

HCD KAUAHALE KAKAAKO PARKING GARAGE - MODERNIZE TWO PASSENGER ELEVATORS

860 HALEKAUWILA STREET, KAKAAKO, HONOLULU, HAWAII, 96813

TMK: 2-1-050:013

PERMIT SET

APRIL 12, 2024

PALEKANA PERMITS
THIRD PARTY CERTIFICATION

Building Code Electrical Code

Mechanical Code ZPRB (Land use Ordinance)

Structural (Non-Single / 2-Family Dwellings)

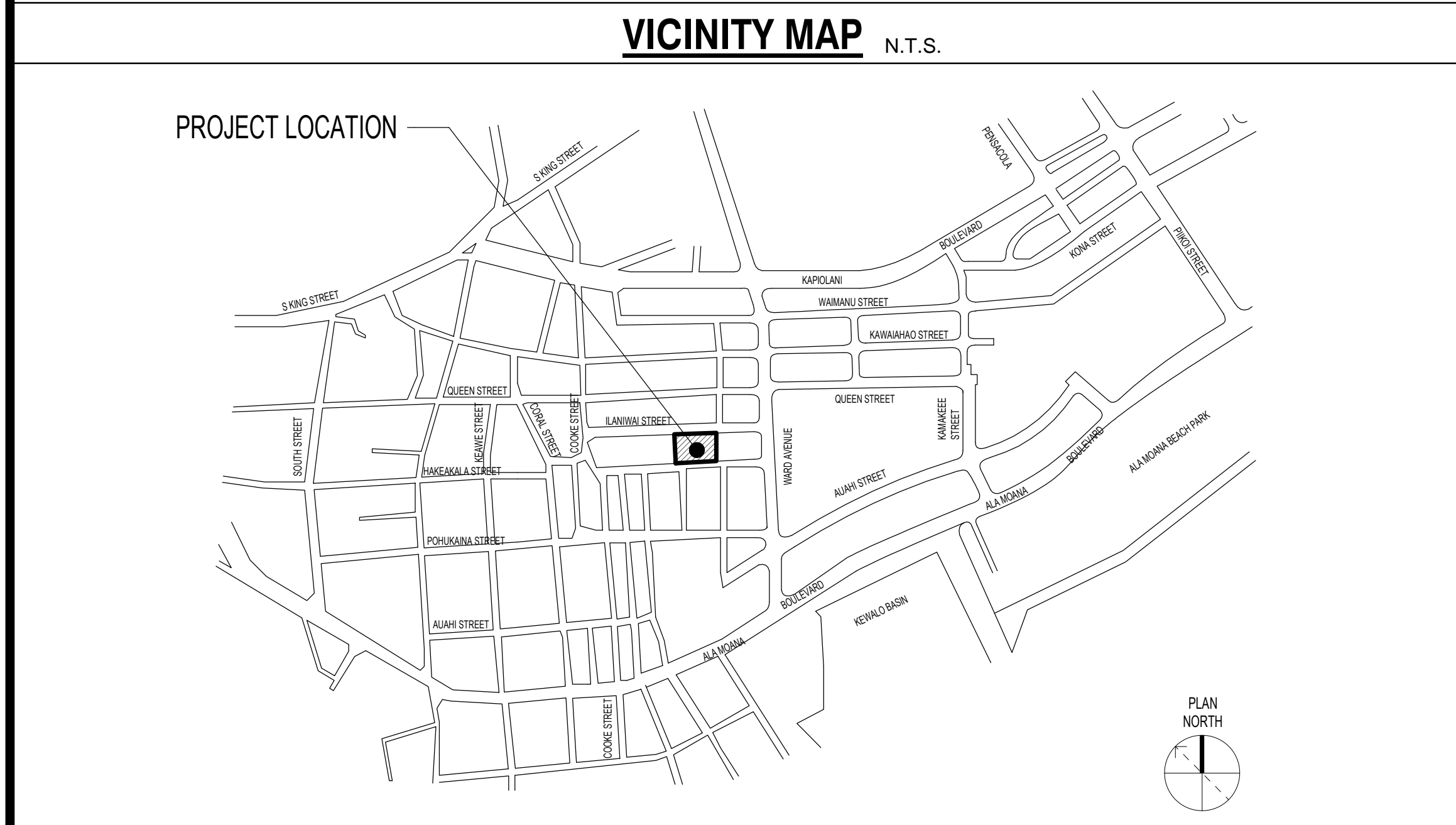
CITY AND COUNTY OF HONOLULU
DEPARTMENT OF PLANNING AND PERMITTING

APPROVED

The issuance hereunder of any permit or approval of plans, specifications, and other data shall not be construed to be a permit for, or approval of, any violation of any provisions of this code or of any other law. The issuance of a permit shall not prevent the building official from thereafter requiring the correction of errors in the plans and specifications or from halting building operations when in violation of the provisions of said chapters and this chapter or of any other law; nor shall it prevent the institute of criminal action and the imposition of penalty as prescribed under Section 18-7.1 hereof for violation of any of the provisions of said chapters and this chapter.

APPROVED DATE: 4/29/2025
BY: Xi Jing Fang

RMA ARCHITECTS INC.
T 808 591 1818 F 808 591 1618
1150 S. KING STREET, 8TH FLOOR, HONOLULU, HAWAII 96814



PROJECT TEAM

OWNER:
HAWAII COMMUNITY DEVELOPMENT AUTHORITY
547 Queen Street
Honolulu, Hawaii 96813
Phone: (808) 594-0300
Fax: (808) 587-0299

ARCHITECT:
RMA ARCHITECTS INC
1150 S King Street, 8th floor,
Honolulu, Hawaii 96814
Phone: (808) 591-1818
Fax: (808) 591-1618

ELECTRICAL & FIRE PROTECTION:
INSYNERGY ENGINEERING INC
828 Fort Street St # 500,
Honolulu, HI 96813
Phone: (808) 521-3773
Fax: (808) 521-3993

STRUCTURAL:
BALDRIDGE & ASSOCIATES STRUCTURAL ENGINEERING
1164 Bishop Street, Suite 600
Honolulu, Hawaii 96813
Phone: (808) 534-1300
Fax: (808) 534-1301

ELEVATOR CONSULTANT:
INNOVATIVE ELEVATOR CONSULTING
603 Wylie Street
Honolulu, HI 96817
Phone: (808) 349-4751

IECC CODE BLOCK

CITY AND COUNTY OF HONOLULU
REVISED ORDINANCES OF HONOLULU 2021
CHAPTER 16B

To the best of my knowledge, this project's design substantially conforms to the Building Energy Conservation Code for:

Building Component Systems
 Electrical Component Systems
 Mechanical Component Systems

Signature: *Brent Tokita* Date: MARCH 27, 2024
Name: BRENT TOKITA
Title: ARCHITECT
License No.: 11750

DATE: 02/20/2024
JOB NO.: 23-014
DRAWN BY: TS
DESIGNED BY: BT

BRENT TOKITA
LICENSED PROFESSIONAL ARCHITECT
No. 11750
Expires: April 30, 2026

This work was prepared by me or under my supervision and construction of this project will be under my observation. (Observation of construction as defined in the current Hawaii Administrative Rules "Professional Engineers, Architects, Surveyors and Landscape Architects.")

Brent Tokita
Signature

REV.	DATE	DESCRIPTION	BY

SYMBOLS & REFERENCES

SYMBOLS

- # DEMO WORK IDENTIFICATION SYMBOL
- # NEW WORK IDENTIFICATION SYMBOL
- ROOM NAME → EXST ROOM NAME
- DATUM SYMBOL → LEVEL NAME, NAME, 10'-0" HEIGHT ABOVE PROJECT DATUM
- EXTERIOR ELEVATION → ELEVATION LETTER AND DIRECTION OF VIEW, SHEET NUMBER OF ELEVATION VIEW
- INTERIOR ELEVATION → ELEVATION LETTER AND DIRECTION OF VIEW, KEY TO INTERIOR ELEVATION
- MISCELLANEOUS SYMBOLS → PLAN NORTH, REFERENCE NORTH INDICATOR, TRUE NORTH INDICATOR

SECTION / DETAIL SUBTITLE

1 DRAWING TITLE
SCALE: 1/8" = 1'-0"
SHEET NUMBER OR LETTER ON WHICH DRAWING APPEARS

SECTION / DETAIL CROSS REFERENCE CONVENTIONS

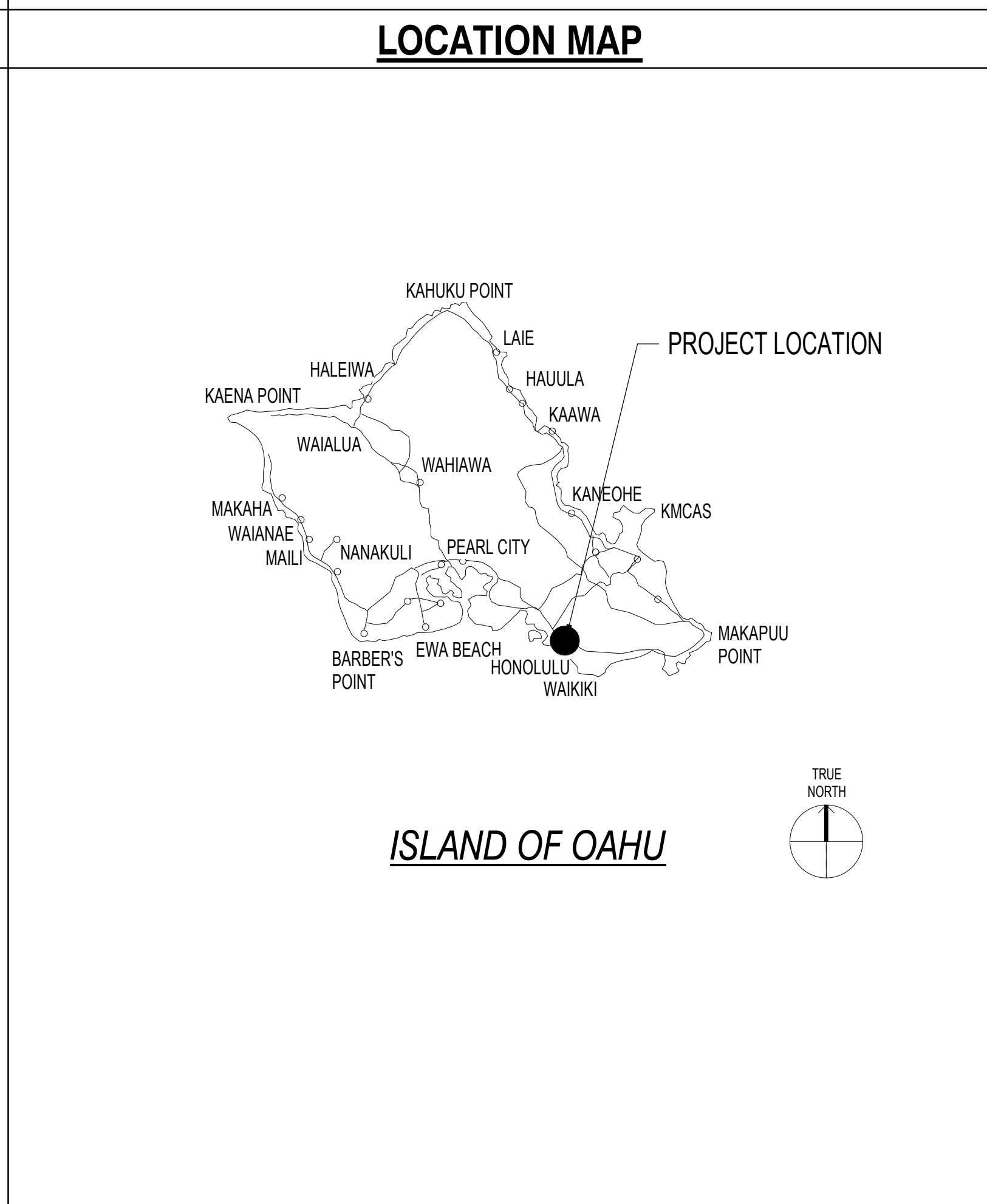
BUILDING SECTION → SECTION IDENTIFICATION NUMBER, DIRECTION OF VIEW, SHEET NUMBER ON WHICH SECTION IS DRAWN

PARTIAL BUILDING SECTION → SECTION IDENTIFICATION NUMBER, DIRECTION OF VIEW, SHEET NUMBER ON WHICH SECTION IS DRAWN

DETAIL REFERENCE → DETAIL IDENTIFICATION NUMBER, SHEET NUMBER ON WHICH DETAIL IS DRAWN, DIRECTION OF VIEW

REVISIONS

REVISION NUMBER, EXTENT OF CURRENT REVISION



APPROVALS

Project: HCD KAUAHALE KAKAAKO PARKING GARAGE
MODERNIZE TWO PASSENGER ELEVATORS
860 HALEKAUWILA STREET, KAKAAKO, HONOLULU, HAWAII, 96813
TMK: 2-1-050:013
Description: TITLE SHEET

SHEET NUMBER
001
1 OF 36 SHEETS

ABBREVIATIONS

Table of abbreviations categorized by letter (A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, R, S, T, U, V, W, X, Y, Z). Includes terms like ANCHOR BOLT, AIR CONDITIONING, SUPPLY AIR REGISTER, etc.

ZONING DATA

PROPERTY INFORMATION

T.M.K.: 2-1-050-013
TOTAL LOT AREA: 71,614.00 SF
ADDRESS: 860 HALEKAUWILA STREET
FLOOD ZONE: AE, X

Table with columns (E)DENSITY, ALLOW/REQ'D, EXISTING. Rows for FLOOR AREA RATIO, FLOOR AREA, TOWER FOOTPRINT.

Table with columns (E)HEIGHT, TOWER, BASE. Rows for TOWER, BASE.

Table with columns SET BACKS, STREET SETBACK, FRONT YARDS, SIDE YARDS.

Table with columns (E)OPEN SPACE, GRADE LEVEL, REC. DECK LEVEL.

Table with columns (E)RECREATION SPACE, INDUSTRIAL, COMMERCIAL, RESIDENTIAL.

Table with columns OFFICESTREET PARKING, INDUSTRIAL, COMMERCIAL, RESIDENTIAL.

102 UNITS @ 0.9 PER 91.80
186 UNITS @ 1.13 PER 176.28
TOTAL 288.00
(E) 5 STORY PARKING STRUCTURE
(E) OCCUPANCY S-2
(E) OCCUPANCY B-1/B-2/R-1
(E) TYPE OF CONSTRUCTION: IFR
OCCUPANCY GROUP: B, R-2 EXISTING
BUILDING IS FULLY SPRINKLERED

FLOOR AREA TABULATION:

Table with columns (E)RESIDENTIAL TOWER, (E)GROUND FLOORS, (E)THIRD FLOOR, (E)FIFTH FLOOR, (E)TOTAL FLOOR AREA.

PARKING TABULATION:

Table with columns (E)INSTALLS PER LEVEL, STANDARD, COMPACT HANDICAP, TOTAL/FLR.

NOTE: EXISTING BUILDING AREA, NO CHANGES.

(E)DWELLING UNIT COUNT

Table with columns TOTAL UNIT COUNT, ONE BEDROOM, TWO BEDROOM, TOTAL.

(SEE CONTINUATION ON RIGHT)

PALEKANA PERMITS THIRD PARTY CERTIFICATION. Includes checkboxes for Building Code, Electrical Code, Mechanical Code, ZPRB (Land use Ordinance), Structural (Non-Single / 2-Family Dwellings).

EXST DWELLING UNIT TABLE COUNT BELOW:

Table with columns FLOOR NO., UNIT-A, UNIT-A1, UNIT-B, UNIT-B1, UNIT-C, UNIT-C1, UNIT-D, UNIT-E, UNIT-E1, UNIT-F, UNIT-G, AREA (SF).

ADA: MOBILITY ACCESSIBILITY UNIT
R: REGULAR UNIT
HV: HEARING/VISUAL UNIT

TOTAL: 165,928.20 SF

INDEX TO DRAWINGS

Table with columns NO., CODE, DESCRIPTION. Categorized into GENERAL, ARCHITECTURAL, STRUCTURAL, FIRE PROTECTION, ELECTRICAL.

CITY AND COUNTY OF HONOLULU DEPARTMENT OF PLANNING AND PERMITTING. APPROVED stamp with permit number 4/29/2025 and signature Xi Jing Fang.

RMA ARCHITECTS INC. 1150 S. KING STREET, 8TH FLOOR, HONOLULU, HAWAII 96814.

Professional Engineer/Architect stamp for Brent J. Lee, No. 11750, expires April 30, 2026.

REVISIONS table with columns NO., REVISION, DATE, BY.

Project: HCDA KAUHALE KAKAAKO PARKING GARAGE MODERNIZE TWO PASSENGER ELEVATORS
860 HALEKAUWILA STREET, KAKAAKO, HONOLULU, HAWAII, 96813
TMK: 2-1-050-013

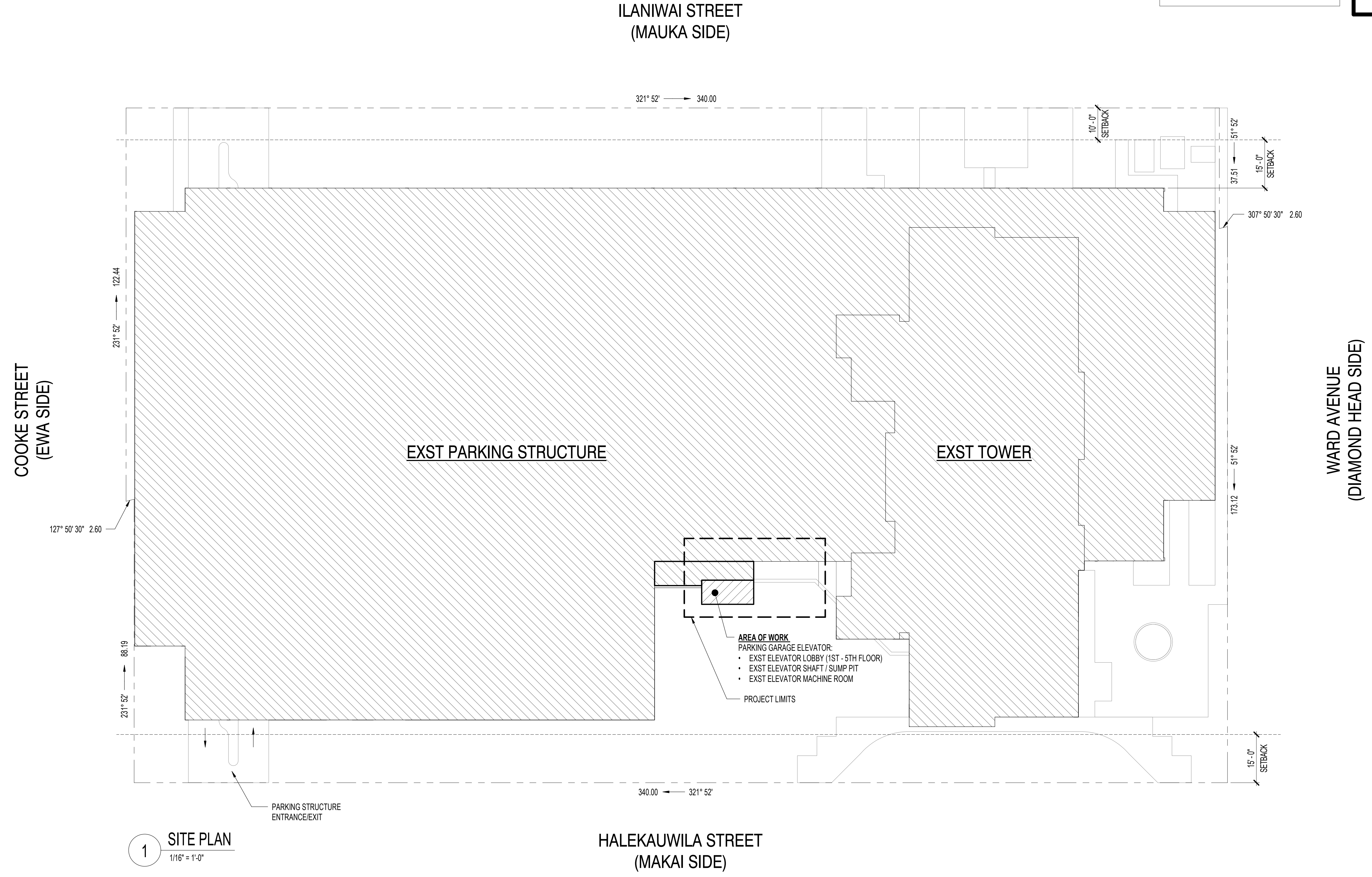
SHEET NUMBER G001. 2 OF 36 SHEETS.

APPROVED

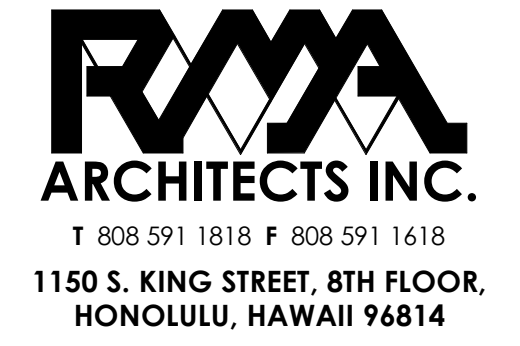
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PERMIT NUMBER: 4/29/2025
APPROVED DATE: 4/29/2025
BY: Xi Jing Fang

- PALEKANA PERMITS
THIRD PARTY CERTIFICATION
- Building Code
 - Electrical Code
 - Mechanical Code
 - ZPRB (Land use Ordinance)
 - Structural (Non-Single / 2-Family Dwellings)



1 SITE PLAN
1/16" = 1'-0"



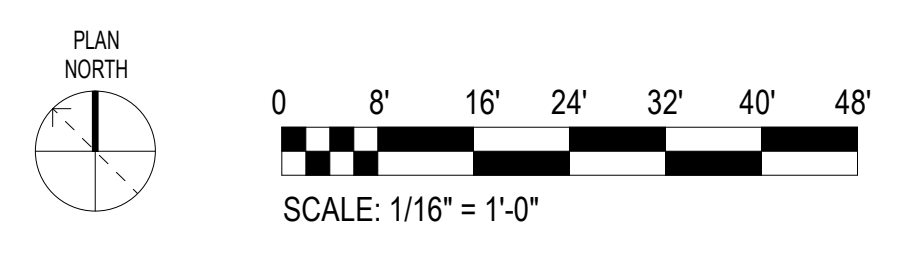
DATE: 02/20/2024
JOB NO.: 23-014
DRAWN BY: TS
DESIGNED BY: BT



This work was prepared by me or under my supervision and construction of this project will be under my observation. (Observation of construction as defined in the current Hawaii Administrative Rules "Professional Engineers, Architects, Surveyors and Landscape Architects.")
Signature: *Brett Tokiwa*

REV.	DATE	DESCRIPTION	BY

Project: HCDA KAUHALE KAKAAKO PARKING GARAGE
MODERNIZE TWO PASSENGER ELEVATORS
860 HALEKAUWILA STREET, KAKAAKO, HONOLULU, HAWAII, 96813
TMK: 2-1-050-013
Description: SITE PLAN



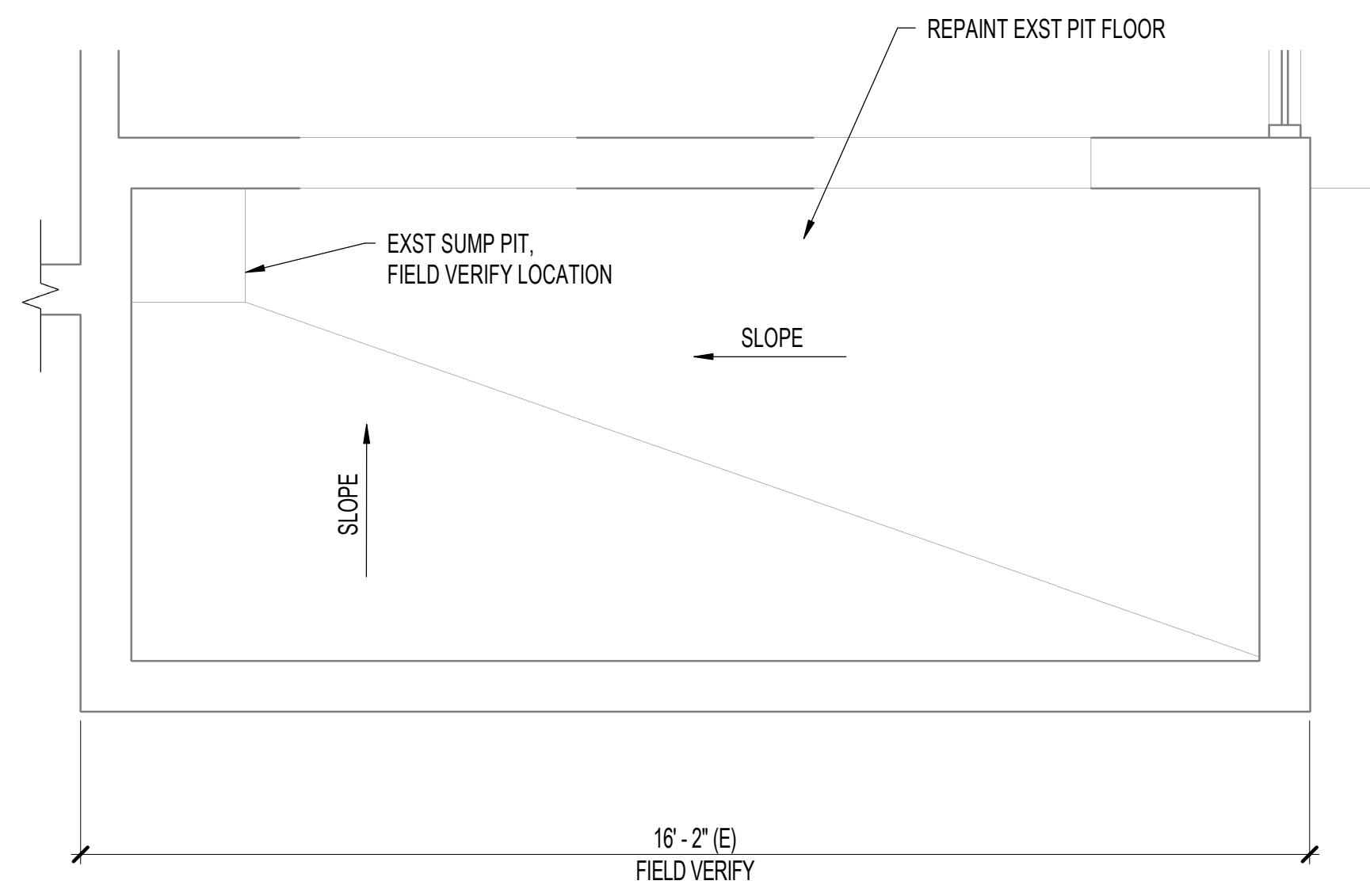
SHEET NUMBER
A001
4 OF 36 SHEETS

APPROVED

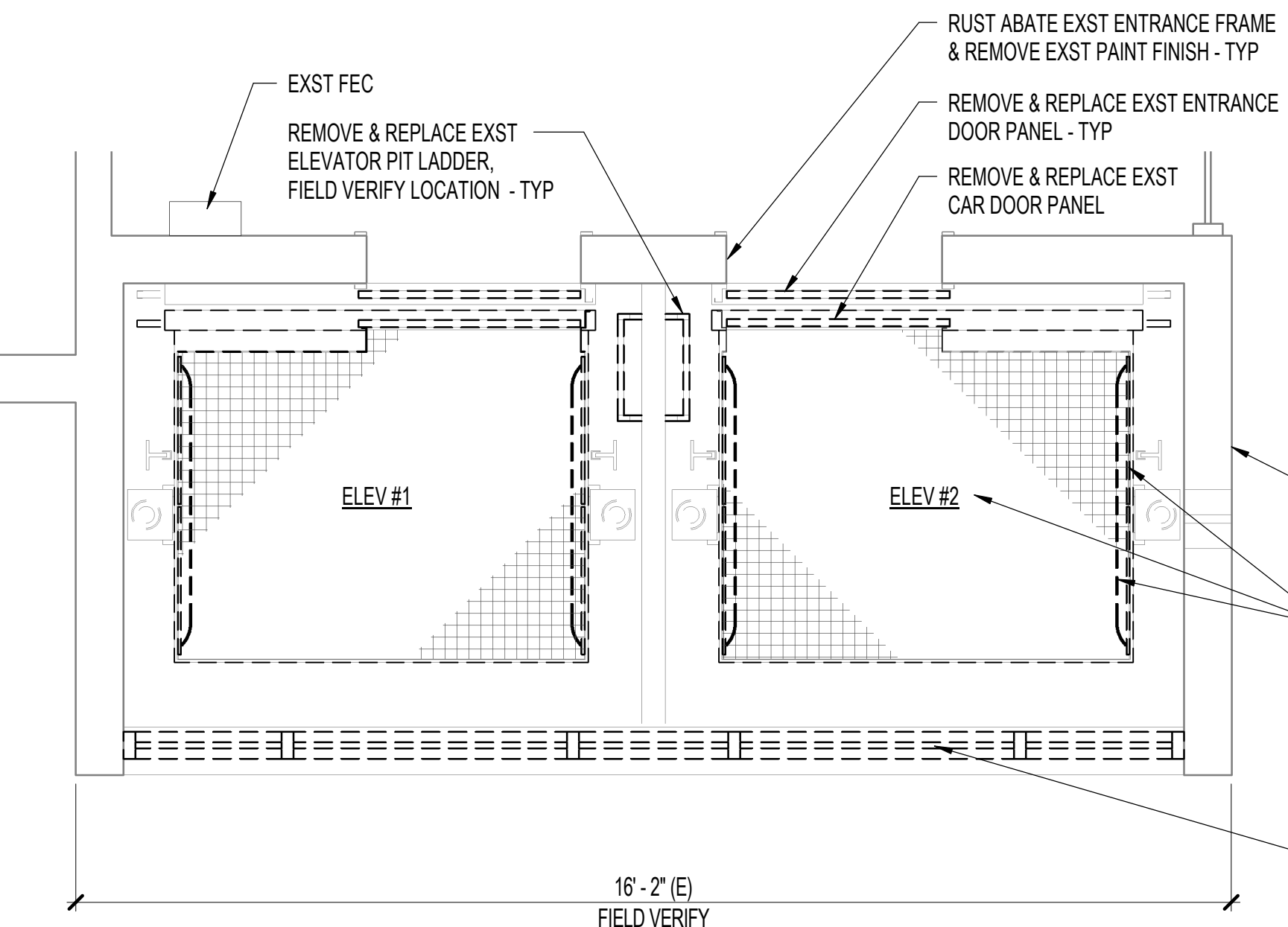
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BY: Xi Jing Fang

- PALEKANA PERMITS
THIRD PARTY CERTIFICATION
- Building Code
 - Electrical Code
 - Mechanical Code
 - ZPRB (Land use Ordinance)
 - Structural (Non-Single / 2-Family Dwellings)



1 EXISTING ELEVATOR PIT PLAN
1/2" = 1'-0"



2 TYPICAL ELEVATOR DEMOLITION PLAN
1/2" = 1'-0"

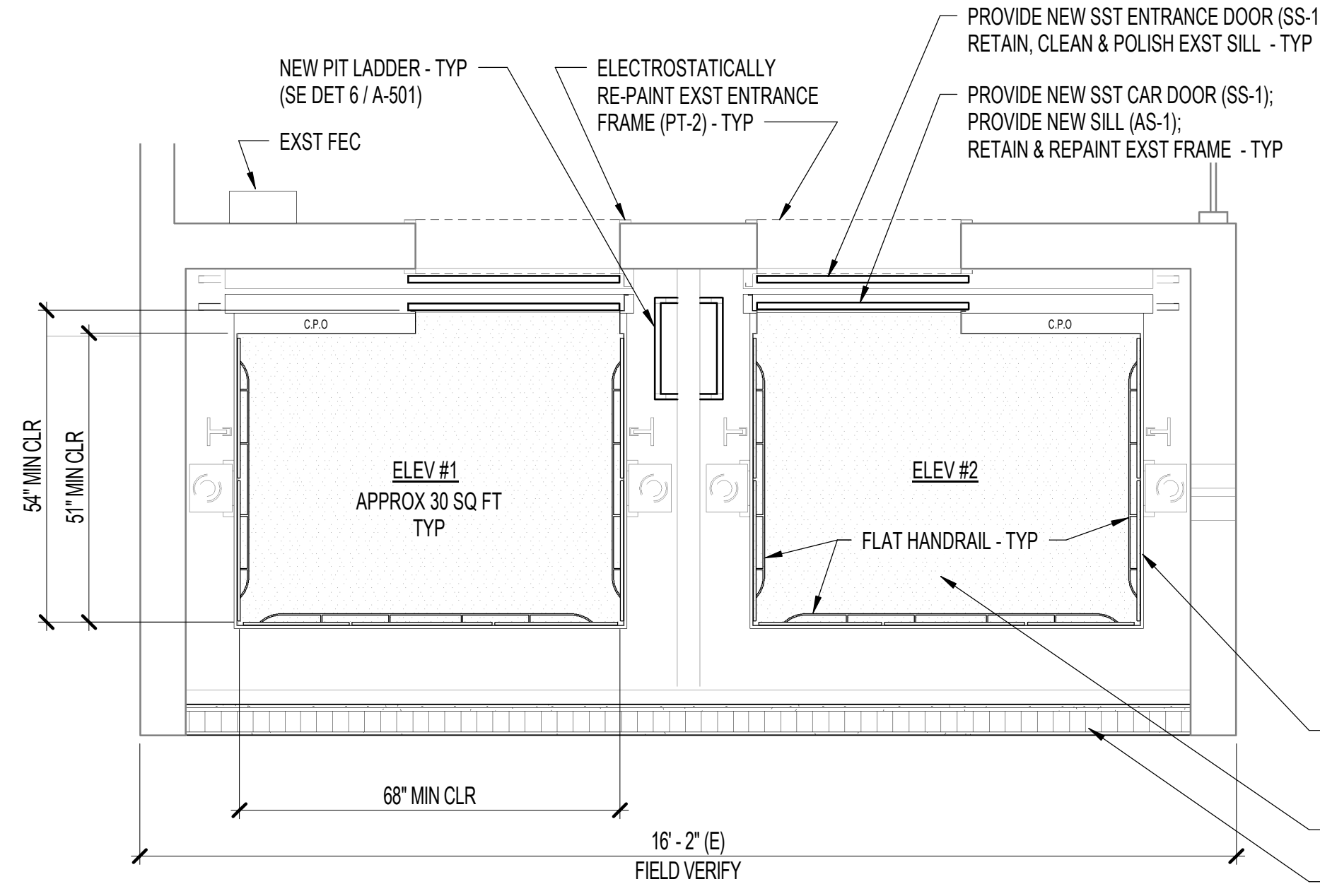
ROOM FINISH SCHEDULE AND COLOR AND MATERIAL SELECTIONS NOTES:

- BRAND NAMES, COLORS, AND CODE NUMBERS ARE LISTED ONLY FOR REFERENCE AND NOT INTENDED TO LIMIT OTHER MANUFACTURERS. COLORS AND PRODUCTS OF OTHER MANUFACTURERS WITH COMPARABLE QUALITY, COLOR, AND TEXTURE ARE ACCEPTABLE.
- PROVIDE FINISHES INDICATED THROUGHOUT THE ENTIRE SPACE UNLESS NOTED OTHERWISE. INTERIOR PAINTING INCLUDES ALL NEW AND EXISTING SURFACES, UNLESS NOTED OTHERWISE.
- INTERIOR WALL COLOR SHALL APPLY TO THE ENTIRE WALL SURFACE, INCLUDING REVEALS, VERTICAL FURRED SPACES, GRILLES, DIFFUSERS, ELECTRICAL PANELS AND ACCESS PANELS, AND PIPING AND CONDUIT ADJACENT TO WALL SURFACES UNLESS OTHERWISE SPECIFIED. ITEMS NOT SPECIFIED ELSEWHERE IN THE DRAWINGS OR SPECIFICATIONS SHALL BE PAINTED TO MATCH ADJACENT WALL SURFACE.
- CEILING COLORS SHALL APPLY TO CEILING SURFACES INCLUDING SOFFITS, FURRED DOWN AREAS, GRILLES, DIFFUSERS, REGISTERS, AND ACCESS PANELS. CEILING COLOR SHALL ALSO APPLY TO FLOOR/ROOF FRAMING, UNDERSIDE OF ROOF DECK, AND CONDUIT AND PIPING WHERE FRAMING AND DECK ARE EXPOSED, AND TO BE PAINTED.
- SEE THE DOOR SCHEDULE FOR DOOR AND DOOR FRAME FINISHES.
- FLOORING TRANSITIONS: UNLESS THRESHOLDS AT DOORS ARE SPECIFIED FOR A SPECIFIC CONDITION, PROVIDE FLOORING TRANSITIONS AT THE FOLLOWING CONDITIONS:
 - WHERE ONE TYPE OF FINISH FLOORING MEETS ANOTHER TYPE OF FINISH FLOORING (I.E. CARPET TO VCT).
- EXPOSED STRUCTURE CONSISTS OF UNDERSIDE OF EXST CONC PLANKS (SOME W/ SPRAY ON INSULATION) AND EXPOSED HVAC.

- ALUMINUM SILL (AS-#)**
- AS-1 OTIS 50AJP ALUM SINGLE-SLIDE OR APPROVED EQUAL
- CEILING PANEL (CP-#)**
- CP-1 SNAPCAB ECONOMY CEILING W/ TRANSLUCENT DIFFUSERS DIVIDED INTO 3 SECTION PANELS PANEL: WHITE, HIGH GLOSS FRAME: SILVER, SATIN (STANDARD OPTION) LIGHTING: LED TUBE LIGHTS
- PLASTIC LAMINATE (PL-#)**
- PL-1 WILSONART HW335 KENSINGTON MAPLE 10776-78 SHEET SIZES: 4x8, 4x10, 5x8, 5x10, 5x12

NOTE:
LISTED PRODUCTS TO ESTABLISH THE BASIS OF QUALITY. APPROVED EQUAL PRODUCTS, ACCEPTED BY THE CONTRACTING OFFICER, OR OTHER MAUFACTURER'S WILL ALSO BE ACCEPTABLE.

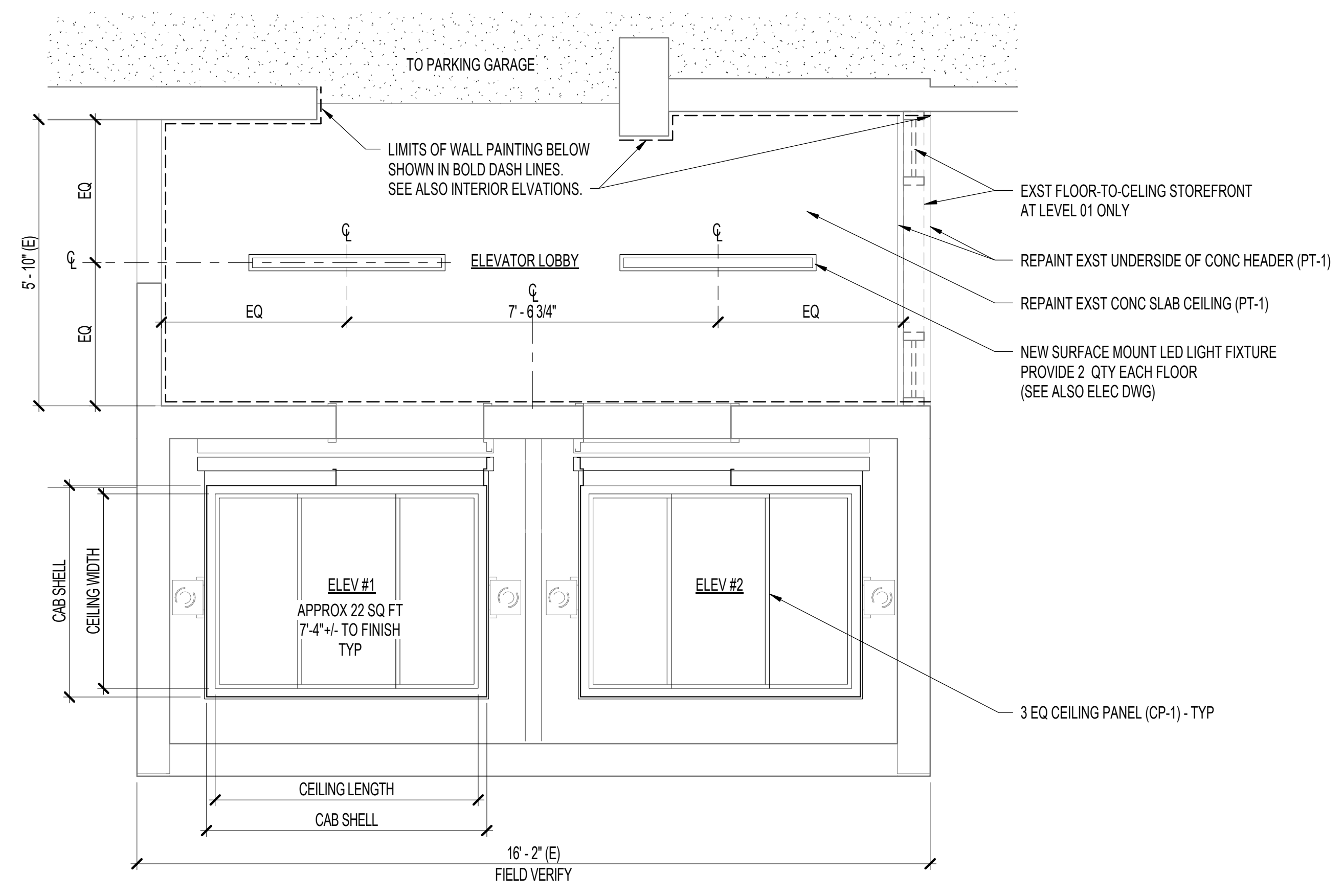
- PAINT (PT-#)**
- PT-1 COLOR: PPG1148-4 LAZY RIVER SHEEN AT WALL: EGGSHELL SHEEN AT CEILING: FLAT (LOBBY WALLS & CEILING)
 - PT-2 COLOR: CM/KK-1208 BIG STONE BEACH PITT-TECH PLUS S/G 4216-0500L01 [COLOR TO MATCH ADJACENT EXST DOOR OR RAILING] SHEEN: SEMI-GLOSS
- RUBBER FLOORING (RF-#)**
- RF-1 RUBBER FLOORING INC PRE-CUT ROLL RUBBER COIN NITRO COLOR: STAINLESS STEEL OR GRAY ROLL LENGTH: 5' x 7.5' STANDARD GRADE
- STAINLESS STEEL (SS-#)**
- SS-1 STAINLESS STEEL, SATIN (SEE ALSO ELEVATOR SPECS)
 - SS-2 STAINLESS STEEL, BRUSHED (SS#4) (SEE ALSO ELEVATOR SPECS)



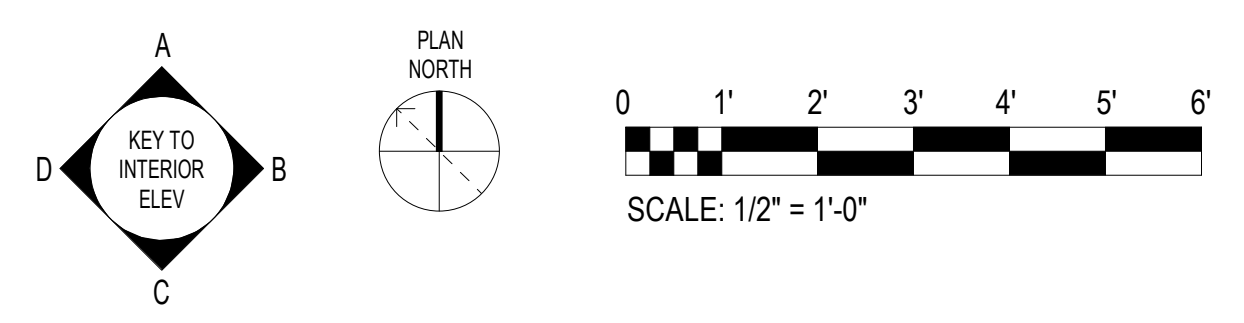
- NOTES:**
- SEE SPECIFICATIONS FOR MORE INFO ON ELEVATOR CAR ENCLOSURE, CAR & DOOR EQUIPMENT, HOISTWAY ENTRANCE & EQUIPMENT.
 - PROVIDE NEW LOBBY FIXTURES (HALL CALL STATIONS, PHASE I SWITCH, KEYBOX), FIREFIGHTER'S INSTRUCTIONS, AND RELATED WIRING AND ACCESSORIES.
 - PROVIDE NEW SIGNAL FIXTURES (CAR OPERATING PANEL, HALL PUSHBUTTON STATIONS, FIREFIGHTER'S SERVICE (RECALL) SWITCH, IN-CAR LANTERNS, FIRE ALARM SPEAKER, EMERGENCY COMMUNICATOR, ACCESS, FIXTURE MANUFACTURER).

- INSTALL NEW STANDARD ELEVATOR CAR FRAME, DOOR OPERATOR, CAR DOOR PANEL, ENCLOSURE, INTERIOR FINISHES
- WALL INFILL (SEE SECTION 2 / A-301)

3 TYPICAL ELEVATOR PLAN
1/2" = 1'-0"



4 TYPICAL LOBBY & ELEVATOR REFLECTED CEILING PLAN
1/2" = 1'-0"



RMA ARCHITECTS INC.
T 808 591 1818 F 808 591 1618
1150 S. KING STREET, 8TH FLOOR, HONOLULU, HAWAII 96814

DATE: 02/20/2024
JOB NO.: 23-014
DRAWN BY: KO
DESIGNED BY: BT

Expires: April 30, 2026

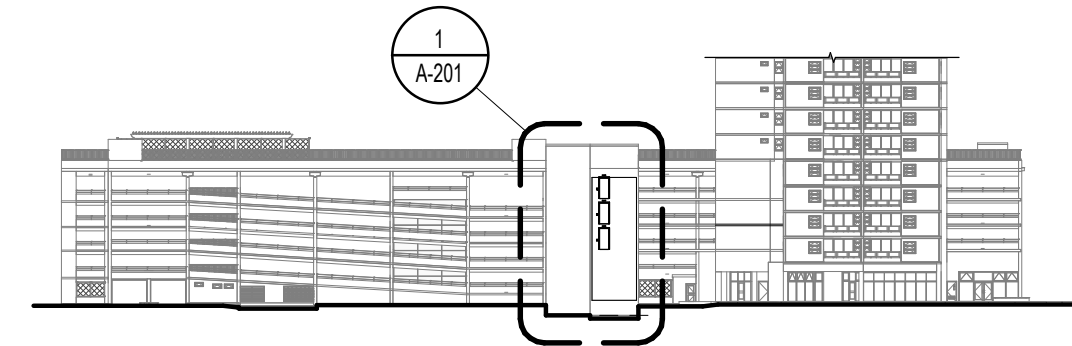
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Xi Jing Fang
Signature

NO.	REVISIONS	DATE	BY	DESCRIPTION

Project: HCDA KAUAHOLE KAKAOKO PARKING GARAGE MODERNIZE TWO PASSENGER ELEVATORS
860 HALEKAUWILA STREET, KAKAOKO, HONOLULU, HAWAII, 96813
TMK: 2-1-050-013
Description: ELEVATOR PLANS

SHEET NUMBER
A102
6 OF 36 SHEETS

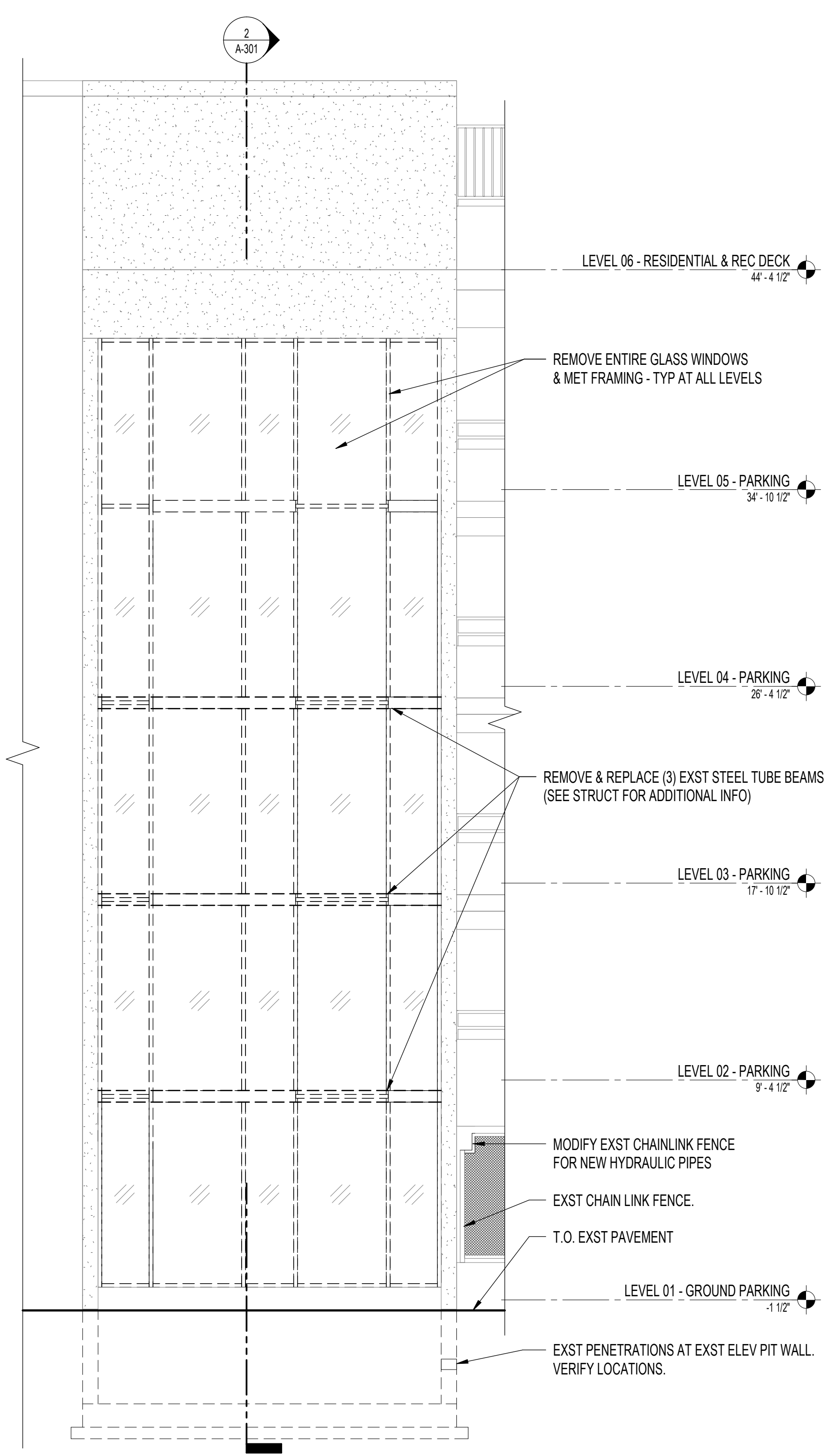


SOUTH ELEVATION

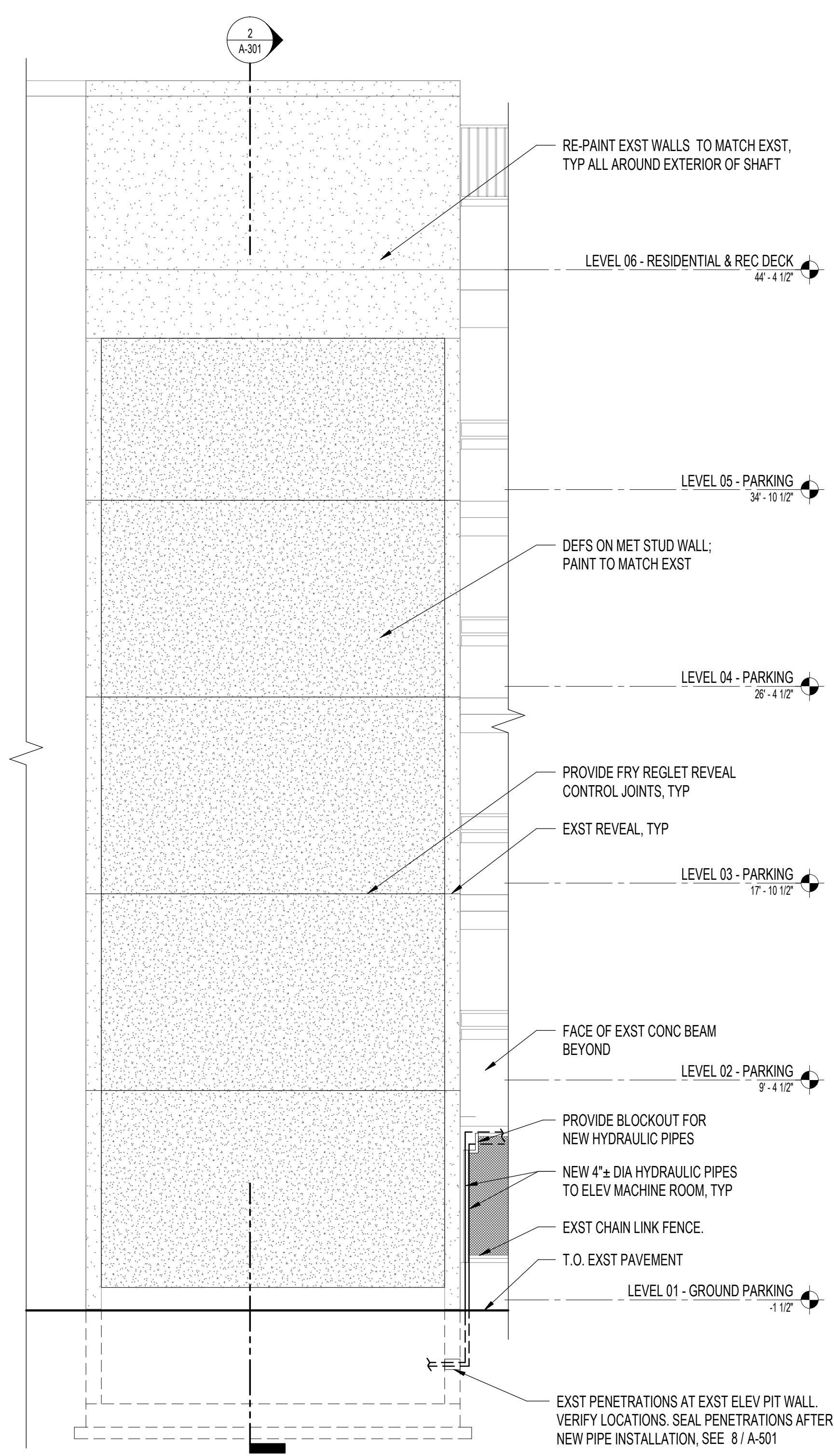
1/64" = 1'-0"

PALEKANA PERMITS
THIRD PARTY CERTIFICATION

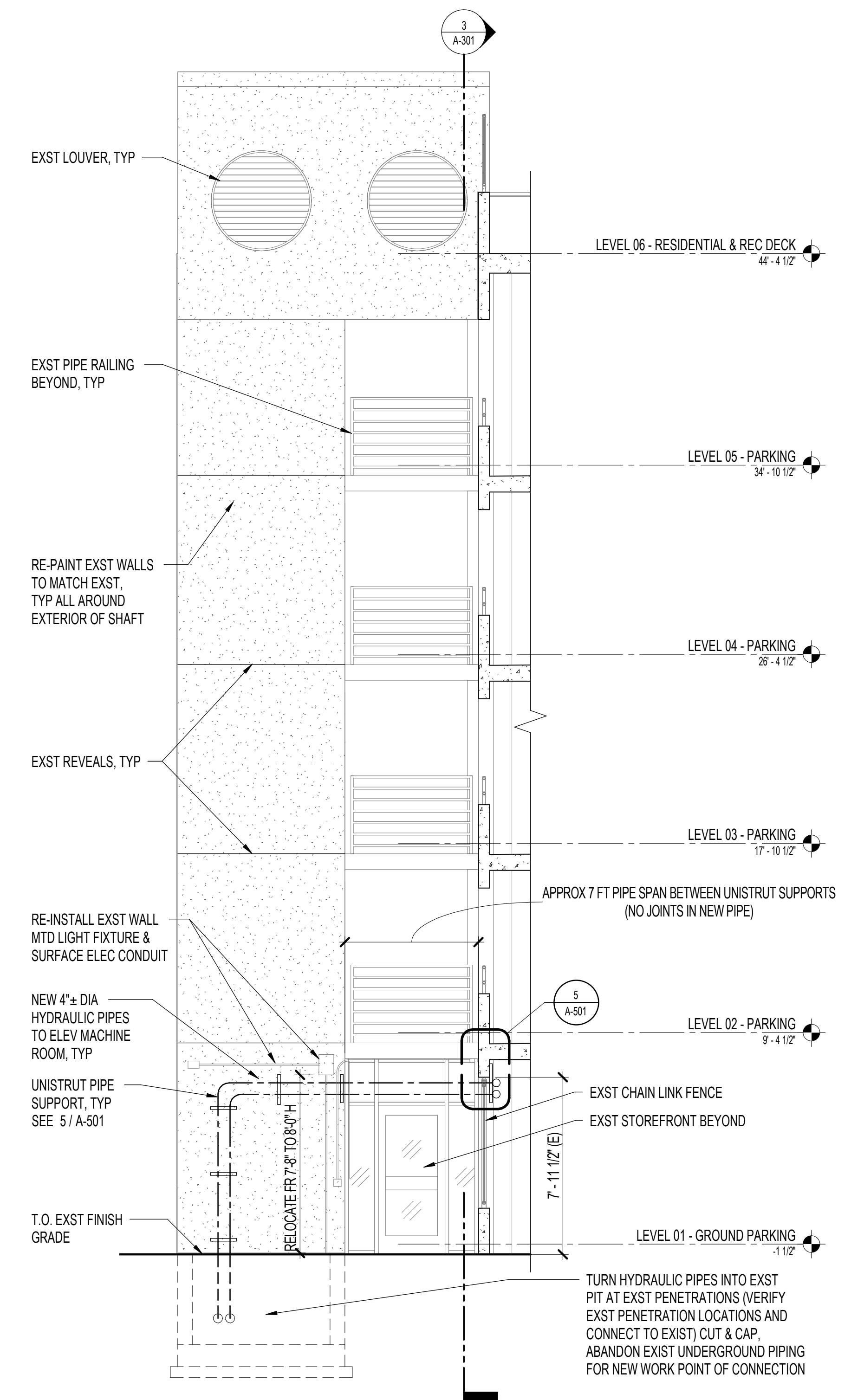
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<input type="checkbox"/> Mechanical Code	<input type="checkbox"/> ZPRB (Land use Ordinance)
<input type="checkbox"/> Structural (Non-Single / 2-Family Dwellings)	



1 SOUTH ELEVATION - ELEVATOR SHAFT (DEMO)
1/4" = 1'-0"

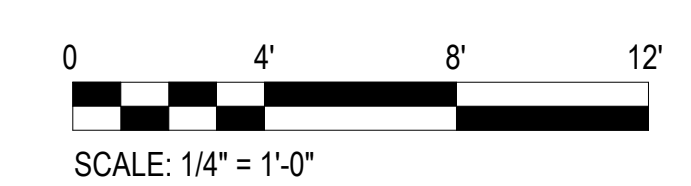


2 SOUTH ELEVATION - ELEVATOR SHAFT (NEW WORK)
1/4" = 1'-0"



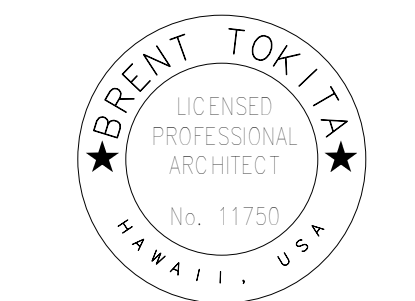
3 EAST ELEVATION - ELEVATOR SHAFT
1/4" = 1'-0"

NOTE: ABOVE GROUND FITTINGS FOR NEW HYDRAULIC PIPING SHALL BE VICTAULIC. BELOW GROUND FITTINGS FOR NEW HYDRAULIC PIPING SHALL BE THREADED.



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T 808 591 1818 F 808 591 1618
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JOB NO.: 23-014
DRAWN BY: TS
DESIGNED BY: BT



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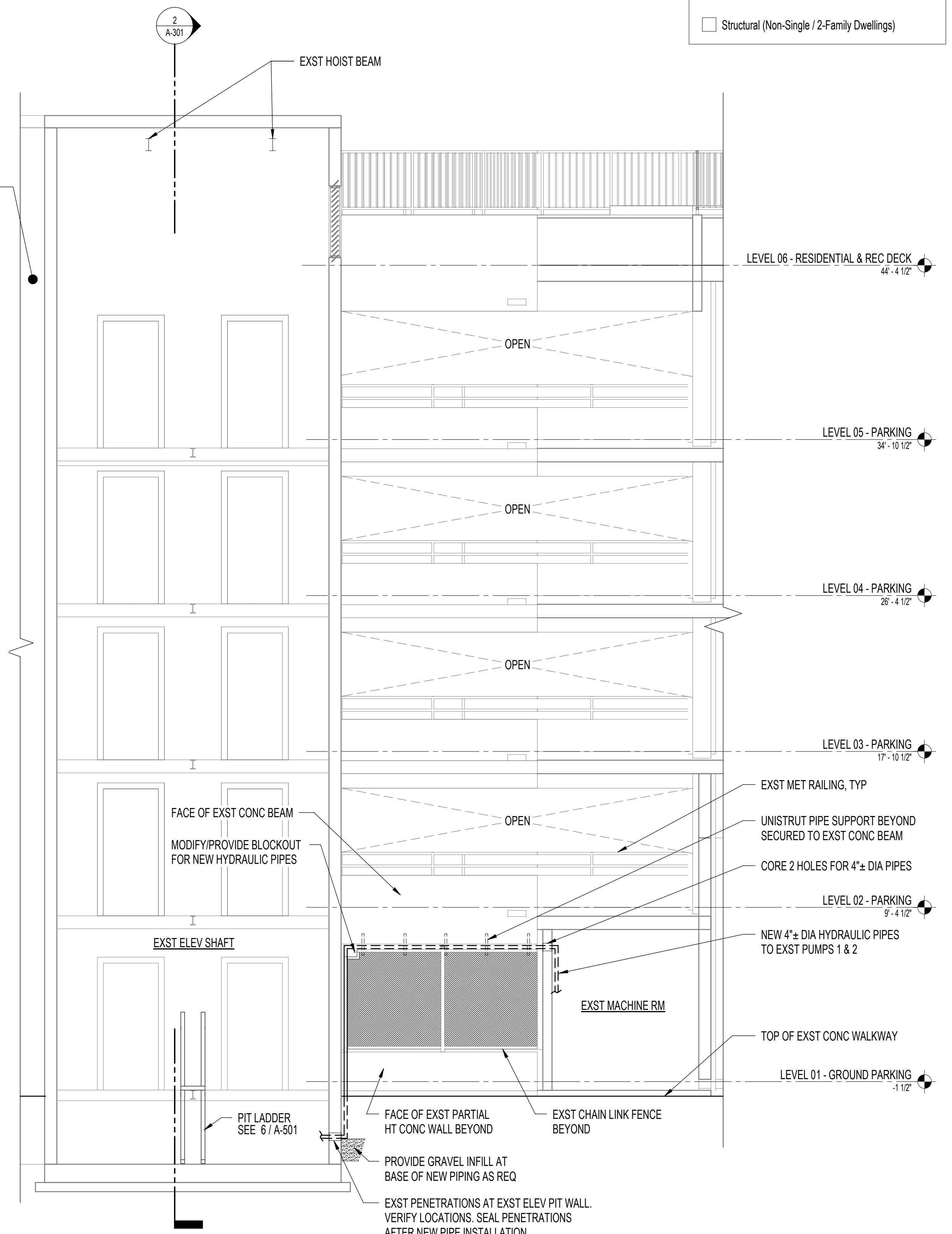
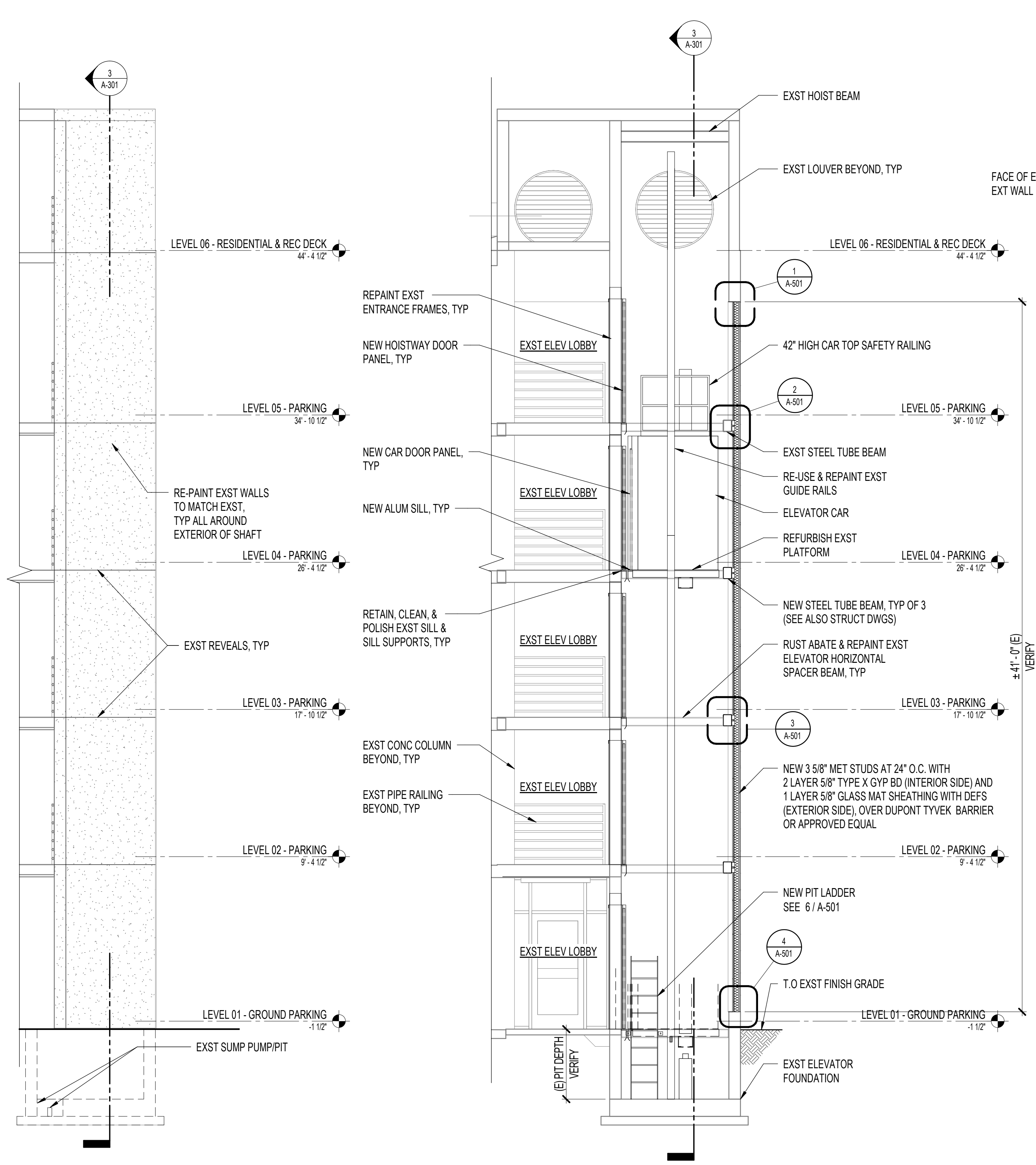
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MODERNIZE TWO PASSENGER ELEVATORS
860 HALEKAUWILA STREET, KAKAOKO, HONOLULU, HAWAII, 96813
TMK: 2-1-050-013
Description: BUILDING ELEVATIONS

SHEET NUMBER
A-201
7 OF 36 SHEETS

NOTE:
ELEVATOR SUBCONTRACTOR TO PROVIDE SHOP DRAWINGS TO SATISFY THE SPECIFICATIONS,
FOR REVIEW AND FOR ACCEPTANCE BY GC, DESIGN CONSULTANTS AND OWNER.

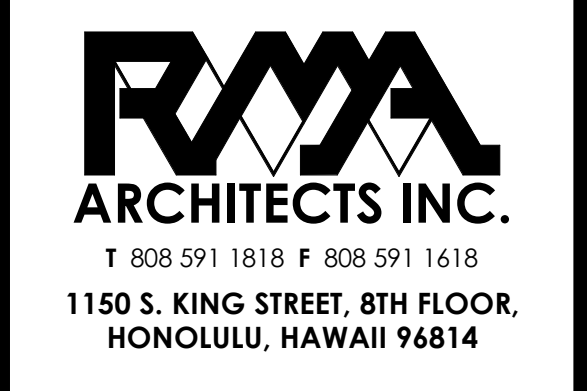
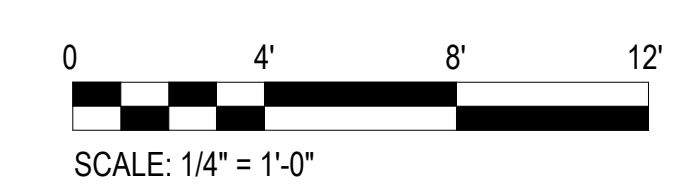
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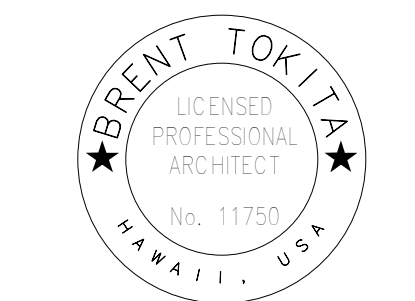
1 WEST ELEVATION - ELEVATOR SHAFT
1/4" = 1'-0"

2 CROSS SECTION @ ELEVATOR
1/4" = 1'-0"

3 LONGITUDINAL SECTION @ ELEVATOR
1/4" = 1'-0"



DATE: 02/20/2024
JOB NO.: 23-014
DRAWN BY: TS, KO
DESIGNED BY: BT



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TMK: 2-1-050-013
Description: BUILDING SECTIONS

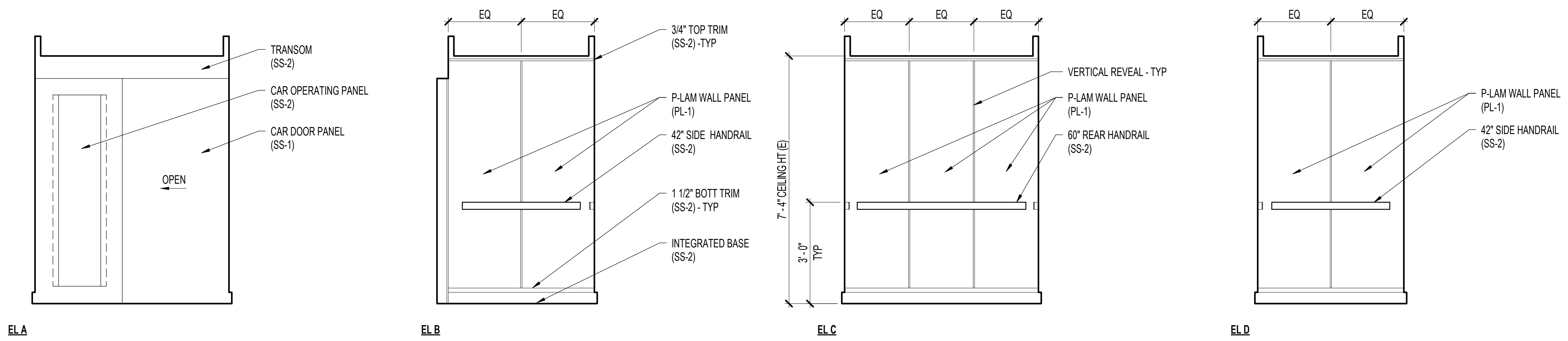
SHEET NUMBER
A-301
8 OF 36 SHEETS

APPROVED

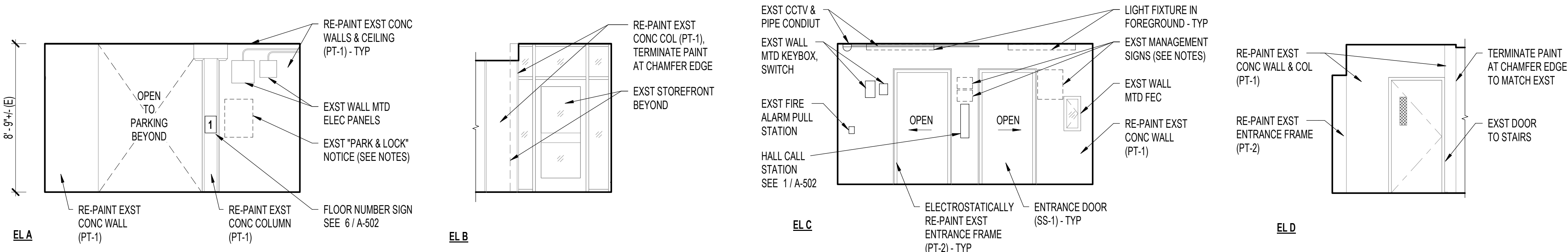
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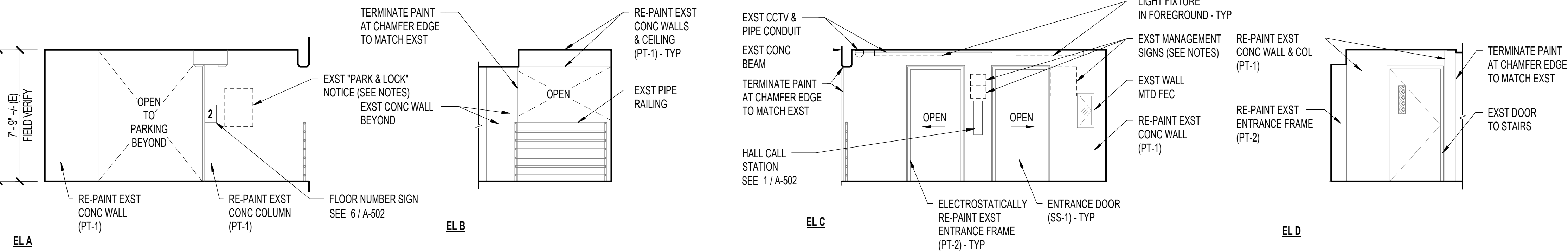
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 - Structural (Non-Single / 2-Family Dwellings)



1 TYPICAL ELEVATOR CAB INTERIOR ELEVATIONS
1/2" = 1'-0"

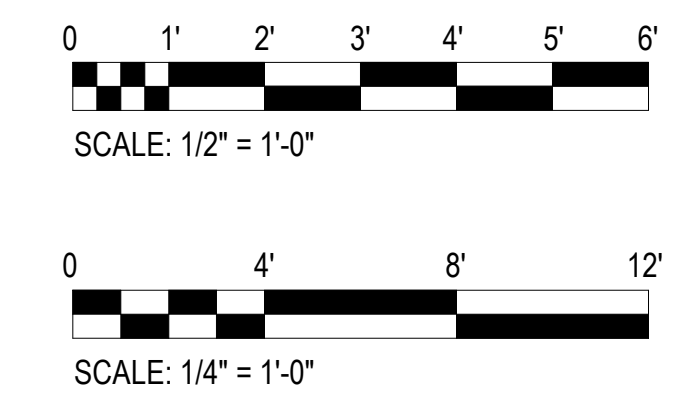


2 LEVEL 01 ELEVATOR LOBBY INTERIOR ELEVATIONS
1/4" = 1'-0"



3 LEVEL 02 ELEVATOR LOBBY INTERIOR ELEVATIONS (LEVEL 03 - 05 TYP)
1/4" = 1'-0"

NOTES:
1. PAINTING TRANSITION LINES TO MATCH EXISTING OR AS INDICATED ON PLANS AND ELEVATIONS.
2. OWNER TO CONFIRM WHETHER TO USE EXIT STAIRS OR ONE OPERATIONAL ELEVATOR DURING THE RENOVATION.
3. REMOVE EXST MANAGEMENT SIGNS SUCH AS VISITOR HOURS, NOTICE OF THEFT, PARK & LOCK NOTICE, PRIOR TO PAINTING WORK. INSTALL SIGNS AND COORDINATE WITH RESIDENT MANAGER FINAL LOCATION.
4. CONTRACTOR MUST COORDINATE MANAGEMENT SIGNAGES WITH RESIDENT MANAGER AND OWNER.
5. SEE SHEET A-102 FOR COLOR AND MATERIAL SELECTION.



RMA ARCHITECTS INC.
T 808 591 1818 F 808 591 1618
1150 S. KING STREET, 8TH FLOOR,
HONOLULU, HAWAII 96814

DATE: 02/20/2024
JOB NO.: 23-014
DRAWN BY: KO
DESIGNED BY: BT

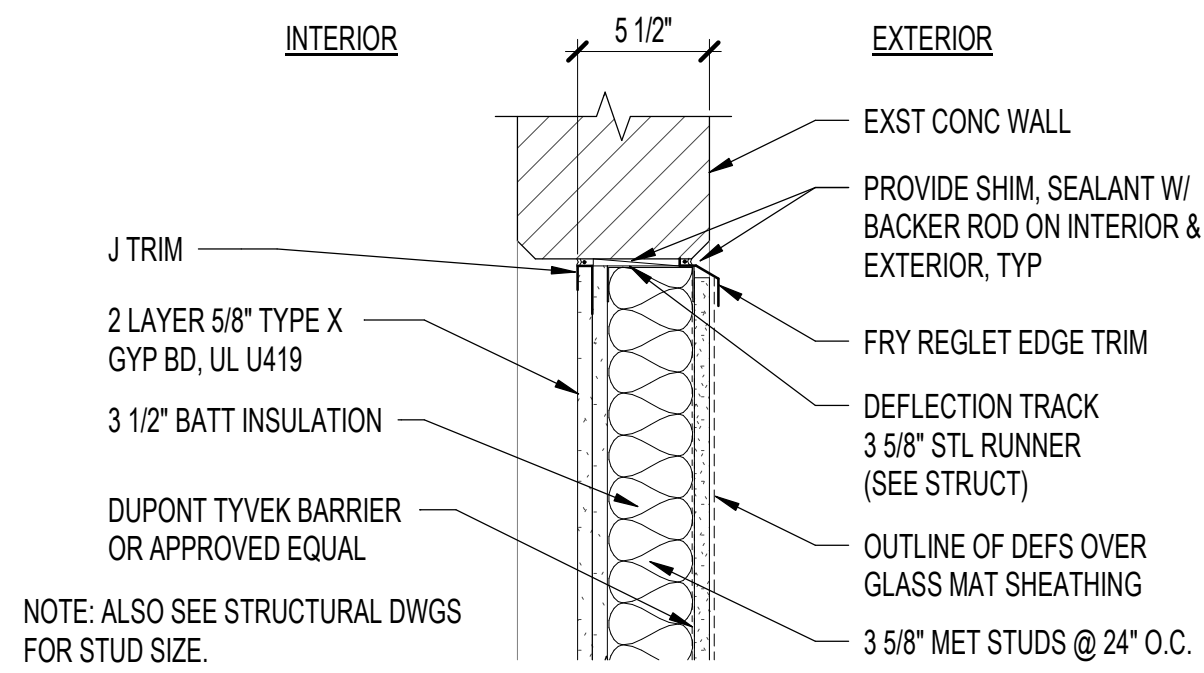


This work was prepared by me or under my supervision and construction of this project will be under my observation. (Observation of construction as defined in the current Hawaii Administrative Rules "Professional Engineers, Architects, Surveyors and Landscape Architects")
Signature: Brent J. Lee

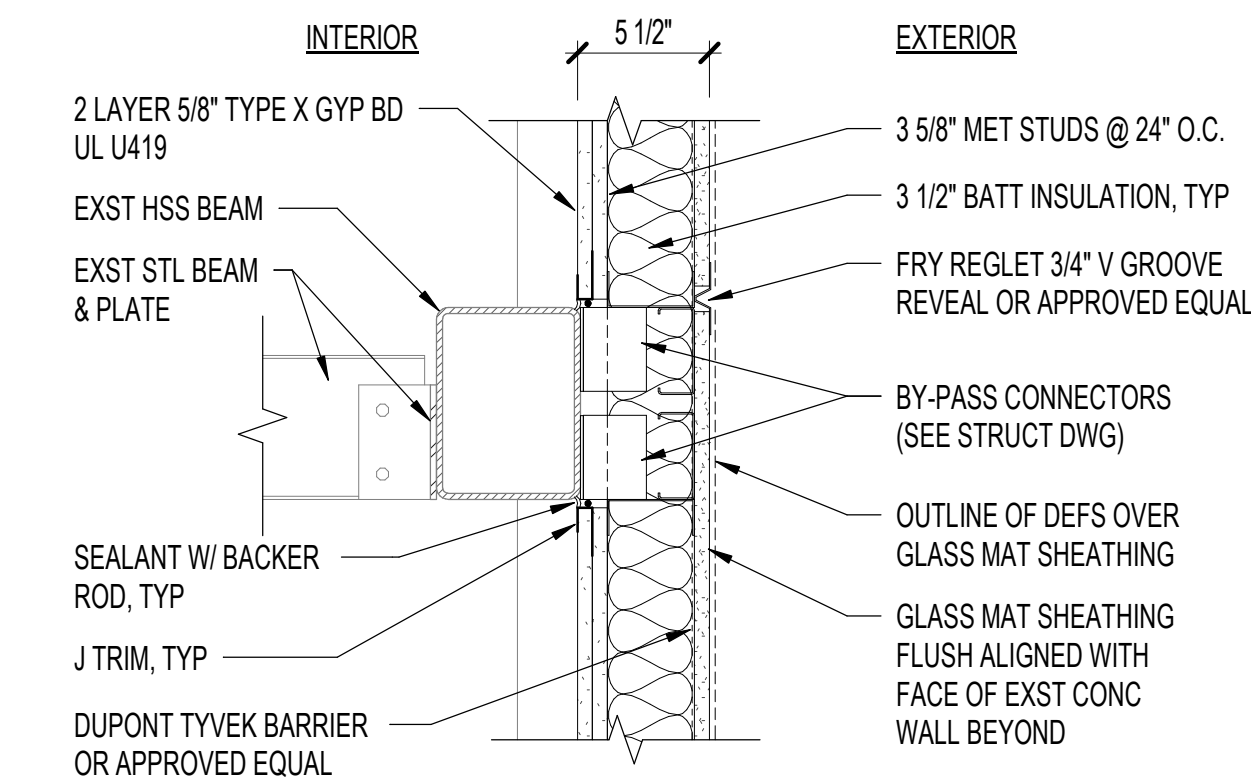
REVISIONS	REV.	DATE	DESCRIPTION	BY

Project: HCDA KAUAHOLE KAKAAKO PARKING GARAGE
MODERNIZE TWO PASSENGER ELEVATORS
860 HALEKAUWILA STREET, KAKAAKO, HONOLULU, HAWAII, 96813
TMK: 2-1-050-013
Description: INTERIOR ELEVATIONS

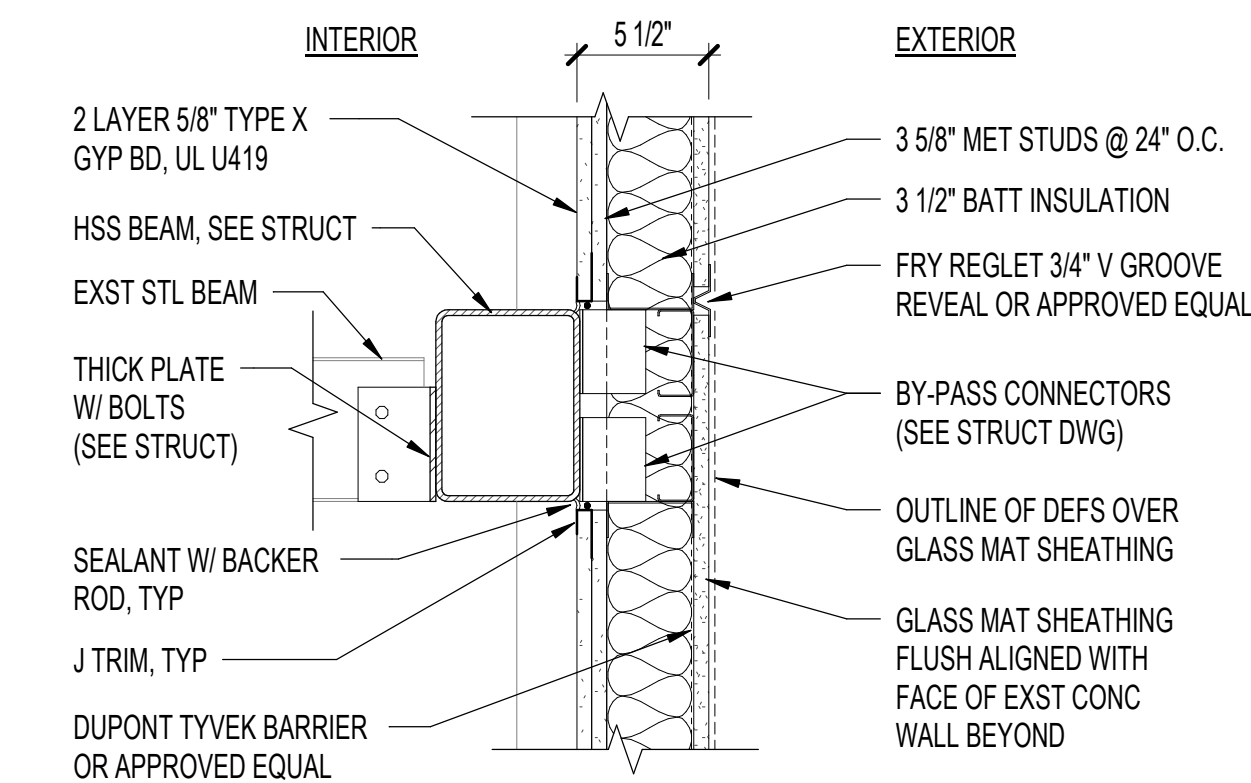
SHEET NUMBER
A401
9 OF 36 SHEETS



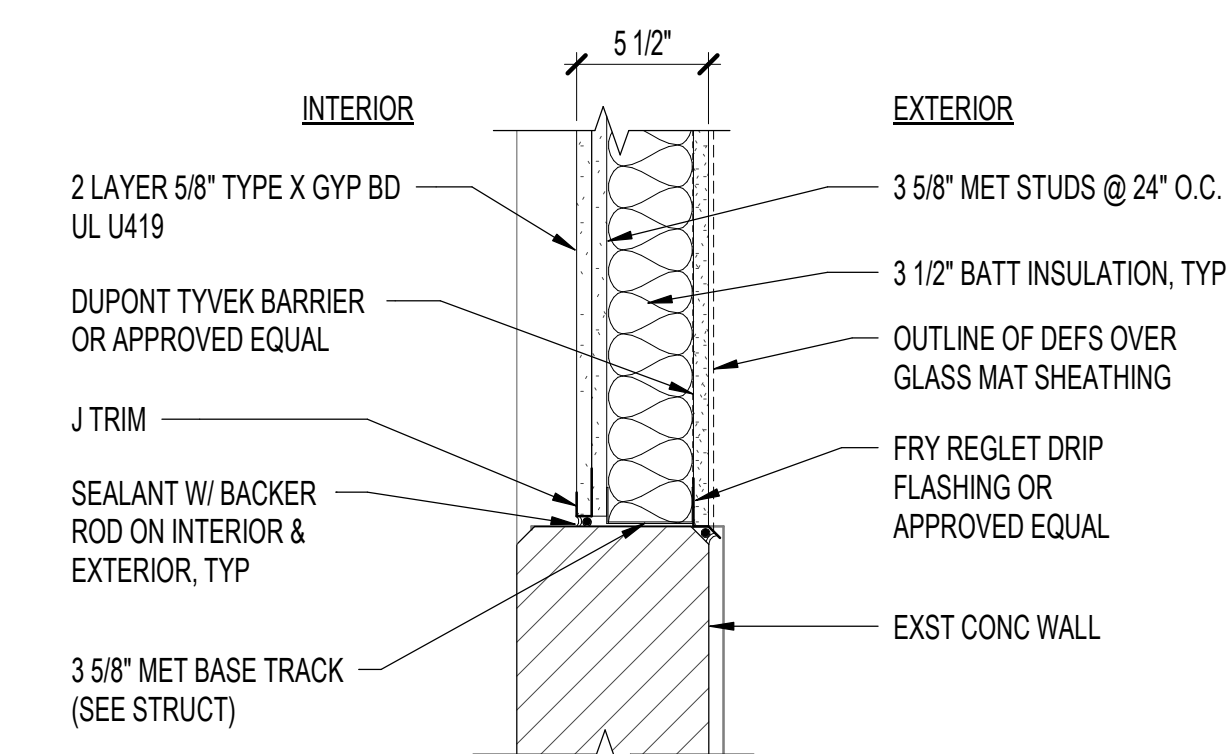
1 DETAIL - WALL AT EXST HEADER
1 1/2" = 1'-0"



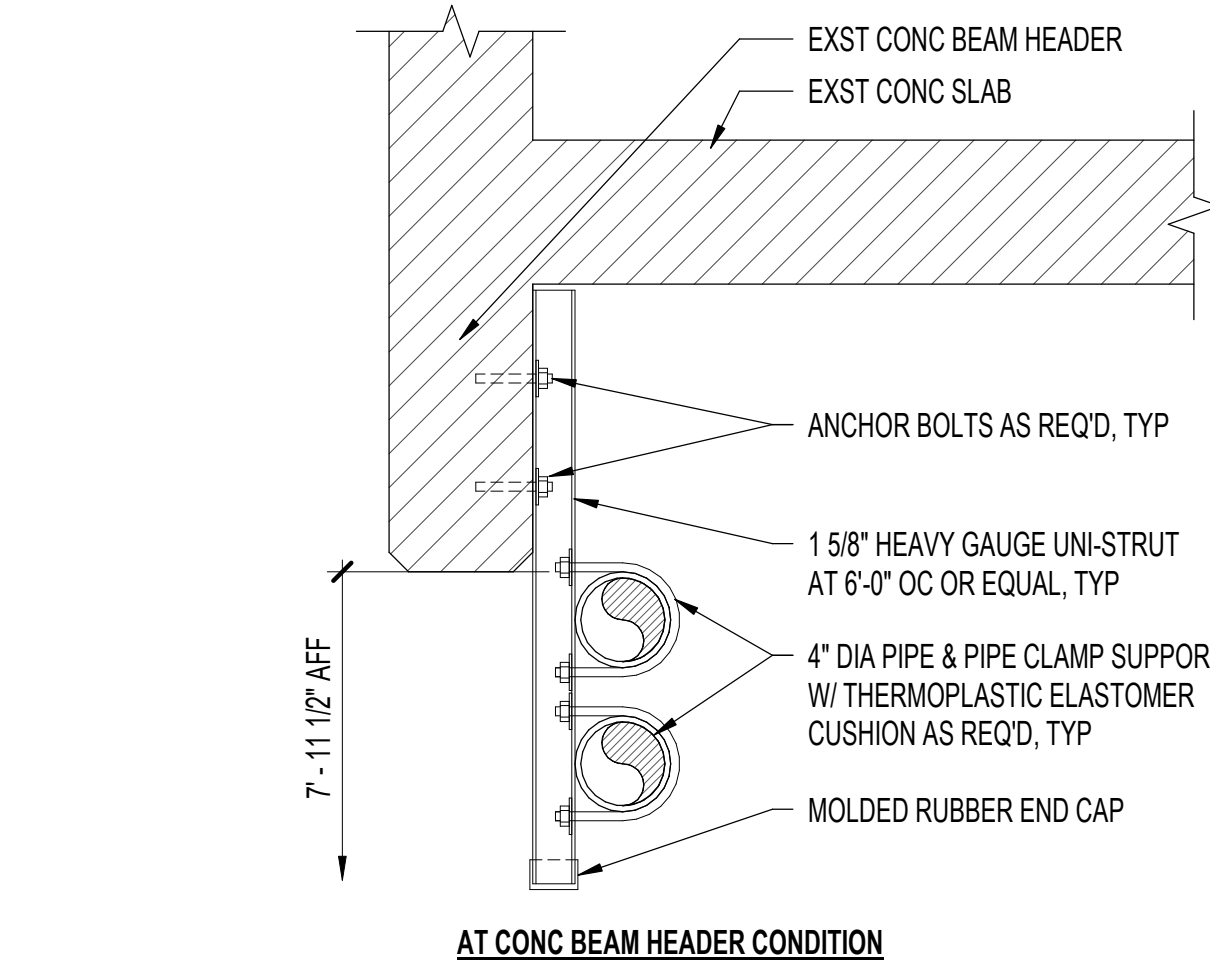
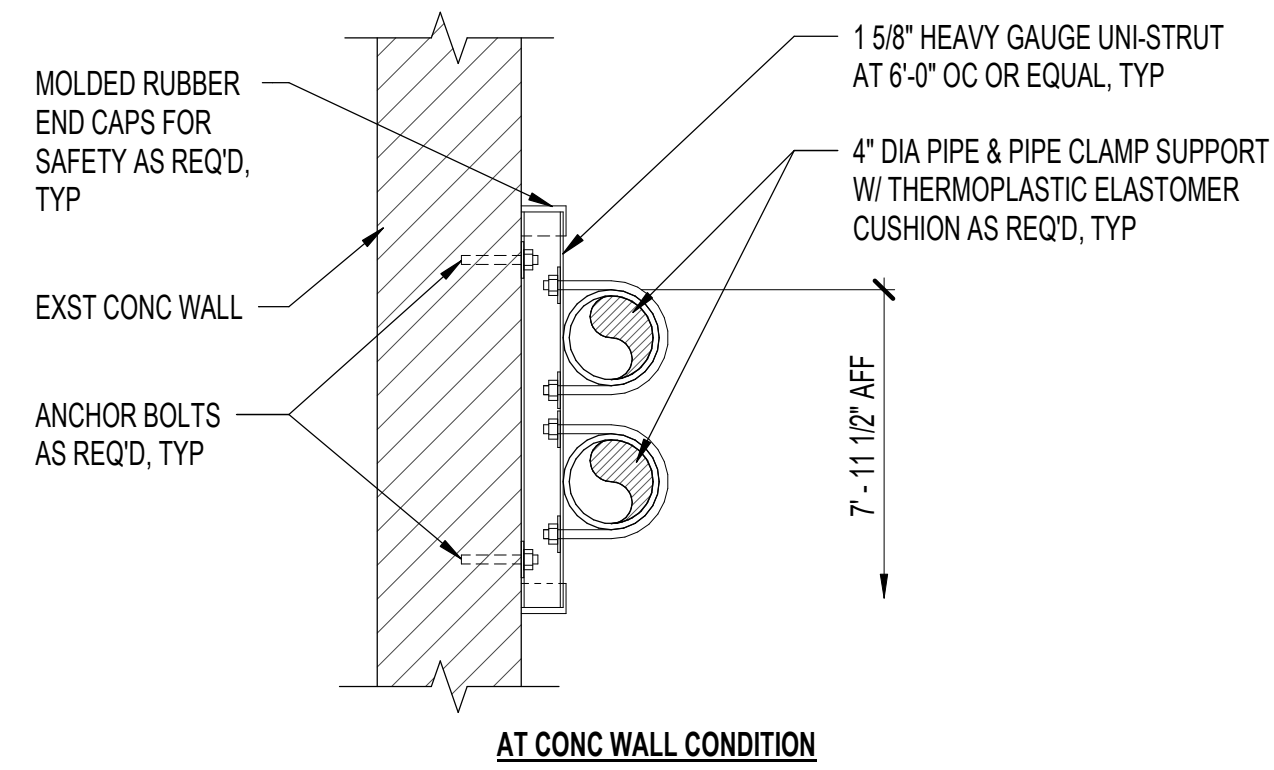
2 DETAIL - WALL AT EXST STEEL BEAM
1 1/2" = 1'-0"



3 DETAIL - WALL AT NEW STEEL BEAM (TYP)
1 1/2" = 1'-0"

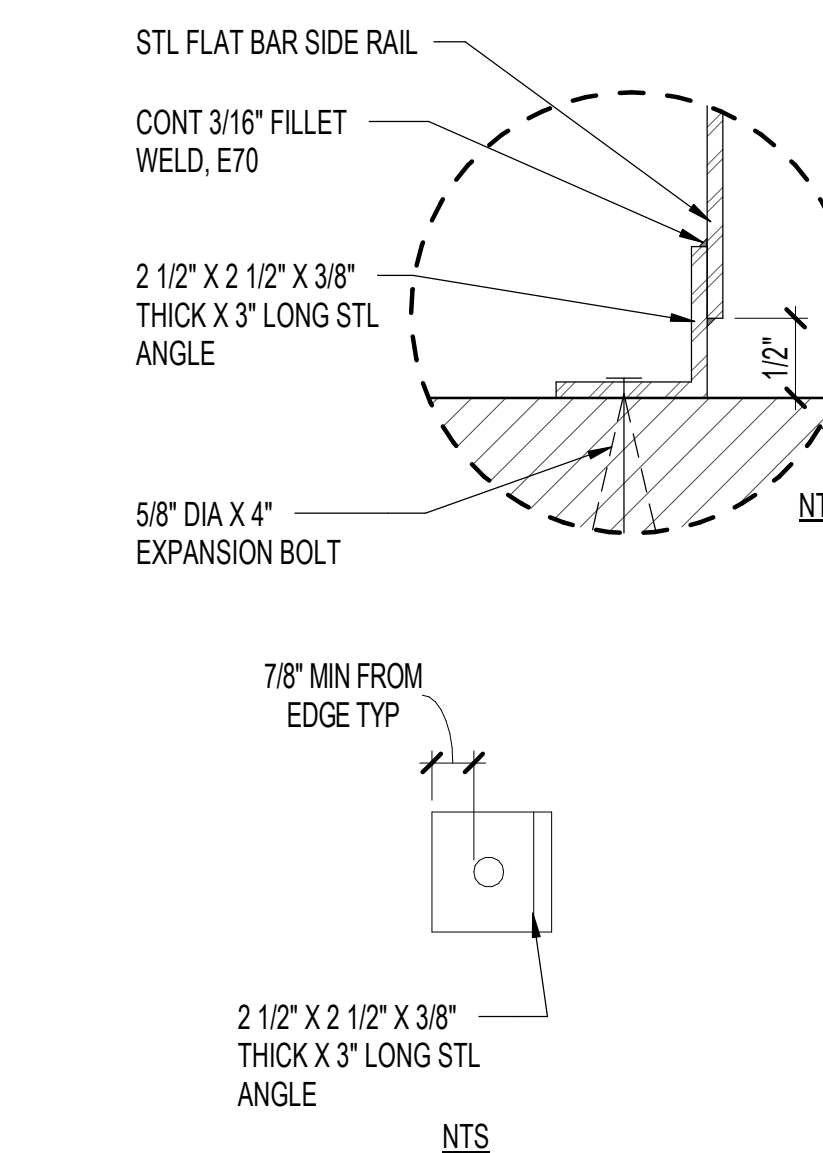


4 DETAIL - WALL AT EXST SILL
1 1/2" = 1'-0"

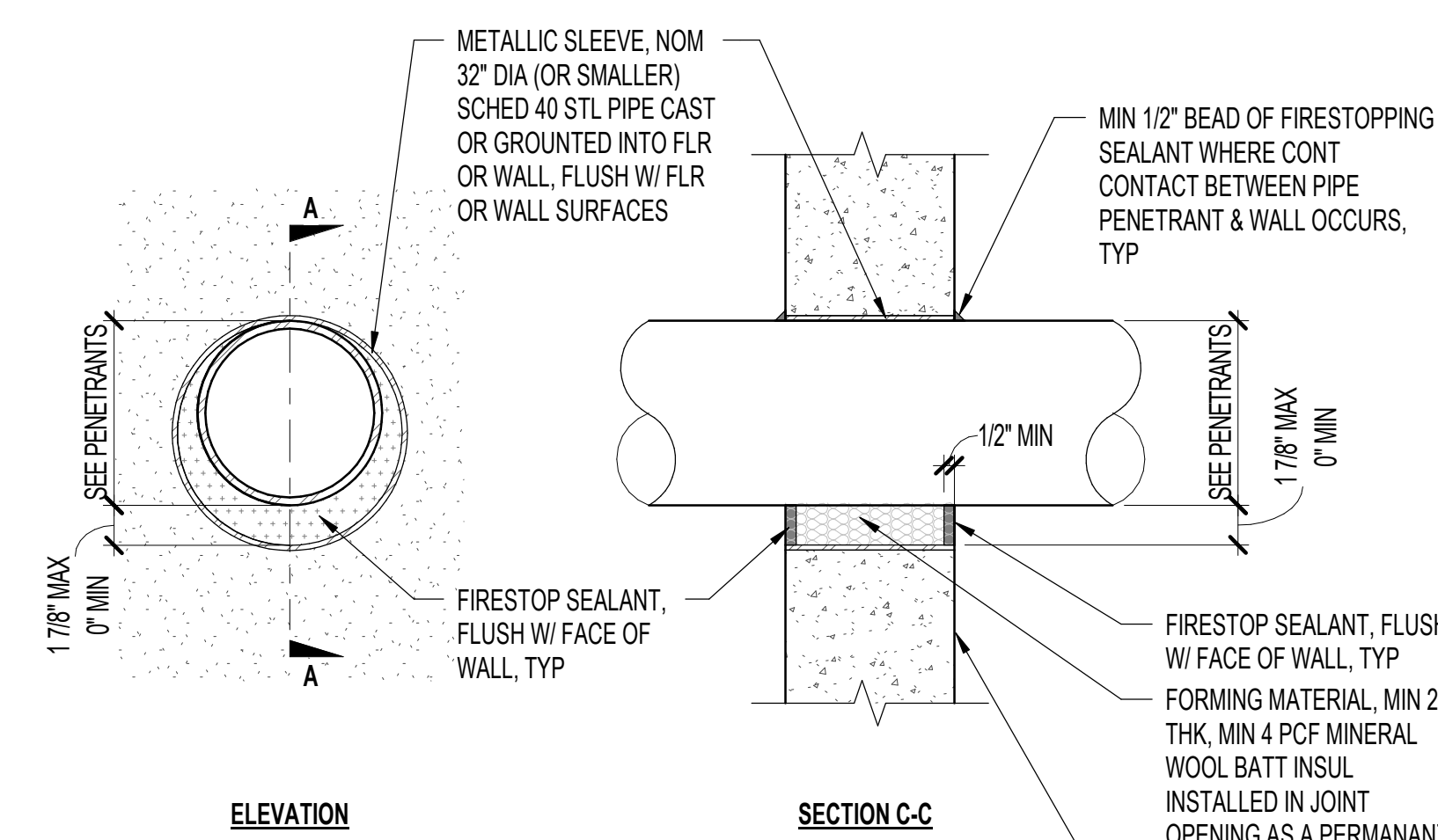


5 DETAIL - PIPE WALL SUPPORT
1 1/2" = 1'-0"

ELEVATOR PIT LADDER NOTES:
 1. CONTRACTOR SHALL COORDINATE WITH ELEVATOR SUBCONTRACTOR FOR FINAL LOCATION OF ELEVATOR PIT LADDER FOR CODE COMPLIANT INSTALLATION.
 2. ALL ELEVATOR PIT LADDER COMPONENTS AND BRACKETS SHALL BE GALVANIZED STEEL, PAINT.
 3. ALL BOLTS SHALL BE GALVANIZED STEEL.
 4. PAINT LADDER TO BE SAFETY YELLOW.



6 DETAIL - ELEVATOR PIT LADDER
1/2" = 1'-0"



MTL PIPE / CONC FLOOR OR WALL (OR CONC BLOCK WALL)
 UL DESIGN NO. C-AJ-1380, OR EQUAL; ASSEMBLY RATING - 2 HOURS

PENETRANTS:

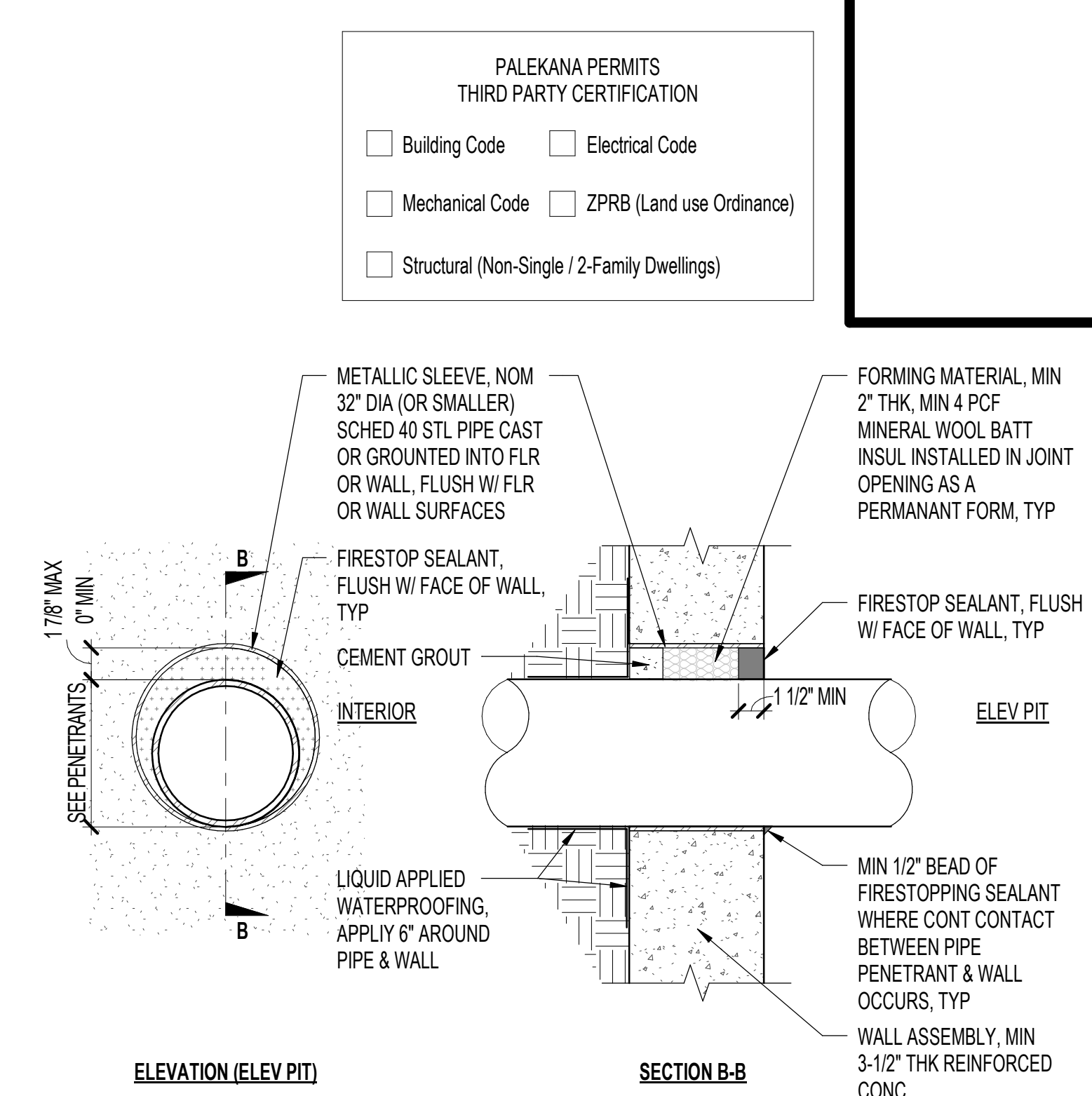
- STL PIPE; NOM 30" DIA (OR SMALLER), SCHEDULE 10 (OR HEAVIER).
- IRON PIPE; NOM 30" DIA (OR SMALLER) CAST OR DUCTILE IRON.
- COPPER PIPE; NOM 6" DIA (OR SMALLER) REGULAR (OR HEAVIER).
- COPPER TUBING; NOM 6" DIA (OR SMALLER) TYPE "L" (OR HEAVIER).
- CONDUIT; NOM 4" DIA (OR SMALLER) EMT OR 6" DIA STL.

THROUGH PENETRATION FIRESTOP SYSTEMS - CONC WALL AND FLOOR

ASSEMBLY NOTES:

- SEE ALSO, THE UL DESIGNS INDICATED FOR EACH PENETRANT CONDITION FOR ADDITIONAL NOTES AND REQUIREMENTS.
- THE UL DESIGNS INDICATED DOES NOT EXCLUDE OTHER UL DESIGNS FOR SIMILAR THROUGH PENETRATION FIRESTOP SYSTEMS BY OTHER MANUFACTURERS FROM BEING PROVIDED.

7 FIRE STOP AT EXST CONC WALL/FLOOR
1 1/2" = 1'-0"



MTL PIPE THRU CONC OR CMU SHAFT WALL ASSEMBLY
 UL DESIGN NO. W-J-1089, OR EQUAL; ASSEMBLY RATING - 2 HOURS

PENETRANTS:

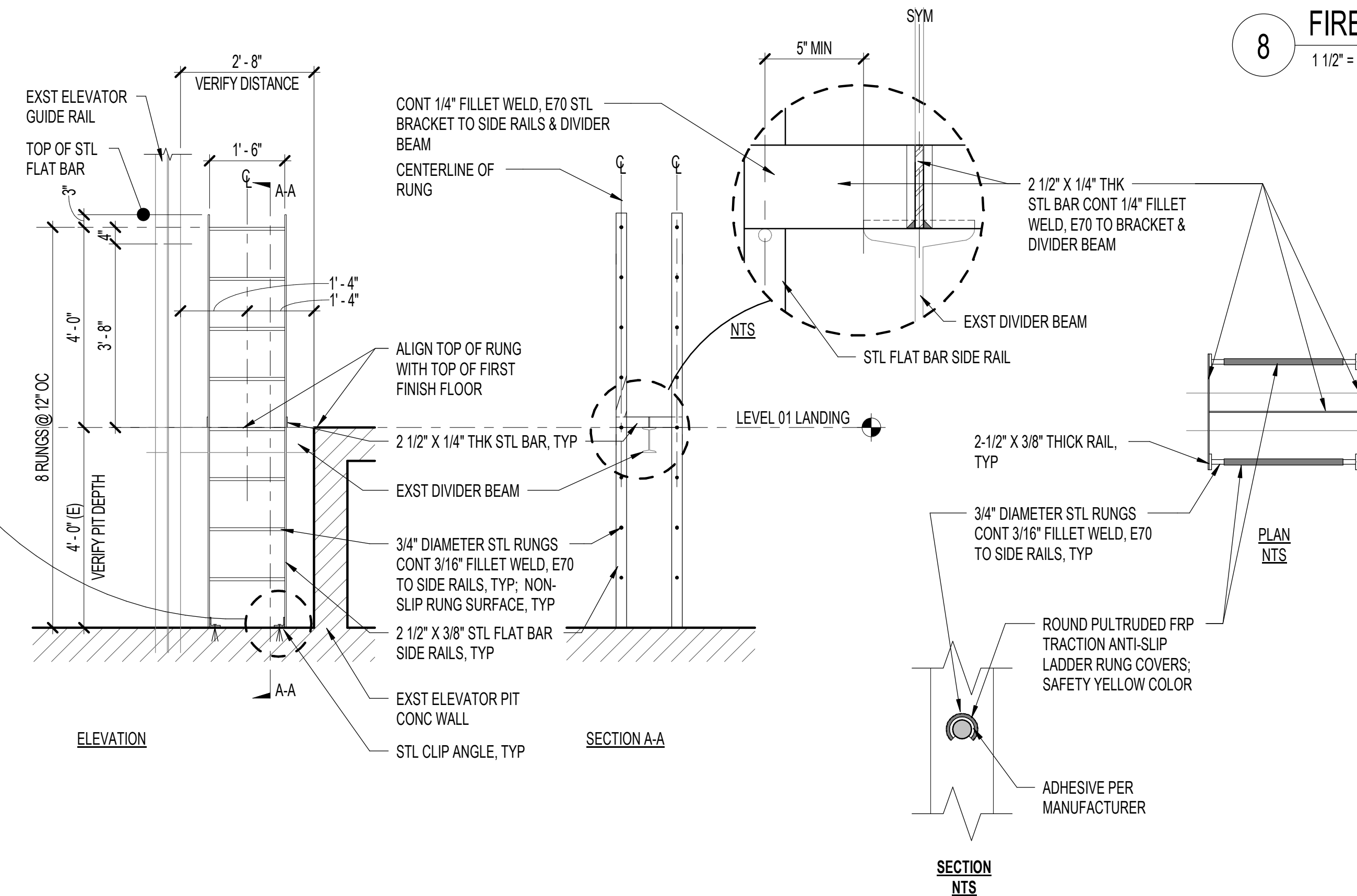
- STL PIPE; NOM 8" DIA MAX OR SMALLER, SCHEDULE 10 (OR HEAVIER).
- IRON PIPE; NOM 8" DIA MAX OR SMALLER CAST OR DUCTILE IRON.
- COPPER PIPE; NOM 4" DIA MAX OR SMALLER REGULAR (OR HEAVIER).
- STEEL CONDUIT; NOM 6" DIA MAX OR SMALLER

THROUGH PENETRATION FIRESTOP SYSTEMS - CONC WALL AND FLOOR

ASSEMBLY NOTES:

- SEE ALSO, THE UL DESIGNS INDICATED FOR EACH PENETRANT CONDITION FOR ADDITIONAL NOTES AND REQUIREMENTS.
- THE UL DESIGNS INDICATED DOES NOT EXCLUDE OTHER UL DESIGNS FOR SIMILAR THROUGH PENETRATION FIRESTOP SYSTEMS BY OTHER MANUFACTURERS FROM BEING PROVIDED.

8 FIRESTOP AT EXST ELEV SHAFT
1 1/2" = 1'-0"

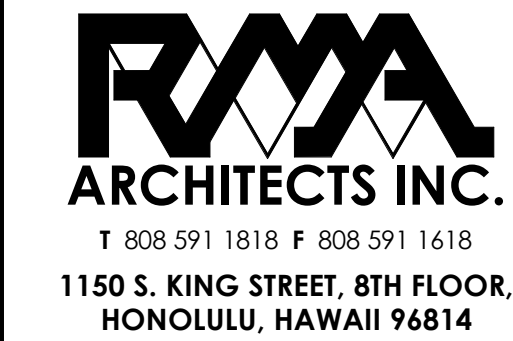
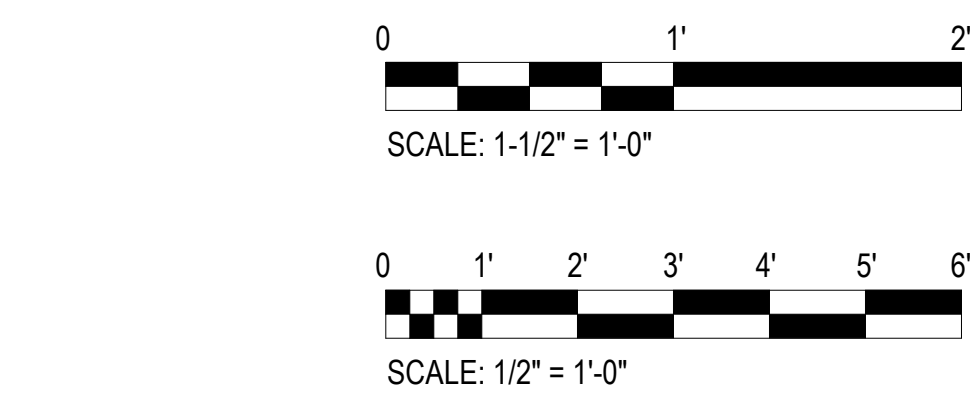


PALEKANA PERMITS
THIRD PARTY CERTIFICATION

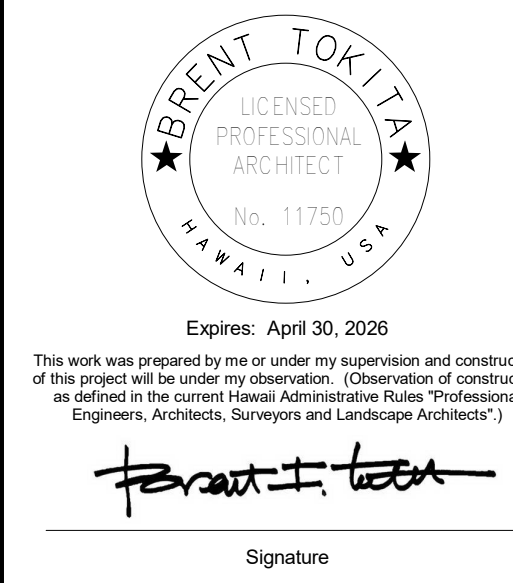
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<input type="checkbox"/> Mechanical Code	<input type="checkbox"/> ZPRB (Land use Ordinance)
<input type="checkbox"/> Structural (Non-Single / 2-Family Dwellings)	

REVISIONS

NO.	DATE	DESCRIPTION
2	02/20/24	ADDED DETAILS



DATE: 02/20/24
 JOB NO.: 23-014
 DRAWN BY: TS, KO
 DESIGNED BY: BT



Project: HCDA KAUHALE KAKAOKO PARKING GARAGE
 MODERNIZE TWO PASSENGER ELEVATORS
 860 HALEKAUWILA STREET, KAKAOKO, HONOLULU, HAWAII, 96813
 TMK: 2-1-050-013
 Description: WALL DETAILS

REVISIONS

NO.	DATE	DESCRIPTION
2	02/20/24	ADDED DETAILS

SHEET NUMBER
A-501
 10 OF 36 SHEETS

APPROVED

The issuance hereunder of any permit or approval of plans, specifications, and other data shall not be construed to be a permit for, or approval of, any violation of any provisions of this code or of any other law. The issuance of a permit shall not prevent the building official from thereafter requiring the correction of errors in the plans and specifications or from halting building operations when in violation of the provisions of said chapters and this chapter or of any other law; nor shall it prevent the institute of criminal action and the imposition of penalty as prescribed under Section 18-7.1 hereof for violation of any of the provisions of said chapters and this chapter.

PERMIT NUMBER: 4/29/2025
APPROVED DATE: 4/29/2025
BY: Xi Jing Fang

RMA ARCHITECTS INC.
T 808 591 1818 F 808 591 1618
1150 S. KING STREET, 8TH FLOOR,
HONOLULU, HAWAII 96814

DATE: 02/20/24
JOB NO: 23-014
DRAWN BY: KO
DESIGNED BY: BIT



Expires: April 30, 2026
This work was prepared by me or under my supervision and construction of this project will be under my observation. (Observation of construction as defined in the current Hawaii Administrative Rules "Professional Engineers, Architects, Surveyors and Landscape Architects")
Xi Jing Fang
Signature

REV.	DATE	DESCRIPTION	BY

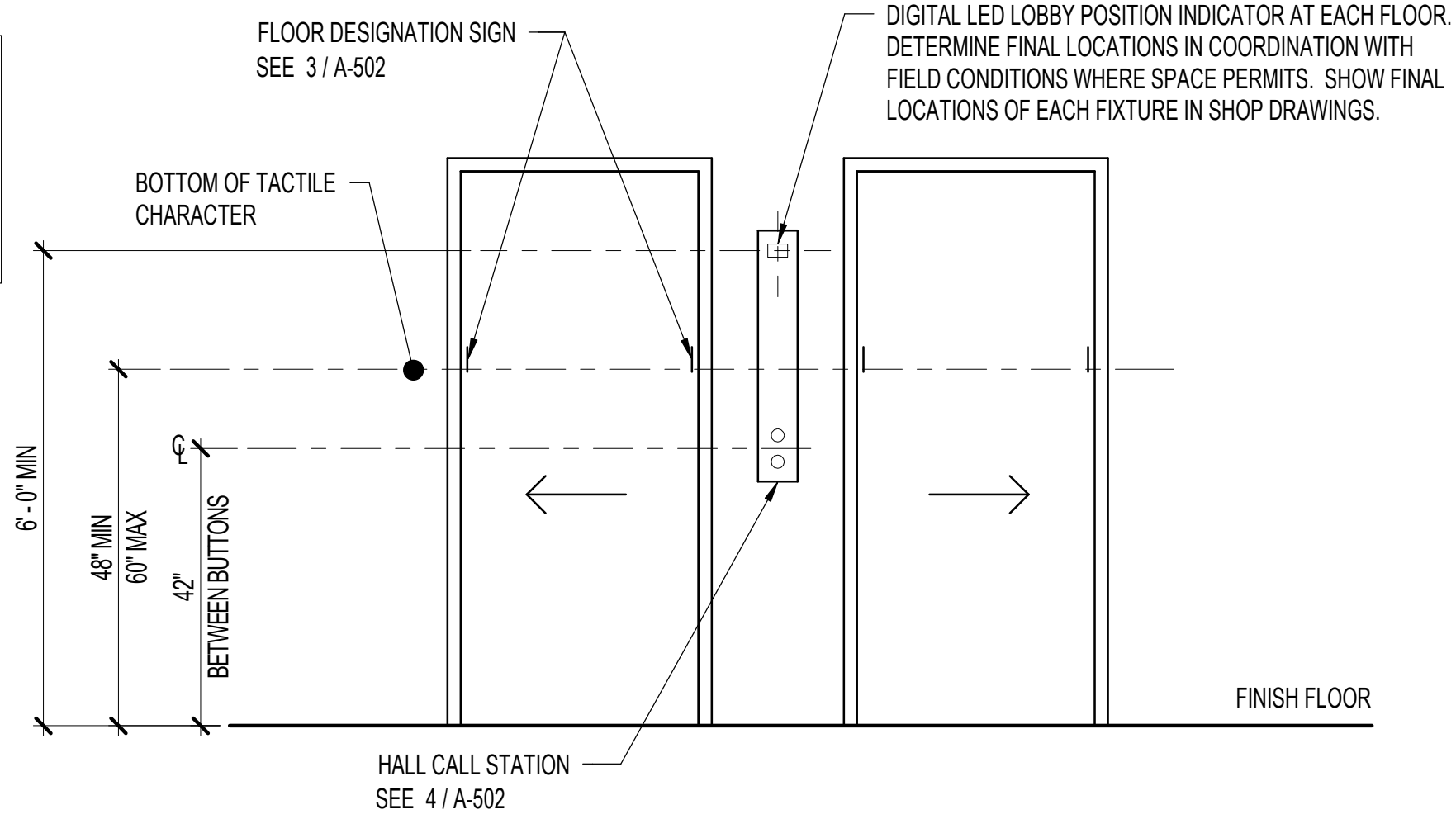
Project: **HCDA KAUHALE KAKAOKO PARKING GARAGE MODERNIZE TWO PASSENGER ELEVATORS**
860 HALEKAUWILA STREET, KAKAOKO, HONOLULU, HAWAII, 96813
TMK: 2-1-050-013
Description: **ELEVATOR CAR CONTROLS & FIXTURE MOUNTING DETAILS**

SHEET NUMBER
A502
11 OF 36 SHEETS

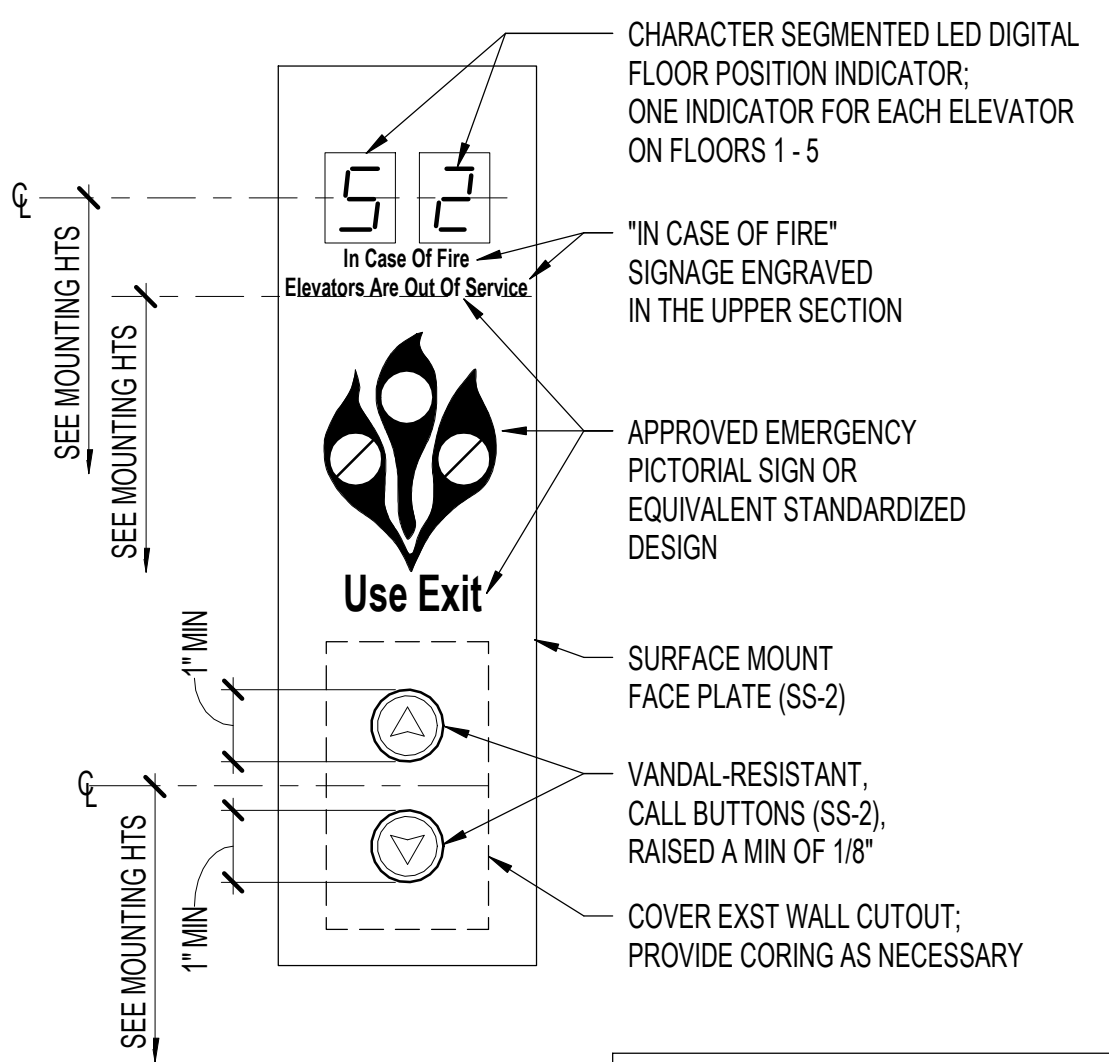
PALEKANA PERMITS
THIRD PARTY CERTIFICATION

Building Code Electrical Code
 Mechanical Code ZPRB (Land use Ordinance)
 Structural (Non-Single / 2-Family Dwellings)

NOTE:
CONTRACTOR TO FOLLOW CURRENT ADAAG-ADA STANDARDS, WHICH ARE UNDERSTOOD TO HAVE BEEN FOLLOWED HERewith, AS ADDITIONAL ACKNOWLEDGEMENT OF SPECIFIC MOUNTING HEIGHT REQUIREMENTS.

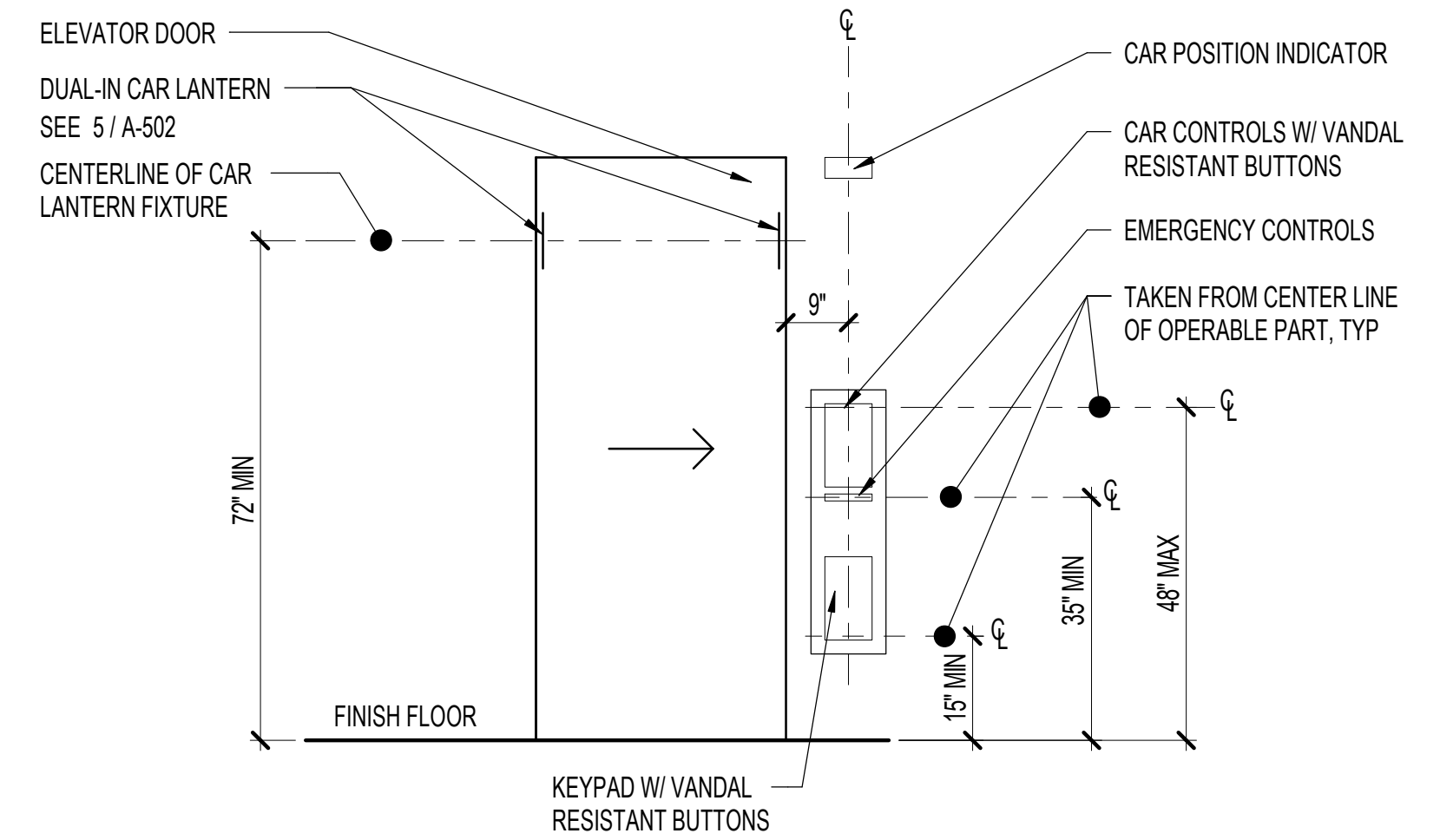


1 LOBBY SIDE ELEVATOR CONTROLS & SIGNAL MOUNTING HEIGHTS
1/2" = 1'-0"



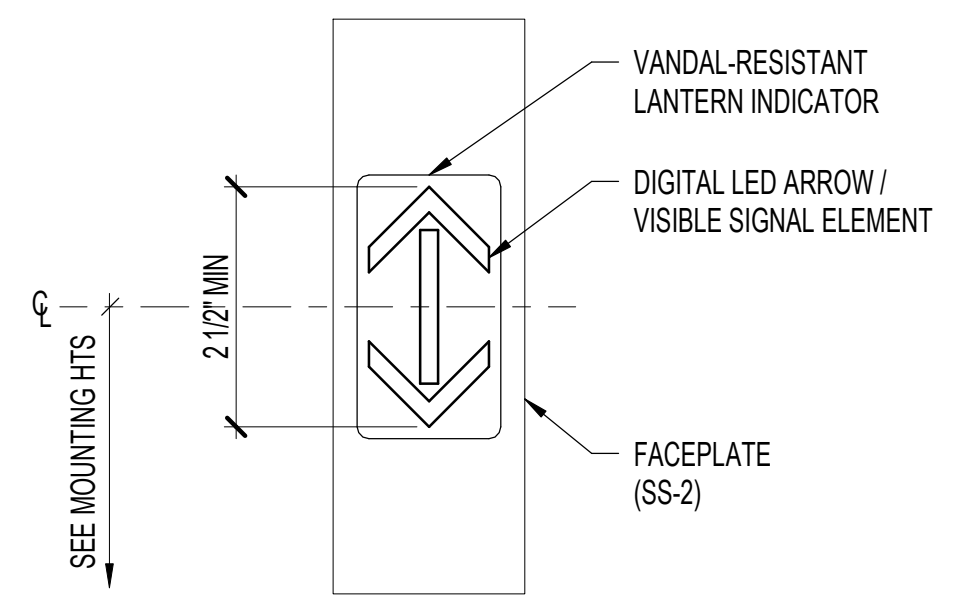
4 HALL CALL STATION
3" = 1'-0"

NOTE:
CONTRACTOR SHALL DESIGN STATION TO MINIMIZE ANY CUTTING AND PATCHING OF THE WALL(S). IF CUTTING AND PATCHING IS REQUIRED, CONTRACTOR SHALL COORDINATE THIS W/ OWNER.

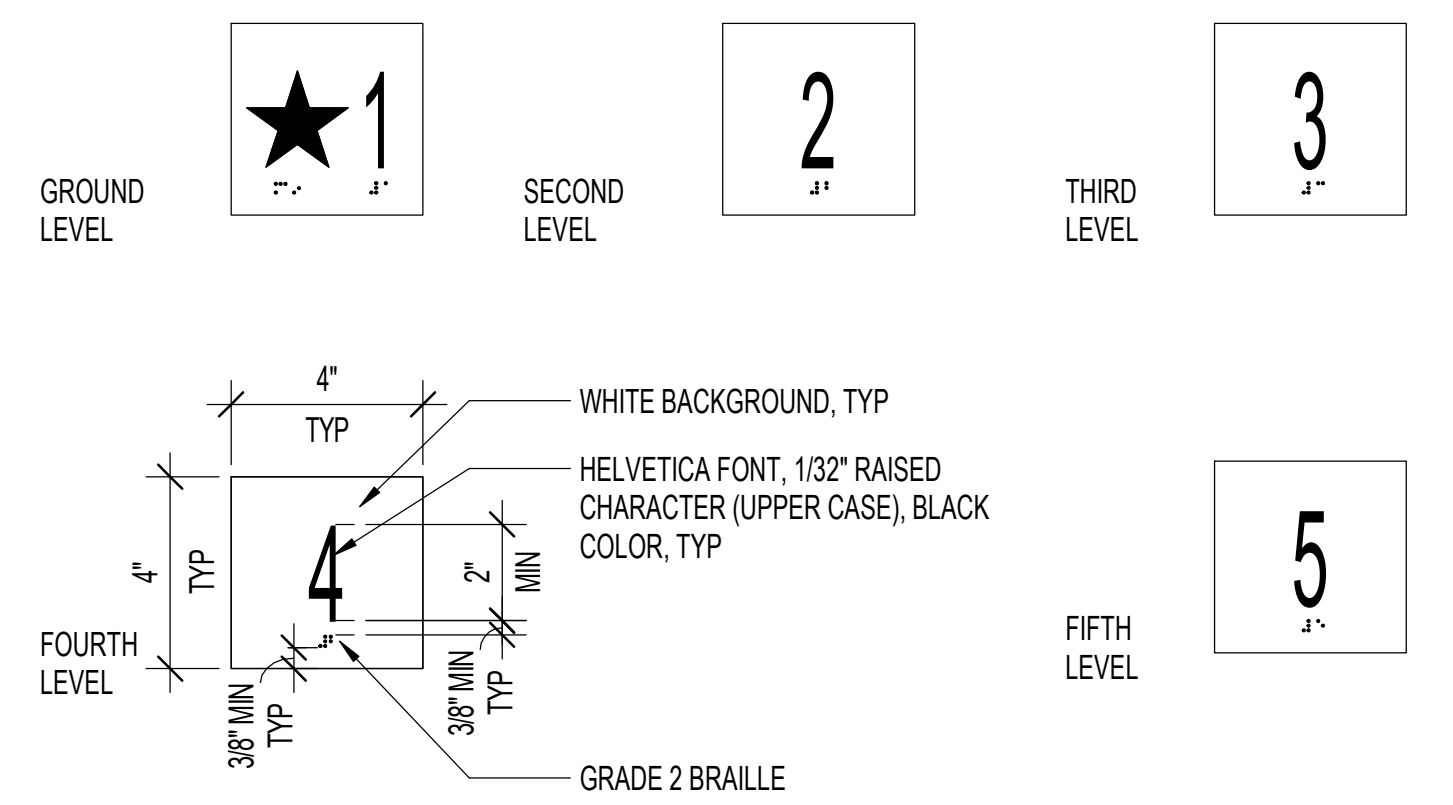


2 ELEVATOR CAR CONTROLS & FIXTURE MOUNTING HEIGHTS
1/2" = 1'-0"

NOTES:
1. INCLUDE AUDIBLE CHIMES/TONES CONSISTING OF SINGLE AND DOUBLE TONES FOR THE UP AND DOWN DIRECTION OF TRAVEL RESPECTIVELY.
2. INSTALL LANTERN ON THE JAMB FURTHEST FROM THE HALL STATION.

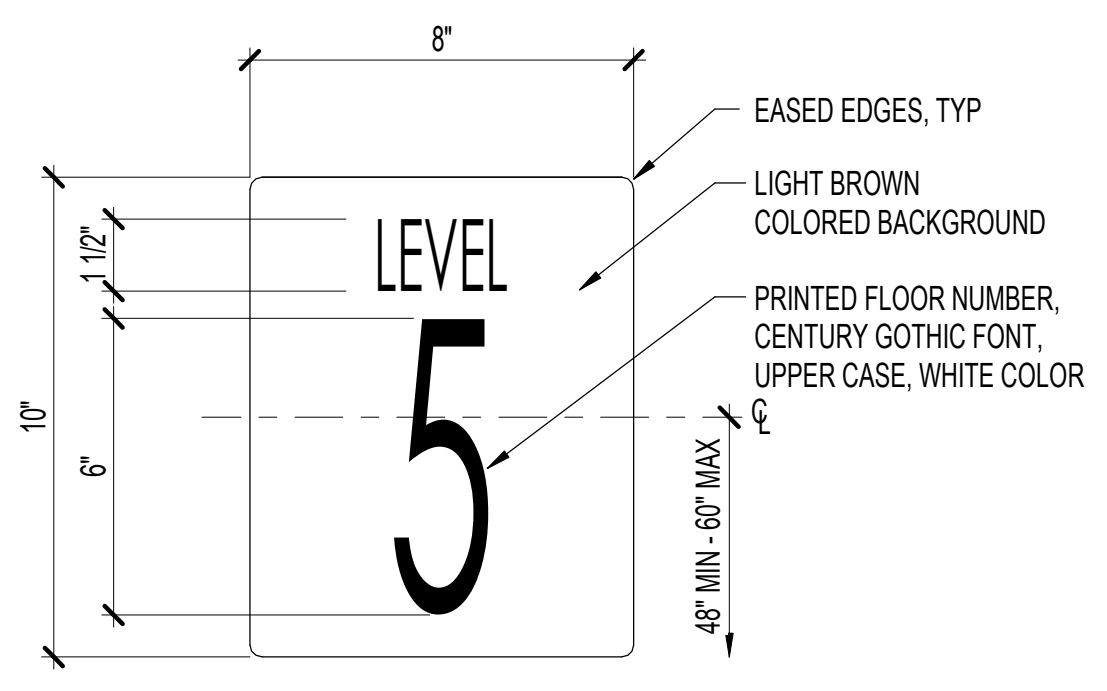


5 DUAL IN-CAR LANTERN
3" = 1'-0"



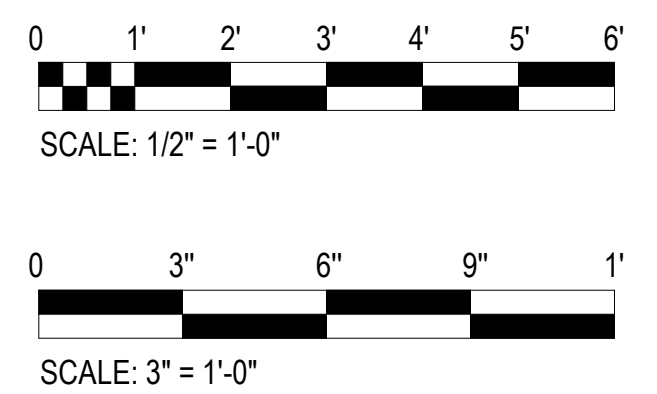
3 ELEVATOR HOISTWAY FLOOR DESIGNATION SIGN
3" = 1'-0"

NOTE:
PROVIDE SIGN ON BOTH JAMBS OF THE MAIN ENTRY LEVEL. SEE MOUNTING HEIGHTS.



6 FLOOR NUMBER SIGN
3" = 1'-0"

NOTES:
1. SIGN MUST BE PERMANENTLY ADHERED/SECURED OVER EXST CONCRETE SURFACE. LOCATE SIGN AT EXST LOCATION UNLESS NOTED OTHERWISE. CONSULT OWNER FOR FINAL LOCATION.
2. SIGN SHALL BE MADE OF 1/8" THK ACRYLIC OR THICKER, IN SATIN OR MATTE FINISH. EDGES MUST BE POLISHED.
3. COLOR AND DESIGN IS UPON OWNER'S APPROVAL.
4. FLOOR NUMBER SHALL MATCH ELEVATOR BUTTONS NUMBERING. COORDINATE WITH ELEVATOR MANUFACTURER.



APPROVED

The issuance hereunder of any permit or approval of plans, specifications, and other data shall not be construed to be a permit for, or approval of, any violation of any provisions of this code or of any other law. The issuance of a permit shall not prevent the building official from thereafter requiring the correction of errors in the plans and specifications or from halting building operations when in violation of the provisions of said chapters and this chapter or of any other law; nor shall it prevent the institute of criminal action and the imposition of penalty as prescribed under Section 18-7.1 hereof for violation of any of the provisions of said chapters and this chapter.

PERMIT NUMBER: 4/29/2025
APPROVED DATE: 4/29/2025
BY: Xi Jing Fang

- PALEKANA PERMITS
THIRD PARTY CERTIFICATION
- Building Code
 - Electrical Code
 - Mechanical Code
 - ZPRB (Land use Ordinance)
 - Structural (Non-Single / 2-Family Dwellings)

RMA ARCHITECTS INC.
T 808 591 1818 F 808 591 1618
1150 S. KING STREET, 8TH FLOOR,
HONOLULU, HAWAII 96814

DATE: 03/25/24
JOB NO.: 23-014
DRAWN BY: KO
DESIGNED BY: BIT

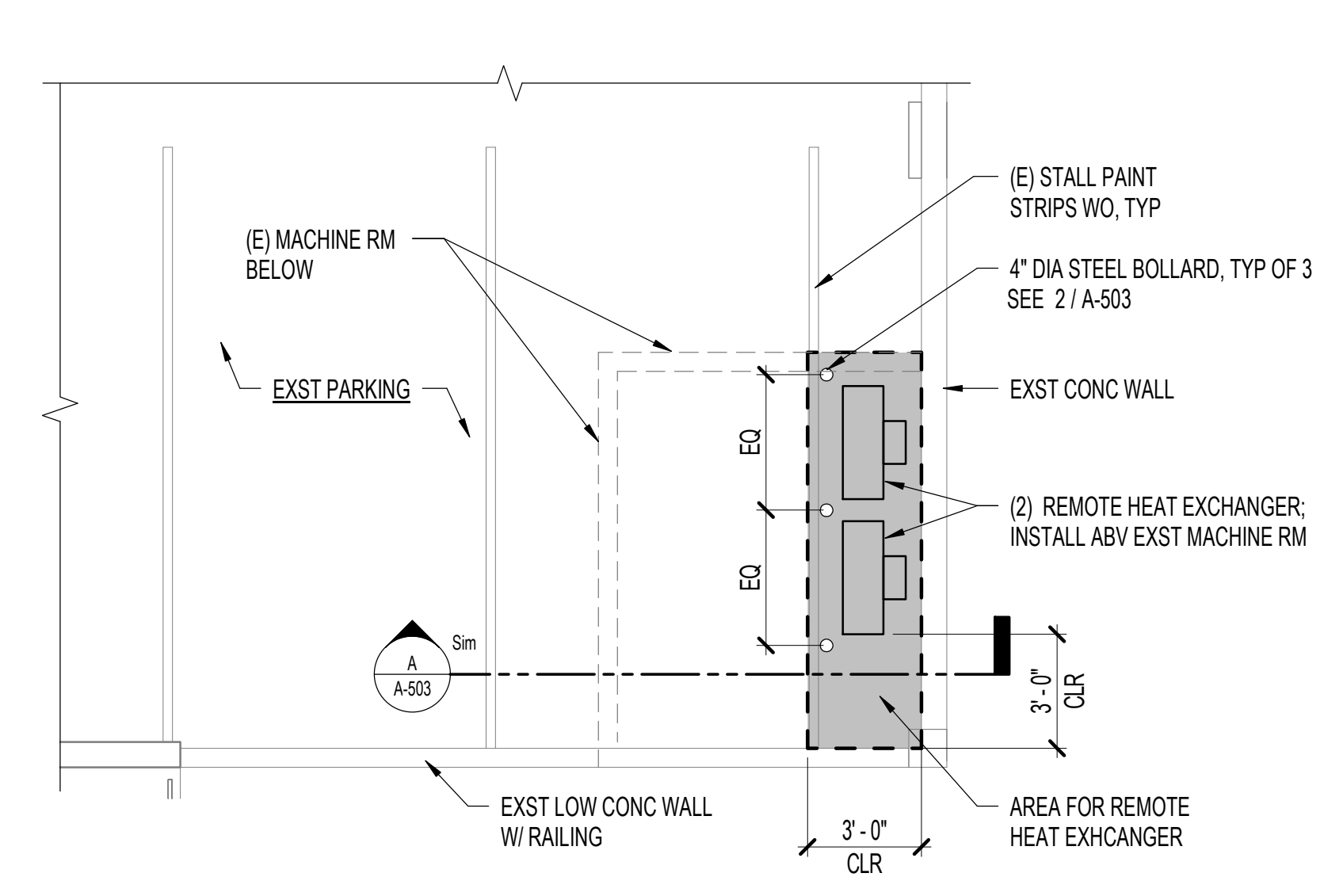


This work was prepared by me or under my supervision and construction of this project will be under my observation. (Observation of construction as defined in the current Hawaii Administrative Rules "Professional Engineers, Architects, Surveyors and Landscape Architects.")
Signature: Brent J. Lee

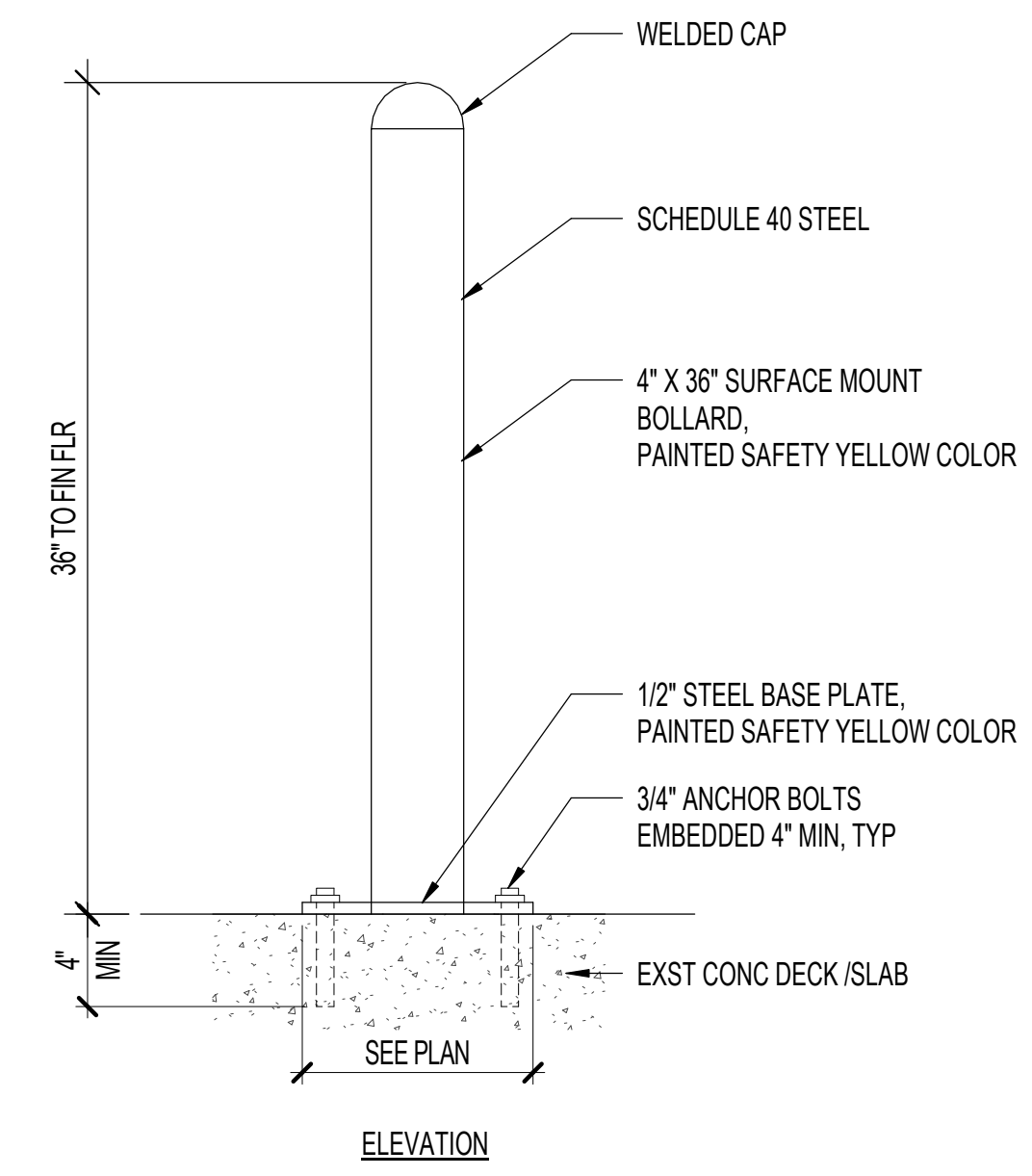
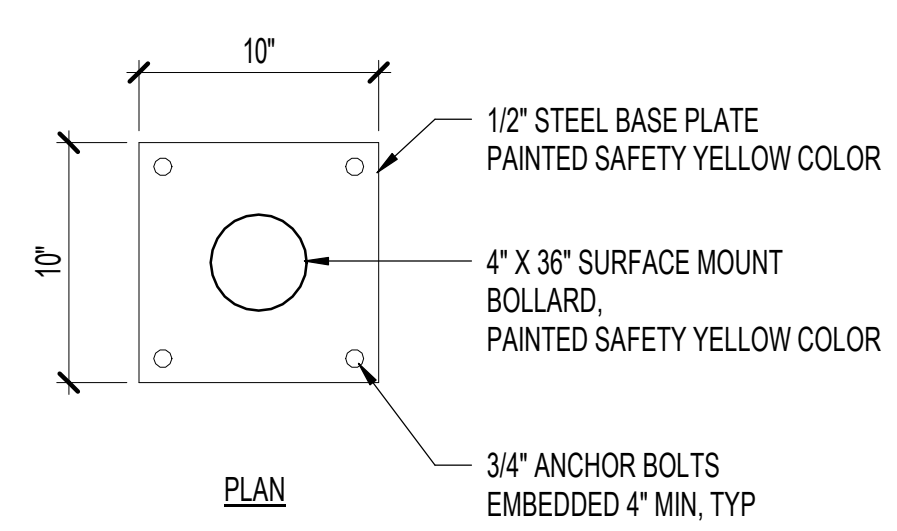
REV.	DATE	DESCRIPTION	BY

Project: HCDA KAUHALE KAKAAKO PARKING GARAGE
MODERNIZE TWO PASSENGER ELEVATORS
860 HALEKAUWILA STREET, KAKAAKO, HONOLULU, HAWAII, 96813
TMK: 2-1-050-013
Description: MISCELLANEOUS DETAILS

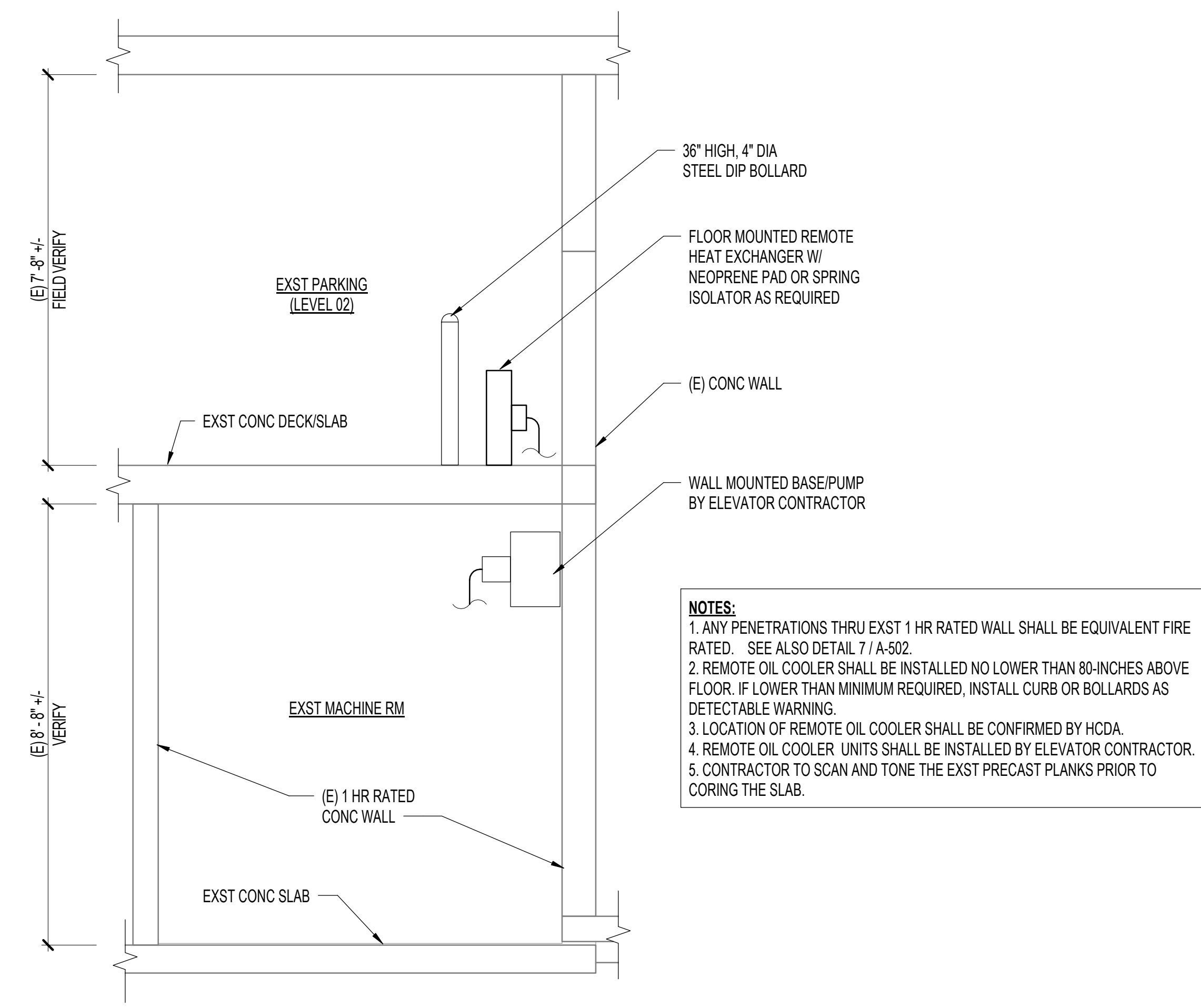
SHEET NUMBER
A503
12 OF 36 SHEETS



1 LEVEL 02 PARTIAL PARKING GARAGE PLAN
1/4" = 1'-0"

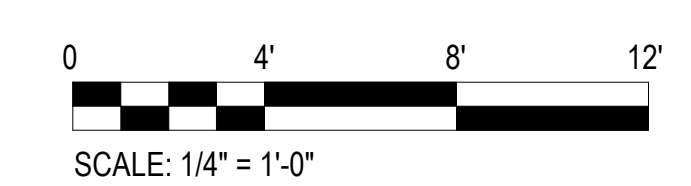
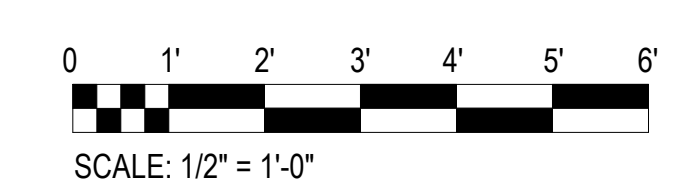
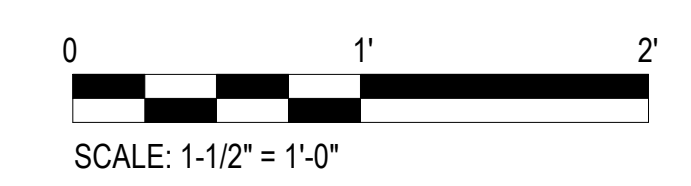


2 BOLLARD DETAIL
1 1/2" = 1'-0"



- NOTES:**
1. ANY PENETRATIONS THRU EXST 1 HR RATED WALL SHALL BE EQUIVALENT FIRE RATED. SEE ALSO DETAIL 7 / A-502.
 2. REMOTE OIL COOLER SHALL BE INSTALLED NO LOWER THAN 80-INCHES ABOVE FLOOR. IF LOWER THAN MINIMUM REQUIRED, INSTALL CURB OR BOLLARDS AS DETECTABLE WARNING.
 3. LOCATION OF REMOTE OIL COOLER SHALL BE CONFIRMED BY HCDA.
 4. REMOTE OIL COOLER UNITS SHALL BE INSTALLED BY ELEVATOR CONTRACTOR.
 5. CONTRACTOR TO SCAN AND TONE THE EXST PRECAST PLANKS PRIOR TO CORING THE SLAB.

A SECTION THRU (E) MACHINE RM
1/2" = 1'-0"



GENERAL NOTES:

- MATERIALS, WORKMANSHIP, DESIGN AND CONSTRUCTION MUST CONFORM TO THE DRAWINGS, SPECIFICATIONS, AND THE INTERNATIONAL BUILDING CODE (IBC), 2018 EDITION AS AMENDED BY THE STATE OF HAWAII.
- REFERENCE TO ASTM AND OTHER STANDARDS MEANS EDITION YEAR, INCLUDING ADDENDA AND REVISIONS, LISTED IN IBC CHAPTER 35, UNO.
- THE STRUCTURAL DRAWINGS INDICATE ONLY THE BASIC STRUCTURAL FRAME. SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL, FIRE PROTECTION, AND OTHER DRAWINGS FOR ORNAMENTS, GROOVES, CLIPS, GROUNDS, SLAB DEPRESSIONS, CURBS, EQUIPMENT PADS, PENETRATIONS, NON LOAD-BEARING WALLS AND OTHER NON-STRUCTURAL ITEMS.
- PRIOR TO FABRICATION, SUBMIT SHOP DRAWINGS AS REQUIRED BY THE SPECIFICATIONS AND REVIEWED BY THE CONTRACTOR TO THE ARCHITECT.
- ARCHITECTURAL DRAWINGS ARE CONSIDERED A PART OF THE STRUCTURAL DESIGN DRAWINGS AND MUST BE USED TO DEFINE AND DETAIL CONFIGURATION INCLUDING, BUT NOT LIMITED TO: RELATIVE LOCATION OF MEMBERS, ELEVATIONS, LOCATIONS OF OPENINGS, DEPRESSIONS, SLOPES, JOINTS, DIMENSIONS, GROOVES, NONLOAD-BEARING WALLS, FASCIA, ELEVATORS, STAIRS, CURBS/PADS, DRAINS, DUCTS, CHASES, PIPES, RAILINGS, WATERPROOFING, FINISHES, REQUIRED FIRE RATING, FIREPROOFING AND OTHER NON-STRUCTURAL ITEMS TO BE INCORPORATED IN STRUCTURAL WORK. REFER TO TYPICAL STRUCTURAL DETAILS FOR LIMITATIONS. COORDINATE WORK BETWEEN TRADES. SUBMIT DISCREPANCIES TO THE ARCHITECT IN WRITING AND RESOLVE DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.
- OPENING SIZES AND LOCATIONS WHEN INDICATED ON DRAWINGS ARE FOR INFORMATION ONLY AND MUST BE VERIFIED WITH THE APPROPRIATE DRAWING AND/OR SUPPLIER BEFORE CONSTRUCTION.
 - SEE ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION OF FLOOR AND WALL OPENINGS.
 - SEE MECHANICAL, PLUMBING, ELECTRICAL AND FIRE PROTECTION DRAWINGS FOR SIZE AND LOCATION OF OPENINGS REQUIRED FOR DUCTS, PIPES AND PIPE SLEEVES.
 - OPENINGS OR POCKETS LARGER THAN 6 INCHES NOT INDICATED IN STRUCTURAL DRAWINGS MUST NOT BE PLACED WITHOUT WRITTEN ACCEPTANCE FROM THE SEOR.
 - CONDUITS AND PIPES TO BE EMBEDDED IN CONCRETE MUST SATISFY THE REQUIREMENTS OF ACI 318-14 SECTION 6.3 AND REINFORCED CONCRETE NOTES.
- GENERAL NOTES, SCHEDULES, AND TYPICAL DETAILS MAY NOT BE SPECIFICALLY REFERENCED IN DRAWINGS AND MUST BE USED WHERE APPLICABLE, UNO. DETERMINE WHERE EACH TYPICAL DETAIL OR SCHEDULE APPLIES BEFORE PROCEEDING WITH WORK. NOTES AND DETAILS ON THE DRAWINGS TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS WHERE MORE STRINGENT.
- SUBMIT DISCREPANCIES, OMISSIONS, AND/OR CONFLICTS BETWEEN DRAWINGS, SPECIFICATIONS, BUILDING CODES, OR STANDARDS TO THE ARCHITECT IN WRITING AND RESOLVE DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.
- DO NOT SCALE DIMENSIONS FROM THE PLANS, SECTIONS AND/OR DETAILS OF THE STRUCTURAL DRAWINGS.
- EXISTING CONDITIONS ARE SHOWN FOR GENERAL INFORMATION ONLY AND MUST BE FIELD VERIFIED BEFORE WORK IS BEGUN. SUBMIT DISCREPANCIES TO THE ARCHITECT IN WRITING AND RESOLVE DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.
- SUBMIT SUBSTITUTIONS TO SPECIFIED MATERIALS OR DETAILS IN WRITING TO THE SEOR FOR REVIEW AND ACCEPTANCE PRIOR TO SHOP DRAWING PRODUCTION OR FIELD USE. INCLUDE SUPPORTING DOCUMENTATION TO SHOW EQUIVALENCY. SEOR MAY REQUEST PAYMENT FOR REVIEWING SUBSTITUTION REQUESTS. A DEDUCTIVE CHANGE ORDER MAY ALSO BE REQUESTED.
- CONFORM TO ASCE 7, CHAPTER 13 SEISMIC DESIGN OF ARCHITECTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS SUPPORTS AND ATTACHMENTS. SEE DESIGN CRITERIA FOR SEISMIC DESIGN CATEGORY, ISOLATORS, FASTENERS AND OTHER ELEMENTS PROVIDING STABILITY FOR COMPONENTS MUST BE APPROVED BY ICC OR EQUIVALENT TESTING PROCEDURES. PROVIDE SUSPENDED EQUIPMENT WITH LATERAL OR SWAY BRACING. SEE SPECIFICATIONS FOR RESPONSIBILITY OF BRACING DESIGN. IN ADDITION, MECHANICAL AND ELECTRICAL EQUIPMENT AND ANCHORAGE MUST BE DESIGNED FOR WIND LOADS IN ACCORDANCE WITH ASCE 7, CHAPTER 29.

CONSTRUCTION PROCEDURES & SAFETY REQUIREMENTS:

- THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE MEANS OR METHODS OF CONSTRUCTION. PROVIDE MEASURES NECESSARY TO PROTECT THE STRUCTURE, WORKMEN AND OTHER PERSONS DURING CONSTRUCTION. SUCH MEASURES MUST INCLUDE, BUT NOT BE LIMITED TO: BRACING, SHORING FOR CONSTRUCTION EQUIPMENT, SHORING FOR THE BUILDING, SHORING FOR EARTH BANKS, FORMS, SCAFFOLDING, PLANKING, SAFETY NETS, SUPPORT AND BRACING FOR CRANES AND GIN POLES, ETC.

CONSTRUCTION PROCEDURES & SAFETY REQUIREMENTS (CONTINUED):

- ENGAGE PROPERLY QUALIFIED PERSONS AS DEFINED BY OSHA TO DETERMINE WHERE AND HOW TEMPORARY PRECAUTIONARY MEASURES MUST BE USED AND INSPECT SAME IN FIELD.
- COMPLY WITH APPLICABLE CITY, COUNTY, STATE AND FEDERAL LAWS, INCLUDING THE OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA) AND REGULATIONS ADOPTED PURSUANT THERETO.
- CONSTRUCTION LOADS INCLUDING MATERIALS MUST NOT EXCEED THE DESIGN LIVE LOAD AS INDICATED IN THE STRUCTURAL DESIGN CRITERIA. SPREAD OUT CONSTRUCTION MATERIALS PLACED ON FRAMED FLOOR/ROOF TO AVOID HEAVY CONCENTRATED LOADS. PROVIDE ADEQUATE SHORING, RESHORING AND/OR BRACING WHERE STRUCTURE HAS NOT ATTAINED DESIGN STRENGTH.
- SUPERVISE AND DIRECT THE WORK SO AS TO MAINTAIN SOLE RESPONSIBILITY FOR COORDINATING THE WORK BETWEEN TRADES AND THE CHECKING OF DIMENSIONS. DISCREPANCIES MUST BE SUBMITTED TO THE ARCHITECT IN WRITING AND RESOLVED BEFORE PROCEEDING WITH THE WORK.
- SUPERVISE AND DIRECT THE WORK SO AS TO MAINTAIN SOLE RESPONSIBILITY FOR EXCAVATION PROCEDURES INCLUDING, BUT NOT LIMITED TO: DEWATERING, LAGGING, SHORING, PROTECTION OF ADJACENT STRUCTURES, STREETS AND UTILITIES IN ACCORDANCE WITH CITY, COUNTY, STATE AND FEDERAL SAFETY ORDINANCES.
- SUPERVISE AND DIRECT THE WORK SO AS TO MAINTAIN SOLE RESPONSIBILITY FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES. AS A PART OF THIS RESPONSIBILITY, RETAIN THE SERVICES OF A LICENSED STRUCTURAL ENGINEER TO DESIGN AND SUPERVISE SCAFFOLDING FOR WORKERS AND SHORING OF FORMWORK AND ELEMENTS OF CONSTRUCTION.
- OBSERVATION VISITS BY THE STRUCTURAL ENGINEER'S FIELD REPRESENTATIVE DO NOT INCLUDE INSPECTION OR REVIEW OF FORMWORK, SHORING/RESHORING, BRACING, RIGGING AND/OR OTHER TEMPORARY PRECAUTIONARY MEASURES.

EXISTING CONSTRUCTION:

- EXISTING CONDITIONS ARE FOR GENERAL INFORMATION ONLY AND MUST BE FIELD VERIFIED BEFORE WORK IS BEGUN. SUBMIT ALL DISCREPANCIES TO THE ARCHITECT IN WRITING AND RESOLVE DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.
- WHERE NEW STRUCTURE CONNECTS TO EXISTING, PROVIDE SHORING FOR EXISTING CONSTRUCTION PRIOR TO START OF WORK AS DETERMINED BY THE CONTRACTOR'S LICENSED STRUCTURAL ENGINEER.
- EXISTING CONSTRUCTION MUST NOT BE CUT OR CORED (OR HAMMERED THROUGH) UNLESS INDICATED IN THE STRUCTURAL DRAWINGS.
- NEW OPENINGS IN EXISTING CONSTRUCTION:
 - PROVIDE SHORING FOR SLABS, DECKS AND BEAMS IN THE VICINITY OF NEW OPENINGS PRIOR TO START OF WORK AS DETERMINED BY THE CONTRACTOR'S LICENSED STRUCTURAL ENGINEER.
 - NEW STRUCTURAL STEEL AND/OR REINFORCEMENT INDICATED AT NEW OPENINGS MUST BE IN PLACE AND SECURED PRIOR TO CUTTING NEW OPENING.
 - NEW OPENINGS MUST BE CORED OR SAW CUT AND EXISTING MATERIAL REMOVED SO AS NOT TO DAMAGE EXISTING STRUCTURE.
 - PROVIDE ADEQUATE CLEAR COVER TO SURROUNDING REINFORCEMENT AND/OR WIRE MESH IN ACCORDANCE WITH ACI REQUIREMENTS AND GENERAL NOTES.
 - PROTECT ALL REINFORCEMENT EXPOSED BY CUTTING WITH AN APPROVED RUST INHIBITOR.
- ATTACHMENT TO EXISTING CONCRETE:
 - BOLTS INSTALLED INTO EXISTING CONCRETE MUST UTILIZE AN EPOXY ADHESIVE OR MECHANICAL ANCHORING SYSTEM AS SPECIFIED IN THE DRAWINGS. INSTALLATION MUST BE IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS.
 - UTILIZE HOLE DRILLING PROCEDURE THAT WILL NOT DAMAGE EXISTING CONCRETE, POST-TENSIONING TENDONS OR REINFORCEMENT. VERIFY HOLE LOCATIONS UTILIZING A PACHOMETER OR OTHER NECESSARY MEANS (e.g. GROUND PENETRATING RADAR, X-RAY, ETC) TO LOCATE CONFLICTING REINFORCEMENT OR POST-TENSIONING TENDONS PRIOR TO THE FABRICATION OF STEEL ATTACHMENTS. DISCREPANCIES MUST BE SUBMITTED TO THE ARCHITECT IN WRITING AND RESOLVED BEFORE PROCEEDING WITH THE WORK.
 - USE PROPER HOLE DRILLING AND CLEANING TECHNIQUES. BRUSH HOLE TO REMOVE LOOSE MATERIAL AND BLOW OUT HOLE IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.
 - BOLT HOLES IN STEEL CONNECTIONS MUST BE STANDARD HOLES. AS A CONTRACTOR OPTION, OVERSIZED HOLES MAY BE ACCEPTABLE WHEN USED WITH WELDED PLATE WASHERS. CONTRACTOR MUST SUBMIT A SUBSTITUTION REQUEST IN WRITING FOR REVIEW AND ACCEPTANCE BY THE SEOR.
- NOTIFY ARCHITECT AND SPECIAL INSPECTOR IN WRITING TWO WORKING DAYS PRIOR TO DRILLING AND GROUTING FOR BOLTS AND/OR CUTTING OF EXISTING CONSTRUCTION.

DESIGN CRITERIA:

- THE STRUCTURAL DESIGN IS BASED ON THE PROVISIONS OF THE INTERNATIONAL BUILDING CODE (IBC), 2018 EDITION, AS AMENDED BY THE STATE OF HAWAII.
- MATERIAL AND WORKMANSHIP MUST CONFORM WITH THE REQUIREMENTS OF THE ABOVE REFERENCED CODES.
- DESIGN LOADS:
 - IN ADDITION TO THE SELF WEIGHT OF THE STRUCTURE, THE FOLLOWING UNIFORMLY DISTRIBUTED GRAVITY WERE USED FOR THE FINISHED STRUCTURAL DESIGN:

1. PUBLIC AREA	100 PSF
----------------	---------
 - WIND DESIGN DATA:

1. DESIGN WIND SPEED (3-SEC. GUST)	V = 137 MPH (ULTIMATE), V = 106 MPH (SERVICE)
2. RISK CATEGORY	II
3. EXPOSURE CATEGORY	C
4. TOPOGRAPHIC FACTOR	Kzt = 1.0
5. INTERNAL PRESSURE COEFFICIENT	Gcpi = ± 0.18
 - EARTHQUAKE DESIGN DATA:

1. RISK CATEGORY	II
2. SEISMIC IMPORTANCE FACTOR	I _e = 1.0
3. MAPPED SPECTRAL ACCELERATIONS	S _s = 0.577g, S ₁ = 0.168g
4. SITE CLASS	D
5. SPECTRAL RESPONSE COEFFICIENTS	S _{DS} = 0.515g, S _{DI} = 0.254g
6. SEISMIC DESIGN CATEGORY	C
 - EQUIPMENT DESIGN DATA:
 - WHERE APPLICABLE, EQUIPMENT LOADS ARE INCREASED FOR IMPACT PER IBC 1607.11.
 - STRUCTURAL COMPONENTS ARE NOT DESIGNED FOR VIBRATORY EQUIPMENT. PLACE VIBRATORY EQUIPMENT ON VIBRATION ISOLATORS.
 - LOADING OF MEP ROOMS ARE BASED ON WEIGHTS OF EQUIPMENT, AS INDICATED ON MEP DRAWINGS, INCLUDING WEIGHTS OF CONCRETE PADS, WHERE INDICATED. REPORT ANY PLANNED CHANGE IN TYPE, SIZE, LOCATION OR NUMBER OF EQUIPMENT TO ARCHITECT PRIOR TO COMMENCING WORK.
 - ELEVATOR GUIDERAIL SUPPORTS, MACHINE ROOMS, PITS, AND PENTHOUSES ARE BASED ON DIMENSIONS INDICATED ON ARCHITECTURAL DRAWINGS. WHEN CHANGES TO THE ELEVATOR ARE DESIRED, SUBMIT PROPOSED CHANGES TO THE ARCHITECT AND OBTAIN APPROVAL PRIOR TO PROCEEDING WITH WORK INVOLVED.

STRUCTURAL STEEL FRAMING:

- DETAIL, FABRICATE AND ERECT STRUCTURAL STEEL IN ACCORDANCE WITH THE AISC "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS".
- STRUCTURAL STEEL MATERIALS MUST CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS:
 - PLATES ASTM A36
 - HSS (SQUARE, ROUND, RECT) ASTM A500, GRADE C
 - ANCHOR BOLTS ASTM F1554, GRADE 36
- CONNECTIONS OF STRUCTURAL STEEL MUST CONFORM TO THE 14TH EDITION OF THE AISC STEEL CONSTRUCTION MANUAL AND THE FOLLOWING:
 - CONFORM TO RCSC SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS. INSTALL BOLTED CONNECTIONS SNUG-TIGHT. WHERE CONNECTIONS ARE NOTED AS SLIP-CRITICAL (SC), USE HIGH-STRENGTH BOLTS WITH DIRECT TENSION INDICATOR WASHERS OR TWIST-OFF TYPE TENSION-CONTROL BOLTS. FOR SC CONNECTIONS, PREPARE FAYING SURFACE TO MATCH CLASS B SURFACE. BOLT HOLES IN STEEL MUST BE STANDARD HOLES AS FOLLOWS, UNO

BOLT NOMINAL DIAMETER	HOLE SIZE
7/8" OR SMALLER	1/16" LARGER THAN BOLT DIAMETER
1" OR LARGER	1/8" LARGER THAN BOLT DIAMETER
 - WELDED CONNECTIONS - PERFORMED BY AWS CERTIFIED WELDERS IN CONFORMANCE WITH AWS D1.1, UNO. USE E70XX ELECTRODES, AND MATCHING FILLER MATERIAL PER TABLE 3.1 OF AWS D1.1. USE ONLY LOW-HYDROGEN ELECTRODES ON ASTM A572 AND A992 STEEL.
 - WELDS SHOWN ON DRAWINGS ARE MINIMUM BASED ON STRENGTH. INCREASE WELD SIZE TO AWS MINIMUM SIZES BASED ON PLATE THICKNESS, IF REQUIRED.
 - WELDS SHOWN ON DRAWINGS ARE FOR FINAL CONNECTIONS. UNLESS FIELD WELD SYMBOLS ARE SHOWN, DETERMINE IF A WELD SHOULD BE SHOP OR FIELD WELDED IN ORDER TO FACILITATE STEEL ERECTION. PROVIDE JOINT PREPARATIONS AND WELDING PROCEDURES, INCLUDING ROOT OPENINGS AND FACE DIMENSIONS, GROOVE ANGLES, BACKING BARS, COPES, TAPERS, AND SURFACE ROUGHNESS. SUBMIT WELDING PROCEDURES & WELDING CERTIFICATES TO SEOR PRIOR TO PERFORMING THE WORK. PROVIDE FINAL COPY TO THE SPECIAL INSPECTOR.

STRUCTURAL STEEL FRAMING (CONTINUED):

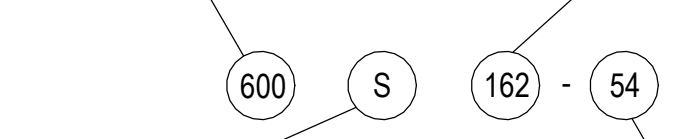
- WHERE NOT INDICATED ON DRAWINGS, WELDS ARE CONTINUOUS 3/16" FILLET WELDS, BUT NOT GREATER THAN THE AISC MAXIMUM OR LESS THAN THE AISC MINIMUM BASED ON THE THICKNESS OF THE PARTS JOINED.
- TOUCH UP FIELD WELDS AND CONNECTIONS AS WELL AS ABRASED AND RUSTED SHOP PAINT WITH SAME PAINT USED IN SHOP.
- AUTOMATICALLY END WELD HEADED STUDS AND DEFORMED BARS - IN ACCORDANCE WITH AWS D1.1
- ERECT MEMBERS WITH NATURAL OR INDUCED CAMBER UPWARDS, UNO. CAMBER INDICATED ON DRAWINGS INDICATES THE IN-SITU VALUE AT THE JOB SITE. ACCOUNT FOR ANY CAMBER LOSS DUE TO SHIPPING AND HANDLING.
- FIELD MODIFICATIONS OF STRUCTURAL STEEL SUCH AS THE BURNING OF HOLES, CUTTING OF STEEL, AND HEATING AND BENDING OF STEEL OR ANCHOR RODS IS NOT ALLOWED.
- THE SPICING OF STRUCTURAL STEEL WHERE NOT INDICATED IS NOT ALLOWED.
- STRUCTURAL STEEL SURFACES THAT ARE ENCASED IN CONCRETE MUST BE LEFT UNPAINTED.
- STRUCTURAL STEEL AND MISCELLANEOUS METAL EXPOSED TO WEATHER MUST BE HOT-DIPPED GALVANIZED PER ASTM A123 AFTER FABRICATION. COAT FIELD WELDS EXPOSED TO WEATHER WITH BRUSH APPLIED PAINT CONTAINING ZINC DUST COMPLYING WITH ASTM A780. ALL BOLTS AND ANCHOR RODS EXPOSED TO WEATHER MUST BE HOT-DIPPED GALVANIZED PER ASTM A153.
- GROUT (OR DRYPACK) BELOW BASE PLATES, BEAMS BEARING ON CONCRETE WALLS, ETC., MUST BE NON-SHRINK WITH f'c = 7,000 PSI.

COLD-FORMED STEEL FRAMING:

GENERAL

- DETAIL, FABRICATE AND ERECT IN ACCORDANCE WITH THE FOLLOWING DESIGN STANDARDS (AS REFERENCED IN THE BUILDING CODE) EXCEPT AS MODIFIED BELOW:
 - ANSI NORTH AMERICAN STANDARD FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, INCLUDING AMENDMENTS.
 - ASTM C1007 "STANDARD SPECIFICATION FOR INSTALLATION OF LOAD BEARING STEEL STUDS AND RELATED ACCESSORIES"
 - AWS D1.3 "STRUCTURAL WELDING CODE - SHEET STEEL"
- COLD-FORMED STEEL FRAMING REFERENCES ARE FROM THE STEEL STUD MANUFACTURER'S ASSOCIATION (SSMA) AND ARE CONSISTENT WITH THE FOLLOWING NOMENCLATURE:

MEMBER DEPTH (1/100 INCHES): (EX: 6" ≥ 600)	FLANGE WIDTH (1/100 INCHES): (EX: 1 5/8" = 1.625 ~162)
FOR ALL "T" SECTIONS, MEMBER DEPTH IS THE INSIDE TO INSIDE DIMENSION.	



STYLE:	MATERIAL THICKNESS (mils):
S = STUD OR JOIST SECTIONS []	27 = 22 ga. 54 = 16 ga.
T = TRACK SECTIONS []	33 = 20 ga. 68 = 14 ga.
U = CHANNEL SECTIONS []	43 = 18 ga. 97 = 12 ga.
F = FURRING CHANNEL SECTIONS	
- COLD-FORMED STEEL FRAMING MATERIALS MUST CONFORM TO THE FOLLOWING MINIMUM SPECIFICATIONS:
 - 18 GAUGE AND LIGHTER ASTM A653 SS GRADE 33
OR ASTM A1011 SS GRADE 33
 - 16 GAUGE AND HEAVIER ASTM A653 SS GRADE 50, CLASS 1 OR 3
OR ASTM A1011 SS GRADE 50
- CONNECTIONS FOR COLD-FORMED STEEL MUST CONFORM TO THE AISI NORTH AMERICAN STANDARD FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, INCLUDING AMENDMENTS AND THE FOLLOWING:
 - SELF-DRILLING SCREWS ASTM C1513
 - BOLTS, NUTS AND WASHERS ASTM 307
 - WELDED CONNECTIONS MUST CONFORM TO AWS D1.3 AND BE MADE IN THE SHOP. MEMBERS WITH BURN THROUGH MUST BE REPLACED OR REPAIRED.
- PROVIDE ADEQUATE MEASURES TO ENSURE THE CORROSION RESISTANCE OF THE STEEL MATERIALS AND FASTENERS. GALVANIZED COATINGS MUST CONFORM TO ASTM A653, G60 MINIMUM. WELD AREAS MUST BE RE-TOUCHED WITH THE APPROPRIATE PAINT OR COLD GALVANIZING TO RETAIN CORROSION RESISTANCE.

PALEKANA PERMITS
THIRD PARTY CERTIFICATION

Building Code Electrical Code

Mechanical Code ZPRB (Land use Ordinance)

Structural (Non-Single / 2-Family Dwellings)

CITY AND COUNTY OF HONOLULU
DEPARTMENT OF PLANNING AND PERMITTING

APPROVED

The issuance hereunder of any permit or approval of plans, specifications, and other data shall not be construed to be a permit for, or approval of, any violation of any provisions of this code or of any other law. The issuance of a permit shall not prevent the building official from thereafter requiring the correction of errors in the plans and specifications or from halting building operations when in violation of the provisions of said chapters and this chapter or of any other law; nor shall it prevent the institution of criminal action and the imposition of penalty as prescribed under Section 18-7.1 hereof for violation of any of the provisions of said chapters and this chapter.

A2024-11-04
PERMIT NUMBER: 4/29/2025
APPROVED DATE: 4/29/2025
BY: Xi Jing Fang

"Be a good neighbor build with aloha"

RMA
ARCHITECTS INC.

T 808 591 1818 F 808 591 1618
1150 S. KING STREET, 8TH FLOOR,
HONOLULU, HAWAII 96814

DATE: 03/25/2024

JOB NO.: 23-014

DRAWN BY: JBP

DESIGNED BY: LC

STEVEN M. BALDRIGE
LICENSED PROFESSIONAL ENGINEER
No. 7876-S
HAWAII, U.S.A.

Expires: April 30, 2026

This work was prepared by me or under my supervision and construction of this project will be under my observation. (Observation of construction as defined in the current Hawaii Administrative Rules "Professional Engineers, Architects, Surveyors and Landscape Architects")
FOR BALDRIDGE & ASSOCIATES STRUCTURAL ENGINEERING, INC.

Steven M. Baldrige
Signature

REV.	DATE	DESCRIPTION

Project: HCDA KAUHALE KAKAOKO PARKING GARAGE
MODERNIZE TWO PASSENGER ELEVATORS
860 HALEKAUWILA STREE, KAKAOKO, HONOLULU, HAWAII 96813

TMK: 2-1-0501013

Description: GENERAL NOTES

SHEET NUMBER

S001

13 OF 36 SHEETS

APPROVED

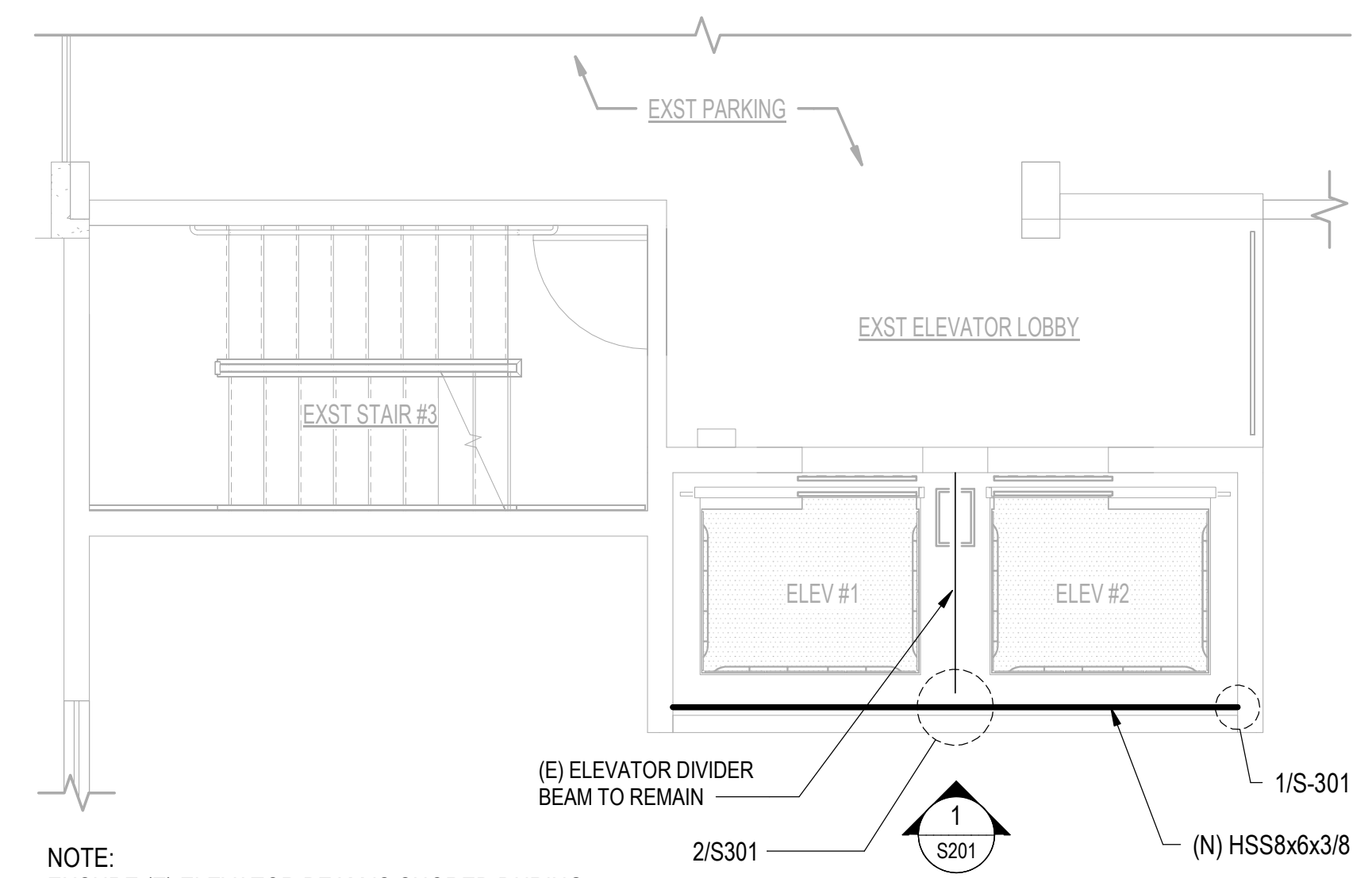
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PERMIT NUMBER: 4/29/2025
APPROVED DATE: 4/29/2025
BY: Xi Jing Fang

- PALEKANA PERMITS
THIRD PARTY CERTIFICATION
- Building Code
 - Electrical Code
 - Mechanical Code
 - ZPRB (Land use Ordinance)
 - Structural (Non-Single / 2-Family Dwellings)

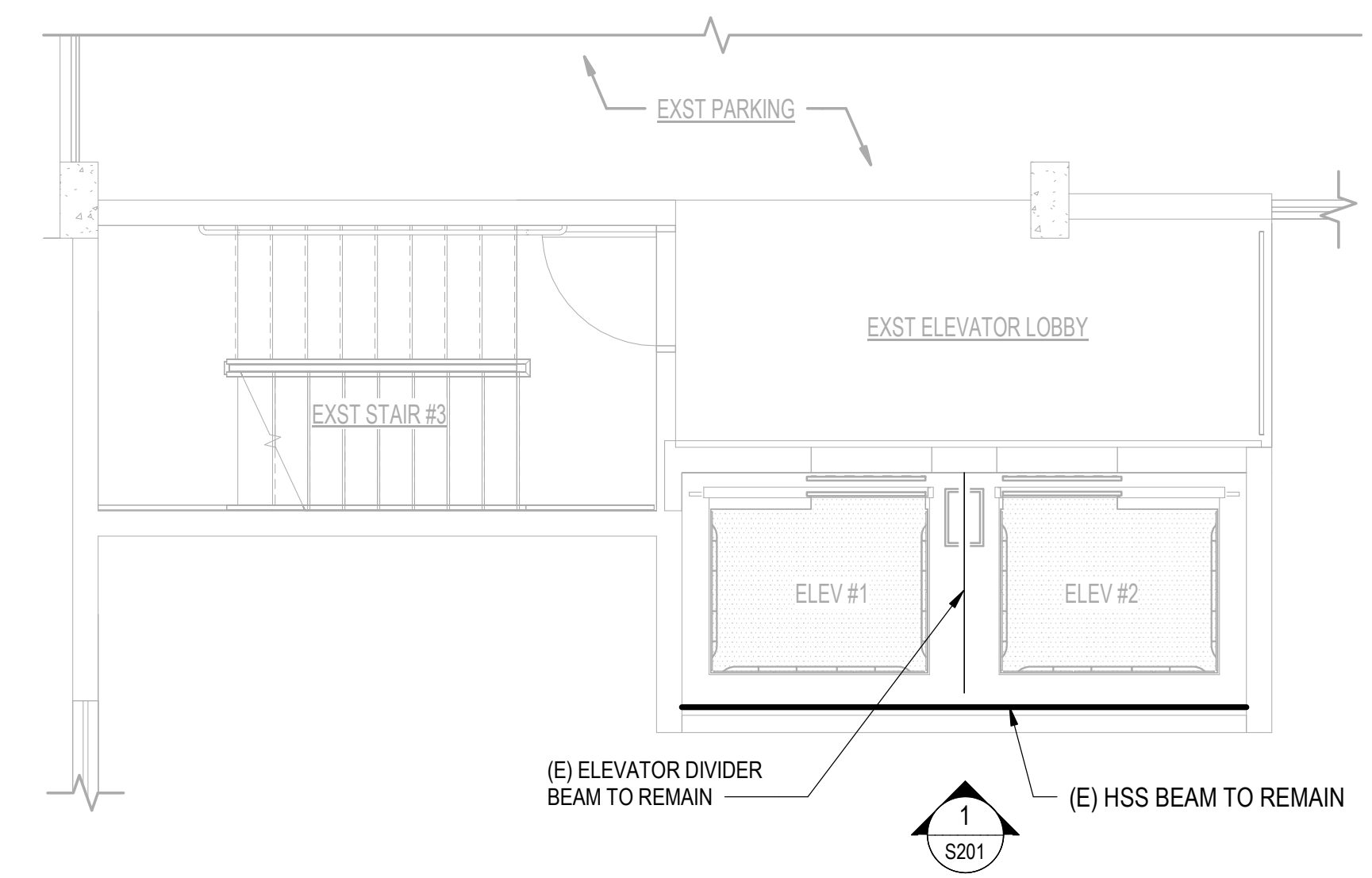
FRAMING PLAN NOTES:

- SEE SHEET S-001 FOR GENERAL NOTES.
- SEE SHEET S-301 FOR FRAMING DETAILS.

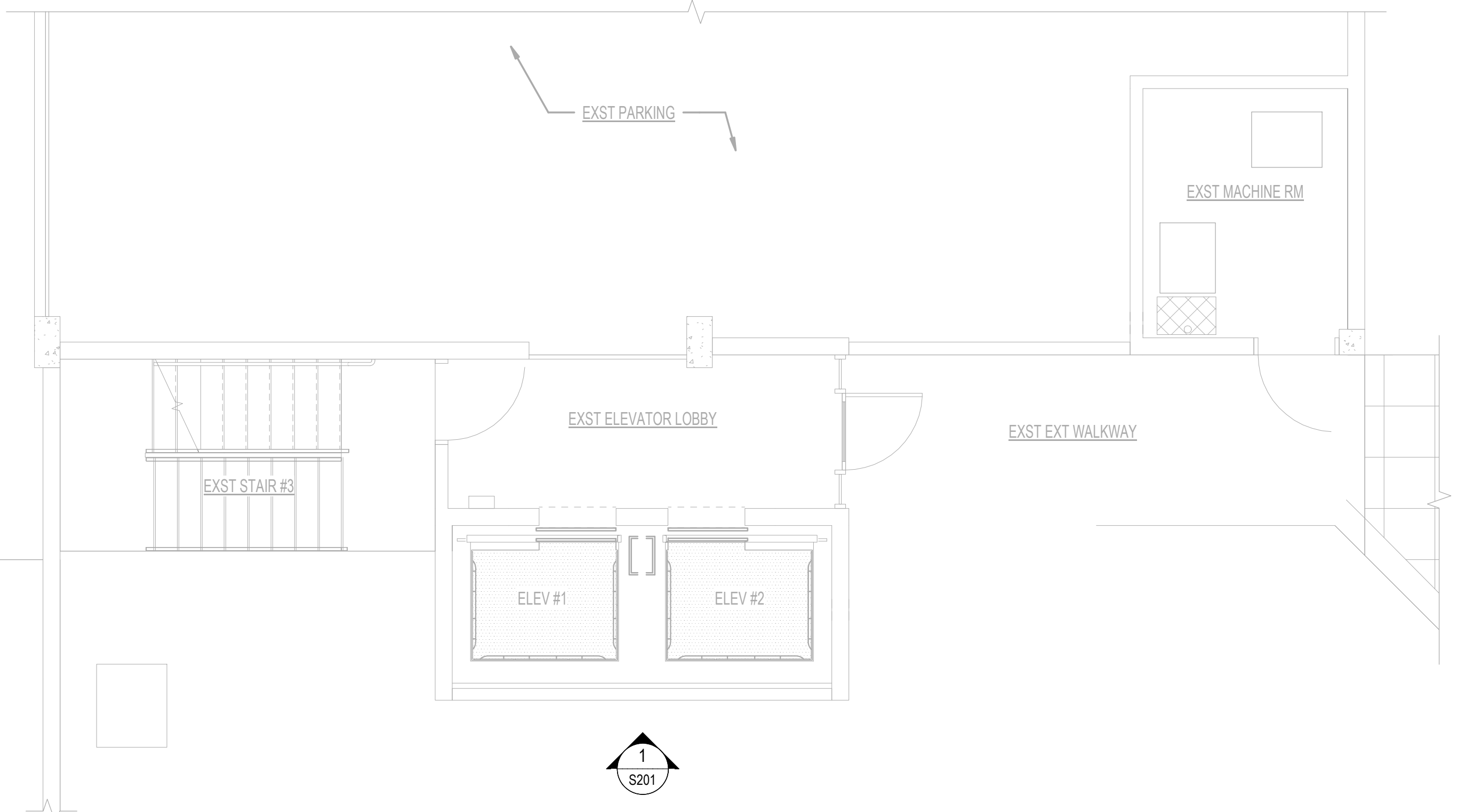


NOTE:
ENSURE (E) ELEVATOR BEAM IS SHORED DURING DEMO AND INSTALLATION OF HSS BEAM

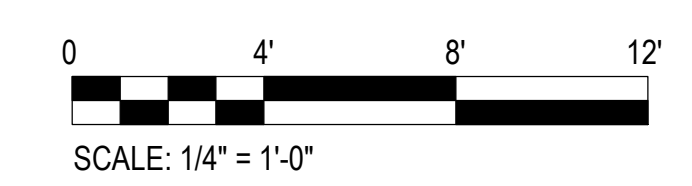
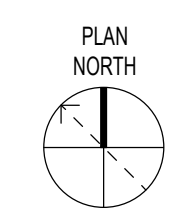
2 LEVEL 02-04 ELEVATOR LOBBY - FRAMING PLAN
1/4" = 1'-0"



4 LEVEL 05 ELEVATOR LOBBY - FRAMING PLAN
1/4" = 1'-0"

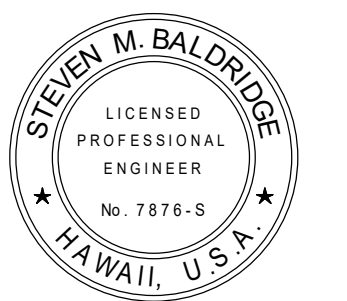


1 LEVEL 01 ELEVATOR LOBBY - FRAMING PLAN
1/4" = 1'-0"



RMA ARCHITECTS INC.
T 808 591 1818 F 808 591 1618
1150 S. KING STREET, 8TH FLOOR,
HONOLULU, HAWAII 96814

DATE: 03/25/2024
JOB NO.: 23-014
DRAWN BY: JBP
DESIGNED BY: LC



Expires: April 30, 2026
This work was prepared by me or under my supervision and construction of this project will be under my observation. (Observation of construction as defined in the current Hawaii Administrative Rules "Professional Engineers, Architects, Surveyors and Landscape Architects")
FOR BALDRIDGE & ASSOCIATES STRUCTURAL ENGINEERING, INC.
Signature

REV.	DATE	DESCRIPTION	BY

Project: HCDA KAUHALE KAKAAKO PARKING GARAGE
MODERNIZE TWO PASSENGER ELEVATORS
860 HALEKAUWILA STREET, KAKAAKO, HONOLULU, HAWAII 96813
TMK: 2-1-050-013
Description: FRAMING PLANS

SHEET NUMBER
S101
15 OF 36 SHEETS

APPROVED

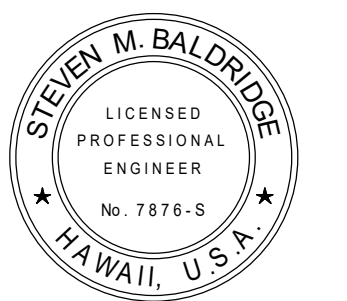
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PERMIT NUMBER: **23-014**
APPROVED DATE: **4/29/2025**
BY: **Xi Jing Fang**

- PALEKANA PERMITS
THIRD PARTY CERTIFICATION
- Building Code
 - Electrical Code
 - Mechanical Code
 - ZPRB (Land Use Ordinance)
 - Structural (Non-Single / 2-Family Dwellings)

RMA
ARCHITECTS INC.
T 808 591 1818 F 808 591 1618
1150 S. KING STREET, 8TH FLOOR,
HONOLULU, HAWAII 96814

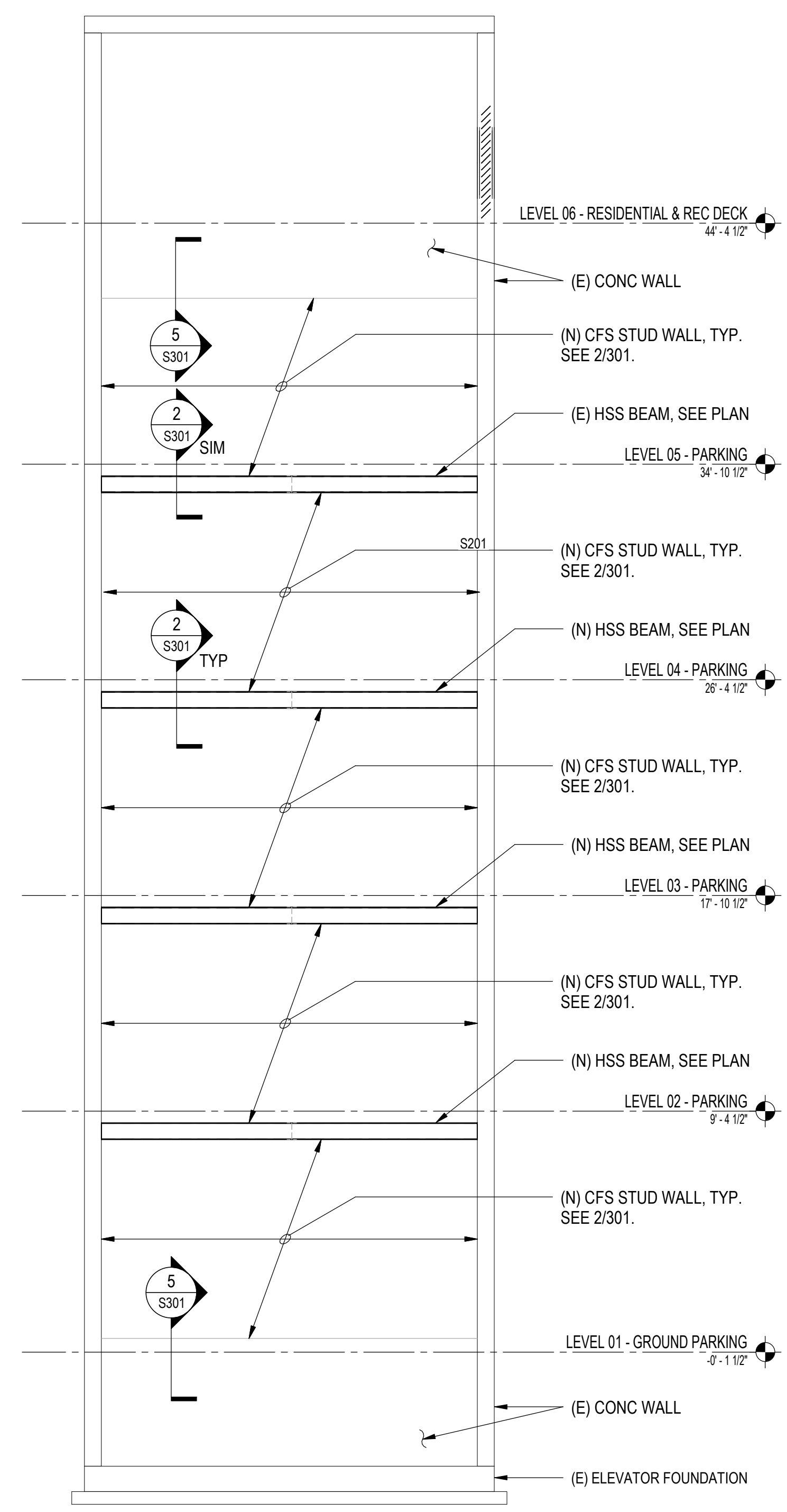
DATE: **03/25/2024**
JOB NO.: **23-014**
DRAWN BY: **JBP**
DESIGNED BY: **LC**



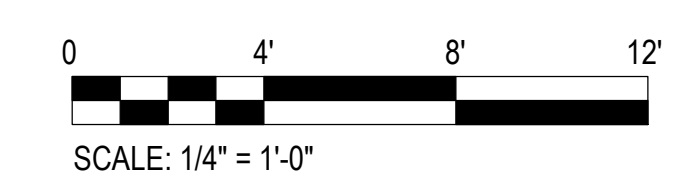
Expires: April 30, 2026
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FOR BALDRIDGE & ASSOCIATES STRUCTURAL ENGINEERING, INC.
Steven M. Baldrige
Signature

REV.	DATE	DESCRIPTION	BY

Project: **HCDA KAUHALE KAKAAKO PARKING GARAGE
MODERNIZE TWO PASSENGER ELEVATORS**
860 HALEKAUWILA STREET, KAKAAKO, HONOLULU, HAWAII 96813
TMK: 2-1-050:013
Description: **SOUTH ELEVATION - FRAMING**



1 SOUTH ELEVATION - FRAMING
1/4" = 1'-0"



SHEET NUMBER
S201
16 OF 36 SHEETS

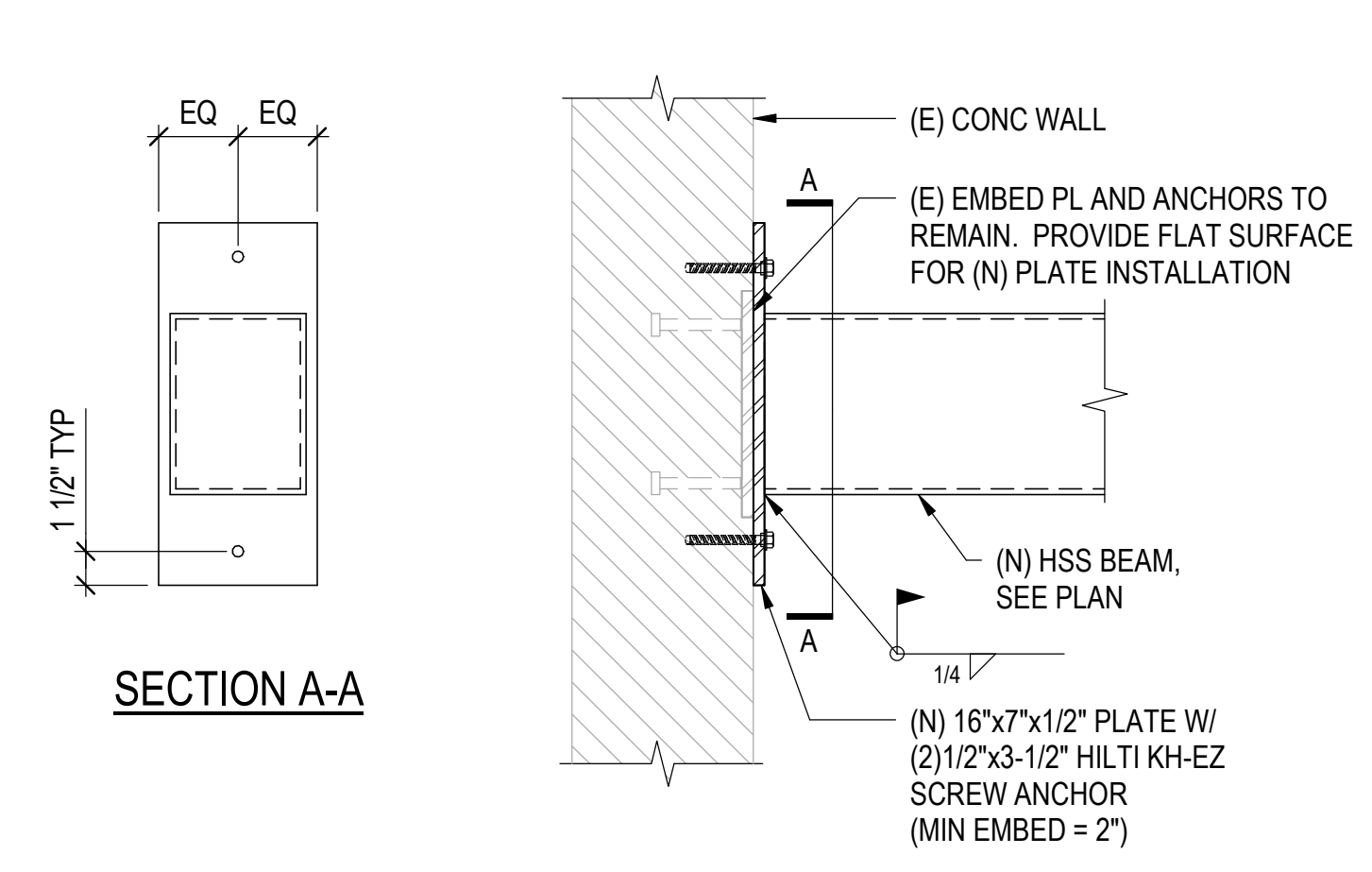
APPROVED

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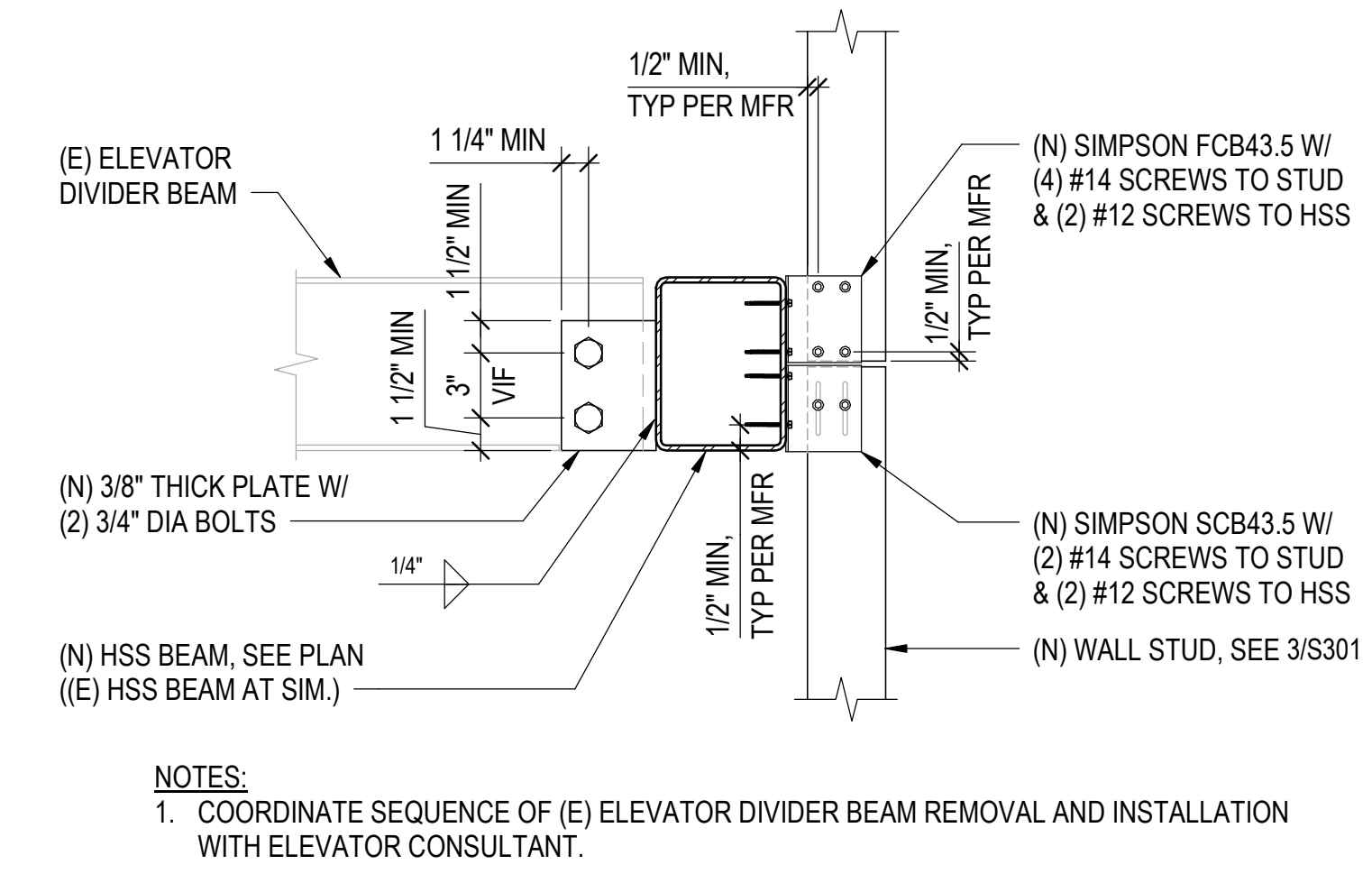
PERMIT NUMBER: 4/29/2025
APPROVED DATE: 4/29/2025
BY: Xi Jing Fang

PALEKANA PERMITS
THIRD PARTY CERTIFICATION

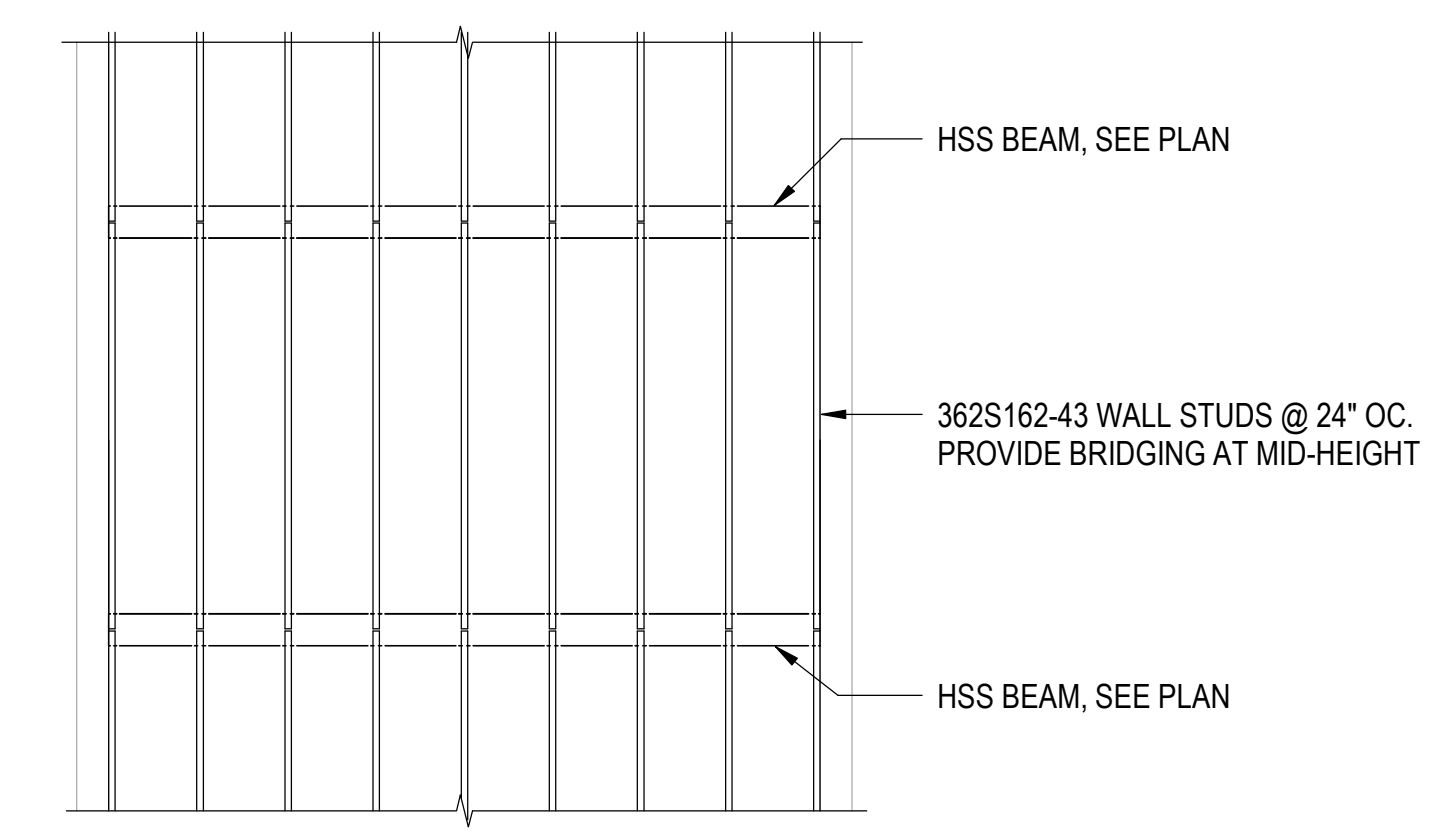
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<input type="checkbox"/> Mechanical Code	<input type="checkbox"/> ZPRB (Land use Ordinance)
<input type="checkbox"/> Structural (Non-Single / 2-Family Dwellings)	



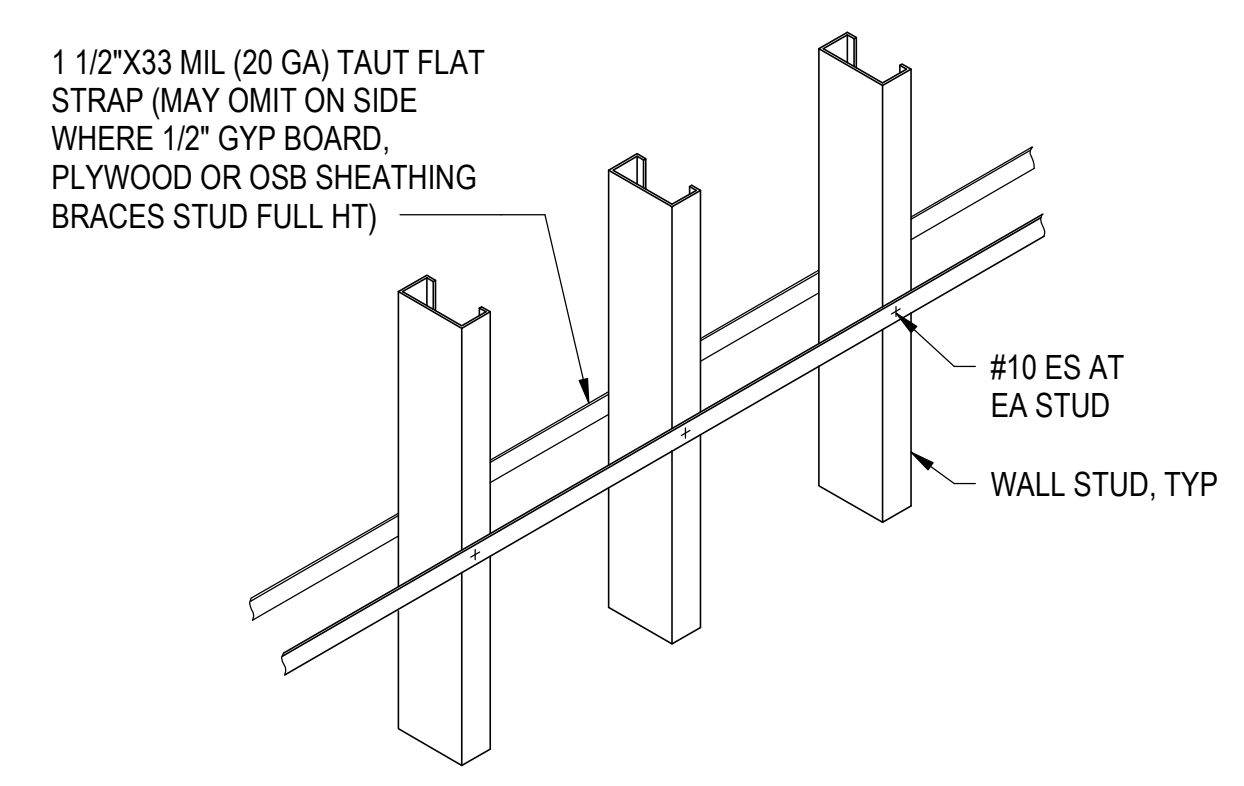
1 ELEV. CLADDING SUPPORT BEAM CONN. @ WALL DETAIL
1 1/2" = 1'-0"



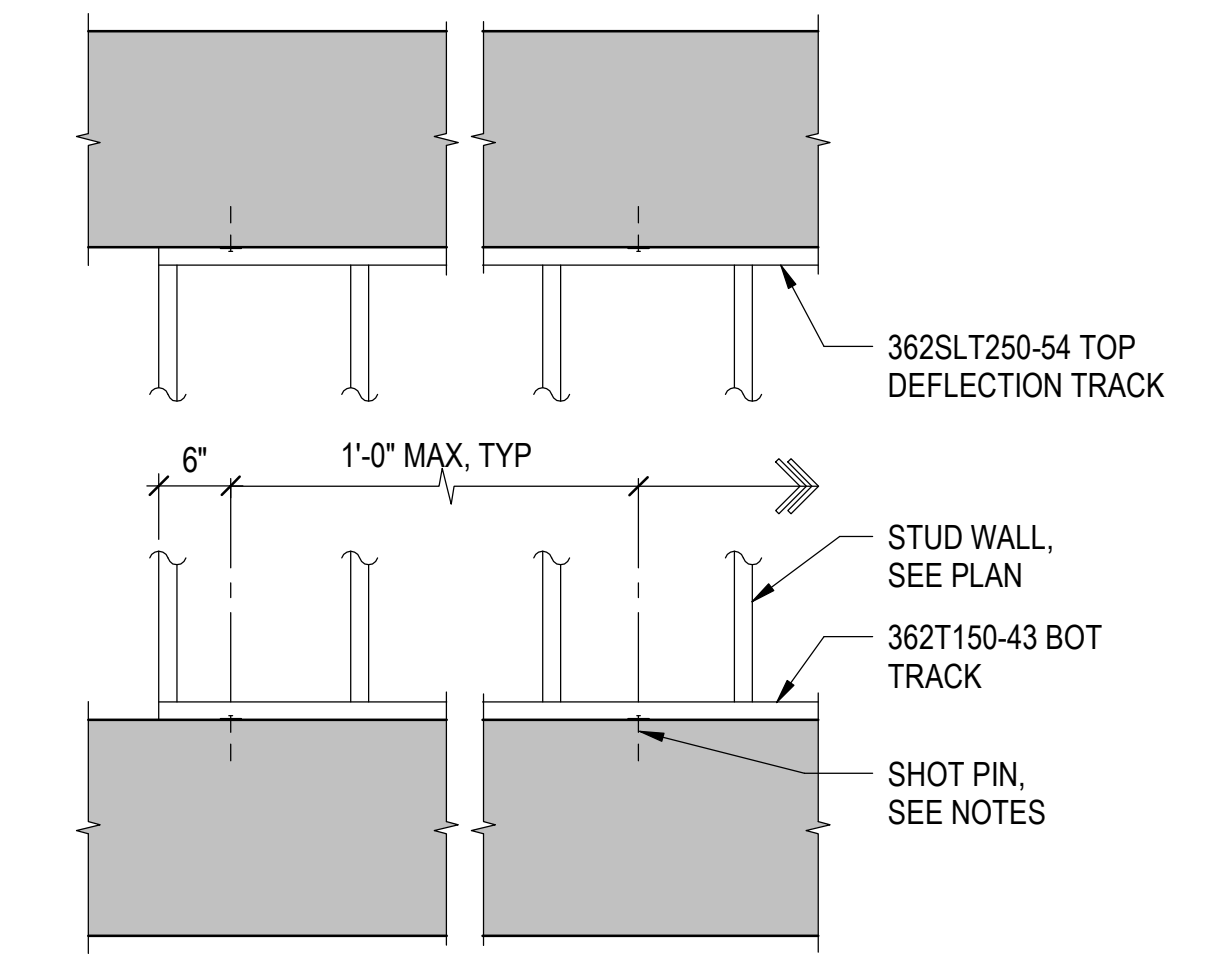
2 STEEL BEAM CONNECTION DETAIL
1 1/2" = 1'-0"



3 STUD WALL FRAMING ELEVATION
1/4" = 1'-0"

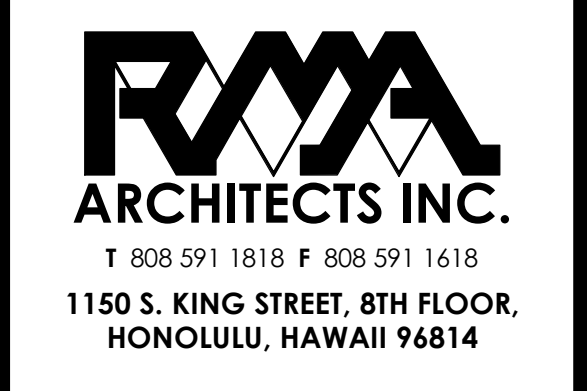
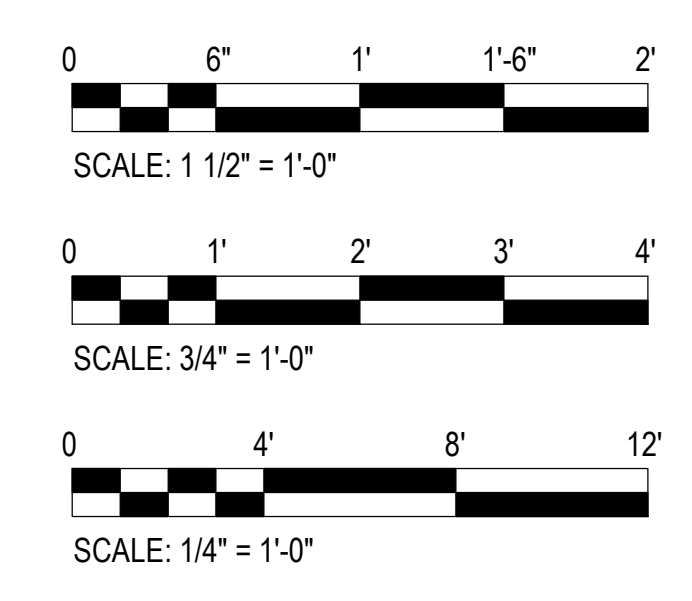


4 TYPICAL WALL BRIDGING
1 1/2" = 1'-0"



- NOTES:
- USE 0.145"ØX1 1/2" LONG SHOT PINS WITH 1"ØX.08" THICK PLATE WASHERS. EACH TRACK PIECE SHALL HAVE (2) SHOT PINS MINIMUM. SHOT PINS SHALL NOT BE INSTALLED UNTIL CONCRETE HAS CURED FOR 7 DAYS MINIMUM.
 - LOCATE SHOT PINS IN THE CENTER OF THE TRACK.
 - FASTEN STUD TO BOTTOM TRACK WITH (1) #10 SCREW ES. FASTEN STUD TO TOP DEFLECTION TRACK WITH (2) #10 SCREW ES.

5 TRACK ANCHORAGE TO CONCRETE
3/4" = 1'-0"



DATE: 03/25/2024
JOB NO.: 23-014
DRAWN BY: JBP
DESIGNED BY: LC

STEVEN M. BALDRIGE
LICENSED PROFESSIONAL ENGINEER
No. 7876-S
HAWAII, U.S.A.
Expires: April 30, 2026

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FOR BALDRIGE & ASSOCIATES STRUCTURAL ENGINEERING, INC.

Signature
Signature

REV.	DATE	DESCRIPTION

Project: HCDA KAUHALE KAKAAKO PARKING GARAGE
MODERNIZE TWO PASSENGER ELEVATORS
860 HALEKAUWILA STREET, KAKAAKO, HONOLULU, HAWAII 96813
TMK: 2-1-050-013
Description: TYPICAL DETAILS

SHEET NUMBER
S301
17 OF 36 SHEETS

FIRE PROTECTION GENERAL NOTES:

- THE ENTIRE INSTALLATION SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF THE HAWAII STATE FIRE CODE, UNIFORM FIRE CODE, NATIONAL FIRE PROTECTION ASSOCIATION CODE, NATIONAL ELECTRICAL CODE, AND ALL OTHER AGENCIES HAVING JURISDICTION.
- THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO COVER THE COMPLETE INSTALLATION OF SYSTEMS TO FUNCTION AS DESCRIBED AND SPECIFIED. THE OMISSION OF REFERENCE TO ANY NECESSARY ITEM OF LABOR OR MATERIAL SHALL NOT RELIEVE THE CONTRACTOR FROM PROVIDING SUCH LABOR AND MATERIAL.
- ALL EQUIPMENT SHALL BE CAPABLE OF FITTING INTO THE SPACES ALLOCATED WHILE MEETING THE MANUFACTURER'S RECOMMENDED ACCESS REQUIREMENTS. REVIEW ALL SPACES WHERE EQUIPMENT IS TO BE INSTALLED PRIOR TO ORDERING OF EQUIPMENT AND NOTIFY THE ENGINEER OF ANY INADEQUATE CLEARANCES OR CONDITIONS THAT WILL PREVENT THE PROPER INSTALLATION, MAINTENANCE, AND OPERATION OF THE EQUIPMENT.
- PROVIDE SHOP DRAWINGS FOR THE LAYOUT OF FIRE SPRINKLER AND FIRE ALARM SYSTEMS SHOWING COORDINATION OF ALL WORK WITH ALL OTHER TRADES, INCLUDING PLUMBING, AIR CONDITIONING, CONTROLS, ELECTRICAL AND COMMUNICATION SYSTEMS. COORDINATION DRAWINGS SHALL OVERLAY HVAC, PLUMBING, FIRE SPRINKLER, ELECTRICAL AND FIRE ALARM SYSTEMS, AND ALL CONFLICTS BETWEEN TRADES SHALL BE NOTED AND RESOLVED.
- VERIFY AND COORDINATE ALL ROOF, WALL AND FLOOR PENETRATIONS WITH THE STRUCTURAL AND ARCHITECTURAL DRAWINGS AND NOTIFY THE ENGINEER OF ANY CONFLICTS PRIOR TO START OF CONSTRUCTION.
- OBTAIN APPROVAL FROM THE STRUCTURAL ENGINEER BEFORE MAKING ANY PENETRATIONS THROUGH STRUCTURAL MEMBERS, WALLS AND SLABS.
- TONE AND LOCATE ALL UTILITY LINES OR OTHER INTERFERENCES IN AREAS OF PROPOSED TRENCH WORK PRIOR TO START OF EXCAVATION. REPAIR OR PAY FOR ALL DAMAGES TO EXISTING UTILITIES.
- DRAWINGS DO NOT ATTEMPT TO SHOW EXACT DETAILS OF PIPING. PROVIDE OFFSETS AS NECESSARY TO AVOID LOCAL OBSTRUCTIONS OR INTERFERENCE WITH OTHER TRADES. REVIEW ALL PIPING AND DUCT RUNS PRIOR TO FABRICATION AND IMMEDIATELY NOTIFY THE GENERAL CONTRACTOR OF ANY INTERFERENCE AND/OR LACK OF ADEQUATE CLEARANCES.
- SHOULD PROJECT CONDITIONS REQUIRE REARRANGEMENT OF WORK, MARK SUCH CHANGES ON THE AS-BUILT DRAWINGS AND NOTIFY THE ENGINEER. IF THESE CHANGES REQUIRE ALTERNATE METHODS TO THOSE APPROVED BY THE CONTRACT DOCUMENTS, SUBMIT SHOP DRAWINGS SHOWING THE PROPOSED ALTERNATE METHODS TO THE ENGINEER FOR REVIEW. DO NOT PROCEED UNTIL REVIEWED.
- REPAIR ANY DAMAGE TO EXISTING CONSTRUCTION RESULTING FROM THE INSTALLATION OF MECHANICAL ITEMS. THE AREAS REPAIRED SHALL MATCH THE ADJACENT SURFACES IN TEXTURE AND COLOR.
- PROPERLY FIRE STOP ALL PENETRATIONS THROUGH FIRE RATED WALLS, FLOORS, OR PARTITIONS WITH A UL APPROVED SYSTEM APPROPRIATE FOR THE PENETRATION TYPE AND FIRE RATING IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS. FIRE STOP ALL PENETRATIONS BETWEEN FLOORS.
- SEISMICALLY BRACE ALL EQUIPMENT AND PIPING IN ACCORDANCE WITH THE SPECIFICATIONS. PROVIDE ZONE-OF-INFLUENCE CALCULATIONS.
- TWO SETS (2) OF COMPLETE WORKING PLANS AND HYDRAULIC CALCULATIONS STAMPED AND SIGNED BY A HAWAII LICENSED MECHANICAL ENGINEER SHALL BE SUBMITTED, AS APPLICABLE, TO THE FIRE PROTECTION SPECIAL INSPECTOR (FPSI) FOR CODE COMPLIANCE REVIEW. ONE (1) SET WITH THE FPSI APPROVAL STAMP SHALL BE SUBMITTED TO THE DPP BUILDING DIVISION ALONG WITH THE FPSI FINAL REPORT/LETTER PRIOR TO CLOSING OF THE BUILDING PERMIT.
- COORDINATE WITH OTHER TRADES AND CONFIRM THE EXACT EQUIPMENT LOCATIONS AND MOUNTING HEIGHT OF THE MECHANICAL EQUIPMENTS, FIRE ALARM DEVICES, PLUMBING WORK, ELECTRICAL WORK, LIGHT FIXTURES, AND AIR CONDITIONING DUCTS.
- SEAL ALL PENETRATIONS THROUGH FIRE RATED WALLS AND SLABS USING A U.L. LISTED FIRE RATED SEALANT TO MAINTAIN THE INTEGRITY OF THE FIRE RATING.

- PROVIDE PROPER THRUST RESTRAINT AT ALL CHANGES IN DIRECTION OF PIPE.
- THE FIRE SPRINKLER SYSTEM SHOWN IS ~~CONCEPTUAL~~. THE EQUIPMENT IS SHOWN IN SUGGESTED LOCATIONS, FINAL QUANTITY AND LAYOUT SHALL BE IN ACCORDANCE WITH APPLICABLE CODES, MANUFACTURER'S RECOMMENDATIONS, AND EQUIPMENT LISTING. SHOP SUBMITTALS SHALL SHOW SPRINKLER DETAILS IN ACCORDANCE WITH NFPA 13 AND THE MANUFACTURER'S EQUIPMENT LISTING INSTALLATION REQUIREMENTS.
- AUTOMATIC SPRINKLER AND STANDPIPE PROTECTION IS REQUIRED THROUGHOUT THE ENTIRE BUILDING IN ACCORDANCE WITH NFPA 13.
- FIRE SPRINKLER SHALL BE SERVED BY WATER SUPPLY SOURCE SERVING THE HCDA KAKAAKO PARKING GARAGE WITH FLOW TEST DATA PROVIDED BY THE BOARD OF WATER SUPPLY RECEIVED ON AUGUST 7, 2023
 LOCATION: HYDRANT NUMBER M02047 ON HALEKAUWILA ST
 FLOW: 4000 GPM
 STATIC: 73 PSI
 RESIDUAL: 50 PSI
- SPRINKLER DESIGN REQUIRED PRESSURE (RESIDUAL) SHALL BE BASED ON A MINIMUM 10 PSI SAFETY FACTOR.
- THE WET-PIPE SYSTEM SHALL BE HYDRAULICALLY DESIGNED AND INSTALLED IN ACCORDANCE WITH THE FOLLOWING CRITERIA:
ELEVATOR MACHINE ROOM, ELEVATOR PIT, AND TOP OF ELEVATOR SHAFT
 OCCUPANCY CLASSIFICATION: ORDINARY GROUP 2 HAZARD
 DESIGN METHOD: AREA/DENSITY
 SPRINKLER: QUICK RESPONSE
 TEMP RATING: HIGH (250 DEGREES F)
 DESIGN DENSITY: 0.2 GPM/SF
 DESIGN AREA: 1500 SF (SPACED AT 130 SF FS COVERAGE)
 HOSE STREAM: 250 GPM
 DURATION: 60 MIN.
 K-FACTOR: 8.0K MINIMUM
- PROVIDE EARTHQUAKE PROTECTION (SWAY BRACING) IN ACCORDANCE WITH NFPA 13. USE A HORIZONTAL FORCE FACTOR OF HALF THE WEIGHT OF THE WATER FILLED PIPE. PROVIDE SURGE RESTRAINT CLIPS ON ALL HANGAR RINGS. PROVIDE END OF BRANCH RESTRAINT FOR ALL BRANCH LINES OVER 4 FEET OR WHERE SUBJECT TO DAMAGE OR WHERE UPWARD OR LATERAL MOVEMENT OF THE SYSTEM PIPING WOULD RESULT IN DAMAGE TO THE SPRINKLER THROUGH IMPACT AGAINST THE BUILDING STRUCTURE, EQUIPMENT, OR FINISH MATERIALS.
- SPRINKLER PIPING SHALL BE SCHEDULE 40 BLACK STEEL
 ALL FIRE SPRINKLER PIPING, FITTINGS, VALVES, SUPPORTS, HANGERS, AND RODS SHALL BE PAINTED PRIMED AND PAINTED RED WITH EPOXY COATING TO PREVENT CORROSION.
- ALL DEVICES AND EQUIPMENT SHALL BE UL LISTED OR FM APPROVED.
- PROVIDE UL LISTED FS EXPANSION/SEISMIC JOINTS AT THE BUILDINGS EXPANSION JOINT TO ACCOMMODATE UP TO 4" OF MOVEMENT.
- TEMPERATURE RATINGS FOR ALL SPRINKLERS SHALL BE APPROPRIATE FOR THE LOCATION IN ACCORDANCE WITH NFPA 13. PROVIDE QUICK RESPONSE SPRINKLERS THROUGHOUT THE FACILITY UNLESS OTHERWISE NOTED. SPRINKLERS WITH O-RINGS ARE NOT PERMITTED.
- THE CONTRACTOR SHALL COMPLY WITH OSHA 29 CFR 1910.36 AND 29 CFR 1910.37.
- PROVIDE INSPECTION AND HYDROSTATIC TEST AND SUBMIT CONTRACTOR'S MATERIAL AND TEST CERTIFICATES FOR ABOVE GROUND AND UNDERGROUND PIPING IN ACCORDANCE WITH NFPA 13. PRIOR TO HYDROSTATIC TEST, THE CONTRACTOR SHALL PERFORM AN AIR PRESSURE TEST TO LOCATE ANY POTENTIAL LEAKAGE.
- PROVIDE LABELS AND VISIBLE IDENTIFICATION INDICATING LOCATION OF ALL FLOOR CONTROL VALVES, INSPECTOR'S TEST STATIONS; AND FIRE DEPARTMENT CONNECTIONS.
- COORDINATE SPRINKLER LINE ROUTING WITH CEILING HEIGHTS AND OTHER EQUIPMENT, DUCTS, AND PIPING IN THE CEILING. CONTRACTOR SHALL FOLLOW THE PROPOSED MAIN ROUTING AS MUCH AS POSSIBLE.
- ALL WATER FLOW SWITCHES AND CONTROL VALVES SHALL BE ELECTRICALLY SUPERVISED BY THE FIRE ALARM PANEL.
- LOCATE FS HEADS PER NFPA 13 TO AVOID ANY OBSTRUCTIONS. COORDINATE WITH SOFFIT, LIGHT FIXTURE, AND DUCTWORK LOCATIONS.

- PROVIDE INSPECTIONS AND HYDROSTATIC TESTS IN ACCORDANCE WITH NFPA 13. PRIOR TO HYDROSTATIC TEST, CONTRACTOR SHALL PERFORM AN AIR PRESSURE TEST TO LOCATE POTENTIAL LEAKAGE POINTS.
- ALL SPRINKLER CONTROL VALVES SHALL BE MONITORED BY TAMPER SWITCHES. COORDINATE INTERFACE WITH FIRE ALARM SYSTEM WITH THE FIRE ALARM CONTRACTOR.
- ALL VALVES CONTROLLING THE WATER SUPPLY FOR AUTOMATIC SPRINKLER SYSTEMS AND WATER FLOW SWITCHES ON ALL SPRINKLER SYSTEMS SHALL BE ELECTRONICALLY MONITORED WHERE THE NUMBERS OF SPRINKLERS ARE:
 1) TWENTY OR MORE IN A GROUP I, DIVISIONS 1.1 AND 1.2 OCCUPANCIES.
 2) ONE HUNDRED OR MORE IN ALL OTHER OCCUPANCIES.
- VALVE MONITORING AND WATER FLOW ALARM AND TROUBLE SIGNALS SHALL BE DISTINCTLY DIFFERENT AND SHALL BE AUTOMATICALLY TRANSMITTED TO AN APPROVED CENTRAL STATION. REMOTE STATION OR PROPRIETARY MONITORING STATION AS DEFINED BY UFC STANDARD 10-2 OR, WHEN APPROVED BY THE BUILDING OFFICIAL WITH THE CONCURRENCE OF THE CHIEF, SHALL SOUND AN AUDIBLE SIGNAL AT A CONSTANTLY ATTENDED LOCATION. VALVE MONITORING, WATER FLOW AND TROUBLE SIGNALS SHALL BE MONITORED ON THE ISLAND OF OAHU. EXCEPTION: UNDERGROUND KEY OR HUB VALVES IN ROADWAY BOXES PROVIDED BY THE MUNICIPALITY OR PUBLIC UTILITY NEED NOT BE MONITORED. 2018 UFC, SECTION 1003.3.1 AS AMENDED.
- SPARE SPRINKLER HEADS SHALL BE PROVIDED AND STORED IN A CABINET IN A LOCATION APPROVED BY THE CHIEF AS FOLLOWS:
 1) 1-300 SPRINKLERS 06 HEADS
 2) 301-1000 SPRINKLERS 12 HEADS
 3) OVER 100 SPRINKLERS 24 HEADS
 IN ADDITION, THREE SPRINKLER STOPPERS AND A SPECIAL SPRINKLER WRENCH SHALL BE PROVIDED AND KEPT IN THE CABINET TO BE USED IN THE REMOVAL AND INSTALLATION OF SPRINKLER HEADS. 2018 UFC, SECTION 1003.1.1 AS AMENDED.
- FLEXIBLE FIRE SPRINKLER DROPS SHALL NOT BE ALLOWED FOR THIS PROJECT.
- ALL FIRE SPRINKLER HEADS SHALL BE ELECTROLESS NICKEL PTFE (ENT) FINISH.
- ALL EXPOSED UPRIGHT, SIDEWALL OR PENDANT FIRE SPRINKLER HEADS SHALL BE EQUIPPED WITH SPRINKLER CAGE GUARDS REGARDLESS OF THE HEIGHT OF THE SPRINKLER HEAD.

PALEKANA PERMITS
THIRD PARTY CERTIFICATION

Building Code Electrical Code

Mechanical Code ZPRB (Land use Ordinance)

Structural (Non-Single / 2-Family Dwellings)

FIRE SPRINKLER LEGEND		
SYMBOL	ABBRV.	DESCRIPTION
—○—	EXIST	EXISTING
—○—	FS	FIRE SPRINKLER
<input type="checkbox"/> FS	FS	FLOW SWITCH
—X—	GV	GATE VALVE
—Y—	OS&Y	OUTSIDE STEM AND YOKE
— —	-	INDICATING BUTTERFLY VALVE
— —	POC	POINT OF CONNECTION
— / / / /	POR	POINT OF REMOVAL
⊙	TS	TAMPER SWITCH
⊗		WET-PIPE FS RISER/STANDPIPE RISER
E		SPRINKLER CROSS MAIN END CAP
— — —		FIRE SPRINKLER MAIN PIPING
	TYP.	TYPICAL
—●—	FDC	FIRE DEPARTMENT CONNECTION
—○—		FIRE SPRINKLER HEAD - PENDANT
—○—		FIRE SPRINKLER HEAD - UPRIGHT
—▽—		FIRE SPRINKLER HEAD - SIDEWALL

CITY AND COUNTY OF HONOLULU
DEPARTMENT OF PLANNING AND PERMITTING

APPROVED

The issuance hereunder of any permit or approval of plans, specifications, and other data shall not be construed to be a permit for, or approval of, any violation of any provisions of this code or of any other law. The issuance of a permit shall not prevent the building official from thereafter requiring the correction of errors in the plans and specifications or from halting building operations when in violation of the provisions of said chapters and this chapter or of any other law; nor shall it prevent the initiation of criminal action and the imposition of penalty as prescribed under Section 18-7.1 hereof for violation of any of the provisions of said chapters and this chapter.

PERMIT NUMBER: 4/29/2025
APPROVED DATE: 4/29/2025
BY: Xi Jing Fang

RMA ARCHITECTS INC.
T 808 591 1818 F 808 591 1618
1150 S. KING STREET, 8TH FLOOR,
HONOLULU, HAWAII 96814

DATE: 02/20/2024
JOB NO.: 23-014
DRAWN BY: MS
DESIGNED BY: MS

Barry G. S. Jim On
LICENSED PROFESSIONAL ENGINEER
No. 9546-M
HAWAII, U.S.A.
Expires: April 30, 2026

This work was prepared by me or under my supervision and construction of this project will be under my observation. (Observation of construction as defined in the current Hawaii Administrative Rules "Professional Engineers, Architects, Surveyors and Landscape Architects")

REV.	DATE	DESCRIPTION	BY

Project: HCDA KAUAHALE KAKAAKO PARKING GARAGE MODERNIZE TWO PASSENGER ELEVATORS
860 HALEKAUWILA STREET, KAKAAKO, HONOLULU, HAWAII, 96813
TMK: 2-1-050-013
Designer: FIRE SPRINKLER NOTES AND LEGEND

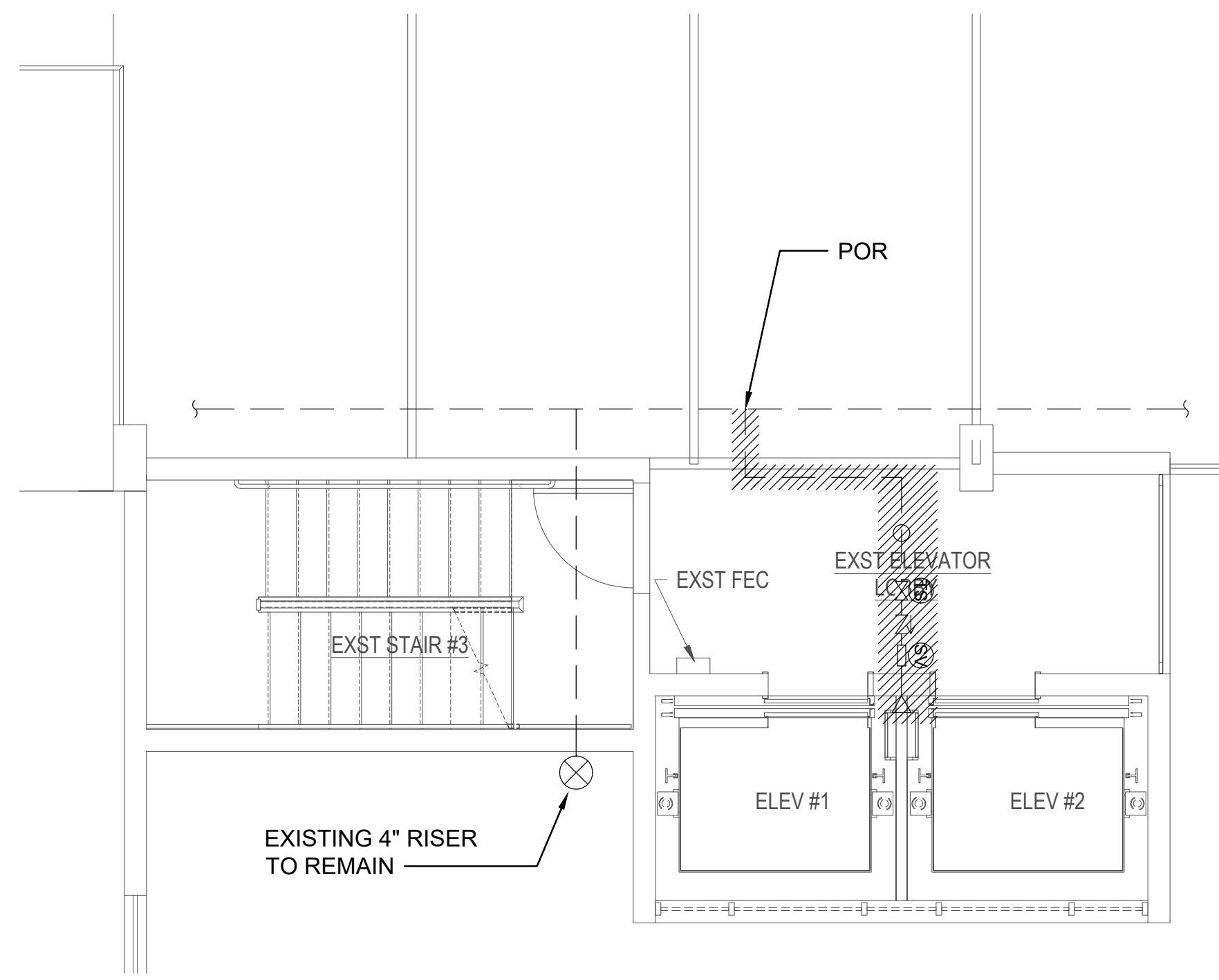
SHEET NUMBER
F001
18 OF 36 SHEETS

APPROVED

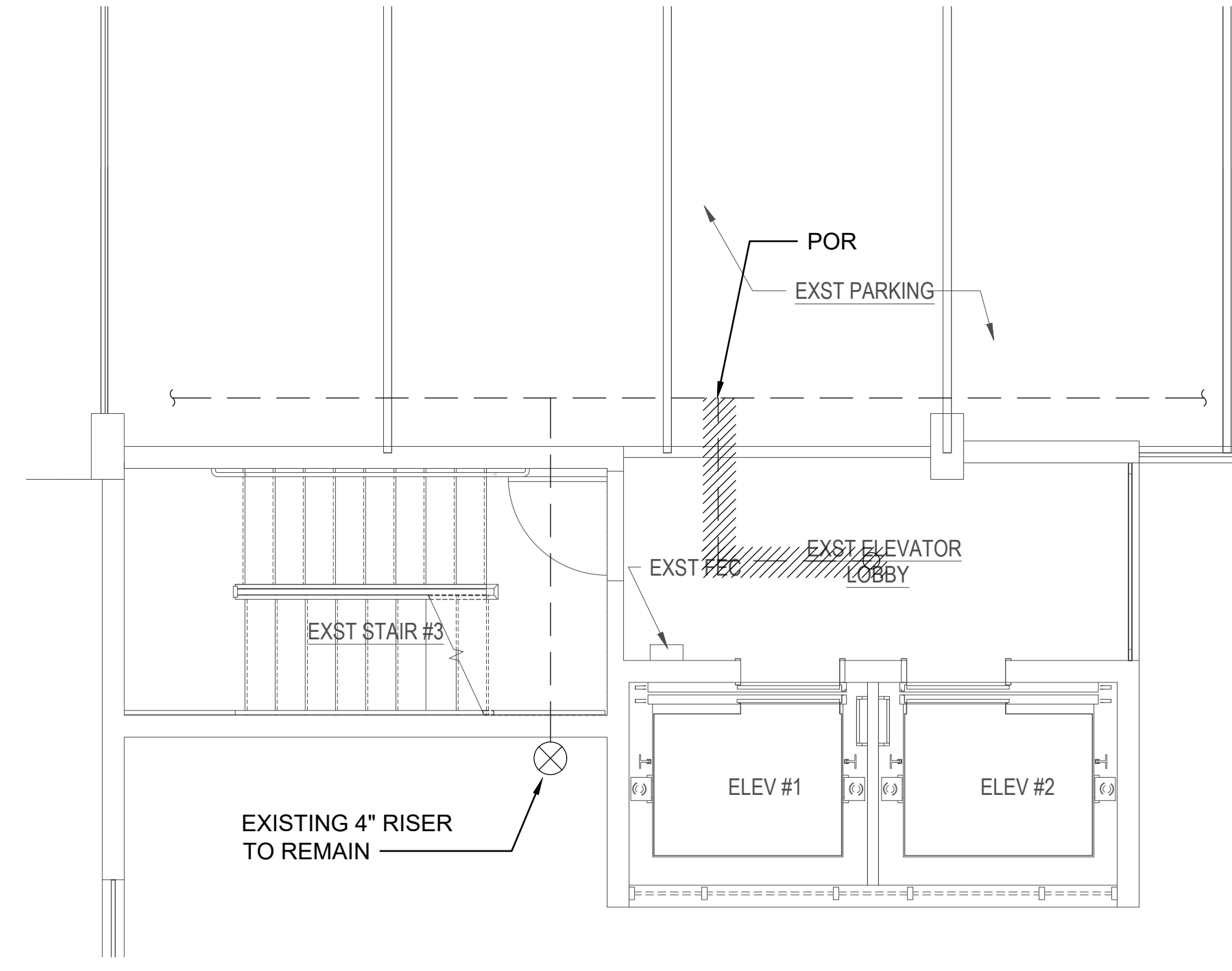
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- PALEKANA PERMITS
THIRD PARTY CERTIFICATION
- Building Code
 - Electrical Code
 - Mechanical Code
 - ZPRB (Land use Ordinance)
 - Structural (Non-Single / 2-Family Dwellings)



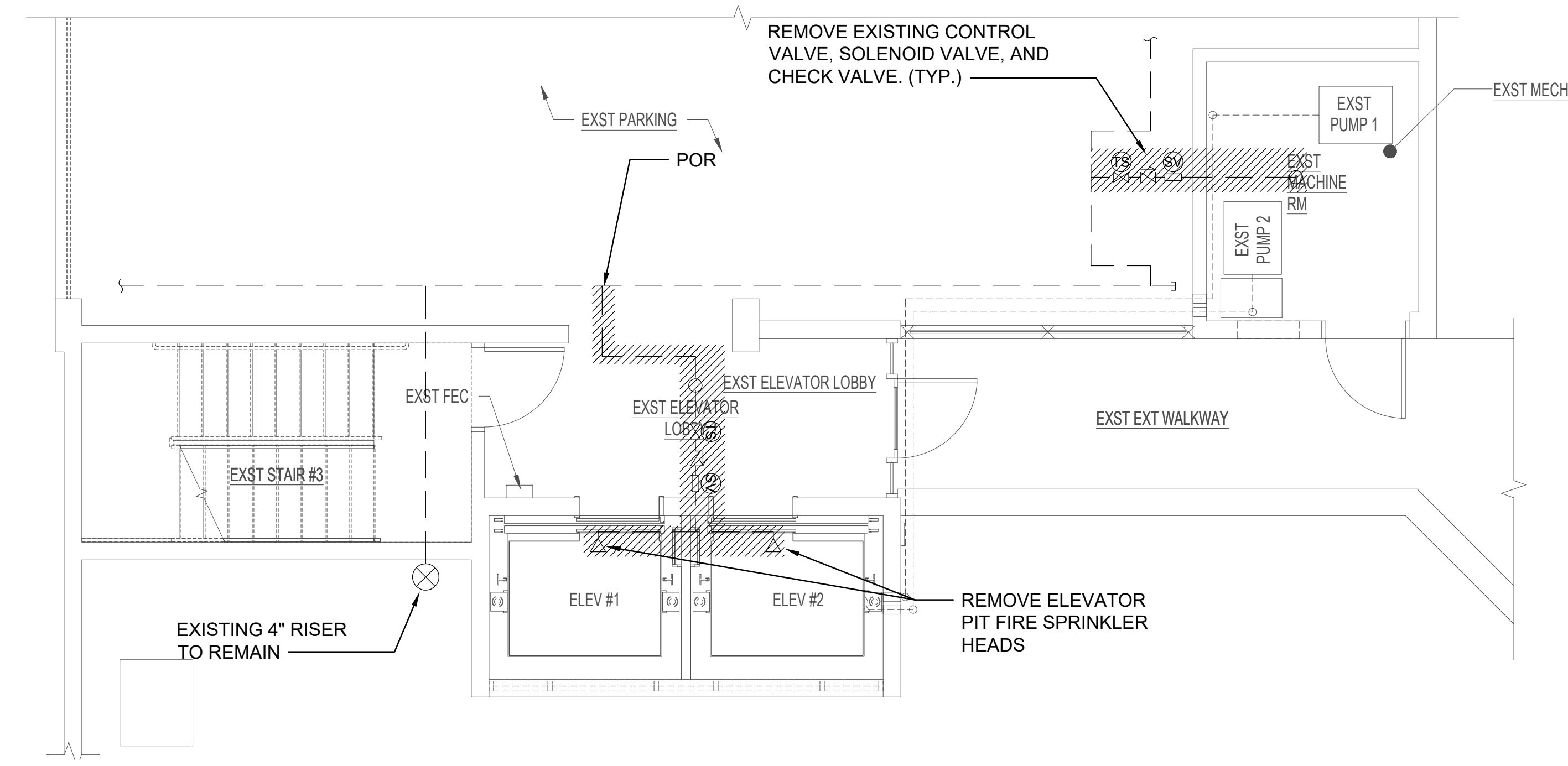
3 5TH FLOOR FIRE SPRINKLER DEMOLITION PLAN
SCALE: 1/4" = 1'-0"



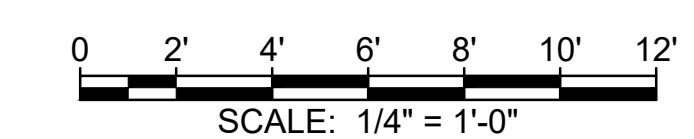
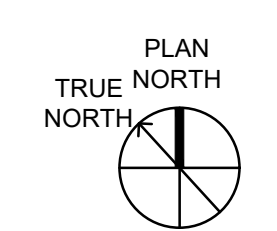
2 2ND-4TH FLOOR FIRE SPRINKLER DEMOLITION PLAN
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

1. DEMOLISH EXISTING FIRE SPRINKLER EQUIPMENT SERVING THE ELEVATOR MACHINE ROOM, PIT, AND TOP OF SHAFT AS SHOWN.
2. EXISTING FIRE SPRINKLER PIPING TO REMAIN UNLESS OTHERWISE NOTED.
3. CONTRACTOR SHALL FIELD VERIFY EXISTING EQUIPMENT LOCATIONS BEFORE THE START OF CONSTRUCTION.



1 1ST FLOOR FIRE SPRINKLER DEMOLITION PLAN
SCALE: 1/4" = 1'-0"



REV.	DATE	DESCRIPTION	BY

Project: HCDA KAUAHALE KAKAAKO PARKING GARAGE
MODERNIZE TWO PASSENGER ELEVATORS
860 HALEKAUWILA STREET, KAKAAKO, HONOLULU, HAWAII, 96813
TMK: 2-1-050-013
Designer: FIRE SPRINKLER DEMOLITION PLANS

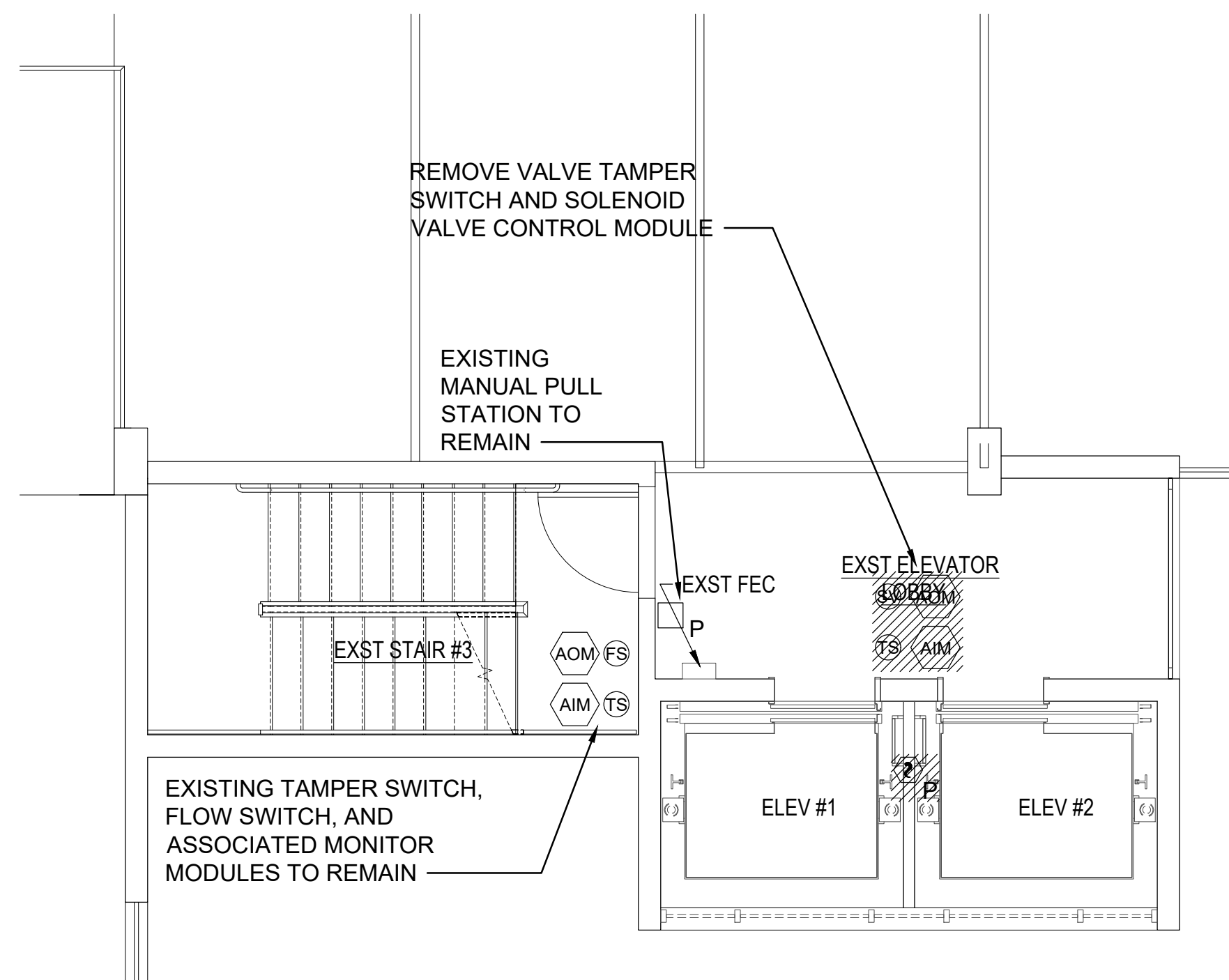
SHEET NUMBER
F101
21 OF 36 SHEETS

APPROVED

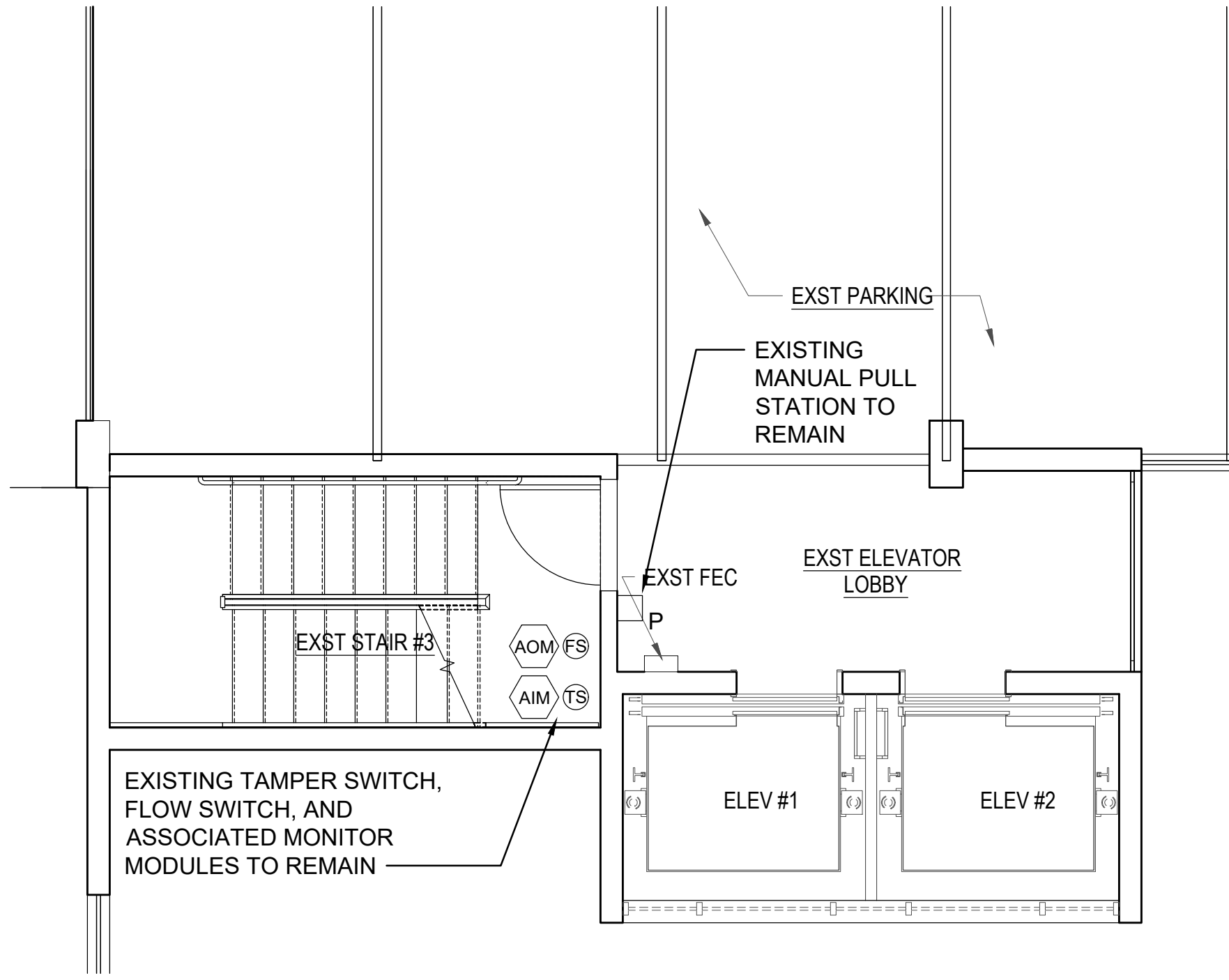
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PERMIT NUMBER: 4/29/2025
APPROVED DATE: 4/29/2025
BY: Xi Jing Fang

- PALEKANA PERMITS
THIRD PARTY CERTIFICATION
- Building Code
 - Electrical Code
 - Mechanical Code
 - ZPRB (Land use Ordinance)
 - Structural (Non-Single / 2-Family Dwellings)



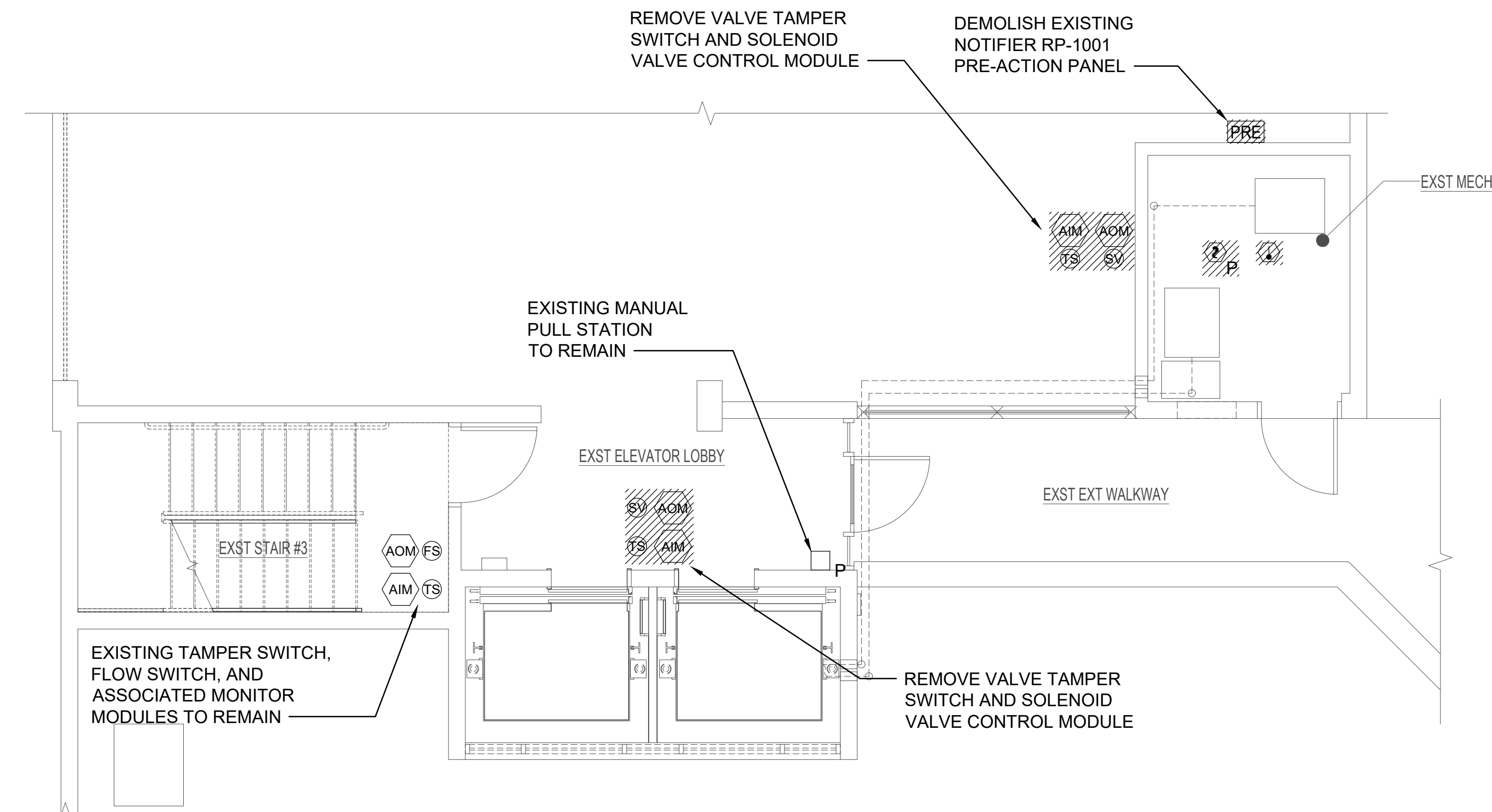
1 5TH FLOOR FIRE ALARM DEMOLITION PLAN
SCALE: 1/4" = 1'-0"



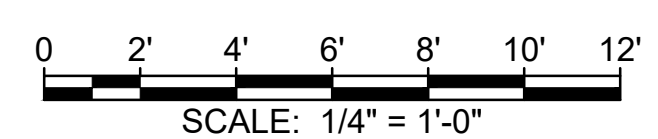
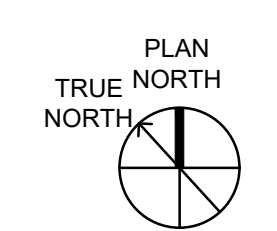
2 2ND-4TH FLOOR FIRE ALARM DEMOLITION PLAN
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

1. EXISTING FIRE ALARM DEVICES TO REMAIN UNLESS OTHERWISE NOTED.
2. CONTRACTOR SHALL FIELD VERIFY EXISTING EQUIPMENT LOCATIONS BEFORE THE START OF CONSTRUCTION.



1 1ST FLOOR FIRE ALARM DEMOLITION PLAN
SCALE: 1/4" = 1'-0"



REV.	DATE	DESCRIPTION	BY

Project: HCDA KAUAHALE KAKAOKO PARKING GARAGE
MODERNIZE TWO PASSENGER ELEVATORS
860 HALEKAUWILA STREET, KAKAOKO, HONOLULU, HAWAII, 96813
TMK: 2-1-050-013
Designer: FIRE ALARM DEMOLITION PLANS

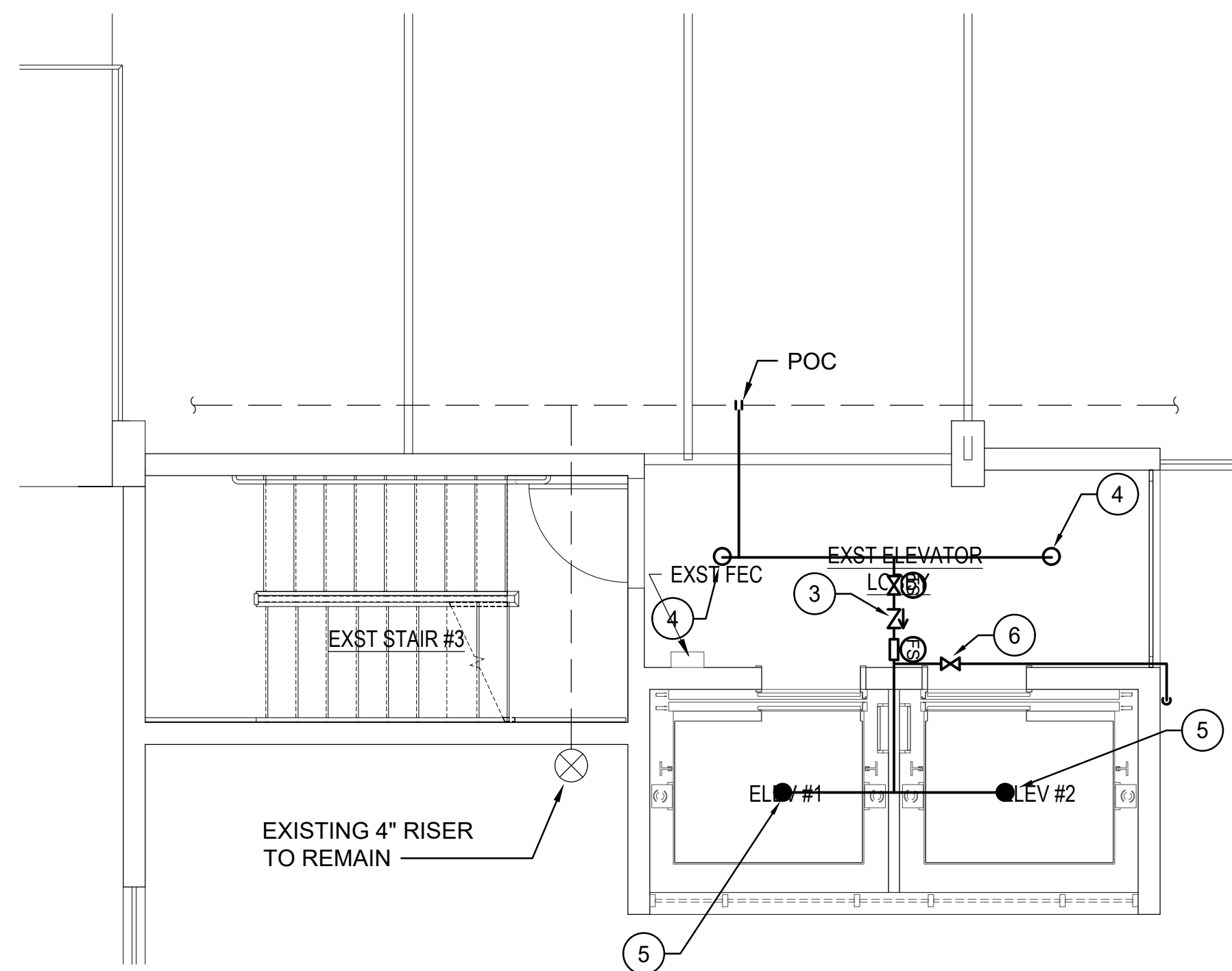
SHEET NUMBER
F102
22 OF 36 SHEETS

APPROVED

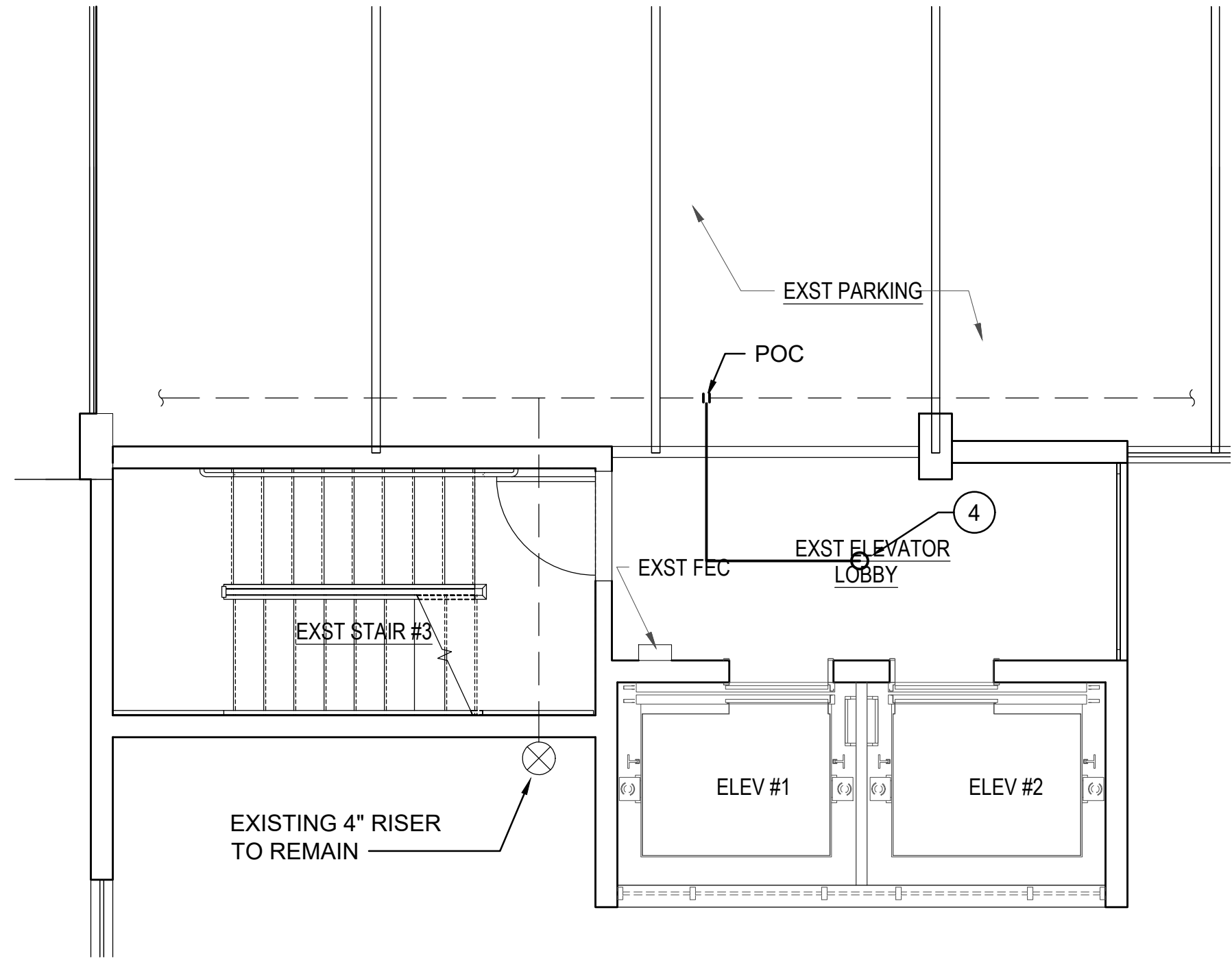
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PERMIT NUMBER: 4/29/2025
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- PALEKANA PERMITS
THIRD PARTY CERTIFICATION
- Building Code
 - Electrical Code
 - Mechanical Code
 - ZPRB (Land use Ordinance)
 - Structural (Non-Single / 2-Family Dwellings)



3 5TH FLOOR FIRE SPRINKLER NEW WORK PLAN
SCALE: 1/4" = 1'-0"



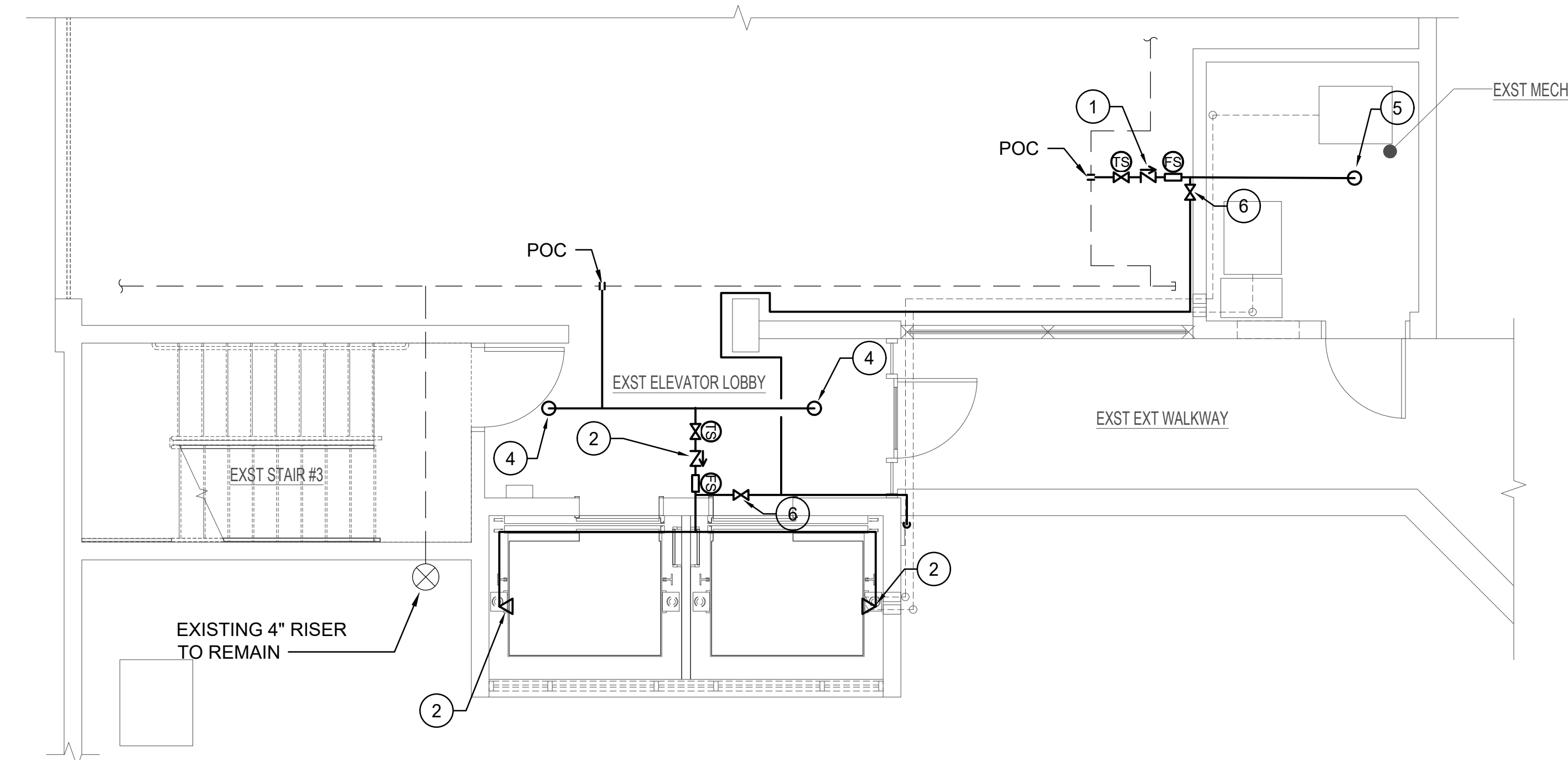
2 2ND-4TH FLOOR FIRE SPRINKLER NEW WORK PLAN
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

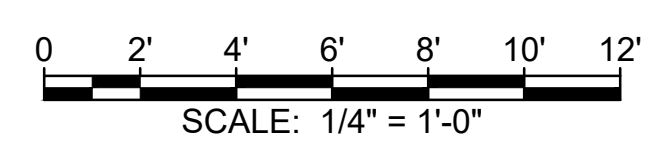
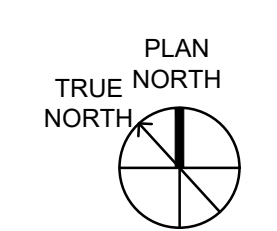
1. PROVIDE NEW FIRE SPRINKLER COVERAGE AS SHOWN IN ACCORDANCE WITH NFPA 13 AND THE HAWAII STATE FIRE CODE.
2. EXISTING FIRE SPRINKLER SYSTEM TO REMAIN UNLESS OTHERWISE NOTED.
3. CONTRACTOR SHALL FIELD VERIFY EXISTING EQUIPMENT LOCATIONS BEFORE THE START OF CONSTRUCTION.

WORK NOTES:

- 1 PROVIDE NEW TAMPER SWITCH, CHECK VALVE, FLOW SWITCH, AND ADDRESSABLE MODULES FOR THE NEW FIRE SPRINKLER HEAD SERVING THE ELEVATOR MACHINE ROOM.
- 2 PROVIDE NEW TAMPER SWITCH, CHECK VALVE, FLOW SWITCH, AND ADDRESSABLE MODULES FOR THE NEW FIRE SPRINKLER HEAD SERVING THE ELEVATOR PIT.
- 3 PROVIDE NEW TAMPER SWITCH, CHECK VALVE, FLOW SWITCH, AND ADDRESSABLE MODULES FOR THE NEW FIRE SPRINKLER HEAD SERVING THE ELEVATOR TOP OF SHAFT.
- 4 PROVIDE NEW ELECTROLESS NICKEL PTFE SPRINKLER HEAD FOR THE ELEVATOR LOBBY.
- 5 PROVIDE NEW ELECTROLESS NICKEL PTFE SPRINKLER HEAD FOR THE ELEVATOR MACHINE ROOM AND TOP OF ELEVATOR SHAFT.
- 6 PROVIDE INSPECTOR'S TEST CONNECTION TO DRAIN WITH SPLASH BLOCK

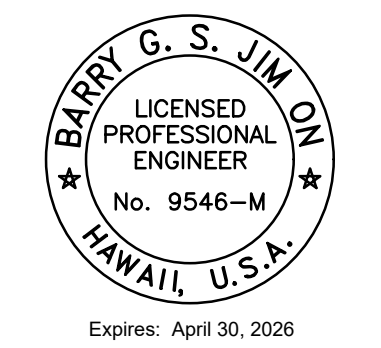


1 1ST FLOOR FIRE SPRINKLER NEW WORK PLAN
SCALE: 1/4" = 1'-0"



RMA ARCHITECTS INC.
T 808 591 1818 F 808 591 1618
1150 S. KING STREET, 8TH FLOOR,
HONOLULU, HAWAII 96814

DATE: 02/20/2024
JOB NO.: 23-014
DRAWN BY: LB
DESIGNED BY: LB



Expires: April 30, 2026

This work was prepared by me or under my supervision and construction of this project will be under my observation. (Observation of construction as defined in the current Hawaii Administrative Rules "Professional Engineers, Architects, Surveyors and Landscape Architects")

Barry G. S. Jim On
Signature

REV.	DATE	DESCRIPTION	BY

Project: HCDA KAUIHALE KAKAOKO PARKING GARAGE
MODERNIZE TWO PASSENGER ELEVATORS
860 HALEKAUWILA STREET, KAKAOKO, HONOLULU, HAWAII, 96813
TMK: 2-1-050-013
Designer: FIRE SPRINKLER NEW WORK PLANS

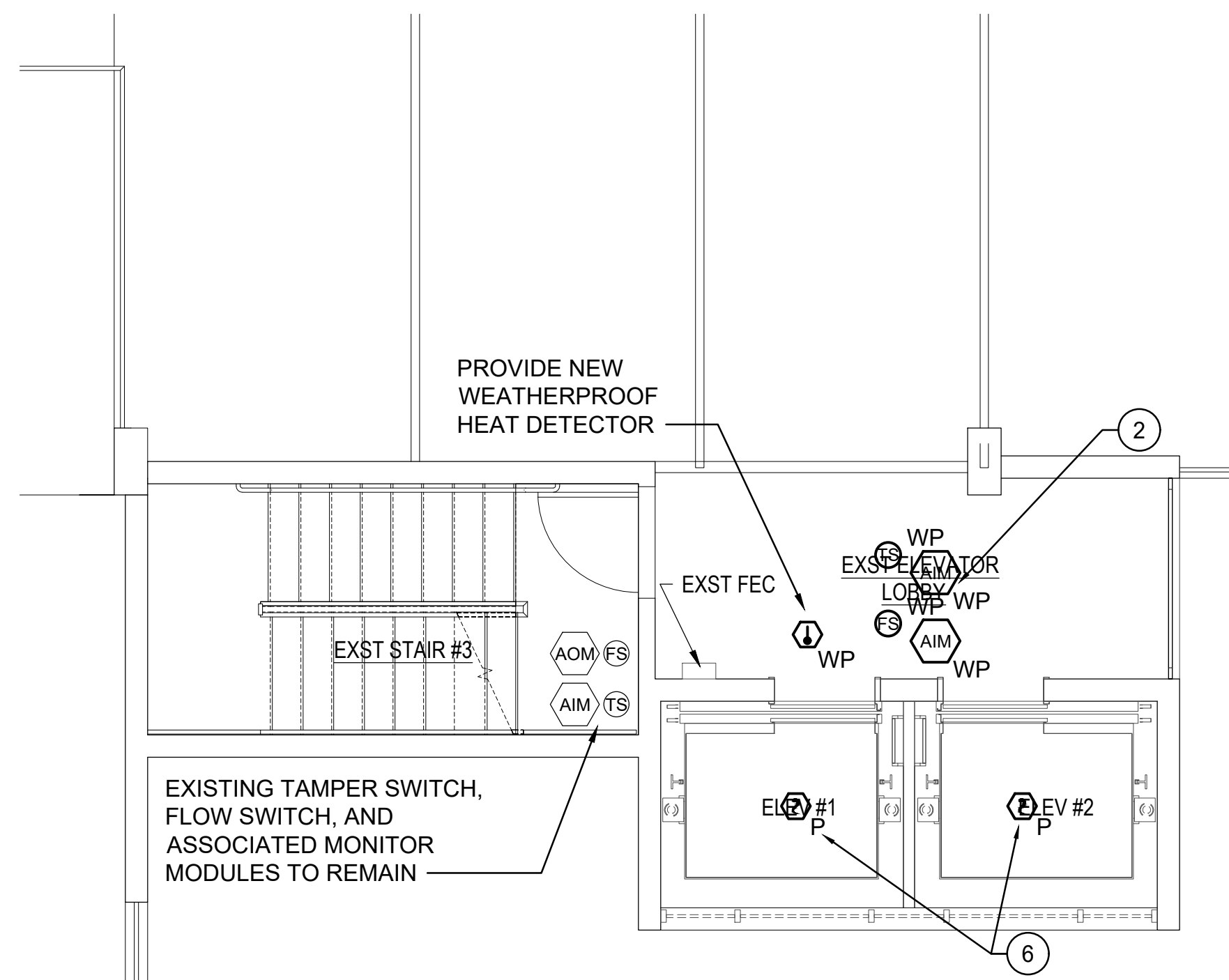
SHEET NUMBER
F201
23 OF 36 SHEETS

APPROVED

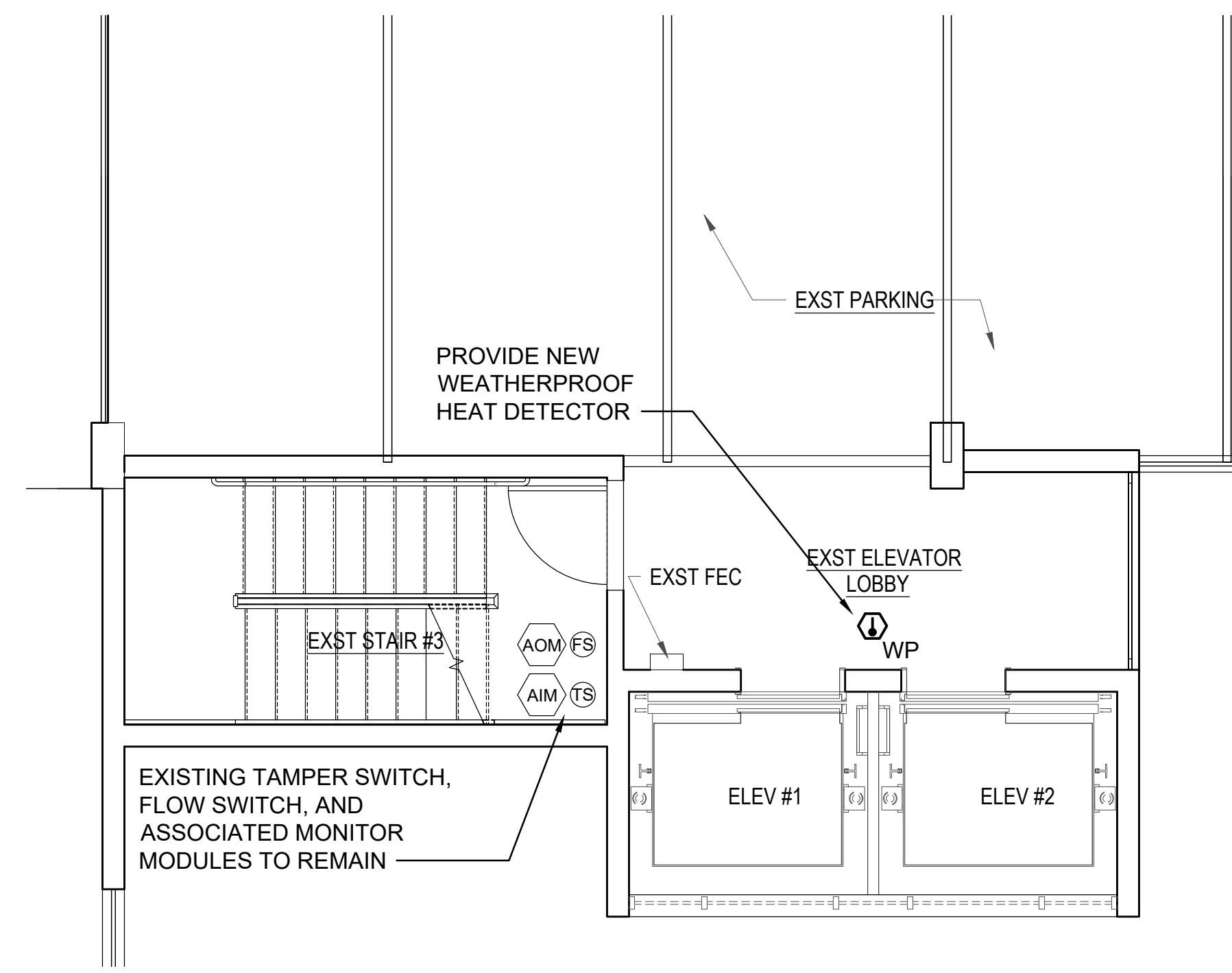
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PERMIT NUMBER: 4/29/2025
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- PALEKANA PERMITS
THIRD PARTY CERTIFICATION
- Building Code
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 - Structural (Non-Single / 2-Family Dwellings)



3 5TH FLOOR FIRE ALARM NEW WORK PLAN
SCALE: 1/4" = 1'-0"



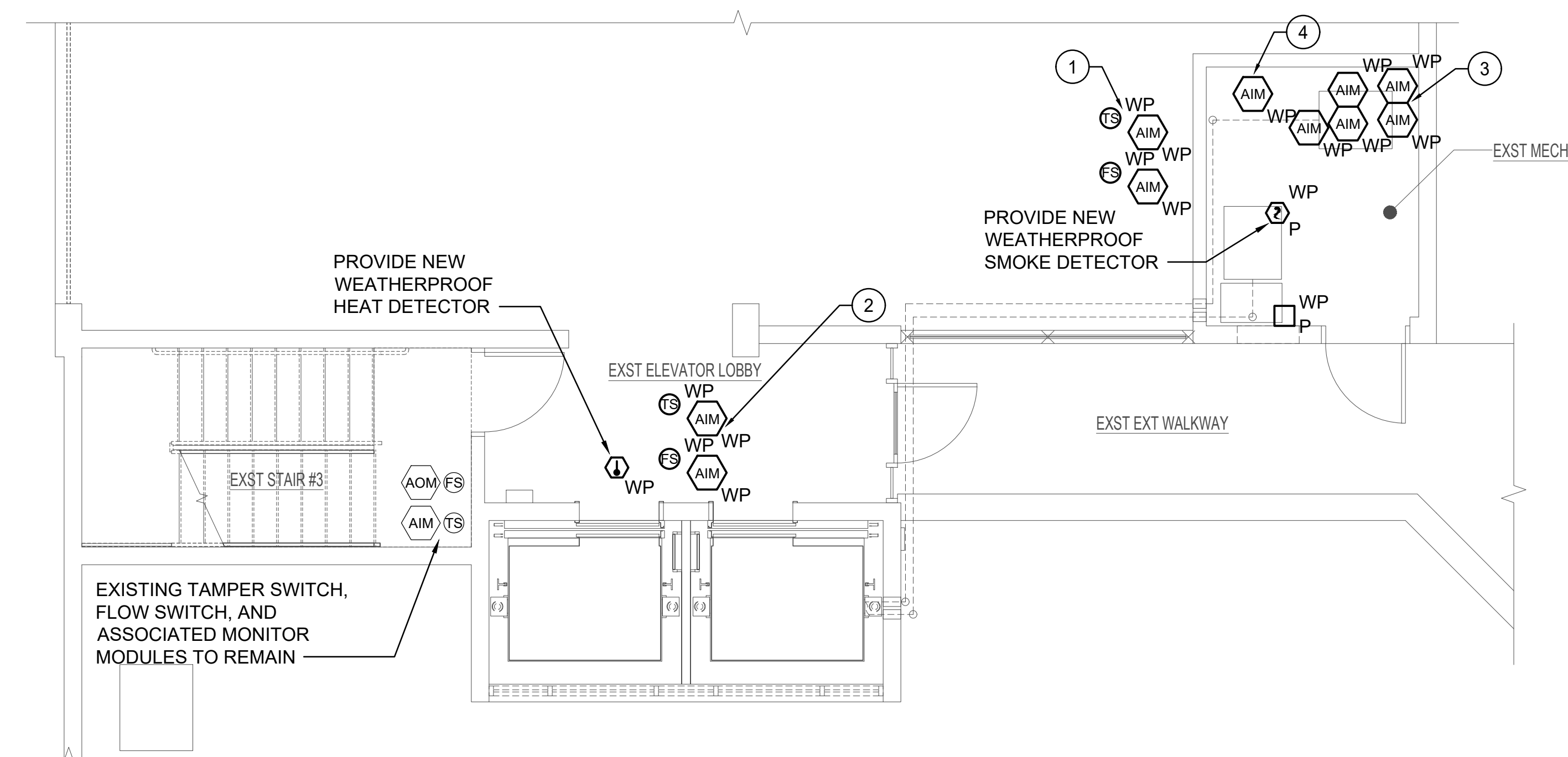
2 2ND-4TH FLOOR FIRE ALARM NEW WORK PLAN
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

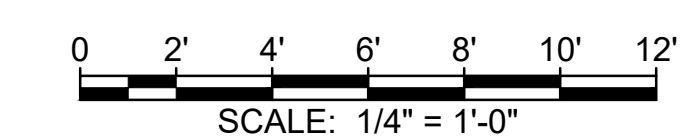
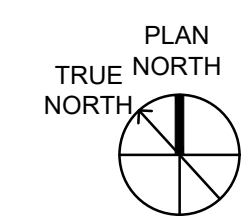
1. PROVIDE NEW FIRE ALARM DEVICES IN ACCORDANCE WITH NFPA 72 AND THE HAWAII STATE FIRE CODE.
2. EXISTING FIRE ALARM DEVICES TO REMAIN UNLESS OTHERWISE NOTED.
3. CONTRACTOR SHALL FIELD VERIFY EXISTING EQUIPMENT LOCATIONS BEFORE THE START OF CONSTRUCTION.

WORK NOTES:

- 1 PROVIDE NEW WEATHERPROOF ADDRESSABLE MONITOR MODULE FOR THE TAMPER SWITCH AND FLOW SWITCH SERVING THE ELEVATOR MACHINE ROOM.
- 2 PROVIDE NEW WEATHERPROOF ADDRESSABLE MONITOR MODULE FOR THE TAMPER SWITCH AND FLOW SWITCH SERVING THE ELEVATOR PIT.
- 3 PROVIDE NEW WEATHERPROOF CONTROL MODULES FOR ELEVATOR RECALL PRIMARY, RECALL ALTERNATE, FIREMAN'S HAT STEADY, FIREMAN'S HAT INTERMITTENT, AND POWER SHUNT TRIP.
- 4 PROVIDE NEW WEATHERPROOF MONITOR MODULE TO MONITOR LOSS OF POWER TO THE DISCONNECTING MEANS OF THE ELEVATOR POWER SHUNT TRIP.
- 5 PROVIDE WEATHERPROOF NEW ADDRESSABLE MONITOR MODULES FOR THE TAMPER SWITCH AND FLOW SWITCH SERVING THE ELEVATOR TOP OF SHAFT.
- 6 PROVIDE NEW SMOKE DETECTOR FOR THE ELEVATOR TOP OF SHAFT.



1 1ST FLOOR FIRE ALARM NEW WORK PLAN
SCALE: 1/4" = 1'-0"



REV.	DATE	DESCRIPTION	BY

Project: HCDA KAUHALE KAKAOKO PARKING GARAGE
MODERNIZE TWO PASSENGER ELEVATORS
860 HALEKAJUILA STREET, KAKAOKO, HONOLULU, HAWAII, 96813
TMK: 2-1-050-013
Designer: FIRE ALARM NEW WORK PLANS

SHEET NUMBER
F202
24 OF 36 SHEETS

APPROVED

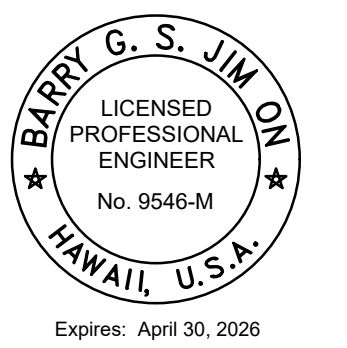
The issuance hereunder of any permit or approval of plans, specifications, and other data shall not be construed to be a permit for, or approval of, any violation of any provisions of this code or of any other law. The issuance of a permit shall not prevent the building official from thereafter requiring the correction of errors in the plans and specifications or from halting building operations when in violation of the provisions of said chapters and this chapter or of any other law; nor shall it prevent the institute of criminal action and the imposition of penalty as prescribed under Section 18-7.1 hereof for violation of any of the provisions of said chapters and this chapter.

PERMIT NUMBER: **4/29/2025**
APPROVED DATE: **4/29/2025**
BY: **Xi Jing Fang**

- PALEKANA PERMITS
THIRD PARTY CERTIFICATION
- Building Code
 - Electrical Code
 - Mechanical Code
 - ZPRB (Land use Ordinance)
 - Structural (Non-Single / 2-Family Dwellings)

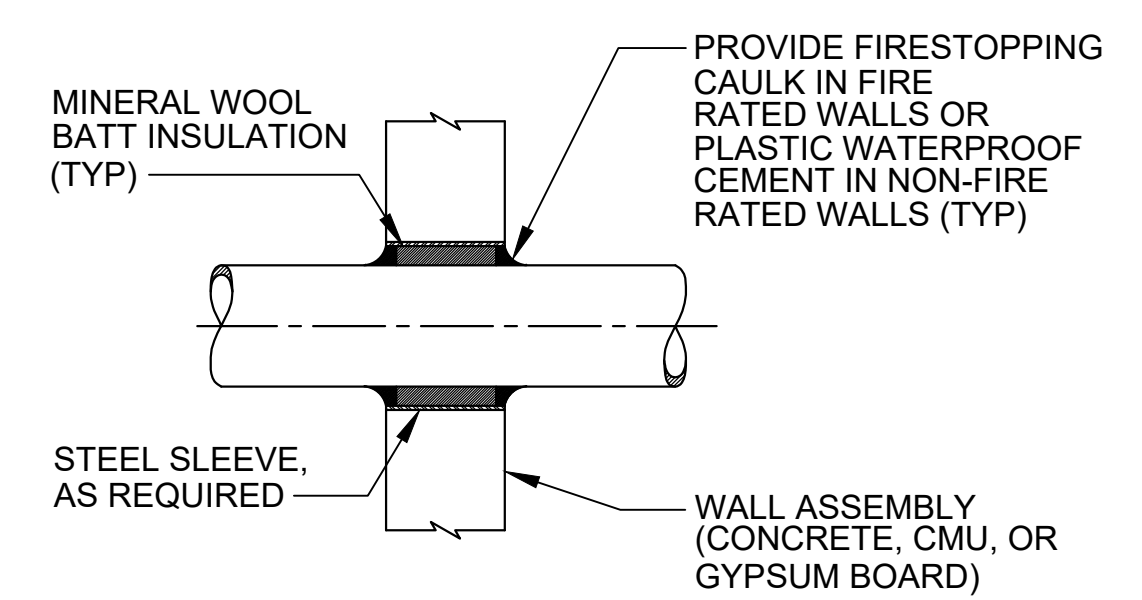
RMA ARCHITECTS INC.
T 808 591 1818 F 808 591 1618
1150 S. KING STREET, 8TH FLOOR,
HONOLULU, HAWAII 96814

DATE: **02/20/2024**
JOB NO.: **23-014**
DRAWN BY: **MS**
DESIGNED BY: **MS**



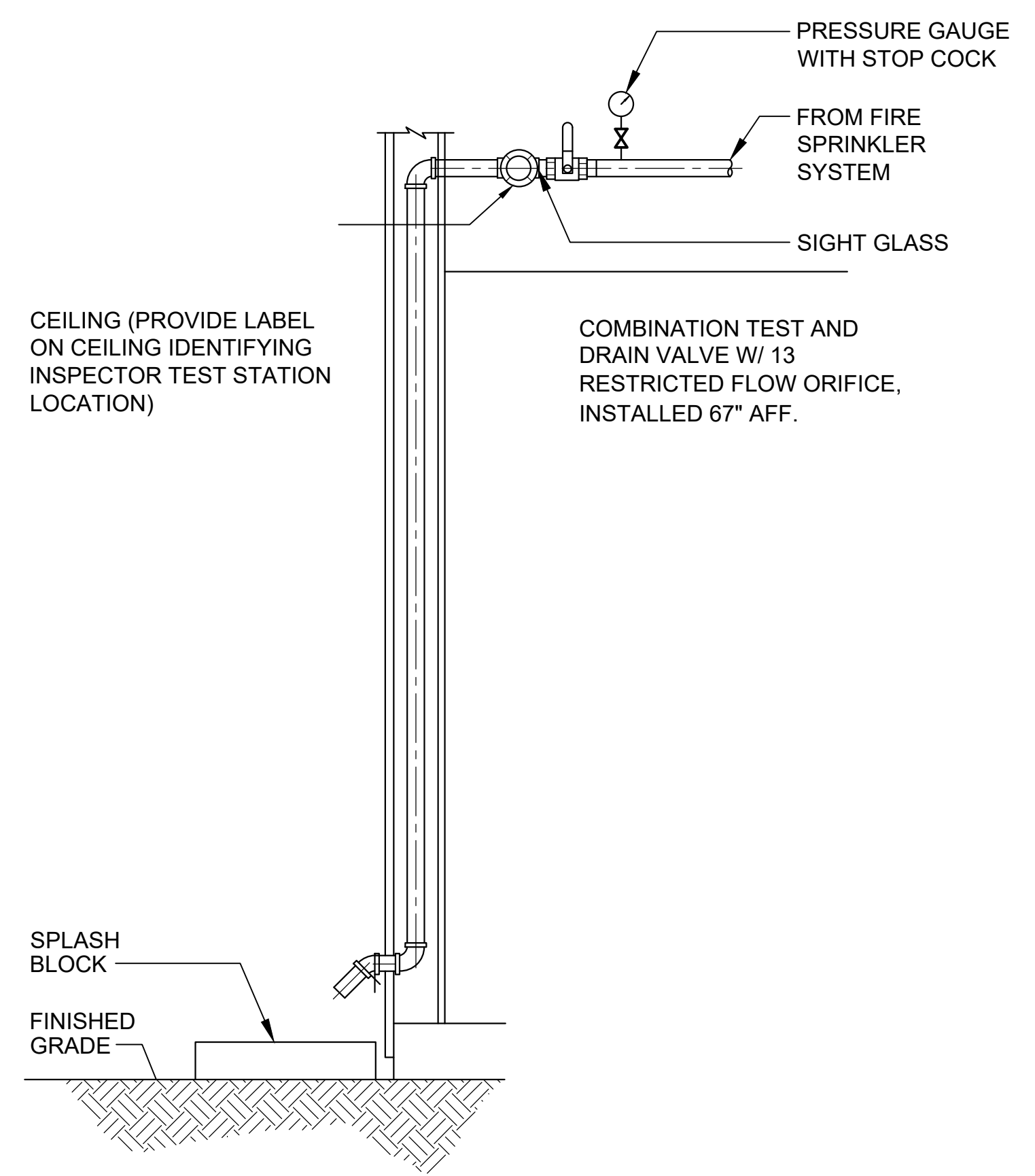
Expires: April 30, 2026
This work was prepared by me or under my supervision and construction of this project will be under my observation. (Observation of construction as defined in the current Hawaii Administrative Rules "Professional Engineers, Architects, Surveyors and Landscape Architects")

Barry G. S. Jim On
Signature

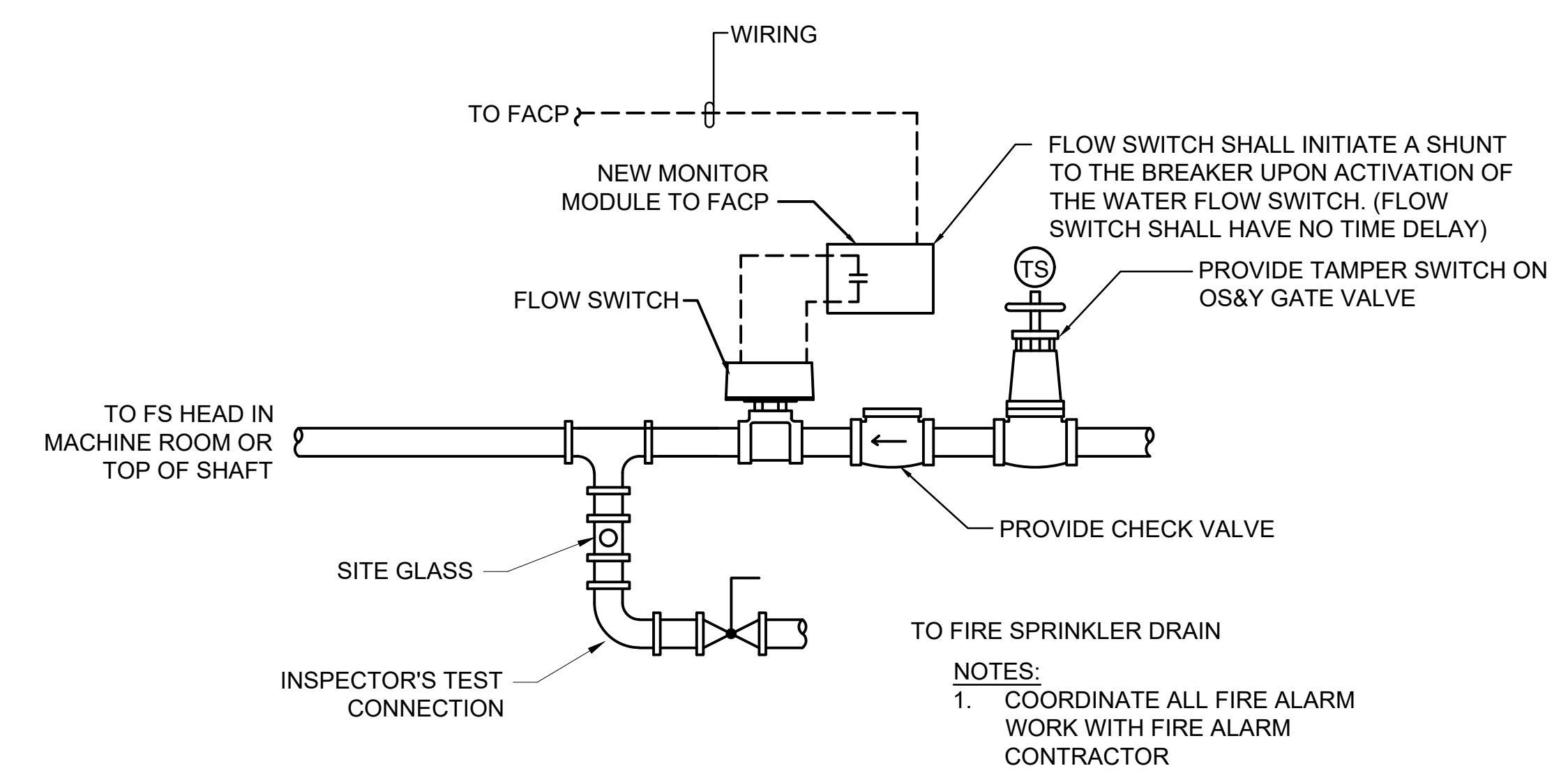


- NOTES:
- CONTRACTOR SHALL PROVIDE A UL LISTED THROUGH PENETRATION FIRESTOP SYSTEM FOR FIRE RATED WALLS.
 - PROVIDE SPRINKLER PIPE CLEARANCES IN ACCORDANCE WITH NFPA 13.

3 TYPICAL PIPE CONDUIT THRU WALL
F-502 NOT TO SCALE



2 INSPECTOR'S TEST CONNECTION
F-502 NOT TO SCALE



1 FS PIPING AT TOP OF ELEVATOR SHAFT, PIT AND MACHINE ROOM
F-502 NOT TO SCALE

- NOTES:
- COORDINATE ALL FIRE ALARM WORK WITH FIRE ALARM CONTRACTOR

REV.	DATE	DESCRIPTION	BY

Project: **HCDA KAUAHALE KAKAOKO PARKING GARAGE MODERNIZE TWO PASSENGER ELEVATORS**
860 HALEKAUWILA STREET, KAKAOKO, HONOLULU, HAWAII, 96813
TMK: 2-1-050-013
Description: **FIRE SPRINKLER DETAILS**

SHEET NUMBER
F501
25 OF 36 SHEETS

**PALEKANA PERMITS
THIRD PARTY CERTIFICATION**

Building Code Electrical Code

Mechanical Code ZPRB (Land Use Ordinance)

Structural (Non-Single / 2-Family Dwellings)

CITY AND COUNTY OF HONOLULU
DEPARTMENT OF PLANNING AND PERMITTING

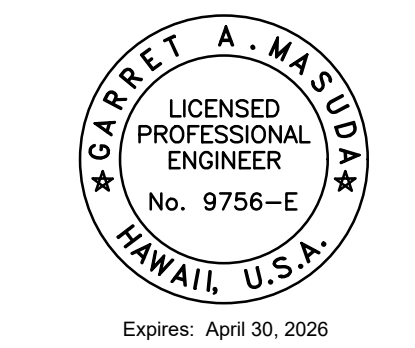
APPROVED

The issuance hereunder of any permit or approval of plans, specifications, and other data shall not be construed to be a permit for, or approval of, any violation of any provisions of this code or of any other law. The issuance of a permit shall not prevent the building official from thereafter requiring the correction of errors in the plans and specifications or from halting building operations when in violation of the provisions of said chapters and this chapter or of any other law; nor shall it prevent the institute of criminal action and the imposition of penalty as prescribed under Section 18-7.1 hereof for violation of any of the provisions of said chapters and this chapter.

PERMIT NUMBER: 4/29/2025
APPROVED DATE: 4/29/2025
BY: Xi Jing Fang

RMA ARCHITECTS INC.
T 808 591 1818 F 808 591 1618
1150 S. KING STREET, 8TH FLOOR,
HONOLULU, HAWAII 96814

DATE: 02/20/2024
JOB NO.: 23-014
DRAWN BY: MS
DESIGNED BY: MS



Expires: April 30, 2026
Signature: *Garrett A. Masuda*

FIRE ALARM SYSTEM INPUT		SYSTEM OUTPUT			TRANSMIT SIGNALS TO THE FIRE DEPARTMENT			ANNUNCIATION AT PANEL			EVACUATION SIGNALS			AUXILIARY FUNCTIONS		
		GENERAL ALARM SIGNAL PER BUILDING	SPRINKLER FLOW SIGNAL PER BUILDING	COMMON SUPERVISORY SIGNAL PER BUILDING	ACTIVATE VISIBLE AND AUDIBLE ALARM ANNUNCIATOR	ACTIVATE VISIBLE AND AUDIBLE ELEV MACH RM ANNUNCIATOR	ACTIVATE ALL OCCUPANT NOTIFICATION ANNUNCIATOR	INITIATE ELEVATOR CONTROLLER'S RECALL SEQUENCE (TO PRIMARY RECALL TO 1ST FLOOR)	INITIATE ELEVATOR CONTROLLER'S RECALL SEQUENCE (TO ALTERNATE RECALL TO 2ND FLOOR)	IMMEDIATE SHUNT TRIP OF POWER TO ELEVATORS	ACTIVATE ELEVATOR FLASHING FIREMAN'S HAT	ACTIVATE ELEVATOR SOLID FIREMAN'S HAT				
INITIATION	ELEVATOR MACHINE ROOM SPRINKLER WATER FLOW SWITCH	X		X	X		X		X	X						
	SPRINKLER VALVE TAMPER SWITCH		X			X										
	ELEVATOR POWER SHUNT - CONTROL CIRCUIT LOSS OF POWER		X			X										
	HEAT DETECTOR - 1ST FLOOR ELEVATOR LOBBY	X			X			X			X					
	HEAT DETECTOR - ANY FLOOR ELEVATOR LOBBY EXCLUDING 1ST FLOOR	X			X			X		X						
	SMOKE DETECTOR - ELEVATOR MACHINE ROOM	X			X	X		X		X						
SMOKE DETECTOR - TOP OF ELEVATOR SHAFT	X			X			X		X							

* IN THE EVENT OF A CONFLICT BETWEEN THE SPECIFICATIONS AND THE MATRIX, THE MATRIX SEQUENCE WILL TAKE PRECEDENCE.

NOTE: PRIMARY AND ALTERNATE RECALL FLOORS TO BE CONFIRMED BY OWNERSHIP AND REMAIN AS EXISTING.

1 FIRE ALARM SEQUENCE OF OPERATION
F-601 SCALE: NTS

REV.	DATE	DESCRIPTION	BY

Project: HCDA KAUAHALE KAKAOKO PARKING GARAGE MODERNIZE TWO PASSENGER ELEVATORS
860 HALEKAUWILA STREET, KAKAOKO, HONOLULU, HAWAII, 96813
TMK: 2-1-050-013
Description: FIRE ALARM SEQUENCE OF OPERATIONS

SHEET NUMBER
F601
27 OF 36 SHEETS

APPROVED

The issuance hereunder of any permit or approval of plans, specifications, and other data shall not be construed to be a permit for, or approval of, any violation of any provisions of this code or of any other law. The issuance of a permit shall not prevent the building official from thereafter requiring the correction of errors in the plans and specifications or from halting building operations when in violation of the provisions of said chapters and this chapter or of any other law; nor shall it prevent the institute of criminal action and the imposition of penalty as prescribed under Section 18-7.1 hereof for violation of any of the provisions of said chapters and this chapter.

AP204-11-0418

PERMIT NUMBER: 4/29/2025

APPROVED DATE: 4/29/2025
BY: Xi Jing Fang



PALEKANA PERMITS
THIRD PARTY CERTIFICATION

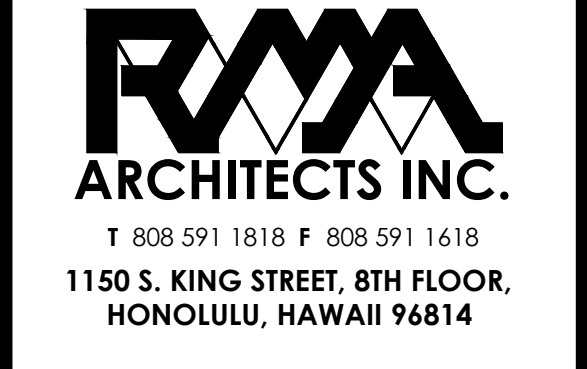
Building Code Electrical Code

Mechanical Code ZPRB (Land use Ordinance)

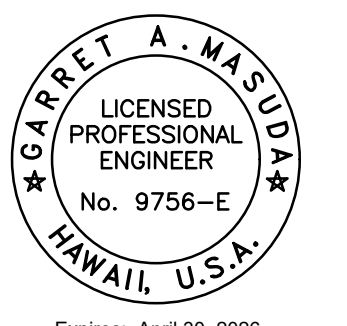
Structural (Non-Single / 2-Family Dwellings)

ELECTRICAL SYMBOL LIST / MOUNTING HEIGHT SCHEDULE

MOUNTING HEIGHT FROM FLOOR TO		(SPECIAL MOUNTING HEIGHTS INDICATED ON PLAN)		DESCRIPTION
TOP	☉	SYMBOL		
		EXISTING	NEW	
				LUMINAIRE, 1'X4' NOMINAL, MOUNTING STYLE AS INDICATED IN LIGHT FIXTURE SCHEDULE
				LUMINAIRE, 1'X4' NOMINAL, MOUNTING STYLE AS INDICATED IN LIGHT FIXTURE SCHEDULE, WITH INTEGRAL EMERGENCY BATTERY PACK
				LUMINAIRE, LINEAR, WALL MOUNTED
				LUMINAIRE, LINEAR, WALL MOUNTED WITH INTEGRAL EMERGENCY BATTERY PACK
				LUMINAIRE, WALL MOUNTED
46"		\$	\$	LIGHT SWITCH, WALL MOUNTED, 1P20A, 120/277V, 1HP MAXIMUM
46"		\$ ^a	\$ ^a	LIGHT SWITCH, WALL MOUNTED, 1P20A, 120/277V, 1HP MAXIMUM (LETTER INDICATES LUMINAIRES CONTROLLED)
18"				RECEPTACLE, WALL MOUNTED, DUPLEX, GFCI TYPE, WEATHER-RESISTANT DEVICE WITH WEATHERPROOF-WHILE-IN-USE COVER PLATE
18"				JUNCTION BOX, WALL MOUNTED
				MOTOR CONNECTION
60"				NON-FUSED DISCONNECT SWITCH, 3P30A UNLESS OTHERWISE NOTED, VOLTAGE TO MATCH CIRCUITING
72"				PANELBOARD
				HOMERUN ARROW TO PANELBOARD. LETTER INDICATES PANELBOARD, NUMBERS INDICATES CIRCUITS.
				EXPOSED RACEWAY, PROVIDE STRAP 8'-0" ON CENTER MAXIMUM
				DENOTES DEMOLITION/REMOVAL
				EQUIPMENT TAG; EXHAUST FAN "EF-1" INDICATED; ALL OTHERS SIMILAR
				LIGHT FIXTURE TYPE INDICATOR; FIXTURE TYPE "A" INDICATED; ALL OTHERS SIMILAR
				KEYNOTE INDICATOR - NEW WORK



DATE: 02/20/2024
JOB NO.: 23-014
DRAWN BY: KH
DESIGNED BY: KH



Expires: April 30, 2026
This work was prepared by me or under my supervision and construction of this project will be under my observation. (Observation of construction as defined in the current Hawaii Administrative Rules "Professional Engineers, Architects, Surveyors and Landscape Architects")

Garrett A. Masuda
Signature

REV.	DATE	DESCRIPTION	BY

Project: HCDA KAUHALE KAKAAKO PARKING GARAGE
MODERNIZE TWO PASSENGER ELEVATORS
860 HALEKAUWILA STREET, KAKAAKO, HONOLULU, HAWAII, 96813
TMK: 2-1-050-013
Description: ELECTRICAL SYMBOLS LIST

CITY AND COUNTY OF HONOLULU
REVISED ORDINANCES OF HONOLULU 2021
CHAPTER 16B

TO THE BEST OF MY KNOWLEDGE, THIS PROJECT'S DESIGN SUBSTANTIALLY CONFORMS TO THE BUILDING ENERGY CONSERVATION CODE FOR:

X ELECTRICAL COMPONENT SYSTEMS

SIGNATURE: *Garrett A. Masuda* DATE: 03/27/24
NAME: GARRET A. MASUDA
TITLE: ELECTRICAL ENGINEER
LICENSE No.: NO. 9756-E

SHEET NUMBER
E001
28 OF 36 SHEETS

ELECTRICAL GENERAL NOTES:

- 1. ALL WORK SHOWN ON THE ELECTRICAL DRAWINGS IS NEW UNLESS OTHERWISE NOTED. ALL MATERIALS SHALL BE NEW AND "LISTED" OR "LABELED" AS DEFINED BY THE 2020 NATIONAL ELECTRICAL CODE (NEC). WORK INCLUDES INSTALLATION OF ALL ELECTRICAL SYSTEMS COMPLETE AND OPERATIONAL AS LIMITED BY THE INTENT OF THE CONTRACT DOCUMENTS.
2. ALL WORK SHALL COMPLY WITH THE 2020 NATIONAL ELECTRICAL CODE (NEC), NATIONAL ELECTRICAL SAFETY CODE, AND THE CURRENT BUILDING ORDINANCES OF THE CITY AND COUNTY OF HONOLULU IN FORCE AT THE TIME OF PERMITTING. CONSTRUCTION PRACTICES SHALL CONFORM TO THE LATEST EDITION OF AMERICAN ELECTRICIANS' HANDBOOK BY CROFT AND APPLICABLE INSTRUCTIONS OF MANUFACTURERS OF EQUIPMENT AND MATERIAL SUPPLIED FOR THIS PROJECT.
3. OBTAIN AND PAY FOR BUILDING / ELECTRICAL PERMIT, ARRANGE FOR PERIODIC INSPECTION BY LOCAL AUTHORITIES, AND DELIVER CERTIFICATE OF FINAL INSPECTION TO THE ARCHITECT.
4. RETENTION OF PLANS: ONE SET OF APPROVED PLANS, SPECIFICATIONS, AND COMPUTATIONS SHALL BE RETAINED BY THE BUILDING OFFICIAL FOR A PERIOD OF NOT LESS THAN 90 DAYS FROM DATE OF COMPLETION OF THE WORK COVERED THEREIN, AND ONE SET OF APPROVED PLANS SHALL BE RETURNED TO THE APPLICANT, AND SAID SET SHALL BE KEPT ON THE SITE OF THE BUILDING OR WORK AT ALL TIMES DURING WHICH THE WORK AUTHORIZED THEREBY IS IN PROGRESS.
5. STRUCTURES UNDERGOING CONSTRUCTION, ALTERATION, OR DEMOLITION OPERATIONS, INCLUDING THOSE IN UNDERGROUND LOCATIONS, SHALL COMPLY WITH NFPA 241, STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION, AND DEMOLITION OPERATIONS, AND NFPA 1, AS LOCALLY AMENDED.
6. FIRE SAFETY DURING ALTERATION:
a. 2018 NFPA 1, 16.4.4.1 WHERE THE BUILDING IS PROTECTED BY FIRE PROTECTION SYSTEMS, SUCH SYSTEMS SHALL BE MAINTAINED OPERATIONAL AT ALL TIMES DURING ALTERATION.
b. 2018 NFPA 1, 16.4.4.2 WHERE ALTERATION REQUIRES MODIFICATION OF A PORTION OF THE FIRE PROTECTION SYSTEM, THE REMAINDER OF THE SYSTEM SHALL BE KEPT IN SERVICE AND THE FIRE DEPARTMENT SHALL BE NOTIFIED.
c. 2018 NFPA 1, 16.4.4.3 WHEN IT IS NECESSARY TO SHUT DOWN THE SYSTEM, THE AHJ SHALL HAVE THE AUTHORITY TO REQUIRE ALTERNATE MEASURES OF PROTECTION UNTIL THE SYSTEM IS RETURNED TO SERVICE.
d. 2018 NFPA 1, 10.7.1.1 AS NECESSARY DURING EMERGENCIES, MAINTENANCE, DRILLS, PRESCRIBED TESTING, ALTERATIONS, OR RENOVATIONS, PORTABLE OR FIXED FIRE-EXTINGUISHING SYSTEMS OR DEVICES OR ANY FIRE-WARNING SYSTEM SHALL BE PERMITTED TO BE MADE INOPERATIVE OR INACCESSIBLE. A FIRE WATCH SHALL BE REQUIRED AS SPECIFIED IN SECTIONS 13.3.3.6.5.2(4)(b), 13.7.1.5.3, 16.5.4, 34.6.3.3, 41.2.2.6, 41.2.2.7, 41.2.4, 41.3.5, 41.4.1, 34.5.4.3, AND 25.1.8 AT NO COST TO THE AHJ. NFPA 1, AS LOCALLY AMENDED.
7. THE DRAWINGS DO NOT REFLECT ALL THE EXISTING CONDITIONS THAT MAY BE ENCOUNTERED DURING CONSTRUCTION. VISIT THE PROJECT SITE AND BECOME FAMILIAR WITH THE READILY OBSERVABLE EXISTING CONDITIONS, THE EXTENT OF ANY DEMOLITION, RELOCATION, RECONNECTION, AND THE NEW WORK PRIOR TO BIDDING. REPORT ANY READILY OBSERVABLE DISCREPANCIES AND/OR DIFFERENCES BETWEEN THE EXISTING CONDITIONS AND THE CONSTRUCTION DOCUMENTS TO THE ARCHITECT. RESOLVE ALL READILY OBSERVABLE DISCREPANCIES AND QUESTIONS PRIOR TO THE START OF WORK. BID SUBMISSION SHALL BE CONSIDERED AS EVIDENCE THAT THE CONTRACTOR HAS VISITED THE SITE AND RESOLVED ALL READILY OBSERVABLE DISCREPANCIES AND QUESTIONS AND NO EXTRA PAYMENT WILL BE AUTHORIZED FOR WORK REQUIRED BY THE CONTRACTOR'S FAILURE TO DO SO.
8. COORDINATE ALL ELECTRICAL WORK WITH THE WORK OF THE OTHER TRADES AND SCHEDULE WORK TO MINIMIZE THE NUMBER AND DURATION OF ELECTRICAL OUTAGES AND IMPACT TO THE OPERATIONS IN OR ADJACENT TO THE PROJECT AREA. COORDINATE ACCESS TO THE PROJECT AREA AND SCHEDULE ALL REQUIRED SYSTEM OUTAGES WITH THE ARCHITECT.
9. VERIFY AND COORDINATE ALL PENETRATIONS WITH THE STRUCTURAL AND ARCHITECTURAL DRAWINGS PRIOR TO THE START OF CONSTRUCTION. OBTAIN APPROVAL BEFORE MAKING ANY PENETRATIONS THROUGH STRUCTURAL MEMBERS OR FIRE RATED WALLS AND CEILINGS.
10. SCAN (E.G. X-RAY, ELECTROMAGNETIC, ETC.) ALL CONCRETE WALLS OR FLOOR STRUCTURES PRIOR TO COMMENCING WITH CORING/DRILLING WORK FOR PENETRATIONS TO AVOID DAMAGING THE EXISTING REINFORCING STEEL.
11. COORDINATE AND PROVIDE ACCESS PANELS FOR ALL CONCEALED ELECTRICAL EQUIPMENT, DEVICES, BOXES, AND CONDUIT BODIES SO THAT THEY ARE ACCESSIBLE.
12. EXISTING DEVICE AND EQUIPMENT LOCATIONS, CIRCUIT ASSIGNMENTS, WIRING CONNECTIONS, AND CONDUIT RUNS INDICATED WERE DERIVED FROM AVAILABLE REFERENCE DOCUMENTS AND LIMITED FIELD INVESTIGATION. FIELD VERIFY ALL EXISTING CONDITIONS AND MAKE ANY NECESSARY ADJUSTMENTS TO SATISFY THE INTENT OF THE DRAWINGS AND SPECIFICATIONS.
13. RE-ROUTE ALL EXISTING CONDUIT, WIRING, AND CABLING TO REMAIN WITHIN THE PROJECT AREA AS NECESSARY TO FACILITATE THE REMOVAL OF EXISTING EQUIPMENT AS WELL AS THE INSTALLATION OF ALL NEW EQUIPMENT. REMOVE AND RE-INSTALL ELECTRICAL EQUIPMENT, INCLUDING LIGHTS, TO REMAIN AS REQUIRED.
14. WORK INCIDENTAL TO THE CONTRACT AND NECESSARY TO COMPLETE THE PROJECT, ALTHOUGH NOT SPECIFICALLY REFERRED TO IN THE CONTRACT DOCUMENTS, SHALL BE FURNISHED AND PERFORMED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE PROJECT. AN EXAMPLE OF SUCH INCIDENTAL WORK ARE OUTLET BOXES, JUNCTION BOXES, AND PULL BOXES REQUIRED FOR THE INSTALLATION OF ELECTRICAL DEVICES, LIGHTING FIXTURES, AND EQUIPMENT. ALL INCIDENTAL WORK SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH THE NEC.

- 16. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL CONDUIT AND WIRING FOR THE POWER CONNECTION TO ALL EQUIPMENT AS INDICATED IN THE DRAWINGS AND SPECIFICATIONS. ALL INCIDENTAL CONDUIT AND WIRING REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM MAY NOT BE SHOWN IN THE DRAWINGS OR SPECIFICATIONS. CONTRACTOR SHALL COORDINATE INCIDENTAL CONDUIT AND WIRING REQUIREMENTS BETWEEN ALL TRADES TO ENSURE THE INCIDENTAL CONDUIT AND WIRING IS PROVIDED AND THE AFFECTED SYSTEMS OPERATE AS INTENDED.
17. THE LOCATION OF ALL ELECTRICAL APPARATUS AND DEVICES SHOWN ON THE DRAWINGS ARE APPROXIMATE AND BEFORE INSTALLING, STUDY THE ARCHITECTURAL, STRUCTURAL, AND MECHANICAL DETAILS, THEN MAKE INSTALLATION IN THE MOST LOGICAL MANNER. CIRCUIT ROUTING IS TYPICAL AND MAY BE VARIED IN ANY MANNER. ANY PIECE OF EQUIPMENT/DEVICE MAY BE RELOCATED WITHIN 10' BEFORE INSTALLATION AT THE DIRECTION OF THE ARCHITECT WITHOUT ADDITIONAL CHARGE TO THE PROJECT.
18. SHOULD PROJECT CONDITIONS REQUIRE REARRANGEMENT OF THE PROJECT'S WORK, THE CONTRACTOR SHALL MARK SUCH CHANGES ON THE AS-BUILT DRAWINGS. IF THESE CHANGES REQUIRE AN ALTERNATE METHOD TO THOSE SPECIFIED IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL SUBMIT DRAWINGS TO REFLECT THE PROPOSED ALTERNATE METHODS TO THE ARCHITECT FOR REVIEW AND APPROVAL. THE CONTRACTOR SHALL NOT PROCEED UNTIL APPROVAL IS OBTAINED. REARRANGEMENT OF WORK FOR THE PURPOSE OF COORDINATION SHALL NOT BE CONSIDERED AN ITEM FOR EXTRA COST.
19. DISCONNECT AND REMOVE ALL ELECTRICAL APPARATUS, LIGHT FIXTURES, WIRING DEVICES, JUNCTION BOXES, AND ASSOCIATED FEEDER AND BRANCH CIRCUIT WIRING IN THE PROJECT AREA, UNLESS OTHERWISE NOTED. THE DEMOLITION DRAWINGS ARE INTENDED TO SHOW THE GENERAL LIMITS OF THE SCOPE OF WORK AND MAY NOT SHOW ALL THE EXISTING DEVICES, CONDUIT RUNS, ETC. FEEDER AND BRANCH CIRCUIT WIRING TO BE REMOVED SHALL BE DISCONNECTED FROM ITS SOURCE. REMOVE ALL CONDUCTORS, CONDUIT, AND CONDUIT SUPPORT STRUCTURES WHERE ACCESSIBLE. PATCH/REPAIR WALL, FLOOR, AND CEILING DAMAGES AS A RESULT OF THE REMOVAL WORK.
20. THE ACCESSIBLE PORTIONS OF ABANDONED COMMUNICATIONS AND FIRE ALARM CABLES SHALL BE REMOVED IN ACCORDANCE WITH THE NEC.
21. THE EXISTING ELECTRICAL, TELECOM, FIRE ALARM, AND OTHER ELECTRICALLY-RELATED SYSTEMS IN AREAS ADJACENT TO, OUTSIDE OF, AND/OR OTHERWISE PASSING THROUGH THE PROJECT LIMITS, MUST REMAIN OPERATIONAL DURING THE CONSTRUCTION PERIOD AND POST-CONSTRUCTION. THE CONTRACTOR SHALL EXERCISE DUE CARE AND CAUTION WHEN WORKING NEAR ANY EXISTING EQUIPMENT, DEVICES, OR CABLING/CIRCUITING. PROVIDE NEW JUNCTION BOXES, CONDUITS, WIRING, AND THE LABOR REQUIRED TO FACILITATE THE REQUIRED OPERATIONAL CONTINUITY. BOXES, CONDUITS, AND WIRING SHALL BE IN ACCORDANCE WITH THE NEC. ANY DAMAGE TO THE EXISTING EQUIPMENT, DEVICES, OR CABLING/CIRCUITING RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE IMMEDIATELY REPAIRED OR OTHERWISE RESTORED TO ITS ORIGINAL WORKING CONDITION AT NO ADDITIONAL COST TO THE PROJECT.
22. THE ELECTRICAL DRAWINGS ARE BASED ON PROPOSED EQUIPMENT. VERIFY ALL SYSTEM REQUIREMENTS (ELECTRICAL, MECHANICAL, FIRE ALARM, SPECIALTY SYSTEMS, ETC.) WITH THE SELECTED SYSTEM'S MANUFACTURER OR AUTHORIZED REPRESENTATIVE PRIOR TO COMMENCING WITH ANY WORK. COORDINATE RATINGS OF OVERCURRENT PROTECTION DEVICES, DISCONNECT SWITCHES, CONDUIT, AND WIRING TO MATCH THE ACTUAL EQUIPMENT SUPPLIED FOR THE PROJECT. CORRECT ALL DISCREPANCIES SO AS TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM. RECORD CHANGES ON THE AS-BUILT DRAWINGS.
23. ALL EQUIPMENT AND APPARATUS SHALL BE CAPABLE OF FITTING IN THE SPACES SHOWN WHILE MEETING THE MANUFACTURER'S RECOMMENDED ACCESS REQUIREMENTS AND APPLICABLE CODE REQUIREMENTS. REVIEW ALL SPACES WHERE EQUIPMENT IS TO BE INSTALLED PRIOR TO ORDERING OF EQUIPMENT AND NOTIFY THE ARCHITECT OF ANY INADEQUATE CLEARANCES OR CONDITIONS THAT WILL PREVENT THE PROPER INSTALLATION, MAINTENANCE, AND OPERATION OF THE EQUIPMENT.
24. CONFIRM THE TYPE OF CEILING BEING INSTALLED PRIOR TO ORDERING LUMINAIRES AND TRIMS FOR PROPER COORDINATION. LUMINAIRES INDICATED MAY NOT EXPRESSLY CONFORM TO THE TYPE OF CEILING OR OPENING PROVIDED BY OTHER TRADES.
25. CONCEAL ALL CONDUIT WHEREVER REASONABLY POSSIBLE; EXPOSED CONDUITS ARE PERMITTED ONLY WHERE SPECIFICALLY SHOWN ON THE DRAWINGS. ALL EXPOSED CONDUITS IN FINISHED AREAS SHALL BE INSTALLED IN THE LEAST VISIBLE LOCATIONS. CARE SHALL BE TAKEN TO INSTALL CONDUIT IN THE MOST AESTHETICALLY PLEASING MANNER.
26. WHERE DEVICES, EQUIPMENT, BOXES, AND OTHER ELECTRICAL MATERIALS ARE INDICATED TO BE OF WEATHERPROOF (WP) CONSTRUCTION, THE INTERCONNECTING RACEWAYS, INCLUDING COUPLINGS AND CONNECTORS, SHALL BE LISTED FOR AND INSTALLED TO PROVIDE A COMPLETE WEATHERPROOF / WET LOCATION INSTALLATION. ALL INCIDENTAL MATERIALS REQUIRED TO COMPLETE THE INSTALLATION SHALL ALSO BE OF WEATHERPROOF / WET LOCATION LISTING.
27. WIRING DEVICES AND CONDUITS SHALL BE FLUSH MOUNTED, WHEREVER REASONABLY POSSIBLE. WHERE NEW DEVICES ARE INDICATED TO BE INSTALLED IN EXISTING WALLS, FISH THE CONDUIT DOWN INTO THE EXISTING WALL CAVITY AND KEEP DISTURBANCES TO THE EXISTING WALLS TO A MINIMUM. WHERE OBSTRUCTIONS ARE ENCOUNTERED OR CUTTING OF THE WALL TO ACCOMPLISH THE WIRING DEVICE AND CONDUIT INSTALLATION IS UNAVOIDABLE, CONSULT WITH THE ARCHITECT PRIOR TO COMMENCING ANY WORK.
28. PROVIDE TYPEWRITTEN CIRCUIT DIRECTORIES FOR ALL PANELS, NEW OR MODIFIED, REFLECTING THE CIRCUIT ARRANGEMENTS AS THEY WERE ACTUALLY INSTALLED.

- 29. AN ADHESIVE VINYL NAMEPLATE SHALL BE PROVIDED FOR ALL SWITCHES, RECEPTACLES, DISCONNECT SWITCHES, MOTOR STARTERS, AND MISCELLANEOUS DEVICES REQUIRING POWER. THE NAMEPLATE SHALL INDICATE THE PANELBOARD SERVING THE DEVICE AND THE CORRESPONDING CIRCUIT ASSIGNMENT. LETTERING SHALL BE A MINIMUM OF 1/4" HIGH. UTILIZE BROTHER "P-TOUCH" LABEL MAKER OR APPROVED SUBSTITUTE.
30. A GREEN, EQUIPMENT GROUND CONDUCTOR SIZED IN ACCORDANCE WITH THE NEC ARTICLE 250 SHALL BE INSTALLED IN ALL FEEDER AND BRANCH CIRCUITS WHETHER INDICATED ON CONTRACT DRAWINGS OR NOT. INSTALL THIS CONDUCTOR IN ALL RACEWAYS INCLUDING THOSE INSTALLED FOR SWITCH LEGS AND ATTACH TO THE DEVICE, LUMINAIRE, OR EQUIPMENT USING A SUITABLE GROUNDING LUG.
31. DO NOT USE A COMMON NEUTRAL FOR MULTIPLE BRANCH CIRCUITS INSTALLED IN A COMMON CONDUIT. PROVIDE A DEDICATED NEUTRAL FOR EACH INDIVIDUAL CIRCUIT. WHERE MULTIPLE DEDICATED NEUTRALS ARE INSTALLED IN A COMMON CONDUIT, PROVIDE COLOR CODING OF THE DIFFERENT NEUTRAL CONDUCTORS IN ACCORDANCE WITH THE NEC (WHITE, GRAY, THREE CONTINUOUS WHITE OR GRAY STRIPES, ETC.)
32. PROVIDE NYLON PULLSTRINGS IN ALL EMPTY CONDUITS UNLESS OTHERWISE INDICATED.
33. THE TELECOMMUNICATIONS RACEWAY SYSTEM INSTALLATION SHALL COMPLY WITH TIA/EIA AND BICSI STANDARDS UNLESS OTHERWISE NOTED.
34. CONDUIT BODIES (E.G. LB, LR, ETC.) SHALL NOT BE PERMITTED IN THE TELECOMMUNICATIONS RACEWAY SYSTEMS UNLESS SPECIFICALLY INDICATED TO BE UTILIZED AND LISTED FOR TELECOMMUNICATIONS SYSTEM USE.
35. PROVIDE INSULATED BUSHINGS AT ALL TELECOMMUNICATIONS CONDUIT TERMINATIONS AT ALL BOXES, BACKBOARDS, AND CONDUIT STUBS.
36. ALL SURFACE MOUNTED DEVICES SHALL BE INSTALLED UTILIZING FACTORY PAINTED SURFACE MOUNTING ACCESSORIES AND MATCHING DEVICE BOXES FOR THE MOST AESTHETICALLY PLEASING INSTALLATION.
37. PROVIDE KNOCK-OUT PLUGS FOR ALL UNUSED CONDUIT PENETRATIONS IN BOXES AND ENCLOSURES DUE TO CONDUIT REMOVAL.
38. PENETRATIONS THROUGH FIRE-RATED WALLS, CEILINGS, AND FLOORS SHALL BE SEALED TO MAINTAIN FIRE RATINGS. UTILIZE 3M CP25, PUTTY 303, OR OTHER SUITABLE UL-LISTED SEALING SYSTEM.
39. PATCH, REFINISH, AND PAINT ALL PENETRATIONS THROUGH WALLS AND SLABS TO MATCH FINISH OF ADJACENT SURFACES.
40. RESTORE/REPAIR ANY DAMAGE TO EXISTING SURFACES RESULTING FROM THE INSTALLATION OF NEW ELECTRICAL ITEMS. THE AREAS REPAIRED SHALL MATCH THE ADJACENT SURFACES IN TEXTURE, FINISH, AND COLOR.
41. PAINTING OF ELECTRICAL EQUIPMENT:
a. INTERIOR LOCATIONS - PRIME AND PAINT ALL EXPOSED CONDUITS, BOXES, FITTINGS, SUPPORT CHANNELS, MOUNTING HARDWARE, AND ACCESSORIES WITH TWO FINISH COATS TO MATCH THE SURFACE ON WHICH THEY ARE MOUNTED OR TO MATCH THE FINISH OF THE ADJACENT SURFACES. EQUIPMENT SURFACES/COMPONENTS WITH A FACTORY-APPLIED PAINT FINISH NEED NOT BE PAINTED.
b. EXTERIOR LOCATIONS - PRIME ALL EXPOSED CONDUITS, BOXES, FITTINGS, SUPPORT CHANNELS, MOUNTING HARDWARE, AND ACCESSORIES WITH A 2-PART EPOXY PRIMER AND FINISH WITH 2 COATS OF AN ALIPHATIC ACRYLIC URETHANE PAINT. PAINT FINISH TO MATCH THE SURFACE ON WHICH THEY ARE MOUNTED OR TO MATCH THE FINISH OF THE ADJACENT SURFACES. STAINLESS STEEL MATERIALS NEED NOT BE PAINTED.
42. LIGHTING SYSTEM CONTROLS FUNCTIONAL TESTING: PROVIDE ALL MATERIALS AND LABOR REQUIRED TO TEST THE LIGHTING SYSTEM CONTROLS TO ENSURE THAT THE CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED, PROGRAMMED, AND IN PROPER WORKING CONDITION IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL PERFORM AND DOCUMENT THE FUNCTIONAL TESTING WHICH SHALL BE IN ACCORDANCE WITH THE APPLICABLE PARAGRAPHS OF THE [STATE'S] [COUNTY'S] ENERGY CODE. THE DESIGNER OF RECORD SHALL WITNESS THE FUNCTIONAL TESTING. THE TESTING DOCUMENTATION SHALL BE PROVIDED TO THE DESIGNER OF RECORD FOR REVIEW AND APPROVAL PRIOR TO PROJECT CLOSE-OUT.
43. ALL ELECTRIFIED UTILIZATION EQUIPMENT, CONTROL DEVICES, CONTROL CIRCUITING, AND SEPARATELY MOUNTED MOTOR STARTERS/CONTROLLERS ARE SPECIFIED AND PROVIDED UNDER THE APPLICABLE SPECIFICATION SECTIONS. ALL LINE VOLTAGE POWER TO THE ELECTRIFIED UTILIZATION EQUIPMENT SHALL BE PROVIDED UNDER THE ELECTRICAL CONTRACT DOCUMENTS.
44. FOR ELECTRIFIED UTILIZATION EQUIPMENT, COORDINATE THE MOUNTING HEIGHT OF THE ASSOCIATED JUNCTION BOX, DISCONNECT SWITCH, OR STARTER/CONTROLLER WITH THE ACTUAL EQUIPMENT SUPPLIED.
45. PROVIDE EARTHQUAKE BRACING FOR ALL ELECTRICAL EQUIPMENT, APPARATUS, AND RACEWAYS. BRACING SHALL, AS A MINIMUM, COMPLY WITH THE COUNTY BUILDING CODE.
46. ALL CONDUITS ENTERING THE BUILDING FROM THE EXTERIOR SHALL BE SEALED TO PREVENT ENTRANCE OF MOISTURE, GASES, AND RODENTS.
47. WHERE A FIRE ALARM SYSTEM EVENT IS REQUIRED TO TURN "ON" EGRESS OR OTHER AUTOMATICALLY CONTROLLED LIGHTING FIXTURES, COORDINATE ALL INTERFACE REQUIREMENTS WITH THE FIRE ALARM SYSTEM SUPPLIER AND APPROPRIATE INSTALLING CONTRACTOR.

PALEKANA PERMITS
THIRD PARTY CERTIFICATION
Building Code Electrical Code
Mechanical Code ZPRB (Land use Ordinance)
Structural (Non-Single / 2-Family Dwellings)

CITY AND COUNTY OF HONOLULU
DEPARTMENT OF PLANNING AND PERMITTING
APPROVED
The issuance hereunder of any permit or approval of plans, specifications, and other data shall not be construed to be a permit for, or approval of, any violation of any provisions of this code or of any other law.
PERMIT NUMBER: 4/29/2025
APPROVED DATE: 4/29/2025
BY: Xi Jing Fang

RMA ARCHITECTS INC.
T 808 591 1818 F 808 591 1618
1150 S. KING STREET, 8TH FLOOR, HONOLULU, HAWAII 96814

DATE: 02/20/2024
JOB NO.: 23-014
DRAWN BY: KH
DESIGNED BY: KH
L. GARRET A. MASUDA
LICENSED PROFESSIONAL ENGINEER
No. 9756-E
HAWAII, U.S.A.
Expires: April 30, 2026
This work was prepared by me or under my supervision and construction of this project will be under my observation.
Signature: Garrett A. Masuda

Table with 4 columns: REV, DATE, DESCRIPTION, BY. Includes a REVISIONS section with a note about construction and utility work.

Project: HCDA KAUHALE KAKAOKO PARKING GARAGE MODERNIZE TWO PASSENGER ELEVATORS
860 HALEKAUWILA STREET, KAKAOKO, HONOLULU, HAWAII, 96813
TMK: 2-1-050-013
Description: ELECTRICAL GENERAL NOTES

SHEET NUMBER
E002
29 OF 36 SHEETS

APPROVED

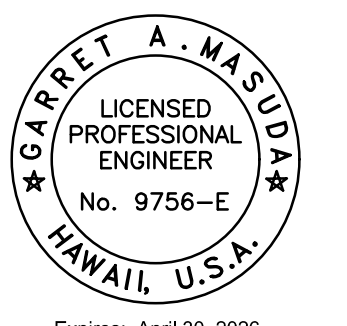
The issuance hereunder of any permit or approval of plans, specifications, and other data shall not be construed to be a permit for, or approval of, any violation of any provisions of this code or of any other law. The issuance of a permit shall not prevent the building official from thereafter requiring the correction of errors in the plans and specifications or from halting building operations when in violation of the provisions of said chapters and this chapter or of any other law; nor shall it prevent the institute of criminal action and the imposition of penalty as prescribed under Section 18-7.1 hereof for violation of any of the provisions of said chapters and this chapter.

PERMIT NUMBER: **23-014**
APPROVED DATE: **4/29/2025**
BY: **Xi Jing Fang**

- PALEKANA PERMITS
THIRD PARTY CERTIFICATION
- Building Code
 - Electrical Code
 - Mechanical Code
 - ZPRB (Land Use Ordinance)
 - Structural (Non-Single / 2-Family Dwellings)

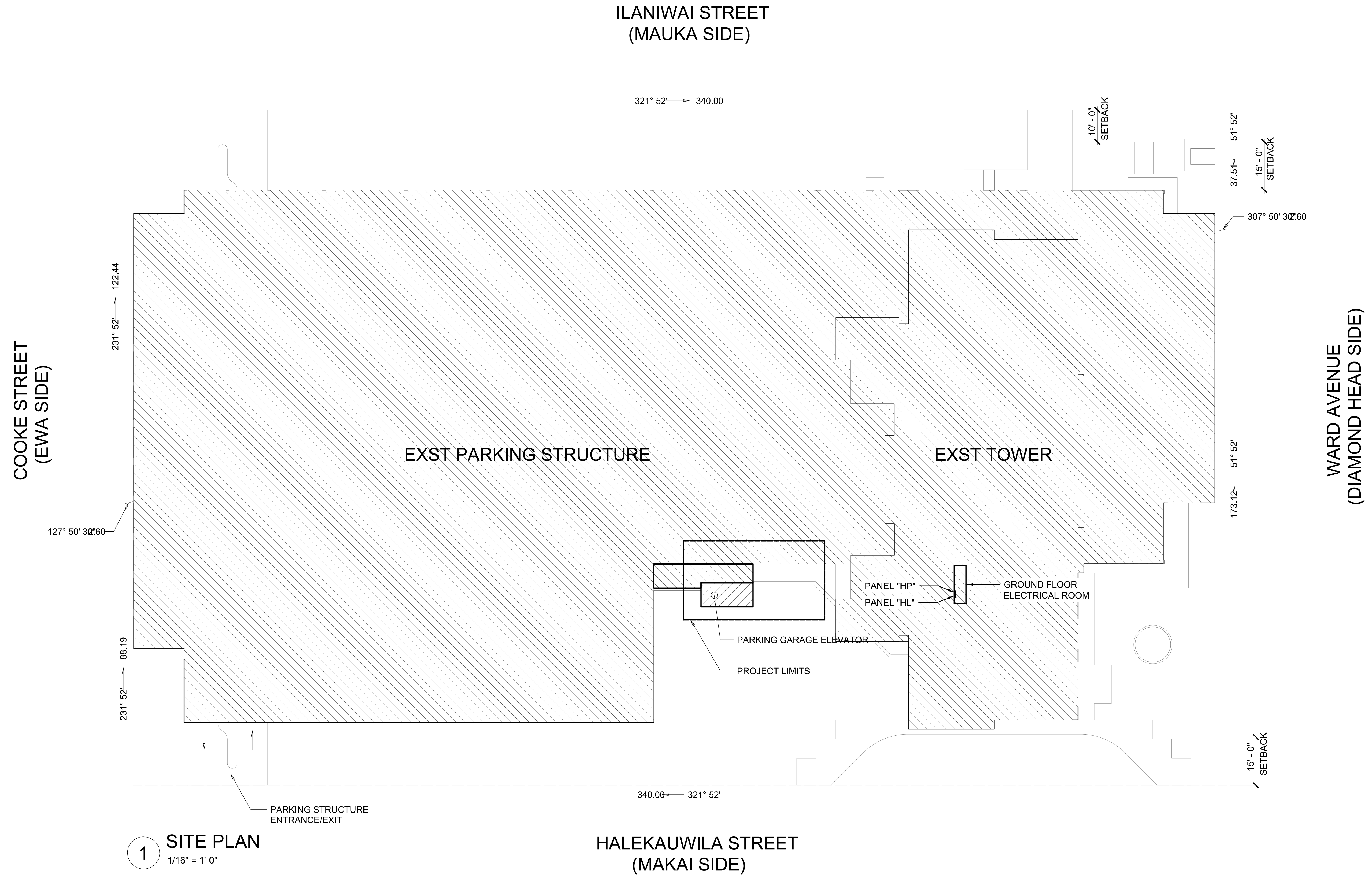
RMA ARCHITECTS INC.
T 808 591 1818 F 808 591 1618
1150 S. KING STREET, 8TH FLOOR,
HONOLULU, HAWAII 96814

DATE: **02/20/2024**
JOB NO.: **23-014**
DRAWN BY: **KH**
DESIGNED BY: **KH**

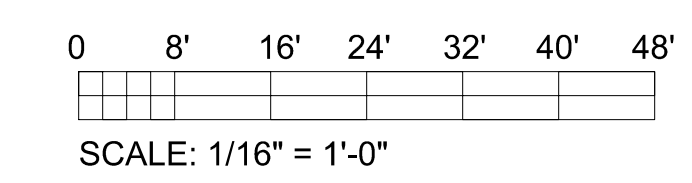


Expires: April 30, 2026
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Garrett A. Masuda
Signature

REV.	DATE	DESCRIPTION	BY



1 SITE PLAN
1/16" = 1'-0"



Project: **HCDA KAUHALE KAKAOKO PARKING GARAGE MODERNIZE TWO PASSENGER ELEVATORS**
860 HALEKAUWILA STREET, KAKAOKO, HONOLULU, HAWAII, 96813
TMK: 2-1-050-013
Description: **ELECTRICAL GENERAL NOTES**

SHEET NUMBER
E003
30 OF 36 SHEETS

APPROVED

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PERMIT NUMBER: **APPROVED DATE: 4/29/2025**
BY: **Xi Jing Fang**

- PALEKANA PERMITS
THIRD PARTY CERTIFICATION**
- Building Code
 - Electrical Code
 - Mechanical Code
 - ZPRB (Land use Ordinance)
 - Structural (Non-Single / 2-Family Dwellings)

RMA ARCHITECTS INC.
T 808 591 1818 F 808 591 1618
1150 S. KING STREET, 8TH FLOOR,
HONOLULU, HAWAII 96814

DATE: **02/20/2024**
JOB NO.: **23-014**
DRAWN BY: **KH**
DESIGNED BY: **KH**

GARRET A. MASUDA
LICENSED PROFESSIONAL ENGINEER
No. 9756-E
HAWAII, U.S.A.
Expires: April 30, 2026

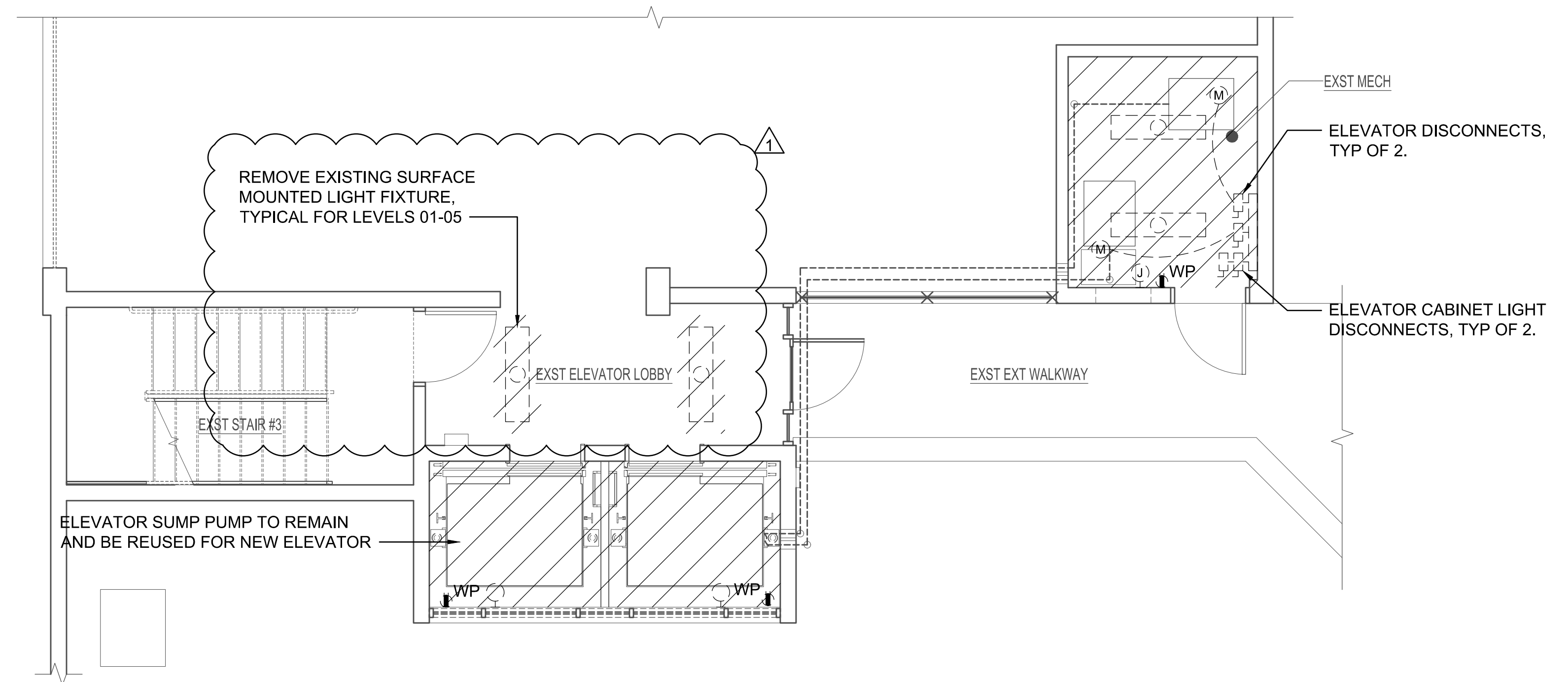
This work was prepared by me or under my supervision and construction of this project will be under my observation. (Observation of construction as defined in the current Hawaii Administrative Rules "Professional Engineers, Architects, Surveyors and Landscape Architects")

Garret A. Masuda
Signature

REV.	DATE	DESCRIPTION	BY

Project: **HCDA KAUHALE KAKA'AKO PARKING GARAGE
MODERNIZE TWO PASSENGER ELEVATORS**
860 HALEKAUWILA STREET, KAKA'AKO, HONOLULU, HAWAII, 96813
TMK: 2-1-050-013
Description: **LEVEL 01 ELEVATOR LOBBY DEMOLITION ELECTRICAL PLAN**

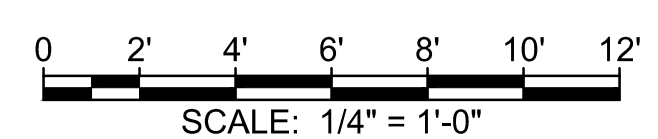
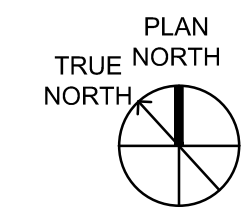
SHEET NUMBER
ED101
31 OF 36 SHEETS



DEMOLITION NOTES:

- DISCONNECT AND REMOVE EXISTING ELECTRICAL CONDUCTORS FROM EQUIPMENT IN ELEVATOR PIT AND ELEVATOR MACHINE ROOM BACK TO SOURCE.
- DISCONNECT AND REMOVE ALL CONDUITS NOT CONCEALED IN CONCRETE, CMU OR BELOW GRADE. CONDUITS CONCEALED IN CONCRETE, CMU OR BELOW GRADE SHALL BE ABANDONED IN PLACE. REMOVE ALL WIRE AND PULLSTRINGS FROM ABANDON CONDUITS AND SECURELY CAP EACH END.
- DISCONNECT AND REMOVE ALL EXISTING LIGHT FIXTURES, RECEPTACLES, DISCONNECT SWITCHES, JUNCTION BOXES, WAIREWAYS AND OTHER MISCELLANEOUS ELECTRICAL EQUIPMENT UNLESS OTHERWISE NOTED.
- ALL LUMINAIRES, LAMPS, BALLASTS REMOVED SHALL BE DISPOSED OF IN STRICT COMPLIANCE WITH EPA REQUIREMENTS AND THE LOCAL AGENCY HAVING JURISDICTION.

1 LEVEL 01 ELEVATOR LOBBY DEMOLITION ELECTRICAL PLAN
SCALE: 1/4" = 1'-0"



APPROVED

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PERMIT NUMBER: 23-014
APPROVED DATE: 4/29/2025
BY: Xi Jing Fang

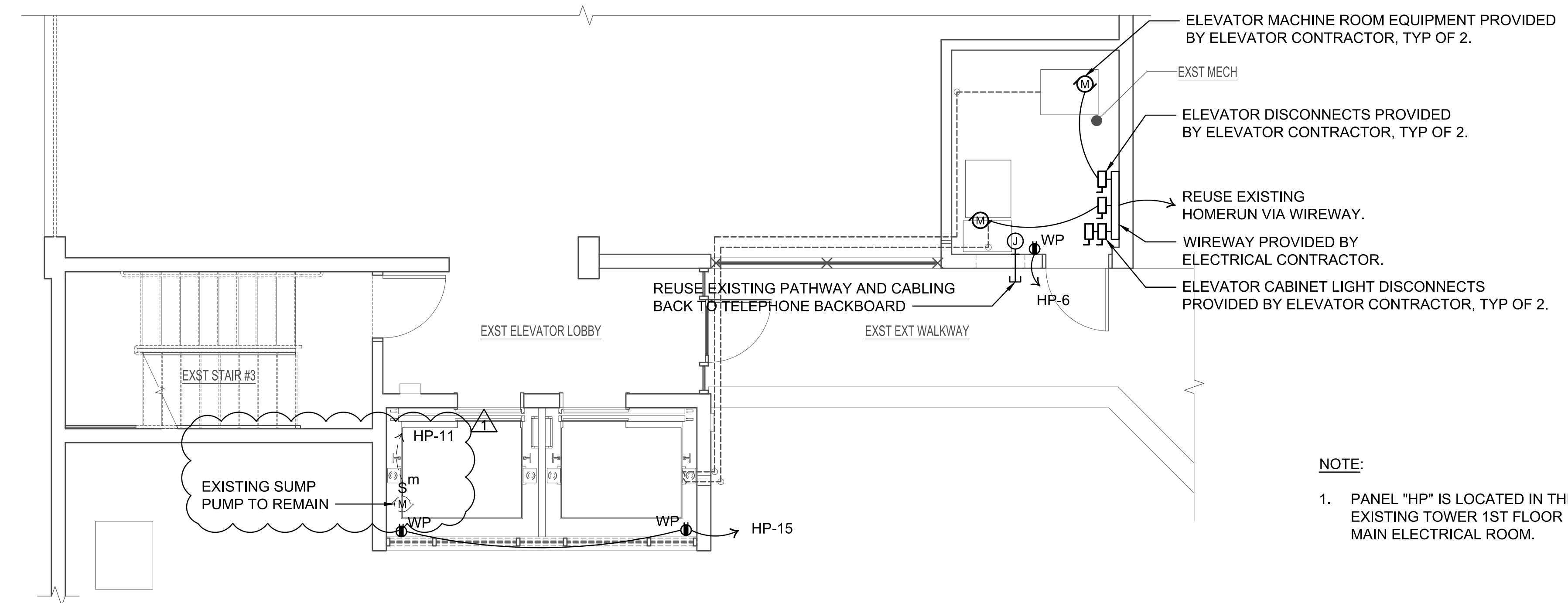
- PALEKANA PERMITS
THIRD PARTY CERTIFICATION
- Building Code
 - Electrical Code
 - Mechanical Code
 - ZPRB (Land use Ordinance)
 - Structural (Non-Single / 2-Family Dwellings)

RMA
ARCHITECTS INC.
T 808 591 1818 F 808 591 1618
1150 S. KING STREET, 8TH FLOOR,
HONOLULU, HAWAII 96814

DATE: 02/20/2024
JOB NO.: 23-014
DRAWN BY: KH
DESIGNED BY: KH

GARRET A. MASUDA
LICENSED PROFESSIONAL ENGINEER
No. 9756-E
HAWAII, U.S.A.
Expires: April 30, 2026

Garret A. Masuda
Signature

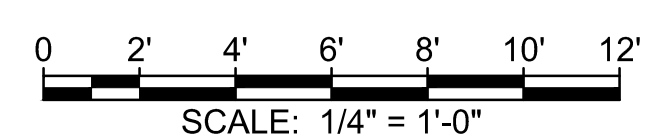
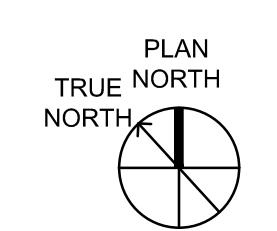


NOTE:
1. PANEL "HP" IS LOCATED IN THE EXISTING TOWER 1ST FLOOR MAIN ELECTRICAL ROOM.

1 LEVEL 01 ELEVATOR LOBBY POWER PLAN
SCALE: 1/4" = 1'-0"

REV.	DATE	DESCRIPTION	BY

Project: HCDA KAUHALE KAKAOKO PARKING GARAGE
MODERNIZE TWO PASSENGER ELEVATORS
860 HALEKAUWILA STREET, KAKAOKO, HONOLULU, HAWAII, 96813
TMK: 2-1-050-013
Description: LEVEL 01 ELEVATOR LOBBY POWER PLAN



SHEET NUMBER
E101
32 OF 36 SHEETS

APPROVED

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AP2024-11-0418

PERMIT NUMBER: 4/29/2025

APPROVED DATE: 4/29/2025
BY: Xi Jing Fang

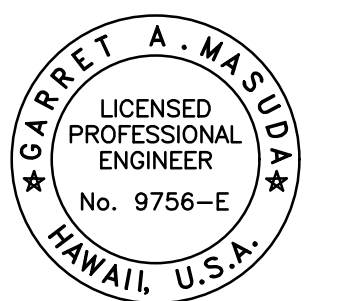


PALEKANA PERMITS
THIRD PARTY CERTIFICATION

<input type="checkbox"/> Building Code	<input type="checkbox"/> Electrical Code
<input type="checkbox"/> Mechanical Code	<input type="checkbox"/> ZPRB (Land use Ordinance)
<input type="checkbox"/> Structural (Non-Single / 2-Family Dwellings)	

RMA ARCHITECTS INC.
T 808 591 1818 F 808 591 1618
1150 S. KING STREET, 8TH FLOOR,
HONOLULU, HAWAII 96814

DATE: 02/20/2024
JOB NO.: 23-014
DRAWN BY: KH
DESIGNED BY: KH



Expires: April 30, 2026
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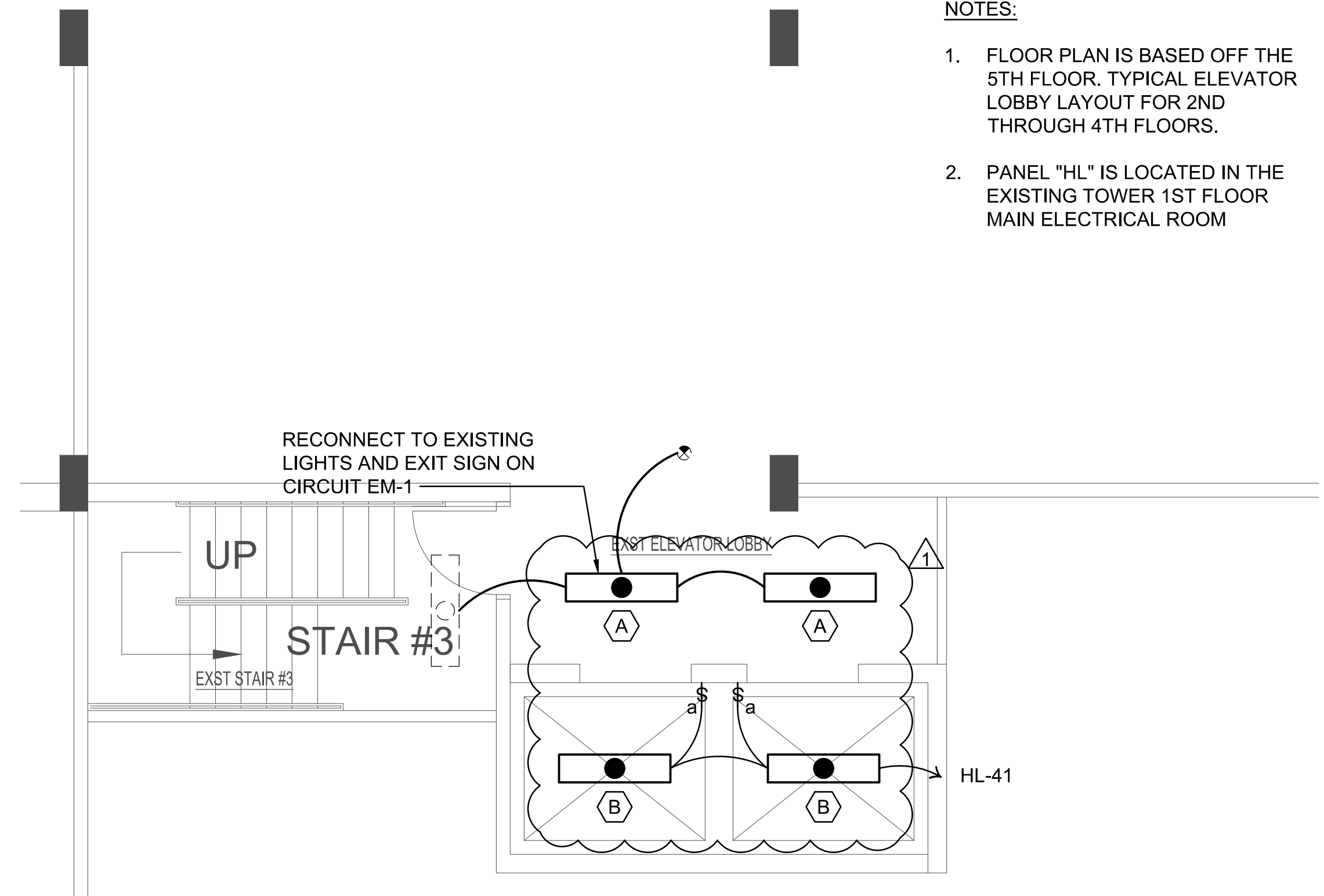
Garrett A. Masuyaka
Signature

REV.	DATE	DESCRIPTION	BY

Project: **HCDA KAUHALE KAKAAKO PARKING GARAGE MODERNIZE TWO PASSENGER ELEVATORS**
860 HALEKAUWILA STREET, KAKAAKO, HONOLULU, HAWAII, 96813
TMK: 2-1-050-013
Description: **LEVEL 02 POWER AND LIGHTING PLANS**

NOTES:

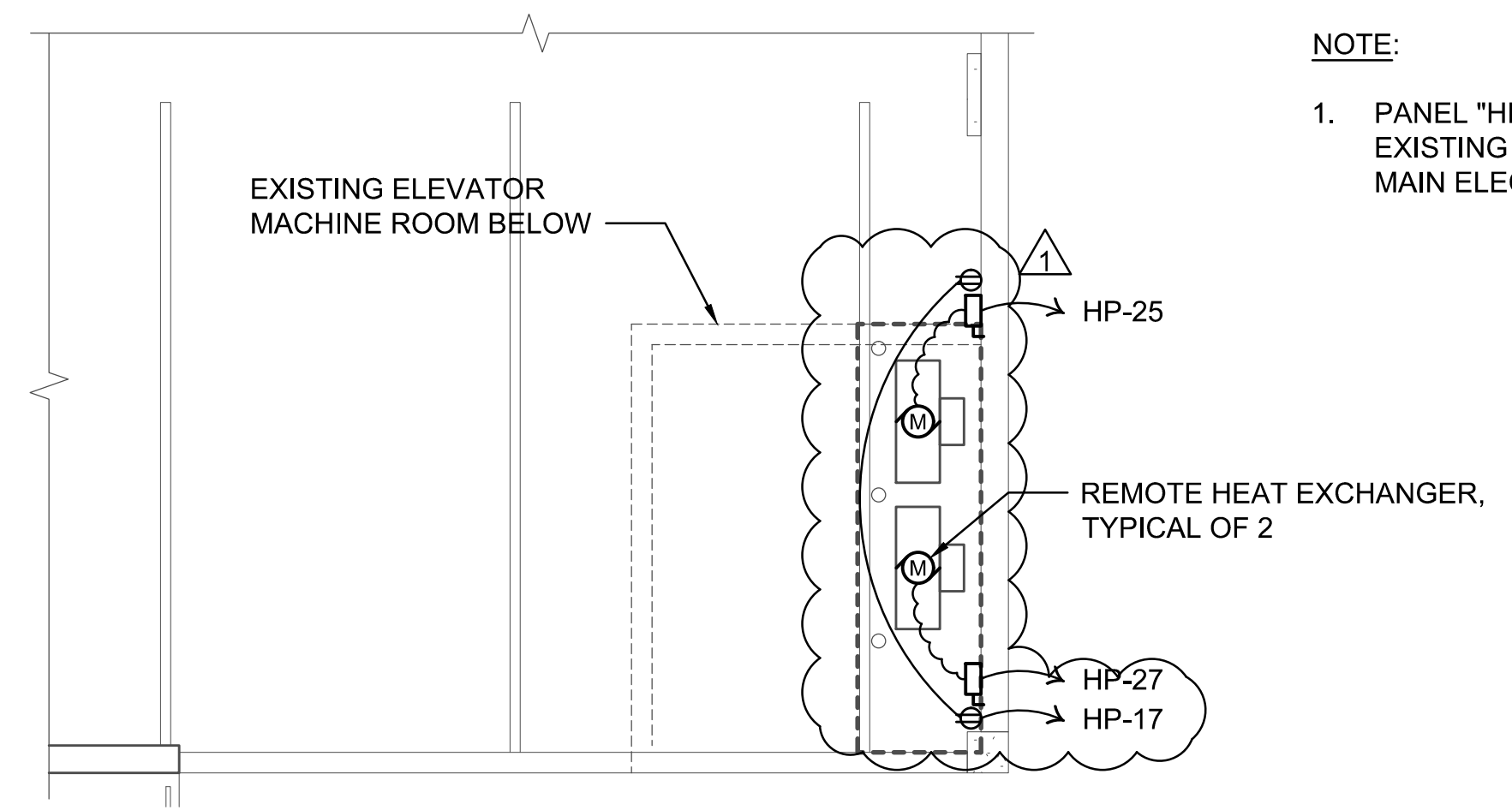
- FLOOR PLAN IS BASED OFF THE 5TH FLOOR. TYPICAL ELEVATOR LOBBY LAYOUT FOR 2ND THROUGH 4TH FLOORS.
- PANEL "HL" IS LOCATED IN THE EXISTING TOWER 1ST FLOOR MAIN ELECTRICAL ROOM



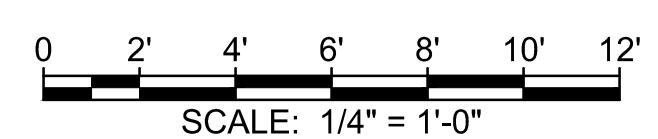
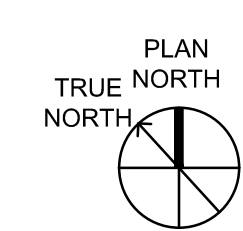
1 LEVEL 02 ELEVATOR LOBBY LIGHTING PLAN (LEVEL 03 - 05 TYP.)
SCALE: 1/4" = 1'-0"

NOTE:

- PANEL "HP" IS LOCATED IN THE EXISTING TOWER 1ST FLOOR MAIN ELECTRICAL ROOM.



2 LEVEL 02 PARTIAL PARKING GARAGE POWER PLAN
SCALE: 1/4" = 1'-0"



SHEET NUMBER

E103

34 OF 36 SHEETS

APPROVED

The issuance hereunder of any permit or approval of plans, specifications, and other data shall not be construed to be a permit for, or approval of, any violation of any provisions of this code or of any other law. The issuance of a permit shall not prevent the building official from thereafter requiring the correction of errors in the plans and specifications or from halting building operations when in violation of the provisions of said chapters and this chapter or of any other law; nor shall it prevent the institution of criminal action and the imposition of penalty as prescribed under Section 18-7.1 hereof for violation of any of the provisions of said chapters and this chapter.

PERMIT NUMBER: 4/29/2025
APPROVED DATE: 4/29/2025
BY: Xi Jing Fang

PALEKANA PERMITS
THIRD PARTY CERTIFICATION

Building Code Electrical Code

Mechanical Code ZPRB (Land use Ordinance)

Structural (Non-Single / 2-Family Dwellings)

EQUIPMENT SCHEDULE

EQUIPMENT ID	EQUIPMENT DESCRIPTION	SPECIFIED RATING (HP / KW)	VOLTAGE / PHASE	FLA / RLA	MOCP	MCA	TERMINATION TYPE	DISCONNECT SWITCH		BRANCH CIRCUIT REQUIREMENT	REMARKS
								POLES / AMPS	ENCLOSURE		
EF-M.5	EXHAUST FAN	0.75 HP	120V / 1PH	10	1P20A	12	HARDWIRED	1P20A	NEMA 1	3/4"C, 2 #12, 1 #12 GND	

LIGHT FIXTURE SCHEDULE

TYPE	GENERAL DESCRIPTION	MOUNTING STYLE	CHASSIS / FINISH	DRIVER / BALLAST	SHIELDING / REFLECTOR	NOMINAL DIMENSIONS	LAMP TYPE	INPUT WATTS	LUMEN OUTPUT	COLOR TEMP	CRI	VOLTAGE	SPECIAL CERTIFICATIONS OR LISTINGS	MANUFACTURER + MODEL NUMBER	REMARKS
A	LINEAR	CEILING SURFACE MOUNTED	EXTRUDED ALUMINUM HOUSING WITH FLAT DIECAST ALUMINUM ENDCAPS AND WHITE POWDER COAT FINISH. EM BATTERY PACK.	INTEGRAL ELECTRONIC DRIVER	STEEL REFLECTORS FINISHED IN WHITE POWDER COAT PAINT	4"W x 4"H x 48"L	LED	36W	1908 LU	3500K	90 CRI	120V		FINELITE HP4-SM-D-4-B-935-F-96LG-120-SC-FC-10%-C4-FE-SW-LGD18W	
B	VAPOR TIGHT	CEILING SURFACE MOUNTED	UV STABILIZED POLYCARBONATE HOUSING, LIQUID SILICONE PERIMETER GASKET WITH MEMORY RETENTION.	INTEGRAL ELECTRONIC DRIVER	FROSTED RIBBED ACRYLIC DIFFUSER	7"W x 4"H x 48"L	LED	60W	7000 LU	3500K	80+ CRI	120-277V		BEGHELLI BS100LED-4-SA-MO-WT35-120/277-JM	
C	VAPOR TIGHT	WALL MOUNTED	UV STABILIZED POLYCARBONATE HOUSING, LIQUID SILICONE PERIMETER GASKET WITH MEMORY RETENTION. EM BATTERY PACK	INTEGRAL ELECTRONIC DRIVER	FROSTED RIBBED ACRYLIC DIFFUSER	7"W x 4"H x 48"L	LED	60W	7000 LU	3500K	80+ CRI	120-277V		BEGHELLI BS100LED-4-SA-MO-WT35-120/277-JM	
D	STRIP	CEILING SURFACE MOUNTED	CODE-GAUGE STEEL HOUSING, WIREWAY AND ENDS WITH WHITE FINISH. EM BATTERY PACK.	INTEGRAL ELECTRONIC DRIVER	PRISMATIC ACRYLIC LENS	4"W x 4"H x 48"L	LED	42W	5329 LU	3500K	80 CRI	120-277V		HUBBELL LCL4-35ML-EU-ELL14	

EXISTING PANELBOARD: HP

LOCATION: ELEC ROOM
SUPPLY FROM: SWITCHBOARD
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

VOLTS: 208Y/120
PHASES: 3
WIRES: 4
CABINET WIDTH: 20"

A.I.C RATING: 35,000
MAINS TYPE: MAIN LUGS
BUS RATING: 100A
MCB RATING: N/A

GND	WIRE	CKT	CIRCUIT DESCRIPTION	ID	TRIP	POLES	A	B	C	POLES	TRIP	ID	CIRCUIT DESCRIPTION	CKT	WIRE	GND
#12	#10	1	R-PARKING GARAGE	20A	1	1.0	1.0			20A	1		R-APT TWR GND-5TH	2	#10	#12
#12	#10	3	R-PARKING GARAGE	20A	1			1.0	1.0	20A	1		R-GROUND FLOOR	4	#10	#12
#12	#10	5	R-PARKING GARAGE	20A	1					20A	1		R-GARAGE ELEV/EQUIP RM	6	#12	#12
#12	#12	7	R-OFFICE/LOBBY	20A	1	1.0	1.0			20A	1		R-ELEC RM GND FLR	8	#12	#12
#12	#12	9	M-SF-4	20A	1			1.0	1.0	20A	1		R-STOR 3RD-5TH FLRS	10	#12	#12
#12	#12	11	SUMP PUMP	15A	1				1.0	1.0	1.0	1.0	O-IRRIGATION CONTROLLER	12	#12	#12
#12	#12	13	SUMP PUMP	15A	1	1.0	1.0			20A	1		R-CATV EQUIP	14	-	-
#12	#12	15	R-ELEVATOR PIT	20A	1			0.4	1.0	20A	1		R-ENTERPHONE	16	#12	#12
#12	#12	17	R-LEVEL 02 GARAGE	20A	1				0.4	1.0	20A	1	O-FRONT OFFICE FAN	18	#12	#12
#12	#12	19	O-ROLL-UP DOOR	20A	1	1.0	1.0			20A	1		O-MAIN ENTRY DOOR OPERATOR	20	#12	#12
#12	#12	21	O-ROLL-UP DOOR	20A	1			1.0	1.0	20A	1		R-LOBBY TV RECEP	22	#12	#12
#12	#12	23	O-ROLL-UP DOOR	20A	1				1.0	0.0	-	-	PFB	24	-	-
#12	#12	25	H-REMOTE HEAT EXCHANGER	20A	1	0.9	0.0			-	-	-	PFB	26	-	-
#12	#12	27	H-REMOTE HEAT EXCHANGER	20A	1			0.9	0.0	-	-	-	PFB	28	-	-
-	-	29	PFB	-	-				0.0	1.0	-	-	M-FCU MGRS OFFICE	30	-	-
-	-	31	M-FCU LOBBY	-	-	1.0	1.0			-	-	-	M-FCU MGRS OFFICE	32	-	-
-	-	33	M-FCU LOBBY	-	-			1.0	1.0	-	-	-	M-SF-3 MSRS OFFICE	34	-	-
-	-	35	PFB	-	-				0.0	0.0	-	-	SPARE	36	-	-
-	-	37	PFB	-	-	0.0	1.0			-	-	-	R-MANAGER OFFICE	38	-	-
-	-	39	M-SF-2 LOBBY	-	-			1.0	1.0	-	-	-	R-MANAGER OFFICE	40	-	-
-	-	41	PFB	-	-				0.0	1.0	-	-	R-SECURITY SYSTEM	42	-	-

TOTAL LOAD: 11.9 KVA
TOTAL AMPS: 32.9 A

12.3 KVA
34.0 A

7.6 KVA
21.1 A

ID LEGEND:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	DEMAND LOAD	PANEL TOTALS
LIGHTING	0.0 KVA	100.0%	0.0 KVA	
RECEPTACLES	15.0 KVA	83.3%	12.5 KVA	TOTAL CONNECTED LOAD: 31.7 KVA
HVAC	1.7 KVA	100.0%	1.7 KVA	TOTAL DEMAND LOAD: 27.2 KVA
MOTOR LOAD	7.0 KVA	100.0%	7.0 KVA	TOTAL CONNECTED CURRENT: 88.1 A
FIRE ALARM	0.0 KVA	100.0%	0.0 KVA	TOTAL DEMAND CURRENT: 75.5 A
KITCHEN EQUIPMENT	0.0 KVA	65.0%	0.0 KVA	
OTHER LOADS	6.0 KVA	100.0%	6.0 KVA	

NOTES:
BOLD INDICATES NEW CIRCUIT

EXISTING PANELBOARD: HL

LOCATION: ELEC ROOM
SUPPLY FROM: SWITCHBOARD
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

VOLTS: 208Y/120
PHASES: 3
WIRES: 4
CABINET WIDTH: 20"

A.I.C RATING: 35,000
MAINS TYPE: MAIN LUGS
BUS RATING: 200A
MCB RATING: N/A

GND	WIRE	CKT	CIRCUIT DESCRIPTION	ID	TRIP	POLES	A	B	C	POLES	TRIP	ID	CIRCUIT DESCRIPTION	CKT	WIRE	GND
#12	#8	1	L-PARKING GND FLR	20A	1	1.2	0.9			20A	1		L-PARKING GND FLR	2	#8	#12
#12	#8	3	L-PARKING GND FLR	20A	1			1.1	0.9	20A	1		L-PARKING GND FLR	4	#8	#12
#12	#8	5	L-PARKING GND-2ND FLR	20A	1				1.1	1.1	20A	1	L-PARKING 3RD FLR	6	#8	#12
#12	#8	7	L-PARKING 2ND FLR	20A	1	1.2	1.1			20A	1		L-PARKING 3RD FLR	8	#8	#12
#12	#8	9	L-PARKING 2ND FLR	20A	1			1.2	1.1	20A	1		L-PARKING 4TH FLR	10	#8	#12
#12	#8	11	L-PARKING 2ND FLR	15A	1				1.1	1.1	15A	1	L-PARKING 4TH FLR	12	#8	#12
#12	#8	13	L-PARKING 3RD FLR	15A	1	1.1	1.2			20A	1		L-PARKING 5TH FLR	14	#8	#12
#12	#8	15	L-PARKING 3RD FLR	20A	1			1.1	1.2	20A	1		L-PARKING 5TH FLR	16	#8	#12
#12	#8	17	L-PARKING 3RD FLR	20A	1				1.1	1.2	20A	1	L-PARKING 5TH FLR	18	#8	#12
#12	#8	19	L-PARKING 4TH FLR	20A	1	1.2	1.2			20A	1		L-PARKING 5TH FLR	20	#8	#12
#12	#8	21	L-PARKING 4TH FLR	20A	1			1.1	1.4	20A	1		L-ELEC/LOBBY/GND/2ND OFF	22	#12	#12
#12	#8	23	L-PARKING 4TH FLR	20A	1				1.1	1.1	20A	1	L-ELEV/LOBBY/3.4.5TH FLR	24	#12	#12
#12	#12	25	L-PARKING 4TH FLR	20A	1	0.8	0.9			20A	1		L-MAIN LOBBY/EXTERIOR	26	#12	#12
#12	#12	27	L-ELEC/STOR/TRASH GND	20A	1			1.5	1.8	20A	1		L-STORE3R,4TH,5TH FLR	28	#12	#12
#12	#12	29	L-TOILETS	20A	1				1.6	0.5	20A	1	L-GARAGE ELEV/EQUIP RM	30	#12	#12
#12	#12	31	L-LOADING AREA/CORR	20A	1	1.5	1.0			20A	1		L-DIMMER CONTROL	32	#12	#12
#12	#12	33	L-EXTERIOR	20A	1			1.0	1.0	20A	1		L-MISC	34	#12	#12
#12	#12	35	L-MISC	20A	1				1.0	1.0	20A	1	L-MISC	36	#12	#12
#12	#12	37	L-MISC	20A	1	1.0	1.0			20A	1		L-MISC	38	#12	#12
#12	#12	39	L-ELEVATOR PIT	G 20A	1			0.5	0.0	-	-		PFB	40	-	-
#12	#12	41	L-ELEVATOR OVERRUN	G 20A	1				0.5	0.0	-	-	PFB	42	-	-

TOTAL LOAD: 15.3 KVA
TOTAL AMPS: 42.5 A

14.9 KVA
41.4 A

13.5 KVA
37.5 A

ID LEGEND:

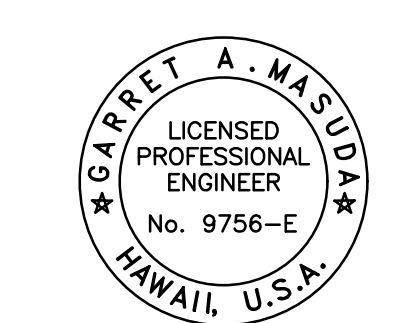
*G DENOTES GFCI BREAKER

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	DEMAND LOAD	PANEL TOTALS
LIGHTING	43.7 KVA	100.0%	43.7 KVA	
RECEPTACLES	0.0 KVA	#DIV/0!	0.0 KVA	TOTAL CONNECTED LOAD: 43.7 KVA
HVAC	0.0 KVA	100.0%	0.0 KVA	TOTAL DEMAND LOAD: 43.7 KVA
MOTOR LOAD	0.0 KVA	100.0%	0.0 KVA	TOTAL CONNECTED CURRENT: 121.3 A
FIRE ALARM	0.0 KVA	100.0%	0.0 KVA	TOTAL DEMAND CURRENT: 121.3 A
KITCHEN EQUIPMENT	0.0 KVA	65.0%	0.0 KVA	
OTHER LOADS	0.0 KVA	100.0%	0.0 KVA	

NOTES:
BOLD INDICATES NEW CIRCUIT

RMA ARCHITECTS INC.
T 808 591 1818 F 808 591 1618
1150 S. KING STREET, 8TH FLOOR,
HONOLULU, HAWAII 96814

DATE: 02/20/2024
JOB NO.: 23-014
DRAWN BY: KH
DESIGNED BY: KH



Expires: April 30, 2026
This work was prepared by me or under my supervision and construction of this project will be under my observation. (Observation of construction as defined in the current Hawaii Administrative Rules "Professional Engineers, Architects, Surveyors and Landscape Architects")

Garrett A. Masuda
Signature

REV.	DATE	DESCRIPTION	BY
1	02/20/2024	REVISIONS	

Project: HCDA KAUAHALE KAKAOKO PARKING GARAGE MODERNIZE TWO PASSENGER ELEVATORS
860 HALEKAUWILA STREET, KAKAOKO, HONOLULU, HAWAII, 96813
TMK: 2-1-050-013
Description: SCHEDULES

SHEET NUMBER

E701