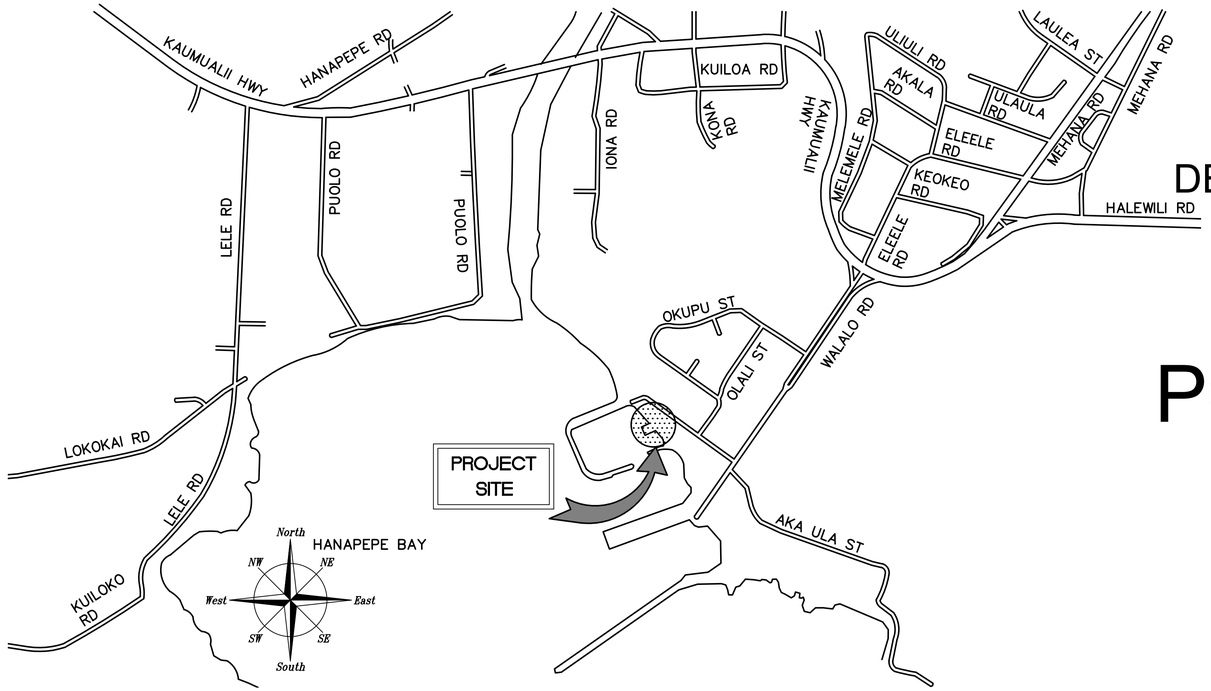


PROJECT LOCATION
SCALE: 1" = 200'

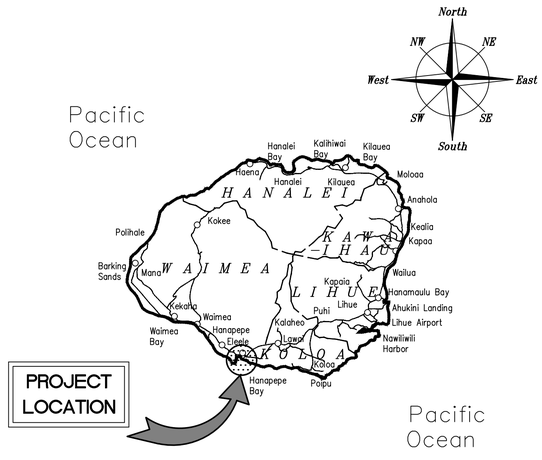
STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF BOATING AND OCEAN RECREATION

JOB NO. KA18-02

PORT ALLEN SMALL BOAT HARBOR NEW HARBOR OFFICE

ELEELE, KAUAI, HAWAII

TMK: (4) 2 - 1 - 003 : 10



ISLAND OF KAUAI
SCALE: NOT TO SCALE

INDEX

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APPROVED:

DATE: Apr 11, 2019

EDWARD R. UNDERWOOD
ADMINISTRATOR
DIVISION OF BOATING AND OCEAN RECREATION
DEPARTMENT OF LAND AND NATURAL RESOURCES

DRAWING NO.
T-1

JOB NO. KA18-02, PORT ALLEN SMALL BOAT HARBOR NEW HARBOR OFFICE

CONSTRUCTION NOTES:

1. ALL APPLICABLE CONSTRUCTION WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST REVISION OF THE STATE OF HAWAII DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" DATED 2005, AND THE CITY AND COUNTY OF HONOLULU DEPARTMENT OF PUBLIC WORKS (DPW) "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION", DATED SEPTEMBER 1986 AND "STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION", DATED SEPTEMBER 1984, AS APPLICABLE.

2. ALL WORK SHALL BE INCLUDED IN THE BASE BID UNLESS OTHERWISE INDICATED. WORK CALLED FOR ON THE PLANS AND NOT ITEMIZED IN THE PROPOSAL, AND ALL WORK NOT CALLED FOR BUT REQUIRED FOR THE CONSTRUCTION OF THE PROJECT SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.

3. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, AND SHALL BE RESPONSIBLE FOR THE REPAIR, RELOCATION OR REPLACEMENT OF SAME IN THE EVENT OF DAMAGES DUE TO HIS CONSTRUCTION PRACTICES, OR INTERFERENCES WITH CONSTRUCTION WORK. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THE RESPECTIVE UTILITY COMPANIES AND THE STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES DIVISION OF BAITING AND OCEAN RECREATION (DLNR–DOBOR).

4. THE CONTRACTOR SHALL VERIFY AND CHECK ALL DIMENSIONS AND DETAILS SHOWN ON THE DRAWINGS PRIOR TO START OF CONSTRUCTION. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION.

5. FIELD ADJUSTMENTS SHALL BE MADE ONLY AS APPROVED BY THE ENGINEER.

6. CONTRACTOR SHALL COORDINATE HIS OPERATIONS WITH THOSE OF OTHER CONTRACTORS WHO MAY BE EMPLOYED ON ADJACENT OR RELATED STATE PROJECTS AND AVOID UNNECESSARY DELAY OR HINDERANCE IN THE PERFORMANCE OF THEIR RESPECTIVE CONTRACTS.

7. OTHER AREAS OF THE HARBOR WILL BE IN USE BY THE PUBLIC THROUGHOUT THE CONSTRUCTION PERIOD. CONTRACTOR SHALL MINIMIZE DISRUPTION AND INTERFERENCE WITH SUCH ACTIVITIES. CONTRACTOR SHALL NOTIFY THE HARBORMASTER AT LEAST TWO WEEKS PRIOR TO ANY CONSTRUCTION ACTIVITY THAT MAY AFFECT ADJACENT HARBOR ACTIVITIES.

8. NO CONTRACTOR SHALL PERFORM ANY CONSTRUCTION OPERATION SO AS TO CAUSE FALLING ROCKS, SOIL OR DEBRIS IN ANY FORM TO FALL, SLIDE OR FLOW INTO EXISTING DRAINAGE SYSTEMS OR ADJOINING PROPERTIES, STREETS OR NATURAL WATERCOURSES. SHOULD SUCH VIOLATIONS OCCUR, THE CONTRACTOR MAY BE CITED AND THE CONTRACTOR SHALL IMMEDIATELY TAKE ALL REMEDIAL ACTIONS NECESSARY.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFORMANCE WITH THE APPLICABLE PROVISIONS OF THE WATER QUALITY AND WATER POLLUTION CONTROL STANDARDS CONTAINED IN HAWAII ADMINISTRATIVE RULES, TITLE 11, CHAPTER 54, "WATER QUALITY STANDARDS" AND TITLE 11, CHAPTER 55, "WATER POLLUTION CONTROL", AS WELL AS CHAPTER 14 OF THE REVISED ORDINANCES OF HONOLULU, AS AMENDED. BEST MANAGEMENT PRACTICES SHALL BE EMPLOYED AT ALL TIMES DURING CONSTRUCTION.

10. THE CONTRACTOR SHALL BE RESPONSIBLE TO PLAN AND CONSTRUCT BEST MANAGEMENT PRACTICES (BMP) AS REQUIRED BY HIS OPERATIONS TO COMPLY WITH LAWS, STANDARDS, RULES, AND/OR POLICIES OF THE COUNTY, STATE OR FEDERAL REGULATORY AGENCIES. PRIOR TO ACCEPTANCE OF THE PROJECT BY THE STATE, THE CONTRACTOR SHALL BE REQUIRED TO REMOVE ALL BEST MANAGEMENT PRACTICES AND TO RESTORE THE PROJECT SITE TO ITS ORIGINAL CONDITION OR BETTER.

11. THE CONTRACTOR SHALL OBSERVE AND COMPLY WITH THE ADMINISTRATIVE RULES OF THE STATE OF HAWAII DEPARTMENT OF HEALTH REGARDING NOISE CONTROL.

12. ALL EXISTING LANDSCAPING TO REMAIN SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.

13. PURSUANT TO CHAPTER 6E OF THE HAWAII REVISED STATUTES (HRS), IN THE EVENT ANY ARTIFACTS OR HUMAN REMAINS ARE UNCOVERED DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL IMMEDIATELY SUSPEND WORK AND NOTIFY THE HONOLULU POLICE DEPARTMENT, THE STATE DEPARTMENT OF LAND AND NATURAL RESOURCES–HISTORIC PRESERVATION DIVISION (PH. 808–692–8015), AND THE ENGINEER.

14. IN PERFORMING ALL WORK, THE CONTRACTOR SHALL EXERCISE DUE CARE AND CAUTION NECESSARY TO AVOID ANY DAMAGE INFLICTED TO AND IMPAIRMENT IN THE USE OF ANY EXISTING UTILITY LINE. ANY DAMAGE INFLICTED ON EXISTING UTILITY LINES RESULTING FROM CONTRACTOR'S OPERATIONS SHALL BE IMMEDIATELY REPAIRED OR RESTORED AS DIRECTED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.

15. THE CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY; AND THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE STATE AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE STATE OR ENGINEER.

16. THE CONTRACTOR, AT HIS OWN EXPENSE SHALL KEEP THE PROJECT AREA AND SURROUNDING AREA FREE FROM RUBBISH, DUST, NOISE, EROSION, ETC. THE WORK SHALL BE DONE IN CONFORMANCE WITH THE AIR AND WATER POLLUTION CONTROL STANDARDS AND REGULATIONS OF THE STATE DEPARTMENT OF HEALTH.

17. THE CONTRACTOR SHALL PROVIDE, INSTALL AND MAINTAIN ALL NECESSARY SIGNS, LIGHTS, BARRICADES, MARKERS, CONES AND OTHER PROTECTIVE MEASURES, AND SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE PROTECTION, CONVENIENCE AND SAFETY OF THE PUBLIC. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY SAFE PEDESTRIAN PASSAGEWAYS AROUND THE CONSTRUCTION SITE WHERE ANY PASSAGEWAY IS AFFECTED BY THE CONSTRUCTION AS REQUIRED TO MEET AMERICAN WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG).

18. THE CONTRACTOR SHALL PROVIDE PUBLIC ACCESS TO AND FROM PARKING AREAS, HARBOR FACILITIES, AND PUBLIC STREETS AT ALL TIMES. ANY ACTIVITIES REQUIRING TEMPORARY LANE CLOSURE, ETC. SHALL BE COORDINATED IN ADVANCE WITH HARBORMASTER.

19. THE CONTRACTOR SHALL PROVIDE FOR SAFE VEHICLES ACCESS UTILIZING THE EXISTING ACCESS ROADWAY AT ALL TIMES. SHOULD TEMPORARY ONE LANE CLOSURE BE REQUIRED (SUCH AS DURING LOADING OR DELIVERY OF MATERIALS, CONTRACTOR SHALL PROVIDE ADEQUATE TRAFFIC CONTROL (FLAGGERS) TO MAINTAIN SAFE BYPASS.

20. THE CONTRACTOR SHALL RESTORE TO ORIGINAL OR BETTER CONDITION, ALL IMPROVEMENTS DAMAGED AS A RESULT OF THE CONSTRUCTION, INCLUDING PAVEMENTS, EMBANKMENTS, CURBS, SIGNS, LANDSCAPING, STRUCTURES, UTILITIES, WALLS, FENCES, ETC. UNLESS PROVIDED FOR SPECIFICALLY IN THE PROPOSAL. DEMOLITION AND RESTORATION OF EXISTING ITEMS SHALL BE INCIDENTAL AND INCLUDED WITHIN THE AMOUNT PAID FOR INSTALLATION OF NEW ITEMS.

21. THE CONTRACTOR SHALL OBTAIN AND PAY FOR INSTALLATION OF NEW ITEMS.

22. ALL EXISTING UTILITIES TO REMAIN IN USE, WHETHER OR NOT SHOWN ON THE PLANS, SHALL BE PROTECTED AT ALL TIMES BY THE CONTRACTOR DURING CONSTRUCTION UNLESS SPECIFIED ON THE PLANS TO BE ABANDONED. ANY DAMAGES TO EXISTING UTILITIES SHALL BE REPAIRED AND PAID FOR BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.

23. CONTRACTOR SHALL MAKE ARRANGEMENTS FOR TEMPORARY UTILITIES SUCH AS ELECTRICITY, WATER, ETC. REQUIRED FOR HIS OPERATIONS. ALL COSTS FOR TEMPORARY UTILITIES SHALL BE BORNE BY THE CONTRACTOR.

24. DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE. IF DIMENSIONAL ERRORS OR CONFLICTS ARISE, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND SHALL WAIT FOR CLARIFICATION BEFORE RESUMING OR COMMENCING WORK ON THE DISCREPANCY ITEM.

25. ALL CONSTRUCTION AND GRADING STAKEOUT SHALL BE PERFORMED BY A HAWAII LICENSED LAND SURVEYOR SHALL VERIFY AND REPORT THE LOCATIONS, TOP OF PILE ELEVATIONS, AND TOP OF ABUTMENT ELEVATIONS TO THE ENGINEER PRIOR TO COMMENCING WITH NEW PIER WORK.

26. THE CONTRACTOR SHALL OBSERVE AND COMPLY WITH ALL FEDERAL, STATE, AND LOCAL LAWS REQUIRED FOR THE PROTECTION OF PUBLIC HEALTH, SAFETY, AND ENVIRONMENTAL QUALITY.

27. DUE TO LIMITED SPACE AT THE JOB SITE THE STATE RECOGNIZES THE NEED FOR A CONSTRUCTION STAGING AREA FOR TEMPORARY STORAGE OF CONTRACTOR'S EQUIPMENT AND MATERIALS. CONTRACTOR SHALL COORDINATE WITH THE HARBORMASTER FOR USE OF A STAGING AREA AT LEAST 30 DAYS PRIOR TO ANTICIPATED OCCUPANCY. THE STATE IS NOT OBLIGATED TO PROVIDE A STAGING AREA AS SPACE AVAILABILITY AT THE HARBOR CHANGES FROM TIME TO TIME. THE CONTRACTOR IS ENCOURAGED TO SUBMIT HIS/HER REQUEST FOR STAGING AREA WELL IN ADVANCE. CONDITIONS OF USE OF THE STAGING AREA SHALL BE AS REQUIRED BY THE HARBORMASTER.

28. CONTRACTOR SHALL, AS A MINIMUM, ERECT AND MAINTAIN A CONTINUOUS SILT CURTAIN, FULL DEPTH OF THE HARBOR, TO ENCLOSE AREAS OF CONSTRUCTION ACTIVITIES. LIMITS OF SILT CURTAIN SHALL BE ADJUSTED FORM TIME TO TIME TO MINIMIZE THE AREA OF CONTAINMENT REQUIRED.

DEMOLITION NOTES:

1. BEFORE COMMENCING DEMOLITION WORK, VERIFY WITH THE ENGINEER AND HARBORMASTER THE ITEMS TO BE REMOVED AND SALVAGED.

2. USE ALL MEANS NECESSARY TO PROTECT ADJACENT STRUCTURES AND ITEMS TO REMAIN. IN THE EVENT OF ANY DAMAGE TO EXISTING ITEMS TO REMAIN IMMEDIATELY NOTIFY THE ENGINEER. REPAIRS OR REPLACEMENT SHALL BE TO THE SATISFACTION OF THE ENGINEER.

3. PRESERVE AND PROTECT ALL EXISTING LANDSCAPING UNLESS OTHERWISE INDICATED TO BE REMOVED.

4. THE CONTRACTOR SHALL PROTECT AND MINIMIZE DAMAGE TO ALL EXISTING PLANTS AND SIGNIFICANT ROOTS OVER 1" DIAMETER THAT ARE TO REMAIN. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ALL PLANT MATERIAL AND ROOTS THAT AFFECT CONSTRUCTION.

5. EXTENT OF REMOVAL AS INDICATED IS APPROXIMATE. CONTRACTOR SHALL VERIFY THE EXTENT OF REMOVAL WORK AND MAKE ADJUSTMENTS TO PROPERLY ACCOMMODATE HIS METHOD OF CONSTRUCTING NEW WORK. ADDITIONAL REMOVAL, PATCHING, AND RESTORATION REQUIRED TO ACCOMMODATE CONSTRUCTION OR MAKE THE WORK COMPLETE SHALL BE CONSIDERED INCIDENTAL TO THE NEW WORK.

6. REMOVE EXISTING PIERS IN SECTIONS SO AS TO MINIMIZE SEDIMENT AND DEBRIS FORM ENTERING THE HARBOR. CONTRACTOR SHALL FURNISH AND INSTALL SILT CURTAINS, FLOATING PLATFORMS, ETC. AS NECESSARY TO CONTAIN CONSTRUCTION DUST AND DEBRIS IN ORDER TO MINIMIZE TURBIDITY OR CHANGE IN WATER QUALITY. SHOULD A NOTICEABLE INCREASE IN TURBIDITY OCCUR CONTRACTOR SHALL IMMEDIATELY SUSPEND OPERATIONS AND TAKE APPROPRIATE CORRECTIVE ACTIONS TO ENSURE CONTAINMENT.

7. CONTRACTOR SHALL TURN IN OR STORE SALVAGED ITEMS AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE ENGINEER. ALL OTHER DEBRIS, RUBBISH, ETC. RESULTING FROM DEMOLITION OWRK SHALL BE PROMPTLY REMOVED FROM THE JOB SITE AND PROPERLY DISPOSED.

8. THE CONTRACTOR SHALL HAVE THE BUILDING MATERIALS FOR THE NEW PIERS AVAILABLE FOR INSPECTION BY THE ENGINEER AT THE PROJECT SITE, CONSTRUCTION STAGING AREA, OR AT HIS BASE YARD PRIOR TO BEGINNING DEMOLITION WORK.

9. REFER TO THE PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

TOPOGRAPHICAL SURVEY NOTES:

1. TOPOGRAPHICAL SURVEY WAS NOT TAKEN FOR THIS PROJECT. TOPOGRAPHICAL SURVEY DATA ARE PROVIDED FOR INFORMATION PURPOSES ONLY. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCING WORK.

2. THE UTILITIES SHOWN HAVE BEEN LOCATED FROM VISIBLE EVIDENCE FOUND DURING FIELD INVESTIGATIONS AND FROM RECORD DRAWINGS. THE ENGINEER MAKES NO GUARANTEE THAT THE UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE ENGINEER FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATIONS INDICATED. EXISTING FEATURES AND UTILITIES ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE.

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF BOATING AND OCEAN RECREATION

PORT ALLEN SMALL BOAT HARBOR
NEW HARBOR OFFICE

GENERAL NOTES

DESIGNED:	SUBMITTED:
DRAWN:	DATE:
CHECKED:	SCALE:

APPROVED: _____ _____
CHIEF ENGINEER DATE

DRAWING NO. G-1

STRUCTURAL NOTES:

1. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE INTERNATIONAL BUILDING CODE, 2006 EDITION, AS AMENDED AND ADOPTED BY THE CITY AND COUNTY OF HAWAII.

2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE TEMPORARY SHORING AND BRACING OF THE STRUCTURE DURING CONSTRUCTION.

3. JOB SITE SAFETY SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR AND HIS SUBCONTRACTORS SHALL COMPLY WITH APPLICABLE OSHA REQUIREMENTS AND PERFORM WORK IN A SAFE MANNER.

4. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING CONSTRUCTION FENCES, BARRICADES, TRAFFIC BARRIERS, ETC. AS NEEDE TO PROVIDE FOR HIS OPERATIONS. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING STRUCTURES, FACILITIES, LANDSCAPING, UTILITIES, ETC. TO REMAIN. CONTRACTOR SHALL PROVIDE CRIBBING AND/OR STEEL PLATES IF REQUIRED TO PROTECT PAVEMENTS AND UNDERGROUND UTILITIES FROM DAMAGE BY HEAVY CONSTRUCTION EQUIPMENT.

5. ALL CORNERS AND CUT SURFACES EXPOSED TO PEDESTRIAN TRAFFIC SHALL BE ROUNDED OR CHAMFERED AND GROUND SMOOTH.

6. WIND DESIGN DATA:
   BASIC WIND SPEED = 105 MPH
   EFFECTIVE WINDSPEED = XXX MPH
   WIND IMPORTANCE FACTOR = 1.0
   BUILDING CATEGORY = II
   WIND EXPOSURE = C
   INTERNAL PRESSURE COEFFICIENT = 0.0

WOOD NOTES:

1. ALL STRUCTURAL LUMBER SHALL BE ROUGH SAWN DOUGLAS FIR LARCH, SELECT STRUCTURAL WITH 19% MAXIMUM MOISTURE CONTENT GRADED IN ACCORDANCE WITH THE WEST COAST LUMBER INSPECTION BUREAU AND WESTERN WOOD PRODUCTS ASSOCIATION STANDARD GRADING RULES. LUMBER SHALL BE GRADE STAMPED.

2. GLUED LAMINATED TIMBER SHALL BE PRESERVATIVE TREATED TO RESIST TERMITE AND MARINE BORER INFESTATION AND ROT. TREAT END CUTS, NOTCHES, COUNTERBORES, BOLT HOLES, ETC. WITH PRESERVATIVE TREATMENT COMPATIBLE WITH ORIGINAL TREATMENT.

3. NO STRUCTURAL MEMBER SHALL BE CUT OR NOTCHED UNLESS SPECIFICALLY SHOWN OR APPROVED IN ADVANCE BY THE ENGINEER.

4. REFER TO STEEL NOTES FOR FASTENERS. PROVIDE OVERSIZED FLAT WASHERS UNDER HEADS AND NUTS OF ALL BOLTS BEARING DIRECTLY ON WOOD.

5. A 30# ROOFING FELT OR HEAVY BITUMINOUS PAINT BARRIER SHALL BE PROVIDED BETWEEN WOOD AND CONCRETE OR MASONRY.

INSPECTION:

1. DLNR ENGINEERING DIVISION REPRESENTATIVE SHALL PERFORM WEEKLY INSPECTION. THE REPRESENTATIVE SHALL DO HIS BEST IN INSPECTING THE WORK OF THE CONTRACTOR.

2. CONTRACTOR SHALL BE RESPONSIBLE IN SCHEDULING WITH DOBOR OF THE DAYS OF INSPECTION. CONTRACTOR SHALL GIVE A 24 HOUR NOTICE PRIOR TO INSPECTION.

3. CONTRACTOR IS RESPONSIBLE FOR CHECKING WITH DOBOR ENGINEER/DESIGNER (808-XXX-XXX) FOR CLARIFICATION OF DESIGN.

STEEL NOTES:

1. ALL STEEL SHAPES AND PLATES SHALL BE TYPE 316 STAINLESS STEEL CONFORMING ASTM A167 UNLESS OTHERWISE INDICATED.

2. ALL BOLTS, ANCHOR BOLTS, EXPANSION BOLTS, NUTS AND WASHERS SHALL BE TYPE 316 STAINLESS STEEL UNLESS OTHERWISE INDICATED. STAINLESS STEEL FASTENERS SHALL BE EQUIVALENT IN STRENGTH TO RESPECTIVE GALVANIZED STEEL FASTENERS.

3. GALVANIZED MACHINE BOLTS AND EXPANSION BOLTS SHALL CONFORM TO ASTM A307. GALVANIZED ANCHOR BOLTS SHALL CONFORM TO ASTM A36, ASTM F1554 GRADE 36, OR BETTER. GALVANIZED BOLTS AND NUTS SHALL BE HOT DIP GALVANIZED "MATCHING BOLT AND NUT ASSEMBLIES". EXPANSION BOLTS SHALL BE CONSTRUCTED ENTIRELY OUT OF STEEL AND SHALL BE ONLY USED AS INTENDED BY THE MANUFACTURER.

4. WELDING SHALL BE IN ACCORDANCE WITH THE "STRUCTURAL WELDING CODE (AWS D1.1)" OF THE AMERICAN WELDING SOCIETY AND BE PERFORMED BY CERTIFIED WELDERS. FIELD WELDING SHALL BE AVOIDED WHEREVER POSSIBLE.

5. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS PRIOR TO FABRICATION. STEEL FABRICATIONS SHALL BE ASSEMBLED IN THE SHOP TO THE FULLEST EXTENT POSSIBLE.

6. MILD STEEL SHALL BE HOT DIP GALVANIZED AFTER FABRICATION. WHERE FIELD WELDING IS PERMITTED, GRIND WELDS SMOOTH TO TOUCH. REPAIR GALVANIZED SURFACES WITH COLD GALVANIZING COMPOUND AND TWO COATS OF BRUSH-ON ZRC GALVILITE PAINT.

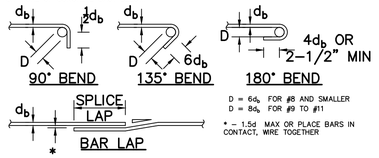
7. USE APPROPRIATE TOOLS FOR WELDING AND GRINDING STAINLESS STEEL IN ORDER TO AVOID CONTAMINATING SURFACES WITH FERROUS METAL. TREAT STAINLESS STEEL SURFACES TO PREVENT STAINING AND CORROSION.

8. CONTRACTOR SHALL EXERCISE CARE TO AVOID DIRECT PERMANENT CONTACT BETWEEN GALVANIZED AND STAINLESS STEEL. USE GALVANIZED FASTENER FOR GALVANIZED ITEMS AND STAINLESS STEEL FASTENERS FOR STAINLESS STEEL AND ALUMINUM ITEMS.

MINIMUM SPLICE & EMBEDMENT LENGTHS

BAR SIZE	LAP SPLICE		EMBEDMENT		
			STRAIGHT		WITH
	BOTTOM BAR OR WALL BAR	TOP BAR	BOTTOM BAR OR WALL BAR	TOP BAR	STANDARD HOOK
#3, #4	24"	30"	18"	24"	12"
#5	30"	38"	22"	30"	14"
#6	36"	46"	28"	36"	18"
#7	50"	66"	40"	50"	20"

NOTES: (1) LENGTHS ARE FOR CONCRETE WITH REBAR SPACED 6 BAR DIAMETERS MINIMUM. INCREASE 25% FOR BARS SPACED LESS THAN 6 BAR DIAMETERS. (2) "TOP BARS" ARE HORIZONTAL BARS WITH 12" OR MORE OF CONCRETE CAST BELOW.



D = $6d_b$ FOR #8 AND SMALLER
D = $8d_b$ FOR #9 TO #11

* - 1.5d MAX OR PLACE BARS IN CONTACT, WIRE TOGETHER

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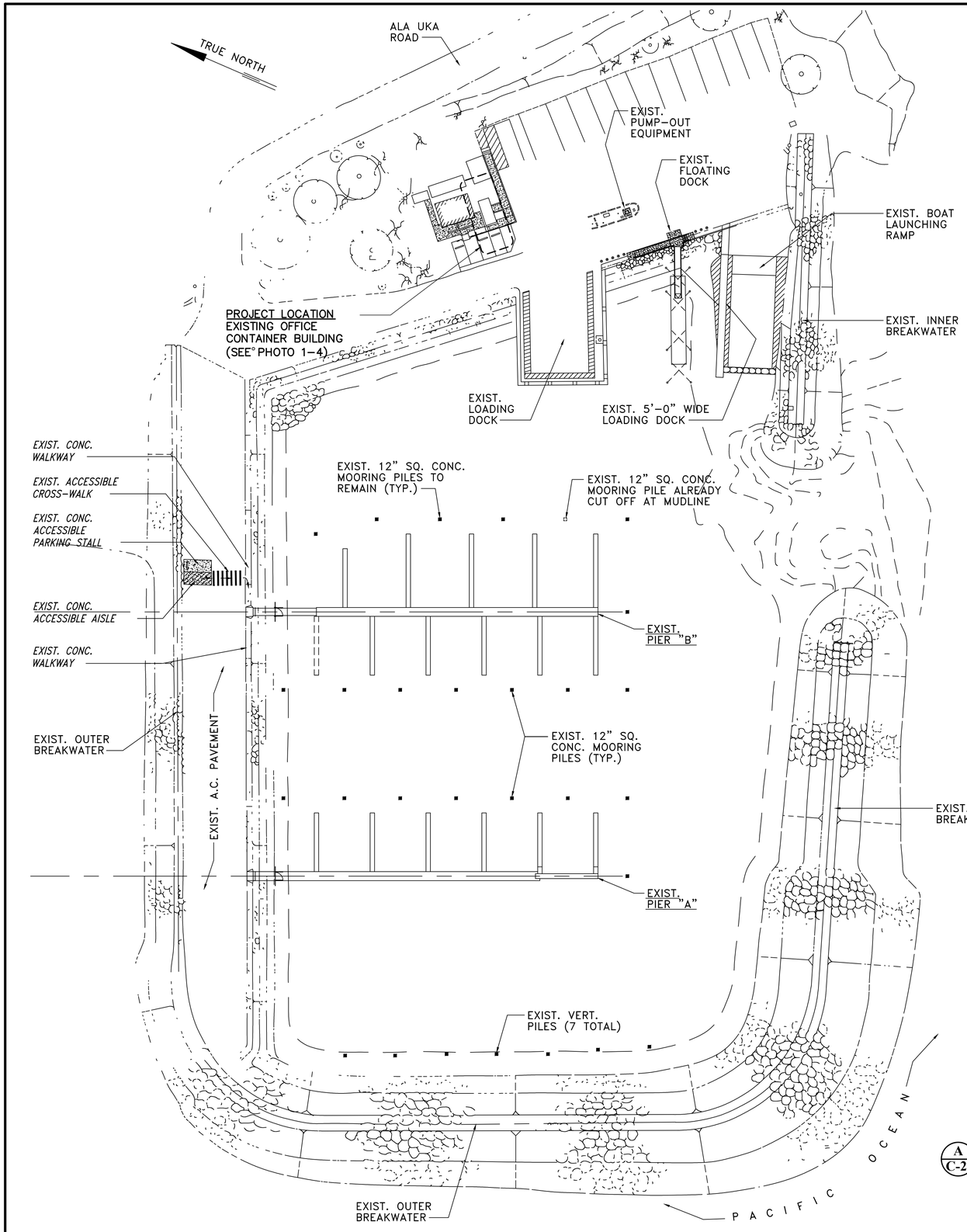
STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF BOATING AND OCEAN RECREATION

PORT ALLEN SMALL BOAT HARBOR
NEW HARBOR OFFICE

NOTES

DESIGNED:	SUBMITTED:
DRAWN:	DATE:
CHECKED:	SCALE:
APPROVED:	DRAWING NO. C-1

CHIEF ENGINEER DATE



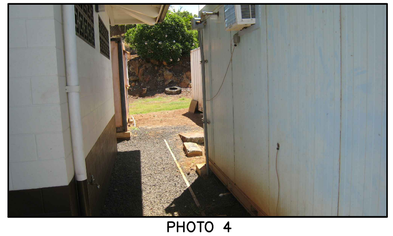
A / C-2 GENERAL SITE PLAN
SCALE: 1" = 20'-0"

GRAPHIC SCALE
0 40 80 160
SCALE: 1" = 40' FEET


PHOTO 1


PHOTO 2


PHOTO 3


PHOTO 4

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STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF BOATING AND OCEAN RECREATION

PORT ALLEN SMALL BOAT HARBOR
NEW HARBOR OFFICE

GENERAL SITE PLAN

DESIGNED:	SUBMITTED:
DRAWN:	DATE:
CHECKED:	SCALE:
APPROVED: CHIEF ENGINEER DATE	DRAWING NO. C-2

MOVE EXISTING CONTAINER BEHIND THE COMFORT STATION. CONTRACTOR TO COORDINATE WITH DOBOR-KAUAI DISTRICT STAFF

REMOVE EXISTING METAL SHED

DEMO EXISTING HAND RAIL CONCRETE WALKWAY, SEE DETAIL 1.6 AND SECTION 2

PERPETUAL NON-EXCLUSIVE EASEMENT FOR ELECTRICAL TRANSMISSION LINE (25-FT.WIDE) C.S.F. 17950

TRUE NORTH
SCALE: 1" = 20'

BENCH MARK
mag nail 600
elevation=4.94
fb 1621/46,43,52

Spike CP-2

215° 07' 58" 301.36' to spike CP-2

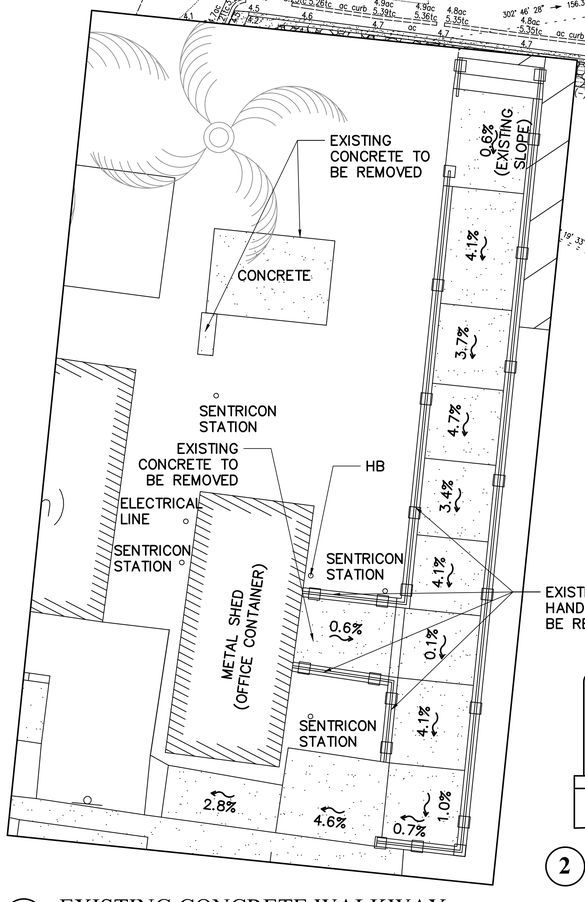
CONC CP-4 to spike CP-2

CONC CP-4
elevation=5.27
fb 1671/53

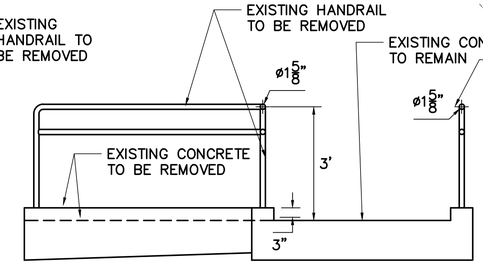
CONC 603-A
ELEV=5.17
FB 1671/38

MAG NAIL 603
ELEV=5.08
FB 1671/36

Ocean



1 EXISTING CONCRETE WALKWAY
SCALE: 1" = 5' - 0"



2 SECTION
SCALE: 1/2" = 1' - 0"

A C-3 DEMOLITION PLAN
SCALE: 1" = 20'-0"

GRAPHIC SCALE
0 20 40 80
SCALE: 1" = 20' FEET

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STATE OF HAWAII
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DIVISION OF BOATING AND OCEAN RECREATION

PORT ALLEN SMALL BOAT HARBOR
NEW HARBOR OFFICE

DEMOLITION PLAN

DESIGNED:	SUBMITTED:
DRAWN:	DATE:
CHECKED:	SCALE:
APPROVED: CHIEF ENGINEER DATE	DRAWING NO. C-3

JOB NO. KA18-02 SHEET NO. 5 OF 17 SHEETS



1 CONCRETE WALKWAY
SCALE: 1" = 5' - 0"

2 SECTION
SCALE: 1/2" = 1' - 0"

A C-4 NEW SITE PLAN
SCALE: 1" = 20'-0"

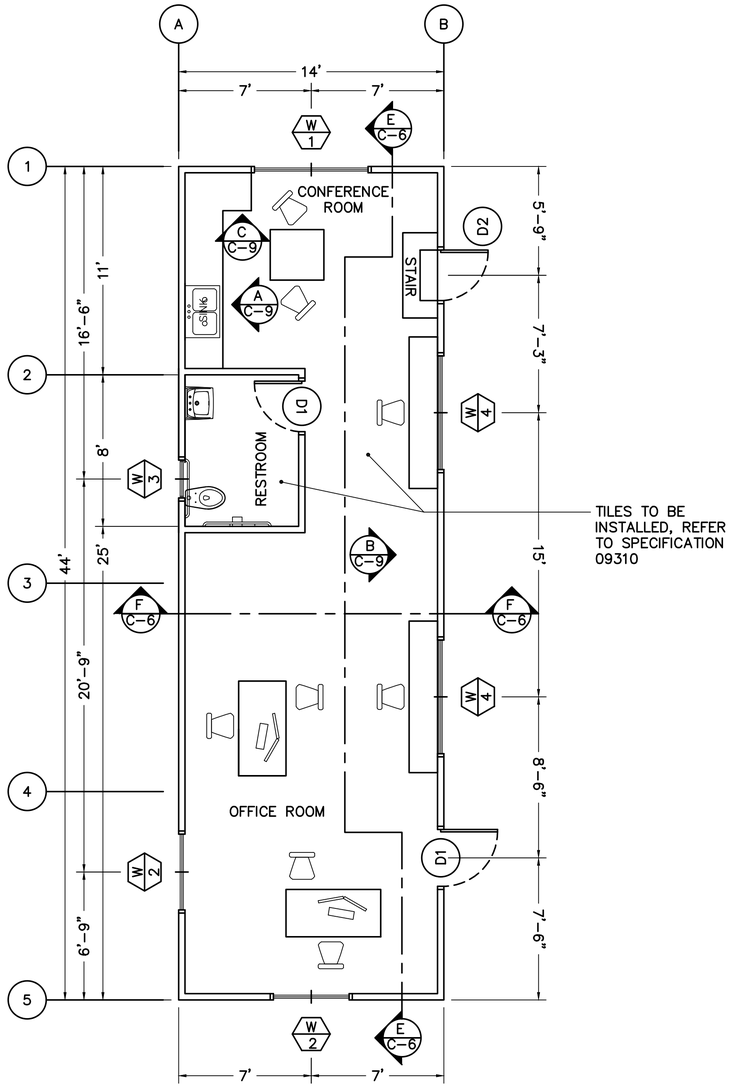
REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF BOATING AND OCEAN RECREATION

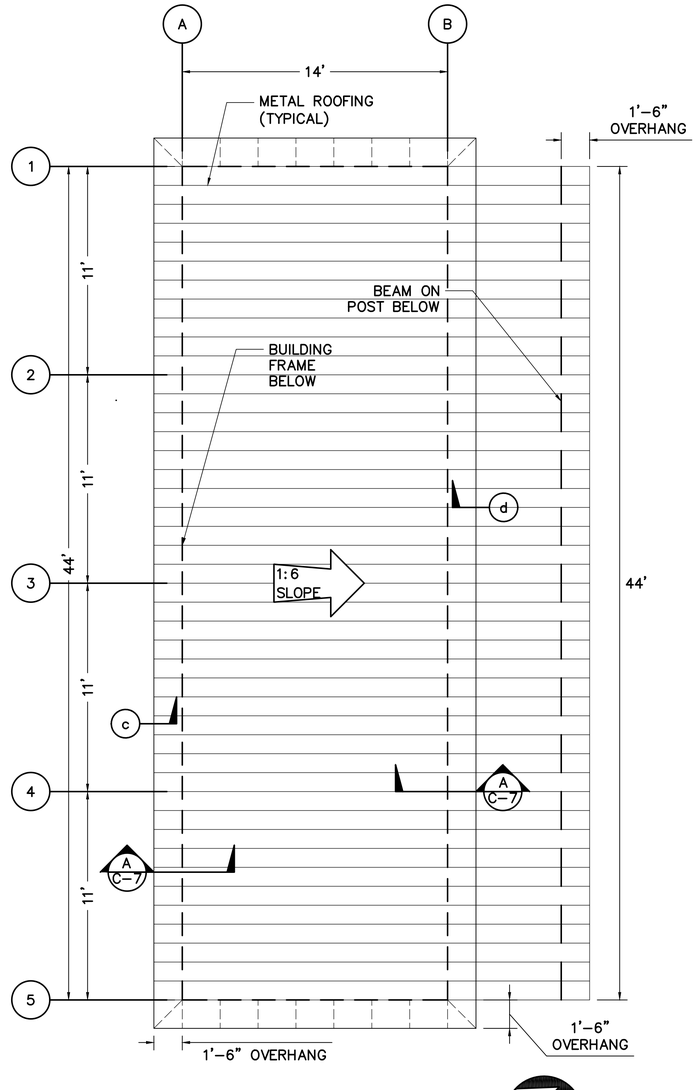
PORT ALLEN SMALL BOAT HARBOR
NEW HARBOR OFFICE

NEW SITE PLAN

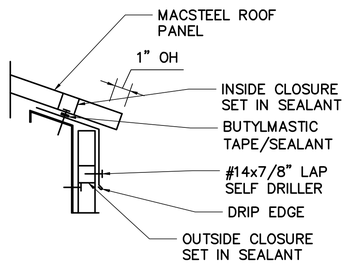
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DRAWN:	DATE:
CHECKED:	SCALE:
APPROVED: CHIEF ENGINEER DATE	DRAWING NO. C-4



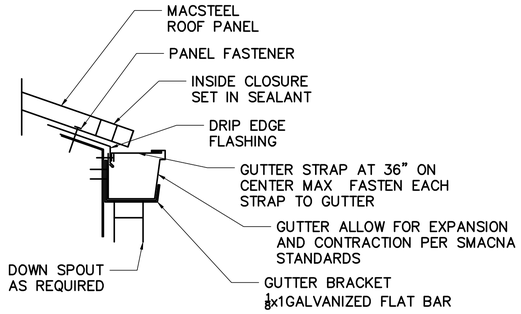
B C-5 FLOOR PLAN
SCALE: 1/4" = 1'-0"



A C-5 ROOF FRAMING PLAN
SCALE: 1/4" = 1'-0"

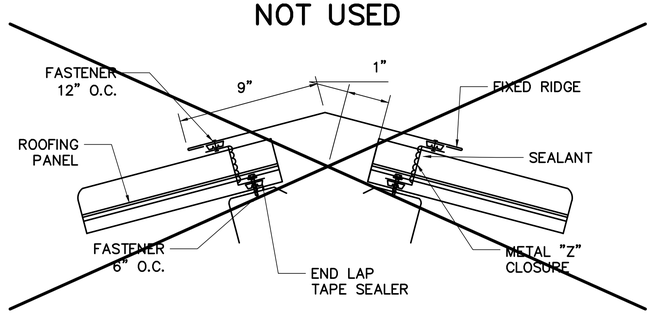


c DRIP EDGE
SCALE: 2-1/2" = 1'-0"

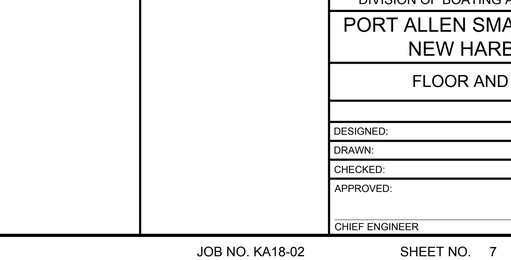


d GUTTER
SCALE: 2-1/2" = 1'-0"

NOT USED



a FIXED RIDGE
SCALE: 2-1/2" = 1'-0"



b ENDWALL
SCALE: 2-1/2" = 1'-0"

GRAPHIC SCALE
0 4 8 16
SCALE: 1/4" = 1'-0 FEET

GRAPHIC SCALE
0 1 2 4
SCALE: 2-1/2" = 1'-0 INCHES

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED

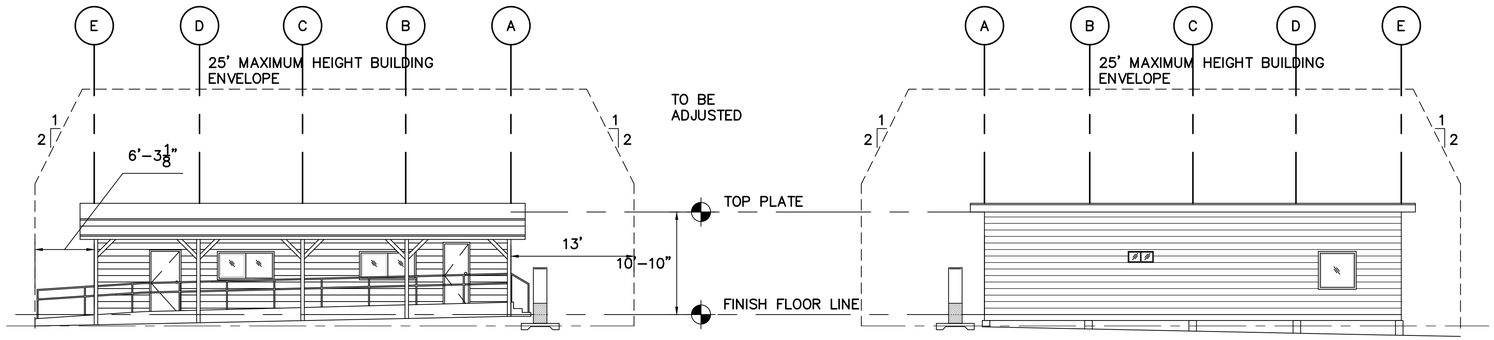
STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF BOATING AND OCEAN RECREATION

PORT ALLEN SMALL BOAT HARBOR
NEW HARBOR OFFICE

FLOOR AND ROOF PLANS

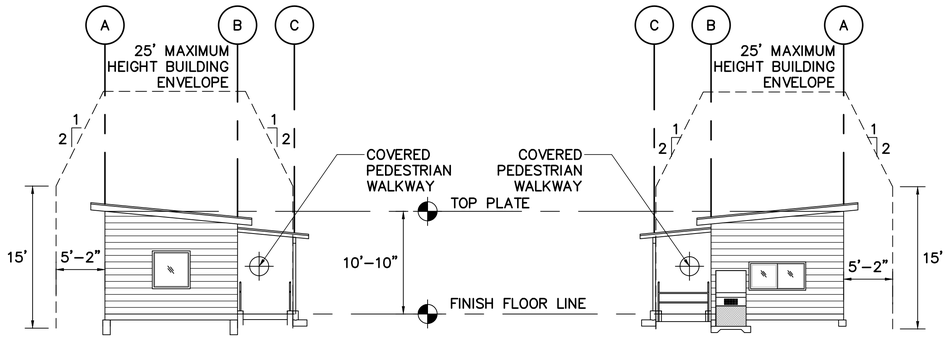
DESIGNED:	SUBMITTED:
DRAWN:	DATE:
CHECKED:	SCALE:
APPROVED: CHIEF ENGINEER	DATE

DRAWING NO. C-5



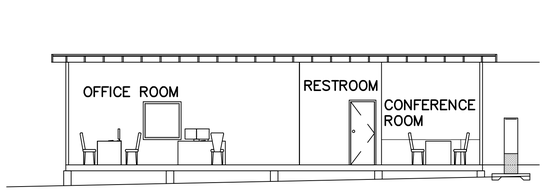
A C-6 FRONT ELEVATION
SCALE: 1/8" = 1'-0"

B C-6 RIGHT ELEVATION
SCALE: 1/8" = 1'-0"

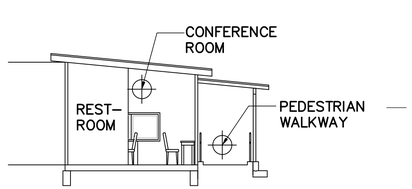


C C-6 REAR ELEVATION
SCALE: 1/8" = 1'-0"

D C-6 LEFT ELEVATION
SCALE: 1/8" = 1'-0"



E C-6 CROSS SECTION
SCALE: 1/8" = 1'-0"



F C-6 LONGITUDINAL SECTION
SCALE: 1/8" = 1'-0"

GRAPHIC SCALE
0 8 16 32
SCALE: 1/8" = 1'-0 FEET

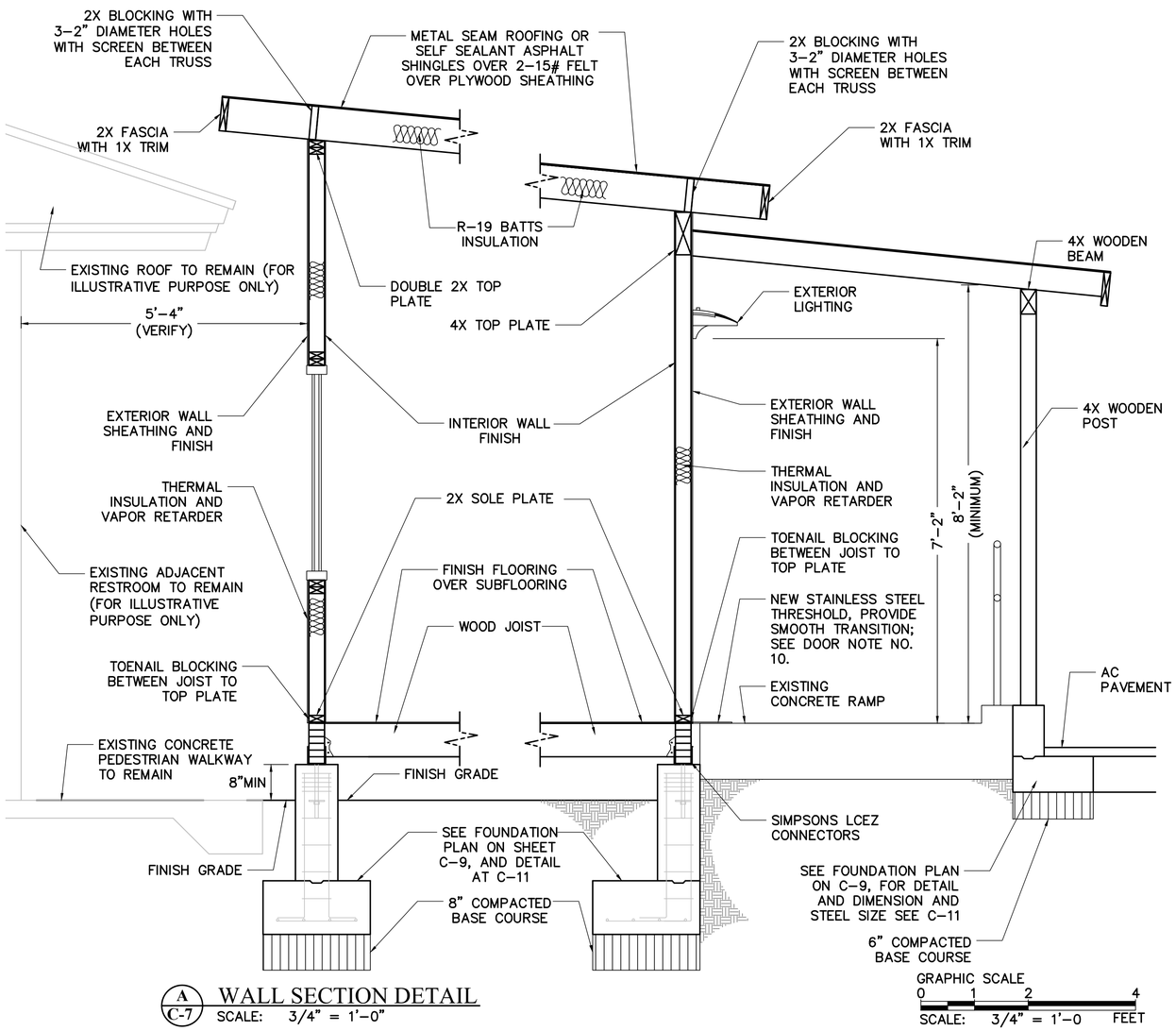
REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF BOATING AND OCEAN RECREATION

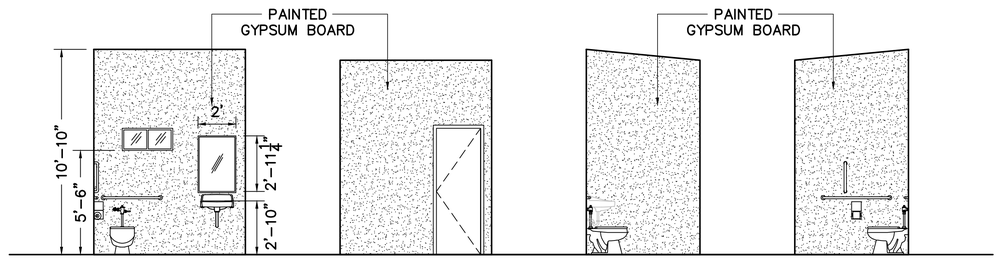
PORT ALLEN SMALL BOAT HARBOR
NEW HARBOR OFFICE

EXTERIOR ELEVATIONS AND CROSS SECTIONS

DESIGNED:	SUBMITTED:
DRAWN:	DATE:
CHECKED:	SCALE:
APPROVED: CHIEF ENGINEER / DATE	DRAWING NO. C-6

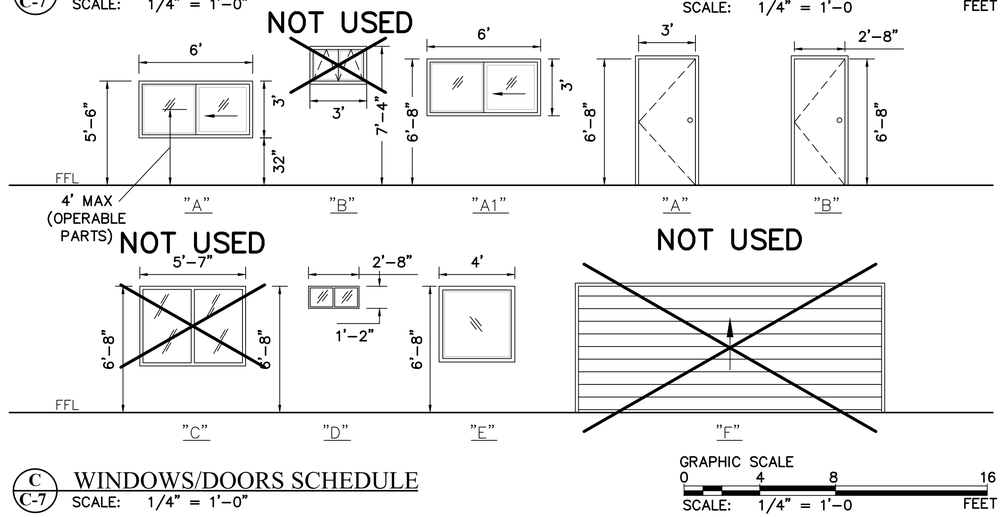


A C-7 WALL SECTION DETAIL
SCALE: 3/4" = 1'–0"



B C-7 INTERIOR ELEVATION
SCALE: 1/4" = 1'–0"

GRAPHIC SCALE
0 4 8 16
SCALE: 1/4" = 1'–0 FEET



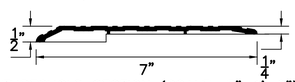
C C-7 WINDOWS/DOORS SCHEDULE
SCALE: 1/4" = 1'–0"

GRAPHIC SCALE
0 4 8 16
SCALE: 1/4" = 1'–0 FEET

WINDOW AND DOOR SCHEDULE						
WINDOW MARK	**TYPE**	**NO. OF SETS**	**WIDTH**	**HEIGHT**	**FRAME**	**REMARKS**
W1	A	1	6'–0"	3'–0"	VINYL	SLIDING WINDOW; NOTE 1
W2	E	2	4'–0"	4'–0"	VINYL	SLIDING WINDOW
W3	D	1	2'–8"	1'–2"	VINYL	SLIDING WINDOW
W4	A1	2	6'–0"	3'–0"	VINYL	SLIDING WINDOW
DOOR MARK	**TYPE**	**NO. OF SETS**	**WIDTH**	**HEIGHT**	**FRAME**	**REMARKS**
D1	A	2	3'–0"	6'–8"		
D2	B	1	2'–8"	6'–8"		

DOOR NOTES:

1. REFER TO FLOOR PLANS FOR DIRECTION OF DOOR SWING.
2. ALL INTERIOR DOORS TO BE CLEARED SEALED. WOOD ON DOORS SHOULD BE OF QUALITY SUCH THAT THE FINISHED CAN BE EXPOSED.
3. ALL GLAZING WITHIN 60" OF A STAIRWAY SHALL BE TEMPERED PER IRC SECTION R308.4.10
4. ALL GLAZING IN BATHROOMS LESS THAN 60" SHALL BE TEMPERED.
5. SEE EXTERIOR ELEVATIONS FOR LOCATION OF OBSCURE GLAZING. OBSCURE PATTERN BY THE ARCHITECT.
6. PAIR OF DOORS–SCHEDULE DIMENSION IS TOTAL FRAME OPENING. BOTH DOOR LEAVES ARE THE SAME SIZE UNLESS OTHERWISE NOTED. VERIFY FIELD DIMENSIONS WITH DOOR MANUFACTURER – PRIOR TO ORDERING.
7. ALL EXTERIOR DOORS TO HAVE WEATHERSTRIPPING ALL SIDES WITH APPROPRIATE EXTERIOR DRIP AT HEAD AND APPROPRIATE EXTERIOR THRESHOLDS.
8. NO THROUGH BOLTS ON DOOR HARDWARE.
9. METAL THRESHOLD TO BE SET IN CONTINUOUS BED OF MASTIC. PROVIDE RUBBER ISOLATION PAD BELOW TO BREAK THE CONTACT OF METAL TO CONCRETE WHERE OCCURS.
10. THRESHOLD SHALL COMPLY WITH ADA 404.2.5.; AND SHALL BE STAINLESS STEEL, PEMKO BY TRADEMARK HARDWARE, OR APPROVE EQUAL; SEE SECTION BELOW:



THRESHOLD SECTION (SCALE: 5"=1'–0")

11. ALL DOORS TO BE FINISHED, ON ALL SIX SIDES, PRIOR TO ATTACHMENT.

INTERIOR NOTES:

1. PROVIDE TILE BLOCKING BOARD IN LIEU OF GYPSUM BOARD FOR WALLS RECEIVING CERAMIC TILE IN SHOWER AND WET AREAS.
2. PROVIDE WATER MOLD/MILDEW RESISTANT GYPSUM BOARD IN ALL AREAS OF BATHROOM.

SLIDING WINDOW NOTE:

1. TYPE A WINDOW SHALL COMPLY WITH ADAAG 309. OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 POUNDS (22.2 N) MAXIMUM.

NOTE: THERMAL INSULATION SHALL BE FOIL FACED BATTS WITH ECO–BATT INSULATION, 3.5 INCH THICK (R–13), AS MANUFACTURED BY KNAUF INSULATION, OR APPROVED EQUAL.

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF BOATING AND OCEAN RECREATION

PORT ALLEN SMALL BOAT HARBOR
NEW HARBOR OFFICE

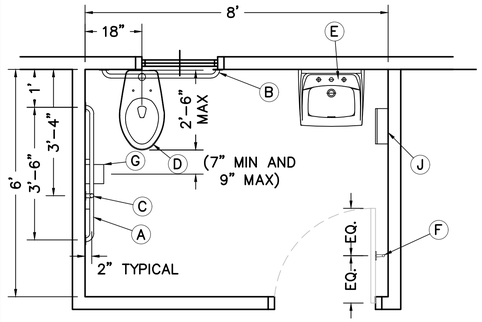
WALL SECTION DETAIL

DESIGNED:	SUBMITTED:
DRAWN:	DATE:
CHECKED:	SCALE:
APPROVED:	DRAWING NO. C-7
CHIEF ENGINEER / DATE	

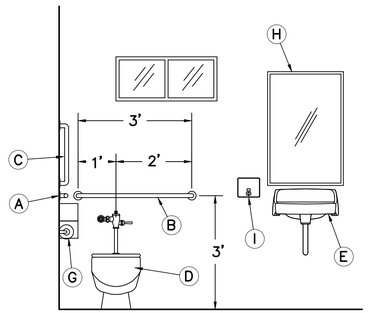
SYM.	DESCRIPTION	NOTES
A	42" GRAB BAR	
B	36" GRAB BAR	
C	18" GRAB BAR	
D	WATER CLOSET	
E	LAVATORY	SEE GENERAL NOTES 4
F	DOOR HOOK	
G	TOILET TISSUE DISPENSER	SEE GENERAL NOTES 1
H	MIRROR UNIT 24"x36"	SEE GENERAL NOTES 2
I	LIQUID SOAP DISPENSER	
J	PAPER TOWEL DISPENSER	SEE GENERAL NOTES 3

GENERAL NOTES:

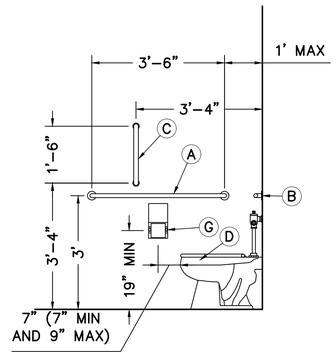
1. MULTI-ROLL TOILET TISSUE DISPENSER (SURFACE MOUNTED) AND RECESSED DISPENSERS SHALL BE PROVIDED AND INSTALLED IN COMPLIANCE WITH ADAAG 308.3.
2. GLASS MIRROR WITH STAINLESS STEEL ANGLE FRAME SHALL BE PROVIDED AND INSTALLED IN COMPLIANCE WITH ADAAG 603.3.
3. PAPER TOWEL DISPENSER AND RECESSED PAPER TOWEL DISPENSER WITH TRASH RECEPTACLE SHALL BE PROVIDED AND INSTALLED IN COMPLIANCE WITH ADAAG 604.7.
4. ACCESSIBLE LAVATORY AND CORRESPONDING MIRROR SHALL BE INSTALLED IN COMPLIANCE WITH ADAAG 606.1. FAUCET SHALL BE IN COMPLIANCE WITH ADAAG 606.4.
5. TURNING SPACE SHALL COMPLY WITH ADAAG 304.3.1 AND 304.3.2.



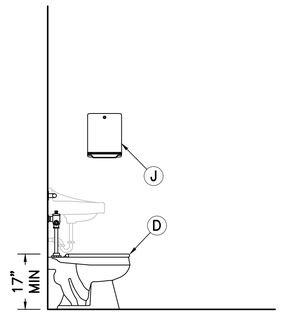
ACCESSIBLE TOILET PLAN



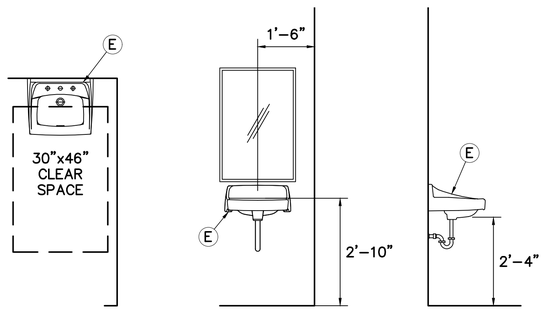
ACCESSIBLE TOILET FRONT ELEVATION



ACCESSIBLE TOILET LEFT SIDE ELEVATION



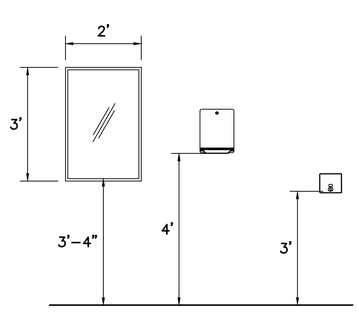
ACCESSIBLE TOILET RIGHT SIDE ELEVATION



LAVATORY PLAN

LAVATORY FRONT ELEVATION

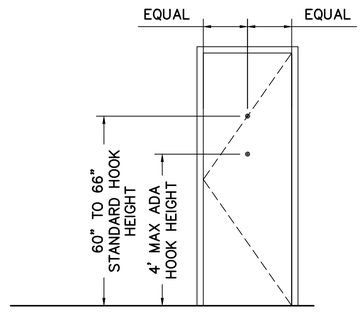
LAVATORY SIDE ELEVATION



MIRROR

PAPER TOWEL DISPENSOR

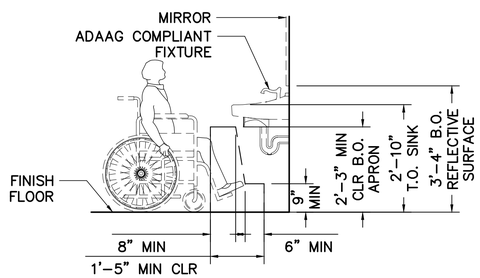
SOAP DISPENSOR



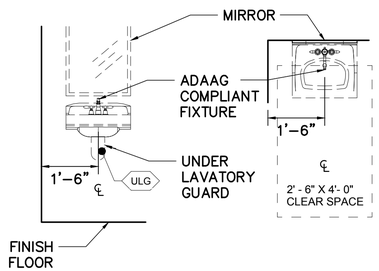
DOOR HOOK

A C-8 MOUNTING SCHEDULE

SCALE: 1/2" = 1'-0"



TYPICAL SIDE ELEVATION



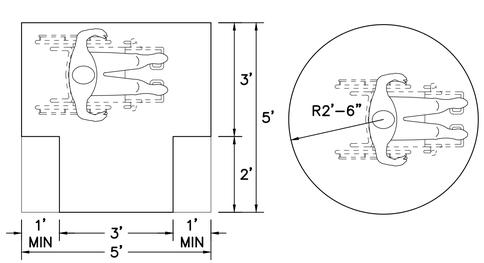
TYPICAL FRONT ELEVATION

TYPICAL FLOOR PLAN

B C-8 TYPICAL WALL HUNG LAVATORY LAYOUT

SCALE: 1/2" = 1'-0"

SEE GENERAL NOTES, NO. 5

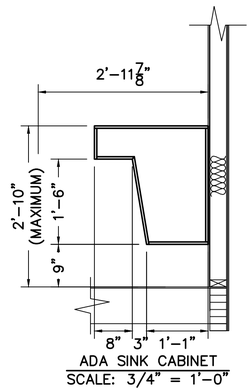


T-SHAPED TURNING SPACE

CIRCULAR TURNING SPACE

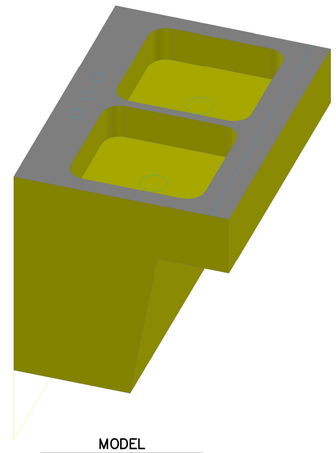
C C-8 WHEELCHAIR TURNING SPACE

SCALE: 1/2" = 1'-0"



ADA SINK CABINET

SCALE: 3/4" = 1'-0"



MODEL

SCALE: 1-1/2" = 1'-0"

C C-8 CONFERENCE ROOM SINK

SCALE: AS SHOWN

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED

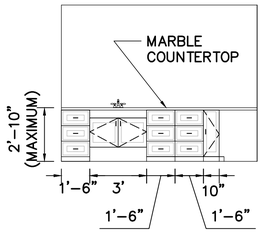
STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF BOATING AND OCEAN RECREATION

PORT ALLEN SMALL BOAT HARBOR
NEW HARBOR OFFICE

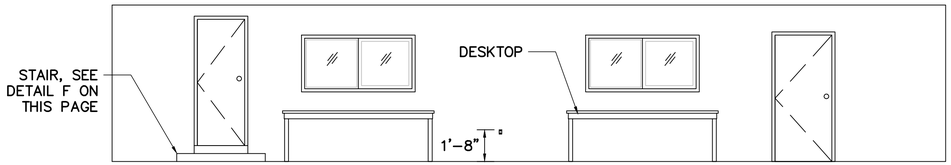
MOUNTING DETAILS, ADA REQUIREMENT

DESIGNED:	SUBMITTED:
DRAWN:	DATE:
CHECKED:	SCALE:
APPROVED:	DRAWING NO. C-8
CHIEF ENGINEER	DATE

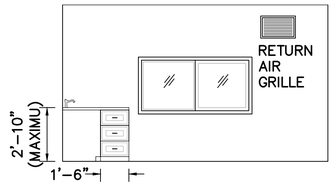
JOB NO. KA18-02 SHEET NO. 10 OF 17 SHEETS



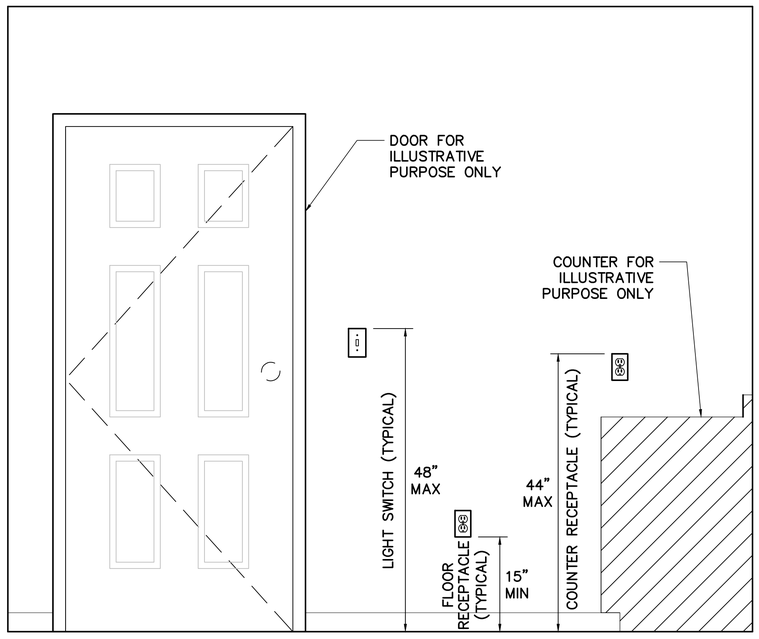
A C-9 WALL 3
SCALE: 1/4" = 1'-0"



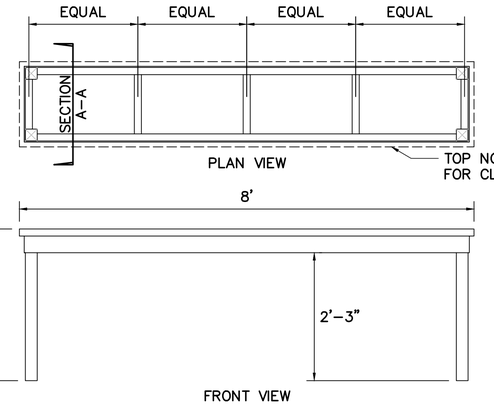
B C-9 WALL 2
SCALE: 1/4" = 1'-0"

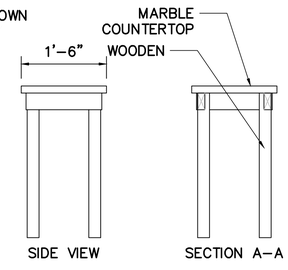


C C-9 WALL 1
SCALE: 1/4" = 1'-0"



D C-9 TYPICAL LIGHT SWITCH AND RECEPTACLE
SCALE: 1" = 1'-0"

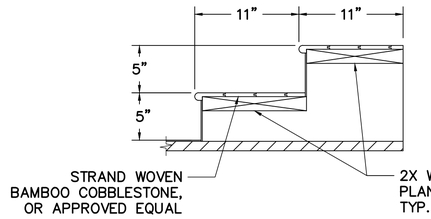




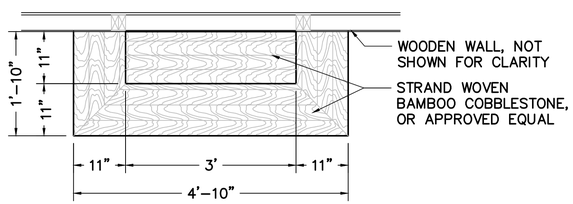
E C-9 DESKTOP/TABLE
SCALE: 3/4" = 1'-0"

GRAPHIC SCALE
0 1 2 4
SCALE: 3/4" = 1'-0 FEET

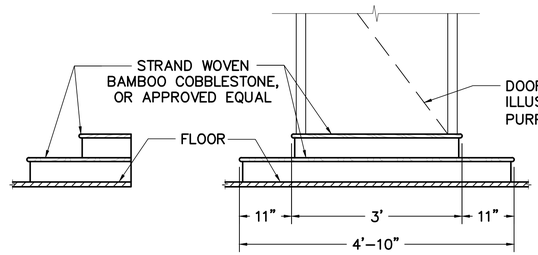
GRAPHIC SCALE
0 4 8 16
SCALE: 1/4" = 1'-0 FEET



SECTION: A-A
SCALE: 1-1/2" = 1'-0"



PLAN
SCALE: 3/4" = 1'-0"



SIDE VIEW
SCALE: 3/4" = 1'-0"

FRONT VIEW
SCALE: 3/4" = 1'-0"

F C-9 STAIR
SCALE: AS SHOWN

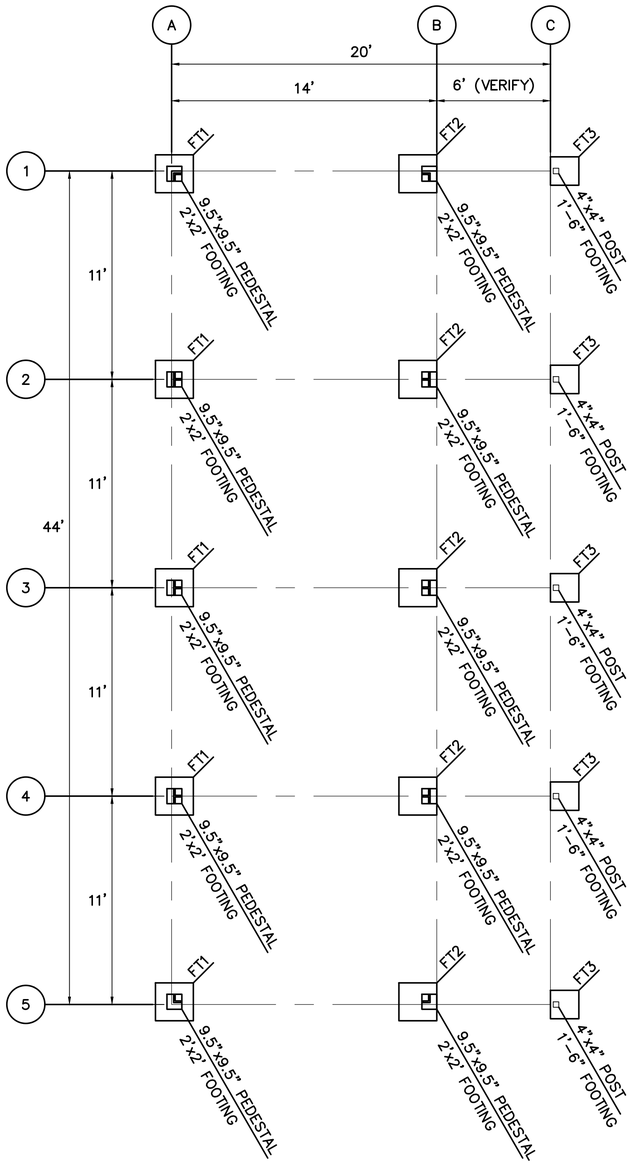
REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
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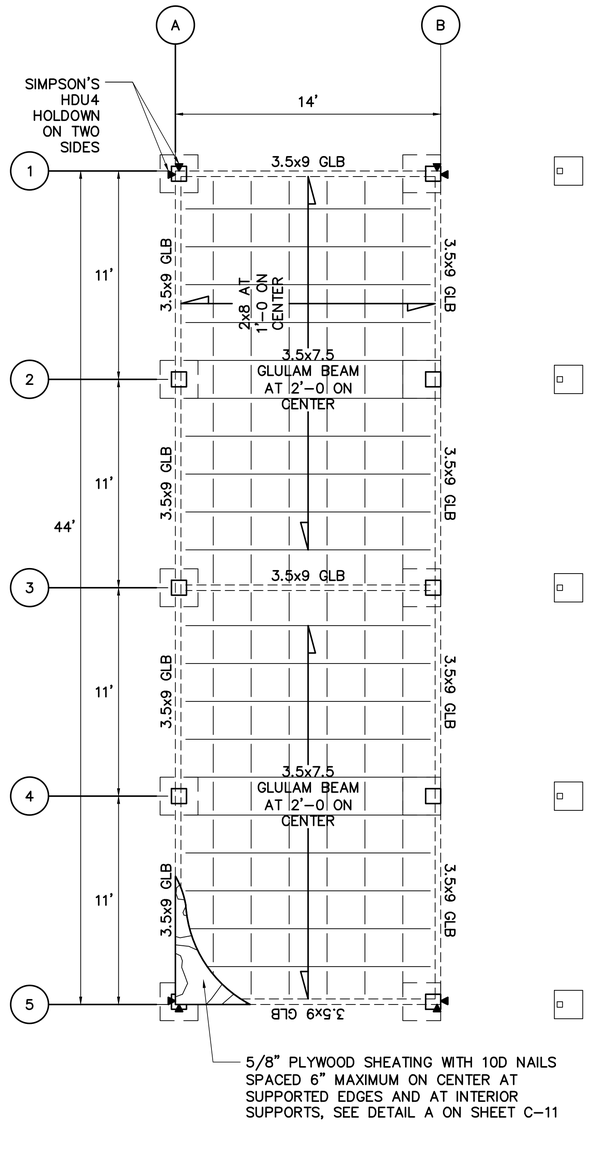
PORT ALLEN SMALL BOAT HARBOR
NEW HARBOR OFFICE

DESKTOP, CABINET, AND MISC. DETAILS

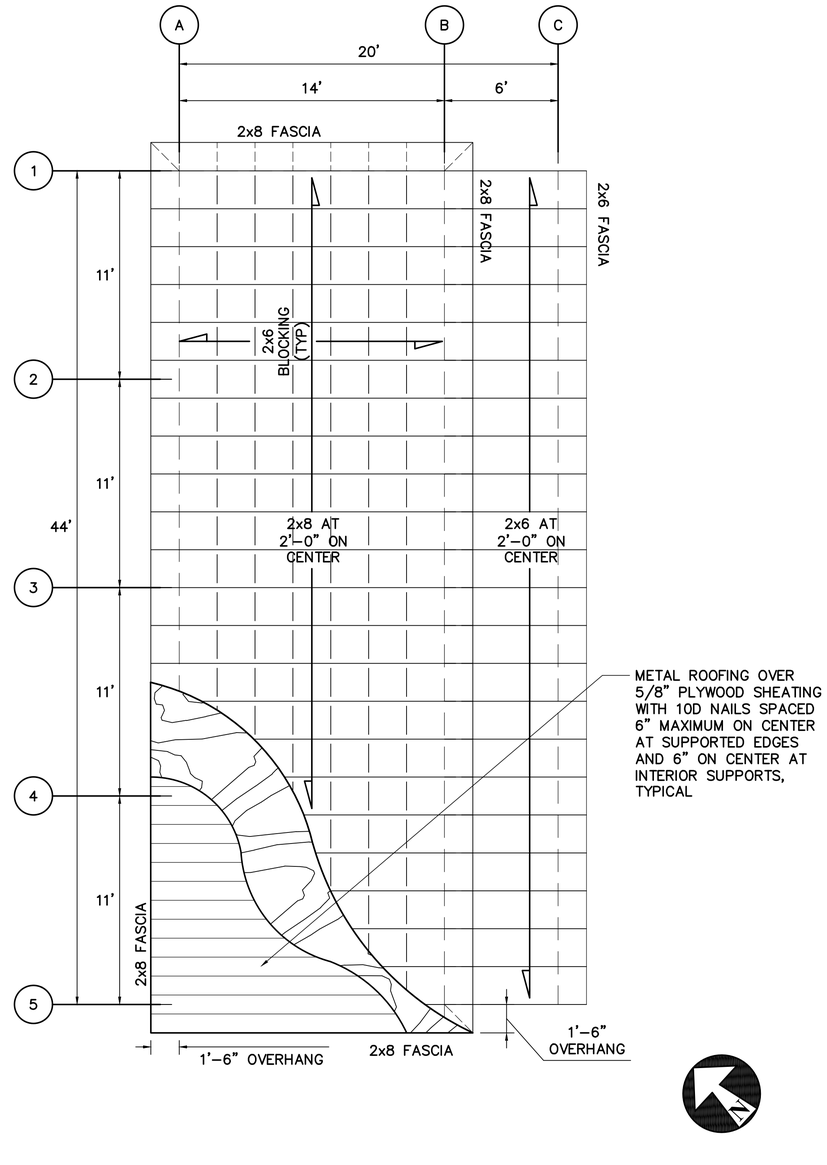
DESIGNED:	SUBMITTED:
DRAWN:	DATE:
CHECKED:	SCALE:
APPROVED: CHIEF ENGINEER / DATE	DRAWING NO. C-9



A C-10 FOUNDATION PLAN
SCALE: 1/4" = 1'-0"



B C-10 FLOOR PLAN
SCALE: 1/4" = 1'-0"



C C-10 ROOF PLAN
SCALE: 1/4" = 1'-0"

GRAPHIC SCALE
0 4 8 16
SCALE: 1/4" = 1'-0 FEET

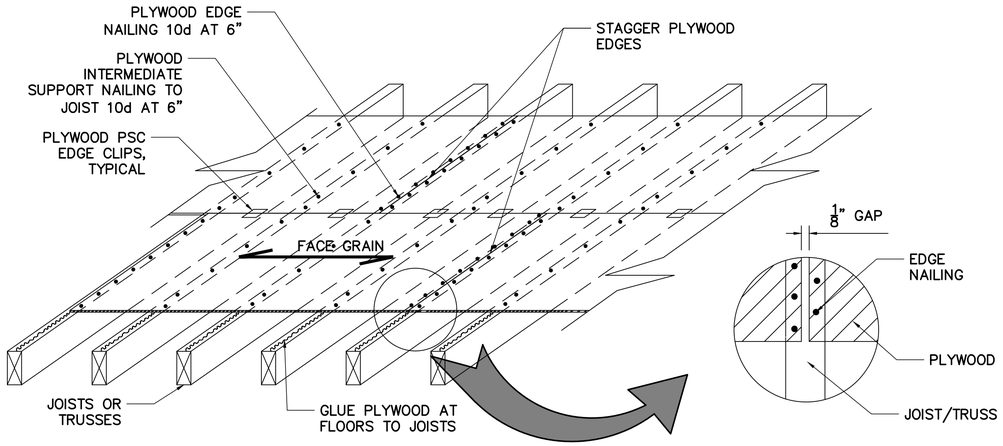
REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF BOATING AND OCEAN RECREATION

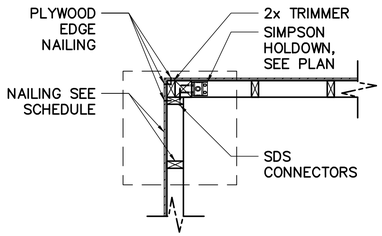
PORT ALLEN SMALL BOAT HARBOR
NEW HARBOR OFFICE

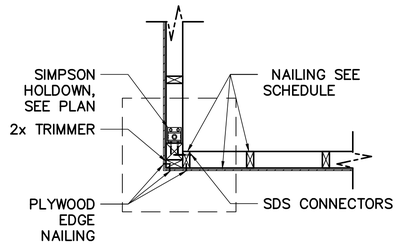
FOUNDATION, FLOOR, AND ROOF PLAN

DESIGNED:	SUBMITTED:
DRAWN:	DATE:
CHECKED:	SCALE:
APPROVED: CHIEF ENGINEER DATE	DRAWING NO. C-10

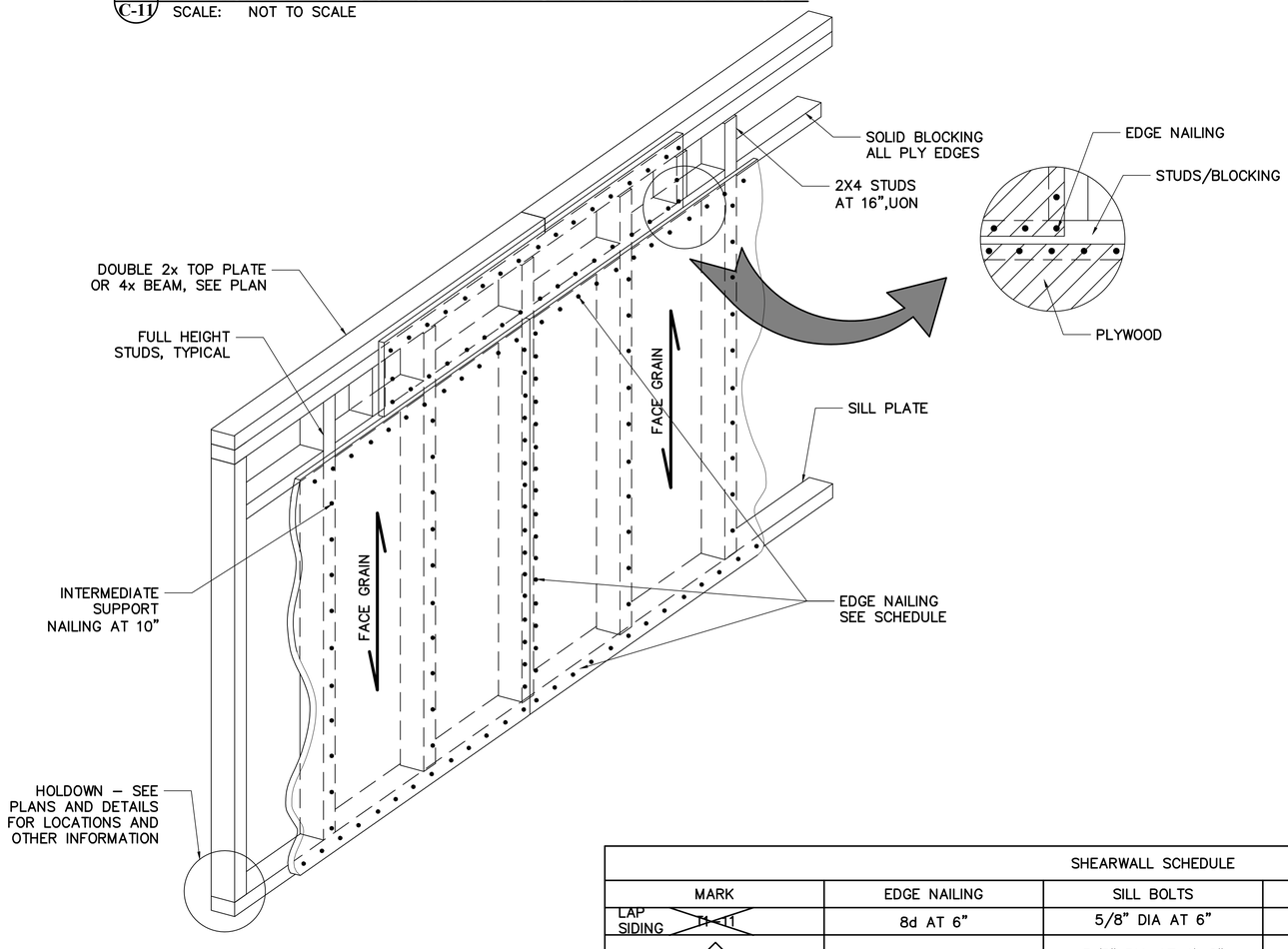


A C-11 TYPICAL PLYWOOD SHEATHING AT ROOF AND FLOOR
SCALE: NOT TO SCALE





C C-11 TYPICAL HOLDOWN PLAN
SCALE: NOT TO SCALE



B C-11 TYPICAL SHEARWALL DETAIL
SCALE: NOT TO SCALE

D C-11 TYPICAL HOLDOWN DETAIL
SCALE: NOT TO SCALE

SHEARWALL SCHEDULE

MARK	EDGE NAILING	SILL BOLTS	SILL NAILING	REMARKS
LAP SIDING ~~T1-11~~	8d AT 6"	5/8" DIA AT 6"	16d AT 6"	EXTERIOR STUD WALLS
◇1	8d AT 6"	5/8" DIA AT 4'–0"	16d AT 6"	~~WALL ONLY 3 SILL BOLTS AT 2'–0~~

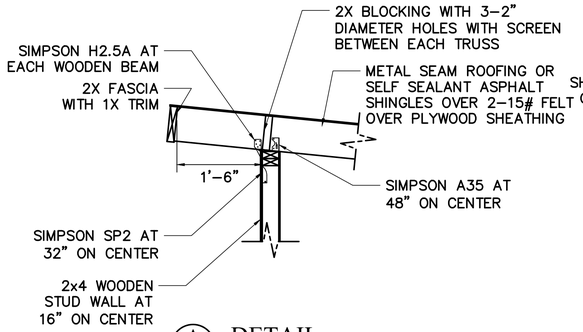
REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED

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DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF BOATING AND OCEAN RECREATION

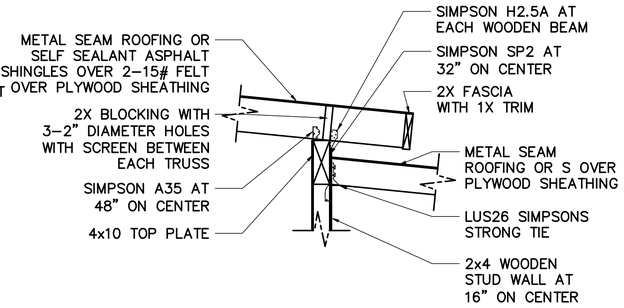
PORT ALLEN SMALL BOAT HARBOR
NEW HARBOR OFFICE

SHEARWALL AND HOLDOWN DETAIL

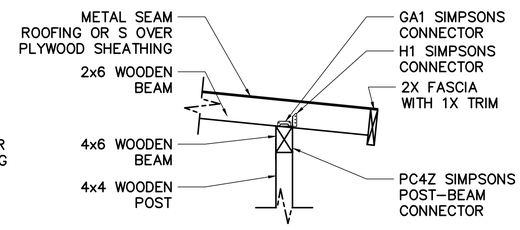
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DRAWN:	DATE:
CHECKED:	SCALE:
APPROVED: CHIEF ENGINEER DATE	DRAWING NO. C-11



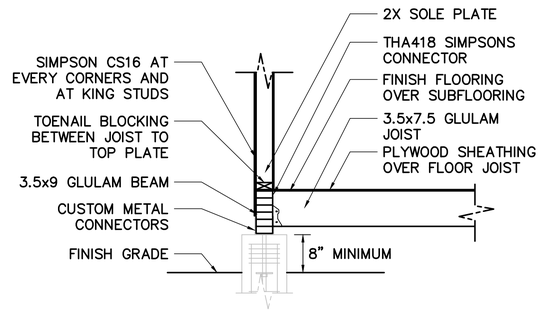
A C-12 DETAIL
SCALE: 3/4" = 1'–0"



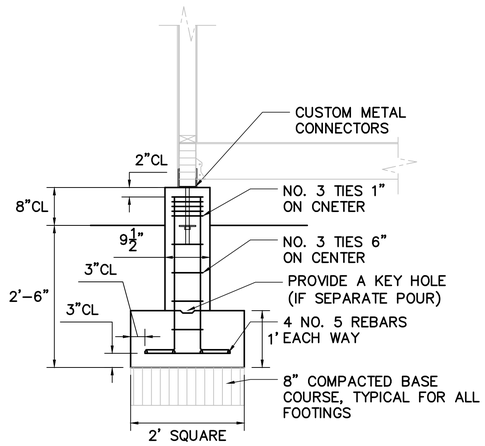
B C-12 DETAIL
SCALE: 3/4" = 1'–0"



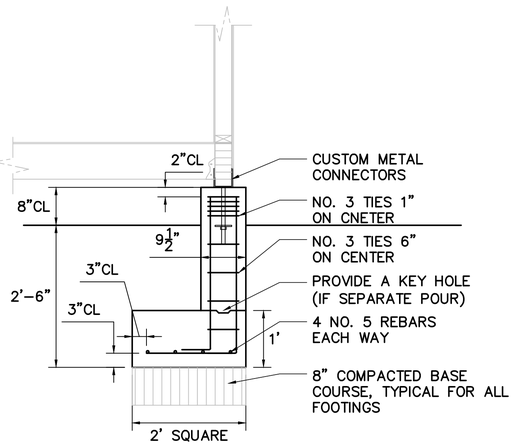
C C-12 DETAIL
SCALE: 3/4" = 1'–0"



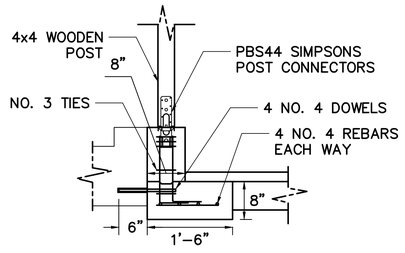
D C-12 DETAIL
SCALE: 3/4" = 1'–0"



E C-12 FT1 DETAIL
SCALE: 3/4" = 1'–0"

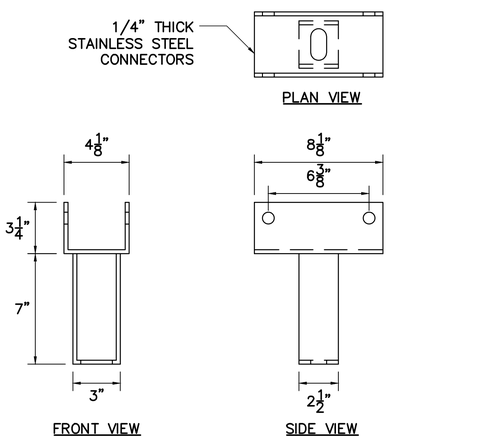


F C-12 FT2 DETAIL
SCALE: 3/4" = 1'–0"

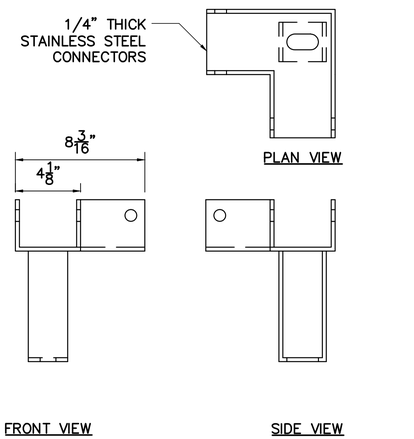


G C-12 FT3 DETAIL
SCALE: 3/4" = 1'–0"

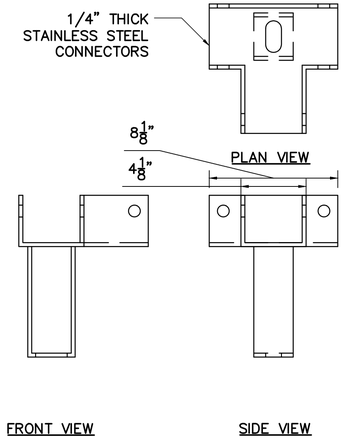
H C-12 DETAIL
SCALE: 3/4" = 1'–0"



I C-12 DETAIL
SCALE: 2–1/2" = 1'–0"



J C-12 DETAIL
SCALE: 2–1/2" = 1'–0"



K C-12 DETAIL
SCALE: 2–1/2" = 1'–0"

GRAPHIC SCALE
0 1 2 4
SCALE: 3/4" = 1'–0 FEET

GRAPHIC SCALE
0 1 2 4
SCALE: 2–1/2" = 1'–0 INCHES

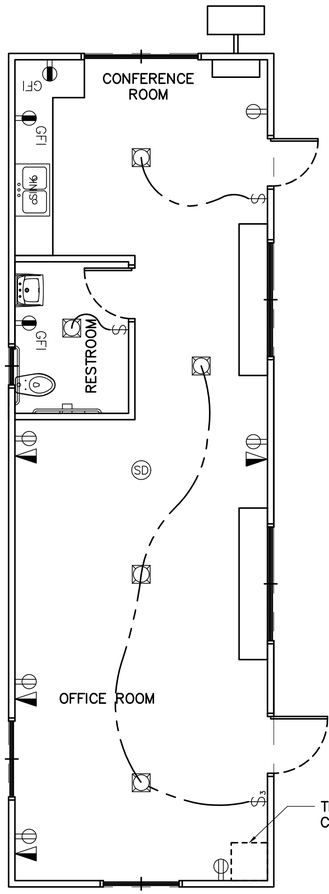
REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED

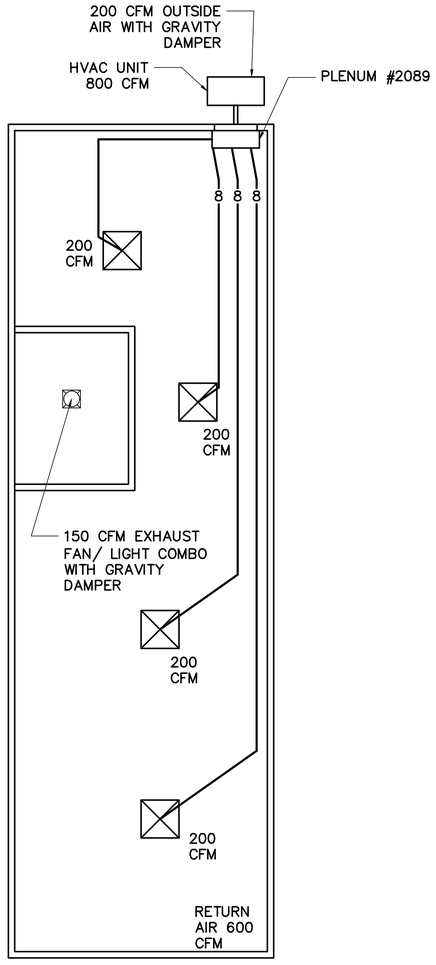
STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
DIVISION OF BOATING AND OCEAN RECREATION

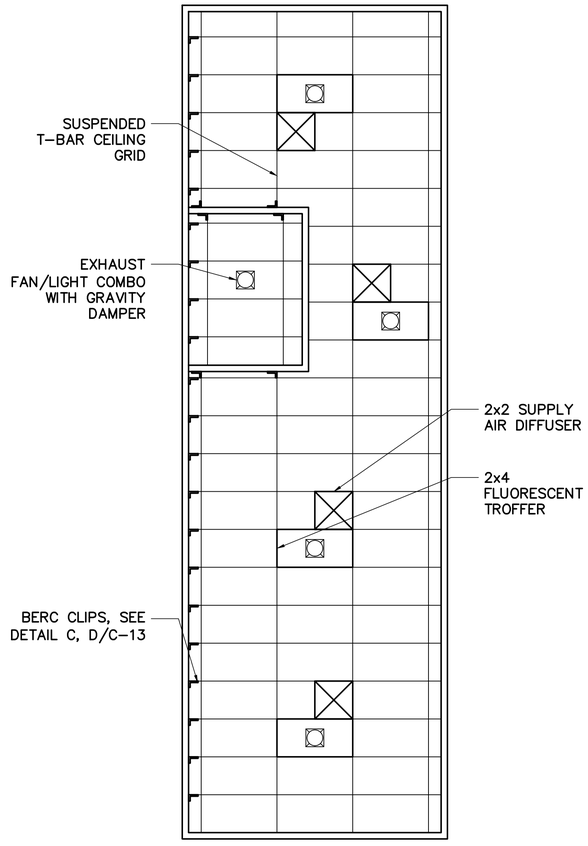
PORT ALLEN SMALL BOAT HARBOR
NEW HARBOR OFFICE

DETAILS

DESIGNED:	SUBMITTED:
DRAWN:	DATE:
CHECKED:	SCALE:
APPROVED: CHIEF ENGINEER DATE	DRAWING NO. C-12







	QTY	SIZE	TYPE	DESCRIPTION
HVAC	1	2 TON	FUJITZU (OR EQUAL)	OKW BARD WALL HUNG AIR CONDITIONER WITH NO HEAT STRIP
THERMOSTAT	1			PROGRAMMABLE – PECO T4932SCH

NOTE: INSULATION SHALL BE INSTALLED WALL-TO-WALL ON THE CEILING TILES. FOIL FACED BATTS WITH ECO-BATT INSULATION, 6.25 INCH THICK (R-19), AS MANUFACTURED BY KNAUF INSULATION, OR APPROVED EQUAL

A C-13 ELECTRICAL PLAN
SCALE: 1/4" = 1'-0"

B C-13 MECHANICAL PLAN
SCALE: 1/4" = 1'-0"

C C-13 REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"

ELECTRICAL NOTES:

1. SMOKE ALARMS: ALARM DEVICES SHALL BE INTERCONNECTED IN A MANNER THAT ACTUATION OF ONE ALARM WILL ACTIVATE ALL OF ALARMS IN INDIVIDUAL UNIT. ALARMS SHALL BE CLEARLY AUDIBLE.
2. NOTE TO BWS: NO AFS OR IRRIGATION TO THIS WATER METER PREMISES.
3. PROVIDE TERMITE PROTECTION AS PER IRC 2006 SECTION R320 WITH AMENDMENTS.
4. ELECTRICAL WORK SHOWN IS FOR SCHEMATIC PURPOSES ONLY. ALL WORK SHALL BE DONE IN ACCORDANCE WITH APPROPRIATE BUILDING CODES BY A LICENSED ELECTRICAL CONTRACTOR POSSESSING A VALID C-13 CONTRACTOR'S LICENSE.

LEGENDS:

- LIGHT
- LINE THRU SWITCH
- $ SINGLE POLE SWITCH
- $3 3 WAY SWITCH
- WALL LIGHT
- SD UL APPROVED ELECTRIC SMOKE DETECTOR WITH BATTERY BACKUP
- RECEPTACLE
- WP WEATHER PROOF RECEPTACLE
- GFI GROUND FAULT RECEPTACLE
- COMBINATION TELEPHONE (1EA. ANALOG, 1EA. VOIP) AND DATA JACK

MECHANICAL NOTES:

1. DUCT MATERIAL IS FLEX DUCT. DUCTWORK SHALL BE SUPPORTED PER UMC CHAPTER 6. MIN R-VALUE 5.0
2. MATERIAL IN DUCTS SHALL HAVE A FLAME SPREAD INDEX OF LESS THAN 25, SMOKE DEVELOPMENT OF 50 PER UMC CHAPTER 6.
3. 8" DIFFUSERS, TYPICAL MANUAL DAMPERS.
4. MINIMUM 200 CFM OUTSIDE AIR PROVIDED.
5. AIR CONDITIONING AND VENTILATION SYSTEM SHALL COMPLY WITH TITLE 11, ADMINISTRATIVE RULES , DEPARTMENT OF HEALTH, CHAPTER 39, AIR CONDITIONING AND VENTILATION REQUIREMENTS.
6. INSULATE ALL WYES, ELBOWS, DUCTS AND PLENUMS – MIN R-VALUE 5.0 OR HIGHER.
7. MECHANICAL WORK SHOWN IS FOR SCHEMATIC PURPOSES ONLY. ALL WORK SHALL BE DONE IN ACCORDANCE WITH APPROPRIATE BUILDING CODES BY A LICENSED MECHANICAL CONTRACTOR POSSESSING A VALID C-37 CONTRACTOR'S LICENSE.

FOR ILLUSTRATIVE PURPOSE ONLY AND NOT FOR CONSTRUCTION

GRAPHIC SCALE
0 4 8 16
SCALE: 1/4" = 1'-0 FEET

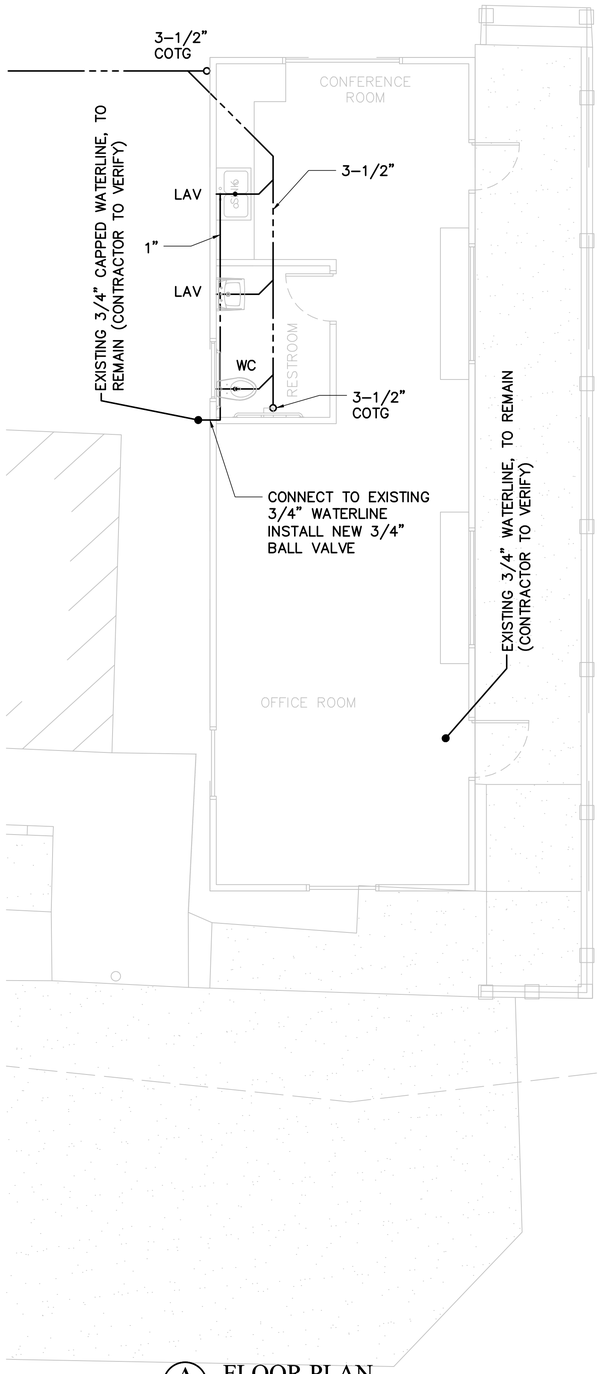
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STATE OF HAWAII
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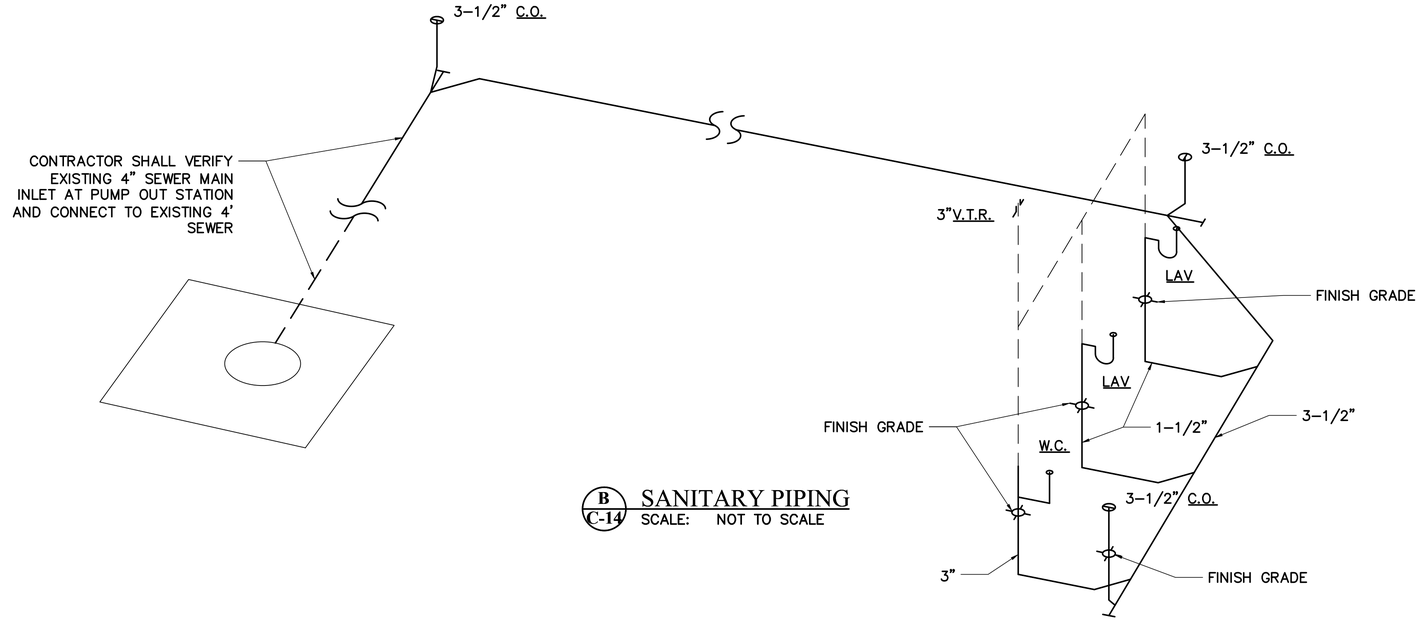
PORT ALLEN SMALL BOAT HARBOR NEW HARBOR OFFICE

ELECTRICAL, MECHANICAL, AND REFLECTED CEILING PLAN

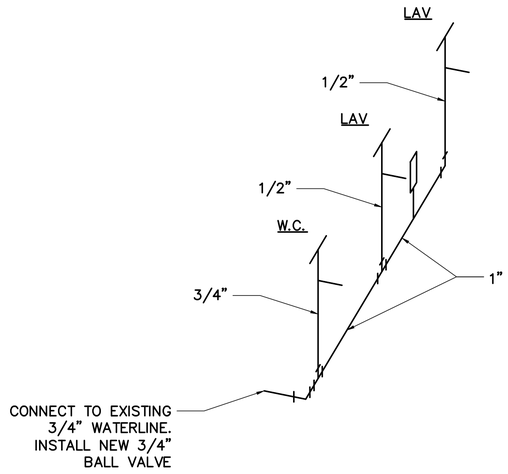
DESIGNED:	SUBMITTED:
DRAWN:	DATE:
CHECKED:	SCALE:
APPROVED:	DRAWING NO. C-13
CHIEF ENGINEER	DATE



A C-14 FLOOR PLAN
SCALE: 1/4" = 1'-0"



B C-14 SANITARY PIPING
SCALE: NOT TO SCALE



C C-14 WATER PIPING
SCALE: NOT TO SCALE

D C-14 CLEANOUT TO GRADE DETAIL
SCALE: NOT TO SCALE

NOTE: MECHANICAL WORK SHOWN IS FOR SCHEMATIC PURPOSES ONLY. ALL WORK SHALL BE DONE IN ACCORDANCE WITH APPORPRIATE BUILDING CODES BY A LICENSED MECHANICAL CONTRACTOR POSSESSING A VALID C-37 CONTRACTOR'S LICENSE

FOR ILLUSTRATIVE PURPOSE ONLY AND NOT FOR CONSTRUCTION

GRAPHIC SCALE
0 4 8 16
SCALE: 1/4" = 1'-0 FEET

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STATE OF HAWAII
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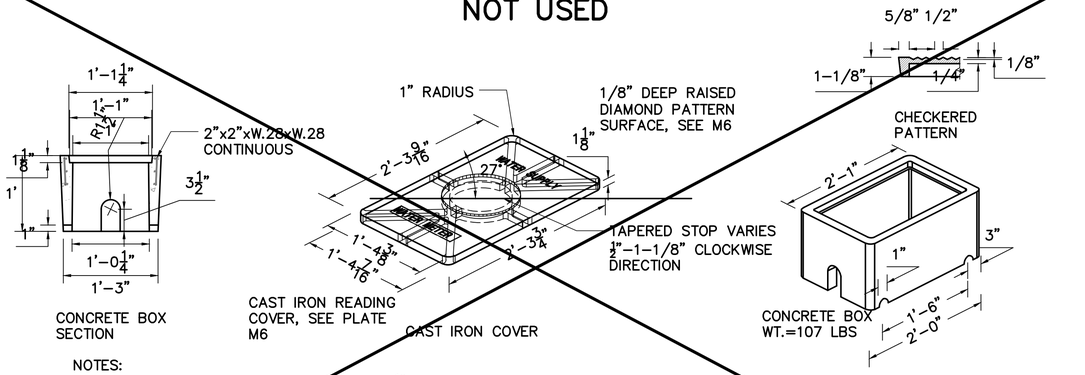
PORT ALLEN SMALL BOAT HARBOR
NEW HARBOR OFFICE

WATER AND SANITARY PIPING

DESIGNED:	SUBMITTED:
DRAWN:	DATE:
CHECKED:	SCALE:
APPROVED: CHIEF ENGINEER	DATE

DRAWING NO. C-14

NOT USED

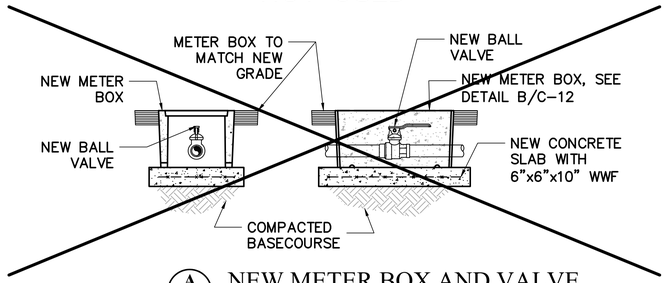


NOTES:

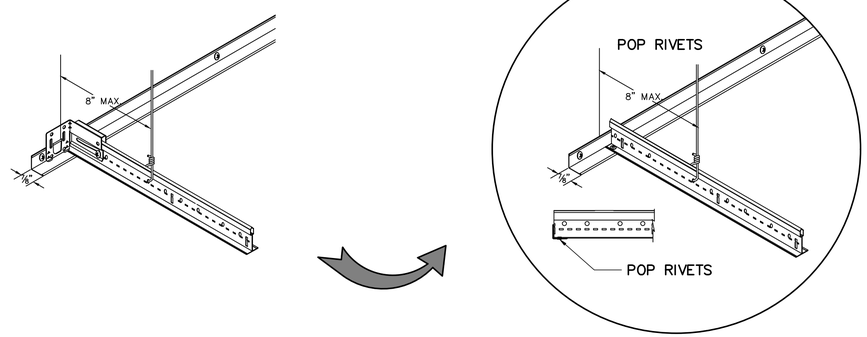
1. THICKNESS DIMENSIONS ARE NET. ADD 1/8" FOR RAISED SURFACE. RAISED SURFACE. USE 3/4" HIGH LETTERS
2. TYPE "X" METER BOX FOR 5/8", 3/4", & 1" METERS.
3. FOR "HAWAII" TYPE "X" METER BOX IS FOR 1" METER AND FOR 5/8" METERS INSTALLED IN A.C. OR CONCRETE PAVED AREA.
4. FOR OAHU AND HAWAII, FIBER REINFORCED CONCRETE IS ALLOWED.
5. SEE PLATE M24 FOR READING HOLE COVER DETAIL.
6. INSTALL 6" WIDEx4" THICK CONC COLLAR IN NON-CONCRETE/SIDEWALK AREAS WHERE APPLICABLE.

B / C-15 NEW METERBOX TYPE X
SCALE: 3/4" = 1'-0"

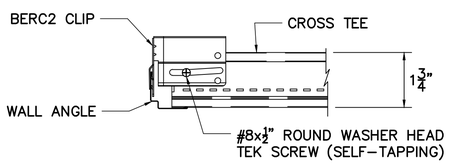
NOT USED



A / C-15 NEW METER BOX AND VALVE
SCALE: 3/4" = 1'-0"



C / C-15 CAT-DEF SEISMIC Rx BERC2
SCALE: 2-1/2" = 1'-0"



D / C-15 BERC2 CLIP DETAIL
SCALE: 5" = 1'-0"

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STATE OF HAWAII
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PORT ALLEN SMALL BOAT HARBOR
NEW HARBOR OFFICE

MISCELLENOUS DETAILS

DESIGNED:	SUBMITTED:
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CHECKED:	SCALE:
APPROVED: CHIEF ENGINEER / DATE	DRAWING NO. C-15