REQUIREMENTS and SPECIFICATIONS
TO CONSTRUCT

KA‘AHUMANU HALE
ROOF LEAK MITIGATION
JUDICIARY PROJECT IDENTIFIER: JUD-1JC-26-1-0200
777 PUNCHBOWL ST
HONOLULU, HAWAI‘I 96813
TAX MAP KEY: 2-1-030:003

FOR **THE JUDICIARY**
STATE OF HAWAI‘I

BRANDON M. KIMURA
ADMINISTRATIVE DIRECTOR OF THE COURTS
THE JUDICIARY - STATE OF HAWAI‘I

April, 2026

JUD-CIP-Approved
JRS
04/09/2026

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NOTICE TO BIDDERS

SEALED BIDS (Chapter 103D, HRS) For:

KA‘AHUMANU HALE
ROOF LEAK MITIGATION
JUDICIARY JOB NO. 1JC-26-1-0200

Will be received electronically on the HIePro website at https//hiepro@ehawaii.gov. The solicitation documents, including the Solicitation, Offer and Contract Forms, drawings and specifications may be obtained in electronic format from the HIePro website at https//hiepro@ehawaii.gov.

Submit the Competitive SOLICITATION, OFFER AND CONTRACT FORM up to 12:00 PM, Friday, May 22, 2026.

At that time, bids will be publicly opened. Bids received after the due time and date will not be considered.

The work generally consists of preparation and restoration of the existing low-slope roofing system at Ka‘ahumanu Hale main roof and associated elevator machine room roof areas by means of a fluid-applied membrane roof system. Work shall include removal of loose and deteriorated materials; localized removal and replacement of damaged or moisture-compromised roof membrane and substrate where required; thorough cleaning of the existing roof surface to receive the new system; and installation of a reinforced fluid-applied membrane in accordance with the manufacturer‘s requirements to provide a continuous, fully-adhered, watertight roofing membrane.

Bid Security is required for this project.

The estimated construction cost is between $500,000 - $600,000.

Bidders ARE ENCOURAGED TO ATTEND the pre-bid meeting and the Judiciary conducted site visit. No other time for a site inspection will be scheduled or allowed.

The pre-bid meeting and the accompanying Judiciary-conducted site visit will be held at: KA‘AHUMANU HALE, GROUND FLOOR PLAZA, 777 Punchbowl Street, Honolulu, HI. 98613, **Thursday, April 30, 2026**, at 2:00 PM. *The site visit will immediately follow the meeting.*

Bidders and interested parties are required to sign-in at the meetings to confirm attendance.

The following procedures shall apply:

1. Registration: Bidders attending the Pre-Bid meeting are asked to register via HIePRO or with the Office of Project Management. E-Mail: OPM@courts.hawaii.gov

2. Offerors shall provide the following information during registration:

   - Name of Company;
   - Full name or names of attendees;

3. Entrance to the Facility: Attendees shall furnish current government issued identification with picture (e.g. driver's license, state ID, passport, etc.) and be appropriately attired.

4. No questions will be accepted during the site visit. All questions must to be submitted to: https://hiepro.ehawaii.gov

5. Each bidder shall limit the number of representatives to 3 individuals due to security issues. Each bidder shall bring his or her own flashlight and small tools that may be required to inspect and measure the premises. Knives and similar sharp tools will not be allowed. Bidders and interested parties are required to sign-in at the meetings to confirm attendance.

   The estimated value of this contract is $250,000 or more and the apprenticeship agreement preference pursuant to Hawai'i Revised Statutes §103-55.6 (ACT 17, SLH 2009) shall apply.

   The Hawaii products preference pursuant to ACT 175, SLH 2009 may be applicable for items of this solicitation. Persons wishing to certify and qualify a product not currently listed as a Hawaii Product shall submit a Certification for Hawaii Product Preference (form SPO-38) to: Department of Accounting and General Service, Public Works Division, 1151 Punchbowl Street, Honolulu, Hawai'i, Attn: Jolie Yee. The product shall meet the specifications of this project. The submittal must be received by OPM by **4:30 PM on May 6, 2026**. View the current Hawaii Products List on the State Procurement Office (SPO) website at http://hawaii.gov/spo, click on "For Vendors"; and select "Hawai'i Product Preferences".

   For each product, one form shall be completed and submitted (i.e. 3 products should have 3 separate forms completed). The form is available on the SPO webpage at http://hawaii.gov/spo under the "Forms" menu; click on "SPO-038" to view and complete form SPO-38 online.

   Campaign Contributions by State and County Contractors Prohibited.
   If awarded a contract in response to this solicitation, Offeror agrees to comply with HRS section 11-355, which states that campaign contributions are prohibited from a State and County government contractor during the term of the contract if the contractor is paid with funds appropriated by the legislative body between the execution of the contract through the completion of the contract.

   To be eligible to submit a Bid, the Bidder must possess a valid State of Hawai'i Contractor's license classification: "A" or "B" or "C-31"

Refer to the **GENERAL NOTICE**, published with the project specifications for additional information.

Brandon M Kimura

BRANDON M. KIMURA
ADMINISTRATIVE DIRECTOR OF THE COURTS
The Judiciary - State of Hawai'i

GENERAL NOTICE

TAX CLEARANCE AND HAWAII BUSINESS CERTIFICATES
Refer to Instructions to Bidders for information regarding tax clearance and business certificates.

OTHER INFORMATION
Bid results and the Contract Awards notice will be posted on the HIePRO website at https//hiepro@ehawaii.gov.

Refer to Instructions to Bidders for other conditions and requirements to award a contract.

Any protest shall be submitted to the Administrative Director of the Courts. Bidders shall comply with the GENERAL CONDITIONS Article 2.13 Protests.

SECTION 00210 - INSTRUCTIONS TO BIDDERS

PART 1 - GENERAL

1.01 GENERAL

A. Only bidders with the required Contractor's license(s) are eligible to submit a Bid.

B. Bidders (Contractors) shall be incorporated or organized under the laws of the State or be registered to do business in the State as a separate branch or division that is capable of fully performing under the contract. The following definitions are used in the solicitation documents.

1. Hawaii Business §3-122-112 HAR: A bidder who is registered and incorporated or organized under the laws of the State is a "Hawaii Business" and eligible for an award.

2. Compliant non-Hawaii Business §3-122-112 HAR: A bidder not incorporated or organized under the laws of the State, but is registered to do business in the State and complies with or is exempt from the requirements of §3-122-112 HAR, is a "Compliant Non-Hawaii Business" and eligible for an award.

3. Non-compliant Bidder: If a bidder is a non-Hawaii business and is not registered with the DCCA Business Registration Division (BREG) or cannot comply with §3-122-112 HAR, then the bidder is non-compliant and is ineligible for an award.

C. When announced by the NOTICE TO BIDDERS, all bidders who intend to submit a bid are invited to attend an initial pre-bid meeting and the accompanying site visit(s). Other interested parties may attend the initial pre-bid meeting and the accompanying site visit(s). For other site visits not conducted by the Department, bidders shall contact and make arrangements with the Project Contact Person listed in SECTION 00800 - SPECIAL CONDITIONS of these specifications.

D. Bidders shall submit the "Solicitation, Offer and Contract Form", bid bond (if required), and any other documents required by these solicitation documents.

E. The *GENERAL CONDITIONS* set forth additional terms and conditions for the bid and award process. The *GENERAL CONDITIONS* will be part of the contract documents by which the State and the bidder (prospective Contractor) will be bound. Bidders are directed to the *GENERAL CONDITIONS*, for contract and statutory requirements and for Bidding and Execution of Contract Requirements. Bidders are also directed to SECTION 00700 - GENERAL CONDITIONS and SECTION 00800 - SPECIAL CONDITIONS of these specifications for definitions and modifications to the *GENERAL CONDITIONS.*

F. Project Labor Agreement (PLA) for State Construction Projects

1. ADMINISTRATIVE DIRECTIVE NO. 24-01 (Directive), dated February 16, 2024, requires a PLA (available at https://budget.hawaii.gov/wp-content/uploads/2024/02/AD-24-01.pdf) for all projects with award amounts in excess of one million five hundred thousand dollars ($1,500,000),
2. COMPTROLLER'S MEMORANDUM NO. 2024-20, Guidelines - Project Labor Agreements (PLA) for State Construction Projects, dated July 26, 2024, provided Guidelines for Implementing Administrative Directive No. 24-01 relating to Use of Project Labor Agreements for State Construction Projects, Issued by the Department of Accounting and General Services, Effective July 26, 2024. (https://ags.hawaii.gov/wp-content/uploads/2024/07/CM2024-20.pdf)
3. The definitions of the terms 'Contractor' and "Subcontractor" for the purposes of this solicitation are those contained in the agency's General Terms and Conditions for Construction, not as defined in the PLA.
4. The required form of the Contractor's Agreement To Be Bound may be found in Attachment "A" at the end of this section. Any Letter of Assent shall take the substantial form of the Agreement To Be Bound. A sample Letter of Assent is provided in Attachment "B" at the end of this section.
5. Any subcontractor performing only trade work not represented by PLA signatories shall not be required to submit a Letter of Assent. However, any such subcontractor shall be required to execute and provide to the awarded Contractor a written statement attesting that the subcontractor will be performing only trade work not subject to the PLA, in the form of an Attestation of Exemption executed by a person authorized to bind the subcontractor. The awarded Contractor shall provide any such Attestation of Exemption to the Department upon demand. A sample Attestation of Exemption is provided in the Attachment "C" at the end of this section.
6. The Contractor who is awarded the project must:
    a. Obtain either a Letter of Assent or Attestation of Exemption, as appropriate, from each subcontractor of any tier who may be employed on the project and make copies of such documents available to the Department upon demand.
    b. Execute an Agreement-To-Be-Bound.
    c. Submit to the Department a complete, fully executed Agreement-To-Be-Bound within fourteen (14) calendar days of project award, or as soon thereafter as is practicable as determined by the Department. Failure to timely submit any required Agreement-To-Be-Bound or to provide upon demand any required Letter of Assent or Attestation of Exemption shall be cause for the State in its sole discretion to rescind the subject award and to award the project to: the responsive and responsible offeror with the next lowest bid price for a solicitation made under HRS 103D-302; or the next highest ranked offeror satisfying all solicitation requirements for a solicitation made under HRS 103D-303.
7. By submitting an executed Agreement To Be Bound the Contractor shall be deemed to have certified that all required Letters of Assent and Attestations

of Exemption have been gathered and will be made available to the Judiciary upon demand.

8. Contractors and their subcontractors (of any tier) are not required to be party to any collective bargaining agreement to participate in a Covered Project.
9. The Contractor shall maintain in a current status throughout the life of the contract the Agreement-To-Be-Bound, and all Letters of Assent and Attestations of Exemption from subcontractors of all tiers.
10. It is understood that by virtue of executing an Agreement-To-Be-Bound, a Contractor will not be obligated to sign a collective bargaining agreement as a condition of performing work.
11. The Contractor has the primary obligation to meet all conditions of the PLA. This obligation cannot be relieved, evaded or diminished by subcontracting. Should the Contractor elect to subcontract, the Contractor shall continue to have such primary obligation.
12. The State shall remain impartial concerning any dispute between labor and its Contractor and not undertake the conciliation, mediation, or arbitration of a labor dispute. All labor disputes shall be resolved pursuant to the procedure set forth in the PLA.

1.02 OFFEROR(S) or BIDDER(S)

A. The terms “Offeror” and “Bidder” are synonymous when used in this Section 00210 and other solicitation documents.

1.03 PRE-BID MEETING AND SITE VISIT(S)

A. General
   1. The attendance of pre-bid meeting and site visit is strongly encouraged.
   2. Failure to attend the pre-bid meeting(s) and site visit(s) for a project DOES NOT absolve the bidder from its responsibilities under section 2.4.1 of the Interim General Conditions.
   3. Verbal responses and discussions may occur during the course of the pre-bid meeting or site visit and shall not be considered to alter any information in the solicitation documents (see Section 2.5.1 of the Interim General Conditions).

B. Mandatory Pre-bid Meetings and Site Visits
   1. The Project Coordinator may require all prospective bidder/offerors to attend a mandatory Pre-bid Meeting(s) and Site Visit(s).
   2. All bidders/offerors will be required to sign the attendance sheet.
   3. Failure to attend mandatory pre-bid meetings and site visits, if required, will automatically be cause for rejection of the bid.

1.04 ADDENDA AND CLARIFICATIONS

A. The Judiciary may periodically issue addenda and bid clarifications which may provide additional information or alter the plans and specifications.

B. The Judiciary will make addenda and bid clarifications available to Bidders via the HIePRO system. Bidders are responsible for the information contained in the addenda and bid clarifications whether or not the bidder receives the addenda or clarifications.

C. Bidders discovering an ambiguity, inconsistency, or error when examining the bid documents or the site and bidders with questions or clarification requests shall transmit said discoveries, questions, and/or requests to the Judiciary's Purchasing Specialist, Contracts and Purchasing in writing via the HIePRO system. Bidders may use the form entitled 'Questions and Clarifications' at the end of Section 00800 - SPECIAL CONDITIONS which contains options for physical delivery and transmittal by submitting through HIePRO. Bidders choosing not to use the form provided shall bear the responsibility for clearly labeling their submittal to allow its proper identification and routing and for following the instructions cited above for physical delivery or email transmittal.

D. All written transmittals shall be brief, concise, but complete enough to properly evaluate and determine the merits of the question or request. Include references to appropriate section numbers, paragraphs, drawings, details, schedule numbers, and provide other information as appropriate.

E. Requests transmitted or otherwise communicated directly to the consultant will not be considered to be transmitted to the Judiciary and will not be addressed.

F. Bidders shall submit all discoveries, questions, and/or requests no later than 14 calendar days prior to the submission date for sealed bids.

G. Requests for Substitution will only be entertained prior to bid opening if Section 00800 - SPECIAL CONDITIONS indicates that substitutions before award are allowed for this project. If allowed, requests of this nature must be submitted before the deadline specified for this purpose in the Notice to Bidders.

1.05 SOLICITATION, OFFER AND CONTRACT FORM (BID FORM)

A. Bidder shall fill out the "Solicitation, Offer and Contract Form" completely and submit through HIePRO. This includes the "Offer" portion of the form and all remaining fill-ins. Write in ink or type. Bidders must also comply with the supplemental instructions contained within the "Solicitation, Offer and Contract Form." Do not alter the "Solicitation, Offer and Contract Form", and maintain the form intact. When the State makes changes to the "Solicitation, Offer and Contract Form", a completely new bid form with appropriate addendum notation will be issued. Bidders shall use the most current version. Bidders shall use their exact legal name as registered with the Department of Commerce and Consumer Affairs, if applicable; and to indicate exact legal name in the appropriate space on the Solicitation, Offer and Contract Form.

B. Schedule for Work: Note the provisions of this article, the referenced COST, TIME AND SCHEDULE article, and specification SECTION 01100 - PROJECT REQUIREMENTS for the construction dates including: project schedule, project start date, jobsite start date, jobsite completion date, contract completion date and contract duration, if provided.

C. Allowances: If applicable to this project, bidder shall include in its total lump sum (base) bid price all cash allowances that are itemized in the COST, TIME AND SCHEDULE article on the “Solicitation, Offer and Contract Bid Form” and described in SECTION 01210 - ALLOWANCES of these specifications. Unless otherwise provided in the contract documents, the bidder shall include costs for unloading and handling materials and equipment at the site, labor, installation costs, overhead, profit, coordination, insurance and other incidental expenses in the lump sum bid price and not in the allowance.
   1. For testing and inspection allowances, the allowance costs shall include the cost of engaging testing agencies, actual tests and inspections and reporting results. Allowance does not include incidental labor required to assist the testing agency or costs for retesting if previous tests and inspection result in failure.

D. Variable Quantities Unit Prices: If applicable to this project, bidder shall include in its total lump sum (base) bid price a total cost for Variable Quantities Unit Prices (VQUP) that are described in SECTION 01270 - VARIABLE QUANTITIES UNIT PRICES. Bidder shall complete the VQUP schedule by extending costs for unit prices, subtotals and totals. The unit costs provided shall include all materials, labor, tools and equipment required to install the work complete, in addition to all charges for overhead, coordination, profit, insurance, and other incidental expenses. Bidder shall make sure to enter the variable quantities unit prices total amount in the bid form, COST, TIME AND SCHEDULE article.

E. Alternates: If applicable to this project, bidder shall include its total cost(s) in the COST, TIME AND SCHEDULE article for the alternates that are described on the drawings or in SECTION 01230 - ALTERNATES. Bidder must completely fill in the cost for each listed alternate. Where the respective alternate’s work will be performed at no cost to the State, bidder shall fill in ‘$0.00’ as the cost. **If the cost for any alternate is left blank, the “Solicitation, Offer and Contract Form” will be rejected as an irregular bid.**
   1. For the purposes of evaluating the bid, the alternates are listed in the COST, TIME AND SCHEDULE article and in specification SECTION 01230 - ALTERNATES in the order of precedence from highest (listed first) to lowest for additive alternates and from lowest (listed first) to highest for deductive alternates.

   2. Bidders are directed to the COST, TIME AND SCHEDULE article that lists additional or deductive consecutive calendar days that will be allowed for each accepted alternate.

F. Preference: If applicable to this project, preferences are considered when evaluating bids to determine the ranking of the respective bidders. The award of the contract will be in the amount of the bid exclusive of any preference adjustments.

G. Recycled Product Preference: If applicable to this project, a recycled product preference of at least 5 percent of the price of the item is available. All bidders, either proposing or not proposing to use the recycled product preference shall complete the “Recycled Product Schedule”. If choosing to use a recycled product, enter the respective costs for the recycled product; otherwise, enter the cost for the non-recycled product. Make sure a cost is entered for each listed

product. Each product cost shall be complete, including jobsite delivery and applicable taxes.

1. For each recycled product the bidder chooses to use, the bidder shall include in its bid package the complete "Certification of Recycled Content Form" (SPO-Form 8) along with all supporting information. A sample of the certification form is in the GENERAL CONDITIONS.

2. The "Recycled Product Schedule" shows the percent preference used for each listed recycled product.

H. Apprenticeship Agreement Preference:

1. If applicable to this project, any bidder seeking the preference must be a party to an apprenticeship agreement registered with the State Department of Labor and Industrial Relations (DLIR) at the time the bid is submitted for each apprenticeable trade the bidder will employ to construct the project. "Employ" means the employment of a person in an employer-employee relationship.
   a. The apprenticeship agreement shall be registered with the DLIR and conform to the requirements of Hawaii Revised Statutes Chapter 372.

   b. Subcontractors do not have to be a party to an apprenticeship agreement for the bidder to obtain the preference.

   c. The bidder is not required to have apprentices in its employ at the time the bid is submitted to qualify for the preference.

2. Self Certification. A bidder seeking the preference must identify each apprenticeable trade the bidder will employ to perform the work by completing the self-certification in the solicitation, offer and contract form. "Apprenticeable trade" shall have the same meaning as "apprenticeable occupation" pursuant to Hawaii Administrative Rules (HAR) §12-30-5.

3. The certification of bidder's participation (Form 1)

   a. The *Certification of Bidder's Participation - Form 1* shall be authorized by an apprenticeship sponsor listed on the DLIR list of registered apprenticeship programs. "Sponsor" means an operator of an apprenticeship program and in whose name the program is approved and registered with the DLIR pursuant to HAR §12-30-1.

   b. The authorization shall be an original signature by an authorized official of the apprenticeship sponsor.

   c. The completed *Certification of Bidder's Participation - Form 1* for each trade must be submitted with the bid. A facsimile or copy is acceptable to be submitted with the bid, however the signed original must be submitted within five (5) working days of the bid open date. If the signed original is not received within this timeframe, the preference may be denied. Previous certifications shall not apply.

   d. When filling out the *Certification of Bidder's Participation - Form 1*, the name of Apprenticeable Trade and Apprenticeship Sponsor must be the

same as recorded in the List of Construction Trades in Registered Apprenticeship Programs that is posted on the State Department of Labor and Industrial Relations website. "Registered apprenticeship program" means a construction trade program approved by and registered with the DLIR pursuant to HAR §12-30-1 and §12-30-4.

e. The *Certification of Bidder's Participation - Form 1* and the List of Construction Trades in Registered Apprenticeship Programs is available on the DLIR website at: http://labor.hawaii.gov/wdd/files/2012/12/Form-1-Certification-of-Bidders-Participation.pdf

4. Upon receiving the Self Certification and *Certification of Bidder's Participation - Form 1*, the Procurement Officer will verify that the apprenticeship program is on the List of Construction Trades in Registered Apprenticeship Programs and that the form is signed by an authorized official of the Apprenticeship Program Sponsor. If the programs and signature are not confirmed by the DLIR, the bidder will not qualify for the preference.

5. If the bidder is certified to participate in an apprenticeship program for each trade which will be employed by the bidder for the project, a preference will be applied to decrease the bidder's bid amount by five (5) percent for evaluation purposes.

6. Should the bidder qualify for other preferences (for example, Hawaii Products), all applicable preferences shall be applied to the bid price.

I. Other Conditions: Bidder acknowledges and agrees to the provisions and certifications stated in this article.

J. Receipt of Addenda: Bidder shall fill in the appropriate dates any addenda were received.

K. Listing Joint Contractors or Subcontractors:
1. Bidder shall complete the "Joint Contractors or Subcontractors List". It is the sole responsibility of the bidder to review the requirements of this project and determine the appropriate specialty Contractor's licenses that are required to complete the project. Failure of the bidder to provide the correct names and specialty Contractor's nature of work to be performed may cause the bid to be rejected.

2. Bidder agrees the completed listing of joint Contractors or Subcontractors is required for the project and that the bidder, together with the listed joint Contractors and Subcontractors, have all the specialty Contractor's licenses to complete the work.

3. Based on the Hawaii Supreme Courts January 28, 2002 decision in Okada Trucking Co., Ltd. v. Board of Water Supply, et al., 97 Hawaii 450 (2002), the bidder as a general Contractor ('A' or 'B' license) is prohibited from undertaking any work solely or as part of a larger project, which would require the bidder ('A' or 'B' general Contractor) to act as a specialty ('C' license) Contractor in any area in which the bidder ('A' or 'B' general Contractor) has no specialty Contractor's license. Although the 'A' and 'B' Contractor may still

bid on and act as the "Prime Contractor" on an 'A' or 'B' project (*See, HRS §444-7 for the definitions of an "A" and "B" project*), respectively, the 'A' and 'B' Contractor may only perform work in the areas in which they have the appropriate Contractor's license. The bidder ('A' or 'B' general Contractor) must have the appropriate 'C' specialty Contractor's licenses either obtained on its own or obtained automatically under HAR §16-77-32.

4. General Engineering 'A' Contractors automatically have these 'C' specialty Contractor's licenses: C-3, C-9, C-10, C-17, C-24, C-31a, C-32, C-35, C-37a, C-37b, C-38, C-43, C-49, C-56, C-57a, C-57b, and C-61.

5. General Building 'B' Contractors automatically have these 'C' specialty Contractor's licenses: C-5, C-6, C-10, C-12, C-24, C-25, C-31a, C-32a, C-42a, and C-42b.

6. Instructions to complete the Joint Contractors or Subcontractors List:
   a. Describe the specialty Contractor's nature of work to be performed for this project and provide the complete firm name of the joint Contractor or Subcontractor in the respective columns.

   b. List only one entity per required specialty contractor's classification. A bidder who intends to use more than one entity with the same specialty contractor's classification, will not be permitted to do so unless the nature of work to be performed by each entity is both distinct and separate and is appropriately described (i.e. two C-13 contractors are listed but one has the responsibility for AC control and the other for AC power). A bidder who intends to perform work that falls under the same specialty contractor's classification as that of a listed joint contractor or subcontractor must list itself, ensure that the nature of work is both distinct and separate, and is appropriately described.

   c. For projects with alternate(s), fill out the respective "Joint Contractors or Subcontractors List for the Alternate(s)". Bidder shall describe the specialty Contractor's nature of work to be performed on this project for the respective alternate. Bidders shall fill in the complete firm name and nature of work to be performed by the respective joint Contractor or Subcontractor. If the joint Contractor or Subcontractor was previously listed under base bid, listing under Alternate(s) is not required.

L. Cost, Time and Schedule: Bidder shall completely fill out the article and enter the cost for the Project Bid Price, Variable Quantities Unit Prices and Alternates when provided. Bidder shall tabulate the Project Bid Price, Variable Quantities Unit Prices and Allowances when provided, and the Bidders shall then enter the Total Lump Sum Bid Price. **BE SURE TO ENTER THE TOTAL LUMP SUM BID PRICE IN WORDS AND NUMERALS**. Refer to Bidder's Instructions located within the article.
   1. If provided, bidder shall fill in total costs for each alternate.

   2. The bidder is directed to the construction time information Article entitled "TIME" for the contract duration and construction time for alternates. Bidder shall refer to SECTION 01100 - PROJECT REQUIREMENTS of these specifications for additional construction time information, as applicable.

M. Offer Page: Bidder shall completely fill out Blocks 11 through 22C. Bidder shall indicate if it is a “Hawaii Business” or a “Compliant Non-Hawaii Business” in Block 21. Also, bidder shall refer to Bidder’s Instructions located near end of section.

1.06 BID SECURITY

A. Bid security is required for bids procured as Invitation for Bid (IFB) Large Purchase.
   1. Bidder shall refer to SECTION 00410 or 00411, SOLICITATION, OFFER AND CONTRACT FORM, 10. ADDITIONAL SOLICITATION REQUIREMENTS, B. Bid Security for applicable requirement.

   2. Bid security submittal shall be as follows:
      a. Photocopy of the bid security shall be submitted with the bid documents in HIePRO.

      b. Original bid security shall be submitted via US Postal Service and BE POSTMARKED BY THE DATE AND TIME BIDS ARE DUE and be addressed to:

Financial Services Department
1111 Alakea Street, 6th Floor
Honolulu, Hawaii 96813
Attn: Luzviminda Abad

      c. Offeror bears the whole and exclusive responsibility assuring the bid security is received by the purchasing agency. Bid submittals and original bid security postmarked after the date and time bids are due will not be considered.

1.07 EVALUATION CRITERIA

A. Evaluating Bids: The lowest responsive, responsible bid is determined by the following procedures:
   1. Chapter 103D, HRS, which provides for the preferences, shall apply.

   2. The total lump sum bid price is adjusted to reflect the applicable preferences.
      a. For projects with alternates, the total lump sum base bid price and alternates will be adjusted to reflect the applicable preferences.

   3. Project control budget is established prior to the submission of bids.

   4. If there is more than one alternate for a project, the State will determine the precedence of the alternates for each project prior to the submission of bids.

   5. The project will be evaluated based on the adjusted bid price.

B. Evaluating Bids with Additive Alternates:
   1. Prior to opening bids, the State will announce the project control budget. All bids will be evaluated on the basis of the same alternate item.

   2. After adjusting for applicable preferences, the alternates, in their precedence order, are added to the total lump sum base bid price. This (these) sum(s) are compared to the project control budget and must be within the project

control budget.

3. If adding another alternate would make the aggregate amount exceed the project control budget for all bidders, that alternate will be skipped and the next alternate will be added, provided an award might be made within the project control budget. This procedure will continue, until adding any remaining alternates will result in the aggregate total amount for all the bidders to exceed the project control budget, or until no additional alternates remain.

4. The bidder with the lowest aggregate amount, within the project control budget (after application of the various preferences), for the total lump sum base bid plus the alternates in their precedence order, is the "Low Bidder" for that project and is designated for award.

5. Additive Alternate Example: The project control budget available is $100,000. In the order of precedence, alternates A-1, A-2 and A-3 are additive alternates. After applying the preferences, the bids are ranked lowest price to highest price and are "Bid A", "Bid B" and "Bid C". Bid A's total lump sum base bid price and three additive alternates (in the precedence order) are $80,000, $16,000, $10,000 and $5,000 respectively. Bid B's total lump sum base bid price and three additive alternates (in the precedence order) are $82,000, $10,000, $9,000 and $3,000 respectively. Bid C's total lump sum base bid price and three additive alternates (in the precedence order) are $85,000, $10,000, $8,000 and $4,000 respectively.
   a. In adding the alternates to the bids, alternate A-1 is under the project control budget for all bids. The second alternate A-2 is initially skipped since it would cause the aggregate amount of all bids to exceed $100,000. The third alternate A-3 is added and the aggregate amounts, including base bid price plus alternates A-1 and A-3, of both Bid B and Bid C, are under the project control budget.

   b. Bid A's aggregate total is $101,000. Bid B's aggregate total is $95,000. Bid C's aggregate total is $99,000.

   c. Bid B's price including alternates A-1 and A-3 is the lowest bid price (over Bid C) and has an aggregate amount within the adjusted project control budget, and therefore is designated the "Low Bidder" for the project.

6. Should the Lump Sum Base Bid of all bidders exceed the project control budget, the bidder with the lowest total lump sum base bid after application of the preferences is designated the low bidder for the project.

7. Should the Lump Sum Base Bid including all deductive alternates of all bidders exceed the project control budget, then the bidder with the lowest total Lump Sum Base Bid, minus deductive alternates after application of the preferences is designated the Low Bidder for the project.

1.08 METHOD OF AWARD

A. The contract will be awarded to the lowest responsive and responsible Bidder whose bid (including any alternates which may be selected) meets the requirements and criteria set forth in the solicitation documents and as determined by the Administrative Director of the Courts.

B. In the event the total lump sum bid for bids without alternates or with additive alternates of all bidders exceeds the project control budget, the Judiciary reserves the right to make an award to the apparent Low Bidder if additional funds are available or by reducing the scope of work through negotiation.

C. In the event the total lump sum bid minus all the deductive alternates of all bidders exceeds the project control budget, the Judiciary reserves the right to make an award to the apparent Low Bidder if additional funds are available or by reducing the scope of work through negotiation.

D. Additional Requirements for Bids with Alternates: After determining the designated Low Bidder for the project, an award may be made on the amount of the Low Bidder's total lump sum base bid alone or on any combination of alternates exclusive of any preferences. The combination of alternates may include substituting any of the alternates that were included in the designated Low Bidder's aggregate price with an alternate that was not included, provided:
   1. It is in the best interest of the State,

   2. Funds are available at the time of award, and

   3. The combination of the total lump sum base bid plus alternate(s) does not change the established Low Bidder for the project.

1.09 OTHER CONDITIONS FOR AWARD

A. The Administrative Director of the Courts may reject any or all bids and waive any defects if the Administrative Director believes the rejection or waiver is in the best interest of the State.

B. The award of the contract is conditioned upon funds made available for the project (or projects if applicable).

C. Any agreement or contract is subject to approval by the Department of the Attorney General, and the approval of the Governor, as required by statute, regulation, rule, order, or other directive.

1.10 RESPONSIBILITY OF AWARDED BIDDER

A. Pursuant to Section 103D-310(c), HRS, the responsive bidder recommended for contract award, if any, shall be compliant with all laws governing entities doing business in the State including the following chapters:
   1. Chapter 237, tax clearance;

   2. Chapter 383, unemployment insurance;

   3. Chapter 386, workers' compensation;

   4. Chapter 392, temporary disability insurance;

   5. Chapter 393, prepaid health care; and

   6. Chapter 103D-310(c), Certificate of Good Standing (COGS) for entities doing business in the State

B. The State will verify compliance on Hawaii Compliance Express (HCE). The HCE is an electronic system that allows vendors/contractors/service providers doing business with the State to quickly and easily obtain proof that they are compliant with applicable laws. The HCE certificate, 'Certificate of Vendor Compliance', allows this single printable electronic certificate to be substituted for the tax clearance, labor certificate, and a Certificate of Good Standing required in Hawaii Revised Statutes (HRS), Section 103D-310(c), and Hawaii Administrative Rules (HAR), Section 3-122-112. The HCE provides compliance status in real time.

C. Bidders are advised to register with Hawaii Compliance Express at https://vendors.ehawaii.gov before submitting an offer. Bidders are strongly encouraged to submit a 'Certificate of Vendor Compliance' with their bid package to ensure the State's ability to quickly verify compliance at the time of award. If an offeror is not compliant at the time of award, an otherwise responsive and responsible offeror may not receive the award.

PART 2 - PRODUCTS (Not Used)

PART 3 – EXECUTION (Not Used)

END OF SECTION

SOLICITATION, OFFER AND CONTRACT FORM

1. JUD Project Identifier: JUD-FM 1JC-26-1-0200	2. TYPE OF SOLICITATION HIePRO (IFB)	3. PAGE OF PAGES 1 of 11

IMPORTANT - The "offer" section must be fully completed by offeror.

NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid" and "bidder."

4. ISSUED BY:	5. ADDRESS OFFER TO:
THE JUDICIARY – STATE OF HAWAIʻI CONTRACTS AND PURCHASING 6TH FLOOR KAUIKEAOULI HALE 1111 ALAKEA STREET HONOLULU, HAWAI'I 96813	HIePRO

6. FOR INFORMATION	A. NAME	B. TELEPHONE NO. *(NO COLLECT CALLS*)
	KAILI SOON, JUDICIARY kaili.b.soon@courts.hawaii.gov	(808) 539-4005

SOLICITATION

7. THE STATE OF HAWAII REQUIRES PERFORMANCE OF THE WORK DESCRIBED IN THESE DOCUMENTS TO CONSTRUCT:

KAʻAHUMANU HALE
ROOF LEAK MITIGATION
777 PUNCHBOWL ST
HONOLULU, OAHU, HAWAII 96813
TMK: 2-1-030:003

After carefully examining the bid documents including the specifications, drawings, addenda, and other proposed contract documents, the bidder shall furnish all labor, materials, machinery, tools, superintendence, transportation, and other construction accessories, services, and facilities necessary to construct and complete, at its own risk and expense, the work and requirements of the Project for the cost and time stipulated in the COST, TIME AND SCHEDULE article of Attachment A of the Form. The bidder agrees to the conditions and requirements stipulated in this SOLICITATION, OFFER AND CONTRACT FORM and any attachments thereto.

8. The Contractor shall complete the work as stipulated in the COST, TIME AND SCHEDULE article of Attachment A. This performance period is mandatory.

9. THE CONTRACTOR MUST FURNISH ANY REQUIRED PERFORMANCE AND PAYMENT BONDS WITHIN 10 CONSECUTIVE CALENDAR DAYS AFTER DATE OF THE LETTER OFAWARD. IF ALTERNATE FORMS OF SECURITY WILL BE SUBMITTED, REFER TO STATE OF HAWAII, GENERAL CONDITIONS 3.7.1.3. INCORPORATED HEREIN BY REFERENCE.

10. ADDITIONAL SOLICITATION REQUIREMENTS:

A. Sealed bids/offers to perform the work required are due at the place specified in Block 5, by the date and time specified in the Notice to Bidders. If this is a sealed bid solicitation, offers will be publicly opened at that time. Offers must be submitted in sealed envelopes that shall be marked to show the offeror's name and address, the JUDICIARY Job number, and the date and time offers are due.

B. Bid Security is required and must be submitted with the offer if the offer amount is $25,000 or more.

C. Apprenticeship Agreement Preference – Any offeror seeking the apprenticeship agreement preference must complete the self certification form and the DLIR Certification of Bidder's Participation - Form 1.

D. Listing of Joint Contractors and Subcontractors – Any offeror must submit with its offer, the name of each person or firm to be engaged by the offeror as a joint contractor or subcontractor in the performance of the contract and the nature and scope of the work to be performed by each. The offeror is directed to complete the joint contractors and subcontractors list form included in the solicitation and submit it with the offer.

E. The Offeror be registered and compliant with Hawaii Compliance Express, link found at http://vendors.ehawaii.gov/hce/splash/welcome.html.

F. All offers are subject to the requirements of the solicitation, including the Specifications, Notice to Bidders, Instruction to Bidders, General Conditions, and Drawings, any Special Conditions, Addenda, Bid Clarifications, and any other provision whether incorporated in full text or by reference in, or attached to, the solicitation.

G. Contractors are hereby notified of the applicability of Section 11-355 HRS, which states that campaign contributions are prohibited from specified State or county government contractors during the term of the contract if the contractors are paid with funds appropriated by a legislative body.

H. Recycled Product Preference – Certain recycled products are not acceptable for use in this project. Any offeror proposing to use the recycled product preference must complete the recycled product preference schedule form in the solicitation and submit it with the offer.

OFFER ***(Must be fully completed by offeror)***	
11. NAME AND ADDRESS OF OFFEROR *(Include Zip Code) (*1)*	12. REMITTANCE ADDRESS *(Include only if different than item 11)*
13. TELEPHONE NO. *(Include area code)* FAX NO.	14. EMAIL ADDRESS
15. FEDERAL EMPLOYER ID # (FEIN)	16. HAWAII GENERAL EXCISE ID #
17. BUSINESS ORGANIZATION (*2)	18. CONTRACTOR'S LICENSE NO.
19. The offeror agrees to perform the work required at the price(s) specified in the COST, TIME AND SCHEDULE article of Attachment A in strict accordance with the terms of this solicitation, including any attachments thereto, if this offer is accepted by the State of Hawaii within 60 calendar days after the date offers are due.	
20. The offeror has completed Attachment A.	
21. COMPLIANCE WITH §3-122-112 (HAR) *{BIDDER'S INSTRUCTIONS: Mark one box only. If a Non-Hawaii Business, write your State's name where incorporated.}* The undersigned represents: ☐ A Hawaii Business incorporated or organized under the laws of the State of Hawaii. or ☐ A Compliant Non-Hawaii Business not incorporated or organized under the laws of the State of Hawaii, but registered at the State of Hawaii, Department of Commerce and Consumer Affairs, Business Registration Division to do business in the State of Hawaii. State of incorporation: _____	
22A. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER *(Type or print)*	
22B. SIGNATURE: I declare under penalty of law that the foregoing is true and correct to the best of my knowledge. (*3)	22C. DATE:

BIDDERS INSTRUCTIONS AND SOLICITATION, OFFER AND CONTRACT FORM FOOTNOTES (footnotes relate to boxes 11, 17 & 22B)

*(*1) If the Offeror is a "dba" of a sole proprietor, furnish the exact legal name as registered with the Department of Commerce and Consumer Affairs.*

If Offeror is a "dba" or a "division" of a corporation, furnish the exact legal name of the corporation under which the awarded contract will be executed.

The address included in this box will be used for correspondence.

*(*2) For Business Organization, enter one of the following: Sole Proprietor, Partnership, Corporation, Joint Venture, or Other.*

*(*3) MANUAL SIGNATURE REQUIRED: attach to this page evidence of the authority of this signatory to submit bids on behalf of the Offer, and also the names and residence addresses of all officers of the company.*

Fill in information in all blank spaces or the bid may be invalidated. SOLICITATION, OFFER AND CONTRACT FORM MUST BE INTACT; MISSING PAGES OR ANY ALTERATIONS MAY INVALIDATE THE BID. TYPE OR WRITE ALL INFORMATION IN INK. USE INK FOR MANUAL SIGNATURE.

CONTRACT *(To be completed by State of Hawaii)*	
23. CONTRACT NO.	23A. CONTRACT DATE:
24. ITEMS ACCEPTED:	
25. AMOUNT:	27. PAYMENT WILL BE MADE BY: (The Judiciary – State of Hawaii) By _____ Signature _____ Print Name _____ Title
26. SUBMIT INVOICES TO ADDRESS SHOWN IN BLOCK 4 UNLESS DIFFERENT ADDRESS STIPULATED HERE *(7 copies unless otherwise specified)*	
JUDUCIARY WILL COMPLETE ITEM 28 OR 29 AS APPLICABLE	
☐ 28. NEGOTIATED AGREEMENT *(Contractor is required to sign this document and return _____ copies to issuing office.)* Contractor agrees to furnish and deliver all items or perform all work for the consideration slated in this contract. The rights and obligations of the parties to this contract shall be governed by (a) this contract award, (b) the solicitation, and (c) any document incorporated by reference in or attached to this contract.	☐ 29. AWARD *(Contractor is not required to sign this document.)* Your offer on this solicitation is hereby accepted as to the items listed in Block 24. This award consummates the contract, which consists of (a) the State of Hawaii solicitation and your offer, and (b) this contract award. No further contractual document is necessary.
28A. NAME AND TITLE OF CONTRACTOR OR PERSON AUTHORIZED TO SIGN *(Type or print)*	29A. NAME OF ADMINISTRATIVE DIRECTOR OF THE COURTS *(Type or print)*
28B. SIGNATURE: I declare under penalty of law that the foregoing is true and correct to the best of my knowledge.	29B. THE JUDICIARY - STATE OF HAWAI'I By:
28C. DATE	29C. DATE

ATTACHMENT A

A. COST, TIME AND SCHEDULE

KA‘AHUMANU HALE
ROOF LEAK MITIGATION
JUD-No: 1JC-26-1-0200

1. COST:

TOTAL LUMP SUM BASE BID PRICE $ _____

_____ DOLLARS

{BIDDER’S INSTRUCTIONS: Fill in the total lump sum base bid price in numbers and write out the total lump sum base bid price in words.}

2. TIME:

See SECTION 01100 - PROJECT REQUIREMENTS for additional time and duration requirements.

Contract Duration 180 Days

3. SCHEDULE FOR WORK

Contractor shall commence and complete all work within the contract duration stipulated and as follows:

a. After the project is awarded, the contractor shall begin preparatory work, obtain approvals, permits, process submittals or conduct other work as directed. The contractor shall not start any work at the jobsite or order any materials, unless the Contracting Officer specifically issues a written authorization to proceed with designated work.

b. Upon receipt of the executed contract and a written authorization from the Judiciary, Financial Services Director, the contractor may proceed with ordering materials, doing offsite fabrication and similar work, approved by the Judiciary, prior to issuance of the formal Notice to Proceed. The Contractor shall not start any work at the jobsite before the formal Notice to Proceed is issued, unless the Judiciary, Financial Services Director, specifically issues a written authorization to proceed with designated work. Payment for materials ordered and received prior to the Judiciary issuance of the formal Notice to Proceed are subject to the following conditions:
   1. The contractor is responsible for all storage costs incurred. No additional compensation will be made;
   2. Ordering materials prior to the formal Notice to Proceed will not decrease or increase the specified contract time; and

3. Conditions as specified in the DAGS 1999 INTERIM GENERAL CONDITIONS, and other conditions required by the contract documents.

c. After issuance of the formal Notice to Proceed or upon written authorization from the Judiciary, Financial Services Director, to proceed with designated work, the contractor shall order approved materials, do off-site fabrication and similar work. The contractor shall start and complete the jobsite work per the dates, times and durations noted in the COST, TIME AND SCHEDULE article.

B. BID SECURITY

M*ark the applicable box. State in words and numerals the Bid Bond dollar amount. See the Bidder's Instructions at the end of this section for additional information.*

Enclosed with this BID FORM:

- ☐ Surety Bond *(*4)*
- ☐ Cashier's Check *(*6)*
- ☐ Certified Check *(*6)*
- ☐ Share Certificate *(*6)*
- ☐ Treasurer's Check *(*6)*
- ☐ Legal Tender *(*5)*
- ☐ Certificate of Deposit *(*6)*
- ☐ Official Check *(*6)*
- ☐ Teller's Check *(*6)*

{BIDDER'S INSTRUCTIONS: * See below for footnotes.

*(*4) Surety bond underwritten by a company licensed to issue bonds in this State (Note: Surety bond shall be substantially in the form of the sample in the Appendix to the Interim General Conditions);*

*(*5) Legal tender; or*

*(*6) A certificate of deposit; share certificate; or cashier's, treasurer's, teller's, or official check drawn by, or a certified check accepted by, and payable on demand to the "Circuit Court of the First Circuit" by a bank, a savings institution, or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration.*

a. These instruments may be utilized only to a maximum of $100,000.

b. If the required security or bond amount totals over $100,000, more than one instrument not exceeding $100,000 each and issued by different financial institutions shall be accepted.}

In the amount of:

_____ DOLLARS ($_____)

(Bid Security shall be no less than 5% of the total lump sum base bid amount including alternates) as required by law.

C. RECEIPT OF ADDENDA AND BID CLARIFICATIONS

Bidder acknowledges receipt of the following Addenda and Bid Clarifications issued by the Department, and the bidder shall indicate by marking each applicable box:

- ☐ Addendum No. 1
- ☐ Addendum No. 2
- ☐ Addendum No. 3
- ☐ Addendum No. 4
- ☐ Addendum No. 5
- ☐ Bid Clarification No. 1
- ☐ Bid Clarification No. 2
- ☐ Bid Clarification No. 3
- ☐ Bid Clarification No. 4
- ☐ Bid Clarification No. 5

D. PREFERENCE

Bidder agrees that:

1. Preferences are considered in the evaluation of bids; however, the award of the contract will be in the amount of the bid offered exclusive of any preferences.

2. If granted recycled product preference and awarded the contract, the Contractor must use the designated products in the work; otherwise, the Contractor may be in default of the contract.

3. If granted the Apprenticeship Agreement Preference and awarded the contract, the Contractor must, for the duration of the contract, certify each month that work is being conducted on the project, that it continues to be a participant in the relevant apprenticeship program for each trade it employs.

APPRENTICESHIP AGREEMENT PREFERENCE

The estimated value of the public works contract is $250,000 or more and the apprenticeship agreement preference pursuant to Hawaii Revised Statutes §103-55.6 (Act 17, SLH 2009) shall apply. Complete self certification form below

IMPORTANT: THIS SECTION MUST BE COMPLETED BY ALL BIDDERS REQUESTING THE APPRENTICESHIP PROGRAM PREFERENCE.

By submission of this offer, the Bidder certifies that it has indicated all apprenticeable trades it will employ for this project (excluding subcontractors) by checking all applicable boxes below:

- ☐ Bricklayer/Mason
- ☐ Carpenter
- ☐ Cement Finisher
- ☐ Construction Craft Laborer
- ☐ Construction Equip Operator
- ☐ Drywall
- ☐ Electrician
- ☐ Elevator Constructor
- ☐ Fire Sprinkler Fitter
- ☐ Floor Layer
- ☐ Glazier
- ☐ Heat & Frost Asbestos Insulator
- ☐ Heavy Duty Repairman/Welder
- ☐ Ironworker
- ☐ Painter
- ☐ Paving Equip Operator
- ☐ Plasterer
- ☐ Plumber
- ☐ Pointer/Caulker/Weatherproofer

- ☐ Refrig/AC
- ☐ Roofer
- ☐ Sheet Metal Worker
- ☐ Steamfitter/Welder
- ☐ Stone Mason
- ☐ Taper
- ☐ Telecommunication/CATV
- ☐ Tile Setter Installer Technician
- ☐ Truck Operator

The Contractor **must** submit a complete, valid Form1 for each apprencticeable trade indicated above to qualify for the preference.

E. OTHER CONDITIONS

1. Bidder agrees to pay liquidated damages as specified in SECTION 00800 - SPECIAL CONDITIONS.

2. Bidder declares that its firm was not assisted or represented by an individual who has, in a State capacity, been involved in this project or this proposed contract in the past two consecutive years.

3. **Anti-collusion Certification** - In accordance with §3-122-192 (HAR), the bidder declares that the price submitted for this bid is independently arrived at without collusion.

4. **Certification for Safety and Health Programs for Offers in excess of $100,000** - In accordance with HRS 396-18, the bidder certifies that its organization will have a written safety and health plan for this project that will be available and implemented by the date when onsite construction starts. Bidder may obtain the requirements for the safety plan from the Department of Labor and Industrial Relations, Occupational, Safety and Health Division (HIOSH).

5. **Labor and Wage Certification** (Chapter 104 HRS) - For projects in excess of $2,000, the bidder shall comply with the requirements of Chapter 104 HRS, "Wages and Hours of Employment on Public Works Construction Projects" and shall certify that:
   a. Individuals engaged in the performance of the contract on the job site shall not be paid less than wages the Director of Labor and Industrial Relations determines to be prevailing for corresponding classes of laborers and mechanics employed on public works projects, including any periodic adjustments to the prevailing wages during the performance of the contract; and

   b. Overtime compensation shall be at one and one-half times the basic hourly rate plus fringe benefits for hours worked on Saturday, Sunday, or legal holiday of the State or in excess of eight hours on any other day; and

   c. All applicable laws of the federal and state governments relating to workers' compensation, unemployment compensation, payment of wages, and safety shall be fully complied with

6. Upon the acceptance of the bid by the Procurement Officer, the bidder must enter into and execute a contract and furnish a performance and payment bond. These bonds shall conform to the provisions of HRS Sections 103D-324 and 325, and any law applicable thereto.

7. **Compliance with §103D-310 HRS**: Bidder shall be incorporated or organized under the laws of the State or registered to do business in the State as a separate branch or division that is capable of fully performing under the contract.

F. LISTING JOINT CONTRACTORS OR SUBCONTRACTORS (HRS, 103D-302)

It is the sole responsibility of the bidder to review the requirements of this project and determine the appropriate specialty contractor's licenses that are required to complete the project. The bidder acknowledges that as a general contractor ('A' or 'B' license) the bidder is prohibited from undertaking any work solely or as part of a larger project, which would require the bidder ('A' or 'B' general contractor) to act as a specialty ('C' license) contractor in any area in which the bidder ('A' or 'B' general contractor) has no specialty contractor's license. The bidder ('A' or 'B' general contractor) must have the appropriate 'C' specialty contractor's licenses either obtained on its own,or obtained automatically under HAR §16-77-32.

General Engineering 'A' Contractors automatically have these 'C' specialty contractor's licenses: C-3, C-9, C-10, C-17, C-24, C-31a, C-32, C-35, C-37a, C-37b, C-38, C-43, C-49, C-56, C- 57a, C-57b, and C-61.

General Building 'B' Contractors automatically have these 'C' specialty contractor's licenses: C-5, C-6, C-10, C-12, C-24, C-25, C-31a, C-32a, C-42a, and C-42b.

Bidder agrees the completed listing of joint contractors or subcontractors is required for the project and that the bidder, together with the listed joint contractors and subcontractors, have all the specialty contractor's licenses to complete the work.

Joint Contractors or Subcontractors List

{BIDDER'S INSTRUCTIONS: Refer to SECTION 00210 - INSTRUCTIONS TO BIDDERS for detailed instruction to fill out this list. Write in the complete firm name and nature of work to be performed by the required joint contractor or subcontractor.}

COMPLETE FIRM NAME JOINT CONTRACTOR OR SUBCONTACTOR	NATURE OF WORK TO BE PERFORMED

COMPLETE FIRM NAME JOINT CONTRACTOR OR SUBCONTACTOR	NATURE OF WORK TO BE PERFORMED

G. LIQUIDATED DAMAGES

Liquidated damages in the sum stated in the Special Conditions will be deducted from the Contractor's final payment if the work is not completed within the time specified in this solicitation and any time extensions granted in writing to the Contractor by the State.

H. COMPENSATION

All payments shall be made in the manner and at the times indicated in the Contract Documents.

It is understood and agreed that the compensation paid by the Judiciary to the Contractor shall include all expenses incurred by the Contractor for all loss or damage arising out of the nature of the work, from the action of the elements, or from any delay or unforeseen obstruction or difficulty encountered in the prosecution of the work; for all risks of every description connected with the work; and for all expenses incurred by or in consequence of the suspension or discontinuation of the work, except as set forth in the General Conditions.

It is further agreed by the parties that any portion of the Contract price payable to the Contractor out of federal funds shall be paid to the Contractor only when such federal funds are received, and this contract shall not be construed as binding the State to pay said portion out of any fund other than those which are received from the Federal government.

I. GUARANTY OF WORK

The Contractor agrees to guaranty all work under this Contract for the period(s) stipulated in the Contract Documents from the project acceptance date.

If any unsatisfactory condition or damage develops within the time of this guaranty due to materials or workmanship that are deficient, inferior, or not in accordance with the contract, the Contractor shall, when notified by the State, immediately place such guaranteed work in a condition satisfactory to the State and make repairs of all damage to the buildings, equipment and grounds made necessary in fulfillment of the guaranty. Everything necessary for the fulfillment of any guaranty shall be done without any expense to the State. It is understood that the performance and payment bond furnished by the Contractor under this Contract may be used to secure performance of Contractor's guaranty.

J. CONTRACT DOCUMENTS

It is understood and agreed that the following documents, and any amendments or addenda thereto, comprise this contract and are fully a part of this Contract as though attached hereto or set forth at length herein: (1) Contractor's accepted proposal; (2) General Conditions; (3) Drawings; (4) Specifications, including the Notice to Bidders, Instructions to Bidders, and Special Conditions, Addenda, Bid Clarifications, if any; (5) Performance Bond; (6) Labor and Material Payment Bond; and (7) this Contract Agreement.

K. ENTIRE AGREEMENT

This Contract is the entire agreement between parties, and no alterations, changes, or additions thereto shall be made, except in writing approved by the parties.

P. ATTACHMENTS TO BE PROVIDED BY OFFER <u>AS APPLICABLE</u>

☐ Corporate Resolution
☐ Certificate of Vendor Compliance (HCE)
☐ Surety Bid Bond
☐ Power of Attorney

END OF SECTION

SECTION 00700 - GENERAL CONDITIONS

PART 1 - GENERAL

1.01 GENERAL CONDITIONS

A. The publication by the Public Works Division, Department of Accounting and General Services, State of Hawaii, titled "INTERIM GENERAL CONDITIONS 1999 Edition," known as the "GENERAL CONDITIONS", forms part of the State of Hawaii Contract between the Contractor and the State of Hawaii. The GENERAL CONDITIONS are not physically included with these specifications, but are included by reference. Copies of the GENERAL CONDITIONS may be obtained from the Department of Accounting and General Services, Public Works Division, Oahu Office, State of Hawaii, fourth floor of the Kalanimoku Building, Room 422, 1151 Punchbowl Street, Honolulu, Hawaii or at the DAGS District Offices on Kauai, Maui and Hawaii.

B. The GENERAL CONDITIONS and SECTION 00800 - SPECIAL CONDITIONS shall govern the Work specified in all DIVISIONS and SECTIONS.

C. Wherever the term 'Interim General Conditions' appears in the Contract Documents, it shall be replaced with the term "GENERAL CONDITIONS."

1.02 REVISIONS TO THE GENERAL CONDITIONS - The following changes shall govern over the respective items in the published "INTERIM GENERAL CONDITIONS, 1999 Edition."

A. Under ARTICLE 1 - DEFINITIONS, replace existing sections (1.5, 1.9, 1.11, 1.12, 1.24, 1.37, 1.43, 1.44, 1.49 and 1.50 respectively) and add new sections (1.65 through 1.75 respectively):

"**1.5 ADVERTISEMENT** - A public announcement soliciting bids or offers.

1.9 BID - See Offer.

1.11 BIDDER - See Offeror.

1.12 BIDDING DOCUMENTS (or SOLICITATION DOCUMENTS) - The advertisement solicitation notice and instructions, Offer requirements, Offer forms, and the proposed contract documents including all addenda, and clarifications issued prior to receipt of the Offer.

1.24 CONTRACT TIME (or CONTRACT DURATION) - The number of calendar (or working) days provided for completion of the contract, inclusive of authorized time extensions. The number of days shall begin running on the effective date in the Notice to Proceed. If in lieu of providing a number of calendar (or working) days, the contract requires completion by a certain date, the work shall be completed by that date.

1.37 INSPECTOR - The person assigned by the Contracting Officer to inspect and monitor construction operations.

1.43 NOTICE TO CONTRACTORS - See Solicitation.

1.44 NOTICE TO PROCEED - A written notice from the Department to the Contractor establishing the applicable Contract Duration, Project Start Date, Jobsite Start Date, Jobsite Completion Date, and Contract Completion Date.

1.49 PROPOSAL (Bid) - See Offer (or Bid).

1.50 PROPOSAL FORM - See Offer Form (or Bid Form).

1.65 CONTRACTING OFFICER – See Engineer.

1.66 JOBSITE START DATE - The date when on-site construction may start.

1.67 JOBSITE COMPLETION DATE - The date when on-site construction must be completed.

1.68 OFFER (or BID) - The executed document submitted by an Offeror in response to a solicitation request, to perform the work required by the proposed contract documents, for the price quoted and within the time allotted.

1.69 OFFEROR (or BIDDER) - Any individual, partnership, firm, corporation, joint venture or other legal entity submitting directly or through a duly authorized representative or agent, an Offer for the work or construction contemplated.

1.70 OFFER FORM (or BID FORM) - The form prepared by the Department on which the Offeror submits the written offer or bid. By submitting an offer or bid, the Offeror adopts the language on the form as its own.

1.71 PROJECT CONTROL BUDGET -The amount of funds set aside for the construction of the Project.

1.72 PROJECT START DATE - The date established in the Notice to Proceed when the Contractor shall begin prosecution of the work and the start of contract time.

1.73 RESIDENT – A person who is physically present in the State of Hawaii at the time the person claims to have established the person's domicile in the State of Hawaii and shows the person's intent is to make Hawaii the person's primary residence.

1.74 SHORTAGE TRADE – A construction trade in which there is a shortage of Hawaii residents qualified to work in the trade as determined by the Department of Labor and Industrial Relations.

1.75 SOLICITATION - An Invitation to Bid or Request for Proposals or any other document issued by the Department to solicit bids or offers to perform a contract. The solicitation may indicate the time and place to

receive the bids or offers and the location, nature and character of the work, construction or materials to be provided."

B. Under ARTICLE 2 – PROPOSAL REQUIREMENTS AND CONDITIONS, modify section 2.1 – QUALIFICATION OF BIDDERS, by deleting 2.1.1, through 2.1.2.8 and substitute the following 2.1.1 through 2.1.2:

"**2.1.1 Notice of Intention to Bid**

2.1.1.1 In accordance with section 103D-310, Hawaii Revised Statutes, and Section 3-122-111, Hawaii Administrative Rules, a written notice of intention to bid need not be filed for construction of any public building or public work. A written notice of intention to bid need not be filed for mere furnishing and installing of furniture, equipment, appliances, material and any combination of these items when a Contractor's license is not required under Chapter 444 of the Hawaii Revised Statutes, as amended, and the rules and regulations of the Contractor's License Board.

2.1.1.2 If two (2) or more prospective bidders desire to bid jointly as a joint venture on a single project, they must file an affidavit of joint venture. Such affidavit of joint venture will be valid only for the specific project for which it is filed. No further license is required when all parties to the joint venture possess current and appropriate contractor's licenses. Joint ventures are required to be licensed in accordance with Chapter 444 of the Hawaii Revised Statutes, as amended, and the rules and regulations of the Contractor's License Board when any party to the joint venture agreement does not hold a current or appropriate contractor's license. The joint venture must register with the office of the Director of Commerce and Consumer Affairs in accordance Chapter 425 of the Hawaii Revised Statutes, as amended.

2.1.1.3 No persons, firm or corporation may bid where (1) the person, firm, or corporation, or (2) a corporation owned substantially by the person, firm, or corporation, or (3) a substantial stockholder or an officer of the corporation, or (4) a partner or substantial investor in the firm is in arrears in any payment owned to the State of Hawaii or any of its political subdivisions or is in default of any obligation to the State of Hawaii or to all or to any of its political subdivisions, including default as a surety or failure to perform faithfully and diligently any previous contract with the Department.

2.1.2 Compliance Certificate 103D-310(c), Hawaii Revised Statutes – The Contractors are required to provide proof of compliance in order to receive a contract of $25,000 or more. To meet this requirement, Bidders may apply and register at the "Hawaii Compliance Express" website: http://vendors.ehawaii.gov/hce/splash/welcome.html

C. Under ARTICLE 2 - PROPOSAL REQUIREMENTS AND CONDITIONS, modify section 2.6 - SUBSTITUTION OF MATERIALS AND EQUIPMENT BEFORE BID OPENING, by renaming section 2.6 SUBSTITUTION BEFORE CONTRACT AWARD and deleting subsections 2.6.1, through 2.6.6 and substitute the following three new subsections and related paragraphs 2.6.1 through 2.6.3:

"**2.6.1** For Substitutions after the Letter of Award is issued; refer to Section 6.3 SUBSTITUTION AFTER CONTRACT AWARD.

2.6.2 Unless specifically required otherwise in the contract documents, Offerors shall not submit products, materials, equipment, articles or systems for review or approval prior to submitting their Offers.

2.6.3 Offerors shall prepare their Offer forms based on the performance requirements of the materials, equipment, articles or systems noted on the drawings and specifications. If trade names, makes, catalog numbers or brand names are specified, Offerors shall infer that these items indicate the quality, style, appearance or performance of the material, equipment, article, or systems to be used in the project."

D. Under ARTICLE 2 – PROPOSAL REQUIREMENTS AND CONDITIONS, modify section 2.7 – PREPARATION OF PROPOSAL, by deleting subsection 2.7.3 and substituting the following 2.7.3:

"**2.7.3** Pursuant to the requirements of Section 103D-302, HRS, each Bidder shall include in its bid the name of each person or firm to be engaged by the Bidder on the project as joint contractor or subcontractor indicating also the nature and scope of work to be performed by such joint contractor and/or subcontractor. If the Bidder fails to list a joint contractor or subcontractor, the State may accept the bid if it is in the State's best interest and the value of the work to be performed by the joint contractor or subcontractor is equal to or less than one percent of the total bid amount. The Bidder shall be solely responsible for verifying that their joint contractor or subcontractor has the proper license at the time of the submitted bid."

E. Under ARTICLE 2 – PROPOSAL REQUIREMENTS AND CONDITIONS, modify section 2.13 – PROTEST, by deleting subsections 2.13.2 and 2.13.3 and substituting the following 2.13.2 & 2.13.3:

"2.13.2 No Protest based upon the contents of the solicitation shall be considered unless it is submitted in writing to the Public Works Administrator prior to the date set for the receipt of proposals.

2.13.3 A protest of an award or proposed award pursuant to §103D-302 or §103D-303, HRS, shall be submitted in writing to the Administrative Director of the Courts within five (5) working days after the posting of the award of the Contract."

F. Under ARTICLE 2 – PROPOSAL REQUIREMENTS AND CONDITIONS, modify section 2.13 – PROTEST, by renumbering existing subsection 2.13.4 to 2.13.5 and adding new subsection 2.13.4:

"2.13.4 All protests must be received at Financial Services Division (FSD), 1111 Alakea, Sixth Floor, Honolulu, HI 96813 by the appropriate deadline. Timely receipt shall be evidenced by the date and time registered by the FSD time stamp clock.

If the bidder chooses to deliver its protest by the United States Postal Service (USPS), the documents shall be sent to Financial Services Division, 1111 Alakea, Sixth Floor, Honolulu, HI 96813. USPS does not deliver directly to Financial Services Division and mail must be processed through a mail room. This may cause a delay in receipt by Financial Services.

The Protestor bears sole responsibility for ensuring that the protest letter/documentation is delivered by the appropriate deadline."

G. Under ARTICLE 3 – AWARD AND EXECUTION OF CONTRACT, replace section 3.2.8 with the following:

"3.2.8 Where there is an incomplete or ambiguous listing of joint contractors and/or subcontractors, the offer may be rejected. Bidders are solely responsible to ensure that their subcontractor listing is complete (i.e. all work which is not listed as being performed by joint contractors and/or subcontractors can be performed by the bidder using its license(s)). Additions to the subcontractor listing by the bidder will not be allowed after bid opening. When there is an ambiguity, as determined by the Judiciary, as to the completeness of the listing, the Judiciary reserves the right to seek information from the bidder to determine whether, in the Judiciary's discretion, the listing is an error that may be forgiven."

H. Under ARTICLE 3 – AWARD AND EXECUTION OF CONTRACT, modify section 3.3 CORRECTION OF BIDS AND WITHDRAWAL OF BIDS 3-122-31 HAR, by deleting subsection 3.3.1.2(b) and substituting the following 3.3.1.2(b):

"(b) Transposition errors;"

I. Under ARTICLE 3 – AWARD AND EXECUTION OF CONTRACT, modify section 3.3 CORRECTION OF BIDS AND WITHDRAWAL OF BIDS §3-122-31 HAR, by deleting subsection 3.3.2 and substituting the following 3.3.2:

"**3.3.2** Withdrawal of bids after bid opening but prior to award may be made when the bid contains a mistake attributable to an obvious error which affects price, quantity, quality, delivery, or contractual conditions, and the bidder requests withdrawal in writing by submitting proof of evidentiary value which demonstrates that a mistake was made. The Administrative Director of the Courts shall prepare a written approval or denial in response to this request."

J. Under ARTICLE 3 – AWARD AND EXECUTION OF CONTRACT, modify section 3.4 AWARD OF CONTRACT, by deleting subsection 3.4.1 and substituting the following 3.4.1:

"3.4.1 The award of contract, if it be awarded, will be made within sixty (60) calendar days after the opening of the proposals to the lowest responsible and responsive Bidder (including the alternate or alternates which may be selected by the Administrative Director of the Courts in the case of alternate bids) whose proposal complies with all the requirements prescribed, but in no case will an award be made until all necessary investigations are made. The successful Bidder will be notified, by letter mailed to the address shown on the proposal, that its bid has been accepted and that it has been awarded the contract. Unless otherwise required by law, bid may not be withdrawn without penalty."

K. Under ARTICLE 3 – AWARD AND EXECUTION OF CONTRACT, modify section 3.4 AWARD OF CONTRACT, by deleting subsection 3.4.4 and substituting the following 3.4.4:

"**3.4.4** The contract will be drawn on the offer forms and accepted by the Administrative Director of the Courts. The contract will not be binding upon the Department until all required signatures have been affixed thereto and written certification that funds are available for the work has been made."

L. Under ARTICLE 3 – AWARD AND EXECUTION OF CONTRACT, modify section 3.7 REQUIREMENT OF PERFORMANCE AND PAYMENT BONDS by deleting subsections 3.7.1, 3.7.1.2, and 3.7.1.3 and substituting the following new subsections 3.7.1, 3.7.1.1, and 3.7.1.2:

"3.7.1 Performance and Payment Bonds shall be required for contracts $25,000 and higher. At the time of contract award, the successful Bidder shall file good and sufficient performance and payment bonds on the form furnished by the Department (see Appendix), each in an amount equal to one hundred percent (100%) of the amount of the contract price unless otherwise stated in the solicitation of bids. Acceptable performance and payment bonds shall be limited to the following:

3.7.1.1 Surety bonds underwritten by a company licensed to issue bonds in this State; or

3.7.1.2 A certificate of deposit; credit union share certificate; or cashier's, treasurer's, teller's or official check drawn by, or a certified check accepted by, and payable on demand to the State by a bank, a savings institution, or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration.

(a) These instruments may be utilized only to a maximum of $100,000.

(b) If the required amount totals over $100,000, more than one instrument not exceeding $100,000 each and issued by different financial institutions shall be acceptable."

M. Under ARTICLE 3 – AWARD AND EXECUTION OF CONTRACT, modify section 3.7 REQUIREMENT OF PERFORMANCE AND PAYMENT BONDS by adding the following new subsection 3.7.3:

"3.7.3 For additional Performance and Payment Bond requirements due to changes in the contract amount after contract award, see section 4.2.4.2 Additional Performance and Payment Bond Increases."

N. Under ARTICLE 3 – AWARD AND EXECUTION OF CONTRACT, add new Section 3.8 as follows:

"**3.8 CAMPAIGN CONTRIBUTIONS BY STATE AND COUNTY CONTRACTORS** - Contractors are hereby notified of the applicability of Section 11-355 HRS, which states that campaign contributions are prohibited from specified State or County government contractors during the term of the contract if the contractors are paid with funds appropriated by a legislative body."

O. Under ARTICLE 3 – AWARD AND EXECUTION OF CONTRACT, modify section 3.8 EXECUTION OF THE CONTRACT, by renumbering the section number to 3.9, related subsection numbers to 3.9.1, 3.9.2 , by deleting former subsection 3.8.1 and substituting the following new 3.9.1:

"**3.9.1** Upon acceptance of the successful bidder's offer by the Administrative Director of the Courts, the Contractor shall provide satisfactory performance and payment bonds within ten (10) calendar days after award of the contract or within such further time as granted by the Administrative Director of the Courts. No proposal or contract shall be considered binding upon the State until the contract has been fully and properly executed by all parties thereto and the Administrative Director of the Courts has endorsed thereon its certificate, as required by Section 103D-309, HRS, that there is an available unexpended appropriation or balance of an appropriation over and above all outstanding contracts sufficient to cover the State's amount required by such contract."

P. Under ARTICLE 3 – AWARD AND EXECUTION OF CONTRACT, modify section 3.9 FAILURE TO EXECUTE THE CONTRACT, by renumbering the section number to 3.10, related subsection numbers to 3.10.1, 3.10.2, 3.10.3, by deleting former subsection 3.9.2 and substituting the following new 3.10.2:

"**3.10.2 After the Award** – If the Bidder to whom contract is awarded shall fail or neglect to furnish satisfactory security within ten (10) calendar days after such award or within such further time as the Administrative Director of the Courts may allow, the State shall be entitled to recover from such Bidder its actual damages, including but not limited to the difference between the bid and the next lowest responsive bid, as well as personnel and administrative costs, consulting and legal fees and other expenses incurred in arranging a contract with the next low responsive bidder or calling for new bids. The State may apply all or part of the amount of the bid security to reduce damages. If upon determination by the State of the amount of its damages the bid security exceeds that amount, it shall release or return the excess to the person who provided same."

Q. Under ARTICLE 3 – AWARD AND EXECUTION OF CONTRACT, renumber Section 3.10 NOTICE TO PROCEED and related subsection numbers to 3.11, 3.11.1, 3.11.2, 3.11.3 and 3.11.4.

R. Under ARTICLE 4 - SCOPE OF WORK, modify Section 4.2 CHANGES, by deleting subsection 4.2.4.2 and substituting the following new subsection 4.2.4.2:

"4.2.4.2 Performance and Payment Bond Increases. When the contract price is increased, performance and payment bonds shall each be automatically increased in amounts equal to one hundred percent (100%) of the increase in contract price.

S. Under ARTICLE 4 - SCOPE OF WORK, modify Section 4.2 CHANGES, by deleting subsection 4.2.4.3 and substituting the following two new subsections:

"4.2.4.3 Upon receipt of a change order, that the Contractor does not agree with any of the terms or conditions or the adjustments or non adjustments of the contract price or contract time; the Contractor shall not execute or sign the change order, but shall return the unsigned change order, along with a written notification of the conditions or items that are in dispute.

4.2.4.4 If the Contractor signs or executes the change order, this constitutes an agreement on the part of the Contractor with the terms and conditions of the change order. A change order that is mutually agreed to and signed by the parties of the contract constitutes a contract modification."

T. Under ARTICLE 4 - SCOPE OF WORK, modify section 4.2 CHANGES, by adding the following three new subsections 4.2.5 through 4.2.7:

"**4.2.5 Claim Notification** - The Contractor shall file a notice of intent to claim for a disputed change order within 30 calendar days after receipt of the written order. Failure to file the protest within the time specified constitutes an agreement on the part of the Contractor with the terms, conditions, amounts and adjustment or non-adjustment to contract price or contract time set forth in the disputed change order. The requirement for timely written notice shall be a condition precedent to the assertion of a claim.

4.2.6 Proceeding with Directed Work - Upon receipt of a contract modification, change order, or field order, the Contractor shall proceed with the directed changes and instructions. The Contractor's right to make a claim for additional compensation or an extension of time for completion is not affected by proceeding with the changes and instructions described in a change order and field order.

4.2.7 Pricing or Negotiating Costs Not Allowed - The Contractor's cost of responding to requests for price or time adjustments is included in the contract price. No additional compensation will be allowed unless authorized by the Contracting Officer."

U. Under ARTICLE 4 - SCOPE OF WORK, modify section 4.3 Duty of Contractor to Provide Proposal for Changes, by deleting subsection 4.3.4.

V. Under ARTICLE 4 - SCOPE OF WORK, modify section 4.4 PRICE ADJUSTMENT, by deleting subsection 4.4.1 and substituting subsection 4.4.1 and adding a new subsection 4.4.2 and modify section 4.5 ALLOWANCES FOR OVERHEAD AND PROFIT, by deleting subsections 4.5.1, 4.5.2 and 4.5.3 and substituting subsections 4.5.1, 4.5.2 and 4.5.3 as follows:

"4.4 PRICE ADJUSTMENT HRS 103D-501

4.4.1 A fully executed change order or other document permitting billing for the adjustment in price under any method listed in paragraphs (4.4.1.1) through (4.4.1.5) shall be issued within ten days after agreement on the price adjustment. Any adjustment in the contract price pursuant to a change or claim in this contract shall be made in one or more of the following ways:

4.4.1.1 By agreement to a fixed price adjustment before commencement of the pertinent performance;

4.4.1.2 By unit prices specified in the contract or subsequently agreed upon before commencement of the pertinent performance;

4.4.1.3 Whenever there is a variation in quantity for any work covered by any line item in the schedule of costs submitted as required by Section 7.2 COMMENCEMENT REQUIREMENTS, by the Department at its discretion, adjusting the lump sum price proportionately;

4.4.1.4 FORCE ACCOUNT METHOD. At the sole option of the Contracting Officer, by the costs attributable to the event or situation covered by the change, plus appropriate profit or fee, all as specified in Section 4.5 ALLOWANCES FOR OVERHEAD AND PROFIT and the force account provision of Section 8.3 PAYMENT FOR ADDITIONAL WORK before commencement of the pertinent performance;

4.4.1.5 In such other manner as the parties may mutually agree upon before commencement of the pertinent performance; or

4.4.1.6 In the absence of an agreement between the two parties:

4.4.1.6.a For change orders with value not exceeding $50,000 by documented actual costs of the work, allowing for overhead and profit as set forth in Section 4.5 ALLOWANCES FOR OVERHEAD AND PROFIT. A change order shall be issued within fifteen days of submission by the contractor of proper documentation of completed force account work, whether periodic (conforming to the applicable billing cycle) or final. The contracting officer shall return any documentation that is defective to the contractor within fifteen days after receipt, with a statement identifying the defect; or

4.4.1.6.b For change orders with value exceeding $50,000 by a unilateral determination by the Contracting Officer of the reasonable and necessary costs attributable to the event or situation covered by the change, plus appropriate profit or fee, all as computed by the Contracting Officer in accordance with applicable sections of Chapters 3-123 and 3-126 of the Hawaii Administrative Rules, and Section 4.5 ALLOWANCES FOR OVERHEAD AND PROFIT. When a unilateral determination has been made, a unilateral change order shall be issued within ten days. Upon receipt of the unilateral change order, if the contractor does not agree with any of the terms or conditions, or the adjustment or nonadjustment of the contract time or contract price, the contractor shall file a notice of intent to claim within thirty days after the receipt of the written unilateral change order. Failure to file a protest within the time specified shall constitute agreement on the part of the contractor with the terms, conditions, amounts, and adjustment or nonadjustment of the contract time or the contract price set forth in the unilateral change order.

4.4.2 Cost or Pricing Data - Contractor shall provide and certify cost or pricing data for any price adjustment to a contract involving aggregate increases and decreases in costs plus applicable profits expected to exceed $100,000. The

certified cost or pricing data shall be subject to the provisions of HAR chapter 3-122, subchapter 15.

4.5 ALLOWANCES FOR OVERHEAD AND PROFIT HRS103D-501

4.5.1 In determining the cost or credit to the Department resulting from a change, the allowances for all overhead, including, extended overhead resulting from adjustments to contract time (including home office, branch office and field overhead, and related delay impact costs) and profit combined, shall not exceed the percentages set forth below:

4.5.1.1 For the Contractor, for any work performed by its own labor forces, twenty percent (20%) of the direct cost;

4.5.1.2 For each subcontractor involved, for any work performed by its own forces, twenty percent (20%) of the direct cost;

4.5.1.3 For the Contractor or any subcontractor, for work performed by their subcontractors, ten percent (10%) of the amount due the performing subcontractor.

4.5.2 Not more than three markup allowance line item additions not exceeding the maximum percentage shown above will be allowed for profit and overhead, regardless of the number of tier subcontractors.

4.5.3 The allowance percentages will be applied to all credits and to the net increase of direct costs where work is added and deleted by the changes."

W. Under ARTICLE 5 - CONTROL OF THE WORK, modify section 5.4 SHOP DRAWINGS AND OTHER SUBMITTALS, by deleting subsection 5.4.14 and 5.4.15 and substitute the following new subsections:

"5.4.1.4 Descriptive Sheets and Other Submittals - When a submittal is required by the contract, the Contractor shall submit to the Contracting Officer eight (8) complete sets of descriptive sheets such as shop drawings, brochures, catalogs, illustrations, calculation, material safety data sheets (MSDS), certificates, reports, warranty, etc., which will completely describe the material, product, equipment, furniture or appliance to be used in the project as shown in the drawings and specifications and how it will be integrated into adjoining construction. When submittals are specified to be submitted under Web Based Construction Management System, the number of complete sets will be as specified or as directed by the Contracting Officer. Prior to the submittal, the Contractor shall review and check all submittal sheets for conformity to the contract requirements and indicate such conformity by marking or stamping and signing each sheet. Where descriptive sheets include materials, systems, options, accessories, etc. that do not apply to this contract, non-relevant items shall be crossed out so that all remaining information will be considered applicable to this contract. It is the responsibility of the Contractor to submit descriptive sheets for review and acceptance by the Contracting Officer as required at the earliest possible date after the date of award in order to meet the Contract Duration. Delays

caused by the failure of the Contractor to submit descriptive sheets as required will not be considered as justification for contract time extension.

5.4.1.5 Material Samples and Color Samples - When material and color sample submittals are required by the contract, the Contractor shall submit to the Contracting Officer no less than three (3) samples conforming to Section 6.6 MATERIAL SAMPLES. One sample will be retained by the Consultant, one sample will be retained by the State, and the remaining sample(s) will be returned to the Contractor. Prior to the material and color submittal, the Contractor shall review and check all samples for conformity to the contract requirements and indicate such conformity by marking or stamping and signing each sample. It is the responsibility of the Contractor to submit samples for review and acceptance by the Contracting Officer as required at the earliest possible date after the date of award in order to meet the Contract Duration. Delays caused by the failure of the Contractor to submit material and color samples as required will not be considered as justification for contract time extension.

5.4.1.6 Unless the technical sections (Divisions 2 - 16) specifically require the Contractor furnish a greater quantity of shop drawings and other submittals, the Contractor shall furnish the quantities required by this section."

X. Under ARTICLE 5 - CONTROL OF THE WORK, modify section 5.8 COOPERATION BETWEEN THE CONTRACTOR AND THE DEPARTMENT, by deleting the subsection 5.8.1 and substitute the following new subsection 5.8.1:

"**5.8.1 Furnishing Drawings and Specifications** – The Judiciary will not furnish hard copies of contract plans and specifications to Contractors. Contractors who receive award for projects shall download the files of drawings and specifications from the HIePRO website: https//hiepro@ehawaii.gov and make their own hard copies. Contractor shall have and maintain at least one hard copy of the Contract Drawings and Specifications on the work site, at all times."

Y. Under ARTICLE 5 - CONTROL OF THE WORK, modify section 5.12 SUBCONTRACTS, by deleting the subsection 5.12 and related paragraphs and substitute the following new subsection 5.12 and related paragraphs:

"**5.12 SUBCONTRACTS -** Nothing contained in the contract documents shall create a contractual relationship between the State and any subcontractor. The contractor may subcontract a portion of the work but the contractor shall remain responsible for the work that is subcontracted.

5.12.1 Replacing Subcontractors - Contractors may enter into subcontracts only with subcontractors listed in the offer form. The contractor will be allowed to replace a listed subcontractor if the subcontractor:

5.12.1.1 Fails, refuses or is unable to enter into a subcontract consistent with the terms and conditions of the subcontractor's offer presented to the contractor; or

5.12.1.2 Becomes insolvent; or

5.12.1.3 Has any license or certification necessary for performance of the work suspended or revoked; or

5.12.1.4 Has defaulted or has otherwise breached the subcontract in connection with the subcontracted work; or

5.12.1.5 Agrees to be substituted by providing a written release; or

5.12.1.6 Is unable or refuses to comply with other requirements of law applicable to contractors, subcontractors, and public works projects.

5.12.2 Notice of Replacing Subcontractor - The Contractor shall provide a written notice to the Contracting Officer when it replaces a subcontractor, including in the notice, the reasons for replacement. The Contractor agrees to defend, hold harmless, and indemnify the State against all claims, liabilities, or damages whatsoever, including attorney's fees, arising out of or related to the replacement of a subcontractor.

5.12.3 Adding Subcontractors - The Contractor may enter into a subcontract with a subcontractor that is not listed in the offer form only after this contract becomes enforceable.

5.12.4 Subcontracting - Contractor shall perform with its own organization, work amounting to not less than twenty (20%) of the total contract cost, exclusive of costs for materials and equipment the Contractor purchases for installation by its subcontractors, except that any items designated by the State in the contract as "specialty items" may be performed by a subcontract and the cost of any such specialty items so performed by the subcontract may be deducted from the total contract cost before computing the amount of work required to be performed by the Contractor with its own organization."

Z. Under ARTICLE 6 - CONTROL OF MATERIALS AND EQUIPMENT, Modify Section 6.3 SUBSTITUTION OF MATERIALS AND EQUIPMENT AFTER BID OPENINGS, by renaming section 6.3 SUBSTITUTION AFTER CONTRACT AWARD and by deleting subsections 6.3.1 through 6.3.3 and related paragraphs, and substitute the following two new subsections 6.3.1 and 6.3.2 and related paragraphs:

"**6.3.1** Materials, equipment, articles and systems noted on the drawings and specifications, establish a standard of quality, function, performance or design requirements and shall not be interpreted to limit competition. Should trade names, makes, catalog numbers or brand names be specified, the contractor shall infer that these items indicate the quality, style, appearance or performance of the material, equipment, article, or systems to be used in the project. The contractor is responsible to use materials, equipment, articles or systems that meet the project requirements. Unless specifically provided otherwise in the contract documents, the contractor may, at its option, use any material, equipment, article or system that, in the judgment of the Contracting Officer, is equal to that required by the contract documents.

6.3.1.1 If after installing a material, equipment, article or system a variance is discovered, the contractor shall immediately replace the material, equipment, article or system with one that meets the requirements of the contract documents.

6.3.2 Substitution After Contract Award - Subject to the Contracting Officer's determination; material, equipment, article or system with a variant feature(s) may be allowed as a substitution, provided it is in the State's best interest. The State may deny a substitution; and if a substitution is denied, the contractor is not entitled to any additional compensation or time extension.

6.3.2.1 The Contractor shall include with the submittal, a notification that identifies all deviations or variances from the contract documents. The notice shall be in a written form separate from the submittal. The variances shall be clearly shown on the shop drawing, descriptive sheet, and material sample or color sample; and the Contractor shall certify that the substitution has no other variant features. Failures to identify the variances are grounds to reject the related work or materials, notwithstanding that the Contracting Officer accepted the submittal. If the variances are not acceptable to the Contracting Officer, the contractor will be required to furnish the item as specified on the contract documents at no additional cost or time.

6.3.2.2 Acceptance of a variance shall not justify a contract price or time adjustment unless the Contractor requests an adjustment at the time of submittal and the adjustments are explicitly agreed to in writing by the Contracting Officer. Any request shall include price details and proposed scheduling modifications. Acceptance of a variance is subject to all contract terms, and is without prejudice to all rights under the surety bond.

6.3.2.3 The Contractor can recommend improvements to the project, for materials, equipment, articles, or systems by means of a substitution request, even if the improvements are at an additional cost. The Contracting Officer shall make the final determination to accept or reject the Contractor's proposed improvements. If the proposed material, equipment, article or system cost less than the specified item, the Department will require a sharing of cost similar to value engineering be implemented. State reserves its right to deny a substitution; and if a substitution is denied, the contractor is not entitled to additional compensation or time extension."

AA. Under Article 7 - PROSECUTION AND PROGRESS, modify section 7.2 SCHEDULE OF PRICES by deleting paragraph 7.2.4.1 and substitute the following paragraph 7.2.4.1:

"7.2.4.1. The Contractor shall estimate at the close of each month the percentage of work completed under each of the various construction items during such month and submit the Monthly Payment Application to the Contracting Officer for review and approval. The Contractor shall be paid the approved percentage of the price established for each item less the retention provided in Section 8.4 PROGRESS PAYMENTS."

BB. Under Article 7 - PROSECUTION AND PROGRESS, add the following paragraph 7.2.4A:

"**7.2.4A Subcontracts.** Upon award of a contract and prior to starting any construction work, the Contractor shall submit to the Contracting Officer a list of all subcontractors and the actual subcontracted dollar amount for each of its subcontractors regardless of the amount of the subcontract. See section 7.39 – Employment of State Residents Requirements."

CC. Under ARTICLE 7 – PROSECUTION AND PROGRESS, modify section 7.2.5 PROOF OF INSURANCE COVERAGE, by deleting subsection 7.2.5 and substitute the following:

"**7.2.5 Proof of Insurance Coverage** - Certificate of Insurance or other documentary evidence satisfactory to the Contracting Officer that the Contractor has in place all insurance coverage required by the contract. The Certificate of Insurance shall contain wording which identifies the Project number and Project title for which the certificate of insurance is issued. Refer to Section 7.3 INSURANCE REQUIREMENTS."

DD. Under ARTICLE 7 – PROSECUTION AND PROGRESS, modify paragraph 7.2.6, by deleting the paragraph and substitute the following:

"7.2.6 Safety and Health Plan for this project. Refer to HRS Section 396-18.

7.2.7 Until such time as the above items are processed and receipt is confirmed, the Contractor shall not be allowed to commence on any operations unless authorized by the Engineer."

EE. Under ARTICLE 7 – PROSECUTION AND PROGRESS, modify section 7.3 INSURANCE REQUIREMENTS, by deleting subsection 7.3.3 and substitute the following new subsection 7.3.3:

"7.3.3 Certificate(s) of Insurance acceptable to the State shall be filed with the Contracting Officer prior to commencement of the work. Certificates shall identify if the insurance company is a "captive" insurance company or a "Non-Admitted" carrier to the State of Hawaii. The best's rating must be stated for the "Non-Admitted" carrier. Certificates shall contain a provision that coverages being certified will not be cancelled or materially changed without giving the Contracting Officer at least thirty (30) days prior written notice. Should any policy be canceled before final acceptance of the work by the State, and the Contractor fails to immediately procure replacement insurance as specified, the State, in addition to all other remedies it may have for such breach, reserves the right to procure such insurance and deduct the cost thereof from any money due to the Contractor."

FF. Under ARTICLE 7 – PROSECUTION AND PROGRESS, modify section 7.3 INSURANCE REQUIREMENTS, by deleting subsection 7.3.7.2 and substitute the following new subsection 7.3.7.2:

"7.3.7.2 General Liability - The Contractor shall obtain General Liability insurance with a limit of not less than $2,000,000 per occurrence and in the Aggregates. The insurance policy shall contain the following clauses: 1)

"The State of Hawaii is added as an additional insured as respects to operations performed for the State of Hawaii."; and 2) "It is agreed that any insurance maintained by the State of Hawaii will apply in excess of, and not contributed with, insurance provided by this policy." The required limit of insurance may be provided by a single policy or with a combination of primary and excess polices. Refer to SPECIAL CONDITIONS for any additional requirements."

GG. Under ARTICLE 7 – PROSECUTION AND PROGRESS, modify section 7.3 INSURANCE REQUIREMENTS, by deleting subsection 7.3.7.3 and substitute the following new subsection 7.3.7.3:

"7.3.7.3 Auto Liability - The Contractor shall obtain Auto Liability Insurance covering all owned, non-owned and hired autos with a Combined single Limit of not less than $1,000,000 per occurrence. The insurance policy shall contain the following clauses: 1) "The State of Hawaii is added as an additional insured as respects to operations performed for the State of Hawaii."; and 2) "It is agreed that any insurance maintained by the State of Hawaii will apply in excess of, and not contributed with, insurance provided by this policy." The required limit of insurance may be provided by a single policy or with a combination of primary and excess polices. Refer to SPECIAL CONDITIONS for any additional requirements."

HH. Under ARTICLE 7 – PROSECUTION AND PROGRESS, modify section 7.3 INSURANCE REQUIREMENTS, by deleting subsection 7.3.7.4 and substitute the following new subsection 7.3.7.4:

"7.3.7.4 Property Insurance (Builders Risk)

(a) New Building(s) - The Contractor shall obtain Property Insurance covering building(s) being constructed under this Contract. The limit shall be equal to the completed value of the building(s) and shall insure against all-loss excluding earthquakes and floods. The coverage shall be provided by a company authorized to write insurance in the State of Hawaii as an insurer. The insurance policy shall contain the following clauses: 1) "The State of Hawaii is added as an additional insured as respects to operations performed for the State of Hawaii."; and 2) "It is agreed that any insurance maintained by the State of Hawaii will apply in excess of, and not contributed with, insurance provided by this policy." If the project falls within the State University System, The University of Hawaii shall also be named as an insured. Refer to SPECIAL CONDITIONS for any additional requirements.

(b) Building Renovation and / or Installation Contract - The Contractor shall obtain Property Insurance with a limit equal to the completed value of the work or property being installed and shall insure against all-loss excluding earthquakes and floods. The coverage shall be provided by a company authorized to write insurance in the State of Hawaii as an insurer. The insurance policy shall contain the following clauses: 1) "The State of Hawaii is added as an additional insured as respects to operations performed for the State of Hawaii."; and 2) "It is agreed that any insurance maintained by the State of Hawaii will apply in excess of, and

not contributed with, insurance provided by this policy." The Judiciary – State of Hawaii shall also be added as an additional insured as respects to operations performed for the State of Hawaii. Refer to SPECIAL CONDITIONS for any additional requirements.

(c) The Contractor is not required to obtain property insurance for contracts limited to site development."

II. Under ARTICLE 7 - PROSECUTION AND PROGRESS, modify section 7.7 PREVAILING WAGES, by deleting subsection 7.7.4.

JJ. Under Article 7 – PROSECUTION AND PROGRESS, add the following section 7.9A – APPRENTICESHIP AGREEMENT CERTIFICATION

"7.9A APPRENTICESHIP AGREEMENT CERTIFICATION (HRS §103-55.6)

7.9A.1 For the duration of a contract awarded and executed utilizing the apprenticeship agreement preference the Contractor shall certify, for each month that work is being conducted on the project, that it continues to be a participant in the relevant registered apprenticeship program for each trade it employs.

7.9A.2 Monthly certification shall be made by completing the *Monthly Report of Contractor's Participation - Form 2* made available by the State Department of Labor and Industrial Relations, the original to be signed by the respective apprenticeship program sponsors authorized official, and submitted by the Contractor to the Engineer with its monthly payment requests. The *Monthly Report of Contractor's Participation - Form 2* available on the DLIR website at: http://labor.hawaii.gov/wdd/files/2012/12/Form-2-Monthly-Report-of-Contractors-Participation.pdf.

7.9A.3 Should the Contractor fail or refuse to submit its Monthly *Report of Contractor's Participation – Form 2*, or at any time during the duration of the contract, cease to be a party to a registered apprenticeship agreement for any of the apprenticeable trades the Contractor employs, or will employ, the Contractor will be subject to the following sanctions:

7.9A.3.1 Withholding of the requested payment until all of the required *Monthly report of Contractor's Participation – Form 2s* are properly completed and submitted.

7.9A.3.2 Temporary or permanent cessation of work on the project, without recourse to breach of contract claims by the Contractor; provided the Department shall be entitled to restitution for nonperformance or liquidated damages claims; or

7.9A.3.3 Proceedings to debar or suspend pursuant to HRS §103D-702.

7.9A.4 If events such as "acts of God," acts of a public enemy, acts of the State or any other governmental body in its sovereign or contractual capacity, fires, floods, epidemics, freight embargoes, unusually severe weather, or strikes or other labor disputes prevent the Contractor from submitting the *Monthly Report of Contractor's Participation – Form 2*, the Contractor shall not be penalized as

provided herein, provided the Contractor completely and expeditiously complies with the certification process when the event is over."

KK. Under ARTICLE 7 - PROSECUTION AND PROGRESS, modify section 7.10 OVERTIME AND NIGHT WORK, by deleting subsection 7.10.2 and substitute the following:

"**7.10.2** Contractor shall notify the Contracting Officer two working days prior to doing overtime and night work, to insure proper inspection will be available. The notification shall address the specific work to be done. A notification is not required when overtime work and night work are included as normal working hours in the contract and in the contractor's construction schedule."

LL. Under ARTICLE 7 - PROSECUTION AND PROGRESS, modify section 7.11 - OVERTIME AND NIGHT PAYMENT FOR STATE INSPECTION SERVICES, by adding new subsection 7.11.1 and renumbering the existing subsections 7.11.1, 7.11.1.1, 7.11.1.2, 7.11.1.3 and 7.11.2 to read 7.11.2, 7.11.2.1, 7.11.2.2, 7.11.2.3 and 7.11.3 respectively. Change subsection reference number (7.11.1) in subsection 7.11.3 - Payment for Inspection Services to read 7.11.2:

"**7.11.1** The Department is responsible for overtime or night time payments for Department's inspection services, including Department's Inspector, State staff personnel and the Department's Consultant(s) engaged on the project, when overtime and night work are included as normal working hours in the contract and in the contractor's construction schedule."

MM. Under ARTICLE 7 - PROSECUTION AND PROGRESS, modify section 7.25 - DISPUTES AND CLAIMS, by deleting subsection 7.25.10 and paragraph 7.25.10.1 and substitute the following:

"**7.25.10 Decision on Claim or Appeal** - The Contracting Officer shall decide all controversies between the State and the Contractor which arise under, or are by virtue of, this contract and which are not resolved by mutual agreement. The decision of the Contracting Officer on the claim shall be final and conclusive, unless fraudulent or unless the contractor delivers to the a written appeal of the Contracting Officer's decision no later than 30 days after the date of the Contracting Officer's decision. The Administrative Director of the Courts decision shall be final and conclusive, unless fraudulent or unless the Contractor brings an action seeking judicial review of the Administrative Director of the Courts decision in an appropriate circuit court of this State within six months from the date of the Administrative Director of the Courts decision.

7.25.10.1 If the contractor delivers a written request for a final decision concerning the controversy, the Administrative Director of the Courts shall issue a final decision within 90 days after receipt of such a request; provided that if the Administrative Director of the Courts does not issue a written decision within 90 days, or within such longer period as may be agreed upon by the parties, then the contractor may proceed as if an adverse decision had been received. Both parties to this contract agree that the period of up to 30 days to appeal the Contracting Officer's decision to the Administrative Director of the Courts shall not be included in the 90 day period to issue a final decision."

MM. Under ARTICLE 7 - PROSECUTION AND PROGRESS, modify section 7.25 - DISPUTES AND CLAIMS, by deleting subsection 7.25.13 Waiver of Attorney's Fees.

NN. Under ARTICLE 7 - PROSECUTION AND PROGRESS, modify section 7.26 – FAILURE TO COMPLETE THE WORK ON TIME, by deleting paragraph 7.26.1.2 and substitute the following:

> "7.26.1.2 If the Contractor fails to correct Punchlist deficiencies as required by Section 7.32 PROJECT ACCEPTANCE DATE, the State will be inconvenienced and damaged, therefore, it is agreed that the Contractor shall pay liquidated damages to the Department based upon the amount stated in the Specification Section 00800 SPECIAL CONDITIONS. Liquidated damages shall accrue for all days after the Contract Completion Date or any extension thereof, until the date the Punchlist items are corrected and accepted by the Engineer. See Section 8.6 Retainage regarding correction of Punchlist deficiencies."

OO. Under ARTICLE 7 - PROSECUTION AND PROGRESS, modify section 7.26 – FAILURE TO COMPLETE THE WORK ON TIME, by deleting paragraph 7.26.1.3 and substitute the following:

> "7.26.1.3 If the Contractor fails to submit final documents as required by Section 7.33 FINAL SETTLEMENT OF THE CONTRACT, the State will be inconvenienced and damaged, therefore, it is agreed that the Contractor shall pay liquidated damages to the Department based upon the amount stated in the Specification Section 00800 SPECIAL CONDITIONS. Liquidated damages shall accrue for all days after the Contract Completion Date or any extension thereof, until the date the final documents are received by the Engineer. See Section 8.6 Retainage regarding submittal of final documents."

PP. Under ARTICLE 7 - PROSECUTION AND PROGRESS, modify section 7.31 - SUBSTANTIAL COMPLETION, AND FINAL INSPECTION, by deleting paragraph 7.31.2.1 and substitute the following:

> "7.31.2.1 The Contracting Officer shall confirm the list of deficiencies noted by the contractor's punchlist(s) and will notify the contractor of any other deficiencies that must be corrected."

QQ. Under ARTICLE 7 - PROSECUTION AND PROGRESS, modify section 7.32 - PROJECT ACCEPTANCE DATE, by adding new paragraph 7.32.4.1 as follows:

> "7.32.4.1 Punchlist corrective work shall be completed prior to Contract Completion Date, or extension thereof."

SS. Under ARTICLE 7 - PROSECUTION AND PROGRESS, modify section 7.32 - PROJECT ACCEPTANCE DATE, by deleting subsection 7.32.7 and substitute the following:

"**7.32.7** If the contractor fails to correct the deficiencies within the time established in paragraph 7.32.4.1, the Contracting Officer shall assess liquidated damages as required by section 7.26 - FAILURE TO COMPLETE THE WORK ON TIME."

TT. Under ARTICLE 7 - PROSECUTION AND PROGRESS, delete section 7.35 - GUARANTEE OF WORK, and substitute the following:

"7.35 GUARANTEE OF WORK

7.35.1 In addition to any required manufacturers warranties, all work and equipment shall be guaranteed by the Contractor against defects in materials, equipment, or workmanship for one year from the Project Acceptance Date or as otherwise specified in the technical specifications or elsewhere in the Contract Documents.

7.35.1.1. If, in the technical specifications, the guarantee is specified for greater than two (2) years, two (2) years shall prevail except for manufacturer's warranties. Manufacturer's warranties shall remain as specified in their respective technical specification sections or other contract documents.

7.35.1.1.1. However, the number of years specified in the technical specifications or other contract documents, shall prevail only if it is stated that the number of years for guarantee supersedes this provision.

7.35.2 Repair of Work - If, within any guarantee period, repairs or changes are required in connection with the guaranteed work, which in the opinion of the Engineer is necessary due to materials, equipment or workmanship which are inferior, defective or not in accordance with the terms of the Contract, the Contractor shall within five (5) working days and without expense to the Department commence to:

7.35.2.1. Place in satisfactory condition in every instance all such guaranteed work and correct all defects therein; and 7.35.2.2. Make good and repair or replace to new or preexisting condition all damages to the building, facility, work or equipment or contents thereof, resulting from such defective materials, equipment or installation thereof.

7.35.3 Manufacturer's and Installer's Guarantee - Whenever a manufacturer's or installer's guarantee on any product specified in the respective Specification sections, exceeds one year, this guarantee shall become part of this contract in addition to the Contractor's guarantee. Contractor shall complete the guarantee forms in the name of the Department and submit such forms to the manufacturer within such time required to validate the guarantee. Contractor shall submit to the Department a photocopy of the completed guarantee form for the Department's record as evidence that such guarantee form was executed by the manufacturer.

7.35.4 If a defect is discovered during a guarantee period, all repairs and corrections to the defective items when corrected shall again be guaranteed for the original full guarantee period. The guarantee period shall be tolled and suspended for all work affected by the defect. The guarantee period for work

affected by the defect shall restart for its remaining duration upon confirmation by the Engineer that the deficiencies have been repaired or remedied."

UU. Under ARTICLE 7 - PROSECUTION AND PROGRESS, add new section 7.39 as follows:

"**7.39 EMPLOYMENT OF STATE RESIDENTS REQUIREMENTS HRS 103B**

7.39.1 A Contractor awarded a contract shall ensure that Hawaii residents comprise not less than 80% of the workforce employed to perform the contract. The 80% requirement shall be determined by dividing the total number of hours worked on the contract by Hawaii residents, by the total number of hours worked on the contract by all employees of the contractor in the performance of the contract. The hours worked by any subcontractor of the Contractor shall count towards the calculation for purposes of this section. The hours worked by employees within shortage trades, as determined by the Department of Labor and Industrial Relations (DLIR), shall not be included in the calculation for this section.

7.39.2 The requirements of this section shall apply to any subcontract of $50,000 or more in connection with the Contractor, that is, such subcontractors must also ensure that Hawaii residents comprise not less than 80% of the subcontractor's workforce used to perform the subcontract. See also, section 7.2 - Commencement Requirements.

7.39.3 The Contractor, and any subcontractor whose subcontract is $50,000 or more, shall comply with the requirements of this section.

7.39.3.1 Certification of compliance shall be made in writing under oath by an officer of the Contractor and applicable subcontractors and submitted with the final payment request.

7.39.3.2 The certification of compliance shall be made under oath by an officer of the company by completing a Certification of Compliance for Employment of State Residents form and executing the Certificate before a licensed notary public. See attached form at the end of Section 00700 – General Conditions.

7.39.3.3 In addition to the certification of compliance as indicated above, the Contractor and any subcontractors shall maintain records such as certified payrolls for laborers and mechanics who performed work at the site and timesheets for all other employees who performed work on the project. These records shall include the names, addresses and number of hours worked on the project by all employees of the Contractor and subcontractors who performed work on the project to validate compliance with this section. The Contractor and Subcontractors shall maintain, retain, and provide access to these records in accordance with Section 7.38 – RECORDS MAINTENANCE, RETENTION AND ACCESS, except that these provisions shall apply to all contracts, regardless of the value of the contract.

7.39.4 A Contractor or applicable subcontractor who fails to comply with this section shall be subject to any of the following sanctions:

7.39.4.1 With respect to the General Contractor, withholding of payment on the contract until the Contractor or its subcontractor complies with this section; or

7.39.4.2 Proceedings for debarment or suspension of the Contractor or subcontractor under Hawaii Revised Statues §103D-702.

7.39.5 Conflict with Federal Law - This section shall not apply if the application of this section is in conflict with any federal law, or if the application of this section will disqualify the State from receiving Federal funds or aid. See Section 00800 - Special Conditions to determine if this section does not apply."

VV. Under ARTICLE 8 – MEASUREMENT AND PAYMENT, Section 8.3 PAYMENT FOR ADDITIONAL WORK, modify clause 8.3.4.5(h) by changing the replacement value from 'five hundred dollars ($500)' to read "$1,000."

WW. Under ARTICLE 8 - MEASUREMENT AND PAYMENT, Modify section 8.3 PAYMENT FOR ADDITIONAL WORK, by deleting subsection 8.3.1 and substitute the following new subsections and paragraph:

"**8.3.1 Payment for Changed Conditions** - A contract modification or change order complying with section 4.4 PRICE ADJUSTMENT and section 4.5 ALLOWANCES FOR OVERHEAD AND PROFIT shall be issued for all changes that are directed under Section 4.2 CHANGES. No payment for any change including work performed under the force account provisions will be made until a change order is issued or contract modification is executed.

8.3.1.1 At the completion of the force account work or at an intermediate interval approved by the Contracting Officer, the contractor shall submit its force account cost proposal, including; approved daily force account records with any attached invoices or receipt, to the Department for processing a contract modification or change order."

XX. Under Article 8 - MEASUREMENT AND PAYMENT, modify section 8.4 PROGRESS AND/OR PARTIAL PAYMENTS, by deleting section and related SUBSECTIONS 8.4.1 thru 8.4.4.4 and substitute the following new section 8.4 and related subsections 8.4.1 thru 8.4.4.4:

"8.4 PROGRESS PAYMENTS

8.4.1 Progress Payments - The Contractor will be allowed progress payments on a monthly basis upon preparing the Monthly Payment Application forms and submitting them to the Contracting Officer. The monthly payment shall be based on the items of work satisfactorily completed and the value thereof at unit prices and/or lump sum prices set forth in the contract as determined by the Contracting Officer and will be subject to compliance with Section 7.9 PAYROLLS AND PAYROLL RECORDS.

8.4.2 In the event the Contractor or any Subcontractor fails to submit certified copies of payrolls in accordance with the requirements of Section

7.9 PAYROLLS AND PAYROLL RECORDS, the Contracting Officer may retain the amount due for items of work for which payroll affidavits have not been submitted on a timely basis notwithstanding satisfactory completion of the work until such records have been duly submitted. The Contractor shall not be due any interest payment for any amount thus withheld.

8.4.3 Payment for Materials - The Contractor will also be allowed payments of the manufacturer's, supplier's, distributor's or fabricator's invoice cost of accepted materials to be incorporated in the work on the following conditions:

8.4.3.1 The materials are delivered and properly stored at the site of Work; or

8.4.3.2 For special items of materials accepted by the Contracting Officer, the materials are delivered to the Contractor or subcontractor(s) and properly stored in an acceptable location within a reasonable distance to the site of Work.

8.4.4 Payments shall be made only if the Contracting Officer finds that:

8.4.4.1 The Contractor has submitted bills of sale for the materials or otherwise demonstrates clear title to such materials.

8.4.4.2 The materials are insured for their full replacement value to the benefit of the Department against theft, fire, damages incurred in transportation to the site, and other hazards.

8.4.4.3 The materials are not subject to deterioration.

8.4.4.4 In case of materials stored off the project site, the materials are not commingled with other materials not to be incorporated into the project."

YY. Under ARTICLE 8 - MEASUREMENT AND PAYMENT, Modify section 8.5 PROMPT PAYMENT, by deleting section 8.5 and related subsections 8.5.1 thru 8.5.6 and substitute the following new section 8.5 and related subsections 8.5.1 thru 8.5.9:

"8.5.1 Any money paid to a Contractor for work performed by a subcontractor shall be disbursed to such subcontractor within ten (10) days after receipt of the money in accordance with the terms of the subcontract; provided that the subcontractor has met all the terms and conditions of the subcontract and there are no bona fide disputes on which the Contracting Officer has withheld payment.

8.5.2 Upon final payment to the Contractor, full payment to all subcontractors shall be made within ten (10) days after receipt of the money, provided there are no bona fide disputes over the subcontractor's performance under the subcontract.

8.5.3 All sums retained or withheld from a subcontractor and otherwise due to the subcontractor for satisfactory performance under the subcontract shall be paid by the contracting officer to the contractor and subsequently, upon receipt from the contracting officer, by the contractor to the subcontractor within the applicable time periods specified in subsection 8.5.2 and section 103-10 HRS:

8.5.3.1 Where a subcontractor has provided evidence to the contractor of satisfactorily completing all work under their subcontract and has provided a properly documented final payment request as described in subsection (8.5.5) of this section, and:

8.5.3.1.a Has provided to the contractor an acceptable performance and payment bond for the project executed by a surety company authorized to do business in the State, as provided in section 8.6 RETAINAGE; or

8.5.3.1.b The following has occurred:

8.5.3.1.b.1 A period of ninety days after the day on which the last of the labor was done or performed and the last of the material was furnished or supplied has elapsed without written notice of a claim given to contractor and the surety, as provided for in section 103D-324 HRS; and

8.5.3.1.b.2 The subcontractor has provided to the contractor:

8.5.3.1.b.2.1 An acceptable release of retainage bond, executed by a surety company authorized to do business in the State, in an amount of not more than two times the amount being retained or withheld by the contractor;

8.5.3.1.b.2.2 Any other bond acceptable to the contractor; or

8.5.3.1.b.2.3 Any other form of mutually acceptable collateral.

8.5.4 If the contracting officer or the contractor fails to pay in accordance with this section, a penalty of one and one-half per cent per month shall be imposed upon the outstanding amounts due that were not timely paid by the responsible party. The penalty may be withheld from future payment due to the contractor, if the contractor was the responsible party. If a contractor has violated subsection 8.5.2 three or more times within two years of the first violation, the contractor shall be referred by the contracting officer to the contractor license board for action under section 444-17(14) HRS.

8.5.5 Final Payment Request. A properly documented final payment request from a subcontractor, as required by subsection 8.5.3, shall include:

8.5.5.1 Substantiation of the amounts requested;

8.5.5.2 A certification by the subcontractor, to the best of the subcontractor's knowledge and belief, that:

8.5.5.2.a The amounts requested are only for performance in accordance with the specifications, terms, and conditions of the subcontract;

8.5.5.2.b The subcontractor has made payments due to its subcontractors and suppliers from previous payments received under the subcontract and will make timely payments from the proceeds of the payment covered by the certification, in accordance with their subcontract agreements and the requirements of this section; and

8.5.5.2.c The payment request does not include any amounts that the subcontractor intends to withhold or retain from a subcontractor or supplier in accordance with the terms and conditions of their subcontract; and

8.5.5.2.d The submission of documentation confirming that all other terms and conditions required under the subcontract agreement have been fully satisfied.

8.5.6 The contracting officer shall return any final payment request that is defective to the contractor within seven days after receipt, with a statement identifying the defect.

8.5.7 A payment request made by a contractor to the Contracting Officer that includes a request for sums that were withheld or retained from a subcontractor and are due to a subcontractor may not be approved under subsection 8.5.3 unless the payment request includes:

8.5.7.1 Substantiation of the amounts requested; and

8.5.7.2 A certification by the contractor, to the best of the contractor's knowledge and belief, that:

8.5.7.2.a The amounts requested are only for performance in accordance with the specifications, terms, and conditions of the contract;

8.5.7.2.b The subcontractor has made payments due to its subcontractors and suppliers from previous payments received under the contract and will make timely payments from the proceeds of the payment covered by the certification, in accordance with their subcontract agreements and the requirements of this section; and

8.5.7.2.c The payment request does not include any amounts that the contractor intends to withhold or retain from a subcontractor or supplier in accordance with the terms and conditions of their subcontract.

8.5.8 This section shall not be construed to impair the right of a contractor or a subcontractor at any tier to negotiate and to include in their respective subcontracts provisions that provide for additional terms and conditions that are requested to be met before the subcontractor shall be entitled to receive final payment under subsection 8.5.3 of this section; provided that any such payments withheld shall be withheld by the contracting officer."

ZZ. Under ARTICLE 8 - MEASUREMENT AND PAYMENT, modify section 8.6 RETAINAGE, by deleting section 8.6 and related subsections 8.6.1 thru 8.6.3 and substituting the following new section 8.6 and related subsections:

“8.6 RETAINAGE - The Department will retain a portion of the amount due under the contract to the contractor, to ensure the proper performance of the contract.

8.6.1 The sum withheld by the Department from the contractor shall not exceed five per cent of the total amount due the contractor provided that after fifty per cent of the contract is completed and progress is satisfactory, no additional sum shall be withheld; provided further that if progress is not satisfactory, the contracting officer may continue to withhold as retainage, sums not exceeding five per cent of the amount due the contractor; and provided that if there is a subcontract in which the contractor or subcontractor has negotiated a retainage in excess of five percent, but no more than ten percent, all amounts retained shall be held by the Department.

8.6.2 The retainage shall not include sums deducted as liquidated damages from moneys due or that may become due the contractor under the contract.

8.6.3 Any retainage provided for in this section or requested to be withheld by the contractor shall be held by the Department.

8.6.4 A dispute between a contractor and subcontractor of any tier shall not constitute a dispute to which the State or any county is a party, and there is no right of action against the State or any county. The State and a county may not be interpleaded in any judicial or administrative proceeding involving such a dispute.

8.6.5 The retention amount withheld by the contractor from its subcontractor shall be not more than the same percentage of retainage as that of the contractor (also applies to subcontractors who subcontract work to other subcontractors) where a subcontractor has provided evidence to the contractor of:

8.6.5.1 A valid performance and a payment bond for the project that is acceptable to the contractor and executed by a surety company authorized to do business in this State;

8.6.5.2 Any other bond acceptable to the contractor; or

8.6.5.3 Any other form of collateral acceptable to the contractor.

8.6.6 A written notice of any withholding shall be issued to a subcontractor, with a copy to the procurement officer, specifying the following:

8.6.6.1 The amount to be withheld;

8.6.6.2 The specific causes for the withholding under the terms of the subcontract; and

8.6.6.3 The remedial actions to be taken by the subcontractor to receive payment of the amounts withheld.

8.6.7 The Department will withhold retainage sums until all Punchlist deficiencies have been corrected by the Contractor and accepted by the Department, and all final documents have been submitted by the Contractor and accepted by the Department."

AAA. Under Article 8 – MEASUREMENT AND PAYMENT, modify section 8.7 WARRANTY OF CLEAR TITLE, by deleting section and substitute the following new section 8.7:

"8.7 WARRANTY OF CLEAR TITLE - The Contractor warrants and guarantees that all work and materials covered by progress payments made thereon shall be free and clear of all liens, claims, security interests or encumbrances, and shall become the sole property of the Department. This provision shall not, however, be construed as an acceptance of the work nor shall it be construed as relieving the Contractor from the sole responsibility for all materials and work upon which payments have been made or the restoration of any damaged work, or as waiving the right of the Department to require the fulfillment of all the items of the contract."

BBB. Under Article 8 – MEASUREMENT AND PAYMENT, modify section 8.8 – FINAL PAYMENT, by deleting subsection 8.8.1 and substitute the following new subsection 8.8.1:

8.8.1 Upon final settlement, the final payment amount, less all previous payments and less any sums that may have been deducted in accordance with the provisions of the contract, will be paid to the contractor, provided the contractor has submitted the following documents with the request for final payment: a) a current "Certificate of Vendor Compliance" issued by the Hawaii Compliance Express (HCE); and b) an originally notarized Certificate of Compliance for Employment of State Residents signed under oath by an officer of the Contractor and applicable subcontractors pursuant to chapter 103B HRS. The Certificate of Vendor Compliance is used to certify the Contractor's compliance with: a) Section 103D-328, HRS (for all contracts $25,000 or more) which requires a current tax clearance certificate issued by the Hawaii State Department of Taxation and the Internal Revenue Service; b) Chapters 383, 386, 392, and 393, HRS; and c) Subsection 103D-310(c), HRS. The State reserves the right to verify that compliance is current prior to the issuance of final payment. Contractors are advised that non-compliance status will result in final payment being withheld until compliance is attained.

CCC. Under Article 8 – MEASUREMENT AND PAYMENT, modify section 8.9 – CLAIMS ARISING OUT OF PAYMENT FOR REQUIRED WORK, by deleting section and substitute the following new section 8.9:

"8.9 CLAIMS ARISING OUT OF PAYMENT FOR REQUIRED WORK - If the Contractor disputes any determination made by the Contracting Officer regarding the amount of work satisfactorily completed, or the value thereof, or the manner in which payment therefore is made or calculated, it shall notify the Contracting Officer in writing of the specific facts supporting the Contractor's position. Such notice shall be delivered to the Contracting Officer no later than thirty (30) days after the Contractor has been tendered payment for the subject work, or, if no payment has been tendered, not later than fifty (50) days after it has submitted the Monthly

Payment Application required under Section 8.4 PROGRESS PAYMENTS herein to the Contracting Officer for the work that is the subject of the dispute. The delivery of the written notice cannot be waived and shall be a condition precedent to the filing of the claim. No claim for additional compensation for extra work or change work shall be allowed under this provision, unless the notice requirements of Article 4 SCOPE OF WORK have been followed. Acceptance of partial payment of a Monthly Payment Application amount shall not be deemed a waiver of the right to make a claim described herein provided the notice provisions are followed. The existence of or filing of a payment claim herein shall not relieve the Contractor of its duty to continue with the performance of the contract in full compliance with the directions of the Contracting Officer. Any notice of claim disputing the final payment made pursuant to Section 8.8 FINAL PAYMENT must be submitted in writing not later than thirty (30) days after final payment that is identified as such has been tendered to the Contractor."

DDD. Replace (PERFORMANCE BOND – SURETY) on page 65 of the Appendix and (LABOR AND MATERIAL PAYMENT BOND – SURETY) on page 69 of the Appendix with the attached (PERFORMANCE BOND - SURETY) and (LABOR AND MATERIAL PAYMENT BOND – SURETY).

EEE. Add the attached Certification of Compliance for Employment of State Residents form to the Appendix.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

(**PERFORMANCE BOND - SURETY)**

KNOW TO ALL BY THESE PRESENTS:

That _____ ,
(Full Legal Name and Street Address of Contractor)

as Contractor, hereinafter called Principal, and _____

_____
(Name and Street Address of Bonding Company)

as Surety, hereinafter called Surety, a corporation(s) authorized to transact business as a

surety in the State of Hawaii, are held and firmly bound unto the _____ ,
(State/County Entity)

its successors and assigns, hereinafter called Obligee, in the amount of _____

_____
DOLLARS ($ _____), to which payment Principal and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the above-bound Principal has entered into a Contract with Obligee dated _____ for:

_____

_____
JUDICIAL JOB NO.:
hereinafter called Contract, which Contract is incorporated herein by reference and made a part hereof.

NOW THEREFORE, the condition of this obligation is such that:

If the Principal shall promptly and faithfully perform, and fully complete the Contract in strict accordance with the terms of the Contract as said Contract may be modified or amended from time to time; then this obligation shall be void; otherwise to remain in full force and effect.

Surety to this Bond hereby stipulates and agrees that no changes, extensions of time, alterations, or additions to the terms of the Contract, including the work to be performed thereunder, and the specifications or drawings accompanying same, shall in any way affect its obligation on this bond, and it does hereby waive notice of any such changes, extensions of time, alterations, or additions, and agrees that they shall become part of the Contract. The Surety agrees that modifications and changes to the terms and conditions of the Contract that increase the total amount to be paid to the Principal shall automatically increase the obligation of the Surety on this bond by the amount of the increase and notice to Surety is not required for such increased obligation.

In the event of Default by the Principal, of the obligations under the Contract, then after written Notice of Default from the Obligee to the Surety and the Principal and subject to the limitation of the penal sum of this bond, Surety shall remedy the Default, or take over the work to be performed under the Contract and complete such work, or pay moneys to the Obligee in satisfaction of the surety's performance obligation on this bond.

Signed this _____ day of _____ , _____ .

(Seal)

_____
Name of Principal (Contractor)

*_____
Signature

_____
Title

(Seal)

_____
Name of Surety

*_____
Signature

_____
Title

APPROVED AS TO FORM:

_____
Judiciary Staff Attorney

*ALL SIGNATURES MUST BE ACKNOWLEDGED
BY A NOTARY PUBLIC

(LABOR AND MATERIAL PAYMENT BOND - SURETY)

KNOW TO ALL BY THESE PRESENTS:

That _____ ,
(Full Legal Name and Street Address of Contractor)

as Contractor, hereinafter called Principal, and _____

_____
(Name and Street Address of Bonding Company)

as Surety, hereinafter called Surety, a corporation(s) authorized to transact business as a surety in the State of Hawaii, are held and firmly bound unto the _____ ,
(State/County Entity)

its successors and assigns, hereinafter called Obligee, in the amount of _____

_____
DOLLARS ($ _____), to which payment Principal and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the above-bound Principal has entered into a Contract with Obligee dated _____ for:

_____

_____
JUDICIARY JOB NO.:
_____
hereinafter called Contract, which Contract is incorporated herein by reference and made a part hereof.

NOW THEREFORE, the condition of this obligation is such that if the Principal shall promptly make payment to any Claimant, as hereinafter defined, for all labor and materials supplied to the Principal for use in the performance of the Contract, then this obligation shall be void; otherwise to remain in full force and effect.

1. Surety to this Bond hereby stipulates and agrees that no changes, extensions of time, alterations, or additions to the terms of the Contract, including the work to be performed thereunder, and the specifications or drawings accompanying same, shall in any way affect its obligation on this bond, and it does hereby waive notice of any such changes, extensions of time, alterations, or additions, and agrees that they shall become part of the Contract. The Surety agrees that modifications and changes to the terms and conditions of the Contract that increase the total amount to be paid to the Principal shall automatically increase the obligation of the Surety on this bond

by the amount of the increase and notice to Surety is not required for such increased obligation.

2. A "Claimant" shall be defined herein as any person who has furnished labor or materials to the Principal for the work provided in the Contract.

Every Claimant who has not been paid amounts due for labor and materials furnished for work provided in the Contract may institute an action against the Principal and its Surety on this bond at the time and in the manner prescribed in Section 103D-324, Hawaii Revised Statutes, and have the rights and claims adjudicated in the action, and judgment rendered thereon; subject to the Obligee's priority on this bond. If the full amount of the liability of the Surety on this bond is insufficient to pay the full amount of the claims, then after paying the full amount due the Obligee, the remainder shall be distributed pro rata among the claimants.

Signed this _____ day of _____ , _____ .

(Seal)

_____
Name of Principal (Contractor)

*
_____
Signature

_____
Title

(Seal)

_____
Name of Surety

*
_____
Signature

_____
Title

APPROVED AS TO FORM:

_____
Judiciary Staff Attorney

*ALL SIGNATURES MUST BE ACKNOWLEDGED BY A NOTARY PUBLIC

Attachment 2

CERTIFICATION OF COMPLIANCE
FOR
EMPLOYMENT OF STATE RESIDENTS
HRS 103B

Project Title: _____

Agency Project No: _____

Contract No.: _____

As required by Hawaii Revised Statutes 103B – Employment of State Residents on Construction Procurement Contracts, I hereby certify under oath, that I am an officer of _____ and for the Project Contract indicated above, _____ was in compliance with HRS 103B by employing a workforce of which not less than eighty percent are Hawaii residents, as calculated according to the formula in the solicitation, to perform this Contract.

(Name of Contractor or Subcontractor Company)

(Name of Contractor or Subcontractor Company)

☐ I am an officer of the **Contractor** for this contract.

☐ I am an officer of a **Subcontractor** to this contract.

CORPORATE SEAL

_____
(Name of Company)

_____
(Signature)

_____
(Print Name)

_____
(Print Title)

Subscribed and sworn to me before this _____ day of _____, 2010.

Doc. Date:_____# of Pages___1st Circuit
Notary Name: _____
Doc. Description: _____
_____
_____

_____
Notary Public, 1st Circuit, State of Hawaii
My commission expires: _____

_____
Notary Signature Date
NOTARY CERTIFICATION

STATE OF HAWAII
JUDICIARY

CHANGE ORDER NO.:

DATE:

ISSUED BY THE STATE OF HAWAII, JUDICIARY

PROJECT TITLE:

PROJECT ID:

CONTRACT NO.:

CONTRACTOR:

A. CHANGES

The following changes are to be performed in accordance with the contract (specifications, drawings, special provisions, etc.). The adjustments made in Section B and C below include all adjustments to contract price and time for the work described; including, but not limited to all home office and field overhead, related delay cost and time impacts, and profit.

B. ADJUSTMENTS TO CONTRACT PRICE AND TIME

The change described in Section A above will be performed at

a contract price ☐ **increase** ☐ **decrease** **of $** **and a contract time** ☐ **extension** ☐ **reduction** **of** **c.d.**

Our authorized signature makes this a "supplemental agreement" and represents acceptance of all of the terms, conditions, and adjustments to contract price and time for the work described above; including, but not limited to all home office and field overhead, related delay cost and time impact and profit.

NAME	TITLE	DATE

C. STATEMENT OF CONTRACT FUNDS AND CONTRACT TIME

Original Contract Price		Notice to Proceed Date:	
Previous Adjusted Contract Price:		Original Contract Time:	c.d.
Amount this Change		Original Completion Date:	
	Plus	Previous Time Extensions Allowed	c.d.
	Minus	Time Extensions Allowed This Change	c.d.
		Non-working Days Allowed to Date:	c.d.
New Adjusted Contract Price		New Contract Completion Date:	

D. VALIDATION OF CHANGE ORDER

APPROVAL RECOMMENDED:

FISCAL OFFICER	DATE

*** APPROVED AS TO FORM:**

JUDICIARY STAFF ATTORNEY	DATE

**Judiciary Staff Attorney approval is only necessary in the event of a price increase.*

APPROVED:

ADMINISTRATIVE DIRECTOR	DATE

JUD – CHANGE ORDER FORM

END OF SECTION

SECTION 00800 - SPECIAL CONDITIONS

PART 1 - GENERAL

1.01 GENERAL CONDITIONS

A. As specified in SECTION 00700 - GENERAL CONDITIONS: The *GENERAL CONDITIONS* and these *SPECIAL CONDITIONS* shall govern all work specified in all Divisions and Sections.

B. Revisions to the *GENERAL CONDITIONS*: The following conditions included in this paragraph 1.01 B. and subparagraphs shall govern respective items in the published *INTERIM GENERAL CONDITIONS 1999 Edition* and in SECTION 00700 - GENERAL CONDITIONS, paragraph entitled REVISIONS TO THE GENERAL CONDITIONS.

1. Under ARTICLE 1 - DEFINITIONS, add new section 1.76:

   "**1.76 ACCEPTED EQUIVALENT** - Whenever this term is used in the drawings or specification, it shall be interpreted to mean a brand or article in accordance with Section 6.3 SUBSTITUTION OF MATERIALS AND EQUIPMENT, that may be used in place of the one specified."

2. Under ARTICLE 5 - CONTROL OF WORK delete subsection 5.12.4 - Subcontracting and replace it with the following:

   "**5.12.4 Subcontracting** - Contractor shall perform with its own organization, work amounting to not less than 10% of the total contract cost, exclusive of cost for materials and equipment the Contractor purchases for installation by its subcontractors, except that any items designated by the State in the contract as "specialty items" may be performed by a subcontract and the cost of any such specialty items so performed by the subcontract may be deducted from the total contract cost before computing the amount of work required to be performed by the Contractor with its own organization."

1.02 SUBMITTAL DATES FOR CLARIFICATIONS

A. Written requests must be received no later than 4:30 p.m., fourteen calendar days prior to bid opening.

1.03 PROJECT CONTACT PERSON AND JUDICIARY CONTACTS

A. Project Contact – (To be assigned upon Notice to Proceed)

B. The Judiciary Contact - For questions or clarifications on the plans and specifications during bidding, offerors must submit in the HIePRO system using “QUESTIONS AND CLARIFICATIONS” form found at the end of this section. For general questions on the procurement requirements or processes call by telephone.

Purchasing Specialist, Contracts and Purchasing

NAME:	Luzviminda Abad
EMAIL ADDRESS:	luzviminda.b.abad@courts.hawaii.gov
TELEPHONE NUMBER:	(808)538-5805

C. Project Coordinator

NAME:	Ka‘ili Soon
POSITION:	Facilities Manager
TELEPHONE NUMBER:	(808)539-4005
EMAIL ADDRESS:	kaili.b.soon@courts.hawaii.gov

D. Websites:

Judiciary web site:	http://www.courts.state.hi.us
HIePRO web site:	https://hiepro.ehawaii.gov/welcome.html

E. Contacts During Construction: Address and Process Correspondence through Project Coordinator

1.04 LIQUIDATED DAMAGES

A. In accordance with the *GENERAL CONDITIONS*, Article 7 - PROSECUTION AND PROGRESS, Section 7.26, FAILURE TO COMPLETE THE WORK ON TIME, upon failure to complete the work or any portion of the work within the time or times fixed in the contract or extension thereof, the Contractor shall pay liquidated damages to the State, in the amount of $189.00 per calendar day of delay.

B. In accordance with the *GENERAL CONDITIONS*, Article 7 - PROSECUTION AND PROGRESS, Section 7.32, PROJECT ACCEPTANCE DATE; upon failure to correct punch list deficiencies, within the time or times fixed in the contract or extension thereof, the Contractor shall pay liquidated damages to the State, in the amount equal to 10 percent of the liquidated damages, per calendar day of delay.

C. In accordance with the *GENERAL CONDITIONS*, Article 7 - PROSECUTION AND PROGRESS, Section 7.33, FINAL SETTLEMENT OF CONTRACT; upon failure to submit closing documents within the time or times fixed in the contract or extension thereof, the Contractor shall pay liquidated damages to the State, in the amount equal to five percent of the liquidated damages, per calendar day of delay.

1.05 SPECIALTY CONTRACTOR’S AND SUBCONTRACTOR’S LICENSE

A. Contractor shall be solely responsible to assure that all the specialty licenses required to perform the work are covered by the Contractor or its Subcontractor(s) or joint Contractors.

1.06 WORKING HOURS

A. The regular working hours for this project are from **5:00 PM to 6:30 AM Monday through Friday,** excluding State Holidays, unless otherwise noted or restricted under SECTION 01100 - PROJECT REQUIREMENTS. In the event of conflict, the working hours provisions of specification SECTION 01100 - PROJECT REQUIREMENTS shall govern over this item 1.06.

B. The Contractor may be given approval to work beyond the regular hours including Saturdays, Sundays, State Holidays, night work, or after hours under the provisions of the GENERAL CONDITIONS, Article 7 - PROSECUTION AND PROGRESS, Section 7.10, OVERTIME AND NIGHT WORK and under specifications SECTION 01100 - PROJECT REQUIREMENTS.

1.07 REPORTS (Not Used)

1.08 SPECIFIC PROJECT REQUIREMENTS

A. Permits - not required for this project; therefore, the Contractor is not responsible to pay for or obtain these permits.

B. The Contractor shall **include the cost of Sheriff(s)** required for its operations in order to complete the work specified within the contract duration in its bid price.

PART 2 – PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION

QUESTIONS AND CLARIFICATIONS

PROJECT NAME: Kaʻahumanu Hale

PROJECT TITLE: Roof Leak Mitigation

JUDICIARY JOB NO.: 1JC-26-1-0200

PROJECT CONTACT: Kaʻili Soon

BID OPENING DATE: May 20, 2026 (This request must be received no less than 14 days prior to bid opening)

PERSON MAKING REQUEST: _____

COMPANY: _____

TELEPHONE NO.: _____ E-MAIL: _____

QUESTION OR CLARIFICATION (Be specific and list drawing/detail and specification section or paragraph that requires attention. Attach additional pages as necessary. Offerors must submit questions in writing through the HIePRO system.

HIEPRO web site: https://hiepro.ehawaii.gov/welcome.html

DIVISION 1 - GENERAL REQUIREMENTS

SECTION 01100 - PROJECT REQUIREMENTS

PART 1 - GENERAL

1.01 WORK COVERED BY CONTRACT DOCUMENTS

A. Project Identification: Project consists of structural retrofits of the parking structure.
   1. Project Location: Ka‘ahumanu Hale, 777 Punchbowl St, Honolulu, Oahu, Hawaii 96813. Tax Map Key: 2-1-030:003

B. The work generally consists of preparation and restoration of the existing low-slope roofing system at the Ka‘ahumanu Hale main roof and associated elevator machine room roof areas by means of a fluid-applied membrane roof system. Work shall include removal of loose and deteriorated materials; localized removal and replacement of damaged or moisture-compromised roof membrane and substrate where required; thorough cleaning of the existing roof surface to receive the new system; and installation of a reinforced fluid-applied membrane in accordance with the manufacturer’s requirements to provide a continuous, fully adhered, watertight roofing membrane.

   The work further includes treatment of all roof penetrations, drains, curbs, equipment supports, vertical transitions, and existing flashing conditions; installation of new or supplemental flashing and reinforcement fabric at these locations; restoration of deteriorated or improperly terminated flashing conditions; and corrective measures to improve positive drainage at localized ponding areas where feasible within the limits of the existing structure.

   Work at the elevator machine room roofs and similar roof projections shall include full integration of these areas into the fluid-applied system to provide a continuous and monolithic waterproofing assembly.

   Portions of the work may be performed during regular business hours of Monday through Friday, 7:45 a.m. to 4:30 p.m., provided such activities do not generate noise, vibration, fumes, or odors that would disrupt court operations in the occupied spaces below. Work that produces noise, odor, or other disturbances shall be performed outside of normal business hours in strict coordination with the Judiciary and in accordance with Section 01100 – PROJECT REQUIREMENTS.

C. Perform operations and furnish equipment, fixtures, appliances, tools, materials, related items and labor necessary to execute, complete and deliver the Work as required by the Contract Documents.

D. The Division and Sections into which these specifications are divided shall not be considered an accurate or complete segregation of work by trades. This also applies to work specified within each section.

E. Contractor shall not alter the Drawings and Specification. If an error or discrepancy is found, notify the Contracting Officer.

F. Specifying of interface and coordination in the various specification sections is provided for information and convenience only. These requirements in the various sections shall complement the requirements of this Section.

1.02 SPECIFICATION FORMATS AND CONVENTIONS

A. Specification Content: The Specifications use certain conventions for the style of language and the intended meaning of certain terms, words, and phrases when used in particular situations. These conventions are as follows:

1. Abbreviated Language: Language used in the Specifications and other Contract Documents is abbreviated and include incomplete sentences. Omission of words or phrases such as “the Contractor shall”, “as shown on the drawings”, “a”, “an”, and “the” are intentional. Omitted words and phrases shall be provided by inference to form complete sentences. Words and meanings shall be interpreted as appropriate. Words implied, but not stated, shall be inferred, as the sense requires. Singular words shall be interpreted as plural, and plural words shall be interpreted as singular where applicable as the context of the Contract Documents indicates. Where devices, or items, or parts thereof are referred to in the singular, it is intended that such reference shall apply to as many such devices, items or parts as are required to properly complete the Work.

2. Imperative mood and streamlined language are generally used in the Specifications. Requirements expressed in the imperative mood are to be performed by Contractor. Occasionally, the indicative or subjunctive mood may be used in the Section Text for clarity to describe responsibilities that must be fulfilled indirectly by Contractor or by others when so noted.
    a. The words “shall”, “shall be”, or “shall comply with”, depending on the context, are implied where a colon (:) is used within a sentence or phrase.

3. Abbreviations and Acronyms for Industry Organizations: Where abbreviations and acronyms are used in Specifications or other Contract Documents, they shall mean the recognized name of the entities indicated in Gale Research’s “Encyclopedia of Associations” or in Columbia Books’ “National Trade & Professional Associations of the U.S.”.

B. Terms
1. Directed: Terms such as “directed”, “requested”, “authorized”, “selected”, “approved”, “required”, and “permitted” mean directed by Contracting Officer, requested by Contracting Officer, and similar phrases.

2. Indicated: The term “indicated” refers to graphic representations, notes, or schedules on drawings or to other paragraphs or schedules in specifications and similar requirements in the Contract Documents. Terms such as “shown”, “noted”, “scheduled”, and “specified” are used to help the user locate the reference.

3. Furnish: The term “furnish” means to supply and deliver to project site, ready for unloading, unpacking, assembly, and similar operations.

4. Install: The term “install” describes operations at project site including unloading, temporarily storing, unpacking, assembling, erecting, placing, anchoring, applying, working to dimension, finishing, curing, protecting, cleaning, and similar operations.

5. Provide: The terms “provide” or “provides” means to furnish and install, complete and ready for the intended use.

6. Submit: Terms such as “submit”, “furnish”, “provide”, and “prepare” and similar phrases in the context of a submittal, means to submit to the Contracting Officer.

C. Industry Standards
1. Applicability of Standards: Unless the Contract Documents include more stringent requirements, applicable construction industry standards have the same force and effect as if bound or copied directly into the Contract Documents to the extent referenced. Such standards are made a part of the Contract Documents by reference.

2. Publication Dates: Comply with standards in effect as of date of the Contract Documents, unless otherwise indicated.

3. Conflicting Requirements: If compliance with 2 or more standards is specified and the standards establish different or conflicting requirements for minimum quantities or quality levels, comply with the most stringent requirement. Refer uncertainties and requirements that are different, but apparently equal, to Contracting Officer for a decision before proceeding.

1.03 CONTRACT

A. Refer to SECTION 00800 - SPECIAL CONDITIONS for other contract conditions.

B. Construction Window: (NOT USED)

1.04 USE OF PREMISES AND WORK RESTRICTIONS

A. General: The Contractor is notified that the entire building will generally remain operational throughout the entire duration of the project.

B. Contractor's use of premises is restricted as follows:

1. Construction Times and Schedule:

   Portions of the work may be performed during regular business hours of Monday through Friday, 7:00 a.m. to 4:30 p.m., provided such activities do not generate noise, vibration, fumes, or odors that would disrupt court operations in the occupied spaces below. Work that produces noise, odor, or other disturbances shall be performed outside of normal business hours in strict coordination with the Judiciary and in accordance with Section 01100 – PROJECT REQUIREMENTS.

   a. Maintain access to the Loading area through Project Contract Limits.

2. Sanitation:
   a. The contractor must provide their own toilet facilities at no additional cost to the Judiciary.

3. Noise and Dust Control:
   a. In adjacent locations surrounding the project site, noise, dust and other disrupting activities, resulting from construction operations, are detrimental to the conduct of Judicial activities. Therefore, Contractor shall monitor its construction activities. Exercise precaution when using equipment and machinery to keep the noise and dust levels to a minimum.

   b. To reduce loud disruptive noise levels, and when pre-authorized for use, ensure mufflers and other devices are provided on equipment with internal combustion engines and compressors.

   c. Schedule construction activities that create excessive noise and dust problems, such as concrete coring, drilling, hammering, trenching, and demolition, for the weekends, holidays or non-business hours. Overtime costs for the Contractor's employees and work force are the Contractor's responsibility.

4. Other Conditions:
   a. Arrange for construction debris and trash to be removed from project site weekly.

b. Operate machinery and equipment with discretion and with minimum interference to driveways and walkways. Do not leave machinery and equipment unattended on roads and drivewaysStore materials in the areas as designated by the Contracting Officer. Locate construction equipment, machinery, equipment and supplies within the Project Contract Limits.

c. Keep access roads, to the project site free of dirt and debris. Provide, erect and maintain lights, barriers, signs, etc. when working on roads, driveways and walkways to protect pedestrians and moped/bicycle riders. Obey traffic and safety regulations.

d. All smoking and vaping activities within construction limits on all Judiciary construction sites, indoor or outdoor, are prohibited. Violations will be considered a contractual noncompliance by the general contractor.

C. Security Provisions:

1. Security Clearances:

a. After award and before commencement of any work on The Project, Contractor shall comply with security clearance requirements for those employees assigned to work at The Project site. The Contractor will notify the Project Manager of any changes to its employees and/or agents assigned to work at The Project site. Workers shall not enter the jobsite until receipt of clearance is obtained from the Contracting Officer. Workers found on the site without proper clearance will be removed immediately. Worker lists may be transmitted to Project Contact via facsimile at **(808) 539-4402** during normal operational hours. For privacy reasons do not use email to transmit this information. Note that it may take up to two weeks lead time before workers receive clearance.

2. Sheriff Oversight:

a. All movements of the Contractor's employees into, within, and when exiting the building will be subject to control by the Sheriff's Division. The Contractors, his agents or employees shall be subject to personal search whenever the Sheriff's Division deems such action necessary for the safety of the building. This shall also include the inspection of lunch boxes, toolboxes, clothing and equipment. Introduction or possession of weapons, narcotics, alcoholic beverages, or contraband to the project site is prohibited.

b. When work is performed outside the normal operating hours of the Judiciary (or Users operations), only a single entry to the building will be permitted and a Special Duty Officer (Deputy Sheriff) shall be stationed at this entrance throughout the period that it is open. Contact and arrange for this requirement with the State of Hawaii, Department of Law Enforcement, Special Duty enrollment website portal "RollKall" at the following URL: https://go.rollkall.com/hawaii-pd-hire-an-officer . Make arrangements at least 48 hours before security personnel are required. Special Duty Officer charges as of the month and year of these specifications, are $50.00 per hour or fraction thereof (minimum of quarter hour increments), for a

minimum of 4 hours. If the situation requires more Sheriffs, each additional Sheriff will be paid at the same hourly rate. A Sergeant at an hourly rate of $55.00 will be required for every four Sheriffs. If the Sheriff's office receives less than 12 hours' notice for cancellation of scheduled security services, a minimum of four hours per Sheriff will be assessed to the requester. " RollKall" may assess an administrative fee of approximately $50.00 separate from the fee for the special duty personnel. Pay for Special Duty Officer's (Sheriff Deputy) and any administrative fees are considered part of the contract amount. **Hourly rates shown above were as of June, 2023. It is the bidders responsibility to confirm current rates and fees. Contact the enrollment website portal for current sheriff rates.** No additional compensation will be given for any rate increased that come into effect after award of contract.

c. Payment shall be made to the Special Duty Officer, via the enrollment website portal "RollKall". Contact the Sheriff's Office under the local jurisdiction of the project building should you need additional information:
   (1) First Circuit: (808) 539-4599
   (2) Second Circuit: (808) 244-2900
   (3) Third Circuit: (808) 933-8833
   (4) Fifth Circuit: (808) 482-2470

Note that the Sheriff's Offices do not possess keys for access to the building. The Contractor must make arrangements with the Project Contact to provide keys or the means for access to the building during the Project period.

3. Tool, Material and Equipment Controls:
   a. All hand tools, cables, ropes and other implements shall be transported and retained, except when in use, in approved, locked toolboxes. At all times, tools shall be subject to inventory by the Sheriff's Deputies. During the progress of the work, care shall be taken that no tool is left unguarded or unattended at any time. It is an urgent matter that missing tools, equipment, etc. be reported immediately to those in authority. Material and equipment shall be brought into the work area through entrance as approved by those in authority and shall be carried to and stored in limited areas as approved. Introduction or possession of weapons, narcotics, alcoholic beverages, or contraband to the project site is prohibited.

   b. Explosives, explosive devices or any equipment associated with a system that could be used as an explosive shall not be allowed.

   c. Explosives, explosive devices or any equipment associated with a system that could be used as an explosive shall not be allowed.

4. Exterior Openings, Scaffolding, Ladders, Temporary Enclosures, Staging, Lifting and Safety Devices:
   a. Ensure that there are no openings in the walls/windows, roofs/doors of the building where unlawful entry in the building is possible. All exterior openings which have been opened for construction shall be securely closed at the end of the Contractor's workday, unless otherwise directed by the Judiciary. Scaffolding, ladders and other equipment used for vertical access may remain but must be properly secured to prevent unauthorized access at the end of each day's work provided that pedestrian access is not

obstructed.

1.05 WORK UNDER OTHER CONTRACTS

A. Cooperation with Other Work:

1. The Judiciary may execute a separate contract for certain construction or services at the project site. Cooperate fully with separate Contractors so work on those contracts may be carried out smoothly, without interfering with or delaying work under this contract.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION (NOT USED)

END OF SECTION

SECTION 01310 - PROJECT MANAGEMENT AND COORDINATION

PART 1 - GENERAL

1.01 SUMMARY

A. This Section includes administrative provisions for coordinating construction operations on Project including, but not limited to, the following:
   1. General project coordination procedures.
   2. Project meetings.

1.02 PERFORMANCE AND COORDINATION

A. Contractor is in charge of the Work within the Project Contract Limits, and shall direct and schedule the Work. Include general supervision, management and control of the Work of this project, in addition to other areas more specifically noted throughout the Specifications. Final responsibility for performance, interface, and completion of the Work and the Project is the Contractor's.

B. The Contractor is responsible for jobsite Administration. Provide a competent superintendent on the job and provide an adequate staff to execute the Work. In addition, all workers shall dress appropriately and conduct themselves properly at all times. Loud abusive behavior, sexual harassment and misconduct will not be tolerated. Workers found in violation of the above shall be removed from the job site as directed by the Contracting Officer.

C. The State will hold the Contractor liable for all the acts of Subcontractors and shall deal only with the Prime Contractor in matters pertaining to other trades employed on the job.

D. Coordination: Provide project interface and coordination to properly and accurately bring together the several parts, components, systems, and assemblies as required to complete the Work pursuant to the GENERAL CONDITIONS and SPECIAL CONDITIONS.
   1. Provide interface and coordination of all trades, crafts and subcontracts. Ensure and make correct and accurate connections of abutting, adjoining, overlapping, and related work. Provide anchors, fasteners, accessories, appurtenances, and incidental items needed to complete the Work, fully, and correctly in accordance with the Contract Documents.

   2. Provide additional structural components, bracing, blocking, miscellaneous metal, backing, anchors, fasteners, and installation accessories required to properly anchor, fasten, or attach material, equipment, hardware, systems and assemblies to the structure.

   3. Provide excavation, backfilling, trenching and drilling for trades to install their work.

4. Provide concrete foundations, pads, supports, bases, and grouting for trades as needed to install their work.

5. Provide caulking, sealing, and flashing as required to waterproof the building complete and as required to insulate the building thermally and acoustically. Include sealing, flashing, and related work as required to prevent moisture intrusion, air infiltration, and light leakage.

6. Equipment, appliances, fixtures, and systems requiring plumbing and mechanical services, rough-in, and connections, or other utilities and services shall be provided with such services, rough-in, and final connections.

7. Equipment, appliances, fixtures, hardware, and systems requiring electrical services shall be provided with such electrical services, including outlets, switches, overload protection, interlocks, panelboard space, disconnects, circuit breakers, and connections.

8. Materials, equipment, component parts, accessories, incidental items, connections, and services required to complete the Work which are not provided by Subcontractors shall be provided by the Contractor.

9. Coordination: Coordinate construction operations included in various Sections of the Specifications to ensure efficient and orderly installation of each part of the Work. Coordinate construction operations, included in different Sections, that depend on each other for proper installation, connection, and operation.

1.03 COOPERATION WITH OTHER CONTRACTORS

A. The State reserves the right at any time to contract for or otherwise perform other or additional work within the Project Contract Limits. The Contractor of this project shall to the extent ordered by the Contracting Officer, conduct its work so as not to interfere with or hinder the progress or completion of the work performed by the State or other Contractors.

1.04 COORDINATION WITH OTHER PRIME CONTRACTORS

A. Multiple prime Contractors performing work under separate agreements with the Judiciary may be present near the project location, adjacent to and abutting the Project Contract Limits. This Contractor shall coordinate activities, sequence of work, protective barriers and any and all areas of work interfacing with other Prime Contractor's work. Contractor shall provide a continuity of finishes, walks, landscape, etc. at abutting Contract Limits so no additional work will be required. Any damage to other Prime Contractor's Work committed by this Contractor (or its Subcontractor) shall be repaired promptly at no additional cost to the Judiciary.

B. Coordinate Subcontractors and keep them informed of any work from the other Projects that may affect the site or the Subcontractor's work. If the Contractor has any questions regarding its coordination responsibilities or needs clarification

as to the impact in scheduling of its work and the work of other projects, this Contractor shall notify the Project Coordinator in writing.

C. Subject to approval by the Project Coordinator, this Contractor shall amend and schedule its work and operations to minimize disruptions to the work and operations of other projects.
   1. Relocate or remove and replace temporary barriers, fencing supports or bracing to allow work by others to proceed unimpeded. Do not remove required barriers supporting work until specified time or as approved by the Project Coordinator. This does not relieve the Contractor of the responsibility of proper coordination of the work. If directed by the Project Coordinator leave in place any temporary barriers.

   2. Coordinate work that abuts or overlaps work of the other projects with the Project Coordinator and other Prime Contractors to mutual agreement so that work is 100 percent complete with continuity of all materials, systems and finishes.

   3. When directed by the Project Coordinator, provide access into the construction zone to allow the other project's Contractor(s) to perform their Work and work that must be interfaced.

   4. Contractor shall adjust and coordinate its Work and operations as required by the other projects as part of the Work of this contract without additional cost or delay to the State.

   5. When directed by the Project Coordinator provide a combined Contractor's construction schedule.

D. Other Contracts: If known, they are listed in SECTION 01100 - PROJECT REQUIREMENTS.

1.05 SUBMITTALS

A. Photo Documentation: Prior to the start of jobsite work, the Contractor shall photo document the existing conditions at the site and file with the Project Coordinator one complete set of documents.

1.06 PROJECT MEETINGS

A. General: Schedule and conduct meetings and conferences as directed by the Project Coordinator, unless otherwise indicated.
   1. Attendees: Inform participants and others involved, and individuals whose presence is required, of date and time of each meeting. Notify Project Coordinator of scheduled meeting dates and times.

   2. Agenda: Work with the Project Coordinator to prepare the meeting agenda. Distribute the agenda to all invited attendees.

3. Minutes: Contractor record significant discussions and agreements achieved. Distribute the meeting minutes to everyone concerned, including Project Coordinator, within 7 days of the meeting.

B. Preconstruction Conference: Project Coordinator shall schedule a preconstruction conference before the start of construction, at a time convenient to the Project Coordinator, but no later than 7 days before the Project start date or jobsite start date whichever is later. Conference will be held at the Project site or another convenient location. The Project Coordinator shall conduct the meeting to review responsibilities and personnel assignments.
   1. Attendees: At the discretion Project Coordinator the following may be invited: design consultants; facility users; contractor and its superintendent; major subcontractors; and other concerned parties shall be invited to attend the conference. All participants at the conference shall be familiar with the Project and authorized to conclude matters relating to the work.

   2. Agenda: Discuss items of significance that could affect progress, including the following:
      a. Tentative construction schedule.
      b. Phasing.
      c. Critical work sequencing and coordination.
      d. Designation of responsible personnel.
      e. Use of the premises.
      f. Responsibility for temporary facilities and controls.
      g. Parking availability.
      h. Office, work, and storage areas.
      i. Equipment deliveries and priorities.
      j. First aid.
      k. Security.
      l. LEED Requirements (for LEED Projects only) such as:
         1. Construction Waste Management and recycling
         2. Commissioning
         3. Recordkeeping, submittals, etc.
      m. Progress cleaning.
      n. Working hours.

C. Progress Meetings: Conduct progress as determined by the Project Coordinator.
   1. Attendees: In addition to Project Coordinator, each Contractor, Subcontractor, supplier, and other entity concerned with current progress or involved in planning, coordination, or performance of future activities shall be represented at these meetings. All participants at the meeting shall be familiar with Project and authorized to conclude matters relating to the Work.

   2. Agenda: Review minutes of previous progress meetings. Review other items of significance that could affect progress. Include topics for discussion as appropriate to status of Project.
      a. Contractor's Construction Schedule: Review progress since the last meeting.

      b. Review present and future needs of each entity present, including the following:
         1) Outstanding Requests for information (clarification).
         2) Interface requirements.
         3) Sequence of operations.
         4) Status of outstanding submittals.
         5) Deliveries.
         6) Off-site fabrication.
         7) Access.
         8) Site utilization.
         9) Temporary facilities and controls.
         10) Work hours.
         11) Hazards and risks.
         12) Progress cleaning.
         13) Quality and work standards.
         14) Change Orders and Change Proposals.
         15) Documentation of information for payment requests.

      c. Corrective Action Plan: Contractor shall provide a plan of corrective action for any item which is delayed or expected to be delayed, then that item impacts the contractual dates.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION

SECTION 01320 - CONSTRUCTION PROGRESS DOCUMENTATION

PART 1 - GENERAL

1.01 SUMMARY

A. This Section includes administrative and procedural requirements for documenting the progress of construction during performance of the Work, including the following:
   1. Contractor's Construction Schedule.
   2. Submittals Schedule.
   3. Schedule of Prices.
   4. Payment Application.

B. Related Sections include the following:
   1. SECTION 01310 - PROJECT MANAGEMENT AND COORDINATION for preparing a combined Contractor's Construction Schedule.
   2. SECTION 01330 - SUBMITTAL PROCEDURES for submitting schedules and reports.

1.02 DEFINITIONS

A. Activity: A discrete part of a project that can be identified for planning, scheduling, monitoring, and controlling the construction project. Activities included in a construction schedule consume time and resources.
   1. Critical activities are activities on the critical path and control the total length of the project. They must start and finish on the planned early start and finish times.
   2. Predecessor activity is an activity that must be completed before a given activity can be started.

B. CPM: Critical path method, which is a method of planning and scheduling a construction project where activities are arranged based on activity relationships. Network calculations determine when activities can be performed and the critical path of project.

C. Critical Path: The longest continuous chain of activities through the network schedule that establishes the minimum overall Project duration and contains no float.

D. Event: The starting or ending point of an activity.

E. Float: The measure of leeway in starting and completing an activity.

1. Float time is not for the exclusive use or benefit of either the Department or Contractor, but is a jointly owned, expiring Project resource available to both parties as needed to meet schedule milestones and Contract completion date.

2. Free float is the amount of time an activity can be delayed without adversely affecting the early start of the following activity.

3. Total float is the measure of leeway in starting or completing an activity without adversely affecting the planned Project completion date.

F. Schedule of Prices: A statement furnished by Contractor allocating portions of the Contract Price to various portions of the Work and used as the basis for reviewing Contractor's Payment Applications.

1.03 SUBMITTALS

A. Required Submittals: Submit required submittals in PDF format, by Specification Section, within 15 days after award of the contract or upon earlier written instructions from the Project Coordinator.
   1. The listing shall indicate and include the following:
   a. The number of copies required for submittal.
   b. Planned submittal date.
   c. Approval date required by the Contractor.
   d. A space where the "date of submittal" can be inserted.
   e. A space where the "date of approval" can be inserted.
   f. A space where an "action code" can be inserted.

B. Construction Schedule: Submit Construction Schedule, in PDF format, for review within 15 days after the award of the contract or upon earlier written instructions from the Contracting Officer.

C. Schedule of Prices: Submit Schedule of Prices, integrated with the Construction Schedule, in PDF format for review within 15 days after the award of the contract or upon earlier written instructions from the Project Coordinator.
   1. Use the Judiciary's forms for Payment applications.

D. Payment Application: Submit the payment application at earliest possible date and no sooner than the last day of each month after all payroll affidavits, updated submittal registers, and schedules have been submitted.

1.04 COORDINATION

A. Coordinate preparation and processing of schedules and reports with performance of construction activities and with scheduling and reporting of separate Contractors.

B. Construction Schedule: Coordinate Contractor's Construction Schedule with the Schedule of Prices, Submittals Schedule, loaded monthly event activity, and other required schedules and reports.
   1. Secure time commitments for performing critical elements of the Work from parties involved.

2. Coordinate each construction activity in the network with other activities and schedule them in proper sequence.

C. Schedule of Prices: Coordinate preparation of the schedule with preparation of Contractor's Construction Schedule.
   1. Correlate line items in the Schedule of Prices with other required administrative forms and schedules, including the following:
      a. The contractor's Payment Application form and the Construction Progress Report continuation sheet for the event cost estimate per time period.
      b. Submittals Schedule.

PART 2 - PRODUCTS

2.01 SUBMITTALS SCHEDULE

A. Comply with the GENERAL CONDITIONS "SHOP DRAWINGS AND OTHER SUBMITTALS" Article. Furnish required submittals specified in this Section and in the Technical Sections. Submittals include one or more of the following: shop drawings, color samples, material samples, technical data, material safety data information, schedules of materials, schedules of operations, guarantees, certifications, operating and maintenance manuals, and field posted as-built drawings.

B. Preparation: Furnish a schedule of submittals per Project Coordinator.
   1. Coordinate Submittals Schedule with list of subcontracts, the Schedule of Prices, and Contractor's Construction Schedule.

   2. The schedule shall accommodate a minimum of 21 calendar days for the Judiciary's review.

   3. Prepare and submit an updated list to the Project Coordinator at monthly intervals or as directed by the Project Coordinator. The listing shall reflect all approvals received since the last update.

2.02 CONTRACTOR'S CONSTRUCTION SCHEDULE

A. The construction schedule shall be in the form of a progress chart of suitable scale to indicate appropriately the percentage of work scheduled for completion by any given date during the period. The progress chart shall indicate the order in which the Contractor contemplates starting and completing the several features of the work (including acquiring materials, plant, and equipment).

B. Upon completion of the Project Coordinator's review, the Contractor shall amend the schedule as necessary to reflect the comments. If necessary, the Contractor shall participate in a meeting with the Project Coordinator to discuss the proposed schedule and changes required. Submit the revised schedule for review within 7 calendar days after receipt of the comments.

C. Use the reviewed schedule for planning, organizing and directing the work, for reporting progress, and for requesting payment for the work completed. Unless

providing an update, do not make changes to the reviewed schedule without the Project Coordinator's approval.

D. If, in the opinion of the Project Coordinator, the Contractor falls behind the approved schedule, the Contractor shall take steps necessary to improve progress, including those that may be required by the Project Coordinator, without additional cost to the State. The Project Coordinator may require the Contractor to increase the number of shifts, overtime operations, days of work, and to submit for approval any supplemental schedule or schedules in chart form as the Project Coordinator deems necessary to demonstrate how the approved rate of progress will be regained.

E. Update the construction schedule at monthly intervals or when directed by the Project Coordinator to revise the schedule. Reflect any changes occurring since the last update with each invoice for progress payment. Submit copies of the purchase orders and confirmation of the delivery dates as directed. The Project Coordinator's review of the updated schedule is to check that the updated schedule does not alter the construction performance period unless the period was revised through a change order or contract modification.

F. At Contractor's option a PERT chart may be used.

2.03 SCHEDULE OF PRICES

A. Furnish a schedule of prices per Project Coordinator.

B. Provide a breakdown of the Contract Sum in enough detail to facilitate developing and the continued evaluation of Payment Applications. Provide several line items for principal subcontract amounts, or for materials or equipment purchased or fabricated and stored, but not yet installed, where appropriate. Round amounts to nearest whole dollar; total shall equal the Contract Price.

C. Each item in the Schedule of Prices and Payment Application shall be complete. Include total cost and proportionate share of general overhead and profit for each item.

2.04 PAYMENT APPLICATION

A. Use the Schedule of Prices as the Monthly Construction Progress Report. Each Payment Application shall be consistent with previous applications and payments. The Project Coordinator shall determine the appropriateness of each payment application item.

B. Payment Application Times: The date for each progress payment is the last day of each month. The period covered by each Payment Application starts on the first day of the month or following the end of the preceding period and ends on the last day of the month.

C. Updating: Update the schedule of prices listed in the Payment application when Change Orders or Contract Modifications result in a change in the Contract Price.

D. Provide a separate line item for each part of the Work where Payment Application may include materials or equipment purchased or fabricated and stored, but not yet installed.

E. Differentiate between items stored on-site and items stored off-site. Include evidence of insurance or bonded warehousing if required.

F. Provide separate line items for initial cost of materials, for each subsequent stage of completion, and for total installed value of that part of the Work.

G. Payment Application Forms: Use and submit copies of the Payment Application and Construction Progress forms approved by the Judiciary.

H. Application Preparation: Complete every entry and include the "JUD Job No. on. the form. Execute by a person authorized to sign legal documents on behalf of the Contractor.
   1. Entries shall match data on the Schedule of Prices and Contractor's Construction Schedule. Use updated schedules if revisions were made. Include amounts of Change Orders and Contract Modifications issued before last day of construction period covered by application.

I. No payment will be made until the following are submitted each month:
   1. All Daily Reports, in PDF format.
   2. All Payroll Affidavits for work done, in PDF format.

J. Retainage: The Judiciary will withhold retainage in compliance with the GENERAL CONDITIONS.

K. Transmittal: Submit, in PDF format, the signed original Payment Application for processing.

2.05 GENERAL CONTRACTOR AND SUBCONTRACTORS DAILY PROGRESS REPORTS

A. The General Contractor is responsible for submitting the General Contractor and Subcontractor Daily Progress Reports (Daily Reports) for the General Contractor, all subcontractors, and any lower-tier subcontractors.

B. The form of the Daily Reports shall be as directed by the Project Coordinator. A separate report shall be made and submitted for the General Contractor (each calendar day) and each subcontractor (each day worked). The report shall include the following information for each employer: Name of General Contractor or Subcontractor, Report Number, Contract Day (consecutive calendar day from Notice to Proceed (NTP) Date), Date worked, work location and description, number of workers, trade/labor classification, and work hours. For General Contractor, only the Contract Day is required because the Report Number will be the same number.

C. The Daily Reports shall be prepared from the project NTP Date. Daily Reports shall continue to be prepared and submitted up to the Project Acceptance Date. After the Project Acceptance Date, Daily Reports will be submitted for days worked only, and continue to date of Contract Completion Notice. Running Contract Day will stop at Project Acceptance Date.

D. Submit/upload copies of the previous week's reports to the Project Coordinator by 10:00 a.m. of the following Monday.

E. Daily Reports can be handwritten in the field, and shall use the following file naming convention:

F. A sample Daily Progress Report Form can be found at the end of this Section.

PART 3 - EXECUTION (Not Used)

END OF SECTION

THE JUDICIARY, STATE OF HAWAII **DAILY PROGRESS REPORT**	**REPORT NO:**	
	CONTRACT DAY:	
	DATE:	

PROJECT:			
Contractor:		Structural Engineer:	.
Certified by:		Project Coordinator:	
Weather:		Condition:	

WORK PERFORMED TODAY (by General Contractor or Subcontractor)

Work Location & Description	Number (Workers Hours)	Trade/Labor Classification	Hours

Observed Defective Work:

Observed Corrected Work:

Materials and Equipment Delivered Today:

Testing Done Today:

Questions or Problems:

Remarks:

Judiciary Daily Report Form *(Revised 3, 2025)*

SECTION 01330 - SUBMITTAL PROCEDURES

PART 1 - GENERAL

1.01 SUMMARY

A. Comply with the GENERAL CONDITIONS “Shop Drawings and Other Submittals” section and “Material Samples” section.

B. This Section includes administrative and procedural requirements for submitting Shop Drawings, Product Data, Samples, and other miscellaneous submittals.

C. Related Sections include the following:
   1. SECTION 01320 - CONSTRUCTION PROGRESS DOCUMENTATION for submitting schedules and reports, including Contractor’s Construction Schedule and the Submittals Schedule.

   2. SECTION 01770 - CLOSEOUT PROCEDURES for submitting warranties, project record documents and operation and maintenance manuals.

1.02 SUBMITTAL PROCEDURES

A. Coordinate Work and Submittals: Contractor shall certify the submittals were reviewed and coordinated.

B. Submittal Certification: Provide in MS Word when submitting electronically. Project Coordinator will provide an electronic copy of the Submittal Certification. Provide a reproduction (or stamp) of the “Submittal Certification” and furnish the required information with all submittals. Include the certification on:
   1. The title sheet of each shop drawing, or on

   2. The cover sheet of submittals in 8-1/2 inch x 11-inch format, or on

C. Variances: The Contractor shall request approval for a variance. Clearly note any proposed deviations or variances from the Specifications, Drawings, and other Contract Documents on the submittal and also in a separately written letter accompanying the submittal.

D. Submittal Certification Form (stamp or digital)

CONTRACTOR’S NAME: _____

PROJECT: _____

JUDICIARY JOB NO: _____

As the General Contractor, we checked this submittal and we certify it is correct, complete, and in compliance with Contract Drawings and Specifications. All affected Contractors and suppliers are aware of, and will integrate this submittal into their own work.

SUBMITTAL NUMBER _____ DATE RECEIVED _____

REVISION NUMBER _____ DATE RECEIVED _____

SPECIFICATION SECTION NUMBER /PARAGRAPH NUMBER _____

DRAWING NUMBER _____

SUBCONTRACTOR'S NAME _____

SUPPLIER'S NAME _____

MANUFACTURER'S NAME _____

NOTE: DEVIATIONS FROM THE CONTRACT DOCUMENTS ARE PROPOSED AS FOLLOWS (Indicate "NONE" if there are no deviations)

CERTIFIED BY	

Note: Form can be combined with Design Consultant's Review stamp. This is available from the Contracting Officer.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.01 SUBMITTAL REGISTER AND TRANSMITTAL FORM

A. Contractor shall use submittal register and transmittal forms as directed by the Project Coordinator.

B. The listing of required submittals within this Section is provided for the Contractor's convenience. Review the specification technical sections and prepare a comprehensive listing of required submittals. Furnish submittals to the Project Coordinator for review.

C. Contractor shall separate each submittal item by listing all submittals in the following groups with the items in each group sequentially listed by the specification section they come from:
   1. Administrative
   2. Data
   3. Tests
   4. Closing

D. Contractor shall separate all different types of data as separate line items all with the column requirements.

E. Contractor shall send monthly updates and reconciled copies electronically to the Project Coordinator.

Section No. – Title	Shop Drawings & Diagrams	Samples	Certificates (Material, Treatment, Applicator, etc.)	Product Data, Manufacturer's Technical Literature	MSDS Sheets	Calculations	Reports (Testing, Maintenance, Inspection, etc.)	Test Plan	O & M Manual	Equipment or Fixture Listing	Schedules (Project Installation)	Maintenance Service Contract	Field Posted As-Built Drawings	Others	Contractor's Guaranty or Warranty	Manufacturer's Guaranty or Warranty (Greater than one year)
01210 – Allowances														■		
01310 – Project Management and Coordination											■			■		
01320 – Construction Progress Documentation											■			■		
01330 – Submittal Procedures			■											■		
01700 – Execution Requirements														■		
01770 – Closeout Procedures	■								■				■	■	■	
07560 – Fluid-Applied Roofing	■	■	■	■	■	■	■	■						■		■

SECTION 01700 - EXECUTION REQUIREMENTS
PART 1 - GENERAL

1.01 SUMMARY
A. This Section includes general procedural requirements governing execution of the Work including the following:
   1. Construction layout. Field engineering and surveying.
   2. General installation of products.
   3. Progress cleaning.
   4. Starting and adjusting.
   5. Protection of installed construction.
   6. Correction of the Work. Contractor's

B. Related Sections
   1. SECTION 01770 - CLOSEOUT PROCEDURES.

1.02 SUBMITTALS
A. Landfill Receipts: Submit copy of receipts issued by a landfill facility, licensed to accept hazardous materials, for hazardous waste disposal.

1.03 NOTIFICATION
A. Contact the Contracting Officer and the Project Contact Person at least 3 working days prior to starting any onsite work.

1.04 PROJECT AND SITE CONDITIONS
A. Project Contract Limits (Contract Zone Limits) indicate only in general the limits of the work involved. Perform necessary and incidental work, which may fall outside of these demarcation lines. Confine construction activities within the Project Contract Limits and do not spread equipment and materials indiscriminately about the area

B. Disruption of Utility Services: Prearrange work related to the temporary disconnection of electrical and other utility systems with the Project Contact Person listed in SECTION 00800 - SPECIAL CONDITIONS and the Contracting Officer. Unless a longer notification period is required elsewhere in the Contract Documents, notify the Contracting Officer at least 15 days in advance of any interruption of existing utility service. Time and duration of interruptions are subject to the Contracting Officer's approval. Keep the utility interruptions and duration to a minimum so as not to cause inconvenience or hardship to the facility. If temporary electrical or other utility systems hook up is required, provide the necessary services. Pay for temporary services as part of the contract, unless specifically noted otherwise.

C. Disruption of Air Conditioning Services: Coordinate and arrange work related to the temporary disconnection of the air conditioning system with the Contracting Officer. Keep disruptions to a minimum. If temporary power is required, provide services and pay the cost as part of the contract. Schedule any major outage to the air conditioning

system that affects the entire building and lasts 2 hours or more, on weekends or during non regular working hours of the building occupants. Pay for overtime cost as part of the contract.

D. Contractor's Operations - Provide means and methods to execute the Work and minimize interruption or interference to the facility's operations. Rearrange the construction schedule when construction activities result in interruptions that hamper the operations of the facilities.

E. Maintain safe passageway to and from the facility's occupied buildings, rooms and other occupied spaces for the using agency personnel and the public at all times.

F. Contractors, Subcontractors and equipment service companies doing business within the Hawaii Capitol District will be assessed appropriate parking fees whenever parking for more than 5 working days.
   1. Parking stalls will be assigned only to the company vehicles. Check with the Automotive Management Division (Amy Anderson, telephone 984 8212) regarding number and cost of stalls required for the duration of this contract. Each stall will be assessed at the current rate per month as established by the Department's Rules Governing Parking on State Lands. If the Work involved is less than five working days, check with the Automotive Management Division to coordinate parking requirements.

   2. Subject to availability, the Contracting Officer will designate areas to be used by the Contractor other than assigned stalls. Restore any lawn area damaged by construction activities.

1.5 QUALITY ASSURANCE

A. Professional Engineer Qualifications: A professional engineer with a license to practice in Hawaii.

PART 2 – PRODUCTS (NOT USED)

PART 3 – EXECUTION

1.01 EXAMINING THE SITE

A. Contractor and Subcontractors are expected to visit the site and make due allowances for difficulties and contingencies to be encountered. Compare contract documents with work in place. Become familiar with existing conditions, the conditions to be encountered in performing the Work, and the requirements of the drawings and specifications.

B. Verify construction lines, grades, dimensions and elevations indicated on the drawings before any clearing, excavation or construction begins. Bring any discrepancy to the attention of the Officer in charge, and make any change in accordance with the Officer in charge instruction.

C. Obtain all field measurements required for the accurate fabrication and installation of the Work included in this Contract. Verify governing dimensions and examine adjoining work on which the Contractor or Subcontractor's work is in any way dependent. Submit differences discovered during the verification work to the Officer in Charge for

interpretations before proceeding with the associated work. Exact measurements are the Contractor's responsibility.

D. Furnish or obtain templates, patterns, and setting instructions as required for the installation of all Work. Verify dimensions in the field.

E. Contractor shall accept the site and the existing building in the condition that exists at the time access is granted to begin the Work. Verify existing conditions and dimensions shown and other dimensions not indicated but necessary to accomplish the Work.

F. Locate all general reference points and take action to prevent their destruction. Lay out work and be responsible for lines, elevations and measurements and the work executed. Exercise precautions to verify figures and conditions shown on drawings before layout of work.

1.02 SITE UTILITIES AND TONING

A. Cooperate, coordinate and schedule work to maintain construction progress, and accommodate the operations and work of the owners of underground or overhead utility lines or other property in removing or altering the lines or providing new services.

B. Contact all the various utility companies before the start of the work to ascertain any existing utilities and to develop a full understanding of the utility requirements with respect to this Project. Furnish the Contracting Officer with evidence that the utility companies were contacted.

C. Should the Contractor discover the existence and location of utilities in the contract drawings are not correct, do not disturb the utilities and immediately notify the Contracting Officer.

D. Do not disturb or modify any utilities encountered, whether shown or not on the Contract Drawings, unless otherwise instructed in the drawings and specifications or as directed by the Contracting Officer. Repair and restore to pre damaged condition any utilities or any other property damaged by construction activities.

E. Transfer to "Field Posted As Built" drawings the location(s) and depth(s) of new and existing utilities that differ from the Contract Drawings. Locate by azimuth and distance and depth(s) from fixed referenced points.

F. Toning: Prior to the start of grading, or excavation or trenching work verify and confirm the presence, location and depth of existing underground utility lines in the area affected by the project, by "toning" or by other appropriate means acceptable to the Contracting Officer. The intent of this advanced toning is to afford the Contracting Officer an opportunity to identify utility lines that may or may not be shown on the drawings and issue a directive to address the existing conditions.
   1. Perform toning using instruments specifically developed and designed for the detection of underground pipes and cable utilities.

   2. Notify the Contracting Officer 48 hours in advance before toning operations. Provide information on the proposed toning method and other pertinent information.

G. Recording Toning Information: Upon completion of the toning operation, submit drawings that show the location and approximate depth of the existing and newly discovered utility lines. Identify the type of utility lines. Also, identify where utility lines indicated on the drawings are not shown in their approximate location or where new utility lines are found or pointed out in the field.

H. After ascertaining the exact location and depth of utilities within the project area, mark and protect the locations.
   1. Acquaint personnel working near utilities with the type, size, location, depth of the utilities, and the consequences that might result from disturbances.

   2. Do not start trenching or start similar operations until reasonable and appropriate precautions to protect the utilities are taken.

I. For newly identified utility lines, if directed by the Contracting Officer, manually excavate within 2-feet of the utility line to avoid damage. Under this directive, manual excavation is considered additional work.

J. Existing Irrigation Systems: Where work is located in areas with existing irrigation systems, Contractor shall test the existing systems and document all deficiencies prior to any work that may damage the existing systems.

1.03 FIELD MEASUREMENTS

A. Take field measurements to fit and install the Work properly. Where portions of the Work are indicated to fit to other construction, verify dimensions of other construction by field measurements before fabrication. Coordinate fabrication schedule with construction progress.

B. Space Requirements: Verify space requirements and dimensions of items shown diagrammatically on Drawings.

C. Review of Contract Documents and Field Conditions: Submit a Request For Information (RFI) immediately upon discovery of the need for clarification of the Contract Documents. Include a detailed description of problem encountered, together with recommendations for changing the Contract Documents.

1.04 CONSTRUCTION LAYOUT

A. Verification: Before proceeding to lay out the Work, verify layout information shown on Drawings, in relation to existing conditions. If discrepancies are discovered, notify the Contracting Officer promptly.

1.05 FIELD ENGINEERING

A. Reference Points: Locate existing permanent or temporary benchmarks, control points and similar reference points before beginning the Work. Preserve and protect permanent benchmarks and control points during construction operations.
   1. Do not change or relocate existing benchmarks or control points without the Contracting Officer's approval. Report lost or destroyed permanent benchmarks or control points promptly. Report the need to relocate permanent benchmarks or control points to the Contracting Officer before proceeding.

2. Replace lost or destroyed permanent benchmarks and control points promptly. Base all replacements on the original survey control points.

1.06 INSTALLATION

A. Install materials, items, fixtures required by the various Divisions and Sections of the Specifications in accordance with Contract Documents, by workers specially trained and skilled in performance of the particular type of work, to meet guarantee and regulatory agency requirements. Should the specifications be void of installation requirements, install the materials, items, and fixtures in accordance with the manufacturer's current specifications, recommendations, instructions and directions.

1.07 CUTTING AND PATCHING

A. Oversee cutting and patching of concrete, masonry, structural members and other materials where indicated on drawings and as required by job conditions. Unless noted elsewhere in the contract documents, do not cut or patch existing or new structural members without previously notifying the Contracting Officer.

B. Provide patch materials and workmanship of equal quality to that indicated on the drawings or specified for new work.

1.08 CLEANING

A. General: Clean the Project site and work areas daily. Coordinate progress cleaning for joint-use areas where more than one installer has worked. Enforce requirements strictly. Dispose of materials lawfully.
   1. Comply with requirements in NFPA 241 for removal of combustible waste materials and debris.

   2. Do not hold waste more than 7 days unless approved otherwise by the Contracting Officer.

   3. Containerize hazardous and unsanitary waste materials separately from other waste. Mark containers appropriately and dispose of legally, according to regulations.

B. Site: Maintain Project site free of waste materials and debris.

C. Work Areas: Clean areas where work is in progress to the level of cleanliness necessary for proper execution of the Work.
   1. Remove liquid spills promptly.

   2. Where dust would impair proper execution of the Work, broom-clean or vacuum the entire work area, as appropriate.

D. Installed Work: Keep installed work clean. Clean installed surfaces according to written instructions of manufacturer or fabricator of product installed, using only cleaning materials specifically recommended. If specific cleaning materials are not recommended, use only cleaning materials that are not hazardous to health or property and that will not damage exposed surfaces.

E. Concealed Spaces: Remove debris from concealed spaces before enclosing the space.

F. Exposed Surfaces: Clean exposed surfaces and protect as necessary to ensure freedom from damage and deterioration at time of Substantial Completion.

G. Cutting and Patching: Clean areas and spaces where cutting and patching are performed. Completely remove paint, mortar, oils, putty, and similar materials. Thoroughly clean piping, conduit, and similar features before applying paint or other finishing materials. Restore damaged pipe covering to its original condition

H. Waste Disposal: Burying or burning waste materials on-site will not be permitted. Washing waste materials down sewers or into waterways will not be permitted.

I. During handling and installation, clean and protect construction in progress and adjoining materials already in place. Apply protective covering where required to ensure protection from damage or deterioration at Substantial Completion.

J. Clean and provide maintenance on completed construction as frequently as necessary through the remainder of the construction period. Adjust and lubricate operable components to ensure operability without damaging effects.

K. Limiting Exposures: Supervise construction operations to assure that no part of the construction, completed or in progress, is subject to harmful, dangerous, damaging, or otherwise deleterious exposure during the construction period.

1.09 STARTING AND ADJUSTING

A. Start equipment and operating components to confirm proper operation. Remove malfunctioning units, replace with new units, and retest.

B. Adjust operating components for proper operation without binding. Adjust equipment for proper operation.

C. Test each piece of equipment to verify proper operation. Test and adjust controls and safeties. Replace damaged and malfunctioning controls and equipment.

3.10 PROTECTION OF INSTALLED CONSTRUCTION

A. Provide final protection and maintain conditions that ensure installed Work is without damage or deterioration at time of Substantial Completion.

B. Comply with manufacturer’s written instructions to provide proper temperature and relative humidity conditions.

3.11 CORRECTION OF THE WORK

A. Repair or replace defective construction. Restore damaged substrates and finishes. Repairing includes replacing defective parts, refinishing damaged surfaces, touching up with matching materials, and properly adjusting operating equipment.

B. Restore permanent facilities used during construction to their specified condition.

C. Remove and replace damaged surfaces that are exposed to view if surfaces cannot be repaired without visible evidence of repair.

D. Repair defective components that do not operate properly. Remove and replace operating components that cannot be repaired.

Remove and replace chipped, scratched, and broken glass or reflective surfaces

END OF SECTION

SECTION 01715 - EXISTING CONDITIONS - ASBESTOS / LEAD / HAZARDOUS MATERIAL SURVEY

PART 1 - GENERAL

1.01 SUMMARY

A. This section includes the results of the State's survey for **Asbestos, Lead and / or other Hazardous** materials and is provided for the Contractor's information.

B. Related Sections include the following:
   1. SECTION 01700 – EXECUTION REQUIREMENTS

1.02 ASBESTOS

A. The structure or structures to be renovated or demolished under this contract were surveyed for the presence of asbestos-containing materials (ACM), using AHERA, NESHAP or other requirements. A copy of the initial survey report, as well as any subsequent supplemental survey report(s) if performed, are included in this Section.

   1. The report(s) are included, even when no ACM was found, for the Contractor's information. Review the attached report(s) for the basis on which the negative ACM finding was made. Contractor may perform further surveys at its own expense, if ACM not shown in the report(s) is suspected in the areas of the building(s) in which work will be performed. If ACM is found, notify the Contracting Officer immediately. The State will reimburse the Contractor for the testing cost if ACM is found.
   2. If there is ACM outside of the areas in which work will be performed, this ACM shall not be disturbed in any way.

B. If applicable, notify employees, Subcontractors and all other persons engaged on the project of the presence of asbestos in the existing buildings in accordance with the requirements of State of Hawaii: Occupational Safety and Health Administration 29 CFR 1926.1101, Asbestos.

C. In the event work is required in any building or buildings on the site other than the one(s) designated within this project scope, request copies of the asbestos survey report(s) for such building(s) from the Contracting Officer assuming they are available. Based on the information contained in the additional survey(s), notify affected personnel per paragraph 1.02 B. If not available, Contracting Officer and/or DAGS Project Coordinator must decide to perform additional hazardous materials survey as soon as practicable.

1.03 LEAD CONTAINING PAINT

A. Inform employees, Subcontractors and all other persons engaged in the project that lead containing paints (LCP) is present in the existing building(s) and at the job site. Conduct work in accordance with the requirements of Occupational Safety and Health Administration 29 CFR 1926.62 Lead.

B. Review the attached lead testing data which identifies locations where LCP was found and ensure that all workers that need to be involved understand the contents of the report(s) referring to areas in which work is to be performed. Contractor must understand that lead testing was for design purposes only, and the results do not satisfy any of the requirements of Occupational Safety and Health Administration 29 CFR 1926.62 Lead.

PART 2 - PRODUCTS (Not Used)

PART 3 - SURVEY

3.01 ATTACHMENT: SURVEY (Located at the end of these Specifications)

Attached, 797 pages, Dated November 7, 2017 , prepared by EnvironMETeo Services

END OF SECTION

SECTION 01770 - CLOSEOUT PROCEDURES

PART 1 - GENERAL

1.01 SUMMARY

A. This Section includes administrative and procedural requirements for contract closeout, including the following:
   1. Project Record Documents.
   2. Operation and Maintenance Manuals.
   3. Warranties.
   4. Instruction for the Judiciary's personnel.

B. Related documents include the following:
   1. SECTION 01700 - EXECUTION REQUIREMENTS.

1.02 SUBSTANTIAL COMPLETION

A. Preliminary Procedures: Before requesting a Final Inspection to determine Substantial Completion, complete the following items in addition to requirements of Article 7 of the GENERAL CONDITIONS.
   1. Advise the Project Coordinator of pending insurance changeover requirements.
   2. Submit specific warranties, final certifications, and similar documents.
   3. Obtain and submit occupancy permits, operating certificates, and similar releases and access to services and utilities, unless waived by the Project Coordinator.
   4. Arrange to deliver spare parts, extra materials, and similar items to a location designated by the Project Coordinator. Label with manufacturer's name and model number where applicable.
   5. Return any badge or identification card to the Project Coordinator. Make final changeover of permanent locks and deliver keys to the Project Coordinator. Advise the Judiciary's personnel of changeover in security provisions.
   6. Complete startup testing of systems.
   7. Submit test, adjust, and balance records.
   8. Terminate and remove temporary facilities from Project site, along with mockups, construction tools, and similar elements.
   9. Advise the Project Coordinator of changeover in other utilities.

10. Submit changeover information related to the Judiciary's occupancy, use, operation, and maintenance.

11. Complete final cleaning requirements, including touch up painting.

12. Touch up and otherwise repair and restore marred exposed finishes to eliminate visual defects.

13. Submit the O&M Manual(s) for review.

14. Submit Field-Posted As-Builts electronically.

1.03 FINAL COMPLETION

A. Preliminary Procedures: Within 10 days from the Project Acceptance Date, complete the following items in addition to requirements of GENERAL CONDITIONS Article 7 PROSECUTION AND PROGRESS:
   1. Instruct the Judiciary's personnel in operation, adjustment, and maintenance of products, equipment, and systems. Submit demonstration and training media materials.

1.04 LIST OF INCOMPLETE ITEMS (PUNCH LIST)

A. Preparation: Submit in PDF format any updated and action taken list. In addition to requirements of GENERAL CONDITIONS Article 7 PROSECUTION AND PROGRESS, include name and identification of each space and area affected by construction operations for incomplete items and items needing correction including, if necessary, areas disturbed by Contractor that are outside the limits of construction.
   1. Organize list of spaces in sequential order, starting with exterior areas first and proceeding from lowest floor to highest floor.

   2. Organize items applying to each space by major element, including categories for ceiling, individual walls, floors, equipment, and building systems.

   3. Include the following information at the top of each page:
      a. Project Name and Title.
      b. Judiciary Job No.
      c. Date and page number.
      d. Name of Contractor.

1.05 PROJECT RECORD DOCUMENTS AND REQUIREMENTS

A. General:
   1. Definition: "Project Record Documents", including Record Drawings, shall fulfill the requirements of "Field-Posted As-Built Drawings" listed in the GENERAL CONDITIONS.

   2. Do not use Project Record Documents for daily construction purposes. Protect Project Record Documents from deterioration and loss. Provide access to Project Record Documents for Project Coordinator's reference during normal working hours. Maintain these documents as specified in paragraph entitled "Record Drawings" hereinafter.

Maintain these documents as specified in paragraph entitled “Record Drawings” hereinafter.

3. The Designer, under contract with the Judiciary, will update the drawings to show all addendum, PCD, and sketch changes. The Project Coordinator will transmit these drawings to the Contractor who will make all “red-line” corrections to these drawings to record the changes depicted on the Contractor’s Field Posted Record (“As-Builts”) by accepted drafting practices as approved by the Project Coordinator.

4. Where the recorded changes depicted on the Contractor’s Field Posted Record (“As-Builts”) are in the form of shop drawings, the Contractor shall provide those shop drawings electronically on the same sheet size as the drawings transmitted to the Contractor. The new drawing sheets shall be titled and numbered to conform to the construction drawings and clearly indicate what information they supersede in the actual construction drawings. For example a new drawing that replaces drawing M-3, could be numbered M3a.

5. The Contractor shall bring to the attention of the Project Coordinator any discrepancy between the changes made by the Designer and those depicted on addendum, PCD, and sketch changes. The Project Coordinator will resolve any conflicts.

6. Submit final Record Documents (Field Posted Record Drawings) before the Final Inspection Date and no later than the Contract Completion Date, unless the GENERAL CONDITIONS require otherwise.

7. The Contractor shall guarantee the accuracy of its final Record Documents. The State will hold the Contractor liable for costs the Judiciary incurs as a result of inaccuracies in the Contractor’s Record Documents.

8. Prepare and submit construction photographs and electronic files, damage or settlement surveys, property surveys, and similar final record information as required by the Project Coordinator.

9. Deliver tools, spare parts, extra materials, and similar items to a location designated by the Project Coordinator. Label with manufacturer’s name and model number where applicable.

10. Submit Final, corrected O&M Manual(s).

B. Record Drawings:
   1. Maintain a duplicate full-size set as the Field Posted Record (“As-Builts”) Drawings at the job site. Clearly and accurately record all deviations from alignments, elevations and dimensions, which are stipulated on the drawings and for changes directed by the Project Coordinator that deviate from the drawings.

2. Record changes immediately after they are constructed in place and where applicable, refer to the authorizing document (Field Order, Change Order, or Contract Modification). Use red pencil to record changes. Make Field Posted Record Drawings available to the Project Coordinator at any time so that its clarity and accuracy can be monitored and can be countersigned for validity.
   a. Give particular attention to information on concealed elements that cannot be readily identified and recorded later.
   b. Accurately record information in an understandable drawing technique.
   c. Record data as soon as possible after obtaining it. Record and check the markup before enclosing concealed installations.
   d. Mark the contract drawings or the shop drawings, whichever is most capable of showing actual physical conditions, completely and accurately. Where Shop Drawings are marked, show cross-reference on contract drawings.
   e. Mark important additional information that was either shown schematically or omitted from original Drawings.
   f. Locate concealed building utilities by dimension from bench marks or permanent structures. Locate site utilities by dimensions, azimuth and lengths from bench marks or permanent structures.
   g. Note field order numbers, Change Order numbers, Contract Modification numbers, Alternate numbers, post-construction drawing numbers (PCD) and similar identification (RFI numbers) where applicable.
   h. The Contractor shall initial each deviation and each revision marking.

3. Use the final updated Contract Drawing set (including all addenda, PCD, and sketches) plus applicable shop drawings for making the final Field Posted Record Drawings submittal.

4. Certify drawing accuracy and completeness. Label and sign the record drawings or use digital electronic signature as approved by the Project Coordinator.

5. Label the title sheet and on all sheets in the margin space to the right of the sheet number, written from the bottom upward, with the title “FIELD POSTED RECORD DRAWINGS” and certification information as shown below. Provide a signature line and company name line for each subcontractor that will also certify the respective drawing. Adjust size to fit margin space.

   FIELD POSTED RECORD DRAWINGS Certified By: _____ Date: _____
   [Contractor’s Company Name]

6. Revise the Drawing Index and label the set “FIELD POSTED RECORD DRAWINGS”. Include the label “A COMPLETE SET CONTAINS [_____] SHEETS” in the margin at the bottom right corner of each sheet. Quantify the total number of sheets comprising the set.

7. If the Project Coordinator determines a drawing does not accurately record a deviation or omits relevant information, the Judiciary will correct any FIELD POSTED RECORD DRAWINGS sheet. Contractor will be charged for the Judiciary’s cost to correct the error or omission.

8. Use the final Field Posted Record Drawings sheets and create one electronic version of the set. The set shall be recorded in Adobe Acrobat PDF (Portable Document Format). Create a single indexed, bookmarked PDF file of the entire set of drawings and upload electronically.

1.02 WARRANTIES

A. Submittal Time: Submit written manufacturer's warranties at request of the Project Coordinator for designated portions of the Work where commencement of warranties other than Project Acceptance date is indicated.

B. Partial Occupancy: Submit properly executed manufacturer's warranties within 45 days of completion of designated portions of the Work that are completed and occupied or used by the Judiciary during construction period by separate agreement with Contractor.

C. Organize manufacturer's warranty documents into an orderly sequence based on the table of contents of the Specifications.
   1. Bind warranties and bonds in heavy-duty, 3-ring, vinyl-covered, loose-leaf binders, thickness as necessary to accommodate contents, and sized to receive 8-1/2 inch x 11-inch paper.

   2. Provide heavy paper dividers with plastic-covered tabs for each separate warranty. Mark tab to identify the product or installation. Provide a typed description of the product or installation, including the name of the product and the name, address, and telephone number of Installer and prime contractor.

   3. Identify each binder on the front and spine with the typed or printed title "WARRANTIES", Project Name and Title, Judiciary Job Number, and name of Contractor.

   4. Use the final submittal of the warranties to create an electronic Adobe Acrobat PDF (Portable Document Format) version of the bound warranty documents files. Each sheet shall be separately scanned, at 600 DPI or better into a PDF file, indexed, and uploaded electronically.

1.03 OPERATION AND MAINTENANCE MANUALS

A. Assemble complete set of operation and maintenance data indicating the operation and maintenance of each system, subsystem, and piece of equipment not part of a system. Include operation and maintenance data required in individual Specification Sections and as follows:
   1. Operation Data:
      a. Emergency instructions and procedures.
      b. System, subsystem, and equipment descriptions, including operating standards.
      c. Operating procedures, including startup, shutdown, seasonal, and weekend operations.
      d. Description of controls and sequence of operations.
      e. Piping diagrams.

2. Maintenance Data:
    a. Manufacturer's information, Material Safety Data Sheets, and a list of spare parts.
    b. Name, address, and telephone number of installer or supplier.
    c. Maintenance procedures.
    d. Maintenance and service schedules for preventive and routine maintenance.
    e. Maintenance record forms.
    f. Sources of spare parts and maintenance materials.
    g. Copies of maintenance service agreements.
    h. Copies of warranties and bonds.

B. Use the following 3 paragraph headings, "Notes, Cautions and Warnings", to emphasize important and critical instructions and procedures. Place the words "Notes", "Cautions", or "Warnings" immediately before the applicable instructions or procedures. Notes, Cautions and Warnings are defined as follows:

1. Note: highlights an essential operating or maintenance procedure, condition or statement.

2. Caution: highlights an operating or maintenance procedure, practice, condition or statement which if not strictly observed, could result in damage to or destruction of equipment, loss of designed effectiveness, or health hazards to personnel.

3. Warning: highlights an operating or maintenance procedure, practice, condition, or statement that if not strictly observed, could result in injury to or death of personnel.

C. Organize the Operation and Maintenance Manuals into suitable sets of manageable size. Bind and index data in heavy-duty, "D" type 3-ring, vinyl-covered, loose-leaf binders, in thickness necessary to accommodate contents, with pocket inside the covers to receive folded oversized sheets. Binder color shall be maroon, or if not available red. Identify each binder on front and spine with the printed title "OPERATION AND MAINTENANCE MANUAL", Project Name and Title include building number when appropriate, Judiciary Job Number, Prepared For*:* The Judiciary*,* Prepared By*:* [Contractor] and Volume Number. Each binder is a single volume.

D. Electronic Format
1. Provide all information (narratives, drawings and manual) in electronic PDF format. Provide Compact Disc (CD) or DVD if files are too large. Provide drawings and plans prepared for the O&M Manuals drawn electronically and saved as a PDF file. Name and index the files for ease of identification and updates.

2. Provide the complete O&M Manual using Adobe Acrobat PDF (Portable Document Format) files. Each sheet shall be separately scanned into a PDF file, indexed, bookmarked, hyperlinked to the table of contents. Scanned documents shall be scanned at 600 DPI or better. Indexes and bookmarks may be highlighted or colored text.

E. Pre-Final Submittal: Submit 1 printed set of Final Operation and Maintenance Manual, for review by the Project Coordinator, at least 5 days prior to scheduled final inspection. Manuals shall be marked as Pre-Final.
   1. Make any correction noted before submitting the final Operation and Maintenance Manuals.

   2. The set will be returned with comments. Additional review comments may include problems discovered during the O&M Manual's review, site validation, and facility start up and will be provided to the Contractor after facility Project Acceptance Date.

F. Final Submittal: Use the final submittal of the manuals to create the electronic PDF file version of the bound Operation and Maintenance Manuals documents. Include the Submittal (100 percent) review comments along with a response to each item. Final printed manual and any disks shall be marked as Final and sent to the Project Coordinator.

PART 2 - PRODUCTS

2.01 MATERIALS

A. Cleaning Agents: Use cleaning materials and agents recommended by manufacturer or fabricator of the surface to be cleaned. Do not use cleaning agents that are potentially hazardous to health or property or that might damage finished surfaces.

PART 3 – EXECUTION (NOT USED)

END OF SECTION

DIVISION 7 – THERMAL AND MOISTURE PROTECTION

Section 07560 Fluid-Applied Membrane Roof System

GENERAL

1.01 SECTION INCLUDES

A. This specification is intended to outline the requirements for application of a premium acrylic elastomeric roof coating system over compatible existing roof substrate in acceptable condition.

1.02 REFERENCES

A. Factory Mutual (FM Global) – Approval Guide.

B. Factory Mutual Standard 4470 – Approval Standard for Class 1 Roof Covers.

C. Underwriters Laboratories (UL) - Roofing Systems and Materials Guide (TGFU R1306).

D. ASTM International (ASTM) – Annual Book of ASTM Standards.

E. ASTM D 1079 – Standard Terminology Relating to Roofing, Waterproofing, and Bituminous Materials.

F. ASTM D 1653 - Standard Test Methods for Water Vapor Transmission of Organic Coating Films.

G. ASTM D 4798 / D4798M – 1- Standard Practice for Accelerated Weathering Test Conditions and Procedures for Bituminous Materials (Xenon-Arc Method).

H. ASTM D 6083 - Standard Specification for Liquid Applied Acrylic Coating Used in Roofing

I. ASTM E 96 - Standard Test Methods for Water Vapor Transmission of Materials.

J. ASTM E 108 - Standard Test Methods for Fire Tests of Roof Coverings.

K. ASTM G 26 - Practice for Operating Light-Exposure Apparatus (Xenon-Arc Type) With and Without Water for Exposure of Nonmetallic Materials.

L. ASTM G 53 - Practice for Operating Light- and Water-Exposure Apparatus (Fluorescent UV-Condensation Type) for Exposure of Nonmetallic Materials.

M. Sheet Metal and Air Conditioning Contractors National Association, 1nc. (SMACNA) - Architectural Sheet Metal Manual.

N. National Roofing Contractors Association (NRCA).

O. American Society of Civil Engineers (ASCE).

P. ASCE 7 - Minimum Design Loads for Buildings and Other Structures.

1.03 SYSTEM DESCRIPTION

A. Roofing recoating work includes patching and repair of existing roofing system, and installation of roofing membrane coating and base flashing system that does not permit the passage of water.

B. Roofing manufacturer certified representative shall determine the fitness of the existing roof system, and its components, for any given roof before proceeding with the prescribed work.

C. The roofing manufacturer shall provide all primary roofing materials that are physically and chemically compatible when installed in accordance with manufacturers' current application requirements.

1.04 SUBMITTALS

A. Submit directly to the Contracting Officer electronically.

B. Product Data:
   1. Provide product data sheets for each type of product indicated in this section.

1.05 QUALITY ASSURANCE

A. Installer Minimum Qualifications:
   1. Installer shall be classified as a Premium, Master or Master Select Contractor as defined and certified by the roofing manufacturer.

B. Source Limitations: Components listed shall be provided by a single manufacturer or approved by the primary roofing manufacturer.

1.06 PRE-INSTALLATION CONFERENCE

A. Prior to scheduled commencement of the roofing installation and associated work, conduct a meeting at the project site with the installer, owner, roofing manufacturer representative and any others directly involved with the performance of the work. The installer shall record conference discussions to include decisions, agreements, and open issues and furnish copies of recorded discussions to each attending party. The primary purpose of the meeting is to review foreseeable methods and procedures related to roof recoating work.
   1. Tour representative areas of roofing substrates to inspect and discuss conditions of substrate, penetrations and other preparatory work to be performed.
   2. Review roofing manufacturer requirements (specifications, detail drawings and the Contract Documents).
   3. Review required submittals, both completed and in progress.
   4. Review and finalize the construction schedule related to roofing work, and verify availability of materials, installer's personnel, equipment and facilities needed to consistently make progress and avoid delays.

5. Review required inspection(s), testing, and certifying, and material usage accounting procedures. Review forecasted weather conditions.
6. Establish procedures for coping with unfavorable conditions, including the possibility of temporary roofing work.

1.07 REGULATORY REQUIREMENTS

A. Work shall be performed in a safe, professional manner, conforming to federal, state and local codes.

B. UL Listing: Provide roof recoating system and component materials which have been evaluated by Underwriters Laboratories for flame-spread and are listed in the "Underwriters Laboratory Roofing Materials and Systems Directory" for Class A construction over existing metal or other non-combustible roofing (Flame-spread shall pass ASTM E-108 and/or UL 790). Provide roof covering materials bearing UL approval marking on the container. This indicates that the material has been subjected to UL's examination, test procedures and follow-up inspection service.

1.08 DELIVERY, STORAGE & HANDLING

A. Store and handle roofing materials in a manner that will ensure there is no possibility of contamination.

B. Store in a dry, well ventilated, weather tight location at temperatures between 50°F (10°C) and 90°F (32°C) until the products are ready to be applied (keep from freezing). Do not stack material pallets more than two (2) high.

C. Do not subject the existing roof to unnecessary loading of stockpiled materials.

D. Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction.

1.09 PROJECT CONDITIONS

A. Weather:
1. Proceed with roofing only when existing and forecasted weather conditions permit.
2. Application surface temperature shall be 50°F (10°C) and rising. Care should be taken when coating surfaces above 120°F.

B. No moisture may be present when applying roofing products. Taking into consideration the UV curing properties of roofing products allow for sufficient daylight hours necessary for curing of applied materials.

1.10 WARRANTY

A. **Liquid Applied Limited Warranty**: Manufacturers standard form, in which manufacturer agrees to repair leaks through the roofing products on the roof caused by manufacturing defects or natural deterioration of the GAF roofing system.
   1. Warranty Duration:
      a. Twenty (20) years

PART 2 PRODUCTS

2.01 MANUFACTURER

A. Acceptable Manufacturer: GAF, Commercial Roofing Products Division, which is located at: 1 Campus Drive; Parsippany, NJ 07054; Toll Free Tel: 877-423-7663 (option 4, then option 3); Email: designservices@gaf.com ; Web: www.gaf.com

2.02 COATINGS

A. **GAF Premium Acrylic Hydrostop® Base (Foundation) Coat:** A high solids elastomeric acrylic base coat used to enhance adhesion of GAF Premium Acrylic HydroStop® Top Coat.
   1. Application Rate: 1.0 to 1.5 gal per 100 square feet per coat.
   2. Application Method: Airless sprayer, brush, or roller.
   3. Application Temperature (air, surface): 50°F (10°C) and rising.

B. **GAF Premium Acrylic HydroStop® Top Coat**: A professional grade, water based, acrylic elastomeric top coat that forms a monolithic coating to help provide protection against damage from the exposure to UV and weather elements.
   1. Application Rate: 1.0 to 1.5 gal per 100 square feet per coat.
   2. Application Method: Airless sprayer, brush, or roller.
   3. Application Temperature (air, surface): 50°F (10°C) and rising.

2.03 FLASHINGS AND ACCESSORIES

A. **GAF Premium Fabric**: tough, non-woven, stitch-bonded, polyester fabric designed for use as a reinforcing material in GAF coatings or BarrierGuard systems. Available in 336 ft. rolls and varying widths.
   1. Length: 300 ft. (91 m). Widths available: 4” (102 mm), 6” (152 mm), 8” (203 mm), 12” (305 mm), 16” (406 mm), 20” (508 mm), 24” (610 mm).
   2. Length: 336 ft. (102 m). Width available: 40” (1.02 m).

B. **GAF Seam Tape**: A coatable fabric surface backed with a polymer modified butyl adhesive. It is designed for application to a wide range of substrates where additional strength is required over loose or open seams and membrane tears.
   1. Temperature Limits for Service 32°F to 110°F (0°C to 43°C)
   2. Bond Time: Initial bond is immediate; full bond requires approximately 24 hours.

2.04 PRIMERS AND SEALANTS

A. **GAF Uni-Base Primer: A single component, highly durable exterior acrylic latex primer. It helps provide protection against the damaging effects of corrosion over properly prepared substrates. It also helps provide protection against the damaging effects of alkali exposure over concrete and masonry.**
   1. Application Rate: 0.33 – 0.66 gal per 100 ft2 (1.34 – 2.69 L/ 10m2) depending on substrate, surface and porosity.
   2. Application Method: Brush, roller or sprayer.
   3. Dry Time: 75°F (24°C), 50% RH: 20-30 minutes

B. **GAF Thermoplastic Roof Sealant:** A high-performance thermoplastic roofing sealant compatible with roofing system.

2.06 SPECIALTY EQUIPMENT

A. Airless Sprayer and Accessories: As recommended by the roofing manufacturer.

PART 3 EXECUTION

3.01 SUBSTRATE CONDITIONS

A. Installer shall verify adhesion. Questionable substrates shall be directed to the manufacturer for resolution.

3.02 PREPARATION OF SUBSTRATE

A. Preparation of the Roof substrate is the responsibility of the Installer. Installer shall address and correct all of the conditions listed in this section. Examine substrates to receive new roofing. Do not proceed with installation of the acrylic coating until unsatisfactory conditions have been corrected in a manner acceptable to the manufacturer.

B. Treatment of Ponding Water Areas: Installer shall make every effort to mechanically eliminate all ponding water areas on the roof prior to application of GAF products. Ponding water is defined as water which does not properly drain and remains on the roof surface for more than 48 hours after precipitation stops.

C. Deteriorated Seams/Cracks: Repair all delaminated or open seams or blisters using method acceptable to the manufacturer.

3.03 FIELD OF ROOF APPLICATION AND RATES

A. 20-year System Application:
   1. Apply Uni-Base Primer as required by the manufacturer.
   2. Apply Foundation coat at a rate of 1.5 gallons per 100squrae feet and immediately embed polyester fabric into coating.
   3. Apply a 2nd Foundation coat over fabric at a rate of 1 gallon per 100 square feet.

4. Apply first coat of GAF Premium Acrylic HydroStop® Top Coat at the rate of 1.0 gal per 100 square feet and allow at least 24 hours drying between coats and then inspect for defects, flaws or areas of insufficient coverage. Correct any unsatisfactory conditions.
5. Apply 2nd and 3rd coats of GAF Premium Acrylic HydroStop® Top Coat at the rate of 0.75 gal per 100 square feet and allow at least 24 hours drying time between coats and then inspect for defects, flaws or areas of insufficient coverage.
6. Apply Traffic coating from doorways to equipment room(s) same as current pathway(s) at a total rate of 2.0 gallons per 100 square feet.

3.04 INSPECTION INFORMATION

A. Inspect Preliminary Work / Flashing Details for problem areas (e.g., gaps, cracks, fishmouths, air pockets, etc.) to ensure that work is complete and satisfactory.

3.05 OTHER ITEMS

A. Installer shall take photographs of representative roof areas, including detail work, before work commences, after the surface has been properly prepared, after all flashing and detail work has been performed, and after the spray or roller application of the roof coating.

B. If there is an extended period of time (6 months or greater) between application of base and finish coats, the base coat shall be thoroughly cleaned before applying the finish coat.

3.06 REPAIRS

A. In the event that the GAF membrane is damaged or punctured, repairs are to be performed using the specified GAF Coating or GAF Flashing and GAF Premium Fabric (where necessary) as follows:
1. Damaged areas are to be cut, cleaned and dried.
2. Apply GAF Flashing or the specified GAF Coating with GAF Bulking Fiber, and feather out onto the existing GAF membrane.
3. If a new penetration area has been cut, embed GAF Premium Fabric into the GAF Flashing or the specified GAF Coating with GAF Bulking Fiber according to standard GAF specifications.
4. Once the GAF Flashing has cured, GAF Coating may be applied for aesthetic uniformity.

END OF SECTION

EnvironMETeo Services, Inc.
Environmental / Industrial Health & Safety

Asbestos, Lead Paint, PCB Ballast and Mercury Lamp Survey Report

For:

RMA Architects, Inc.
1150 South King Street, 8th Floor
Honolulu, Hawaii 96814

Facility Surveyed:

Ka'ahumanu Hale
777 Punchbowl Street
Honolulu, Hawaii 96813

Project:

Judiciary Condition Assessment
Ka'ahumanu Hale

Conducted by:

EnvironMETeo Services, Inc. (EMET)
94-520 Uke'e Street, Suite A
Waipahu, Hawaii 96797

Date of Report: November 7, 2017

EMET ID: 1511498

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Certification of Report

We certify that this report is based on a physical survey of EMET scope of work areas, as impacted by this project, at Ka'ahumanu Hale, located at 777 Punchbowl Street, Honolulu, Hawaii. The survey included an inspection for asbestos-containing materials (ACM), lead paint on surfaces/building components, PCB-containing fluorescent light ballasts and mercury-containing fluorescent light lamps.

The survey was conducted by EnvironMETeo Services, Inc. (EMET) on August 30 – September 14, 2017 and was limited to the following scope of work:

Asbestos/Lead Paint/PCB Ballast/Mercury Lamp Investigation

1. Inspection, evaluation and sample collection of suspect asbestos-containing materials by EPA-accredited inspectors in accordance with H.A.R. 11-501 from the following:

   Ka'ahumanu Hale

   - interior and exterior Including roof

2. Lead paint inspection by EPA-accredited inspectors from the areas indicated in item 1.

3. Visual inspection of approximately ten percent (10%) of each type of typical fluorescent light fixtures for PCB-containing ballasts and mercury-containing lamps from the areas indicated in item 1.

The survey results are based on analyses of samples of suspect materials collected from visually and physically accessible areas/materials.

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Bulk samples of suspect asbestos-containing materials taken during the survey were analyzed for asbestos content by a National Institute of Standards and Technology (NIST)-accredited laboratory under the National Voluntary Laboratory Accreditation Program (NVLAP) for asbestos fiber analysis. Laboratory analyses performed by Polarized Light Microscopy (PLM) for asbestos identification are in accordance with U.S. Environmental Protection Agency (EPA) Test Method 600/R-93/116.

Painted surfaces were tested for lead concentrations using an X-Ray Fluorescence (XRF) spectrum analyzer, a testing methodology approved by the EPA and the U.S. Department of Housing and Urban Development (HUD).

Approximately ten percent (10%) of each type of typical light fixtures was visually inspected on site by an inspector to determine if the ballasts contained PCBs and if the lamps contain Mercury.

EMET makes no warranty and assumes no liability for the inappropriate use or misuse of this document.



Joseph Iopa III
Asbestos Building Inspector
Hawaii State Certification # HIASB-0585
Lead Based Paint Risk Assessor
Hawaii Lead Certificate # PB-0668

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Summary

EnvironMETeo Services, Inc. (EMET) conducted a survey for asbestos-containing materials (ACM), lead paint on surfaces/building components, PCB-containing fluorescent light ballasts and mercury-containing fluorescent light lamps at Ka'ahumanu Hale, located at 777 Punchbowl Street, Honolulu, Hawaii, on August 30 – September 14, 2017. The survey was conducted by Nickolas Alao, Julius Arellano, Joseph Custino, Joseph Iopa III, Peter Pascal III, Andrew Uyeda, and Jayson Wu of EMET in accordance with Hawaii Administrative Rules (H.A.R) 11-501 as well as EMET's scope of work.

The survey was requested and authorized by Herb Leong of RMA Architects, Inc. and performed in preparation for planned renovations.

This report is for informational purposes only and should only be used as such. This report is not a specification and should not be solely relied upon when included as part of contract/bid documents.

Based on the visual inspection and laboratory results of the samples collected, the following materials were identified as ACM or are assumed to be ACM:

Basement Asbestos-containing Materials

12" x 12" beige w/brown/white specks VFT	black mastic beneath 12" x 12" beige w/brown/white specks VFT
beige w/yellow specks sheet vinyl flooring	

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Floor 1 Asbestos-containing Materials

12" x 12" pink w/ brown streaks VFT	black mastic beneath 12" x 12" pink w/ brown streaks VFT
black sink insulation	black mastic beneath 12" x 12" beige w/gray streaks VFT
waterproofing material	

Floor 2 Asbestos-containing Materials

12" x 12" pink w/brown streaks VFT	black mastic beneath 12" x 12" pink w/brown streaks VFT
black mastic beneath 12" x 12" brown w/brown streaks VFT	gray stone pattern sheet vinyl flooring
yellow mastic beneath gray stone pattern sheet vinyl flooring	black sink insulation
gray sealant at floor penetration	waterproofing material

Floor 3 Asbestos-containing Materials

12" x 12" pink w/gray streaks VFT	black mastic beneath 12" x 12" pink w/gray streaks VFT
black sink insulation	tan w/beige specks sheet vinyl flooring
yellow mastic beneath tan w/beige specks sheet vinyl flooring	waterproofing material

Floor 4 Asbestos-containing Materials

beige w/mosaic pattern sheet vinyl flooring	beige mastic beneath beige w/mosaic pattern sheet vinyl flooring
black sink insulation	12" x 12" pink w/brown streaks VFT
waterproofing material	

EMET was not allowed to sample roofing materials to preserve the manufacturer's warranty for the roof system. All materials on the various roofs are assumed to be ACM until tested properly and proven otherwise.

Lead-based paint was found on the following surfaces:

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- yellow parking stall lines on concrete floor in basement parking
- yellow parking stall lines on gypboard wall in basement parking
- beige metal conduit pipe in roof level Mechanical Room 5007
- beal metal pump in roof level Mechanical Room 5007

Some painted surfaces/building components tested have been confirmed to contain lead in concentrations of less than 1.0 mg/cm^2 – the paint on these surfaces is considered to be lead-containing paint (LCP).

Some painted surfaces tested may have paint with lead at concentrations below the instrument level of detection (0.01 mg/cm^2).

Approximately 10% of each type of typical light fixture was inspected for the presence of PCB-containing ballasts and mercury-containing lamps. The visually inspected fluorescent light ballasts were observed to have "No PCB" labeling. The visually inspected fluorescent lamps were observed to have green tabs or labeling and are considered to be non-mercury containing lamps

Asbestos-Containing Material

The State of Hawaii, OSHA and EPA define ACM as any material containing more than one percent (>1%) asbestos by area. This definition can be found in the following regulations:

- HAR, Title 11, Department of Health, Chapter 501 (11-501), Asbestos Requirements

- 29 CFR 1926.1101 Occupational Safety and Health Administration (OSHA), Construction Industry Asbestos Standard

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- EPA 40 CFR Part 61, Subpart M - National Emission Standards for Hazardous Air Pollutants (NESHAP), revised July 1, 1990, Asbestos NESHAP Revision Final Rule.

Asbestos Bulk Sampling

A total of 624 samples of suspect ACM were collected and analyzed. The samples were placed in plastic containers with a unique identification number assigned to each sample and entered on a field data sheet. The sample locations were indicated on the field drawings shown in Appendix B.

Samples were collected of the following observed suspect asbestos-containing material:

Basement Level Suspect Asbestos-containing Materials Visually Observed

red caulking at wall penetration	brown caulking at wall penetration
white caulking at vent and duct	white caulking at door frame
brown caulking at door frame	4" o. d. white wrap w/yellow insulation TSI
12" x 12" beige w/brown/white specks VFT	black mastic beneath 12" x 12" beige w/brown/white specks VFT
white leveling compound	1" brown threshold
yellow adhesive beneath 1" brown threshold	4" black covebase
beige adhesive beneath 4" black covebase	10" o. d. white wrap w/white insulation TSI
20" o. d. white wrap w/white insulation TSI	3" o. d. white wrap w/yellow insulation TSI
4" brown covebase	brown adhesive beneath 4" brown covebase
2' x 4' white fissured pinhole acoustical ceiling tile	18"x18" green/yellow w/brown stone pattern VFT
clear adhesive beneath 18"x18" green/yellow w/brown stone pattern VFT	beige w/yellow specks sheet vinyl flooring

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1st Floor Suspect Asbestos-containing Materials Visually Observed

green/yellow carpet adhesive	12" x 12" pink w/ brown streaks VFT
black mastic beneath 12" x 12" pink w/ brown streaks VFT	4" maroon covebase
black adhesive beneath 4" maroon covebase	4" o. d. beige wrap w/yellow insulation TSI runs and elbows
2' x 4' white fissured pinhole acoustical ceiling tile	12" x 12" beige w/gray streaks VFT
yellow adhesive beneath 12" x 12" beige w/gray streaks VFT	4" brown covebase
yellow adhesive beneath 4" brown covebase	white caulking at plumbing fixture
brown caulking at window frame	brown caulking at door frame
white gypsum wallboard/mudjoint wall and ceiling system	4" black covebase
yellow adhesive beneath 4" black covebase	1" black threshold
yellow adhesive beneath 1" black threshold	brown duct mastic
black vibration cloth	12" x 12" off-white w/gray streaks VFT
yellow adhesive beneath 12" x 12" off-white w/gray streaks VFT	4" o. d. beige wrap w/yellow insulation TSI
2' x 4' white acoustical ceiling tile	black sink insulation
gray sink insulation	white caulking at countertop
4" light brown covebase (brittle)	black adhesive beneath 4" light brown covebase
beige plaster w/skim coat	8" o. d. beige wrap w/yellow insulation TSI
10" o. d. beige wrap w/yellow insulation TSI	beige caulking at AHU seam
white caulking at door frame	black mastic beneath 12" x 12" beige w/gray streaks VFT
white plaster ceiling	gray sink insulation (old)
gray plastic flex duct w/yellow insulation*	black caulking at AHU seams
waterproofing material†	

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2nd Floor Suspect Asbestos-containing Materials Visually Observed

12" x 12" cream w/beige streaks VFT	black adhesive beneath 12" x 12" cream w/beige streaks VFT
4" beige covebase	brown adhesive beneath 4" beige covebase
4" maroon covebase	brown adhesive beneath 4" maroon covebase
beige caulking at door frame	white gypsum wallboard/mudjoint wall and ceiling system
2' x 4' white fissured pinhole acoustical ceiling tile	brown duct mastic
2' x 4' white acoustical w/yellow insulation ceiling tile	gray sink insulation
white caulking countertop	white caulking at plumbing fixture
4" o. d. white wrap w/yellow insulation TSI	4" black covebase
brown adhesive beneath 4" black covebase	brown caulking at window frame
12" x 12" pink w/brown streaks VFT	black mastic beneath 12" x 12" pink w/brown streaks VFT
12" x 12" gray w/gray streaks VFT	yellow adhesive beneath 12" x 12" gray w/gray streaks VFT
2' x 4' white pinhole acoustical ceiling tile	12" x 12" brown w/brown streaks VFT
black mastic beneath 12" x 12" brown w/brown streaks VFT	gray stone pattern sheet vinyl flooring
yellow mastic beneath gray stone pattern sheet vinyl flooring	1' x 1' white fissured pinhole acoustical ceiling tile
1' x 1' white pinhole acoustical ceiling tile	black sink insulation
1" brown threshold	brown adhesive beneath 1" brown threshold
white w/blue streaks VFT	yellow adhesive beneath white w/blue streaks VFT
gray sealant at floor penetration	4" brown covebase
beige adhesive beneath 4" brown covebase	black vibration cloth
6" o. d. white wrap w/yellow insulation TSI	8" o. d. white wrap w/white foam insulation TSI
8" o. d. white wrap w/yellow insulation TSI	beige caulking at AHU seams
white plaster ceiling	black caulking at AHU

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gray plastic flex duct w/yellow insulation*	green carpet adhesive
10" o. d. white wrap w/yellow insulation TSI	waterproofing material†

3rd Floor Suspect Asbestos-containing Materials Visually Observed

4" brown covebase	brown adhesive beneath 4" brown covebase
4" black covebase	beige adhesive beneath 4" black covebase
4" dark brown covebase	beige adhesive beneath dark brown covebase
white gypsum wallboard/mudjoint wall and ceiling system	2' x 4' white fissured pinhole acoustical ceiling tile
2' x 2' white acoustical ceiling tile	brown duct mastic
white caulking at plumbing fixture	white caulking at door frame
black vibration cloth	6" o. d. white wrap w/yellow insulation TSI
8" o. d. white wrap w/yellow insulation TSI	10" o. d. white wrap w/yellow insulation TSI
white caulking at AHU seams	black caulking at AHU seams
12" x 12" pink w/gray streaks VFT	black mastic beneath 12" x 12" pink w/gray streaks VFT
green carpet adhesive	brown caulking at door frame
brown caulking at window frame	black sink insulation
white caulking countertop	12" x 12" beige w/beige stripes VFT
yellow adhesive beneath 12" x 12" beige w/beige stripes VFT	beige sink insulation
light gray sink insulation	tan w/beige specks sheet vinyl flooring
yellow mastic beneath tan w/beige specks sheet vinyl flooring	gray cementitious ceiling material
1" black threshold	yellow adhesive beneath 1" black threshold
white skim coat	white plaster ceiling
gray plastic flex duct w/yellow insulation*	waterproofing material†

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4th Floor Suspect Asbestos-containing Materials Visually Observed

4" brown covebase	black adhesive beneath 4" brown covebase
4" black covebase	beige adhesive beneath 4" black covebase
white gypsum wallboard/mudjoint wall and ceiling system	beige skim coat
2' x 4' white fissured pinhole acoustical ceiling tile	2' x 2' white acoustical ceiling tile
gray sink insulation	beige w/mosaic pattern sheet vinyl flooring
beige mastic beneath beige w/mosaic pattern sheet vinyl flooring	white caulking at plumbing fixture, pliable
white caulking at plumbing fixture	4" dark brown covebase
brown adhesive beneath 4" dark brown covebase	black caulking at window frame
black sink insulation	12" x 12" pink w/brown streaks VFT
black adhesive beneath 12" x 12" pink w/brown streaks VFT	beige duct mastic
white caulking at door frame	6" o. d. white wrap/yellow insulation TSI
8" o. d. white wrap/yellow insulation TSI	12" o. d. white wrap/yellow insulation TSI
black caulking at AHU seams	beige caulking at AHU seams
black vibration cloth	gray cementitious ceiling material
red patch/sealant material	white spray-applied ceiling material
waterproofing material†	

Roof Level Suspect Asbestos-containing Materials Visually Observed

2" o. d. white w/yellow insulation TSI	4" o. d. white w/yellow insulation TSI
6" o. d. white w/yellow insulation TSI	16" o. d. white w/yellow insulation TSI
black vibration cloth	gray duct mastic
gray caulking at door frame	2' x 4' yellow ceiling insulation tile
red textured flooring	gray caulking at louvered windows
black caulking at louvered window frame	

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* The gray plastic flex duct with fiberglass insulation is not considered suspect for ACM.

† The waterproofing materials are presumed to exist beneath ceramic floor tiles in the atrium and bathrooms on floors 1-4. The area under the ceramic tiles could not be accessed without causing significant damage to the ceramic tiles (bathrooms and atrium still in use).

The following materials were observed on the various exterior roof levels. EMET was not allowed to sample any materials on the exterior roofs in order to not void the roofing systems' warranties.

Main Roof Level Suspect Asbestos-containing Materials Visually Observed

beige mineral capsheet built-up roofing system	gray mineral cap sheet roofing material
gray patch/sealant	gray caulking at flashing seams
black caulking at wall flashing	black patch/sealant
light gray caulking at duct and skylight seams	black vibration cloth
white caulking at exhaust fan bolt heads	

Lower Roof Level (Roof Over 2nd Floor Mauka Wing) Suspect Asbestos-containing Materials Visually Observed

gray weather membrane built-up roofing system	gray caulking at flashing seams
black caulking at flashing	

High Roof Level (Roofs over Stairwells and Elevators) Suspect Asbestos-containing Materials Visually Observed

beige mineral capsheet built-up roofing system	gray patch/sealant
gray caulking at pitch pocket	

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Low Mechanical Roof Level (Roof over 1st Floor Mauka Mechanical Room)

Suspect Asbestos-containing Materials Visually Observed

tan mineral capsheet built-up roofing system	gray caulking at wall flashing
black caulking at wall flashing	black vibration cloth
tan painted black patch/sealant	8" o. d. silver wrap w/white insulation TSI

Asbestos Analyses

Bulk samples were analyzed for asbestos using Polarized Light Microscopy (PLM) for the identification of asbestos, in accordance with EPA Test Method 600/R-93/116. Laboratory analytical data sheets are provided in Appendix A.

The following building materials were found to be ACM:

Basement Level Asbestos-containing Materials

Material Description	Observable Quantity at Time of Inspection	Material Location	Condition; Friable/Non-Friable
12" x 12" beige w/ brown/white specks VFT w/ black mastic	± 1600 sf	throughout Record Storage and cell block areas; also under sheet vinyl in elevators	both not damaged; not friable
beige w/yellow specks sheet vinyl flooring	± 240 sf	elevators	not damaged; FRIABLE

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1st Floor Asbestos-containing Materials

Material Description	Observable Quantity at Time of Inspection	Material Location	Condition; Friable/Non-Friable
12" x 12" pink w/ brown streaks VFT w/ black mastic	± 4000 sf	various rooms and corridors	both not damaged; not friable
black sink insulation	± 12 sf	Adult Probation Lounge, Supplies Staff Room, and Dark Room	not damaged; not friable
black mastic beneath 12" x 12" beige w/gray streaks VFT	± 450 sf	Records Storage	not damaged; not friable
waterproofing material	± 2600 sf	beneath ceramic floor tiles in Atrium and bathrooms; inaccessible w/o causing significant damage-- ASSUMED ACM	unknown

2nd Floor Asbestos-containing Materials

Material Description	Observable Quantity at Time of Inspection	Material Location	Condition; Friable/Non-Friable
12" x 12" pink w/ brown streaks VFT w/ black mastic	± 1300 sf	various rooms and corridors	both not damaged; not friable
black mastic beneath 12" x 12" brown w/brown streaks VFT	± 50 sf	Section 6 Staff Room	not damaged; not friable
gray stone pattern sheet vinyl flooring w/ yellow mastic	± 225 sf	bathrooms in Judges' Chambers	both not damaged; SVF FRIABLE, mastic not friable
black sink insulation	± 8 sf	Staff Lounge and Staff/Conference Room	not damaged; not friable

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Material Description	Observable Quantity at Time of Inspection	Material Location	Condition; Friable/Non-Friable
gray sealant at floor penetration	± 1 sf	southeast Telephone Room	not damaged; not friable
waterproofing material	± 2500 sf	beneath ceramic floor tiles in Atrium and bathrooms; inaccessible w/o causing significant damage-- ASSUMED ACM	unknown

3rd Floor Asbestos-containing Materials

Material Description	Observable Quantity at Time of Inspection	Material Location	Condition; Friable/Non-Friable
12" x 12" pink w/ brown streaks VFT w/ black mastic	± 1600 sf	Multi-use Room, Staff Rooms, Storage Rooms, Telephone Rooms, and corridors in front of the Mech. Rooms	both not damaged; not friable
black sink insulation	± 16 sf	Staff Rooms	not damaged; not friable
tan w/beige specks sheet vinyl floor w/ yellow mastic	± 1100 sf	bathrooms of Judges' Chambers, Bailiff/Police, and holding cells area	both not damaged; SVF FRIABLE, mastic not friable
waterproofing material	± 2600 sf	beneath ceramic floor tiles in Atrium, bathrooms, and sink area in Judges' Chambers; inaccessible w/o causing significant damage-- ASSUMED ACM	unknown

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4th Floor Asbestos-containing Materials

Material Description	Observable Quantity at Time of Inspection	Material Location	Condition; Friable/Non-Friable
beige w/mosaic pattern sheet vinyl flooring w/ beige mastic	± 1200 sf	bathrooms of Judges' Chambers	both not damaged; SVF FRIABLE, mastic not friable
black sink insulation	± 16 sf	Staff Rooms	not damaged; not friable
12" x 12" pink w/brown streaks VFT	± 1200 sf	Staff Rooms, Storage Rooms, Telephone Rooms, and corridors in front of Mechanical Rooms	not damaged; not friable
waterproofing material	± 2600 sf	beneath ceramic floor tiles in Atrium, bathrooms, and sink area in Judges' Chambers; inaccessible w/o causing significant damage-- ASSUMED ACM	unknown

All suspect materials on the exterior roofs must be treated as ACM unless the material is properly tested and proven to not be ACM.

Lead Paint

HUD regulations, 24 CRF Parts 35, 200, 881, and 886 guidelines for the evaluation and control of lead-based paint (LBP) hazards in housing, revised April 1, 1999, define LBP as paint with a lead content of 1.0 mg/cm^2 or greater by XRF analyzer, or 0.5% wt. or 5000 ppm by Atomic Absorption (AA) analysis. The EPA regulations 40 CFR Part 745, revised July 1, 1999, similarly defined LBP as stated in HUD regulations.

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The Occupational Safety and Health Administration (OSHA) and HIOSH regulate any activity disturbing paint that contains lead (referred to as lead-containing paint or LCP), even if the lead content is below the EPA/HUD standard for lead-based paint.

XRF test results of painted surfaces equal to or greater than 1.0 mg/cm^2 are defined as LBP in accordance with EPA and HUD regulations.

Lead Paint Sampling and Analyses

Painted surfaces were analyzed for lead using an XRF analyzer. A total of 2,465 analyses of painted surfaces/building components and calibrations were performed. A unique identification number was assigned to each test location and entered on a field data sheet. The ID number, location, description, and lead concentration of each sample is indicated in the XRF analyzer test results, which are provided in Appendix C.

The test results indicate that a lead content equal to or greater than 1.0 mg/cm^2 was detected in the following:

Lead-Based Paint

XRF No. and Location	Testing Combination Component/Substrate	Condition	Color
1434, Roof Mechanical Room 5007	conduit pipe / metal	intact	beige
1440, Roof Mechanical Room 5007	pump / metal	intact	teal
365, Basement, Parking Lot	parking lines on floor / concrete	fair	yellow
366, Basement, Parking Lot	parking lines on wall / gypboard	intact	yellow

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Some painted surfaces/building components tested have been confirmed to contain lead in concentrations of less than 1.0 mg/cm^2 – the paint on these surfaces is considered to be lead-containing paint (LCP).

Some painted surfaces tested may have paint with lead at concentrations below the instrument level of detection (0.01 mg/cm^2).

Painted surfaces may vary in paint type, color and condition, and any damaged painted surfaces may vary significantly from area to area in terms of the condition and degree of damage. The results provide the lead content of all paint layers in a tested surface, as there may be more than one layer of paint on the tested surface.

PCB-Containing Fluorescent Light Ballasts and Mercury-Containing Fluorescent Light Lamps

In response to the growing evidence of the danger posted by Polychlorinated Biphenyl (PCB), mercury, and other chemicals, Congress enacted the Toxic Substance Control Act (TSCA) in 1976. The TSCA directed the EPA to regulate all the chemicals that present "an unreasonable risk of injury to health or the environment" (40 CFR 761). In 1976, the EPA issued regulations prohibiting the processing, distribution, and use of PCBs and mercury, except in sealed systems. The EPA also established strict regulations for the disposal of PCBs in chemical waste landfills.

Fluorescent light ballasts that do not contain PCB are identified as such by means of a label affixed to the ballast indicating "No PCBs". If a fluorescent light ballast does not have labeling, or the labeling is not clearly marked or is illegible, the ballast is assumed to be PCB-containing and must be disposed of in a landfill that accepts PCBs.

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Fluorescent light bulbs that contain mercury in an amount below the hazardous waste threshold of 0.2 mg/L by Toxicity Characteristic Leaching Procedure (TCLP) test are identified by the presence of green colored end caps or green colored labeling. If a fluorescent light bulb does not have green end caps or green colored labeling, it should be assumed to be hazardous and treated as hazardous waste for disposal purposes.

Summary of the Survey for PCB and Mercury in Fluorescent Lights

Throughout the building, a count of each type of fluorescent light fixture was recorded. A representative random sample of at least 10% of each type of fluorescent fixture was then visually inspected for labeling or indication of PCB-ballasts and mercury-containing lamps.

Basement Light Fixtures

Description	Total Number of Fixtures	Number of Fixtures Inspected	Number of Inspected Ballasts Found to be PCB-containing (percentage)	Number of inspected Lamps found to be Mercury-containing
2' x 4' fixture,1 ballast and 2 bulbs	27	3	0 0%	0 0%
1' x 4' fixture, 1 ballast and 2 bulbs	107	11	0 0%	0 0%

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Floor 1 Light Fixtures

Description	Total Number of Fixtures	Number of Fixtures Inspected	Number of Inspected Ballasts Found to be PCB-containing (percentage)	Number of inspected Lamps found to be Mercury-containing
2' x 4' fixture, 1 ballast and 2 bulbs	471	50	0 0%	0 0%
1' x 4' fixture, 1 ballast and 2 bulbs	27	3	0 0%	0 0%
2' x 2' fixture, 1 ballast and 1 bulbs	55	6	0 0%	0 0%

Floor 2 Light Fixtures

Description	Total Number of Fixtures	Number of Fixtures Inspected	Number of Inspected Ballasts Found to be PCB-containing (percentage)	Number of inspected Lamps found to be Mercury-containing
2' x 4' fixture, 1 ballast and 2 bulbs	239	24	0 0%	0 0%
1' x 4' fixture, 1 ballast and 2 bulbs	10	2	0 0%	0 0%
2' x 2' fixture, 1 ballast and 1 bulbs	34	4	0 0%	0 0%

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(808) 671-8383...Telephone (808) 671-7979...Facsimile emet@emetservices.com...Email

Floor 3 Light Fixtures

Description	Total Number of Fixtures	Number of Fixtures Inspected	Number of Inspected Ballasts Found to be PCB-containing (percentage)	Number of inspected Lamps found to be Mercury-containing
2' x 4' fixture, 1 ballast and 2 bulbs	154	16	0 0%	0 0%
1' x 4' fixture, 1 ballast and 2 bulbs	12	2	0 0%	0 0%
2' x 2' fixture, 1 ballast and 1 bulbs	180	20	0 0%	0 0%

Floor 4 Light Fixtures

Description	Total Number of Fixtures	Number of Fixtures Inspected	Number of Inspected Ballasts Found to be PCB-containing (percentage)	Number of inspected Lamps found to be Mercury-containing
2' x 4' fixture, 1 ballast and 2 bulbs	261	27	0 0%	0 0%
6" x 4' fixture, 1 ballast and 2 bulbs	36	4	0 0%	0 0%
6" x 2' fixture, 1 ballast and 1 bulbs	21	3	0 0%	0 0%
2' x 2' fixture, 1 ballast and 2 U-bulbs	211	22	0 0%	0 0%

Limitations

This hazardous materials survey was performed to identify suspect materials in areas scheduled for planned renovations. Original building plans and specifications and those for past renovations, if any, were not available for review.

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Therefore, because of these limitations, the highly variable nature of building construction, and the limits to the survey as defined by EMET's scope of work, the potential remains for undiscovered hazardous materials.

EMET was prohibited from sampling roofing materials. These materials were observed and are assumed to be ACM and should be handled as ACM until samples are collected and tested

This report is for informational purposes only and should only be used as such. This report is not a specification and should not be used as such.

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Appendix A

Asbestos Survey Report

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Building Information Sheet

Job Code /EMET ID	Client Name	Inspection date
1511498	RMA Architects, Inc.	8/30/2017 - 9/14/2017

Building Number	Building Name	No. of Floors Surveyed
KH	Ka'ahumanu Hale	5

Location

777 Punchbowl Street
Honolulu, HI 96813

No. of Other Levels Surveyed: 1

Building Construction Type

LOAD BEARING MASONRY

Structural Concrete with: Metal Decks, Flat Slab, Beam/Joist or Waffle Slabs; Structural Tees
Steel Frame
Wood Frame
Load Bearing Masonry

Building Use		% Floor Space
Use #1	COURTHOUSE	100
Use #2		
Use #3		

Academic Classes, Administration Offices, Food Services, Dormitory, Mechanical Spaces, Gymnasium, Laboratory, Library, Residential or Other (Specify)

ACBM PRESENT?

YES

YES = PRESENT
NO = NOT PRESENT
ASM = ASSUMED

Inspector Identification

Name: Joseph Iopa III
State of HI Certification No. HIASB-0585
State of HI Certification Expiration Date: 4/25/2018
Building Inspector Certification Exp. Date: 1/20/2018

Specific areas surveyed

interior and exterior,
roofs visually inspected only: bulk sampling not permitted by Owner due to roof warranty

Inspector Comments

EMET's scope of work was limited to the areas listed above in Specific Areas Surveyed. This report is not a specification for the removal of asbestos-containing material and should not be used as such. Results of the presence or absence of asbestos are based on the survey and on analyses of the suspect materials encountered. Original building plans and specifications were not available for review. Therefore, because of these limitations and the highly variable nature of building construction, the potential remains for undiscovered ACM. EMET makes no warranty and assumes no liability for the inappropriate use or misuse of this document.

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Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name

KH | Ka'ahumanu Hale

For the ACM - Space Identified as:

498-KH-1

Building Location

777 Punchbowl Street
Honolulu, HI 96813

EMET ID

1511498

Inspection Date(s): 8/30/2017 - 9/14/2017

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACBM Present			Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Friable	T	DC	PD		
498-KH-1A	GREEN/YELLOW CARPET ADHESIVE		YES	NO ACM						
498-KH-1B	12" X 12" PINK W/ BROWN STREAKS VFT		YES	ACM	NO	M	ND	PSD	8	$40000
498-KH-1C	BLACK MASTIC BENEATH 12" X 12" PINK W/ BROWN STREAKS VFT		YES	ACM	NO	M	ND	PD	8	$40000
498-KH-1D	4" MAROON COVEBASE		YES	NO ACM						
498-KH-1E	BLACK ADHESIVE BENEATH 4" MAROON COVEBASE		YES	NO ACM						
498-KH-1F(L1)	4" O. D. BEIGE WRAP W/YELLOW INSULATION TSI RUNS AND ELBOWS	wrap layer	YES	NO ACM						

*** Refers to Material Type and Damage Conditions**

T = Material Type:	DC = Damage Condition:	PD = Potential Damage Condition:
S = Surfacing	ND = No Damage	NPD = No Potential Damage
M = Miscellaneous	D = Damaged	PD = ACBM w/ Potential Damage
T = Thermal Systems	SD = Significant Damage	PSD = Potential Significant Damage

**** Recommended Response Actions:**

1. Isolate area and restrict access. Remove or repair ASAP.
2. Continue Operations and Maintenance (O&M) program. Remove or repair ASAP or reduce potential for disturbance.

3-5. Repair, continue O&M. Lower number indicates higher priority if all repair cannot be done immediately.

6-7. Continue O&M. Take preventive measures to reduce disturbance. Number indicates priority for removal.

8. Continue O&M until major renovation or demolition requires removal under NESHAPS, or until hazard assessment factors change.

Note: An O&M program may include enclosure and encapsulation.

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Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name

KH	Ka'ahumanu Hale

For the ACM - Space Identified as:

498-KH-1

Building Location

777 Punchbowl Street
Honolulu, HI 96813

EMET ID

1511498

Inspection Date(s): 8/30/2017 - 9/14/2017

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACBM Present			Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Friable	T	DC	PD		
498-KH-1F(L2)	4" O. D. BEIGE WRAP W/YELLOW INSULATION TSI RUNS AND ELBOWS	insulation layer	YES	NO ACM						
498-KH-1G	2' X 4' WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE		YES	NO ACM						
498-KH-1H	12" X 12" BEIGE W/GRAY STREAKS VFT		YES	NO ACM						
498-KH-1I	YELLOW ADHESIVE BENEATH 12" X 12" BEIGE W/GRAY STREAKS VFT		YES	NO ACM						
498-KH-1J	4" BROWN COVEBASE		YES	NO ACM						
498-KH-1K	YELLOW ADHESIVE BENEATH 4" BROWN COVEBASE		YES	NO ACM						

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Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name

KH	Ka'ahumanu Hale

For the ACM - Space Identified as:

498-KH-1

Building Location

777 Punchbowl Street
Honolulu, HI 96813

EMET ID

1511498

Inspection Date(s): 8/30/2017 - 9/14/2017

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACBM Present			Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Friable	T	DC	PD		
498-KH-1L	WHITE CAULKING AT PLUMBING FIXTURE		YES	NO ACM						
498-KH-1M	BROWN CAULKING AT WINDOW FRAME		YES	NO ACM						
498-KH-1N	BROWN CAULKING AT DOOR FRAME		YES	NO ACM						
498-KH-1O	WHITE GYPSUM WALLBOARD/MUDJOINT WALL AND CEILING SYSTEM		YES	NO ACM						
498-KH-1P	4" BLACK COVEBASE		YES	NO ACM						
498-KH-1Q	YELLOW ADHESIVE BENEATH 4" BLACK COVEBASE		YES	NO ACM						

*** Refers to Material Type and Damage Conditions**

T = Material Type:	DC = Damage Condition:	PD = Potential Damage Condition:
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M = Miscellaneous	D = Damaged	PD = ACBM w/ Potential Damage
T = Thermal Systems	SD = Significant Damage	PSD = Potential Significant Damage

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Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name

KH	Ka'ahumanu Hale

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498-KH-1

Building Location

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Honolulu, HI 96813

EMET ID

1511498

Inspection Date(s): 8/30/2017 - 9/14/2017

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACBM Present			Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Friable	T	DC	PD		
498-KH-1R	1" BLACK THRESHOLD		YES	NO ACM						
498-KH-1S	YELLOW ADHESIVE BENEATH 1" BLACK THRESHOLD		YES	NO ACM						
498-KH-1T	BROWN DUCT MASTIC		YES	NO ACM						
498-KH-1U	BLACK VIBRATION CLOTH		YES	NO ACM						
498-KH-1V	12" X 12" OFF-WHITE W/GRAY STREAKS VFT		YES	NO ACM						
498-KH-1W	YELLOW ADHESIVE BENEATH 12" X 12" OFF-WHITE W/GRAY STREAKS VFT		YES	NO ACM						

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Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name

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Building Location

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Honolulu, HI 96813

EMET ID

1511498

Inspection Date(s): 8/30/2017 - 9/14/2017

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACBM Present			Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Friable	T	DC	PD		
498-KH-1X(L1)	4" O. D. BEIGE WRAP W/YELLOW INSULATION TSI	wrap layer	YES	NO ACM						
498-KH-1X(L2)	4" O. D. BEIGE WRAP W/YELLOW INSULATION TSI	insulation layer	YES	NO ACM						
498-KH-1Y	2' X 4' WHITE ACOUSTICAL CEILING TILE		YES	NO ACM						
498-KH-1Z	BLACK SINK INSULATION		YES	ACM	NO	M	ND	PD	8	$900
498-KH-1AA	GRAY SINK INSULATION		YES	NO ACM						
498-KH-1BB	WHITE CAULKING AT COUNTERTOP		YES	NO ACM						

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Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name

KH	Ka'ahumanu Hale

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498-KH-1

Building Location

777 Punchbowl Street
Honolulu, HI 96813

EMET ID

1511498

Inspection Date(s): 8/30/2017 - 9/14/2017

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACBM Present			Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Friable	T	DC	PD		
498-KH-1CC	4" LIGHT BROWN COVEBASE (BRITTLE)		YES	NO ACM						
498-KH-1DD	BLACK ADHESIVE BENEATH 4" LIGHT BROWN COVEBASE		YES	NO ACM						
498-KH-1EE(L1)	BEIGE PLASTER W/SKIM COAT	skim coat layer	YES	NO ACM						
498-KH-1EE(L2)	BEIGE PLASTER W/SKIM COAT	plaster layer	YES	NO ACM						
498-KH-1FF(L1)	8" O. D. BEIGE WRAP W/YELLOW INSULATION TSI	wrap layer	YES	NO ACM						
498-KH-1FF(L2)	8" O. D. BEIGE WRAP W/YELLOW INSULATION TSI	insulation layer	YES	NO ACM						

*** Refers to Material Type and Damage Conditions**

T = Material Type:	DC = Damage Condition:	PD = Potential Damage Condition:
S = Surfacing	ND = No Damage	NPD = No Potential Damage
M = Miscellaneous	D = Damaged	PD = ACBM w/ Potential Damage
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Note: An O&M program may include enclosure and encapsulation.

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Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name

KH	Ka'ahumanu Hale

For the ACM - Space Identified as:

498-KH-1

Building Location

777 Punchbowl Street
Honolulu, HI 96813

EMET ID

1511498

Inspection Date(s): 8/30/2017 - 9/14/2017

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACBM Present			Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Friable	T	DC	PD		
498-KH-1GG(L1)	10" O. D. BEIGE WRAP W/YELLOW INSULATION TSI	wrap layer	YES	NO ACM						
498-KH-1GG(L2)	10" O. D. BEIGE WRAP W/YELLOW INSULATION TSI	insulation layer	YES	NO ACM						
498-KH-1HH	BEIGE CAULKING AT AHU SEAM		YES	NO ACM						
498-KH-1II	WHITE CAULKING AT DOOR FRAME		YES	NO ACM						
498-KH-1JJ	BLACK MASTIC BENEATH 12" X 12" BEIGE W/GRAY STREAKS VFT		YES	ACM	NO	M	ND	PD	8	$4500
498-KH-1KK	WHITE PLASTER CEILING		YES	NO ACM						

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M = Miscellaneous	D = Damaged	PD = ACBM w/ Potential Damage
T = Thermal Systems	SD = Significant Damage	PSD = Potential Significant Damage

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6-7. Continue O&M. Take preventive measures to reduce disturbance. Number indicates priority for removal.

8. Continue O&M until major renovation or demolition requires removal under NESHAPS, or until hazard assessment factors change.

Note: An O&M program may include enclosure and encapsulation.

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Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name

KH	Ka'ahumanu Hale

For the ACM - Space Identified as:

498-KH-1

Building Location

777 Punchbowl Street
Honolulu, HI 96813

EMET ID

1511498

Inspection Date(s): 8/30/2017 - 9/14/2017

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACBM Present			Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Friable	T	DC	PD		
498-KH-1LL	GRAY SINK INSULATION (OLD)		YES	NO ACM						
498-KH-1MM	GRAY PLASTIC FLEX DUCT W/YELLOW INSULATION		NO							
498-KH-1NN	BLACK CAULKING AT AHU SEAMS		YES	NO ACM						
498-KH-1OO	WATERPROOFING MATERIAL	inaccessible w/o causing significant damage, ASSUMED ACM	YES	ASSUMED		M	ND	NPD	8	$26000

*** Refers to Material Type and Damage Conditions**

T = Material Type:	DC = Damage Condition:	PD = Potential Damage Condition:
S = Surfacing	ND = No Damage	NPD = No Potential Damage
M = Miscellaneous	D = Damaged	PD = ACBM w/ Potential Damage
T = Thermal Systems	SD = Significant Damage	PSD = Potential Significant Damage

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6-7. Continue O&M. Take preventive measures to reduce disturbance. Number indicates priority for removal.

8. Continue O&M until major renovation or demolition requires removal under NESHAPS, or until hazard assessment factors change.

Note: An O&M program may include enclosure and encapsulation.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/30/2017

Material ID and Description		Unified Sample Area Number
498-KH-1A	GREEN/YELLOW CARPET ADHESIVE	498-KH-1A

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

GREEN/YELLOW CARPET ADHESIVE

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-1A1, 498-KH-1A2, 498-KH-1A3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



EMET Services, Inc. • 94-520 Uke`e Street, Suite A • Waipahu, Hawaii 96797
Phone: (808) 671-8383 • FAX: (808) 671-7979

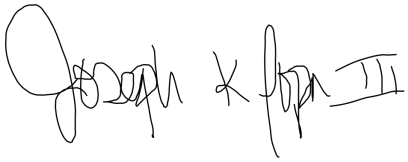
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-1A	GREEN/YELLOW CARPET ADHESIVE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-1A1	0	GREEN/YELLOW CARPET ADHESIVE	See Sketch 498-KH-1
498-KH-1A2	0	GREEN/YELLOW CARPET ADHESIVE	See Sketch 498-KH-1
498-KH-1A3	0	GREEN/YELLOW CARPET ADHESIVE	See Sketch 498-KH-1

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/30/2017

EMET Services, Inc. 94-520 Uke`e Street, Suite A Waipahu, HI 96797
Phone (808) 671-8383 Fax (808) 671-7979

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-1A Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-001	498-KH-1A1	green/ yellow	Yes	No	-	-	misc. part.	
					-	-	100	
498-002	498-KH-1A2	green/ yellow	Yes	No	-	-	misc. part.	
					-	-	100	
498-003	498-KH-1A3	green/ yellow	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/30/2017

Material ID and Description		Unified Sample Area Number
498-KH-1B	12" X 12" PINK W/ BROWN STREAKS VFT	498-KH-1B

Document Number:

Drawing/Sketch Number: 498-KH-1 — 498-KH-1

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

12" X 12" PINK W/ BROWN STREAKS VFT

Location of Confirmed, Assumed, or New ACM within Building

See Sketch 498-KH-1

various rooms and corridors

SAMPLING STRATEGY DATA

Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	4000
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	±4000

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
None	Significant	None

Visible	Reachable	Texture
More than 10%	Within reach	smooth

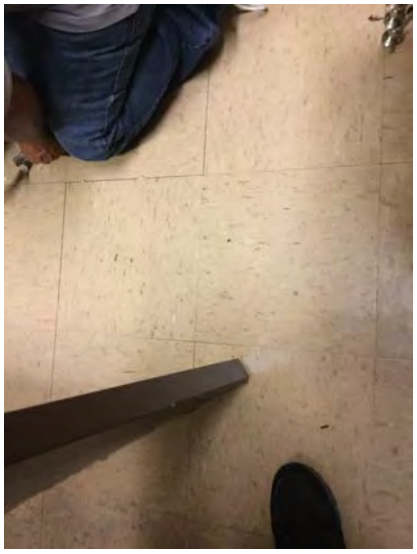
Barriers	Ventilation	If Yes	Friable Surface	
None	Yes	Both	No	Category I

Air Movement	Proximity to Repair Items	Activity
Low	Less than 1 ft.	High

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-1B1, 498-KH-1B2, 498-KH-1B3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**YES**
Number of Salient Designations:	

PHOTOGRAPH



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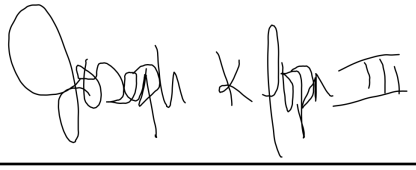
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-1B	12" X 12" PINK W/ BROWN STREAKS VFT

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-1B1	2	12" X 12" PINK W/ BROWN STREAKS VFT	See Sketch 498-KH-1
498-KH-1B2	2	12" X 12" PINK W/ BROWN STREAKS VFT	See Sketch 498-KH-1
498-KH-1B3	2	12" X 12" PINK W/ BROWN STREAKS VFT	See Sketch 498-KH-1

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/30/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-1B Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-004	498-KH-1B1	pink w/ brown streaks	Yes	Yes	chrysotile 2	- -	misc. part. 98	
498-005	498-KH-1B2	pink w/ brown streaks	Yes	Yes	chrysotile 2	- -	misc. part. 98	
498-006	498-KH-1B3	pink w/ brown streaks	Yes	Yes	chrysotile 2	- -	misc. part. 98	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/30/2017

Material ID and Description		Unified Sample Area Number
498-KH-1C	BLACK MASTIC BENEATH 12" X 12" PINK W/ BROWN STREAKS VFT	498-KH-1C

Document Number	Drawing/Sketch Number	
	498-KH-1	498-KH-1

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BLACK MASTIC BENEATH 12" X 12" PINK W/ BROWN STREAKS VFT

Location of Confirmed, Assumed, or New ACM within Building

See Sketch 498-KH-1

various rooms and corridors

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface	4000		
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:	±4000		

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
None	Moderate	None

Visible	Reachable	Texture
None visible	Within reach	smooth

Barriers	Ventilation	If Yes	Friable Surface	
Enclosed	Yes	Both	No	Category I

Air Movement	Proximity to Repair Items	Activity
Low	Less than 1 ft.	High

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-1C1, 498-KH-1C2, 498-KH-1C3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**YES**
Number of Salient Designations:	

PHOTOGRAPH



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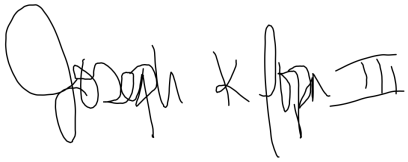
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-1C	BLACK MASTIC BENEATH 12" X 12" PINK W/ BROWN STREAKS VFT

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-1C1	2	BLACK MASTIC BENEATH 12" X 12" PINK W/ BROWN STREAKS VFT	See Sketch 498-KH-1
498-KH-1C2	2	BLACK MASTIC BENEATH 12" X 12" PINK W/ BROWN STREAKS VFT	See Sketch 498-KH-1
498-KH-1C3	2	BLACK MASTIC BENEATH 12" X 12" PINK W/ BROWN STREAKS VFT	See Sketch 498-KH-1

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/30/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-1C Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-007	498-KH-1C1	black	Yes	Yes	chrysotile	-	misc. part.	
					2	-	98	
498-008	498-KH-1C2	black	Yes	Yes	chrysotile	-	misc. part.	
					2	-	98	
498-009	498-KH-1C3	black	Yes	Yes	chrysotile	-	misc. part.	
					2	-	98	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/30/2017

Material ID and Description		Unified Sample Area Number
498-KH-1D	4" MAROON COVEBASE	498-KH-1D

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

4" MAROON COVEBASE

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

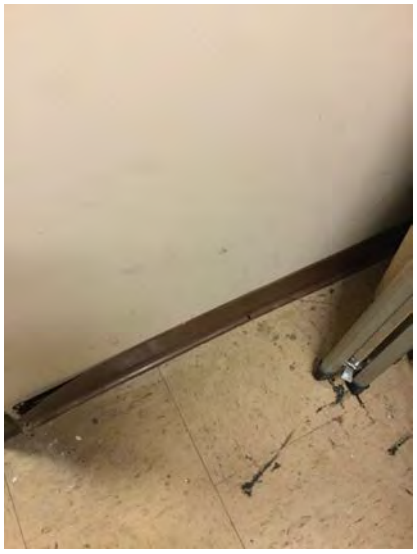
Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-1D1, 498-KH-1D2, 498-KH-1D3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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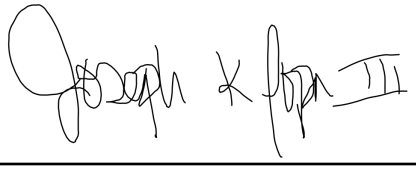
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-1D	4" MAROON COVEBASE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-1D1	0	4" MAROON COVEBASE	See Sketch 498-KH-1
498-KH-1D2	0	4" MAROON COVEBASE	See Sketch 498-KH-1
498-KH-1D3	0	4" MAROON COVEBASE	See Sketch 498-KH-1

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/30/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-1D Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-010	498-KH-1D1	maroon	Yes	No	-	-	misc. part.	
					-	-	100	
498-011	498-KH-1D2	maroon	Yes	No	-	-	misc. part.	
					-	-	100	
498-012	498-KH-1D3	maroon	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
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Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/30/2017

Material ID and Description		Unified Sample Area Number
498-KH-1E	BLACK ADHESIVE BENEATH 4" MAROON COVEBASE	498-KH-1E

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BLACK ADHESIVE BENEATH 4" MAROON COVEBASE

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-1E1, 498-KH-1E2, 498-KH-1E3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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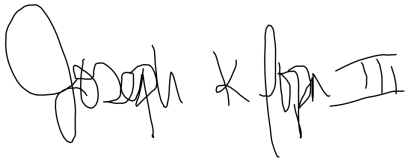
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-1E	BLACK ADHESIVE BENEATH 4" MAROON COVEBASE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-1E1	0	BLACK ADHESIVE BENEATH 4" MAROON COVEBASE	See Sketch 498-KH-1
498-KH-1E2	0	BLACK ADHESIVE BENEATH 4" MAROON COVEBASE	See Sketch 498-KH-1
498-KH-1E3	0	BLACK ADHESIVE BENEATH 4" MAROON COVEBASE	See Sketch 498-KH-1

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/30/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-1E Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-013	498-KH-1E1	brown/ black	Yes	No	-	-	misc. part.	
					-	-	100	
498-014	498-KH-1E2	brown/ black	Yes	No	-	-	misc. part.	
					-	-	100	
498-015	498-KH-1E3	brown/ black	Yes	No	-	-	misc. part.	
					-	-	100	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/30/2017

Material ID and Description		Unified Sample Area Number
498-KH-1F(L1)	4" O. D. BEIGE WRAP W/YELLOW INSULATION TSI RUNS AND ELBOWS	498-KH-1F(L1)

Document Number	Drawing/Sketch Number	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

4" O. D. BEIGE WRAP W/YELLOW INSULATION TSI RUNS AND ELBOWS

wrap layer

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-1F(L1)1, 498-KH-1F(L1)2, 498-KH -1F(L1)3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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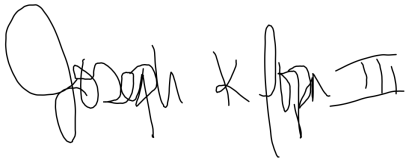
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-1F(L1)	4" O. D. BEIGE WRAP W/YELLOW INSULATION TSI RUNS AND ELBOWS

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-1F(L1)1	0	4" O. D. BEIGE WRAP W/YELLOW INSULATION TSI RUNS AND ELBOWS	See Sketch 498-KH-1
498-KH-1F(L1)2	0	4" O. D. BEIGE WRAP W/YELLOW INSULATION TSI RUNS AND ELBOWS	See Sketch 498-KH-1
498-KH-1F(L1)3	0	4" O. D. BEIGE WRAP W/YELLOW INSULATION TSI RUNS AND ELBOWS	See Sketch 498-KH-1

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/30/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-1F(L1) Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-016	498-KH-1F(L1)1	white	Yes	No	-	cellulose	misc. part.	
					-	20	80	
498-017	498-KH-1F(L1)2	white	Yes	No	-	cellulose	misc. part.	
					-	20	80	
498-018	498-KH-1F(L1)3	white	Yes	No	-	cellulose	misc. part.	
					-	20	80	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/30/2017

Material ID and Description		Unified Sample Area Number
498-KH-1F(L2)	4" O. D. BEIGE WRAP W/YELLOW INSULATION TSI RUNS AND ELBOWS	498-KH-1F(L2)

Document Number	Drawing/Sketch Number	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

4" O. D. BEIGE WRAP W/YELLOW INSULATION TSI RUNS AND ELBOWS

insulation layer

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-1F(L2)1, 498-KH-1F(L2)2, 498-KH -1F(L2)3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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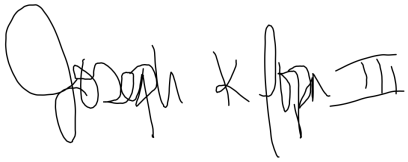
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-1F(L2)	4" O. D. BEIGE WRAP W/YELLOW INSULATION TSI RUNS AND ELBOWS

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-1F(L2)1	0	4" O. D. BEIGE WRAP W/YELLOW INSULATION TSI RUNS AND ELBOWS	See Sketch 498-KH-1
498-KH-1F(L2)2	0	4" O. D. BEIGE WRAP W/YELLOW INSULATION TSI RUNS AND ELBOWS	See Sketch 498-KH-1
498-KH-1F(L2)3	0	4" O. D. BEIGE WRAP W/YELLOW INSULATION TSI RUNS AND ELBOWS	See Sketch 498-KH-1

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/30/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-1F(L2) Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-019	498-KH-1F(L2)1	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	
498-020	498-KH-1F(L2)2	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	
498-021	498-KH-1F(L2)3	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/30/2017

Material ID and Description		Unified Sample Area Number
498-KH-1G	2' X 4' WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE	498-KH-1G

Document Number	Drawing/Sketch Number	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

2' X 4' WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-1G1, 498-KH-1G2, 498-KH-1G3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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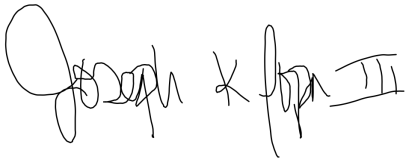
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-1G	2' X 4' WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-1G1	0	2' X 4' WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE	See Sketch 498-KH-1
498-KH-1G2	0	2' X 4' WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE	See Sketch 498-KH-1
498-KH-1G3	0	2' X 4' WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE	See Sketch 498-KH-1

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/30/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-1G Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-022	498-KH-1G1	white	Yes	No	-	cellulose, mineral	misc. part.	
					-	60	40	
498-023	498-KH-1G2	white	Yes	No	-	cellulose, mineral	misc. part.	
					-	60	40	
498-024	498-KH-1G3	white	Yes	No	-	cellulose, mineral	misc. part.	
					-	60	40	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/30/2017

Material ID and Description		Unified Sample Area Number
498-KH-1H	12" X 12" BEIGE W/GRAY STREAKS VFT	498-KH-1H

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

12" X 12" BEIGE W/GRAY STREAKS VFT

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-1H1, 498-KH-1H2, 498-KH-1H3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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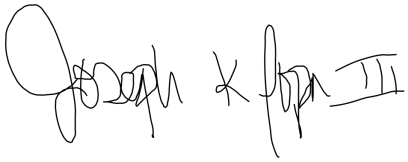
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-1H	12" X 12" BEIGE W/GRAY STREAKS VFT

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-1H1	0	12" X 12" BEIGE W/GRAY STREAKS VFT	See Sketch 498-KH-1
498-KH-1H2	0	12" X 12" BEIGE W/GRAY STREAKS VFT	See Sketch 498-KH-1
498-KH-1H3	0	12" X 12" BEIGE W/GRAY STREAKS VFT	See Sketch 498-KH-1

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/30/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
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NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-1H Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-025	498-KH-1H1	beige w/ gray streaks	Yes	No	-	-	misc. part.	
					-	-	100	
498-026	498-KH-1H2	beige w/ gray streaks	Yes	No	-	-	misc. part.	
					-	-	100	
498-027	498-KH-1H3	beige w/ gray streaks	Yes	No	-	-	misc. part.	
					-	-	100	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/30/2017

Material ID and Description		Document Number	Unified Sample Area Number
498-KH-1I	YELLOW ADHESIVE BENEATH 12" X 12" BEIGE W/GRAY STREAKS VFT		498-KH-1I

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

YELLOW ADHESIVE BENEATH 12" X 12" BEIGE W/GRAY STREAKS VFT

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-1I1, 498-KH-1I2, 498-KH-1I3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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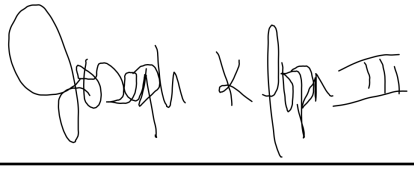
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-1I	YELLOW ADHESIVE BENEATH 12" X 12" BEIGE W/GRAY STREAKS VFT

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-1I1	0	YELLOW ADHESIVE BENEATH 12" X 12" BEIGE W/GRAY STREAKS VFT	See Sketch 498-KH-1
498-KH-1I2	0	YELLOW ADHESIVE BENEATH 12" X 12" BEIGE W/GRAY STREAKS VFT	See Sketch 498-KH-1
498-KH-1I3	0	YELLOW ADHESIVE BENEATH 12" X 12" BEIGE W/GRAY STREAKS VFT	See Sketch 498-KH-1

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/30/2017

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NVLAP LAB CODE 101807-0

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Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-1I Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-028	498-KH-1I1	yellow	Yes	No	-	-	misc. part.	
					-	-	100	
498-029	498-KH-1I2	yellow	Yes	No	-	-	misc. part.	
					-	-	100	
498-030	498-KH-1I3	yellow	Yes	No	-	-	misc. part.	
					-	-	100	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/30/2017

Material ID and Description		Unified Sample Area Number
498-KH-1J	4" BROWN COVEBASE	498-KH-1J

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

4" BROWN COVEBASE

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

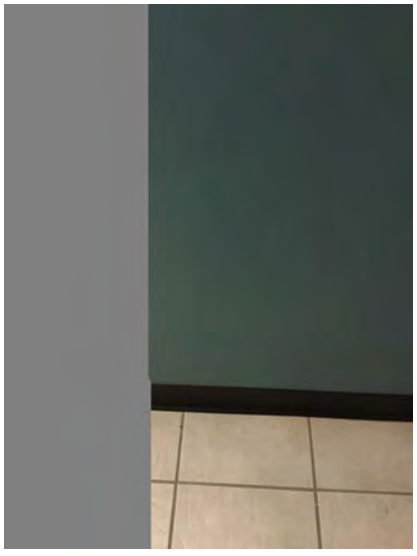
Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-1J1, 498-KH-1J2, 498-KH-1J3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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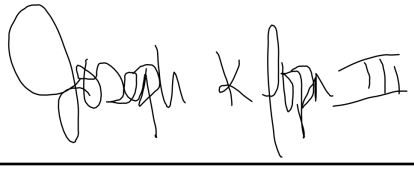
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-1J	4" BROWN COVEBASE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-1J1	0	4" BROWN COVEBASE	See Sketch 498-KH-1
498-KH-1J2	0	4" BROWN COVEBASE	See Sketch 498-KH-1
498-KH-1J3	0	4" BROWN COVEBASE	See Sketch 498-KH-1

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/30/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-1J Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-031	498-KH-1J1	brown	Yes	No	-	-	misc. part.	
					-	-	100	
498-032	498-KH-1J2	brown	Yes	No	-	-	misc. part.	
					-	-	100	
498-033	498-KH-1J3	brown	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/30/2017

Material ID and Description		Unified Sample Area Number
498-KH-1K	YELLOW ADHESIVE BENEATH 4" BROWN COVEBASE	498-KH-1K

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

YELLOW ADHESIVE BENEATH 4" BROWN COVEBASE

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

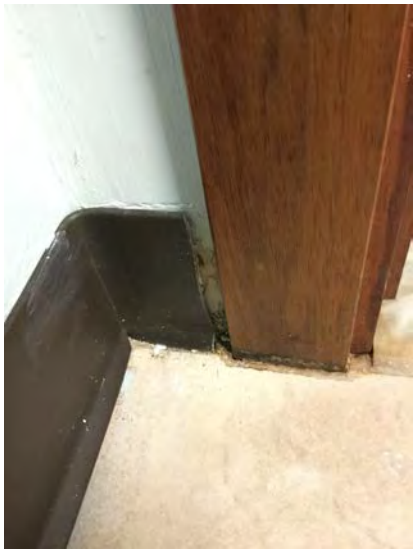
Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-1K1, 498-KH-1K2, 498-KH-1K3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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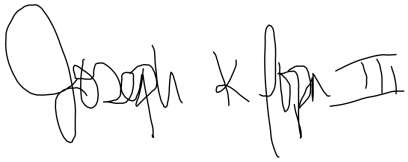
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-1K	YELLOW ADHESIVE BENEATH 4" BROWN COVEBASE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-1K1	0	YELLOW ADHESIVE BENEATH 4" BROWN COVEBASE	See Sketch 498-KH-1
498-KH-1K2	0	YELLOW ADHESIVE BENEATH 4" BROWN COVEBASE	See Sketch 498-KH-1
498-KH-1K3	0	YELLOW ADHESIVE BENEATH 4" BROWN COVEBASE	See Sketch 498-KH-1

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/30/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-1K Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-034	498-KH-1K1	yellow	Yes	No	-	-	misc. part.	
					-	-	100	
498-035	498-KH-1K2	yellow	Yes	No	-	-	misc. part.	
					-	-	100	
498-036	498-KH-1K3	yellow	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/30/2017

Material ID and Description		Unified Sample Area Number
498-KH-1L	WHITE CAULKING AT PLUMBING FIXTURE	498-KH-1L

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

WHITE CAULKING AT PLUMBING FIXTURE

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

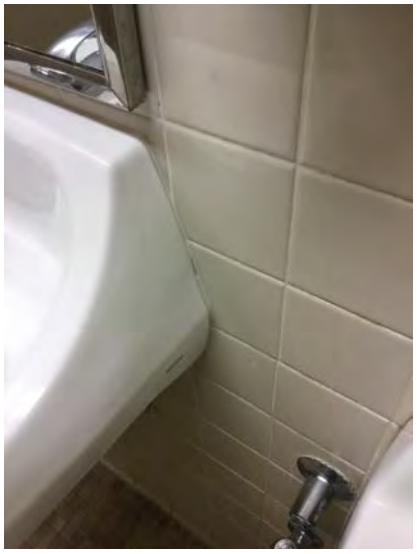
Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-1L1, 498-KH-1L2, 498-KH-1L3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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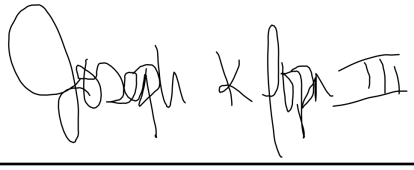
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-1L	WHITE CAULKING AT PLUMBING FIXTURE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-1L1	0	WHITE CAULKING AT PLUMBING FIXTURE	See Sketch 498-KH-1
498-KH-1L2	0	WHITE CAULKING AT PLUMBING FIXTURE	See Sketch 498-KH-1
498-KH-1L3	0	WHITE CAULKING AT PLUMBING FIXTURE	See Sketch 498-KH-1

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/30/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-1L Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-037	498-KH-1L1	white	Yes	No	-	-	misc. part.	
					-	-	100	
498-038	498-KH-1L2	white	Yes	No	-	-	misc. part.	
					-	-	100	
498-039	498-KH-1L3	white	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/30/2017

Material ID and Description		Unified Sample Area Number
498-KH-1M	BROWN CAULKING AT WINDOW FRAME	498-KH-1M

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BROWN CAULKING AT WINDOW FRAME

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-1M1, 498-KH-1M2, 498-KH-1M3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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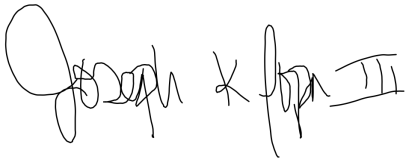
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-1M	BROWN CAULKING AT WINDOW FRAME

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-1M1	0	BROWN CAULKING AT WINDOW FRAME	See Sketch 498-KH-1
498-KH-1M2	0	BROWN CAULKING AT WINDOW FRAME	See Sketch 498-KH-1
498-KH-1M3	0	BROWN CAULKING AT WINDOW FRAME	See Sketch 498-KH-1

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/30/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-1M Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-040	498-KH-1M1	brown	Yes	No	-	-	misc. part.	
					-	-	100	
498-041	498-KH-1M2	brown	Yes	No	-	-	misc. part.	
					-	-	100	
498-042	498-KH-1M3	brown	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
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Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/30/2017
	Material ID and Description		
Document Number	498-KH-1N	BROWN CAULKING AT DOOR FRAME	Unified Sample Area Number
	Drawing/Sketch Number		
			498-KH-1N

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BROWN CAULKING AT DOOR FRAME

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -
Visible	**Reachable**	**Texture**
- -	- -	- -
Barriers	**Ventilation**	**If Yes** / **Friable Surface**
- -	- -	- - / - - / - -
Air Movement	**Proximity to Repair Items**	**Activity**
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-1N1, 498-KH-1N2, 498-KH-1N3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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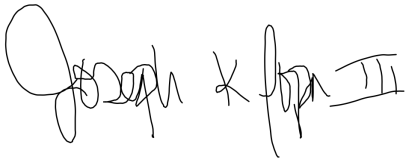
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-1N	BROWN CAULKING AT DOOR FRAME

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-1N1	0	BROWN CAULKING AT DOOR FRAME	See Sketch 498-KH-1
498-KH-1N2	0	BROWN CAULKING AT DOOR FRAME	See Sketch 498-KH-1
498-KH-1N3	0	BROWN CAULKING AT DOOR FRAME	See Sketch 498-KH-1

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/30/2017

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Phone (808) 671-8383 Fax (808) 671-7979

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-1N Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-043	498-KH-1N1	brown	Yes	No	-	-	misc. part.	
					-	-	100	
498-044	498-KH-1N2	brown	Yes	No	-	-	misc. part.	
					-	-	100	
498-045	498-KH-1N3	brown	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
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Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/30/2017

Material ID and Description		Unified Sample Area Number
498-KH-1O	WHITE GYPSUM WALLBOARD/MUDJOINT WALL AND CEILING SYSTEM	498-KH-1O

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

WHITE GYPSUM WALLBOARD/MUDJOINT WALL AND CEILING SYSTEM

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

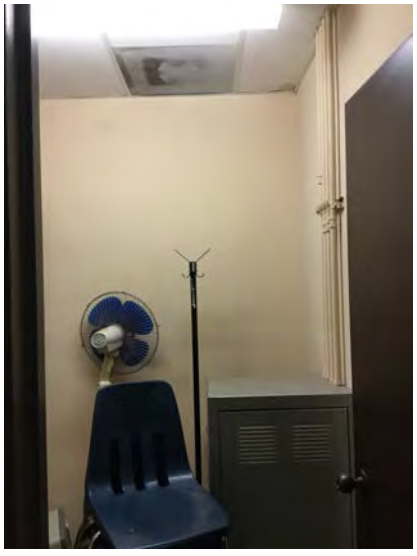
Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-1O1, 498-KH-1O2, 498-KH-1O3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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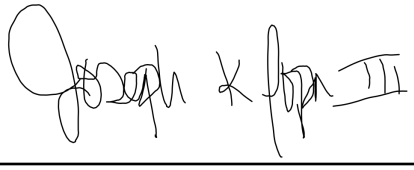
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-1O	WHITE GYPSUM WALLBOARD/MUDJOINT WALL AND CEILING SYSTEM

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-1O1	0	WHITE GYPSUM WALLBOARD/MUDJOINT WALL AND CEILING SYSTEM	See Sketch 498-KH-1
498-KH-1O2	0	WHITE GYPSUM WALLBOARD/MUDJOINT WALL AND CEILING SYSTEM	See Sketch 498-KH-1
498-KH-1O3	0	WHITE GYPSUM WALLBOARD/MUDJOINT WALL AND CEILING SYSTEM	See Sketch 498-KH-1

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/30/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-1O Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-046	498-KH-1O1	white	Yes	No	-	cellulose	misc. part.	
					-	9	91	
498-047	498-KH-1O2	white	Yes	No	-	cellulose	misc. part.	
					-	9	91	
498-048	498-KH-1O3	white	Yes	No	-	cellulose	misc. part.	
					-	9	91	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/30/2017
Material ID and Description			
Document Number	498-KH-1P	4" BLACK COVEBASE	Unified Sample Area Number
	Drawing/Sketch Number		498-KH-1P

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

4" BLACK COVEBASE

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

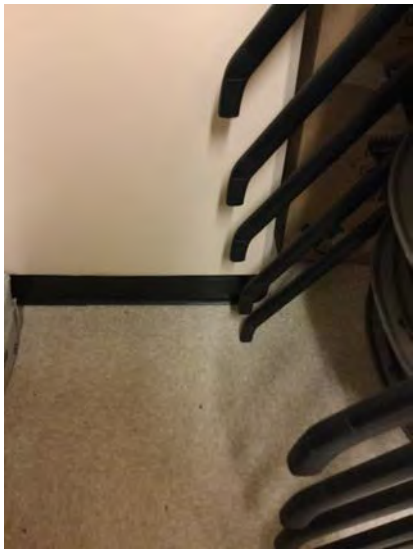
RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -
Visible	**Reachable**	**Texture**
- -	- -	- -
Barriers	**Ventilation**	**If Yes**
- -	- -	- -
Friable Surface		
- -	- -	
Air Movement	**Proximity to Repair Items**	**Activity**
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-1P1, 498-KH-1P2, 498-KH-1P3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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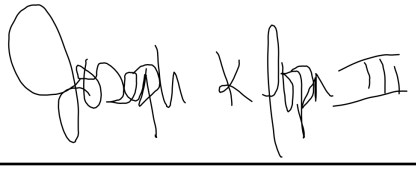
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-1P	4" BLACK COVEBASE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-1P1	0	4" BLACK COVEBASE	See Sketch 498-KH-1
498-KH-1P2	0	4" BLACK COVEBASE	See Sketch 498-KH-1
498-KH-1P3	0	4" BLACK COVEBASE	See Sketch 498-KH-1

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/30/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-1P Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-049	498-KH-1P1	black	Yes	No	-	-	misc. part.	
					-	-	100	
498-050	498-KH-1P2	black	Yes	No	-	-	misc. part.	
					-	-	100	
498-051	498-KH-1P3	black	Yes	No	-	-	misc. part.	
					-	-	100	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/30/2017

Material ID and Description		Unified Sample Area Number
498-KH-1Q	YELLOW ADHESIVE BENEATH 4" BLACK COVEBASE	498-KH-1Q

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

YELLOW ADHESIVE BENEATH 4" BLACK COVEBASE

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-1Q1, 498-KH-1Q2, 498-KH-1Q3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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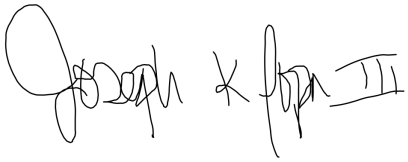
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-1Q	YELLOW ADHESIVE BENEATH 4" BLACK COVEBASE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-1Q1	0	YELLOW ADHESIVE BENEATH 4" BLACK COVEBASE	See Sketch 498-KH-1
498-KH-1Q2	0	YELLOW ADHESIVE BENEATH 4" BLACK COVEBASE	See Sketch 498-KH-1
498-KH-1Q3	0	YELLOW ADHESIVE BENEATH 4" BLACK COVEBASE	See Sketch 498-KH-1

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/30/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-1Q Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-052	498-KH-1Q1	yellow	Yes	No	-	-	misc. part.	
					-	-	100	
498-053	498-KH-1Q2	yellow	Yes	No	-	-	misc. part.	
					-	-	100	
498-054	498-KH-1Q3	yellow	Yes	No	-	-	misc. part.	
					-	-	100	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/30/2017

Material ID and Description		Unified Sample Area Number
498-KH-1R	1" BLACK THRESHOLD	498-KH-1R

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

1" BLACK THRESHOLD

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-1R1, 498-KH-1R2, 498-KH-1R3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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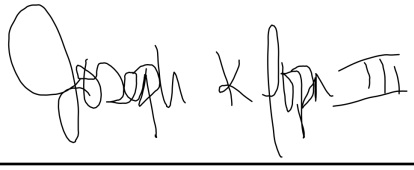
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-1R	1" BLACK THRESHOLD

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-1R1	0	1" BLACK THRESHOLD	See Sketch 498-KH-1
498-KH-1R2	0	1" BLACK THRESHOLD	See Sketch 498-KH-1
498-KH-1R3	0	1" BLACK THRESHOLD	See Sketch 498-KH-1

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/30/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
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NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-1R Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-055	498-KH-1R1	black	Yes	No	-	-	misc. part.	
					-	-	100	
498-056	498-KH-1R2	black	Yes	No	-	-	misc. part.	
					-	-	100	
498-057	498-KH-1R3	black	Yes	No	-	-	misc. part.	
					-	-	100	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/30/2017

Material ID and Description		Unified Sample Area Number
498-KH-1S	YELLOW ADHESIVE BENEATH 1" BLACK THRESHOLD	498-KH-1S

Document Number:

Drawing/Sketch Number:

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Unified Sample Area/Homogeneous Material

YELLOW ADHESIVE BENEATH 1" BLACK THRESHOLD

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

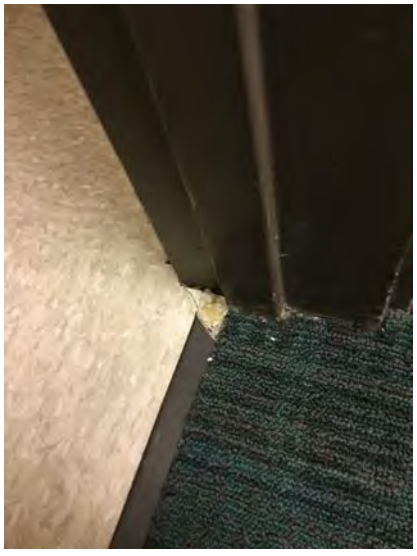
Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-1S1, 498-KH-1S2, 498-KH-1S3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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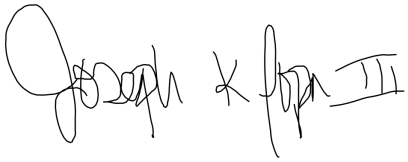
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-1S	YELLOW ADHESIVE BENEATH 1" BLACK THRESHOLD

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-1S1	0	YELLOW ADHESIVE BENEATH 1" BLACK THRESHOLD	See Sketch 498-KH-1
498-KH-1S2	0	YELLOW ADHESIVE BENEATH 1" BLACK THRESHOLD	See Sketch 498-KH-1
498-KH-1S3	0	YELLOW ADHESIVE BENEATH 1" BLACK THRESHOLD	See Sketch 498-KH-1

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/30/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-1S Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-058	498-KH-1S1	yellow	Yes	No	-	-	misc. part.	
					-	-	100	
498-059	498-KH-1S2	yellow	Yes	No	-	-	misc. part.	
					-	-	100	
498-060	498-KH-1S3	yellow	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/30/2017

Material ID and Description		Unified Sample Area Number
498-KH-1T	BROWN DUCT MASTIC	498-KH-1T

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BROWN DUCT MASTIC

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-1T1, 498-KH-1T2, 498-KH-1T3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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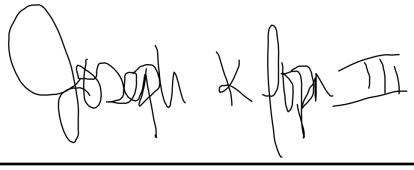
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-1T	BROWN DUCT MASTIC

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-1T1	0	BROWN DUCT MASTIC	See Sketch 498-KH-1
498-KH-1T2	0	BROWN DUCT MASTIC	See Sketch 498-KH-1
498-KH-1T3	0	BROWN DUCT MASTIC	See Sketch 498-KH-1

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/30/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-1T Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-061	498-KH-1T1	brown	Yes	No	-	-	misc. part.	
					-	-	100	
498-062	498-KH-1T2	brown	Yes	No	-	-	misc. part.	
					-	-	100	
498-063	498-KH-1T3	brown	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/30/2017
	Material ID and Description		
Document Number	498-KH-1U	BLACK VIBRATION CLOTH	Unified Sample Area Number
	Drawing/Sketch Number		
			498-KH-1U

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BLACK VIBRATION CLOTH

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -
Visible	**Reachable**	**Texture**
- -	- -	- -
Barriers	**Ventilation** / **If Yes**	**Friable Surface**
- -	- - / - -	- - / - -
Air Movement	**Proximity to Repair Items**	**Activity**
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-1U1, 498-KH-1U2, 498-KH-1U3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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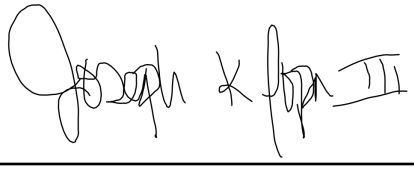
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-1U	BLACK VIBRATION CLOTH

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-1U1	0	BLACK VIBRATION CLOTH	See Sketch 498-KH-1
498-KH-1U2	0	BLACK VIBRATION CLOTH	See Sketch 498-KH-1
498-KH-1U3	0	BLACK VIBRATION CLOTH	See Sketch 498-KH-1

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/30/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-1U Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-064	498-KH-1U1	black	Yes	No	-	synthetic	misc. part.	
					-	20	80	
498-065	498-KH-1U2	black	Yes	No	-	synthetic	misc. part.	
					-	20	80	
498-066	498-KH-1U3	black	Yes	No	-	synthetic	misc. part.	
					-	20	80	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/30/2017

Material ID and Description		Unified Sample Area Number
498-KH-1V	12" X 12" OFF-WHITE W/GRAY STREAKS VFT	498-KH-1V

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

12" X 12" OFF-WHITE W/GRAY STREAKS VFT

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-1V1, 498-KH-1V2, 498-KH-1V3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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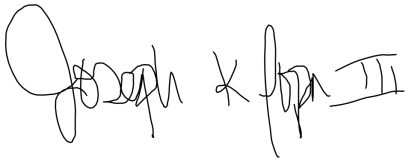
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-1V	12" X 12" OFF-WHITE W/GRAY STREAKS VFT

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-1V1	0	12" X 12" OFF-WHITE W/GRAY STREAKS VFT	See Sketch 498-KH-1
498-KH-1V2	0	12" X 12" OFF-WHITE W/GRAY STREAKS VFT	See Sketch 498-KH-1
498-KH-1V3	0	12" X 12" OFF-WHITE W/GRAY STREAKS VFT	See Sketch 498-KH-1

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/30/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-1V Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-067	498-KH-1V1	off white w/ gray streaks	Yes	No	-	-	misc. part.	
					-	-	100	
498-068	498-KH-1V2	off white w/ gray streaks	Yes	No	-	-	misc. part.	
					-	-	100	
498-069	498-KH-1V3	off white w/ gray streaks	Yes	No	-	-	misc. part.	
					-	-	100	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/30/2017

Material ID and Description		Unified Sample Area Number
498-KH-1W	YELLOW ADHESIVE BENEATH 12" X 12" OFF-WHITE W/GRAY STREAKS VFT	498-KH-1W

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

YELLOW ADHESIVE BENEATH 12" X 12" OFF-WHITE W/GRAY STREAKS VFT

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-1W1, 498-KH-1W2, 498-KH-1W3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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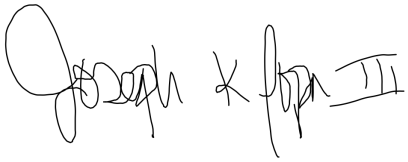
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-1W	YELLOW ADHESIVE BENEATH 12" X 12" OFF-WHITE W/GRAY STREAKS VFT

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-1W1	0	YELLOW ADHESIVE BENEATH 12" X 12" OFF-WHITE W/GRAY STREAKS VFT	See Sketch 498-KH-1
498-KH-1W2	0	YELLOW ADHESIVE BENEATH 12" X 12" OFF-WHITE W/GRAY STREAKS VFT	See Sketch 498-KH-1
498-KH-1W3	0	YELLOW ADHESIVE BENEATH 12" X 12" OFF-WHITE W/GRAY STREAKS VFT	See Sketch 498-KH-1

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/30/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-1W Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-070	498-KH-1W1	yellow	Yes	No	-	-	misc. part.	
					-	-	100	
498-071	498-KH-1W2	yellow	Yes	No	-	-	misc. part.	
					-	-	100	
498-072	498-KH-1W3	yellow	Yes	No	-	-	misc. part.	
					-	-	100	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/30/2017

Material ID and Description		Unified Sample Area Number
498-KH-1X(L1)	4" O. D. BEIGE WRAP W/YELLOW INSULATION TSI	498-KH-1X(L1)

Document Number	Drawing/Sketch Number	

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Unified Sample Area/Homogeneous Material

4" O. D. BEIGE WRAP W/YELLOW INSULATION TSI

wrap layer

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-1X(L1)1, 498-KH-1X(L1)2, 498-KH -1X(L1)3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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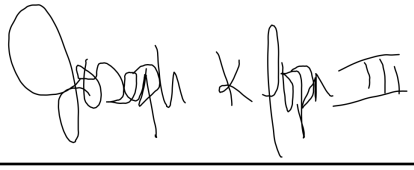
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-1X(L1)	4" O. D. BEIGE WRAP W/YELLOW INSULATION TSI

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-1X(L1)1	0	4" O. D. BEIGE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-1
498-KH-1X(L1)2	0	4" O. D. BEIGE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-1
498-KH-1X(L1)3	0	4" O. D. BEIGE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-1

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/30/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-1X(L1) Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-073	498-KH-1X(L1)1	white	Yes	No	-	cellulose	misc. part.	
					-	20	80	
498-074	498-KH-1X(L1)2	white	Yes	No	-	cellulose	misc. part.	
					-	20	80	
498-075	498-KH-1X(L1)3	white	Yes	No	-	cellulose	misc. part.	
					-	20	80	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/30/2017

Material ID and Description		Unified Sample Area Number
498-KH-1X(L2)	4" O. D. BEIGE WRAP W/YELLOW INSULATION TSI	498-KH-1X(L2)

Document Number	Drawing/Sketch Number	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

4" O. D. BEIGE WRAP W/YELLOW INSULATION TSI

insulation layer

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-1X(L2)1, 498-KH-1X(L2)2, 498-KH -1X(L2)3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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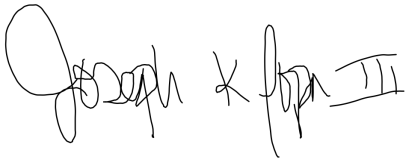
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-1X(L2)	4" O. D. BEIGE WRAP W/YELLOW INSULATION TSI

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-1X(L2)1	0	4" O. D. BEIGE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-1
498-KH-1X(L2)2	0	4" O. D. BEIGE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-1
498-KH-1X(L2)3	0	4" O. D. BEIGE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-1

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/30/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-1X(L2) Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-076	498-KH-1X(L2)1	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	
498-077	498-KH-1X(L2)2	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	
498-078	498-KH-1X(L2)3	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/30/2017

Material ID and Description		Unified Sample Area Number
498-KH-1Y	2' X 4' WHITE ACOUSTICAL CEILING TILE	498-KH-1Y

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

2' X 4' WHITE ACOUSTICAL CEILING TILE

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

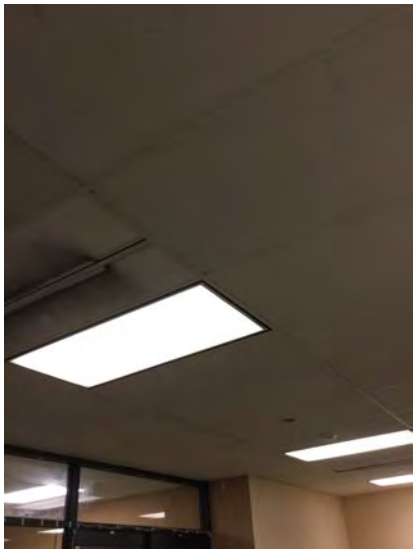
Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-1Y1, 498-KH-1Y2, 498-KH-1Y3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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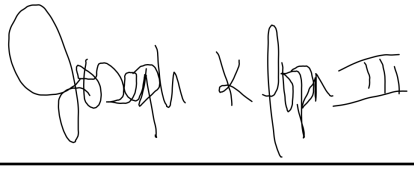
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-1Y	2' X 4' WHITE ACOUSTICAL CEILING TILE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-1Y1	0	2' X 4' WHITE ACOUSTICAL CEILING TILE	See Sketch 498-KH-1
498-KH-1Y2	0	2' X 4' WHITE ACOUSTICAL CEILING TILE	See Sketch 498-KH-1
498-KH-1Y3	0	2' X 4' WHITE ACOUSTICAL CEILING TILE	See Sketch 498-KH-1

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/30/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-1Y Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-079	498-KH-1Y1	white	Yes	No	- -	fibrous glass 90	misc. part. 10	
498-080	498-KH-1Y2	white	Yes	No	- -	fibrous glass 90	misc. part. 10	
498-081	498-KH-1Y3	white	Yes	No	- -	fibrous glass 90	misc. part. 10	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
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Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/30/2017

Material ID and Description		Unified Sample Area Number
498-KH-1Z	BLACK SINK INSULATION	498-KH-1Z

Document Number	Drawing/Sketch Number	
	498-KH-1	498-KH-1

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BLACK SINK INSULATION

Location of Confirmed, Assumed, or New ACM within Building

See Sketch 498-KH-1

Adult Probation Lounge, Supplies Staff Room, and Dark Room sinks

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM	12		
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:	±12		

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
None	Moderate	None

Visible	Reachable	Texture
More than 10%	Within reach	smooth

Barriers	Ventilation	If Yes	Friable Surface	
None	Yes	Both	No	Category I

Air Movement	Proximity to Repair Items	Activity
Low	Less than 1 ft.	High

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-1Z1, 498-KH-1Z2, 498-KH-1Z3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**YES**
Number of Salient Designations:	

PHOTOGRAPH



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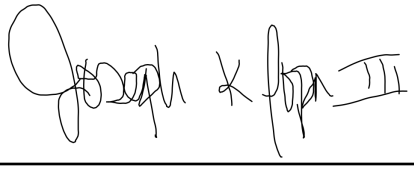
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-1Z	BLACK SINK INSULATION

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-1Z1	2	BLACK SINK INSULATION	See Sketch 498-KH-1
498-KH-1Z2	2	BLACK SINK INSULATION	See Sketch 498-KH-1
498-KH-1Z3	2	BLACK SINK INSULATION	See Sketch 498-KH-1

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/30/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-1Z Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-082	498-KH-1Z1	black	Yes	Yes	chrysotile 2	cellulose 2	misc. part. 96	
498-083	498-KH-1Z2	black	Yes	Yes	chrysotile 2	cellulose 2	misc. part. 96	
498-084	498-KH-1Z3	black	Yes	Yes	chrysotile 2	cellulose 2	misc. part. 96	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/30/2017

Material ID and Description		Unified Sample Area Number
498-KH-1AA	GRAY SINK INSULATION	498-KH-1AA

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

GRAY SINK INSULATION

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-1AA1, 498-KH-1AA2, 498-KH-1AA3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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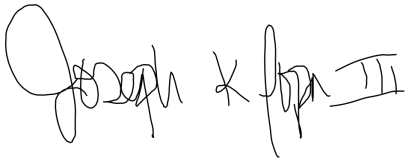
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-1AA	GRAY SINK INSULATION

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-1AA1	0	GRAY SINK INSULATION	See Sketch 498-KH-1
498-KH-1AA2	0	GRAY SINK INSULATION	See Sketch 498-KH-1
498-KH-1AA3	0	GRAY SINK INSULATION	See Sketch 498-KH-1

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/30/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-1AA Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-085	498-KH-1AA1	gray	Yes	No	-	cellulose	misc. part.	
					-	2	98	
498-086	498-KH-1AA2	gray	Yes	No	-	cellulose	misc. part.	
					-	2	98	
498-087	498-KH-1AA3	gray	Yes	No	-	cellulose	misc. part.	
					-	2	98	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/30/2017

Material ID and Description		Unified Sample Area Number
498-KH-1BB	WHITE CAULKING AT COUNTERTOP	498-KH-1BB

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

WHITE CAULKING AT COUNTERTOP

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

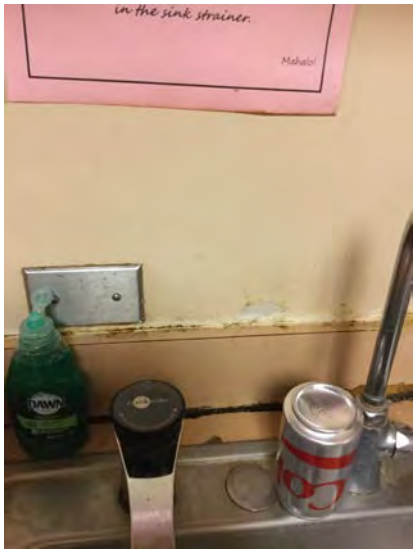
Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-1BB1, 498-KH-1BB2, 498-KH-1BB3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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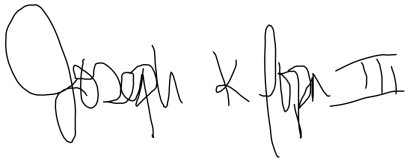
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-1BB	WHITE CAULKING AT COUNTERTOP

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-1BB1	0	WHITE CAULKING AT COUNTERTOP	See Sketch 498-KH-1
498-KH-1BB2	0	WHITE CAULKING AT COUNTERTOP	See Sketch 498-KH-1
498-KH-1BB3	0	WHITE CAULKING AT COUNTERTOP	See Sketch 498-KH-1

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/30/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-1BB Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-088	498-KH-1BB1	white	Yes	No	-	-	misc. part.	
					-	-	100	
498-089	498-KH-1BB2	white	Yes	No	-	-	misc. part.	
					-	-	100	
498-090	498-KH-1BB3	white	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/30/2017

Material ID and Description		Unified Sample Area Number
498-KH-1CC	4" LIGHT BROWN COVEBASE (BRITTLE)	498-KH-1CC

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

4" LIGHT BROWN COVEBASE (BRITTLE)

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-1CC1, 498-KH-1CC2, 498-KH-1CC3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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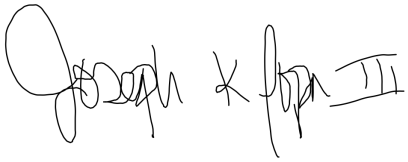
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-1CC	4" LIGHT BROWN COVEBASE (BRITTLE)

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-1CC1	0	4" LIGHT BROWN COVEBASE (BRITTLE)	See Sketch 498-KH-1
498-KH-1CC2	0	4" LIGHT BROWN COVEBASE (BRITTLE)	See Sketch 498-KH-1
498-KH-1CC3	0	4" LIGHT BROWN COVEBASE (BRITTLE)	See Sketch 498-KH-1

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/30/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-1CC Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-091	498-KH-1CC1	lt brown	Yes	No	-	-	misc. part.	
					-	-	100	
498-092	498-KH-1CC2	lt brown	Yes	No	-	-	misc. part.	
					-	-	100	
498-093	498-KH-1CC3	lt brown	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/30/2017

Material ID and Description		Unified Sample Area Number
498-KH-1DD	BLACK ADHESIVE BENEATH 4" LIGHT BROWN COVEBASE	498-KH-1DD

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BLACK ADHESIVE BENEATH 4" LIGHT BROWN COVEBASE

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-1DD1, 498-KH-1DD2, 498-KH-1DD3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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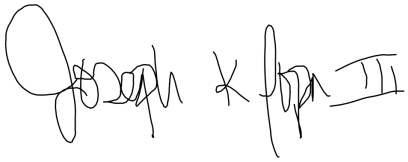
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-1DD	BLACK ADHESIVE BENEATH 4" LIGHT BROWN COVEBASE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-1DD1	0	BLACK ADHESIVE BENEATH 4" LIGHT BROWN COVEBASE	See Sketch 498-KH-1
498-KH-1DD2	0	BLACK ADHESIVE BENEATH 4" LIGHT BROWN COVEBASE	See Sketch 498-KH-1
498-KH-1DD3	0	BLACK ADHESIVE BENEATH 4" LIGHT BROWN COVEBASE	See Sketch 498-KH-1

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/30/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-1DD Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-094	498-KH-1DD1	brown/ black	Yes	No	-	wollastonite	misc. part.	
					-	2	98	
498-095	498-KH-1DD2	brown/ black	Yes	No	-	wollastonite	misc. part.	
					-	2	98	
498-096	498-KH-1DD3	brown/ black	Yes	No	-	wollastonite	misc. part.	
					-	2	98	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/30/2017

Material ID and Description		Unified Sample Area Number
498-KH-1EE(L1)	BEIGE PLASTER W/SKIM COAT	498-KH-1EE(L1)

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BEIGE PLASTER W/SKIM COAT

skim coat layer

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-1EE(L1)1, 498-KH-1EE(L1)2, 498-KH-1EE(L1)3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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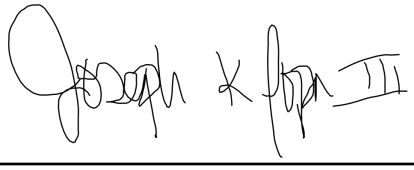
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-1EE(L1)	BEIGE PLASTER W/SKIM COAT

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-1EE(L1)1	0	BEIGE PLASTER W/SKIM COAT	See Sketch 498-KH-1
498-KH-1EE(L1)2	0	BEIGE PLASTER W/SKIM COAT	See Sketch 498-KH-1
498-KH-1EE(L1)3	0	BEIGE PLASTER W/SKIM COAT	See Sketch 498-KH-1

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/30/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-1EE(L1) Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-097	498-KH-1EE(L1)1	white	Yes	No	-	-	misc. part.	
					-	-	100	
498-098	498-KH-1EE(L1)2	white	Yes	No	-	-	misc. part.	
					-	-	100	
498-099	498-KH-1EE(L1)3	white	Yes	No	-	-	misc. part.	
					-	-	100	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/30/2017

Material ID and Description		Unified Sample Area Number
498-KH-1EE(L2)	BEIGE PLASTER W/SKIM COAT	498-KH-1EE(L2)

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BEIGE PLASTER W/SKIM COAT

plaster layer

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-1EE(L2)1, 498-KH-1EE(L2)2, 498-KH-1EE(L2)3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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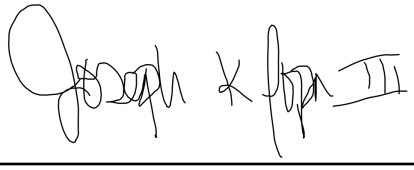
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-1EE(L2)	BEIGE PLASTER W/SKIM COAT

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-1EE(L2)1	0	BEIGE PLASTER W/SKIM COAT	See Sketch 498-KH-1
498-KH-1EE(L2)2	0	BEIGE PLASTER W/SKIM COAT	See Sketch 498-KH-1
498-KH-1EE(L2)3	0	BEIGE PLASTER W/SKIM COAT	See Sketch 498-KH-1

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/30/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-1EE(L2) Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-100	498-KH-1EE(L2)1	white	Yes	No	-	-	misc. part.	
					-	-	100	
498-101	498-KH-1EE(L2)2	white	Yes	No	-	-	misc. part.	
					-	-	100	
498-102	498-KH-1EE(L2)3	white	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/30/2017

Material ID and Description		Unified Sample Area Number
498-KH-1FF(L1)	8" O. D. BEIGE WRAP W/YELLOW INSULATION TSI	498-KH-1FF(L1)

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

8" O. D. BEIGE WRAP W/YELLOW INSULATION TSI

wrap layer

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-1FF(L1)1, 498-KH-1FF(L1)2, 498-KH-1FF(L1)3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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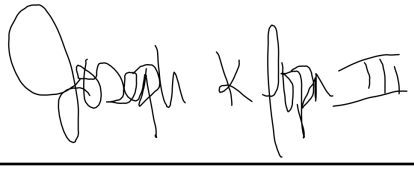
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-1FF(L1)	8" O. D. BEIGE WRAP W/YELLOW INSULATION TSI

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-1FF(L1)1	0	8" O. D. BEIGE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-1
498-KH-1FF(L1)2	0	8" O. D. BEIGE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-1
498-KH-1FF(L1)3	0	8" O. D. BEIGE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-1

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/30/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-1FF(L1) Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-103	498-KH-1FF(L1)1	white	Yes	No	-	cellulose, synthetic	misc. part.	
					-	20	80	
498-104	498-KH-1FF(L1)2	white	Yes	No	-	cellulose, synthetic	misc. part.	
					-	20	80	
498-105	498-KH-1FF(L1)3	white	Yes	No	-	cellulose, synthetic	misc. part.	
					-	20	80	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/30/2017

Material ID and Description		Unified Sample Area Number
498-KH-1FF(L2)	8" O. D. BEIGE WRAP W/YELLOW INSULATION TSI	498-KH-1FF(L2)

Document Number	Drawing/Sketch Number	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

8" O. D. BEIGE WRAP W/YELLOW INSULATION TSI

insulation layer

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-1FF(L2)1, 498-KH-1FF(L2)2, 498-KH-1FF(L2)3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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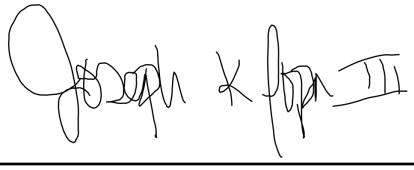
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-1FF(L2)	8" O. D. BEIGE WRAP W/YELLOW INSULATION TSI

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-1FF(L2)1	0	8" O. D. BEIGE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-1
498-KH-1FF(L2)2	0	8" O. D. BEIGE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-1
498-KH-1FF(L2)3	0	8" O. D. BEIGE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-1

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/30/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-1FF(L2) Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-106	498-KH-1FF(L2)1	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	
498-107	498-KH-1FF(L2)2	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	
498-108	498-KH-1FF(L2)3	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/30/2017

Material ID and Description		Unified Sample Area Number
498-KH-1GG (L1)	10" O. D. BEIGE WRAP W/YELLOW INSULATION TSI	498-KH-1GG(L1)

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

10" O. D. BEIGE WRAP W/YELLOW INSULATION TSI

wrap layer

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

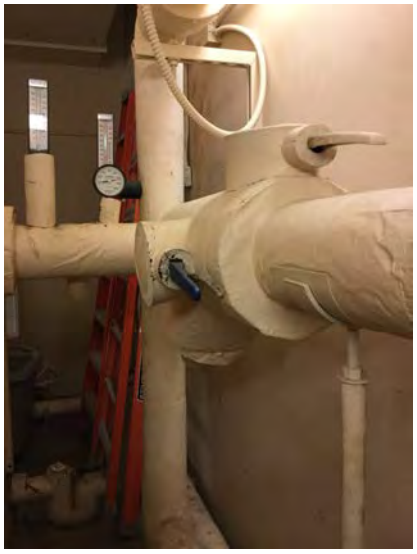
Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-1GG(L1)1, 498-KH-1GG(L1)2, 498-KH-1GG(L1)3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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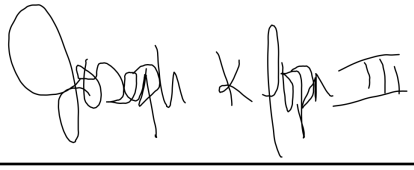
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-1GG(L1)	10" O. D. BEIGE WRAP W/YELLOW INSULATION TSI

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-1GG(L1)1	0	10" O. D. BEIGE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-1
498-KH-1GG(L1)2	0	10" O. D. BEIGE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-1
498-KH-1GG(L1)3	0	10" O. D. BEIGE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-1

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/30/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-1GG(L1) Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-109	498-KH-1GG(L1)1	white	Yes	No	-	cellulose, synthetic	misc. part.	
					-	20	80	
498-110	498-KH-1GG(L1)2	white	Yes	No	-	cellulose, synthetic	misc. part.	
					-	20	80	
498-111	498-KH-1GG(L1)3	white	Yes	No	-	cellulose, synthetic	misc. part.	
					-	20	80	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/30/2017

Material ID and Description		Unified Sample Area Number
498-KH-1GG (L2)	10" O. D. BEIGE WRAP W/YELLOW INSULATION TSI	498-KH-1GG(L2)

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

10" O. D. BEIGE WRAP W/YELLOW INSULATION TSI

insulation layer

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

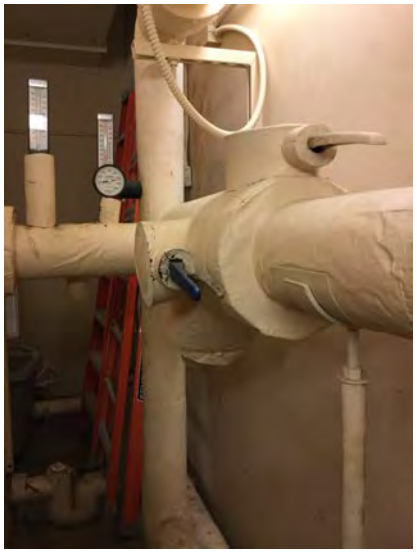
Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-1GG(L2)1, 498-KH-1GG(L2)2, 498-KH-1GG(L2)3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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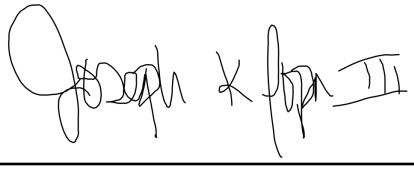
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-1GG(L2)	10" O. D. BEIGE WRAP W/YELLOW INSULATION TSI

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-1GG(L2)1	0	10" O. D. BEIGE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-1
498-KH-1GG(L2)2	0	10" O. D. BEIGE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-1
498-KH-1GG(L2)3	0	10" O. D. BEIGE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-1

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/30/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-1GG(L2) Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-112	498-KH-1GG(L2)1	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	
498-113	498-KH-1GG(L2)2	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	
498-114	498-KH-1GG(L2)3	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	

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State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/30/2017

Material ID and Description		Unified Sample Area Number
498-KH-1HH	BEIGE CAULKING AT AHU SEAM	498-KH-1HH

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BEIGE CAULKING AT AHU SEAM

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-1HH1, 498-KH-1HH2, 498-KH-1HH3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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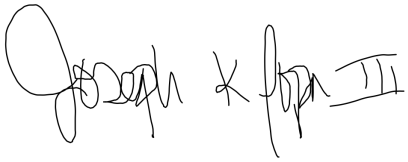
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-1HH	BEIGE CAULKING AT AHU SEAM

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-1HH1	0	BEIGE CAULKING AT AHU SEAM	See Sketch 498-KH-1
498-KH-1HH2	0	BEIGE CAULKING AT AHU SEAM	See Sketch 498-KH-1
498-KH-1HH3	0	BEIGE CAULKING AT AHU SEAM	See Sketch 498-KH-1

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/30/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-1HH Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-115	498-KH-1HH1	beige	Yes	No	-	-	misc. part.	
					-	-	100	
498-116	498-KH-1HH2	beige	Yes	No	-	-	misc. part.	
					-	-	100	
498-117	498-KH-1HH3	beige	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/30/2017

Material ID and Description		Unified Sample Area Number
498-KH-1II	WHITE CAULKING AT DOOR FRAME	498-KH-1II

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

WHITE CAULKING AT DOOR FRAME

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-1II1, 498-KH-1II2, 498-KH-1II3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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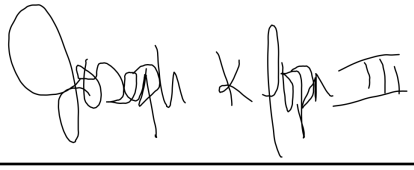
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-1II	WHITE CAULKING AT DOOR FRAME

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-1II1	0	WHITE CAULKING AT DOOR FRAME	See Sketch 498-KH-1
498-KH-1II2	0	WHITE CAULKING AT DOOR FRAME	See Sketch 498-KH-1
498-KH-1II3	0	WHITE CAULKING AT DOOR FRAME	See Sketch 498-KH-1

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/30/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-1II Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-118	498-KH-1II1	white	Yes	No	-	-	misc. part.	
					-	-	100	
498-119	498-KH-1II2	white	Yes	No	-	-	misc. part.	
					-	-	100	
498-120	498-KH-1II3	white	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/30/2017

Material ID and Description		Unified Sample Area Number
498-KH-1JJ	BLACK MASTIC BENEATH 12" X 12" BEIGE W/GRAY STREAKS VFT	498-KH-1JJ

Document Number	Drawing/Sketch Number	
	498-KH-1	498-KH-1

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BLACK MASTIC BENEATH 12" X 12" BEIGE W/GRAY STREAKS VFT

Location of Confirmed, Assumed, or New ACM within Building

See Sketch 498-KH-1

Record Storage in File Room

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface	450		
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:	±450		

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
None	Moderate	None

Visible	Reachable	Texture
None visible	Within reach	smooth

Barriers	Ventilation	If Yes	Friable Surface	
Enclosed	Yes	Both	No	Category I

Air Movement	Proximity to Repair Items	Activity
Low	Less than 1 ft.	High

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-1JJ1, 498-KH-1JJ2, 498-KH-1JJ3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**YES**
Number of Salient Designations:	

PHOTOGRAPH



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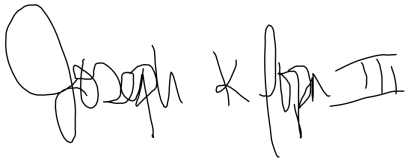
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-1JJ	BLACK MASTIC BENEATH 12" X 12" BEIGE W/GRAY STREAKS VFT

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-1JJ1	2	BLACK MASTIC BENEATH 12" X 12" BEIGE W/GRAY STREAKS VFT	See Sketch 498-KH-1
498-KH-1JJ2	2	BLACK MASTIC BENEATH 12" X 12" BEIGE W/GRAY STREAKS VFT	See Sketch 498-KH-1
498-KH-1JJ3	2	BLACK MASTIC BENEATH 12" X 12" BEIGE W/GRAY STREAKS VFT	See Sketch 498-KH-1

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/30/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-1JJ Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-121	498-KH-1JJ1	black	Yes	Yes	chrysotile	-	misc. part.	
					2	-	98	
498-122	498-KH-1JJ2	black	Yes	Yes	chrysotile	-	misc. part.	
					2	-	98	
498-123	498-KH-1JJ3	black	Yes	Yes	chrysotile	-	misc. part.	
					2	-	98	

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*Laboratory test report relates only to items tested.
*Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.

*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques.
*Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/30/2017

Material ID and Description		Unified Sample Area Number
498-KH-1KK	WHITE PLASTER CEILING	498-KH-1KK

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

WHITE PLASTER CEILING

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

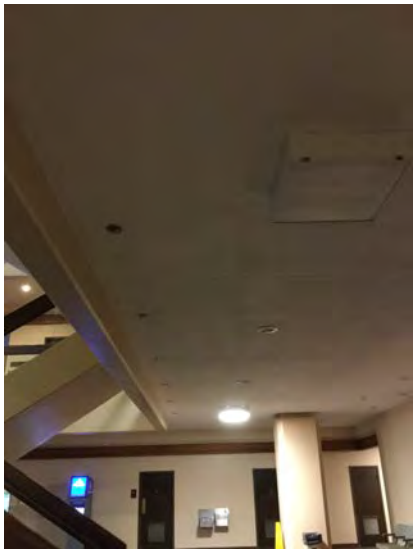
Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-1KK1, 498-KH-1KK2, 498-KH-1KK3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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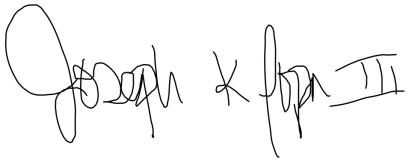
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-1KK	WHITE PLASTER CEILING

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-1KK1	0	WHITE PLASTER CEILING	See Sketch 498-KH-1
498-KH-1KK2	0	WHITE PLASTER CEILING	See Sketch 498-KH-1
498-KH-1KK3	0	WHITE PLASTER CEILING	See Sketch 498-KH-1

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/30/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-1KK Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-124	498-KH-1KK1	white	Yes	No	-	-	misc. part.	
					-	-	100	
498-125	498-KH-1KK2	white	Yes	No	-	-	misc. part.	
					-	-	100	
498-126	498-KH-1KK3	white	Yes	No	-	-	misc. part.	
					-	-	100	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/30/2017

Material ID and Description		Unified Sample Area Number
498-KH-1LL	GRAY SINK INSULATION (OLD)	498-KH-1LL

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

GRAY SINK INSULATION (OLD)

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-1LL1, 498-KH-1LL2, 498-KH-1LL3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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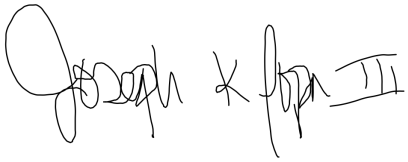
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-1LL	GRAY SINK INSULATION (OLD)

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-1LL1	0	GRAY SINK INSULATION (OLD)	See Sketch 498-KH-1
498-KH-1LL2	0	GRAY SINK INSULATION (OLD)	See Sketch 498-KH-1
498-KH-1LL3	0	GRAY SINK INSULATION (OLD)	See Sketch 498-KH-1

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/30/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-1LL Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-127	498-KH-1LL1	gray	Yes	No	-	cellulose	misc. part.	
					-	6	94	
498-128	498-KH-1LL2	gray	Yes	No	-	cellulose	misc. part.	
					-	6	94	
498-129	498-KH-1LL3	gray	Yes	No	-	cellulose	misc. part.	
					-	6	94	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	

Material ID and Description		Unified Sample Area Number
498-KH-1MM	GRAY PLASTIC FLEX DUCT W/YELLOW INSULATION	498-KH-1MM

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

GRAY PLASTIC FLEX DUCT W/YELLOW INSULATION

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage

Visible	Reachable	Texture

Barriers	Ventilation	If Yes	Friable Surface	

Air Movement	Proximity to Repair Items	Activity

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	
Samples Collected by	
Sample Numbers	
Total Number of Samples Analyzed	
Samples Analyzed by	
ASBESTOS-CONTAINING MATERIAL ?	
Number of Salient Designations:	

PHOTOGRAPH



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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/30/2017

Material ID and Description		Unified Sample Area Number
498-KH-1NN	BLACK CAULKING AT AHU SEAMS	498-KH-1NN

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BLACK CAULKING AT AHU SEAMS

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-1NN1, 498-KH-1NN2, 498-KH-1NN3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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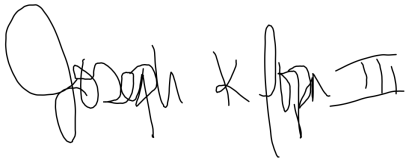
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-1NN	BLACK CAULKING AT AHU SEAMS

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-1NN1	0	BLACK CAULKING AT AHU SEAMS	See Sketch 498-KH-1
498-KH-1NN2	0	BLACK CAULKING AT AHU SEAMS	See Sketch 498-KH-1
498-KH-1NN3	0	BLACK CAULKING AT AHU SEAMS	See Sketch 498-KH-1

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/30/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-1NN Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-130	498-KH-1NN1	black	Yes	No	-	fibrous glass	misc. part.	
					-	2	98	
498-131	498-KH-1NN2	black	Yes	No	-	fibrous glass	misc. part.	
					-	2	98	
498-132	498-KH-1NN3	black	Yes	No	-	fibrous glass	misc. part.	
					-	2	98	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/14/2017

Material ID and Description		Unified Sample Area Number
498-KH-1OO	WATERPROOFING MATERIAL	498-KH-1OO

Document Number	Drawing/Sketch Number	
	498-KH-1	498-KH-1

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

WATERPROOFING MATERIAL

inaccessible w/o causing significant damage, ASSUMED ACM

Location of Confirmed, Assumed, or New ACM within Building

See Sketch 498-KH-1

presumed to exist under ceramic flooring in Atrium and bathrooms

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface	2600		
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:	±2600		

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
None	None	None

Visible	Reachable	Texture
None visible	Within reach	

Barriers	Ventilation	If Yes	Friable Surface	
Enclosed	Yes	Both		

Air Movement	Proximity to Repair Items	Activity
Low	Less than 1 ft.	High

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	0
Samples Collected by	Other
Sample Numbers	
Total Number of Samples Analyzed	0
Samples Analyzed by	Other
ASBESTOS-CONTAINING MATERIAL ?	**Assumed**
Number of Salient Designations:	

PHOTOGRAPH

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Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name

KH | Ka'ahumanu Hale

Building Location

777 Punchbowl Street
Honolulu, HI 96813

EMET ID

1511498

For the ACM - Space Identified as:

498-KH-2

Inspection Date(s): 8/30/2017 - 9/14/2017

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACBM Present			Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Friable	T	DC	PD		
498-KH-2A	12" X 12" CREAM W/BEIGE STREAKS VFT		YES	NO ACM						
498-KH-2B	BLACK ADHESIVE BENEATH 12" X 12" CREAM W/BEIGE STREAKS VFT		YES	NO ACM						
498-KH-2C	4" BEIGE COVEBASE		YES	NO ACM						
498-KH-2D	BROWN ADHESIVE BENEATH 4" BEIGE COVEBASE		YES	NO ACM						
498-KH-2E	4" MAROON COVEBASE		YES	NO ACM						
498-KH-2F	BROWN ADHESIVE BENEATH 4" MAROON COVEBASE		YES	NO ACM						

*** Refers to Material Type and Damage Conditions**

T = Material Type:	DC = Damage Condition:	PD = Potential Damage Condition:
S = Surfacing	ND = No Damage	NPD = No Potential Damage
M = Miscellaneous	D = Damaged	PD = ACBM w/ Potential Damage
T = Thermal Systems	SD = Significant Damage	PSD = Potential Significant Damage

**** Recommended Response Actions:**

1. Isolate area and restrict access. Remove or repair ASAP.
2. Continue Operations and Maintenance (O&M) program. Remove or repair ASAP or reduce potential for disturbance.

3-5. Repair, continue O&M. Lower number indicates higher priority if all repair cannot be done immediately.

6-7. Continue O&M. Take preventive measures to reduce disturbance. Number indicates priority for removal.

8. Continue O&M until major renovation or demolition requires removal under NESHAPS, or until hazard assessment factors change.

Note: An O&M program may include enclosure and encapsulation.

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Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name

KH | Ka'ahumanu Hale

For the ACM - Space Identified as:

498-KH-2

Building Location

777 Punchbowl Street
Honolulu, HI 96813

EMET ID

1511498

Inspection Date(s): 8/30/2017 - 9/14/2017

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACBM Present			Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Friable	T	DC	PD		
498-KH-2G	BEIGE CAULKING AT DOOR FRAME		YES	NO ACM						
498-KH-2H	WHITE GYPSUM WALLBOARD/MUDJOINT WALL AND CEILING SYSTEM		YES	NO ACM						
498-KH-2I	2' X 4' WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE		YES	NO ACM						
498-KH-2J	BROWN DUCT MASTIC		YES	NO ACM						
498-KH-2K	2' X 4' WHITE ACOUSTICAL W/YELLOW INSULATION CEILING TILE		YES	NO ACM						
498-KH-2L	GRAY SINK INSULATION		YES	NO ACM						

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Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name

KH | Ka'ahumanu Hale

For the ACM - Space Identified as:

498-KH-2

Building Location

777 Punchbowl Street
Honolulu, HI 96813

EMET ID

1511498

Inspection Date(s): 8/30/2017 - 9/14/2017

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACBM Present			Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Friable	T	DC	PD		
498-KH-2M	WHITE CAULKING COUNTERTOP		YES	NO ACM						
498-KH-2N	WHITE CAULKING AT PLUMBING FIXTURE		YES	NO ACM						
498-KH-2O(L1)	4" O. D. WHITE WRAP W/YELLOW INSULATION TSI	wrap layer	YES	NO ACM						
498-KH-2O(L2)	4" O. D. WHITE WRAP W/YELLOW INSULATION TSI	insulation layer	YES	NO ACM						
498-KH-2P	4" BLACK COVEBASE		YES	NO ACM						
498-KH-2Q	BROWN ADHESIVE BENEATH 4" BLACK COVEBASE		YES	NO ACM						

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Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name

KH | Ka'ahumanu Hale

For the ACM - Space Identified as:

498-KH-2

Building Location

777 Punchbowl Street
Honolulu, HI 96813

EMET ID

1511498

Inspection Date(s): 8/30/2017 - 9/14/2017

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACBM Present			Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Friable	T	DC	PD		
498-KH-2R	BROWN CAULKING AT WINDOW FRAME		YES	NO ACM						
498-KH-2S	12" X 12" PINK W/BROWN STREAKS VFT		YES	ACM	NO	M	ND	PSD	8	$13000
498-KH-2T	BLACK MASTIC BENEATH 12" X 12" PINK W/BROWN STREAKS VFT		YES	ACM	NO	M	ND	PD	8	$13000
498-KH-2U	12" X 12" GRAY W/GRAY STREAKS VFT		YES	NO ACM						
498-KH-2V	YELLOW ADHESIVE BENEATH 12" X 12" GRAY W/GRAY STREAKS VFT		YES	NO ACM						
498-KH-2W	2' X 4' WHITE PINHOLE ACOUSTICAL CEILING TILE		YES	NO ACM						

*** Refers to Material Type and Damage Conditions**

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S = Surfacing	ND = No Damage	NPD = No Potential Damage
M = Miscellaneous	D = Damaged	PD = ACBM w/ Potential Damage
T = Thermal Systems	SD = Significant Damage	PSD = Potential Significant Damage

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Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name

KH | Ka'ahumanu Hale

For the ACM - Space Identified as:

498-KH-2

Building Location

777 Punchbowl Street
Honolulu, HI 96813

EMET ID

1511498

Inspection Date(s): 8/30/2017 - 9/14/2017

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACBM Present			Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Friable	T	DC	PD		
498-KH-2X	12" X 12" BROWN W/BROWN STREAKS VFT		YES	NO ACM						
498-KH-2Y	BLACK MASTIC BENEATH 12" X 12" BROWN W/BROWN STREAKS VFT		YES	ACM	NO	M	ND	PD	8	$500
498-KH-2Z	GRAY STONE PATTERN SHEET VINYL FLOORING		YES	ACM	YES	M	ND	PSD	6	$2250
498-KH-2AA	YELLOW MASTIC BENEATH GRAY STONE PATTERN SHEET VINYL FLOORING		YES	ACM	NO	M	ND	PD	8	$2250
498-KH-2BB	1' X 1' WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE		YES	NO ACM						
498-KH-2CC	1' X 1' WHITE PINHOLE ACOUSTICAL CEILING TILE		YES	NO ACM						

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M = Miscellaneous	D = Damaged	PD = ACBM w/ Potential Damage
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6-7. Continue O&M. Take preventive measures to reduce disturbance. Number indicates priority for removal.

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Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name

KH | Ka'ahumanu Hale

For the ACM - Space Identified as:

498-KH-2

Building Location

777 Punchbowl Street
Honolulu, HI 96813

EMET ID

1511498

Inspection Date(s): 8/30/2017 - 9/14/2017

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACBM Present			Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Friable	T	DC	PD		
498-KH-2DD	BLACK SINK INSULATION		YES	ACM	NO	M	ND	PD	8	$0
498-KH-2EE	1" BROWN THRESHOLD		YES	NO ACM						
498-KH-2FF	BROWN ADHESIVE BENEATH 1" BROWN THRESHOLD		YES	NO ACM						
498-KH-2GG	WHITE W/BLUE STREAKS VFT		YES	NO ACM						
498-KH-2HH	YELLOW ADHESIVE BENEATH WHITE W/BLUE STREAKS VFT		YES	NO ACM						
498-KH-2II	GRAY SEALANT AT FLOOR PENETRATION		YES	ACM	NO	M	ND	PD	8	$10

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T = Thermal Systems	SD = Significant Damage	PSD = Potential Significant Damage

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Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name

KH | Ka'ahumanu Hale

For the ACM - Space Identified as:

498-KH-2

Building Location

777 Punchbowl Street
Honolulu, HI 96813

EMET ID

1511498

Inspection Date(s): 8/30/2017 - 9/14/2017

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACBM Present			Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Friable	T	DC	PD		
498-KH-2JJ	4" BROWN COVEBASE		YES	NO ACM						
498-KH-2KK	BEIGE ADHESIVE BENEATH 4" BROWN COVEBASE		YES	NO ACM						
498-KH-2LL	BLACK VIBRATION CLOTH		YES	NO ACM						
498-KH-2MM(L1)	6" O. D. WHITE WRAP W/YELLOW INSULATION TSI	wrap layer	YES	NO ACM						
498-KH-2MM(L2)	6" O. D. WHITE WRAP W/YELLOW INSULATION TSI	insulation layer	YES	NO ACM						
498-KH-2NN(L1)	8" O. D. WHITE WRAP W/WHITE FOAM INSULATION TSI	wrap layer	YES	NO ACM						

*** Refers to Material Type and Damage Conditions**

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M = Miscellaneous	D = Damaged	PD = ACBM w/ Potential Damage
T = Thermal Systems	SD = Significant Damage	PSD = Potential Significant Damage

**** Recommended Response Actions:**

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6-7. Continue O&M. Take preventive measures to reduce disturbance. Number indicates priority for removal.

8. Continue O&M until major renovation or demolition requires removal under NESHAPS, or until hazard assessment factors change.

Note: An O&M program may include enclosure and encapsulation.

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Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name

KH | Ka'ahumanu Hale

For the ACM - Space Identified as:

498-KH-2

Building Location

777 Punchbowl Street
Honolulu, HI 96813

EMET ID

1511498

Inspection Date(s): 8/30/2017 - 9/14/2017

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACBM Present			Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Friable	T	DC	PD		
498-KH-2NN(L2)	8" O. D. WHITE WRAP W/WHITE FOAM INSULATION TSI	insulation layer	YES	NO ACM						
498-KH-2OO(L1)	8" O. D. WHITE WRAP W/YELLOW INSULATION TSI	wrap layer	YES	NO ACM						
498-KH-2OO(L2)	8" O. D. WHITE WRAP W/YELLOW INSULATION TSI	insulation layer	YES	NO ACM						
498-KH-2PP	BEIGE CAULKING AT AHU SEAMS		YES	NO ACM						
498-KH-2QQ	WHITE PLASTER CEILING		YES	NO ACM						
498-KH-2RR	BLACK CAULKING AT AHU		YES	NO ACM						

*** Refers to Material Type and Damage Conditions**

T = Material Type:	DC = Damage Condition:	PD = Potential Damage Condition:
S = Surfacing	ND = No Damage	NPD = No Potential Damage
M = Miscellaneous	D = Damaged	PD = ACBM w/ Potential Damage
T = Thermal Systems	SD = Significant Damage	PSD = Potential Significant Damage

**** Recommended Response Actions:**

1. Isolate area and restrict access. Remove or repair ASAP.
2. Continue Operations and Maintenance (O&M) program. Remove or repair ASAP or reduce potential for disturbance.

3-5. Repair, continue O&M. Lower number indicates higher priority if all repair cannot be done immediately.

6-7. Continue O&M. Take preventive measures to reduce disturbance. Number indicates priority for removal.

8. Continue O&M until major renovation or demolition requires removal under NESHAPS, or until hazard assessment factors change.

Note: An O&M program may include enclosure and encapsulation.

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Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name

KH | Ka'ahumanu Hale

For the ACM - Space Identified as:

498-KH-2

Building Location

777 Punchbowl Street
Honolulu, HI 96813

EMET ID

1511498

Inspection Date(s): 8/30/2017 - 9/14/2017

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACBM Present			Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Friable	T	DC	PD		
498-KH-2SS	GRAY PLASTIC FLEX DUCT W/YELLOW INSULATION		NO							
498-KH-2TT	GREEN CARPET ADHESIVE		YES	NO ACM						
498-KH-2UU(L1)	10" O. D. WHITE WRAP W/YELLOW INSULATION TSI	wrap layer	YES	NO ACM						
498-KH-2UU(L2)	10" O. D. WHITE WRAP W/YELLOW INSULATION TSI	insulation layer	YES	NO ACM						
498-KH-2VV	WATERPROOFING MATERIAL	inaccessible w/o causing significant damage, ASSUMED ACM	YES	ASSUMED		M	ND	NPD	8	$25000

*** Refers to Material Type and Damage Conditions**

T = Material Type:	DC = Damage Condition:	PD = Potential Damage Condition:
S = Surfacing	ND = No Damage	NPD = No Potential Damage
M = Miscellaneous	D = Damaged	PD = ACBM w/ Potential Damage
T = Thermal Systems	SD = Significant Damage	PSD = Potential Significant Damage

**** Recommended Response Actions:**

1. Isolate area and restrict access. Remove or repair ASAP.
2. Continue Operations and Maintenance (O&M) program. Remove or repair ASAP or reduce potential for disturbance.

3-5. Repair, continue O&M. Lower number indicates higher priority if all repair cannot be done immediately.

6-7. Continue O&M. Take preventive measures to reduce disturbance. Number indicates priority for removal.

8. Continue O&M until major renovation or demolition requires removal under NESHAPS, or until hazard assessment factors change.

Note: An O&M program may include enclosure and encapsulation.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/31/2017

Material ID and Description		Unified Sample Area Number
498-KH-2A	12" X 12" CREAM W/BEIGE STREAKS VFT	498-KH-2A

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

12" X 12" CREAM W/BEIGE STREAKS VFT

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

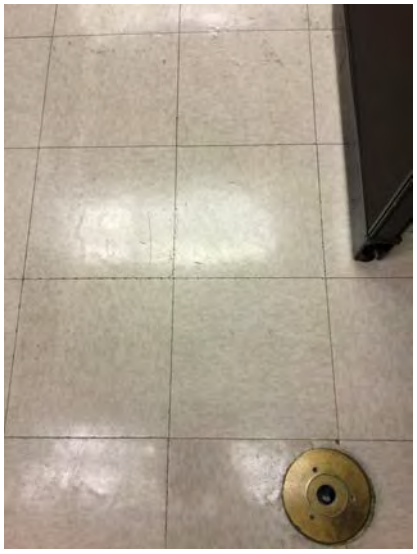
Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-2A1, 498-KH-2A2, 498-KH-2A3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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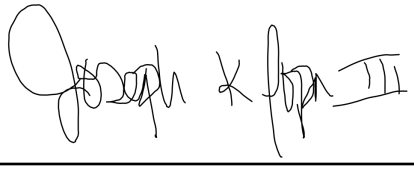
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-2A	12" X 12" CREAM W/BEIGE STREAKS VFT

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-2A1	0	12" X 12" CREAM W/BEIGE STREAKS VFT	See Sketch 498-KH-2
498-KH-2A2	0	12" X 12" CREAM W/BEIGE STREAKS VFT	See Sketch 498-KH-2
498-KH-2A3	0	12" X 12" CREAM W/BEIGE STREAKS VFT	See Sketch 498-KH-2

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/31/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-2A Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-133	498-KH-2A1	cream w/ beige streaks	Yes	No	-	-	misc. part.	
					-	-	100	
498-134	498-KH-2A2	cream w/ beige streaks	Yes	No	-	-	misc. part.	
					-	-	100	
498-135	498-KH-2A3	cream w/ beige streaks	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/31/2017

Material ID and Description		Document Number	Unified Sample Area Number
498-KH-2B	BLACK ADHESIVE BENEATH 12" X 12" CREAM W/BEIGE STREAKS VFT		498-KH-2B

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BLACK ADHESIVE BENEATH 12" X 12" CREAM W/BEIGE STREAKS VFT

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-2B1, 498-KH-2B2, 498-KH-2B3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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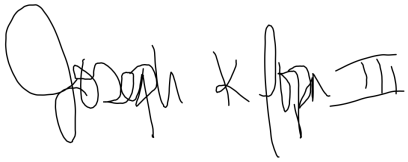
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-2B	BLACK ADHESIVE BENEATH 12" X 12" CREAM W/BEIGE STREAKS VFT

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-2B1	0	BLACK ADHESIVE BENEATH 12" X 12" CREAM W/BEIGE STREAKS VFT	See Sketch 498-KH-2
498-KH-2B2	0	BLACK ADHESIVE BENEATH 12" X 12" CREAM W/BEIGE STREAKS VFT	See Sketch 498-KH-2
498-KH-2B3	0	BLACK ADHESIVE BENEATH 12" X 12" CREAM W/BEIGE STREAKS VFT	See Sketch 498-KH-2

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/31/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-2B Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-136	498-KH-2B1	black	Yes	No	-	-	misc. part.	
					-	-	100	
498-137	498-KH-2B2	black	Yes	No	-	-	misc. part.	
					-	-	100	
498-138	498-KH-2B3	black	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/31/2017

Material ID and Description		Unified Sample Area Number
498-KH-2C	4" BEIGE COVEBASE	498-KH-2C

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

4" BEIGE COVEBASE

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-2C1, 498-KH-2C2, 498-KH-2C3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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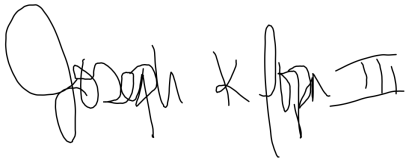
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-2C	4" BEIGE COVEBASE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-2C1	0	4" BEIGE COVEBASE	See Sketch 498-KH-2
498-KH-2C2	0	4" BEIGE COVEBASE	See Sketch 498-KH-2
498-KH-2C3	0	4" BEIGE COVEBASE	See Sketch 498-KH-2

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/31/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-2C Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-139	498-KH-2C1	beige	Yes	No	-	-	misc. part.	
					-	-	100	
498-140	498-KH-2C2	beige	Yes	No	-	-	misc. part.	
					-	-	100	
498-141	498-KH-2C3	beige	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/31/2017

Material ID and Description		Document Number	Unified Sample Area Number
498-KH-2D	BROWN ADHESIVE BENEATH 4" BEIGE COVEBASE		498-KH-2D

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BROWN ADHESIVE BENEATH 4" BEIGE COVEBASE

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-2D1, 498-KH-2D2, 498-KH-2D3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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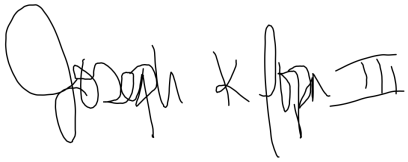
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-2D	BROWN ADHESIVE BENEATH 4" BEIGE COVEBASE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-2D1	0	BROWN ADHESIVE BENEATH 4" BEIGE COVEBASE	See Sketch 498-KH-2
498-KH-2D2	0	BROWN ADHESIVE BENEATH 4" BEIGE COVEBASE	See Sketch 498-KH-2
498-KH-2D3	0	BROWN ADHESIVE BENEATH 4" BEIGE COVEBASE	See Sketch 498-KH-2

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/31/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-2D Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-142	498-KH-2D1	brown	Yes	No	-	-	misc. part.	
					-	-	100	
498-143	498-KH-2D2	brown	Yes	No	-	-	misc. part.	
					-	-	100	
498-144	498-KH-2D3	brown	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
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Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/31/2017

Material ID and Description		Unified Sample Area Number
498-KH-2E	4" MAROON COVEBASE	498-KH-2E

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

4" MAROON COVEBASE

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

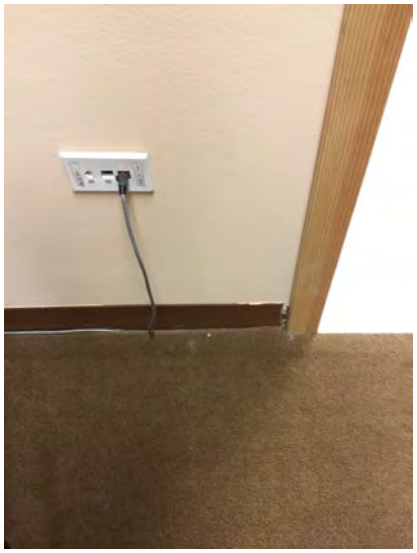
Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-2E1, 498-KH-2E2, 498-KH-2E3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-2E	4" MAROON COVEBASE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-2E1	0	4" MAROON COVEBASE	See Sketch 498-KH-2
498-KH-2E2	0	4" MAROON COVEBASE	See Sketch 498-KH-2
498-KH-2E3	0	4" MAROON COVEBASE	See Sketch 498-KH-2

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/31/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-2E Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-145	498-KH-2E1	maroon	Yes	No	-	-	misc. part.	
					-	-	100	
498-146	498-KH-2E2	maroon	Yes	No	-	-	misc. part.	
					-	-	100	
498-147	498-KH-2E3	maroon	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/31/2017

Material ID and Description		Unified Sample Area Number
498-KH-2F	BROWN ADHESIVE BENEATH 4" MAROON COVEBASE	498-KH-2F

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BROWN ADHESIVE BENEATH 4" MAROON COVEBASE

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-2F1, 498-KH-2F2, 498-KH-2F3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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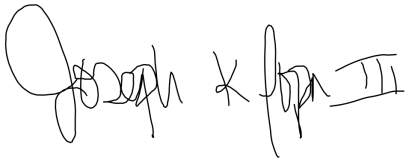
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-2F	BROWN ADHESIVE BENEATH 4" MAROON COVEBASE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-2F1	0	BROWN ADHESIVE BENEATH 4" MAROON COVEBASE	See Sketch 498-KH-2
498-KH-2F2	0	BROWN ADHESIVE BENEATH 4" MAROON COVEBASE	See Sketch 498-KH-2
498-KH-2F3	0	BROWN ADHESIVE BENEATH 4" MAROON COVEBASE	See Sketch 498-KH-2

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/31/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-2F Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-148	498-KH-2F1	brown	Yes	No	-	-	misc. part.	
					-	-	100	
498-149	498-KH-2F2	brown	Yes	No	-	-	misc. part.	
					-	-	100	
498-150	498-KH-2F3	brown	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/31/2017

Material ID and Description		Unified Sample Area Number
498-KH-2G	BEIGE CAULKING AT DOOR FRAME	498-KH-2G

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BEIGE CAULKING AT DOOR FRAME

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

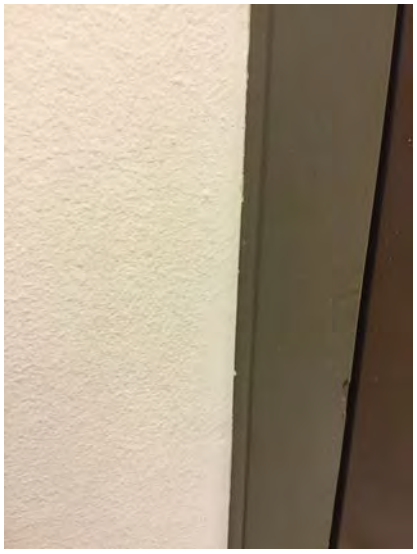
Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-2G1, 498-KH-2G2, 498-KH-2G3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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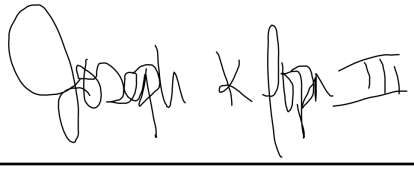
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-2G	BEIGE CAULKING AT DOOR FRAME

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-2G1	0	BEIGE CAULKING AT DOOR FRAME	See Sketch 498-KH-2
498-KH-2G2	0	BEIGE CAULKING AT DOOR FRAME	See Sketch 498-KH-2
498-KH-2G3	0	BEIGE CAULKING AT DOOR FRAME	See Sketch 498-KH-2

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/31/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-2G Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-151	498-KH-2G1	beige	Yes	No	-	-	misc. part.	
					-	-	100	
498-152	498-KH-2G2	beige	Yes	No	-	-	misc. part.	
					-	-	100	
498-153	498-KH-2G3	beige	Yes	No	-	-	misc. part.	
					-	-	100	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/31/2017

Material ID and Description		Unified Sample Area Number
498-KH-2H	WHITE GYPSUM WALLBOARD/MUDJOINT WALL AND CEILING SYSTEM	498-KH-2H

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

WHITE GYPSUM WALLBOARD/MUDJOINT WALL AND CEILING SYSTEM

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

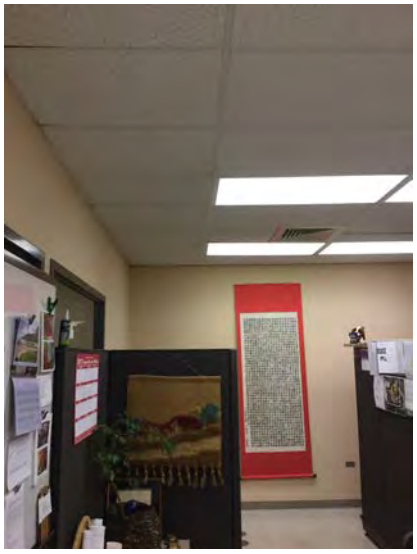
Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-2H1, 498-KH-2H2, 498-KH-2H3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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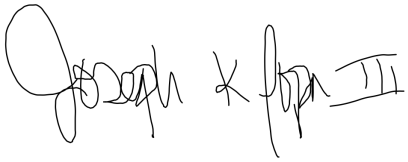
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-2H	WHITE GYPSUM WALLBOARD/MUDJOINT WALL AND CEILING SYSTEM

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-2H1	0	WHITE GYPSUM WALLBOARD/MUDJOINT WALL AND CEILING SYSTEM	See Sketch 498-KH-2
498-KH-2H2	0	WHITE GYPSUM WALLBOARD/MUDJOINT WALL AND CEILING SYSTEM	See Sketch 498-KH-2
498-KH-2H3	0	WHITE GYPSUM WALLBOARD/MUDJOINT WALL AND CEILING SYSTEM	See Sketch 498-KH-2

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/31/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-2H Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-154	498-KH-2H1	white	Yes	No	-	cellulose	misc. part.	
					-	10	90	
498-155	498-KH-2H2	white	Yes	No	-	cellulose	misc. part.	
					-	10	90	
498-156	498-KH-2H3	white	Yes	No	-	cellulose	misc. part.	
					-	9	91	

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Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

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*Laboratory test report relates only to items tested.
*Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.

*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques.
*Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/31/2017

Material ID and Description		Unified Sample Area Number
498-KH-2I	2' X 4' WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE	498-KH-2I

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

2' X 4' WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

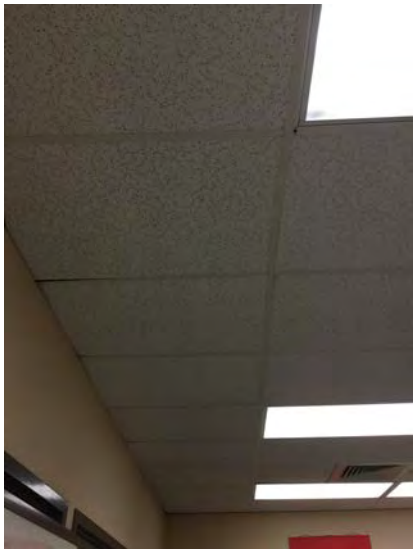
Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-2I1, 498-KH-2I2, 498-KH-2I3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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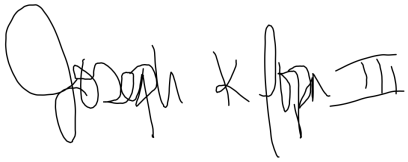
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-2I	2' X 4' WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-2I1	0	2' X 4' WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE	See Sketch 498-KH-2
498-KH-2I2	0	2' X 4' WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE	See Sketch 498-KH-2
498-KH-2I3	0	2' X 4' WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE	See Sketch 498-KH-2

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/31/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-2I Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-157	498-KH-2I1	white	Yes	No	-	cellulose, mineral	misc. part.	
					-	60	40	
498-158	498-KH-2I2	white	Yes	No	-	cellulose, mineral	misc. part.	
					-	60	40	
498-159	498-KH-2I3	white	Yes	No	-	cellulose, mineral	misc. part.	
					-	60	40	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/31/2017

Material ID and Description		Unified Sample Area Number
498-KH-2J	BROWN DUCT MASTIC	498-KH-2J

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BROWN DUCT MASTIC

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-2J1, 498-KH-2J2, 498-KH-2J3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-2J	BROWN DUCT MASTIC

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-2J1	0	BROWN DUCT MASTIC	See Sketch 498-KH-2
498-KH-2J2	0	BROWN DUCT MASTIC	See Sketch 498-KH-2
498-KH-2J3	0	BROWN DUCT MASTIC	See Sketch 498-KH-2

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/31/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-2J Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-160	498-KH-2J1	brown	Yes	No	-	-	misc. part.	
					-	-	100	
498-161	498-KH-2J2	brown	Yes	No	-	-	misc. part.	
					-	-	100	
498-162	498-KH-2J3	brown	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/31/2017

Material ID and Description		Unified Sample Area Number
498-KH-2K	2' X 4' WHITE ACOUSTICAL W/YELLOW INSULATION CEILING TILE	498-KH-2K

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

2' X 4' WHITE ACOUSTICAL W/YELLOW INSULATION CEILING TILE

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-2K1, 498-KH-2K2, 498-KH-2K3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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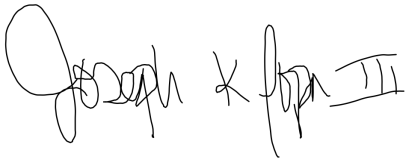
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-2K	2' X 4' WHITE ACOUSTICAL W/YELLOW INSULATION CEILING TILE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-2K1	0	2' X 4' WHITE ACOUSTICAL W/YELLOW INSULATION CEILING TILE	See Sketch 498-KH-2
498-KH-2K2	0	2' X 4' WHITE ACOUSTICAL W/YELLOW INSULATION CEILING TILE	See Sketch 498-KH-2
498-KH-2K3	0	2' X 4' WHITE ACOUSTICAL W/YELLOW INSULATION CEILING TILE	See Sketch 498-KH-2

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/31/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-2K Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-163	498-KH-2K1	white/ yellow	Yes	No	-	fibrous glass	misc. part.	
					-	90	10	
498-164	498-KH-2K2	white/ yellow	Yes	No	-	fibrous glass	misc. part.	
					-	90	10	
498-165	498-KH-2K3	white/ yellow	Yes	No	-	fibrous glass	misc. part.	
					-	90	10	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/31/2017

Material ID and Description		Unified Sample Area Number
498-KH-2L	GRAY SINK INSULATION	498-KH-2L

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

GRAY SINK INSULATION

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-2L1, 498-KH-2L2, 498-KH-2L3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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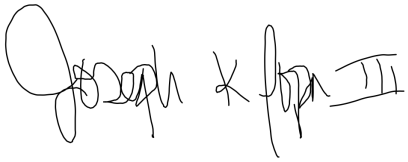
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-2L	GRAY SINK INSULATION

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-2L1	0	GRAY SINK INSULATION	See Sketch 498-KH-2
498-KH-2L2	0	GRAY SINK INSULATION	See Sketch 498-KH-2
498-KH-2L3	0	GRAY SINK INSULATION	See Sketch 498-KH-2

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/31/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-2L | Analysis Date: 9/15/2017 | Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-166	498-KH-2L1	gray	Yes	No	-	cellulose	misc. part.	
					-	3	97	
498-167	498-KH-2L2	gray	Yes	No	-	cellulose	misc. part.	
					-	3	97	
498-168	498-KH-2L3	gray	Yes	No	-	cellulose	misc. part.	
					-	3	97	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/31/2017

Material ID and Description		Unified Sample Area Number
498-KH-2M	WHITE CAULKING COUNTERTOP	498-KH-2M

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

WHITE CAULKING COUNTERTOP

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-2M1, 498-KH-2M2, 498-KH-2M3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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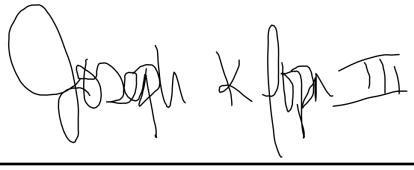
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-2M	WHITE CAULKING COUNTERTOP

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-2M1	0	WHITE CAULKING COUNTERTOP	See Sketch 498-KH-2
498-KH-2M2	0	WHITE CAULKING COUNTERTOP	See Sketch 498-KH-2
498-KH-2M3	0	WHITE CAULKING COUNTERTOP	See Sketch 498-KH-2

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/31/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-2M Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-169	498-KH-2M1	white	Yes	No	-	-	misc. part.	
					-	-	100	
498-170	498-KH-2M2	white	Yes	No	-	-	misc. part.	
					-	-	100	
498-171	498-KH-2M3	white	Yes	No	-	-	misc. part.	
					-	-	100	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/31/2017

Material ID and Description		Unified Sample Area Number
498-KH-2N	WHITE CAULKING AT PLUMBING FIXTURE	498-KH-2N

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

WHITE CAULKING AT PLUMBING FIXTURE

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-2N1, 498-KH-2N2, 498-KH-2N3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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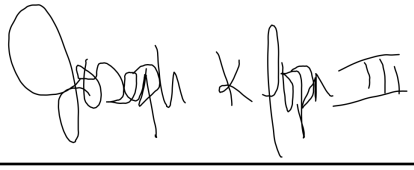
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-2N	WHITE CAULKING AT PLUMBING FIXTURE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-2N1	0	WHITE CAULKING AT PLUMBING FIXTURE	See Sketch 498-KH-2
498-KH-2N2	0	WHITE CAULKING AT PLUMBING FIXTURE	See Sketch 498-KH-2
498-KH-2N3	0	WHITE CAULKING AT PLUMBING FIXTURE	See Sketch 498-KH-2

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/31/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-2N Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-172	498-KH-2N1	white	Yes	No	-	-	misc. part.	
					-	-	100	
498-173	498-KH-2N2	white	Yes	No	-	-	misc. part.	
					-	-	100	
498-174	498-KH-2N3	white	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/31/2017

Material ID and Description		Unified Sample Area Number
498-KH-2O(L1)	4" O. D. WHITE WRAP W/YELLOW INSULATION TSI	498-KH-2O(L1)

Document Number	Drawing/Sketch Number	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

4" O. D. WHITE WRAP W/YELLOW INSULATION TSI

wrap layer

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-2O(L1)1, 498-KH-2O(L1)2, 498-KH-2O(L1)3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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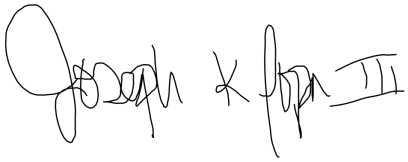
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-2O(L1)	4" O. D. WHITE WRAP W/YELLOW INSULATION TSI

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-2O(L1)1	0	4" O. D. WHITE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-2
498-KH-2O(L1)2	0	4" O. D. WHITE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-2
498-KH-2O(L1)3	0	4" O. D. WHITE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-2

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/31/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-2O(L1) Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-175	498-KH-2O(L1)1	white	Yes	No	-	cellulose	misc. part.	
					-	20	80	
498-176	498-KH-2O(L1)2	white	Yes	No	-	cellulose	misc. part.	
					-	20	80	
498-177	498-KH-2O(L1)3	white	Yes	No	-	cellulose	misc. part.	
					-	20	80	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/31/2017

Material ID and Description		Unified Sample Area Number
498-KH-2O(L2)	4" O. D. WHITE WRAP W/YELLOW INSULATION TSI	498-KH-2O(L2)

Document Number	Drawing/Sketch Number	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

4" O. D. WHITE WRAP W/YELLOW INSULATION TSI

insulation layer

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-2O(L2)1, 498-KH-2O(L2)2, 498-KH-2O(L2)3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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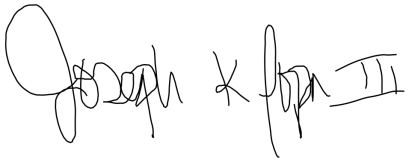
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-2O(L2)	4" O. D. WHITE WRAP W/YELLOW INSULATION TSI

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-2O(L2)1	0	4" O. D. WHITE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-2
498-KH-2O(L2)2	0	4" O. D. WHITE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-2
498-KH-2O(L2)3	0	4" O. D. WHITE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-2

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/31/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP®

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

NVLAP LAB CODE 101807-0

Approved Signatory:

Sample/Homogeneous Area:	498-KH-2O(L2)	Analysis Date:	9/15/2017	Report Date:	9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-178	498-KH-2O(L2)1	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	
498-179	498-KH-2O(L2)2	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	
498-180	498-KH-2O(L2)3	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/31/2017

Material ID and Description		Unified Sample Area Number
498-KH-2P	4" BLACK COVEBASE	498-KH-2P

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

4" BLACK COVEBASE

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

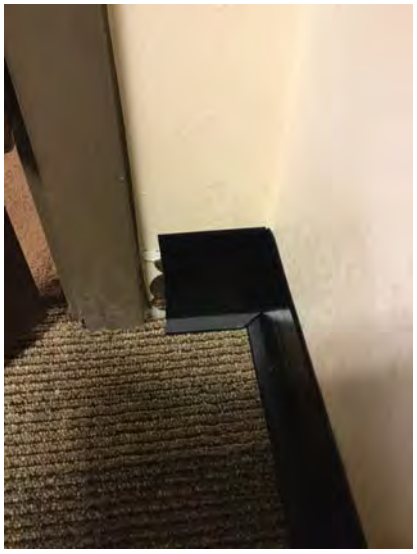
Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-2P1, 498-KH-2P2, 498-KH-2P3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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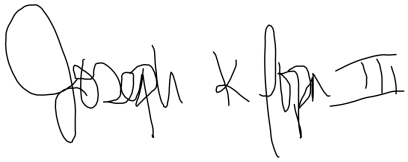
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-2P	4" BLACK COVEBASE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-2P1	0	4" BLACK COVEBASE	See Sketch 498-KH-2
498-KH-2P2	0	4" BLACK COVEBASE	See Sketch 498-KH-2
498-KH-2P3	0	4" BLACK COVEBASE	See Sketch 498-KH-2

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/31/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-2P Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-181	498-KH-2P1	black	Yes	No	-	-	misc. part.	
					-	-	100	
498-182	498-KH-2P2	black	Yes	No	-	-	misc. part.	
					-	-	100	
498-183	498-KH-2P3	black	Yes	No	-	-	misc. part.	
					-	-	100	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/31/2017

Material ID and Description		Unified Sample Area Number
498-KH-2Q	BROWN ADHESIVE BENEATH 4" BLACK COVEBASE	498-KH-2Q

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BROWN ADHESIVE BENEATH 4" BLACK COVEBASE

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

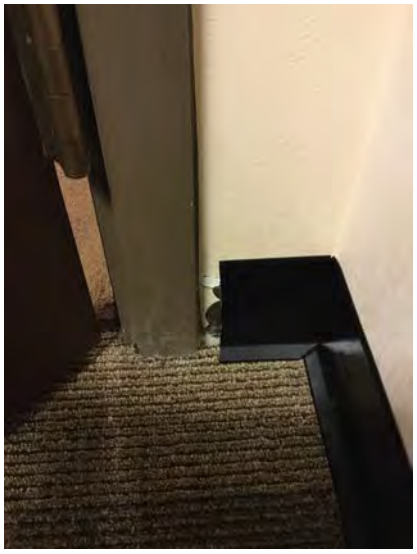
Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-2Q1, 498-KH-2Q2, 498-KH-2Q3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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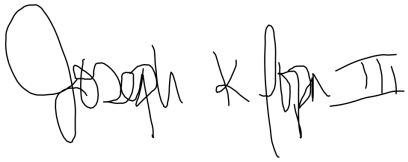
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-2Q	BROWN ADHESIVE BENEATH 4" BLACK COVEBASE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-2Q1	0	BROWN ADHESIVE BENEATH 4" BLACK COVEBASE	See Sketch 498-KH-2
498-KH-2Q2	0	BROWN ADHESIVE BENEATH 4" BLACK COVEBASE	See Sketch 498-KH-2
498-KH-2Q3	0	BROWN ADHESIVE BENEATH 4" BLACK COVEBASE	See Sketch 498-KH-2

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/31/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-2Q Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-184	498-KH-2Q1	brown	Yes	No	-	-	misc. part.	
					-	-	100	
498-185	498-KH-2Q2	brown	Yes	No	-	-	misc. part.	
					-	-	100	
498-186	498-KH-2Q3	brown	Yes	No	-	-	misc. part.	
					-	-	100	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/31/2017

Material ID and Description		Unified Sample Area Number
498-KH-2R	BROWN CAULKING AT WINDOW FRAME	498-KH-2R

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BROWN CAULKING AT WINDOW FRAME

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-2R1, 498-KH-2R2, 498-KH-2R3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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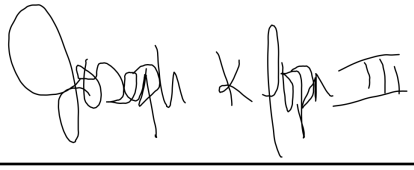
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-2R	BROWN CAULKING AT WINDOW FRAME

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-2R1	0	BROWN CAULKING AT WINDOW FRAME	See Sketch 498-KH-2
498-KH-2R2	0	BROWN CAULKING AT WINDOW FRAME	See Sketch 498-KH-2
498-KH-2R3	0	BROWN CAULKING AT WINDOW FRAME	See Sketch 498-KH-2

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/31/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-2R Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-187	498-KH-2R1	brown	Yes	No	-	-	misc. part.	
					-	-	100	
498-188	498-KH-2R2	brown	Yes	No	-	-	misc. part.	
					-	-	100	
498-189	498-KH-2R3	brown	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/31/2017

Material ID and Description		Unified Sample Area Number
498-KH-2S	12" X 12" PINK W/BROWN STREAKS VFT	498-KH-2S

Document Number	Drawing/Sketch Number	
	498-KH-2	498-KH-2

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

12" X 12" PINK W/BROWN STREAKS VFT

Location of Confirmed, Assumed, or New ACM within Building

See Sketch 498-KH-2

various rooms and corridors

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface	1300		
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:	±1300		

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
None	Significant	None

Visible	Reachable	Texture
More than 10%	Within reach	smooth

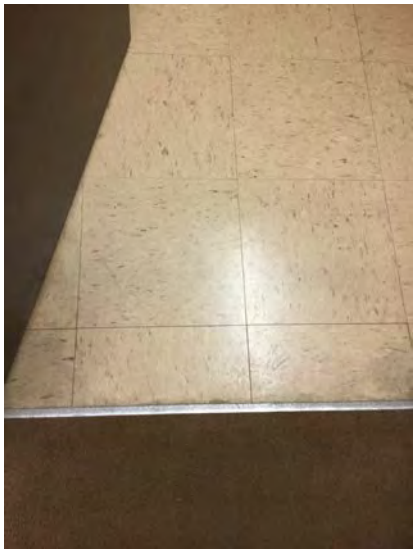
Barriers	Ventilation	If Yes	Friable Surface	
None	Yes	Both	No	Category I

Air Movement	Proximity to Repair Items	Activity
Low	Less than 1 ft.	High

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-2S1, 498-KH-2S2, 498-KH-2S3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**YES**
Number of Salient Designations:	

PHOTOGRAPH



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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-2S	12" X 12" PINK W/BROWN STREAKS VFT

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-2S1	2	12" X 12" PINK W/BROWN STREAKS VFT	See Sketch 498-KH-2
498-KH-2S2	2	12" X 12" PINK W/BROWN STREAKS VFT	See Sketch 498-KH-2
498-KH-2S3	2	12" X 12" PINK W/BROWN STREAKS VFT	See Sketch 498-KH-2

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/31/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-2S Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-190	498-KH-2S1	pink w/ brown streaks	Yes	Yes	chrysotile 2	- -	misc. part. 98	
498-191	498-KH-2S2	pink w/ brown streaks	Yes	Yes	chrysotile 2	- -	misc. part. 98	
498-192	498-KH-2S3	pink w/ brown streaks	Yes	Yes	chrysotile 2	- -	misc. part. 98	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/31/2017

Material ID and Description		Unified Sample Area Number
498-KH-2T	BLACK MASTIC BENEATH 12" X 12" PINK W/BROWN STREAKS VFT	498-KH-2T

Document Number	Drawing/Sketch Number	
	498-KH-2	498-KH-2

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BLACK MASTIC BENEATH 12" X 12" PINK W/BROWN STREAKS VFT

Location of Confirmed, Assumed, or New ACM within Building

See Sketch 498-KH-2

various rooms and corridors

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface	1300		
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:	±1300		

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
None	Moderate	None

Visible	Reachable	Texture
None visible	Within reach	smooth

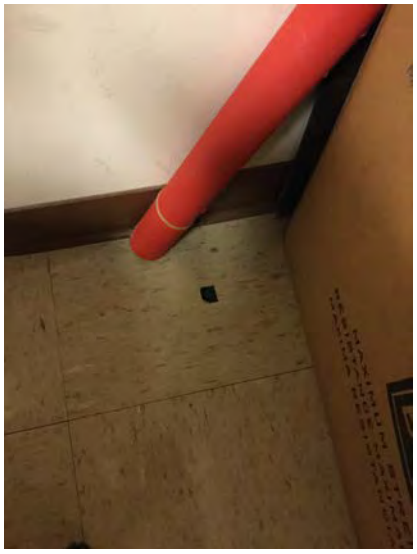
Barriers	Ventilation	If Yes	Friable Surface	
Enclosed	Yes	Both	No	Category I

Air Movement	Proximity to Repair Items	Activity
Low	Less than 1 ft.	High

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-2T1, 498-KH-2T2, 498-KH-2T3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**YES**
Number of Salient Designations:	

PHOTOGRAPH



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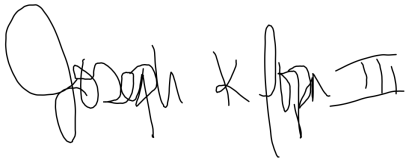
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-2T	BLACK MASTIC BENEATH 12" X 12" PINK W/BROWN STREAKS VFT

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-2T1	2	BLACK MASTIC BENEATH 12" X 12" PINK W/BROWN STREAKS VFT	See Sketch 498-KH-2
498-KH-2T2	2	BLACK MASTIC BENEATH 12" X 12" PINK W/BROWN STREAKS VFT	See Sketch 498-KH-2
498-KH-2T3	2	BLACK MASTIC BENEATH 12" X 12" PINK W/BROWN STREAKS VFT	See Sketch 498-KH-2

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/31/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-2T Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-193	498-KH-2T1	black	Yes	Yes	chrysotile	-	misc. part.	
					2	-	98	
498-194	498-KH-2T2	black	Yes	Yes	chrysotile	-	misc. part.	
					2	-	98	
498-195	498-KH-2T3	black	Yes	Yes	chrysotile	-	misc. part.	
					2	-	98	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/31/2017

Material ID and Description		Unified Sample Area Number
498-KH-2U	12" X 12" GRAY W/GRAY STREAKS VFT	498-KH-2U

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

12" X 12" GRAY W/GRAY STREAKS VFT

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-2U1, 498-KH-2U2, 498-KH-2U3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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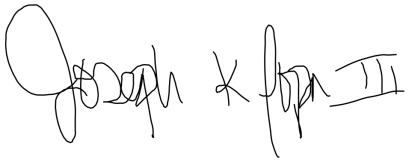
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-2U	12" X 12" GRAY W/GRAY STREAKS VFT

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-2U1	0	12" X 12" GRAY W/GRAY STREAKS VFT	See Sketch 498-KH-2
498-KH-2U2	0	12" X 12" GRAY W/GRAY STREAKS VFT	See Sketch 498-KH-2
498-KH-2U3	0	12" X 12" GRAY W/GRAY STREAKS VFT	See Sketch 498-KH-2

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/31/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-2U Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-196	498-KH-2U1	gray w/ gray streaks	Yes	No	-	-	misc. part.	
					-	-	100	
498-197	498-KH-2U2	gray w/ gray streaks	Yes	No	-	-	misc. part.	
					-	-	100	
498-198	498-KH-2U3	gray w/ gray streaks	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/31/2017

Material ID and Description		Document Number	Unified Sample Area Number
498-KH-2V	YELLOW ADHESIVE BENEATH 12" X 12" GRAY W/GRAY STREAKS VFT		498-KH-2V

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

YELLOW ADHESIVE BENEATH 12" X 12" GRAY W/GRAY STREAKS VFT

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-2V1, 498-KH-2V2, 498-KH-2V3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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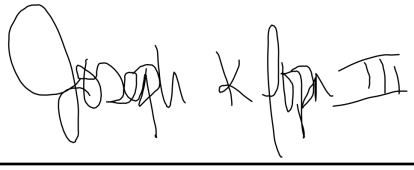
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-2V	YELLOW ADHESIVE BENEATH 12" X 12" GRAY W/GRAY STREAKS VFT

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-2V1	0	YELLOW ADHESIVE BENEATH 12" X 12" GRAY W/GRAY STREAKS VFT	See Sketch 498-KH-2
498-KH-2V2	0	YELLOW ADHESIVE BENEATH 12" X 12" GRAY W/GRAY STREAKS VFT	See Sketch 498-KH-2
498-KH-2V3	0	YELLOW ADHESIVE BENEATH 12" X 12" GRAY W/GRAY STREAKS VFT	See Sketch 498-KH-2

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/31/2017

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Phone (808) 671-8383 Fax (808) 671-7979

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-2V Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-199	498-KH-2V1	yellow	Yes	No	-	-	misc. part.	
					-	-	100	
498-200	498-KH-2V2	yellow	Yes	No	-	-	misc. part.	
					-	-	100	
498-201	498-KH-2V3	yellow	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/31/2017

Material ID and Description		Unified Sample Area Number
498-KH-2W	2' X 4' WHITE PINHOLE ACOUSTICAL CEILING TILE	498-KH-2W

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

2' X 4' WHITE PINHOLE ACOUSTICAL CEILING TILE

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-2W1, 498-KH-2W2, 498-KH-2W3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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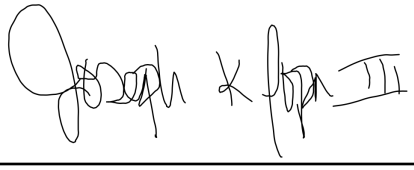
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-2W	2' X 4' WHITE PINHOLE ACOUSTICAL CEILING TILE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-2W1	0	2' X 4' WHITE PINHOLE ACOUSTICAL CEILING TILE	See Sketch 498-KH-2
498-KH-2W2	0	2' X 4' WHITE PINHOLE ACOUSTICAL CEILING TILE	See Sketch 498-KH-2
498-KH-2W3	0	2' X 4' WHITE PINHOLE ACOUSTICAL CEILING TILE	See Sketch 498-KH-2

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/31/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP®

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

NVLAP LAB CODE 101807-0

Approved Signatory:

Sample/Homogeneous Area: 498-KH-2W Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-202	498-KH-2W1	white/ yellow	Yes	No	-	fibrous glass	misc. part.	
					-	90	10	
498-203	498-KH-2W2	white/ yellow	Yes	No	-	fibrous glass	misc. part.	
					-	90	10	
498-204	498-KH-2W3	white/ yellow	Yes	No	-	fibrous glass	misc. part.	
					-	90	10	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/31/2017

Material ID and Description		Unified Sample Area Number
498-KH-2X	12" X 12" BROWN W/BROWN STREAKS VFT	498-KH-2X

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

12" X 12" BROWN W/BROWN STREAKS VFT

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

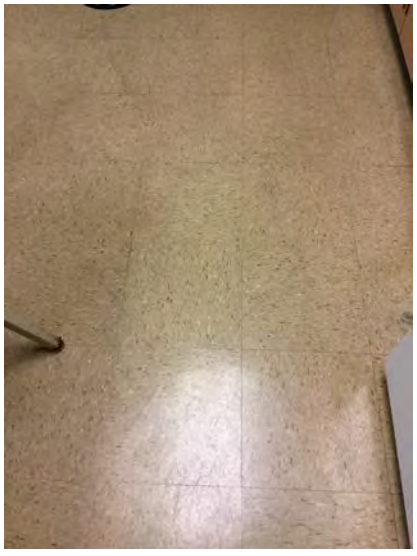
Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-2X1, 498-KH-2X2, 498-KH-2X3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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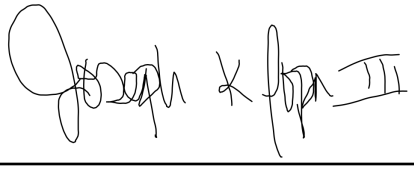
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-2X	12" X 12" BROWN W/BROWN STREAKS VFT

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-2X1	0	12" X 12" BROWN W/BROWN STREAKS VFT	See Sketch 498-KH-2
498-KH-2X2	0	12" X 12" BROWN W/BROWN STREAKS VFT	See Sketch 498-KH-2
498-KH-2X3	0	12" X 12" BROWN W/BROWN STREAKS VFT	See Sketch 498-KH-2

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/31/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-2X Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-205	498-KH-2X1	brown w/ brown streaks	Yes	No	-	-	misc. part.	
					-	-	100	
498-206	498-KH-2X2	brown w/ brown streaks	Yes	No	-	-	misc. part.	
					-	-	100	
498-207	498-KH-2X3	brown w/ brown streaks	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/31/2017

Material ID and Description		Unified Sample Area Number
498-KH-2Y	BLACK MASTIC BENEATH 12" X 12" BROWN W/BROWN STREAKS VFT	498-KH-2Y

Document Number	Drawing/Sketch Number	
	498-KH-2	498-KH-2

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BLACK MASTIC BENEATH 12" X 12" BROWN W/BROWN STREAKS VFT

Location of Confirmed, Assumed, or New ACM within Building

See Sketch 498-KH-2

Section 6 Staff Room

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface	50		
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:	±50		

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
None	Moderate	None

Visible	Reachable	Texture
None visible	Within reach	smooth

Barriers	Ventilation	If Yes	Friable Surface	
Enclosed	Yes	Both	No	Category I

Air Movement	Proximity to Repair Items	Activity
Low	Less than 1 ft.	High

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-2Y1, 498-KH-2Y2, 498-KH-2Y3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**YES**
Number of Salient Designations:	

PHOTOGRAPH



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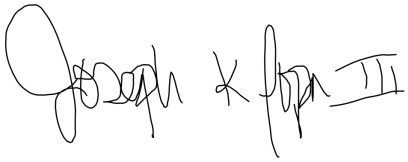
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-2Y	BLACK MASTIC BENEATH 12" X 12" BROWN W/BROWN STREAKS VFT

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-2Y1	2	BLACK MASTIC BENEATH 12" X 12" BROWN W/BROWN STREAKS VFT	See Sketch 498-KH-2
498-KH-2Y2	2	BLACK MASTIC BENEATH 12" X 12" BROWN W/BROWN STREAKS VFT	See Sketch 498-KH-2
498-KH-2Y3	2	BLACK MASTIC BENEATH 12" X 12" BROWN W/BROWN STREAKS VFT	See Sketch 498-KH-2

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/31/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-2Y Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-208	498-KH-2Y1	black	Yes	Yes	chrysotile	-	misc. part.	
					2	-	98	
498-209	498-KH-2Y2	black	Yes	Yes	chrysotile	-	misc. part.	
					2	-	98	
498-210	498-KH-2Y3	black	Yes	Yes	chrysotile	-	misc. part.	
					2	-	98	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/31/2017

Material ID and Description		Unified Sample Area Number
498-KH-2Z	GRAY STONE PATTERN SHEET VINYL FLOORING	498-KH-2Z

Document Number	Drawing/Sketch Number	
	498-KH-2	498-KH-2

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

GRAY STONE PATTERN SHEET VINYL FLOORING

Location of Confirmed, Assumed, or New ACM within Building

See Sketch 498-KH-2

bathrooms in the Judges' Chambers

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface	225		
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:	±225		

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
None	Significant	None

Visible	Reachable	Texture
More than 10%	Within reach	smooth

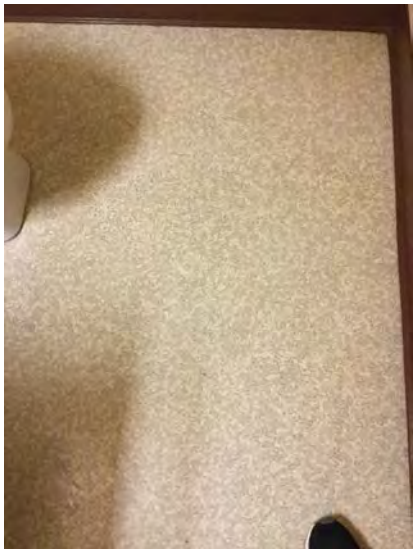
Barriers	Ventilation	If Yes	Friable Surface	
None	Yes	Both	Yes	Hard

Air Movement	Proximity to Repair Items	Activity
Low	Less than 1 ft.	High

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-2Z1, 498-KH-2Z2, 498-KH-2Z3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**YES**
Number of Salient Designations:	

PHOTOGRAPH



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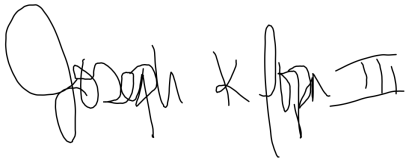
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-2Z	GRAY STONE PATTERN SHEET VINYL FLOORING

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-2Z1	10	GRAY STONE PATTERN SHEET VINYL FLOORING	See Sketch 498-KH-2
498-KH-2Z2	10	GRAY STONE PATTERN SHEET VINYL FLOORING	See Sketch 498-KH-2
498-KH-2Z3	10	GRAY STONE PATTERN SHEET VINYL FLOORING	See Sketch 498-KH-2

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/31/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-2Z Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-211	498-KH-2Z1	gray stone pattern	Yes	Yes	chrysotile 10	cellulose 10	misc. part. 80	
498-212	498-KH-2Z2	gray stone pattern	Yes	Yes	chrysotile 10	cellulose 10	misc. part. 80	
498-213	498-KH-2Z3	gray stone pattern	Yes	Yes	chrysotile 10	cellulose 10	misc. part. 80	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/31/2017

Material ID and Description		Unified Sample Area Number
498-KH-2AA	YELLOW MASTIC BENEATH GRAY STONE PATTERN SHEET VINYL FLOORING	498-KH-2AA

Document Number	Drawing/Sketch Number	
	498-KH-2	498-KH-2

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Unified Sample Area/Homogeneous Material

YELLOW MASTIC BENEATH GRAY STONE PATTERN SHEET VINYL FLOORING

Location of Confirmed, Assumed, or New ACM within Building

See Sketch 498-KH-2

bathrooms in the Judges' Chambers

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface	225		
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:	±225		

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
None	Moderate	None

Visible	Reachable	Texture
None visible	Within reach	smooth

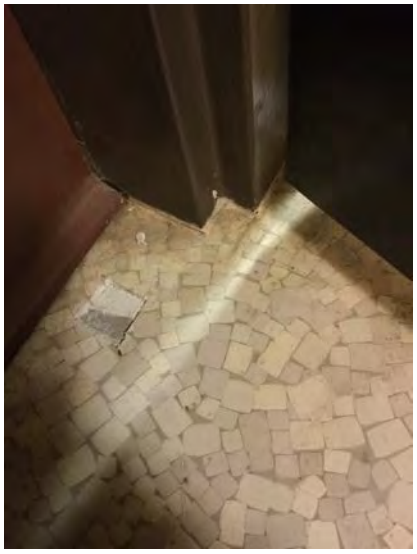
Barriers	Ventilation	If Yes	Friable Surface	
Enclosed	Yes	Both	No	Category I

Air Movement	Proximity to Repair Items	Activity
Low	Less than 1 ft.	High

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-2AA1, 498-KH-2AA2, 498-KH-2AA3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**YES**
Number of Salient Designations:	

PHOTOGRAPH



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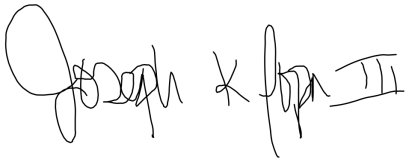
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-2AA	YELLOW MASTIC BENEATH GRAY STONE PATTERN SHEET VINYL FLOORING

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-2AA1	2	YELLOW MASTIC BENEATH GRAY STONE PATTERN SHEET VINYL FLOORING	See Sketch 498-KH-2
498-KH-2AA2	2	YELLOW MASTIC BENEATH GRAY STONE PATTERN SHEET VINYL FLOORING	See Sketch 498-KH-2
498-KH-2AA3	2	YELLOW MASTIC BENEATH GRAY STONE PATTERN SHEET VINYL FLOORING	See Sketch 498-KH-2

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/31/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-2AA Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-214	498-KH-2AA1	yellow	Yes	Yes	chrysotile	-	misc. part.	
					2	-	98	
498-215	498-KH-2AA2	yellow	Yes	Yes	chrysotile	-	misc. part.	
					2	-	98	
498-216	498-KH-2AA3	yellow	Yes	Yes	chrysotile	-	misc. part.	
					2	-	98	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/31/2017

Material ID and Description		Unified Sample Area Number
498-KH-2BB	1' X 1' WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE	498-KH-2BB

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

1' X 1' WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-2BB1, 498-KH-2BB2, 498-KH-2BB3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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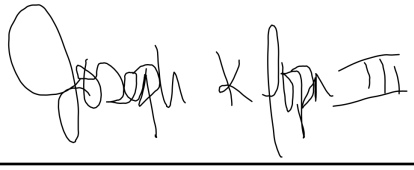
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-2BB	1' X 1' WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-2BB1	0	1' X 1' WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE	See Sketch 498-KH-2
498-KH-2BB2	0	1' X 1' WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE	See Sketch 498-KH-2
498-KH-2BB3	0	1' X 1' WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE	See Sketch 498-KH-2

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/31/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-2BB Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-217	498-KH-2BB1	white	Yes	No	-	cellulose, mineral	misc. part.	
					-	70	30	
498-218	498-KH-2BB2	white	Yes	No	-	cellulose, mineral	misc. part.	
					-	70	30	
498-219	498-KH-2BB3	white	Yes	No	-	cellulose, mineral	misc. part.	
					-	70	30	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/31/2017

Material ID and Description		Unified Sample Area Number
498-KH-2CC	1' X 1' WHITE PINHOLE ACOUSTICAL CEILING TILE	498-KH-2CC

Document Number	Drawing/Sketch Number	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

1' X 1' WHITE PINHOLE ACOUSTICAL CEILING TILE

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

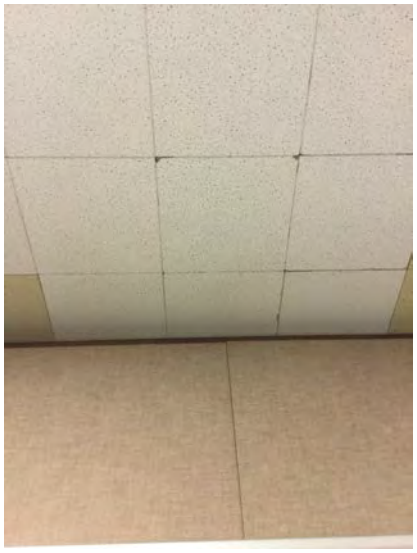
Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-2CC1, 498-KH-2CC2, 498-KH-2CC3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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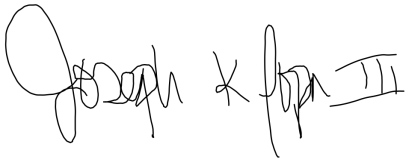
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-2CC	1' X 1' WHITE PINHOLE ACOUSTICAL CEILING TILE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-2CC1	0	1' X 1' WHITE PINHOLE ACOUSTICAL CEILING TILE	See Sketch 498-KH-2
498-KH-2CC2	0	1' X 1' WHITE PINHOLE ACOUSTICAL CEILING TILE	See Sketch 498-KH-2
498-KH-2CC3	0	1' X 1' WHITE PINHOLE ACOUSTICAL CEILING TILE	See Sketch 498-KH-2

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/31/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-2CC Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-220	498-KH-2CC1	white	Yes	No	-	cellulose, mineral	misc. part.	
					-	70	30	
498-221	498-KH-2CC2	white	Yes	No	-	cellulose, mineral	misc. part.	
					-	70	30	
498-222	498-KH-2CC3	white	Yes	No	-	cellulose, mineral	misc. part.	
					-	70	30	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/31/2017

Material ID and Description		Unified Sample Area Number
498-KH-2DD	BLACK SINK INSULATION	498-KH-2DD

Document Number	Drawing/Sketch Number	
	498-KH-2	498-KH-2

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BLACK SINK INSULATION

Location of Confirmed, Assumed, or New ACM within Building

See Sketch 498-KH-2

Staff Lounge adjacent to Mechanical Room and Staff/Conference Room

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface	8		
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:	±8		

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
None	Moderate	None

Visible	Reachable	Texture
More than 10%	Within reach	smooth

Barriers	Ventilation	If Yes	Friable Surface	
None	Yes	Both	No	Category I

Air Movement	Proximity to Repair Items	Activity
Low	Less than 1 ft.	High

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-2DD1, 498-KH-2DD2, 498-KH-2DD3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**YES**
Number of Salient Designations:	

PHOTOGRAPH



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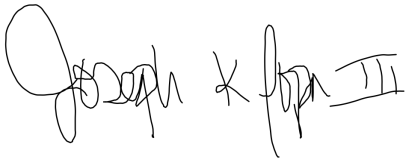
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-2DD	BLACK SINK INSULATION

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-2DD1	2	BLACK SINK INSULATION	See Sketch 498-KH-2
498-KH-2DD2	2	BLACK SINK INSULATION	See Sketch 498-KH-2
498-KH-2DD3	2	BLACK SINK INSULATION	See Sketch 498-KH-2

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/31/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-2DD Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-223	498-KH-2DD1	black	Yes	Yes	chrysotile 2	cellulose 3	misc. part. 95	
498-224	498-KH-2DD2	black	Yes	Yes	chrysotile 2	cellulose 3	misc. part. 95	
498-225	498-KH-2DD3	black	Yes	Yes	chrysotile 2	cellulose 3	misc. part. 95	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
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Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/31/2017

Material ID and Description		Unified Sample Area Number
498-KH-2EE	1" BROWN THRESHOLD	498-KH-2EE

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

1" BROWN THRESHOLD

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

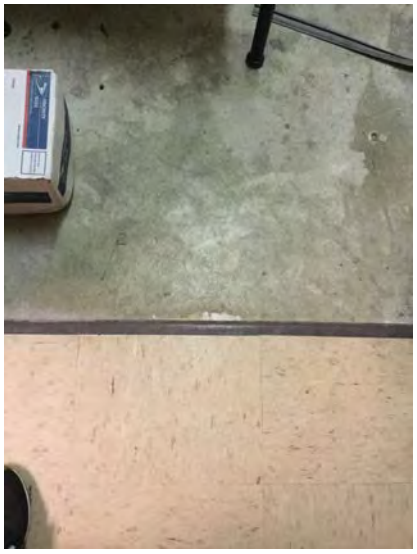
Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-2EE1, 498-KH-2EE2, 498-KH-2EE3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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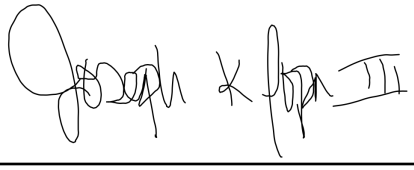
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-2EE	1" BROWN THRESHOLD

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-2EE1	0	1" BROWN THRESHOLD	See Sketch 498-KH-2
498-KH-2EE2	0	1" BROWN THRESHOLD	See Sketch 498-KH-2
498-KH-2EE3	0	1" BROWN THRESHOLD	See Sketch 498-KH-2

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/31/2017

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Phone (808) 671-8383 Fax (808) 671-7979

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-2EE Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-226	498-KH-2EE1	brown	Yes	No	-	-	misc. part.	
					-	-	100	
498-227	498-KH-2EE2	brown	Yes	No	-	-	misc. part.	
					-	-	100	
498-228	498-KH-2EE3	brown	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/31/2017

Material ID and Description		Unified Sample Area Number
498-KH-2FF	BROWN ADHESIVE BENEATH 1" BROWN THRESHOLD	498-KH-2FF

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BROWN ADHESIVE BENEATH 1" BROWN THRESHOLD

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-2FF1, 498-KH-2FF2, 498-KH-2FF3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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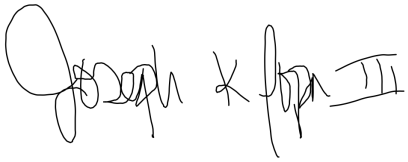
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-2FF	BROWN ADHESIVE BENEATH 1" BROWN THRESHOLD

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-2FF1	0	BROWN ADHESIVE BENEATH 1" BROWN THRESHOLD	See Sketch 498-KH-2
498-KH-2FF2	0	BROWN ADHESIVE BENEATH 1" BROWN THRESHOLD	See Sketch 498-KH-2
498-KH-2FF3	0	BROWN ADHESIVE BENEATH 1" BROWN THRESHOLD	See Sketch 498-KH-2

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/31/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-2FF Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-229	498-KH-2FF1	brown	Yes	No	-	-	misc. part.	
					-	-	100	
498-230	498-KH-2FF2	brown	Yes	No	-	-	misc. part.	
					-	-	100	
498-231	498-KH-2FF3	brown	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/31/2017

Material ID and Description		Unified Sample Area Number
498-KH-2GG	WHITE W/BLUE STREAKS VFT	498-KH-2GG

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

WHITE W/BLUE STREAKS VFT

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-2GG1, 498-KH-2GG2, 498-KH -2GG3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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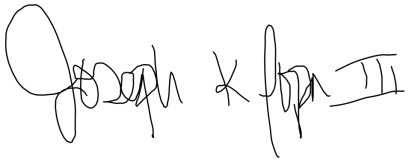
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-2GG	WHITE W/BLUE STREAKS VFT

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-2GG1	0	WHITE W/BLUE STREAKS VFT	See Sketch 498-KH-2
498-KH-2GG2	0	WHITE W/BLUE STREAKS VFT	See Sketch 498-KH-2
498-KH-2GG3	0	WHITE W/BLUE STREAKS VFT	See Sketch 498-KH-2

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/31/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-2GG Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-232	498-KH-2GG1	white w/ blue streaks	Yes	No	-	-	misc. part.	
					-	-	100	
498-233	498-KH-2GG2	white w/ blue streaks	Yes	No	-	-	misc. part.	
					-	-	100	
498-234	498-KH-2GG3	white w/ blue streaks	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/31/2017

Material ID and Description		Unified Sample Area Number
498-KH-2HH	YELLOW ADHESIVE BENEATH WHITE W/BLUE STREAKS VFT	498-KH-2HH

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

YELLOW ADHESIVE BENEATH WHITE W/BLUE STREAKS VFT

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

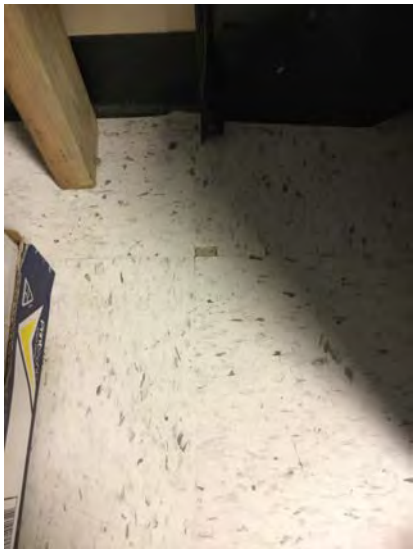
Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-2HH1, 498-KH-2HH2, 498-KH-2HH3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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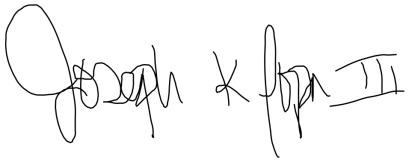
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-2HH	YELLOW ADHESIVE BENEATH WHITE W/BLUE STREAKS VFT

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-2HH1	0	YELLOW ADHESIVE BENEATH WHITE W/BLUE STREAKS VFT	See Sketch 498-KH-2
498-KH-2HH2	0	YELLOW ADHESIVE BENEATH WHITE W/BLUE STREAKS VFT	See Sketch 498-KH-2
498-KH-2HH3	0	YELLOW ADHESIVE BENEATH WHITE W/BLUE STREAKS VFT	See Sketch 498-KH-2

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/31/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-2HH Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-235	498-KH-2HH1	gray	Yes	No	-	-	misc. part.	
					-	-	100	
498-236	498-KH-2HH2	gray	Yes	No	-	-	misc. part.	
					-	-	100	
498-237	498-KH-2HH3	gray	Yes	No	-	-	misc. part.	
					-	-	100	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/31/2017

Material ID and Description		Unified Sample Area Number
498-KH-2II	GRAY SEALANT AT FLOOR PENETRATION	498-KH-2II

Document Number	Drawing/Sketch Number	
	498-KH-2	498-KH-2

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

GRAY SEALANT AT FLOOR PENETRATION

Location of Confirmed, Assumed, or New ACM within Building

See Sketch 498-KH-2

southeast Telephone Room

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface	1		
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:	±1		

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
None	Moderate	None

Visible	Reachable	Texture
More than 10%	Within reach	smooth

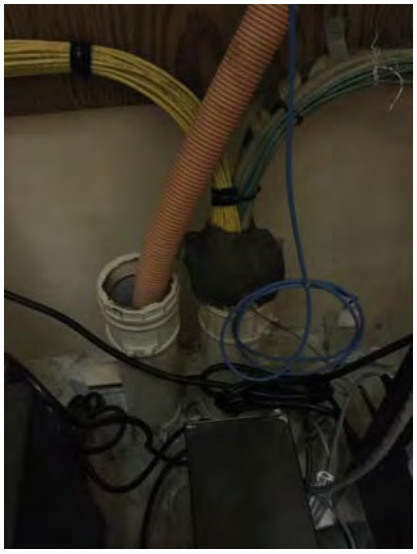
Barriers	Ventilation	If Yes	Friable Surface	
None	Yes	Both	No	Category I

Air Movement	Proximity to Repair Items	Activity
Low	Less than 1 ft.	Low

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-2II1, 498-KH-2II2, 498-KH-2II3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**YES**
Number of Salient Designations:	

PHOTOGRAPH



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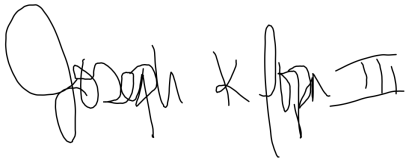
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-2II	GRAY SEALANT AT FLOOR PENETRATION

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-2II1	2	GRAY SEALANT AT FLOOR PENETRATION	See Sketch 498-KH-2
498-KH-2II2	2	GRAY SEALANT AT FLOOR PENETRATION	See Sketch 498-KH-2
498-KH-2II3	2	GRAY SEALANT AT FLOOR PENETRATION	See Sketch 498-KH-2

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/31/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-2II Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-238	498-KH-2II1	gray	Yes	Yes	chrysotile 2	cellulose 2	misc. part. 96	
498-239	498-KH-2II2	gray	Yes	Yes	chrysotile 2	cellulose 2	misc. part. 96	
498-240	498-KH-2II3	gray	Yes	Yes	chrysotile 2	cellulose 2	misc. part. 96	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/31/2017

Material ID and Description		Unified Sample Area Number
498-KH-2JJ	4" BROWN COVEBASE	498-KH-2JJ

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

4" BROWN COVEBASE

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

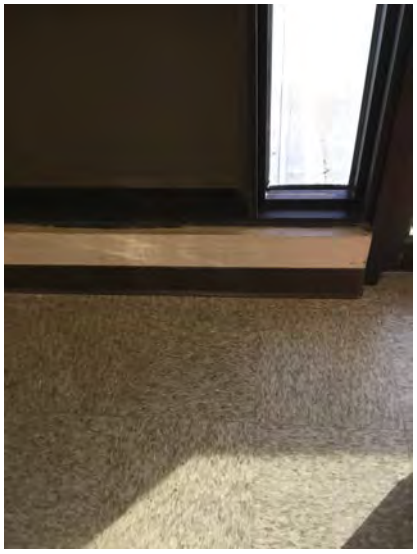
Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-2JJ1, 498-KH-2JJ2, 498-KH-2JJ3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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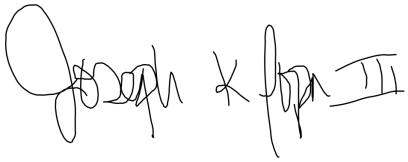
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-2JJ	4" BROWN COVEBASE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-2JJ1	0	4" BROWN COVEBASE	See Sketch 498-KH-2
498-KH-2JJ2	0	4" BROWN COVEBASE	See Sketch 498-KH-2
498-KH-2JJ3	0	4" BROWN COVEBASE	See Sketch 498-KH-2

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/31/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-2JJ Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-241	498-KH-2JJ1	brown	Yes	No	-	-	misc. part.	
					-	-	100	
498-242	498-KH-2JJ2	brown	Yes	No	-	-	misc. part.	
					-	-	100	
498-243	498-KH-2JJ3	brown	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/31/2017

Material ID and Description		Unified Sample Area Number
498-KH-2KK	BEIGE ADHESIVE BENEATH 4" BROWN COVEBASE	498-KH-2KK

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BEIGE ADHESIVE BENEATH 4" BROWN COVEBASE

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-2KK1, 498-KH-2KK2, 498-KH-2KK3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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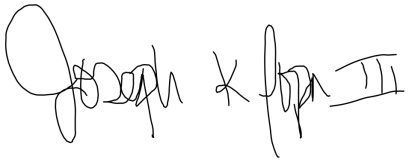
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-2KK	BEIGE ADHESIVE BENEATH 4" BROWN COVEBASE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-2KK1	0	BEIGE ADHESIVE BENEATH 4" BROWN COVEBASE	See Sketch 498-KH-2
498-KH-2KK2	0	BEIGE ADHESIVE BENEATH 4" BROWN COVEBASE	See Sketch 498-KH-2
498-KH-2KK3	0	BEIGE ADHESIVE BENEATH 4" BROWN COVEBASE	See Sketch 498-KH-2

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/31/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-2KK Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-244	498-KH-2KK1	beige	Yes	No	-	-	misc. part.	
					-	-	100	
498-245	498-KH-2KK2	beige	Yes	No	-	-	misc. part.	
					-	-	100	
498-246	498-KH-2KK3	beige	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/31/2017

Material ID and Description		Unified Sample Area Number
498-KH-2LL	BLACK VIBRATION CLOTH	498-KH-2LL

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BLACK VIBRATION CLOTH

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

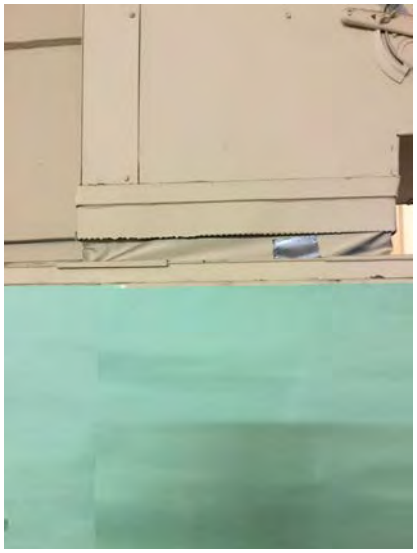
Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-2LL1, 498-KH-2LL2, 498-KH-2LL3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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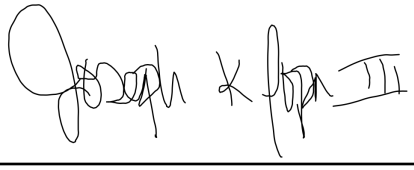
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-2LL	BLACK VIBRATION CLOTH

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-2LL1	0	BLACK VIBRATION CLOTH	See Sketch 498-KH-2
498-KH-2LL2	0	BLACK VIBRATION CLOTH	See Sketch 498-KH-2
498-KH-2LL3	0	BLACK VIBRATION CLOTH	See Sketch 498-KH-2

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/31/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-2LL Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-247	498-KH-2LL1	black	Yes	No	-	synthetic	misc. part.	
					-	20	80	
498-248	498-KH-2LL2	black	Yes	No	-	synthetic	misc. part.	
					-	20	80	
498-249	498-KH-2LL3	black	Yes	No	-	synthetic	misc. part.	
					-	20	80	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/31/2017

Material ID and Description		Unified Sample Area Number
498-KH-2MM (L1)	6" O. D. WHITE WRAP W/YELLOW INSULATION TSI	498-KH-2MM(L1)

Document Number	Drawing/Sketch Number	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

6" O. D. WHITE WRAP W/YELLOW INSULATION TSI

wrap layer

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

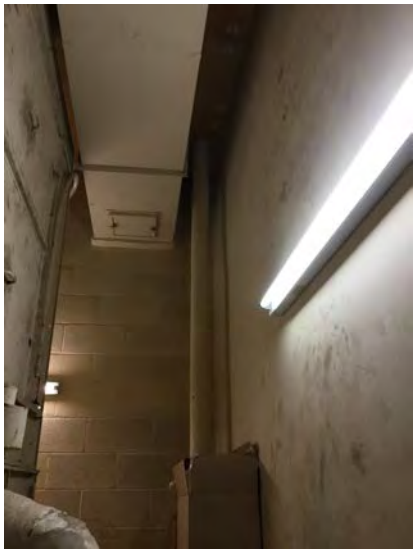
Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-2MM(L1)1, 498-KH-2MM(L1)2, 498-KH-2MM(L1)3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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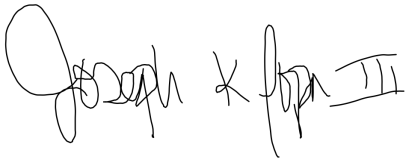
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-2MM(L1)	6" O. D. WHITE WRAP W/YELLOW INSULATION TSI

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-2MM(L1)1	0	6" O. D. WHITE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-2
498-KH-2MM(L1)2	0	6" O. D. WHITE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-2
498-KH-2MM(L1)3	0	6" O. D. WHITE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-2

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/31/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-2MM(L1) Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-250	498-KH-2MM(L1)1	white	Yes	No	-	cellulose	misc. part.	
					-	20	80	
498-251	498-KH-2MM(L1)2	white	Yes	No	-	cellulose	misc. part.	
					-	20	80	
498-252	498-KH-2MM(L1)3	white	Yes	No	-	cellulose	misc. part.	
					-	20	80	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/31/2017

Material ID and Description		Unified Sample Area Number
498-KH-2MM (L2)	6" O. D. WHITE WRAP W/YELLOW INSULATION TSI	498-KH-2MM(L2)

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

6" O. D. WHITE WRAP W/YELLOW INSULATION TSI

insulation layer

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

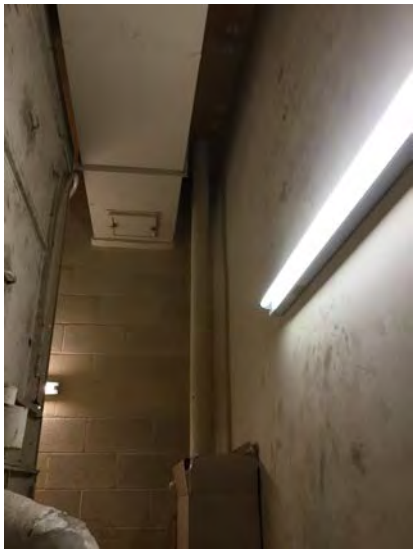
Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-2MM(L2)1, 498-KH-2MM(L2)2, 498-KH-2MM(L2)3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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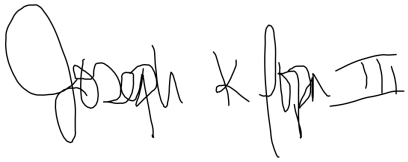
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-2MM(L2)	6" O. D. WHITE WRAP W/YELLOW INSULATION TSI

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-2MM(L2)1	0	6" O. D. WHITE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-2
498-KH-2MM(L2)2	0	6" O. D. WHITE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-2
498-KH-2MM(L2)3	0	6" O. D. WHITE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-2

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/31/2017

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Phone (808) 671-8383 Fax (808) 671-7979

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-2MM(L2) Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-253	498-KH-2MM(L2)1	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	
498-254	498-KH-2MM(L2)2	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	
498-255	498-KH-2MM(L2)3	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/31/2017

Material ID and Description		Unified Sample Area Number
498-KH-2NN(L1)	8" O. D. WHITE WRAP W/WHITE FOAM INSULATION TSI	498-KH-2NN(L1)

Document Number	Drawing/Sketch Number	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

8" O. D. WHITE WRAP W/WHITE FOAM INSULATION TSI

wrap layer

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-2NN(L1)1, 498-KH-2NN(L1)2, 498-KH-2NN(L1)3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-2NN(L1)	8" O. D. WHITE WRAP W/WHITE FOAM INSULATION TSI

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-2NN(L1)1	0	8" O. D. WHITE WRAP W/WHITE FOAM INSULATION TSI	See Sketch 498-KH-2
498-KH-2NN(L1)2	0	8" O. D. WHITE WRAP W/WHITE FOAM INSULATION TSI	See Sketch 498-KH-2
498-KH-2NN(L1)3	0	8" O. D. WHITE WRAP W/WHITE FOAM INSULATION TSI	See Sketch 498-KH-2

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/31/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-2NN(L1) Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-256	498-KH-2NN(L1)1	white	Yes	No	-	cellulose	misc. part.	
					-	30	70	
498-257	498-KH-2NN(L1)2	white	Yes	No	-	cellulose	misc. part.	
					-	30	70	
498-258	498-KH-2NN(L1)3	white	Yes	No	-	cellulose	misc. part.	
					-	30	70	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/31/2017

Material ID and Description		Unified Sample Area Number
498-KH-2NN(L2)	8" O. D. WHITE WRAP W/WHITE FOAM INSULATION TSI	498-KH-2NN(L2)

Document Number	Drawing/Sketch Number	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

8" O. D. WHITE WRAP W/WHITE FOAM INSULATION TSI

insulation layer

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-2NN(L2)1, 498-KH-2NN(L2)2, 498-KH-2NN(L2)3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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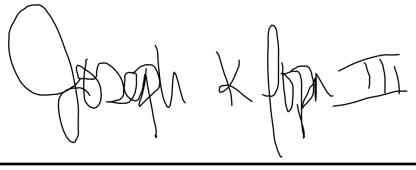
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-2NN(L2)	8" O. D. WHITE WRAP W/WHITE FOAM INSULATION TSI

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-2NN(L2)1	0	8" O. D. WHITE WRAP W/WHITE FOAM INSULATION TSI	See Sketch 498-KH-2
498-KH-2NN(L2)2	0	8" O. D. WHITE WRAP W/WHITE FOAM INSULATION TSI	See Sketch 498-KH-2
498-KH-2NN(L2)3	0	8" O. D. WHITE WRAP W/WHITE FOAM INSULATION TSI	See Sketch 498-KH-2

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/31/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-2NN(L2) Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-259	498-KH-2NN(L2)1	white	Yes	No	-	-	misc. part.	
					-	-	100	
498-260	498-KH-2NN(L2)2	white	Yes	No	-	-	misc. part.	
					-	-	100	
498-261	498-KH-2NN(L2)3	white	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/31/2017

Material ID and Description		Unified Sample Area Number
498-KH-2OO (L1)	8" O. D. WHITE WRAP W/YELLOW INSULATION TSI	498-KH-2OO(L1)

Document Number	Drawing/Sketch Number	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

8" O. D. WHITE WRAP W/YELLOW INSULATION TSI

wrap layer

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-2OO(L1)1, 498-KH-2OO(L1)2, 498-KH-2OO(L1)3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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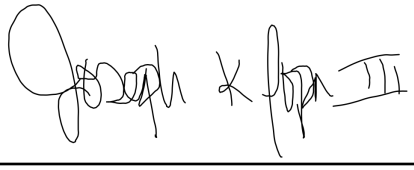
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-2OO(L1)	8" O. D. WHITE WRAP W/YELLOW INSULATION TSI

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-2OO(L1)1	0	8" O. D. WHITE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-2
498-KH-2OO(L1)2	0	8" O. D. WHITE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-2
498-KH-2OO(L1)3	0	8" O. D. WHITE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-2

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/31/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-2OO(L1) Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-262	498-KH-2OO(L1)1	white	Yes	No	- -	cellulose 30	misc. part. 70	
498-263	498-KH-2OO(L1)2	white	Yes	No	- -	cellulose 30	misc. part. 70	
498-264	498-KH-2OO(L1)3	white	Yes	No	- -	cellulose 30	misc. part. 70	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/31/2017

Material ID and Description		Unified Sample Area Number
498-KH-2OO (L2)	8" O. D. WHITE WRAP W/YELLOW INSULATION TSI	498-KH-2OO(L2)

Document Number	Drawing/Sketch Number	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

8" O. D. WHITE WRAP W/YELLOW INSULATION TSI

insulation layer

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-2OO(L2)1, 498-KH-2OO(L2)2, 498-KH-2OO(L2)3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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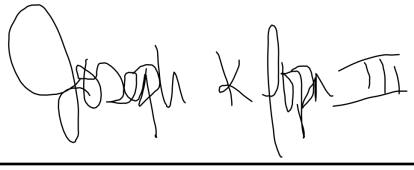
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-2OO(L2)	8" O. D. WHITE WRAP W/YELLOW INSULATION TSI

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-2OO(L2)1	0	8" O. D. WHITE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-2
498-KH-2OO(L2)2	0	8" O. D. WHITE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-2
498-KH-2OO(L2)3	0	8" O. D. WHITE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-2

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/31/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-2OO(L2) Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-265	498-KH-2OO(L2)1	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	
498-266	498-KH-2OO(L2)2	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	
498-267	498-KH-2OO(L2)3	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
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Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/31/2017

Material ID and Description		Unified Sample Area Number
498-KH-2PP	BEIGE CAULKING AT AHU SEAMS	498-KH-2PP

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BEIGE CAULKING AT AHU SEAMS

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-2PP1, 498-KH-2PP2, 498-KH-2PP3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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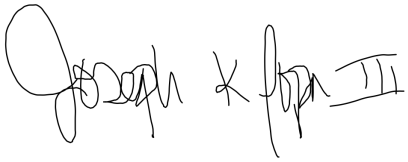
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-2PP	BEIGE CAULKING AT AHU SEAMS

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-2PP1	0	BEIGE CAULKING AT AHU SEAMS	See Sketch 498-KH-2
498-KH-2PP2	0	BEIGE CAULKING AT AHU SEAMS	See Sketch 498-KH-2
498-KH-2PP3	0	BEIGE CAULKING AT AHU SEAMS	See Sketch 498-KH-2

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/31/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-2PP Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-268	498-KH-2PP1	beige	Yes	No	-	-	misc. part.	
					-	-	100	
498-269	498-KH-2PP2	beige	Yes	No	-	-	misc. part.	
					-	-	100	
498-270	498-KH-2PP3	beige	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/31/2017

Material ID and Description		Unified Sample Area Number
498-KH-2QQ	WHITE PLASTER CEILING	498-KH-2QQ

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

WHITE PLASTER CEILING

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

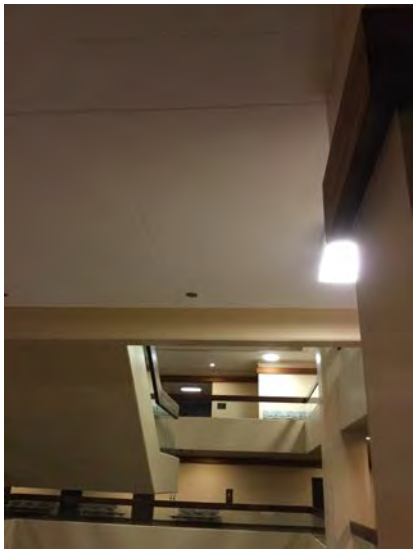
Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-2QQ1, 498-KH-2QQ2, 498-KH -2QQ3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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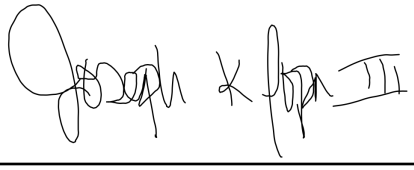
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-2QQ	WHITE PLASTER CEILING

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-2QQ1	0	WHITE PLASTER CEILING	See Sketch 498-KH-2
498-KH-2QQ2	0	WHITE PLASTER CEILING	See Sketch 498-KH-2
498-KH-2QQ3	0	WHITE PLASTER CEILING	See Sketch 498-KH-2

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/31/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-2QQ Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-271	498-KH-2QQ1	white	Yes	No	-	cellulose	misc. part.	
					-	2	98	
498-272	498-KH-2QQ2	white	Yes	No	-	cellulose	misc. part.	
					-	2	98	
498-273	498-KH-2QQ3	white	Yes	No	-	cellulose	misc. part.	
					-	2	98	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/31/2017

Material ID and Description		Unified Sample Area Number
498-KH-2RR	BLACK CAULKING AT AHU	498-KH-2RR

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BLACK CAULKING AT AHU

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-2RR1, 498-KH-2RR2, 498-KH-2RR3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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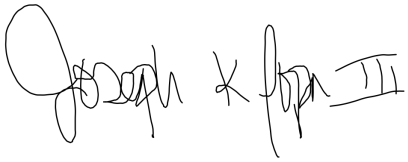
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-2RR	BLACK CAULKING AT AHU

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-2RR1	0	BLACK CAULKING AT AHU	See Sketch 498-KH-2
498-KH-2RR2	0	BLACK CAULKING AT AHU	See Sketch 498-KH-2
498-KH-2RR3	0	BLACK CAULKING AT AHU	See Sketch 498-KH-2

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/31/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-2RR Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-274	498-KH-2RR1	black	Yes	No	-	fibrous glass	misc. part.	
					-	3	97	
498-275	498-KH-2RR2	black	Yes	No	-	fibrous glass	misc. part.	
					-	3	97	
498-276	498-KH-2RR3	black	Yes	No	-	fibrous glass	misc. part.	
					-	3	97	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/31/2017

Material ID and Description		Unified Sample Area Number
498-KH-2SS	GRAY PLASTIC FLEX DUCT W/YELLOW INSULATION	498-KH-2SS

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

GRAY PLASTIC FLEX DUCT W/YELLOW INSULATION

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage

Visible	Reachable	Texture

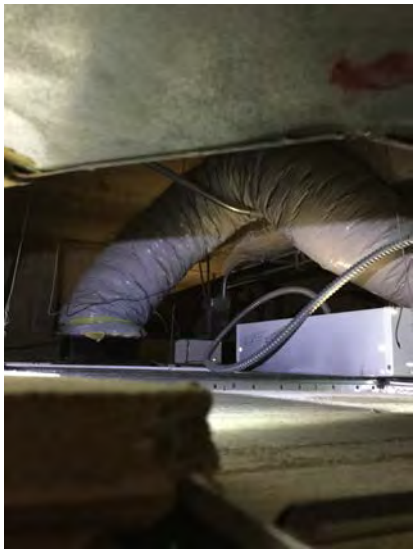
Barriers	Ventilation	If Yes	Friable Surface	

Air Movement	Proximity to Repair Items	Activity

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	
Samples Collected by	
Sample Numbers	
Total Number of Samples Analyzed	
Samples Analyzed by	
ASBESTOS-CONTAINING MATERIAL ?	
Number of Salient Designations:	

PHOTOGRAPH



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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/31/2017

Material ID and Description		Unified Sample Area Number
498-KH-2TT	GREEN CARPET ADHESIVE	498-KH-2TT

Document Number:

Drawing/Sketch Number:

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Unified Sample Area/Homogeneous Material

GREEN CARPET ADHESIVE

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-2TT1, 498-KH-2TT2, 498-KH-2TT3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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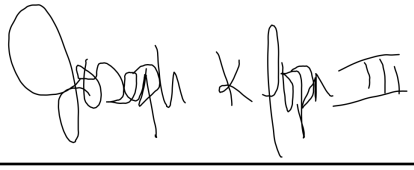
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-2TT	GREEN CARPET ADHESIVE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-2TT1	0	GREEN CARPET ADHESIVE	See Sketch 498-KH-2
498-KH-2TT2	0	GREEN CARPET ADHESIVE	See Sketch 498-KH-2
498-KH-2TT3	0	GREEN CARPET ADHESIVE	See Sketch 498-KH-2

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/31/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-2TT Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-277	498-KH-2TT1	green	Yes	No	-	-	misc. part.	
					-	-	100	
498-278	498-KH-2TT2	green	Yes	No	-	-	misc. part.	
					-	-	100	
498-279	498-KH-2TT3	green	Yes	No	-	-	misc. part.	
					-	-	100	

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State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/31/2017

Material ID and Description		Unified Sample Area Number
498-KH-2UU(L1)	10" O. D. WHITE WRAP W/YELLOW INSULATION TSI	498-KH-2UU(L1)

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

10" O. D. WHITE WRAP W/YELLOW INSULATION TSI

wrap layer

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

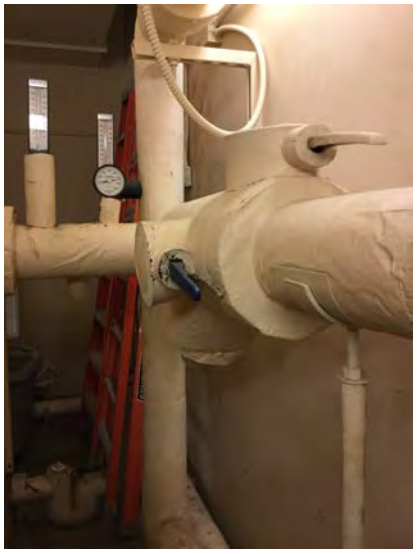
Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-2UU(L1)1, 498-KH-2UU(L1)2, 498-KH-2UU(L1)3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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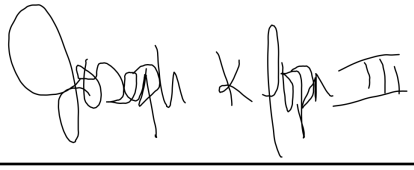
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-2UU(L1)	10" O. D. WHITE WRAP W/YELLOW INSULATION TSI

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-2UU(L1)1	0	10" O. D. WHITE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-2
498-KH-2UU(L1)2	0	10" O. D. WHITE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-2
498-KH-2UU(L1)3	0	10" O. D. WHITE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-2

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/31/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-2UU(L1) Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-280	498-KH-2UU(L1)1	white	Yes	No	-	cellulose	misc. part.	
					-	20	80	
498-281	498-KH-2UU(L1)2	white	Yes	No	-	cellulose	misc. part.	
					-	20	80	
498-282	498-KH-2UU(L1)3	white	Yes	No	-	cellulose	misc. part.	
					-	20	80	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	8/31/2017

Material ID and Description		Unified Sample Area Number
498-KH-2UU(L2)	10" O. D. WHITE WRAP W/YELLOW INSULATION TSI	498-KH-2UU(L2)

Document Number	Drawing/Sketch Number	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

10" O. D. WHITE WRAP W/YELLOW INSULATION TSI

insulation layer

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

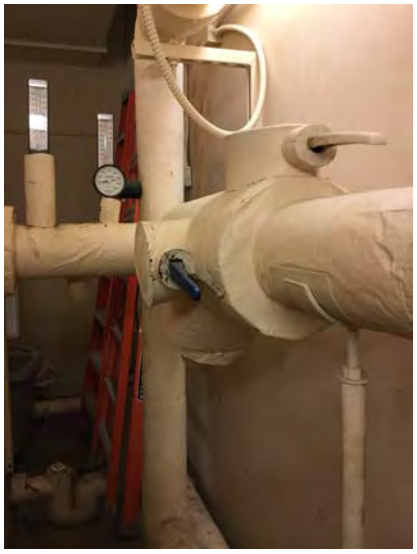
Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-2UU(L2)1, 498-KH-2UU(L2)2, 498-KH-2UU(L2)3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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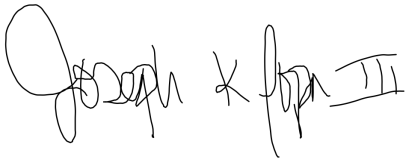
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-2UU(L2)	10" O. D. WHITE WRAP W/YELLOW INSULATION TSI

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-2UU(L2)1	0	10" O. D. WHITE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-2
498-KH-2UU(L2)2	0	10" O. D. WHITE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-2
498-KH-2UU(L2)3	0	10" O. D. WHITE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-2

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		8/31/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-2UU(L2) Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-283	498-KH-2UU(L2)1	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	
498-284	498-KH-2UU(L2)2	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	
498-285	498-KH-2UU(L2)3	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/14/2017

Material ID and Description		Unified Sample Area Number
498-KH-2VV	WATERPROOFING MATERIAL	498-KH-2VV

Document Number	Drawing/Sketch Number	
	498-KH-2	498-KH-2

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

WATERPROOFING MATERIAL

inaccessible w/o causing significant damage, ASSUMED ACM

Location of Confirmed, Assumed, or New ACM within Building

See Sketch 498-KH-2

presumed to exist under ceramic flooring in Atrium and bathrooms

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface	2500		
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:	±2500		

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
None	None	None

Visible	Reachable	Texture
None visible	Within reach	

Barriers	Ventilation	If Yes	Friable Surface	
Enclosed	Yes	Both		

Air Movement	Proximity to Repair Items	Activity
Low	Less than 1 ft.	High

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	0
Samples Collected by	Other
Sample Numbers	
Total Number of Samples Analyzed	0
Samples Analyzed by	Other
ASBESTOS-CONTAINING MATERIAL ?	**Assumed**
Number of Salient Designations:	

PHOTOGRAPH

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Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name

KH	Ka'ahumanu Hale

For the ACM - Space Identified as:

498-KH-3

Building Location

777 Punchbowl Street
Honolulu, HI 96813

EMET ID

1511498

Inspection Date(s): 8/30/2017 - 9/14/2017

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACBM Present			Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Friable	T	DC	PD		
498-KH-3A	4" BROWN COVEBASE		YES	NO ACM						
498-KH-3B	BROWN ADHESIVE BENEATH 4" BROWN COVEBASE		YES	NO ACM						
498-KH-3C	4" BLACK COVEBASE		YES	NO ACM						
498-KH-3D	BEIGE ADHESIVE BENEATH 4" BLACK COVEBASE		YES	NO ACM						
498-KH-3E	4" DARK BROWN COVEBASE		YES	NO ACM						
498-KH-3F	BEIGE ADHESIVE BENEATH DARK BROWN COVEBASE		YES	NO ACM						

*** Refers to Material Type and Damage Conditions**

T = Material Type:	DC = Damage Condition:	PD = Potential Damage Condition:
S = Surfacing	ND = No Damage	NPD = No Potential Damage
M = Miscellaneous	D = Damaged	PD = ACBM w/ Potential Damage
T = Thermal Systems	SD = Significant Damage	PSD = Potential Significant Damage

**** Recommended Response Actions:**

1. Isolate area and restrict access. Remove or repair ASAP.
2. Continue Operations and Maintenance (O&M) program. Remove or repair ASAP or reduce potential for disturbance.

3-5. Repair, continue O&M. Lower number indicates higher priority if all repair cannot be done immediately.

6-7. Continue O&M. Take preventive measures to reduce disturbance. Number indicates priority for removal.

8. Continue O&M until major renovation or demolition requires removal under NESHAPS, or until hazard assessment factors change.

Note: An O&M program may include enclosure and encapsulation.

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Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name

KH	Ka'ahumanu Hale

For the ACM - Space Identified as:

498-KH-3

Building Location

777 Punchbowl Street
Honolulu, HI 96813

EMET ID

1511498

Inspection Date(s): 8/30/2017 - 9/14/2017

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACBM Present			Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Friable	T	DC	PD		
498-KH-3G	WHITE GYPSUM WALLBOARD/MUDJOINT WALL AND CEILING SYSTEM		YES	NO ACM						
498-KH-3H	2' X 4' WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE		YES	NO ACM						
498-KH-3I	2' X 2' WHITE ACOUSTICAL CEILING TILE		YES	NO ACM						
498-KH-3J	BROWN DUCT MASTIC		YES	NO ACM						
498-KH-3K	WHITE CAULKING AT PLUMBING FIXTURE		YES	NO ACM						
498-KH-3L	WHITE CAULKING AT DOOR FRAME		YES	NO ACM						

*** Refers to Material Type and Damage Conditions**

T = Material Type:	DC = Damage Condition:	PD = Potential Damage Condition:
S = Surfacing	ND = No Damage	NPD = No Potential Damage
M = Miscellaneous	D = Damaged	PD = ACBM w/ Potential Damage
T = Thermal Systems	SD = Significant Damage	PSD = Potential Significant Damage

**** Recommended Response Actions:**

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2. Continue Operations and Maintenance (O&M) program. Remove or repair ASAP or reduce potential for disturbance.

3-5. Repair, continue O&M. Lower number indicates higher priority if all repair cannot be done immediately.

6-7. Continue O&M. Take preventive measures to reduce disturbance. Number indicates priority for removal.

8. Continue O&M until major renovation or demolition requires removal under NESHAPS, or until hazard assessment factors change.

Note: An O&M program may include enclosure and encapsulation.

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Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name

KH | Ka'ahumanu Hale

For the ACM - Space Identified as:

498-KH-3

Building Location

777 Punchbowl Street
Honolulu, HI 96813

EMET ID

1511498

Inspection Date(s): 8/30/2017 - 9/14/2017

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACBM Present			Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Friable	T	DC	PD		
498-KH-3M	BLACK VIBRATION CLOTH		YES	NO ACM						
498-KH-3N(L1)	6" O. D. WHITE WRAP W/YELLOW INSULATION TSI	wrap layer	YES	NO ACM						
498-KH-3N(L2)	6" O. D. WHITE WRAP W/YELLOW INSULATION TSI	insulation layer	YES	NO ACM						
498-KH-3O(L1)	8" O. D. WHITE WRAP W/YELLOW INSULATION TSI	wrap layer	YES	NO ACM						
498-KH-3O(L2)	8" O. D. WHITE WRAP W/YELLOW INSULATION TSI	insulation layer	YES	NO ACM						
498-KH-3P(L1)	10" O. D. WHITE WRAP W/YELLOW INSULATION TSI	wrap layer	YES	NO ACM						

*** Refers to Material Type and Damage Conditions**

T = Material Type:	DC = Damage Condition:	PD = Potential Damage Condition:
S = Surfacing	ND = No Damage	NPD = No Potential Damage
M = Miscellaneous	D = Damaged	PD = ACBM w/ Potential Damage
T = Thermal Systems	SD = Significant Damage	PSD = Potential Significant Damage

**** Recommended Response Actions:**

1. Isolate area and restrict access. Remove or repair ASAP.
2. Continue Operations and Maintenance (O&M) program. Remove or repair ASAP or reduce potential for disturbance.

3-5. Repair, continue O&M. Lower number indicates higher priority if all repair cannot be done immediately.

6-7. Continue O&M. Take preventive measures to reduce disturbance. Number indicates priority for removal.

8. Continue O&M until major renovation or demolition requires removal under NESHAPS, or until hazard assessment factors change.

Note: An O&M program may include enclosure and encapsulation.

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Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name

KH | Ka'ahumanu Hale

For the ACM - Space Identified as:

498-KH-3

Building Location

777 Punchbowl Street
Honolulu, HI 96813

EMET ID

1511498

Inspection Date(s): 8/30/2017 - 9/14/2017

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACBM Present			Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Friable	T	DC	PD		
498-KH-3P(L2)	10" O. D. WHITE WRAP W/YELLOW INSULATION TSI	insulation layer	YES	NO ACM						
498-KH-3Q	WHITE CAULKING AT AHU SEAMS		YES	NO ACM						
498-KH-3R	BLACK CAULKING AT AHU SEAMS		YES	NO ACM						
498-KH-3S	12" X 12" PINK W/GRAY STREAKS VFT		YES	ACM	NO	M	ND	PSD	8	$16000
498-KH-3T	BLACK MASTIC BENEATH 12" X 12" PINK W/GRAY STREAKS VFT		YES	ACM	NO	M	ND	PD	8	$16000
498-KH-3U	GREEN CARPET ADHESIVE		YES	NO ACM						

*** Refers to Material Type and Damage Conditions**

T = Material Type:	DC = Damage Condition:	PD = Potential Damage Condition:
S = Surfacing	ND = No Damage	NPD = No Potential Damage
M = Miscellaneous	D = Damaged	PD = ACBM w/ Potential Damage
T = Thermal Systems	SD = Significant Damage	PSD = Potential Significant Damage

**** Recommended Response Actions:**

1. Isolate area and restrict access. Remove or repair ASAP.
2. Continue Operations and Maintenance (O&M) program. Remove or repair ASAP or reduce potential for disturbance.

3-5. Repair, continue O&M. Lower number indicates higher priority if all repair cannot be done immediately.

6-7. Continue O&M. Take preventive measures to reduce disturbance. Number indicates priority for removal.

8. Continue O&M until major renovation or demolition requires removal under NESHAPS, or until hazard assessment factors change.

Note: An O&M program may include enclosure and encapsulation.

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Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name

KH | Ka'ahumanu Hale

For the ACM - Space Identified as:

498-KH-3

Building Location

777 Punchbowl Street
Honolulu, HI 96813

EMET ID

1511498

Inspection Date(s): 8/30/2017 - 9/14/2017

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACBM Present			Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Friable	T	DC	PD		
498-KH-3V	BROWN CAULKING AT DOOR FRAME		YES	NO ACM						
498-KH-3W	BROWN CAULKING AT WINDOW FRAME		YES	NO ACM						
498-KH-3X	BLACK SINK INSULATION		YES	ACM	NO	M	ND	PD	8	$1200
498-KH-3Y	WHITE CAULKING COUNTERTOP		YES	NO ACM						
498-KH-3Z	12" X 12" BEIGE W/BEIGE STRIPES VFT		YES	NO ACM						
498-KH-3AA	YELLOW ADHESIVE BENEATH 12" X 12" BEIGE W/BEIGE STRIPES VFT		YES	NO ACM						

*** Refers to Material Type and Damage Conditions**

T = Material Type:	DC = Damage Condition:	PD = Potential Damage Condition:
S = Surfacing	ND = No Damage	NPD = No Potential Damage
M = Miscellaneous	D = Damaged	PD = ACBM w/ Potential Damage
T = Thermal Systems	SD = Significant Damage	PSD = Potential Significant Damage

**** Recommended Response Actions:**

1. Isolate area and restrict access. Remove or repair ASAP.
2. Continue Operations and Maintenance (O&M) program. Remove or repair ASAP or reduce potential for disturbance.

3-5. Repair, continue O&M. Lower number indicates higher priority if all repair cannot be done immediately.

6-7. Continue O&M. Take preventive measures to reduce disturbance. Number indicates priority for removal.

8. Continue O&M until major renovation or demolition requires removal under NESHAPS, or until hazard assessment factors change.

Note: An O&M program may include enclosure and encapsulation.

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Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name

KH | Ka'ahumanu Hale

For the ACM - Space Identified as:

498-KH-3

Building Location

777 Punchbowl Street
Honolulu, HI 96813

EMET ID

1511498

Inspection Date(s): 8/30/2017 - 9/14/2017

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACBM Present			Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Friable	T	DC	PD		
498-KH-3BB	BEIGE SINK INSULATION		YES	NO ACM						
498-KH-3CC	LIGHT GRAY SINK INSULATION		YES	NO ACM						
498-KH-3DD	TAN W/BEIGE SPECKS SHEET VINYL FLOORING		YES	ACM	YES	M	ND	PSD	6	$11000
498-KH-3EE	YELLOW MASTIC BENEATH TAN W/BEIGE SPECKS SHEET VINYL FLOORING		YES	ACM	NO	M	ND	PD	8	$11000
498-KH-3FF	GRAY CEMENTITIOUS CEILING MATERIAL		YES	NO ACM						
498-KH-3GG	1" BLACK THRESHOLD		YES	NO ACM						

*** Refers to Material Type and Damage Conditions**

T = Material Type:	DC = Damage Condition:	PD = Potential Damage Condition:
S = Surfacing	ND = No Damage	NPD = No Potential Damage
M = Miscellaneous	D = Damaged	PD = ACBM w/ Potential Damage
T = Thermal Systems	SD = Significant Damage	PSD = Potential Significant Damage

**** Recommended Response Actions:**

1. Isolate area and restrict access. Remove or repair ASAP.
2. Continue Operations and Maintenance (O&M) program. Remove or repair ASAP or reduce potential for disturbance.

3-5. Repair, continue O&M. Lower number indicates higher priority if all repair cannot be done immediately.

6-7. Continue O&M. Take preventive measures to reduce disturbance. Number indicates priority for removal.

8. Continue O&M until major renovation or demolition requires removal under NESHAPS, or until hazard assessment factors change.

Note: An O&M program may include enclosure and encapsulation.

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Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name

KH | Ka'ahumanu Hale

For the ACM - Space Identified as:

498-KH-3

Building Location

777 Punchbowl Street
Honolulu, HI 96813

EMET ID

1511498

Inspection Date(s): 8/30/2017 - 9/14/2017

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACBM Present			Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Friable	T	DC	PD		
498-KH-3HH	YELLOW ADHESIVE BENEATH 1" BLACK THRESHOLD		YES	NO ACM						
498-KH-3II	WHITE SKIM COAT		YES	NO ACM						
498-KH-3JJ	WHITE PLASTER CEILING		YES	NO ACM						
498-KH-3KK	GRAY PLASTIC FLEX DUCT W/YELLOW INSULATION		NO							
498-KH-3LL	WATERPROOFING MATERIAL	inaccessible w/o causing significant damage, ASSUMED ACM	YES	ASSUMED		M	ND	NPD	8	$26000

*** Refers to Material Type and Damage Conditions**

T = Material Type:	DC = Damage Condition:	PD = Potential Damage Condition:
S = Surfacing	ND = No Damage	NPD = No Potential Damage
M = Miscellaneous	D = Damaged	PD = ACBM w/ Potential Damage
T = Thermal Systems	SD = Significant Damage	PSD = Potential Significant Damage

**** Recommended Response Actions:**

1. Isolate area and restrict access. Remove or repair ASAP.
2. Continue Operations and Maintenance (O&M) program. Remove or repair ASAP or reduce potential for disturbance.

3-5. Repair, continue O&M. Lower number indicates higher priority if all repair cannot be done immediately.

6-7. Continue O&M. Take preventive measures to reduce disturbance. Number indicates priority for removal.

8. Continue O&M until major renovation or demolition requires removal under NESHAPS, or until hazard assessment factors change.

Note: An O&M program may include enclosure and encapsulation.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/5/2017

Material ID and Description		Document Number	Unified Sample Area Number
498-KH-3A	4" BROWN COVEBASE		498-KH-3A

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

4" BROWN COVEBASE

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

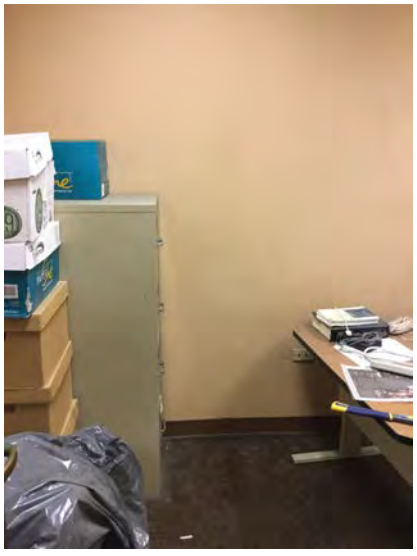
Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-3A1, 498-KH-3A2, 498-KH-3A3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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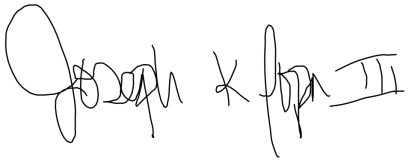
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-3A	4" BROWN COVEBASE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-3A1	0	4" BROWN COVEBASE	See Sketch 498-KH-3
498-KH-3A2	0	4" BROWN COVEBASE	See Sketch 498-KH-3
498-KH-3A3	0	4" BROWN COVEBASE	See Sketch 498-KH-3

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/5/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-3A Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-286	498-KH-3A1	brown	Yes	No	-	-	misc. part.	
					-	-	100	
498-287	498-KH-3A2	brown	Yes	No	-	-	misc. part.	
					-	-	100	
498-288	498-KH-3A3	brown	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/5/2017

Material ID and Description		Document Number	Unified Sample Area Number
498-KH-3B	BROWN ADHESIVE BENEATH 4" BROWN COVEBASE		498-KH-3B

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BROWN ADHESIVE BENEATH 4" BROWN COVEBASE

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

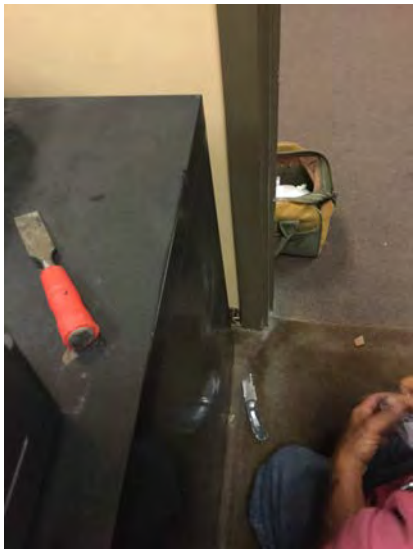
Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-3B1, 498-KH-3B2, 498-KH-3B3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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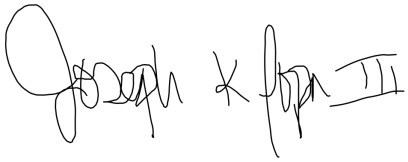
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-3B	BROWN ADHESIVE BENEATH 4" BROWN COVEBASE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-3B1	0	BROWN ADHESIVE BENEATH 4" BROWN COVEBASE	See Sketch 498-KH-3
498-KH-3B2	0	BROWN ADHESIVE BENEATH 4" BROWN COVEBASE	See Sketch 498-KH-3
498-KH-3B3	0	BROWN ADHESIVE BENEATH 4" BROWN COVEBASE	See Sketch 498-KH-3

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/5/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-3B Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-289	498-KH-3B1	brown	Yes	No	-	-	misc. part.	
					-	-	100	
498-290	498-KH-3B2	brown	Yes	No	-	-	misc. part.	
					-	-	100	
498-291	498-KH-3B3	brown	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/5/2017
	Material ID and Description		
Document Number	498-KH-3C	4" BLACK COVEBASE	Unified Sample Area Number
	Drawing/Sketch Number		
			498-KH-3C

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

4" BLACK COVEBASE

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

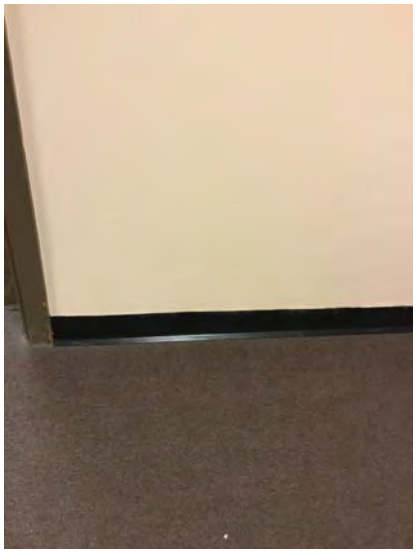
RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -
Visible	**Reachable**	**Texture**
- -	- -	- -
Barriers	**Ventilation**	**If Yes** / **Friable Surface**
- -	- -	- - / - -
Air Movement	**Proximity to Repair Items**	**Activity**
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-3C1, 498-KH-3C2, 498-KH-3C3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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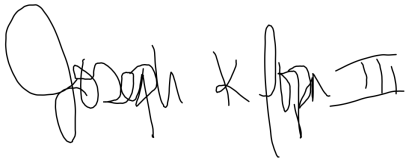
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-3C	4" BLACK COVEBASE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-3C1	0	4" BLACK COVEBASE	See Sketch 498-KH-3
498-KH-3C2	0	4" BLACK COVEBASE	See Sketch 498-KH-3
498-KH-3C3	0	4" BLACK COVEBASE	See Sketch 498-KH-3

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/5/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-3C Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-292	498-KH-3C1	black	Yes	No	-	-	misc. part.	
					-	-	100	
498-293	498-KH-3C2	black	Yes	No	-	-	misc. part.	
					-	-	100	
498-294	498-KH-3C3	black	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/5/2017

Material ID and Description		Unified Sample Area Number
498-KH-3D	BEIGE ADHESIVE BENEATH 4" BLACK COVEBASE	498-KH-3D

Document Number	Drawing/Sketch Number	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BEIGE ADHESIVE BENEATH 4" BLACK COVEBASE

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

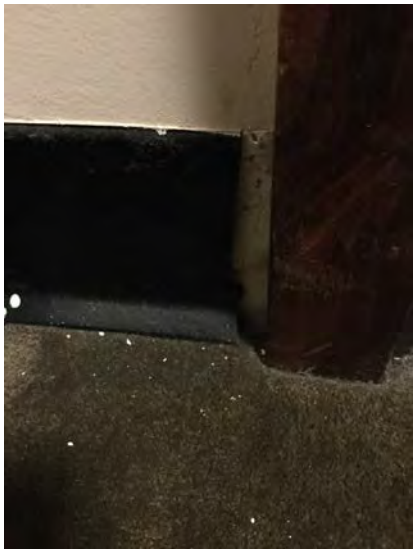
Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-3D1, 498-KH-3D2, 498-KH-3D3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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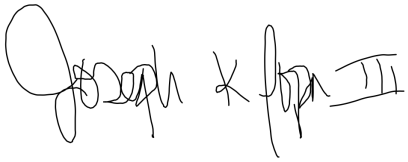
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-3D	BEIGE ADHESIVE BENEATH 4" BLACK COVEBASE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-3D1	0	BEIGE ADHESIVE BENEATH 4" BLACK COVEBASE	See Sketch 498-KH-3
498-KH-3D2	0	BEIGE ADHESIVE BENEATH 4" BLACK COVEBASE	See Sketch 498-KH-3
498-KH-3D3	0	BEIGE ADHESIVE BENEATH 4" BLACK COVEBASE	See Sketch 498-KH-3

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/5/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-3D Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-295	498-KH-3D1	beige	Yes	No	-	-	misc. part.	
					-	-	100	
498-296	498-KH-3D2	beige	Yes	No	-	-	misc. part.	
					-	-	100	
498-297	498-KH-3D3	beige	Yes	No	-	-	misc. part.	
					-	-	100	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/5/2017

Material ID and Description		Unified Sample Area Number
498-KH-3E	4" DARK BROWN COVEBASE	498-KH-3E

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

4" DARK BROWN COVEBASE

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

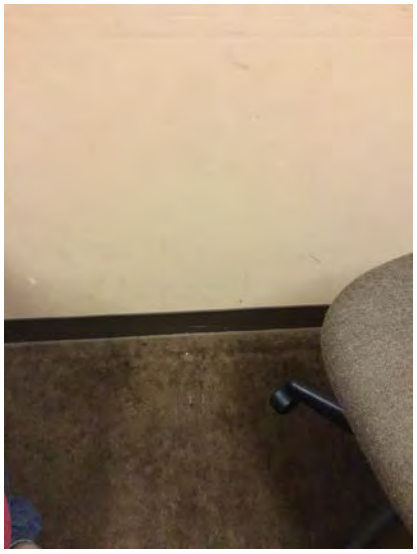
Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-3E1, 498-KH-3E2, 498-KH-3E3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-3E	4" DARK BROWN COVEBASE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-3E1	0	4" DARK BROWN COVEBASE	See Sketch 498-KH-3
498-KH-3E2	0	4" DARK BROWN COVEBASE	See Sketch 498-KH-3
498-KH-3E3	0	4" DARK BROWN COVEBASE	See Sketch 498-KH-3

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/5/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-3E Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-298	498-KH-3E1	dk brown	Yes	No	-	-	misc. part.	
					-	-	100	
498-299	498-KH-3E2	dk brown	Yes	No	-	-	misc. part.	
					-	-	100	
498-300	498-KH-3E3	dk brown	Yes	No	-	-	misc. part.	
					-	-	100	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/5/2017

Material ID and Description		Unified Sample Area Number
498-KH-3F	BEIGE ADHESIVE BENEATH DARK BROWN COVEBASE	498-KH-3F

Document Number	Drawing/Sketch Number	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BEIGE ADHESIVE BENEATH DARK BROWN COVEBASE

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-3F1, 498-KH-3F2, 498-KH-3F3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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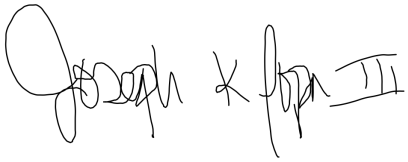
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-3F	BEIGE ADHESIVE BENEATH DARK BROWN COVEBASE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-3F1	0	BEIGE ADHESIVE BENEATH DARK BROWN COVEBASE	See Sketch 498-KH-3
498-KH-3F2	0	BEIGE ADHESIVE BENEATH DARK BROWN COVEBASE	See Sketch 498-KH-3
498-KH-3F3	0	BEIGE ADHESIVE BENEATH DARK BROWN COVEBASE	See Sketch 498-KH-3

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/5/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-3F Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-301	498-KH-3F1	beige	Yes	No	-	-	misc. part.	
					-	-	100	
498-302	498-KH-3F2	beige	Yes	No	-	-	misc. part.	
					-	-	100	
498-303	498-KH-3F3	beige	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/5/2017

Material ID and Description		Unified Sample Area Number
498-KH-3G	WHITE GYPSUM WALLBOARD/MUDJOINT WALL AND CEILING SYSTEM	498-KH-3G

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

WHITE GYPSUM WALLBOARD/MUDJOINT WALL AND CEILING SYSTEM

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

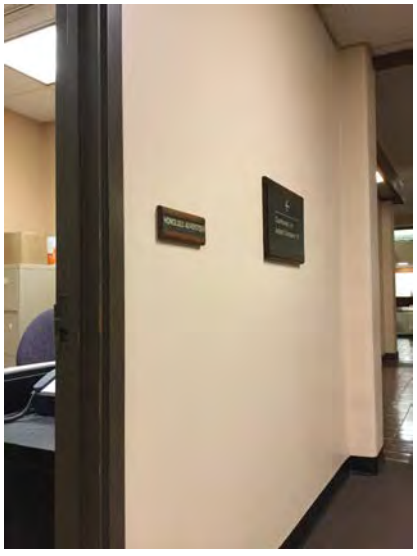
Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-3G1, 498-KH-3G2, 498-KH-3G3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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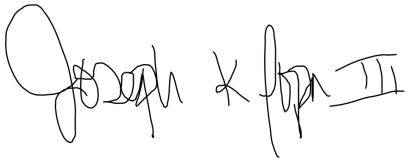
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-3G	WHITE GYPSUM WALLBOARD/MUDJOINT WALL AND CEILING SYSTEM

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-3G1	0	WHITE GYPSUM WALLBOARD/MUDJOINT WALL AND CEILING SYSTEM	See Sketch 498-KH-3
498-KH-3G2	0	WHITE GYPSUM WALLBOARD/MUDJOINT WALL AND CEILING SYSTEM	See Sketch 498-KH-3
498-KH-3G3	0	WHITE GYPSUM WALLBOARD/MUDJOINT WALL AND CEILING SYSTEM	See Sketch 498-KH-3

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/5/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-3G Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-304	498-KH-3G1	white	Yes	No	-	cellulose	misc. part.	
					-	10	90	
498-305	498-KH-3G2	white	Yes	No	-	cellulose	misc. part.	
					-	9	91	
498-306	498-KH-3G3	white	Yes	No	-	cellulose	misc. part.	
					-	10	90	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/5/2017

Material ID and Description		Unified Sample Area Number
498-KH-3H	2' X 4' WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE	498-KH-3H

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

2' X 4' WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-3H1, 498-KH-3H2, 498-KH-3H3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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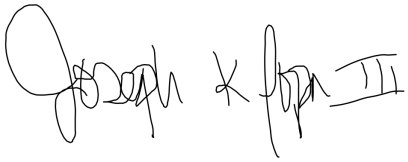
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-3H	2' X 4' WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-3H1	0	2' X 4' WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE	See Sketch 498-KH-3
498-KH-3H2	0	2' X 4' WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE	See Sketch 498-KH-3
498-KH-3H3	0	2' X 4' WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE	See Sketch 498-KH-3

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/5/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-3H Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-307	498-KH-3H1	white	Yes	No	-	cellulose, mineral	misc. part.	
					-	60	40	
498-308	498-KH-3H2	white	Yes	No	-	cellulose, mineral	misc. part.	
					-	60	40	
498-309	498-KH-3H3	white	Yes	No	-	cellulose, mineral	misc. part.	
					-	60	40	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/5/2017
Material ID and Description			
Document Number	498-KH-3I	2' X 2' WHITE ACOUSTICAL CEILING TILE	Unified Sample Area Number
Drawing/Sketch Number			
			498-KH-3I

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

2' X 2' WHITE ACOUSTICAL CEILING TILE

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

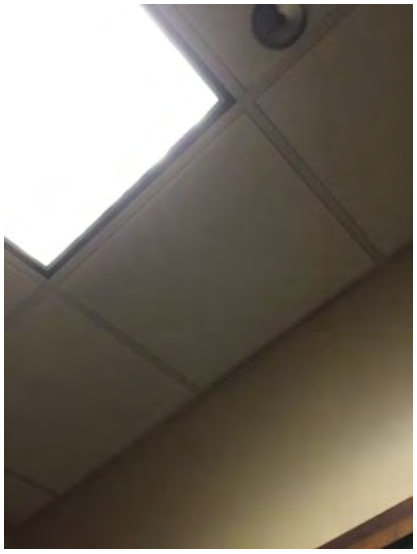
RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -
Visible	**Reachable**	**Texture**
- -	- -	- -
Barriers	**Ventilation** / **If Yes**	**Friable Surface**
- -	- - / - -	- - / - -
Air Movement	**Proximity to Repair Items**	**Activity**
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-3I1, 498-KH-3I2, 498-KH-3I3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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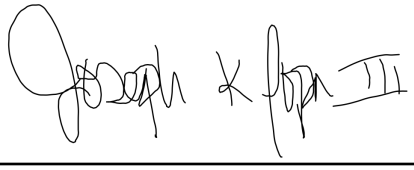
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-3I	2' X 2' WHITE ACOUSTICAL CEILING TILE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-3I1	0	2' X 2' WHITE ACOUSTICAL CEILING TILE	See Sketch 498-KH-3
498-KH-3I2	0	2' X 2' WHITE ACOUSTICAL CEILING TILE	See Sketch 498-KH-3
498-KH-3I3	0	2' X 2' WHITE ACOUSTICAL CEILING TILE	See Sketch 498-KH-3

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/5/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-3I Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-310	498-KH-3I1	white	Yes	No	-	cellulose, mineral	misc. part.	
					-	60	40	
498-311	498-KH-3I2	white	Yes	No	-	cellulose, mineral	misc. part.	
					-	60	40	
498-312	498-KH-3I3	white	Yes	No	-	cellulose, mineral	misc. part.	
					-	60	40	

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Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/5/2017

Material ID and Description		Unified Sample Area Number
498-KH-3J	BROWN DUCT MASTIC	498-KH-3J

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BROWN DUCT MASTIC

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-3J1, 498-KH-3J2, 498-KH-3J3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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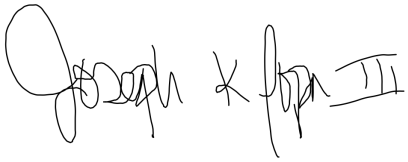
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-3J	BROWN DUCT MASTIC

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-3J1	0	BROWN DUCT MASTIC	See Sketch 498-KH-3
498-KH-3J2	0	BROWN DUCT MASTIC	See Sketch 498-KH-3
498-KH-3J3	0	BROWN DUCT MASTIC	See Sketch 498-KH-3

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/5/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-3J Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-313	498-KH-3J1	brown	Yes	No	-	-	misc. part.	
					-	-	100	
498-314	498-KH-3J2	brown	Yes	No	-	-	misc. part.	
					-	-	100	
498-315	498-KH-3J3	brown	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/5/2017

Material ID and Description		Unified Sample Area Number
498-KH-3K	WHITE CAULKING AT PLUMBING FIXTURE	498-KH-3K

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

WHITE CAULKING AT PLUMBING FIXTURE

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

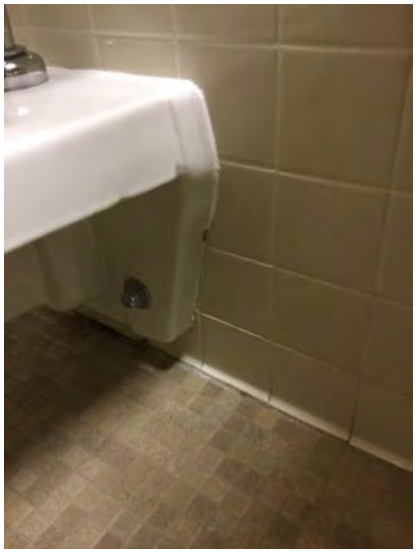
Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-3K1, 498-KH-3K2, 498-KH-3K3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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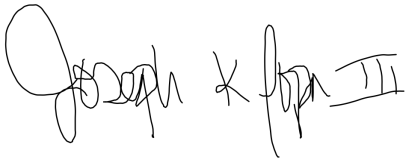
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-3K	WHITE CAULKING AT PLUMBING FIXTURE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-3K1	0	WHITE CAULKING AT PLUMBING FIXTURE	See Sketch 498-KH-3
498-KH-3K2	0	WHITE CAULKING AT PLUMBING FIXTURE	See Sketch 498-KH-3
498-KH-3K3	0	WHITE CAULKING AT PLUMBING FIXTURE	See Sketch 498-KH-3

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/5/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-3K Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-316	498-KH-3K1	white	Yes	No	-	-	misc. part.	
					-	-	100	
498-317	498-KH-3K2	white	Yes	No	-	-	misc. part.	
					-	-	100	
498-318	498-KH-3K3	white	Yes	No	-	-	misc. part.	
					-	-	100	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/5/2017

Material ID and Description		Unified Sample Area Number
498-KH-3L	WHITE CAULKING AT DOOR FRAME	498-KH-3L

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

WHITE CAULKING AT DOOR FRAME

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-3L1, 498-KH-3L2, 498-KH-3L3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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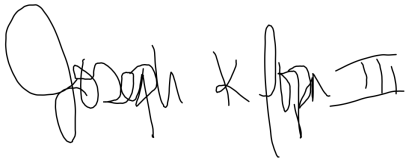
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-3L	WHITE CAULKING AT DOOR FRAME

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-3L1	0	WHITE CAULKING AT DOOR FRAME	See Sketch 498-KH-3
498-KH-3L2	0	WHITE CAULKING AT DOOR FRAME	See Sketch 498-KH-3
498-KH-3L3	0	WHITE CAULKING AT DOOR FRAME	See Sketch 498-KH-3

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/5/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-3L Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-319	498-KH-3L1	white	Yes	No	-	-	misc. part.	
					-	-	100	
498-320	498-KH-3L2	white	Yes	No	-	-	misc. part.	
					-	-	100	
498-321	498-KH-3L3	white	Yes	No	-	-	misc. part.	
					-	-	100	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/5/2017
	Material ID and Description		
Document Number	498-KH-3M	BLACK VIBRATION CLOTH	Unified Sample Area Number
	Drawing/Sketch Number		
			498-KH-3M

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BLACK VIBRATION CLOTH

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -
Visible	**Reachable**	**Texture**
- -	- -	- -
Barriers	**Ventilation** / **If Yes**	**Friable Surface**
- -	- - / - -	- - / - -
Air Movement	**Proximity to Repair Items**	**Activity**
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-3M1, 498-KH-3M2, 498-KH-3M3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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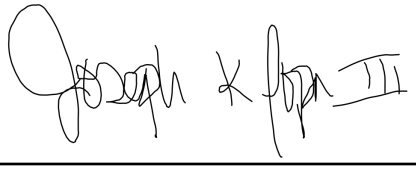
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-3M	BLACK VIBRATION CLOTH

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-3M1	0	BLACK VIBRATION CLOTH	See Sketch 498-KH-3
498-KH-3M2	0	BLACK VIBRATION CLOTH	See Sketch 498-KH-3
498-KH-3M3	0	BLACK VIBRATION CLOTH	See Sketch 498-KH-3

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/5/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

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Address: 1150 South King Street, 8th Floor
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Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-3M Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-322	498-KH-3M1	black	Yes	No	-	synthetic	misc. part.	
					-	20	80	
498-323	498-KH-3M2	black	Yes	No	-	synthetic	misc. part.	
					-	20	80	
498-324	498-KH-3M3	black	Yes	No	-	synthetic	misc. part.	
					-	20	80	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/5/2017

Material ID and Description		Unified Sample Area Number
498-KH-3N(L1)	6" O. D. WHITE WRAP W/YELLOW INSULATION TSI	498-KH-3N(L1)

Document Number	Drawing/Sketch Number	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

6" O. D. WHITE WRAP W/YELLOW INSULATION TSI

wrap layer

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-3N(L1)1, 498-KH-3N(L1)2, 498-KH-3N(L1)3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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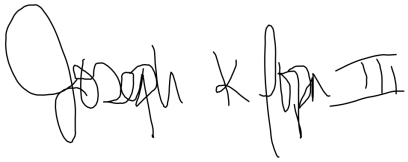
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-3N(L1)	6" O. D. WHITE WRAP W/YELLOW INSULATION TSI

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-3N(L1)1	0	6" O. D. WHITE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-3
498-KH-3N(L1)2	0	6" O. D. WHITE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-3
498-KH-3N(L1)3	0	6" O. D. WHITE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-3

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/5/2017

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LABORATORY REPORT

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Address: 1150 South King Street, 8th Floor
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Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-3N(L1) Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-325	498-KH-3N(L1)1	white	Yes	No	-	cellulose	misc. part.	
					-	30	70	
498-326	498-KH-3N(L1)2	white	Yes	No	-	cellulose	misc. part.	
					-	30	70	
498-327	498-KH-3N(L1)3	white	Yes	No	-	cellulose	misc. part.	
					-	30	70	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/5/2017

Material ID and Description		Unified Sample Area Number
498-KH-3N(L2)	6" O. D. WHITE WRAP W/YELLOW INSULATION TSI	498-KH-3N(L2)

Document Number	Drawing/Sketch Number	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

6" O. D. WHITE WRAP W/YELLOW INSULATION TSI

insulation layer

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-3N(L2)1, 498-KH-3N(L2)2, 498-KH-3N(L2)3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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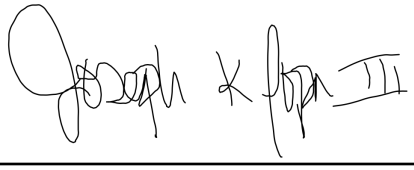
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-3N(L2)	6" O. D. WHITE WRAP W/YELLOW INSULATION TSI

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-3N(L2)1	0	6" O. D. WHITE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-3
498-KH-3N(L2)2	0	6" O. D. WHITE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-3
498-KH-3N(L2)3	0	6" O. D. WHITE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-3

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/5/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-3N(L2) Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-328	498-KH-3N(L2)1	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	
498-329	498-KH-3N(L2)2	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	
498-330	498-KH-3N(L2)3	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/5/2017

Material ID and Description		Unified Sample Area Number
498-KH-3O(L1)	8" O. D. WHITE WRAP W/YELLOW INSULATION TSI	498-KH-3O(L1)

Document Number	Drawing/Sketch Number	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

8" O. D. WHITE WRAP W/YELLOW INSULATION TSI

wrap layer

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-3O(L1)1, 498-KH-3O(L1)2, 498-KH-3O(L1)3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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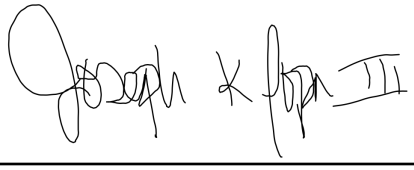
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-3O(L1)	8" O. D. WHITE WRAP W/YELLOW INSULATION TSI

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-3O(L1)1	0	8" O. D. WHITE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-3
498-KH-3O(L1)2	0	8" O. D. WHITE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-3
498-KH-3O(L1)3	0	8" O. D. WHITE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-3

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/5/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-3O(L1) Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-331	498-KH-3O(L1)1	white	Yes	No	-	cellulose	misc. part.	
					-	30	70	
498-332	498-KH-3O(L1)2	white	Yes	No	-	cellulose	misc. part.	
					-	30	70	
498-333	498-KH-3O(L1)3	white	Yes	No	-	cellulose	misc. part.	
					-	30	70	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/5/2017

Material ID and Description		Unified Sample Area Number
498-KH-3O(L2)	8" O. D. WHITE WRAP W/YELLOW INSULATION TSI	498-KH-3O(L2)

Document Number	Drawing/Sketch Number	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

8" O. D. WHITE WRAP W/YELLOW INSULATION TSI

insulation layer

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-3O(L2)1, 498-KH-3O(L2)2, 498-KH -3O(L2)3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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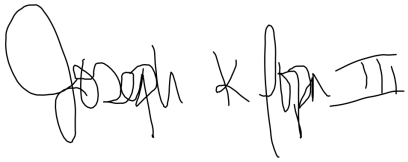
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-3O(L2)	8" O. D. WHITE WRAP W/YELLOW INSULATION TSI

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-3O(L2)1	0	8" O. D. WHITE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-3
498-KH-3O(L2)2	0	8" O. D. WHITE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-3
498-KH-3O(L2)3	0	8" O. D. WHITE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-3

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/5/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-3O(L2) Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-334	498-KH-3O(L2)1	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	
498-335	498-KH-3O(L2)2	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	
498-336	498-KH-3O(L2)3	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/5/2017

Material ID and Description		Unified Sample Area Number
498-KH-3P(L1)	10" O. D. WHITE WRAP W/YELLOW INSULATION TSI	498-KH-3P(L1)

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

10" O. D. WHITE WRAP W/YELLOW INSULATION TSI

wrap layer

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-3P(L1)1, 498-KH-3P(L1)2, 498-KH-3P(L1)3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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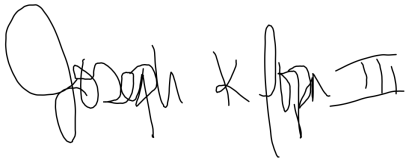
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-3P(L1)	10" O. D. WHITE WRAP W/YELLOW INSULATION TSI

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-3P(L1)1	0	10" O. D. WHITE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-3
498-KH-3P(L1)2	0	10" O. D. WHITE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-3
498-KH-3P(L1)3	0	10" O. D. WHITE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-3

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/5/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-3P(L1) Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-337	498-KH-3P(L1)1	white	Yes	No	-	cellulose, synthetic	misc. part.	
					-	30	70	
498-338	498-KH-3P(L1)2	white	Yes	No	-	cellulose, synthetic	misc. part.	
					-	30	70	
498-339	498-KH-3P(L1)3	white	Yes	No	-	cellulose, synthetic	misc. part.	
					-	30	70	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/5/2017

Material ID and Description		Unified Sample Area Number
498-KH-3P(L2)	10" O. D. WHITE WRAP W/YELLOW INSULATION TSI	498-KH-3P(L2)

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

10" O. D. WHITE WRAP W/YELLOW INSULATION TSI

insulation layer

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-3P(L2)1, 498-KH-3P(L2)2, 498-KH-3P(L2)3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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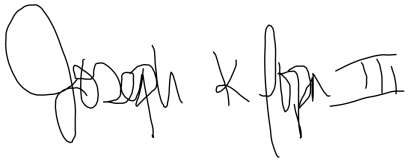
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-3P(L2)	10" O. D. WHITE WRAP W/YELLOW INSULATION TSI

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-3P(L2)1	0	10" O. D. WHITE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-3
498-KH-3P(L2)2	0	10" O. D. WHITE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-3
498-KH-3P(L2)3	0	10" O. D. WHITE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-3

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/5/2017

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Phone (808) 671-8383 Fax (808) 671-7979

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-3P(L2) Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-340	498-KH-3P(L2)1	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	
498-341	498-KH-3P(L2)2	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	
498-342	498-KH-3P(L2)3	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/5/2017

Material ID and Description		Unified Sample Area Number
498-KH-3Q	WHITE CAULKING AT AHU SEAMS	498-KH-3Q

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

WHITE CAULKING AT AHU SEAMS

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-3Q1, 498-KH-3Q2, 498-KH-3Q3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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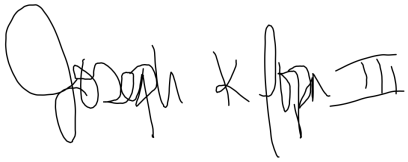
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-3Q	WHITE CAULKING AT AHU SEAMS

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-3Q1	0	WHITE CAULKING AT AHU SEAMS	See Sketch 498-KH-3
498-KH-3Q2	0	WHITE CAULKING AT AHU SEAMS	See Sketch 498-KH-3
498-KH-3Q3	0	WHITE CAULKING AT AHU SEAMS	See Sketch 498-KH-3

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/5/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-3Q Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-343	498-KH-3Q1	white	Yes	No	-	-	misc. part.	
					-	-	100	
498-344	498-KH-3Q2	white	Yes	No	-	-	misc. part.	
					-	-	100	
498-345	498-KH-3Q3	white	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/5/2017

Material ID and Description		Unified Sample Area Number
498-KH-3R	BLACK CAULKING AT AHU SEAMS	498-KH-3R

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BLACK CAULKING AT AHU SEAMS

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-3R1, 498-KH-3R2, 498-KH-3R3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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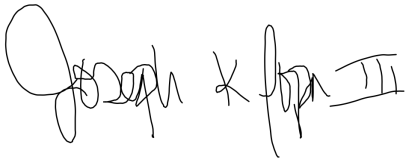
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-3R	BLACK CAULKING AT AHU SEAMS

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-3R1	0	BLACK CAULKING AT AHU SEAMS	See Sketch 498-KH-3
498-KH-3R2	0	BLACK CAULKING AT AHU SEAMS	See Sketch 498-KH-3
498-KH-3R3	0	BLACK CAULKING AT AHU SEAMS	See Sketch 498-KH-3

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/5/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-3R Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-346	498-KH-3R1	black	Yes	No	-	fibrous glass	misc. part.	
					-	3	97	
498-347	498-KH-3R2	black	Yes	No	-	fibrous glass	misc. part.	
					-	3	97	
498-348	498-KH-3R3	black	Yes	No	-	fibrous glass	misc. part.	
					-	3	97	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/5/2017

Material ID and Description		Unified Sample Area Number
498-KH-3S	12" X 12" PINK W/GRAY STREAKS VFT	498-KH-3S

Document Number	Drawing/Sketch Number	
	498-KH-3	498-KH-3

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

12" X 12" PINK W/GRAY STREAKS VFT

Location of Confirmed, Assumed, or New ACM within Building

See Sketch 498-KH-3

Multi-use Room, Staff Rooms, Storage Rooms, Telephone Rooms, and corridor in front of the Mech. Rooms

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface	1600		
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:	±1600		

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
None	Significant	None

Visible	Reachable	Texture
More than 10%	Within reach	smooth

Barriers	Ventilation	If Yes	Friable Surface	
None	Yes	Both	No	Category I

Air Movement	Proximity to Repair Items	Activity
Low	Less than 1 ft.	High

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-3S1, 498-KH-3S2, 498-KH-3S3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**YES**
Number of Salient Designations:	

PHOTOGRAPH



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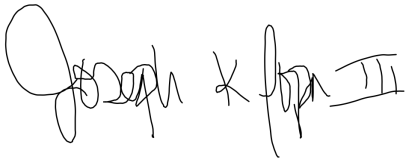
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-3S	12" X 12" PINK W/GRAY STREAKS VFT

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-3S1	2	12" X 12" PINK W/GRAY STREAKS VFT	See Sketch 498-KH-3
498-KH-3S2	2	12" X 12" PINK W/GRAY STREAKS VFT	See Sketch 498-KH-3
498-KH-3S3	2	12" X 12" PINK W/GRAY STREAKS VFT	See Sketch 498-KH-3

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/5/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-3S Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-349	498-KH-3S1	pink w/ gray streaks	Yes	Yes	chrysotile 2	- -	misc. part. 98	
498-350	498-KH-3S2	pink w/ gray streaks	Yes	Yes	chrysotile 2	- -	misc. part. 98	
498-351	498-KH-3S3	pink w/ gray streaks	Yes	Yes	chrysotile 2	- -	misc. part. 98	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/5/2017

Material ID and Description		Unified Sample Area Number
498-KH-3T	BLACK MASTIC BENEATH 12" X 12" PINK W/GRAY STREAKS VFT	498-KH-3T

Document Number	Drawing/Sketch Number	
	498-KH-3	498-KH-3

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BLACK MASTIC BENEATH 12" X 12" PINK W/GRAY STREAKS VFT

Location of Confirmed, Assumed, or New ACM within Building

See Sketch 498-KH-3

Multi-use Room, Staff Rooms, Storage Rooms, Telephone Rooms, and corridor in front of the Mech. Rooms

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface	1600		
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:	±1600		

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
None	Moderate	None

Visible	Reachable	Texture
None visible	Within reach	smooth

Barriers	Ventilation	If Yes	Friable Surface	
Enclosed	Yes	Both	No	Category I

Air Movement	Proximity to Repair Items	Activity
Low	Less than 1 ft.	High

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-3T1, 498-KH-3T2, 498-KH-3T3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**YES**
Number of Salient Designations:	

PHOTOGRAPH



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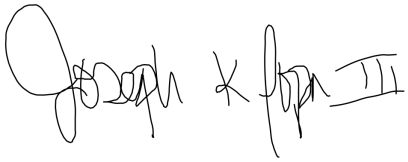
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-3T	BLACK MASTIC BENEATH 12" X 12" PINK W/GRAY STREAKS VFT

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-3T1	2	BLACK MASTIC BENEATH 12" X 12" PINK W/GRAY STREAKS VFT	See Sketch 498-KH-3
498-KH-3T2	2	BLACK MASTIC BENEATH 12" X 12" PINK W/GRAY STREAKS VFT	See Sketch 498-KH-3
498-KH-3T3	2	BLACK MASTIC BENEATH 12" X 12" PINK W/GRAY STREAKS VFT	See Sketch 498-KH-3

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/5/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-3T Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-352	498-KH-3T1	black	Yes	Yes	chrysotile	-	misc. part.	
					2	-	98	
498-353	498-KH-3T2	black	Yes	Yes	chrysotile	-	misc. part.	
					2	-	98	
498-354	498-KH-3T3	black	Yes	Yes	chrysotile	-	misc. part.	
					2	-	98	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/5/2017

Material ID and Description		Unified Sample Area Number
498-KH-3U	GREEN CARPET ADHESIVE	498-KH-3U

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

GREEN CARPET ADHESIVE

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-3U1, 498-KH-3U2, 498-KH-3U3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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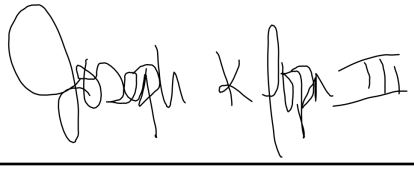
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-3U	GREEN CARPET ADHESIVE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-3U1	0	GREEN CARPET ADHESIVE	See Sketch 498-KH-3
498-KH-3U2	0	GREEN CARPET ADHESIVE	See Sketch 498-KH-3
498-KH-3U3	0	GREEN CARPET ADHESIVE	See Sketch 498-KH-3

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/5/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-3U Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-355	498-KH-3U1	green	Yes	No	-	-	misc. part.	
					-	-	100	
498-356	498-KH-3U2	green	Yes	No	-	-	misc. part.	
					-	-	100	
498-357	498-KH-3U3	green	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/5/2017

Material ID and Description		Unified Sample Area Number
498-KH-3V	BROWN CAULKING AT DOOR FRAME	498-KH-3V

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BROWN CAULKING AT DOOR FRAME

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-3V1, 498-KH-3V2, 498-KH-3V3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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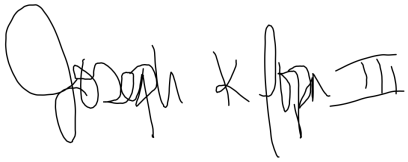
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-3V	BROWN CAULKING AT DOOR FRAME

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-3V1	0	BROWN CAULKING AT DOOR FRAME	See Sketch 498-KH-3
498-KH-3V2	0	BROWN CAULKING AT DOOR FRAME	See Sketch 498-KH-3
498-KH-3V3	0	BROWN CAULKING AT DOOR FRAME	See Sketch 498-KH-3

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/5/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-3V Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-358	498-KH-3V1	brown	Yes	No	-	-	misc. part.	
					-	-	100	
498-359	498-KH-3V2	brown	Yes	No	-	-	misc. part.	
					-	-	100	
498-360	498-KH-3V3	brown	Yes	No	-	-	misc. part.	
					-	-	100	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/5/2017

Material ID and Description		Unified Sample Area Number
498-KH-3W	BROWN CAULKING AT WINDOW FRAME	498-KH-3W

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BROWN CAULKING AT WINDOW FRAME

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -
Visible	**Reachable**	**Texture**
- -	- -	- -
Barriers	**Ventilation** / **If Yes**	**Friable Surface**
- -	- - / - -	- - / - -
Air Movement	**Proximity to Repair Items**	**Activity**
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-3W1, 498-KH-3W2, 498-KH-3W3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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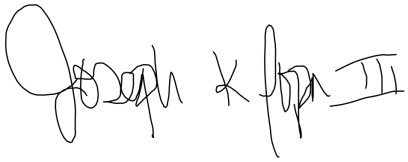
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-3W	BROWN CAULKING AT WINDOW FRAME

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-3W1	0	BROWN CAULKING AT WINDOW FRAME	See Sketch 498-KH-3
498-KH-3W2	0	BROWN CAULKING AT WINDOW FRAME	See Sketch 498-KH-3
498-KH-3W3	0	BROWN CAULKING AT WINDOW FRAME	See Sketch 498-KH-3

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/5/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-3W Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-361	498-KH-3W1	brown	Yes	No	-	-	misc. part.	
					-	-	100	
498-362	498-KH-3W2	brown	Yes	No	-	-	misc. part.	
					-	-	100	
498-363	498-KH-3W3	brown	Yes	No	-	-	misc. part.	
					-	-	100	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/5/2017

Material ID and Description		Unified Sample Area Number
498-KH-3X	BLACK SINK INSULATION	498-KH-3X

Document Number	Drawing/Sketch Number	
	498-KH-3	498-KH-3

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BLACK SINK INSULATION

Location of Confirmed, Assumed, or New ACM within Building

See Sketch 498-KH-3

Staff Rooms

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM	16		
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:	±16		

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
None	Moderate	None

Visible	Reachable	Texture
More than 10%	Within reach	smooth

Barriers	Ventilation	If Yes	Friable Surface	
None	Yes	Both	No	Category I

Air Movement	Proximity to Repair Items	Activity
Low	Less than 1 ft.	High

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-3X1, 498-KH-3X2, 498-KH-3X3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**YES**
Number of Salient Designations:	

PHOTOGRAPH



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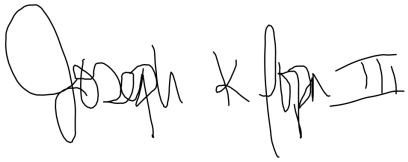
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-3X	BLACK SINK INSULATION

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-3X1	2	BLACK SINK INSULATION	See Sketch 498-KH-3
498-KH-3X2	2	BLACK SINK INSULATION	See Sketch 498-KH-3
498-KH-3X3	2	BLACK SINK INSULATION	See Sketch 498-KH-3

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/5/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
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NVLAP LAB CODE 101807-0

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Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-3X Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-364	498-KH-3X1	black	Yes	Yes	chrysotile 2	cellulose 1	misc. part. 97	
498-365	498-KH-3X2	black	Yes	Yes	chrysotile 2	cellulose 1	misc. part. 97	
498-366	498-KH-3X3	black	Yes	Yes	chrysotile 2	cellulose 1	misc. part. 97	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/5/2017
	Material ID and Description		
Document Number	498-KH-3Y	WHITE CAULKING COUNTERTOP	Unified Sample Area Number
	Drawing/Sketch Number		
			498-KH-3Y

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

WHITE CAULKING COUNTERTOP

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -
Visible	**Reachable**	**Texture**
- -	- -	- -
Barriers	**Ventilation** / **If Yes**	**Friable Surface**
- -	- - / - -	- - / - -
Air Movement	**Proximity to Repair Items**	**Activity**
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-3Y1, 498-KH-3Y2, 498-KH-3Y3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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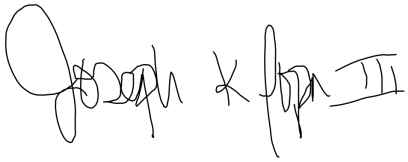
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-3Y	WHITE CAULKING COUNTERTOP

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-3Y1	0	WHITE CAULKING COUNTERTOP	See Sketch 498-KH-3
498-KH-3Y2	0	WHITE CAULKING COUNTERTOP	See Sketch 498-KH-3
498-KH-3Y3	0	WHITE CAULKING COUNTERTOP	See Sketch 498-KH-3

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/5/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
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NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-3Y Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-367	498-KH-3Y1	white	Yes	No	-	-	misc. part.	
					-	-	100	
498-368	498-KH-3Y2	white	Yes	No	-	-	misc. part.	
					-	-	100	
498-369	498-KH-3Y3	white	Yes	No	-	-	misc. part.	
					-	-	100	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/5/2017

Material ID and Description		Unified Sample Area Number
498-KH-3Z	12" X 12" BEIGE W/BEIGE STRIPES VFT	498-KH-3Z

Document Number	Drawing/Sketch Number	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

12" X 12" BEIGE W/BEIGE STRIPES VFT

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

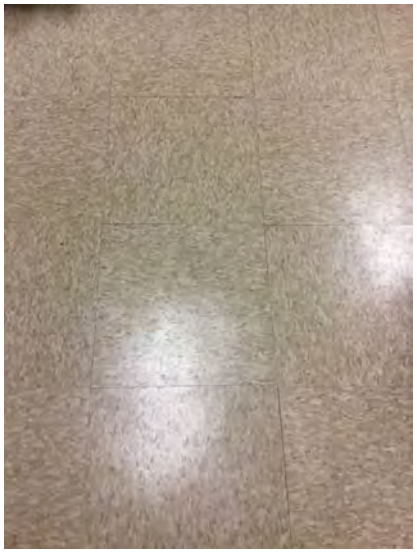
Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-3Z1, 498-KH-3Z2, 498-KH-3Z3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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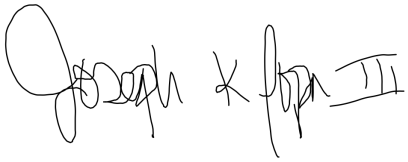
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-3Z	12" X 12" BEIGE W/BEIGE STRIPES VFT

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-3Z1	0	12" X 12" BEIGE W/BEIGE STRIPES VFT	See Sketch 498-KH-3
498-KH-3Z2	0	12" X 12" BEIGE W/BEIGE STRIPES VFT	See Sketch 498-KH-3
498-KH-3Z3	0	12" X 12" BEIGE W/BEIGE STRIPES VFT	See Sketch 498-KH-3

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/5/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-3Z Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-370	498-KH-3Z1	beige w/ beige stripes	Yes	No	-	-	misc. part.	
					-	-	100	
498-371	498-KH-3Z2	beige w/ beige stripes	Yes	No	-	-	misc. part.	
					-	-	100	
498-372	498-KH-3Z3	beige w/ beige stripes	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/5/2017

Material ID and Description		Unified Sample Area Number
498-KH-3AA	YELLOW ADHESIVE BENEATH 12" X 12" BEIGE W/BEIGE STRIPES VFT	498-KH-3AA

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

YELLOW ADHESIVE BENEATH 12" X 12" BEIGE W/BEIGE STRIPES VFT

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-3AA1, 498-KH-3AA2, 498-KH-3AA3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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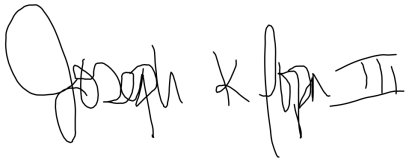
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-3AA	YELLOW ADHESIVE BENEATH 12" X 12" BEIGE W/BEIGE STRIPES VFT

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-3AA1	0	YELLOW ADHESIVE BENEATH 12" X 12" BEIGE W/BEIGE STRIPES VFT	See Sketch 498-KH-3
498-KH-3AA2	0	YELLOW ADHESIVE BENEATH 12" X 12" BEIGE W/BEIGE STRIPES VFT	See Sketch 498-KH-3
498-KH-3AA3	0	YELLOW ADHESIVE BENEATH 12" X 12" BEIGE W/BEIGE STRIPES VFT	See Sketch 498-KH-3

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/5/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-3AA Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-373	498-KH-3AA1	yellow	Yes	No	-	-	misc. part.	
					-	-	100	
498-374	498-KH-3AA2	yellow	Yes	No	-	-	misc. part.	
					-	-	100	
498-375	498-KH-3AA3	yellow	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/5/2017
Material ID and Description			
Document Number	498-KH-3BB	BEIGE SINK INSULATION	Unified Sample Area Number
Drawing/Sketch Number			
			498-KH-3BB

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BEIGE SINK INSULATION

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -
Visible	**Reachable**	**Texture**
- -	- -	- -
Barriers	**Ventilation** / **If Yes**	**Friable Surface**
- -	- - / - -	- - / - -
Air Movement	**Proximity to Repair Items**	**Activity**
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-3BB1, 498-KH-3BB2, 498-KH-3BB3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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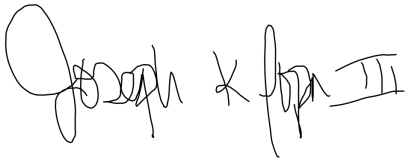
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-3BB	BEIGE SINK INSULATION

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-3BB1	0	BEIGE SINK INSULATION	See Sketch 498-KH-3
498-KH-3BB2	0	BEIGE SINK INSULATION	See Sketch 498-KH-3
498-KH-3BB3	0	BEIGE SINK INSULATION	See Sketch 498-KH-3

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/5/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-3BB Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-376	498-KH-3BB1	beige	Yes	No	-	cellulose	misc. part.	
					-	3	97	
498-377	498-KH-3BB2	beige	Yes	No	-	cellulose	misc. part.	
					-	3	97	
498-378	498-KH-3BB3	beige	Yes	No	-	cellulose	misc. part.	
					-	3	97	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/5/2017

Material ID and Description		Unified Sample Area Number
498-KH-3CC	LIGHT GRAY SINK INSULATION	498-KH-3CC

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

LIGHT GRAY SINK INSULATION

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-3CC1, 498-KH-3CC2, 498-KH-3CC3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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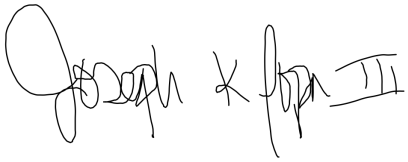
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-3CC	LIGHT GRAY SINK INSULATION

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-3CC1	0	LIGHT GRAY SINK INSULATION	See Sketch 498-KH-3
498-KH-3CC2	0	LIGHT GRAY SINK INSULATION	See Sketch 498-KH-3
498-KH-3CC3	0	LIGHT GRAY SINK INSULATION	See Sketch 498-KH-3

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/5/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-3CC Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-379	498-KH-3CC1	lt gray	Yes	No	-	cellulose	misc. part.	
					-	3	97	
498-380	498-KH-3CC2	lt gray	Yes	No	-	cellulose	misc. part.	
					-	3	97	
498-381	498-KH-3CC3	lt gray	Yes	No	-	cellulose	misc. part.	
					-	3	97	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/5/2017

Material ID and Description		Unified Sample Area Number
498-KH-3DD	TAN W/BEIGE SPECKS SHEET VINYL FLOORING	498-KH-3DD

Document Number	Drawing/Sketch Number	
	498-KH-3	498-KH-3

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

TAN W/BEIGE SPECKS SHEET VINYL FLOORING

Location of Confirmed, Assumed, or New ACM within Building

See Sketch 498-KH-3

bathrooms of Judges' Chambers, Bailiff/Police, and holding cells area

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface	1100		
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:	±1100		

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
None	Significant	None

Visible	Reachable	Texture
More than 10%	Within reach	smooth

Barriers	Ventilation	If Yes	Friable Surface	
None	Yes	Both	Yes	Hard

Air Movement	Proximity to Repair Items	Activity
Low	Less than 1 ft.	High

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-3DD1, 498-KH-3DD2, 498-KH-3DD3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**YES**
Number of Salient Designations:	

PHOTOGRAPH



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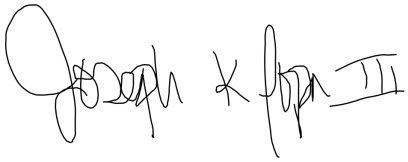
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-3DD	TAN W/BEIGE SPECKS SHEET VINYL FLOORING

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-3DD1	10	TAN W/BEIGE SPECKS SHEET VINYL FLOORING	See Sketch 498-KH-3
498-KH-3DD2	10	TAN W/BEIGE SPECKS SHEET VINYL FLOORING	See Sketch 498-KH-3
498-KH-3DD3	10	TAN W/BEIGE SPECKS SHEET VINYL FLOORING	See Sketch 498-KH-3

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/5/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-3DD Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-382	498-KH-3DD1	tan w/ beige specks	Yes	Yes	chrysotile 10	cellulose 10	misc. part. 80	
498-383	498-KH-3DD2	tan w/ beige specks	Yes	Yes	chrysotile 10	cellulose 10	misc. part. 80	
498-384	498-KH-3DD3	tan w/ beige specks	Yes	Yes	chrysotile 10	cellulose 10	misc. part. 80	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/5/2017

Material ID and Description		Unified Sample Area Number
498-KH-3EE	YELLOW MASTIC BENEATH TAN W/BEIGE SPECKS SHEET VINYL FLOORING	498-KH-3EE

Document Number	Drawing/Sketch Number	
	498-KH-3	498-KH-3

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

YELLOW MASTIC BENEATH TAN W/BEIGE SPECKS SHEET VINYL FLOORING

Location of Confirmed, Assumed, or New ACM within Building

See Sketch 498-KH-3

bathrooms of Judges' Chambers, Bailiff/Police, and holding cells area

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface	1100		
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:	±1100		

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
None	Moderate	None

Visible	Reachable	Texture
None visible	Within reach	smooth

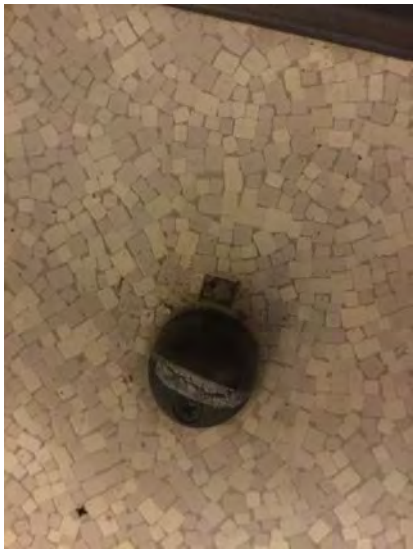
Barriers	Ventilation	If Yes	Friable Surface	
Enclosed	Yes	Both	No	Category I

Air Movement	Proximity to Repair Items	Activity
Low	Less than 1 ft.	High

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-3EE1, 498-KH-3EE2, 498-KH-3EE3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**YES**
Number of Salient Designations:	

PHOTOGRAPH



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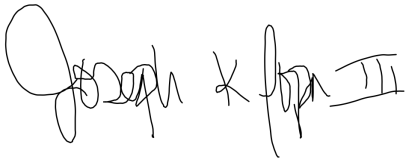
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-3EE	YELLOW MASTIC BENEATH TAN W/BEIGE SPECKS SHEET VINYL FLOORING

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-3EE1	2	YELLOW MASTIC BENEATH TAN W/BEIGE SPECKS SHEET VINYL FLOORING	See Sketch 498-KH-3
498-KH-3EE2	2	YELLOW MASTIC BENEATH TAN W/BEIGE SPECKS SHEET VINYL FLOORING	See Sketch 498-KH-3
498-KH-3EE3	2	YELLOW MASTIC BENEATH TAN W/BEIGE SPECKS SHEET VINYL FLOORING	See Sketch 498-KH-3

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/5/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-3EE Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-385	498-KH-3EE1	yellow	Yes	Yes	chrysotile	-	misc. part.	
					2	-	98	
498-386	498-KH-3EE2	yellow	Yes	Yes	chrysotile	-	misc. part.	
					2	-	98	
498-387	498-KH-3EE3	yellow	Yes	Yes	chrysotile	-	misc. part.	
					2	-	98	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/5/2017

Material ID and Description		Unified Sample Area Number
498-KH-3FF	GRAY CEMENTITIOUS CEILING MATERIAL	498-KH-3FF

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

GRAY CEMENTITIOUS CEILING MATERIAL

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

exterior

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

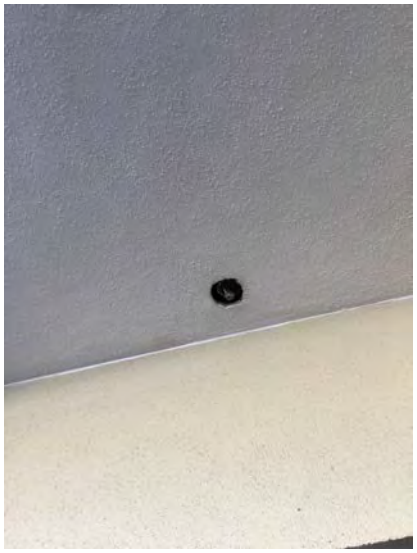
Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-3FF1, 498-KH-3FF2, 498-KH-3FF3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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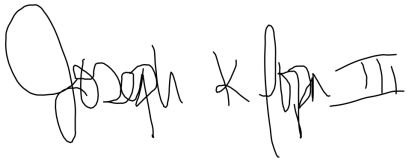
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-3FF	GRAY CEMENTITIOUS CEILING MATERIAL

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-3FF1	0	GRAY CEMENTITIOUS CEILING MATERIAL	See Sketch 498-KH-3
498-KH-3FF2	0	GRAY CEMENTITIOUS CEILING MATERIAL	See Sketch 498-KH-3
498-KH-3FF3	0	GRAY CEMENTITIOUS CEILING MATERIAL	See Sketch 498-KH-3

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/5/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-3FF Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-388	498-KH-3FF1	gray	Yes	No	-	-	misc. part.	
					-	-	100	
498-389	498-KH-3FF2	gray	Yes	No	-	-	misc. part.	
					-	-	100	
498-390	498-KH-3FF3	gray	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/5/2017

Material ID and Description		Unified Sample Area Number
498-KH-3GG	1" BLACK THRESHOLD	498-KH-3GG

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

1" BLACK THRESHOLD

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-3GG1, 498-KH-3GG2, 498-KH -3GG3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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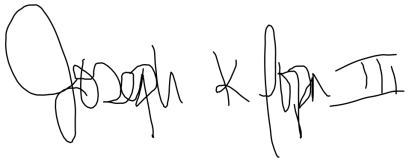
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-3GG	1" BLACK THRESHOLD

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-3GG1	0	1" BLACK THRESHOLD	See Sketch 498-KH-3
498-KH-3GG2	0	1" BLACK THRESHOLD	See Sketch 498-KH-3
498-KH-3GG3	0	1" BLACK THRESHOLD	See Sketch 498-KH-3

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/5/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-3GG Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-391	498-KH-3GG1	black	Yes	No	-	-	misc. part.	
					-	-	100	
498-392	498-KH-3GG2	black	Yes	No	-	-	misc. part.	
					-	-	100	
498-393	498-KH-3GG3	black	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/5/2017

Material ID and Description		Unified Sample Area Number
498-KH-3HH	YELLOW ADHESIVE BENEATH 1" BLACK THRESHOLD	498-KH-3HH

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

YELLOW ADHESIVE BENEATH 1" BLACK THRESHOLD

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-3HH1, 498-KH-3HH2, 498-KH-3HH3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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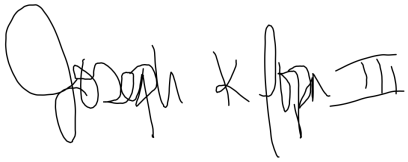
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-3HH	YELLOW ADHESIVE BENEATH 1" BLACK THRESHOLD

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-3HH1	0	YELLOW ADHESIVE BENEATH 1" BLACK THRESHOLD	See Sketch 498-KH-3
498-KH-3HH2	0	YELLOW ADHESIVE BENEATH 1" BLACK THRESHOLD	See Sketch 498-KH-3
498-KH-3HH3	0	YELLOW ADHESIVE BENEATH 1" BLACK THRESHOLD	See Sketch 498-KH-3

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/5/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-3HH Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-394	498-KH-3HH1	yellow	Yes	No	-	-	misc. part.	
					-	-	100	
498-395	498-KH-3HH2	yellow	Yes	No	-	-	misc. part.	
					-	-	100	
498-396	498-KH-3HH3	yellow	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/5/2017

Material ID and Description		Unified Sample Area Number
498-KH-3II	WHITE SKIM COAT	498-KH-3II

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

WHITE SKIM COAT

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

walls

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-3II1, 498-KH-3II2, 498-KH-3II3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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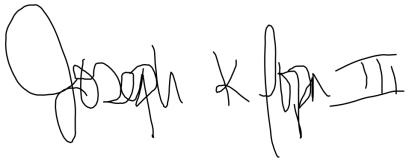
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-3II	WHITE SKIM COAT

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-3II1	0	WHITE SKIM COAT	See Sketch 498-KH-3
498-KH-3II2	0	WHITE SKIM COAT	See Sketch 498-KH-3
498-KH-3II3	0	WHITE SKIM COAT	See Sketch 498-KH-3

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/5/2017

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Phone (808) 671-8383 Fax (808) 671-7979

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-3II Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-397	498-KH-3II1	white	Yes	No	-	-	misc. part.	
					-	-	100	
498-398	498-KH-3II2	white	Yes	No	-	-	misc. part.	
					-	-	100	
498-399	498-KH-3II3	white	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/5/2017

Material ID and Description		Unified Sample Area Number
498-KH-3JJ	WHITE PLASTER CEILING	498-KH-3JJ

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

WHITE PLASTER CEILING

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-3JJ1, 498-KH-3JJ2, 498-KH-3JJ3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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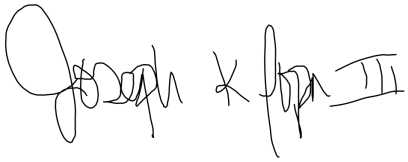
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-3JJ	WHITE PLASTER CEILING

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-3JJ1	0	WHITE PLASTER CEILING	See Sketch 498-KH-3
498-KH-3JJ2	0	WHITE PLASTER CEILING	See Sketch 498-KH-3
498-KH-3JJ3	0	WHITE PLASTER CEILING	See Sketch 498-KH-3

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/5/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-3JJ Analysis Date: 9/15/2017 Report Date: 9/15/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-400	498-KH-3JJ1	white	Yes	No	-	cellulose	misc. part.	
					-	2	98	
498-401	498-KH-3JJ2	white	Yes	No	-	cellulose	misc. part.	
					-	2	98	
498-402	498-KH-3JJ3	white	Yes	No	-	cellulose	misc. part.	
					-	2	98	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/5/2017

Material ID and Description		Unified Sample Area Number
498-KH-3KK	GRAY PLASTIC FLEX DUCT W/YELLOW INSULATION	498-KH-3KK

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

GRAY PLASTIC FLEX DUCT W/YELLOW INSULATION

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage

Visible	Reachable	Texture

Barriers	Ventilation	If Yes	Friable Surface	

Air Movement	Proximity to Repair Items	Activity

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	
Samples Collected by	
Sample Numbers	
Total Number of Samples Analyzed	
Samples Analyzed by	
ASBESTOS-CONTAINING MATERIAL ?	
Number of Salient Designations:	

PHOTOGRAPH



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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/5/2017

Material ID and Description		Unified Sample Area Number
498-KH-3LL	WATERPROOFING MATERIAL	498-KH-3LL

Document Number	Drawing/Sketch Number	
	498-KH-3	498-KH-3

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

WATERPROOFING MATERIAL

inaccessible w/o causing significant damage, ASSUMED ACM

Location of Confirmed, Assumed, or New ACM within Building

See Sketch 498-KH-3

presumed to exist under ceramic flooring in Atrium, bathrooms, and kitchenettes in Judges' Chambers

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface	2600		
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:	±2600		

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
None	None	None

Visible	Reachable	Texture
None visible	Within reach	

Barriers	Ventilation	If Yes	Friable Surface	
Enclosed	Yes	Both		

Air Movement	Proximity to Repair Items	Activity
Low	Less than 1 ft.	High

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	0
Samples Collected by	Other
Sample Numbers	
Total Number of Samples Analyzed	0
Samples Analyzed by	Other
ASBESTOS-CONTAINING MATERIAL ?	**Assumed**
Number of Salient Designations:	

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Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name

KH | Ka'ahumanu Hale

For the ACM - Space Identified as:

498-KH-4

Building Location

777 Punchbowl Street
Honolulu, HI 96813

EMET ID

1511498

Inspection Date(s): 8/30/2017 - 9/14/2017

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACBM Present			Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Friable	T	DC	PD		
498-KH-4A	4" BROWN COVEBASE		YES	NO ACM						
498-KH-4B	BLACK ADHESIVE BENEATH 4" BROWN COVEBASE		YES	NO ACM						
498-KH-4C	4" BLACK COVEBASE		YES	NO ACM						
498-KH-4D	BEIGE ADHESIVE BENEATH 4" BLACK COVEBASE		YES	NO ACM						
498-KH-4E	WHITE GYPSUM WALLBOARD/MUDJOINT WALL AND CEILING SYSTEM		YES	NO ACM						
498-KH-4F	BEIGE SKIM COAT		YES	NO ACM						

*** Refers to Material Type and Damage Conditions**

T = Material Type:	DC = Damage Condition:	PD = Potential Damage Condition:
S = Surfacing	ND = No Damage	NPD = No Potential Damage
M = Miscellaneous	D = Damaged	PD = ACBM w/ Potential Damage
T = Thermal Systems	SD = Significant Damage	PSD = Potential Significant Damage

**** Recommended Response Actions:**

1. Isolate area and restrict access. Remove or repair ASAP.
2. Continue Operations and Maintenance (O&M) program. Remove or repair ASAP or reduce potential for disturbance.

3-5. Repair, continue O&M. Lower number indicates higher priority if all repair cannot be done immediately.

6-7. Continue O&M. Take preventive measures to reduce disturbance. Number indicates priority for removal.

8. Continue O&M until major renovation or demolition requires removal under NESHAPS, or until hazard assessment factors change.

Note: An O&M program may include enclosure and encapsulation.

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Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name

KH | Ka'ahumanu Hale

Building Location

777 Punchbowl Street
Honolulu, HI 96813

EMET ID

1511498

For the ACM - Space Identified as:

498-KH-4

Inspection Date(s): 8/30/2017 - 9/14/2017

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACBM Present			Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Friable	T	DC	PD		
498-KH-4G	2' X 4' WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE		YES	NO ACM						
498-KH-4H	2' X 2' WHITE ACOUSTICAL CEILING TILE		YES	NO ACM						
498-KH-4I	GRAY SINK INSULATION		YES	NO ACM						
498-KH-4J	BEIGE W/MOSAIC PATTERN SHEET VINYL FLOORING		YES	ACM	YES	M	ND	PSD	6	$12000
498-KH-4K	BEIGE MASTIC BENEATH BEIGE W/MOSAIC PATTERN SHEET VINYL FLOORING		YES	ACM	NO	M	ND	PD	8	$12000
498-KH-4L	WHITE CAULKING AT PLUMBING FIXTURE, PLIABLE		YES	NO ACM						

*** Refers to Material Type and Damage Conditions**

T = Material Type:	DC = Damage Condition:	PD = Potential Damage Condition:
S = Surfacing	ND = No Damage	NPD = No Potential Damage
M = Miscellaneous	D = Damaged	PD = ACBM w/ Potential Damage
T = Thermal Systems	SD = Significant Damage	PSD = Potential Significant Damage

**** Recommended Response Actions:**

1. Isolate area and restrict access. Remove or repair ASAP.
2. Continue Operations and Maintenance (O&M) program. Remove or repair ASAP or reduce potential for disturbance.

3-5. Repair, continue O&M. Lower number indicates higher priority if all repair cannot be done immediately.

6-7. Continue O&M. Take preventive measures to reduce disturbance. Number indicates priority for removal.

8. Continue O&M until major renovation or demolition requires removal under NESHAPS, or until hazard assessment factors change.

Note: An O&M program may include enclosure and encapsulation.

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Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name

KH | Ka'ahumanu Hale

For the ACM - Space Identified as:

498-KH-4

Building Location

777 Punchbowl Street
Honolulu, HI 96813

EMET ID

1511498

Inspection Date(s): 8/30/2017 - 9/14/2017

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACBM Present			Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Friable	T	DC	PD		
498-KH-4M	WHITE CAULKING AT PLUMBING FIXTURE		YES	NO ACM						
498-KH-4N	4" DARK BROWN COVEBASE		YES	NO ACM						
498-KH-4O	BROWN ADHESIVE BENEATH 4" DARK BROWN COVEBASE		YES	NO ACM						
498-KH-4P	BLACK CAULKING AT WINDOW FRAME		YES	NO ACM						
498-KH-4Q	BLACK SINK INSULATION		YES	ACM	NO	M	ND	PD	8	$1200
498-KH-4R	12" X 12" PINK W/BROWN STREAKS VFT		YES	ACM	NO	M	ND	PSD	8	$12000

*** Refers to Material Type and Damage Conditions**

T = Material Type:	DC = Damage Condition:	PD = Potential Damage Condition:
S = Surfacing	ND = No Damage	NPD = No Potential Damage
M = Miscellaneous	D = Damaged	PD = ACBM w/ Potential Damage
T = Thermal Systems	SD = Significant Damage	PSD = Potential Significant Damage

**** Recommended Response Actions:**

1. Isolate area and restrict access. Remove or repair ASAP.
2. Continue Operations and Maintenance (O&M) program. Remove or repair ASAP or reduce potential for disturbance.

3-5. Repair, continue O&M. Lower number indicates higher priority if all repair cannot be done immediately.

6-7. Continue O&M. Take preventive measures to reduce disturbance. Number indicates priority for removal.

8. Continue O&M until major renovation or demolition requires removal under NESHAPS, or until hazard assessment factors change.

Note: An O&M program may include enclosure and encapsulation.

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Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name

KH	Ka'ahumanu Hale

For the ACM - Space Identified as:

498-KH-4

Building Location

777 Punchbowl Street
Honolulu, HI 96813

EMET ID

1511498

Inspection Date(s): 8/30/2017 - 9/14/2017

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACBM Present			Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Friable	T	DC	PD		
498-KH-4S	BLACK ADHESIVE BENEATH 12" X 12" PINK W/BROWN STREAKS VFT		YES	NO ACM						
498-KH-4T	BEIGE DUCT MASTIC		YES	NO ACM						
498-KH-4U	WHITE CAULKING AT DOOR FRAME		YES	NO ACM						
498-KH-4V(L1)	6" O. D. WHITE WRAP/YELLOW INSULATION TSI	wrap layer	YES	NO ACM						
498-KH-4V(L2)	6" O. D. WHITE WRAP/YELLOW INSULATION TSI	insulation layer	YES	NO ACM						
498-KH-4W(L1)	8" O. D. WHITE WRAP/YELLOW INSULATION TSI	wrap layer	YES	NO ACM						

*** Refers to Material Type and Damage Conditions**

T = Material Type:	DC = Damage Condition:	PD = Potential Damage Condition:
S = Surfacing	ND = No Damage	NPD = No Potential Damage
M = Miscellaneous	D = Damaged	PD = ACBM w/ Potential Damage
T = Thermal Systems	SD = Significant Damage	PSD = Potential Significant Damage

**** Recommended Response Actions:**

1. Isolate area and restrict access. Remove or repair ASAP.
2. Continue Operations and Maintenance (O&M) program. Remove or repair ASAP or reduce potential for disturbance.

3-5. Repair, continue O&M. Lower number indicates higher priority if all repair cannot be done immediately.

6-7. Continue O&M. Take preventive measures to reduce disturbance. Number indicates priority for removal.

8. Continue O&M until major renovation or demolition requires removal under NESHAPS, or until hazard assessment factors change.

Note: An O&M program may include enclosure and encapsulation.

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Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name

KH | Ka'ahumanu Hale

For the ACM - Space Identified as:

498-KH-4

Building Location

777 Punchbowl Street
Honolulu, HI 96813

EMET ID

1511498

Inspection Date(s): 8/30/2017 - 9/14/2017

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACBM Present			Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Friable	T	DC	PD		
498-KH-4W(L2)	8" O. D. WHITE WRAP/YELLOW INSULATION TSI	insulation layer	YES	NO ACM						
498-KH-4X(L1)	12" O. D. WHITE WRAP/YELLOW INSULATION TSI	wrap layer	YES	NO ACM						
498-KH-4X(L2)	12" O. D. WHITE WRAP/YELLOW INSULATION TSI	insulation layer	YES	NO ACM						
498-KH-4Y	BLACK CAULKING AT AHU SEAMS		YES	NO ACM						
498-KH-4Z	BEIGE CAULKING AT AHU SEAMS		YES	NO ACM						
498-KH-4AA	BLACK VIBRATION CLOTH		YES	NO ACM						

*** Refers to Material Type and Damage Conditions**

T = Material Type:	DC = Damage Condition:	PD = Potential Damage Condition:
S = Surfacing	ND = No Damage	NPD = No Potential Damage
M = Miscellaneous	D = Damaged	PD = ACBM w/ Potential Damage
T = Thermal Systems	SD = Significant Damage	PSD = Potential Significant Damage

**** Recommended Response Actions:**

1. Isolate area and restrict access. Remove or repair ASAP.
2. Continue Operations and Maintenance (O&M) program. Remove or repair ASAP or reduce potential for disturbance.

3-5. Repair, continue O&M. Lower number indicates higher priority if all repair cannot be done immediately.

6-7. Continue O&M. Take preventive measures to reduce disturbance. Number indicates priority for removal.

8. Continue O&M until major renovation or demolition requires removal under NESHAPS, or until hazard assessment factors change.

Note: An O&M program may include enclosure and encapsulation.

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Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name

KH | Ka'ahumanu Hale

For the ACM - Space Identified as:

498-KH-4

Building Location

777 Punchbowl Street
Honolulu, HI 96813

EMET ID

1511498

Inspection Date(s): 8/30/2017 - 9/14/2017

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACBM Present			Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Friable	T	DC	PD		
498-KH-4BB	GRAY CEMENTITIOUS CEILING MATERIAL		YES	NO ACM						
498-KH-4CC	RED PATCH/SEALANT MATERIAL		YES	NO ACM						
498-KH-4DD	WHITE SPRAY-APPLIED CEILING MATERIAL		YES	NO ACM						
498-KH-4EE	WATERPROOFING MATERIAL	inaccessible w/o causing significant damage, ASSUMED ACM	YES	ASSUMED		M	ND	NPD	8	$26000

*** Refers to Material Type and Damage Conditions**

T = Material Type:	DC = Damage Condition:	PD = Potential Damage Condition:
S = Surfacing	ND = No Damage	NPD = No Potential Damage
M = Miscellaneous	D = Damaged	PD = ACBM w/ Potential Damage
T = Thermal Systems	SD = Significant Damage	PSD = Potential Significant Damage

**** Recommended Response Actions:**

1. Isolate area and restrict access. Remove or repair ASAP.
2. Continue Operations and Maintenance (O&M) program. Remove or repair ASAP or reduce potential for disturbance.

3-5. Repair, continue O&M. Lower number indicates higher priority if all repair cannot be done immediately.

6-7. Continue O&M. Take preventive measures to reduce disturbance. Number indicates priority for removal.

8. Continue O&M until major renovation or demolition requires removal under NESHAPS, or until hazard assessment factors change.

Note: An O&M program may include enclosure and encapsulation.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/13/2017

Material ID and Description		Unified Sample Area Number
498-KH-4A	4" BROWN COVEBASE	498-KH-4A

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

4" BROWN COVEBASE

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

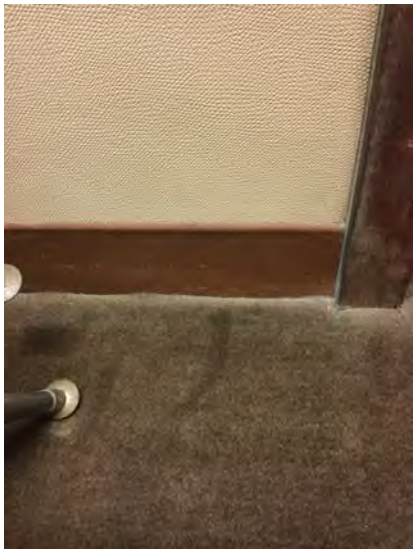
Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-4A1, 498-KH-4A2, 498-KH-4A3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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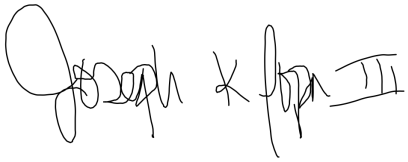
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-4A	4" BROWN COVEBASE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-4A1	0	4" BROWN COVEBASE	See Sketch 498-KH-4
498-KH-4A2	0	4" BROWN COVEBASE	See Sketch 498-KH-4
498-KH-4A3	0	4" BROWN COVEBASE	See Sketch 498-KH-4

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/13/2017

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Phone (808) 671-8383 Fax (808) 671-7979

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-4A Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-403	498-KH-4A1	brown	Yes	No	-	-	misc. part.	
					-	-	100	
498-404	498-KH-4A2	brown	Yes	No	-	-	misc. part.	
					-	-	100	
498-405	498-KH-4A3	brown	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/13/2017

Material ID and Description		Unified Sample Area Number
498-KH-4B	BLACK ADHESIVE BENEATH 4" BROWN COVEBASE	498-KH-4B

Document Number	Drawing/Sketch Number	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BLACK ADHESIVE BENEATH 4" BROWN COVEBASE

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-4B1, 498-KH-4B2, 498-KH-4B3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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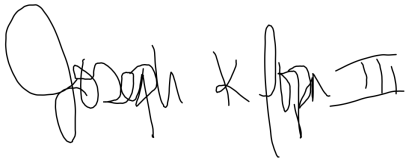
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-4B	BLACK ADHESIVE BENEATH 4" BROWN COVEBASE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-4B1	0	BLACK ADHESIVE BENEATH 4" BROWN COVEBASE	See Sketch 498-KH-4
498-KH-4B2	0	BLACK ADHESIVE BENEATH 4" BROWN COVEBASE	See Sketch 498-KH-4
498-KH-4B3	0	BLACK ADHESIVE BENEATH 4" BROWN COVEBASE	See Sketch 498-KH-4

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/13/2017

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LABORATORY REPORT

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in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-4B Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-406	498-KH-4B1	black/ brown	Yes	No	-	-	misc. part.	
					-	-	100	
498-407	498-KH-4B2	black/ brown	Yes	No	-	-	misc. part.	
					-	-	100	
498-408	498-KH-4B3	black/ brown	Yes	No	-	-	misc. part.	
					-	-	100	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/13/2017

Material ID and Description		Unified Sample Area Number
498-KH-4C	4" BLACK COVEBASE	498-KH-4C

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

4" BLACK COVEBASE

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

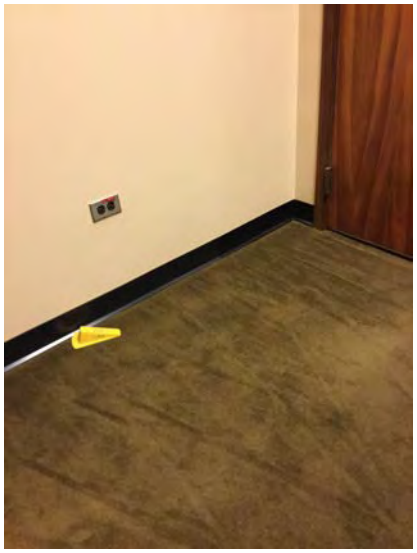
Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-4C1, 498-KH-4C2, 498-KH-4C3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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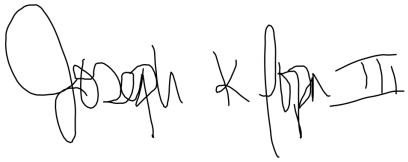
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-4C	4" BLACK COVEBASE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-4C1	0	4" BLACK COVEBASE	See Sketch 498-KH-4
498-KH-4C2	0	4" BLACK COVEBASE	See Sketch 498-KH-4
498-KH-4C3	0	4" BLACK COVEBASE	See Sketch 498-KH-4

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/13/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-4C Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-409	498-KH-4C1	black	Yes	No	-	-	misc. part.	
					-	-	100	
498-410	498-KH-4C2	black	Yes	No	-	-	misc. part.	
					-	-	100	
498-411	498-KH-4C3	black	Yes	No	-	-	misc. part.	
					-	-	100	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/13/2017

Material ID and Description		Unified Sample Area Number
498-KH-4D	BEIGE ADHESIVE BENEATH 4" BLACK COVEBASE	498-KH-4D

Document Number	Drawing/Sketch Number	

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Unified Sample Area/Homogeneous Material

BEIGE ADHESIVE BENEATH 4" BLACK COVEBASE

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

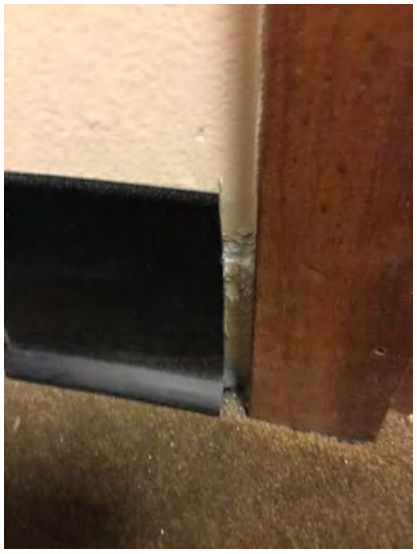
Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-4D1, 498-KH-4D2, 498-KH-4D3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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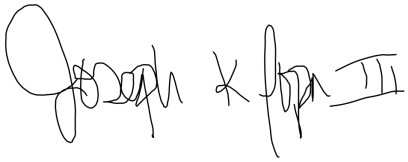
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-4D	BEIGE ADHESIVE BENEATH 4" BLACK COVEBASE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-4D1	0	BEIGE ADHESIVE BENEATH 4" BLACK COVEBASE	See Sketch 498-KH-4
498-KH-4D2	0	BEIGE ADHESIVE BENEATH 4" BLACK COVEBASE	See Sketch 498-KH-4
498-KH-4D3	0	BEIGE ADHESIVE BENEATH 4" BLACK COVEBASE	See Sketch 498-KH-4

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/13/2017

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NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
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Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-4D Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-412	498-KH-4D1	beige	Yes	No	-	-	misc. part.	
					-	-	100	
498-413	498-KH-4D2	beige	Yes	No	-	-	misc. part.	
					-	-	100	
498-414	498-KH-4D3	beige	Yes	No	-	-	misc. part.	
					-	-	100	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/13/2017

Material ID and Description		Unified Sample Area Number
498-KH-4E	WHITE GYPSUM WALLBOARD/MUDJOINT WALL AND CEILING SYSTEM	498-KH-4E

Document Number	Drawing/Sketch Number	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

WHITE GYPSUM WALLBOARD/MUDJOINT WALL AND CEILING SYSTEM

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

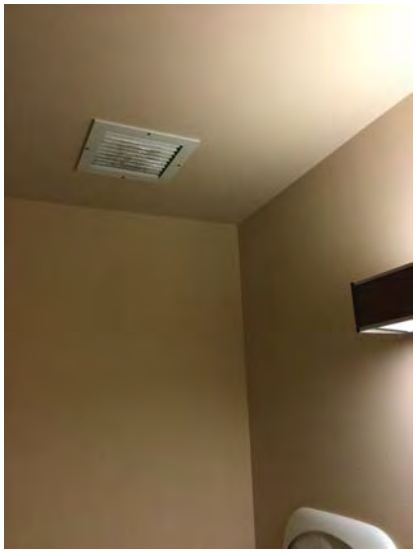
Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-4E1, 498-KH-4E2, 498-KH-4E3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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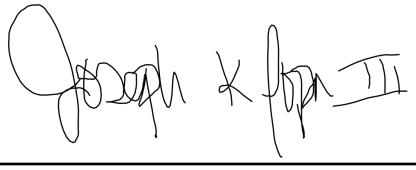
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-4E	WHITE GYPSUM WALLBOARD/MUDJOINT WALL AND CEILING SYSTEM

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-4E1	0	WHITE GYPSUM WALLBOARD/MUDJOINT WALL AND CEILING SYSTEM	See Sketch 498-KH-4
498-KH-4E2	0	WHITE GYPSUM WALLBOARD/MUDJOINT WALL AND CEILING SYSTEM	See Sketch 498-KH-4
498-KH-4E3	0	WHITE GYPSUM WALLBOARD/MUDJOINT WALL AND CEILING SYSTEM	See Sketch 498-KH-4

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/13/2017

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NVLAP LAB CODE 101807-0

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Address: 1150 South King Street, 8th Floor
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Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-4E Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-415	498-KH-4E1	white	Yes	No	-	cellulose	misc. part.	
					-	8	92	
498-416	498-KH-4E2	white	Yes	No	-	cellulose	misc. part.	
					-	8	92	
498-417	498-KH-4E3	white	Yes	No	-	cellulose	misc. part.	
					-	8	92	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/13/2017

Material ID and Description		Unified Sample Area Number
498-KH-4F	BEIGE SKIM COAT	498-KH-4F

Document Number:

Drawing/Sketch Number:

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Unified Sample Area/Homogeneous Material

BEIGE SKIM COAT

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-4F1, 498-KH-4F2, 498-KH-4F3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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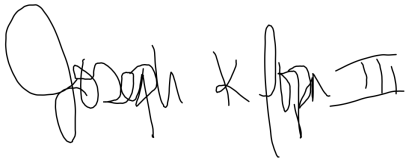
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-4F	BEIGE SKIM COAT

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-4F1	0	BEIGE SKIM COAT	See Sketch 498-KH-4
498-KH-4F2	0	BEIGE SKIM COAT	See Sketch 498-KH-4
498-KH-4F3	0	BEIGE SKIM COAT	See Sketch 498-KH-4

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/13/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-4F Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-418	498-KH-4F1	white	Yes	No	-	-	misc. part.	
					-	-	100	
498-419	498-KH-4F2	white	Yes	No	-	-	misc. part.	
					-	-	100	
498-420	498-KH-4F3	white	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/13/2017

Material ID and Description		Unified Sample Area Number
498-KH-4G	2' X 4' WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE	498-KH-4G

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

2' X 4' WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-4G1, 498-KH-4G2, 498-KH-4G3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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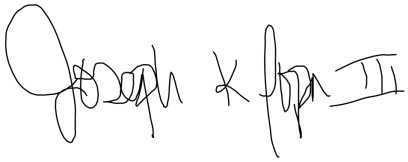
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-4G	2' X 4' WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-4G1	0	2' X 4' WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE	See Sketch 498-KH-4
498-KH-4G2	0	2' X 4' WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE	See Sketch 498-KH-4
498-KH-4G3	0	2' X 4' WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE	See Sketch 498-KH-4

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/13/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-4G Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-421	498-KH-4G1	white	Yes	No	- -	cellulose, mineral 60	misc. part. 40	
498-422	498-KH-4G2	white	Yes	No	- -	cellulose, mineral 60	misc. part. 40	
498-423	498-KH-4G3	white	Yes	No	- -	cellulose, mineral 60	misc. part. 40	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/13/2017

Material ID and Description		Unified Sample Area Number
498-KH-4H	2' X 2' WHITE ACOUSTICAL CEILING TILE	498-KH-4H

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

2' X 2' WHITE ACOUSTICAL CEILING TILE

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

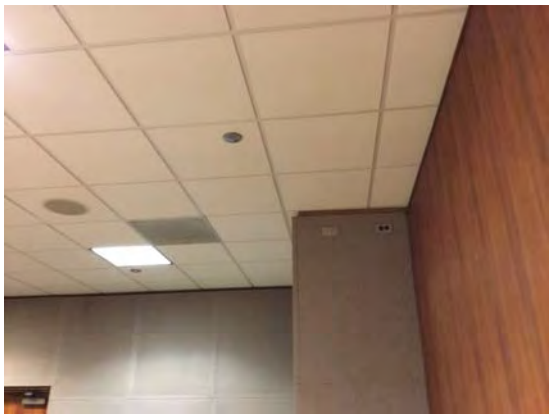
Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-4H1, 498-KH-4H2, 498-KH-4H3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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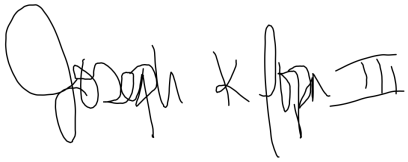
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-4H	2' X 2' WHITE ACOUSTICAL CEILING TILE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-4H1	0	2' X 2' WHITE ACOUSTICAL CEILING TILE	See Sketch 498-KH-4
498-KH-4H2	0	2' X 2' WHITE ACOUSTICAL CEILING TILE	See Sketch 498-KH-4
498-KH-4H3	0	2' X 2' WHITE ACOUSTICAL CEILING TILE	See Sketch 498-KH-4

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/13/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-4H Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-424	498-KH-4H1	white	Yes	No	-	cellulose, mineral	misc. part.	
					-	60	40	
498-425	498-KH-4H2	white	Yes	No	-	cellulose, mineral	misc. part.	
					-	60	40	
498-426	498-KH-4H3	white	Yes	No	-	cellulose, mineral	misc. part.	
					-	60	40	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/13/2017
Material ID and Description			
Document Number	498-KH-4I	GRAY SINK INSULATION	Unified Sample Area Number
Drawing/Sketch Number			
			498-KH-4I

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

GRAY SINK INSULATION

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -
Visible	**Reachable**	**Texture**
- -	- -	- -
Barriers	**Ventilation** / **If Yes**	**Friable Surface**
- -	- - / - -	- - / - -
Air Movement	**Proximity to Repair Items**	**Activity**
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-4I1, 498-KH-4I2, 498-KH-4I3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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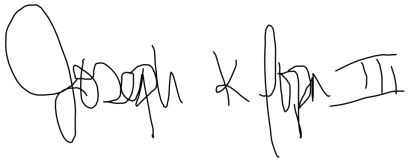
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-4I	GRAY SINK INSULATION

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-4I1	0	GRAY SINK INSULATION	See Sketch 498-KH-4
498-KH-4I2	0	GRAY SINK INSULATION	See Sketch 498-KH-4
498-KH-4I3	0	GRAY SINK INSULATION	See Sketch 498-KH-4

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/13/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-4I Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-427	498-KH-4I1	gray	Yes	No	-	cellulose	misc. part.	
					-	3	97	
498-428	498-KH-4I2	gray	Yes	No	-	cellulose	misc. part.	
					-	3	97	
498-429	498-KH-4I3	gray	Yes	No	-	cellulose	misc. part.	
					-	3	97	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/13/2017

Material ID and Description		Unified Sample Area Number
498-KH-4J	BEIGE W/MOSAIC PATTERN SHEET VINYL FLOORING	498-KH-4J

Document Number	Drawing/Sketch Number	
	498-KH-4	498-KH-4

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BEIGE W/MOSAIC PATTERN SHEET VINYL FLOORING

Location of Confirmed, Assumed, or New ACM within Building

See Sketch 498-KH-4

bathrooms of Judges' Chambers

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface	1200		
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:	±1200		

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
None	Significant	None

Visible	Reachable	Texture
More than 10%	Within reach	smooth

Barriers	Ventilation	If Yes	Friable Surface	
None	Yes	Both	Yes	Hard

Air Movement	Proximity to Repair Items	Activity
Low	Less than 1 ft.	High

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-4J1, 498-KH-4J2, 498-KH-4J3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**YES**
Number of Salient Designations:	

PHOTOGRAPH



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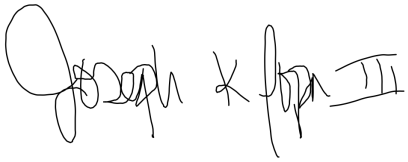
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-4J	BEIGE W/MOSAIC PATTERN SHEET VINYL FLOORING

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-4J1	10	BEIGE W/MOSAIC PATTERN SHEET VINYL FLOORING	See Sketch 498-KH-4
498-KH-4J2	10	BEIGE W/MOSAIC PATTERN SHEET VINYL FLOORING	See Sketch 498-KH-4
498-KH-4J3	10	BEIGE W/MOSAIC PATTERN SHEET VINYL FLOORING	See Sketch 498-KH-4

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/13/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-4J Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-430	498-KH-4J1	beige w/ mosaic pattern	Yes	Yes	chrysotile 10	cellulose 10	misc. part. 80	
498-431	498-KH-4J2	beige w/ mosaic pattern	Yes	Yes	chrysotile 10	cellulose 10	misc. part. 80	
498-432	498-KH-4J3	beige w/ mosaic pattern	Yes	Yes	chrysotile 10	cellulose 10	misc. part. 80	

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*Laboratory test report relates only to items tested.
*Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.

*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques.
*Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/13/2017

Material ID and Description		Unified Sample Area Number
498-KH-4K	BEIGE MASTIC BENEATH BEIGE W/MOSAIC PATTERN SHEET VINYL FLOORING	498-KH-4K

Document Number:

Drawing/Sketch Number: 498-KH-4 | 498-KH-4

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BEIGE MASTIC BENEATH BEIGE W/MOSAIC PATTERN SHEET VINYL FLOORING

Location of Confirmed, Assumed, or New ACM within Building

See Sketch 498-KH-4

bathrooms of Judges' Chambers

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface	1200		
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:	±1200		

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
None	Moderate	None

Visible	Reachable	Texture
None visible	Within reach	smooth

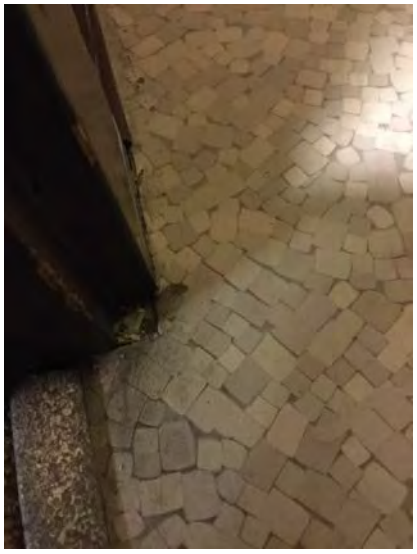
Barriers	Ventilation	If Yes	Friable Surface	
Enclosed	Yes	Both	No	Category I

Air Movement	Proximity to Repair Items	Activity
Low	Less than 1 ft.	High

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-4K1, 498-KH-4K2, 498-KH-4K3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**YES**
Number of Salient Designations:	

PHOTOGRAPH



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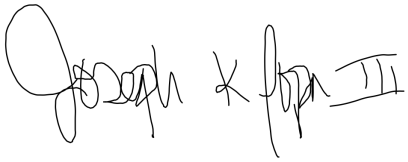
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-4K	BEIGE MASTIC BENEATH BEIGE W/MOSAIC PATTERN SHEET VINYL FLOORING

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-4K1	2	BEIGE MASTIC BENEATH BEIGE W/MOSAIC PATTERN SHEET VINYL FLOORING	See Sketch 498-KH-4
498-KH-4K2	2	BEIGE MASTIC BENEATH BEIGE W/MOSAIC PATTERN SHEET VINYL FLOORING	See Sketch 498-KH-4
498-KH-4K3	2	BEIGE MASTIC BENEATH BEIGE W/MOSAIC PATTERN SHEET VINYL FLOORING	See Sketch 498-KH-4

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/13/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-4K Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-433	498-KH-4K1	beige	Yes	Yes	chrysotile	-	misc. part.	
					2	-	98	
498-434	498-KH-4K2	beige	Yes	Yes	chrysotile	-	misc. part.	
					2	-	98	
498-435	498-KH-4K3	beige	Yes	Yes	chrysotile	-	misc. part.	
					2	-	98	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/13/2017

Material ID and Description		Unified Sample Area Number
498-KH-4L	WHITE CAULKING AT PLUMBING FIXTURE, PLIABLE	498-KH-4L

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

WHITE CAULKING AT PLUMBING FIXTURE, PLIABLE

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-4L1, 498-KH-4L2, 498-KH-4L3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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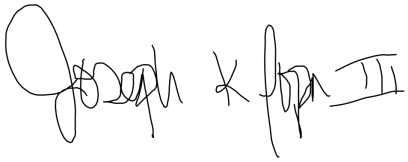
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-4L	WHITE CAULKING AT PLUMBING FIXTURE, PLIABLE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-4L1	0	WHITE CAULKING AT PLUMBING FIXTURE, PLIABLE	See Sketch 498-KH-4
498-KH-4L2	0	WHITE CAULKING AT PLUMBING FIXTURE, PLIABLE	See Sketch 498-KH-4
498-KH-4L3	0	WHITE CAULKING AT PLUMBING FIXTURE, PLIABLE	See Sketch 498-KH-4

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/13/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-4L Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-436	498-KH-4L1	white	Yes	No	-	-	misc. part.	
					-	-	100	
498-437	498-KH-4L2	white	Yes	No	-	-	misc. part.	
					-	-	100	
498-438	498-KH-4L3	white	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/13/2017

Material ID and Description		Unified Sample Area Number
498-KH-4M	WHITE CAULKING AT PLUMBING FIXTURE	498-KH-4M

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

WHITE CAULKING AT PLUMBING FIXTURE

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-4M1, 498-KH-4M2, 498-KH-4M3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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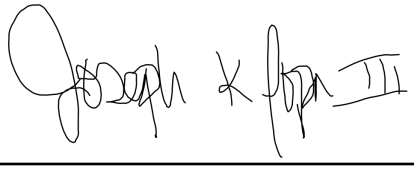
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-4M	WHITE CAULKING AT PLUMBING FIXTURE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-4M1	0	WHITE CAULKING AT PLUMBING FIXTURE	See Sketch 498-KH-4
498-KH-4M2	0	WHITE CAULKING AT PLUMBING FIXTURE	See Sketch 498-KH-4
498-KH-4M3	0	WHITE CAULKING AT PLUMBING FIXTURE	See Sketch 498-KH-4

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/13/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-4M Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-439	498-KH-4M1	white	Yes	No	-	-	misc. part.	
					-	-	100	
498-440	498-KH-4M2	white	Yes	No	-	-	misc. part.	
					-	-	100	
498-441	498-KH-4M3	white	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/13/2017

Material ID and Description		Unified Sample Area Number
498-KH-4N	4" DARK BROWN COVEBASE	498-KH-4N

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

4" DARK BROWN COVEBASE

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

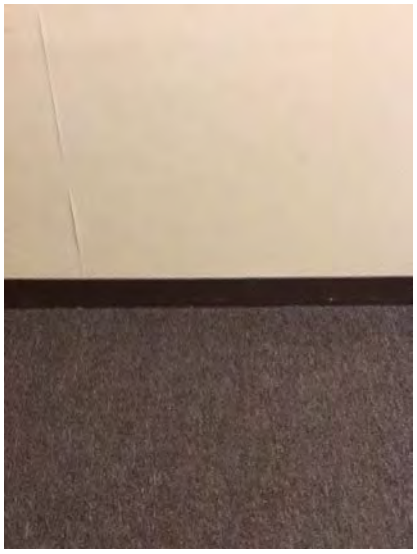
Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-4N1, 498-KH-4N2, 498-KH-4N3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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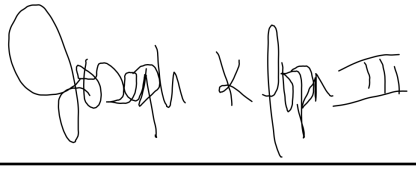
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-4N	4" DARK BROWN COVEBASE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-4N1	0	4" DARK BROWN COVEBASE	See Sketch 498-KH-4
498-KH-4N2	0	4" DARK BROWN COVEBASE	See Sketch 498-KH-4
498-KH-4N3	0	4" DARK BROWN COVEBASE	See Sketch 498-KH-4

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/13/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-4N Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-442	498-KH-4N1	dk brown	Yes	No	-	-	misc. part.	
					-	-	100	
498-443	498-KH-4N2	dk brown	Yes	No	-	-	misc. part.	
					-	-	100	
498-444	498-KH-4N3	dk brown	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/13/2017

Material ID and Description		Unified Sample Area Number
498-KH-4O	BROWN ADHESIVE BENEATH 4" DARK BROWN COVEBASE	498-KH-4O

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BROWN ADHESIVE BENEATH 4" DARK BROWN COVEBASE

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

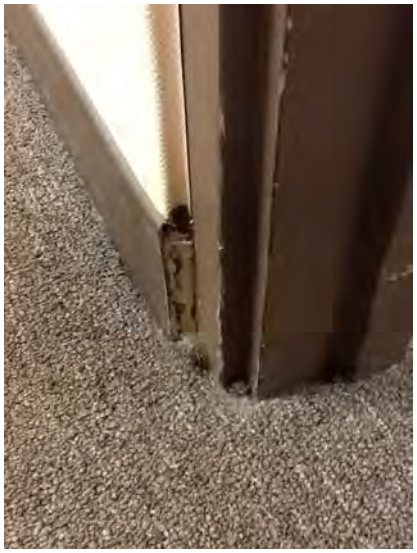
Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-4O1, 498-KH-4O2, 498-KH-4O3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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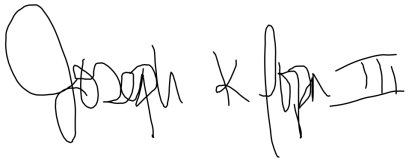
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-4O	BROWN ADHESIVE BENEATH 4" DARK BROWN COVEBASE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-4O1	0	BROWN ADHESIVE BENEATH 4" DARK BROWN COVEBASE	See Sketch 498-KH-4
498-KH-4O2	0	BROWN ADHESIVE BENEATH 4" DARK BROWN COVEBASE	See Sketch 498-KH-4
498-KH-4O3	0	BROWN ADHESIVE BENEATH 4" DARK BROWN COVEBASE	See Sketch 498-KH-4

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/13/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-4O Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-445	498-KH-4O1	brown	Yes	No	-	-	misc. part.	
					-	-	100	
498-446	498-KH-4O2	brown	Yes	No	-	-	misc. part.	
					-	-	100	
498-447	498-KH-4O3	brown	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/13/2017

Material ID and Description		Unified Sample Area Number
498-KH-4P	BLACK CAULKING AT WINDOW FRAME	498-KH-4P

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BLACK CAULKING AT WINDOW FRAME

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-4P1, 498-KH-4P2, 498-KH-4P3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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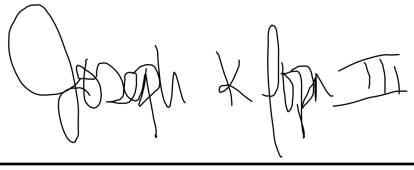
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-4P	BLACK CAULKING AT WINDOW FRAME

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-4P1	0	BLACK CAULKING AT WINDOW FRAME	See Sketch 498-KH-4
498-KH-4P2	0	BLACK CAULKING AT WINDOW FRAME	See Sketch 498-KH-4
498-KH-4P3	0	BLACK CAULKING AT WINDOW FRAME	See Sketch 498-KH-4

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/13/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-4P Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-448	498-KH-4P1	black	Yes	No	-	-	misc. part.	
					-	-	100	
498-449	498-KH-4P2	black	Yes	No	-	-	misc. part.	
					-	-	100	
498-450	498-KH-4P3	black	Yes	No	-	-	misc. part.	
					-	-	100	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/13/2017

Material ID and Description		Unified Sample Area Number
498-KH-4Q	BLACK SINK INSULATION	498-KH-4Q

Document Number	Drawing/Sketch Number	
	498-KH-4	498-KH-4

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BLACK SINK INSULATION

Location of Confirmed, Assumed, or New ACM within Building

See Sketch 498-KH-4

Staff Rooms

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM	16		
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:	±16		

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
None	Moderate	None

Visible	Reachable	Texture
More than 10%	Within reach	smooth

Barriers	Ventilation	If Yes	Friable Surface	
None	Yes	Both	No	Category I

Air Movement	Proximity to Repair Items	Activity
Low	Less than 1 ft.	High

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-4Q1, 498-KH-4Q2, 498-KH-4Q3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**YES**
Number of Salient Designations:	

PHOTOGRAPH



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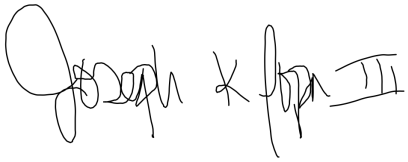
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-4Q	BLACK SINK INSULATION

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-4Q1	2	BLACK SINK INSULATION	See Sketch 498-KH-4
498-KH-4Q2	2	BLACK SINK INSULATION	See Sketch 498-KH-4
498-KH-4Q3	2	BLACK SINK INSULATION	See Sketch 498-KH-4

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/13/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-4Q Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-451	498-KH-4Q1	black	Yes	Yes	chrysotile	-	misc. part.	
					2	-	98	
498-452	498-KH-4Q2	black	Yes	Yes	chrysotile	-	misc. part.	
					2	-	98	
498-453	498-KH-4Q3	black	Yes	Yes	chrysotile	-	misc. part.	
					2	-	98	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/13/2017

Material ID and Description		Unified Sample Area Number
498-KH-4R	12" X 12" PINK W/BROWN STREAKS VFT	498-KH-4R

Document Number:

Drawing/Sketch Number: 498-KH-4 | 498-KH-4

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

12" X 12" PINK W/BROWN STREAKS VFT

Location of Confirmed, Assumed, or New ACM within Building

See Sketch 498-KH-4

Staff Rooms, Storage Rooms, Telephone Rooms and corridors in front of Mechanical Rooms

SAMPLING STRATEGY DATA

Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	1200
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	±1200

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
None	Significant	None

Visible	Reachable	Texture
More than 10%	Within reach	smooth

Barriers	Ventilation	If Yes	Friable Surface	
None	Yes	Both	No	Category I

Air Movement	Proximity to Repair Items	Activity
Low	Less than 1 ft.	High

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-4R1, 498-KH-4R2, 498-KH-4R3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**YES**
Number of Salient Designations:	

PHOTOGRAPH



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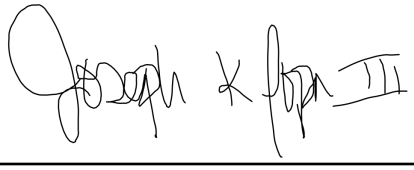
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-4R	12" X 12" PINK W/BROWN STREAKS VFT

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-4R1	2	12" X 12" PINK W/BROWN STREAKS VFT	See Sketch 498-KH-4
498-KH-4R2	2	12" X 12" PINK W/BROWN STREAKS VFT	See Sketch 498-KH-4
498-KH-4R3	2	12" X 12" PINK W/BROWN STREAKS VFT	See Sketch 498-KH-4

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/13/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-4R Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-454	498-KH-4R1	pink w/ brown streaks	Yes	Yes	chrysotile 2	- -	misc. part. 98	
498-455	498-KH-4R2	pink w/ brown streaks	Yes	Yes	chrysotile 2	- -	misc. part. 98	
498-456	498-KH-4R3	pink w/ brown streaks	Yes	Yes	chrysotile 2	- -	misc. part. 98	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/13/2017

Material ID and Description		Unified Sample Area Number
498-KH-4S	BLACK ADHESIVE BENEATH 12" X 12" PINK W/BROWN STREAKS VFT	498-KH-4S

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BLACK ADHESIVE BENEATH 12" X 12" PINK W/BROWN STREAKS VFT

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-4S1, 498-KH-4S2, 498-KH-4S3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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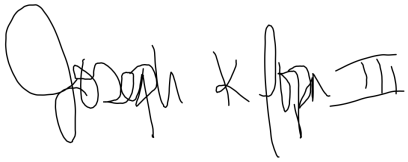
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-4S	BLACK ADHESIVE BENEATH 12" X 12" PINK W/BROWN STREAKS VFT

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-4S1	0	BLACK ADHESIVE BENEATH 12" X 12" PINK W/BROWN STREAKS VFT	See Sketch 498-KH-4
498-KH-4S2	0	BLACK ADHESIVE BENEATH 12" X 12" PINK W/BROWN STREAKS VFT	See Sketch 498-KH-4
498-KH-4S3	0	BLACK ADHESIVE BENEATH 12" X 12" PINK W/BROWN STREAKS VFT	See Sketch 498-KH-4

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/13/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-4S Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-457	498-KH-4S1	black	Yes	No	-	-	misc. part.	
					-	-	100	
498-458	498-KH-4S2	black	Yes	No	-	-	misc. part.	
					-	-	100	
498-459	498-KH-4S3	black	Yes	No	-	-	misc. part.	
					-	-	100	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/13/2017

Material ID and Description		Unified Sample Area Number
498-KH-4T	BEIGE DUCT MASTIC	498-KH-4T

Document Number:

Drawing/Sketch Number:

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Unified Sample Area/Homogeneous Material

BEIGE DUCT MASTIC

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-4T1, 498-KH-4T2, 498-KH-4T3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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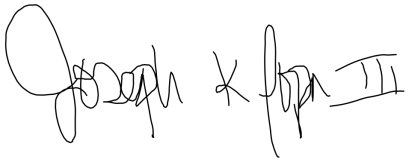
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-4T	BEIGE DUCT MASTIC

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-4T1	0	BEIGE DUCT MASTIC	See Sketch 498-KH-4
498-KH-4T2	0	BEIGE DUCT MASTIC	See Sketch 498-KH-4
498-KH-4T3	0	BEIGE DUCT MASTIC	See Sketch 498-KH-4

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/13/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-4T Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-460	498-KH-4T1	beige	Yes	No	-	-	misc. part.	
					-	-	100	
498-461	498-KH-4T2	beige	Yes	No	-	-	misc. part.	
					-	-	100	
498-462	498-KH-4T3	beige	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/13/2017

Material ID and Description		Unified Sample Area Number
498-KH-4U	WHITE CAULKING AT DOOR FRAME	498-KH-4U

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

WHITE CAULKING AT DOOR FRAME

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-4U1, 498-KH-4U2, 498-KH-4U3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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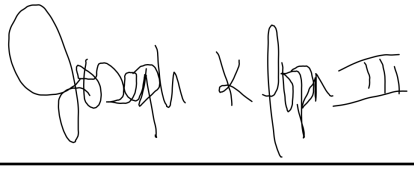
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-4U	WHITE CAULKING AT DOOR FRAME

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-4U1	0	WHITE CAULKING AT DOOR FRAME	See Sketch 498-KH-4
498-KH-4U2	0	WHITE CAULKING AT DOOR FRAME	See Sketch 498-KH-4
498-KH-4U3	0	WHITE CAULKING AT DOOR FRAME	See Sketch 498-KH-4

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/13/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-4U Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-463	498-KH-4U1	white	Yes	No	-	-	misc. part.	
					-	-	100	
498-464	498-KH-4U2	white	Yes	No	-	-	misc. part.	
					-	-	100	
498-465	498-KH-4U3	white	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/13/2017

Material ID and Description		Unified Sample Area Number
498-KH-4V(L1)	6" O. D. WHITE WRAP/YELLOW INSULATION TSI	498-KH-4V(L1)

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

6" O. D. WHITE WRAP/YELLOW INSULATION TSI

wrap layer

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-4V(L1)1, 498-KH-4V(L1)2, 498-KH -4V(L1)3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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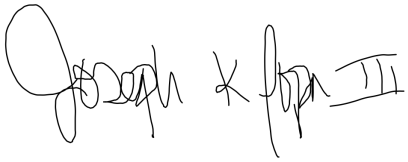
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-4V(L1)	6" O. D. WHITE WRAP/YELLOW INSULATION TSI

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-4V(L1)1	0	6" O. D. WHITE WRAP/YELLOW INSULATION TSI	See Sketch 498-KH-4
498-KH-4V(L1)2	0	6" O. D. WHITE WRAP/YELLOW INSULATION TSI	See Sketch 498-KH-4
498-KH-4V(L1)3	0	6" O. D. WHITE WRAP/YELLOW INSULATION TSI	See Sketch 498-KH-4

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/13/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-4V(L1) Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-466	498-KH-4V(L1)1	white	Yes	No	-	cellulose	misc. part.	
					-	25	75	
498-467	498-KH-4V(L1)2	white	Yes	No	-	cellulose	misc. part.	
					-	25	75	
498-468	498-KH-4V(L1)3	white	Yes	No	-	cellulose	misc. part.	
					-	25	75	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/13/2017

Material ID and Description		Unified Sample Area Number
498-KH-4V(L2)	6" O. D. WHITE WRAP/YELLOW INSULATION TSI	498-KH-4V(L2)

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

6" O. D. WHITE WRAP/YELLOW INSULATION TSI

insulation layer

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-4V(L2)1, 498-KH-4V(L2)2, 498-KH -4V(L2)3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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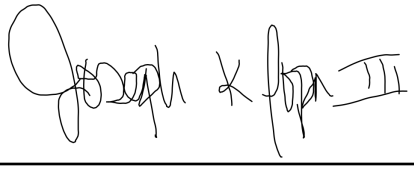
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-4V(L2)	6" O. D. WHITE WRAP/YELLOW INSULATION TSI

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-4V(L2)1	0	6" O. D. WHITE WRAP/YELLOW INSULATION TSI	See Sketch 498-KH-4
498-KH-4V(L2)2	0	6" O. D. WHITE WRAP/YELLOW INSULATION TSI	See Sketch 498-KH-4
498-KH-4V(L2)3	0	6" O. D. WHITE WRAP/YELLOW INSULATION TSI	See Sketch 498-KH-4

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/13/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-4V(L2) Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-469	498-KH-4V(L2)1	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	
498-470	498-KH-4V(L2)2	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	
498-471	498-KH-4V(L2)3	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/13/2017

Material ID and Description		Unified Sample Area Number
498-KH-4W(L1)	8" O. D. WHITE WRAP/YELLOW INSULATION TSI	498-KH-4W(L1)

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

8" O. D. WHITE WRAP/YELLOW INSULATION TSI

wrap layer

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -
Visible	**Reachable**	**Texture**
- -	- -	- -
Barriers	**Ventilation** / **If Yes**	**Friable Surface**
- -	- - / - -	- - / - -
Air Movement	**Proximity to Repair Items**	**Activity**
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-4W(L1)1, 498-KH-4W(L1)2, 498-KH-4W(L1)3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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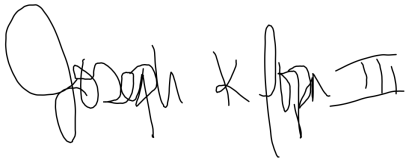
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-4W(L1)	8" O. D. WHITE WRAP/YELLOW INSULATION TSI

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-4W(L1)1	0	8" O. D. WHITE WRAP/YELLOW INSULATION TSI	See Sketch 498-KH-4
498-KH-4W(L1)2	0	8" O. D. WHITE WRAP/YELLOW INSULATION TSI	See Sketch 498-KH-4
498-KH-4W(L1)3	0	8" O. D. WHITE WRAP/YELLOW INSULATION TSI	See Sketch 498-KH-4

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/13/2017

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Phone (808) 671-8383 Fax (808) 671-7979

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-4W(L1) Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-472	498-KH-4W(L1)1	white	Yes	No	-	cellulose	misc. part.	
					-	25	75	
498-473	498-KH-4W(L1)2	white	Yes	No	-	cellulose	misc. part.	
					-	25	75	
498-474	498-KH-4W(L1)3	white	Yes	No	-	cellulose	misc. part.	
					-	25	75	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/13/2017

Material ID and Description		Unified Sample Area Number
498-KH-4W(L2)	8" O. D. WHITE WRAP/YELLOW INSULATION TSI	498-KH-4W(L2)

Document Number	Drawing/Sketch Number	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

8" O. D. WHITE WRAP/YELLOW INSULATION TSI

insulation layer

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-4W(L2)1, 498-KH-4W(L2)2, 498-KH-4W(L2)3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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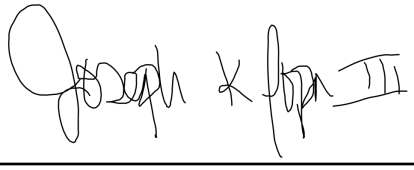
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-4W(L2)	8" O. D. WHITE WRAP/YELLOW INSULATION TSI

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-4W(L2)1	0	8" O. D. WHITE WRAP/YELLOW INSULATION TSI	See Sketch 498-KH-4
498-KH-4W(L2)2	0	8" O. D. WHITE WRAP/YELLOW INSULATION TSI	See Sketch 498-KH-4
498-KH-4W(L2)3	0	8" O. D. WHITE WRAP/YELLOW INSULATION TSI	See Sketch 498-KH-4

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/13/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-4W(L2) Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-475	498-KH-4W(L2)1	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	
498-476	498-KH-4W(L2)2	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	
498-477	498-KH-4W(L2)3	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/13/2017

Material ID and Description		Unified Sample Area Number
498-KH-4X(L1)	12" O. D. WHITE WRAP/YELLOW INSULATION TSI	498-KH-4X(L1)

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

12" O. D. WHITE WRAP/YELLOW INSULATION TSI

wrap layer

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-4X(L1)1, 498-KH-4X(L1)2, 498-KH -4X(L1)3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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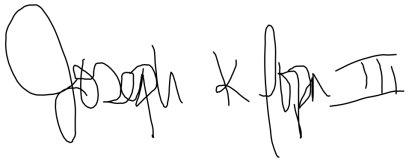
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-4X(L1)	12" O. D. WHITE WRAP/YELLOW INSULATION TSI

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-4X(L1)1	0	12" O. D. WHITE WRAP/YELLOW INSULATION TSI	See Sketch 498-KH-4
498-KH-4X(L1)2	0	12" O. D. WHITE WRAP/YELLOW INSULATION TSI	See Sketch 498-KH-4
498-KH-4X(L1)3	0	12" O. D. WHITE WRAP/YELLOW INSULATION TSI	See Sketch 498-KH-4

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/13/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP®

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

NVLAP LAB CODE 101807-0

Approved Signatory:

Sample/Homogeneous Area:	498-KH-4X(L1)	Analysis Date:	9/20/2017	Report Date:	9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-478	498-KH-4X(L1)1	white	Yes	No	-	cellulose, synthetic	misc. part.	
					-	25	75	
498-479	498-KH-4X(L1)2	white	Yes	No	-	cellulose, synthetic	misc. part.	
					-	25	75	
498-480	498-KH-4X(L1)3	white	Yes	No	-	cellulose, synthetic	misc. part.	
					-	25	75	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/13/2017

Material ID and Description		Unified Sample Area Number
498-KH-4X(L2)	12" O. D. WHITE WRAP/YELLOW INSULATION TSI	498-KH-4X(L2)

Document Number	Drawing/Sketch Number	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

12" O. D. WHITE WRAP/YELLOW INSULATION TSI

insulation layer

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-4X(L2)1, 498-KH-4X(L2)2, 498-KH -4X(L2)3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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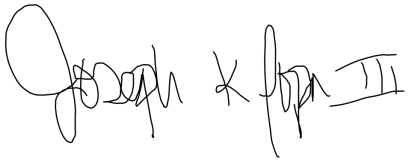
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-4X(L2)	12" O. D. WHITE WRAP/YELLOW INSULATION TSI

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-4X(L2)1	0	12" O. D. WHITE WRAP/YELLOW INSULATION TSI	See Sketch 498-KH-4
498-KH-4X(L2)2	0	12" O. D. WHITE WRAP/YELLOW INSULATION TSI	See Sketch 498-KH-4
498-KH-4X(L2)3	0	12" O. D. WHITE WRAP/YELLOW INSULATION TSI	See Sketch 498-KH-4

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/13/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-4X(L2) Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-481	498-KH-4X(L2)1	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	
498-482	498-KH-4X(L2)2	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	
498-483	498-KH-4X(L2)3	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/13/2017

Material ID and Description		Unified Sample Area Number
498-KH-4Y	BLACK CAULKING AT AHU SEAMS	498-KH-4Y

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BLACK CAULKING AT AHU SEAMS

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -
Visible	**Reachable**	**Texture**
- -	- -	- -
Barriers	**Ventilation**	**If Yes** / **Friable Surface**
- -	- -	- - / - -
Air Movement	**Proximity to Repair Items**	**Activity**
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-4Y1, 498-KH-4Y2, 498-KH-4Y3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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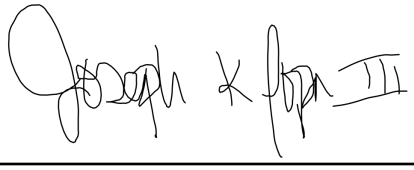
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-4Y	BLACK CAULKING AT AHU SEAMS

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-4Y1	0	BLACK CAULKING AT AHU SEAMS	See Sketch 498-KH-4
498-KH-4Y2	0	BLACK CAULKING AT AHU SEAMS	See Sketch 498-KH-4
498-KH-4Y3	0	BLACK CAULKING AT AHU SEAMS	See Sketch 498-KH-4

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/13/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-4Y Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-484	498-KH-4Y1	black	Yes	No	-	-	misc. part.	
					-	-	100	
498-485	498-KH-4Y2	black	Yes	No	-	-	misc. part.	
					-	-	100	
498-486	498-KH-4Y3	black	Yes	No	-	-	misc. part.	
					-	-	100	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/13/2017

Material ID and Description		Unified Sample Area Number
498-KH-4Z	BEIGE CAULKING AT AHU SEAMS	498-KH-4Z

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BEIGE CAULKING AT AHU SEAMS

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-4Z1, 498-KH-4Z2, 498-KH-4Z3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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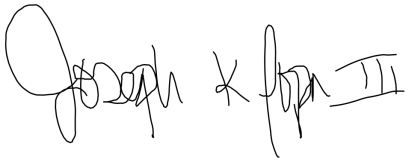
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-4Z	BEIGE CAULKING AT AHU SEAMS

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-4Z1	0	BEIGE CAULKING AT AHU SEAMS	See Sketch 498-KH-4
498-KH-4Z2	0	BEIGE CAULKING AT AHU SEAMS	See Sketch 498-KH-4
498-KH-4Z3	0	BEIGE CAULKING AT AHU SEAMS	See Sketch 498-KH-4

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/13/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-4Z Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-487	498-KH-4Z1	beige	Yes	No	-	-	misc. part.	
					-	-	100	
498-488	498-KH-4Z2	beige	Yes	No	-	-	misc. part.	
					-	-	100	
498-489	498-KH-4Z3	beige	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/13/2017

Material ID and Description		Unified Sample Area Number
498-KH-4AA	BLACK VIBRATION CLOTH	498-KH-4AA

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BLACK VIBRATION CLOTH

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-4AA1, 498-KH-4AA2, 498-KH-4AA3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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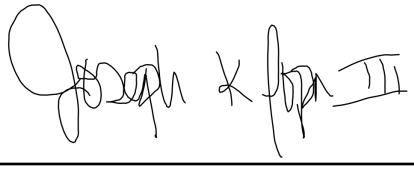
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-4AA	BLACK VIBRATION CLOTH

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-4AA1	0	BLACK VIBRATION CLOTH	See Sketch 498-KH-4
498-KH-4AA2	0	BLACK VIBRATION CLOTH	See Sketch 498-KH-4
498-KH-4AA3	0	BLACK VIBRATION CLOTH	See Sketch 498-KH-4

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/13/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-4AA Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-490	498-KH-4AA1	black	Yes	No	-	synthetic	misc. part.	
					-	20	80	
498-491	498-KH-4AA2	black	Yes	No	-	synthetic	misc. part.	
					-	20	80	
498-492	498-KH-4AA3	black	Yes	No	-	synthetic	misc. part.	
					-	20	80	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/13/2017

Material ID and Description		Unified Sample Area Number
498-KH-4BB	GRAY CEMENTITIOUS CEILING MATERIAL	498-KH-4BB

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

GRAY CEMENTITIOUS CEILING MATERIAL

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials	135		
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:	±135		

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-4BB1, 498-KH-4BB2, 498-KH-4BB3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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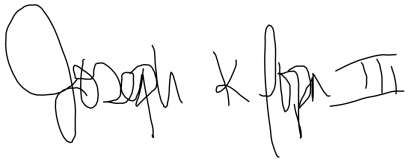
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-4BB	GRAY CEMENTITIOUS CEILING MATERIAL

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-4BB1	0	GRAY CEMENTITIOUS CEILING MATERIAL	See Sketch 498-KH-4
498-KH-4BB2	0	GRAY CEMENTITIOUS CEILING MATERIAL	See Sketch 498-KH-4
498-KH-4BB3	0	GRAY CEMENTITIOUS CEILING MATERIAL	See Sketch 498-KH-4

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/13/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-4BB Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-493	498-KH-4BB1	gray	Yes	No	-	-	misc. part.	
					-	-	100	
498-494	498-KH-4BB2	gray	Yes	No	-	-	misc. part.	
					-	-	100	
498-495	498-KH-4BB3	gray	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/13/2017

Material ID and Description		Unified Sample Area Number
498-KH-4CC	RED PATCH/SEALANT MATERIAL	498-KH-4CC

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

RED PATCH/SEALANT MATERIAL

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-4CC1, 498-KH-4CC2, 498-KH-4CC3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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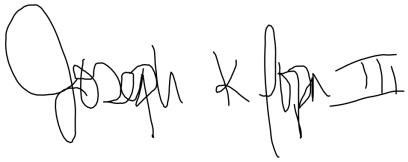
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-4CC	RED PATCH/SEALANT MATERIAL

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-4CC1	0	RED PATCH/SEALANT MATERIAL	See Sketch 498-KH-4
498-KH-4CC2	0	RED PATCH/SEALANT MATERIAL	See Sketch 498-KH-4
498-KH-4CC3	0	RED PATCH/SEALANT MATERIAL	See Sketch 498-KH-4

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/13/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-4CC Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-496	498-KH-4CC1	red	Yes	No	-	cellulose	misc. part.	
					-	4	96	
498-497	498-KH-4CC2	red	Yes	No	-	cellulose	misc. part.	
					-	4	96	
498-498	498-KH-4CC3	red	Yes	No	-	cellulose	misc. part.	
					-	4	96	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/13/2017

Material ID and Description		Unified Sample Area Number
498-KH-4DD	WHITE SPRAY-APPLIED CEILING MATERIAL	498-KH-4DD

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

WHITE SPRAY-APPLIED CEILING MATERIAL

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-4DD1, 498-KH-4DD2, 498-KH-4DD3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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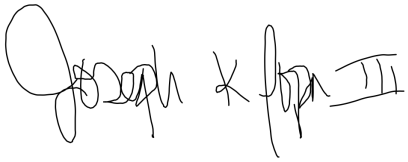
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-4DD	WHITE SPRAY-APPLIED CEILING MATERIAL

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-4DD1	0	WHITE SPRAY-APPLIED CEILING MATERIAL	See Sketch 498-KH-4
498-KH-4DD2	0	WHITE SPRAY-APPLIED CEILING MATERIAL	See Sketch 498-KH-4
498-KH-4DD3	0	WHITE SPRAY-APPLIED CEILING MATERIAL	See Sketch 498-KH-4

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/13/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-4DD Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-499	498-KH-4DD1	white	Yes	No	-	mineral wool	misc. part.	
					-	10	90	
498-500	498-KH-4DD2	white	Yes	No	-	mineral wool	misc. part.	
					-	10	90	
498-501	498-KH-4DD3	white	Yes	No	-	mineral wool	misc. part.	
					-	10	90	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/13/2017

Material ID and Description		Unified Sample Area Number
498-KH-4EE	WATERPROOFING MATERIAL	498-KH-4EE

Document Number	Drawing/Sketch Number	
	498-KH-4	498-KH-4

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

WATERPROOFING MATERIAL

inaccessible w/o causing significant damage, ASSUMED ACM

Location of Confirmed, Assumed, or New ACM within Building

See Sketch 498-KH-4

presumed to exist under ceramic flooring in Atrium, bathrooms, and kitchenettes in Judges' Chambers

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface	2600		
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:	±2600		

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
None	None	None

Visible	Reachable	Texture
None visible	Within reach	

Barriers	Ventilation	If Yes	Friable Surface	
Enclosed	Yes	Both		

Air Movement	Proximity to Repair Items	Activity
Low	Less than 1 ft.	High

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	0
Samples Collected by	Other
Sample Numbers	
Total Number of Samples Analyzed	0
Samples Analyzed by	Other
ASBESTOS-CONTAINING MATERIAL ?	**Assumed**
Number of Salient Designations:	

PHOTOGRAPH

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Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name

KH | Ka'ahumanu Hale

For the ACM - Space Identified as:

498-KH-B

Building Location

777 Punchbowl Street
Honolulu, HI 96813

EMET ID

1511498

Inspection Date(s): 8/30/2017 - 9/14/2017

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACBM Present			Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Friable	T	DC	PD		
498-KH-BA	RED CAULKING AT WALL PENETRATION		YES	NO ACM						
498-KH-BB	BROWN CAULKING AT WALL PENETRATION		YES	NO ACM						
498-KH-BC	WHITE CAULKING AT VENT AND DUCT		YES	NO ACM						
498-KH-BD	WHITE CAULKING AT DOOR FRAME		YES	NO ACM						
498-KH-BE	BROWN CAULKING AT DOOR FRAME		YES	NO ACM						
498-KH-BF(L1)	4" O. D. WHITE WRAP W/YELLOW INSULATION TSI	wrap layer	YES	NO ACM						

*** Refers to Material Type and Damage Conditions**

T = Material Type:	DC = Damage Condition:	PD = Potential Damage Condition:
S = Surfacing	ND = No Damage	NPD = No Potential Damage
M = Miscellaneous	D = Damaged	PD = ACBM w/ Potential Damage
T = Thermal Systems	SD = Significant Damage	PSD = Potential Significant Damage

**** Recommended Response Actions:**

1. Isolate area and restrict access. Remove or repair ASAP.
2. Continue Operations and Maintenance (O&M) program. Remove or repair ASAP or reduce potential for disturbance.

3-5. Repair, continue O&M. Lower number indicates higher priority if all repair cannot be done immediately.

6-7. Continue O&M. Take preventive measures to reduce disturbance. Number indicates priority for removal.

8. Continue O&M until major renovation or demolition requires removal under NESHAPS, or until hazard assessment factors change.

Note: An O&M program may include enclosure and encapsulation.

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Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name

KH | Ka'ahumanu Hale

For the ACM - Space Identified as:

498-KH-B

Building Location

777 Punchbowl Street
Honolulu, HI 96813

EMET ID

1511498

Inspection Date(s): 8/30/2017 - 9/14/2017

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACBM Present			Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Friable	T	DC	PD		
498-KH-BF(L2)	4" O. D. WHITE WRAP W/YELLOW INSULATION TSI	insulation layer	YES	NO ACM						
498-KH-BG	12" X 12" BEIGE W/BROWN/WHITE SPECKS VFT		YES	ACM	NO	M	ND	PSD	8	$16000
498-KH-BH	BLACK MASTIC BENEATH 12" X 12" BEIGE W/BROWN/WHITE SPECKS VFT		YES	ACM	NO	M	ND	PD	8	$16000
498-KH-BI	WHITE LEVELING COMPOUND		YES	NO ACM						
498-KH-BJ	1" BROWN THRESHOLD		YES	NO ACM						
498-KH-BK	YELLOW ADHESIVE BENEATH 1" BROWN THRESHOLD		YES	NO ACM						

*** Refers to Material Type and Damage Conditions**

T = Material Type:	DC = Damage Condition:	PD = Potential Damage Condition:
S = Surfacing	ND = No Damage	NPD = No Potential Damage
M = Miscellaneous	D = Damaged	PD = ACBM w/ Potential Damage
T = Thermal Systems	SD = Significant Damage	PSD = Potential Significant Damage

**** Recommended Response Actions:**

1. Isolate area and restrict access. Remove or repair ASAP.
2. Continue Operations and Maintenance (O&M) program. Remove or repair ASAP or reduce potential for disturbance.

3-5. Repair, continue O&M. Lower number indicates higher priority if all repair cannot be done immediately.

6-7. Continue O&M. Take preventive measures to reduce disturbance. Number indicates priority for removal.

8. Continue O&M until major renovation or demolition requires removal under NESHAPS, or until hazard assessment factors change.

Note: An O&M program may include enclosure and encapsulation.

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Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name

KH | Ka'ahumanu Hale

For the ACM - Space Identified as:

498-KH-B

Building Location

777 Punchbowl Street
Honolulu, HI 96813

EMET ID

1511498

Inspection Date(s): 8/30/2017 - 9/14/2017

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACBM Present			Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Friable	T	DC	PD		
498-KH-BL	4" BLACK COVEBASE		YES	NO ACM						
498-KH-BM	BEIGE ADHESIVE BENEATH 4" BLACK COVEBASE		YES	NO ACM						
498-KH-BN(L1)	10" O. D. WHITE WRAP W/WHITE INSULATION TSI	wrap layer	YES	NO ACM						
498-KH-BN(L2)	10" O. D. WHITE WRAP W/WHITE INSULATION TSI	insulation layer	YES	NO ACM						
498-KH-BO(L1)	20" O. D. WHITE WRAP W/WHITE INSULATION TSI	wrap layer	YES	NO ACM						
498-KH-BO(L2)	20" O. D. WHITE WRAP W/WHITE INSULATION TSI	insulation layer	YES	NO ACM						

*** Refers to Material Type and Damage Conditions**

T = Material Type:	DC = Damage Condition:	PD = Potential Damage Condition:
S = Surfacing	ND = No Damage	NPD = No Potential Damage
M = Miscellaneous	D = Damaged	PD = ACBM w/ Potential Damage
T = Thermal Systems	SD = Significant Damage	PSD = Potential Significant Damage

**** Recommended Response Actions:**

1. Isolate area and restrict access. Remove or repair ASAP.
2. Continue Operations and Maintenance (O&M) program. Remove or repair ASAP or reduce potential for disturbance.

3-5. Repair, continue O&M. Lower number indicates higher priority if all repair cannot be done immediately.

6-7. Continue O&M. Take preventive measures to reduce disturbance. Number indicates priority for removal.

8. Continue O&M until major renovation or demolition requires removal under NESHAPS, or until hazard assessment factors change.

Note: An O&M program may include enclosure and encapsulation.

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Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name

KH | Ka'ahumanu Hale

For the ACM - Space Identified as:

498-KH-B

Building Location

777 Punchbowl Street
Honolulu, HI 96813

EMET ID

1511498

Inspection Date(s): 8/30/2017 - 9/14/2017

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACBM Present			Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Friable	T	DC	PD		
498-KH-BP(L1)	3" O. D. WHITE WRAP W/YELLOW INSULATION TSI	wrap layer	YES	NO ACM						
498-KH-BP(L2)	3" O. D. WHITE WRAP W/YELLOW INSULATION TSI	insulation layer	YES	NO ACM						
498-KH-BQ	4" BROWN COVEBASE		YES	NO ACM						
498-KH-BR	BROWN ADHESIVE BENEATH 4" BROWN COVEBASE		YES	NO ACM						
498-KH-BS	2' X 4' WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE		YES	NO ACM						
498-KH-BT	18"X18" GREEN/YELLOW W/BROWN STONE PATTERN VFT		YES	NO ACM						

*** Refers to Material Type and Damage Conditions**

T = Material Type:	DC = Damage Condition:	PD = Potential Damage Condition:
S = Surfacing	ND = No Damage	NPD = No Potential Damage
M = Miscellaneous	D = Damaged	PD = ACBM w/ Potential Damage
T = Thermal Systems	SD = Significant Damage	PSD = Potential Significant Damage

**** Recommended Response Actions:**

1. Isolate area and restrict access. Remove or repair ASAP.
2. Continue Operations and Maintenance (O&M) program. Remove or repair ASAP or reduce potential for disturbance.

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6-7. Continue O&M. Take preventive measures to reduce disturbance. Number indicates priority for removal.

8. Continue O&M until major renovation or demolition requires removal under NESHAPS, or until hazard assessment factors change.

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Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name

KH | Ka'ahumanu Hale

For the ACM - Space Identified as:

498-KH-B

Building Location

777 Punchbowl Street
Honolulu, HI 96813

EMET ID

1511498

Inspection Date(s): 8/30/2017 - 9/14/2017

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACBM Present			Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Friable	T	DC	PD		
498-KH-BU	CLEAR ADHESIVE BENEATH 18"X18" GREEN/YELLOW W/BROWN STONE PATTERN VFT		YES	NO ACM						
498-KH-BV	BEIGE W/YELLOW SPECKS SHEET VINYL FLOORING		YES	ACM	YES	M	ND	PSD	6	$2400

*** Refers to Material Type and Damage Conditions**

T = Material Type:	DC = Damage Condition:	PD = Potential Damage Condition:
S = Surfacing	ND = No Damage	NPD = No Potential Damage
M = Miscellaneous	D = Damaged	PD = ACBM w/ Potential Damage
T = Thermal Systems	SD = Significant Damage	PSD = Potential Significant Damage

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1. Isolate area and restrict access. Remove or repair ASAP.
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6-7. Continue O&M. Take preventive measures to reduce disturbance. Number indicates priority for removal.

8. Continue O&M until major renovation or demolition requires removal under NESHAPS, or until hazard assessment factors change.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/14/2017

Material ID and Description		Unified Sample Area Number
498-KH-BA	RED CAULKING AT WALL PENETRATION	498-KH-BA

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

RED CAULKING AT WALL PENETRATION

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

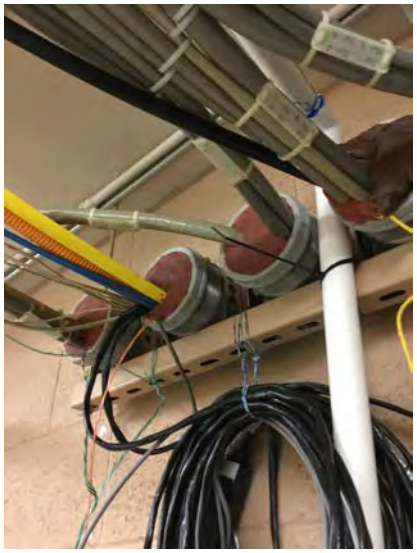
Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-BA1, 498-KH-BA2, 498-KH-BA3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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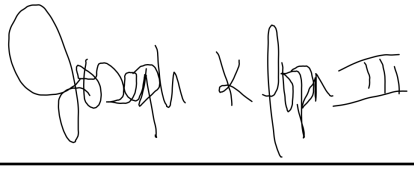
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-BA	RED CAULKING AT WALL PENETRATION

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-BA1	0	RED CAULKING AT WALL PENETRATION	See Sketch 498-KH-B
498-KH-BA2	0	RED CAULKING AT WALL PENETRATION	See Sketch 498-KH-B
498-KH-BA3	0	RED CAULKING AT WALL PENETRATION	See Sketch 498-KH-B

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/14/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-BA Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-502	498-KH-BA1	red	Yes	No	-	cellulose	misc. part.	
					-	3	97	
498-503	498-KH-BA2	red	Yes	No	-	cellulose	misc. part.	
					-	4	96	
498-504	498-KH-BA3	red	Yes	No	-	cellulose	misc. part.	
					-	3	97	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/14/2017

Material ID and Description		Unified Sample Area Number
498-KH-BB	BROWN CAULKING AT WALL PENETRATION	498-KH-BB

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BROWN CAULKING AT WALL PENETRATION

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-BB1, 498-KH-BB2, 498-KH-BB3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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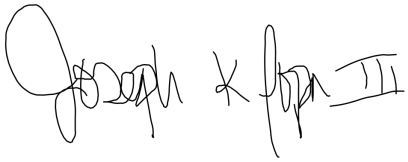
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-BB	BROWN CAULKING AT WALL PENETRATION

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-BB1	0	BROWN CAULKING AT WALL PENETRATION	See Sketch 498-KH-B
498-KH-BB2	0	BROWN CAULKING AT WALL PENETRATION	See Sketch 498-KH-B
498-KH-BB3	0	BROWN CAULKING AT WALL PENETRATION	See Sketch 498-KH-B

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/14/2017

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Phone (808) 671-8383 Fax (808) 671-7979

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-BB Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-505	498-KH-BB1	brown	Yes	No	-	fibrous glass	misc. part.	
					-	3	97	
498-506	498-KH-BB2	brown	Yes	No	-	fibrous glass	misc. part.	
					-	3	97	
498-507	498-KH-BB3	brown	Yes	No	-	fibrous glass	misc. part.	
					-	3	97	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/14/2017

Material ID and Description		Unified Sample Area Number
498-KH-BC	WHITE CAULKING AT VENT AND DUCT	498-KH-BC

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

WHITE CAULKING AT VENT AND DUCT

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-BC1, 498-KH-BC2, 498-KH-BC3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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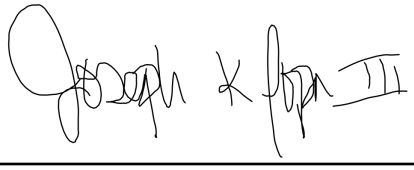
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-BC	WHITE CAULKING AT VENT AND DUCT

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-BC1	0	WHITE CAULKING AT VENT AND DUCT	See Sketch 498-KH-B
498-KH-BC2	0	WHITE CAULKING AT VENT AND DUCT	See Sketch 498-KH-B
498-KH-BC3	0	WHITE CAULKING AT VENT AND DUCT	See Sketch 498-KH-B

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/14/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-BC Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-508	498-KH-BC1	white	Yes	No	-	-	misc. part.	
					-	-	100	
498-509	498-KH-BC2	white	Yes	No	-	-	misc. part.	
					-	-	100	
498-510	498-KH-BC3	white	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/14/2017

Material ID and Description		Unified Sample Area Number
498-KH-BD	WHITE CAULKING AT DOOR FRAME	498-KH-BD

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

WHITE CAULKING AT DOOR FRAME

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-BD1, 498-KH-BD2, 498-KH-BD3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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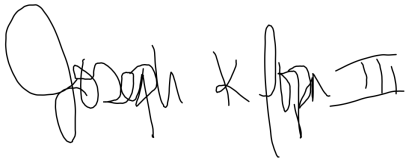
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-BD	WHITE CAULKING AT DOOR FRAME

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-BD1	0	WHITE CAULKING AT DOOR FRAME	See Sketch 498-KH-B
498-KH-BD2	0	WHITE CAULKING AT DOOR FRAME	See Sketch 498-KH-B
498-KH-BD3	0	WHITE CAULKING AT DOOR FRAME	See Sketch 498-KH-B

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/14/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-BD Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-511	498-KH-BD1	white	Yes	No	-	-	misc. part.	
					-	-	100	
498-512	498-KH-BD2	white	Yes	No	-	-	misc. part.	
					-	-	100	
498-513	498-KH-BD3	white	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/14/2017

Material ID and Description		Unified Sample Area Number
498-KH-BE	BROWN CAULKING AT DOOR FRAME	498-KH-BE

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BROWN CAULKING AT DOOR FRAME

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

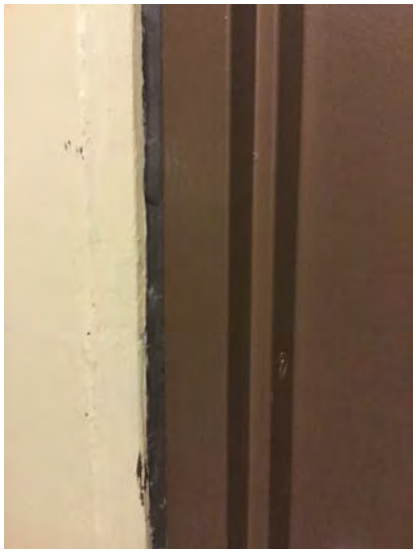
Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-BE1, 498-KH-BE2, 498-KH-BE3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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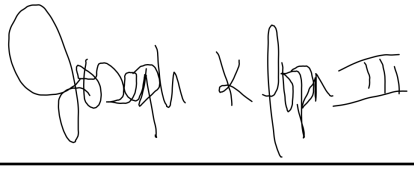
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-BE	BROWN CAULKING AT DOOR FRAME

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-BE1	0	BROWN CAULKING AT DOOR FRAME	See Sketch 498-KH-B
498-KH-BE2	0	BROWN CAULKING AT DOOR FRAME	See Sketch 498-KH-B
498-KH-BE3	0	BROWN CAULKING AT DOOR FRAME	See Sketch 498-KH-B

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/14/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-BE Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-514	498-KH-BE1	brown	Yes	No	-	-	misc. part.	
					-	-	100	
498-515	498-KH-BE2	brown	Yes	No	-	-	misc. part.	
					-	-	100	
498-516	498-KH-BE3	brown	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/14/2017

Material ID and Description		Unified Sample Area Number
498-KH-BF(L1)	4" O. D. WHITE WRAP W/YELLOW INSULATION TSI	498-KH-BF(L1)

Document Number	Drawing/Sketch Number	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

4" O. D. WHITE WRAP W/YELLOW INSULATION TSI

wrap layer

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

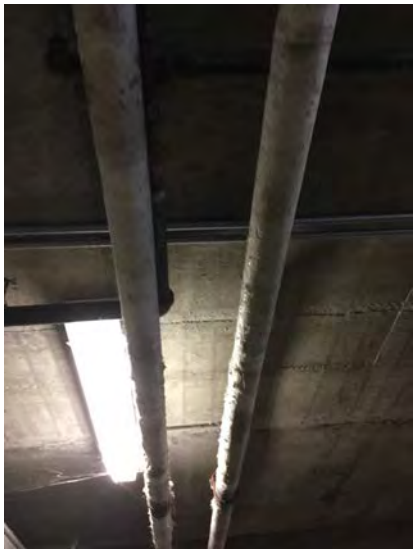
Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-BF(L1)1, 498-KH-BF(L1)2, 498-KH-BF(L1)3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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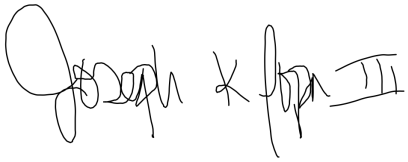
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-BF(L1)	4" O. D. WHITE WRAP W/YELLOW INSULATION TSI

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-BF(L1)1	0	4" O. D. WHITE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-B
498-KH-BF(L1)2	0	4" O. D. WHITE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-B
498-KH-BF(L1)3	0	4" O. D. WHITE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-B

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/14/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-BF(L1) Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-517	498-KH-BF(L1)1	white	Yes	No	-	cellulose	misc. part.	
					-	25	75	
498-518	498-KH-BF(L1)2	white	Yes	No	-	cellulose	misc. part.	
					-	25	75	
498-519	498-KH-BF(L1)3	white	Yes	No	-	cellulose	misc. part.	
					-	25	75	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/14/2017

Material ID and Description		Unified Sample Area Number
498-KH-BF(L2)	4" O. D. WHITE WRAP W/YELLOW INSULATION TSI	498-KH-BF(L2)

Document Number	Drawing/Sketch Number	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

4" O. D. WHITE WRAP W/YELLOW INSULATION TSI

insulation layer

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

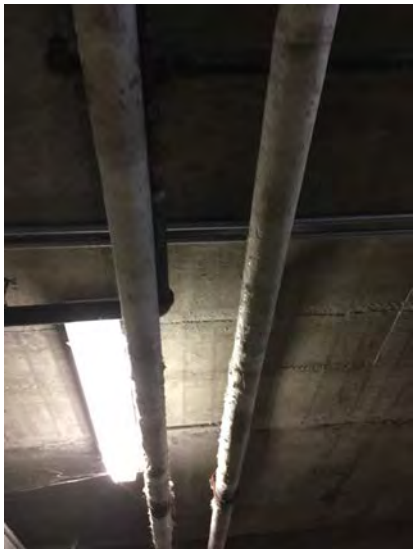
Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-BF(L2)1, 498-KH-BF(L2)2, 498-KH-BF(L2)3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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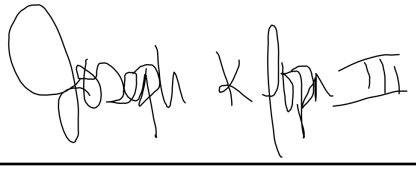
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-BF(L2)	4" O. D. WHITE WRAP W/YELLOW INSULATION TSI

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-BF(L2)1	0	4" O. D. WHITE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-B
498-KH-BF(L2)2	0	4" O. D. WHITE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-B
498-KH-BF(L2)3	0	4" O. D. WHITE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-B

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/14/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-BF(L2) Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-520	498-KH-BF(L2)1	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	
498-521	498-KH-BF(L2)2	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	
498-522	498-KH-BF(L2)3	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
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Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/14/2017

Material ID and Description		Unified Sample Area Number
498-KH-BG	12" X 12" BEIGE W/BROWN/WHITE SPECKS VFT	498-KH-BG

Document Number	Drawing/Sketch Number	
	498-KH-B	498-KH-B

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

12" X 12" BEIGE W/BROWN/WHITE SPECKS VFT

Location of Confirmed, Assumed, or New ACM within Building

See Sketch 498-KH-B

elevator lobbies, Record Storage, and holding cells area; also under sheet vinyl in elevators

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface	1600		
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:	±1600		

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
None	Significant	None

Visible	Reachable	Texture
More than 10%	Within reach	smooth

Barriers	Ventilation	If Yes	Friable Surface	
None	Yes	Both	No	Category I

Air Movement	Proximity to Repair Items	Activity
Low	Less than 1 ft.	High

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-BG1, 498-KH-BG2, 498-KH-BG3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**YES**
Number of Salient Designations:	

PHOTOGRAPH



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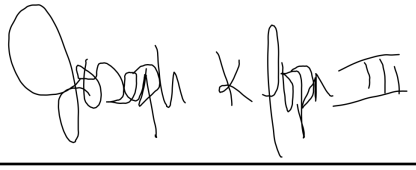
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-BG	12" X 12" BEIGE W/BROWN/WHITE SPECKS VFT

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-BG1	2	12" X 12" BEIGE W/BROWN/WHITE SPECKS VFT	See Sketch 498-KH-B
498-KH-BG2	2	12" X 12" BEIGE W/BROWN/WHITE SPECKS VFT	See Sketch 498-KH-B
498-KH-BG3	2	12" X 12" BEIGE W/BROWN/WHITE SPECKS VFT	See Sketch 498-KH-B

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/14/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-BG Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-523	498-KH-BG1	beige w/ brown/ white specks	Yes	Yes	chrysotile 2	- -	misc. part. 98	
498-524	498-KH-BG2	beige w/ brown/ white specks	Yes	Yes	chrysotile 2	- -	misc. part. 98	
498-525	498-KH-BG3	beige w/ brown/ white specks	Yes	Yes	chrysotile 2	- -	misc. part. 98	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/14/2017

Material ID and Description		Unified Sample Area Number
498-KH-BH	BLACK MASTIC BENEATH 12" X 12" BEIGE W/BROWN/WHITE SPECKS VFT	498-KH-BH

Document Number	Drawing/Sketch Number	
	498-KH-B	498-KH-B

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BLACK MASTIC BENEATH 12" X 12" BEIGE W/BROWN/WHITE SPECKS VFT

Location of Confirmed, Assumed, or New ACM within Building

See Sketch 498-KH-B

elevator lobbies, Record Storage, and holding cells area

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface	1600		
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:	±1600		

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
None	Moderate	None

Visible	Reachable	Texture
None visible	Within reach	smooth

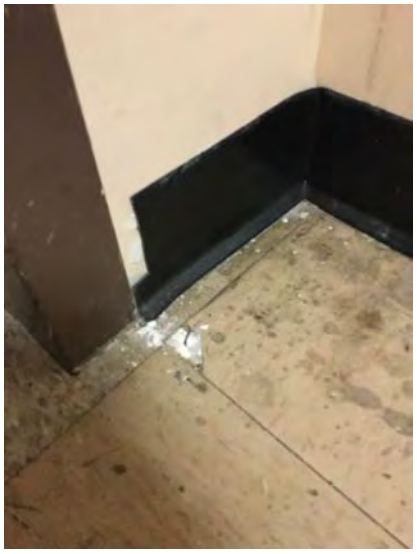
Barriers	Ventilation	If Yes	Friable Surface	
Enclosed	Yes	Both	No	Category I

Air Movement	Proximity to Repair Items	Activity
Low	Less than 1 ft.	High

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-BH1, 498-KH-BH2, 498-KH-BH3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**YES**
Number of Salient Designations:	

PHOTOGRAPH



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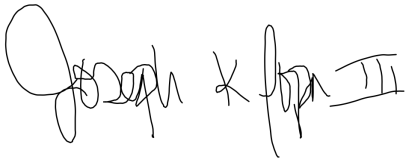
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-BH	BLACK MASTIC BENEATH 12" X 12" BEIGE W/BROWN/WHITE SPECKS VFT

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-BH1	2	BLACK MASTIC BENEATH 12" X 12" BEIGE W/BROWN/WHITE SPECKS VFT	See Sketch 498-KH-B
498-KH-BH2	2	BLACK MASTIC BENEATH 12" X 12" BEIGE W/BROWN/WHITE SPECKS VFT	See Sketch 498-KH-B
498-KH-BH3	2	BLACK MASTIC BENEATH 12" X 12" BEIGE W/BROWN/WHITE SPECKS VFT	See Sketch 498-KH-B

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/14/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-BH Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-526	498-KH-BH1	black/ yellow	Yes	Yes	chrysotile 2	- -	misc. part. 98	
498-527	498-KH-BH2	black/ yellow	Yes	Yes	chrysotile 2	- -	misc. part. 98	
498-528	498-KH-BH3	black/ yellow	Yes	Yes	chrysotile 2	- -	misc. part. 98	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/14/2017
	Material ID and Description		
Document Number	498-KH-BI	WHITE LEVELING COMPOUND	Unified Sample Area Number
	Drawing/Sketch Number		
			498-KH-BI

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

WHITE LEVELING COMPOUND

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

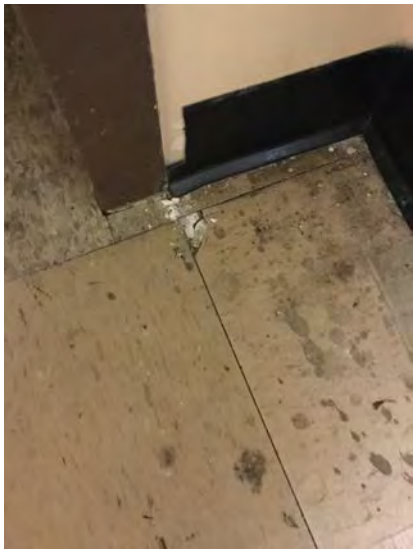
RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -
Visible	**Reachable**	**Texture**
- -	- -	- -
Barriers	**Ventilation** / **If Yes**	**Friable Surface**
- -	- - / - -	- - / - -
Air Movement	**Proximity to Repair Items**	**Activity**
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-BI1, 498-KH-BI2, 498-KH-BI3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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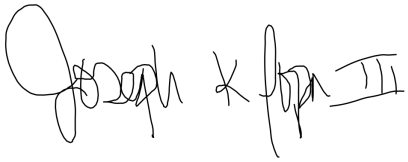
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-BI	WHITE LEVELING COMPOUND

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-BI1	0	WHITE LEVELING COMPOUND	See Sketch 498-KH-B
498-KH-BI2	0	WHITE LEVELING COMPOUND	See Sketch 498-KH-B
498-KH-BI3	0	WHITE LEVELING COMPOUND	See Sketch 498-KH-B

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/14/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-BI Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-529	498-KH-BI1	white	Yes	No	-	-	misc. part.	
					-	-	100	
498-530	498-KH-BI2	white	Yes	No	-	-	misc. part.	
					-	-	100	
498-531	498-KH-BI3	white	Yes	No	-	-	misc. part.	
					-	-	100	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/14/2017

Material ID and Description		Unified Sample Area Number
498-KH-BJ	1" BROWN THRESHOLD	498-KH-BJ

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

1" BROWN THRESHOLD

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-BJ1, 498-KH-BJ2, 498-KH-BJ3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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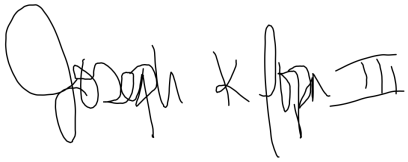
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-BJ	1" BROWN THRESHOLD

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-BJ1	0	1" BROWN THRESHOLD	See Sketch 498-KH-B
498-KH-BJ2	0	1" BROWN THRESHOLD	See Sketch 498-KH-B
498-KH-BJ3	0	1" BROWN THRESHOLD	See Sketch 498-KH-B

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/14/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-BJ Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-532	498-KH-BJ1	brown	Yes	No	-	-	misc. part.	
					-	-	100	
498-533	498-KH-BJ2	brown	Yes	No	-	-	misc. part.	
					-	-	100	
498-534	498-KH-BJ3	brown	Yes	No	-	-	misc. part.	
					-	-	100	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/14/2017

Material ID and Description		Unified Sample Area Number
498-KH-BK	YELLOW ADHESIVE BENEATH 1" BROWN THRESHOLD	498-KH-BK

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

YELLOW ADHESIVE BENEATH 1" BROWN THRESHOLD

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-BK1, 498-KH-BK2, 498-KH-BK3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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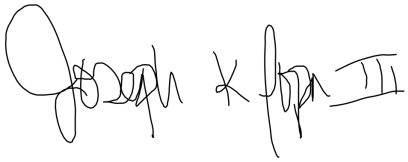
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-BK	YELLOW ADHESIVE BENEATH 1" BROWN THRESHOLD

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-BK1	0	YELLOW ADHESIVE BENEATH 1" BROWN THRESHOLD	See Sketch 498-KH-B
498-KH-BK2	0	YELLOW ADHESIVE BENEATH 1" BROWN THRESHOLD	See Sketch 498-KH-B
498-KH-BK3	0	YELLOW ADHESIVE BENEATH 1" BROWN THRESHOLD	See Sketch 498-KH-B

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/14/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-BK Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-535	498-KH-BK1	yellow	Yes	No	-	-	misc. part.	
					-	-	100	
498-536	498-KH-BK2	yellow	Yes	No	-	-	misc. part.	
					-	-	100	
498-537	498-KH-BK3	yellow	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
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Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/14/2017

Material ID and Description		Unified Sample Area Number
498-KH-BL	4" BLACK COVEBASE	498-KH-BL

Document Number	Drawing/Sketch Number	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

4" BLACK COVEBASE

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

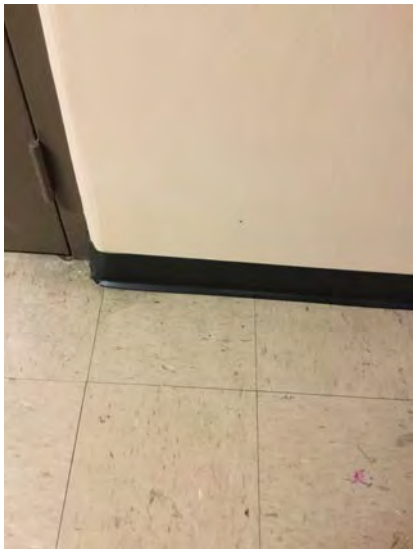
Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-BL1, 498-KH-BL2, 498-KH-BL3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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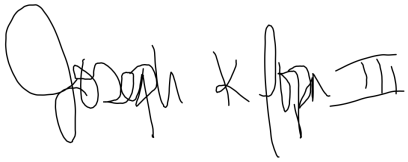
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-BL	4" BLACK COVEBASE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-BL1	0	4" BLACK COVEBASE	See Sketch 498-KH-B
498-KH-BL2	0	4" BLACK COVEBASE	See Sketch 498-KH-B
498-KH-BL3	0	4" BLACK COVEBASE	See Sketch 498-KH-B

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/14/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-BL Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-538	498-KH-BL1	black	Yes	No	-	-	misc. part.	
					-	-	100	
498-539	498-KH-BL2	black	Yes	No	-	-	misc. part.	
					-	-	100	
498-540	498-KH-BL3	black	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/14/2017

Material ID and Description		Unified Sample Area Number
498-KH-BM	BEIGE ADHESIVE BENEATH 4" BLACK COVEBASE	498-KH-BM

Document Number	Drawing/Sketch Number	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BEIGE ADHESIVE BENEATH 4" BLACK COVEBASE

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

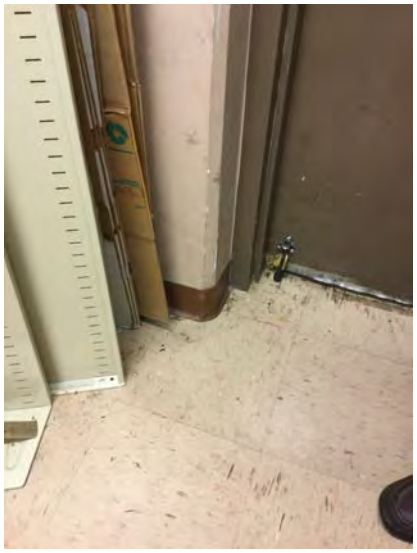
Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-BM1, 498-KH-BM2, 498-KH-BM3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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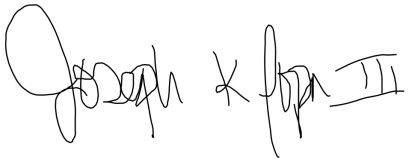
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-BM	BEIGE ADHESIVE BENEATH 4" BLACK COVEBASE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-BM1	0	BEIGE ADHESIVE BENEATH 4" BLACK COVEBASE	See Sketch 498-KH-B
498-KH-BM2	0	BEIGE ADHESIVE BENEATH 4" BLACK COVEBASE	See Sketch 498-KH-B
498-KH-BM3	0	BEIGE ADHESIVE BENEATH 4" BLACK COVEBASE	See Sketch 498-KH-B

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/14/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-BM Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-541	498-KH-BM1	beige	Yes	No	-	-	misc. part.	
					-	-	100	
498-542	498-KH-BM2	beige	Yes	No	-	-	misc. part.	
					-	-	100	
498-543	498-KH-BM3	beige	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/14/2017

Material ID and Description		Unified Sample Area Number
498-KH-BN(L1)	10" O. D. WHITE WRAP W/WHITE INSULATION TSI	498-KH-BN(L1)

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

10" O. D. WHITE WRAP W/WHITE INSULATION TSI

wrap layer

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-BN(L1)1, 498-KH-BN(L1)2, 498-KH-BN(L1)3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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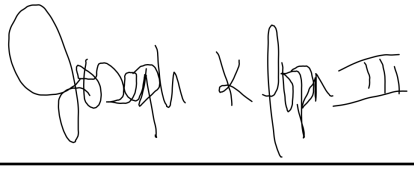
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-BN(L1)	10" O. D. WHITE WRAP W/WHITE INSULATION TSI

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-BN(L1)1	0	10" O. D. WHITE WRAP W/WHITE INSULATION TSI	See Sketch 498-KH-B
498-KH-BN(L1)2	0	10" O. D. WHITE WRAP W/WHITE INSULATION TSI	See Sketch 498-KH-B
498-KH-BN(L1)3	0	10" O. D. WHITE WRAP W/WHITE INSULATION TSI	See Sketch 498-KH-B

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/14/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-BN(L1) Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-544	498-KH-BN(L1)1	white	Yes	No	-	cellulose, fibrous	misc. part.	
					-	25	75	
498-545	498-KH-BN(L1)2	white	Yes	No	-	cellulose, fibrous	misc. part.	
					-	25	75	
498-546	498-KH-BN(L1)3	white	Yes	No	-	cellulose, fibrous	misc. part.	
					-	25	75	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/14/2017

Material ID and Description		Unified Sample Area Number
498-KH-BN(L2)	10" O. D. WHITE WRAP W/WHITE INSULATION TSI	498-KH-BN(L2)

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

10" O. D. WHITE WRAP W/WHITE INSULATION TSI

insulation layer

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-BN(L2)1, 498-KH-BN(L2)2, 498-KH-BN(L2)3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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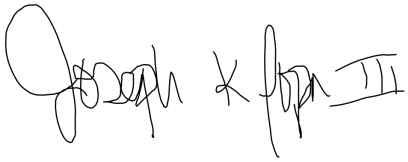
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-BN(L2)	10" O. D. WHITE WRAP W/WHITE INSULATION TSI

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-BN(L2)1	0	10" O. D. WHITE WRAP W/WHITE INSULATION TSI	See Sketch 498-KH-B
498-KH-BN(L2)2	0	10" O. D. WHITE WRAP W/WHITE INSULATION TSI	See Sketch 498-KH-B
498-KH-BN(L2)3	0	10" O. D. WHITE WRAP W/WHITE INSULATION TSI	See Sketch 498-KH-B

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/14/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-BN(L2) Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-547	498-KH-BN(L2)1	white	Yes	No	-	-	misc. part.	
					-	-	100	
498-548	498-KH-BN(L2)2	white	Yes	No	-	-	misc. part.	
					-	-	100	
498-549	498-KH-BN(L2)3	white	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/14/2017

Material ID and Description		Unified Sample Area Number
498-KH-BO(L1)	20" O. D. WHITE WRAP W/WHITE INSULATION TSI	498-KH-BO(L1)

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

20" O. D. WHITE WRAP W/WHITE INSULATION TSI

wrap layer

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-BO(L1)1, 498-KH-BO(L1)2, 498-KH-BO(L1)3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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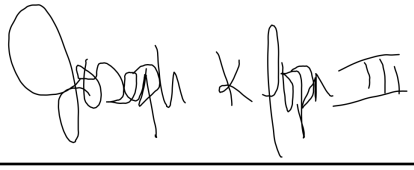
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-BO(L1)	20" O. D. WHITE WRAP W/WHITE INSULATION TSI

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-BO(L1)1	0	20" O. D. WHITE WRAP W/WHITE INSULATION TSI	See Sketch 498-KH-B
498-KH-BO(L1)2	0	20" O. D. WHITE WRAP W/WHITE INSULATION TSI	See Sketch 498-KH-B
498-KH-BO(L1)3	0	20" O. D. WHITE WRAP W/WHITE INSULATION TSI	See Sketch 498-KH-B

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/14/2017

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Phone (808) 671-8383 Fax (808) 671-7979

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-BO(L1) Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-550	498-KH-BO(L1)1	white	Yes	No	-	cellulose	misc. part.	
					-	25	75	
498-551	498-KH-BO(L1)2	white	Yes	No	-	cellulose	misc. part.	
					-	25	75	
498-552	498-KH-BO(L1)3	white	Yes	No	-	cellulose	misc. part.	
					-	25	75	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/14/2017

Material ID and Description		Unified Sample Area Number
498-KH-BO(L2)	20" O. D. WHITE WRAP W/WHITE INSULATION TSI	498-KH-BO(L2)

Document Number	Drawing/Sketch Number	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

20" O. D. WHITE WRAP W/WHITE INSULATION TSI

insulation layer

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-BO(L2)1, 498-KH-BO(L2)2, 498-KH-BO(L2)3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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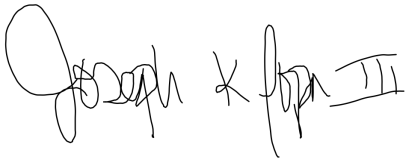
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-BO(L2)	20" O. D. WHITE WRAP W/WHITE INSULATION TSI

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-BO(L2)1	0	20" O. D. WHITE WRAP W/WHITE INSULATION TSI	See Sketch 498-KH-B
498-KH-BO(L2)2	0	20" O. D. WHITE WRAP W/WHITE INSULATION TSI	See Sketch 498-KH-B
498-KH-BO(L2)3	0	20" O. D. WHITE WRAP W/WHITE INSULATION TSI	See Sketch 498-KH-B

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/14/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-BO(L2) Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-553	498-KH-BO(L2)1	white	Yes	No	-	-	misc. part.	
					-	-	100	
498-554	498-KH-BO(L2)2	white	Yes	No	-	-	misc. part.	
					-	-	100	
498-555	498-KH-BO(L2)3	white	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/14/2017

Material ID and Description		Unified Sample Area Number
498-KH-BP(L1)	3" O. D. WHITE WRAP W/YELLOW INSULATION TSI	498-KH-BP(L1)

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

3" O. D. WHITE WRAP W/YELLOW INSULATION TSI

wrap layer

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-BP(L1)1, 498-KH-BP(L1)2, 498-KH-BP(L1)3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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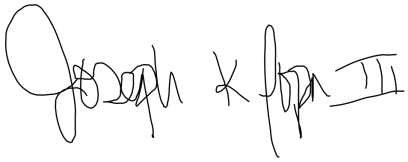
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-BP(L1)	3" O. D. WHITE WRAP W/YELLOW INSULATION TSI

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-BP(L1)1	0	3" O. D. WHITE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-B
498-KH-BP(L1)2	0	3" O. D. WHITE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-B
498-KH-BP(L1)3	0	3" O. D. WHITE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-B

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/14/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-BP(L1) Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-556	498-KH-BP(L1)1	white	Yes	No	-	cellulose	misc. part.	
					-	20	80	
498-557	498-KH-BP(L1)2	white	Yes	No	-	cellulose	misc. part.	
					-	20	80	
498-558	498-KH-BP(L1)3	white	Yes	No	-	cellulose	misc. part.	
					-	20	80	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/14/2017

Material ID and Description		Unified Sample Area Number
498-KH-BP(L2)	3" O. D. WHITE WRAP W/YELLOW INSULATION TSI	498-KH-BP(L2)

Document Number	Drawing/Sketch Number	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

3" O. D. WHITE WRAP W/YELLOW INSULATION TSI

insulation layer

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-BP(L2)1, 498-KH-BP(L2)2, 498-KH-BP(L2)3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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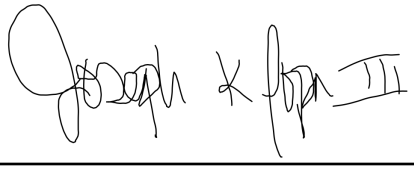
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-BP(L2)	3" O. D. WHITE WRAP W/YELLOW INSULATION TSI

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-BP(L2)1	0	3" O. D. WHITE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-B
498-KH-BP(L2)2	0	3" O. D. WHITE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-B
498-KH-BP(L2)3	0	3" O. D. WHITE WRAP W/YELLOW INSULATION TSI	See Sketch 498-KH-B

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/14/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP®

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

NVLAP LAB CODE 101807-0

Approved Signatory:

Sample/Homogeneous Area:	498-KH-BP(L2)	Analysis Date:	9/20/2017	Report Date:	9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-559	498-KH-BP(L2)1	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	
498-560	498-KH-BP(L2)2	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	
498-561	498-KH-BP(L2)3	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/14/2017

Material ID and Description		Unified Sample Area Number
498-KH-BQ	4" BROWN COVEBASE	498-KH-BQ

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

4" BROWN COVEBASE

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-BQ1, 498-KH-BQ2, 498-KH-BQ3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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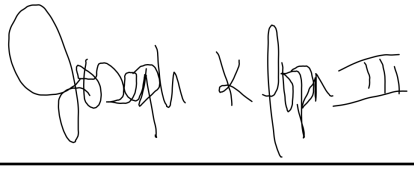
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-BQ	4" BROWN COVEBASE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-BQ1	0	4" BROWN COVEBASE	See Sketch 498-KH-B
498-KH-BQ2	0	4" BROWN COVEBASE	See Sketch 498-KH-B
498-KH-BQ3	0	4" BROWN COVEBASE	See Sketch 498-KH-B

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/14/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-BQ Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-562	498-KH-BQ1	brown	Yes	No	-	-	misc. part.	
					-	-	100	
498-563	498-KH-BQ2	brown	Yes	No	-	-	misc. part.	
					-	-	100	
498-564	498-KH-BQ3	brown	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/14/2017

Material ID and Description		Unified Sample Area Number
498-KH-BR	BROWN ADHESIVE BENEATH 4" BROWN COVEBASE	498-KH-BR

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BROWN ADHESIVE BENEATH 4" BROWN COVEBASE

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-BR1, 498-KH-BR2, 498-KH-BR3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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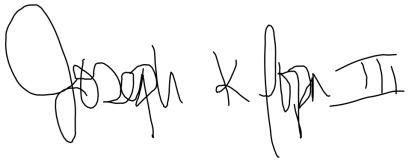
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-BR	BROWN ADHESIVE BENEATH 4" BROWN COVEBASE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-BR1	0	BROWN ADHESIVE BENEATH 4" BROWN COVEBASE	See Sketch 498-KH-B
498-KH-BR2	0	BROWN ADHESIVE BENEATH 4" BROWN COVEBASE	See Sketch 498-KH-B
498-KH-BR3	0	BROWN ADHESIVE BENEATH 4" BROWN COVEBASE	See Sketch 498-KH-B

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/14/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-BR Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-565	498-KH-BR1	brown	Yes	No	-	-	misc. part.	
					-	-	100	
498-566	498-KH-BR2	brown	Yes	No	-	-	misc. part.	
					-	-	100	
498-567	498-KH-BR3	brown	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/14/2017

Material ID and Description		Unified Sample Area Number
498-KH-BS	2' X 4' WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE	498-KH-BS

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

2' X 4' WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-BS1, 498-KH-BS2, 498-KH-BS3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH

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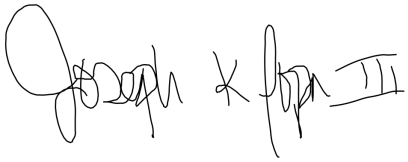
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-BS	2' X 4' WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-BS1	0	2' X 4' WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE	See Sketch 498-KH-B
498-KH-BS2	0	2' X 4' WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE	See Sketch 498-KH-B
498-KH-BS3	0	2' X 4' WHITE FISSURED PINHOLE ACOUSTICAL CEILING TILE	See Sketch 498-KH-B

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/14/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-BS Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-568	498-KH-BS1	white	Yes	No	-	-	misc. part.	
					-	-	100	
498-569	498-KH-BS2	white	Yes	No	-	-	misc. part.	
					-	-	100	
498-570	498-KH-BS3	white	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/14/2017

Material ID and Description		Unified Sample Area Number
498-KH-BT	18"X18" GREEN/YELLOW W/BROWN STONE PATTERN VFT	498-KH-BT

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

18"X18" GREEN/YELLOW W/BROWN STONE PATTERN VFT

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-BT1, 498-KH-BT2, 498-KH-BT3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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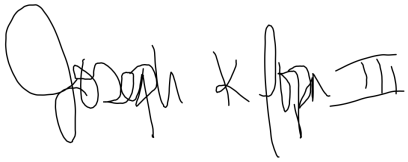
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-BT	18"X18" GREEN/YELLOW W/BROWN STONE PATTERN VFT

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-BT1	0	18"X18" GREEN/YELLOW W/BROWN STONE PATTERN VFT	See Sketch 498-KH-B
498-KH-BT2	0	18"X18" GREEN/YELLOW W/BROWN STONE PATTERN VFT	See Sketch 498-KH-B
498-KH-BT3	0	18"X18" GREEN/YELLOW W/BROWN STONE PATTERN VFT	See Sketch 498-KH-B

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/14/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-BT Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-571	498-KH-BT1	green/ yellow/ brown stone ptr	Yes	No	-	-	misc. part.	
					-	-	100	
498-572	498-KH-BT2	green/ yellow/ brown stone ptr	Yes	No	-	-	misc. part.	
					-	-	100	
498-573	498-KH-BT3	green/ yellow/ brown stone ptr	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/14/2017

Material ID and Description		Unified Sample Area Number
498-KH-BU	CLEAR ADHESIVE BENEATH 18"X18" GREEN/YELLOW W/BROWN STONE PATTERN	498-KH-BU

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

CLEAR ADHESIVE BENEATH 18"X18" GREEN/YELLOW W/BROWN STONE PATTERN VET

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-BU1, 498-KH-BU2, 498-KH-BU3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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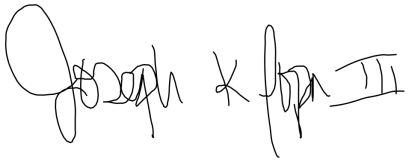
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-BU	CLEAR ADHESIVE BENEATH 18"X18" GREEN/YELLOW W/BROWN STONE PATTERN

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-BU1	0	CLEAR ADHESIVE BENEATH 18"X18" GREEN/YELLOW W/BROWN STONE PATTERN VFT	See Sketch 498-KH-B
498-KH-BU2	0	CLEAR ADHESIVE BENEATH 18"X18" GREEN/YELLOW W/BROWN STONE PATTERN VFT	See Sketch 498-KH-B
498-KH-BU3	0	CLEAR ADHESIVE BENEATH 18"X18" GREEN/YELLOW W/BROWN STONE PATTERN VFT	See Sketch 498-KH-B

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/14/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-BU Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-574	498-KH-BU1	clear	Yes	No	-	-	misc. part.	
					-	-	100	
498-575	498-KH-BU2	clear	Yes	No	-	-	misc. part.	
					-	-	100	
498-576	498-KH-BU3	clear	Yes	No	-	-	misc. part.	
					-	-	100	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/14/2017

Material ID and Description		Unified Sample Area Number
498-KH-BV	BEIGE W/YELLOW SPECKS SHEET VINYL FLOORING	498-KH-BV

Document Number	Drawing/Sketch Number	
	498-KH-B	498-KH-B

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BEIGE W/YELLOW SPECKS SHEET VINYL FLOORING

Location of Confirmed, Assumed, or New ACM within Building

See Sketch 498-KH-B

elevators

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface	240		
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:	±240		

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
None	Significant	None

Visible	Reachable	Texture
More than 10%	Within reach	smooth

Barriers	Ventilation	If Yes	Friable Surface	
None	Yes	Both	Yes	Hard

Air Movement	Proximity to Repair Items	Activity
Low	Less than 1 ft.	High

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-BV1, 498-KH-BV2, 498-KH-BV3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**YES**
Number of Salient Designations:	

PHOTOGRAPH



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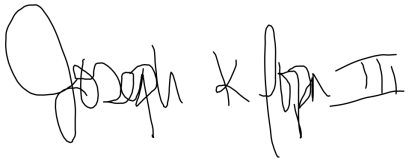
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-BV	BEIGE W/YELLOW SPECKS SHEET VINYL FLOORING

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-BV1	10	BEIGE W/YELLOW SPECKS SHEET VINYL FLOORING	See Sketch 498-KH-B
498-KH-BV2	10	BEIGE W/YELLOW SPECKS SHEET VINYL FLOORING	See Sketch 498-KH-B
498-KH-BV3	10	BEIGE W/YELLOW SPECKS SHEET VINYL FLOORING	See Sketch 498-KH-B

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/14/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP®

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

NVLAP LAB CODE 101807-0

Approved Signatory:

Sample/Homogeneous Area: 498-KH-BV Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-577	498-KH-BV1	beige w/ yellow specks	Yes	Yes	chrysotile 10	cellulose 10	misc. part. 80	
498-578	498-KH-BV2	beige w/ yellow specks	Yes	Yes	chrysotile 10	cellulose 10	misc. part. 80	
498-579	498-KH-BV3	beige w/ yellow specks	Yes	Yes	chrysotile 10	cellulose 10	misc. part. 80	

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Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

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Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name

KH	Ka'ahumanu Hale

For the ACM - Space Identified as:

498-KH-R

Building Location

777 Punchbowl Street
Honolulu, HI 96813

EMET ID

1511498

Inspection Date(s): 8/30/2017 - 9/14/2017

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACBM Present			Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Friable	T	DC	PD		
498-KH-RA(L1)	2" O. D. WHITE W/YELLOW INSULATION TSI		YES	NO ACM						
498-KH-RA(L2)	2" O. D. WHITE W/YELLOW INSULATION TSI		YES	NO ACM						
498-KH-RB(L1)	4" O. D. WHITE W/YELLOW INSULATION TSI		YES	NO ACM						
498-KH-RB(L2)	4" O. D. WHITE W/YELLOW INSULATION TSI		YES	NO ACM						
498-KH-RC(L1)	6" O. D. WHITE W/YELLOW INSULATION TSI		YES	NO ACM						
498-KH-RC(L2)	6" O. D. WHITE W/YELLOW INSULATION TSI		YES	NO ACM						

*** Refers to Material Type and Damage Conditions**

T = Material Type:	DC = Damage Condition:	PD = Potential Damage Condition:
S = Surfacing	ND = No Damage	NPD = No Potential Damage
M = Miscellaneous	D = Damaged	PD = ACBM w/ Potential Damage
T = Thermal Systems	SD = Significant Damage	PSD = Potential Significant Damage

**** Recommended Response Actions:**

1. Isolate area and restrict access. Remove or repair ASAP.
2. Continue Operations and Maintenance (O&M) program. Remove or repair ASAP or reduce potential for disturbance.

3-5. Repair, continue O&M. Lower number indicates higher priority if all repair cannot be done immediately.

6-7. Continue O&M. Take preventive measures to reduce disturbance. Number indicates priority for removal.

8. Continue O&M until major renovation or demolition requires removal under NESHAPS, or until hazard assessment factors change.

Note: An O&M program may include enclosure and encapsulation.

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Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name

KH | Ka'ahumanu Hale

For the ACM - Space Identified as:

498-KH-R

Building Location

777 Punchbowl Street
Honolulu, HI 96813

EMET ID

1511498

Inspection Date(s): 8/30/2017 - 9/14/2017

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACBM Present			Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Friable	T	DC	PD		
498-KH-RD(L1)	16" O. D. WHITE W/YELLOW INSULATION TSI		YES	NO ACM						
498-KH-RD(L2)	16" O. D. WHITE W/YELLOW INSULATION TSI		YES	NO ACM						
498-KH-RE	BLACK VIBRATION CLOTH		YES	NO ACM						
498-KH-RF	GRAY DUCT MASTIC		YES	NO ACM						
498-KH-RG	GRAY CAULKING AT DOOR FRAME		YES	NO ACM						
498-KH-RH	2' X 4' YELLOW CEILING INSULATION TILE		YES	NO ACM						

*** Refers to Material Type and Damage Conditions**

T = Material Type:	DC = Damage Condition:	PD = Potential Damage Condition:
S = Surfacing	ND = No Damage	NPD = No Potential Damage
M = Miscellaneous	D = Damaged	PD = ACBM w/ Potential Damage
T = Thermal Systems	SD = Significant Damage	PSD = Potential Significant Damage

**** Recommended Response Actions:**

1. Isolate area and restrict access. Remove or repair ASAP.
2. Continue Operations and Maintenance (O&M) program. Remove or repair ASAP or reduce potential for disturbance.

3-5. Repair, continue O&M. Lower number indicates higher priority if all repair cannot be done immediately.

6-7. Continue O&M. Take preventive measures to reduce disturbance. Number indicates priority for removal.

8. Continue O&M until major renovation or demolition requires removal under NESHAPS, or until hazard assessment factors change.

Note: An O&M program may include enclosure and encapsulation.

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Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name

KH | Ka'ahumanu Hale

For the ACM - Space Identified as:

498-KH-R

Building Location

777 Punchbowl Street
Honolulu, HI 96813

EMET ID

1511498

Inspection Date(s): 8/30/2017 - 9/14/2017

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACBM Present			Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Friable	T	DC	PD		
498-KH-RI	RED TEXTURED FLOORING		YES	NO ACM						
498-KH-RJ	GRAY CAULKING AT LOUVERED WINDOWS		YES	NO ACM						
498-KH-RK	BLACK CAULKING AT LOUVERED WINDOW FRAME		YES	NO ACM						
498-KH-RL	BEIGE MINERAL CAPSHEET BUILT-UP ROOFING SYSTEM	no samples collected, ASSUMED ACM	YES	ASSUMED						$0
498-KH-RM	GRAY MINERAL CAP SHEET ROOFING MATERIAL	no samples collected, ASSUMED ACM	YES	ASSUMED						$0
498-KH-RN	GRAY PATCH/SEALANT	no samples collected, ASSUMED ACM	YES	ASSUMED						$0

*** Refers to Material Type and Damage Conditions**

T = Material Type:	DC = Damage Condition:	PD = Potential Damage Condition:
S = Surfacing	ND = No Damage	NPD = No Potential Damage
M = Miscellaneous	D = Damaged	PD = ACBM w/ Potential Damage
T = Thermal Systems	SD = Significant Damage	PSD = Potential Significant Damage

**** Recommended Response Actions:**

1. Isolate area and restrict access. Remove or repair ASAP.
2. Continue Operations and Maintenance (O&M) program. Remove or repair ASAP or reduce potential for disturbance.

3-5. Repair, continue O&M. Lower number indicates higher priority if all repair cannot be done immediately.

6-7. Continue O&M. Take preventive measures to reduce disturbance. Number indicates priority for removal.

8. Continue O&M until major renovation or demolition requires removal under NESHAPS, or until hazard assessment factors change.

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Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name

KH | Ka'ahumanu Hale

For the ACM - Space Identified as:

498-KH-R

Building Location

777 Punchbowl Street
Honolulu, HI 96813

EMET ID

1511498

Inspection Date(s): 8/30/2017 - 9/14/2017

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACBM Present			Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Friable	T	DC	PD		
498-KH-RO	GRAY CAULKING AT FLASHING SEAMS	no samples collected, ASSUMED ACM	YES	ASSUMED						$0
498-KH-RP	BLACK CAULKING AT WALL FLASHING	no samples collected, ASSUMED ACM	YES	ASSUMED						$0
498-KH-RQ	BLACK PATCH/SEALANT	no samples collected, ASSUMED ACM	YES	ASSUMED						$0
498-KH-RR	LIGHT GRAY CAULKING AT DUCT AND SKYLIGHT SEAMS	no samples collected, ASSUMED ACM	YES	ASSUMED						$0
498-KH-RS	BLACK VIBRATION CLOTH	no samples collected, ASSUMED ACM	YES	ASSUMED						$0
498-KH-RT	WHITE CAULKING AT EXHAUST FAN BOLT HEADS	no samples collected, ASSUMED ACM	YES	ASSUMED						$0

*** Refers to Material Type and Damage Conditions**

T = Material Type:	DC = Damage Condition:	PD = Potential Damage Condition:
S = Surfacing	ND = No Damage	NPD = No Potential Damage
M = Miscellaneous	D = Damaged	PD = ACBM w/ Potential Damage
T = Thermal Systems	SD = Significant Damage	PSD = Potential Significant Damage

**** Recommended Response Actions:**

1. Isolate area and restrict access. Remove or repair ASAP.
2. Continue Operations and Maintenance (O&M) program. Remove or repair ASAP or reduce potential for disturbance.

3-5. Repair, continue O&M. Lower number indicates higher priority if all repair cannot be done immediately.

6-7. Continue O&M. Take preventive measures to reduce disturbance. Number indicates priority for removal.

8. Continue O&M until major renovation or demolition requires removal under NESHAPS, or until hazard assessment factors change.

Note: An O&M program may include enclosure and encapsulation.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/14/2017

Material ID and Description		Unified Sample Area Number
498-KH-RA(L1)	2" O. D. WHITE W/YELLOW INSULATION TSI	498-KH-RA(L1)

Document Number	Drawing/Sketch Number	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

2" O. D. WHITE W/YELLOW INSULATION TSI

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-RA(L1)1, 498-KH-RA(L1)2, 498-KH-RA(L1)3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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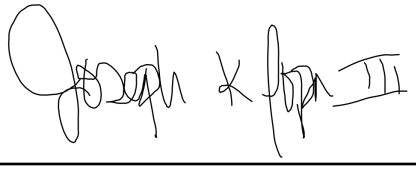
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-RA(L1)	2" O. D. WHITE W/YELLOW INSULATION TSI

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-RA(L1)1	0	2" O. D. WHITE W/YELLOW INSULATION TSI	See Sketch 498-KH-R
498-KH-RA(L1)2	0	2" O. D. WHITE W/YELLOW INSULATION TSI	See Sketch 498-KH-R
498-KH-RA(L1)3	0	2" O. D. WHITE W/YELLOW INSULATION TSI	See Sketch 498-KH-R

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/14/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-RA(L1) Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-580	498-KH-RA(L1)1	white	Yes	No	-	cellulose	misc. part.	
					-	20	80	
498-581	498-KH-RA(L1)2	white	Yes	No	-	cellulose	misc. part.	
					-	20	80	
498-582	498-KH-RA(L1)3	white	Yes	No	-	cellulose	misc. part.	
					-	20	80	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/14/2017

Material ID and Description		Unified Sample Area Number
498-KH-RA(L2)	2" O. D. WHITE W/YELLOW INSULATION TSI	498-KH-RA(L2)

Document Number	Drawing/Sketch Number	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

2" O. D. WHITE W/YELLOW INSULATION TSI

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-RA(L2)1, 498-KH-RA(L2)2, 498-KH-RA(L2)3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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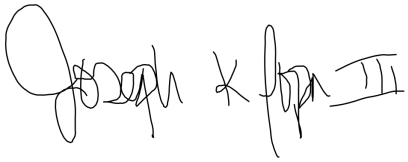
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-RA(L2)	2" O. D. WHITE W/YELLOW INSULATION TSI

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-RA(L2)1	0	2" O. D. WHITE W/YELLOW INSULATION TSI	See Sketch 498-KH-R
498-KH-RA(L2)2	0	2" O. D. WHITE W/YELLOW INSULATION TSI	See Sketch 498-KH-R
498-KH-RA(L2)3	0	2" O. D. WHITE W/YELLOW INSULATION TSI	See Sketch 498-KH-R

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/14/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-RA(L2) Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-583	498-KH-RA(L2)1	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	
498-584	498-KH-RA(L2)2	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	
498-585	498-KH-RA(L2)3	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/14/2017

Material ID and Description		Unified Sample Area Number
498-KH-RB(L1)	4" O. D. WHITE W/YELLOW INSULATION TSI	498-KH-RB(L1)

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

4" O. D. WHITE W/YELLOW INSULATION TSI

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-RB(L1)1, 498-KH-RB(L1)2, 498-KH-RB(L1)3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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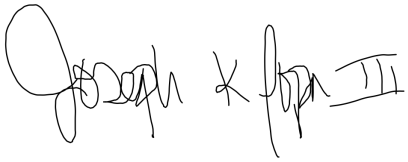
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-RB(L1)	4" O. D. WHITE W/YELLOW INSULATION TSI

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-RB(L1)1	0	4" O. D. WHITE W/YELLOW INSULATION TSI	See Sketch 498-KH-R
498-KH-RB(L1)2	0	4" O. D. WHITE W/YELLOW INSULATION TSI	See Sketch 498-KH-R
498-KH-RB(L1)3	0	4" O. D. WHITE W/YELLOW INSULATION TSI	See Sketch 498-KH-R

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/14/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-RB(L1) Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-586	498-KH-RB(L1)1	white	Yes	No	-	cellulose	misc. part.	
					-	25	75	
498-587	498-KH-RB(L1)2	white	Yes	No	-	cellulose	misc. part.	
					-	25	75	
498-588	498-KH-RB(L1)3	white	Yes	No	-	cellulose	misc. part.	
					-	25	75	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/14/2017

Material ID and Description		Unified Sample Area Number
498-KH-RB(L2)	4" O. D. WHITE W/YELLOW INSULATION TSI	498-KH-RB(L2)

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

4" O. D. WHITE W/YELLOW INSULATION TSI

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-RB(L2)1, 498-KH-RB(L2)2, 498-KH-RB(L2)3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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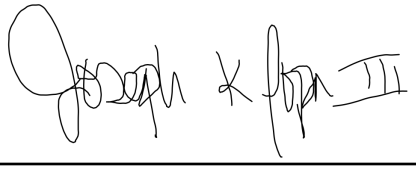
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-RB(L2)	4" O. D. WHITE W/YELLOW INSULATION TSI

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-RB(L2)1	0	4" O. D. WHITE W/YELLOW INSULATION TSI	See Sketch 498-KH-R
498-KH-RB(L2)2	0	4" O. D. WHITE W/YELLOW INSULATION TSI	See Sketch 498-KH-R
498-KH-RB(L2)3	0	4" O. D. WHITE W/YELLOW INSULATION TSI	See Sketch 498-KH-R

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/14/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-RB(L2) Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-589	498-KH-RB(L2)1	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	
498-590	498-KH-RB(L2)2	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	
498-591	498-KH-RB(L2)3	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/14/2017

Material ID and Description		Unified Sample Area Number
498-KH-RC(L1)	6" O. D. WHITE W/YELLOW INSULATION TSI	498-KH-RC(L1)

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

6" O. D. WHITE W/YELLOW INSULATION TSI

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-RC(L1)1, 498-KH-RC(L1)2, 498-KH-RC(L1)3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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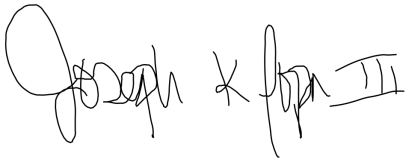
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-RC(L1)	6" O. D. WHITE W/YELLOW INSULATION TSI

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-RC(L1)1	0	6" O. D. WHITE W/YELLOW INSULATION TSI	See Sketch 498-KH-R
498-KH-RC(L1)2	0	6" O. D. WHITE W/YELLOW INSULATION TSI	See Sketch 498-KH-R
498-KH-RC(L1)3	0	6" O. D. WHITE W/YELLOW INSULATION TSI	See Sketch 498-KH-R

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/14/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-RC(L1) Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-592	498-KH-RC(L1)1	white	Yes	No	-	cellulose, fibrous	misc. part.	
					-	25	75	
498-593	498-KH-RC(L1)2	white	Yes	No	-	cellulose, fibrous	misc. part.	
					-	25	75	
498-594	498-KH-RC(L1)3	white	Yes	No	-	cellulose, fibrous	misc. part.	
					-	25	75	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/14/2017

Material ID and Description		Unified Sample Area Number
498-KH-RC(L2)	6" O. D. WHITE W/YELLOW INSULATION TSI	498-KH-RC(L2)

Document Number	Drawing/Sketch Number	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

6" O. D. WHITE W/YELLOW INSULATION TSI

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-RC(L2)1, 498-KH-RC(L2)2, 498-KH-RC(L2)3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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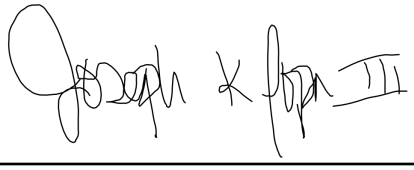
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-RC(L2)	6" O. D. WHITE W/YELLOW INSULATION TSI

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-RC(L2)1	0	6" O. D. WHITE W/YELLOW INSULATION TSI	See Sketch 498-KH-R
498-KH-RC(L2)2	0	6" O. D. WHITE W/YELLOW INSULATION TSI	See Sketch 498-KH-R
498-KH-RC(L2)3	0	6" O. D. WHITE W/YELLOW INSULATION TSI	See Sketch 498-KH-R

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/14/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP®

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

NVLAP LAB CODE 101807-0

Approved Signatory:

Sample/Homogeneous Area: 498-KH-RC(L2) Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-595	498-KH-RC(L2)1	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	
498-596	498-KH-RC(L2)2	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	
498-597	498-KH-RC(L2)3	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/14/2017

Material ID and Description		Unified Sample Area Number
498-KH-RD(L1)	16" O. D. WHITE W/YELLOW INSULATION TSI	498-KH-RD(L1)

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

16" O. D. WHITE W/YELLOW INSULATION TSI

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-RD(L1)1, 498-KH-RD(L1)2, 498-KH-RD(L1)3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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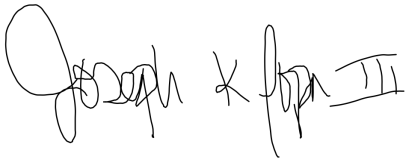
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-RD(L1)	16" O. D. WHITE W/YELLOW INSULATION TSI

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-RD(L1)1	0	16" O. D. WHITE W/YELLOW INSULATION TSI	See Sketch 498-KH-R
498-KH-RD(L1)2	0	16" O. D. WHITE W/YELLOW INSULATION TSI	See Sketch 498-KH-R
498-KH-RD(L1)3	0	16" O. D. WHITE W/YELLOW INSULATION TSI	See Sketch 498-KH-R

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/14/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-RD(L1) Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-598	498-KH-RD(L1)1	white	Yes	No	-	cellulose, fibrous	misc. part.	
					-	25	75	
498-599	498-KH-RD(L1)2	white	Yes	No	-	cellulose, fibrous	misc. part.	
					-	25	75	
498-600	498-KH-RD(L1)3	white	Yes	No	-	cellulose, fibrous	misc. part.	
					-	25	75	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/14/2017

Material ID and Description		Unified Sample Area Number
498-KH-RD(L2)	16" O. D. WHITE W/YELLOW INSULATION TSI	498-KH-RD(L2)

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

16" O. D. WHITE W/YELLOW INSULATION TSI

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-RD(L2)1, 498-KH-RD(L2)2, 498-KH-RD(L2)3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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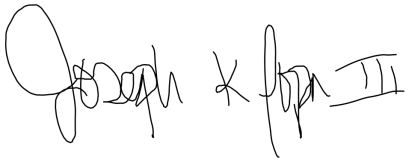
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-RD(L2)	16" O. D. WHITE W/YELLOW INSULATION TSI

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-RD(L2)1	0	16" O. D. WHITE W/YELLOW INSULATION TSI	See Sketch 498-KH-R
498-KH-RD(L2)2	0	16" O. D. WHITE W/YELLOW INSULATION TSI	See Sketch 498-KH-R
498-KH-RD(L2)3	0	16" O. D. WHITE W/YELLOW INSULATION TSI	See Sketch 498-KH-R

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/14/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP®

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

NVLAP LAB CODE 101807-0

Approved Signatory:

Sample/Homogeneous Area:	498-KH-RD(L2)	Analysis Date:	9/20/2017	Report Date:	9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-601	498-KH-RD(L2)1	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	
498-602	498-KH-RD(L2)2	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	
498-603	498-KH-RD(L2)3	yellow	Yes	No	-	fibrous glass	-	
					-	100	-	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/14/2017

Material ID and Description		Unified Sample Area Number
498-KH-RE	BLACK VIBRATION CLOTH	498-KH-RE

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BLACK VIBRATION CLOTH

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

painted beige

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-RE1, 498-KH-RE2, 498-KH-RE3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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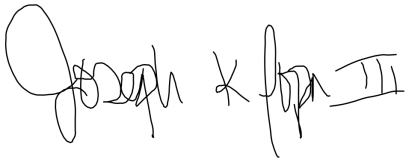
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-RE	BLACK VIBRATION CLOTH

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-RE1	0	BLACK VIBRATION CLOTH	See Sketch 498-KH-R
498-KH-RE2	0	BLACK VIBRATION CLOTH	See Sketch 498-KH-R
498-KH-RE3	0	BLACK VIBRATION CLOTH	See Sketch 498-KH-R

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/14/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-RE Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-604	498-KH-RE1	black	Yes	No	-	synthetic	misc. part.	
					-	20	80	
498-605	498-KH-RE2	black	Yes	No	-	synthetic	misc. part.	
					-	20	80	
498-606	498-KH-RE3	black	Yes	No	-	synthetic	misc. part.	
					-	20	80	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/14/2017

Material ID and Description		Unified Sample Area Number
498-KH-RF	GRAY DUCT MASTIC	498-KH-RF

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

GRAY DUCT MASTIC

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

some painted beige

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-RF1, 498-KH-RF2, 498-KH-RF3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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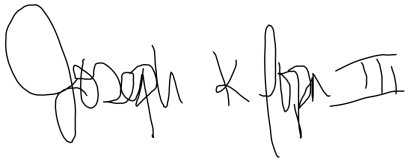
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-RF	GRAY DUCT MASTIC

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-RF1	0	GRAY DUCT MASTIC	See Sketch 498-KH-R
498-KH-RF2	0	GRAY DUCT MASTIC	See Sketch 498-KH-R
498-KH-RF3	0	GRAY DUCT MASTIC	See Sketch 498-KH-R

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/14/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-RF Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-607	498-KH-RF1	gray	Yes	No	-	-	misc. part.	
					-	-	100	
498-608	498-KH-RF2	gray	Yes	No	-	-	misc. part.	
					-	-	100	
498-609	498-KH-RF3	gray	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/14/2017

Material ID and Description		Unified Sample Area Number
498-KH-RG	GRAY CAULKING AT DOOR FRAME	498-KH-RG

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

GRAY CAULKING AT DOOR FRAME

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-RG1, 498-KH-RG2, 498-KH-RG3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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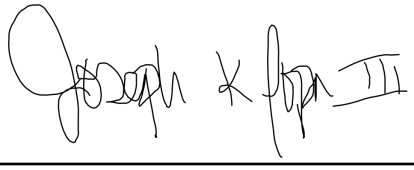
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-RG	GRAY CAULKING AT DOOR FRAME

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-RG1	0	GRAY CAULKING AT DOOR FRAME	See Sketch 498-KH-R
498-KH-RG2	0	GRAY CAULKING AT DOOR FRAME	See Sketch 498-KH-R
498-KH-RG3	0	GRAY CAULKING AT DOOR FRAME	See Sketch 498-KH-R

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/14/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-RG Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-610	498-KH-RG1	gray	Yes	No	-	-	misc. part.	
					-	-	100	
498-611	498-KH-RG2	gray	Yes	No	-	-	misc. part.	
					-	-	100	
498-612	498-KH-RG3	gray	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/14/2017

Material ID and Description		Unified Sample Area Number
498-KH-RH	2' X 4' YELLOW CEILING INSULATION TILE	498-KH-RH

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

2' X 4' YELLOW CEILING INSULATION TILE

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

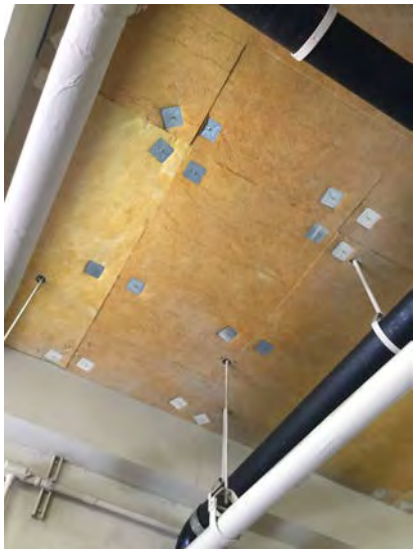
Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-RH1, 498-KH-RH2, 498-KH-RH3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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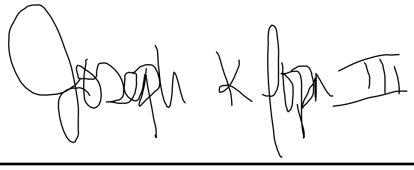
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-RH	2' X 4' YELLOW CEILING INSULATION TILE

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-RH1	0	2' X 4' YELLOW CEILING INSULATION TILE	See Sketch 498-KH-R
498-KH-RH2	0	2' X 4' YELLOW CEILING INSULATION TILE	See Sketch 498-KH-R
498-KH-RH3	0	2' X 4' YELLOW CEILING INSULATION TILE	See Sketch 498-KH-R

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/14/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP®

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

NVLAP LAB CODE 101807-0

Approved Signatory:

Sample/Homogeneous Area:	498-KH-RH	Analysis Date:	9/20/2017	Report Date:	9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-613	498-KH-RH1	yellow	Yes	No	- -	fibrous glass 90	misc. part. 10	
498-614	498-KH-RH2	yellow	Yes	No	- -	fibrous glass 90	misc. part. 10	
498-615	498-KH-RH3	yellow	Yes	No	- -	fibrous glass 90	misc. part. 10	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/14/2017

Material ID and Description		Unified Sample Area Number
498-KH-RI	RED TEXTURED FLOORING	498-KH-RI

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

RED TEXTURED FLOORING

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-RI1, 498-KH-RI2, 498-KH-RI3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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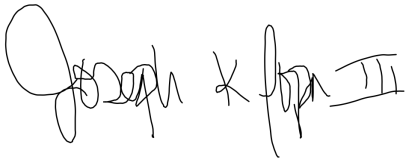
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-RI	RED TEXTURED FLOORING

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-RI1	0	RED TEXTURED FLOORING	See Sketch 498-KH-R
498-KH-RI2	0	RED TEXTURED FLOORING	See Sketch 498-KH-R
498-KH-RI3	0	RED TEXTURED FLOORING	See Sketch 498-KH-R

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/14/2017

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Phone (808) 671-8383 Fax (808) 671-7979

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-RI Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-616	498-KH-RI1	red	Yes	No	-	-	misc. part.	
					-	-	100	
498-617	498-KH-RI2	red	Yes	No	-	-	misc. part.	
					-	-	100	
498-618	498-KH-RI3	red	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/14/2017

Material ID and Description		Unified Sample Area Number
498-KH-RJ	GRAY CAULKING AT LOUVERED WINDOWS	498-KH-RJ

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

GRAY CAULKING AT LOUVERED WINDOWS

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

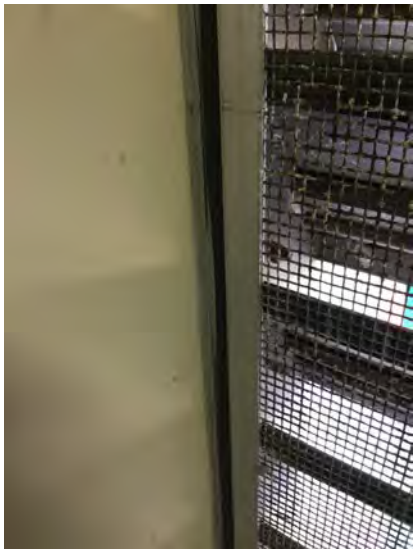
Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-RJ1, 498-KH-RJ2, 498-KH-RJ3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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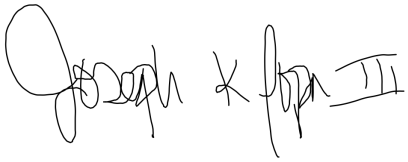
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-RJ	GRAY CAULKING AT LOUVERED WINDOWS

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-RJ1	0	GRAY CAULKING AT LOUVERED WINDOWS	See Sketch 498-KH-R
498-KH-RJ2	0	GRAY CAULKING AT LOUVERED WINDOWS	See Sketch 498-KH-R
498-KH-RJ3	0	GRAY CAULKING AT LOUVERED WINDOWS	See Sketch 498-KH-R

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/14/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-RJ Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-619	498-KH-RJ1	gray	Yes	No	-	-	misc. part.	
					-	-	100	
498-620	498-KH-RJ2	gray	Yes	No	-	-	misc. part.	
					-	-	100	
498-621	498-KH-RJ3	gray	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. *Laboratory test report relates only to items tested. *Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.	*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques. *Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/14/2017

Material ID and Description		Unified Sample Area Number
498-KH-RK	BLACK CAULKING AT LOUVERED WINDOW FRAME	498-KH-RK

Document Number	Drawing/Sketch Number	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BLACK CAULKING AT LOUVERED WINDOW FRAME

Location of Confirmed, Assumed, or New ACM within Building

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
- -	- -	- -

Visible	Reachable	Texture
- -	- -	- -

Barriers	Ventilation	If Yes	Friable Surface	
- -	- -	- -	- -	- -

Air Movement	Proximity to Repair Items	Activity
- -	- -	- -

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Samples Collected by	EMET
Sample Numbers	498-KH-RK1, 498-KH-RK2, 498-KH-RK3
Total Number of Samples Analyzed	3
Samples Analyzed by	EMET
ASBESTOS-CONTAINING MATERIAL ?	**NO**
Number of Salient Designations:	

PHOTOGRAPH



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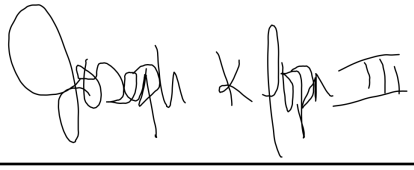
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Sample Log and Notes

Building Number and Name		EMET ID
KH	Ka'ahumanu Hale	1511498

Sample Area/Lot Number and Name	
498-KH-RK	BLACK CAULKING AT LOUVERED WINDOW FRAME

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
498-KH-RK1	0	BLACK CAULKING AT LOUVERED WINDOW FRAME	See Sketch 498-KH-R
498-KH-RK2	0	BLACK CAULKING AT LOUVERED WINDOW FRAME	See Sketch 498-KH-R
498-KH-RK3	0	BLACK CAULKING AT LOUVERED WINDOW FRAME	See Sketch 498-KH-R

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		9/14/2017

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LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

NVLAP LAB CODE 101807-0

Client: RMA Architects, Inc.

Address: 1150 South King Street, 8th Floor
Honolulu, HI 96814

Building: Ka'ahumanu Hale

Address: 417 South King Street
Honolulu, HI 96813

Approved Signatory:

Sample/Homogeneous Area: 498-KH-RK Analysis Date: 9/20/2017 Report Date: 9/20/2017

Lab ID	Sample ID	Color	Homogeneity	Asbestos Detected	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	Comments
498-622	498-KH-RK1	black	Yes	No	-	-	misc. part.	
					-	-	100	
498-623	498-KH-RK2	black	Yes	No	-	-	misc. part.	
					-	-	100	
498-624	498-KH-RK3	black	Yes	No	-	-	misc. part.	
					-	-	100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/14/2017

Material ID and Description		Unified Sample Area Number
498-KH-RL	BEIGE MINERAL CAPSHEET BUILT-UP ROOFING SYSTEM	498-KH-RL

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BEIGE MINERAL CAPSHEET BUILT-UP ROOFING SYSTEM

no samples collected, ASSUMED ACM

Location of Confirmed, Assumed, or New ACM within Building

See Sketch

main roof

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage

Visible	Reachable	Texture

Barriers	Ventilation	If Yes	Friable Surface	

Air Movement	Proximity to Repair Items	Activity

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	0
Samples Collected by	Other
Sample Numbers	
Total Number of Samples Analyzed	0
Samples Analyzed by	Other
ASBESTOS-CONTAINING MATERIAL ?	**Assumed**
Number of Salient Designations:	

PHOTOGRAPH



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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/14/2017

Material ID and Description		Unified Sample Area Number
498-KH-RM	GRAY MINERAL CAP SHEET ROOFING MATERIAL	498-KH-RM

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

GRAY MINERAL CAP SHEET ROOFING MATERIAL

no samples collected, ASSUMED ACM

Location of Confirmed, Assumed, or New ACM within Building

See Sketch

main roof

SAMPLING STRATEGY DATA

Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage

Visible	Reachable	Texture

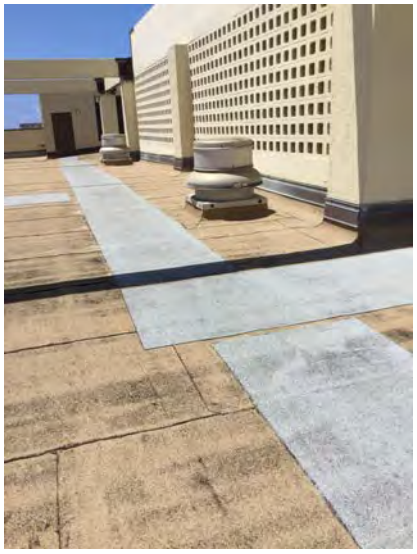
Barriers	Ventilation	If Yes	Friable Surface	

Air Movement	Proximity to Repair Items	Activity

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	0
Samples Collected by	Other
Sample Numbers	
Total Number of Samples Analyzed	0
Samples Analyzed by	Other
ASBESTOS-CONTAINING MATERIAL ?	**Assumed**
Number of Salient Designations:	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/14/2017

Material ID and Description		Unified Sample Area Number
498-KH-RN	GRAY PATCH/SEALANT	498-KH-RN

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

GRAY PATCH/SEALANT

no samples collected, ASSUMED ACM

Location of Confirmed, Assumed, or New ACM within Building

See Sketch

main roof

SAMPLING STRATEGY DATA

Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage

Visible	Reachable	Texture

Barriers	Ventilation	If Yes	Friable Surface	

Air Movement	Proximity to Repair Items	Activity

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	0
Samples Collected by	Other
Sample Numbers	
Total Number of Samples Analyzed	0
Samples Analyzed by	Other
ASBESTOS-CONTAINING MATERIAL ?	**Assumed**
Number of Salient Designations:	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/14/2017

Material ID and Description		Unified Sample Area Number
498-KH-RO	GRAY CAULKING AT FLASHING SEAMS	498-KH-RO

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

GRAY CAULKING AT FLASHING SEAMS

no samples collected, ASSUMED ACM

Location of Confirmed, Assumed, or New ACM within Building

See Sketch

main roof

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage

Visible	Reachable	Texture

Barriers	Ventilation	If Yes	Friable Surface	

Air Movement	Proximity to Repair Items	Activity

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	0
Samples Collected by	Other
Sample Numbers	
Total Number of Samples Analyzed	0
Samples Analyzed by	Other
ASBESTOS-CONTAINING MATERIAL ?	**Assumed**
Number of Salient Designations:	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/14/2017

Material ID and Description		Unified Sample Area Number
498-KH-RP	BLACK CAULKING AT WALL FLASHING	498-KH-RP

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BLACK CAULKING AT WALL FLASHING

no samples collected, ASSUMED ACM

Location of Confirmed, Assumed, or New ACM within Building

See Sketch

main roof

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage

Visible	Reachable	Texture

Barriers	Ventilation	If Yes	Friable Surface	

Air Movement	Proximity to Repair Items	Activity

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	0
Samples Collected by	Other
Sample Numbers	
Total Number of Samples Analyzed	0
Samples Analyzed by	Other
ASBESTOS-CONTAINING MATERIAL ?	**Assumed**
Number of Salient Designations:	

PHOTOGRAPH



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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/14/2017

Material ID and Description		Unified Sample Area Number
498-KH-RQ	BLACK PATCH/SEALANT	498-KH-RQ

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BLACK PATCH/SEALANT

no samples collected, ASSUMED ACM

Location of Confirmed, Assumed, or New ACM within Building

See Sketch

main roof

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage

Visible	Reachable	Texture

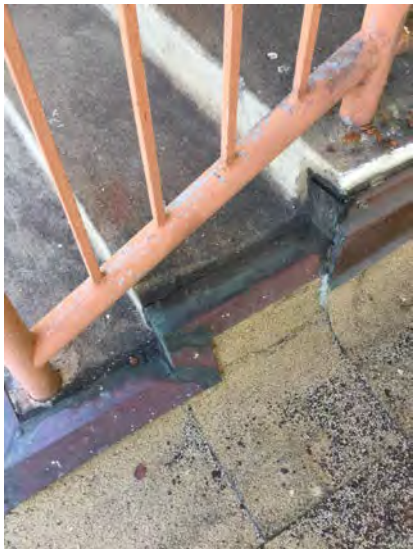
Barriers	Ventilation	If Yes	Friable Surface	

Air Movement	Proximity to Repair Items	Activity

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	0
Samples Collected by	Other
Sample Numbers	
Total Number of Samples Analyzed	0
Samples Analyzed by	Other
ASBESTOS-CONTAINING MATERIAL ?	**Assumed**
Number of Salient Designations:	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/14/2017

Material ID and Description		Unified Sample Area Number
498-KH-RR	LIGHT GRAY CAULKING AT DUCT AND SKYLIGHT SEAMS	498-KH-RR

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

LIGHT GRAY CAULKING AT DUCT AND SKYLIGHT SEAMS

no samples collected, ASSUMED ACM

Location of Confirmed, Assumed, or New ACM within Building

See Sketch

main roof

SAMPLING STRATEGY DATA

Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

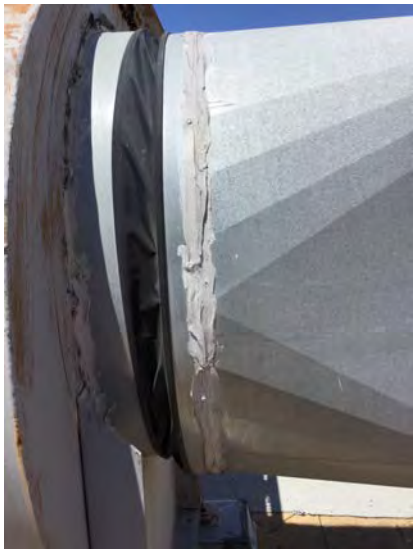
RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
Visible	Reachable	Texture
Barriers	Ventilation / If Yes	Friable Surface
Air Movement	Proximity to Repair Items	Activity

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	0
Samples Collected by	Other
Sample Numbers	
Total Number of Samples Analyzed	0
Samples Analyzed by	Other
ASBESTOS-CONTAINING MATERIAL ?	**Assumed**
Number of Salient Designations:	

PHOTOGRAPH



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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/14/2017

Material ID and Description		Unified Sample Area Number
498-KH-RS	BLACK VIBRATION CLOTH	498-KH-RS

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BLACK VIBRATION CLOTH

no samples collected, ASSUMED ACM

Location of Confirmed, Assumed, or New ACM within Building

See Sketch

main roof

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage

Visible	Reachable	Texture

Barriers	Ventilation	If Yes	Friable Surface	

Air Movement	Proximity to Repair Items	Activity

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	0
Samples Collected by	Other
Sample Numbers	
Total Number of Samples Analyzed	0
Samples Analyzed by	Other
ASBESTOS-CONTAINING MATERIAL ?	**Assumed**
Number of Salient Designations:	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/14/2017

Material ID and Description		Unified Sample Area Number
498-KH-RT	WHITE CAULKING AT EXHAUST FAN BOLT HEADS	498-KH-RT

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

WHITE CAULKING AT EXHAUST FAN BOLT HEADS

no samples collected, ASSUMED ACM

Location of Confirmed, Assumed, or New ACM within Building

See Sketch

main roof

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage

Visible	Reachable	Texture

Barriers	Ventilation	If Yes	Friable Surface	

Air Movement	Proximity to Repair Items	Activity

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	0
Samples Collected by	Other
Sample Numbers	
Total Number of Samples Analyzed	0
Samples Analyzed by	Other
ASBESTOS-CONTAINING MATERIAL ?	**Assumed**
Number of Salient Designations:	

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Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name

KH | Ka'ahumanu Hale

For the ACM - Space Identified as:

498-KH-HR

Building Location

777 Punchbowl Street
Honolulu, HI 96813

EMET ID

1511498

Inspection Date(s): 8/30/2017 - 9/14/2017

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACBM Present			Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Friable	T	DC	PD		
498-KH-HRA	BEIGE MINERAL CAPSHEET BUILT-UP ROOFING SYSTEM	no samples collected, ASSUMED ACM	YES	ASSUMED						$0
498-KH-HRB	GRAY PATCH/SEALANT	no samples collected, ASSUMED ACM	YES	ASSUMED						$0
498-KH-HRC	GRAY CAULKING AT PITCH POCKET	no samples collected, ASSUMED ACM	YES	ASSUMED						$0

*** Refers to Material Type and Damage Conditions**

T = Material Type:	DC = Damage Condition:	PD = Potential Damage Condition:
S = Surfacing	ND = No Damage	NPD = No Potential Damage
M = Miscellaneous	D = Damaged	PD = ACBM w/ Potential Damage
T = Thermal Systems	SD = Significant Damage	PSD = Potential Significant Damage

**** Recommended Response Actions:**

1. Isolate area and restrict access. Remove or repair ASAP.
2. Continue Operations and Maintenance (O&M) program. Remove or repair ASAP or reduce potential for disturbance.

3-5. Repair, continue O&M. Lower number indicates higher priority if all repair cannot be done immediately.

6-7. Continue O&M. Take preventive measures to reduce disturbance. Number indicates priority for removal.

8. Continue O&M until major renovation or demolition requires removal under NESHAPS, or until hazard assessment factors change.

Note: An O&M program may include enclosure and encapsulation.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/17/2017

Material ID and Description		Unified Sample Area Number
498-KH-HRA	BEIGE MINERAL CAPSHEET BUILT-UP ROOFING SYSTEM	498-KH-HRA

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BEIGE MINERAL CAPSHEET BUILT-UP ROOFING SYSTEM

no samples collected, ASSUMED ACM

Location of Confirmed, Assumed, or New ACM within Building

See Sketch

high roofs over elevator and mechanical rooms

SAMPLING STRATEGY DATA

Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage

Visible	Reachable	Texture

Barriers	Ventilation	If Yes	Friable Surface	

Air Movement	Proximity to Repair Items	Activity

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	0
Samples Collected by	Other
Sample Numbers	
Total Number of Samples Analyzed	0
Samples Analyzed by	Other
ASBESTOS-CONTAINING MATERIAL ?	**Assumed**
Number of Salient Designations:	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/17/2017

Material ID and Description		Unified Sample Area Number
498-KH-HRB	GRAY PATCH/SEALANT	498-KH-HRB

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

GRAY PATCH/SEALANT

no samples collected, ASSUMED ACM

Location of Confirmed, Assumed, or New ACM within Building

See Sketch

high roofs over elevator and mechanical rooms

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage

Visible	Reachable	Texture

Barriers	Ventilation	If Yes	Friable Surface	

Air Movement	Proximity to Repair Items	Activity

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	0
Samples Collected by	Other
Sample Numbers	
Total Number of Samples Analyzed	0
Samples Analyzed by	Other
ASBESTOS-CONTAINING MATERIAL ?	**Assumed**
Number of Salient Designations:	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/17/2017

Material ID and Description		Unified Sample Area Number
498-KH-HRC	GRAY CAULKING AT PITCH POCKET	498-KH-HRC

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

GRAY CAULKING AT PITCH POCKET

no samples collected, ASSUMED ACM

Location of Confirmed, Assumed, or New ACM within Building

See Sketch

high roofs over elevator and mechanical rooms

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage

Visible	Reachable	Texture

Barriers	Ventilation	If Yes	Friable Surface	

Air Movement	Proximity to Repair Items	Activity

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	0
Samples Collected by	Other
Sample Numbers	
Total Number of Samples Analyzed	0
Samples Analyzed by	Other
ASBESTOS-CONTAINING MATERIAL ?	**Assumed**
Number of Salient Designations:	

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Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name

KH | Ka'ahumanu Hale

For the ACM - Space Identified as:

498-KH-LR

Building Location

777 Punchbowl Street
Honolulu, HI 96813

EMET ID

1511498

Inspection Date(s): 8/30/2017 - 9/14/2017

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACBM Present			Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Friable	T	DC	PD		
498-KH-LRA	GRAY WEATHER MEMBRANE BUILT-UP ROOFING SYSTEM	no samples collected, ASSUMED ACM	YES	ASSUMED						$0
498-KH-LRB	GRAY CAULKING AT FLASHING SEAMS	no samples collected, ASSUMED ACM	YES	ASSUMED						$0
498-KH-LRC	BLACK CAULKING AT FLASHING	no samples collected, ASSUMED ACM	YES	ASSUMED						$0

*** Refers to Material Type and Damage Conditions**

T = Material Type:	DC = Damage Condition:	PD = Potential Damage Condition:
S = Surfacing	ND = No Damage	NPD = No Potential Damage
M = Miscellaneous	D = Damaged	PD = ACBM w/ Potential Damage
T = Thermal Systems	SD = Significant Damage	PSD = Potential Significant Damage

**** Recommended Response Actions:**

1. Isolate area and restrict access. Remove or repair ASAP.
2. Continue Operations and Maintenance (O&M) program. Remove or repair ASAP or reduce potential for disturbance.

3-5. Repair, continue O&M. Lower number indicates higher priority if all repair cannot be done immediately.

6-7. Continue O&M. Take preventive measures to reduce disturbance. Number indicates priority for removal.

8. Continue O&M until major renovation or demolition requires removal under NESHAPS, or until hazard assessment factors change.

Note: An O&M program may include enclosure and encapsulation.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/17/2017

Material ID and Description		Document Number	Unified Sample Area Number
498-KH-LRA	GRAY WEATHER MEMBRANE BUILT-UP ROOFING SYSTEM		498-KH-LRA

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

GRAY WEATHER MEMBRANE BUILT-UP ROOFING SYSTEM

no samples collected, ASSUMED ACM

Location of Confirmed, Assumed, or New ACM within Building

See Sketch

lower roofs at 2nd and 3rd floors

SAMPLING STRATEGY DATA

Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage

Visible	Reachable	Texture

Barriers	Ventilation	If Yes	Friable Surface	

Air Movement	Proximity to Repair Items	Activity

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	0
Samples Collected by	Other
Sample Numbers	
Total Number of Samples Analyzed	0
Samples Analyzed by	Other
ASBESTOS-CONTAINING MATERIAL ?	**Assumed**
Number of Salient Designations:	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/17/2017

Material ID and Description		Unified Sample Area Number
498-KH-LRB	GRAY CAULKING AT FLASHING SEAMS	498-KH-LRB

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

GRAY CAULKING AT FLASHING SEAMS

no samples collected, ASSUMED ACM

Location of Confirmed, Assumed, or New ACM within Building

See Sketch

lower roofs at 2nd and 3rd floors

SAMPLING STRATEGY DATA

Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage

Visible	Reachable	Texture

Barriers	Ventilation	If Yes	Friable Surface	

Air Movement	Proximity to Repair Items	Activity

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	0
Samples Collected by	Other
Sample Numbers	
Total Number of Samples Analyzed	0
Samples Analyzed by	Other
ASBESTOS-CONTAINING MATERIAL ?	**Assumed**
Number of Salient Designations:	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/17/2017

Material ID and Description		Unified Sample Area Number
498-KH-LRC	BLACK CAULKING AT FLASHING	498-KH-LRC

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BLACK CAULKING AT FLASHING

no samples collected, ASSUMED ACM

Location of Confirmed, Assumed, or New ACM within Building

See Sketch

lower roofs at 2nd and 3rd floors

SAMPLING STRATEGY DATA

Ceiling Height #1 / #2	
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage

Visible	Reachable	Texture

Barriers	Ventilation	If Yes	Friable Surface	

Air Movement	Proximity to Repair Items	Activity

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	0
Samples Collected by	Other
Sample Numbers	
Total Number of Samples Analyzed	0
Samples Analyzed by	Other
ASBESTOS-CONTAINING MATERIAL ?	**Assumed**
Number of Salient Designations:	

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Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name

KH	Ka'ahumanu Hale

For the ACM - Space Identified as:

498-KH-LMR

Building Location

777 Punchbowl Street
Honolulu, HI 96813

EMET ID

1511498

Inspection Date(s): 8/30/2017 - 9/14/2017

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACBM Present			Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Friable	T	DC	PD		
498-KH-LMRA	TAN MINERAL CAPSHEET BUILT-UP ROOFING SYSTEM	no samples collected, ASSUMED ACM	YES	ASSUMED						$0
498-KH-LMRB	GRAY CAULKING AT WALL FLASHING	no samples collected, ASSUMED ACM	YES	ASSUMED						$0
498-KH-LMRC	BLACK CAULKING AT WALL FLASHING	no samples collected, ASSUMED ACM	YES	ASSUMED						$0
498-KH-LMRD	BLACK VIBRATION CLOTH	no samples collected, ASSUMED ACM	YES	ASSUMED						$0
498-KH-LMRE	TAN PAINTED BLACK PATCH/SEALANT	no samples collected, ASSUMED ACM	YES	ASSUMED						$0
498-KH-LMRF	8" O. D. SILVER WRAP W/WHITE INSULATION TSI	no samples collected, ASSUMED ACM	YES	ASSUMED						$0

*** Refers to Material Type and Damage Conditions**

T = Material Type:	DC = Damage Condition:	PD = Potential Damage Condition:
S = Surfacing	ND = No Damage	NPD = No Potential Damage
M = Miscellaneous	D = Damaged	PD = ACBM w/ Potential Damage
T = Thermal Systems	SD = Significant Damage	PSD = Potential Significant Damage

**** Recommended Response Actions:**

1. Isolate area and restrict access. Remove or repair ASAP.
2. Continue Operations and Maintenance (O&M) program. Remove or repair ASAP or reduce potential for disturbance.

3-5. Repair, continue O&M. Lower number indicates higher priority if all repair cannot be done immediately.

6-7. Continue O&M. Take preventive measures to reduce disturbance. Number indicates priority for removal.

8. Continue O&M until major renovation or demolition requires removal under NESHAPS, or until hazard assessment factors change.

Note: An O&M program may include enclosure and encapsulation.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/17/2017

Material ID and Description		Unified Sample Area Number
498-KH-LMRA	TAN MINERAL CAPSHEET BUILT-UP ROOFING SYSTEM	498-KH-LMRA

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

TAN MINERAL CAPSHEET BUILT-UP ROOFING SYSTEM

no samples collected, ASSUMED ACM

Location of Confirmed, Assumed, or New ACM within Building

See Sketch

lower (1st fl) mechanical room roof

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage

Visible	Reachable	Texture

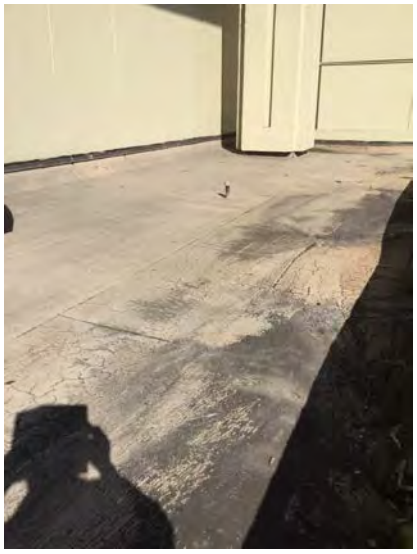
Barriers	Ventilation	If Yes	Friable Surface	

Air Movement	Proximity to Repair Items	Activity

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	0
Samples Collected by	Other
Sample Numbers	
Total Number of Samples Analyzed	0
Samples Analyzed by	Other
ASBESTOS-CONTAINING MATERIAL ?	**Assumed**
Number of Salient Designations:	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/17/2017

Material ID and Description		Unified Sample Area Number
498-KH-LMRB	GRAY CAULKING AT WALL FLASHING	498-KH-LMRB

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

GRAY CAULKING AT WALL FLASHING

no samples collected, ASSUMED ACM

Location of Confirmed, Assumed, or New ACM within Building

See Sketch

lower (1st fl) mechanical room roof

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage

Visible	Reachable	Texture

Barriers	Ventilation	If Yes	Friable Surface	

Air Movement	Proximity to Repair Items	Activity

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	0
Samples Collected by	Other
Sample Numbers	
Total Number of Samples Analyzed	0
Samples Analyzed by	Other
ASBESTOS-CONTAINING MATERIAL ?	**Assumed**
Number of Salient Designations:	

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/17/2017

Material ID and Description		Unified Sample Area Number
498-KH-LMRC	BLACK CAULKING AT WALL FLASHING	498-KH-LMRC

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BLACK CAULKING AT WALL FLASHING

no samples collected, ASSUMED ACM

Location of Confirmed, Assumed, or New ACM within Building

See Sketch

lower (1st fl) mechanical room roof

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage

Visible	Reachable	Texture

Barriers	Ventilation	If Yes	Friable Surface	

Air Movement	Proximity to Repair Items	Activity

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	0
Samples Collected by	Other
Sample Numbers	
Total Number of Samples Analyzed	0
Samples Analyzed by	Other
ASBESTOS-CONTAINING MATERIAL ?	**Assumed**
Number of Salient Designations:	

PHOTOGRAPH



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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/17/2017

Material ID and Description		Unified Sample Area Number
498-KH-LMRD	BLACK VIBRATION CLOTH	498-KH-LMRD

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

BLACK VIBRATION CLOTH

no samples collected, ASSUMED ACM

Location of Confirmed, Assumed, or New ACM within Building

See Sketch

lower (1st fl) mechanical room roof

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage

Visible	Reachable	Texture

Barriers	Ventilation	If Yes	Friable Surface	

Air Movement	Proximity to Repair Items	Activity

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	0
Samples Collected by	Other
Sample Numbers	
Total Number of Samples Analyzed	0
Samples Analyzed by	Other
ASBESTOS-CONTAINING MATERIAL ?	**Assumed**
Number of Salient Designations:	

PHOTOGRAPH



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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/17/2017

Material ID and Description		Document Number	Unified Sample Area Number
498-KH-LMRE	TAN PAINTED BLACK PATCH/SEALANT		498-KH-LMRE

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

TAN PAINTED BLACK PATCH/SEALANT

no samples collected, ASSUMED ACM

Location of Confirmed, Assumed, or New ACM within Building

See Sketch

lower (1st fl) mechanical room roof

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage

Visible	Reachable	Texture

Barriers	Ventilation	If Yes	Friable Surface	

Air Movement	Proximity to Repair Items	Activity

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	0
Samples Collected by	Other
Sample Numbers	
Total Number of Samples Analyzed	0
Samples Analyzed by	Other
ASBESTOS-CONTAINING MATERIAL ?	**Assumed**
Number of Salient Designations:	

PHOTOGRAPH



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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1511498	KH	Ka'ahumanu Hale	9/17/2017

Material ID and Description		Unified Sample Area Number
498-KH-LMRF	8" O. D. SILVER WRAP W/WHITE INSULATION TSI	498-KH-LMRF

Document Number:

Drawing/Sketch Number:

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

8" O. D. SILVER WRAP W/WHITE INSULATION TSI

no samples collected, ASSUMED ACM

Location of Confirmed, Assumed, or New ACM within Building

See Sketch

lower (1st fl) mechanical room roof

SAMPLING STRATEGY DATA

Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage

Visible	Reachable	Texture

Barriers	Ventilation	If Yes	Friable Surface	

Air Movement	Proximity to Repair Items	Activity

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	0
Samples Collected by	Other
Sample Numbers	
Total Number of Samples Analyzed	0
Samples Analyzed by	Other
ASBESTOS-CONTAINING MATERIAL ?	**Assumed**
Number of Salient Designations:	

PHOTOGRAPH



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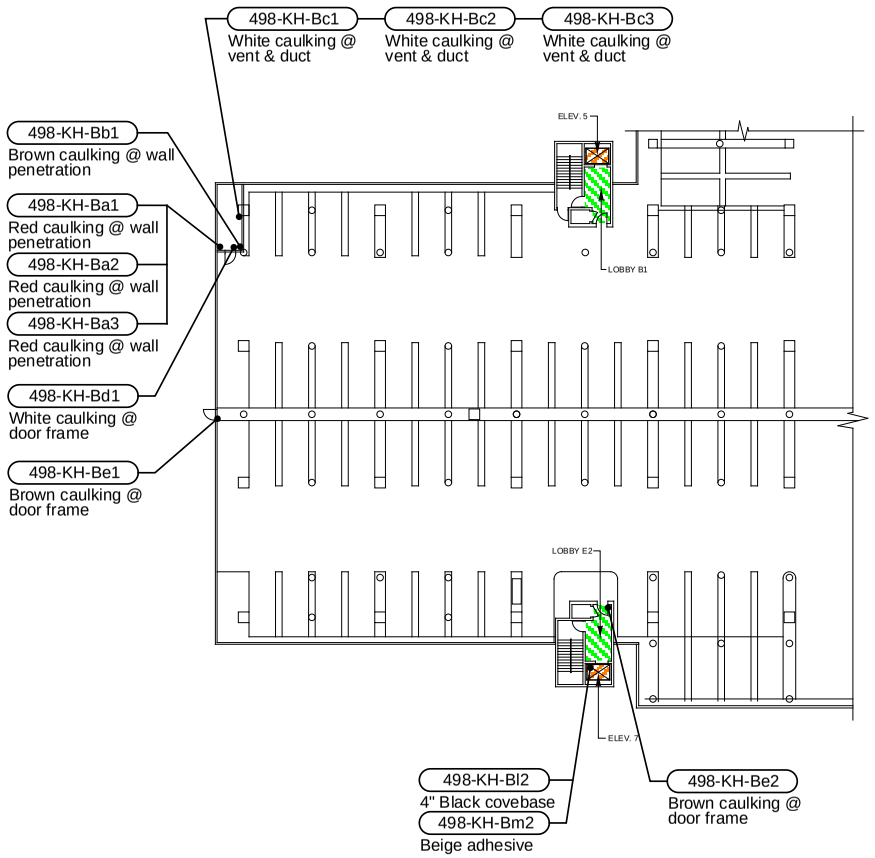
Appendix B

Asbestos Survey Sample Locations Sketch

EnvironMETeo (EMET) Services, Inc. Waipio Gentry Business Park 94-520 Uke'e Street, SuiteA Waipahu, Hawaii, USA 96797-4200
(808) 671-8383...Telephone (808) 671-7979...Facsimile emet@emetservices.com...Email

ASBESTOS SAMPLE LOCATION PLAN

BLDG #	NAME OF BUILDING	ADDRESS	SKETCH #
KH	KAAHUMANU HALE	777 PUNCHBOWL STREET HONOLULU, HI 96813	498-KH-B 1 OF 2



KAAHUMANU HALE - PARTIAL BASEMENT FLOOR PLAN
NOT TO SCALE

LEGEND

ACM: ← SAMPLE #

NON-ACM: ← SAMPLE #

NORTH

ASBESTOS-CONTAINING MATERIALS (ACM)* :

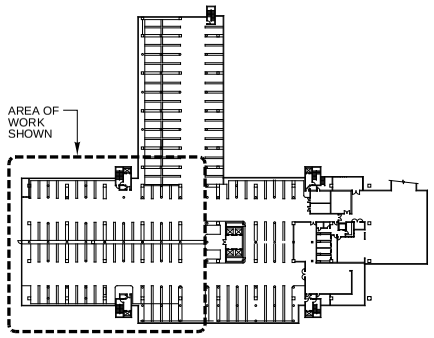
*ACM are described in this Legend in **boldface** text; Non-ACM (listed here only if layered with ACM) are described in plain text.

SAMPLE AREAS 498-KH-BG, -BH: 12"x12" BEIGE W/ BROWN-WHITE SPECKS VAT, BLACK MASTIC

SAMPLE AREA 498-KH–BV: BEIGE W/ YELLOW SPECKS SVF

* ASBESTOS-CONTAINING MATERIAL (ACM) IS DEFINED AS ANY MATERIAL CONTAINING > 1 % ASBESTOS.

THIS SURVEY WAS LIMITED IN SCOPE TO SPECIFIC AREAS AFFECTED BY PLANNED RENOVATION ACTIVITIES ONLY; THEREFORE, THIS REPORT MAKES NO WARRANTY FOR AREAS OF THE BUILDING WHICH WERE NOT INCLUDED IN THE SCOPE OF THE SURVEY.



NORTH

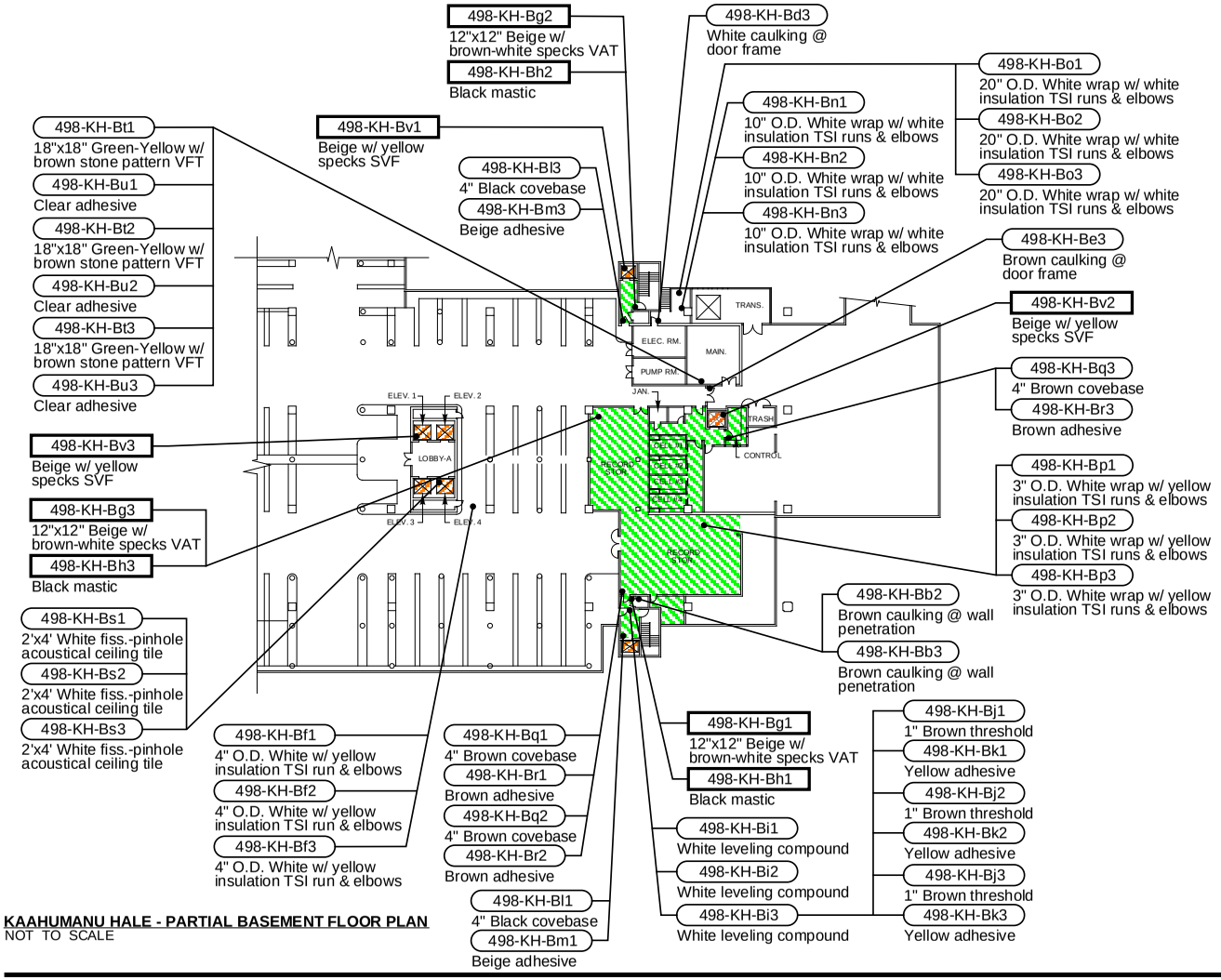
KEY PLAN: KAAHUMANU HALE (BASEMENT FLOOR)

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EnvironMETeo (EMET) Services, Inc. 94-520 Uke'e Street, Suite A Waipahu, Hawaii 96797 Phone: (808) 671-8383 Fax: (808) 671-7979

ASBESTOS SAMPLE LOCATION PLAN

BLDG #	NAME OF BUILDING	ADDRESS	SKETCH #
KH	KAAHUMANU HALE	777 PUNCHBOWL STREET HONOLULU, HI 96813	498-KH-B 2 OF 2



KAAHUMANU HALE - PARTIAL BASEMENT FLOOR PLAN
NOT TO SCALE

LEGEND

ACM: ◄ SAMPLE #

NON-ACM: ◄ SAMPLE #

NORTH

ASBESTOS-CONTAINING MATERIALS (ACM)* :

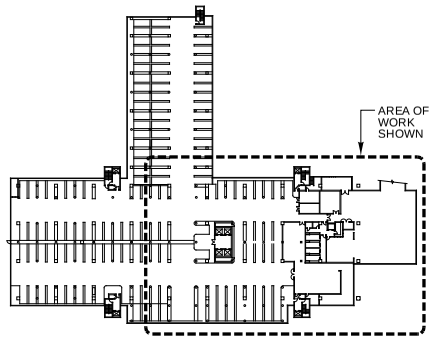
*ACM are described in this Legend in **boldface** text; Non-ACM (listed here only if layered with ACM) are described in plain text.

SAMPLE AREAS 498-KH-BG, -BH: 12"x12" BEIGE W/ BROWN-WHITE SPECKS VAT, BLACK MASTIC

SAMPLE AREA 498-KH–BV: BEIGE W/ YELLOW SPECKS SVF

*ASBESTOS-CONTAINING MATERIAL (ACM) IS DEFINED AS ANY MATERIAL CONTAINING > 1 % ASBESTOS.

THIS SURVEY WAS LIMITED IN SCOPE TO SPECIFIC AREAS AFFECTED BY PLANNED RENOVATION ACTIVITIES ONLY; THEREFORE, THIS REPORT MAKES NO WARRANTY FOR AREAS OF THE BUILDING WHICH WERE NOT INCLUDED IN THE SCOPE OF THE SURVEY.



KEY PLAN: KAAHUMANU HALE (BASEMENT FLOOR)

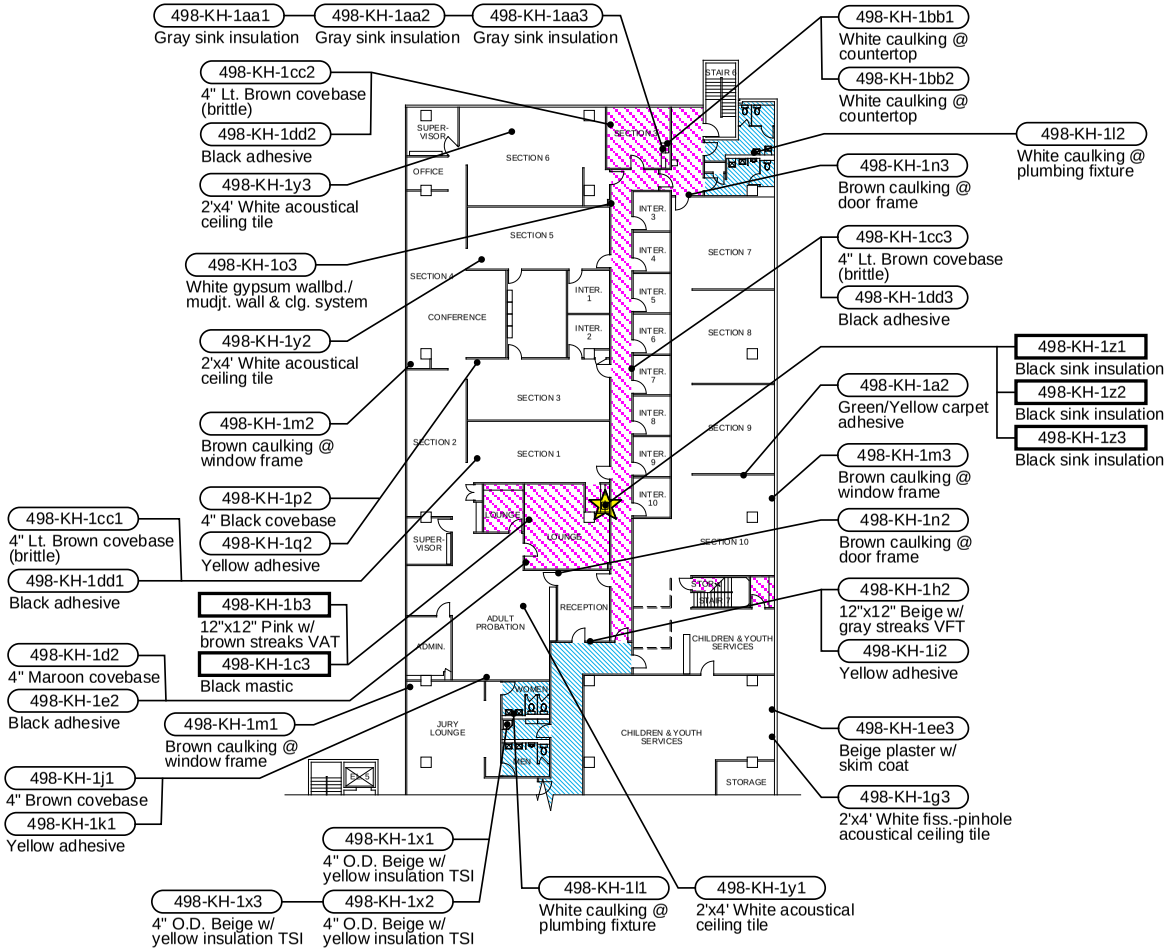
NORTH

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ASBESTOS SAMPLE LOCATION PLAN

BLDG #	NAME OF BUILDING	ADDRESS	SKETCH #
KH	KAAHUMANU HALE	777 PUNCHBOWL STREET HONOLULU, HI 96813	498-KH-1 1 OF 3



KAAHUMANU HALE - PARTIAL FIRST FLOOR PLAN
NOT TO SCALE

LEGEND

ACM: ← SAMPLE #

NON-ACM: ← SAMPLE #

NORTH

ASBESTOS-CONTAINING MATERIALS (ACM)* :

*ACM are described in this Legend in **boldface** text; Non-ACM (listed here only if layered with ACM) are described in plain text.

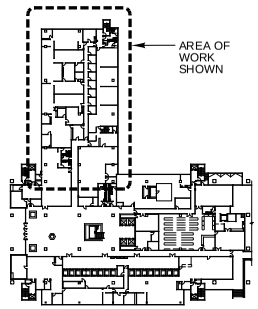
SAMPLE AREAS 498-KH-1B, -1C: 12"x12" PINK W/ BROWN STREAKS VAT, BLACK MASTIC

SAMPLE AREA 498-KH-1Z: BLACK SINK INSULATION

SAMPLE AREA 498-KH-1OO: WATERPROOFING MATERIAL (INACCESSIBLE WITHOUT CAUSING SIGNIFICANT DAMAGE, NO SAMPLES TAKEN DURING TIME OF SURVEY - ASSUMED ACM)

*ASBESTOS-CONTAINING MATERIAL (ACM) IS DEFINED AS ANY MATERIAL CONTAINING > 1 % ASBESTOS.

THIS SURVEY WAS LIMITED IN SCOPE TO SPECIFIC AREAS AFFECTED BY PLANNED RENOVATION ACTIVITIES ONLY; THEREFORE, THIS REPORT MAKES NO WARRANTY FOR AREAS OF THE BUILDING WHICH WERE NOT INCLUDED IN THE SCOPE OF THE SURVEY.



NORTH

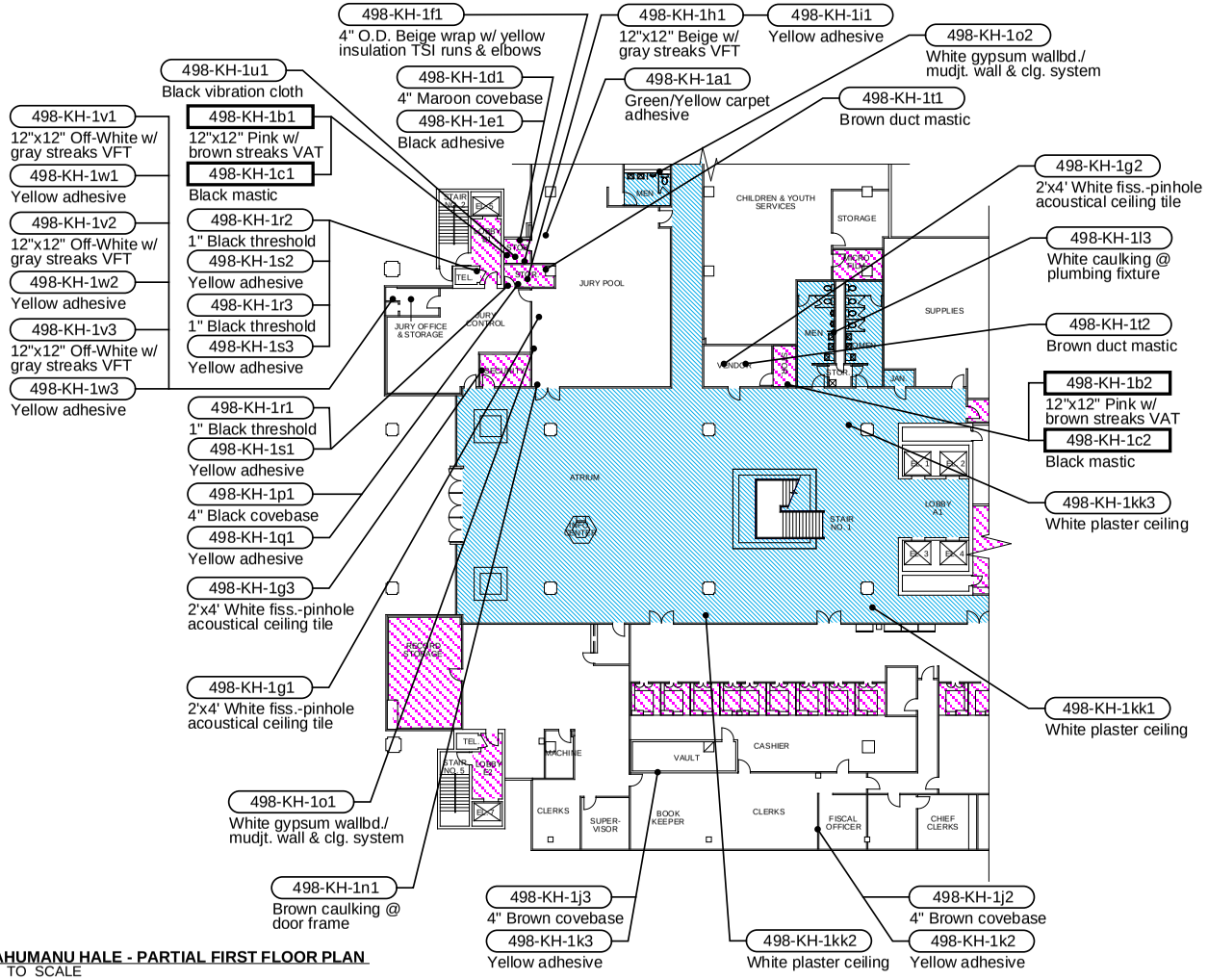
KEY PLAN: KAAHUMANU HALE (FIRST FLOOR)

EMET I.D. #1511498

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ASBESTOS SAMPLE LOCATION PLAN

BLDG #	NAME OF BUILDING	ADDRESS	SKETCH #
KH	KAAHUMANU HALE	777 PUNCHBOWL STREET HONOLULU, HI 96813	498-KH-1 2 OF 3



KAAHUMANU HALE - PARTIAL FIRST FLOOR PLAN
NOT TO SCALE

LEGEND

ACM: ▭◄ SAMPLE #

NON-ACM: ▭◄ SAMPLE #

NORTH

ASBESTOS-CONTAINING MATERIALS (ACM)* :

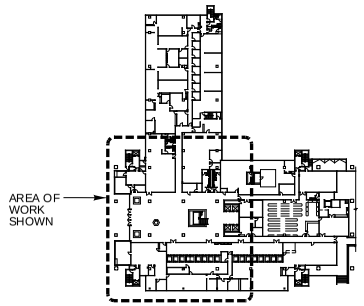
*ACM are described in this Legend in **boldface** text; Non-ACM (listed here only if layered with ACM) are described in plain text.

SAMPLE AREAS 498-KH-1B, -1C: 12"x12" PINK W/ BROWN STREAKS VAT, BLACK MASTIC

SAMPLE AREA 498-KH-1OO: WATERPROOFING MATERIAL (INACCESSIBLE WITHOUT CAUSING SIGNIFICANT DAMAGE, NO SAMPLES TAKEN DURING TIME OF SURVEY - ASSUMED ACM)

*ASBESTOS-CONTAINING MATERIAL (ACM) IS DEFINED AS ANY MATERIAL CONTAINING > 1 % ASBESTOS.

THIS SURVEY WAS LIMITED IN SCOPE TO SPECIFIC AREAS AFFECTED BY PLANNED RENOVATION ACTIVITIES ONLY; THEREFORE, THIS REPORT MAKES NO WARRANTY FOR AREAS OF THE BUILDING WHICH WERE NOT INCLUDED IN THE SCOPE OF THE SURVEY.



KEY PLAN: KAAHUMANU HALE (FIRST FLOOR)

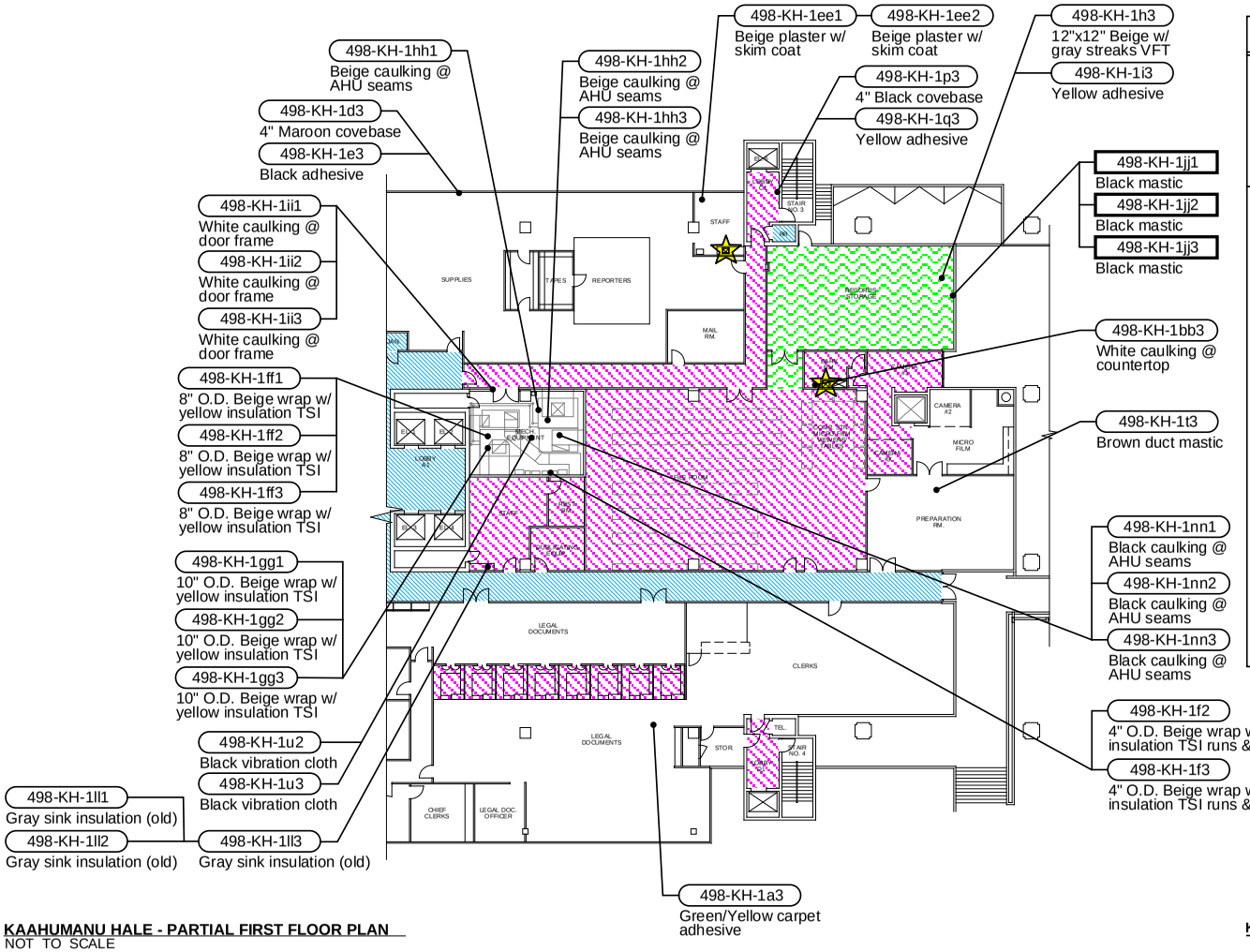
NORTH

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EnvironMETeo (EMET) Services, Inc. **94-520 Uke'e Street, Suite A** **Waipahu, Hawaii 96797** **Phone: (808) 671-8383** **Fax: (808) 671-7979**

ASBESTOS SAMPLE LOCATION PLAN

BLDG #	NAME OF BUILDING	ADDRESS	SKETCH #
KH	KAAHUMANU HALE	777 PUNCHBOWL STREET HONOLULU, HI 96813	498-KH-1 3 OF 3



KAAHUMANU HALE - PARTIAL FIRST FLOOR PLAN
NOT TO SCALE

LEGEND

ACM: ◄ SAMPLE #

NON-ACM: ◄ SAMPLE #

NORTH

ASBESTOS-CONTAINING MATERIALS (ACM)* :

*ACM are described in this Legend in **boldface** text; Non-ACM (listed here only if layered with ACM) are described in plain text.

SAMPLE AREAS 498-KH-1B, -1C: 12"x12" PINK W/ BROWN STREAKS VAT, BLACK MASTIC

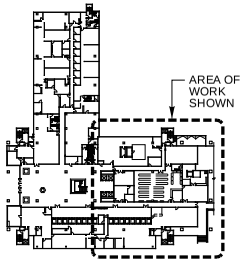
SAMPLE AREA 498-KH-1Z: BLACK SINK INSULATION

SAMPLE AREA 498-KH-1JJ: BLACK MASTIC (LOCATED BENEATH 12"x12" BEIGE W/ GRAY STREAKS VFT)

SAMPLE AREA 498-KH-1OO: WATERPROOFING MATERIAL (INACCESSIBLE WITHOUT CAUSING SIGNIFICANT DAMAGE, NO SAMPLES TAKEN DURING TIME OF SURVEY - ASSUMED ACM)

*ASBESTOS-CONTAINING MATERIAL (ACM) IS DEFINED AS ANY MATERIAL CONTAINING > 1 % ASBESTOS.

THIS SURVEY WAS LIMITED IN SCOPE TO SPECIFIC AREAS AFFECTED BY PLANNED RENOVATION ACTIVITIES ONLY; THEREFORE, THIS REPORT MAKES NO WARRANTY FOR AREAS OF THE BUILDING WHICH WERE NOT INCLUDED IN THE SCOPE OF THE SURVEY.



KEY PLAN: KAAHUMANU HALE (FIRST FLOOR)

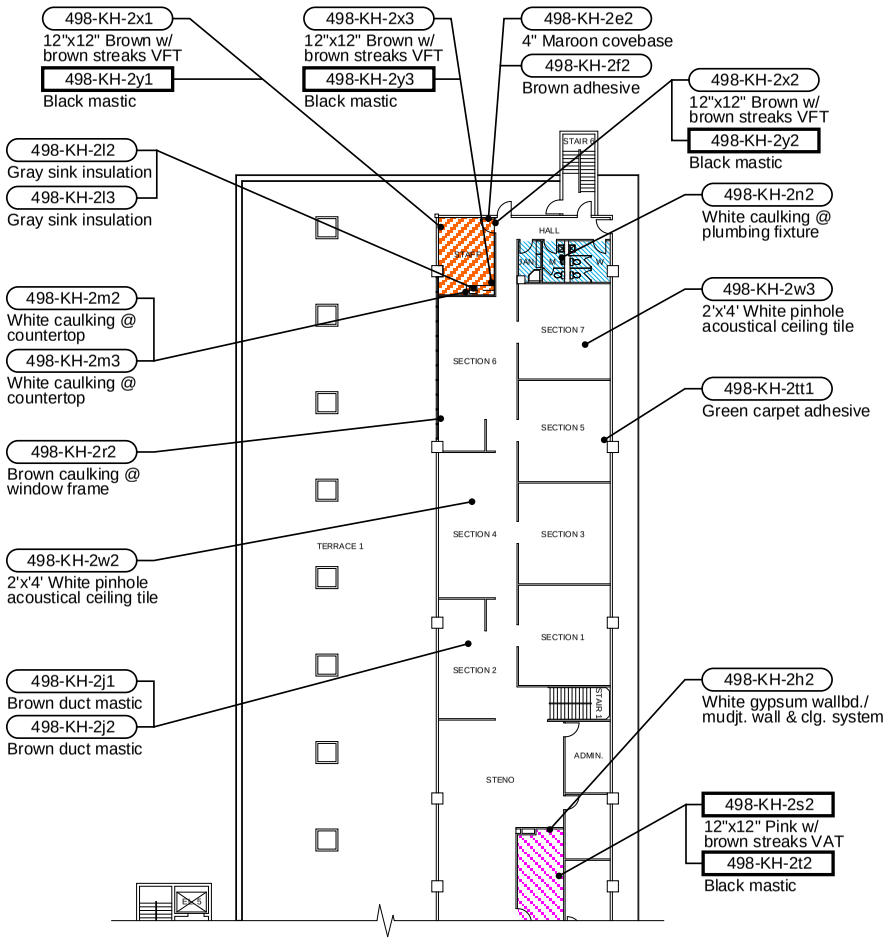
NORTH

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ASBESTOS SAMPLE LOCATION PLAN

BLDG #	NAME OF BUILDING	ADDRESS	SKETCH #
KH	KAAHUMANU HALE	777 PUNCHBOWL STREET HONOLULU, HI 96813	498-KH-2 1 OF 3



KAAHUMANU HALE - PARTIAL SECOND FLOOR PLAN
NOT TO SCALE

LEGEND

ACM: ——◄—— SAMPLE #

NON-ACM: ——◄—— SAMPLE #

NORTH

ASBESTOS-CONTAINING MATERIALS (ACM)* :

*ACM are described in this Legend in **boldface** text; Non-ACM (listed here only if layered with ACM) are described in plain text.

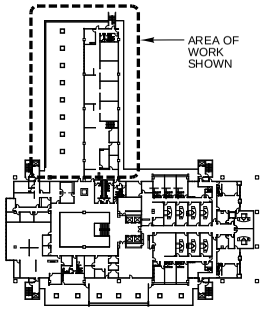
SAMPLE AREAS 498-KH-2S, -2T: 12"x12" PINK W/ BROWN STREAKS VAT, BLACK MASTIC

SAMPLE AREAS 498-KH-2X**, -2Y:** 12"x12" BROWN W/ BROWN STREAKS VFT**, BLACK MASTIC**

SAMPLE AREA 498-KH-2OO: WATERPROOFING MATERIAL (INACCESSIBLE WITHOUT CAUSING SIGNIFICANT DAMAGE, NO SAMPLES TAKEN DURING TIME OF SURVEY - ASSUMED ACM)

*ASBESTOS-CONTAINING MATERIAL (ACM) IS DEFINED AS ANY MATERIAL CONTAINING > 1 % ASBESTOS.

THIS SURVEY WAS LIMITED IN SCOPE TO SPECIFIC AREAS AFFECTED BY PLANNED RENOVATION ACTIVITIES ONLY; THEREFORE, THIS REPORT MAKES NO WARRANTY FOR AREAS OF THE BUILDING WHICH WERE NOT INCLUDED IN THE SCOPE OF THE SURVEY.



NORTH

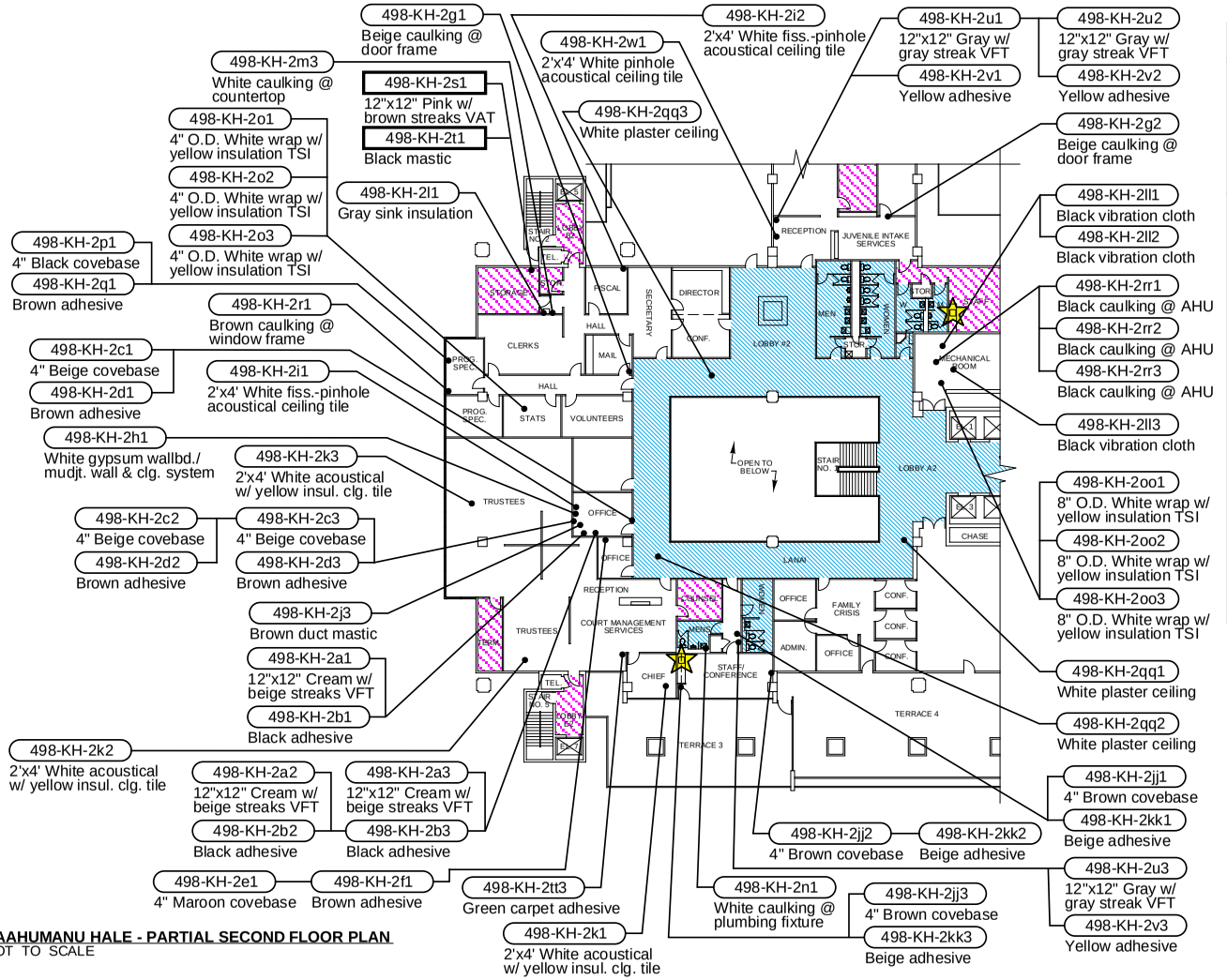
KEY PLAN: KAAHUMANU HALE (SECOND FLOOR)

EMET I.D. #1511498

EnvironMETeo (EMET) Services, Inc. 94-520 Uke'e Street, Suite A Waipahu, Hawaii 96797 Phone: (808) 671-8383 Fax: (808) 671-7979

ASBESTOS SAMPLE LOCATION PLAN

BLDG #	NAME OF BUILDING	ADDRESS	SKETCH #
KH	KAAHUMANU HALE	777 PUNCHBOWL STREET HONOLULU, HI 96813	498-KH-2 2 OF 3



KAAHUMANU HALE - PARTIAL SECOND FLOOR PLAN
NOT TO SCALE

LEGEND

ACM: ◄ SAMPLE #

NON-ACM: ◄ SAMPLE #

NORTH

ASBESTOS-CONTAINING MATERIALS (ACM)* :

*ACM are described in this Legend in **boldface** text; Non-ACM (listed here only if layered with ACM) are described in plain text.

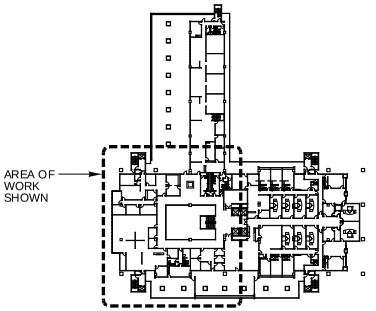
SAMPLE AREAS 498-KH-2S, -2T: 12"x12" PINK W/ BROWN STREAKS VAT, BLACK MASTIC

SAMPLE AREA 498-KH-2DD: BLACK SINK INSULATION

SAMPLE AREA 498-KH-2OO: WATERPROOFING MATERIAL (INACCESSIBLE WITHOUT CAUSING SIGNIFICANT DAMAGE, NO SAMPLES TAKEN DURING TIME OF SURVEY - ASSUMED ACM)

*ASBESTOS-CONTAINING MATERIAL (ACM) IS DEFINED AS ANY MATERIAL CONTAINING > 1 % ASBESTOS.

THIS SURVEY WAS LIMITED IN SCOPE TO SPECIFIC AREAS AFFECTED BY PLANNED RENOVATION ACTIVITIES ONLY; THEREFORE, THIS REPORT MAKES NO WARRANTY FOR AREAS OF THE BUILDING WHICH WERE NOT INCLUDED IN THE SCOPE OF THE SURVEY.



NORTH

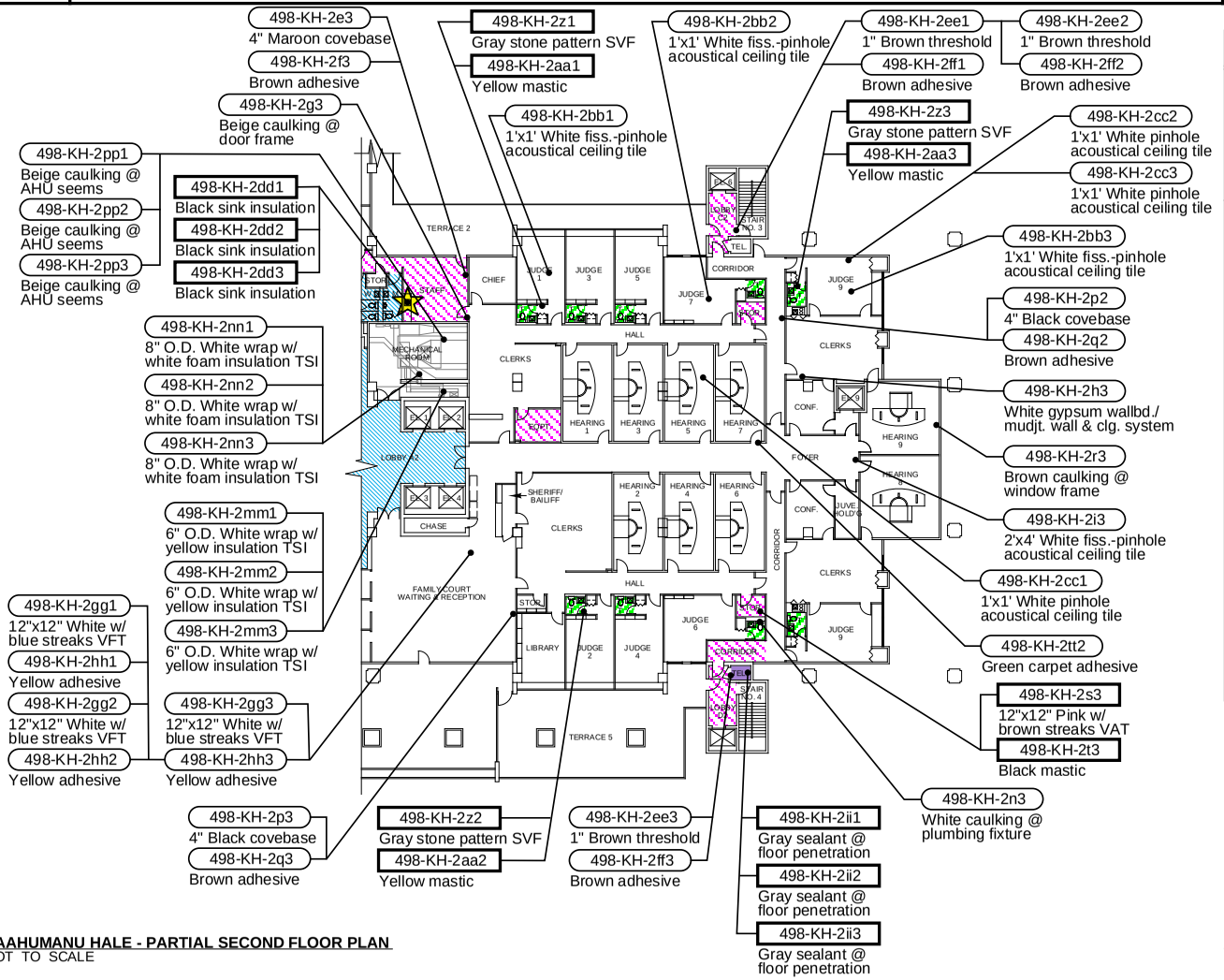
KEY PLAN: KAAHUMANU HALE (SECOND FLOOR)

EMET I.D. #1511498

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ASBESTOS SAMPLE LOCATION PLAN

BLDG #	NAME OF BUILDING	ADDRESS	SKETCH #
KH	KAAHUMANU HALE	777 PUNCHBOWL STREET HONOLULU, HI 96813	498-KH-2 3 OF 3



KAAHUMANU HALE - PARTIAL SECOND FLOOR PLAN
NOT TO SCALE

LEGEND

ACM: SAMPLE #

NON-ACM: SAMPLE #

NORTH

ASBESTOS-CONTAINING MATERIALS (ACM)* :

*ACM are described in this Legend in **boldface** text; Non-ACM (listed here only if layered with ACM) are described in plain text.

SAMPLE AREAS 498-KH-2S, -2T: 12"x12" PINK W/ BROWN STREAKS VAT, BLACK MASTIC

SAMPLE AREAS 498-KH-2Z, -2AA: GRAY STONE PATTERN SVF, YELLOW MASTIC

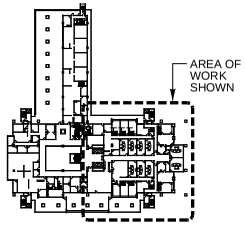
SAMPLE AREA 498-KH-2DD: BLACK SINK INSULATION

SAMPLE AREA 498-KH-2II: GRAY SEALANT @ FLOOR PENETRATION

SAMPLE AREA 498-KH-2OO: WATERPROOFING MATERIAL (INACCESSIBLE WITHOUT CAUSING SIGNIFICANT DAMAGE, NO SAMPLES TAKEN DURING TIME OF SURVEY - ASSUMED ACM)

*ASBESTOS-CONTAINING MATERIAL (ACM) IS DEFINED AS ANY MATERIAL CONTAINING > 1 % ASBESTOS.

THIS SURVEY WAS LIMITED IN SCOPE TO SPECIFIC AREAS AFFECTED BY PLANNED RENOVATION ACTIVITIES ONLY; THEREFORE, THIS REPORT MAKES NO WARRANTY FOR AREAS OF THE BUILDING WHICH WERE NOT INCLUDED IN THE SCOPE OF THE SURVEY.



KEY PLAN: KAAHUMANU HALE (SECOND FLOOR)

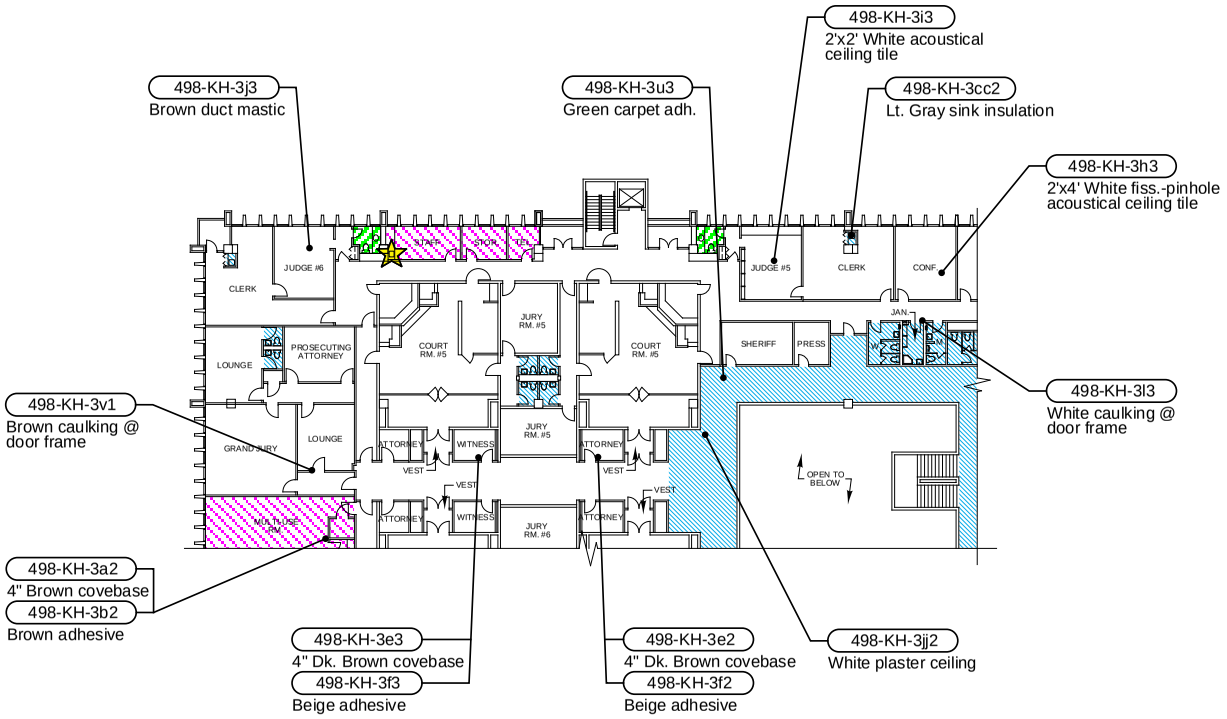
NORTH

EMET I.D. #1511498

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ASBESTOS SAMPLE LOCATION PLAN

BLDG #	NAME OF BUILDING	ADDRESS	SKETCH #
KH	KAAHUMANU HALE	777 PUNCHBOWL STREET HONOLULU, HI 96813	498-KH-3 1 OF 4



KAAHUMANU HALE - PARTIAL THIRD FLOOR PLAN
NOT TO SCALE

LEGEND

ACM: ◄ SAMPLE #

NON-ACM: ◄ SAMPLE #

NORTH

ASBESTOS-CONTAINING MATERIALS (ACM)* :

*ACM are described in this Legend in **boldface** text; Non-ACM (listed here only if layered with ACM) are described in plain text.

SAMPLE AREAS 498-KH-3S, -3T: 12"x12" PINK W/ GRAY STREAKS VAT, BLACK MASTIC

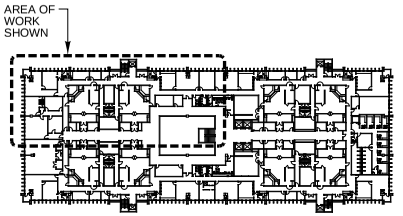
SAMPLE AREA 498-KH-3X: BLACK SINK INSULATION

SAMPLE AREAS 498-KH-3DD, -3EE: TAN W/ BEIGE SPECKS SVF, YELLOW MASTIC

SAMPLE AREA 498-KH-3KK: WATERPROOFING MATERIAL (INACCESSIBLE WITHOUT CAUSING SIGNIFICANT DAMAGE, NO SAMPLES TAKEN DURING TIME OF SURVEY - ASSUMED ACM)

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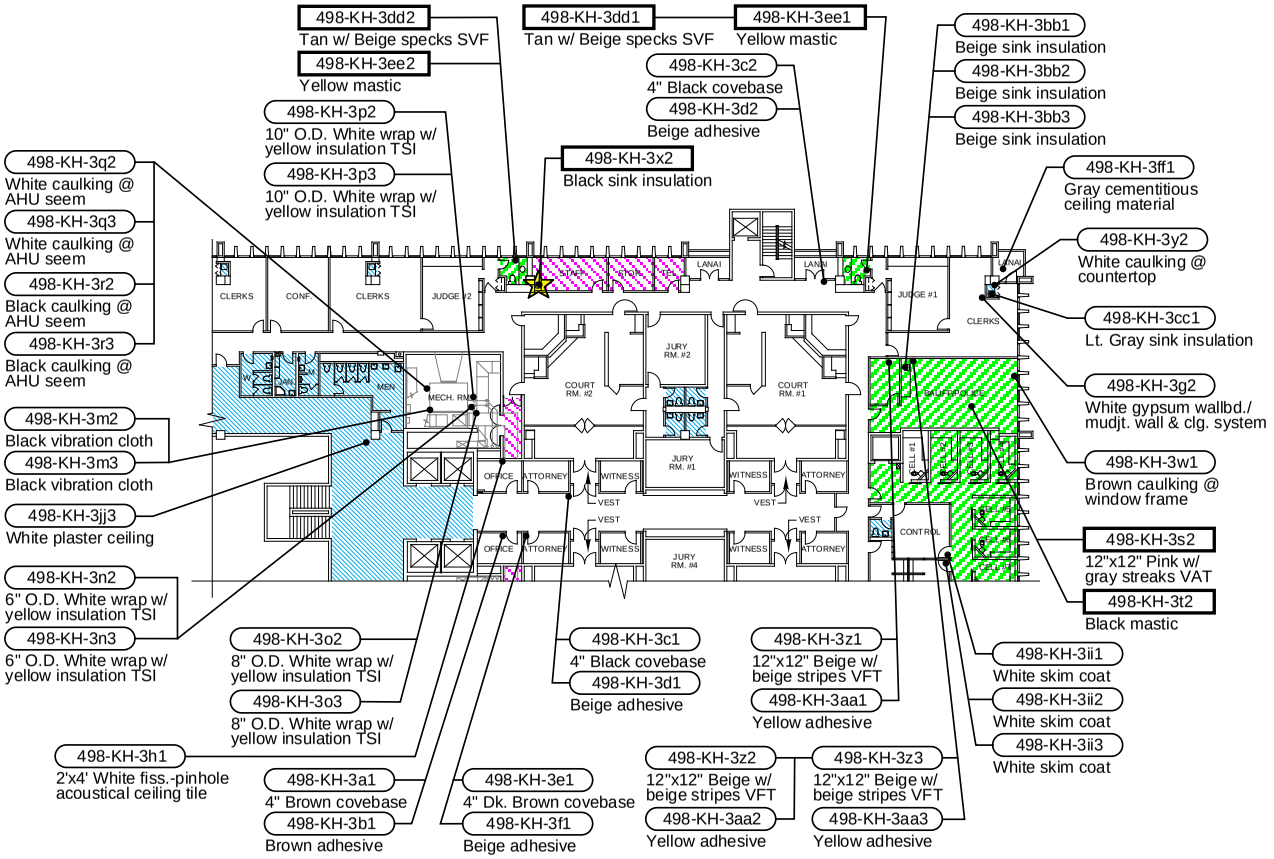
KEY PLAN: KAAHUMANU HALE (THIRD FLOOR)

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ASBESTOS SAMPLE LOCATION PLAN

BLDG #	NAME OF BUILDING	ADDRESS	SKETCH #
KH	KAAHUMANU HALE	777 PUNCHBOWL STREET HONOLULU, HI 96813	498-KH-3 2 OF 4



LEGEND

ACM: ◄ SAMPLE #

NON-ACM: ◄ SAMPLE #

NORTH

ASBESTOS-CONTAINING MATERIALS (ACM)* :

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SAMPLE AREAS 498-KH-3S, -3T: 12"x12" PINK W/ GRAY STREAKS VAT, BLACK MASTIC

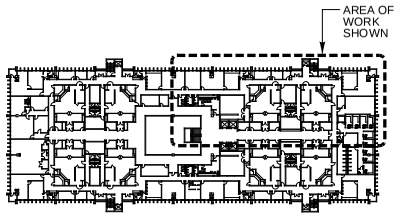
SAMPLE AREA 498-KH-3X: BLACK SINK INSULATION

SAMPLE AREAS 498-KH-3DD, -3EE: TAN W/ BEIGE SPECKS SVF, YELLOW MASTIC

SAMPLE AREA 498-KH-3KK: WATERPROOFING MATERIAL (INACCESSIBLE WITHOUT CAUSING SIGNIFICANT DAMAGE, NO SAMPLES TAKEN DURING TIME OF SURVEY - ASSUMED ACM)

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KEY PLAN: KAAHUMANU HALE (THIRD FLOOR)

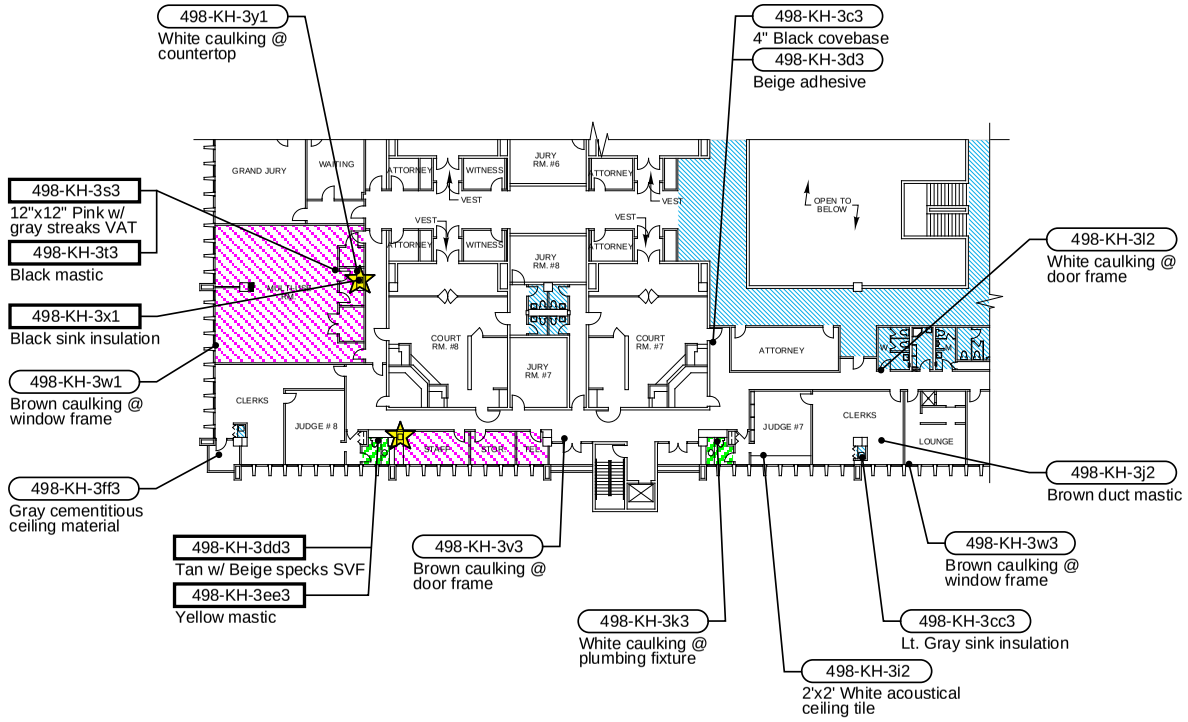
KAAHUMANU HALE - PARTIAL THIRD FLOOR PLAN
NOT TO SCALE

EMET I.D. #1511498

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ASBESTOS SAMPLE LOCATION PLAN

BLDG #	NAME OF BUILDING	ADDRESS	SKETCH #
KH	KAAHUMANU HALE	777 PUNCHBOWL STREET HONOLULU, HI 96813	498-KH-3 3 OF 4



KAAHUMANU HALE - PARTIAL THIRD FLOOR PLAN
NOT TO SCALE

LEGEND

ACM: ◄ SAMPLE #

NON-ACM: ◄ SAMPLE #

NORTH

ASBESTOS-CONTAINING MATERIALS (ACM)* :

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SAMPLE AREAS 498-KH-3S, -3T: 12"x12" PINK W/ GRAY STREAKS VAT, BLACK MASTIC

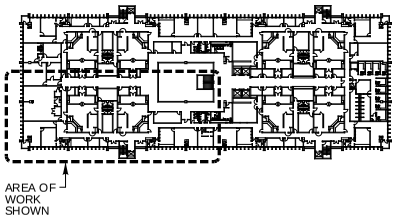
SAMPLE AREA 498-KH-3X: BLACK SINK INSULATION

SAMPLE AREAS 498-KH-3DD, -3EE: TAN W/ BEIGE SPECKS SVF, YELLOW MASTIC

SAMPLE AREA 498-KH-3KK: WATERPROOFING MATERIAL (INACCESSIBLE WITHOUT CAUSING SIGNIFICANT DAMAGE, NO SAMPLES TAKEN DURING TIME OF SURVEY - ASSUMED ACM)

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NORTH

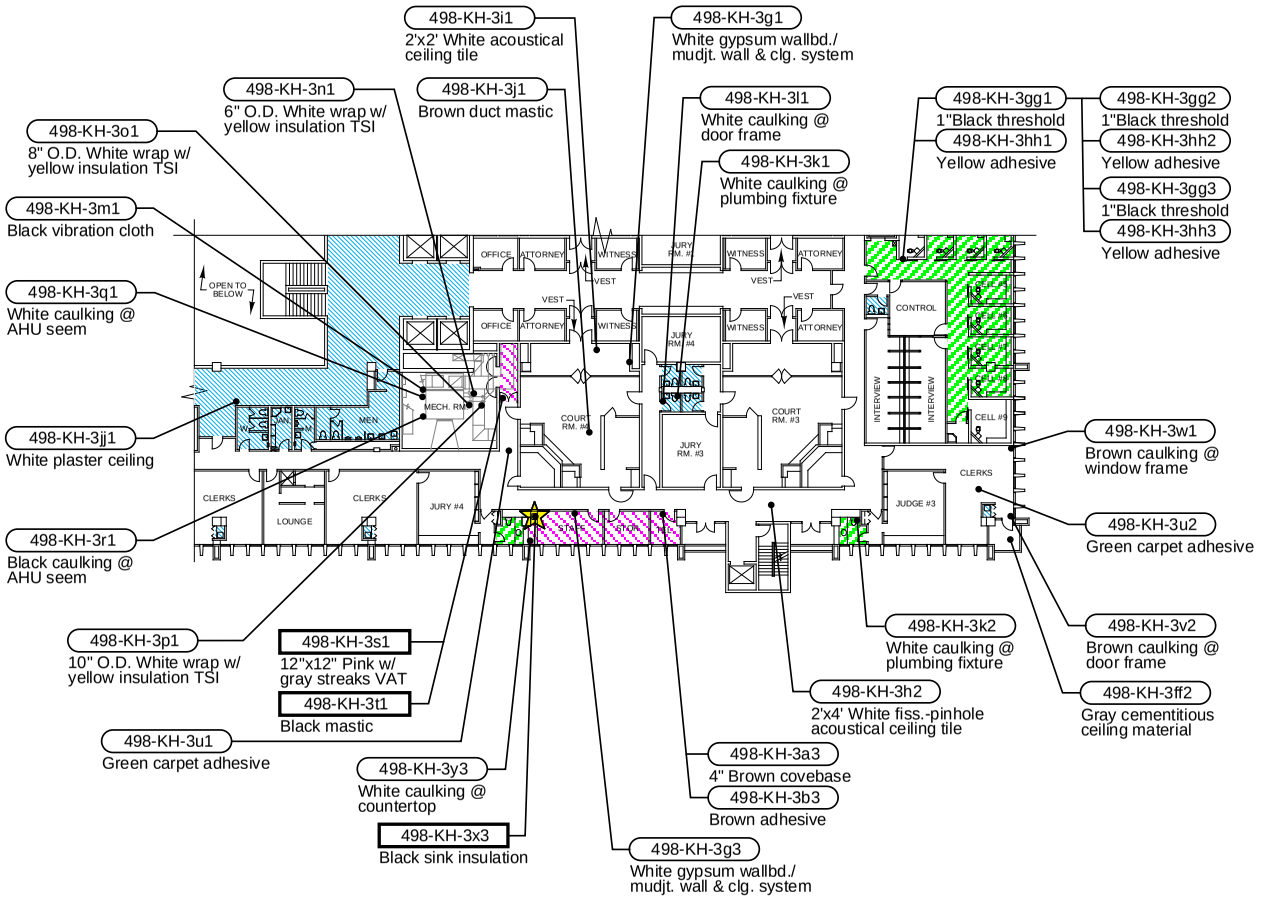
KEY PLAN: KAAHUMANU HALE (THIRD FLOOR)

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ASBESTOS SAMPLE LOCATION PLAN

BLDG #	NAME OF BUILDING	ADDRESS	SKETCH #
KH	KAAHUMANU HALE	777 PUNCHBOWL STREET HONOLULU, HI 96813	498-KH-3 4 OF 4



KAAHUMANU HALE - PARTIAL THIRD FLOOR PLAN
NOT TO SCALE

LEGEND

ACM: ——◄—— SAMPLE #

NON-ACM: ——◄—— SAMPLE #

NORTH

ASBESTOS-CONTAINING MATERIALS (ACM)* :

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SAMPLE AREAS 498-KH-3S, -3T: 12"x12" PINK W/ GRAY STREAKS VAT, BLACK MASTIC

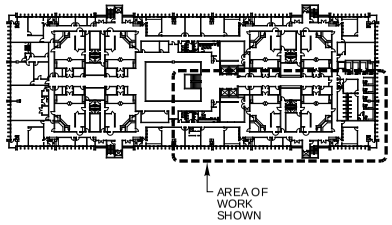
SAMPLE AREA 498-KH-3X: BLACK SINK INSULATION

SAMPLE AREAS 498-KH-3DD, -3EE: TAN W/ BEIGE SPECKS SVF, YELLOW MASTIC

SAMPLE AREA 498-KH-3KK: WATERPROOFING MATERIAL (INACCESSIBLE WITHOUT CAUSING SIGNIFICANT DAMAGE, NO SAMPLES TAKEN DURING TIME OF SURVEY - ASSUMED ACM)

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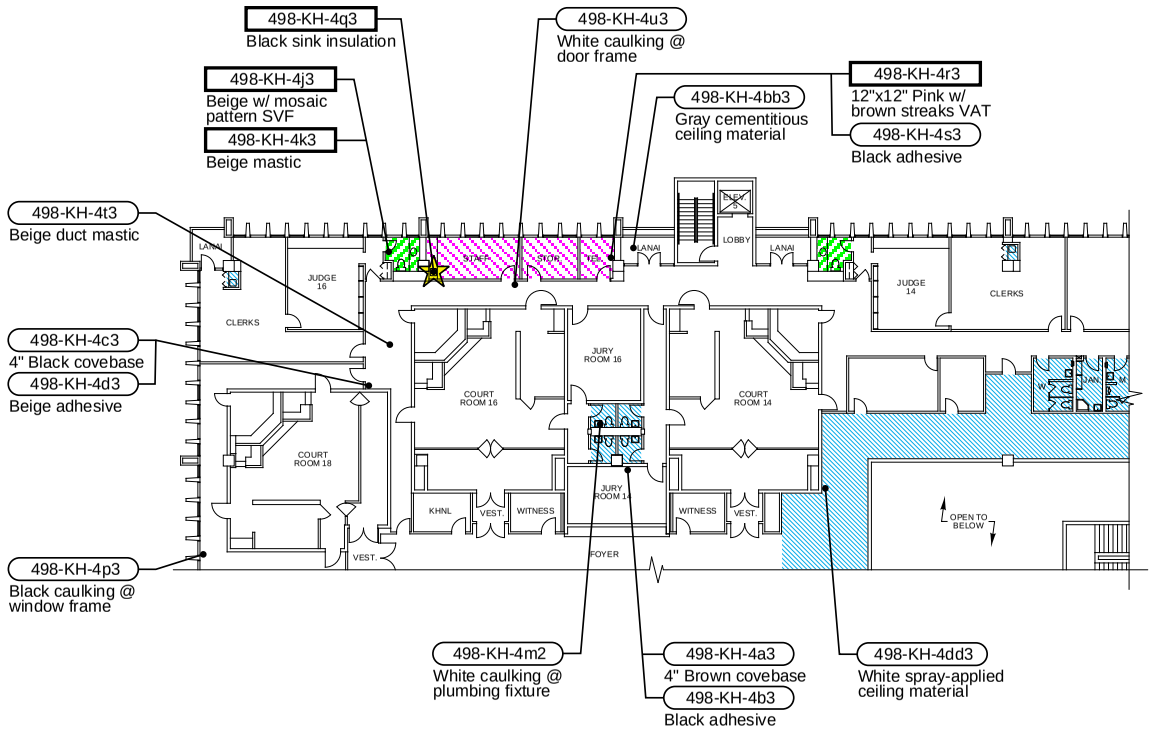
KEY PLAN: KAAHUMANU HALE (THIRD FLOOR)

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ASBESTOS SAMPLE LOCATION PLAN

BLDG #	NAME OF BUILDING	ADDRESS	SKETCH #
KH	KAAHUMANU HALE	777 PUNCHBOWL STREET HONOLULU, HI 96813	498-KH-4 1 OF 4



LEGEND

ACM: ← SAMPLE #

NON-ACM: ← SAMPLE #

NORTH

ASBESTOS-CONTAINING MATERIALS (ACM)* :

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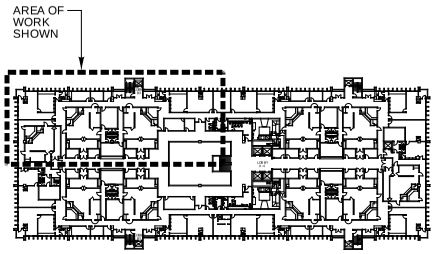
SAMPLE AREAS 498-KH-4J, -4K: BEIGE MOSAIC PATTERN SVF, BEIGE MASTIC

SAMPLE AREA 498-KH-4Q: BLACK SINK INSULATION

SAMPLE AREAS 498-KH-4R, -4S**: 12"x12" PINK W/ BROWN STREAKS VAT,** BLACK ADHESIVE

SAMPLE AREA 498-KH-4EE: WATERPROOFING MATERIAL (INACCESSIBLE WITHOUT CAUSING SIGNIFICANT DAMAGE, NO SAMPLES TAKEN DURING TIME OF SURVEY - ASSUMED ACM)

*ASBESTOS-CONTAINING MATERIAL (ACM) IS DEFINED AS ANY MATERIAL CONTAINING > 1 % ASBESTOS.



NORTH

KAAHUMANU HALE - PARTIAL FOURTH FLOOR PLAN
NOT TO SCALE

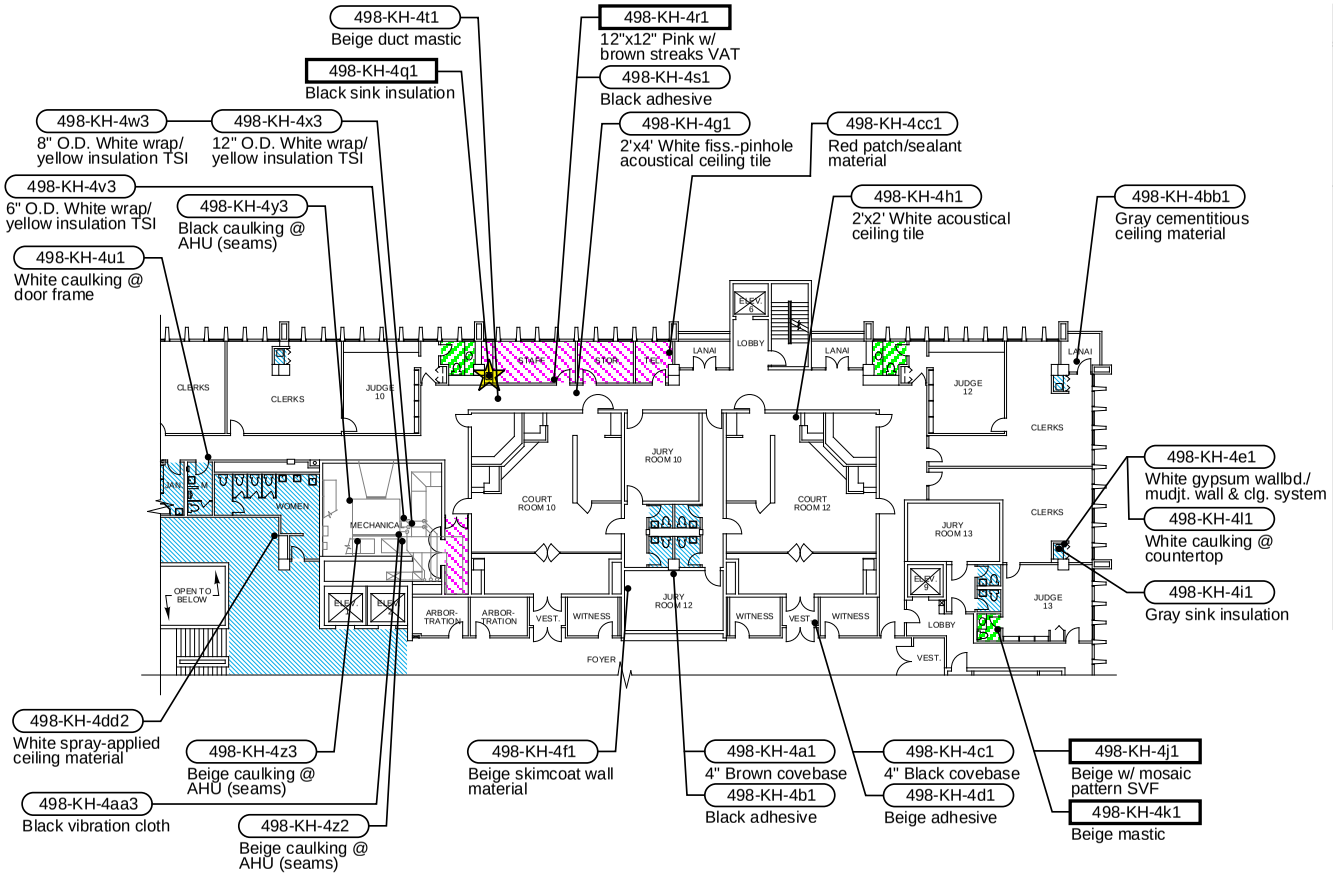
KEY PLAN: KAAHUMANU HALE (FOURTH FLOOR)

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ASBESTOS SAMPLE LOCATION PLAN

BLDG #	NAME OF BUILDING	ADDRESS	SKETCH #
KH	KAAHUMANU HALE	777 PUNCHBOWL STREET HONOLULU, HI 96813	498-KH-4 2 OF 4



LEGEND

ACM: ← SAMPLE #

NON-ACM: ← SAMPLE #

NORTH

ASBESTOS-CONTAINING MATERIALS (ACM)* :

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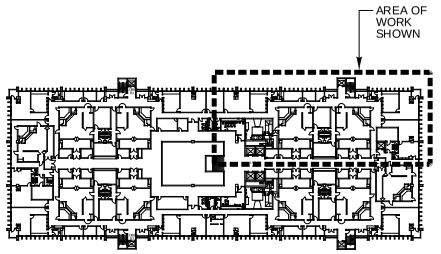
SAMPLE AREAS 498-KH-4J, -4K: BEIGE MOSAIC PATTERN SVF, BEIGE MASTIC

SAMPLE AREA 498-KH-4Q: BLACK SINK INSULATION

SAMPLE AREAS 498-KH-4R, -4S**: 12"x12" PINK W/ BROWN STREAKS VAT,** BLACK ADHESIVE

SAMPLE AREA 498-KH-4EE: WATERPROOFING MATERIAL (INACCESSIBLE WITHOUT CAUSING SIGNIFICANT DAMAGE, NO SAMPLES TAKEN DURING TIME OF SURVEY - ASSUMED ACM)

*ASBESTOS-CONTAINING MATERIAL (ACM) IS DEFINED AS ANY MATERIAL CONTAINING > 1 % ASBESTOS.



NORTH

KAAHUMANU HALE - PARTIAL FOURTH FLOOR PLAN
NOT TO SCALE

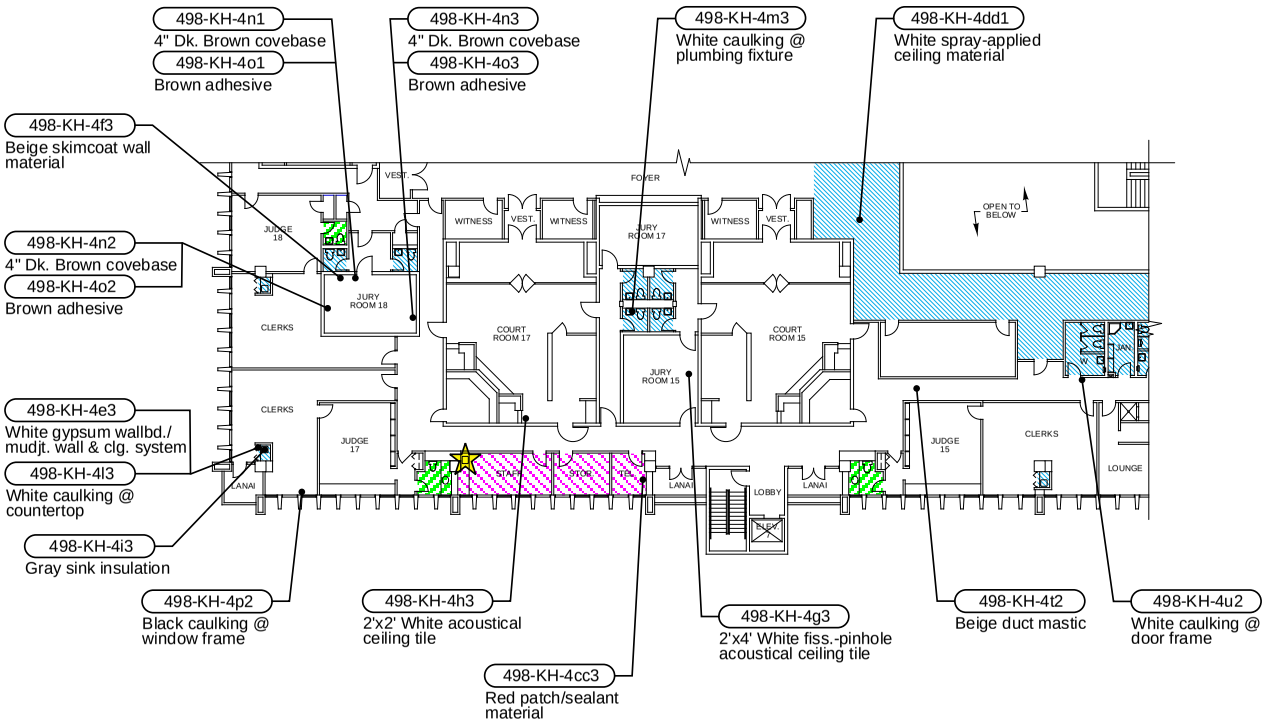
KEY PLAN: KAAHUMANU HALE (FOURTH FLOOR)

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ASBESTOS SAMPLE LOCATION PLAN

BLDG #	NAME OF BUILDING	ADDRESS	SKETCH #
KH	KAAHUMANU HALE	777 PUNCHBOWL STREET HONOLULU, HI 96813	498-KH-4 3 OF 4



KAAHUMANU HALE - PARTIAL FOURTH FLOOR PLAN
NOT TO SCALE

LEGEND

ACM: ◄ SAMPLE #

NON-ACM: ◄ SAMPLE #

NORTH

ASBESTOS-CONTAINING MATERIALS (ACM)* :

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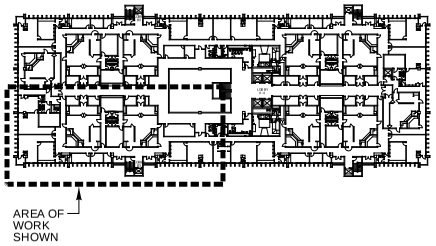
SAMPLE AREAS 498-KH-4J, -4K: BEIGE MOSAIC PATTERN SVF, BEIGE MASTIC

SAMPLE AREA 498-KH-4Q: BLACK SINK INSULATION

SAMPLE AREAS 498-KH-4R, -4S**: 12"x12" PINK W/ BROWN STREAKS VAT,** BLACK ADHESIVE

SAMPLE AREA 498-KH-4EE: WATERPROOFING MATERIAL (INACCESSIBLE WITHOUT CAUSING SIGNIFICANT DAMAGE, NO SAMPLES TAKEN DURING TIME OF SURVEY - ASSUMED ACM)

*ASBESTOS-CONTAINING MATERIAL (ACM) IS DEFINED AS ANY MATERIAL CONTAINING > 1 % ASBESTOS.



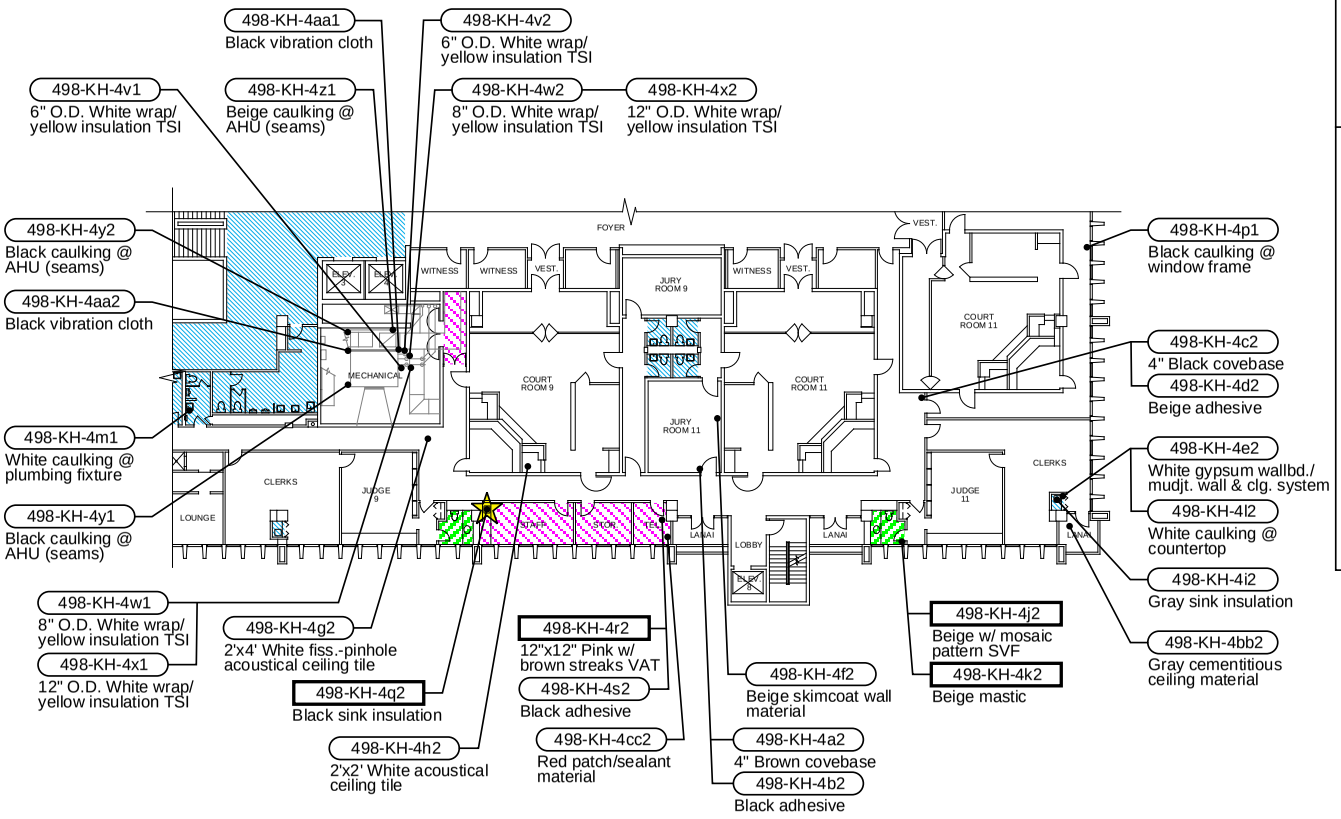
KEY PLAN: KAAHUMANU HALE (FOURTH FLOOR)

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ASBESTOS SAMPLE LOCATION PLAN

BLDG #	NAME OF BUILDING	ADDRESS	SKETCH #
KH	KAAHUMANU HALE	777 PUNCHBOWL STREET HONOLULU, HI 96813	498-KH-4 4 OF 4



LEGEND

ACM: ——◄—— SAMPLE #

NON-ACM: ——◄—— SAMPLE #

NORTH

ASBESTOS-CONTAINING MATERIALS (ACM)* :

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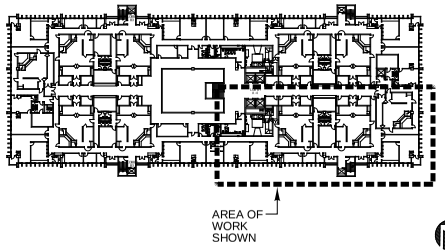
SAMPLE AREAS 498-KH-4J, -4K: BEIGE MOSAIC PATTERN SVF, BEIGE MASTIC

SAMPLE AREA 498-KH-4Q: BLACK SINK INSULATION

SAMPLE AREAS 498-KH-4R, -4S**: 12"x12" PINK W/ BROWN STREAKS VAT,** BLACK ADHESIVE

SAMPLE AREA 498-KH-4EE: WATERPROOFING MATERIAL (INACCESSIBLE WITHOUT CAUSING SIGNIFICANT DAMAGE, NO SAMPLES TAKEN DURING TIME OF SURVEY - ASSUMED ACM)

*ASBESTOS-CONTAINING MATERIAL (ACM) IS DEFINED AS ANY MATERIAL CONTAINING > 1 % ASBESTOS.



KEY PLAN: KAAHUMANU HALE (FOURTH FLOOR)

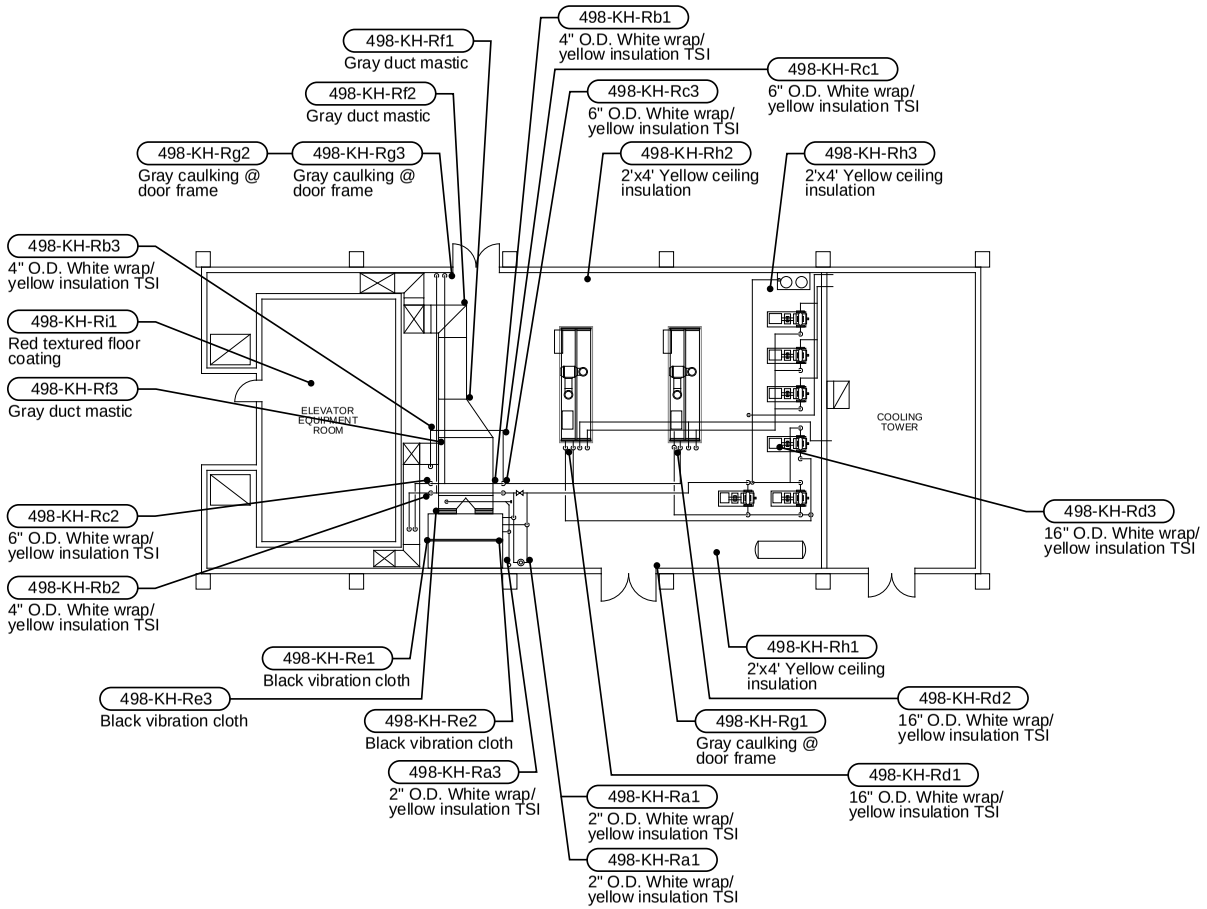
KAAHUMANU HALE - PARTIAL FOURTH FLOOR PLAN
NOT TO SCALE

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ASBESTOS SAMPLE LOCATION PLAN

BLDG #	NAME OF BUILDING	ADDRESS	SKETCH #
KH	KAAHUMANU HALE	777 PUNCHBOWL STREET HONOLULU, HI 96813	498-KH-R 1 OF 3



KAAHUMANU HALE - PARTIAL ROOF PLAN (MAIN ROOF/ MECHANICAL RM.)
NOT TO SCALE

LEGEND

ACM: ◄ SAMPLE #

NON-ACM: ◄ SAMPLE #

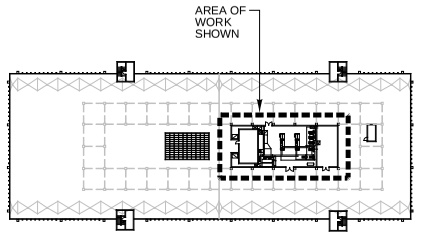
NORTH

ASBESTOS-CONTAINING MATERIALS (ACM)* :

NO ACM DETECTED IN AREAS SAMPLED

*ASBESTOS-CONTAINING MATERIAL (ACM) IS DEFINED AS ANY MATERIAL CONTAINING > 1 % ASBESTOS.

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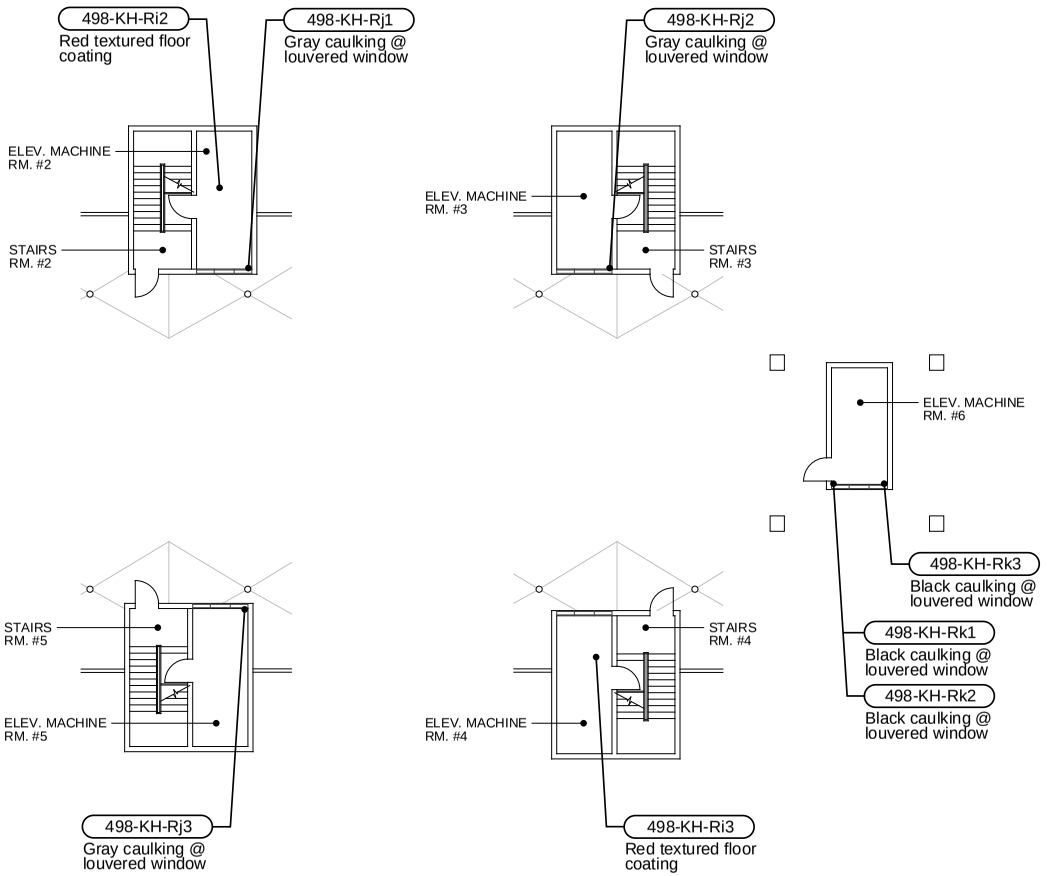
KEY PLAN: KAAHUMANU HALE (MAIN ROOF)

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ASBESTOS SAMPLE LOCATION PLAN

BLDG #	NAME OF BUILDING	ADDRESS	SKETCH #
KH	KAAHUMANU HALE	777 PUNCHBOWL STREET HONOLULU, HI 96813	498-KH-R 2 OF 3



KAAHUMANU HALE - PARTIAL ROOF PLAN (MAIN ROOF)
NOT TO SCALE

LEGEND

ACM: ← SAMPLE #

NON-ACM: ← SAMPLE #

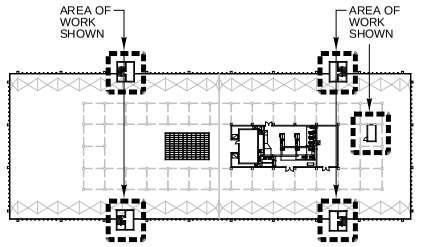
NORTH

ASBESTOS-CONTAINING MATERIALS (ACM)* :

NO ACM DETECTED IN AREAS SAMPLED

*ASBESTOS-CONTAINING MATERIAL (ACM) IS DEFINED AS ANY MATERIAL CONTAINING > 1 % ASBESTOS.

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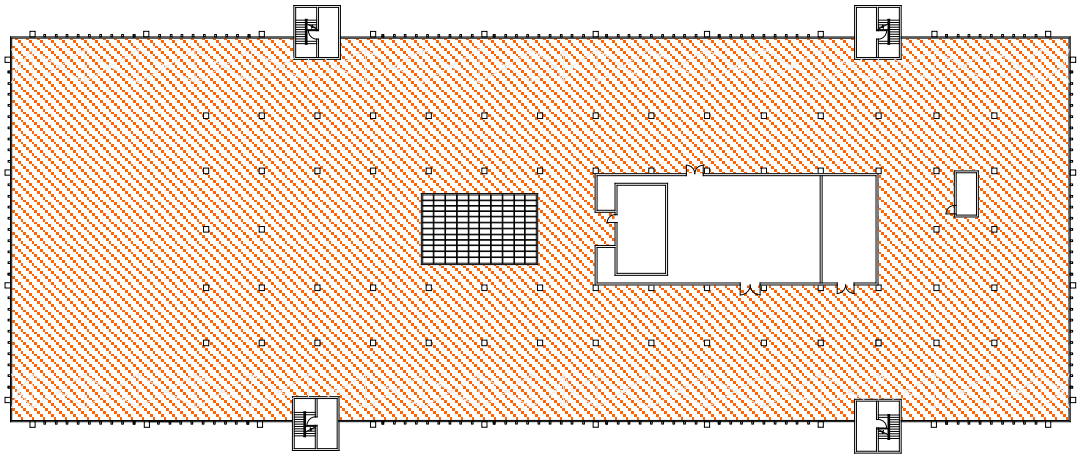
KEY PLAN: KAAHUMANU HALE (MAIN ROOF)

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ASBESTOS SAMPLE LOCATION PLAN

BLDG #	NAME OF BUILDING	ADDRESS	SKETCH #
KH	KAAHUMANU HALE	777 PUNCHBOWL STREET HONOLULU, HI 96813	498-KH-R 3 OF 3



LEGEND

ACM: ——◄—— SAMPLE #

NON-ACM: ——◄—— SAMPLE #

NORTH

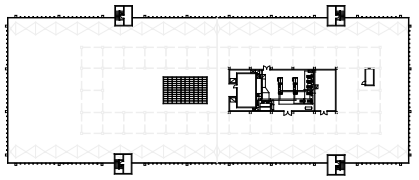
ASBESTOS-CONTAINING MATERIALS (ACM)* :

*ACM are described in this Legend in **boldface** text; Non-ACM (listed here only if layered with ACM) are described in plain text.

ALL EXTERIOR ROOFING MATERIALS WERE NOT SAMPLED DURING TIME OF SURVEY, THEREFORE ALL MATERIALS ARE TO BE ASSUMED ACM

* ASBESTOS-CONTAINING MATERIAL (ACM) IS DEFINED AS ANY MATERIAL CONTAINING > 1 % ASBESTOS.

THIS SURVEY WAS LIMITED IN SCOPE TO SPECIFIC AREAS AFFECTED BY PLANNED RENOVATION ACTIVITIES ONLY; THEREFORE, THIS REPORT MAKES NO WARRANTY FOR AREAS OF THE BUILDING WHICH WERE NOT INCLUDED IN THE SCOPE OF THE SURVEY.



NORTH

KAAHUMANU HALE - ROOF PLAN (MAIN ROOF)
NOT TO SCALE

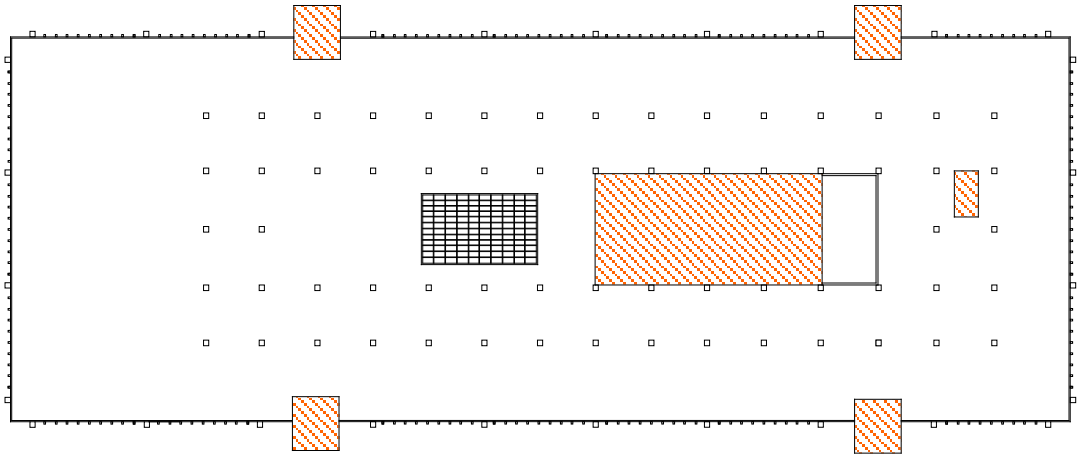
KEY PLAN: KAAHUMANU HALE (MAIN ROOF)

EMET I.D. #1511498

EnvironMETeo (EMET) Services, Inc. 94-520 Uke'e Street, Suite A Waipahu, Hawaii 96797 Phone: (808) 671-8383 Fax: (808) 671-7979

ASBESTOS SAMPLE LOCATION PLAN

BLDG #	NAME OF BUILDING	ADDRESS	SKETCH #
KH	KAAHUMANU HALE	777 PUNCHBOWL STREET HONOLULU, HI 96813	498-KH-HR 1 OF 1



LEGEND

ACM: ← SAMPLE #

NON-ACM: ← SAMPLE #

NORTH

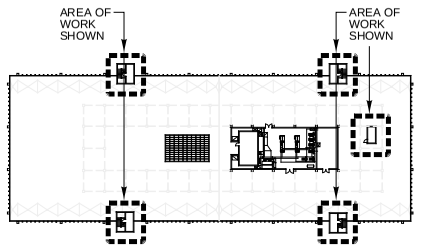
ASBESTOS-CONTAINING MATERIALS (ACM)* :

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KAAHUMANU HALE - ROOF PLAN (HIGH ROOF)
NOT TO SCALE

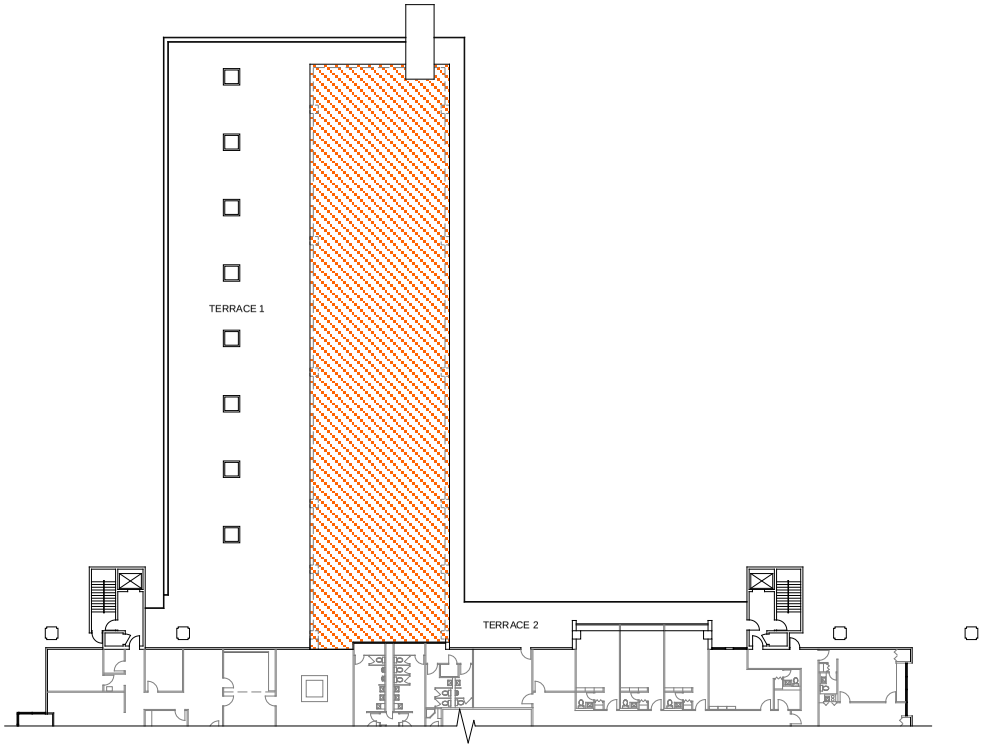
KEY PLAN: KAAHUMANU HALE (HIGH ROOF)

EMET I.D. #1511498

EnvironMETeo (EMET) Services, Inc. 94-520 Uke'e Street, Suite A Waipahu, Hawaii 96797 Phone: (808) 671-8383 Fax: (808) 671-7979

ASBESTOS SAMPLE LOCATION PLAN

BLDG #	NAME OF BUILDING	ADDRESS	SKETCH #
KH	KAAHUMANU HALE	777 PUNCHBOWL STREET HONOLULU, HI 96813	498-KH-LR 1 OF 1



KAAHUMANU HALE - PARTIAL SECOND FLOOR PLAN (LOWER ROOF)
NOT TO SCALE

LEGEND

ACM: ← SAMPLE #

NON-ACM: ← SAMPLE #

NORTH

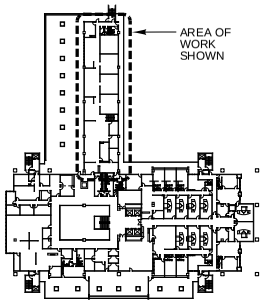
ASBESTOS-CONTAINING MATERIALS (ACM)* :

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ALL EXTERIOR ROOFING MATERIALS WERE NOT SAMPLED DURING TIME OF SURVEY, THEREFORE ALL MATERIALS ARE TO BE ASSUMED ACM

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NORTH

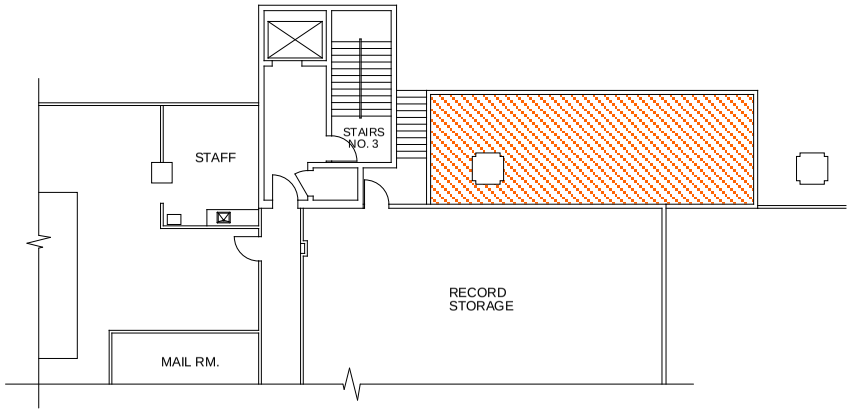
KEY PLAN: KAAHUMANU HALE (SECOND FLOOR)

EMET I.D. #1511498

EnvironMETeo (EMET) Services, Inc. 94-520 Uke'e Street, Suite A Waipahu, Hawaii 96797 Phone: (808) 671-8383 Fax: (808) 671-7979

ASBESTOS SAMPLE LOCATION PLAN

BLDG #	NAME OF BUILDING	ADDRESS	SKETCH #
KH	KAAHUMANU HALE	777 PUNCHBOWL STREET HONOLULU, HI 96813	498-KH-LMR 1 OF 1



KAAHUMANU HALE - PARTIAL FIRST FLOOR PLAN (LOWER MECH. ROOF)
NOT TO SCALE

LEGEND

ACM: ← SAMPLE #

NON-ACM: ← SAMPLE #

NORTH

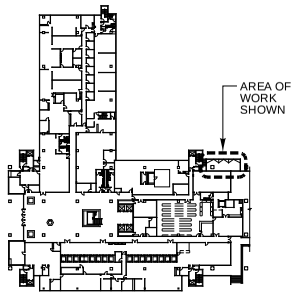
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NORTH

KEY PLAN: KAAHUMANU HALE (FIRST FLOOR)

EMET I.D. #1511498

EnvironMETeo (EMET) Services, Inc. 94-520 Uke'e Street, Suite A Waipahu, Hawaii 96797 Phone: (808) 671-8383 Fax: (808) 671-7979

Appendix C

Lead Paint Test Results

EnvironMETeo (EMET) Services, Inc. Waipio Gentry Business Park 94-520 Uke'e Street, SuiteA Waipahu, Hawaii, USA 96797-4200
(808) 671-8383…Telephone (808) 671-7979…Facsimile emet@emetservices.com…Email

Laboratory Report

Painted Surfaces Total Elemental Lead Analyses
by X-Ray Fluorescence

EMET ID: 1511498

Test Date: August 30, 2017

Judiciary Condition Assessment
Ka'ahumanu Hale

XRF#	Location	Side	Component	Substrate	Condition	Color	PbC (mg/cm²)	Lead-Based Paint	Confirmed Lead-Containing Paint
792	Calibration						1.00 ± 0.10		
793	Calibration						1.00 ± 0.10		
794	Calibration						1.00 ± 0.10		
795	1st Fl, Jury Assembly	North	wall	gypboard	fair	light blue	<LOD	no	no
796	1st Fl, Jury Assembly	North	window frame	wood	fair	brown	<LOD	no	no
797	1st Fl, Jury Assembly	North	door frame	wood	fair	brown	0.02 ± 0.08	no	yes
798	1st Fl, Jury Assembly	North	door	wood	fair	brown	<LOD	no	no
799	1st Fl, Jury Assembly	North	column	concrete	fair	light blue	<LOD	no	no
800	1st Fl, Jury Assembly	North	window sill	concrete	fair	blue	<LOD	no	no
801	1st Fl, Jury Assembly	North	column	concrete	fair	blue	<LOD	no	no
802	1st Fl, Jury Assembly, Server Rm	South	wall	gypboard	fair	light beige	<LOD	no	no
803	1st Fl, Jury Assembly, Server Rm	East	wall	concrete	fair	light beige	<LOD	no	no
804	1st Fl, Jury Assembly, Server Rm	East	conduit pipe	metal	fair	light beige	<LOD	no	no
805	1st Fl, Jury Assembly, Server Rm	North	wall	concrete	fair	light beige	<LOD	no	no
806	1st Fl, Jury Assembly, Server Rm	West	wall	gypboard	fair	light beige	<LOD	no	no
807	1st Fl, Jury Assembly, Server Rm	West	conduit pipe	metal	fair	light beige	<LOD	no	no
808	1st Fl, Jury Assembly	East	wall	gypboard	fair	light blue	<LOD	no	no
809	1st Fl, Jury Assembly	East	column	concrete	fair	light blue	<LOD	no	no
810	1st Fl, Jury Assembly	East	wall	gypboard	fair	light blue	<LOD	no	no
811	1st Fl, Jury Assembly	South	wall	gypboard	fair	light blue	<LOD	no	no
812	1st Fl, Jury Assembly	South	door frame	wood	fair	stained	<LOD	no	no
813	1st Fl, Jury Assembly, Men's		ceiling	gypboard	fair	beige	<LOD	no	no
814	1st Fl, Jury Assembly	South	wall	gypboard	fair	blue	<LOD	no	no
815	1st Fl, Jury Assembly	South	door frame	wood	fair	brown	<LOD	no	no
816	1st Fl, Jury Assembly	South	door	wood	fair	dark purple	<LOD	no	no
817	1st Fl, Jury Assembly	South	wall	gypboard	fair	light blue	<LOD	no	no
818	1st Fl, Jury Assembly	South	wall trim	wood	fair	stained	<LOD	no	no
819	1st Fl, Jury Assembly	West	wall	gypboard	fair	light blue	<LOD	no	no
820	1st Fl, Jury Control	East	door frame	wood	fair	brown	<LOD	no	no
821	1st Fl, Jury Control, Storage	North	wall	concrete	fair	beige	<LOD	no	no
822	NULL								
823	1st Fl, Jury Control, Storage	West	wall	gypboard	fair	beige	<LOD	no	no
824	1st Fl, Jury Control, Storage	South	column	concrete	fair	beige	0.01 ± 0.04	no	yes
825	1st Fl, Jury Control, Storage	East	wall	gypboard	fair	beige	<LOD	no	no
826	1st Fl, Jury Control, Storage	West	door frame	wood	fair	brown	<LOD	no	no
827	1st Fl, Jury Control	East	wall	gypboard	fair	light blue	<LOD	no	no
828	1st Fl, Jury Control	East	wall	concrete	fair	light blue	<LOD	no	no
829	1st Fl, Jury Control	North	door frame	wood	fair	brown	<LOD	no	no
830	1st Fl, Jury Control	North	wall	gypboard	fair	blue	<LOD	no	no
831	1st Fl, Jury Control	West	wall	gypboard	fair	light blue	<LOD	no	no
832	1st Fl, Jury Control	West	wall	concrete	fair	light blue	<LOD	no	no
833	1st Fl, Jury Control	West	wall	concrete	fair	light blue	<LOD	no	no
834	1st Fl, Jury Control	West	door frame	wood	fair	brown	<LOD	no	no
835	1st Fl, Jury Control	West	door	wood	fair	brown	<LOD	no	no
836	1st Fl, Jury Control	South	wall	gypboard	fair	light blue	<LOD	no	no
837	1st Fl, Jury Control	South	window frame	wood	fair	brown	<LOD	no	no
838	1st Fl, Jury Control, Office/Storage	South	door frame	wood	fair	brown	<LOD	no	no
839	1st Fl, Jury Control, Office/Storage	South	wall	gypboard	fair	blue	<LOD	no	no
840	1st Fl, Jury Control, Office/Storage	East	wall	gypboard	fair	blue	<LOD	no	no
841	1st Fl, Jury Control, Office/Storage	North	wall	concrete	fair	blue	<LOD	no	no
842	1st Fl, Jury Control	West	wall	gypboard	fair	blue	<LOD	no	no
843	1st Fl, Lobby, B-1	South	wall	concrete	fair	beige	<LOD	no	no
844	1st Fl, Lobby, B-1	East	wall	concrete	fair	beige	<LOD	no	no
845	1st Fl, Lobby, B-1	North	wall	concrete	fair	beige	<LOD	no	no
846	1st Fl, Lobby, B-1	West	wall	concrete	fair	beige	<LOD	no	no
847	1st Fl, Lobby, B-1	East	elevator door frame	metal	fair	brown	0.02 ± 0.04	no	yes
848	1st Fl, Lobby, B-1	North	door frame	metal	fair	brown	<LOD	no	no

Determination of paint as lead-based paint by the U. S. Department of Housing and Urban Development (HUD) is based on the values in the "**PbC**" column reported in mg/cm^2 (milligrams per square centimeter). HUD regulations; 24 CFR Parts 35, 200, 881, and 886; and Guidelines for the Evaluation and Control of Lead-based Paint (LBP) Hazards in Housing, dated June 1995, define LBP as paint with a lead content of 1.0 mg/cm^2 or greater. <LOD = less than instrument level of detection.

However, OSHA and HIOSH regulate activities disturbing paint that contains lead (lead-containing paint), even if the content is below the HUD standard.

EnvironMETeo (EMET) Services, Inc. Waipio Gentry Business Park 94-520 Uke'e Street, SuiteA Waipahu, Hawaii, USA 96797-4200
(808) 671-8383...Telephone (808) 671-7979...Facsimile emet@emetservices.com...Email

Judiciary Condition Assessment
Ka'ahumanu Hale

XRF#	Location	Side	Component	Substrate	Condition	Color	PbC (mg/cm²)	Lead-Based Paint	Confirmed Lead-Containing Paint
849	1st Fl, Lobby, B-1	North	door	metal	fair	brown	<LOD	no	no
850	1st Fl, Lobby, B-1/Telephone	East	wall	concrete	fair	light beige	<LOD	no	no
851	1st Fl, Lobby, B-1/Telephone	West	wall	concrete	fair	light beige	<LOD	no	no
852	1st Fl, Lobby, B-1/Telephone	West	conduit pipe	metal	fair	light beige	<LOD	no	no
853	1st Fl, Lobby, B-1/Telephone	North	wall	concrete	fair	light beige	<LOD	no	no
854	1st Fl, Lobby, B-1/Telephone	South	wall	concrete	fair	light beige	<LOD	no	no
855	1st Fl, Lobby, B-1/Telephone	South	door frame	metal	fair	brown	<LOD	no	no
856	1st Fl, Lobby, B-1	South	door	metal	fair	brown	<LOD	no	no
857	1st Fl, Snack Shop	West	wall	gypboard	fair	white	<LOD	no	no
858	1st Fl, Snack Shop	North	wall	gypboard	fair	white	<LOD	no	no
859	1st Fl, Snack Shop	East	wall	gypboard	fair	white	<LOD	no	no
860	1st Fl, Snack Shop	South	wall	gypboard	fair	white	<LOD	no	no
861	1st Fl, Snack Shop	East	door frame	wood	fair	brown	<LOD	no	no
862	1st Fl, Snack Shop Storage	East	wall	gypboard	fair	white	<LOD	no	no
863	1st Fl, Snack Shop Storage	North	wall	gypboard	fair	white	<LOD	no	no
864	NULL								
865	1st Fl, Snack Shop Storage	West	wall	gypboard	fair	white	0.02 ± 0.10	no	yes
866	1st Fl, Security Station	North	wall	gypboard	fair	pale white	<LOD	no	no
867	1st Fl, Security Station	South	wall	gypboard	fair	pale white	<LOD	no	no
868	1st Fl, Security Station	West	wall	gypboard	fair	pale white	<LOD	no	no
869	1st Fl, Security Station	South	door frame	wood	fair	brown	<LOD	no	no
870	1st Fl, Janitor Closet	East	door frame	wood	fair	brown	<LOD	no	no
871	1st Fl, Janitor Closet	North	wall	gypboard	fair	beige	<LOD	no	no
872	1st Fl, Janitor Closet	West	wall	gypboard	fair	beige	<LOD	no	no
873	NULL								
874	1st Fl, Janitor Closet	South	wall	gypboard	fair	beige	<LOD	no	no
875	1st Fl, Adult Probation Reception	East	door frame	wood	fair	brown	<LOD	no	no
876	1st Fl, Adult Probation	North	wall	gypboard	fair	beige	<LOD	no	no
877	1st Fl, Adult Probation	East	door frame	wood	fair	brown	<LOD	no	no
878	1st Fl, Adult Probation	North	door frame	wood	fair	brown	<LOD	no	no
879	1st Fl, Adult Probation, Rm. 29	North	door	wood	fair	stained	<LOD	no	no
880	1st Fl, Adult Probation	East	wall	gypboard	fair	beige	<LOD	no	no
881	1st Fl, Adult Probation	East	door frame	wood	fair	brown	<LOD	no	no
882	1st Fl, Adult Probation		column	concrete	fair	beige	<LOD	no	no
883	1st Fl, Adult Probation	North	window frame	concrete	fair	beige	<LOD	no	no
884	1st Fl, Adult Probation, Staff Lounge	North	wall	gypboard	fair	beige	<LOD	no	no
885	1st Fl, Adult Probation, Staff Lounge	East	wall	gypboard	fair	beige	<LOD	no	no
886	1st Fl, Adult Probation, Staff Lounge	South	wall	gypboard	fair	beige	<LOD	no	no
887	1st Fl, Adult Probation, Staff Lounge	South	door frame	wood	fair	brown	<LOD	no	no
888	1st Fl, Adult Probation, Staff Lounge	West	wall	gypboard	fair	beige	<LOD	no	no
889	1st Fl, Adult Probation hallway	East	door frame	wood	fair	brown	<LOD	no	no
890	1st Fl, Adult Probation, Men's	North	door	wood	fair	stained	0.01 ± 0.03	no	yes
891	1st Fl, Adult Probation, Men's	North	door frame	wood	fair	brown	<LOD	no	no
892	1st Fl, Adult Probation, Men's	West	door frame	plastic	fair	brown	<LOD	no	no
893	NULL								
894	1st Fl, Adult Probation, Men's		ceiling	gypboard	fair	beige	<LOD	no	no
895	1st Fl, Adult Probation, Mental Health Office	North	wall	gypboard	fair	beige	<LOD	no	no
896	1st Fl, Adult Probation, Mental Health Office	East	wall	gypboard	fair	beige	0.01 ± 0.06	no	yes
897	1st Fl, Adult Probation, Mental Health Office	South	wall	gypboard	fair	beige	<LOD	no	no
898	1st Fl, Adult Probation, Mental Health Office	West	wall	gypboard	fair	beige	<LOD	no	no
899	1st Fl, Adult Probation, Mental Health Office	West	door frame	wood	fair	brown	<LOD	no	no
900	1st Fl, Adult Probation, Interview 4	North	wall	gypboard	fair	beige	<LOD	no	no
901	1st Fl, Adult Probation, Interview 4	East	wall	gypboard	fair	beige	<LOD	no	no
902	1st Fl, Adult Probation, Interview 4	South	wall	gypboard	fair	beige	<LOD	no	no
903	1st Fl, Adult Probation, Interview 4	West	wall	gypboard	fair	beige	<LOD	no	no
904	1st Fl, Adult Probation, Interview 4	West	door frame	wood	fair	brown	<LOD	no	no
905	1st Fl, Adult Probation, Interview 2	North	wall	gypboard	fair	beige	<LOD	no	no
906	1st Fl, Adult Probation, Interview 2	East	wall	gypboard	fair	beige	<LOD	no	no
907	1st Fl, Adult Probation, Interview 2	South	wall	gypboard	fair	beige	<LOD	no	no
908	1st Fl, Adult Probation, Interview 2	West	wall	gypboard	fair	beige	<LOD	no	no
909	1st Fl, Adult Probation, Interview 2	West	door frame	wood	fair	brown	<LOD	no	no
910	1st Fl, Adult Probation, Interview 10	North	wall	gypboard	fair	dark beige	<LOD	no	no

Determination of paint as lead-based paint by the U. S. Department of Housing and Urban Development (HUD) is based on the values in the "**PbC**" column reported in mg/cm^2 (milligrams per square centimeter). HUD regulations; 24 CFR Parts 35, 200, 881, and 886; and Guidelines for the Evaluation and Control of Lead-based Paint (LBP) Hazards in Housing, dated June 1995, define LBP as paint with a lead content of 1.0 mg/cm^2 or greater. <LOD = less than instrument level of detection.

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(808) 671-8383...Telephone (808) 671-7979...Facsimile emet@emetservices.com...Email

Judiciary Condition Assessment
Ka'ahumanu Hale

XRF#	Location	Side	Component	Substrate	Condition	Color	PbC (mg/cm²)	Lead-Based Paint	Confirmed Lead-Containing Paint
911	1st Fl, Adult Probation, Interview 10	East	wall	gypboard	fair	dark beige	<LOD	no	no
912	1st Fl, Adult Probation, Interview 10	South	column	concrete	fair	dark beige	<LOD	no	no
913	1st Fl, Adult Probation, Interview 10	West	wall	gypboard	fair	dark beige	<LOD	no	no
914	1st Fl, Adult Probation, Interview 10	South	door frame	wood	fair	brown	<LOD	no	no
915	1st Fl, Adult Probation, Conference Rm	North	wall	gypboard	fair	beige	<LOD	no	no
916	1st Fl, Adult Probation, Conference Rm	North	door frame	wood	fair	beige	<LOD	no	no
917	1st Fl, Adult Probation, Conference Rm	West	wall	gypboard	fair	beige	<LOD	no	no
918	1st Fl, Adult Probation, Conference Rm	South	door frame	wood	fair	brown	<LOD	no	no
919	1st Fl, Adult Probation, Conference Rm	South	wall	gypboard	fair	beige	<LOD	no	no
920	1st Fl, Adult Probation, Conference Rm	East	wall	gypboard	fair	beige	<LOD	no	no
921	1st Fl, Adult Probation, Interview 9	North	door frame	wood	fair	brown	<LOD	no	no
922	1st Fl, Adult Probation, Interview 9	North	wall	gypboard	fair	beige	<LOD	no	no
923	1st Fl, Adult Probation, Interview 9	East	wall	gypboard	fair	beige	<LOD	no	no
924	1st Fl, Adult Probation, Interview 9	South	wall	gypboard	fair	beige	<LOD	no	no
925	1st Fl, Adult Probation, Interview 9	West	wall	gypboard	fair	beige	<LOD	no	no
926	1st Fl, Adult Probation, Records	North	wall	gypboard	fair	beige	<LOD	no	no
927	1st Fl, Adult Probation, Records	West	wall	gypboard	fair	beige	<LOD	no	no
928	1st Fl, Adult Probation, Records	West	door frame	wood	fair	brown	<LOD	no	no
929	1st Fl, Adult Probation, Records	South	wall	gypboard	fair	beige	<LOD	no	no
930	1st Fl, Adult Probation, Records	East	wall	gypboard	fair	beige	<LOD	no	no
931	1st Fl, Adult Probation, Records	East	column	concrete	fair	beige	<LOD	no	no
932	1st Fl, Adult Probation, Storage	West	wall	gypboard	fair	beige	0.01 ± 0.05	no	yes
933	1st Fl, Adult Probation, Storage	South	wall	gypboard	fair	beige	<LOD	no	no
934	1st Fl, Adult Probation, Storage	South	door frame	wood	fair	brown	<LOD	no	no
935	1st Fl, Adult Probation, Storage	East	wall	gypboard	fair	beige	<LOD	no	no
936	1st Fl, Adult Probation, Admin	South	column	concrete	fair	beige	0.01 ± 0.06	no	yes
937	1st Fl, Adult Probation, Admin	West	wall	gypboard	fair	beige	<LOD	no	no
938	1st Fl, Adult Probation, Admin	West	window sill	concrete	fair	beige	<LOD	no	no
939	1st Fl, Adult Probation, Admin	North	wall	gypboard	fair	beige	<LOD	no	no
940	1st Fl, Adult Probation, Admin	North	door frame	wood	fair	brown	<LOD	no	no
941	1st Fl, Adult Probation, Admin	North	door	wood	fair	stained	<LOD	no	no
942	1st Fl, Adult Probation, Admin	East	wall	gypboard	fair	beige	<LOD	no	no
943	1st Fl, Adult Probation, Steno	South	wall	gypboard	fair	beige	<LOD	no	no
944	1st Fl, Adult Probation, Steno	East	wall	gypboard	fair	beige	<LOD	no	no
945	1st Fl, Adult Probation, Steno	West	wall	gypboard	fair	beige	<LOD	no	no
946	1st Fl, Juvenile, Steno	North	door frame	wood	fair	brown	<LOD	no	no
947	1st Fl, Juvenile, Steno	East	column	concrete	fair	light beige	<LOD	no	no
948	1st Fl, Juvenile, Steno	North	door frame	wood	fair	brown	<LOD	no	no
949	1st Fl, Juvenile, Steno/Storage	North	wall	gypboard	fair	beige	<LOD	no	no
950	1st Fl, Juvenile, Steno/Storage	West	wall	CMU	fair	beige	<LOD	no	no
951	1st Fl, Juvenile, Steno/Storage	South	wall	gypboard	fair	beige	0.01 ± 0.07	no	yes
952	1st Fl, Juvenile, Steno/Storage	South	door frame	wood	fair	brown	<LOD	no	no
953	1st Fl, Juvenile, Intake & Probational Svcs	North	door frame	wood	fair	brown	<LOD	no	no
954	1st Fl, Juvenile, Intake & Probational Svcs	North	wall	gypboard	fair	beige	<LOD	no	no
955	1st Fl, Juvenile, Intake & Probational Svcs	East	wall	concrete	fair	beige	<LOD	no	no
956	1st Fl, Juvenile, Intake & Probational Svcs	East	column	concrete	fair	beige	<LOD	no	no
957	NULL								
958	1st Fl, Juvenile, Intake & Probational Svcs	East	wall	gypboard	fair	beige	<LOD	no	no
959	1st Fl, Juvenile, Intake & Probational Svcs	South	wall	gypboard	fair	beige	<LOD	no	no
960	1st Fl, Juvenile, Intake & Probational Svcs	West	wall	gypboard	fair	beige	<LOD	no	no
961	1st Fl, Juvenile, Intake & Probational Svcs	West	column	concrete	fair	beige	<LOD	no	no
962	1st Fl, Main Lobby, Women's	South	door frame	wood	fair	brown	<LOD	no	no
963	1st Fl, Main Lobby, Women's		ceiling	gypboard	fair	beige	<LOD	no	no
964	1st Fl, Main Lobby, Janitor	North	wall	gypboard	fair	beige	0.02 ± 0.09	no	yes
965	1st Fl, Main Lobby, Janitor	West	wall	gypboard	fair	beige	<LOD	no	no
966	1st Fl, Main Lobby, Janitor	South	wall	gypboard	fair	beige	<LOD	no	no
967	1st Fl, Main Lobby, Janitor	South	door frame	wood	fair	brown	<LOD	no	no
968	NULL								
969	1st Fl, Court Reporter	North	wall	concrete	fair	beige	<LOD	no	no
970	1st Fl, Court Reporter	North	wall	gypboard	fair	beige	<LOD	no	no
971	1st Fl, Court Reporter	North	window sill	concrete	fair	beige	0.01 ± 0.03	no	yes
972	1st Fl, Court Reporter	North	column	concrete	intact	beige	<LOD	no	no

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Judiciary Condition Assessment
Ka'ahumanu Hale

XRF#	Location	Side	Component	Substrate	Condition	Color	PbC (mg/cm²)	Lead-Based Paint	Confirmed Lead-Containing Paint
973	1st Fl, Court Reporter	East	wall	concrete	fair	beige	<LOD	no	no
974	1st Fl, Court Reporter	East	wall	gypboard	fair	beige	<LOD	no	no
975	1st Fl, Court Reporter	East	door frame	wood	fair	brown	<LOD	no	no
976	1st Fl, Court Reporter, Supervisor	East	door frame	wood	fair	brown	<LOD	no	no
977	1st Fl, Court Reporter, Supervisor	North	wall	gypboard	fair	off white	<LOD	no	no
978	1st Fl, Court Reporter, Supervisor	East	wall	gypboard	fair	off white	<LOD	no	no
979	1st Fl, Court Reporter, Supervisor	South	wall	gypboard	fair	off white	<LOD	no	no
980	1st Fl, Court Reporter, Supervisor	South	wall	gypboard	fair	off white	<LOD	no	no
981	1st Fl, Court Reporter, Supervisor	South	door frame	wood	fair	brown	<LOD	no	no
982	1st Fl, Court Reporter	South	wall	gypboard	fair	beige	<LOD	no	no
983	1st Fl, Court Reporter	West	wall	gypboard	fair	beige	<LOD	no	no
984	1st Fl, Mech Rm 1078	North	door frame	metal	fair	brown	0.08 ± 0.27	no	yes
985	1st Fl, Mech Rm 1078	North	door	metal	fair	brown	0.03 ± 0.10	no	yes
986	1st Fl, Mech Rm 1078	North	wall	CMU	fair	beige	0.02 ± 0.03	no	yes
987	1st Fl, Mech Rm 1078	North	column	concrete	fair	beige	0.01 ± 0.02	no	yes
988	1st Fl, Mech Rm 1078	East	wall	CMU	fair	beige	-0.17 ± 1.11	no	yes
989	1st Fl, Mech Rm 1078	East	wall	CMU	fair	beige	-0.10 ± 1.08	no	yes
990	1st Fl, Mech Rm 1078	East	wall	CMU	fair	beige	0.04 ± 0.04	no	yes
991	1st Fl, Mech Rm 1078	South	wall	CMU	fair	beige	0.01 ± 0.02	no	yes
992	1st Fl, Mech Rm 1078	South	conduit pipe	metal	fair	beige	<LOD	no	no
993	1st Fl, Mech Rm 1078	West	wall	concrete	fair	beige	0.01 ± 0.03	no	yes
994	1st Fl, Mech Rm 1078	West	conduit pipe	metal	fair	beige	<LOD	no	no
995	1st Fl, Mech Rm 1078		AHU	metal	fair	beige	0.02 ± 0.07	no	yes
996	1st Fl, Electrical Rm	North	wall	concrete	fair	beige	-0.64 ± 1.15	no	yes
997	1st Fl, Electrical Rm	North	wall	concrete	fair	beige	<LOD	no	no
998	1st Fl, Electrical Rm	East	wall	concrete	fair	beige	<LOD	no	no
999	1st Fl, Electrical Rm	South	wall	concrete	fair	beige	<LOD	no	no
1000	1st Fl, Electrical Rm	West	wall	concrete	fair	beige	<LOD	no	no
1001	1st Fl, Electrical Rm	West	door frame	metal	fair	brown	<LOD	no	no
1002	1st Fl, Electrical Rm	West	door	metal	fair	brown	<LOD	no	no
1003	1st Fl, Electrical Rm	North	conduit pipe	metal	fair	beige	0.01 ± 0.05	no	yes
1004	1st Fl, Reporters Storage	North	wall	concrete	fair	beige	<LOD	no	no
1005	1st Fl, Reporters Storage	East	wall	concrete	fair	beige	<LOD	no	no
1006	1st Fl, Reporters Storage	East	column	concrete	fair	beige	<LOD	no	no
1007	1st Fl, Reporters Storage	East	wall	gypboard	fair	beige	<LOD	no	no
1008	1st Fl, Reporters Storage	East	door frame	wood	fair	brown	<LOD	no	no
1009	1st Fl, Reporters Storage	South	wall	gypboard	fair	beige	0.02 ± 0.08	no	yes
1010	1st Fl, Reporters Storage	South	door frame	wood	fair	brown	<LOD	no	no
1011	1st Fl, Reporters Storage	South	column	concrete	fair	beige	<LOD	no	no
1012	1st Fl, Reporters Storage	West	wall	CMU	fair	beige	<LOD	no	no
1013	NULL								
1014	Calibration						1.00 ± 0.10		
1015	Calibration						1.00 ± 0.10		
1016	Calibration						1.00 ± 0.10		

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Laboratory Report

Painted Surfaces Total Elemental Lead Analyses
by X-Ray Fluorescence

EMET ID: 1511498

Test Date: August 31, 2017

Judiciary Condition Assessment
Ka'ahumanu Hale

XRF#	Location	Side	Component	Substrate	Condition	Color	PbC (mg/cm²)	Lead-Based Paint	Confirmed Lead-Containing Paint
2	Calibration						1.00 ± 0.10		
3	Calibration						1.00 ± 0.10		
4	Calibration						1.00 ± 0.10		
5	1st Fl, Land & Tax Appeal Court	North	wall	concrete	fair	beige	<LOD	no	no
6	1st Fl, Land & Tax Appeal Court	East	wall	concrete	intact	beige	0.50 ± 0.50	no	yes
7	1st Fl, Land & Tax Appeal Court	East	wall	gypboard	intact	beige	<LOD	no	no
8	1st Fl, Land & Tax Appeal Court	South	wall	gypboard	intact	beige	<LOD	no	no
9	1st Fl, Land & Tax Appeal Court	West	wall	gypboard	intact	beige	<LOD	no	no
10	1st Fl, Land & Tax Appeal Court	West	door frame	wood	intact	brown	<LOD	no	no
11	1st Fl, Land & Tax Appeal Court	North	elevator door frame	metal	fair	brown	0.02 ± 0.05	no	yes
12	1st Fl, Land & Tax Appeal Court	North	stairs	concrete	intact	beige	<LOD	no	no
13	1st Fl, Clerks Office	North	door frame	wood	peeling	brown	<LOD	no	no
14	1st Fl, Clerks Office	North	wall	gypboard	intact	beige	<LOD	no	no
15	1st Fl, Clerks Office	East	wall	concrete	intact	beige	<LOD	no	no
16	NULL								
17	1st Fl, Clerks Office	South	wall	concrete	intact	beige	<LOD	no	no
18	1st Fl, Clerks Office	South	door frame	wood	fair	brown	<LOD	no	no
19	1st Fl, Clerks Office	South	wall	gypboard	intact	beige	<LOD	no	no
20	1st Fl, Clerks Office	South	conduit pipe	metal	intact	beige	<LOD	no	no
21	1st Fl, Clerks Office	West	column	concrete	fair	beige	<LOD	no	no
22	1st Fl, Clerks Office	West	wall	gypboard	intact	beige	<LOD	no	no
23	1st Fl, Fiscal Storage	South	wall	gypboard	fair	beige	<LOD	no	no
24	1st Fl, Fiscal Storage	East	wall	gypboard	intact	beige	<LOD	no	no
25	1st Fl, Fiscal Storage	East	door frame	wood	fair	beige	<LOD	no	no
26	1st Fl, Fiscal Storage	West	wall	gypboard	fair	beige	<LOD	no	no
27	1st Fl, Secretary	North	door frame	wood	intact	brown	<LOD	no	no
28	1st Fl, Secretary	North	door	wood	intact	clear	<LOD	no	no
29	1st Fl, Secretary	South	wall	gypboard	intact	beige	<LOD	no	no
30	1st Fl, Secretary	South	window sill	concrete	intact	beige	<LOD	no	no
31	1st Fl, Secretary	South	column	concrete	intact	beige	<LOD	no	no
32	1st Fl, Secretary	North	wall	gypboard	intact	beige	<LOD	no	no
33	1st Fl, Secretary	East	wall	gypboard	intact	beige	0.01 ± 0.03	no	yes
34	1st Fl, Secretary	West	window sill	concrete	intact	beige	<LOD	no	no
35	1st Fl, Secretary	West	column	concrete	intact	beige	<LOD	no	no
36	NULL								
37	1st Fl, Secretary	West	wall	concrete	intact	dark orange	<LOD	no	no
38	1st Fl, Secretary	South	wall	concrete	fair	beige	<LOD	no	no
39	1st Fl, Record Storage	North	wall	gypboard	intact	beige	<LOD	no	no
40	1st Fl, Record Storage	West	wall	gypboard	intact	beige	0.01 ± 0.04	no	yes
41	1st Fl, Record Storage	South	wall	concrete	intact	beige	<LOD	no	no
42	1st Fl, Record Storage	East	wall	gypboard	intact	beige	<LOD	no	no
43	1st Fl, Record Storage	East	door frame	wood	intact	brown	<LOD	no	no
44	1st Fl, Reception	North	wall	gypboard	intact	beige	<LOD	no	no
45	1st Fl, Reception	West	door frame	wood	intact	light brown	<LOD	no	no
46	1st Fl, Reception	West	wall	gypboard	intact	beige	<LOD	no	no
47	1st Fl, Reception	South	wall	gypboard	intact	beige	<LOD	no	no
48	1st Fl, Reception	South	door frame	wood	intact	brown	<LOD	no	no
49	1st Fl, Atrium/Lobby	North	wall	gypboard	intact	beige	<LOD	no	no
50	1st Fl, Atrium/Lobby	East	wall	concrete	intact	beige	<LOD	no	no
51	1st Fl, Atrium/Lobby	East	wall	gypboard	intact	beige	<LOD	no	no
52	1st Fl, Atrium/Lobby	East	column	concrete	intact	beige	<LOD	no	no
53	1st Fl, Atrium/Lobby	South	wall	gypboard	intact	beige	<LOD	no	no
54	1st Fl, Atrium/Lobby	South	column	concrete	intact	beige	<LOD	no	no
55	1st Fl, Atrium/Lobby	West	column	concrete	intact	beige	<LOD	no	no
56	1st Fl, Atrium/Lobby	West	wall	concrete	intact	beige	<LOD	no	no
57	1st Fl, Atrium/Lobby		stair siding	concrete	intact	beige	<LOD	no	no
58	1st Fl, Duplicating Equipment Room	North	wall	gypboard	intact	beige	<LOD	no	no

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Judiciary Condition Assessment
Ka'ahumanu Hale

XRF#	Location	Side	Component	Substrate	Condition	Color	PbC (mg/cm²)	Lead-Based Paint	Confirmed Lead-Containing Paint
59	1st Fl, Duplicating Equipment Room	East	wall	gypboard	intact	beige	<LOD	no	no
60	1st Fl, Duplicating Equipment Room	South	wall	gypboard	intact	beige	<LOD	no	no
61	1st Fl, Duplicating Equipment Room	South	door frame	wood	intact	brown	<LOD	no	no
62	1st Fl, Duplicating Equipment Room	West	wall	gypboard	intact	beige	<LOD	no	no
63	1st Fl, Staff Lounge	North	wall	gypboard	fair	beige	<LOD	no	no
64	1st Fl, Staff Lounge	East	wall	gypboard	intact	beige	<LOD	no	no
65	1st Fl, Staff Lounge	South	wall	gypboard	intact	beige	<LOD	no	no
66	1st Fl, Staff Lounge	South	column	concrete	intact	beige	<LOD	no	no
67	1st Fl, Staff Lounge	West	wall	concrete	intact	beige	0.01 ± 0.03	no	yes
68	1st Fl, Staff Lounge Storage	North	wall	gypboard	fair	beige	<LOD	no	no
69	1st Fl, Staff Lounge Storage	West	wall	gypboard	intact	beige	<LOD	no	no
70	1st Fl, Staff Lounge Storage	West	door frame	wood	intact	brown	<LOD	no	no
71	1st Fl, Staff Lounge Storage	South	wall	gypboard	intact	beige	<LOD	no	no
72	1st Fl, Staff Lounge Storage	East	wall	gypboard	fair	beige	<LOD	no	no
73	2nd Fl, Office Of Project Management	West	wall	gypboard	intact	beige	<LOD	no	no
74	2nd Fl, Office Of Project Management	North	wall	gypboard	intact	beige	<LOD	no	no
75	2nd Fl, Office Of Project Management	East	wall	gypboard	intact	beige	<LOD	no	no
76	2nd Fl, Office Of Project Management	South	wall	gypboard	intact	beige	<LOD	no	no
77	2nd Fl, Office Of Project Management	West	wall	gypboard	intact	beige	<LOD	no	no
78	2nd Fl, Office Of Project Management	East	door frame	wood	intact	brown	<LOD	no	no
79	2nd Fl, Office Of Project Management	South	window frame	metal	intact	brown	<LOD	no	no
80	2nd Fl, Office Of Project Management	South	door frame	metal	fair	brown	0.01 ± 0.07	no	yes
81	2nd Fl, Office Of Project Management	South	door	metal	intact	brown	<LOD	no	no
82	2nd Fl, Atrium	North	wall	gypboard	intact	beige	<LOD	no	no
83	2nd Fl, Atrium	North	column	concrete	intact	beige	<LOD	no	no
84	2nd Fl, Atrium	North	rafter	wood	intact	clear	<LOD	no	no
85	2nd Fl, Atrium	North	door frame	wood	fair	brown	0.01 ± 0.05	no	yes
86	2nd Fl, Atrium	East	wall	gypboard	intact	beige	<LOD	no	no
87	2nd Fl, Atrium	East	wall	concrete	intact	beige	<LOD	no	no
88	2nd Fl, Atrium	North	wall	concrete	intact	beige	<LOD	no	no
89	2nd Fl, Atrium	South	wall	concrete	intact	beige	<LOD	no	no
90	2nd Fl, Atrium	East	railing	wood	intact	clear	<LOD	no	no
91	2nd Fl, Atrium	South	wall	gypboard	intact	beige	<LOD	no	no
92	2nd Fl, Atrium	South	railing	wood	intact	clear	<LOD	no	no
93	2nd Fl, Atrium	South	column	concrete	intact	beige	<LOD	no	no
94	2nd Fl, Atrium	South	door frame	wood	fair	brown	<LOD	no	no
95	2nd Fl, Atrium	West	stairs	gypboard	fair	beige	<LOD	no	no
96	2nd Fl, Atrium	West	door frame	wood	fair	brown	<LOD	no	no
97	2nd Fl, Atrium	West	railing	wood	intact	clear	<LOD	no	no
98	2nd Fl, Atrium		elevator door frame	metal	intact	brown	0.08 ± 0.13	no	yes
99	2nd Fl, Atrium		stair siding	concrete	intact	beige	<LOD	no	no
100	2nd Fl, Atrium	North	wall trim	gypboard	intact	black	<LOD	no	no
101	NULL								
102	2nd Fl, Atrium	North	wall trim	wood	intact	clear	<LOD	no	no
103	2nd Fl, Atrium	East	wall trim	gypboard	intact	beige	<LOD	no	no
104	2nd Fl, Atrium	East	wall trim	wood	intact	clear	<LOD	no	no
105	2nd Fl, Atrium	South	wall trim	gypboard	intact	beige	<LOD	no	no
106	2nd Fl, Atrium	South	wall trim	wood	intact	clear	<LOD	no	no
107	2nd Fl, Atrium	West	wall trim	gypboard	intact	beige	-0.09 ± 0.82	no	yes
108	NULL								
109	2nd Fl, Atrium	West	wall trim	gypboard	intact	beige	<LOD	no	no
110	2nd Fl, Atrium	West	wall trim	wood	intact	clear	<LOD	no	no
111	2nd Fl, Mail Room	North	wall	gypboard	intact	beige	<LOD	no	no
112	2nd Fl, Mail Room	East	wall	gypboard	intact	beige	<LOD	no	no
113	2nd Fl, Mail Room	South	wall	gypboard	intact	beige	<LOD	no	no
114	2nd Fl, Mail Room	West	wall	gypboard	intact	beige	<LOD	no	no
115	2nd Fl, Mail Room	North	door frame	wood	intact	brown	<LOD	no	no
116	2nd Fl, Mail Room	South	door frame	wood	intact	brown	0.01 ± 0.04	no	yes
117	2nd Fl, Secretary/Clerks	North	wall	gypboard	intact	beige	0.01 ± 0.03	no	yes
118	2nd Fl, Fiscal Room	North	wall	concrete	intact	beige	0.28 ± 0.72	no	yes
119	2nd Fl, Fiscal Room	West	wall	gypboard	intact	beige	<LOD	no	no
120	2nd Fl, Fiscal Room	South	wall	gypboard	intact	beige	<LOD	no	no

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Judiciary Condition Assessment
Ka'ahumanu Hale

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121	2nd Fl, Fiscal Room	South	door frame	wood	intact	brown	<LOD	no	no
122	2nd Fl, Fiscal Room	East	wall	gypboard	intact	beige	<LOD	no	no
123	2nd Fl, Directors Room	East	door frame	wood	intact	cream	<LOD	no	no
124	2nd Fl, Directors Room	West	door frame	wood	intact	brown	<LOD	no	no
125	2nd Fl, Directors Room	East	cabinet	wood	intact	clear	<LOD	no	no
126	2nd Fl, Storage	West	wall	gypboard	intact	beige	<LOD	no	no
127	2nd Fl, Storage	North	wall	concrete	fair	beige	<LOD	no	no
128	2nd Fl, Storage	East	wall	gypboard	intact	beige	<LOD	no	no
129	2nd Fl, Storage	East	door frame	wood	fair	brown	0.01 ± 0.03	no	yes
130	NULL								
131	2nd Fl, Storage	South	wall	gypboard	intact	beige	<LOD	no	no
132	2nd Fl, Lounge	North	wall	gypboard	fair	beige	<LOD	no	no
133	2nd Fl, Lounge	West	wall	gypboard	intact	beige	<LOD	no	no
134	2nd Fl, Lounge	West	wall panel	wood	intact	off white	<LOD	no	no
135	2nd Fl, Lounge	South	wall	gypboard	fair	beige	<LOD	no	no
136	2nd Fl, Lounge	East	wall	gypboard	intact	beige	<LOD	no	no
137	2nd Fl, Lounge	East	conduit pipe	metal	intact	beige	<LOD	no	no
138	2nd Fl, Lounge	East	door frame	wood	fair	brown	<LOD	no	no
139	2nd Fl, Secretary/Clerks	West	wall	gypboard	fair	beige	<LOD	no	no
140	2nd Fl, Secretary/Clerks	South	wall	gypboard	intact	beige	0.01 ± 0.04	no	yes
141	2nd Fl, Secretary/Clerks	South	door frame	wood	intact	brown	<LOD	no	no
142	2nd Fl, Program Specialist	North	wall	concrete	fair	beige	0.01 ± 0.04	no	yes
143	2nd Fl, Program Specialist	North	window sill	concrete	peeling	beige	<LOD	no	no
144	2nd Fl, Program Specialist	West	wall	gypboard	intact	beige	<LOD	no	no
145	2nd Fl, Program Specialist	West	window sill	concrete	fair	beige	<LOD	no	no
146	2nd Fl, Program Specialist	South	wall	metal	fair	beige	<LOD	no	no
147	2nd Fl, Program Specialist	South	column	concrete	intact	beige	<LOD	no	no
148	2nd Fl, Program Specialist #2	South	wall	gypboard	intact	beige	<LOD	no	no
149	2nd Fl, Stats Office	North	wall	gypboard	intact	beige	<LOD	no	no
150	2nd Fl, Stats Office	North	door frame	wood	fair	brown	<LOD	no	no
151	2nd Fl, Stats Office	West	wall	gypboard	intact	beige	<LOD	no	no
152	2nd Fl, Stats Office	South	wall	gypboard	intact	beige	<LOD	no	no
153	2nd Fl, Stats Office	East	wall	gypboard	intact	beige	<LOD	no	no
154	2nd Fl, Volunteer Office	North	wall	gypboard	intact	beige	<LOD	no	no
155	2nd Fl, Volunteer Office	North	column	concrete	intact	beige	<LOD	no	no
156	2nd Fl, Volunteer Office	East	wall	gypboard	intact	beige	<LOD	no	no
157	2nd Fl, Volunteer Office	South	wall	gypboard	intact	beige	<LOD	no	no
158	2nd Fl, Volunteer Office	North	door frame	wood	intact	brown	<LOD	no	no
159	2nd Fl, Staff Kitchen	North	wall base	concrete	intact	beige	0.26 ± 0.72	no	yes
160	2nd Fl, Staff Kitchen	West	wall base	concrete	fair	beige	<LOD	no	no
161	2nd Fl, Staff Kitchen		ceiling	gypboard	peeling	beige	<LOD	no	no
162	2nd Fl, Staff Kitchen	West	column	concrete	fair	beige	<LOD	no	no
163	2nd Fl, Staff Kitchen	South	wall	gypboard	fair	beige	<LOD	no	no
164	2nd Fl, Staff Kitchen	East	wall	gypboard	intact	beige	<LOD	no	no
165	2nd Fl, Staff Kitchen	East	door frame	wood	intact	brown	<LOD	no	no
166	2nd Fl, Staff Kitchen		ceiling	gypboard	intact	beige	<LOD	no	no
167	2nd Fl, Janitor Closet	North	wall	gypboard	fair	beige	0.02 ± 0.08	no	yes
168	2nd Fl, Janitor Closet	North	door frame	wood	fair	brown	<LOD	no	no
169	2nd Fl, Janitor Closet	East	wall	gypboard	fair	beige	0.01 ± 0.04	no	yes
170	2nd Fl, Janitor Closet	South	pipe	metal	intact	beige	0.03 ± 0.09	no	yes
171	2nd Fl, Janitor Closet	South	wall	gypboard	intact	beige	<LOD	no	no
172	2nd Fl, Janitor Closet	East	wall	gypboard	intact	beige	<LOD	no	no
173	2nd Fl, Janitor Closet		ceiling	gypboard	intact	beige	<LOD	no	no
174	2nd Fl, Restrooms		ceiling	gypboard	intact	beige	<LOD	no	no
175	2nd Fl, Adult Probation Offices	East	wall	concrete	intact	beige	<LOD	no	no
176	2nd Fl, Adult Probation Offices	East	column	concrete	intact	beige	<LOD	no	no
177	2nd Fl, Adult Probation Offices	West	wall base	concrete	fair	beige	<LOD	no	no
178	2nd Fl, Adult Probation Admin Offices	North	wall	gypboard	intact	beige	<LOD	no	no
179	2nd Fl, Adult Probation Admin Offices	South	wall	gypboard	intact	beige	<LOD	no	no
180	2nd Fl, Adult Probation Admin Offices	West	wall	gypboard	intact	beige	<LOD	no	no
181	2nd Fl, Adult Probation Admin Offices	East	wall base	concrete	intact	beige	<LOD	no	no
182	2nd Fl, Adult Probation Admin Offices	West	door frame	wood	intact	brown	<LOD	no	no

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Judiciary Condition Assessment
Ka'ahumanu Hale

XRF#	Location	Side	Component	Substrate	Condition	Color	PbC (mg/cm²)	Lead-Based Paint	Confirmed Lead-Containing Paint
183	2nd Fl, Adult Probation Admin Offices	West	door	wood	intact	clear	<LOD	no	no
184	2nd Fl, Adult Probation Admin Offices #2	West	wall	gypboard	intact	beige	<LOD	no	no
185	2nd Fl, Adult Probation Admin Offices #2	South	wall	gypboard	intact	beige	0.02 ± 0.10	no	yes
186	2nd Fl, Adult Probation Admin Offices #2	East	column	concrete	peeling	beige	<LOD	no	no
187	2nd Fl, Adult Probation Copy Room	North	wall	gypboard	fair	beige	<LOD	no	no
188	2nd Fl, Adult Probation Copy Room	East	wall	gypboard	fair	beige	<LOD	no	no
189	2nd Fl, Adult Probation Copy Room	South	wall	gypboard	intact	beige	<LOD	no	no
190	2nd Fl, Adult Probation Copy Room	West	wall	gypboard	fair	beige	<LOD	no	no
191	2nd Fl, Adult Probation Copy Room	West	door frame	wood	intact	brown	<LOD	no	no
192	2nd Fl, Adult Probation Copy Room	West	conduit pipe	metal	intact	beige	<LOD	no	no
193	2nd Fl, Adult Probation Offices	North	wall	gypboard	fair	beige	<LOD	no	no
194	2nd Fl, Adult Probation Offices	East	column	concrete	intact	beige	<LOD	no	no
195	2nd Fl, Adult Probation Offices	West	soffit	gypboard	intact	beige	<LOD	no	no
196	2nd Fl, Family Court, TRO, Janitor Closet	South	wall	gypboard	intact	beige	<LOD	no	no
197	2nd Fl, Family Court, TRO, Janitor Closet	East	wall	gypboard	intact	beige	<LOD	no	no
198	2nd Fl, Family Court, TRO, Janitor Closet	North	wall	gypboard	intact	beige	<LOD	no	no
199	2nd Fl, Family Court, TRO, Janitor Closet	North	door frame	wood	intact	brown	<LOD	no	no
200	2nd Fl, Family Court, TRO, Restrooms		ceiling	gypboard	intact	beige	<LOD	no	no
201	2nd Fl, Family Court, TRO, Staff Lounge	North	wall	concrete	fair	beige	<LOD	no	no
202	2nd Fl, Family Court, TRO, Staff Lounge	North	wall	gypboard	intact	beige	<LOD	no	no
203	2nd Fl, Family Court, TRO, Staff Lounge	East	wall	gypboard	fair	beige	<LOD	no	no
204	2nd Fl, Family Court, TRO, Staff Lounge	East	door frame	wood	fair	brown	<LOD	no	no
205	2nd Fl, Family Court, TRO, Staff Lounge	South	wall	gypboard	fair	beige	<LOD	no	no
206	2nd Fl, Family Court, TRO, Staff Lounge	West	wall	gypboard	intact	dark beige	0.01 ± 0.06	no	yes
207	2nd Fl, Family Court, TRO, Staff Lounge	West	wall	gypboard	intact	beige	-0.08 ± 0.82	no	yes
208	2nd Fl, Family Court, TRO, Conference Room B	West	wall	gypboard	intact	beige	<LOD	no	no
209	2nd Fl, Family Court, TRO, Conference Room B	North	wall base	concrete	fair	beige	<LOD	no	no
210	2nd Fl, Family Court, TRO, Conference Room B	West	wall	gypboard	intact	beige	<LOD	no	no
211	2nd Fl, Family Court, TRO, Conference Room B	South	wall	gypboard	intact	beige	<LOD	no	no
212	2nd Fl, Family Court, TRO, Conference Room B	South	door frame	wood	intact	brown	0.01 ± 0.06	no	yes
213	2nd Fl, Family Court, TRO, Conference Room B	South	door	wood	fair	clear	<LOD	no	no
214	2nd Fl, Family Court, TRO, Conference Room B	East	wall	gypboard	intact	beige	<LOD	no	no
215	2nd Fl, Family Court, TRO, Clerks/Reception	West	wall	gypboard	intact	beige	<LOD	no	no
216	2nd Fl, Family Court, TRO, Clerks/Reception	East	wall	gypboard	intact	beige	<LOD	no	no
217	2nd Fl, Family Court, TRO, Clerks/Reception	North	wall	gypboard	intact	beige	<LOD	no	no
218	2nd Fl, Family Court, TRO, Clerks/Reception	East	column	concrete	fair	beige	<LOD	no	no
219	2nd Fl, Family Court, TRO, Clerks/Reception	East	column	gypboard	intact	beige	<LOD	no	no
220	2nd Fl, Family Court, TRO, Copy Room	North	wall	gypboard	intact	beige	<LOD	no	no
221	2nd Fl, Family Court, TRO, Copy Room	North	door frame	wood	intact	brown	<LOD	no	no
222	2nd Fl, Family Court, TRO, Copy Room	West	wall	gypboard	intact	beige	<LOD	no	no
223	2nd Fl, Family Court, TRO, Copy Room	South	wall	gypboard	fair	beige	<LOD	no	no
224	2nd Fl, Family Court, TRO, Copy Room	East	wall	gypboard	intact	beige	<LOD	no	no
225	NULL								
226	2nd Fl, Family Court, TRO, Kids First/Judge 6 Restroom		ceiling	gypboard	intact	beige	<LOD	no	no
227	2nd Fl, Family Court, TRO, Kids First/Judge 6 Chamber	West	door frame	wood	intact	brown	0.01 ± 0.05	no	yes
228	2nd Fl, Family Court, TRO, Kids First/Judge 6 Chamber	West	door	wood	intact	clear	0.01 ± 0.04	no	yes
229	2nd Fl, Family Court, TRO, Kids First/Judge 6 Chamber	South	door	wood	intact	clear	<LOD	no	no
230	2nd Fl, Family Court, TRO, Kids First/Judge 6 Chamber	South	door frame	wood	intact	clear	<LOD	no	no
231	2nd Fl, Family Court, TRO, Kids First/Judge 6 Closet	East	wall	gypboard	intact	beige	<LOD	no	no
232	2nd Fl, Family Court, TRO, Kids First/Judge 6 Closet	West	wall	gypboard	intact	beige	<LOD	no	no
233	2nd Fl, Family Court, TRO, Courtroom 1/Hearing Room 6	North	wall	wood	intact	clear	<LOD	no	no
234	2nd Fl, Family Court, TRO, Courtroom 1/Hearing Room 6	West	wall	wood	intact	clear	<LOD	no	no
235	2nd Fl, Family Court, TRO, Courtroom 3/Hearing Room 7	North	wall	wood	intact	clear	<LOD	no	no
236	2nd Fl, Family Court, TRO, Courtroom 3/Hearing Room 7	South	wall	wood	intact	clear	<LOD	no	no
237	2nd Fl, Family Court, TRO, Courtroom 5/Hearing Room 8	East	baseboard	wood	intact	clear	<LOD	no	no
238	2nd Fl, Family Court, TRO, Courtroom 5/Hearing Room 8	South	door	wood	intact	clear	<LOD	no	no
239	2nd Fl, Family Court, TRO, Courtroom 7/Hearing Room 9	West	wall	wood	intact	clear	<LOD	no	no
240	2nd Fl, Family Court, TRO, Courtroom 7/Hearing Room 9	North	door	wood	intact	clear	<LOD	no	no
241	2nd Fl, Family Court, TRO, Telephone Room	North	wall	concrete	intact	beige	<LOD	no	no
242	NULL								
243	2nd Fl, Family Court, TRO, Telephone Room	East	wall	concrete	intact	beige	<LOD	no	no
244	2nd Fl, Family Court, TRO, Telephone Room	South	wall	concrete	intact	beige	0.01 ± 0.03	no	yes

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Judiciary Condition Assessment
Ka'ahumanu Hale

XRF#	Location	Side	Component	Substrate	Condition	Color	PbC (mg/cm²)	Lead-Based Paint	Confirmed Lead-Containing Paint
245	2nd Fl, Family Court, TRO, Telephone Room	South	conduit pipe	metal	intact	beige	0.04 ± 0.18	no	yes
246	2nd Fl, Family Court, TRO, Telephone Room	West	wall	concrete	intact	beige	0.05 ± 0.95	no	yes
247	2nd Fl, Family Court, TRO, Telephone Room	West	door frame	metal	intact	brown	<LOD	no	no
248	2nd Fl, Family Court, TRO, Telephone Room	West	door	metal	intact	brown	<LOD	no	no
249	2nd Fl, Family Court, TRO, Judge 1 Toilet		ceiling	gypboard	intact	beige	<LOD	no	no
250	2nd Fl, Family Court, TRO, Judge 1 Closet	North	wall	gypboard	intact	beige	<LOD	no	no
251	2nd Fl, Family Court, TRO, Judge 1 Chamber	North	wall	concrete	intact	beige	<LOD	no	no
252	2nd Fl, Family Court, TRO, Judge 1 Closet	East	wall	gypboard	intact	beige	<LOD	no	no
253	2nd Fl, Family Court, TRO, Judge 1 Chamber	South	wall	gypboard	intact	beige	<LOD	no	no
254	2nd Fl, Family Court, TRO, Judge 1 Chamber	South	door frame	wood	intact	stained	<LOD	no	no
255	2nd Fl, Family Court, TRO, Judge 1 Chamber	South	door	wood	intact	stained	<LOD	no	no
256	2nd Fl, Family Court, TRO, Judge 1 Chamber	East	window sill	concrete	intact	beige	<LOD	no	no
257	2nd Fl, Family Court, TRO, Clerks Offices	North	wall	gypboard	fair	beige	<LOD	no	no
258	2nd Fl, Family Court, TRO, Clerks Offices	East	wall	concrete	fair	beige	<LOD	no	no
259	2nd Fl, Family Court, TRO, Clerks Offices	South	wall	concrete	intact	beige	<LOD	no	no
260	2nd Fl, Family Court, TRO, Clerks Offices	South	door frame	wood	intact	brown	<LOD	no	no
261	2nd Fl, Family Court, TRO, Hearing 1	East	wall	wood	intact	stained	<LOD	no	no
262	2nd Fl, Family Court, TRO, Hearing 1	East	wall base	wood	intact	stained	<LOD	no	no
263	2nd Fl, Family Court, TRO, Hearing 1	North	door	wood	intact	stained	<LOD	no	no
264	2nd Fl, Family Court, TRO, Storage	North	wall	gypboard	intact	beige	<LOD	no	no
265	2nd Fl, Family Court, TRO, Storage	West	wall	gypboard	intact	beige	<LOD	no	no
266	2nd Fl, Family Court, TRO, Storage	South	wall	gypboard	intact	beige	<LOD	no	no
267	2nd Fl, Family Court, TRO, Storage	South	door frame	wood	intact	brown	<LOD	no	no
268	2nd Fl, Family Court, TRO, Storage	East	wall	gypboard	intact	beige	0.02 ± 0.09	no	yes
269	2nd Fl, Family Court, TRO, Judge 9 Restroom		ceiling	gypboard	intact	beige	<LOD	no	no
270	2nd Fl, Family Court, TRO, Judge 9 Chamber	South	door frame	wood	intact	stained	<LOD	no	no
271	2nd Fl, Family Court, TRO, Judge 9 Chamber	South	door	wood	intact	stained	<LOD	no	no
272	2nd Fl, Family Court, TRO, Judge 7 Chamber	South	door frame	wood	intact	stained	<LOD	no	no
273	2nd Fl, Family Court, TRO, Judge 7 Chamber	South	door	wood	intact	stained	<LOD	no	no
274	2nd Fl, Family Court, TRO, Judge 7 Restroom		ceiling	gypboard	intact	beige	<LOD	no	no
275	2nd Fl, Family Court, TRO, Hallway	South	wall	concrete	intact	beige	<LOD	no	no
276	2nd Fl, Family Court, TRO, Hallway	North	wall	gypboard	intact	beige	<LOD	no	no
277	Calibration						1.00 ± 0.10		
278	Calibration						1.00 ± 0.10		
279	Calibration						1.00 ± 0.10		

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Laboratory Report

Painted Surfaces Total Elemental Lead Analyses
by X-Ray Fluorescence

EMET ID: 1511498 **Test Date: September 1, 2017**

Judiciary Condition Assessment
Ka'ahumanu Hale

XRF#	Location	Side	Component	Substrate	Condition	Color	PbC (mg/cm^2)	Lead-Based Paint	Confirmed Lead-Containing Paint
344	Calibration						1.00 ± 0.10		
345	Calibration						1.00 ± 0.10		
346	Calibration						1.00 ± 0.10		
347	2nd Fl, Waiting And Reception, Office Area	North	wall	concrete	intact	beige	<LOD	no	no
348	2nd Fl, Waiting And Reception, Office Area	East	wall	gypboard	intact	beige	<LOD	no	no
349	2nd Fl, Waiting And Reception, Office Area	East	column	concrete	intact	beige	<LOD	no	no
350	2nd Fl, Waiting And Reception, Office Area	West	wall	concrete	intact	beige	<LOD	no	no
351	2nd Fl, Waiting And Reception, Office Area	West	door frame	wood	intact	brown	<LOD	no	no
352	2nd Fl, Family Court Corridor	North	wall	gypboard	intact	beige	<LOD	no	no
353	2nd Fl, Family Court Corridor	South	wall	gypboard	intact	beige	<LOD	no	no
354	2nd Fl, Family Court Corridor	East	wall	concrete	intact	beige	<LOD	no	no
355	2nd Fl, Family Court Corridor	East	door frame	wood	intact	stained	<LOD	no	no
356	2nd Fl, Family Court Corridor	East	door	wood	fair	stained	<LOD	no	no
357	2nd Fl, Family Court Corridor	South	door frame	wood	intact	brown	0.02 ± 0.13	no	yes
358	2nd Fl, Family Court Corridor	South	door frame	wood	intact	brown	<LOD	no	no
359	2nd Fl, Judge 2 Restroom		ceiling	gypboard	intact	beige	<LOD	no	no
360	2nd Fl, Judge 2 Clerks	East	wall	gypboard	intact	beige	<LOD	no	no
361	2nd Fl, Judge 2 Clerks	East	wall	concrete	intact	beige	0.18 ± 0.78	no	yes
362	2nd Fl, Judge 2 Clerks	North	wall	gypboard	intact	beige	<LOD	no	no
363	2nd Fl, Judge 2 Clerks	North	wall	concrete	intact	beige	<LOD	no	no
364	2nd Fl, Hearing Room 2	South	wall	wood	intact	stained	<LOD	no	no
365	2nd Fl, Hearing Room 2	East	wall base	wood	intact	stained	<LOD	no	no
366	2nd Fl, Hearing Room 2	South	door	wood	intact	stained	<LOD	no	no
367	2nd Fl, Telephone Room	North	wall	concrete	intact	beige	0.08 ± 0.91	no	yes
368	2nd Fl, Telephone Room	North	conduit pipe	metal	intact	beige	0.04 ± 0.18	no	yes
369	2nd Fl, Telephone Room	North	conduit pipe	metal	intact	beige	0.03 ± 0.15	no	yes
370	NULL								
371	2nd Fl, Telephone Room	East	wall	concrete	intact	beige	-0.25 ± 1.10	no	yes
372	2nd Fl, Telephone Room	East	wall	concrete	intact	beige	<LOD	no	no
373	2nd Fl, Telephone Room	South	wall	concrete	intact	beige	0.50 ± 0.50	no	yes
374	2nd Fl, Telephone Room	West	door frame	metal	intact	brown	<LOD	no	no
375	2nd Fl, Telephone Room	West	door	metal	intact	brown	0.02 ± 0.11	no	yes
376	2nd Fl, Judge 3 Restroom		ceiling	gypboard	intact	beige	<LOD	no	no
377	2nd Fl, Storage/Copy Room	North	wall	gypboard	fair	beige	0.01 ± 0.04	no	yes
378	2nd Fl, Storage/Copy Room	East	wall	gypboard	intact	beige	<LOD	no	no
379	2nd Fl, Storage/Copy Room	South	wall	gypboard	intact	beige	<LOD	no	no
380	2nd Fl, Storage/Copy Room	West	wall	gypboard	fair	beige	<LOD	no	no
381	2nd Fl, Storage/Copy Room	North	door frame	wood	intact	brown	<LOD	no	no
382	2nd Fl, Hearing Room 3	North	wall	wood	intact	stained	<LOD	no	no
383	2nd Fl, Hearing Room 3	East	wall base	wood	intact	stained	<LOD	no	no
384	2nd Fl, Hearing Room 4	South	wall	wood	intact	stained	<LOD	no	no
385	2nd Fl, Hearing Room 4	West	wall	wood	intact	stained	<LOD	no	no
386	2nd Fl, Hearing Room 5	North	wall	wood	intact	stained	<LOD	no	no
387	2nd Fl, Hearing Room 5	North	door	wood	intact	stained	<LOD	no	no
388	2nd Fl, Clerks Offices	East	wall	gypboard	intact	beige	<LOD	no	no
389	2nd Fl, Clerks Offices	North	wall	gypboard	intact	black	<LOD	no	no
390	2nd Fl, Clerks Offices	West	wall	gypboard	intact	beige	<LOD	no	no
391	2nd Fl, Clerks Offices	South	wall	gypboard	fair	beige	<LOD	no	no
392	2nd Fl, Clerks Offices	West	door frame	wood	intact	brown	<LOD	no	no
393	2nd Fl, Clerks Offices	South	door frame	wood	intact	stained	<LOD	no	no
394	2nd Fl, Clerks Offices	South	door	wood	intact	stained	<LOD	no	no
395	2nd Fl, Waiting And Reception	South	wall base	concrete	poor	beige	0.01 ± 0.06	no	yes
396	2nd Fl, Girls Court	North	wall	gypboard	intact	beige	<LOD	no	no
397	2nd Fl, Girls Court	West	wall	metal	intact	beige	<LOD	no	no
398	2nd Fl, Girls Court	South	wall	gypboard	intact	beige	<LOD	no	no
399	2nd Fl, Girls Court	East	wall	gypboard	intact	beige	<LOD	no	no
400	2nd Fl, Girls Court	North	door frame	wood	intact	brown	<LOD	no	no

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Judiciary Condition Assessment
Ka'ahumanu Hale

XRF#	Location	Side	Component	Substrate	Condition	Color	PbC (mg/cm²)	Lead-Based Paint	Confirmed Lead-Containing Paint
401	2nd Fl, Girls Court	West	wall	gypboard	intact	beige	<LOD	no	no
402	2nd Fl, Girls Court	East	door	wood	intact	brown	<LOD	no	no
403	2nd Fl, Girls Court	West	door frame	wood	intact	brown	<LOD	no	no
404	NULL								
405	2nd Fl, Girls Court	South	wall base	concrete	intact	beige	<LOD	no	no
406	2nd Fl, Girls Court	East	door	wood	intact	brown	<LOD	no	no
407	2nd Fl, Girls Court	North	conduit pipe	plastic	fair	beige	0.04 ± 0.11	no	yes
408	2nd Fl, Girls Court	North	wall	gypboard	fair	beige	<LOD	no	no
409	2nd Fl, Girls Court, Women's	South	wall	gypboard	intact	beige	<LOD	no	no
410	2nd Fl, Girls Court, Women's	West	wall	gypboard	intact	beige	<LOD	no	no
411	2nd Fl, Girls Court, Women's	North	wall	gypboard	intact	beige	<LOD	no	no
412	2nd Fl, Girls Court, Women's	East	wall	gypboard	intact	beige	<LOD	no	no
413	2nd Fl, Girls Court, Men's		ceiling	gypboard	intact	beige	<LOD	no	no
414	2nd Fl, Girls Court, Staff/Conference/Lounge	North	wall	gypboard	intact	peach	<LOD	no	no
415	2nd Fl, Girls Court, Staff/Conference/Lounge	East	wall	gypboard	intact	peach	<LOD	no	no
416	2nd Fl, Girls Court, Staff/Conference/Lounge	South	wall base	gypboard	fair	beige	-0.08 ± 1.07	no	yes
417	2nd Fl, Girls Court, Staff/Conference/Lounge	South	wall base	concrete	fair	beige	<LOD	no	no
418	2nd Fl, Girls Court, Janitor Closet	South	wall	metal	intact	beige	<LOD	no	no
419	2nd Fl, Girls Court, Janitor Closet	East	wall	gypboard	intact	beige	<LOD	no	no
420	2nd Fl, Juvenile Intake & Probation, Offices	North	wall	gypboard	intact	beige	0.02 ± 0.08	no	yes
421	2nd Fl, Juvenile Intake & Probation, Offices	East	wall	gypboard	intact	beige	<LOD	no	no
422	2nd Fl, Juvenile Intake & Probation, Offices	West	column	concrete	intact	black	<LOD	no	no
423	2nd Fl, Juvenile Intake & Probation, Offices	South	wall base	concrete	fair	beige	<LOD	no	no
424	2nd Fl, Juvenile Intake & Probation, Offices	South	wall	concrete	intact	beige	<LOD	no	no
425	2nd Fl, Juvenile Intake & Probation, Offices	West	wall	gypboard	intact	beige	<LOD	no	no
426	2nd Fl, Juvenile Intake & Probation, Offices	East	wall	gypboard	fair	beige	<LOD	no	no
427	2nd Fl, Juvenile Intake & Probation, Offices	North	wall	gypboard	fair	beige	<LOD	no	no
428	2nd Fl, Juvenile Intake & Probation, Offices	West	window sill	concrete	intact	beige	<LOD	no	no
429	2nd Fl, Juvenile Intake & Probation, Offices	North	wall	gypboard	intact	beige	<LOD	no	no
430	2nd Fl, Mechanical Room	North	wall	CMU	fair	beige	<LOD	no	no
431	2nd Fl, Mechanical Room	North	conduit pipe	metal	intact	beige	<LOD	no	no
432	2nd Fl, Mechanical Room	East	wall	CMU	fair	beige	0.01 ± 0.03	no	yes
433	2nd Fl, Mechanical Room	South	wall	concrete	intact	beige	<LOD	no	no
434	2nd Fl, Mechanical Room	South	conduit pipe	metal	intact	beige	0.01 ± 0.04	no	yes
435	2nd Fl, Mechanical Room	West	wall	CMU	intact	beige	<LOD	no	no
436	2nd Fl, Mechanical Room	West	column	concrete	intact	beige	<LOD	no	no
437	2nd Fl, Mechanical Room	South	door frame	wood	intact	brown	<LOD	no	no
438	2nd Fl, Mechanical Room	West	beam	concrete	intact	beige	<LOD	no	no
439	2nd Fl, Mechanical Room		AHU	metal	intact	beige	0.01 ± 0.04	no	yes
440	2nd Fl, Mechanical Room		duct	metal	intact	beige	0.04 ± 0.19	no	yes
441	2nd Fl, Mechanical Room	North	electrical box	metal	intact	beige	0.01 ± 0.04	no	yes
442	2nd Fl, Juvenile Intake, Conference Office	North	wall	gypboard	intact	beige	<LOD	no	no
443	2nd Fl, Juvenile Intake, Conference Office	North	column	concrete	intact	beige	<LOD	no	no
444	2nd Fl, Juvenile Intake, Conference Office	East	wall	gypboard	intact	beige	<LOD	no	no
445	2nd Fl, Juvenile Intake, Conference Office	South	wall	gypboard	intact	beige	<LOD	no	no
446	2nd Fl, Juvenile Intake, Conference Office	West	wall	gypboard	fair	beige	<LOD	no	no
447	3rd Fl, Atrium	North	wall	gypboard	intact	beige	<LOD	no	no
448	3rd Fl, Atrium	North	wall trim	wood	intact	beige	<LOD	no	no
449	3rd Fl, Atrium	North	wall trim	gypboard	intact	beige	<LOD	no	no
450	3rd Fl, Atrium	North	railing	wood	intact	stained	<LOD	no	no
451	3rd Fl, Atrium	North	column	concrete	intact	beige	<LOD	no	no
452	3rd Fl, Atrium	North	door frame	wood	intact	brown	0.04 ± 0.18	no	yes
453	3rd Fl, Atrium	East	wall	concrete	intact	beige	<LOD	no	no
454	3rd Fl, Atrium	East	wall	wood	intact	stained	<LOD	no	no
455	3rd Fl, Atrium	East	wall trim	gypboard	intact	beige	<LOD	no	no
456	3rd Fl, Atrium	East	railing	wood	intact	stained	<LOD	no	no
457	3rd Fl, Atrium	East	stairs siding	concrete	intact	beige	<LOD	no	no
458	3rd Fl, Atrium	South	railing	wood	intact	stained	<LOD	no	no
459	3rd Fl, Atrium	South	wall	gypboard	intact	beige	<LOD	no	no
460	3rd Fl, Atrium	South	wall trim	wood	intact	stained	<LOD	no	no
461	3rd Fl, Atrium	South	wall trim	gypboard	intact	beige	<LOD	no	no
462	3rd Fl, Atrium	South	column	concrete	intact	beige	<LOD	no	no

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Judiciary Condition Assessment
Ka'ahumanu Hale

XRF#	Location	Side	Component	Substrate	Condition	Color	PbC (mg/cm²)	Lead-Based Paint	Confirmed Lead-Containing Paint
463	3rd Fl, Atrium	South	door frame	wood	fair	brown	<LOD	no	no
464	3rd Fl, Atrium	West	wall	gypboard	intact	beige	<LOD	no	no
465	3rd Fl, Atrium	West	wall trim	wood	intact	stained	<LOD	no	no
466	3rd Fl, Atrium	South	wall trim	gypboard	intact	beige	<LOD	no	no
467	3rd Fl, Atrium	West	railing	wood	intact	stained	<LOD	no	no
468	3rd Fl, Elevator Lobby & Hallway	South	door frame	metal	intact	brown	0.01 ± 0.04	no	yes
469	3rd Fl, Elevator Lobby & Hallway	South	wall	gypboard	intact	beige	<LOD	no	no
470	3rd Fl, Elevator Lobby & Hallway	North	wall	gypboard	intact	beige	<LOD	no	no
471	3rd Fl, Elevator Lobby & Hallway	East	wall	gypboard	intact	beige	<LOD	no	no
472	3rd Fl, Elevator Lobby & Hallway	East	door frame	wood	fair	brown	<LOD	no	no
473	3rd Fl, Elevator Lobby & Hallway	South	door frame	wood	fair	stained	<LOD	no	no
474	3rd Fl, Elevator Lobby & Hallway	South	door	wood	intact	stained	<LOD	no	no
475	3rd Fl, Elevator Lobby & Hallway	South	bench seat	wood	intact	stained	<LOD	no	no
476	3rd Fl, Elevator Lobby & Hallway	South	bench seat backing	wood	intact	stained	<LOD	no	no
477	3rd Fl, Elevator Lobby & Hallway	South	column	concrete	intact	beige	<LOD	no	no
478	3rd Fl, Honolulu Advertiser Office	North	door frame	wood	fair	brown	<LOD	no	no
479	3rd Fl, KITV Office	North	door frame	wood	intact	brown	<LOD	no	no
480	3rd Fl, Courtroom #4	West	wall	wood	intact	stained	0.01 ± 0.04	no	yes
481	3rd Fl, Courtroom #4	West	door	wood	intact	stained	<LOD	no	no
482	3rd Fl, Courtroom #4	South	wall	wood	intact	stained	0.01 ± 0.05	no	yes
483	3rd Fl, Courtroom #4	East	baseboard	wood	intact	stained	<LOD	no	no
484	3rd Fl, Courtroom #4	North	baseboard	wood	intact	stained	<LOD	no	no
485	3rd Fl, Courtroom #4	North	door frame	wood	intact	stained	<LOD	no	no
486	3rd Fl, Courtroom #4	North	bench	wood	fair	stained	0.01 ± 0.04	no	yes
487	3rd Fl, Courtroom #4	North	divider wall/rail	wood	intact	stained	<LOD	no	no
488	3rd Fl, Courtroom #4	South	judges booth	wood	intact	stained	<LOD	no	no
489	3rd Fl, Courtroom #4	South	witness stand	wood	intact	stained	<LOD	no	no
490	3rd Fl, Courtroom #4	East	officer booth	wood	intact	stained	<LOD	no	no
491	3rd Fl, Courtroom #4	South	crown moulding	wood	intact	stained	<LOD	no	no
492	3rd Fl, Courtroom #4, Jury Room, Men's	West	wall	gypboard	intact	beige	<LOD	no	no
493	3rd Fl, Courtroom #4, Jury Room, Men's	North	wall	concrete	intact	beige	<LOD	no	no
494	3rd Fl, Courtroom #4, Jury Room, Men's		ceiling	gypboard	intact	beige	<LOD	no	no
495	3rd Fl, Courtroom #4, Jury Room, Women's	South	wall	gypboard	intact	beige	<LOD	no	no
496	3rd Fl, Courtroom #4, Jury Room, Women's	East	wall	gypboard	intact	beige	<LOD	no	no
497	3rd Fl, Courtroom #4, Hallway		ceiling	gypboard	intact	beige	<LOD	no	no
498	3rd Fl, Courtroom #4, Hallway	South	door frame	wood	intact	brown	<LOD	no	no
499	3rd Fl, Courtroom #4, Jury Room	South	conduit pipe	plastic	intact	white	0.50 ± 0.50	no	yes
500	3rd Fl, Courtroom #4, Jury Room	South	door frame	wood	intact	brown	<LOD	no	no
501	3rd Fl, North Mechanical Room	North	wall	CMU	intact	beige	<LOD	no	no
502	3rd Fl, North Mechanical Room	North	wall	concrete	intact	beige	<LOD	no	no
503	3rd Fl, North Mechanical Room	North	conduit pipe	metal	intact	beige	0.01 ± 0.05	no	yes
504	3rd Fl, North Mechanical Room	North	electrical pipe	metal	intact	beige	<LOD	no	no
505	3rd Fl, North Mechanical Room	North	conduit pipe	metal	intact	beige	<LOD	no	no
506	3rd Fl, North Mechanical Room	East	wall	CMU	intact	beige	<LOD	no	no
507	3rd Fl, North Mechanical Room	South	wall	CMU	intact	beige	<LOD	no	no
508	3rd Fl, North Mechanical Room	West	wall	CMU	intact	beige	<LOD	no	no
509	3rd Fl, North Mechanical Room	West	conduit pipe	metal	intact	beige	<LOD	no	no
510	3rd Fl, North Mechanical Room	West	AHU	metal	intact	beige	0.01 ± 0.05	no	yes
511	3rd Fl, North Mechanical Room	North	duct	metal	intact	beige	<LOD	no	no
512	3rd Fl, North Mechanical Room	East	door frame	metal	intact	brown	0.01 ± 0.04	no	yes
513	3rd Fl, North Mechanical Room	East	door	metal	intact	brown	0.04 ± 0.12	no	yes
514	3rd Fl, North Mechanical Room	South	door	wood	intact	stained	<LOD	no	no
515	3rd Fl, North Mechanical Room	South	wall	wood	intact	brown	<LOD	no	no
516	3rd Fl, Courtroom #4 Witness Room	North	door frame	wood	intact	brown	<LOD	no	no
517	3rd Fl, Courtroom #3 Witness Room	North	door frame	wood	intact	brown	<LOD	no	no
518	3rd Fl, Courtroom #3 Attorney Room	North	door frame	wood	intact	brown	<LOD	no	no
519	3rd Fl, Courtroom #3	North	baseboard	wood	intact	stained	<LOD	no	no
520	3rd Fl, Courtroom #3	North	door frame	wood	intact	stained	<LOD	no	no
521	3rd Fl, Courtroom #3	North	door	wood	intact	stained	<LOD	no	no
522	3rd Fl, Courtroom #3		bench	wood	fair	stained	0.01 ± 0.03	no	yes
523	3rd Fl, Courtroom #3		divider wall	wood	intact	stained	<LOD	no	no
524	3rd Fl, Courtroom #3		jury bookcase	wood	intact	stained	<LOD	no	no

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EMET ID: 1511498

Test Date: September 1, 2017

Judiciary Condition Assessment
Ka'ahumanu Hale

XRF#	Location	Side	Component	Substrate	Condition	Color	PbC (mg/cm²)	Lead-Based Paint	Confirmed Lead-Containing Paint
525	3rd Fl, Courtroom #3	South	wall	wood	intact	stained	<LOD	no	no
526	3rd Fl, Courtroom #3	East	crown moulding	wood	intact	stained	<LOD	no	no
527	3rd Fl, Courtroom #3, Hallway	South	door frame	wood	intact	brown	<LOD	no	no
528	3rd Fl, Courtroom #3, Hallway	East	conduit pipe	plastic	intact	white	<LOD	no	no
529	3rd Fl, Courtroom #3, Jury Room, Women's	West	wall	gypboard	intact	beige	<LOD	no	no
530	3rd Fl, Courtroom #3, Jury Room, Women's	South	wall	gypboard	intact	beige	<LOD	no	no
531	NULL								
532	3rd Fl, Courtroom #3, Jury Room, Women's		ceiling	gypboard	intact	beige	<LOD	no	no
533	3rd Fl, Courtroom #3, Jury Room, Men's	East	wall	gypboard	intact	beige	<LOD	no	no
534	NULL								
535	3rd Fl, Courtroom #3, Jury Room, Men's	East	door frame	wood	intact	brown	<LOD	no	no
536	3rd Fl, Courtroom #3, Jury Room, Men's	North	wall	gypboard	intact	beige	<LOD	no	no
537	3rd Fl, KHON Office		door frame	wood	intact	brown	<LOD	no	no
538	3rd Fl, Honolulu Star Office	South	door frame	wood	intact	brown	<LOD	no	no
539	3rd Fl, Courtroom #2 Witness Room	South	door frame	wood	intact	brown	0.01 ± 0.03	no	yes
540	3rd Fl, Courtroom #2 Witness Room	North	conduit	plastic	intact	white	0.25 ± 0.70	no	yes
541	3rd Fl, Courtroom #2	South	door frame	wood	intact	stained	<LOD	no	no
542	3rd Fl, Courtroom #2		bench	wood	fair	stained	0.02 ± 0.07	no	yes
543	3rd Fl, Courtroom #2	West	wall	wood	intact	stained	<LOD	no	no
544	3rd Fl, Courtroom #2	North	judge bench	wood	intact	stained	<LOD	no	no
545	3rd Fl, Courtroom #2	North	crown moulding	wood	intact	stained	<LOD	no	no
546	3rd Fl, Courtroom #2, Hallway	South	door frame	wood	fair	brown	<LOD	no	no
547	3rd Fl, Courtroom #2, Jury Room, Women's	North	wall	gypboard	intact	beige	0.01 ± 0.03	no	yes
548	3rd Fl, Courtroom #2, Jury Room, Women's	West	wall	gypboard	intact	beige	<LOD	no	no
549	3rd Fl, Courtroom #2, Jury Room, Women's	West	door frame	wood	intact	brown	<LOD	no	no
550	3rd Fl, Courtroom #2, Jury Room, Men's	East	wall	gypboard	intact	beige	0.02 ± 0.09	no	yes
551	3rd Fl, Courtroom #2, Jury Room, Men's	South	wall	gypboard	intact	beige	<LOD	no	no
552	3rd Fl, Courtroom #2, Jury Room, Men's		ceiling	gypboard	intact	beige	<LOD	no	no
553	3rd Fl, Courtroom #2, Jury Room, Men's	West	door	wood	intact	brown	0.01 ± 0.04	no	yes
554	3rd Fl, South Mechanical Room	North	wall	CMU	intact	beige	<LOD	no	no
555	3rd Fl, South Mechanical Room	West	wall	CMU	intact	beige	<LOD	no	no
556	3rd Fl, South Mechanical Room	West	conduit pipe	metal	intact	beige	<LOD	no	no
557	3rd Fl, South Mechanical Room	South	wall	concrete	intact	beige	<LOD	no	no
558	3rd Fl, South Mechanical Room	East	wall	CMU	intact	beige	<LOD	no	no
559	3rd Fl, South Mechanical Room	North	wall	concrete	intact	beige	<LOD	no	no
560	3rd Fl, South Mechanical Room	South	electrical box	metal	intact	beige	0.07 ± 0.28	no	yes
561	3rd Fl, South Mechanical Room	South	duct	metal	intact	beige	<LOD	no	no
562	3rd Fl, South Mechanical Room		AHU	metal	intact	beige	0.06 ± 0.27	no	yes
563	3rd Fl, South Mechanical Room	East	door frame	metal	intact	brown	0.02 ± 0.10	no	yes
564	3rd Fl, South Mechanical Room	East	door	metal	intact	brown	0.01 ± 0.04	no	yes
565	3rd Fl, South Mechanical Room	North	door frame	wood	intact	brown	<LOD	no	no
566	3rd Fl, South Mechanical Room	North	door	wood	intact	stained	<LOD	no	no
567	Calibration						1.00 ± 0.10		
568	Calibration						0.90 ± 0.10		
569	NULL								
570	Calibration						1.00 ± 0.10		

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Laboratory Report

Painted Surfaces Total Elemental Lead Analyses
by X-Ray Fluorescence

EMET ID: 1511498

Test Date: September 5, 2017

Judiciary Condition Assessment
Ka'ahumanu Hale

XRF#	Location	Side	Component	Substrate	Condition	Color	PbC (mg/cm²)	Lead-Based Paint	Confirmed Lead-Containing Paint
648	Calibration						1.00 ± 0.10		
649	NULL								
650	NULL								
651	NULL								
652	NULL								
653	Calibration						1.00 ± 0.10		
654	Calibration						1.00 ± 0.10		
655	3rd Fl, Courtroom #1	South	wall	wood	intact	stained	0.01 ± 0.05	no	yes
656	3rd Fl, Courtroom #1	East	wall	wood	intact	stained	<LOD	no	no
657	3rd Fl, Courtroom #1	North	wall	wood	intact	stained	<LOD	no	no
658	3rd Fl, Courtroom #1	West	wall	wood	intact	stained	<LOD	no	no
659	3rd Fl, Courtroom #1	South	door frame	wood	intact	stained	<LOD	no	no
660	3rd Fl, Courtroom #1	South	door	wood	intact	stained	<LOD	no	no
661	3rd Fl, Courtroom #1	East	crown moulding	wood	intact	stained	0.02 ± 0.08	no	yes
662	3rd Fl, Courtroom #1		bench	wood	intact	stained	<LOD	no	no
663	3rd Fl, Courtroom #1		partition wall	wood	intact	stained	<LOD	no	no
664	3rd Fl, Courtroom #1	East	wall trim	wood	intact	stained	<LOD	no	no
665	3rd Fl, Courtroom #1	North	baseboard	wood	intact	stained	<LOD	no	no
666	3rd Fl, Courtroom #1	North	judge bench	wood	intact	stained	<LOD	no	no
667	3rd Fl, Courtroom #1, Jury Room, Men's	North	wall	gypboard	intact	beige	<LOD	no	no
668	3rd Fl, Courtroom #1, Jury Room, Men's		ceiling	gypboard	intact	beige	<LOD	no	no
669	3rd Fl, Courtroom #1, Jury Room, Men's	East	door frame	wood	intact	brown	<LOD	no	no
670	3rd Fl, Courtroom #1, Jury Room, Women's	West	wall	gypboard	intact	beige	<LOD	no	no
671	3rd Fl, Courtroom #1, Jury Room, Women's	South	wall	gypboard	intact	beige	<LOD	no	no
672	3rd Fl, Courtroom #1, Hallway	West	wall	gypboard	intact	beige	<LOD	no	no
673	3rd Fl, Courtroom #1, Hallway	East	wall	gypboard	intact	beige	<LOD	no	no
674	3rd Fl, Courtroom #1, Jury Room	North	wall	gypboard	intact	beige	0.01 ± 0.03	no	yes
675	3rd Fl, Courtroom #1, Jury Room	East	wall	gypboard	intact	beige	<LOD	no	no
676	3rd Fl, Courtroom #1, Jury Room	South	wall	gypboard	intact	beige	<LOD	no	no
677	3rd Fl, Courtroom #1, Jury Room	West	wall	gypboard	intact	beige	<LOD	no	no
678	3rd Fl, Courtroom #1, Jury Room	North	door frame	wood	intact	brown	<LOD	no	no
679	3rd Fl, Courtroom #1, Hallway		ceiling	gypboard	intact	beige	<LOD	no	no
680	3rd Fl, Courtroom #1, Attorney Room	South	door frame	wood	intact	brown	<LOD	no	no
681	3rd Fl, Courtroom #1, Attorney Room	West	wall	gypboard	intact	beige	<LOD	no	no
682	3rd Fl, Courtroom #1, Witness Room	South	door	wood	intact	brown	<LOD	no	no
683	3rd Fl, Courtroom #1, Witness Room		ceiling	gypboard	intact	beige	<LOD	no	no
684	3rd Fl, Courtroom #2, Jury Room	East	wall	gypboard	intact	beige	<LOD	no	no
685	3rd Fl, Courtroom #2, Jury Room	West	wall	gypboard	intact	beige	<LOD	no	no
686	3rd Fl, Corridor	North	wall	gypboard	intact	beige	<LOD	no	no
687	3rd Fl, Corridor	South	wall	gypboard	intact	beige	<LOD	no	no
688	3rd Fl, Atrium, Women's	South	wall	gypboard	intact	beige	<LOD	no	no
689	3rd Fl, Atrium, Women's	South	door frame	wood	intact	brown	<LOD	no	no
690	3rd Fl, Atrium, Women's	South	door	wood	intact	brown	<LOD	no	no
691	3rd Fl, Atrium, Women's	East	wall	gypboard	intact	beige	<LOD	no	no
692	3rd Fl, Atrium, Women's	North	wall	gypboard	intact	beige	0.04 ± 0.63	no	yes
693	3rd Fl, Atrium, Women's	West	wall	gypboard	intact	beige	<LOD	no	no
694	3rd Fl, Atrium, Women's		ceiling	gypboard	intact	beige	<LOD	no	no
695	3rd Fl, Men's across Children's Advocacy Witness Rm	North	door frame	wood	intact	brown	<LOD	no	no
696	3rd Fl, Men's across Children's Advocacy Witness Rm	South	wall	gypboard	intact	beige	0.02 ± 0.09	no	yes
697	3rd Fl, Janitor across Children's Advocacy Witness Rm	East	wall	gypboard	intact	beige	0.01 ± 0.03	no	yes
698	3rd Fl, Janitor across Children's Advocacy Witness Rm	West	wall	gypboard	intact	beige	<LOD	no	no
699	3rd Fl, Women's across Children's Advocacy Witness Rm	North	door frame	wood	intact	brown	0.02 ± 0.41	no	yes
700	3rd Fl, Women's across Children's Advocacy Witness Rm	East	wall	gypboard	intact	beige	<LOD	no	no
701	3rd Fl, Women's across Children's Advocacy Witness Rm	West	wall	gypboard	intact	beige	<LOD	no	no
702	3rd Fl, Women's across Children's Advocacy Witness Rm		ceiling	gypboard	intact	beige	<LOD	no	no
703	3rd Fl, Judge's Chambers 5, Clerks Office	South	door frame	wood	intact	brown	<LOD	no	no
704	3rd Fl, Judge's Chambers 5, Clerks Office	South	door	wood	intact	brown	<LOD	no	no

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Judiciary Condition Assessment
Ka'ahumanu Hale

XRF#	Location	Side	Component	Substrate	Condition	Color	PbC (mg/cm²)	Lead-Based Paint	Confirmed Lead-Containing Paint
705	3rd Fl, Judge's Chambers 5, Clerks Office	South	wall	gypboard	intact	beige	<LOD	no	no
706	3rd Fl, Judge's Chambers 5, Clerks Office	West	wall	gypboard	intact	beige	<LOD	no	no
707	3rd Fl, Judge's Chambers 5, Clerks Office	North	window sill	concrete	intact	beige	<LOD	no	no
708	3rd Fl, Judge's Chambers 5, Clerks Office	North	wall	gypboard	intact	beige	<LOD	no	no
709	3rd Fl, Judge's Chambers 5, Clerks Office	East	wall	gypboard	intact	beige	<LOD	no	no
710	3rd Fl, Judge's Chambers 5, Clerks Office	East	door frame	wood	intact	stained	<LOD	no	no
711	3rd Fl, Judge's Chambers 5, Clerks Office		column	concrete	intact	beige	<LOD	no	no
712	3rd Fl, Judge's Chambers 5	West	wall	gypboard	intact	beige	<LOD	no	no
713	3rd Fl, Judge's Chambers 5	North	wall	gypboard	intact	brown	<LOD	no	no
714	3rd Fl, Judge's Chambers 5	North	window sill	concrete	intact	brown	<LOD	no	no
715	3rd Fl, Judge's Chambers 5	East	wall	gypboard	intact	beige	<LOD	no	no
716	3rd Fl, Judge's Chambers 5	South	wall	gypboard	intact	beige	<LOD	no	no
717	3rd Fl, Judge's Chambers 5, Restroom	North	window sill	concrete	intact	brown	<LOD	no	no
718	3rd Fl, Judge's Chambers 5, Restroom	East	wall	gypboard	intact	beige	<LOD	no	no
719	3rd Fl, Judge's Chambers 5, Restroom		ceiling	gypboard	intact	beige	<LOD	no	no
720	3rd Fl, Judge's Chambers 5, Restroom	West	door frame	wood	intact	brown	<LOD	no	no
721	3rd Fl, Judge's Chambers 5, Restroom	West	door	wood	intact	brown	<LOD	no	no
722	3rd Fl, Children's Advocacy Witness Room	South	door frame	wood	intact	brown	<LOD	no	no
723	3rd Fl, Children's Advocacy Witness Room	South	door	wood	intact	brown	<LOD	no	no
724	3rd Fl, Children's Advocacy Witness Room	South	wall	gypboard	intact	beige	<LOD	no	no
725	3rd Fl, Children's Advocacy Witness Room	West	wall	gypboard	intact	beige	<LOD	no	no
726	3rd Fl, Children's Advocacy Witness Room	North	wall	gypboard	intact	beige	<LOD	no	no
727	3rd Fl, Children's Advocacy Witness Room	North	window sill	concrete	intact	beige	<LOD	no	no
728	3rd Fl, Children's Advocacy Witness Room	East	wall	gypboard	intact	beige	<LOD	no	no
729	3rd Fl, Judge's Chambers 6, Clerks Office	South	door	wood	intact	brown	<LOD	no	no
730	3rd Fl, Judge's Chambers 6, Clerks Office	South	door frame	wood	intact	brown	<LOD	no	no
731	3rd Fl, Judge's Chambers 6, Clerks Office	South	wall	gypboard	intact	beige	<LOD	no	no
732	3rd Fl, Judge's Chambers 6, Clerks Office	East	wall	gypboard	intact	beige	<LOD	no	no
733	3rd Fl, Judge's Chambers 6, Clerks Office	North	wall	gypboard	intact	brown	<LOD	no	no
734	3rd Fl, Judge's Chambers 6, Clerks Office	North	window sill	concrete	intact	brown	<LOD	no	no
735	3rd Fl, Judge's Chambers 6, Clerks Office		column	concrete	intact	beige	<LOD	no	no
736	3rd Fl, Judge's Chambers 6, Clerks Office	West	wall	gypboard	intact	beige	<LOD	no	no
737	3rd Fl, Judge's Chambers 6, Clerks Office	West	door frame	wood	intact	stained	<LOD	no	no
738	3rd Fl, Judge's Chambers 6, Clerks Office	West	door	wood	intact	stained	<LOD	no	no
739	3rd Fl, Judge's Chambers 6	East	wall	gypboard	intact	beige	<LOD	no	no
740	3rd Fl, Judge's Chambers 6	North	wall	gypboard	intact	brown	<LOD	no	no
741	3rd Fl, Judge's Chambers 6	North	window sill	concrete	intact	brown	<LOD	no	no
742	3rd Fl, Judge's Chambers 6	South	wall	gypboard	intact	beige	<LOD	no	no
743	3rd Fl, Judge's Chambers 6, Restroom		ceiling	gypboard	intact	beige	<LOD	no	no
744	3rd Fl, Judge's Chambers 6, Restroom	North	window sill	concrete	intact	brown	<LOD	no	no
745	3rd Fl, Judge's Chambers 6, Restroom	West	wall	gypboard	intact	beige	<LOD	no	no
746	3rd Fl, Northwest Lanai	West	wall	plaster	intact	beige	<LOD	no	no
747	3rd Fl, North Corridor	North	wall	gypboard	intact	beige	0.03 ± 0.12	no	yes
748	3rd Fl, North Corridor	South	wall	gypboard	intact	beige	<LOD	no	no
749	3rd Fl, North Corridor	South	door frame	wood	intact	brown	<LOD	no	no
750	3rd Fl, North Corridor	South	door	wood	intact	brown	<LOD	no	no
751	3rd Fl, North Corridor		ceiling	gypboard	intact	beige	0.03 ± 0.12	no	yes
752	3rd Fl, Elevator Lobby	West	wall	gypboard	intact	beige	<LOD	no	no
753	3rd Fl, Courtroom #5	North	door frame	wood	intact	brown	<LOD	no	no
754	3rd Fl, Courtroom #5	North	door	wood	intact	brown	<LOD	no	no
755	3rd Fl, Courtroom #5	North	wall	wood	intact	stained	0.05 ± 0.12	no	yes
756	3rd Fl, Courtroom #5	North	crown moulding	wood	intact	stained	<LOD	no	no
757	3rd Fl, Courtroom #5	North	wall base	wood	intact	stained	<LOD	no	no
758	3rd Fl, Courtroom #5	East	wall	wood	intact	stained	<LOD	no	no
759	3rd Fl, Courtroom #5	East	judge bench	wood	intact	stained	0.01 ± 0.04	no	yes
760	3rd Fl, Courtroom #5	East	witness stand	wood	intact	stained	<LOD	no	no
761	3rd Fl, Courtroom #5	East	wall base	wood	intact	stained	<LOD	no	no
762	3rd Fl, Courtroom #5	South	wall	wood	intact	stained	0.02 ± 0.10	no	yes
763	3rd Fl, Courtroom #5	South	door frame	wood	intact	stained	<LOD	no	no
764	3rd Fl, Courtroom #5	South	door	wood	intact	stained	<LOD	no	no
765	3rd Fl, Courtroom #5	South	wall base	wood	intact	stained	<LOD	no	no
766	3rd Fl, Courtroom #5	West	wall	wood	intact	stained	<LOD	no	no

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Judiciary Condition Assessment
Ka'ahumanu Hale

XRF#	Location	Side	Component	Substrate	Condition	Color	PbC (mg/cm²)	Lead-Based Paint	Confirmed Lead-Containing Paint
767	3rd Fl, Courtroom #5		railing	wood	intact	stained	0.01 ± 0.03	no	yes
768	3rd Fl, Courtroom #5		bench	wood	intact	stained	<LOD	no	no
769	3rd Fl, Courtroom #5	West	partition	wood	intact	stained	<LOD	no	no
770	3rd Fl, Courtroom #5	West	conduit	plastic	intact	brown	<LOD	no	no
771	3rd Fl, Courtroom #5	West	crown moulding	wood	intact	stained	<LOD	no	no
772	3rd Fl, Courtroom #5	West	wall base	wood	intact	stained	<LOD	no	no
773	3rd Fl, Courtroom #5, Attorney	West	wall	gypboard	intact	beige	<LOD	no	no
774	3rd Fl, Courtroom #5, Vestibule		ceiling	gypboard	intact	beige	<LOD	no	no
775	3rd Fl, Courtroom #5, Hallway	East	wall	gypboard	intact	beige	<LOD	no	no
776	3rd Fl, Courtroom #5, Hallway	West	wall	gypboard	intact	beige	<LOD	no	no
777	3rd Fl, Courtroom #5, Hallway	North	door	wood	intact	brown	<LOD	no	no
778	3rd Fl, Courtroom #5, Hallway	North	door frame	wood	intact	brown	<LOD	no	no
779	3rd Fl, Courtroom #5, Jury Room, Men's	North	wall	gypboard	intact	beige	<LOD	no	no
780	3rd Fl, Courtroom #5, Jury Room, Men's	West	wall	gypboard	intact	beige	<LOD	no	no
781	3rd Fl, Courtroom #5, Jury Room, Men's	South	wall	gypboard	intact	beige	<LOD	no	no
782	3rd Fl, Courtroom #5, Jury Room, Men's	East	door frame	wood	intact	brown	<LOD	no	no
783	3rd Fl, Courtroom #5, Jury Room, Men's		ceiling	gypboard	intact	beige	<LOD	no	no
784	3rd Fl, Courtroom #5, Jury Room, Women's	East	door	wood	intact	brown	<LOD	no	no
785	3rd Fl, Courtroom #5, Jury Room, Women's	East	wall	gypboard	intact	beige	<LOD	no	no
786	3rd Fl, Courtroom #5, Jury Room, Women's	South	wall	gypboard	intact	beige	<LOD	no	no
787	3rd Fl, Courtroom #5, Jury Room, Women's	West	wall	gypboard	intact	beige	0.01 ± 0.06	no	yes
788	3rd Fl, Courtroom #5, Jury Room, Women's		ceiling	gypboard	intact	beige	<LOD	no	no
789	3rd Fl, Courtroom #5, Jury Room	North	door frame	wood	intact	brown	0.04 ± 0.12	no	yes
790	3rd Fl, Courtroom #5, Jury Room	North	door	wood	intact	brown	<LOD	no	no
791	3rd Fl, Courtroom #5, Jury Room	North	wall	gypboard	intact	beige	<LOD	no	no
792	3rd Fl, Courtroom #5, Jury Room	East	wall	gypboard	intact	beige	<LOD	no	no
793	3rd Fl, Courtroom #5, Jury Room	East	conduit	plastic	intact	beige	0.01 ± 0.03	no	yes
794	3rd Fl, Courtroom #5, Jury Room	South	wall	gypboard	intact	beige	<LOD	no	no
795	3rd Fl, Courtroom #5, Jury Room	West	wall	gypboard	intact	beige	<LOD	no	no
796	3rd Fl, Courtroom #5, Hallway		ceiling	gypboard	intact	beige	<LOD	no	no
797	3rd Fl, Courtroom #6	North	door frame	wood	intact	stained	0.01 ± 0.03	no	yes
798	3rd Fl, Courtroom #6	North	door	wood	intact	stained	<LOD	no	no
799	3rd Fl, Courtroom #6	North	wall	wood	intact	stained	<LOD	no	no
800	3rd Fl, Courtroom #6	North	wall base	wood	intact	stained	0.05 ± 0.23	no	yes
801	3rd Fl, Courtroom #6	North	crown moulding	wood	intact	stained	<LOD	no	no
802	3rd Fl, Courtroom #6	East	crown moulding	wood	intact	stained	<LOD	no	no
803	3rd Fl, Courtroom #6	East	wall	wood	intact	stained	<LOD	no	no
804	3rd Fl, Courtroom #6	East	wall base	wood	intact	stained	<LOD	no	no
805	3rd Fl, Courtroom #6		railing	wood	intact	stained	<LOD	no	no
806	3rd Fl, Courtroom #6		bench	wood	intact	stained	<LOD	no	no
807	3rd Fl, Courtroom #6	East	door frame	wood	intact	stained	<LOD	no	no
808	3rd Fl, Courtroom #6	East	door	wood	intact	stained	<LOD	no	no
809	3rd Fl, Courtroom #6	South	wall	wood	intact	stained	<LOD	no	no
810	3rd Fl, Courtroom #6	South	judge bench	wood	intact	stained	0.01 ± 0.04	no	yes
811	3rd Fl, Courtroom #6	South	witness stand	wood	intact	stained	<LOD	no	no
812	3rd Fl, Courtroom #6	South	wall base	wood	intact	stained	<LOD	no	no
813	3rd Fl, Courtroom #6	West	wall	wood	intact	stained	<LOD	no	no
814	3rd Fl, Courtroom #6	West	wall base	plastic	intact	brown	<LOD	no	no
815	3rd Fl, Courtroom #6	West	crown moulding	wood	intact	stained	<LOD	no	no
816	3rd Fl, Courtroom #6	West	wall base	wood	intact	stained	<LOD	no	no
817	3rd Fl, Courtroom #6	West	railing	wood	intact	stained	<LOD	no	no
818	3rd Fl, Courtroom #6	West	door frame	wood	intact	stained	<LOD	no	no
819	3rd Fl, Courtroom #6	West	door	wood	intact	stained	<LOD	no	no
820	3rd Fl, Courtroom #6, Attorney Room	North	door frame	wood	intact	stained	<LOD	no	no
821	3rd Fl, Courtroom #6, Attorney Room	North	door	wood	intact	stained	<LOD	no	no
822	3rd Fl, Courtroom #6, Attorney Room	West	wall	gypboard	intact	beige	<LOD	no	no
823	3rd Fl, Courtroom #6, Hallway		ceiling	gypboard	intact	beige	<LOD	no	no
824	3rd Fl, Courtroom #6, Hallway	West	wall	gypboard	intact	beige	<LOD	no	no
825	3rd Fl, Courtroom #6, Hallway	East	wall	gypboard	intact	beige	0.04 ± 0.13	no	yes
826	3rd Fl, Courtroom #6, Hallway	East	door	wood	intact	brown	<LOD	no	no
827	3rd Fl, Courtroom #6, Hallway	East	door frame	wood	intact	brown	<LOD	no	no
828	3rd Fl, Courtroom #6, Jury Room, Men's	East	door frame	wood	intact	brown	0.01 ± 0.05	no	yes

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Judiciary Condition Assessment
Ka'ahumanu Hale

XRF#	Location	Side	Component	Substrate	Condition	Color	PbC (mg/cm²)	Lead-Based Paint	Confirmed Lead-Containing Paint
829	3rd Fl, Courtroom #6, Jury Room, Men's	East	door	wood	intact	brown	<LOD	no	no
830	3rd Fl, Courtroom #6, Jury Room, Men's	North	wall	gypboard	intact	beige	<LOD	no	no
831	3rd Fl, Courtroom #6, Jury Room, Men's	West	wall	gypboard	intact	beige	<LOD	no	no
832	3rd Fl, Courtroom #6, Jury Room, Men's		ceiling	gypboard	intact	beige	<LOD	no	no
833	3rd Fl, Courtroom #6, Jury Room, Women's	East	door	wood	intact	brown	<LOD	no	no
834	3rd Fl, Courtroom #6, Jury Room, Women's	East	wall	gypboard	intact	beige	<LOD	no	no
835	3rd Fl, Courtroom #6, Jury Room, Women's	South	wall	gypboard	intact	beige	<LOD	no	no
836	3rd Fl, Courtroom #6, Jury Room, Women's	North	wall	gypboard	intact	beige	<LOD	no	no
837	3rd Fl, Courtroom #6, Jury Room, Women's		ceiling	gypboard	intact	beige	<LOD	no	no
838	3rd Fl, Courtroom #6, Jury Room	North	door frame	wood	intact	brown	<LOD	no	no
839	3rd Fl, Courtroom #6, Jury Room	North	door	wood	intact	brown	0.02 ± 0.64	no	yes
840	3rd Fl, Courtroom #6, Jury Room	North	wall	gypboard	intact	beige	<LOD		
841	3rd Fl, Courtroom #6, Jury Room	East	wall	gypboard	intact	beige	<LOD	no	no
842	3rd Fl, Courtroom #6, Jury Room	South	wall	gypboard	intact	beige	<LOD	no	no
843	3rd Fl, Courtroom #6, Jury Room	South	door frame	wood	intact	brown	<LOD	no	no
844	3rd Fl, Courtroom #6, Jury Room	South	door	wood	intact	brown	<LOD	no	no
845	NULL								
846	3rd Fl, Atrium	West	wall	gypboard	intact	beige	0.01 ± 0.05	no	yes
847	3rd Fl, Atrium	West	wall base	gypboard	intact	beige	<LOD	no	no
848	3rd Fl, Atrium	South	wall	gypboard	intact	beige	<LOD	no	no
849	3rd Fl, Atrium	South	door frame	wood	intact	brown	<LOD	no	no
850	3rd Fl, Atrium	South	door	wood	intact	brown	<LOD	no	no
851	3rd Fl, Atrium	North	door frame	wood	intact	brown	<LOD	no	no
852	3rd Fl, Atrium	North	door	wood	intact	brown	<LOD	no	no
853	3rd Fl, Atrium	North	wall	gypboard	intact	beige	<LOD	no	no
854	3rd Fl, Sheriff	South	door frame	wood	intact	brown	<LOD	no	no
855	3rd Fl, Sheriff	South	door	wood	intact	brown	<LOD	no	no
856	3rd Fl, Sheriff	South	wall	gypboard	intact	beige	<LOD	no	no
857	3rd Fl, Sheriff	West	wall	gypboard	intact	beige	<LOD	no	no
858	3rd Fl, Sheriff	North	wall	gypboard	intact	beige	<LOD	no	no
859	3rd Fl, Sheriff	North	conduit	plastic	intact	beige	<LOD	no	no
860	3rd Fl, Sheriff	East	wall	gypboard	intact	beige	<LOD	no	no
861	3rd Fl, Sheriff		ceiling	gypboard	intact	beige	<LOD	no	no
862	3rd Fl, Press	South	door frame	wood	intact	brown	0.01 ± 0.07	no	yes
863	3rd Fl, Press	South	door	wood	intact	brown	<LOD	no	no
864	3rd Fl, Press	South	wall	gypboard	intact	beige	<LOD	no	no
865	3rd Fl, Press	West	wall	gypboard	intact	beige	<LOD	no	no
866	3rd Fl, Press	North	wall	gypboard	intact	beige	<LOD	no	no
867	3rd Fl, Press	East	wall	gypboard	intact	beige	<LOD	no	no
868	3rd Fl, Press		ceiling	gypboard	intact	beige	<LOD	no	no
907	Calibration						0.90 ± 0.10		
908	NULL								
909	NULL								
910	NULL								
911	Calibration						1.00 ± 0.10		
912	Calibration						0.90 ± 0.10		

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Laboratory Report

Painted Surfaces Total Elemental Lead Analyses
by X-Ray Fluorescence

EMET ID: 1511498

Test Date: September 6, 2017

Judiciary Condition Assessment
Ka'ahumanu Hale

XRF#	Location	Side	Component	Substrate	Condition	Color	PbC (mg/cm^2)	Lead-Based Paint	Confirmed Lead-Containing Paint
947	Calibration						1.10 ± 0.10		
948	Calibration						1.00 ± 0.10		
949	NULL								
950	Calibration						1.00 ± 0.10		
951	3rd Fl, Mauka Staff Lounge	South	door frame	wood	intact	brown	<LOD	no	no
952	3rd Fl, Mauka Staff Lounge	South	door	wood	intact	brown	<LOD	no	no
953	3rd Fl, Mauka Staff Lounge	South	wall	gypboard	intact	beige	<LOD	no	no
954	3rd Fl, Mauka Staff Lounge	East	wall	gypboard	intact	beige	<LOD	no	no
955	3rd Fl, Mauka Staff Lounge	North	window sill	concrete	intact	beige	<LOD	no	no
956	3rd Fl, Mauka Staff Lounge	North	wall	gypboard	intact	beige	<LOD	no	no
957	3rd Fl, Mauka Staff Lounge	West	wall	gypboard	intact	beige	<LOD	no	no
958	3rd Fl, Mauka Staff Lounge	West	cabinet	wood	intact	stained	<LOD	no	no
959	3rd Fl, Room 7A	South	door frame	wood	intact	brown	<LOD	no	no
960	3rd Fl, Room 7A	South	door	wood	intact	brown	0.01 ± 0.06	no	yes
961	3rd Fl, Room 7A	South	wall	gypboard	intact	beige	<LOD	no	no
962	3rd Fl, Room 7A	West	wall	gypboard	intact	beige	<LOD	no	no
963	3rd Fl, Room 7A	North	wall	gypboard	intact	beige	<LOD	no	no
964	3rd Fl, Room 7A	North	window sill	concrete	intact	beige	<LOD	no	no
965	3rd Fl, Room 7A	East	wall	gypboard	intact	beige	<LOD	no	no
966	3rd Fl, Electrical Room	South	door frame	wood	intact	brown	<LOD	no	no
967	3rd Fl, Electrical Room	South	door	wood	intact	brown	<LOD	no	no
968	3rd Fl, Electrical Room	South	wall	gypboard	intact	beige	<LOD	no	no
969	3rd Fl, Electrical Room	West	wall	gypboard	intact	beige	<LOD	no	no
970	3rd Fl, Electrical Room	East	conduit	metal	intact	beige	<LOD	no	no
971	3rd Fl, Electrical Room	East	panel	metal	intact	gray	0.01 ± 0.03	no	yes
972	3rd Fl, Corridor	North	wall	gypboard	intact	beige	0.01 ± 0.03	no	yes
973	3rd Fl, Corridor	South	wall	gypboard	intact	beige	<LOD	no	no
974	3rd Fl, Northeast Lanais	West	wall	plaster	intact	beige	<LOD	no	no
975	3rd Fl, Northeast Lanais	East	wall	plaster	intact	beige	<LOD	no	no
976	3rd Fl, Northeast Lanais		soffit	concrete	intact	beige	<LOD	no	no
977	3rd Fl, Elevator 6 Lobby	East	wall	gypboard	intact	beige	<LOD	no	no
978	3rd Fl, Elevator 6 Lobby	West	wall	gypboard	intact	beige	<LOD	no	no
979	3rd Fl, Elevator 6 Lobby	North	door frame	metal	intact	brown	<LOD	no	no
980	3rd Fl, Judge's Chambers 2, Clerks Office	West	door frame	wood	intact	brown	0.03 ± 0.14	no	yes
981	3rd Fl, Judge's Chambers 2, Clerks Office	West	door	wood	intact	brown	<LOD	no	no
982	3rd Fl, Judge's Chambers 2, Clerks Office	West	wall	gypboard	intact	beige	0.01 ± 0.04	no	yes
983	3rd Fl, Judge's Chambers 2, Clerks Office	South	wall	gypboard	intact	beige	<LOD	no	no
984	3rd Fl, Judge's Chambers 2, Clerks Office	East	wall	gypboard	intact	beige	<LOD	no	no
985	3rd Fl, Judge's Chambers 2, Clerks Office	East	window sill	concrete	intact	brown	<LOD	no	no
986	3rd Fl, Judge's Chambers 2, Clerks Office	North	wall	gypboard	intact	beige	<LOD	no	no
987	3rd Fl, Judge's Chambers 2, Clerks Office	North	door frame	metal	intact	brown	<LOD	no	no
988	3rd Fl, Judge's Chambers 2, Clerks Office	North	column	concrete	intact	beige	<LOD	no	no
989	3rd Fl, Judge's Chambers 2, Lanai	West	wall	plaster	intact	beige	0.01 ± 0.04	no	yes
990	3rd Fl, Judge's Chambers 2, Lanai		fire sprinkler pipe	metal	intact	orange	<LOD	no	no
991	3rd Fl, Judge's Chambers 2	East	door frame	wood	intact	stained	<LOD	no	no
992	3rd Fl, Judge's Chambers 2	East	door	wood	intact	stained	<LOD	no	no
993	3rd Fl, Judge's Chambers 2	East	wall	gypboard	intact	beige	-0.74 ± 1.62	no	yes
994	3rd Fl, Judge's Chambers 2	North	wall	gypboard	intact	beige	<LOD	no	no
995	3rd Fl, Judge's Chambers 2	North	window sill	concrete	intact	beige	<LOD	no	no
996	3rd Fl, Judge's Chambers 2	West	wall	gypboard	intact	beige	<LOD	no	no
997	3rd Fl, Judge's Chambers 2	West	door frame	wood	intact	brown	<LOD	no	no
998	3rd Fl, Judge's Chambers 2	West	door	wood	intact	brown	<LOD	no	no
999	3rd Fl, Judge's Chambers 2, Restroom	North	wall	concrete	intact	brown	<LOD	no	no
1000	3rd Fl, Judge's Chambers 2, Restroom		ceiling	gypboard	intact	beige	<LOD	no	no
1001	3rd Fl, Criminal Assignment Office	West	door frame	wood	intact	stained	<LOD	no	no
1002	3rd Fl, Criminal Assignment Office	West	door	wood	intact	stained	<LOD	no	no
1003	3rd Fl, Criminal Assignment Office	West	wall	gypboard	intact	beige	<LOD	no	no

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Judiciary Condition Assessment
Ka'ahumanu Hale

XRF#	Location	Side	Component	Substrate	Condition	Color	PbC (mg/cm²)	Lead-Based Paint	Confirmed Lead-Containing Paint
1004	3rd Fl, Criminal Assignment Office	North	wall	gypboard	intact	beige	<LOD	no	no
1005	3rd Fl, Criminal Assignment Office	East	window sill	concrete	intact	beige	<LOD	no	no
1006	3rd Fl, Criminal Assignment Office	East	wall	gypboard	intact	beige	<LOD	no	no
1007	3rd Fl, Criminal Assignment Office	South	wall	gypboard	intact	beige	<LOD	no	no
1008	3rd Fl, Criminal Assignment Office, Evidence Room	South	door	wood	intact	brown	<LOD	no	no
1009	3rd Fl, Criminal Assignment Office, Evidence Room	South	wall	gypboard	intact	beige	<LOD	no	no
1010	3rd Fl, Criminal Assignment Office, Evidence Room	West	wall	gypboard	intact	beige	<LOD	no	no
1011	3rd Fl, Criminal Assignment Office, Evidence Room	North	wall	gypboard	intact	beige	<LOD	no	no
1012	3rd Fl, Criminal Assignment Office, Evidence Room	East	wall	gypboard	intact	beige	<LOD	no	no
1013	3rd Fl, Criminal Assignment Office, Evidence Room		ceiling	gypboard	intact	beige	<LOD	no	no
1014	3rd Fl, East Corridor	West	door frame	wood	intact	stained	0.01 ± 0.06	no	yes
1015	3rd Fl, East Corridor	West	door	wood	intact	stained	<LOD	no	no
1016	3rd Fl, East Corridor	West	wall	gypboard	intact	beige	<LOD	no	no
1017	3rd Fl, East Corridor	East	wall	gypboard	intact	beige	0.60 ± 0.40	no	yes
1018	3rd Fl, East Corridor		ceiling	gypboard	intact	beige	0.01 ± 0.05	no	yes
1019	3rd Fl, East Corridor		ceiling	gypboard	intact	beige	<LOD	no	no
1020	3rd Fl, East Corridor	South	wall	gypboard	intact	beige	<LOD	no	no
1021	3rd Fl, Cells	West	door frame	wood	intact	brown	<LOD	no	no
1022	3rd Fl, Cells	West	door	wood	intact	brown	<LOD	no	no
1023	3rd Fl, Cells	North	elevator door	metal	intact	brown	<LOD	no	no
1024	3rd Fl, Cells, Control Room	North	door frame	wood	intact	brown	<LOD	no	no
1025	3rd Fl, Cells, Control Room	North	door	wood	intact	brown	<LOD	no	no
1026	3rd Fl, Cells, Control Room	North	wall	gypboard	intact	beige	<LOD	no	no
1027	3rd Fl, Cells, Control Room	East	wall	gypboard	intact	beige	<LOD	no	no
1028	3rd Fl, Cells, Control Room	East	door frame	wood	intact	brown	<LOD	no	no
1029	3rd Fl, Cells, Control Room	South	wall	gypboard	intact	beige	<LOD	no	no
1030	3rd Fl, Cells, Control Room	West	wall	gypboard	intact	beige	<LOD	no	no
1031	3rd Fl, Cells, Control Room, Restroom	North	wall	gypboard	intact	beige	<LOD	no	no
1032	3rd Fl, Cells, Control Room, Restroom	North	door frame	wood	intact	brown	<LOD	no	no
1033	3rd Fl, Cells, Control Room, Restroom	South	wall	gypboard	intact	beige	<LOD	no	no
1034	3rd Fl, Cells, Control Room, Restroom		ceiling	gypboard	intact	beige	<LOD	no	no
1035	3rd Fl, Cell #1	West	wall	concrete	intact	beige	<LOD	no	no
1036	3rd Fl, Cell #1	South	door frame	metal	intact	brown	<LOD	no	no
1037	3rd Fl, Cell #2	West	wall	concrete	intact	beige	<LOD	no	no
1038	3rd Fl, Cell #2	South	door	metal	intact	brown	<LOD	no	no
1039	3rd Fl, Cell #3		ceiling	concrete	intact	beige	<LOD	no	no
1040	3rd Fl, Cell #3	East	wall	concrete	intact	beige	<LOD	no	no
1041	3rd Fl, Cell #3	South	door frame	metal	intact	brown	<LOD	no	no
1042	3rd Fl, Cell #4		ceiling	concrete	intact	beige	<LOD	no	no
1043	3rd Fl, Cell #4	North	wall	concrete	intact	beige	<LOD	no	no
1044	3rd Fl, Cell #5	South	wall	concrete	intact	beige	<LOD	no	no
1045	3rd Fl, Cell #5	West	door	metal	intact	brown	<LOD	no	no
1046	3rd Fl, Cell #6		ceiling	concrete	intact	beige	<LOD	no	no
1047	3rd Fl, Cell #6	East	wall	concrete	intact	beige	<LOD	no	no
1048	3rd Fl, Cell #7	East	door	metal	intact	brown	<LOD	no	no
1049	3rd Fl, Cell #7	East	door frame	metal	intact	brown	0.01 ± 0.06	no	yes
1050	3rd Fl, Cell #7	North	wall	concrete	intact	beige	<LOD	no	no
1051	3rd Fl, Cell #8	South	wall	concrete	intact	beige	<LOD	no	no
1052	3rd Fl, Cell #8		ceiling	concrete	intact	beige	<LOD	no	no
1053	3rd Fl, Cell #9	East	wall	concrete	intact	beige	<LOD	no	no
1054	3rd Fl, Cell #9	East	door frame	metal	intact	brown	<LOD	no	no
1055	3rd Fl, Interview Room	West	wall	gypboard	intact	beige	<LOD	no	no
1056	3rd Fl, Interview Room	North	wall	gypboard	intact	beige	<LOD	no	no
1057	3rd Fl, Interview Room	South	wall	gypboard	intact	beige	<LOD	no	no
1058	3rd Fl, Interview Room	East	wall	gypboard	intact	beige	<LOD	no	no
1059	3rd Fl, Interview Room		partition	wood	intact	beige	<LOD	no	no
1060	3rd Fl, Interview Room		partition	wood	intact	beige	<LOD	no	no
1061	3rd Fl, Interview Room		partition	wood	intact	beige	<LOD	no	no
1062	3rd Fl, Interview Room	East	door frame	wood	intact	brown	<LOD	no	no
1063	3rd Fl, Interview Room	East	door	wood	intact	brown	<LOD	no	no
1064	3rd Fl, Interview Room	West	door frame	wood	intact	brown	<LOD	no	no
1065	3rd Fl, Interview Room	West	door	wood	intact	brown	<LOD	no	no

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Judiciary Condition Assessment
Ka'ahumanu Hale

XRF#	Location	Side	Component	Substrate	Condition	Color	PbC (mg/cm²)	Lead-Based Paint	Confirmed Lead-Containing Paint
1066	3rd Fl, Judge's Chambers 1, Clerks Office	West	door frame	wood	intact	brown	<LOD	no	no
1067	3rd Fl, Judge's Chambers 1, Clerks Office	West	door	wood	intact	brown	<LOD	no	no
1068	3rd Fl, Judge's Chambers 1, Clerks Office	North	wall	gypboard	intact	beige	<LOD	no	no
1069	3rd Fl, Judge's Chambers 1, Clerks Office	East	wall	gypboard	intact	brown	-0.56 ± 1.16	no	yes
1070	3rd Fl, Judge's Chambers 1, Clerks Office	East	window sill	concrete	intact	brown	<LOD	no	no
1071	3rd Fl, Judge's Chambers 1, Clerks Office	South	wall	gypboard	intact	beige	<LOD	no	no
1072	3rd Fl, Judge's Chambers 1, Clerks Office	South	column	concrete	intact	beige	0.02 ± 0.08	no	yes
1073	3rd Fl, Judge's Chambers 1, Clerks Office	South	door frame	metal	intact	brown	<LOD	no	no
1074	3rd Fl, Judge's Chambers 1, Clerks Office	West	wall	gypboard	intact	beige	<LOD	no	no
1075	3rd Fl, Judge's Chambers 1, Lanai	West	wall	plaster	intact	beige	<LOD	no	no
1076	3rd Fl, Judge's Chambers 1, Lanai		ceiling	concrete	intact	beige	<LOD	no	no
1077	3rd Fl, Judge's Chambers 1, Lanai		fire sprinkler pipe	metal	intact	orange	<LOD	no	no
1078	3rd Fl, Judge's Chambers 1	East	door frame	wood	intact	stained	<LOD	no	no
1079	3rd Fl, Judge's Chambers 1	East	door	wood	intact	stained	<LOD	no	no
1080	3rd Fl, Judge's Chambers 1	East	wall	gypboard	intact	beige	<LOD	no	no
1081	3rd Fl, Judge's Chambers 1	North	wall	gypboard	intact	beige	<LOD	no	no
1082	3rd Fl, Judge's Chambers 1	West	wall	gypboard	intact	beige	<LOD	no	no
1083	3rd Fl, Judge's Chambers 1	South	wall	gypboard	intact	brown	<LOD	no	no
1084	3rd Fl, Judge's Chambers 1	South	window sill	concrete	intact	brown	<LOD	no	no
1085	3rd Fl, Judge's Chambers 1, Restroom	South	wall	concrete	intact	brown	<LOD	no	no
1086	3rd Fl, Judge's Chambers 1, Restroom	West	door frame	wood	intact	brown	<LOD	no	no
1087	3rd Fl, Judge's Chambers 1, Restroom		ceiling	gypboard	intact	beige	<LOD	no	no
1088	3rd Fl, South Corridor	North	wall	gypboard	intact	beige	0.01 ± 0.05	no	yes
1089	3rd Fl, South Corridor	North	door frame	wood	intact	brown	<LOD	no	no
1090	3rd Fl, South Corridor	North	door	wood	intact	brown	<LOD	no	no
1091	3rd Fl, South Corridor	South	door frame	wood	intact	brown	<LOD	no	no
1092	3rd Fl, South Corridor	South	wall	gypboard	intact	beige	<LOD	no	no
1093	3rd Fl, South Corridor		ceiling	gypboard	intact	beige	<LOD	no	no
1094	3rd Fl, Southeast Lanais	East	wall	plaster	intact	beige	<LOD	no	no
1095	3rd Fl, Southeast Lanais	West	wall	plaster	intact	beige	<LOD	no	no
1096	3rd Fl, Elevator 7 Lobby		ceiling	gypboard	intact	beige	0.01 ± 0.04	no	yes
1097	3rd Fl, Elevator 7 Lobby	East	wall	gypboard	intact	beige	<LOD	no	no
1098	3rd Fl, Elevator 7 Lobby	West	wall	gypboard	intact	beige	<LOD	no	no
1099	3rd Fl, Elevator 7 Lobby	South	door frame	metal	intact	brown	<LOD	no	no
1100	3rd Fl, Telephone Room	North	door frame	wood	intact	brown	<LOD	no	no
1101	3rd Fl, Telephone Room	North	door	wood	intact	brown	<LOD	no	no
1102	3rd Fl, Telephone Room	North	wall	gypboard	intact	beige	<LOD	no	no
1103	3rd Fl, Telephone Room	West	wall	gypboard	intact	beige	<LOD	no	no
1104	3rd Fl, Telephone Room	East	wall	gypboard	intact	beige	<LOD	no	no
1105	3rd Fl, Storage	North	door frame	wood	intact	brown	<LOD	no	no
1106	3rd Fl, Storage	North	door	wood	intact	brown	<LOD	no	no
1107	3rd Fl, Storage	North	wall	gypboard	intact	beige	<LOD	no	no
1108	3rd Fl, Storage	West	wall	gypboard	intact	beige	<LOD	no	no
1109	3rd Fl, Storage	East	wall	gypboard	intact	beige	<LOD	no	no
1110	3rd Fl, Makai Staff Lounge	North	door	wood	intact	brown	<LOD	no	no
1111	3rd Fl, Makai Staff Lounge	North	door frame	wood	intact	brown	<LOD	no	no
1112	3rd Fl, Makai Staff Lounge	North	wall	gypboard	intact	beige	<LOD	no	no
1113	3rd Fl, Makai Staff Lounge	East	wall	gypboard	intact	beige	<LOD	no	no
1114	3rd Fl, Makai Staff Lounge	South	wall	gypboard	intact	beige	<LOD	no	no
1115	3rd Fl, Makai Staff Lounge	South	window sill	concrete	intact	beige	<LOD	no	no
1116	3rd Fl, Makai Staff Lounge	West	wall	gypboard	intact	beige	<LOD	no	no
1117	3rd Fl, Makai Staff Lounge	West	cabinet	wood	intact	stained	<LOD	no	no
1118	3rd Fl, Judge's Chambers 3, Clerks Office	North	door frame	wood	intact	brown	<LOD	no	no
1119	3rd Fl, Judge's Chambers 3, Clerks Office	North	door	wood	intact	brown	<LOD	no	no
1120	3rd Fl, Judge's Chambers 3, Clerks Office	North	wall	gypboard	intact	beige	<LOD	no	no
1121	3rd Fl, Judge's Chambers 3, Clerks Office	West	wall	gypboard	intact	beige	<LOD	no	no
1122	3rd Fl, Judge's Chambers 3, Clerks Office	South	window sill	concrete	intact	brown	<LOD	no	no
1123	3rd Fl, Judge's Chambers 3, Clerks Office		column	concrete	intact	beige	<LOD	no	no
1124	3rd Fl, Judge's Chambers 3, Clerks Office	East	wall	gypboard	intact	beige	<LOD	no	no
1125	3rd Fl, Judge's Chambers 3	West	door	wood	intact	brown	<LOD	no	no
1126	3rd Fl, Judge's Chambers 3	North	wall	gypboard	intact	beige	<LOD	no	no
1127	3rd Fl, Judge's Chambers 3	West	wall	gypboard	intact	beige	<LOD	no	no

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Judiciary Condition Assessment
Ka'ahumanu Hale

XRF#	Location	Side	Component	Substrate	Condition	Color	PbC (mg/cm²)	Lead-Based Paint	Confirmed Lead-Containing Paint
1128	3rd Fl, Judge's Chambers 3	South	window sill	concrete	intact	brown	<LOD	no	no
1129	3rd Fl, Judge's Chambers 3	South	wall	gypboard	intact	brown	<LOD	no	no
1130	3rd Fl, Judge's Chambers 3, Restroom	West	door frame	wood	intact	brown	<LOD	no	no
1131	3rd Fl, Judge's Chambers 3, Restroom	West	door	wood	intact	brown	<LOD	no	no
1132	3rd Fl, Judge's Chambers 3, Restroom		ceiling	gypboard	intact	beige	<LOD	no	no
1133	3rd Fl, Lockers between Chambers 3 and 4	North	door	wood	intact	brown	<LOD	no	no
1134	3rd Fl, Lockers between Chambers 3 and 4	North	door frame	wood	intact	brown	<LOD	no	no
1135	3rd Fl, Lockers between Chambers 3 and 4	West	wall	gypboard	intact	beige	<LOD	no	no
1136	3rd Fl, Lockers between Chambers 3 and 4		ceiling	gypboard	intact	beige	<LOD	no	no
1137	3rd Fl, Lockers between Chambers 3 and 4	South	wall	gypboard	intact	beige	<LOD	no	no
1138	3rd Fl, Lockers between Chambers 3 and 4	East	wall	gypboard	intact	beige	<LOD	no	no
1139	3rd Fl, Judge's Chambers 4, Clerks Office	North	door frame	wood	intact	brown	<LOD	no	no
1140	3rd Fl, Judge's Chambers 4, Clerks Office	North	door	wood	intact	brown	<LOD	no	no
1141	3rd Fl, Judge's Chambers 4, Clerks Office	North	wall	gypboard	intact	beige	<LOD	no	no
1142	3rd Fl, Judge's Chambers 4, Clerks Office	East	wall	gypboard	intact	beige	<LOD	no	no
1143	3rd Fl, Judge's Chambers 4, Clerks Office	South	wall	gypboard	intact	beige	<LOD	no	no
1144	3rd Fl, Judge's Chambers 4, Clerks Office	South	window sill	concrete	intact	brown	<LOD	no	no
1145	3rd Fl, Judge's Chambers 4, Clerks Office	South	column	concrete	intact	beige	<LOD	no	no
1146	3rd Fl, Judge's Chambers 4, Clerks Office	West	wall	gypboard	intact	beige	<LOD	no	no
1147	3rd Fl, Judge's Chambers 4	East	door frame	wood	intact	brown	<LOD	no	no
1148	3rd Fl, Judge's Chambers 4	East	door	wood	intact	brown	<LOD	no	no
1149	3rd Fl, Judge's Chambers 4	East	wall	gypboard	intact	beige	<LOD	no	no
1150	3rd Fl, Judge's Chambers 4	South	wall	gypboard	intact	beige	<LOD	no	no
1151	3rd Fl, Judge's Chambers 4	South	window sill	concrete	intact	beige	<LOD	no	no
1152	3rd Fl, Judge's Chambers 4	West	wall	gypboard	intact	beige	<LOD	no	no
1153	3rd Fl, Judge's Chambers 4	North	wall	gypboard	intact	beige	<LOD	no	no
1154	3rd Fl, Judge's Chambers 4, Restroom		ceiling	gypboard	intact	beige	0.01 ± 0.02	no	yes
1155	3rd Fl, Judge's Chambers 4, Restroom	South	wall	gypboard	intact	beige	<LOD	no	no
1156	3rd Fl, South Corridor		ceiling	gypboard	intact	beige	<LOD	no	no
1157	3rd Fl, South Corridor	North	wall	gypboard	intact	beige	<LOD	no	no
1158	3rd Fl, South Corridor	North	door frame	wood	intact	brown	<LOD	no	no
1159	3rd Fl, South Corridor	North	door	wood	intact	brown	<LOD	no	no
1160	3rd Fl, South Corridor	South	wall	gypboard	intact	beige	<LOD	no	no
1161	3rd Fl, Elevator 8 Lobby		ceiling	gypboard	intact	beige	<LOD	no	no
1162	3rd Fl, Elevator 8 Lobby	South	door frame	metal	intact	brown	0.01 ± 0.08	no	yes
1163	3rd Fl, Women's	South	door frame	wood	intact	brown	<LOD	no	no
1164	3rd Fl, Women's	South	door	wood	intact	brown	<LOD	no	no
1165	3rd Fl, Women's		ceiling	gypboard	intact	beige	<LOD	no	no
1166	3rd Fl, Women's	West	wall	gypboard	intact	beige	<LOD	no	no
1167	3rd Fl, Women's	East	wall	gypboard	intact	beige	<LOD	no	no
1168	3rd Fl, Men's	East	wall	gypboard	intact	beige	<LOD	no	no
1169	3rd Fl, Men's	North	wall	gypboard	intact	beige	<LOD	no	no
1170	3rd Fl, Men's	West	wall	gypboard	intact	beige	<LOD	no	no
1171	3rd Fl, Men's		ceiling	gypboard	intact	beige	<LOD	no	no
1172	3rd Fl, Janitor	South	door frame	wood	intact	brown	<LOD	no	no
1173	3rd Fl, Janitor	South	door	wood	intact	brown	<LOD	no	no
1174	3rd Fl, Janitor	North	wall	gypboard	intact	beige	<LOD	no	no
1175	3rd Fl, Atrium, Men's	North	door frame	wood	intact	brown	<LOD	no	no
1176	3rd Fl, Atrium, Men's	North	door	wood	intact	brown	0.03 ± 0.09	no	yes
1177	3rd Fl, Atrium, Men's	East	wall	gypboard	intact	beige	<LOD	no	no
1178	3rd Fl, Atrium, Men's	South	wall	gypboard	intact	beige	<LOD	no	no
1179	3rd Fl, Atrium, Men's		ceiling	gypboard	intact	beige	<LOD	no	no
1180	3rd Fl, Atrium, Attorney	North	door	wood	intact	brown	<LOD	no	no
1181	3rd Fl, Atrium, Attorney	South	wall	gypboard	intact	beige	<LOD	no	no
1182	Calibration						1.00 ± 0.10		
1183	Calibration						0.90 ± 0.10		
1184	Calibration						1.00 ± 0.10		

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Laboratory Report

Painted Surfaces Total Elemental Lead Analyses
by X-Ray Fluorescence

EMET ID: 1511498

Test Date: September 7, 2017

Judiciary Condition Assessment
Ka'ahumanu Hale

XRF#	Location	Side	Component	Substrate	Condition	Color	PbC (mg/cm²)	Lead-Based Paint	Confirmed Lead-Containing Paint
1240	Calibration						1.00 ± 0.10		
1241	NULL								
1242	Calibration						1.00 ± 0.10		
1243	NULL								
1244	Calibration						1.00 ± 0.10		
1245	3rd Fl, Courtroom #7	South	door frame	wood	intact	stained	<LOD	no	no
1246	3rd Fl, Courtroom #7	South	door	wood	intact	stained	<LOD	no	no
1247	3rd Fl, Courtroom #7	South	wall	wood	intact	stained	<LOD	no	no
1248	3rd Fl, Courtroom #7	West	wall	wood	intact	stained	<LOD	no	no
1249	3rd Fl, Courtroom #7	West	crown moulding	wood	intact	stained	<LOD	no	no
1250	3rd Fl, Courtroom #7	West	wall base	wood	intact	stained	<LOD	no	no
1251	3rd Fl, Courtroom #7	East	wall	wood	intact	stained	<LOD	no	no
1252	3rd Fl, Courtroom #7	East	crown moulding	wood	intact	stained	<LOD	no	no
1253	3rd Fl, Courtroom #7	North	judge bench	wood	intact	stained	<LOD	no	no
1254	3rd Fl, Courtroom #7	North	wall	wood	intact	stained	<LOD	no	no
1255	3rd Fl, Courtroom #7	North	door frame	wood	intact	stained	0.01 ± 0.05	no	yes
1256	3rd Fl, Courtroom #7	North	door	wood	intact	stained	0.04 ± 0.19	no	yes
1257	3rd Fl, Courtroom #7		railing	wood	intact	stained	<LOD	no	no
1258	3rd Fl, Courtroom #7		bench	wood	intact	stained	<LOD	no	no
1259	3rd Fl, Courtroom #7, Vestibule		ceiling	gypboard	intact	beige	<LOD	no	no
1260	3rd Fl, Courtroom #7, Attorney	North	wall	gypboard	intact	beige	<LOD	no	no
1261	3rd Fl, Courtroom #7, Attorney	West	wall	gypboard	intact	beige	<LOD	no	no
1262	3rd Fl, Courtroom #7, Witness	East	wall	gypboard	intact	beige	0.01 ± 0.03	no	yes
1263	3rd Fl, Courtroom #7, Witness	South	wall	gypboard	intact	beige	<LOD	no	no
1264	3rd Fl, Courtroom #7, Hallway		ceiling	gypboard	intact	beige	<LOD	no	no
1265	3rd Fl, Courtroom #7, Hallway	West	wall	gypboard	intact	beige	<LOD	no	no
1266	3rd Fl, Courtroom #7, Hallway	North	door frame	wood	intact	brown	<LOD	no	no
1267	3rd Fl, Courtroom #7, Men's	West	door frame	wood	intact	brown	<LOD	no	no
1268	3rd Fl, Courtroom #7, Men's	West	door	wood	intact	brown	<LOD	no	no
1269	3rd Fl, Courtroom #7, Men's	North	wall	gypboard	intact	beige	<LOD	no	no
1270	3rd Fl, Courtroom #7, Men's		ceiling	gypboard	intact	beige	<LOD	no	no
1271	3rd Fl, Courtroom #7, Women's	West	door	wood	intact	brown	<LOD	no	no
1272	3rd Fl, Courtroom #7, Women's	South	wall	gypboard	intact	beige	<LOD	no	no
1273	3rd Fl, Courtroom #7, Women's		ceiling	gypboard	intact	beige	<LOD	no	no
1274	3rd Fl, Courtroom #7, Jury Room	South	door	wood	intact	brown	<LOD	no	no
1275	3rd Fl, Courtroom #7, Jury Room	South	wall	gypboard	intact	beige	<LOD	no	no
1276	3rd Fl, Courtroom #7, Jury Room	West	wall	gypboard	intact	beige	<LOD	no	no
1277	3rd Fl, Courtroom #7, Jury Room	North	wall	gypboard	intact	beige	<LOD	no	no
1278	3rd Fl, Courtroom #7, Jury Room	North	door frame	wood	intact	brown	<LOD	no	no
1279	3rd Fl, Courtroom #7, Jury Room	East	wall	gypboard	intact	beige	<LOD	no	no
1280	3rd Fl, Courtroom #8, Vestibule		ceiling	gypboard	intact	beige	<LOD	no	no
1281	3rd Fl, Courtroom #8	North	door frame	wood	intact	stained	<LOD	no	no
1282	3rd Fl, Courtroom #8	North	door	wood	intact	stained	<LOD	no	no
1283	3rd Fl, Courtroom #8	North	wall	wood	intact	stained	<LOD	no	no
1284	3rd Fl, Courtroom #8	North	crown moulding	wood	intact	stained	<LOD	no	no
1285	3rd Fl, Courtroom #8	East	wall	wood	intact	stained	<LOD	no	no
1286	3rd Fl, Courtroom #8	East	wall base	wood	intact	stained	<LOD	no	no
1287	3rd Fl, Courtroom #8	East	jury box	wood	intact	stained	<LOD	no	no
1288	3rd Fl, Courtroom #8	South	wall	wood	intact	stained	<LOD	no	no
1289	3rd Fl, Courtroom #8	South	judge bench	wood	intact	stained	<LOD	no	no
1290	3rd Fl, Courtroom #8	West	wall	wood	intact	stained	<LOD	no	no
1291	3rd Fl, Courtroom #8	West	door	wood	intact	stained	<LOD	no	no
1292	3rd Fl, Courtroom #8		bench	wood	intact	stained	<LOD	no	no
1293	3rd Fl, Courtroom #8	West	railing	wood	intact	stained	<LOD	no	no
1294	3rd Fl, Courtroom #8, Hallway		ceiling	gypboard	intact	beige	<LOD	no	no
1295	3rd Fl, Courtroom #8, Hallway	West	wall	gypboard	intact	beige	0.01 ± 0.03	no	yes
1296	3rd Fl, Courtroom #8, Hallway	East	wall	gypboard	intact	beige	<LOD	no	no

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EMET ID: 1511498

Test Date: September 7, 2017

Judiciary Condition Assessment
Ka'ahumanu Hale

XRF#	Location	Side	Component	Substrate	Condition	Color	PbC (mg/cm²)	Lead-Based Paint	Confirmed Lead-Containing Paint
1297	3rd Fl, Courtroom #8, Hallway	South	door frame	wood	intact	brown	0.01 ± 0.05	no	yes
1298	3rd Fl, Courtroom #8, Hallway	South	door	wood	intact	brown	0.01 ± 0.03	no	yes
1299	3rd Fl, Courtroom #8, Women's	West	door frame	wood	intact	brown	<LOD	no	no
1300	3rd Fl, Courtroom #8, Women's	West	door	wood	intact	brown	<LOD	no	no
1301	3rd Fl, Courtroom #8, Women's	North	wall	gypboard	intact	beige	<LOD	no	no
1302	3rd Fl, Courtroom #8, Women's		ceiling	gypboard	intact	beige	<LOD	no	no
1303	3rd Fl, Courtroom #8, Men's	West	door frame	wood	intact	brown	0.01 ± 0.04	no	yes
1304	3rd Fl, Courtroom #8, Men's	West	door	wood	intact	brown	<LOD	no	no
1305	3rd Fl, Courtroom #8, Men's	North	wall	gypboard	intact	beige	<LOD	no	no
1306	3rd Fl, Courtroom #8, Men's		ceiling	gypboard	intact	beige	<LOD	no	no
1307	3rd Fl, Courtroom #8, Jury Room	South	door frame	wood	intact	brown	<LOD	no	no
1308	3rd Fl, Courtroom #8, Jury Room	South	door	wood	intact	brown	<LOD	no	no
1309	3rd Fl, Courtroom #8, Jury Room	South	wall	gypboard	intact	beige	<LOD	no	no
1310	3rd Fl, Courtroom #8, Jury Room	East	wall	gypboard	intact	beige	<LOD	no	no
1311	3rd Fl, Courtroom #8, Jury Room	North	wall	gypboard	intact	beige	<LOD	no	no
1312	3rd Fl, Courtroom #8, Jury Room	West	wall	gypboard	intact	beige	<LOD	no	no
1313	3rd Fl, Courtroom #8, Attorney	North	wall	gypboard	intact	beige	<LOD	no	no
1314	3rd Fl, Courtroom #8, Witness	North	door frame	wood	intact	brown	<LOD	no	no
1315	3rd Fl, Courtroom #8, Witness	West	wall	gypboard	intact	beige	<LOD	no	no
1316	3rd Fl, Foyer between Courtrooms #7 and #8	North	bench	wood	intact	brown	<LOD	no	no
1317	3rd Fl, Foyer between Courtrooms #7 and #8	North	wall	gypboard	intact	beige	<LOD	no	no
1318	3rd Fl, West Corridor	East	wall	gypboard	intact	beige	<LOD	no	no
1319	3rd Fl, West Corridor	East	door frame	wood	intact	brown	0.01 ± 0.25	no	yes
1320	3rd Fl, West Corridor	East	door	wood	intact	brown	<LOD	no	no
1321	3rd Fl, West Corridor		ceiling	gypboard	intact	beige	<LOD	no	no
1322	3rd Fl, West Corridor	West	wall	gypboard	intact	beige	<LOD	no	no
1323	3rd Fl, West Corridor		ceiling	gypboard	intact	beige	<LOD	no	no
1324	3rd Fl, Multi-Use Room	East	door frame	wood	intact	brown	<LOD	no	no
1325	3rd Fl, Multi-Use Room	East	door	wood	intact	brown	<LOD	no	no
1326	3rd Fl, Multi-Use Room	South	wall	gypboard	intact	beige	<LOD	no	no
1327	3rd Fl, Multi-Use Room	West	window sill	concrete	intact	brown	<LOD	no	no
1328	3rd Fl, Multi-Use Room	North	wall	gypboard	intact	beige	<LOD	no	no
1329	3rd Fl, Multi-Use Room	East	wall	gypboard	intact	beige	<LOD	no	no
1330	3rd Fl, Multi-Use Room, Storage	West	door frame	wood	intact	brown	<LOD	no	no
1331	3rd Fl, Multi-Use Room, Storage	West	door	wood	intact	brown	<LOD	no	no
1332	3rd Fl, Multi-Use Room, Kitchenette	North	wall	gypboard	intact	beige	<LOD	no	no
1333	3rd Fl, Multi-Use Room, Kitchenette	East	cabinet	wood	intact	stained	<LOD	no	no
1334	3rd Fl, Multi-Use Room, Janitor	North	door frame	wood	intact	brown	0.50 ± 0.50	no	yes
1335	3rd Fl, Multi-Use Room, Janitor	North	door	wood	intact	brown	<LOD	no	no
1336	3rd Fl, Multi-Use Room, Janitor	West	wall	gypboard	intact	beige	<LOD	no	no
1337	3rd Fl, Grand Jury Room	West	wall	gypboard	intact	beige	<LOD	no	no
1338	3rd Fl, Grand Jury Room	West	window sill	concrete	intact	beige	<LOD	no	no
1339	3rd Fl, Grand Jury Room	North	wall	gypboard	intact	beige	0.02 ± 0.08	no	yes
1340	3rd Fl, Grand Jury Room	North	column	concrete	intact	beige	<LOD	no	no
1341	3rd Fl, Grand Jury Room	North	door frame	wood	intact	brown	<LOD	no	no
1342	3rd Fl, Grand Jury Room	North	door	wood	intact	brown	<LOD	no	no
1343	3rd Fl, Grand Jury Room	East	wall	gypboard	intact	beige	<LOD	no	no
1344	3rd Fl, Grand Jury Room	South	wall	gypboard	intact	beige	<LOD	no	no
1345	3rd Fl, Grand Jury Room, Waiting Room	South	door frame	wood	intact	brown	<LOD	no	no
1346	3rd Fl, Grand Jury Room, Waiting Room	South	door	wood	intact	brown	<LOD	no	no
1347	3rd Fl, Grand Jury Room, Waiting Room	South	wall	gypboard	intact	beige	<LOD	no	no
1348	3rd Fl, Grand Jury Room, Waiting Room	West	wall	gypboard	intact	beige	<LOD	no	no
1349	3rd Fl, Grand Jury Room, Waiting Room	North	wall	gypboard	intact	beige	<LOD	no	no
1350	3rd Fl, Grand Jury Room, Waiting Room	East	wall	gypboard	intact	beige	0.02 ± 0.09	no	yes
1351	3rd Fl, Prosecuting Attorneys	South	door frame	wood	intact	brown	<LOD	no	no
1352	3rd Fl, Prosecuting Attorneys	South	door	wood	intact	brown	<LOD	no	no
1353	3rd Fl, Prosecuting Attorneys	South	wall	gypboard	intact	beige	<LOD	no	no
1354	3rd Fl, Prosecuting Attorneys	West	wall	gypboard	intact	beige	<LOD	no	no
1355	3rd Fl, Prosecuting Attorneys	North	wall	gypboard	intact	beige	<LOD	no	no
1356	3rd Fl, Prosecuting Attorneys	East	wal	gypboard	intact	beige	<LOD	no	no
1357	3rd Fl, Prosecuting Attorneys, Lounge	South	door frame	wood	intact	brown	<LOD	no	no
1358	3rd Fl, Prosecuting Attorneys, Lounge	South	wall	gypboard	intact	beige	<LOD	no	no

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EMET ID: 1511498

Test Date: September 7, 2017

Judiciary Condition Assessment
Ka'ahumanu Hale

XRF#	Location	Side	Component	Substrate	Condition	Color	PbC (mg/cm²)	Lead-Based Paint	Confirmed Lead-Containing Paint
1359	3rd Fl, Prosecuting Attorneys, Lounge	West	wall	gypboard	intact	beige	<LOD	no	no
1360	3rd Fl, Prosecuting Attorneys, Lounge	West	window sill	concrete	intact	beige	<LOD	no	no
1361	3rd Fl, Prosecuting Attorneys, Lounge	North	wall	gypboard	intact	beige	<LOD	no	no
1362	3rd Fl, Prosecuting Attorneys, Women's	West	door frame	wood	intact	brown	<LOD	no	no
1363	3rd Fl, Prosecuting Attorneys, Women's	West	door	wood	intact	brown	<LOD	no	no
1364	3rd Fl, Prosecuting Attorneys, Men's	North	wall	gypboard	intact	beige	<LOD	no	no
1365	3rd Fl, Prosecuting Attorneys, Men's		ceiling	gypboard	intact	beige	<LOD	no	no
1366	3rd Fl, Prosecuting Attorneys, Storage	East	wall	gypboard	intact	beige	<LOD	no	no
1367	3rd Fl, Judge's Chambers 7, Clerks Office	South	wall	gypboard	intact	beige	<LOD	no	no
1368	3rd Fl, Judge's Chambers 7, Clerks Office	West	wall	gypboard	intact	brown	<LOD	no	no
1369	3rd Fl, Judge's Chambers 7, Clerks Office	West	window sill	concrete	intact	brown	0.07 ± 0.09	no	yes
1370	3rd Fl, Judge's Chambers 7, Clerks Office	North	wall	gypboard	intact	beige	0.06 ± 0.10	no	yes
1371	3rd Fl, Judge's Chambers 7, Clerks Office	North	column	concrete	intact	beige	<LOD	no	no
1372	3rd Fl, Judge's Chambers 7, Lanai	East	wall	plaster	intact	beige	<LOD	no	no
1373	3rd Fl, Judge's Chambers 7	West	door frame	wood	intact	brown	<LOD	no	no
1374	3rd Fl, Judge's Chambers 7	West	door	wood	intact	brown	<LOD	no	no
1375	3rd Fl, Judge's Chambers 7	West	wall	gypboard	intact	beige	<LOD	no	no
1376	3rd Fl, Judge's Chambers 7	North	wall	concrete	intact	brown	<LOD	no	no
1377	3rd Fl, Judge's Chambers 7	East	wall	gypboard	intact	beige	<LOD	no	no
1378	3rd Fl, Judge's Chambers 7, Restroom		ceiling	gypboard	intact	beige	<LOD	no	no
1379	3rd Fl, Northwest Staff Lounge	West	wall	gypboard	intact	beige	<LOD	no	no
1380	3rd Fl, Northwest Staff Lounge	North	wall	gypboard	intact	beige	<LOD	no	no
1381	3rd Fl, Northwest Staff Lounge	North	window sill	concrete	intact	beige	<LOD	no	no
1382	3rd Fl, Northwest Staff Lounge	East	wall	gypboard	intact	beige	<LOD	no	no
1383	3rd Fl, Northwest Staff Lounge	South	door frame	wood	intact	brown	<LOD	no	no
1384	3rd Fl, Northwest Storage	South	door	wood	intact	brown	<LOD	no	no
1385	3rd Fl, Northwest Storage	South	wall	gypboard	intact	beige	<LOD	no	no
1386	3rd Fl, Northwest Telephone	West	wall	gypboard	intact	beige	<LOD	no	no
1387	3rd Fl, Judge's Chambers 8, Clerks Office	North	wall	gypboard	intact	beige	<LOD	no	no
1388	3rd Fl, Judge's Chambers 8, Clerks Office	West	window sill	concrete	intact	brown	<LOD	no	no
1389	3rd Fl, Judge's Chambers 8, Clerks Office	South	wall	gypboard	intact	beige	<LOD	no	no
1390	3rd Fl, Judge's Chambers 8, Clerks Office	South	column	concrete	intact	beige	<LOD	no	no
1391	3rd Fl, Judge's Chambers 8	West	door frame	wood	intact	brown	<LOD	no	no
1392	3rd Fl, Judge's Chambers 8	West	door	wood	intact	brown	<LOD	no	no
1393	3rd Fl, Judge's Chambers 8	West	wall	gypboard	intact	beige	<LOD	no	no
1394	3rd Fl, Judge's Chambers 8	South	window sill	concrete	intact	brown	<LOD	no	no
1395	3rd Fl, Judge's Chambers 8	North	wall	gypboard	intact	beige	<LOD	no	no
1396	3rd Fl, Judge's Chambers 8, Restroom	West	door frame	wood	intact	brown	<LOD	no	no
1397	3rd Fl, Judge's Chambers 8, Restroom		ceiling	gypboard	intact	beige	<LOD	no	no
1398	3rd Fl, Judge's Chambers 8, Restroom	South	wall	gypboard	intact	beige	<LOD	no	no
1399	3rd Fl, Southwest Staff Lounge	North	door	wood	intact	brown	<LOD	no	no
1400	3rd Fl, Southwest Staff Lounge	East	wall	gypboard	intact	beige	<LOD	no	no
1401	3rd Fl, Southwest Staff Lounge	South	window sill	concrete	intact	beige	<LOD	no	no
1402	3rd Fl, Southwest Staff Lounge	West	wall	gypboard	intact	beige	<LOD	no	no
1403	3rd Fl, Southwest Staff Lounge	West	cabinet	wood	intact	stained	<LOD	no	no
1404	3rd Fl, Southwest Storage	East	wall	gypboard	intact	beige	<LOD	no	no
1405	3rd Fl, Southwest Storage	South	wall	concrete	intact	beige	<LOD	no	no
1406	3rd Fl, Southwest Telephone	South	wall	gypboard	intact	beige	<LOD	no	no
1407	Calibration						1.10 ± 0.10		
1408	Calibration						1.00 ± 0.10		
1409	Calibration						0.90 ± 0.10		

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Laboratory Report

Painted Surfaces Total Elemental Lead Analyses
by X-Ray Fluorescence

EMET ID: 1511498

Test Date: September 8, 2017

Judiciary Condition Assessment
Ka'ahumanu Hale

XRF#	Location	Side	Component	Substrate	Condition	Color	PbC (mg/cm²)	Lead-Based Paint	Confirmed Lead-Containing Paint
1411	Calibration						1.00 ± 0.10		
1412	Calibration						1.10 ± 0.10		
1413	NULL								
1414	Calibration						1.10 ± 0.10		
1415	NULL								
1416	Roof, Mechanical Rm 5007	North	wall	concrete	fair	beige	<LOD	no	no
1417	Roof, Mechanical Rm 5007	North	door	metal	fair	brown	<LOD	no	no
1418	Roof, Mechanical Rm 5007	North	door frame	metal	fair	brown	<LOD	no	no
1419	Roof, Mechanical Rm 5007	North	conduit pipe	metal	fair	beige	0.03 ± 0.15	no	yes
1420	Roof, Mechanical Rm 5007	North	electrical box	metal	intact	gray	0.07 ± 0.22	no	yes
1421	NULL								
1422	Roof, Mechanical Rm 5007	East	wall	concrete	fair	beige	<LOD	no	no
1423	Roof, Mechanical Rm 5007	East	conduit pipe	metal	intact	beige	0.16 ± 0.53	no	yes
1424	Roof, Mechanical Rm 5007	East	air duct	metal	intact	beige	<LOD	no	no
1425	Roof, Mechanical Rm 5007	East	electrical box	metal	intact	gray	<LOD	no	no
1426	Roof, Mechanical Rm 5007	South	wall	concrete	intact	beige	<LOD	no	no
1427	Roof, Mechanical Rm 5007	South	conduit pipe	metal	intact	beige	0.18 ± 0.62	no	yes
1428	Roof, Mechanical Rm 5007	South	door	metal	fair	brown	<LOD	no	no
1429	Roof, Mechanical Rm 5007	South	door frame	metal	intact	brown	<LOD	no	no
1430	Roof, Mechanical Rm 5007	South	air duct	metal	intact	beige	<LOD	no	no
1431	Roof, Mechanical Rm 5007	South	electrical box	metal	intact	gray	<LOD	no	no
1432	NULL								
1433	Roof, Mechanical Rm 5007	West	wall	concrete	intact	beige	<LOD	no	no
1434	**Roof, Mechanical Rm 5007**	**West**	**conduit pipe**	**metal**	**intact**	**beige**	**1.90 ± 0.90**	**yes**	**yes**
1435	Roof, Mechanical Rm 5007	West	conduit pipe	metal	intact	beige	0.40 ± 0.60	no	yes
1436	Roof, Mechanical Rm 5007	West	electrical box	metal	intact	gray	<LOD	no	no
1437	Roof, Mechanical Rm 5007		AHU frame	metal	intact	burnt red	<LOD	no	no
1438	Roof, Mechanical Rm 5007		pump	metal	intact	gray	0.01 ± 0.04	no	yes
1439	Roof, Mechanical Rm 5007		beam	concrete	intact	beige	<LOD	no	no
1440	**Roof, Mechanical Rm 5007**		**pump**	**metal**	**intact**	**teal**	**3.80 ± 2.70**	**yes**	**yes**
1441	Roof, Mechanical Rm 5007		pump frame	metal	intact	teal	<LOD	no	no
1442	Roof, Mechanical Rm 5007		pipe	metal	intact	beige	<LOD	no	no
1443	Roof, Elevator Machine Rm 1	North	wall	concrete	intact	beige	<LOD	no	no
1444	Roof, Elevator Machine Rm 1	North	conduit pipe	metal	intact	beige	0.01 ± 0.04	no	yes
1445	Roof, Elevator Machine Rm 1	North	electrical box	metal	fair	gray	<LOD	no	no
1446	Roof, Elevator Machine Rm 1	East	wall	concrete	intact	beige	<LOD	no	no
1447	Roof, Elevator Machine Rm 1	East	conduit pipe	metal	intact	green	0.02 ± 0.05	no	yes
1448	Roof, Elevator Machine Rm 1	South	wall	concrete	intact	beige	<LOD	no	no
1449	Roof, Elevator Machine Rm 1	West	wall	concrete	fair	beige	<LOD	no	no
1450	Roof, Elevator Machine Rm 1	West	door frame	metal	fair	brown	<LOD	no	no
1451	Roof, Elevator Machine Rm 1	West	door	metal	intact	brown	<LOD	no	no
1452	Roof, Elevator Machine Rm 1	West	conduit pipe	metal	intact	beige	0.02 ± 0.09	no	yes
1453	Roof, Elevator Machine Rm 1	West	electrical box	metal	intact	gray	0.03 ± 0.15	no	yes
1454	Roof, Elevator Machine Rm 1		beam	concrete	intact	beige	0.01 ± 0.05	no	yes
1455	Roof, Elevator Machine Rm 1		ceiling	concrete	intact	beige	0.03 ± 0.11	no	yes
1456	Roof, Elevator Machine Rm 1		floor	concrete	poor	brown	<LOD	no	no
1457	Roof, Elevator Machine Rm 1		elevator motor	metal	fair	green	0.01 ± 0.06	no	yes
1458	Roof, Elevator Machine Rm 1		elevator motor	metal	fair	blue	0.10 ± 0.10	no	yes
1459	Roof, Elevator Machine Rm 1		elevator motor frame	metal	fair	green	0.40 ± 0.30	no	yes
1460	Roof, Elevator Machine Rm 5	West	wall	concrete	intact	beige	<LOD	no	no
1461	Roof, Elevator Machine Rm 5	West	door frame	metal	intact	brown	<LOD	no	no
1462	Roof, Elevator Machine Rm 5	West	door	metal	fair	brown	<LOD	no	no
1463	Roof, Elevator Machine Rm 5		ceiling	concrete	intact	beige	<LOD	no	no
1464	Roof, Elevator Machine Rm 5		conduit pipe	metal	intact	beige	<LOD	no	no
1465	Roof, Elevator Machine Rm 5		floor	concrete	intact	brown	<LOD	no	no
1466	Roof, Elevator Machine Rm 5		elevator motor frame	metal	intact	green	0.06 ± 0.17	no	yes
1467	NULL								

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Judiciary Condition Assessment
Ka'ahumanu Hale

XRF#	Location	Side	Component	Substrate	Condition	Color	PbC (mg/cm^2)	Lead-Based Paint	Confirmed Lead-Containing Paint
1468	Roof, Elevator Machine Rm 5		electrical box	metal		gray	<LOD	no	no
1469	Roof, Elevator Machine Rm 2	North	wall	concrete	intact	beige	0.04 ± 0.06	no	yes
1470	Roof, Elevator Machine Rm 2	West	door	metal	intact	brown	<LOD	no	no
1471	Roof, Elevator Machine Rm 2	West	downspout	metal	intact	brown	<LOD	no	no
1472	NULL								
1473	Roof, Elevator Machine Rm 2		floor	concrete	intact	brown	<LOD	no	no
1474	Roof, Elevator Machine Rm 2		ceiling	concrete	intact	beige	0.04 ± 0.19	no	yes
1475	Roof, Elevator Machine Rm 2		elevator motor	metal	fair	gray	0.40 ± 0.20	no	yes
1476	Roof, Elevator Machine Rm 2		conduit pipe	metal	intact	beige	<LOD	no	no
1477	Roof, Elevator Machine Rm 2	West	electrical box	metal	intact	gray	0.02 ± 0.06	no	yes
1478	Roof, Elevator Machine Rm 3	East	wall	concrete	intact	beige	<LOD	no	no
1479	Roof, Elevator Machine Rm 3	East	door frame	plaster	intact	brown	<LOD	no	no
1480	Roof, Elevator Machine Rm 3	East	door	metal	intact	brown	<LOD	no	no
1481	Roof, Elevator Machine Rm 3		ceiling	concrete	intact	beige	<LOD	no	no
1482	Roof, Elevator Machine Rm 3		conduit pipe	metal	intact	beige	<LOD	no	no
1483	Roof, Elevator Machine Rm 3	East	electrical box	metal	intact	gray	0.01 ± 0.04	no	yes
1484	Roof, Elevator Machine Rm 3		floor	concrete	intact	brown	0.01 ± 0.04	no	yes
1485	Roof, Elevator Machine Rm 3		elevator motor	metal	intact	green	<LOD	no	no
1486	Roof, Elevator Machine Rm 6	West	wall	concrete	intact	beige	0.01 ± 0.07	no	yes
1487	Roof, Elevator Machine Rm 6	East	conduit pipe	metal	intact	beige	0.02 ± 0.11	no	yes
1488	Roof, Elevator Machine Rm 6	West	door	metal	fair	brown	0.01 ± 0.04	no	yes
1489	Roof, Elevator Machine Rm 6	West	door frame	metal	intact	brown	0.01 ± 0.05	no	yes
1490	Roof, Elevator Machine Rm 6	West	electrical box	metal	intact	gray	0.02 ± 0.06	no	yes
1491	Roof, Elevator Machine Rm 6		ceiling	concrete	intact	beige	0.01 ± 0.05	no	yes
1492	Roof, Elevator Machine Rm 6		floor	concrete	intact	brown	0.05 ± 0.22	no	yes
1493	Roof, Elevator Machine Rm 6		elevator motor	metal	fair	green	<LOD	no	no
1494	Roof, Elevator Machine Rm 4	West	wall	concrete	fair	beige	0.01 ± 0.07	no	yes
1495	Roof, Elevator Machine Rm 4	East	door	metal	intact	brown	<LOD	no	no
1496	Roof, Elevator Machine Rm 4	East	door frame	metal	fair	brown	<LOD	no	no
1497	Roof, Elevator Machine Rm 4		ceiling	concrete	intact	beige	0.02 ± 0.08	no	yes
1498	Roof, Elevator Machine Rm 4		floor	concrete	fair	brown	0.50 ± 0.50	no	yes
1499	Roof, Elevator Machine Rm 4	East	conduit pipe	metal	intact	beige	<LOD	no	no
1500	4th Fl, Courtroom 11	North	door	wood	intact	stained	<LOD	no	no
1501	4th Fl, Courtroom 11	North	door frame	wood	intact	stained	<LOD	no	no
1502	4th Fl, Courtroom 11	North	wall	gypboard	intact	peach	<LOD	no	no
1503	4th Fl, Courtroom 11	East	wall	wood	intact	stained	<LOD	no	no
1504	4th Fl, Courtroom 11	East	door	wood	intact	stained	<LOD	no	no
1505	4th Fl, Courtroom 11	East	door frame	wood	intact	stained	<LOD	no	no
1506	4th Fl, Courtroom 11	East	crown moulding	wood	intact	stained	<LOD	no	no
1507	4th Fl, Courtroom 11	East	wall base	wood	intact	stained	<LOD	no	no
1508	4th Fl, Courtroom 11	East	bench	wood	intact	stained	<LOD	no	no
1509	4th Fl, Courtroom 11	East	desk top	wood	intact	stained	<LOD	no	no
1510	4th Fl, Courtroom 11	South	wall	wood	intact	stained	<LOD	no	no
1511	4th Fl, Courtroom 11	South	door frame	wood	intact	stained	<LOD	no	no
1512	4th Fl, Courtroom 11	South	door	wood	intact	stained	<LOD	no	no
1513	4th Fl, Courtroom 11	South	crown moulding	wood	intact	stained	<LOD	no	no
1514	4th Fl, Courtroom 11	South	wall base	wood	intact	stained	<LOD	no	no
1515	4th Fl, Courtroom 11	West	railing	wood	intact	stained	<LOD	no	no
1516	4th Fl, Courtroom 11	West	book shelf	wood	intact	stained	<LOD	no	no
1517	4th Fl, Courtroom 11	West	door	wood	intact	stained	<LOD	no	no
1518	4th Fl, Courtroom 11	West	door frame	wood	intact	brown	<LOD	no	no
1519	4th Fl, Courtroom 11	West	wall base	wood	intact	stained	<LOD	no	no
1520	4th Fl, Courtroom 11, Jury Room	South	door	wood	intact	brown	<LOD	no	no
1521	4th Fl, Courtroom 11, Jury Room	East	door frame	wood	intact	brown	<LOD	no	no
1522	4th Fl, Courtroom 11, Jury Room	North	door	wood	intact	brown	<LOD	no	no
1523	4th Fl, Courtroom 11, Jury Room	North	door frame	wood	intact	brown	<LOD	no	no
1524	4th Fl, Courtroom 11, Hallway	East	door	wood	intact	brown	<LOD	no	no
1525	4th Fl, Courtroom 11, Hallway	East	door frame	wood	intact	brown	<LOD	no	no
1526	4th Fl, Courtroom 11, Hallway		cabinet	gypboard	intact	peach	<LOD	no	no
1527	4th Fl, Courtroom 11, Women's	South	wall	gypboard	intact	peach	<LOD	no	no
1528	4th Fl, Courtroom 11, Women's .	West	wall	gypboard	intact	peach	<LOD	no	no
1529	4th Fl, Courtroom 11, Women's		ceiling	gypboard	intact	peach	<LOD	no	no

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Judiciary Condition Assessment
Ka'ahumanu Hale

XRF#	Location	Side	Component	Substrate	Condition	Color	PbC (mg/cm²)	Lead-Based Paint	Confirmed Lead-Containing Paint
1530	4th Fl, Courtroom 11, Women's	East	door	wood	intact	brown	<LOD	no	no
1531	4th Fl, Courtroom 11, Men's	North	wall	gypboard	intact	peach	<LOD	no	no
1532	4th Fl, Courtroom 11, Men's	East	wall	gypboard	intact	peach	<LOD	no	no
1533	4th Fl, Courtroom 11, Men's	East	door frame	gypboard	intact	peach	<LOD	no	no
1534	4th Fl, Courtroom 11, Men's		ceiling	gypboard	intact	peach	<LOD	no	no
1535	4th Fl, Courtroom 13	North	wall base	wood	intact	stained	<LOD	no	no
1536	4th Fl, Courtroom 13	North	door	wood	intact	stained	<LOD	no	no
1537	4th Fl, Courtroom 13	North	door frame	wood	intact	stained	<LOD	no	no
1538	4th Fl, Courtroom 13	North	wall	wood	intact	stained	<LOD	no	no
1539	4th Fl, Courtroom 13	North	railing	wood	intact	stained	<LOD	no	no
1540	4th Fl, Courtroom 13	North	book shelf	wood	intact	stained	<LOD	no	no
1541	4th Fl, Courtroom 13	North	wall base	wood	intact	stained	<LOD	no	no
1542	4th Fl, Courtroom 13	East	wall	wood	intact	stained	<LOD	no	no
1543	4th Fl, Courtroom 13	East	door	wood	intact	stained	<LOD	no	no
1544	4th Fl, Courtroom 13	East	door frame	wood	intact	stained	<LOD	no	no
1545	NULL								
1546	4th Fl, Courtroom 13	East	crown moulding	wood	intact	stained	<LOD	no	no
1547	4th Fl, Courtroom 13	East	wall base	wood	fair	stained	<LOD	no	no
1548	4th Fl, Courtroom 13	South	wall	plastic	intact	stained	<LOD	no	no
1549	4th Fl, Courtroom 13	South	door	wood	intact	stained	<LOD	no	no
1550	4th Fl, Courtroom 13	South	door frame	wood	intact	stained	<LOD	no	no
1551	4th Fl, Courtroom 13	South	wall base	wood	intact	stained	<LOD	no	no
1552	4th Fl, Courtroom 13	South	crown moulding	wood	intact	stained	<LOD	no	no
1553	4th Fl, Courtroom 13	South	desk top	wood	intact	stained	<LOD	no	no
1554	4th Fl, Courtroom 13	West	wall base	wood	intact	stained	<LOD	no	no
1555	4th Fl, Courtroom 13	West	bench	wood	intact	stained	<LOD	no	no
1556	4th Fl, Courtroom 13	East	wall	concrete	intact	tan	0.01 ± 0.03	no	yes
1557	4th Fl, Courtroom 13	West	wall	gypboard	intact	tan	<LOD	no	no
1558	4th Fl, Jury Room 13	South	door frame	wood	intact	blue	<LOD	no	no
1559	4th Fl, Jury Room 13	South	door	wood	intact	brown	<LOD	no	no
1560	4th Fl, Jury Room 1, Women's	West	wall	gypboard	intact	beige	<LOD	no	no
1561	4th Fl, Jury Room 1, Women's	South	wall	gypboard	intact	beige	<LOD	no	no
1562	4th Fl, Jury Room 1, Women's	West	door frame	wood	intact	brown	<LOD	no	no
1563	4th Fl, Jury Room 1, Women's		ceiling	gypboard	intact	beige	<LOD	no	no
1564	4th Fl, Jury Room 1, Men's	North	wall	gypboard	intact	beige	<LOD	no	no
1565	4th Fl, Jury Room 1, Men's	East	wall	gypboard	intact	beige	<LOD	no	no
1566	4th Fl, Jury Room 1, Men's		ceiling	gypboard	intact	beige	<LOD	no	no
1567	4th Fl, Jury Room 1, Men's	West	door	wood	intact	brown	<LOD	no	no
1568	4th Fl, Judge's Chambers 2, Clerk Office	North	wall	gypboard	intact	beige	<LOD	no	no
1569	NULL								
1570	4th Fl, Judge's Chambers 2, Clerk Office	East	window sill	concrete	intact	beige	<LOD	no	no
1571	4th Fl, Judge's Chambers 2, Clerk Office	East	wall	gypboard	intact	beige	<LOD	no	no
1572	4th Fl, Judge's Chambers 2, Clerk Office	South	wall/soffit	gypboard	fair	beige	<LOD	no	no
1573	4th Fl, Judge's Chambers 2, Clerk Office	South	column	concrete	fair	beige	<LOD	no	no
1574	4th Fl, Judge's Chambers 2, Clerk Office	South	door frame	plastic	intact	stained	<LOD	no	no
1575	4th Fl, Judge's Chambers 2, Clerk Office	South	door	wood	intact	stained	<LOD	no	no
1576	4th Fl, Judge's Chambers 2, Clerk Office	West	wall	gypboard	intact	beige	<LOD	no	no
1577	4th Fl, Judge's Chambers 2, Clerk Office	West	door	plastic	intact	brown	0.01 ± 0.06	no	yes
1578	4th Fl, Judge's Chambers 2, Clerk Office	West	door frame	wood	intact	brown	<LOD	no	no
1579	NULL								
1580	4th Fl, Judge's Chambers 2	East	window sill	gypboard	intact	dark brown	<LOD	no	no
1581	4th Fl, Judge's Chambers 2	South	cabinet	wood	intact	stained	<LOD	no	no
1582	4th Fl, Judge's Chambers 2, Restroom		ceiling	gypboard	intact	beige	0.01 ± 0.03	no	yes
1583	4th Fl, Judge's Chambers 2, Restroom	East	door frame	wood	intact	brown	<LOD	no	no
1584	4th Fl, Judge's Chambers 2, Restroom	East	door	wood	intact	stained	0.01 ± 0.06	no	yes
1585	4th Fl, Judge's Chambers 3, Clerk Office	North	window sill	concrete	intact	beige	<LOD	no	no
1586	4th Fl, Judge's Chambers 3, Clerk Office	North	wall	gypboard	intact	beige	<LOD	no	no
1587	4th Fl, Judge's Chambers 3, Clerk Office	North	column	concrete	intact	beige	<LOD	no	no
1588	4th Fl, Judge's Chambers 3, Clerk Office	East	window sill	concrete	intact	beige	<LOD	no	no
1589	4th Fl, Judge's Chambers 3, Clerk Office	East	wall	gypboard	intact	beige	<LOD	no	no
1590	4th Fl, Judge's Chambers 3, Clerk Office	South	wall	gypboard	intact	beige	<LOD	no	no
1591	4th Fl, Judge's Chambers 3, Clerk Office	West	wall	gypboard	intact	beige	0.60 ± 0.30	no	yes

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Ka'ahumanu Hale

XRF#	Location	Side	Component	Substrate	Condition	Color	PbC (mg/cm²)	Lead-Based Paint	Confirmed Lead-Containing Paint
1592	4th Fl, Judge's Chambers 3, Clerk Office	West	door frame	wood	intact	stained	<LOD	no	no
1593	4th Fl, Judge's Chambers 3, Clerk Office	West	door	wood	intact	stained	<LOD	no	no
1594	4th Fl, Judge's Chambers 3, Clerk Office	West	door	wood	intact	brown	<LOD	no	no
1595	4th Fl, Judge's Chambers 3, Clerk Office	West	door frame	wood	intact	brown	<LOD	no	no
1596	4th Fl, Judge's Chambers 3	East	door	wood	intact	stained	<LOD	no	no
1597	4th Fl, Judge's Chambers 3	East	door frame	wood	intact	stained	<LOD	no	no
1598	NULL								
1599	4th Fl, Judge's Chambers 3	North	window sill	concrete	fair	dark brown	<LOD	no	no
1600	4th Fl, Judge's Chambers 3	North	wall	gypboard	intact	dark brown	<LOD	no	no
1601	4th Fl, Judge's Chambers 3, Restroom	East	door	wood	intact	stained	0.01 ± 0.03	no	yes
1602	4th Fl, Judge's Chambers 3, Restroom	East	door frame	wood	intact	stained	<LOD	no	no
1603	4th Fl, Judge's Chambers 3, Restroom	East	window sill	concrete	intact	dark brown	0.60 ± 0.40	no	yes
1604	4th Fl, Judge's Chambers 3, Restroom	North	window sill	concrete	intact	dark brown	<LOD	no	no
1605	4th Fl, Judge's Chambers 3, Restroom	NULL					<LOD	no	no
1606	4th Fl, Judge's Chambers 3, Restroom		ceiling	gypboard	intact	beige	<LOD	no	no
1607	4th Fl, Judge's Chambers 1, Clerk Office	North	wall	gypboard	intact	beige	<LOD	no	no
1608	4th Fl, Judge's Chambers 1, Clerk Office	East	window sill	concrete	fair	beige	<LOD	no	no
1609	4th Fl, Judge's Chambers 1, Clerk Office	East	wall	gypboard	intact	beige	<LOD	no	no
1610	4th Fl, Judge's Chambers 1, Clerk Office	South	column	concrete	intact	beige	<LOD	no	no
1611	4th Fl, Judge's Chambers 1, Clerk Office	South	wall	gypboard	intact	beige	<LOD	no	no
1612	4th Fl, Judge's Chambers 1, Clerk Office	South	window sill	concrete	intact	beige	<LOD	no	no
1613	4th Fl, Judge's Chambers 1, Clerk Office	West	wall	gypboard	intact	beige	<LOD	no	no
1614	4th Fl, Judge's Chambers 1, Clerk Office	West	door	wood	intact	stained	<LOD	no	no
1615	4th Fl, Judge's Chambers 1, Clerk Office	West	door frame	wood	intact	stained	<LOD	no	no
1616	4th Fl, Judge's Chambers 1, Clerk Office	West	door	wood	intact	dark brown	<LOD	no	no
1617	4th Fl, Judge's Chambers 1, Clerk Office	West	door frame	wood	intact	dark brown	<LOD	no	no
1618	4th Fl, Judge's Chambers 1	East	door frame	wood	intact	stained	<LOD	no	no
1619	4th Fl, Judge's Chambers 1	East	door	plastic	intact	stained	<LOD	no	no
1620	4th Fl, Judge's Chambers 1	South	window sill	concrete	intact	dark brown	0.02 ± 0.09	no	yes
1621	4th Fl, Judge's Chambers 1	South	wall	gypboard	intact	dark blue	<LOD	no	no
1622	4th Fl, Judge's Chambers 1	South	desk top	wood	intact	stained	<LOD	no	no
1623	4th Fl, Judge's Chambers 1, Restroom	South	window sill	concrete	intact	dark brown	<LOD	no	no
1624	4th Fl, Judge's Chambers 1, Restroom	South	wall	gypboard	intact	dark brown	<LOD	no	no
1625	4th Fl, Judge's Chambers 1, Restroom	East	door	wood	intact	dark brown	0.01 ± 0.04	no	yes
1626	NULL								
1627	4th Fl, Judge's Chambers 1, Restroom	East	door frame	wood	intact	stained	<LOD	no	no
1628	4th Fl, Judge's Chambers 1, Restroom		ceiling	gypboard	intact	beige	<LOD	no	no
1629	4th Fl, Judge's Chambers 1, Lanai		ceiling	plaster	intact	off white	<LOD	no	no
1630	4th Fl, Witness Rm 13	South	door	wood	intact	dark brown	<LOD	no	no
1631	4th Fl, Office Across Witness Rm 13	North	door frame	wood	intact	dark brown	<LOD	no	no
1632	4th Fl, Witness Rm 11	North	door	wood		dark brown	0.01 ± 0.07	no	yes
1633	4th Fl, Witness Rm 12	South	door frame	wood	intact	dark brown	<LOD	no	no
1634	4th Fl, Courtroom 12	North	wall	wood	intact	stained	<LOD	no	no
1635	4th Fl, Courtroom 12	North	door	wood	intact	stained	<LOD	no	no
1636	4th Fl, Courtroom 12	North	downspout	wood	intact	stained	<LOD	no	no
1637	4th Fl, Courtroom 12	North	wall base	wood	intact	stained	<LOD	no	no
1638	4th Fl, Courtroom 12	North	crown moulding	wood	intact	stained	<LOD	no	no
1639	4th Fl, Courtroom 12	North	desk top	wood	intact	stained	<LOD	no	no
1640	4th Fl, Courtroom 12	East	wall	wood	intact	stained	<LOD	no	no
1641	4th Fl, Courtroom 12	East	door	wood	intact	stained	<LOD	no	no
1642	4th Fl, Courtroom 12	East	door frame	wood	intact	stained	<LOD	no	no
1643	4th Fl, Courtroom 12	East	wall base	wood	intact	stained	<LOD	no	no
1644	4th Fl, Courtroom 12	East	crown moulding	wood	intact	stained	<LOD	no	no
1645	4th Fl, Courtroom 12	South	door	wood	intact	stained	<LOD	no	no
1646	4th Fl, Courtroom 12	South	door frame	wood	intact	stained	<LOD	no	no
1647	4th Fl, Courtroom 12	South	wall	gypboard	intact	beige	<LOD	no	no
1648	4th Fl, Courtroom 12	South	bench	wood	intact	stained	0.01 ± 0.04	no	yes
1649	4th Fl, Courtroom 12	South	wall base	wood	intact	stained	<LOD	no	no
1650	4th Fl, Courtroom 12	West	book case	wood	intact	stained	<LOD	no	no
1651	4th Fl, Courtroom 12	West	railing	wood	intact	stained	<LOD	no	no
1652	4th Fl, Courtroom 12	West	door	wood	intact	stained	<LOD	no	no
1653	4th Fl, Courtroom 12	West	door frame	wood	intact	stained	<LOD	no	no

Determination of paint as lead-based paint by the U. S. Department of Housing and Urban Development (HUD) is based on the values in the "**PbC**" column reported in mg/cm^2 (milligrams per square centimeter). HUD regulations; 24 CFR Parts 35, 200, 881, and 886; and Guidelines for the Evaluation and Control of Lead-based Paint (LBP) Hazards in Housing, dated June 1995, define LBP as paint with a lead content of 1.0 mg/cm^2 or greater. <LOD = less than instrument level of detection.

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Judiciary Condition Assessment
Ka'ahumanu Hale

XRF#	Location	Side	Component	Substrate	Condition	Color	PbC (mg/cm²)	Lead-Based Paint	Confirmed Lead-Containing Paint
1654	4th Fl, Courtroom 12	West	wall base	wood	intact	stained	<LOD	no	no
1655	4th Fl, Courtroom 12, Jury Room	North	door	wood	intact	dark brown	<LOD	no	no
1656	4th Fl, Courtroom 12, Jury Room	West	door frame	wood	intact	dark brown	<LOD	no	no
1657	4th Fl, Courtroom 12, Men's	East	wall	gypboard	intact	beige	<LOD	no	no
1658	4th Fl, Courtroom 12, Men's	North	wall	gypboard	intact	beige	<LOD	no	no
1659	4th Fl, Courtroom 12, Men's	East	door	wood	intact	dark brown	<LOD	no	no
1660	4th Fl, Courtroom 12, Men's		ceiling	gypboard	intact	beige	<LOD	no	no
1661	4th Fl, Courtroom 12, Women's	South	wall	gypboard	intact	beige	<LOD	no	no
1662	4th Fl, Courtroom 12, Women's	West	wall	gypboard	intact	beige	<LOD	no	no
1663	4th Fl, Courtroom 12, Women's	East	door frame	wood	intact	dark brown	<LOD	no	no
1664	4th Fl, Courtroom 12, Women's		ceiling	gypboard	intact	beige	<LOD	no	no
1665	4th Fl, Witness Room 9	North	door	wood	intact	dark brown	<LOD	no	no
1666	4th Fl, Witness Room 10	South	door frame	wood	intact	dark brown	<LOD	no	no
1667	NULL								
1668	4th Fl, Courtroom 10	North	wall	wood	intact	stained	<LOD	no	no
1669	4th Fl, Courtroom 10	North	door	wood	intact	stained	<LOD	no	no
1670	4th Fl, Courtroom 10	North	door frame	wood	intact	stained	<LOD	no	no
1671	4th Fl, Courtroom 10	North	wall base	wood	intact	stained	<LOD	no	no
1672	4th Fl, Courtroom 10	North	crown moulding	wood	intact	stained	<LOD	no	no
1673	4th Fl, Courtroom 10	East	book shelf	wood	intact	stained	0.01 ± 0.06	no	yes
1674	4th Fl, Courtroom 10	East	railing	wood	intact	stained	<LOD	no	no
1675	4th Fl, Courtroom 10	East	wall base	wood	intact	stained	0.01 ± 0.05	no	yes
1676	4th Fl, Courtroom 10	East	door frame	wood	intact	stained	<LOD	no	no
1677	4th Fl, Courtroom 10	East	door	plastic	intact	stained	0.01 ± 0.04	no	yes
1678	4th Fl, Courtroom 10	South	bench	wood	intact	stained	<LOD	no	no
1679	4th Fl, Courtroom 10	South	door	wood	intact	stained	<LOD	no	no
1680	4th Fl, Courtroom 10	South	door frame	wood	intact	stained	<LOD	no	no
1681	4th Fl, Courtroom 10	South	wall	gypboard	intact	beige	<LOD	no	no
1682	4th Fl, Courtroom 10	South	wall base	wood	intact	stained	<LOD	no	no
1683	4th Fl, Courtroom 10	West	wall	wood	intact	stained	0.01 ± 0.04	no	yes
1684	4th Fl, Courtroom 10	West	door	wood	intact	stained	<LOD	no	no
1685	4th Fl, Courtroom 10	West	door frame	wood	intact	stained	<LOD	no	no
1686	4th Fl, Courtroom 10	West	wall base	wood	intact	stained	<LOD	no	no
1687	4th Fl, Courtroom 10	West	crown moulding	plastic	intact	stained	<LOD	no	no
1688	4th Fl, Courtroom 10	West	desk top	wood	intact	stained	<LOD	no	no
1689	4th Fl, Courtroom 10, Jury Room	South	door	wood	intact	stained	<LOD	no	no
1690	4th Fl, Courtroom 10, Jury Room	South	door frame	wood	intact	dark brown	<LOD	no	no
1691	4th Fl, Courtroom 10, Women's	South	wall	gypboard	intact	beige	<LOD	no	no
1692	4th Fl, Courtroom 10, Women's	West	wall	gypboard	intact	beige	<LOD	no	no
1693	4th Fl, Courtroom 10, Women's	West	door frame	wood	intact	dark brown	<LOD	no	no
1694	4th Fl, Courtroom 10, Women's		ceiling	gypboard	intact	beige	0.19 ± 0.11	no	yes
1695	4th Fl, Courtroom 10, Men's	North	wall	gypboard	intact	beige	<LOD	no	no
1696	4th Fl, Courtroom 10, Men's	East	wall	gypboard	intact	beige	<LOD	no	no
1697	4th Fl, Courtroom 10, Men's	West	door	plastic	intact	dark brown	<LOD	no	no
1698	4th Fl, Courtroom 10, Men's		ceiling	gypboard	intact	beige	<LOD	no	no
1699	4th Fl, Courtroom 9	North	door	wood	intact	stained	<LOD	no	no
1700	4th Fl, Courtroom 9	North	door frame	wood	intact	stained	<LOD	no	no
1701	4th Fl, Courtroom 9	North	wall base	wood	intact	stained	<LOD	no	no
1702	4th Fl, Courtroom 9	North	wall	gypboard	intact	beige	<LOD	no	no
1703	4th Fl, Courtroom 9	North	bench	wood	intact	stained	0.01 ± 0.03	no	yes
1704	4th Fl, Courtroom 9	East	wall base	wood	intact	stained	<LOD	no	no
1705	NULL								
1706	4th Fl, Courtroom 9	East	door frame	wood	intact	stained	<LOD	no	no
1707	4th Fl, Courtroom 9	East	door	wood	intact	stained	<LOD	no	no
1708	4th Fl, Courtroom 9	East	wall base	wood	intact	stained	<LOD	no	no
1709	4th Fl, Courtroom 9	East	book shelf	wood	fair	stained	<LOD	no	no
1710	4th Fl, Courtroom 9	South	wall	wood	intact	stained	<LOD	no	no
1711	4th Fl, Courtroom 9	South	door	wood	intact	stained	<LOD	no	no
1712	4th Fl, Courtroom 9	South	door frame	wood	intact	stained	<LOD	no	no
1713	4th Fl, Courtroom 9	South	wall base	wood	fair	stained	<LOD	no	no
1714	4th Fl, Courtroom 9	South	crown moulding	wood	intact	stained	<LOD	no	no
1715	4th Fl, Courtroom 9	South	desk top	wood	intact	stained	<LOD	no	no

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EMET ID: 1511498

Test Date: September 8, 2017

Judiciary Condition Assessment
Ka'ahumanu Hale

XRF#	Location	Side	Component	Substrate	Condition	Color	PbC (mg/cm^2)	Lead-Based Paint	Confirmed Lead-Containing Paint
1716	4th Fl, Courtroom 9	West	wall	wood	intact	stained	<LOD	no	no
1717	4th Fl, Courtroom 9	West	door	wood	intact	stained	<LOD	no	no
1718	4th Fl, Courtroom 9	West	door frame	wood	intact	stained	<LOD	no	no
1719	4th Fl, Courtroom 9	West	wall base	wood	fair	stained	<LOD	no	no
1720	4th Fl, Courtroom 9	West	crown moulding	wood	intact	stained	<LOD	no	no
1721	4th Fl, Courtroom 9, Jury Room	South	door	wood	intact	dark brown	<LOD	no	no
1722	4th Fl, Courtroom 9, Jury Room	South	door frame	wood	intact	dark brown	<LOD	no	no
1723	4th Fl, Courtroom 9, Men's	North	wall	gypboard	intact	beige	<LOD	no	no
1724	4th Fl, Courtroom 9, Men's	East	wall	gypboard	intact	beige	<LOD	no	no
1725	4th Fl, Courtroom 9, Men's	East	door frame	wood	intact	dark brown	<LOD	no	no
1726	4th Fl, Courtroom 9, Men's		ceiling	gypboard	intact	beige	<LOD	no	no
1727	4th Fl, Courtroom 9, Women's	South	wall	gypboard	intact	beige	<LOD	no	no
1728	4th Fl, Courtroom 9, Women's	East	wall	gypboard	intact	beige	<LOD	no	no
1729	4th Fl, Courtroom 9, Women's	West	door	wood	intact	dark brown	<LOD	no	no
1730	4th Fl, Courtroom 9, Women's		ceiling	gypboard	intact	beige	<LOD	no	no
1731	4th Fl, Arbitration (CAAP)	South	door	wood	intact	dark brown	<LOD	no	no
1732	4th Fl, Arbitration (CAAP) Copy Room	South	door frame	wood	intact	dark brown	<LOD	no	no
1733	4th Fl, Lactation Room	North	door	wood	intact	dark brown	<LOD	no	no
1734	4th Fl, Office next to Lactation Room	North	door	wood	intact	dark brown	<LOD	no	no
1735	Calibration						1.10 ± 0.10		
1736	Calibration						1.00 ± 0.10		
1737	Calibration						1.00 ± 0.10		

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Laboratory Report

Painted Surfaces Total Elemental Lead Analyses
by X-Ray Fluorescence

EMET ID: 1511498

Test Date: September 11, 2017

Judiciary Condition Assessment
Ka'ahumanu Hale

XRF#	Location	Side	Component	Substrate	Condition	Color	PbC (mg/cm^2)	Lead-Based Paint	Confirmed Lead-Containing Paint
1739	Calibration						1.00 ± 0.10		
1740	Calibration						0.90 ± 0.10		
1741	Calibration						1.00 ± 0.10		
1742	4th Fl, Courtroom 15	North	door	wood	intact	stained	<LOD	no	no
1743	4th Fl, Courtroom 15	North	door frame	wood	intact	stained	<LOD	no	no
1744	4th Fl, Courtroom 15	North	wall	gypboard	intact	stained	<LOD	no	no
1745	4th Fl, Courtroom 15	North	wall base	wood	intact	beige	<LOD	no	no
1746	4th Fl, Courtroom 15	North	bench	wood	intact	stained	0.01 ± 0.06	no	yes
1747	4th Fl, Courtroom 15	North	wall	wood	intact	stained	<LOD	no	no
1748	4th Fl, Courtroom 15	East	door	wood	intact	stained	<LOD	no	no
1749	4th Fl, Courtroom 15	East	door frame	wood	intact	stained	<LOD	no	no
1750	4th Fl, Courtroom 15	East	wall base	wood	intact	stained	0.02 ± 0.09	no	yes
1751	4th Fl, Courtroom 15	East	crown moulding	wood	intact	stained	<LOD	no	no
1752	4th Fl, Courtroom 15	East	desk top	wood	intact	stained	<LOD	no	no
1753	4th Fl, Courtroom 15	East	wall	wood	intact	stained	<LOD	no	no
1754	4th Fl, Courtroom 15	South	door	wood	intact	stained	<LOD	no	no
1755	4th Fl, Courtroom 15	South	door frame	wood	intact	stained	<LOD	no	no
1756	4th Fl, Courtroom 15	South	wall base	wood	intact	stained	<LOD	no	no
1757	4th Fl, Courtroom 15	South	crown moulding	wood	intact	stained	<LOD	no	no
1758	4th Fl, Courtroom 15	West	railing	wood	intact	stained	<LOD	no	no
1759	4th Fl, Courtroom 15	West	door	wood	intact	stained	<LOD	no	no
1760	4th Fl, Courtroom 15	West	door frame	wood	intact	stained	0.01 ± 0.06	no	yes
1761	4th Fl, Courtroom 15	West	wall base	wood	intact	stained	<LOD	no	no
1762	4th Fl, Courtroom 15, Jury Room	South	door	wood	intact	dark brown	<LOD	no	no
1763	4th Fl, Courtroom 15, Jury Room	South	door frame	wood	intact	dark brown	<LOD	no	no
1764	4th Fl, Courtroom 15, Women's	East	door	wood	intact	dark brown	<LOD	no	no
1765	4th Fl, Courtroom 15, Women's	West	wall	gypboard	intact	beige	<LOD	no	no
1766	4th Fl, Courtroom 15, Women's	South	wall	gypboard	intact	beige	<LOD	no	no
1767	4th Fl, Courtroom 15, Women's		ceiling	gypboard	intact	beige	<LOD	no	no
1768	4th Fl, Courtroom 15, Men's	South	door frame	wood	intact	stained	<LOD	no	no
1769	4th Fl, Courtroom 15, Men's	East	wall	gypboard	intact	beige	0.01 ± 0.03	no	yes
1770	4th Fl, Courtroom 15, Men's	North	wall	gypboard	intact	beige	<LOD	no	no
1771	4th Fl, Courtroom 15, Men's		ceiling	gypboard	intact	beige	0.01 ± 0.03	no	yes
1772	4th Fl, Courtroom 14	North	wall	wood	intact	stained	<LOD	no	no
1773	4th Fl, Courtroom 14	North	door	wood	intact	stained	<LOD	no	no
1774	4th Fl, Courtroom 14	North	door frame	wood	intact	stained	<LOD	no	no
1775	4th Fl, Courtroom 14	North	wall base	wood	intact	stained	<LOD	no	no
1776	4th Fl, Courtroom 14	North	crown moulding	wood	intact	stained	<LOD	no	no
1777	4th Fl, Courtroom 14	North	desk top	wood	intact	stained	<LOD	no	no
1778	4th Fl, Courtroom 14	East	wall	wood	intact	stained	<LOD	no	no
1779	4th Fl, Courtroom 14	East	door	wood	intact	stained	<LOD	no	no
1780	4th Fl, Courtroom 14	East	door frame	wood	intact	stained	<LOD	no	no
1781	4th Fl, Courtroom 14	East	crown moulding	wood	intact	stained	<LOD	no	no
1782	4th Fl, Courtroom 14	East	crown moulding	wood	intact	stained	<LOD	no	no
1783	4th Fl, Courtroom 14	South	door	wood	intact	stained	<LOD	no	no
1784	4th Fl, Courtroom 14	South	door frame	wood	intact	stained	<LOD	no	no
1785	4th Fl, Courtroom 14	South	wall	gypboard	intact	beige	<LOD	no	no
1786	4th Fl, Courtroom 14	South	bench	wood	intact	stained	<LOD	no	no
1787	4th Fl, Courtroom 14	West	door	wood	intact	stained	<LOD	no	no
1788	NULL								
1789	4th Fl, Courtroom 14	West	door frame	wood	intact	stained	<LOD	no	no
1790	4th Fl, Courtroom 14	West	wall base	wood	fair	stained	<LOD	no	no
1791	4th Fl, Courtroom 14	West	railing	wood	intact	stained	<LOD	no	no
1792	4th Fl, Courtroom 14	West	book shelf	wood	intact	stained	<LOD	no	no
1793	4th Fl, Courtroom 14, Jury Room	North	door	wood	intact	dark brown	<LOD	no	no
1794	4th Fl, Courtroom 14, Jury Room	North	door frame	wood	intact	dark brown	<LOD	no	no
1795	4th Fl, Courtroom 14, Corridor		ceiling	gypboard	intact	beige	0.23 ± 0.12	no	yes

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Judiciary Condition Assessment
Ka'ahumanu Hale

XRF#	Location	Side	Component	Substrate	Condition	Color	PbC (mg/cm²)	Lead-Based Paint	Confirmed Lead-Containing Paint
1796	4th Fl, Courtroom 14, Men's	East	door frame	wood	intact	dark brown	<LOD	no	no
1797	4th Fl, Courtroom 14, Men's	North	wall	gypboard	intact	beige	<LOD	no	no
1798	4th Fl, Courtroom 14, Men's	East	wall	gypboard	intact	beige	<LOD	no	no
1799	4th Fl, Courtroom 14, Men's		ceiling	gypboard	intact	beige	0.01 ± 0.07	no	yes
1800	4th Fl, Courtroom 14, Women's	East	door	wood	intact	dark brown	<LOD	no	no
1801	4th Fl, Courtroom 14, Women's	South	wall	gypboard	intact	beige	<LOD	no	no
1802	4th Fl, Courtroom 14, Women's	West	wall	gypboard	intact	beige	<LOD	no	no
1803	4th Fl, Courtroom 14, Women's		ceiling	gypboard	fair	beige	<LOD	no	no
1804	4th Fl, Witness Room 14	South	door	wood	intact	dark brown	<LOD	no	no
1805	4th Fl, Witness Room 15	North	door frame	wood	intact	dark brown	<LOD	no	no
1806	4th Fl, Witness Room 16	South	door	wood	intact	dark brown	<LOD	no	no
1807	4th Fl, Witness Room 17	North	door frame	wood	intact	dark brown	<LOD	no	no
1808	4th Fl, Witness Room 18	South	door	wood	intact	dark brown	<LOD	no	no
1809	4th Fl, KHNL	North	door frame	wood	fair	dark brown	<LOD	no	no
1810	4th Fl, Courtroom 16	North	door	wood	intact	stained	0.01 ± 0.05	no	yes
1811	4th Fl, Courtroom 16	North	door frame	wood	intact	stained	<LOD	no	no
1812	4th Fl, Courtroom 16	North	wall	gypboard	intact	beige	<LOD	no	no
1813	4th Fl, Courtroom 16	North	wall base	wood	intact	stained	<LOD	no	no
1814	4th Fl, Courtroom 16	North	bench	wood	intact	stained	0.01 ± 0.02	no	yes
1815	4th Fl, Courtroom 16	East	wall	wood	intact	stained	<LOD	no	no
1816	4th Fl, Courtroom 16	East	door	wood	intact	stained	<LOD	no	no
1817	4th Fl, Courtroom 16	East	door frame	wood	intact	stained	<LOD	no	no
1818	4th Fl, Courtroom 16	East	wall base	wood	intact	stained	<LOD	no	no
1819	4th Fl, Courtroom 16	East	crown moulding	wood	intact	stained	<LOD	no	no
1820	4th Fl, Courtroom 16	East	desk top	wood	intact	stained	<LOD	no	no
1821	4th Fl, Courtroom 16	South	wall	wood	intact	stained	<LOD	no	no
1822	4th Fl, Courtroom 16	South	door	wood	intact	stained	<LOD	no	no
1823	4th Fl, Courtroom 16	South	door frame	wood	intact	stained	<LOD	no	no
1824	4th Fl, Courtroom 16	South	crown moulding	wood	intact	stained	<LOD	no	no
1825	4th Fl, Courtroom 16	South	wall base	wood	intact	stained	<LOD	no	no
1826	4th Fl, Courtroom 16	West	book case	wood	intact	stained	<LOD	no	no
1827	4th Fl, Courtroom 16	West	railing	wood	intact	stained	<LOD	no	no
1828	4th Fl, Courtroom 16	West	door frame	wood	intact	stained	<LOD	no	no
1829	4th Fl, Courtroom 16	West	door	wood	intact	stained	<LOD	no	no
1830	4th Fl, Courtroom 16	West	wall base	wood	intact	stained	<LOD	no	no
1831	4th Fl, Courtroom 16, Jury Room	North	door	wood	intact	dark brown	<LOD	no	no
1832	4th Fl, Courtroom 16, Jury Room	North	door frame	wood	intact	dark brown	<LOD	no	no
1833	4th Fl, Courtroom 16, Corridor		ceiling	gypboard	intact	beige	<LOD	no	no
1834	4th Fl, Courtroom 16, Women's	East	door	wood	intact	dark brown	0.01 ± 0.06	no	yes
1835	4th Fl, Courtroom 16, Women's	South	wall	gypboard	intact	beige	<LOD	no	no
1836	4th Fl, Courtroom 16, Women's	West	wall	gypboard	intact	beige	<LOD	no	no
1837	4th Fl, Courtroom 16, Women's		ceiling	gypboard	intact	beige	<LOD	no	no
1838	4th Fl, Courtroom 16, Men's	East	door frame	wood	intact	dark brown	<LOD	no	no
1839	4th Fl, Courtroom 16, Men's	North	wall	gypboard	intact	beige	<LOD	no	no
1840	4th Fl, Courtroom 16, Men's	East	wall	gypboard	intact	beige	<LOD	no	no
1841	4th Fl, Courtroom 16, Men's		ceiling	gypboard	intact	beige	<LOD	no	no
1842	4th Fl, Courtroom 17	North	wall	wood	intact	stained	<LOD	no	no
1843	4th Fl, Courtroom 17	North	door	wood	intact	stained	<LOD	no	no
1844	4th Fl, Courtroom 17	North	door frame	wood	intact	stained	<LOD	no	no
1845	4th Fl, Courtroom 17	North	wall base	wood	intact	stained	<LOD	no	no
1846	4th Fl, Courtroom 17	North	crown moulding	wood	intact	stained	<LOD	no	no
1847	4th Fl, Courtroom 17	North	desktop	wood	intact	stained	<LOD	no	no
1848	4th Fl, Courtroom 17	East	wall	wood	intact	stained	<LOD	no	no
1849	4th Fl, Courtroom 17	East	door	wood	intact	stained	<LOD	no	no
1850	4th Fl, Courtroom 17	East	door frame	wood	intact	stained	<LOD	no	no
1851	4th Fl, Courtroom 17	East	wall base	wood	intact	stained	<LOD	no	no
1852	4th Fl, Courtroom 17	East	crown moulding	wood	intact	stained	0.40 ± 0.30	no	yes
1853	4th Fl, Courtroom 17	South	door	wood	intact	stained	<LOD	no	no
1854	4th Fl, Courtroom 17	South	door frame	wood	intact	stained	<LOD	no	no
1855	4th Fl, Courtroom 17	South	wall	gypboard	intact	beige	<LOD	no	no
1856	4th Fl, Courtroom 17	South	wall base	wood	intact	stained	<LOD	no	no
1857	4th Fl, Courtroom 17	South	bench	wood	intact	stained	0.01 ± 0.08	no	yes

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Judiciary Condition Assessment
Ka'ahumanu Hale

XRF#	Location	Side	Component	Substrate	Condition	Color	PbC (mg/cm²)	Lead-Based Paint	Confirmed Lead-Containing Paint
1858	4th Fl, Courtroom 17	West	door	wood	intact	stained	<LOD	no	no
1859	4th Fl, Courtroom 17	West	wall	wood	intact	stained	<LOD	no	no
1860	4th Fl, Courtroom 17	West	door frame	wood	intact	stained	<LOD	no	no
1861	4th Fl, Courtroom 17	West	wall base	wood	intact	stained	<LOD	no	no
1862	4th Fl, Courtroom 17	West	railing	wood	intact	stained	<LOD	no	no
1863	4th Fl, Courtroom 17	West	book shelf	wood	intact	stained	0.01 ± 0.06	no	yes
1864	4th Fl, Courtroom 17, Jury Room	North	door	wood	intact	dark brown	<LOD	no	no
1865	4th Fl, Courtroom 17, Jury Room	North	door frame	wood	intact	dark brown	<LOD	no	no
1866	4th Fl, Courtroom 17, Corridor		ceiling	gypboard	intact	beige	<LOD	no	no
1867	4th Fl, Courtroom 17, Men's	East	door	wood	intact	dark brown	<LOD	no	no
1868	4th Fl, Courtroom 17, Men's	North	wall	gypboard	intact	beige	<LOD	no	no
1869	4th Fl, Courtroom 17, Men's	East	wall	gypboard	intact	beige	<LOD	no	no
1870	4th Fl, Courtroom 17, Men's		ceiling	gypboard	intact	beige	<LOD	no	no
1871	4th Fl, Courtroom 17, Women's	East	door	wood	intact	dark brown	<LOD	no	no
1872	4th Fl, Courtroom 17, Women's	South	stairs	gypboard	intact	beige	<LOD	no	no
1873	4th Fl, Courtroom 17, Women's	West	wall	gypboard	intact	beige	<LOD	no	no
1874	4th Fl, Courtroom 17, Women's		ceiling	gypboard	intact	beige	<LOD	no	no
1875	4th Fl, Courtroom 18	North	wall	wood	intact	stained	<LOD	no	no
1876	4th Fl, Courtroom 18	North	door	wood	intact	stained	<LOD	no	no
1877	4th Fl, Courtroom 18	North	door frame	wood	intact	stained	<LOD	no	no
1878	4th Fl, Courtroom 18	North	wall base	wood	intact	stained	<LOD	no	no
1879	4th Fl, Courtroom 18	North	crown moulding	wood	intact	stained	<LOD	no	no
1880	4th Fl, Courtroom 18	East	wall base	wood	intact	stained	<LOD	no	no
1881	4th Fl, Courtroom 18	East	bench	wood	intact	stained	0.08 ± 0.39	no	yes
1882	4th Fl, Courtroom 18	East	door	wood	intact	stained	<LOD	no	no
1883	4th Fl, Courtroom 18	East	door frame	wood	intact	stained	<LOD	no	no
1884	4th Fl, Courtroom 18	East	wall	gypboard	intact	beige	<LOD	no	no
1885	4th Fl, Courtroom 18	South	door	wood	intact	stained	<LOD	no	no
1886	4th Fl, Courtroom 18	South	door frame	wood	intact	stained	<LOD	no	no
1887	NULL								
1888	4th Fl, Courtroom 18	South	wall	gypboard	intact	beige	<LOD	no	no
1889	4th Fl, Courtroom 18	South	wall base	wood	fair	stained	<LOD	no	no
1890	4th Fl, Courtroom 18	South	railing	wood	intact	stained	<LOD	no	no
1891	4th Fl, Courtroom 18	South	book shelf	wood	intact	stained	<LOD	no	no
1892	4th Fl, Courtroom 18	West	wall	wood	intact	stained	0.01 ± 0.04	no	yes
1893	NULL								
1894	4th Fl, Courtroom 18	West	door	wood	intact	stained	<LOD	no	no
1895	4th Fl, Courtroom 18	West	door frame	wood	intact	stained	<LOD	no	no
1896	4th Fl, Courtroom 18	West	wall base	wood	intact	stained	<LOD	no	no
1897	4th Fl, Courtroom 18	West	crown moulding	wood	intact	stained	<LOD	no	no
1898	4th Fl, Courtroom 18	West	desk top	wood	intact	stained	<LOD	no	no
1899	4th Fl, Courtroom 18, Jury Room	North	door	wood	intact	dark brown	<LOD	no	no
1900	4th Fl, Courtroom 18, Jury Room	West	door frame	wood	intact	stained	0.02 ± 0.11	no	yes
1901	4th Fl, Courtroom 18, Women's	East	door	wood	intact	dark brown	<LOD	no	no
1902	NULL								
1903	4th Fl, Courtroom 18, Women's	South	wall	gypboard	intact	beige	<LOD	no	no
1904	4th Fl, Courtroom 18, Women's	West	wall	gypboard	intact	beige	<LOD	no	no
1905	4th Fl, Courtroom 18, Women's		ceiling	gypboard	intact	beige	<LOD	no	no
1906	NULL								
1907	4th Fl, Courtroom 18, Men's	North	door frame	wood	intact	dark brown	<LOD	no	no
1908	4th Fl, Courtroom 18, Men's	North	wall	gypboard	intact	beige	<LOD	no	no
1909	4th Fl, Courtroom 18, Men's	East	wall	gypboard	intact	beige	<LOD	no	no
1910	4th Fl, Courtroom 18, Men's		ceiling	gypboard	intact	beige	<LOD	no	no
1911	4th Fl, Judge's Chambers 8, Clerk Office	North	window sill	concrete	intact		<LOD	no	no
1912	NULL								
1913	4th Fl, Judge's Chambers 8, Clerk Office	North	wall	gypboard	intact	beige	<LOD	no	no
1914	4th Fl, Judge's Chambers 8, Clerk Office	North	column	concrete	intact	beige	<LOD	no	no
1915	4th Fl, Judge's Chambers 8, Clerk Office	East	wall	gypboard	intact	beige	<LOD	no	no
1916	4th Fl, Judge's Chambers 8, Clerk Office	East	door frame	wood	intact	stained	<LOD	no	no
1917	4th Fl, Judge's Chambers 8, Clerk Office	East	door	wood	intact	stained	<LOD	no	no
1918	4th Fl, Judge's Chambers 8, Clerk Office	East	door	wood	intact	dark brown	<LOD	no	no
1919	4th Fl, Judge's Chambers 8, Clerk Office	East	door frame	wood	intact	dark brown	<LOD	no	no

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Judiciary Condition Assessment
Ka'ahumanu Hale

XRF#	Location	Side	Component	Substrate	Condition	Color	PbC (mg/cm²)	Lead-Based Paint	Confirmed Lead-Containing Paint
1920	4th Fl, Judge's Chambers 8, Clerk Office	South	wall	gypboard	intact	beige	0.01 ± 0.03	no	yes
1921	4th Fl, Judge's Chambers 8, Clerk Office	West	window sill	concrete	intact	beige	<LOD	no	no
1922	4th Fl, Judge's Chambers 8, Clerk Office	West	wall	gypboard	intact	beige	<LOD	no	no
1923	4th Fl, Judge's Chambers 8, Lanai		ceiling	plaster	intact	white	<LOD	no	no
1924	4th Fl, Judge's Chambers 8	North	window sill	concrete	intact	dark brown	<LOD	no	no
1925	4th Fl, Judge's Chambers 8	North	wall	gypboard	intact	dark brown	<LOD	no	no
1926	4th Fl, Judge's Chambers 8	East	book shelf	wood	intact	stained	<LOD	no	no
1927	4th Fl, Judge's Chambers 8, Restroom	West	door	wood	intact	dark stained	0.01 ± 0.05	no	yes
1928	4th Fl, Judge's Chambers 8, Restroom	West	door frame	wood	intact	dark brown	<LOD	no	no
1929	4th Fl, Judge's Chambers 8, Restroom	North	window sill	concrete	intact	dark brown	<LOD	no	no
1930	4th Fl, Judge's Chambers 8, Restroom	North	wall	gypboard	intact	beige	<LOD	no	no
1931	4th Fl, Judge's Chambers 8, Restroom		ceiling	gypboard	intact	beige	<LOD	no	no
1932	4th Fl, Judge's Chambers 9, Clerk Office	North	door	wood	intact	stained	<LOD	no	no
1933	4th Fl, Judge's Chambers 9, Clerk Office	North	door frame	wood	intact	stained	<LOD	no	no
1934	4th Fl, Judge's Chambers 9, Clerk Office	North	wall	gypboard	intact	beige	<LOD	no	no
1935	4th Fl, Judge's Chambers 9, Clerk Office	North	column	concrete	intact	beige	<LOD	no	no
1936	4th Fl, Judge's Chambers 9, Clerk Office	East	wall	gypboard	intact	beige	<LOD	no	no
1937	4th Fl, Judge's Chambers 9, Clerk Office	East	door	wood	intact	dark brown	<LOD	no	no
1938	4th Fl, Judge's Chambers 9, Clerk Office	East	door frame	wood	intact	dark brown	<LOD	no	no
1939	4th Fl, Judge's Chambers 9, Clerk Office	South	wall	gypboard	intact	beige	<LOD	no	no
1940	4th Fl, Judge's Chambers 9, Clerk Office	West	window sill	concrete	intact	beige	<LOD	no	no
1941	4th Fl, Judge's Chambers 9, Clerk Office	West	wall	gypboard	intact	beige	<LOD	no	no
1942	4th Fl, Judge's Chambers 9	East	door	wood	intact	stained	0.01 ± 0.03	no	yes
1943	4th Fl, Judge's Chambers 9	East	door frame	wood	intact	stained	<LOD	no	no
1944	4th Fl, Judge's Chambers 9	North	window sill	concrete	intact	dark brown	<LOD	no	no
1945	4th Fl, Judge's Chambers 9	North	wall	gypboard	intact	dark brown	<LOD	no	no
1946	4th Fl, Judge's Chambers 9, Restroom	South	wall	gypboard	intact	beige	<LOD	no	no
1947	4th Fl, Judge's Chambers 9, Restroom	North	door	wood	intact	dark brown	<LOD	no	no
1948	4th Fl, Judge's Chambers 9, Restroom	North	door frame	wood	intact	dark brown	<LOD	no	no
1949	4th Fl, Judge's Chambers 9, Restroom		ceiling	gypboard	intact	beige	<LOD	no	no
1950	4th Fl, Judge's Chambers 10, Clerk Office	North	wall	gypboard	intact	beige	<LOD	no	no
1951	4th Fl, Judge's Chambers 10, Clerk Office	East	door frame	wood	intact	dark brown	<LOD	no	no
1952	4th Fl, Judge's Chambers 10, Clerk Office	East	door	wood	intact	dark brown	<LOD	no	no
1953	4th Fl, Judge's Chambers 10, Clerk Office	East	wall	gypboard	intact	beige	<LOD	no	no
1954	4th Fl, Judge's Chambers 10, Clerk Office	South	window sill	concrete	intact	beige	<LOD	no	no
1955	4th Fl, Judge's Chambers 10, Clerk Office	South	wall	gypboard	intact	beige	<LOD	no	no
1956	4th Fl, Judge's Chambers 10, Clerk Office	South	column	concrete	intact	beige	<LOD	no	no
1957	4th Fl, Judge's Chambers 10, Clerk Office	West	window sill	concrete	intact	beige	<LOD	no	no
1958	4th Fl, Judge's Chambers 10, Clerk Office	West	wall	gypboard	intact	beige	<LOD	no	no
1959	4th Fl, Judge's Chambers 10, Lanai		ceiling	plaster	intact	off white	<LOD	no	no
1960	4th Fl, Judge's Chambers 10	West	door	wood	intact	stained	<LOD	no	no
1961	4th Fl, Judge's Chambers 10	West	door frame	wood	intact	stained	<LOD	no	no
1962	4th Fl, Judge's Chambers 10	South	window sill	concrete	intact	dark brown	<LOD	no	no
1963	4th Fl, Judge's Chambers 10	South	wall	gypboard	intact	dark brown	<LOD	no	no
1964	4th Fl, Judge's Chambers 10	East	book case	wood	intact	stained	<LOD	no	no
1965	4th Fl, Judge's Chambers 10, Restroom	West	door	wood	intact	stained	0.01 ± 0.03	no	yes
1966	4th Fl, Judge's Chambers 10, Restroom	West	door frame	wood	intact	dark brown	<LOD	no	no
1967	4th Fl, Judge's Chambers 10, Restroom	South	window sill	concrete	intact	dark brown	<LOD	no	no
1968	4th Fl, Judge's Chambers 10, Restroom	South	wall	gypboard	intact	dark brown	<LOD	no	no
1969	4th Fl, Judge's Chambers 10, Restroom		ceiling	gypboard	intact	beige	<LOD	no	no
1970	Calibration						0.90 ± 0.10		
1971	Calibration						0.90 ± 0.10		
1972	Calibration						0.90 ± 0.10		

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Laboratory Report

Painted Surfaces Total Elemental Lead Analyses
by X-Ray Fluorescence

EMET ID: 1511498

Test Date: September 12, 2017

Judiciary Condition Assessment
Ka'ahumanu Hale

XRF#	Location	Side	Component	Substrate	Condition	Color	PbC (mg/cm²)	Lead-Based Paint	Confirmed Lead-Containing Paint
3	Calibration						1.00 ± 0.10		
4	NULL								
5	Calibration						1.00 ± 0.10		
6	NULL								
7	Calibration						1.00 ± 0.10		
8	4th Fl, Judge's Chambers, Clerk Office	North	wall	gypboard	intact	beige	<LOD	no	no
9	4th Fl, Judge's Chambers, Clerk Office	North	door	wood	intact	dark brown	<LOD	no	no
10	4th Fl, Judge's Chambers, Clerk Office	North	door frame	plastic	intact	dark brown	<LOD	no	no
11	4th Fl, Judge's Chambers, Clerk Office	East	wall	gypboard	intact	beige	<LOD	no	no
12	4th Fl, Judge's Chambers, Clerk Office	South	window sill	concrete	intact	beige	<LOD	no	no
13	4th Fl, Judge's Chambers, Clerk Office	South	wall	gypboard	intact	beige	<LOD	no	no
14	4th Fl, Judge's Chambers, Clerk Office	South	column	concrete	intact	beige	<LOD	no	no
15	4th Fl, Judge's Chambers, Clerk Office	West	wall	gypboard	intact	beige	<LOD	no	no
16	4th Fl, Judge's Chambers, Clerk Office	West	door	wood	intact	stained	<LOD	no	no
17	4th Fl, Judge's Chambers, Clerk Office	West	door frame	wood	intact	stained	<LOD	no	no
18	4th Fl, Judge's Chambers	West	book case	wood	intact	stained	<LOD	no	no
19	4th Fl, Judge's Chambers	South	window sill	gypboard	intact	dark brown	<LOD	no	no
20	4th Fl, Judge's Chambers	South	wall	gypboard	intact	dark brown	<LOD	no	no
21	4th Fl, Judge's Chambers, Restroom	South	window sill	concrete	intact	dark brown	<LOD	no	no
22	4th Fl, Judge's Chambers, Restroom	South	wall	gypboard	intact	dark brown	<LOD	no	no
23	4th Fl, Judge's Chambers, Restroom	East	door	wood	intact	stained	<LOD	no	no
24	4th Fl, Judge's Chambers, Restroom		ceiling	gypboard	intact	beige	<LOD	no	no
25	4th Fl, Men's Locker next to Judge's Chambers 5	North	wall	gypboard	intact	beige	<LOD	no	no
26	4th Fl, Men's Locker next to Judge's Chambers 5	North	door	wood	intact	dark brown	<LOD	no	no
27	4th Fl, Men's Locker next to Judge's Chambers 5	North	door frame	plastic	intact	dark brown	0.50 ± 0.50	no	yes
28	4th Fl, Men's Locker next to Judge's Chambers 5	East	wall	gypboard	intact	beige	<LOD	no	no
29	4th Fl, Women's Locker next to Judge's Chambers 5	South	window sill	concrete	intact	beige	0.60 ± 0.40	no	yes
30	4th Fl, Men's Locker next to Judge's Chambers 5	South	wall	gypboard	intact	beige	0.01 ± 0.06	no	yes
31	4th Fl, Men's Locker next to Judge's Chambers 5	West	wall	gypboard	intact	beige	0.50 ± 0.40	no	yes
32	4th Fl, Men's Locker next to Judge's Chambers 5	North	wall	gypboard	intact	beige	<LOD	no	no
33	4th Fl, Judge's Chambers 4	North	door	wood	intact	dark brown	<LOD	no	no
34	4th Fl, Judge's Chambers 4	North	door frame	wood	intact	dark brown	<LOD	no	no
35	4th Fl, Judge's Chambers 4	East	wall	gypboard	intact	beige	<LOD	no	no
36	4th Fl, Judge's Chambers 4	East	door	wood	intact	stained	<LOD	no	no
37	4th Fl, Judge's Chambers 4	East	door frame	wood	intact	stained	<LOD	no	no
38	4th Fl, Judge's Chambers 4	South	window sill	concrete	intact	beige	<LOD	no	no
39	4th Fl, Judge's Chambers 4	South	wall	gypboard	intact	beige	0.01 ± 0.06	no	yes
40	4th Fl, Judge's Chambers 4	South	column	concrete	intact	beige	<LOD	no	no
41	4th Fl, Judge's Chambers 4	West	wall	gypboard	intact	beige	<LOD	no	no
42	4th Fl, Judge's Chambers 4	West	door	wood	intact	stained	<LOD	no	no
43	4th Fl, Judge's Chambers 4	West	door frame	wood	intact	stained	<LOD	no	no
44	4th Fl, Judge's Chambers 4	South	window sill	concrete	intact	dark brown	0.01 ± 0.02	no	yes
45	4th Fl, Judge's Chambers 4	South	wall	gypboard	intact	dark brown	0.50 ± 0.50	no	yes
46	4th Fl, Judge's Chambers 4, Restroom	South	wall	gypboard	intact	dark brown	<LOD	no	no
47	4th Fl, Judge's Chambers 4, Restroom	West	door	wood	intact	stained	0.01 ± 0.03	no	yes
48	4th Fl, Judge's Chambers 4, Restroom	West	door frame	wood	intact	dark brown	<LOD	no	no
49	4th Fl, Judge's Chambers 4, Restroom		ceiling	gypboard	intact	beige	0.01 ± 0.05	no	yes
50	4th Fl, Mens across Judge's Chambers 4	South	door	wood	intact	dark brown	<LOD	no	no
51	4th Fl, Mens across Judge's Chambers 4		ceiling	gypboard	intact	beige	<LOD	no	no
52	4th Fl, Womens across Judge's Chambers 5	South	door frame	wood	intact	dark brown	0.01 ± 0.04	no	yes
53	4th Fl, Womens across Judge's Chambers 5		ceiling	gypboard	intact	beige	<LOD	no	no
54	4th Fl, Custodian Closet across Men's Lounge	South	wall	gypboard	intact	beige	<LOD	no	no
55	4th Fl, Custodian Closet across Men's Lounge		ceiling	gypboard	intact	beige	<LOD	no	no
56	4th Fl, Makai Mechanical Room	North	wall	CMU	intact	beige	0.30 ± 0.64	no	yes
57	4th Fl, Makai Mechanical Room	North	wall	concrete	intact	beige	<LOD	no	no
58	4th Fl, Makai Mechanical Room	North	air duct	metal	intact	beige	<LOD	no	no
59	4th Fl, Makai Mechanical Room	North	conduit pipe	metal	intact	beige	0.01 ± 0.05	no	yes

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Judiciary Condition Assessment
Ka'ahumanu Hale

XRF#	Location	Side	Component	Substrate	Condition	Color	PbC (mg/cm²)	Lead-Based Paint	Confirmed Lead-Containing Paint
60	4th Fl, Makai Mechanical Room	East	door	metal	intact	dark brown	0.03 ± 0.12	no	yes
61	4th Fl, Makai Mechanical Room	East	door frame	metal	intact	dark brown	0.14 ± 0.54	no	yes
62	4th Fl, Makai Mechanical Room	East	wall	CMU	intact	beige	0.03 ± 0.12	no	yes
63	4th Fl, Makai Mechanical Room	South	wall	CMU	intact	beige	<LOD	no	no
64	4th Fl, Makai Mechanical Room		AHU	metal	intact	beige	<LOD	no	no
65	4th Fl, Makai Mechanical Room	West	wall	CMU	intact	beige	0.03 ± 0.15	no	yes
66	4th Fl, Makai Mechanical Room	West	beam	concrete	intact	beige	0.02 ± 0.09	no	yes
67	4th Fl, Telephone Room across Jury Room 9	West	wall	gypboard	intact	beige	<LOD	no	no
68	4th Fl, Telephone Room across Jury Room 9	East	wall	concrete	intact	beige	<LOD	no	no
69	4th Fl, Telephone Room across Jury Room 9	North	door	wood	intact	dark brown	<LOD	no	no
70	4th Fl, Storage Room across Court Room 9	West	wall	gypboard	intact	beige	<LOD	no	no
71	4th Fl, Storage Room across Court Room 9	North	door frame	wood	intact	dark brown	<LOD	no	no
72	4th Fl, Staff Lounge across Court Room 9	North	wall	gypboard	intact	beige	0.50 ± 0.40	no	yes
73	4th Fl, Staff Lounge across Court Room 9	North	door	wood	intact	dark brown	<LOD	no	no
74	4th Fl, Staff Lounge across Court Room 9	North	door frame	wood	intact	dark brown	<LOD	no	no
75	4th Fl, Staff Lounge across Court Room 9	East	wall	gypboard	intact	beige	<LOD	no	no
76	4th Fl, Staff Lounge across Court Room 9	South	window sill	CMU	intact	beige	<LOD	no	no
77	4th Fl, Staff Lounge across Court Room 9	South	wall	gypboard	intact	beige	<LOD	no	no
78	4th Fl, Staff Lounge across Court Room 9	West	wall	gypboard	intact	beige	<LOD	no	no
79	4th Fl, Staff Lounge across Court Room 9	West	column	concrete	intact	beige	<LOD	no	no
80	4th Fl, Storage Room across Court Room 17	West	wall	gypboard	intact	beige	<LOD	no	no
81	4th Fl, Storage Room across Court Room 17	South	window sill	concrete	intact	beige	<LOD	no	no
82	4th Fl, Storage Room across Court Room 17	North	door	wood	intact	dark brown	<LOD	no	no
83	4th Fl, Telephone Room across Jury Room 17	West	wall	gypboard	intact	beige	<LOD	no	no
84	NULL								
85	4th Fl, Telephone Room across Jury Room 17	South	window sill	concrete	intact	beige	<LOD	no	no
86	4th Fl, Telephone Room across Jury Room 17	North	door frame	wood	intact	dark brown	<LOD	no	no
87	4th Fl, Staff Lounge across Courtroom 17	North	wall	gypboard	intact	beige	<LOD	no	no
88	4th Fl, Staff Lounge across Courtroom 17	North	door	wood	intact	dark brown	<LOD	no	no
89	4th Fl, Staff Lounge across Courtroom 17	North	door frame	wood	intact	dark brown	<LOD	no	no
90	4th Fl, Staff Lounge across Courtroom 17	East	wall	gypboard	intact	beige	<LOD	no	no
91	4th Fl, Staff Lounge across Courtroom 17	South	window sill	concrete	intact	beige	<LOD	no	no
92	4th Fl, Staff Lounge across Courtroom 17	South	wall	gypboard	intact	beige	<LOD	no	no
93	4th Fl, Staff Lounge across Courtroom 17	West	wall	gypboard	intact	beige	<LOD	no	no
94	4th Fl, Staff Lounge across Courtroom 17	West	ceiling	concrete	intact	beige	<LOD	no	no
95	4th Fl, South Corridor	North	wall	concrete	intact	beige	<LOD	no	no
96	4th Fl, South Corridor	South	wall	gypboard	intact	beige	<LOD	no	no
97	4th Fl, South Corridor	South	door frame	wood	fair	dark brown	<LOD	no	no
98	4th Fl, South Corridor	North	door	wood	intact	dark brown	<LOD	no	no
99	4th Fl, South Corridor	North	door	wood	intact	stained	<LOD	no	no
100	4th Fl, South Corridor	North	door frame	wood	intact	stained	<LOD	no	no
101	4th Fl, South Corridor		ceiling	gypboard	intact	burnt orange	<LOD	no	no
102	4th Fl, West Corridor	West	wall	concrete	intact	beige	<LOD	no	no
103	4th Fl, West Corridor	East	wall	gypboard	intact	beige	<LOD	no	no
104	4th Fl, West Corridor	West	door	wood	intact	dark brown	<LOD	no	no
105	4th Fl, West Corridor	West	door frame	wood	intact	dark brown	<LOD	no	no
106	4th Fl, West Corridor	East	door	wood	intact	stained	<LOD	no	no
107	4th Fl, West Corridor	East	door frame	wood	intact	stained	<LOD	no	no
108	4th Fl, West Corridor		ceiling	gypboard	intact	burnt orange	<LOD	no	no
109	4th Fl, Kapolei Court Complex Project Manager's Office	West	wall	gypboard	intact	beige	<LOD	no	no
110	4th Fl, Kapolei Court Complex Project Manager's Office	South	door	wood	intact	brown	<LOD	no	no
111	4th Fl, Telephone Room across Jury Room 16	West	wall	concrete	intact	beige	<LOD	no	no
112	NULL								
113	4th Fl, Telephone Room across Jury Room 16	South	door	wood	intact	dark brown	<LOD	no	no
114	4th Fl, Staff Lounge across Courtroom 16	North	window sill	concrete	intact	beige	<LOD	no	no
115	4th Fl, Staff Lounge across Courtroom 16	North	wall	gypboard	intact	beige	<LOD	no	no
116	4th Fl, Staff Lounge across Courtroom 16	East	wall	gypboard	intact	beige	<LOD	no	no
117	4th Fl, Staff Lounge across Courtroom 16	South	wall	gypboard	intact	beige	<LOD	no	no
118	4th Fl, Staff Lounge across Courtroom 16	South	door	wood	intact	dark brown	<LOD	no	no
119	4th Fl, Staff Lounge across Courtroom 16	South	door frame	wood	intact	dark brown	<LOD	no	no
120	4th Fl, Staff Lounge across Courtroom 16	West	column	concrete	intact	beige	<LOD	no	no
121	4th Fl, Staff Lounge across Courtroom 16	West	wall	gypboard	intact	beige	<LOD	no	no

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Judiciary Condition Assessment
Ka'ahumanu Hale

XRF#	Location	Side	Component	Substrate	Condition	Color	PbC (mg/cm²)	Lead-Based Paint	Confirmed Lead-Containing Paint
122	4th Fl, North Corridor	South	wall	concrete	intact	beige	<LOD	no	no
123	4th Fl, North Corridor	North	wall	gypboard	intact	beige	<LOD	no	no
124	4th Fl, North Corridor	North	door frame	wood	intact	dark brown	<LOD	no	no
125	4th Fl, North Corridor	North	door	wood	intact	dark brown	<LOD	no	no
126	4th Fl, North Corridor	South	door	wood	intact	stained	<LOD	no	no
127	4th Fl, North Corridor	South	door frame	wood	intact	stained	<LOD	no	no
128	4th Fl, North Corridor		ceiling	gypboard	intact	burnt orange	<LOD	no	no
129	4th Fl, Judge's Chambers 7, Clerk Office	North	window sill	concrete	intact	beige	<LOD	no	no
130	4th Fl, Judge's Chambers 7, Clerk Office	North	wall	gypboard	intact	beige	0.60 ± 0.40	no	yes
131	4th Fl, Judge's Chambers 7, Clerk Office	North	column	concrete	intact	beige	<LOD	no	no
132	4th Fl, Judge's Chambers 7, Clerk Office	East	wall	gypboard	intact	beige	<LOD	no	no
133	4th Fl, Judge's Chambers 7, Clerk Office	East	door	wood	intact	brown	<LOD	no	no
134	4th Fl, Judge's Chambers 7, Clerk Office	East	door frame	wood	intact	dark brown	<LOD	no	no
135	4th Fl, Judge's Chambers 7, Clerk Office	South	wall	gypboard	intact	beige	<LOD	no	no
136	4th Fl, Judge's Chambers 7, Clerk Office	South	door	wood	intact	dark brown	0.01 ± 0.03	no	yes
137	4th Fl, Judge's Chambers 7, Clerk Office	South	door frame	wood	intact	dark brown	<LOD	no	no
138	4th Fl, Judge's Chambers 7, Clerk Office	West	wall	gypboard	intact	beige	<LOD	no	no
139	4th Fl, Judge's Chambers 7, Clerk Office	West	door	wood	intact	stained	<LOD	no	no
140	4th Fl, Judge's Chambers 7, Clerk Office	West	door frame	wood	intact	stained	<LOD	no	no
141	4th Fl, Judge's Chambers 7	West	book shelf	wood	intact	stained	0.03 ± 0.15	no	yes
142	4th Fl, Judge's Chambers 7	North	wall	concrete	intact	brown	<LOD	no	no
143	4th Fl, Judge's Chambers 7	North	wall	gypboard	intact	dark brown	<LOD	no	no
144	4th Fl, Judge's Chambers 7	East	door	wood	intact	stained	<LOD	no	no
145	4th Fl, Judge's Chambers 7	East	door frame	wood	intact	stained	<LOD	no	no
146	4th Fl, Judge's Chambers 7, Restroom	North	window sill	concrete	intact	dark brown	<LOD	no	no
147	4th Fl, Judge's Chambers 7, Restroom	North	wall	gypboard	intact	dark brown	<LOD	no	no
148	4th Fl, Judge's Chambers 7, Restroom	East	door	wood	intact	stained	<LOD	no	no
149	4th Fl, Judge's Chambers 7, Restroom	East	door frame	wood	intact	dark brown	<LOD	no	no
150	4th Fl, Judge's Chambers 7, Restroom		ceiling	gypboard	intact	beige	<LOD	no	no
151	4th Fl, Copyroom next to Judge's Chambers 6	North	window sill	concrete	intact	beige	<LOD	no	no
152	4th Fl, Copyroom next to Judge's Chambers 6	North	wall	gypboard	intact	beige	0.60 ± 0.40	no	yes
153	4th Fl, Copyroom next to Judge's Chambers 6	East	wall	gypboard	intact	beige	0.50 ± 0.50	no	yes
154	4th Fl, Copyroom next to Judge's Chambers 6	East	door	wood	intact	dark brown	<LOD	no	no
155	4th Fl, Copyroom next to Judge's Chambers 6	East	door frame	plastic	intact	dark brown	<LOD	no	no
156	4th Fl, Copyroom next to Judge's Chambers 6	South	wall	gypboard	intact	beige	<LOD	no	no
157	4th Fl, Copyroom next to Judge's Chambers 6	South	door	wood	intact	dark brown	<LOD	no	no
158	4th Fl, Copyroom next to Judge's Chambers 6	South	door frame	wood	intact	dark brown	<LOD	no	no
159	4th Fl, Copyroom next to Judge's Chambers 6	West	wall	gypboard	intact	beige	<LOD	no	no
160	4th Fl, Copyroom next to Judge's Chambers 6	West	door frame	wood	intact	dark brown	0.01 ± 0.05	no	yes
161	4th Fl, Copyroom next to Judge's Chambers 6	West	door	wood	intact	dark brown	<LOD	no	no
162	4th Fl, Judge's Chambers 6, Clerk Office	North	window sill	concrete	intact	beige	0.60 ± 0.30	no	yes
163	4th Fl, Judge's Chambers 6, Clerk Office	North	wall	gypboard	intact	beige	<LOD	no	no
164	4th Fl, Judge's Chambers 6, Clerk Office	North	column	concrete	intact	beige	0.70 ± 0.30	no	yes
165	4th Fl, Judge's Chambers 6, Clerk Office	East	wall	gypboard	intact	beige	<LOD	no	no
166	4th Fl, Judge's Chambers 6, Clerk Office	East	door	wood	intact	stained	<LOD	no	no
167	4th Fl, Judge's Chambers 6, Clerk Office	East	door frame	wood	intact	stained	<LOD	no	no
168	4th Fl, Judge's Chambers 6, Clerk Office	South	wall	gypboard	intact	beige	<LOD	no	no
169	4th Fl, Judge's Chambers 6, Clerk Office	South	door	wood	intact	dark brown	<LOD	no	no
170	4th Fl, Judge's Chambers 6, Clerk Office	South	door frame	wood	intact	dark brown	<LOD	no	no
171	4th Fl, Judge's Chambers 6, Clerk Office	West	wall	gypboard	intact	brown	<LOD	no	no
172	4th Fl, Judge's Chambers 6, Clerk Office	West	door	wood	intact	dark brown	<LOD	no	no
173	4th Fl, Judge's Chambers 6, Clerk Office	West	door frame	wood	intact	dark brown	0.01 ± 0.03	no	yes
174	4th Fl, Judge's Chambers 6	East	book shelf	wood	intact	stained	<LOD	no	no
175	4th Fl, Judge's Chambers 6	North	window sill	concrete	intact	dark brown	<LOD	no	no
176	4th Fl, Judge's Chambers 6	North	wall	gypboard	intact	dark brown	<LOD	no	no
177	4th Fl, Judge's Chambers 6	West	door	wood	intact	stained	<LOD	no	no
178	4th Fl, Judge's Chambers 6	West	door frame	wood	intact	stained	0.01 ± 0.03	no	yes
179	4th Fl, Judge's Chambers 6, Restroom		window sill	concrete	intact	dark brown	<LOD	no	no
180	4th Fl, Judge's Chambers 6, Restroom	North	wall	gypboard	intact	dark brown	<LOD	no	no
181	4th Fl, Judge's Chambers 6, Restroom	West	door	wood	intact	dark brown	0.02 ± 0.08	no	yes
182	4th Fl, Judge's Chambers 6, Restroom	West	door frame	wood	fair	dark brown	<LOD	no	no
183	4th Fl, Judge's Chambers 6, Restroom		ceiling	gypboard	intact	beige	<LOD	no	no

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Judiciary Condition Assessment
Ka'ahumanu Hale

XRF#	Location	Side	Component	Substrate	Condition	Color	PbC (mg/cm²)	Lead-Based Paint	Confirmed Lead-Containing Paint
184	NULL								
185	4th Fl, Women's across Judge's Chambers 6	North	door	wood	intact	dark brown	<LOD	no	no
186	4th Fl, Women's across Judge's Chambers 6		ceiling	gypboard	intact	beige	<LOD	no	no
187	4th Fl, Men Restroom across Judge's Chambers 6	North	door frame	wood	intact	dark brown	<LOD	no	no
188	4th Fl, Men Restroom across Judge's Chambers 6		ceiling	gypboard	intact	beige	<LOD	no	no
189	4th Fl, Custodian Closet across Judge's Chambers 6	South	wall	gypboard	intact	beige	<LOD	no	no
190	4th Fl, Custodian Closet across Judge's Chambers 6	North	door	wood	intact	dark brown	<LOD	no	no
191	4th Fl, Custodian Closet across Judge's Chambers 6		ceiling	gypboard	intact	beige	<LOD	no	no
192	4th Fl, Mauka Mechanical Room	North	wall	CMU	intact	beige	0.01 ± 0.07	no	yes
193	4th Fl, Mauka Mechanical Room	North	air duct	metal	intact	beige	0.03 ± 0.14	no	yes
194	4th Fl, Mauka Mechanical Room	East	wall	CMU	intact	beige	<LOD	no	no
195	4th Fl, Mauka Mechanical Room	East	door	metal	intact	dark brown	0.01 ± 0.04	no	yes
196	4th Fl, Mauka Mechanical Room	East	door frame	metal	intact	dark brown	0.01 ± 0.04	no	yes
197	4th Fl, Mauka Mechanical Room	South	wall	CMU	intact	beige	0.01 ± 0.04	no	yes
198	4th Fl, Mauka Mechanical Room	South	conduit pipe	metal	intact	beige	<LOD	no	no
199	4th Fl, Mauka Mechanical Room	West	wall	CMU	intact	beige	0.01 ± 0.07	no	yes
200	4th Fl, Telephone Room across Jury Room 10	East	wall	concrete	intact	beige	<LOD	no	no
201	4th Fl, Telephone Room across Jury Room 10	West	wall	gypboard	intact	beige	<LOD	no	no
202	4th Fl, Telephone Room across Jury Room 10	South	door	wood	intact	dark brown	<LOD	no	no
203	4th Fl, Storage Room across Jury Room 10	North	wall	gypboard	intact	beige	<LOD	no	no
204	4th Fl, Storage Room across Jury Room 10	South	door	wood	intact	beige	<LOD	no	no
205	4th Fl, Staff Room across Courtroom 10	North	window sill	concrete	intact	beige	<LOD	no	no
206	4th Fl, Staff Room across Courtroom 10	North	wall	gypboard	intact	beige	<LOD	no	no
207	4th Fl, Staff Room across Courtroom 10	East	wall	gypboard	intact	beige	<LOD	no	no
208	4th Fl, Staff Room across Courtroom 10	South	door	wood	intact	dark brown	0.02 ± 0.07	no	yes
209	4th Fl, Staff Room across Courtroom 10	South	door frame	wood	intact	dark brown	<LOD	no	no
210	4th Fl, Staff Room across Courtroom 10	South	wall	gypboard	intact	beige	<LOD	no	no
211	4th Fl, Staff Room across Courtroom 10	West	column	concrete	intact	beige	<LOD	no	no
212	4th Fl, Staff Room across Courtroom 10	West	wall	gypboard	intact	beige	<LOD	no	no
213	NULL								
214	4th Fl, East Corridor	North	wall	gypboard	intact	beige	0.50 ± 0.50	no	yes
215	4th Fl, East Corridor	South	wall	concrete	intact	beige	<LOD	no	no
216	4th Fl, East Corridor	North	door	wood	intact	dark brown	<LOD	no	no
217	4th Fl, East Corridor	North	door frame	wood	intact	dark brown	<LOD	no	no
218	4th Fl, East Corridor	South	door	wood	intact	stained	<LOD	no	no
219	4th Fl, East Corridor	South	door frame	wood	intact	stained	<LOD	no	no
220	4th Fl, East Corridor		ceiling	gypboard	intact	burnt orange	<LOD	no	no
221	4th Fl, North Conference	North	wall	gypboard	intact	beige	<LOD	no	no
222	4th Fl, North Conference	North	door	wood	intact	dark brown	<LOD	no	no
223	4th Fl, North Conference	North	door frame	wood	intact	dark brown	<LOD	no	no
224	4th Fl, North Conference	East	wall	gypboard	intact	beige	<LOD	no	no
225	4th Fl, North Conference	South	wall	gypboard	intact	beige	<LOD	no	no
226	4th Fl, North Conference	South	door	wood	intact	dark brown	<LOD	no	no
227	4th Fl, North Conference	South	door frame	wood	intact	dark brown	<LOD	no	no
228	4th Fl, North Conference	West	wall	gypboard	intact	beige	<LOD	no	no
229	NULL								
230	4th Fl, Women's Atrium		ceiling	gypboard	intact	beige	<LOD	no	no
231	4th Fl, Women's Atrium	South	door	wood	intact	dark brown	<LOD	no	no
232	4th Fl, Women's Atrium	South	door frame	wood	intact	dark brown	0.01 ± 0.05	no	yes
233	4th Fl, Men's Atrium		ceiling	gypboard	intact	beige	0.01 ± 0.06	no	yes
234	4th Fl, Men's Atrium	North	door	wood	intact	dark brown	<LOD	no	no
235	4th Fl, Men's Atrium	North	door frame	wood	intact	dark brown	<LOD	no	no
236	4th Fl, Court Annex Arbitration Program	North	wall	gypboard	intact	beige	0.50 ± 0.50	no	yes
237	4th Fl, Court Annex Arbitration Program	North	door frame	wood	intact	dark brown	<LOD	no	no
238	4th Fl, Court Annex Arbitration Program	North	door	wood	intact	dark brown	<LOD	no	no
239	4th Fl, Court Annex Arbitration Program	East	wall	gypboard	intact	beige	<LOD	no	no
240	4th Fl, Court Annex Arbitration Program	South	wall	gypboard	intact	beige	<LOD	no	no
241	NULL								
242	4th Fl, Court Annex Arbitration Program	West	wall	gypboard	intact	beige	<LOD	no	no
243	NULL								
244	4th Fl, Ewa Foyer	North	wall	gypboard	intact	beige	<LOD	no	no
245	4th Fl, Ewa Foyer	North	door	wood	intact	dark brown	<LOD	no	no

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Judiciary Condition Assessment
Ka'ahumanu Hale

XRF#	Location	Side	Component	Substrate	Condition	Color	PbC (mg/cm²)	Lead-Based Paint	Confirmed Lead-Containing Paint
246	4th Fl, Ewa Foyer	North	door frame	wood	intact	dark brown	<LOD	no	no
247	4th Fl, Ewa Foyer	South	wall	gypboard	intact	beige	<LOD	no	no
248	4th Fl, Ewa Foyer	South	door	plastic	intact	stained	<LOD	no	no
249	4th Fl, Ewa Foyer	South	door frame	wood	intact	stained	<LOD	no	no
250	4th Fl, Ewa Foyer	South	bench	wood	intact	stained	<LOD	no	no
251	4th Fl, Ewa Foyer	West	door	wood	intact	stained	<LOD	no	no
252	4th Fl, Ewa Foyer	West	door frame	wood	intact	stained	<LOD	no	no
253	4th Fl, Ewa Foyer	West	wall	metal	intact	beige	<LOD	no	no
254	4th Fl, Atrium	North	wall	concrete	intact	beige	<LOD	no	no
255	4th Fl, Atrium	North	door	plastic	intact	dark brown	<LOD	no	no
256	4th Fl, Atrium	North	door frame	wood	intact	dark brown	0.04 ± 0.20	no	yes
257	4th Fl, Atrium	North	wall trim	wood	intact	stained	<LOD	no	no
258	4th Fl, Atrium	North	column	concrete	intact	beige	<LOD	no	no
259	4th Fl, Atrium	East	wall	gypboard	intact	beige	<LOD	no	no
260	4th Fl, Atrium	East	wall trim	wood	intact	stained	<LOD	no	no
261	4th Fl, Atrium	South	wall	concrete	intact	beige	<LOD	no	no
262	4th Fl, Atrium	South	door	wood	intact	dark brown	<LOD	no	no
263	4th Fl, Atrium	South	door frame	wood	intact	dark brown	<LOD	no	no
264	4th Fl, Atrium	South	wall trim	wood	intact	stained	<LOD	no	no
265	4th Fl, Atrium	West	wall	gypboard	intact	beige	<LOD	no	no
266	4th Fl, Atrium	West	wall trim	wood	intact	stained	<LOD	no	no
267	4th Fl, Diamond Head Foyer	North	bench	wood	intact	stained	<LOD	no	no
268	4th Fl, Diamond Head Foyer	North	wall	gypboard	intact	beige	<LOD	no	no
269	4th Fl, Diamond Head Foyer	North	door	wood	intact	dark brown	0.01 ± 0.03	no	yes
270	4th Fl, Diamond Head Foyer	North	door frame	wood	intact	dark brown	<LOD	no	no
271	4th Fl, Diamond Head Foyer	East	wall	gypboard	intact	beige	<LOD	no	no
272	4th Fl, Diamond Head Foyer	East	door	wood	intact	stained	<LOD	no	no
273	4th Fl, Diamond Head Foyer	East	door frame	wood	intact	stained	<LOD	no	no
274	4th Fl, Diamond Head Foyer	South	wall	gypboard	intact	beige	<LOD	no	no
275	4th Fl, Diamond Head Foyer	South	door	wood	intact	stained	<LOD	no	no
276	4th Fl, Diamond Head Foyer	South	door frame	wood	intact	stained	<LOD	no	no
277	4th Fl, Diamond Head Foyer	South	column	concrete	intact	beige	<LOD	no	no
278	Calibration						1.00 ± 0.10		
279	NULL								
280	Calibration						1.00 ± 0.10		
281	NULL								
282	Calibration						1.00 ± 0.10		

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Laboratory Report

Painted Surfaces Total Elemental Lead Analyses
by X-Ray Fluorescence

EMET ID: 1511498

Test Date: September 13, 2017

Judiciary Condition Assessment
Ka'ahumanu Hale

XRF#	Location	Side	Component	Substrate	Condition	Color	PbC (mg/cm²)	Lead-Based Paint	Confirmed Lead-Containing Paint
284	NULL								
285	Calibration						1.00 ± 0.10		
286	Calibration						1.00 ± 0.10		
287	Calibration						1.00 ± 0.10		
288	NULL								
289	Main Roof	North	wall	concrete	intact	beige	<LOD	no	no
290	Main Roof	North	door	metal	intact	dark brown	0.01 ± 0.04	no	yes
291	Main Roof	North	door frame	metal	intact	dark brown	<LOD	no	no
292	Main Roof	East	wall	concrete	intact	beige	<LOD	no	no
293	Main Roof Elevator 6 Mechanical Room	East	door	metal	intact	dark brown	0.02 ± 0.13	no	yes
294	Main Roof Elevator 6 Mechanical Room	East	door frame	metal	intact	dark brown	<LOD	no	no
295	Main Roof	South	wall	concrete	intact	beige	<LOD	no	no
296	Main Roof	South	door	metal	intact	dark brown	<LOD	no	no
297	Main Roof	South	door frame	metal	intact	dark brown	<LOD	no	no
298	Main Roof	West	wall	concrete	intact	beige	<LOD	no	no
299	Main Roof		column	concrete	intact	beige	<LOD	no	no
300	Main Roof Chiller		wall	CMU	intact	beige	<LOD	no	no
301	2nd Fl Roof Mauka	North	wall	concrete	intact	beige	<LOD	no	no
302	2nd Fl Roof Mauka	North	flashing	metal	intact	beige	<LOD	no	no
303	NULL								
304	2nd Fl Roof Mauka	East	column	concrete	intact	beige	<LOD	no	no
305	2nd Fl Roof Mauka	East	ceiling	plaster	intact	white	<LOD	no	no
306	2nd Fl Roof Mauka	South	column	concrete	intact	beige	<LOD	no	no
307	2nd Fl Roof Mauka	West	door	metal	intact	dark brown	<LOD	no	no
308	2nd Fl Roof Mauka	West	door frame	metal	intact	dark brown	<LOD	no	no
309	2nd Fl Roof Mauka	West	wall	concrete	intact	beige	<LOD	no	no
310	3rd Fl Roof Mauka	North	door	metal	intact	dark blue	<LOD	no	no
311	3rd Fl Roof Mauka	North	door frame	metal	intact	dark brown	<LOD	no	no
312	3rd Fl Roof Mauka	North	wall	concrete	intact	beige	-0.49 ± 1.47	no	yes
313	3rd Fl Roof Mauka	South	column	concrete	intact	beige	<LOD	no	no
314	3rd Fl Roof Mauka	South	wall	concrete	intact	beige	<LOD	no	no
315	2nd Fl Makai Roof	North	wall	concrete	intact	beige	0.01 ± 0.02	no	yes
316	2nd Fl Makai Roof	North	column	concrete	intact	beige	<LOD	no	no
317	2nd Fl Makai Roof	East	wall	concrete	intact	beige	<LOD	no	no
318	2nd Fl Makai Roof	South	wall	concrete	intact	beige	0.50 ± 0.50	no	yes
319	2nd Fl Makai Roof	North	gate	metal	fair	dark blue	0.07 ± 0.31	no	yes
320	2nd Fl Makai Roof	East	door	metal	intact	dark brown	<LOD	no	no
321	2nd Fl Makai Roof	East	door frame	metal	intact	dark brown	<LOD	no	no
322	2nd Fl Makai Roof	West	door	metal	intact	dark brown	<LOD	no	no
323	2nd Fl Makai Roof	West	door frame	metal	intact	dark brown	<LOD	no	no
324	2nd Fl Makai Roof	West	wall	concrete	intact	beige	<LOD	no	no
325	2nd Fl Makai Roof		ceiling	plaster	intact	white	<LOD	no	no
326	Basement, Electrical Room 2	North	wall	concrete		beige	<LOD	no	no
327	NULL								
328	Basement, Electrical Room 2	East	wall	CMU	intact	beige	<LOD	no	no
329	Basement, Electrical Room 2	East	conduit pipe	metal	intact	beige	<LOD	no	no
330	Basement, Electrical Room 2	East	electrical box	metal	intact	gray	<LOD	no	no
331	Basement, Electrical Room 2	South	wall	CMU	intact	beige	<LOD	no	no
332	Basement, Electrical Room 2	South	door	metal	intact	dark brown	<LOD	no	no
333	Basement, Electrical Room 2	South	door frame	metal	intact	dark brown	<LOD	no	no
334	Basement, Electrical Room 2	South	column	concrete	intact	beige	<LOD	no	no
335	Basement, Electrical Room 2	West	wall	concrete	intact	beige	<LOD	no	no
336	Basement, Electrical Room 2	West	conduit pipe	metal	intact	beige	<LOD	no	no
337	Basement, Electrical Room 2	West	electrical box	metal	intact	gray	<LOD	no	no
338	Basement, Electrical Room 2		ceiling	concrete	intact	white	<LOD	no	no
339	Basement, Parking Lot	North	door	metal	intact	dark brown	<LOD	no	no
340	Basement, Parking Lot	North	door frame	metal	intact	dark brown	<LOD	no	no

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Judiciary Condition Assessment
Ka'ahumanu Hale

XRF#	Location	Side	Component	Substrate	Condition	Color	PbC (mg/cm²)	Lead-Based Paint	Confirmed Lead-Containing Paint
341	Basement, Parking Lot	North	wall	CMU	intact	beige	<LOD	no	no
342	Basement, Parking Lot	North	wall	concrete	intact	beige	<LOD	no	no
343	Basement, Parking Lot	North	column	concrete	intact	beige	<LOD	no	no
344	Basement, Parking Lot	North	conduit pipe	metal	intact	beige	<LOD	no	no
345	Basement, Parking Lot	North	beam	metal	intact	yellow	<LOD	no	no
346	Basement, Parking Lot	East	door	metal	intact	dark brown	<LOD	no	no
347	Basement, Parking Lot	East	door frame	metal	intact	dark brown	<LOD	no	no
348	Basement, Parking Lot	East	wall	CMU	fair	beige	<LOD	no	no
349	Basement, Parking Lot	East	wall	concrete	intact	beige	<LOD	no	no
350	Basement, Parking Lot	East	conduit pipe	metal	intact	beige	<LOD	no	no
351	Basement, Parking Lot	South	door	metal	intact	dark brown	<LOD	no	no
352	Basement, Parking Lot	South	door frame	metal	intact	dark brown	0.01 ± 0.05	no	yes
353	Basement, Parking Lot	South	wall	CMU	fair	beige	<LOD	no	no
354	Basement, Parking Lot	South	wall	concrete	intact	beige	<LOD	no	no
355	Basement, Parking Lot	South	conduit pipe	metal	intact	beige	<LOD	no	no
356	Basement, Parking Lot	West	wall	CMU	intact	beige	0.02 ± 0.10	no	yes
357	Basement, Parking Lot	West	beam	metal	intact	yellow	<LOD	no	no
358	Basement, Parking Lot	West	wall	concrete	intact	beige	<LOD	no	no
359	Basement, Parking Lot	West	door	metal	intact	dark brown	<LOD	no	no
360	Basement, Parking Lot	West	door frame	metal	intact	dark brown	<LOD	no	no
361	Basement, Parking Lot	West	column	concrete	intact	beige	<LOD	no	no
362	Basement, Parking Lot	East	column	concrete	fair	beige	<LOD	no	no
363	Basement, Parking Lot	South	column	concrete	intact	beige	<LOD	no	no
364	Basement, Parking Lot	West	column saver	metal	intact	yellow	0.05 ± 0.22	no	yes
365	**Basement, Parking Lot**	**West**	**parking lines floor**	**concrete**	**fair**	**yellow**	**3.40 ± 2.30**	**yes**	**yes**
366	**Basement, Parking Lot**	**South**	**parking stall lines**	**gypboard**	**intact**	**yellow**	**1.50 ± 0.50**	**yes**	**yes**
367	Basement, Parking Lot	North	parking stall lines	concrete	fair	red	0.70 ± 0.20	no	yes
368	Basement, Parking Lot	South	curbing	concrete	fair	red	0.40 ± 0.10	no	yes
369	Basement, Parking Lot	East	parking stall lines	concrete	intact	black	0.30 ± 0.16	no	yes
370	Basement, Stair 4	West	door frame	metal	intact	dark brown	<LOD	no	no
371	Basement, Stair/Elevator 4	West	door	metal	intact	dark brown	<LOD	no	no
372	Basement, Stair/Elevator 4	West	wall	concrete	intact	beige	<LOD	no	no
373	1st Fl, Stair/Elevator 4	North	door	metal	intact	dark brown	<LOD	no	no
374	1st Fl, Stair/Elevator 4	North	door frame	metal	intact	dark brown	<LOD	no	no
375	2nd Fl, Stair/Elevator 4	North	wall	concrete	intact	beige	<LOD	no	no
376	2nd Fl, Stair/Elevator 4	East	wall	concrete	intact	beige	0.01 ± 0.07	no	yes
377	2nd Fl, Stair/Elevator 4	East	water pipe	metal	intact	beige	<LOD	no	no
378	3rd Fl, Stair/Elevator 4	South	railing	metal	intact	dark brown	<LOD	no	no
379	3rd Fl, Stair/Elevator 4	South	wall	concrete	intact	beige	0.02 ± 0.12	no	yes
380	4th Fl, Stair/Elevator 4	South	elevator door	metal	intact	dark brown	<LOD	no	no
381	4th Fl, Stair/Elevator 4	South	door frame	metal	intact	dark brown	<LOD	no	no
382	Basement, Stair/Elevator 4		ceiling	concrete	intact	beige	<LOD	no	no
383	Basement, Electrical Room	North	door	metal	fair	dark brown	<LOD	no	no
384	Basement, Electrical Room	North	door frame	metal	intact	dark brown	0.11 ± 0.33	no	yes
385	Basement, Electrical Room	North	wall	concrete	intact	beige	0.13 ± 0.51	no	yes
386	NULL								
387	Basement, Electrical Room	North	column	metal	intact	beige	<LOD	no	no
388	Basement, Electrical Room	North	air duct	metal	intact	beige	<LOD	no	no
389	Basement, Electrical Room	East	wall	CMU	intact	peach	<LOD	no	no
390	Basement, Electrical Room	East	wall	concrete	fair	peach	<LOD	no	no
391	Basement, Electrical Room	East	electrical box	metal	intact	gray	0.01 ± 0.07	no	yes
392	Basement, Electrical Room	South	wall	CMU	intact	peach	<LOD	no	no
393	Basement, Electrical Room	South	conduit pipe	metal	intact	peach	<LOD	no	no
394	Basement, Electrical Room	South	electrical box	metal	intact	beige	<LOD	no	no
395	Basement, Electrical Room	West	door	metal	intact	dark brown	<LOD	no	no
396	Basement, Electrical Room	West	door frame	metal	intact	dark brown	<LOD	no	no
397	Basement, Electrical Room	West	wall	CMU	intact	peach	<LOD	no	no
398	Basement, Electrical Room	West	wall	concrete	intact	peach	<LOD	no	no
399	Basement, Electrical Room		ceiling	concrete	fair	white	<LOD	no	no
400	Basement, Electrical Room		fire sprinkler	metal	fair	red	<LOD	no	no
401	Basement, Pump Room	North	wall	CMU	intact	peach	<LOD	no	no
402	Basement, Pump Room	North	conduit pipe	metal	intact	beige	<LOD	no	no

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Judiciary Condition Assessment
Ka'ahumanu Hale

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403	Basement, Pump Room	East	wall	concrete	intact	peach	<LOD	no	no
404	Basement, Pump Room	South	wall	concrete	intact	peach	<LOD	no	no
405	Basement, Pump Room	South	conduit pipe	metal	intact	beige	<LOD	no	no
406	Basement, Pump Room	South	electrical box	metal	intact	gray	<LOD	no	no
407	Basement, Pump Room	West	wall	concrete	fair	peach	<LOD	no	no
408	Basement, Pump Room	West	door	metal	intact	dark brown	0.03 ± 0.23	no	yes
409	Basement, Pump Room	West	door frame	metal	intact	dark brown	<LOD	no	no
410	Basement, Pump Room		pipe	metal	intact	red	<LOD	no	no
411	Basement, Stair/Elevator 3	North	door	metal	intact	dark brown	0.01 ± 0.03	no	yes
412	Basement, Stair/Elevator 3	North	door frame	metal	intact	dark brown	0.01 ± 0.06	no	yes
413	1st Fl, Stair/Elevator 3	North	failing	metal	intact	dark brown	0.02 ± 0.08	no	yes
414	1st Fl, Stair/Elevator 3	North	wall	concrete	intact	beige	<LOD	no	no
415	2nd Fl, Stair/Elevator 3	East	wall	concrete	intact	beige	<LOD	no	no
416	2nd Fl, Stair/Elevator 3	East	water pipe	metal	intact	beige	<LOD	no	no
417	3rd Fl, Stair/Elevator 3	South	wall	concrete	intact	beige	<LOD	no	no
418	3rd Fl, Stair/Elevator 3	South	door	metal	intact	dark brown	<LOD	no	no
419	3rd Fl, Stair/Elevator 3	South	door frame	metal	intact	dark brown	<LOD	no	no
420	4th Fl, Stair/Elevator 3	West	wall	gypboard	intact	beige	<LOD	no	no
421	4th Fl, Stair/Elevator 3	West	ceiling	concrete	intact	white	0.03 ± 0.08	no	yes
422	4th Fl, Stair/Elevator 3		fire sprinkler line	metal	intact	beige	0.02 ± 0.06	no	yes
423	4th Fl, Stair/Elevator 2	North	door	metal	intact	dark brown	<LOD	no	no
424	4th Fl, Stair/Elevator 2	North	door frame	metal	intact	dark brown	<LOD	no	no
425	3rd Fl, Stair/Elevator 2	North	wall	concrete	intact	beige	<LOD	no	no
426	3rd Fl, Stair/Elevator 2	East	railing	metal	intact	dark brown	<LOD	no	no
427	2nd Fl, Stair/Elevator 2	East	wall	concrete	intact	beige	0.01 ± 0.03	no	yes
428	2nd Fl, Stair/Elevator 2	East	water pipe	metal	intact	beige	<LOD	no	no
429	1st Fl, Stair/Elevator 2	South	wall	concrete	intact	beige	<LOD	no	no
430	1st Fl, Stair/Elevator 2	South	conduit pipe	metal	intact	beige	0.01 ± 0.04	no	yes
431	1st Fl, Stair/Elevator 2	South	door	metal	intact	dark brown	<LOD	no	no
432	1st Fl, Stair/Elevator 2	South	door frame	metal	intact	dark brown	<LOD	no	no
433	Basement, Stair/Elevator 2	West	wall	concrete	intact	beige	<LOD	no	no
434	Basement, Stair/Elevator 2		ceiling	concrete	intact	beige	<LOD	no	no
435	Basement, Stair/Elevator 2		fire sprinkler	metal	intact	beige	<LOD	no	no
436	Basement, Evidence Cage	North	wall	concrete	intact	beige	<LOD	no	no
437	NULL								
438	Basement, Evidence Cage	North	electrical box	metal	intact	gray	<LOD	no	no
439	Basement, Evidence Cage	North	conduit pipe	metal	intact	beige	<LOD	no	no
440	Basement, Evidence Cage	East	wall	concrete	peeling	beige	<LOD	no	no
441	Basement, Evidence Cage	South	wall	concrete	peeling	beige	<LOD	no	no
442	Basement, Evidence Cage	West	wall	CMU	intact	beige	<LOD	no	no
443	Basement, Evidence Cage	West	column	concrete	intact	beige	<LOD	no	no
444	Basement, Evidence Cage		ceiling	concrete	intact	white	<LOD	no	no
445	Basement, Evidence Cage	West	cage/gate	metal	fair	brown	0.06 ± 0.08	no	yes
446	Basement, Evidence Cage	West	door frame	metal	intact	brown	0.28 ± 0.29	no	yes
447	Basement, General File Room	North	wall	gypboard	intact	beige	<LOD	no	no
448	Basement, General File Room	East	wall	CMU	intact	beige	<LOD	no	no
449	Basement, General File Room	East	column	concrete	intact	beige	<LOD	no	no
450	Basement, General File Room	South	door	metal	intact	dark brown	<LOD	no	no
451	Basement, General File Room	South	door frame	metal	intact	dark brown	<LOD	no	no
452	Basement, General File Room	South	stairs	concrete	fair	beige	<LOD	no	no
453	Basement, General File Room	West	wall	concrete	intact	beige	<LOD	no	no
454	Basement, General File Room	West	door	metal	intact	dark brown	<LOD	no	no
455	Basement, General File Room	West	door frame	metal	intact	dark brown	0.01 ± 0.08	no	yes
456	Basement, Drug Evidence Room	North	wall	concrete	intact	beige	<LOD	no	no
457	Basement, Drug Evidence Room	North	door frame	metal	intact	dark brown	<LOD	no	no
458	Basement, Drug Evidence Room	North	door	metal	intact	dark brown	0.01 ± 0.06	no	yes
459	Basement, Drug Evidence Room	East	wall	concrete	intact	beige	<LOD	no	no
460	NULL								
461	Basement, Drug Evidence Room	East	wall	CMU	intact	beige	<LOD	no	no
462	Basement, Drug Evidence Room	South	wall	concrete	spaulding	beige	<LOD	no	no
463	Basement, Drug Evidence Room	South	water pipe	metal	fair	beige	<LOD	no	no
464	Basement, Drug Evidence Room	West	wall	concrete	intact	beige	0.09 ± 0.16	no	yes

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Judiciary Condition Assessment
Ka'ahumanu Hale

XRF#	Location	Side	Component	Substrate	Condition	Color	PbC (mg/cm²)	Lead-Based Paint	Confirmed Lead-Containing Paint
465	Basement, Stair/Elevator 5	North	stairs	concrete	intact	beige	<LOD	no	no
466	Basement, Stair/Elevator 5	North	door	metal	intact	dark brown	<LOD	no	no
467	1st Fl, Stair/Elevator 5	North	door frame	metal	intact	dark brown	<LOD	no	no
468	1st Fl, Stair/Elevator 5	East	wall	concrete	intact	beige	<LOD	no	no
469	2nd Fl, Stair/Elevator 5	East	conduit pipe	metal	intact	beige	<LOD	no	no
470	2nd Fl, Stair/Elevator 5	East	railing	metal	intact	dark brown	0.02 ± 0.12	no	yes
471	3rd Fl, Stair/Elevator 5	West	wall	concrete	intact	beige	<LOD	no	no
472	3rd Fl, Stair/Elevator 5	West	door	metal	intact	dark brown	<LOD	no	no
473	3rd Fl, Stair/Elevator 5	West	door frame	metal	intact	dark brown	0.01 ± 0.04	no	yes
474	4th Fl, Stair/Elevator 5		ceiling	concrete	intact	beige	<LOD	no	no
475	4th Fl, Stair/Elevator 5		fire sprinkler	metal	intact	beige	0.01 ± 0.07	no	yes
476	4th Fl, Stair/Elevator 5		railing	metal	intact	dark brown	<LOD	no	no
477	3rd Fl, Stair 6		railing	metal	intact	dark brown	<LOD	no	no
478	3rd Fl, Stair 6	North	wall	concrete	intact	beige	<LOD	no	no
479	2nd Fl, Stair 6	East	wall	concrete	intact	beige	0.03 ± 0.20	no	yes
480	1st Fl, Stair 6	South	wall	concrete	intact	beige	<LOD	no	no
481	Basement, Stair 6	West	wall	concrete	intact	beige	<LOD	no	no
482	Basement, Stair 6	South	door	metal	intact	dark brown	<LOD	no	no
483	Basement, Stair 6	South	door frame	metal	intact	dark brown	<LOD	no	no
484	Basement, Cell Block 1	North	wall	concrete	intact	beige	<LOD	no	no
485	Basement, Cell Block 2	East	wall	concrete	intact	beige	<LOD	no	no
486	Basement, Cell Block 2	South	wall	concrete	intact	beige	0.01 ± 0.04	no	yes
487	Basement, Cell Block 2	West	wall	concrete	fair	beige	<LOD	no	no
488	Basement, Cell Block 2	East	door	metal	peeling	dark brown	<LOD	no	no
489	Basement, Cell Block 2	North	door frame	metal	peeling	dark brown	<LOD	no	no
490	Basement, Control Room	East	window frame	metal	fair	dark brown	<LOD	no	no
491	Basement, Control Room	North	wall	concrete	intact	beige	<LOD	no	no
492	Basement, Control Room		beam	concrete	fair	white	<LOD	no	no
493	Basement, Control Room	South	wall	concrete	intact	beige	<LOD	no	no
494	Basement, Control Room	North	door	wood	intact	dark brown	<LOD	no	no
495	Basement, Control Room	North	door frame	wood	intact	dark brown	<LOD	no	no
496	Basement, Control Room	West	wall	concrete	intact	beige	<LOD	no	no
497	Basement, Control Room Restroom	North	wall	concrete	intact	beige	<LOD	no	no
498	Basement, Control Room Restroom	South	door	wood	intact	dark brown	<LOD	no	no
499	Basement, Control Room Restroom	South	door frame	wood	intact	brown	<LOD	no	no
500	Basement, Control Room Restroom	South	fire sprinkler	metal	intact	beige	<LOD	no	no
501	Basement, Control Room Restroom		ceiling	concrete	intact	beige	<LOD	no	no
502	Basement, Control Room		ceiling	concrete	intact	beige	<LOD	no	no
503	Basement, Maintenance Room	North	wall	concrete	intact	beige	<LOD	no	no
504	NULL								
505	Basement, Maintenance Room	North	conduit pipe	metal	intact	beige	<LOD	no	no
506	Basement, Maintenance Room	North	air duct	metal	intact	beige	<LOD	no	no
507	Basement, Maintenance Room	East	wall	concrete	intact	beige	<LOD	no	no
508	Basement, Maintenance Room	East	pipe	metal	intact	beige	<LOD	no	no
509	Basement, Maintenance Room	South	door	metal	intact	dark brown	<LOD	no	no
510	Basement, Maintenance Room	South	door frame	metal	intact	dark brown	<LOD	no	no
511	Basement, Maintenance Room	South	wall	concrete	intact	beige	0.02 ± 0.12	no	yes
512	Basement, Maintenance Room	West	wall	concrete	intact	beige	0.05 ± 0.11	no	yes
513	Basement, Maintenance Room		ceiling	concrete	intact	white	<LOD	no	no
514	Basement, Maintenance Room		fire sprinkler	metal	intact	off white	0.01 ± 0.04	no	yes
515	NULL								
516	NULL								
517	Calibration						1.00 ± 0.10		
518	Calibration						1.00 ± 0.10		
519	Calibration						1.00 ± 0.10		

Determination of paint as lead-based paint by the U. S. Department of Housing and Urban Development (HUD) is based on the values in the "**PbC**" column reported in mg/cm^2 (milligrams per square centimeter). HUD regulations; 24 CFR Parts 35, 200, 881, and 886; and Guidelines for the Evaluation and Control of Lead-based Paint (LBP) Hazards in Housing, dated June 1995, define LBP as paint with a lead content of 1.0 mg/cm^2 or greater. <LOD = less than instrument level of detection.

However, OSHA and HIOSH regulate activities disturbing paint that contains lead (lead-containing paint), even if the content is below the HUD standard.

EnvironMETeo (EMET) Services, Inc. Waipio Gentry Business Park 94-520 Uke'e Street, SuiteA Waipahu, Hawaii, USA 96797-4200
(808) 671-8383...Telephone (808) 671-7979...Facsimile emet@emetservices.com...Email

Laboratory Report

Painted Surfaces Total Elemental Lead Analyses
by X-Ray Fluorescence

EMET ID: 1511498 **Test Date: September 14, 2017**

Judiciary Condition Assessment
Ka'ahumanu Hale

XRF#	Location	Side	Component	Substrate	Condition	Color	PbC (mg/cm^2)	Lead-Based Paint	Confirmed Lead-Containing Paint
517	Calibration						1.00 ± 0.10		
518	Calibration						1.00 ± 0.10		
519	Calibration						1.00 ± 0.10		
520	Exterior	North	wall	concrete	fair	beige	0.60 ± 0.40	no	yes
521	Exterior	West	wall	concrete	intact	beige	0.01 ± 0.03	no	yes
522	Exterior	West	door	metal	intact	dark brown	<LOD	no	no
523	Exterior	West	door frame	metal	intact	dark brown	<LOD	no	no
524	Exterior	South	column	concrete	intact	beige	0.50 ± 0.50	no	yes
525	Exterior		ceiling	plaster	intact	white	<LOD	no	no
526	Exterior	East	wall	concrete	intact	beige	<LOD	no	no
527	Exterior	South	door	metal	intact	dark brown	<LOD	no	no
528	Exterior	South	door frame	metal	intact	dark brown	<LOD	no	no
529	Exterior	North	column	concrete	intact	beige	<LOD	no	no
530	Exterior	North	garage door frame	metal	poor	salmon	0.01 ± 0.02	no	yes
531	Exterior	North	wall	concrete	intact	beige	<LOD	no	no
532	Exterior	East	door	metal	intact	dark brown	<LOD	no	no
533	Exterior	East	door frame	metal	intact	dark brown	<LOD	no	no
534	Exterior	East	planter box cover	wood	poor	beige	<LOD	no	no
535	Exterior	East	walkway ceiling	concrete	intact	white	<LOD	no	no
536	Exterior	West	gate	metal	poor	black	<LOD	no	no
537	Exterior	West	gate frame	metal	poor	black	<LOD	no	no
538	Exterior	West	garage ceiling	concrete	intact	white	<LOD	no	no
539	Exterior		beam	concrete		white	<LOD	no	no
540	Calibration						1.00 ± 0.10		
541	NULL								
542	Calibration						1.00 ± 0.10		
543	Calibration						0.90 ± 0.10		

Determination of paint as lead-based paint by the U. S. Department of Housing and Urban Development (HUD) is based on the values in the "**PbC**" column reported in mg/cm^2 (milligrams per square centimeter). HUD regulations; 24 CFR Parts 35, 200, 881, and 886; and Guidelines for the Evaluation and Control of Lead-based Paint (LBP) Hazards in Housing, dated June 1995, define LBP as paint with a lead content of 1.0 mg/cm^2 or greater. <LOD = less than instrument level of detection.

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Appendix D

Certifications

EnvironMETeo (EMET) Services, Inc. Waipio Gentry Business Park 94-520 Uke'e Street, SuiteA Waipahu, Hawaii, USA 96797-4200
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United States Department of Commerce
National Institute of Standards and Technology

Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 101807-0

EnvironMETeo Services Inc.

Waipahu, HI

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

Asbestos Fiber Analysis

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2017-07-01 through 2018-06-30

Effective Dates

DEPARTMENT OF COMMERCE * UNITED STATES OF AMERICA *

For the National Voluntary Laboratory Accreditation Program

STATE OF HAWAI'I

DEPARTMENT OF HEALTH

Lead-Based Paint Activities Firm Certification

THIS IS TO CERTIFY THAT

EnvironMETeo Services, Inc.

has fulfilled the requirements of Chapter 11-41 Hawaii Administrative Rules and the Toxic Substance Control Act (TSCA) Section 402(a)(2), and has received certification as a firm pursuant to §11-41-4, HAR to conduct lead-based paint activities in Hawaii.

This certification is valid from the date of issuance and expires on **JUNE 19, 2018**.

Date of Issue: **MAY 14, 2015**
Certification # **PBF-0024**

FOR DIRECTOR OF HEALTH

NON-TRANSFERABLE

REVOCABLE FOR CAUSE

End of Report

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