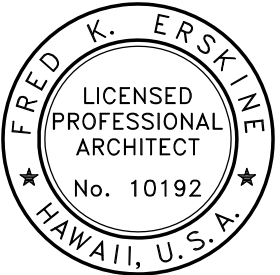


GENERAL NOTES	PROJECT DATA	INDEX TO DRAWINGS			
<div>1. ALL WORK SHOWN IS NEW UNLESS OTHERWISE NOTED.</div> <div>2. COMPLY WITH ALL APPLICABLE COUNTY OF HAWAII, STATE, AND FEDERAL LAWS, BUILDING CODES, THEIR ADDITIONS, ADDENDUMS, AND AMENDMENTS IN THE CONSTRUCTION OF THIS PROJECT.</div> <div>3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFORMANCE WITH THE APPLICABLE PROVISIONS OF CHAPTER 54, WATER QUALITY STANDARDS, AND CHAPTER 55, WATER POLLUTION CONTROL, OF TITLE 11, HAWAII ADMINISTRATIVE RULES OF THE STATE DEPARTMENT OF HEALTH.</div> <div>4. WORKMANSHIP SHALL CONFORM TO THE STATE BUILDING CODE. HOWEVER, WHERE REFERENCE IS MADE TO PERFORMANCE CONFORMING WITH OTHER STANDARDS, THE MORE STRINGENT SHALL APPLY.</div> <div>5. VERIFY AND CHECK ALL DIMENSIONS AND DETAILS SHOWN ON THE DRAWINGS PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR SHALL BE AWARE OF ALL EXISTING CONDITIONS INVOLVED IN THE WORK. NOTIFY THE STATE IMMEDIATELY, IN WRITING, OF ANY DISCREPANCIES OR DEVIATIONS BETWEEN THE EXISTING DRAWINGS AND CONDITIONS IN THE FIELD, INCLUDING, BUT NOT LIMITED TO, DIMENSIONS, ELEVATIONS, AND CLEARANCES.</div> <div>6. CAUTION SHALL BE EXERCISED SO THAT NO EXISTING AREAS TO REMAIN ARE DAMAGED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY/ALL CORRECTIVE WORK REQUIRED TO RESTORE DAMAGE TO THE SITE, EXISTING STRUCTURE, AND/OR EXISTING SURFACES. DAMAGED SURFACES SHALL BE CORRECTED TO MATCH EXISTING ADJACENT SURFACES.</div> <div>7. THE CONTRACTOR SHALL RESTORE TO THE ORIGINAL OR BETTER CONDITION ALL IMPROVEMENTS AND VEGETATION 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.</div> <div>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 ONTO ADJOINING PROPERTIES, STREETS, OR NATURAL WATERCOURSES. SHOULD SUCH VIOLATIONS OCCUR, THE COSTS INCURRED FOR ANY REMEDIAL ACTION SHALL BE PAYABLE BY THE CONTRACTOR.</div> <div>9. THE UNDERGROUND PIPES, CABLES, OR DUCTLINES KNOWN TO EXIST BY THE ARCHITECT FROM SEARCH OF RECORDS ARE INDICATED ON PLANS. THE CONTRACTOR SHALL VERIFY THE LOCATIONS AND DEPTHS OF THE FACILITIES AND EXERCISE PROPER CARE IN EXCAVATING THE AREA. ALL DAMAGED PORTIONS SHALL BE REPLACED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE AFFECTED UTILITY COMPANY AND SHALL BE THE CONTRACTORS RESPONSIBILITY. PERSONAL INJURY RESULTING FROM CONTACT WITH EXISTING UTILITIES SHALL BE THE CONTRACTOR'S RESPONSIBILITY. WHEREVER CONNECTIONS OF NEW UTILITIES TO EXISTING UTILITIES ARE SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL EXPOSE THE EXISTING LINES AT THE PROPOSED CONNECTIONS TO VERIFY THEIR LOCATIONS AND DEPTHS PRIOR TO EXCAVATION FOR NEW LINES.</div> <div>10. ALL EXISTING UTILITIES, WHETHER OR NOT SHOWN ON THE PLANS, SHALL BE PROTECTED AT ALL TIMES BY THE CONTRACTOR DURING CONSTRUCTION AND ANY DAMAGE TO THE EXISTING UTILITIES SHALL BE REPAIRED AND PAID FOR BY THE CONTRACTOR.</div> <div>11. THE CONTRACTOR SHALL NOTIFY ALL AGENCIES TO VERIFY THE ACTUAL LOCATION OF ALL UTILITIES IN THE PROJECT AREA PRIOR TO EXCAVATION. THE CONTRACTOR SHALL COORDINATE THE WORK WITH THE UTILITY AGENCIES.</div> <div>12. ALL REQUIRED UTILITY ADJUSTMENTS SUCH AS MANHOLE AND/OR VALVE BOX FRAMES AND COVERS SHALL BE DONE BY THE CONTRACTOR AND SHALL BE CONSIDERED INCIDENTAL TO THE WORK.</div> <div>13. THE CONTRACTOR SHALL NOTIFY THE ONE CALL CENTER AT (866) 423-7287 AT LEAST 5 WORKING DAYS PRIOR TO THE START OF EXCAVATION OR TRENCHING.</div> <div>14. EXCEPT WHERE OTHERWISE DIRECTED BY THE STATE, ALL DISPLACED MATERIALS HAVING SALVAGE VALUE SHALL BE CAREFULLY AND NEATLY STACKED OR STORED ON THE PREMISES WHERE DIRECTED BY THE STATE AND SHALL REMAIN THE PROPERTY OF THE STATE. ALL DISMANTLED AND DEMOLISHED MATERIALS HAVING NO SALVAGE VALUE AS DETERMINED BY THE STATE SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE COMPLETELY REMOVED AND HAULED AWAY FROM THE PREMISES.</div> <div>15. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE JOB SITE IN A NEAT AND SAFE CONDITION. ALL WORK SHALL BE PERFORMED WITHIN LIMITS OF WORK AREAS COORDINATED WITH THE STATE. DELIVERY OF MATERIALS AND EQUIPMENT SHALL BE COORDINATED TO MINIMIZE DISRUPTION OF FACILITY OPERATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROL OF NOISE, DEBRIS AND DUST TO PREVENT DISRUPTION OF FACILITY OPERATIONS, ADJACENT PROPERTY OWNERS, TENANTS, ETC. CONTRACTOR SHALL PROVIDE AND MAINTAIN SUITABLE BARRIERS AS REQUIRED TO PREVENT PUBLIC ENTRY, AND TO PROTECT THE WORK AND ADJACENT BUILDINGS, AREAS, AND PROPERTIES FROM CONSTRUCTION ACTIVITIES. BARRIERS SHALL BE REMOVED WHEN NO LONGER REQUIRED.</div> <div>16. THE CONTRACTOR AGREES TO 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 WORK HOURS.</div> <div>17. THE JOB SITE MUST BE LEFT IN A SAFE, SECURE CONDITION AT THE END OF EACH CONSTRUCTION WORK DAY. CLEAN UP AND REMOVE FROM THE JOB SITE ALL RUBBISH AND MAINTAIN THE PREMISES IN A CLEAN, ORDERLY CONDITION AT ALL TIMES.</div> <div>18. UPON COMPLETION OF CONSTRUCTION THE ENTIRE JOB SITE SHALL BE CLEANED OF ALL RUBBISH AND DEBRIS.</div> <div>19. AREAS FOR CONTRACT ZONE LIMITS, MATERIALS STORAGE, SCHEDULING OF WORK, TRASH DISPOSAL, WORKMEN'S PARKING, ETC., SHALL BE COORDINATED WITH THE STATE. COORDINATE ALL WORK, SCHEDULING, STAGING, AND ADMINISTRATIVE REQUIREMENTS WITH THE STATE.</div> <div>20. ALL WORK SHALL CONFORM WITH THE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN.</div> <div>21. WHERE PEDESTRIAN WALKWAYS EXIST, THEY SHALL BE MAINTAINED IN PASSABLE CONDITION OR OTHER FACILITIES FOR PEDESTRIANS SHALL BE PROVIDED. TEMPORARY PASSAGeways SHALL BE ACCESSIBLE PER 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN CHAPTER 2, SECTION 201.3 AND 206.1.</div> <div>22. NO BLASTING SHALL BE ALLOWED ON THIS PROJECT.</div> <div>23. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS FROM APPROPRIATE GOVERNMENT AGENCIES.</div> <div>24. THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR TEMPORARY UTILITIES SUCH AS ELECTRICITY, WATER, ETC. REQUIRED FOR CONSTRUCTION OPERATIONS AND ALL SUCH COSTS SHALL BE BORNE BY THE CONTRACTOR.</div>	<div>PROJECT SITE INFORMATION:</div> <div>OWNER:STATE OF HAWAII</div> <div>PROPERTY OWNER:STATE OF HAWAII</div> <div>PROPERTY ADDRESS:180 KALANIKO'A STREET, HILO, HAWAII 96720</div> <div>TAX MAP KEY:(3) 2-3-032: 011</div> <div>LOT AREA:.456 acres19,863 SF</div> <div>LAND USE INFORMATION:</div> <div>ZONING:ML-20 LIMITED INDUSTRIAL DISTRICT</div> <div>FRONT YARD:15 FEET</div> <div>REAR YARD:NONE</div> <div>SIDE & REAR YARD:NONE</div> <div>HEIGHT LIMIT45 FEET</div> <div>FLOOD ZONE:ZONE 'X'</div> <div>SMA:IN SMA</div> <div>HISTORIC REGISTER:NONE</div> <div>SPECIAL DISTRICT:NOT IN SPECIAL DISTRICT</div> <div>STATE LAND USE:URBAN</div> <div>USE:PUBLIC</div> <div>CODES & STANDARDS:</div> <div>2012 INTERNATIONAL BUILDING CODE</div> <div>AS AMENDED BY THE STATE OF HAWAII</div> <div>2015 INTERNATIONAL ENERGY CONSERVATION CODE</div> <div>2012 UNIFORM PLUMBING CODE</div> <div>2012 NFPA 1, NATIONAL FIRE PROTECTION AGENCY</div> <div>2017 NATIONAL ELECTRIC CODE</div> <div>2010 ADA STANDARDS FOR ACCESSIBLE DESIGN</div> <div>OCCUPANCY GROUP(S):B, S-1</div> <div>TYPE OF CONSTRUCTION:IIB</div> <div>ALLOWABLE AREA(S)GROUP B</div> <div>with frontage increaseGROUP S-1</div> <div>ALLOWABLE HEIGHT3 STORIES</div> <div>NO. OF STORIES:1</div> <div>FLOOR AREA CALCULATIONS:</div> <div>STORAGE & ADMINISTRATION</div> <div>NEW SPACES:</div> <div>RECEPTION651001</div> <div>OPEN OFFICE8871009</div> <div>CONFERENCE ROOM4001527</div> <div>BREAK ROOM1901513</div> <div>MANAGER'S OFFICE2101002</div> <div>LAND AGENT 11621002</div> <div>LAND AGENT 21391001</div> <div>LAND AGENT 31491001</div> <div>RESTROOM703001</div> <div>UTILITY ROOM523001</div> <div>VAULT1053001</div> <div>STORAGE1,5883005</div> <div>TOTAL401764</div> <div>LOT COVERAGE:</div> <div>BUILDING:</div> <div>OFFICE2,429</div> <div>STORAGE1,588</div> <div>LOT COVERAGE4,017</div> <div>PERCENTAGE OF LOT COVERAGE:</div> <div>PARKING AND LOADING</div> <div>LUO REQUIREMENTS: SHARED USE</div> <div>AREA (SF)</div> <div>FACTOR</div> <div>NO. OF STALLS</div> <div>COMMERCIAL USE4,01730013</div> <div>TOTAL REQUIRED:13</div> <div>13 STALLS REQ'D.</div> <div>PARKING STALLS (OFF-STREET):</div> <div>NO. OF STALLS</div> <div>OFF-STREET STALLS13</div> <div>ACCESSIBLE STALLS2</div> <div>TOTAL PARKING PROVIDED:15</div>	<div>SHEET NO. DRAWING NO. SHEET DESCRIPTION</div> <div>1 T-001 TITLE SHEET</div> <div>2 T-002 INDEX TO DRAWINGS, GENERAL NOTES</div> <div>3 T-003 ABBREVIATIONS, DRAWING SYMBOLS</div> <div>4 T-004 FIXTURE MOUNTING HEIGHTS</div> <div>CIVIL</div> <div>5 C-001 CIVIL GENERAL NOTES & CIVIL DRAWING INDEX</div> <div>6 C-002 CIVIL GENERAL NOTES</div> <div>7 C-003 CIVIL GENERAL NOTES & ABBREVIATIONS</div> <div>8 C-004 EROSION & SEDIMENT CONTROL PLAN</div> <div>9 C-100 SITE & UTILITIES PLAN</div> <div>10 C-110 GRADING & DRAINAGE PLAN</div> <div>11 C-200 CIVIL DETAILS</div> <div>12 C-201 CIVIL DETAILS</div> <div>13 C-202 CIVIL DETAILS</div> <div>14 C-203 CIVIL DETAILS</div> <div>15 C-204 CIVIL DETAILS</div> <div>16 C-300 TRAFFIC CONTROL PLAN</div> <div>LANDSCAPE</div> <div>17 L-100 LANDSCAPE PLAN</div> <div>18 L-200 LANDSCAPE DETAILS</div> <div>ARCHITECTURAL</div> <div>19 A-001 OVERALL SITE PLAN</div> <div>20 A-100 DEMOLITION SITE PLAN</div> <div>21 A-101 DEMOLITION FLOOR PLAN</div> <div>22 A-102 DEMOLITION ROOF PLAN</div> <div>23 A-103 DEMOLITION REFLECTED CEILING PLAN</div> <div>24 A-201 REPAIR FLOOR PLAN</div> <div>25 A-202 REPAIR ROOF PLAN</div> <div>26 A-203 REPAIR REFLECTED CEILING PLAN</div> <div>27 A-204 PARTIAL REPAIR FLOOR PLAN</div> <div>28 A-205 FINISH FLOOR PLAN</div> <div>29 A-206 ADDITIVE BID NO. 1 - PV SYSTEM</div> <div>30 A-301 EXTERIOR ELEVATIONS</div> <div>31 A-401 BUILDING SECTIONS</div> <div>32 A-402 WALL SECTIONS</div> <div>33 A-403 PARTITION TYPES</div> <div>34 A-404 PARTITION TYPES</div> <div>35 A-501 INTERIOR ELEVATIONS</div> <div>36 A-502 INTERIOR ELEVATIONS</div> <div>37 A-503 INTERIOR ELEVATIONS</div> <div>38 A-601 DOOR AND WINDOW SCHEDULE</div> <div>39 A-602 SIGNAGE SCHEDULES & DETAILS</div> <div>40 A-701 DOOR DETAILS</div> <div>41 A-702 WINDOW & STOREFRONT DETAILS</div> <div>42 A-703 CASEWORK DETAILS</div> <div>43 A-704 ROOF DETAILS</div> <div>44 A-705 MISC DETAILS</div> <div>45 A-706 SITE DETAILS</div> <div>STRUCTURAL</div> <div>46 S-001 GENERAL NOTES</div> <div>47 S-002 GENERAL NOTES & TYPICAL DETAILS</div> <div>48 S-003 GENERAL NOTES & TYPICAL DETAILS</div> <div>49 S-004 TYPICAL DETAILS</div> <div>50 S-005 TYPICAL DETAILS</div> <div>51 S-101 EXISTING FOUNDATION DEMO PLAN</div> <div>52 S-102 EXISTING FOUNDATION RENOVATION PLAN</div> <div>53 S-201 EXISTING ROOF FRAMING DEMO PLAN</div> <div>54 S-202 EXISTING ROOF FRAMING RENOVATION PLAN</div> <div>55 S-301 SECTIONS</div>	<div>MECHANICAL</div> <div>56 M-001 GENERAL NOTES</div> <div>57 M-101 PLUMBING DEMOLITION PLAN</div> <div>58 M-102 MECHANICAL DEMOLITION PLAN</div> <div>59 M-201 PLUMBING NEW WORK PLAN</div> <div>60 M-202 NEW MECHANICAL PLAN</div> <div>61 M-301 SANITARY AND WATER DIAGRAMS</div> <div>62 M-401 MECHANICAL EQUIPMENT SCHEDULE</div> <div>63 M-501 MECHANICAL DETAILS</div> <div>ELECTRICAL</div> <div>64 E-001 ELECTRICAL SYMBOLS, GENERAL ELECTRICAL NOTES</div> <div>65 E-101 OVERALL ELECTRICAL DEMOLITION SITE PLAN</div> <div>66 E-102 OVERALL NEW ELECTRICAL SITE PLAN</div> <div>67 E-201 LIGHTING DEMOLITION PLAN</div> <div>68 E-202 POWER AND SIGNAL DEMOLITION PLAN</div> <div>69 E-301 NEW LIGHTING PLAN</div> <div>70 E-302 NEW POWER AND SIGNAL PLAN</div> <div>71 E-401 EXISTING SERVICE EQUIPMENT DEMOLITION DETAIL, DEMOLITION SINGLE LINE DIAGRAM</div> <div>72 E-402 ELECTRICAL DETAILS, NEW SINGLE LINE DIAGRAM</div> <div>73 E-403 PV WIRING DIAGRAM</div> <div>74 E-501 TELECOMMUNICATION DETAILS</div> <div>75 E-502 ELECTRICAL DETAILS</div> <div>76 E-601 LUMINAIRE SCHEDULE</div> <div>77 E-602 PANEL SCHEDULES</div>		

THIS LICENSE EXPIRES APRIL 30, 2024



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 CHAPTER 18-115 OF THE HAWAII ADMINISTRATIVE RULES, DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS. (ENTITLED PROFESSIONAL ENGINEERS, ARCHITECTS, SURVEYORS AND LANDSCAPE ARCHITECTS))

SIGNATURE


DESIGNED: KK

DRAWN: KA, TW, WL

CHECKED: FE

APPROVED: Carty Chang

CHIEF ENGINEER

SUBMITTED: 

DATE: NOVEMBER 2022

SCALE: AS NOTED

DRAWING NO. T-002

JOB NO. E00BH30A

SHEET NO. 2 OF 77 SHEETS

ABBREVIATIONS

ABV	ABOVE	CRM	CONCRETE ROCK MASONRY	FDN	FOUNDATION	LAM	LAMINATED	INSTALLED	S	SOUTH
AC	ASPHALT CONCRETE	CSWK	CASEWORK	FE	FIRE EXTINGUISHER	LAND	LANDSCAPE	OH	SAT	SATURATED
A/C	AIR CONDITIONING	CT	CERAMIC TILE	FEC	FIRE EXTINGUISHER CABINET	LAV	LAVATORY	OPNG	SCHED	SCHEDULE
ACP	ACOUSTICAL PANEL CEILING	CTR	CENTER	FF	FINISH FLOOR	LH	LEFT HAND	OPP	SCWD	SOLID CORE WOOD DOOR
AD	AREA DRAIN	CTSK	COUNTER SINK	FFE	FINISH FLOOR ELEVATION	LONG	LONGITUDINAL	OPH	SECT	SECTION
ADJ	ADJUSTABLE			FH	FIRE HYDRANT	LP	LOW POINT	OS	SF	SQUARE FOOT/FEET
ADMIN	ADMINISTRATION	DAR	DEPARTMENT OF AQUATIC	FIRE PROT	FIRE PROTECTION	LT	LIGHT	OVHG	SH	SHELF/SHELVES
AF	ACCESS FLOORING	RESOURCES		FIN	FINISH	LTG	LIGHTING	OVS	SHPD	STATE HISTORIC
AFF	ABOVE FINISH FLOOR	DB	DECIBEL	FL	FLOOR	LVR	LOUVER		PRESERVATION	
AFG	ABOVE FINISH GRADE	DBL	DOUBLE	FLEX	FLEXIBLE			PJ	PANEL JOINT	DIVISION
AHU	AIR HANDLING UNIT	DEFS	DIRECT APPLIED EXT FINISH	FLASH'G	FLASHING	MATL	MATERIAL	PL	PLATE	SHEET
ALUM	ALUMINUM	SYSTEM		FLRG	FLOORING	MAX	MAXIMUM	PLAM	PLASTIC LAMINATE	SHWR
ALT	ALTERNATE	DF	DRINKING FOUNTAIN	FOS	FACE OF STUDS	MECH	MECHANICAL	PLAS	PLASTER	SIM
AP	ACCESS PANEL	DIAG	DIAGONAL	FOW	FACE OF WALL	MEMB	MEMBRANE	PLBG	PLUMBING	SJ
APPROX	APPROXIMATE	DIM	DIMENSION	FPRF	FIREPROOF	MET	METAL	R	PROPERTY LINE	SLNT
ARCH	ARCHITECT(URAL)	DISP	DISPLAY	FR	FRAME	MET LKRS	METAL LOCKERS	PNL	PANEL	SOG
ASPH	ASPHALT	DIV	DIVISION	FT	FOOT/FEET	MFR	MANUFACTURER	POC	POINT OF CONNECTION	SL
		DOCARE	DIVISION OF CONSERVATION			MH	MOUNTING HEIGHT	POL	POLISHED	SP
		AND				MIN	MINIMUM	PR	PAIR	SQ
BCS	BABY CHANGING STATION					MISC	MISCELLANEOUS	PREFAB	PREFABRICATED	SST
BD	BOARD		RESOURCES ENFORCEMENT	GALV	GALVANIZED	MLDG	MOLDING	PRG	PROGRAMMABLE SQUARE	STC
BLW	BELOW	DN	DOWN	GB	GRAB BAR	MEZZ	MEZZANINE	FOOTAGE		CLASS
BVL	BEVELED	DP	DAMPPROOFING	GL	GLASS	MGR	MANAGER	PROJ	PROJECT	STAG
BIT	BITUMINOUS	DR	DOOR	GSF	GROSS SQARE FOOTAGE	MLWK	MILL WORK	PT	POINT	STD
BKS	BACKSPLASH	DS	DOWNSPOUT	GWB	GYPSPUM WALL BOARD	MM	MILLIMETERS	PNT	PAINT	STL
BL	BUILDING LINE	DTL	DETAIL	GYP	GYPSPUM	MNT	MOUNT/MOUNTING	PTD	PAPER TOWEL DISPENSER	STOR
BLDG	BUILDING	DRWG	DRAWING			MO	MASONRY OPENING	PTN	PARTITION	STRUCT
BM	BEAM			HC	HANDICAPPED	MS	METAL STUD	PVMT	PAVEMENT	SUSP
BOT	BOTTOM	E	EAST	HD	HEAD	MR	METAL RAILING			SYS
BRG	BEARING	EA	EACH	HDW	HARDWARE	MTG	MEETING	QTY	QUANTITY	
BS	BOTH SIDES	EF	EXHAUST FAN	HDWD	HARDWOOD	MULL	MULLION			T
BTW	BETWEEN	EFG	ENTRANCE FOOT GRILLE	HM	HOLLOW METAL			R	RISER	TRD
		ENG	ENGINEERING DIVISION	HNDRL	HANDRAIL			RAD	RADIUS	T&B
C/C	CENTER TO CENTER	EG	EXISTING GRADE	HORIZ	HORIZONTAL	N	NORTH	RCP	REFLECTED CEILING PLAN	TEMP
CAB	CABINET	EGS	EXPOSED GRID SYSTEM	HP	HIGH POINT	N/A	NOT APPLICABLE	RD	ROOF DRAIN	TEX
CCC	COMMUNITY CONFERENCE	EJ	EXPANSION JOINT	HR	HOUR	N/R	NON-RATED	RDL	ROOF DRAIN LEADER	THK
CENTER		ELEC	ELECTRICAL	HGT	HEIGHT	NIC	NOT IN CONTRACT	REC	RECESSED	THRESH
CIP	CAST IN PLACE	ELEV	ELEVATION	HW	HOT WATER HEATER	NO	NUMBER	RECT	RECTANGULAR	TKB
CJ	CONSTRUCTION JOINT	ENCL	ENCLOSED			NOM	NOMINAL	REINF	REINFORCING	TLT
CJT	CONTROL JOINT	EQ	EQUAL	IAW	IN ACCORDANCE WITH	NRC	NOISE REDUCTION	REMOV	REMOVABLE	TOC
CLG	CEILING	EQPM	EQUIPMENT	ID	INSIDE DIAMETER	COEFFICIENT		REQ'D	REQUIRED	TOE
CLR	CLEAR	EWS	EYE WASH STATION	IF	INSIDE FACE	NSF	NET SQUARE FOOTAGE	REQUIREMEN(S)	REQUIREMEN(S)	TOF
CMU	CONCRETE MASONRY UNIT	EXH	EXHAUST	IG	INSULATED GLASS	NTE	NOT TRUE ELEVATION	REV	REVISION/REVISED	TOM
COL	COLUMN	EXP	EXPOSED	IN	INCHES	NTS	NOT TO SCALE	RH	RIGHT HAND	TOP
COMB	COMBINATION	EXPS	EXPANSION	INSUL	INSULATION			RM	ROOM	TOS
CONC	CONCRETE	EXST	EXISTING	INT	INTERIOR	O/O	OUT TO OUT	RO	ROUGH OPENING	TOW
CONT	CONTINUOUS	EXTD	EXTRUDED	ISO	ISOMETRIC	OA	OVERALL	ROD	ROOF OVERFLOW DRAIN	TP
CONX	CONNECTION					OC	ON CENTER	ROOF'G	ROOFING	TPD
CONST	CONSTRUCTION					OCC	OCCUPANT	RT	RIGHT	TRTD
CORR	CORRIDOR	FAB	FABRIC	JAN	JANITOR	OD	OVERFLOW DRAIN	RV	RELIEF VENT	TS
COUNS	COUNSELOR	FCO	FLOOR CLEAN OUT	JT	JOINT	OF	OUTSIDE FACE			TWF
CPT	CARPET	FD	FLOOR DRAIN	L	LEFT	OFOI	OWNER FURNISHED OWNER			TYP

HAWAII COUNTY ENERGY CODE

2015 IECC, HAWAII REVISED STATUTES HRS 107-24 TO 28 & HAWAII ADMINISTRATIVE RULES HAR 3-181.1

COMMERCIAL BUILDING ENERGY EFFICIENCY STANDARDS

I CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE, THIS PROJECTS DESIGN SUBSTANTIALLY CONFORMS TO THE BUILDING ENERGY EFFICIENCY STANDARDS PERTAINING TO THE **COMMERCIAL PROVISIONS FOR BUILDING ENVELOPE COMPONENTS (C402)** OF THE 2015 IECC WITH AMENDMENTS PER HAR 3-181.1:

COMPLIANCE METHOD

☒ 2015 IECC as amended. Mandatory & Prescriptive
☐ 2015 IECC as amended. Mandatory & Total Building Performance
☐ ASHRAE Standard 90.1-2013. Mandatory & Prescriptive
☐ ASHRAE Standard 90.1-2013. Mandatory & Energy Cost Budget Method

INFORMATION IN CONSTRUCTION DOCUMENTS

	Yes	N/A
Roof insulation R-value	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Roof insulation type and location	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Roof membrane solar reflectance and thermal emittance	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wall insulation R-value	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wall insulation type and location	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Window SHGC	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Window U-factor	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Skylight SHGC	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Skylight U-factor	<input checked="" type="checkbox"/>	<input type="checkbox"/>

NOTES

EXISTING EXTERIOR WALL TO REMAIN IS GROUTED CONCRETE MASONRY UNIT (CMU).

Signature: _____ Date: _____ Stamp, Date & Two-Part Statement

Name: FRED K. ERSKINE

Title : PRESIDENT

License No. : 10192

Project Name: HAWAII DISTRICT LAND OFFICE

Project TMK: (3) (3) 2-2-032: 011

DRAWING SYMBOLS

ENLARGED PLANS		DRAWING NUMBER LOCATION		SHEET NUMBER LOCATION	COLUMN LINE		NUMBERS IN ONE DIRECTION	LETTERS IN OTHER DIRECTION		LIGHT POLE WITH LUMINAIRE
DETAILS		DRAWING NUMBER LOCATION		SHEET NUMBER LOCATION	CHANGE IN ELEVATION		WORK POINT, CONTROL POINT, DATUM POINT		SAFETY DISCONNECT SWITCH	
ELEVATIONS		DRAWING NUMBER LOCATION		SHEET NUMBER LOCATION	DIRECTION OF ELEVATION		REVISION CLOUD		REVISION NUMBER	
SECTIONS		DRAWING NUMBER LOCATION		SHEET NUMBER LOCATION	DIRECTION OF SECTION		ROOM/SPACE IDENTIFICATION		ROOM NAME	
NORTH ARROW		NORTH		WEST	DOOR TYPES		DOOR TYPE REFERENCE NUMBER		DOOR TYPE REFERENCE LETTER	
INTERIOR ELEVATION KEY		KEY TO INTER. ELEV.		A	WINDOW TYPES		WINDOW TYPE REFERENCE NUMBER		WINDOW TYPE REFERENCE LETTER	
MATCHLINE		MATCHLINE		SEE -/A- FOR PLAN CONTINUATION	SIGN TYPES		SIGN TYPE REFERENCE NUMBER		SIGN TYPE REFERENCE LETTER	
					PARTITION TYPES		PARTITION TYPE REFERENCE NUMBER		PARTITION TYPE REFERENCE LETTER	
					KEYNOTE TYPES		KEYNOTE TYPE REFERENCE NUMBER		KEYNOTE TYPE REFERENCE LETTER	
					FINISH TYPES		FINISH TYPE REFERENCE NUMBER		FINISH TYPE REFERENCE LETTER	

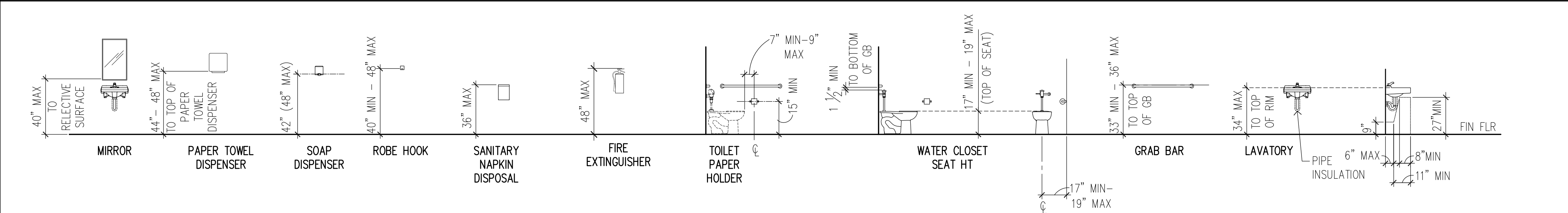
REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION					
HAWAII DISTRICT LAND OFFICE HILO, HAWAII					
ABBREVIATIONS, DRAWING SYMBOLS, PLOT PLAN					
DESIGNED: KK					
SUBMITTED:					
DRAWN: KA, TW, WL					
DATE: FEBRUARY 2021					
CHECKED: FE					
SCALE: AS NOTED					
APPROVED:					
CARTY CHANG E-SIGNED 2022-11-28 04:17PM HST					
CHIEF ENGINEER					
STATE OF HAWAII					
DRAFTING NO. T-003					

NOTES (THIS SHEET)

KEYNOTES (THIS SHEET)

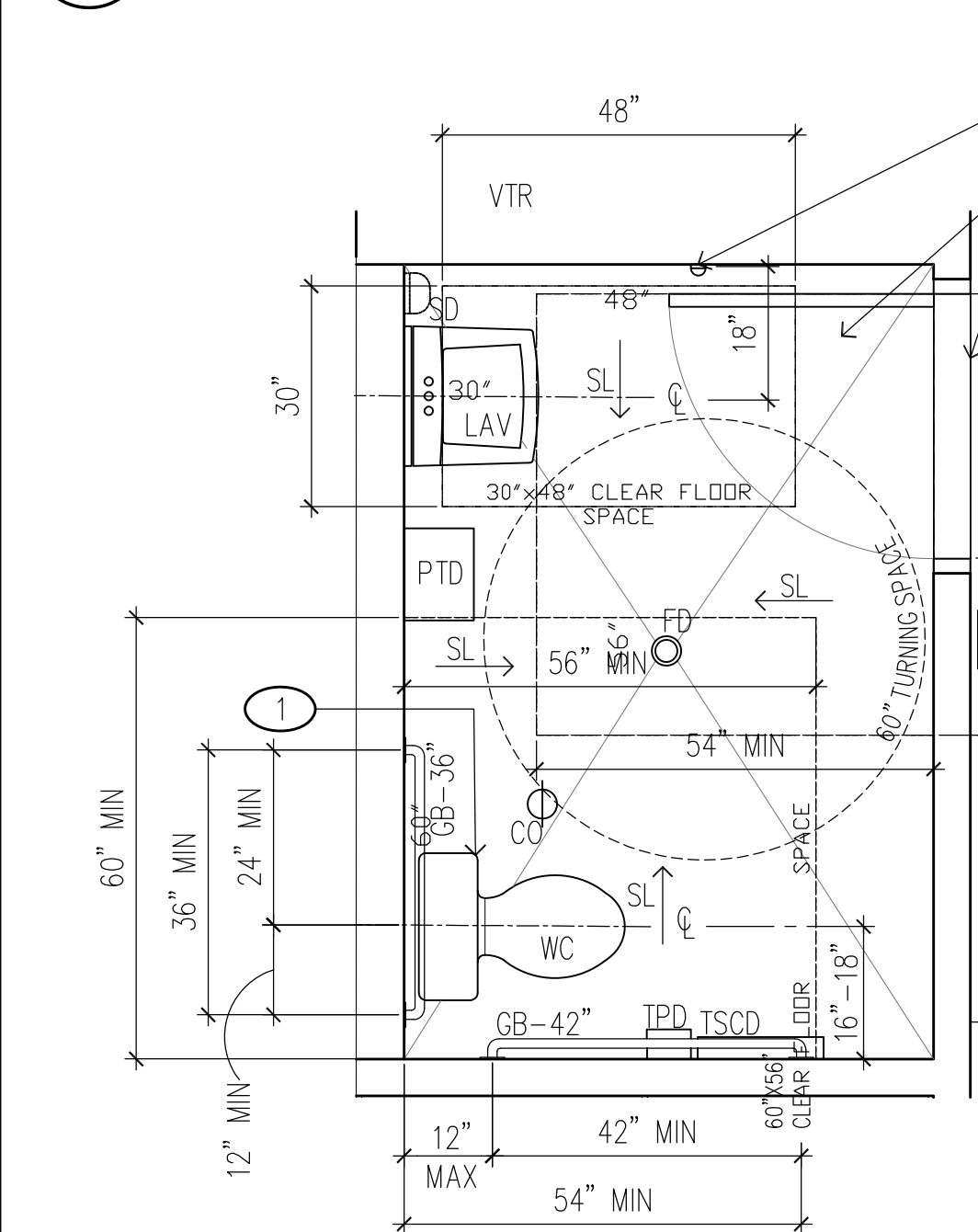
- | | |
|--|---|
| 1. ALL NOTES & DIMENSIONS PROVIDED ARE FOR GENERAL CONFORMANCE PURPOSES ONLY. THE CONTRACTOR SHALL NOT RELY SOLELY UPON THIS DRWG SHEET FOR MOUNTING, INSTALLATION & CLEARANCE REQUIREMENTS. | 5. RESTROOM FIXTURES/ACCESSORIES ABBREVIATIONS:
GB STAINLESS STEEL GRAB BAR
LAV LAVATORY
PTD PAPER TOWEL DISPENSER
SND SANITARY NAPKIN DISPENSER
SCD TOILET SEAT COVER DISPENSER
SD SOAP DISPENSER
TPD TOILET PAPER DISPENSER
TSCD TOILET SEAT COVER DISPENSER
WC WATER CLOSET |
| 2. THE CONTRACTOR SHALL VERIFY ADA MOUNTING, INSTALLATION & CLEARANCE REQUIREMENTS W/ THE MANUFACTURER & OTHER REFERENCED ACCESSIBILITY GUIDES (ADAAG MIN.) PRIOR TO INSTALLATION. | |
| 3. WATER CLOSETS ARE TO BE MANUAL FLUSHING TYPE, UNLESS OTHERWISE NOTED. | |
| 4. LAV FAUCETS ARE TO BE MANUALLY ACTIVATED UNLESS OTHERWISE NOTED. | 6. ALL DIMENSIONS ARE TAKEN FROM THE FACE OF FIN & SHALL INDICATE A CLEAR DIMENSION, UNLESS OTHERWISE NOTED. |

FLUSH CONTROL SHALL BE ACCESSIBLE PER ADAAG 604.5.2.




1. FIXTURE MOUNTING HEIGHTS

SCALE: NTS



② RESTROOM CLEARANCE

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

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
 <p>THIS LICENSE EXPIRES APRIL 30, 2024</p> <p><i>Fred K. Erskine</i> SEAL</p> <p>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 CHAPTER 215 OF THE HAWAII ADMINISTRATIVE RULES, DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS, ENTITLED PROFESSIONAL ENGINEERS, ARCHITECTS, SURVEYORS AND LANDSCAPE ARCHITECTS.</p>		<p>STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION</p>			
		<p>HAWAII DISTRICT LAND OFFICE HILO, HAWAII</p>			
		<p>FIXTURE MOUNTING HEIGHTS</p>			
		<p>DESIGNED: KK</p>		<p>SUBMITTED: <i>JK</i> <i>JK</i></p>	
		<p>DRAWN: KA, TW, WL</p>		<p>DATE: FEBRUARY 2021</p>	
<p>CHECKED: FE</p>		<p>SCALE: AS NOTED</p>			
<p>APPROVED:</p>		<p>Carty Chang E-signed 2022-11-28 04:17PM HST carty.s.chang@hawaii.gov</p>			<p>DRAWING NO. T-004</p>
<p>CHIEF ENGINEER</p>		<p>State of Hawaii</p>			

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CONSTRUCTION NOTES

1.

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION", DATED SEPTEMBER 1984 AND THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION", DATED SEPTEMBER 1986, AS APPLICABLE TO THE COUNTY OF HAWAII DEPT. OF PUBLIC WORKS, UNLESS INDICATED OTHERWISE IN THE PLANS, THESE NOTES, OR THE SPECIAL PROVISIONS.
2.

CONTRACTOR SHALL SECURE THE SERVICES OF A HAWAII LICENSED SURVEYOR TO PROVIDE CONSTRUCTION STAKEOUT.
3.

VERIFY AND CHECK ALL DIMENSIONS AND DETAILS SHOWN ON THE DRAWINGS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCY SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE STATE FOR DIRECTION.
4.

UNDERGROUND PIPES, CABLES OR DUCTLINES KNOWN TO EXIST BY THE ENGINEER FROM THEIR SEARCH OF RECORDS ARE INDICATED ON THE PLANS. THE CONTRACTOR SHALL VERIFY THE LOCATIONS AND DEPTHS OF UTILITIES AND STRUCTURES AND EXERCISE PROPER CARE IN EXCAVATING IN THE AREA. WHENEVER CONNECTIONS OF NEW UTILITIES TO EXISTING UTILITIES ARE SHOWN ON THE PLANS, THE CONTRACTOR SHALL EXPOSE THE EXISTING LINES AT THE PROPOSED CONNECTIONS TO VERIFY THEIR LOCATIONS AND DEPTHS PRIOR TO EXCAVATION FOR THE NEW LINES.
5.

THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES, WHETHER SHOWN ON THE PLAN OR NOT, AND SHALL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF THE SAME IN THE EVENT OF DAMAGES DUE TO THEIR CONSTRUCTION PRACTICES. THE CONTRACTOR SHALL COORDINATE THEIR WORK WITH RESPECTIVE UTILITY COMPANIES AS APPROPRIATE.
6.

THE GENERAL CONTRACTOR OF THE PROJECT SHALL BE RESPONSIBLE FOR CONFORMANCE WITH APPLICABLE PROVISIONS OF THE HAWAII ADMINISTRATIVE RULES, TITLE 11, CHAPTER 54, "WATER QUALITY STANDARDS," AND TITLE 11, CHAPTER 55, "WATER POLLUTION CONTROL," AS WELL AS HAWAII COUNTY CODE CHAPTER 10 "EROSION AND SEDIMENT CONTROL", AS AMENDED. BEST MANAGEMENT PRACTICES SHALL BE EMPLOYED AT ALL TIMES DURING CONSTRUCTION.
7.

THE CONTRACTOR SHALL RESTORE TO THEIR ORIGINAL CONDITION OR BETTER, ALL IMPROVEMENTS DAMAGED AS A RESULT OF THE CONSTRUCTION AT HIS/HER OWN EXPENSE, INCLUDING PAVEMENTS, EMBANKMENTS, CURBS, GUTTERS, DRIVEWAYS, SIDEWALKS, SIGNS, LANDSCAPING, STRUCTURES, UTILITIES, WALLS, FENCES, ETC. UNLESS PROVIDED FOR SPECIFICALLY IN THE PROPOSAL.
8.

NO TRENCHING SHALL BE LEFT OPEN FOR MORE THAN FIVE (5) WORKING DAYS, DURING WHICH TIME THE TRENCH SHALL BE PROPERLY CORDONED OFF AND SIGNAGE PROVIDED.
9.

CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS.
10.

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.
11.

ESTABLISH FINISH ELEVATIONS FOR ALL UTILITY STRUCTURES, FRAMES AND COVERS WITHIN ACCESSIBLE ROUTES SUCH THAT THEY WILL BE FLUSH WITH THE SURFACE OF THE ADJACENT ACCESSIBLE ROUTE WHEN WORK IS COMPLETED. THE FINAL FINISH ELEVATION OF ANY SUCH ITEM SHALL NOT EXCEED $\frac{1}{4}$ " ABOVE OR BELOW THE ADJACENT FINISH ELEVATION OF THE ACCESSIBLE ROUTE AT ANY POINT. VARIATIONS IN EXCESS OF THIS AMOUNT WILL BE CONSIDERED DEFECTIVE WORK AND SHALL BE CORRECTED BY THE CONTRACTOR AT NO COST TO THE STATE.
12.

CONFINED SPACE

FOR ENTRY BY COUNTY PERSONNEL, INCLUDING INSPECTORS, INTO A PERMIT REQUIRED CONFINED SPACE AS DEFINED IN 29 CFR PART 1910.146(b), THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING:

- I.

ALL SAFETY EQUIPMENT REQUIRED BY THE CONFINED SPACE REGULATIONS APPLICABLE TO ALL PARTIES OTHER THAN THE CONSTRUCTION INDUSTRY, TO INCLUDE, BUT NOT LIMITED TO, THE FOLLOWING:

a.

FULL BODY HARNESSES FOR UP TO TWO PERSONNEL.

b.

LIFELINE AND ASSOCIATED CLIPS.

c.

INGRESS/EGRESS AND FALL PROTECTION EQUIPMENT.

d.

TWO-WAY RADIOS (WALKIE-TALKIES) IF OUT OF LINE-OF-SIGHT.

e.

EMERGENCY (ESCAPE) RESPIRATOR (10 MINUTE DURATION).

f.

CELLULAR TELEPHONE TO CALL FOR EMERGENCY ASSISTANCE.

g.

CONTINUOUS GAS DETECTOR (CALIBRATED) TO MEASURE OXYGEN, HYDROGEN SULFIDE, CARBON MONOXIDE AND FLAMMABLES (CAPABLE OF MONITORING AT A DISTANCE AT LEAST 20- FEET AWAY).

h.

PERSONAL MULTI-GAS DETECTOR TO BE CARRIED BY INSPECTOR.
- II.

CONTINUOUS FORCED AIR VENTILATION ADEQUATE TO PROVIDE SAFE ENTRY CONDITIONS.
- III.

ONE ATTENDANT/RESCUE PERSONNEL TOPSIDE (TWO, IF CONDITIONS WARRANT IT).

13.

FOR PROJECT BENCHMARKS, SEE SHEET C-100.

NOTES FOR WORK WITHIN COUNTY RIGHT-OF-WAY

1.

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE COUNTY OF HAWAII, DEPARTMENT OF PUBLIC WORKS "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION," DATED SEPTEMBER 1986, AND "STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION", DATED SEPTEMBER 1984.
2.

THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES WHETHER SHOWN ON THE PLAN OR NOT, AND SHALL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF SAME IN THE EVENT OF DAMAGES DUE TO THIS CONSTRUCTION PRACTICES. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH RESPECTIVE UTILITY COMPANIES.
3.

THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL TRAFFIC CONTROL DEVICES IN CONFORMANCE WITH THE CURRENT VERSION OF THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", AND AS DIRECTED BY THE DEPARTMENT OF PUBLIC WORKS (DPW).
4.

THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS 48 HOURS BEFORE THE COMMENCEMENT OF ANY UTILITY LINE WORK TO SCHEDULE A FIELD REVIEW AND SECURE APPROVAL OF THE PROPOSED UTILITY LINE LOCATION WITHIN THE COUNTY RIGHT-OF-WAY.
5.

THE PROPOSED UTILITY LINE SHALL BE LAID OUT IN THE FIELD PRIOR TO THE CONDUCTING OF THE FIELD REVIEW BY THE DEPARTMENT OF PUBLIC WORKS.
6.

THE FIELD ADJUSTMENTS SHALL BE MADE AS DIRECTED BY THE DEPARTMENT OF PUBLIC WORKS PRIOR TO THE COMMENCEMENT OF ANY UTILITY LINE WORK.
7.

THE REQUIRED PERMIT, UNDER CHAPTER 22, ARTICLE 4, DIVISION 1 OF THE HAWAII COUNTY CODE, SHALL BE OBTAINED FROM THE DEPARTMENT OF PUBLIC WORKS BY THE CONTRACTOR FOR WORK WITHIN THE COUNTY RIGHT-OF-WAY.
8.

NO WORK WITHIN THE COUNTY RIGHT-OF-WAY SHALL BE DONE ON SATURDAYS, SUNDAYS AND HOLIDAYS ANYTIME WITHOUT PRIOR APPROVAL FROM THE DEPARTMENT OF PUBLIC WORKS. WORK ON NORMAL WORKING DAYS SHALL BE LIMITED BETWEEN THE HOURS OF 7:00 A.M. TO 3:30 P.M.
9.

THE CONTRACTOR SHALL PROVIDE AT LEAST ONE (1) LANE FOR TRAFFIC MOVEMENT AT ALL TIMES. TWO (2) LANES FOR TRAFFIC MOVEMENT SHALL BE PROVIDED BETWEEN 3:30 P.M. AND 7:00 A.M.
10.

THE EXISTING PAVEMENT SHALL BE SAW-CUT BEFORE THE COMMENCEMENT OF TRENCHING WORK.
11.

ANY PAVEMENT OUTSIDE THE CONTRACT ZONE LIMITS DAMAGED AS A RESULT OF CONSTRUCTION OPERATIONS SHALL BE RESTORED TO ITS ORIGINAL CONDITION OR BETTER AS DIRECTED BY THE DPW.
12.

A TEMPORARY COLD MIX PATCH SHALL BE APPLIED IMMEDIATELY UPON COMPLETION OF THE BACKFILLING OPERATION AND SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL A PERMANENT PATCH IS AUTHORIZED BY THE DEPARTMENT OF PUBLIC WORKS.
13.

NO MATERIAL, EXCEPT THE TRENCH EXCAVATED MATERIAL SHALL BE STOCKPILED CLOSER THAN SIX (6) FEET FROM THE EXISTING EDGE OF PAVEMENT.
14.

NO CONSTRUCTION EQUIPMENT SHALL BE PARKED OR ANY MATERIALS STORED WITHIN THE COUNTY ROAD RIGHT-OF-WAY IN SUCH A MANNER THAT THE EQUIPMENT WILL OBSTRUCT THE NORMAL MOVEMENT AND SIGHT DISTANCE OF THE DRIVING MOTORIST, EXCEPT DURING ACTUAL WORKING HOURS.
15.

EXCEPT DURING THE ACTUAL WORKING HOURS, ALL SIGNS THAT DO NOT PERTAIN TO THE CONSTRUCTION ACTIVITY, SUCH AS "MEN WORKING" AND "FLAGMAN AHEAD SHALL BE COVERED OR LAID DOWN. HOWEVER, ALL SIGNS NECESSARY FOR THE SAFETY OF THE PUBLIC SHALL BE MAINTAINED.
16.

ANY PAVEMENTS MARKINGS, STRUCTURES, AND APPURTENANCES (WITHIN OR OUTSIDE OF THE CONTRACT ZONE LIMITS) DAMAGED AND/OR WORN AWAY UNDER THE PERMIT SHALL BE REPAINTED OR RECONSTRUCTED AS DIRECTED BY THE DEPARTMENT OF PUBLIC WORKS.
17.

NO TRENCHING SHALL BE LEFT OPEN FOR MORE THAN FIVE (5) WORKING DAYS.

18.

WHEN WORK INTERFERES WITH A SIDEWALK, THE CONTRACTOR SHALL PROVIDE FOR THE SAFE PASSAGE OF PEDESTRIANS INCLUDING THE DISABLED AROUND OR THROUGH THE WORK AREA.
19.

THE CONTRACTOR SHALL MAINTAIN, TO THE SATISFACTION OF THE DEPARTMENT OF PUBLIC WORKS, THE AREA WORKED WITHIN THE GOVERNMENT RIGHT-OF-WAY INCLUDING ANY REPAIRS TO THE PAVEMENT AND SHOULDER DAMAGED AS A RESULT OF THE INSTALLATION WORK, FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL INSPECTION. THE CONTRACTOR SHALL UNDERTAKE REPAIRS EXPEDITIOUSLY, WHENEVER DIRECTED BY THE DEPARTMENT OF PUBLIC WORKS DURING THE MAINTENANCE PERIOD.

ARCHAEOLOGICAL NOTE

IN THE EVENT THAT A PREVIOUSLY UNKNOWN ARCHAEOLOGICAL FEATURE, HISTORIC PROPERTY, OR HUMAN REMAINS (INCLUDING HUMAN SKELETAL REMAINS, CREMATIONS, CEREMONIAL OBJECTS, FUNERARY OBJECTS, BURIAL GOODS, ETC.) ARE EXPOSED BY CONSTRUCTION, THE CONTRACTOR SHALL CEASE WORK IN THE VICINITY IMMEDIATELY AND NOTIFY THE STATE'S CONSTRUCTION MANAGER, STATE OF HAWAII HISTORIC PRESERVATION DIVISION (SHPD), THE APPROPRIATE MEDICAL EXAMINER OR CORONER, AND THE APPROPRIATE POLICE DEPARTMENT, OF THE DISCOVERY. THE CONTRACTOR SHALL PROTECT THE AREA OF THE REMAINS WITH AN APPROPRIATE MATERIAL. THE CONTRACTOR SHALL COOPERATE WITH THE POLICE OR DEPARTMENT OF LAND AND NATURAL RESOURCES IN THE INVESTIGATION, RECORDING, PRESERVATION, AND SALVAGE.

STANDARD TRAFFIC NOTES (WITHIN COUNTY ROW)

1.

ALL TRAFFIC SIGNS AND PAVEMENT MARKINGS SHALL CONFORM TO THE LATEST AMENDED EDITIONS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", APPLICABLE SECTIONS OF PART 5 OF THE "STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION", DATED SEPTEMBER, 1984, AND THE "2005 HAWAII STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", UNLESS OTHERWISE INDICATED ON THE PLANS, SPECIFICATIONS, OR STANDARD TRAFFIC NOTES.
2.

THE CONTRACTOR SHALL INSTALL PERMANENT OR TEMPORARY PAVEMENT MARKERS, STRIPING AND MARKINGS AS REQUIRED BY SECTION(S) 629 AND 755.05 OF THE "2005 HAWAII STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", AND AS AMENDED. TO ENSURE PROPER LANE WIDTHS AND THE SAFE FLOW OF TRAFFIC, TEMPORARY STRIPING SHALL BE INSTALLED AS CLOSELY AS POSSIBLE TO THE FINAL STRIPING PLAN, BUT NOT IN A MANNER THAT WOULD OBSTRUCT PERMANENT STRIPING LAYOUT OPERATIONS.
- THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL TRAFFIC SIGNS AND MARKINGS FOR ALL PROJECT-RELATED TEMPORARY TRAFFIC CONTROL PLANS. THE CONTRACTOR SHALL COORDINATE AND HIRE SPECIAL DUTY POLICE OFFICER(S) AS NEEDED TO PROVIDE TRAFFIC CONTROL WHILE WORKING WITHIN THE COUNTY RIGHT OF WAY.
3.

THE CONTRACTOR SHALL INFORM THE TRAFFIC DIVISION AT LEAST SIX (6) WORKING DAYS PRIOR TO ANY WORK ON PAVEMENT MARKINGS OPERATIONS AND/OR SIGN INSTALLATIONS TO SCHEDULE A REVIEW AND APPROVAL OF THE STRIPING LAYOUT AND/OR SIGNING PLANS.
4.

ALL PAVEMENT STRIPING SHALL BE WITH ALKYD BASED REFLECTIVE THERMOPLASTIC COMPOUND PAVEMENT MARKING AS SPECIFIED IN SECTION(S) 629 AND 755.05 OF THE HAWAII STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2005 EDITION, AND AS AMENDED, ON ALL ROADWAYS. THE CONTRACTOR SHALL SUBMIT CERTIFICATE OF COMPLIANCE CERTIFYING THAT THE THERMOPLASTIC MATERIALS TO BE USED MEET THE CURRENT AASHTO M-247 (FOR GLASS BEADS) AND AASHTO M-249 (FOR STRIPING) SPECIFICATIONS.
5.

REFLECTORIZED RAISED PAVEMENT MARKERS (RPM'S) SHALL BE REGULAR-SIZED MARKERS WITH APPROXIMATE DIMENSIONS OF 4"x4"x0.7". THE CONTRACTOR SHALL SUBMIT CERTIFICATE OF COMPLIANCE CERTIFYING THAT THE RPM'S TO BE USED MEET OR EXCEED THE CURRENT STATE OF HAWAII, DEPARTMENT OF TRANSPORTATION SPECIFICATIONS.
6.

UPON COMPLETION OF ALL CONSTRUCTION WORK, INCLUDING, BUT NOT LIMITED TO THE FINAL PAVING OF THE ENTIRE PROJECT AREA AND OFF-SITE CONSTRUCTION, THE CONTRACTOR SHALL RESTRIPE ALL PAVEMENT MARKINGS WITHIN AND IN THE VICINITY OF THE CONSTRUCTION AREA AS APPROVED BY THE TRAFFIC DIVISION AND IN ACCORDANCE WITH ITEM 4 ABOVE. THE CONTRACTOR SHALL MAINTAIN ALL TEMPORARY PAVEMENT MARKINGS, PERMANENT PAVEMENT MARKINGS, AND ALL TRAFFIC SIGNS AND POSTS UNTIL THE PROJECT IS ACCEPTED BY THE COUNTY OF HAWAII.
- ALL TRAFFIC SIGNS AND POSTS WITHIN AND IN THE VICINITY OF THE CONSTRUCTION AREA THAT HAVE BEEN DAMAGED, REMOVED, OR ADVERSELY AFFECTED BY THE CONSTRUCTION WORK SHALL BE REPLACED BY THE CONTRACTOR ACCORDING TO ITEMS 7, 8 AND 9 BELOW AT NO COST TO THE COUNTY.
7.

ALL TRAFFIC SIGNS AND POSTS SHALL MEET THE REQUIREMENTS OF THE COUNTY OF HAWAII STANDARD DETAIL T-1 EXCEPT THAT FLANGED CHANNEL POSTS AND OCTAGONAL POSTS WILL NOT BE ACCEPTABLE. SIGNS SHALL BE ON ALUMINUM SHEETING OF 0.080-INCH MINIMUM THICKNESS. SIGN POSTS SHALL BE 2" SQUARE TELES PAR TUBING NO. 20 F 12 OR EQUIVALENT WITH 2 1/4" SQUARE TELES PAR ANCHOR POST.
- FOR ALL COUNTY DEDICATED STREETS, THE CONTRACTOR SHALL PLACE A TRAFFIC DIVISION MAINTENANCE STICKER ON THE BACK OF EACH SINGLE-SIDED SIGN. STICKERS ARE TO BE ACQUIRED AT THE TRAFFIC DIVISION.
8.

ALL TRAFFIC SIGNS SHALL BE HIGH INTENSITY RETROREFLECTIVE SHEETING, WITH TYPE IV FOR REGULATORY, WARNING, AND DIRECTIONAL SIGNS AND TYPE IX (FLUORESCENT YELLOW GREEN SHEETING) FOR PEDESTRIAN, SCHOOL, AND BICYCLE CROSSING SIGNS.
9.

THE 2 1/4" SQUARE ANCHOR POST FOR SIGNS SHALL BE DRIVEN INTO THE GROUND, A.C. PAVEMENT OR CONCRETE SIDEWALK IN ACCORDANCE WITH THE PLANS. ALL DAMAGES TO THE SURROUNDING AREA SHALL BE REPAIRED TO ITS ORIGINAL CONDITION OR BETTER. BEFORE DRIVING INTO CONCRETE, A NEAT HOLE OF APPROXIMATELY 3" DIAMETER SHALL BE DRILLED THROUGH THE CONCRETE PRIOR TO THE INSTALLATION OF THE ANCHOR POST. IF DRIVING INTO THE CONCRETE OR A.C. PAVEMENT IS NOT POSSIBLE WITHOUT DAMAGE TO THE SURROUNDING CONCRETE OR A.C. PAVEMENT, A 12"x12" SQUARE SHALL BE SAW-CUT AND REMOVED PRIOR TO THE INSTALLATION OF THE ANCHOR POST AND THEN PATCHED, WITH HOT MIX TO MATCH THE EXISTING A.C. PAVEMENT, OR CONCRETE TO MATCH THE EXISTING CONCRETE SIDEWALK.

GRADING NOTES

1.

ALL GRADING WORK SHALL BE IN ACCORDANCE WITH CHAPTER 10 - "EROSION AND SEDIMENTATION CONTROL" OF THE HAWAII COUNTY CODE AND AS SHOWN ON THE APPROVED PLAN. SHOULD A GRADING PERMIT BE REQUIRED, NO WORK SHALL COMMENCE UNTIL THE DEPARTMENT OF PUBLIC WORKS (DPW) ISSUES A GRADING PERMIT.
2.

THE CONTRACTOR SHALL REMOVE ALL SILT AND DEBRIS DEPOSITED IN DRAINAGE FACILITIES, ROADWAYS AND OTHER AREAS RESULTING FROM HIS WORK. THE COSTS INCURRED FOR ANY NECESSARY REMEDIAL ACTION BY THE DPW SHALL BE PAYABLE BY THE CONTRACTOR.
3.

THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL KEEP THE PROJECT AND SURROUNDING AREAS FREE FROM DUST NUISANCES. THE WORK SHALL BE IN CONFORMANCE WITH THE AIR POLLUTION CONTROL RULES OF THE STATE DEPARTMENT OF HEALTH, HAR 11-60.1, FUGITIVE DUST.
4.



ALL GRADING OPERATIONS SHALL BE PERFORMED IN CONFORMANCE WITH THE APPLICABLE PROVISIONS OF THE HAWAII ADMINISTRATIVE RULES, TITLE 11, CHAPTER 55, WATER POLLUTION CONTROL AND CHAPTER 54, WATER QUALITY STANDARDS, AND TO THE EROSION AND SEDIMENTATION CONTROL STANDARDS AND GUIDELINES OF THE DEPARTMENT OF PUBLIC WORKS, COUNTY OF HAWAII.
5.

THE CONTRACTOR SHALL INFORM THE DPW OF THE LOCATION OF THE DISPOSAL AND/OR BORROW SITE(S) REQUIRED FOR THIS PROJECT WHEN AN APPLICATION FOR A GRADING PERMIT IS MADE. THE DISPOSAL AND/OR BORROW SITE(S) MUST ALSO FULFILL THE REQUIREMENTS OF THE GRADING ORDINANCE.
6.

NO GRADING WORK SHALL BE DONE ON SATURDAY, SUNDAY AND HOLIDAYS ANYTIME WITHOUT PRIOR APPROVAL FROM THE DEPARTMENT OF PUBLIC WORKS, PROVIDED SUCH GRADING WORK IS ALSO IN CONFORMANCE WITH THE COMMUNITY NOISE CONTROL STANDARDS CONTAINED IN THE HAWAII ADMINISTRATIVE RULES, TITLE 11, CHAPTER 46, "COMMUNITY NOISE CONTROL".

CIVIL DRAWING INDEX:

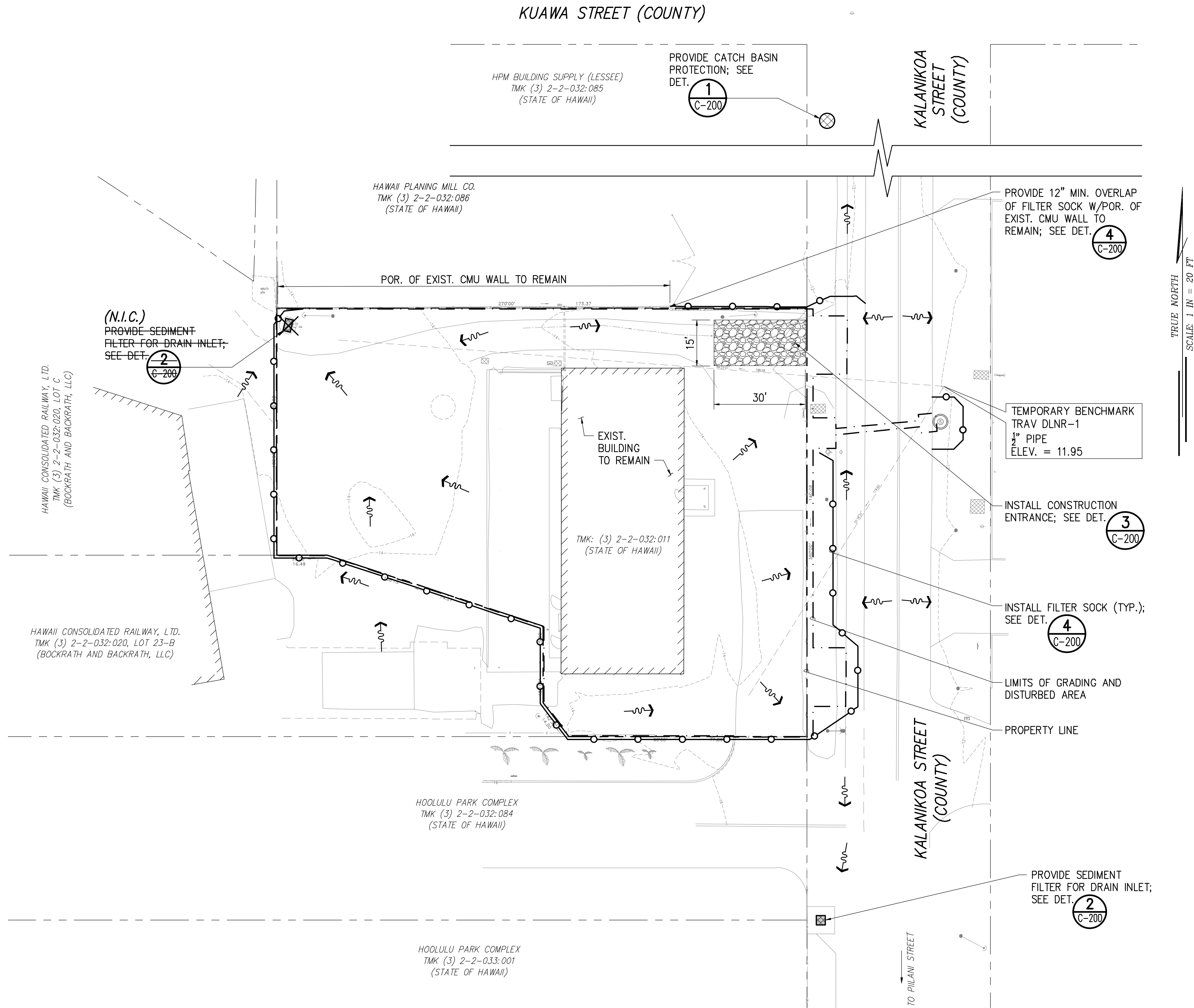
C-001	CIVIL GENERAL NOTES & CIVIL DRAWING INDEX
C-002	CIVIL GENERAL NOTES
C-003	CIVIL GENERAL NOTES & ABBREVIATIONS
C-004	EROSION & SEDIMENT CONTROL PLAN
C-100	SITE & UTILITIES PLAN
C-110	GRADING & DRAINAGE PLAN
C-200	CIVIL DETAILS
C-201	CIVIL DETAILS
C-202	CIVIL DETAILS
C-203	CIVIL DETAILS
C-204	CIVIL DETAILS
C-300	TRAFFIC CONTROL PLAN

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
<div><div><div>YVONNE M. TURPO</div><div>LICENSED PROFESSIONAL ENGINEER</div><div>No. 11144-C</div><div>HAWAII, U.S.A.</div></div><div><div>THE LICENSE EXPIRES APRIL 30, 2024</div><div></div><div>SIGNATURE</div></div><div><div>THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. (OBSERVATION OF CONSTRUCTION AS REQUIRED IN CHAPTER 14-11 OF THE HAWAII ADMINISTRATIVE RULES, DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS ENTITLED PROFESSIONAL ENGINEERS, ARCHITECTS, SURVEYORS AND LANDSCAPE ARCHITECTS.)</div></div></div>		STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION			
		HAWAII DISTRICT LAND OFFICE HILO, HAWAII			
		CIVIL GENERAL NOTES & CIVIL DRAWING INDEX			
		DESIGNED: AA		SUBMITTED: 	
DRAWN: YT		DATE: NOVEMBER 2022			
CHECKED: YT		SCALE: N/A			
APPROVED:		Carty Chang E-signed 2022-11-28 04:17PM HST carty.s.chang@hawaii.gov		DRAWING NO.	
CHIEF ENGINEER		State of Hawaii Chief Engineer		- C-001	

JOB NO. E00BH30A

SHEET NO. 5 OF 77 SHEETS

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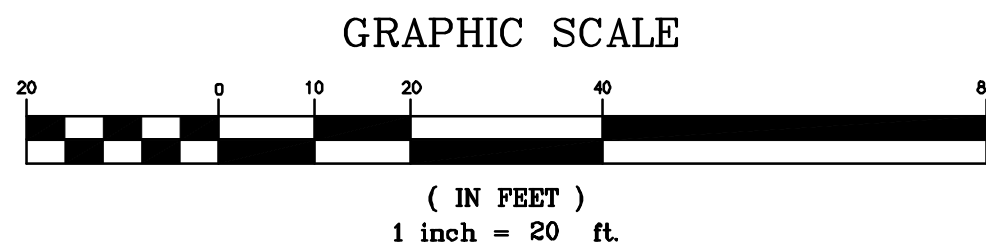


LEGEND:

- | | | | |
|----------------|--------------------------------------|---|------------------------|
| --- | PROPERTY LINE | ☒ | DRAIN INLET PROTECTION |
| - . - . - | LIMITS OF GRADING AND DISTURBED AREA | ⊗ | CATCH BASIN PROTECTION |
| ----- 14 ----- | EXIST. CONTOUR | ▒ | CONSTRUCTION ENTRANCE |
| ○ | FILTER SOCK | → | FLOW DIRECTION |

EROSION & SEDIMENT CONTROL PLAN

SCALE: 1" = 20'



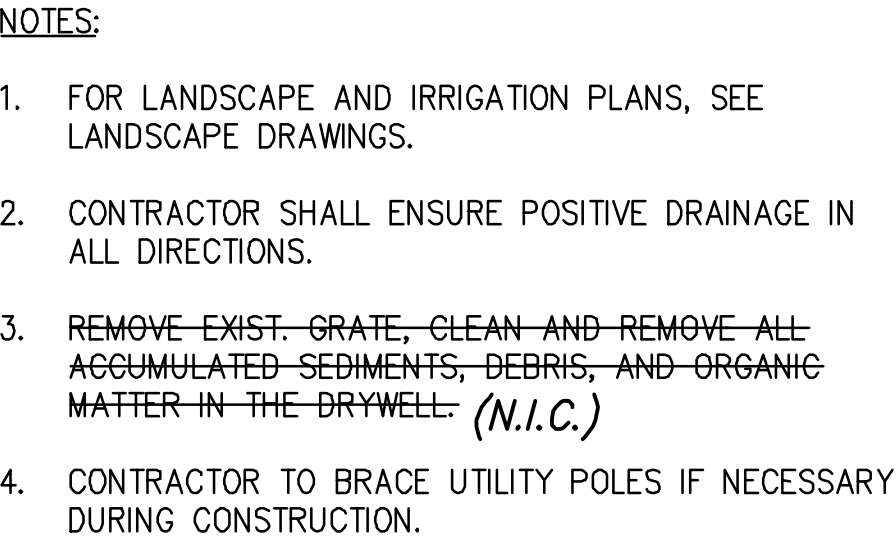
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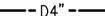
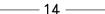
- THE CONTRACTOR, AT THEIR OWN EXPENSE, SHALL KEEP THE PROJECT AREAS AND SURROUNDING AREAS FREE FROM DUST NUISANCE. THE WORK SHALL BE DONE IN CONFORMANCE WITH AIR POLLUTION CONTROL STANDARDS CONTAINED IN HAWAII ADMINISTRATIVE RULES: CHAPTER 11-60, "AIR POLLUTION CONTROL".
- MEASURES TO CONTROL EROSION AND OTHER POLLUTANTS SHALL BE IN PLACE BEFORE ANY CONSTRUCTION IS INITIATED. THESE MEASURES SHALL BE PROPERLY CONSTRUCTED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
- CONTRACTOR SHALL OBSERVE AND COMPLY WITH THE STATE DEPARTMENT OF HEALTH REGULATIONS REGARDING STORMWATER DISCHARGE.
- ALL EROSION CONTROL MEASURES SHALL BE CHECKED AND REPAIRED AS NECESSARY, FOR EXAMPLE, WEEKLY IN DRY PERIODS AND WITHIN TWENTY-FOUR HOURS AFTER ANY RAINFALL OF 0.5 INCHES OR GREATER WITHIN A 24-HOUR PERIOD. DURING AN EVENT OF ABOVE NORMAL RAINFALL, THE CONTRACTOR SHALL REMOVE THE SEDIMENT AND DRAIN INLET FILTER AND REPLACE AFTER THE EVENT HAS PASSED. THE CONTRACTOR SHALL MAINTAIN RECORDS OF ALL CHECKS AND REPAIRS AND A COPY SHALL BE AVAILABLE IN THE FIELD OFFICE.
- INLET PROTECTION SHALL BE IMPLEMENTED AT THE INDICATED DRAIN INLET(S) TO PREVENT ANY SEDIMENT LADEN RUNOFF FROM LEAVING THE SITE. INLET PROTECTION DEVICES SHALL BE REMOVED DURING PERIODS OF ABOVE NORMAL RAINFALL AND REPLACED AFTER THE EVENT HAS PASSED.
- GOOD HOUSEKEEPING SHALL BE UTILIZED TO ENSURE PROTECTION OF ROADWAYS FROM MUD, DIRT, AND DEBRIS.
- THE CONTRACTOR SHALL PROVIDE EROSION CONTROL MEASURES FOR THEIR CONSTRUCTION, STAGING, AND STORAGE AREAS AND SHALL INSPECT AND MONITOR THEIR CONSTRUCTION, STAGING, AND STORAGE AREAS TO ENSURE THAT NON-STORM WATER DISCHARGES ARE EMITTED. IF SUCH SOURCES ARE IDENTIFIED THE CONTRACTOR SHALL PROVIDE IMMEDIATE MITIGATIVE MEASURES.
- CONTRACTOR SHALL INSTALL TEMPORARY FILTER SOCKS AND DRAIN INLET PROTECTION AS SHOWN ON PLAN.
- NO SEDIMENT LADEN RUNOFF SHALL LEAVE THE SITE.
- WATER TRUCKS SHALL BE UTILIZED TO MINIMIZE THE AMOUNT OF AIRBORNE DUST.
- THE FINAL LIFT OF EACH DAYS WORK SHALL BE COMPACTED TO PREVENT EROSION OF FILL MATERIALS.
- THE CONTRACTOR SHALL DISPOSE OF VEGETATION, EQUIPMENT, WASTE CONCRETE AND HYDRAULIC OILS OFF-SITE.
- AT THE END OF CONSTRUCTION, EXISTING DRAIN INLETS SURROUNDING THE PROJECT SITE SHALL BE INSPECTED AND ANY ACCUMULATED SEDIMENT AND DEBRIS FOUND IN THE DRAIN INLETS SHALL BE REMOVED. FLUSHING INTO THE DRAINAGE SYSTEM IS PROHIBITED.
- GRASS SHALL BE ESTABLISHED ON DISTURBED AREAS WHICH ARE AT FINAL GRADE OR WILL NOT BE WORKED FOR LONGER THAN 14 DAYS. ALTERNATIVES TO GRASS INCLUDE EROSION BLANKETS WITH ANCHORS OR 6-MIL PLASTIC SHEETS. PERMANENT GRASSING SHALL BE APPLIED UPON COMPLETION OF GRADING WORK. THE CONTRACTOR SHALL ALSO ESTABLISH COVER OR LANDSCAPE PRIOR TO REMOVING EROSION CONTROL MEASURES.

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION					
HAWAII DISTRICT LAND OFFICE HILO, HAWAII					
EROSION & SEDIMENT CONTROL PLAN					
DESIGNED: AA		SUBMITTED: <i>[Signature]</i>			
DRAWN: YT		DATE: NOVEMBER 2022			
CHECKED: YT		SCALE: 1"=20'			
APPROVED: <i>[Signature]</i>		Carty Chang E-signed 2022-11-28 04:17PM HST carty.s.chang@hawaii.gov State of Hawaii Chief Engineer		DRAWING NO. C-004	


JOB NO. E00BH30A
SHEET NO. 8 OF 77 SHEETS

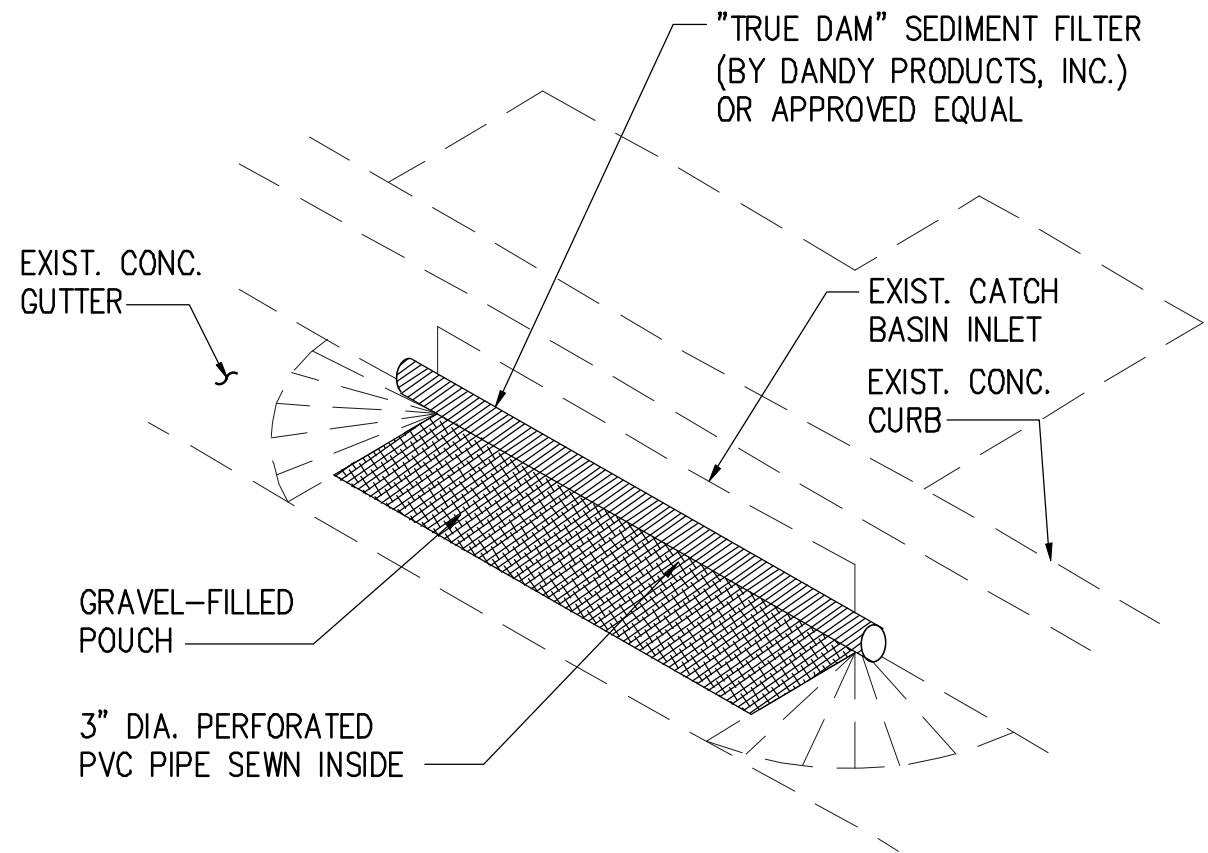




	PROPERTY LINE
	PROJECT LIMITS/LIMITS OF DISTURBANCE
	NEW DRAIN LINE
	NEW CHAIN LINK FENCE
	NEW GRADE CONTOUR
	EXIST. CONTOUR
	SWALE CENTERLINE
	GRADE BREAK
	PROP. SPOT ELEVATION
	EXIST. SPOT ELEVATION
	FLOW DIRECTION
	SLOPE
	AC PAVEMENT
	CONCRETE
	FINISH GRADE
	TOP CURB
	BOTTOM CURB
	TOP OF WALL
	BOTTOM OF WALL
	HIGH POINT
	LOW POINT
	SWALE

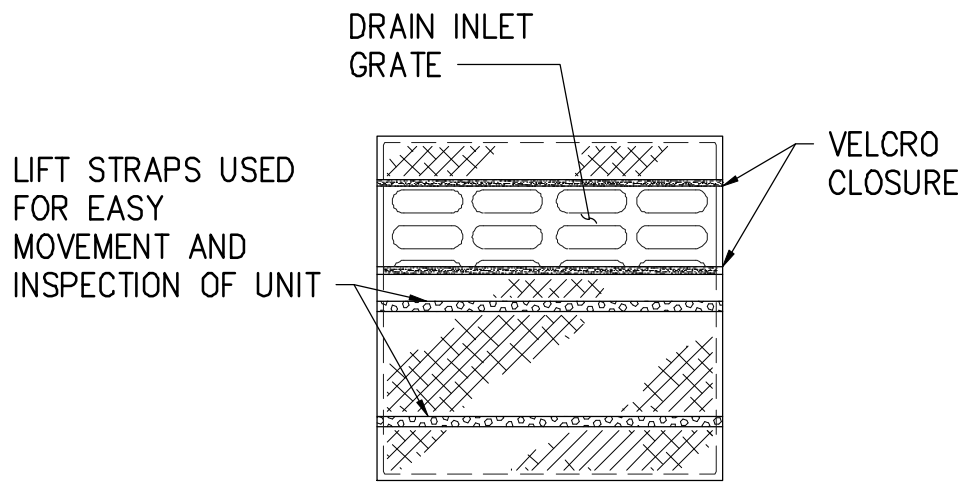
10 0 5 10 20 40
(IN FEET)
1 inch = 10 ft.





- CATCH BASIN PROTECTION NOTES:**
1. CONTRACTOR SHALL INSTALL SEDIMENT FILTER DEVICES AT CATCH BASIN(S) INDICATED TO PREVENT SOIL OR DEBRIS IN ANY FORM FROM ENTERING THE DRAINAGE SYSTEM.
 2. ALL CONTROL MEASURES SHALL BE CHECKED AND REPAIRED AS NECESSARY.
 3. CATCH BASIN PROTECTION DEVICES SHALL BE REMOVED DURING PERIODS OF ABOVE NORMAL RAINFALL THEN REPLACED AFTER THE EVENT HAS PASSED.
 4. AT THE END OF THE PROJECT, EXISTING CATCH BASINS ADJACENT TO THE PROJECT SHALL BE INSPECTED AND ANY ACCUMULATED SEDIMENT AND DEBRIS FOUND IN THE CATCH BASINS SHALL BE REMOVED. FLUSHING INTO THE CATCH BASINS IS PROHIBITED.

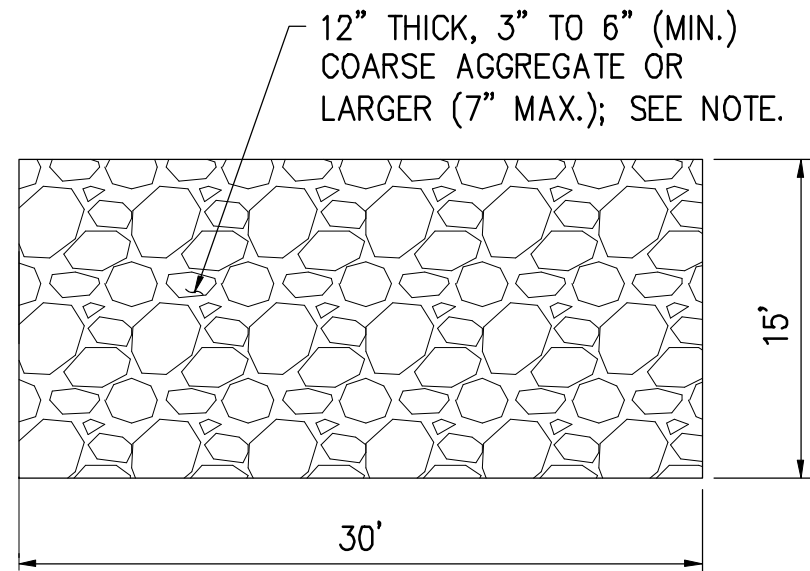
1 CATCH BASIN PROTECTION DETAIL
C-200 NOT TO SCALE



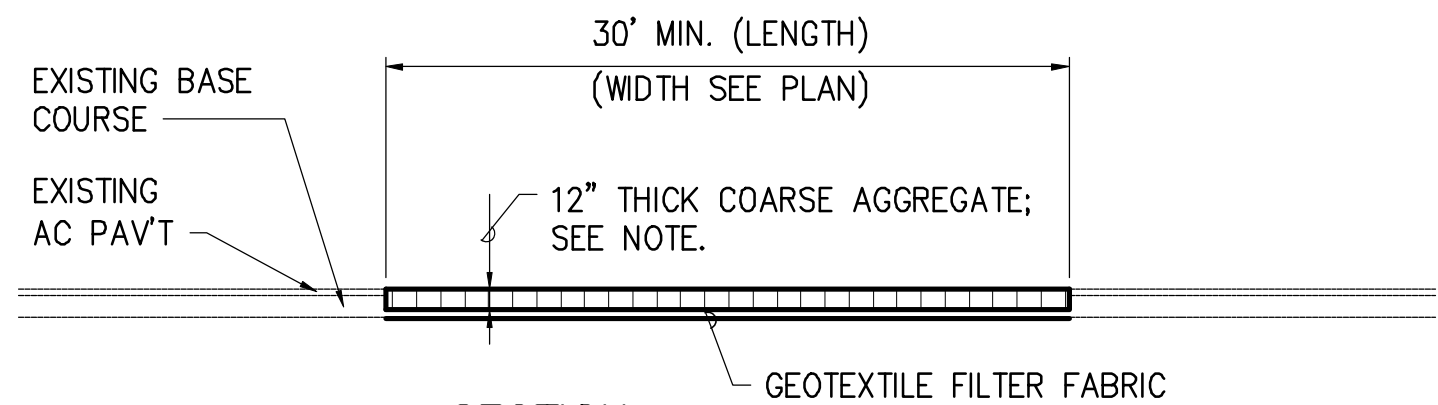
PLAN

SECTION

2 SEDIMENT FILTER FOR DRAIN INLETS
C-200 NOT TO SCALE



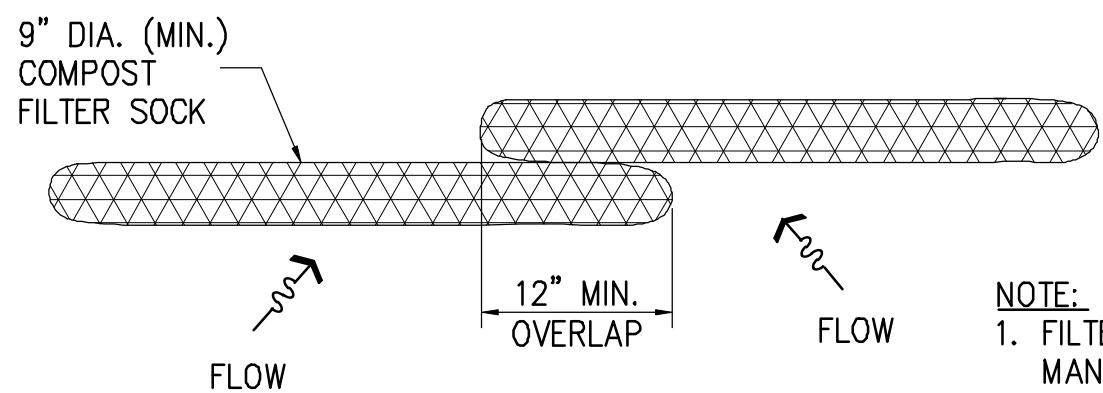
PLAN



SECTION

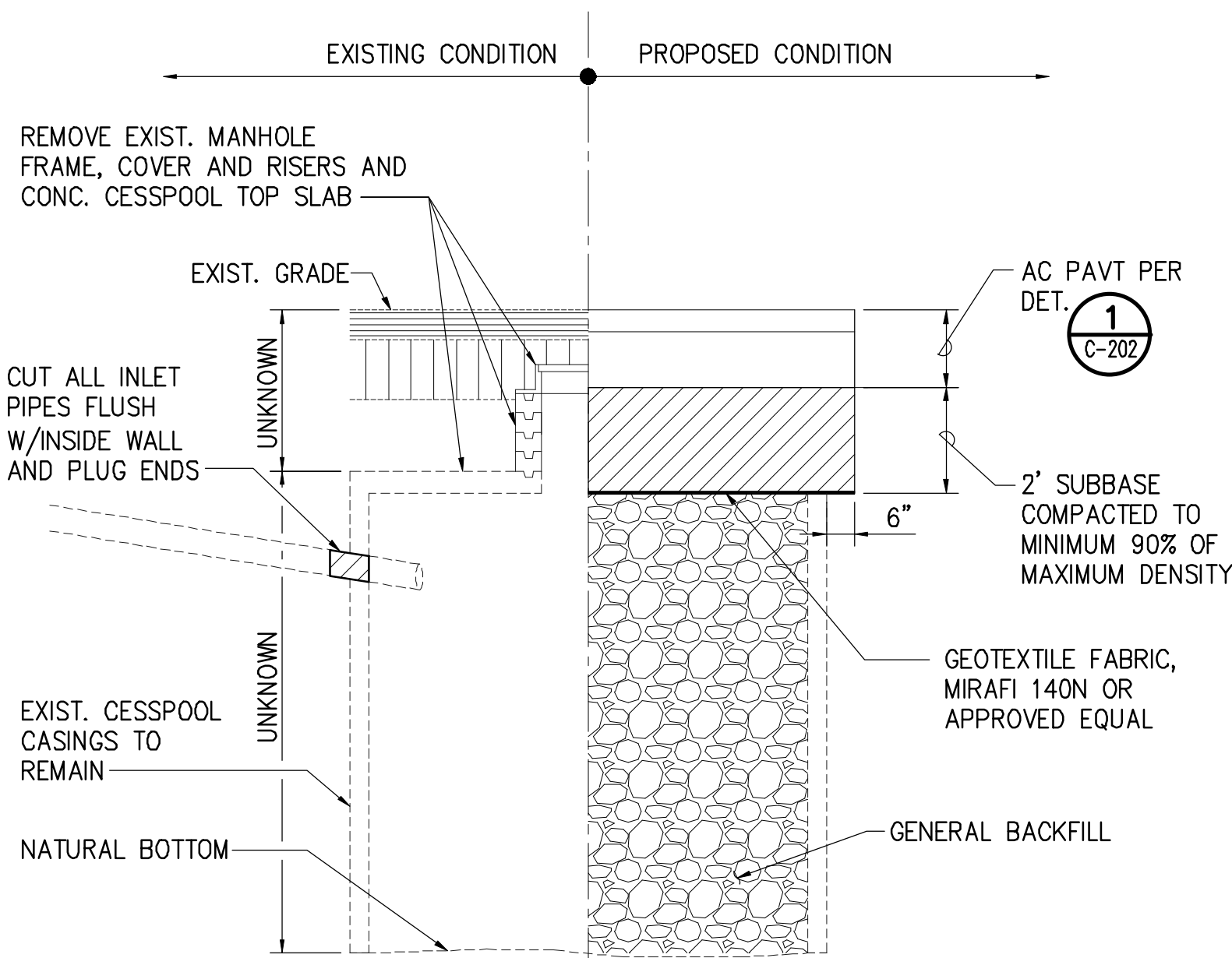
NOTE:
COARSE AGGREGATE LAYER SHALL NOT BE REMOVED TILL IMMEDIATELY PRIOR TO INSTALLATION OF ONSITE ASPHALT PAVEMENT BASE COURSE.

3 CONSTRUCTION ENTRANCE DETAIL
C-200 NOT TO SCALE



- NOTE:**
1. FILTER SOCK SHALL BE MANUFACTURED BY ENVIROTECH BIOSOLUTIONS, OR APPROVED EQUAL, AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
 2. COMPOST SHALL NOT CONTAIN BIOSOLIDS AND SHOULD BE CONSISTENT WITH EPA GUIDELINES.

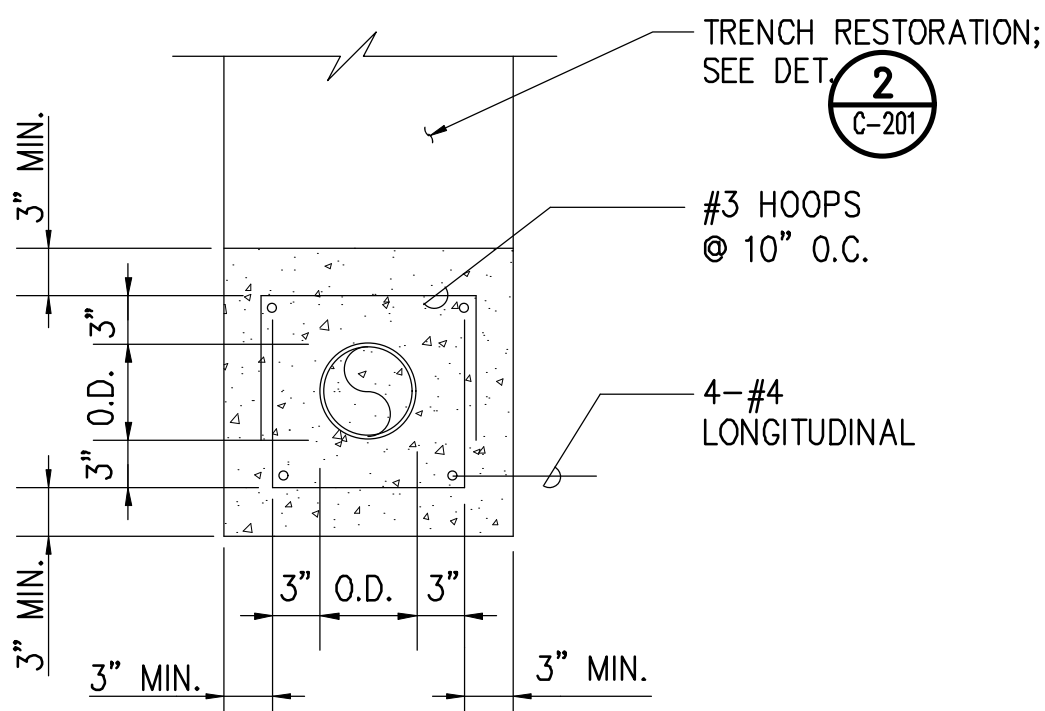
4 FILTER SOCK DETAIL
C-200 NOT TO SCALE



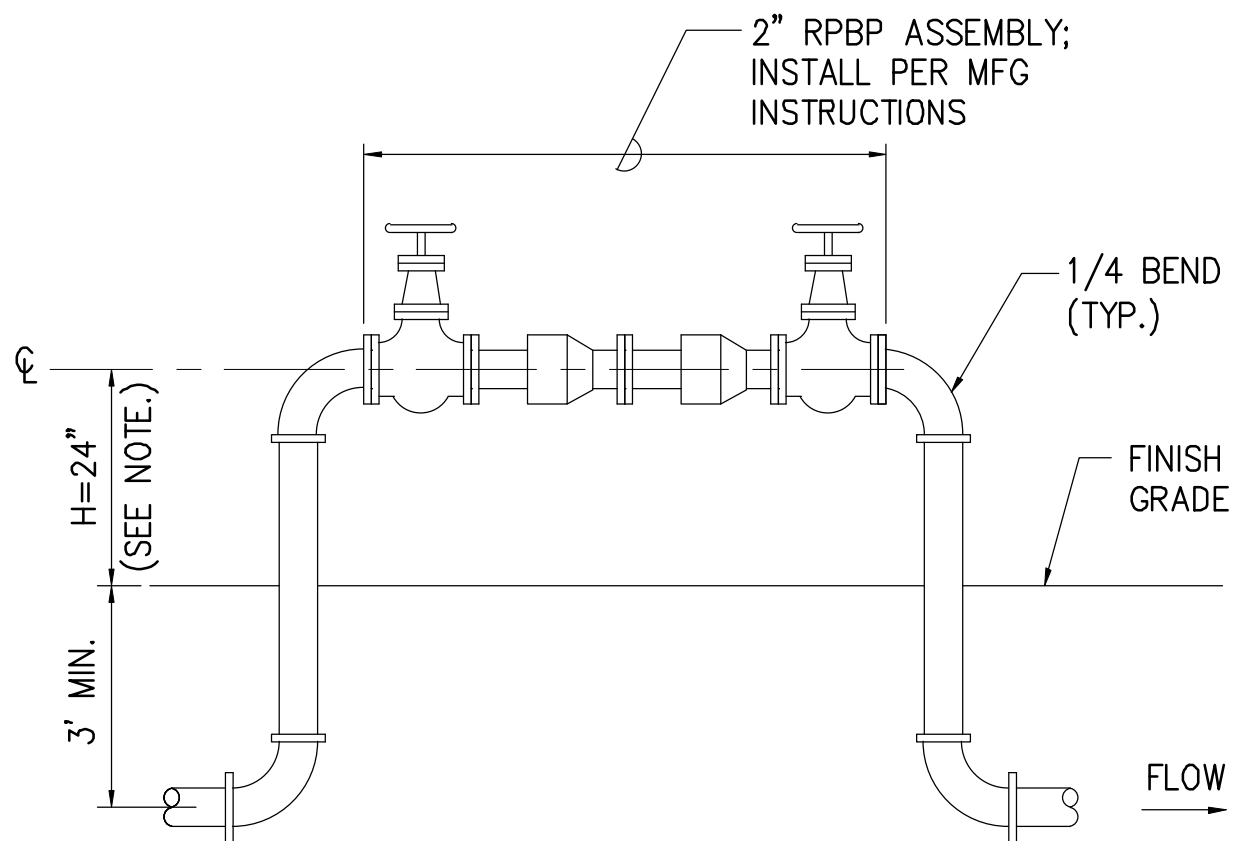
DEDUCTIVE BID NO. 1

5 CESSPOOL CLOSURE DETAIL
C-200 NOT TO SCALE

- CESSPOOL ABANDONMENT/BACKFILLING NOTES:**
1. CUT AND PERMANENTLY SEAL ENDS OF ANY PIPING LEADING TO THE CESSPOOL.
 2. CONTRACTOR SHALL REMOVE THE CONCRETE SLAB WELL COVER INCLUDING THE OVERLYING MANHOLE COVER, BRICKS, AND SOIL MATERIAL TO EXPOSED THE CESSPOOL AND ALL IMPEDIMENTS TO ALLOW FOR THE CLEANING AND COMPLETE BACKFILLING OF THE CESSPOOL.
 3. ALL ACCUMULATED SEDIMENTS, SLUDGE, DEBRIS, AND ORGANIC MATTER SHALL BE REMOVED UNTIL NATURAL GROUND IS EXPOSED AT THE BOTTOM OF THE CESSPOOLS. USE A RIGID POLE OR ROD TO PROBE THAT THE NATURAL BOTTOM IS ACHIEVED. THE CESSPOOLS MUST BE CLEARED TO THEIR ORIGINAL EXCAVATED DEPTH BEFORE BACKFILLING COMMENCES. THE CLEARED DEPTHS SHALL BE FIELD VERIFIED AND RECORDED. CLEARING OF THE CESSPOOLS SHALL BE PERFORMED AT LEAST ONE DAY PRIOR TO ANY BACKFILLING.
 4. ALL SEDIMENTS AND SLUDGE REMOVED SHALL BE DISPOSED OF AT A MUNICIPAL WASTEWATER TREATMENT PLANT WHICH ACCEPTS SUCH MATERIALS.
 5. THE CONTRACTOR SHALL BE HELD RESPONSIBLE TO ENSURE NO LIQUIDS OR SOLIDS FROM THE CESSPOOL ARE DISCHARGED INTO THE GROUND (HAR, SECTION 11-62-06(c)).



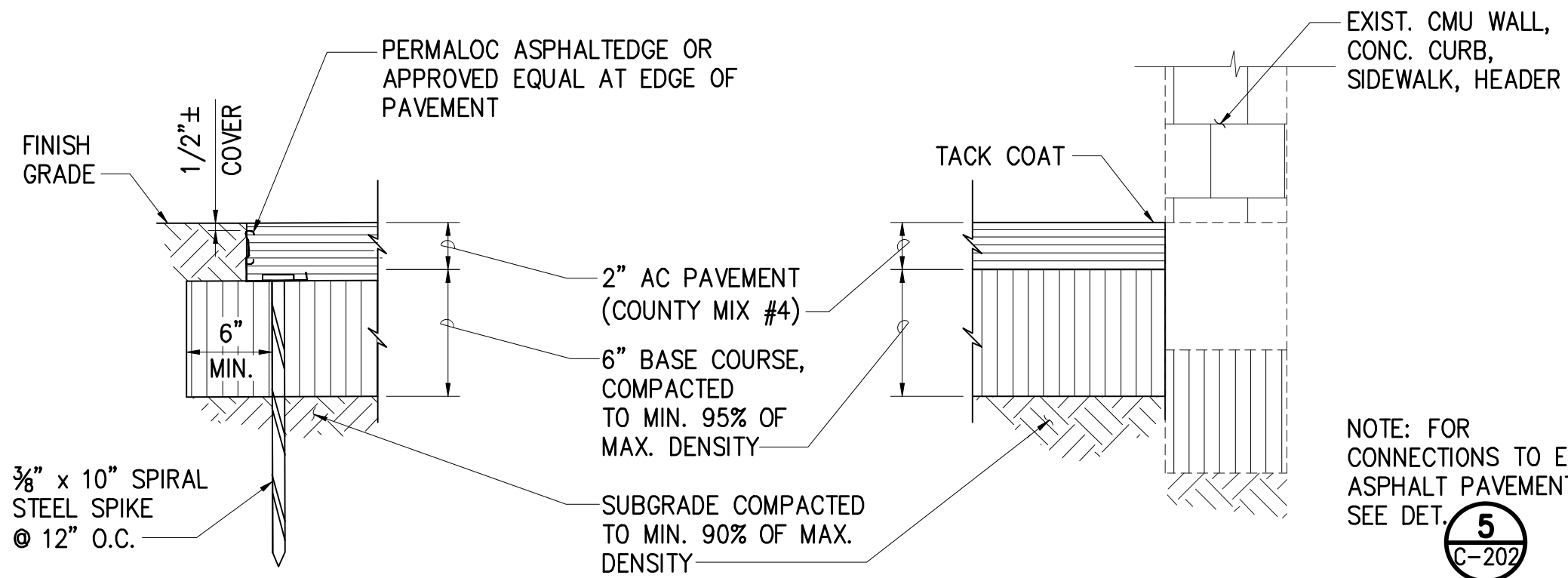
6 CONCRETE JACKET DETAIL
C-200 NOT TO SCALE



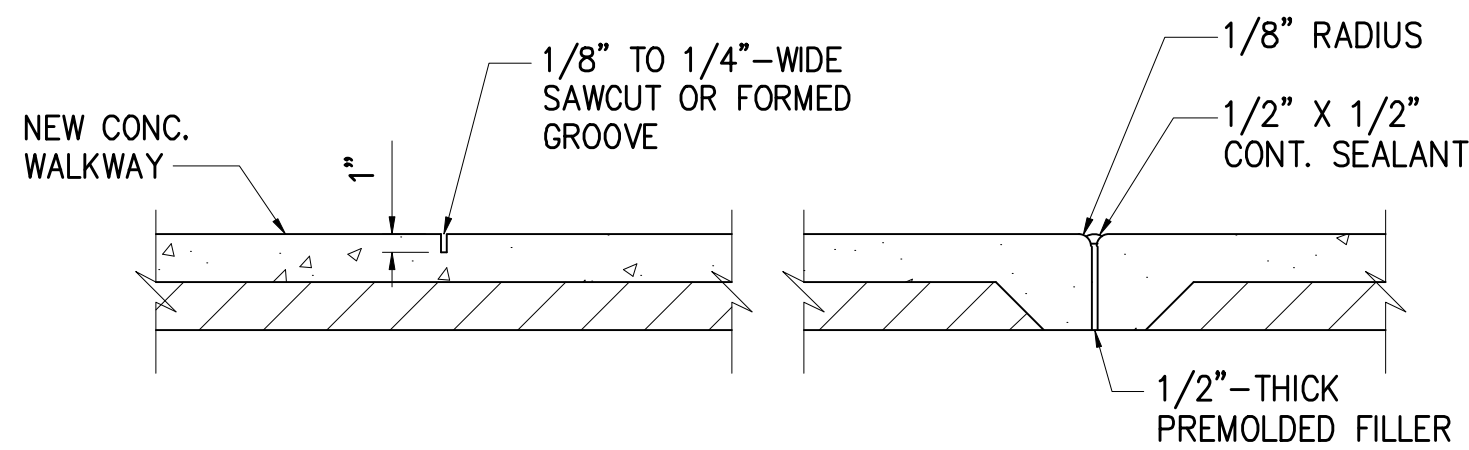
NOTE:
ALSO REFER TO DWS STD. DET. V9.

7 BACKFLOW PREVENTER DETAIL
C-200 NOT TO SCALE

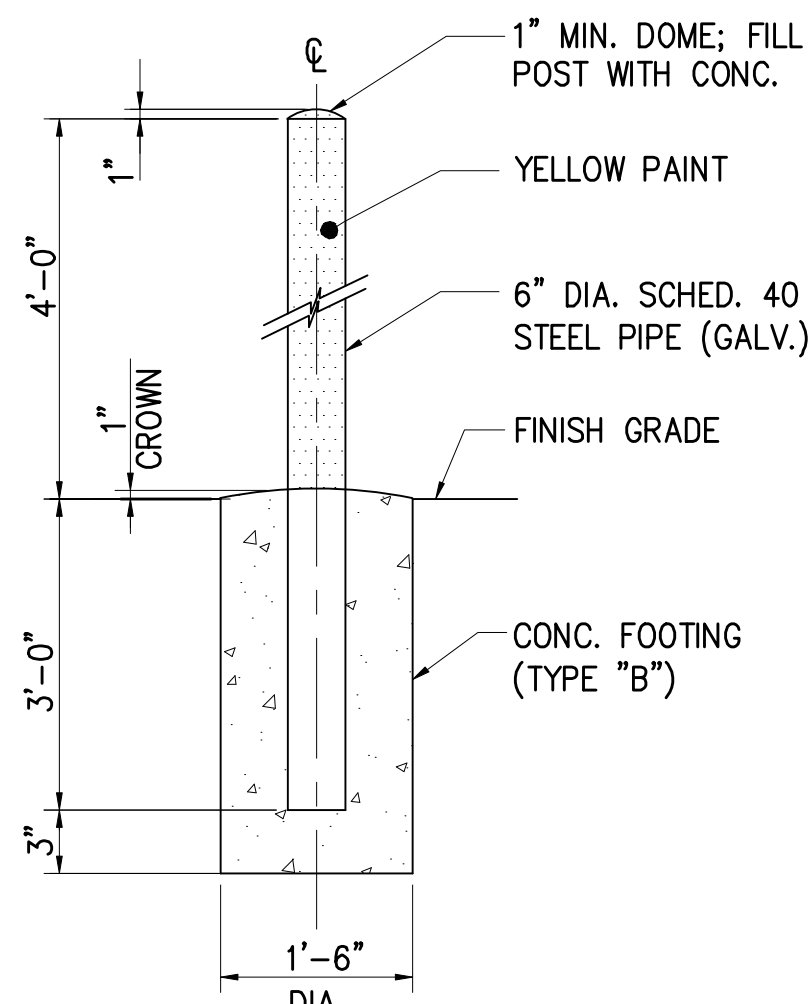
REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION					
HAWAII DISTRICT LAND OFFICE HILO, HAWAII					
CIVIL DETAILS					
DESIGNED: AA		SUBMITTED: <i>[Signature]</i>		DRAWING NO.	
DRAWN: YT		DATE: NOVEMBER 2022		C-200	
CHECKED: YT		SCALE: AS SHOWN			
APPROVED: <i>[Signature]</i>		Carty Chang E-signed 2022-11-28 04:17PM HST carty.s.chang@hawaii.gov State of Hawaii Chief Engineer		DRAFTING NO.	
				SHEET NO. 11 OF 77 SHEETS	



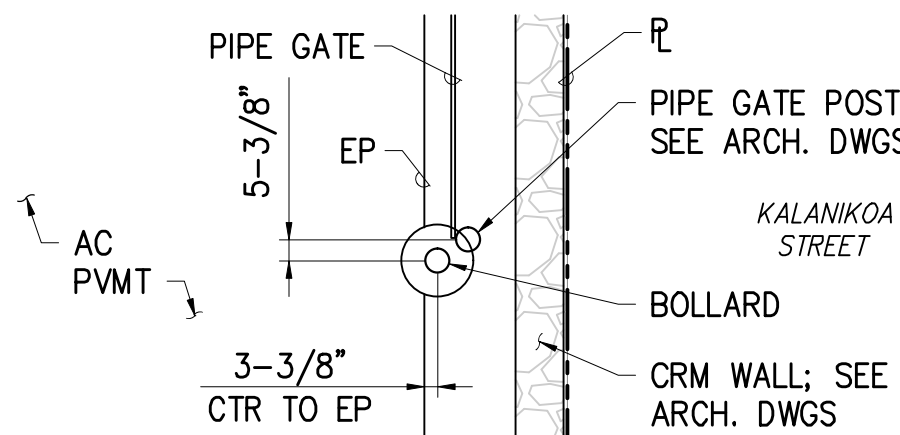
1 A.C. PAVEMENT DETAIL
C-202 NOT TO SCALE



4 CONCRETE JOINT DETAIL
C-202 NOT TO SCALE

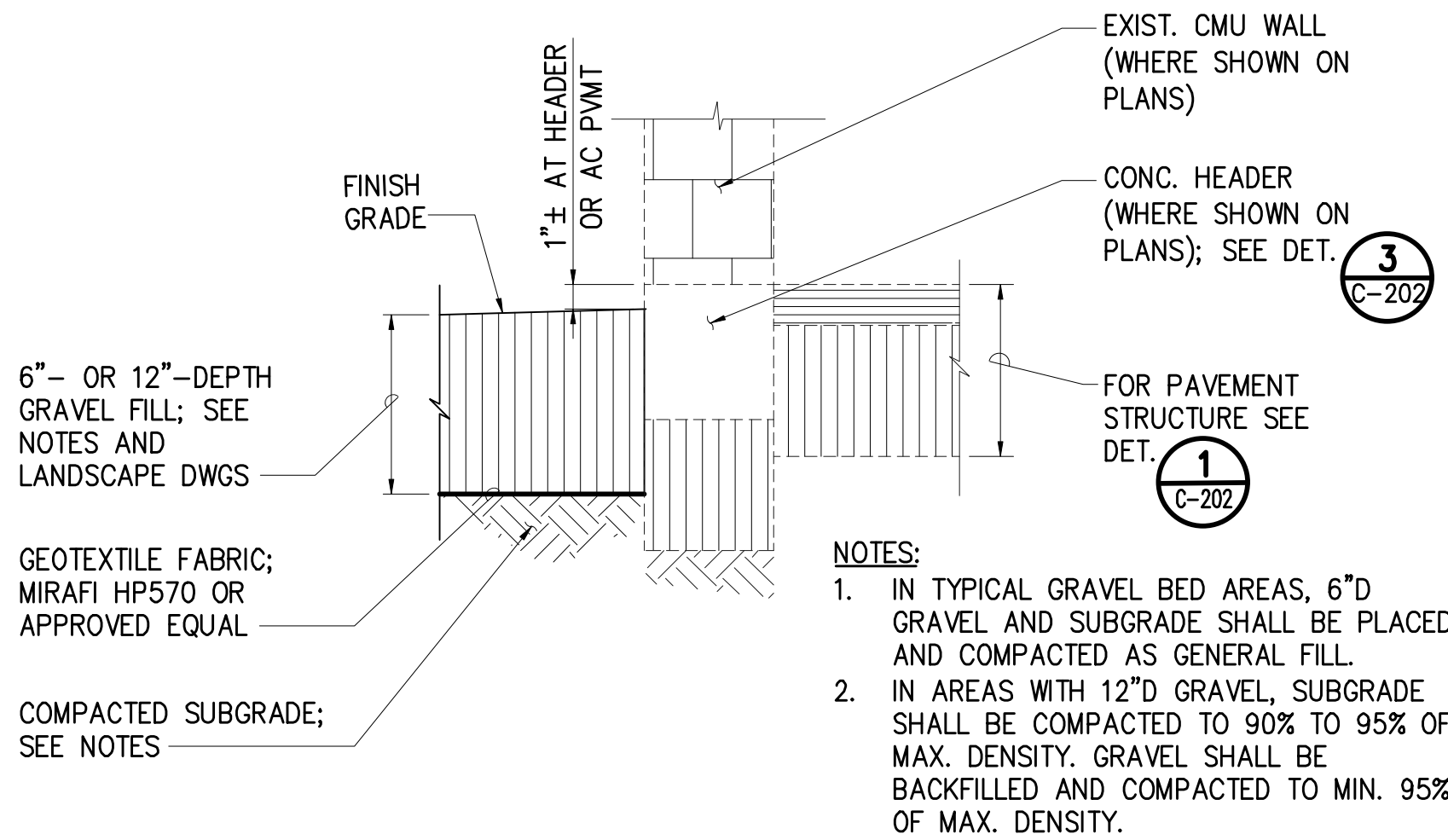


SECTION
NOT TO SCALE

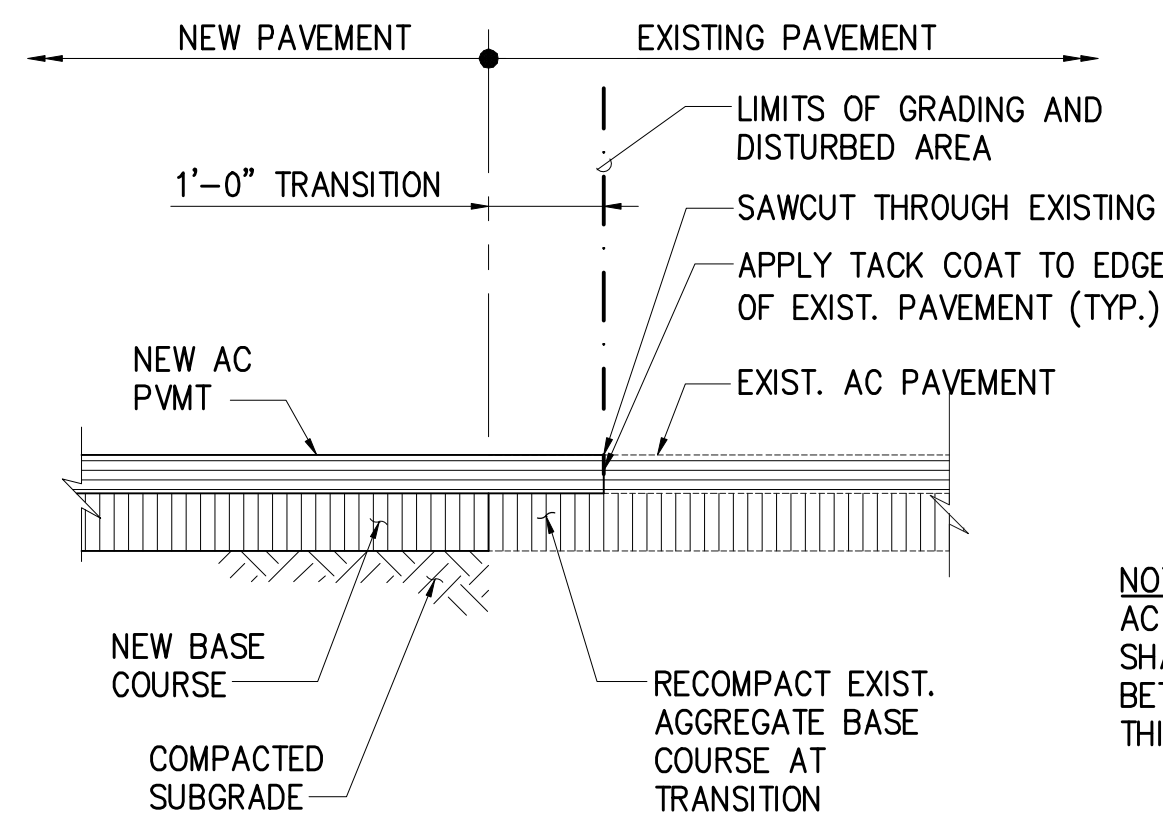


FRONT PARKING BOLLARD PLAN
SCALE: 1/4" = 1'-0"

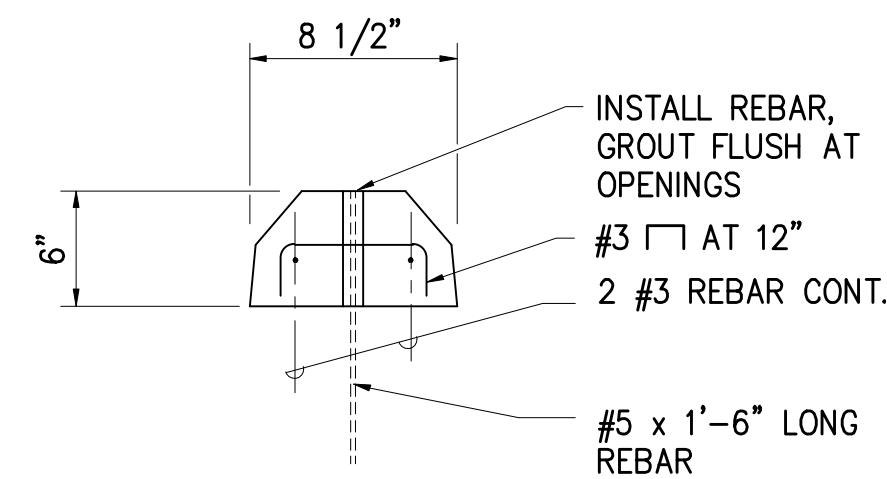
7 BOLLARD DETAIL
C-202 AS NOTED



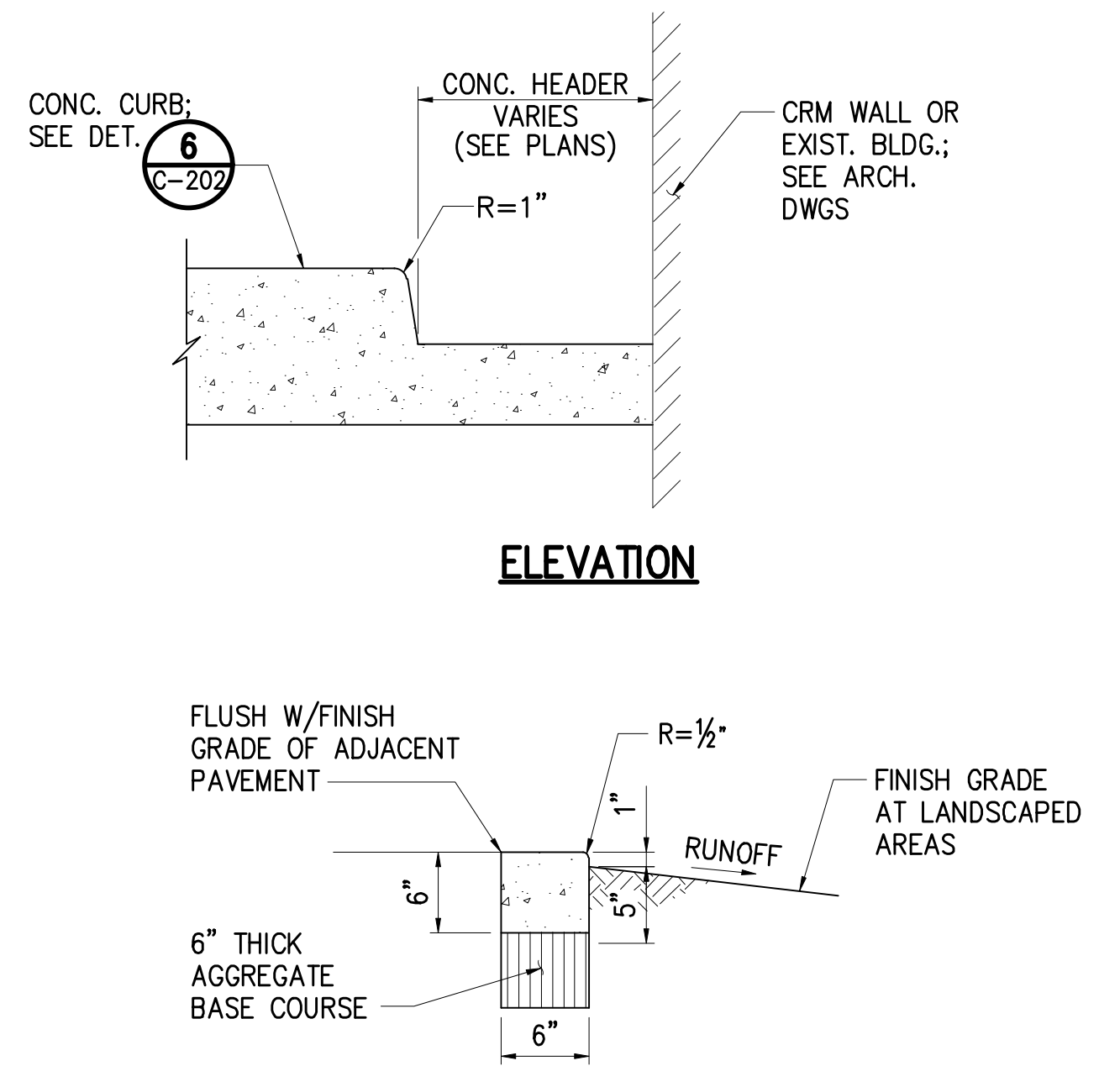
2 GRAVEL BED DETAIL
C-202 NOT TO SCALE



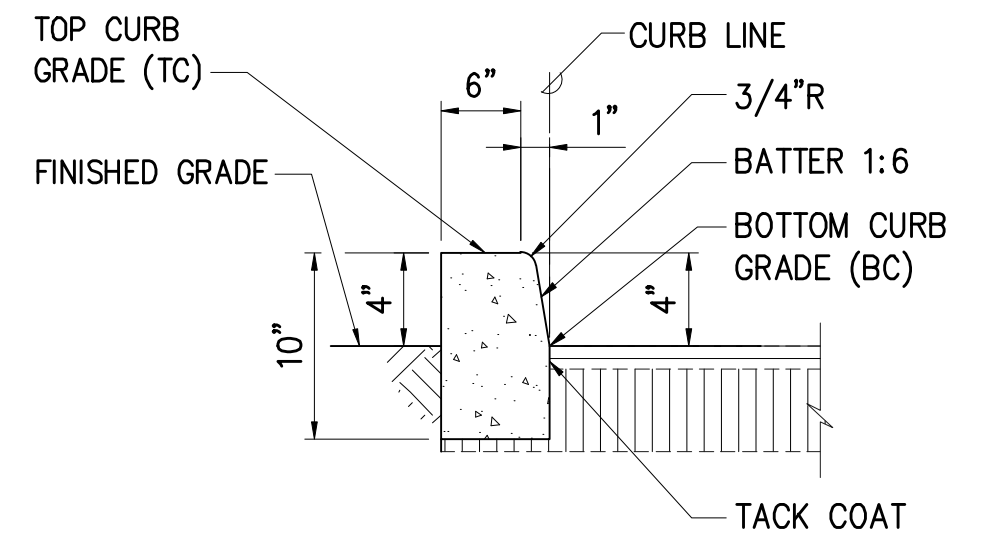
5 SMOOTH RIDING CONNECTION DETAIL
C-202 NOT TO SCALE



SECTION B-B

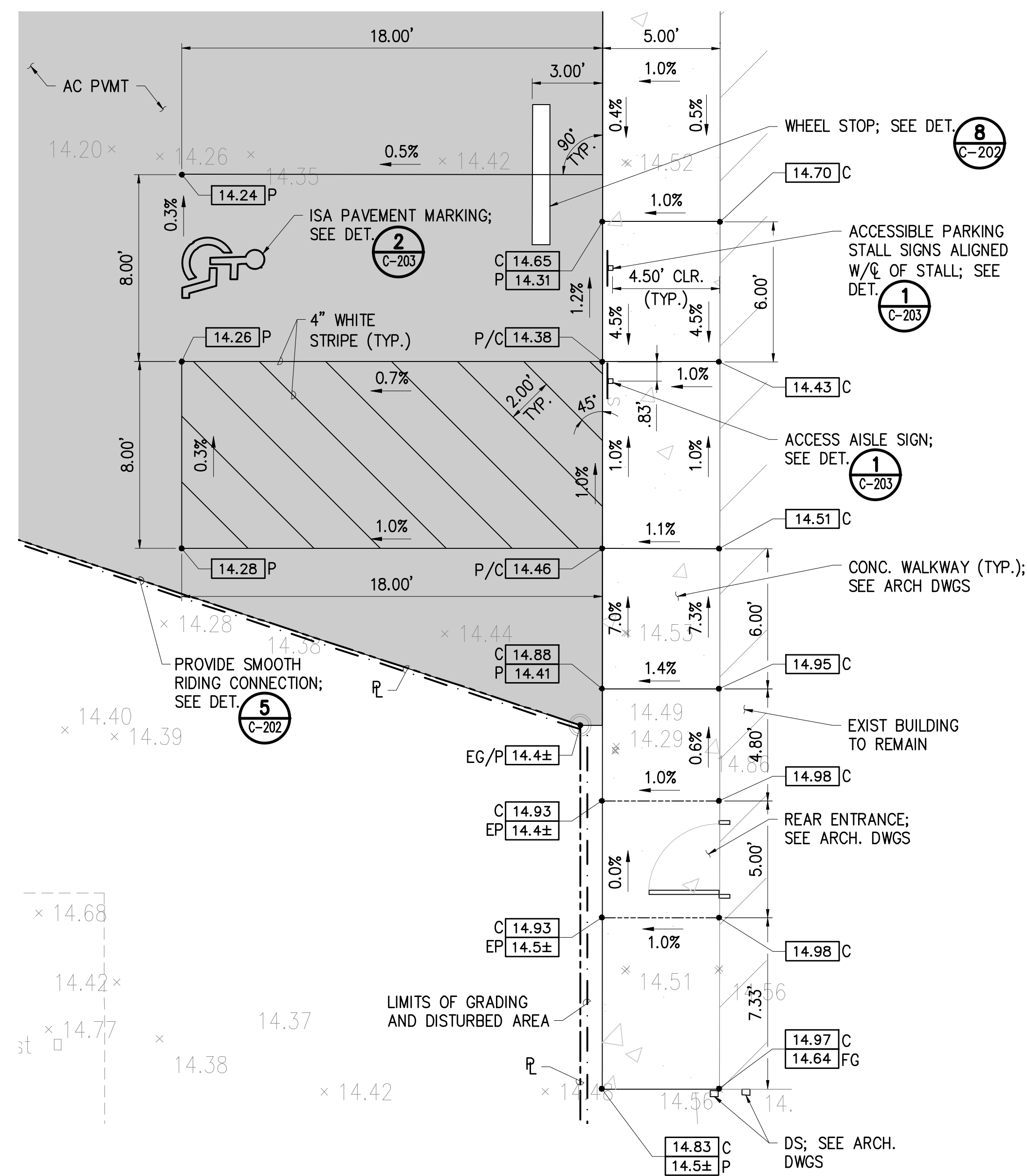


3 CONCRETE HEADER DETAIL
C-202 NOT TO SCALE

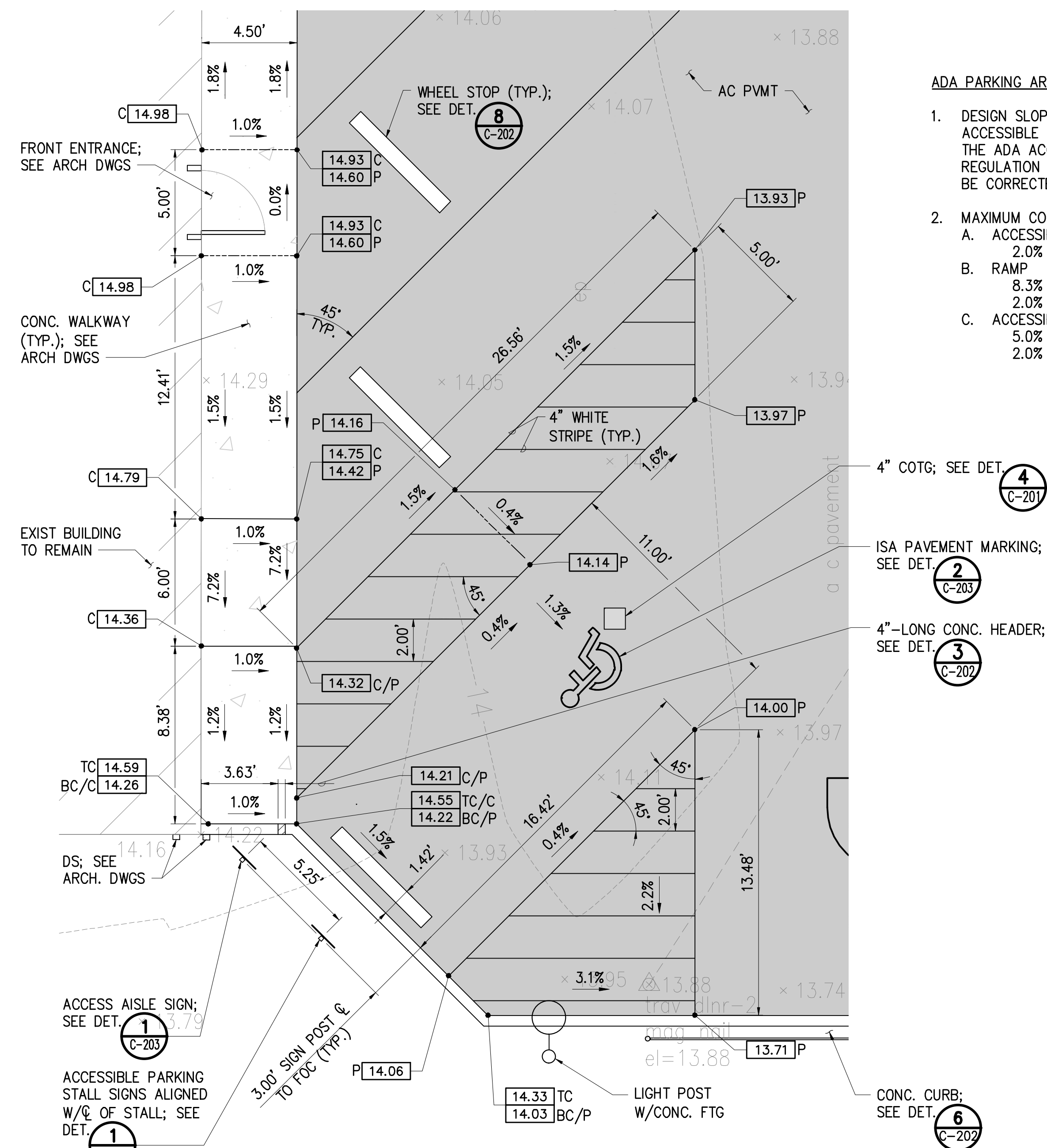


6 CONCRETE CURB DETAIL
C-202 NOT TO SCALE

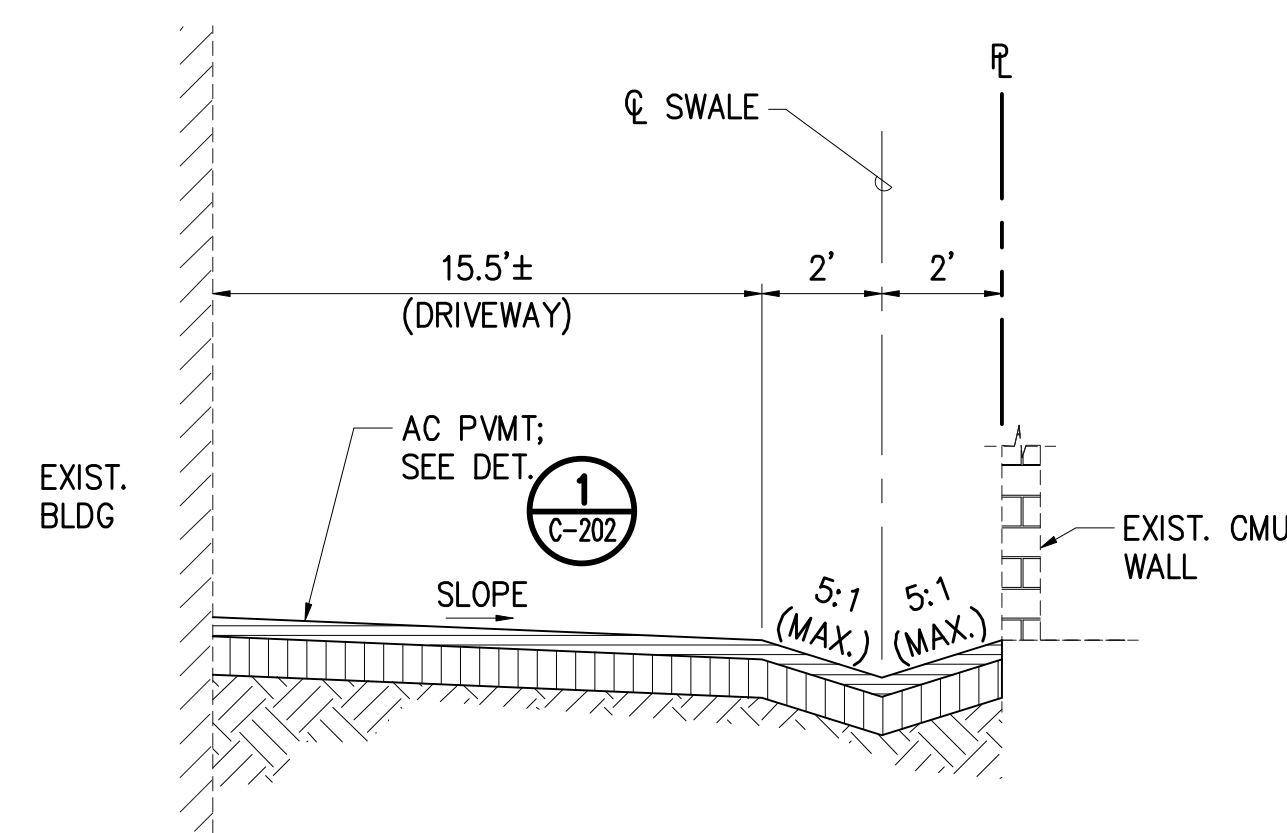
REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION					
HAWAII DISTRICT LAND OFFICE HILO, HAWAII					
CIVIL DETAILS					
DESIGNED: AA		SUBMITTED: [Signature]		DRAWING NO.	
DRAWN: YT		DATE: NOVEMBER 2022		C-202	
CHECKED: YT		SCALE: AS SHOWN			
APPROVED: [Signature]		Carty Chang E-signed 2022-11-28 04:17PM HST carty.s.chang@hawaii.gov State of Hawaii Chief Engineer		DRAFTING NO. [Signature]	



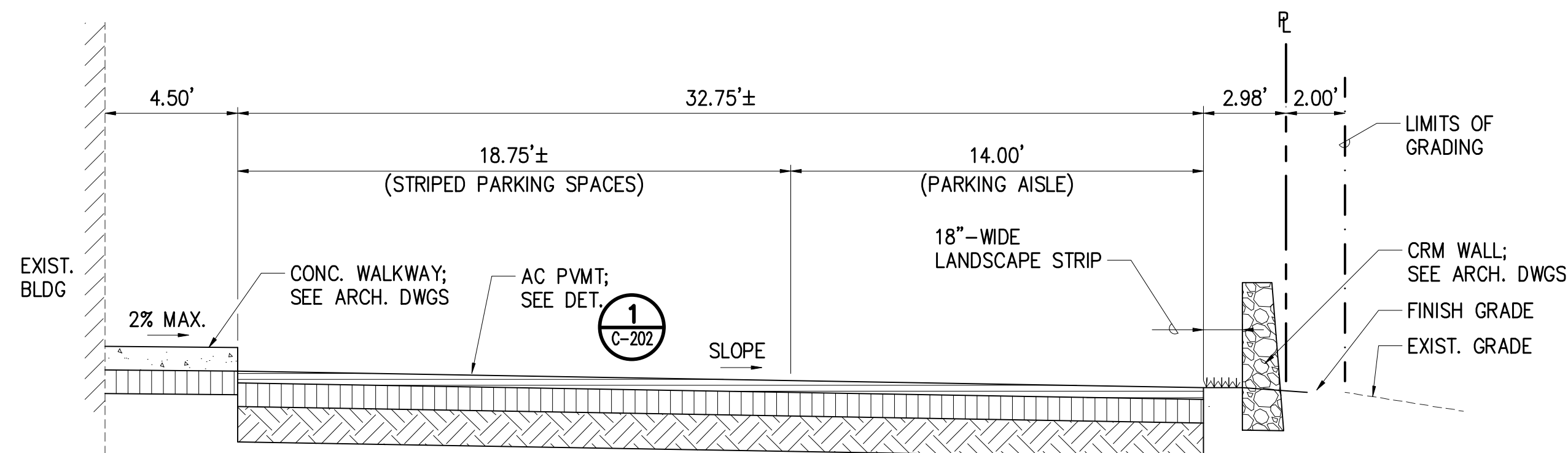
1 REAR ACCESSIBLE PARKING PLAN



2 FRONT ACCESSIBLE PARKING PLAN
C-204 SCALE: 3"=1'



3 DRIVEWAY SECTION
C-204 NOT TO SCALE



4 FRONT PARKING SECTION
C-204 NOT TO SCALE

- ADA PARKING AREA NOTES:
1. DESIGN SLOPE FOR ACCESSIBLE PARKING SPACES, ACCESS AISLES AND ACCESSIBLE ROUTES ARE LESS THAN THE MAXIMUM SLOPES ALLOWED BY THE ADA ACCESSIBILITY GUIDELINES. SLOPES INSTALLED IN EXCESS OF THE REGULATION MAXIMUM WILL BE CONSIDERED DEFECTIVE WORK, AND SHALL BE CORRECTED AT NO ADDITIONAL COST TO THE STATE.
 2. MAXIMUM CONSTRUCTED SLOPES ARE AS FOLLOWS:
 - A. ACCESSIBLE PARKING SPACES, ACCESS AISLES, LANDINGS
2.0% IN ANY DIRECTION
 - B. RAMP
8.3% RUNNING
2.0% CROSS SLOPE
 - C. ACCESSIBLE ROUTE
5.0% RUNNING
2.0% CROSS SLOPE.

REVISION NO.	SYM.		DESCRIPTION		SHT./OF		DATE		APPROVED
<div><div><div>YVONNE M. TURRO</div><div>★</div><div>★</div><div>LICENSED PROFESSIONAL ENGINEER</div><div>No. 11144-C</div><div>HAWAII, U.S.A.</div></div><div><div>THE LICENSE EXPIRES APRIL 30, 2024</div><div><div><div></div></div><div>SEAL</div></div><div><div>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 CHAPTER 16-115 OF THE HAWAII ADMINISTRATIVE RULES, DEPARTMENT OF PROFESSIONAL ENGINEERS, ARCHITECTS, SURVEYORS AND LANDSCAPE ARCHITECTS (LWS).</div></div></div></div>			STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION						
			HAWAII DISTRICT LAND OFFICE						
			HILO, HAWAII						
			CIVIL DETAILS						
			DESIGNED: AA	SUBMITTED: <div><div></div><div></div></div>					
			DRAWN: YT	DATE: NOVEMBER 2022					
			CHECKED: YT	SCALE: AS SHOWN					
<div><div>APPROVED:</div><div>CHIEF ENGINEER</div></div>			Carty Chang E-signed 2022-11-28 04:17PM HST carty.s.chang@hawaii.gov State of Hawaii Chief Engineer						DRAWING NO. C-204
			15 OF 77 SHEETS						

GENERAL NOTES FOR TRAFFIC CONTROL PLAN:

1.

TEMPORARY TRAFFIC CONTROL WORK SHALL BE DONE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES," 2009 EDITION 4 REVISION 1 AND 2 INCORPORATED, DATED MAY 2012, AS AMENDED.
2.

THE CONTRACTOR SHALL PROVIDE, INSTALL, AND MAINTAIN ALL NECESSARY SIGNS AND OTHER PROTECTIVE FACILITIES IN CONFORMANCE WITH THE HAWAII ADMINISTRATIVE RULES 19-129 "USE OF TRAFFIC CONTROL DEVICES AT WORK SITES ON OR ADJACENT TO PUBLIC STREET AND HIGHWAYS".
3.

THE PERMITTEE SHALL MAKE MINOR ADJUSTMENTS AT INTERSECTIONS, DRIVEWAYS, BRIDGES, STRUCTURES, ETC., TO FIT FIELD CONDITIONS.
4.

CONES OR DELINEATORS SHALL BE EXTENDED TO A POINT WHERE THEY ARE VISIBLE TO APPROACHING TRAFFIC.
5.

TRAFFIC CONTROL DEVICES SHALL BE INSTALLED SUCH THAT THE SIGN OR DEVICE FARTHEST FROM THE WORK AREA IS PLACED FIRST. THE OTHERS SHALL THEN BE PLACED PROGRESSIVELY TOWARD THE WORK AREA.
6.

REGULATORY AND WARNING SIGNS WITHIN THE CONSTRUCTION ZONE THAT ARE IN CONFLICT WITH THE TRAFFIC CONTROL PLANS SHALL BE REMOVED OR COVERED.
7.

FLAGGERS AND/OR POLICE OFFICERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THE CONTRACTOR SHALL COORDINATE AND HIRE SPECIAL DUTY POLICE OFFICER(S) AS NEEDED TO PROVIDE TRAFFIC CONTROL WHILE WORKING WITHIN THE COUNTY RIGHT OF WAY.
8.

WHEN REQUIRED BY THE ISSUING OFFICE, THE PERMITTEE SHALL INSTALL A FLASHING ARROW SIGNAL AS SHOWN ON THE TRAFFIC CONTROL PLANS.
9.

ALL TRAFFIC LANES SHALL BE A MINIMUM OF 10 FEET WIDE.
10.

ALL CONSTRUCTION WARNING SIGNS SHALL BE PROMPTLY REMOVED OR COVERED WHENEVER THE MESSAGE IS NOT APPLICABLE OR NOT IN USE.
11.

THE BACKS OF ALL SIGNS USED FOR TRAFFIC CONTROL SHALL BE APPROPRIATELY COVERED TO PRECLUDE THE DISPLAY OF INAPPLICABLE SIGN MESSAGES (I.E., WHEN SIGNS HAVE MESSAGES ON BOTH FACES).
12.

LANE CLOSURE SHALL BE LIMITED ONLY TO THE EXTENT OF ACCOMPLISHING EACH DAY'S WORK. AS SOON AS EACH DAY'S WORK IS COMPLETED, THE PERMITTEE SHALL REMOVE ALL TRAFFIC CONTROL DEVICES NO LONGER NEEDED TO PERMIT FREE AND SAFE PASSAGE OF PUBLIC TRAFFIC. REMOVAL SHALL BE IN THE REVERSE ORDER OF INSTALLATION. EXISTING FADED OR OBLITERATED PAVEMENT MARKINGS THAT ARE NECESSARY FOR SAFE TRAFFIC FLOW IN THE CONSTRUCTION AREA SHALL BE REPLACED WITH TEMPORARY OR PERMANENT MARKINGS BEFORE OPENING THE ROADWAY TO PUBLIC TRAFFIC EACH DAY.
13.

PERMANENT PAVEMENT MARKINGS AND TRAFFIC SIGNS SHALL BE REPLACED UPON COMPLETION OF EACH PHASE OF WORK.
14.

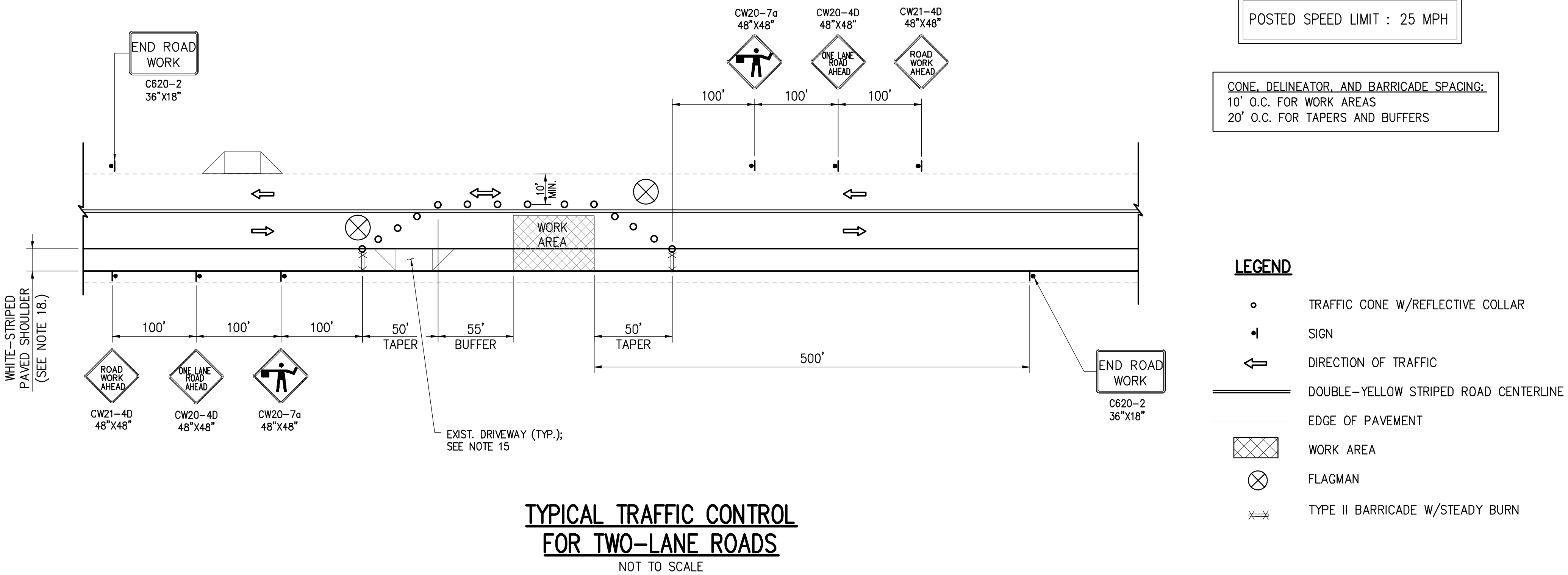
CONES AND DELINEATORS SHALL BE SPACED AT A MAXIMUM DISTANCE OF 20 FEET APART. A MINIMUM OF SIX CHANNELIZING DEVICES SHALL BE USED FOR EACH TAPER LENGTH.
15.

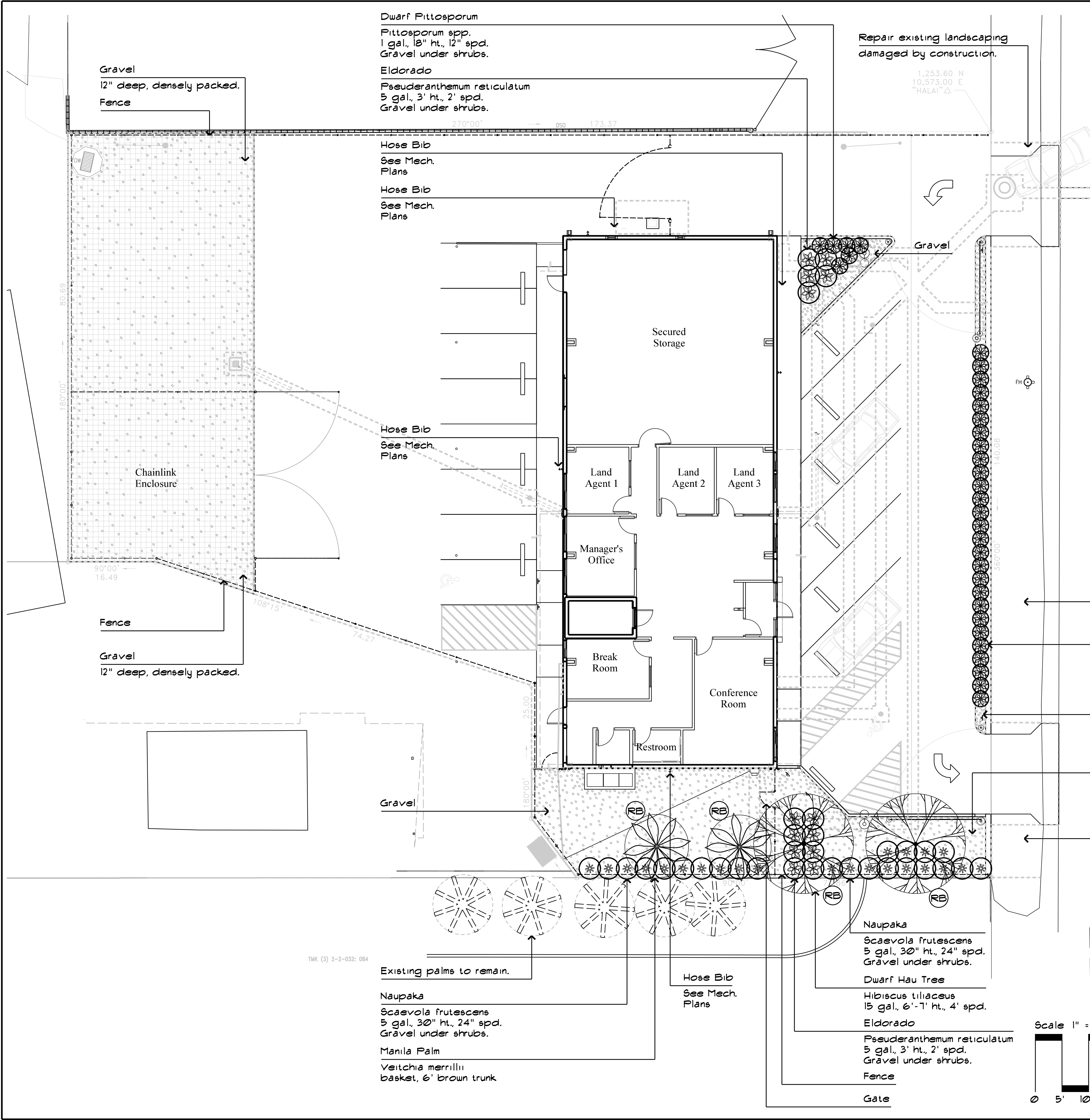
DRIVEWAYS SHALL BE KEPT OPEN UNLESS THE OWNERS OF THE PROPERTY USING THE RIGHT-OF-WAY ARE OTHERWISE PROVIDED FOR SATISFACTORILY. FURTHER, THE PERMITTEE SHALL CONTROL TRAFFIC GOING IN AND OUT OF DRIVEWAYS.
16.

BUFFER AND TAPER AREAS ON APPROACH TO ANY WORK AREA SHALL BE KEPT CLEAR OF VEHICLES AND EQUIPMENT.
17.

TRAFFIC CONTROL PLANS ARE APPROVED FOR WORK ON ANY COUNTY STREET AREA BETWEEN THE HOURS OF 8:30 A.M. AND 3:30 P.M. FOR NORMAL WORK HOURS MONDAY THROUGH FRIDAY.
18.

WHERE PAVED SHOULDERS EXIST, MAINTAIN A MINIMUM 36-INCH WIDE CLEAR ACCESSIBLE ROUTE IN ACCORDANCE WITH AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES SECTION 4.3.





Landscape Notes

- 1 - Verify and be aware of all utilities during all phases of work. See civil, architectural, electrical, and mechanical drawings.
- 2 - Coordinate all work with the General Contractor.
- 3 - Topsoil and Backfill Mix shall be from 'Soil Plus'. 30% black cinder, 40% soil, and 30% well aged macnut husk. Soil shall test at 6.5-6.8 pH. Provide soil pH report.
- 4 - Install 12" min. of topsoil over all planting areas (tree and shrub areas). Landscape Contractor shall be responsible for grading of subgrade to allow for 12" of topsoil.
- 5 - Verify all plant materials with the Landscape Architect prior to purchasing.
- 6 - Landscape Contractor shall provide for a 120 day maintenance period. Plants shall be maintained in a manner conducive to thier health and growth.
- 7 - Trim all trees and palms during construction and during and at the end of the maintenance period. Trim palms to remove dead or broken fronds and fruit during construction.
- 8 - All trees shall be planted with top of root balls 1"-2" above finish grade of surrounding area. Verify that actual top of rootball is where top of roots are attached to trunk, scrape back soil on every tree or shrub to verify before planting.
- 9 - Gravel shall be 'blue rock', 1" dia., no fines, 6" layer. Gravel within and adjacent to the chainlink enclosure shall be 12" deep, densely packed gravel bed. Coordinate grading of subgrade with the General Contractor. Verify gravel with the Landscape Architect prior to purchasing.
- 10- All plant material shall be free of Coqui Frog infestation. It is the responsibility of the Landscape Contractor to monitor and remove all Coqui Frogs from the site during the landscape installation and maintenance period.
- 11 - Provide temporary irrigation hook-up and a temporary irrigation system to establish all landscape planting. Coordinate with General Contractor to have a temporary irrigation hook-up. Provide a approved backflow prevention device for the temporary irrigation system. Temporary irrigation to be removed at the completion of the formal maintenance period.
- 12- Install 'Deeproot' root barriers or approved equal, 36" height, on all trees or palms with conflicts with utility lines. Follow manufacturer's installation instructions.
- 13- Install 'Deeproot' root barriers or approved equal, 36" height on all trees or palms labeled with (RB). Follow manufacturer installation instructions.
- 14- Repair existing landscaping damaged by construction. Landscape Contractor shall be responsible for restoring right-of-way landscaping to original or better condition.

Repair existing landscaping damaged by construction.

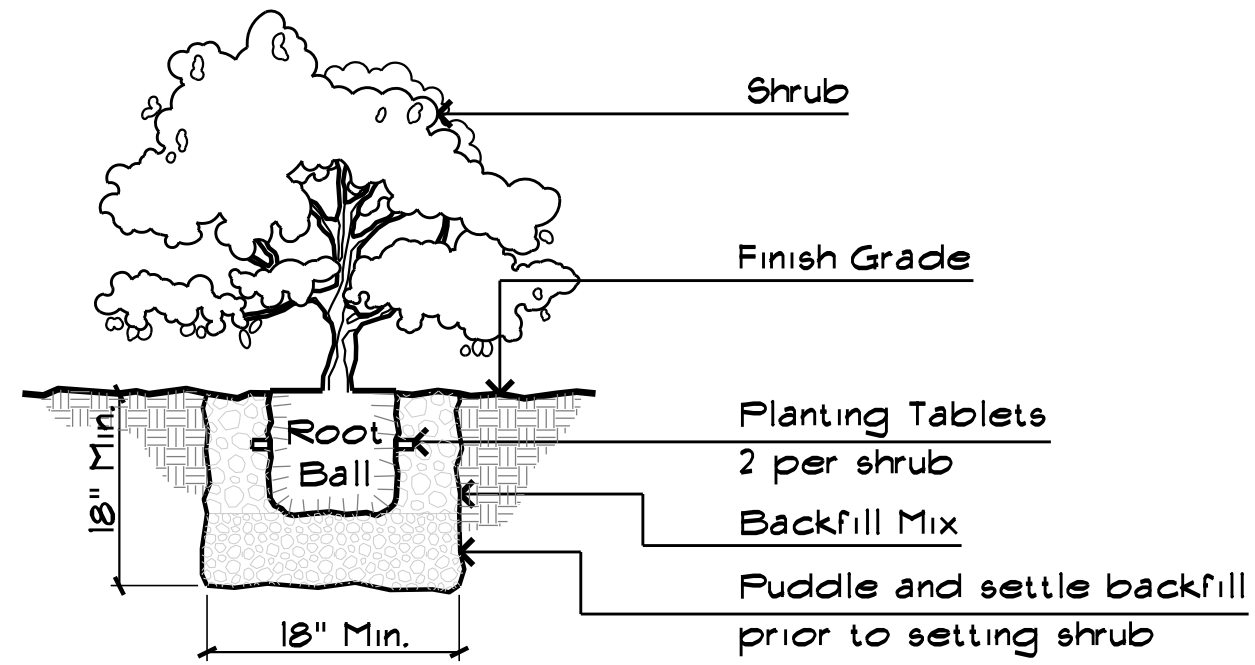
Dwarf Pittosporum
Pittosporum spp.
1 gal., 18" ht., 12" spd.
Gravel under shrubs.

Gravel

Gravel

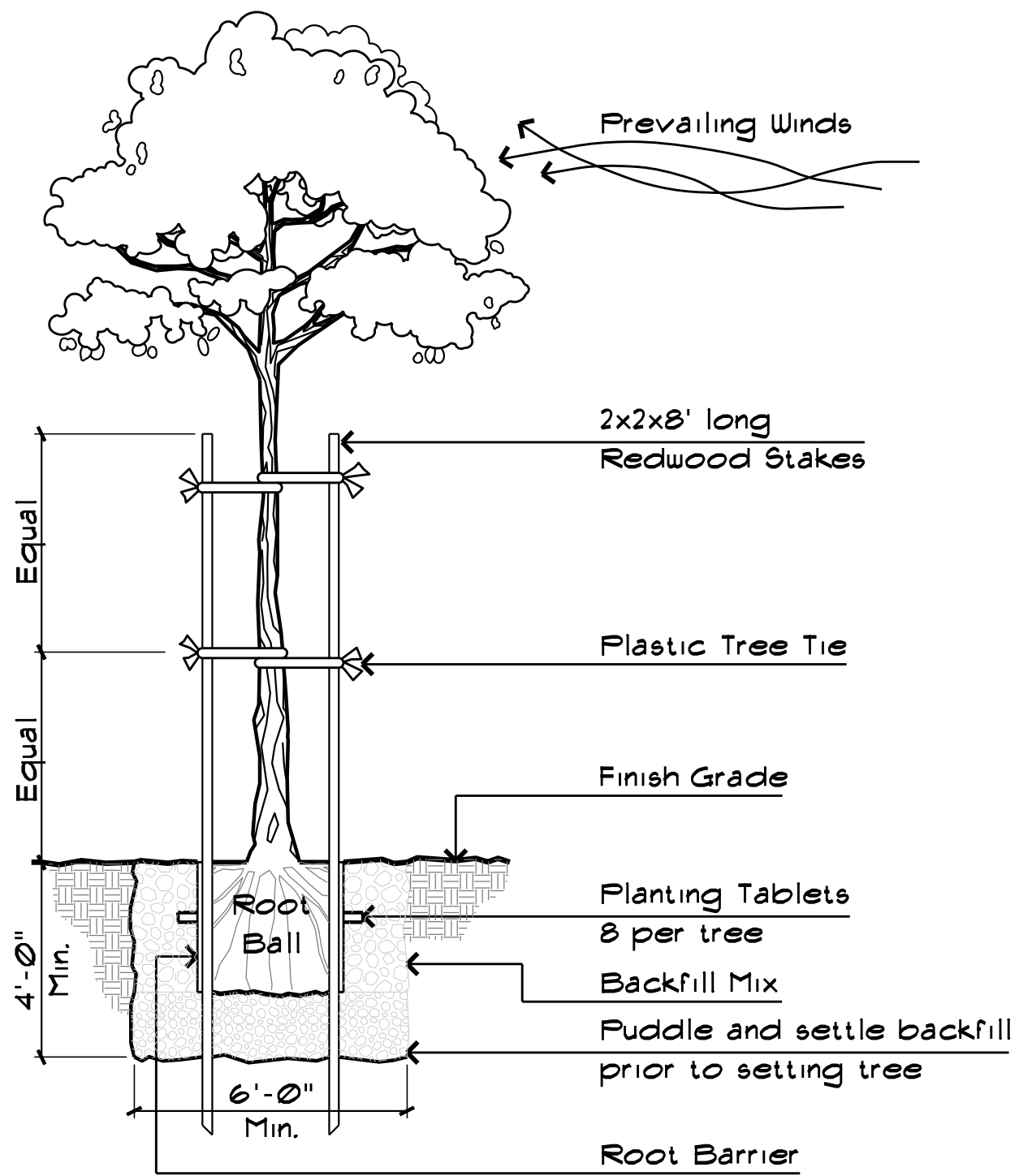
Repair existing landscaping damaged by construction.

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<div><div><div>REVISION NO.</div><div>SYM.</div><div>DESCRIPTION</div><div>SHT./OF</div><div>DATE</div><div>APPROVED</div></div><div><div>STATE OF HAWAII</div><div>DEPARTMENT OF LAND AND NATURAL RESOURCES</div><div>ENGINEERING DIVISION</div><div>HAWAII DISTRICT LAND OFFICE</div><div>HILO, HAWAII</div><div>Landscape Plan</div><div>DESIGNED: KKT</div><div>DRAWN: KKT</div><div>CHECKED:</div><div>APPROVED: Carty Chang</div><div>CHIEF ENGINEER</div><div>STATE OF HAWAII</div><div>DATE: NOVEMBER 2022</div><div>SCALE: AS NOTED</div><div>DRAWING NO. L-100</div></div></div>					
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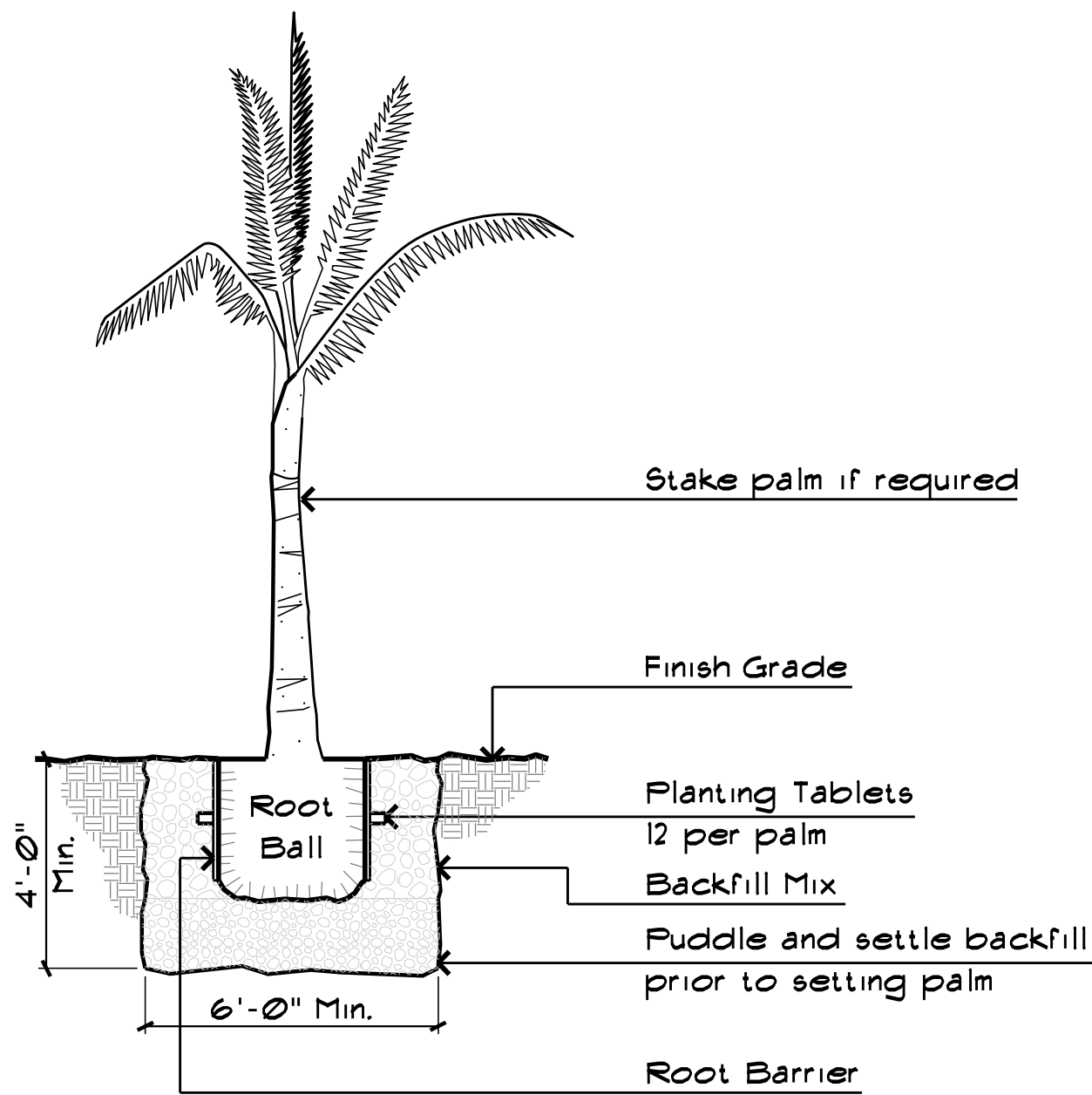
A
L-200

Shrub Detail
Not to scale





B
L-200

Tree Detail
Not to scale



C
L-200

Palm Detail
Not to scale

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APPROVED:  Carty Chang E-signed 2022-11-28 04:17PM HST carty.s.chang@hawaii.gov State of Hawaii Chief Engineer			DRAWING NO. L-200		

GENERAL NOTES

LEGEND

KEYNOTE NO.

KEYNOTES (THIS SHEET)

1. ALL WORK SHOWN IS NEW UNLESS OTHERWISE NOTED.

2. SEE SHEET T-002 FOR ADDITIONAL NOTES AND REQUIREMENTS.

3. SEE CIVIL, LANDSCAPE, STRUCTURAL, MECHANICAL, & ELECTRICAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.

4. CONCRETE/ASPHALT PAVED WALKWAYS SHALL NOT EXCEED THE FOLLOWING SLOPES:
-IN DIRECTION OF TRAVEL 1:20, UNLESS OTHERWISE NOTED.
-CROSS SLOPE OF 1:50.

5. ALL NON-PAVED AREAS DAMAGED AS A RESULT OF NEW WORK SHALL BE RE-PLANTED W/GRASS TO MATCH EXST. ADJACENT GRASS AREAS.
6. CONTRACTOR SHALL TONE ALL AREAS PRIOR TO PERFORMING ANY TRENCHING & EXCAVATION WORK. CONTRACTOR WILL BE RESPONSIBLE TO CORRECT ANY DAMAGE THAT OCCURS TO ANY UTILITY/POWER/COMMUNICATIONS LINES & OTHER BURIED INFRASTRUCTURE WITHOUT ADDITIONAL COMPENSATION.

7. ALL DIMENSIONS ARE TAKEN FROM THE FACE OF FINISH UNLESS OTHERWISE NOTED.

8. CONTRACTOR SHALL PAINT ALL UNFINISHED SURFACES, UNLESS OTHERWISE NOTED.

ASPHALT PAVING

6" GRAVEL BED

12" DEEP THICK PACKED GRAVEL BED

LAMP POST

UTILITY POLE & GUY ANCHOR

SEWER MAN HOLE

DS DOWNSPOUT

DS DOWNSPOUT W/SPLASH BLOCK

HB HOSE BIB

CO CLEAN OUT

- 1 CONC SIDEWALK. RAMP FOR ADA PARKING STALL ACCESS.

2 AC PAVING. PAINT PARKING STRIPES AND WHEEL STOP, SEE CIVIL DRWG.

3 AC PAVING SWALE. SEE CIVIL DRWG.

4 DOWNSPOUT & SPLASH BLOCK.

5 8'-0" H CHAIN LINK FENCE.

6 PIPE GATE W/ RECEIVING POSTS.

7 BOLLARD, SEE CIVIL DRWG.

8 GATE OPERATOR PAD FOR 8'-0" H ELECTRONIC GATE W/ GATE WHEEL, WELDED CHAINS, PADLOCK & MAGLOCK.

9 CONC MECHANICAL EQUIPMENT PAD FOR ACCU, SEE MECH DRWG.

10 LANDSCAPED AREA, SEE LAND DRWG.

11 CRM WALL.

12 EXISTING HANDHOLE TO REMAIN.

13 8'-0" H CHAIN-LINK FENCE ENCLOSURE.

14 RELOCATED BACKFLOW PREVENTOR, SEE CIVIL DRWG.

15 ELECTRICAL METER & OVERHEAD POWER LINE, SEE ELEC DRWG.

16 6" DEEP GRAVEL BED. SEE CIVIL & LAND DRWG.

17 SITE SIGNAGE, SEE CIVIL DRWG.

18 EXIST DRYWELL, SEE CIVIL DRWG FOR WORK INSIDE DRYWELL.

19 EDGE OF EXISTING ROAD, SEE CIVIL DRWG.

20 AC PAVED DRIVEWAY. SEE CIVIL DRWG.

21 DOWNSPOUT.

22 UNDERGROUND DRAIN TO LANDSCAPING, SEE CIVIL DRWG.

23 PATCH & REPAIR EXST STREET. SEE CIVIL DRWG.

24 END 8'-0" HIGH CHAIN LINK FENCE.

25 CONC CURB CUT. SEE CIVIL DRWG.

26 CONC CURB. SEE CIVIL DRWG.

27 12" DEEP GRAVEL BED, SEE CIVIL & LAND DRWG.

28 DOWNSPOUT OVERFLOW STRUCTURE.

29 8'-0" HIGH x 3'-4" WIDE CHAIN LINK PEDESTRIAN GATE W/ U-LATCH & PADLOCK.

30 8'-0" HIGH CHAIN LINK ENCLOSURE W/ GATE WHEELS, STRONG ARM LATCH & PADLOCK.

31 EXTERIOR LAMP POST, SEE ELEC DRWG.

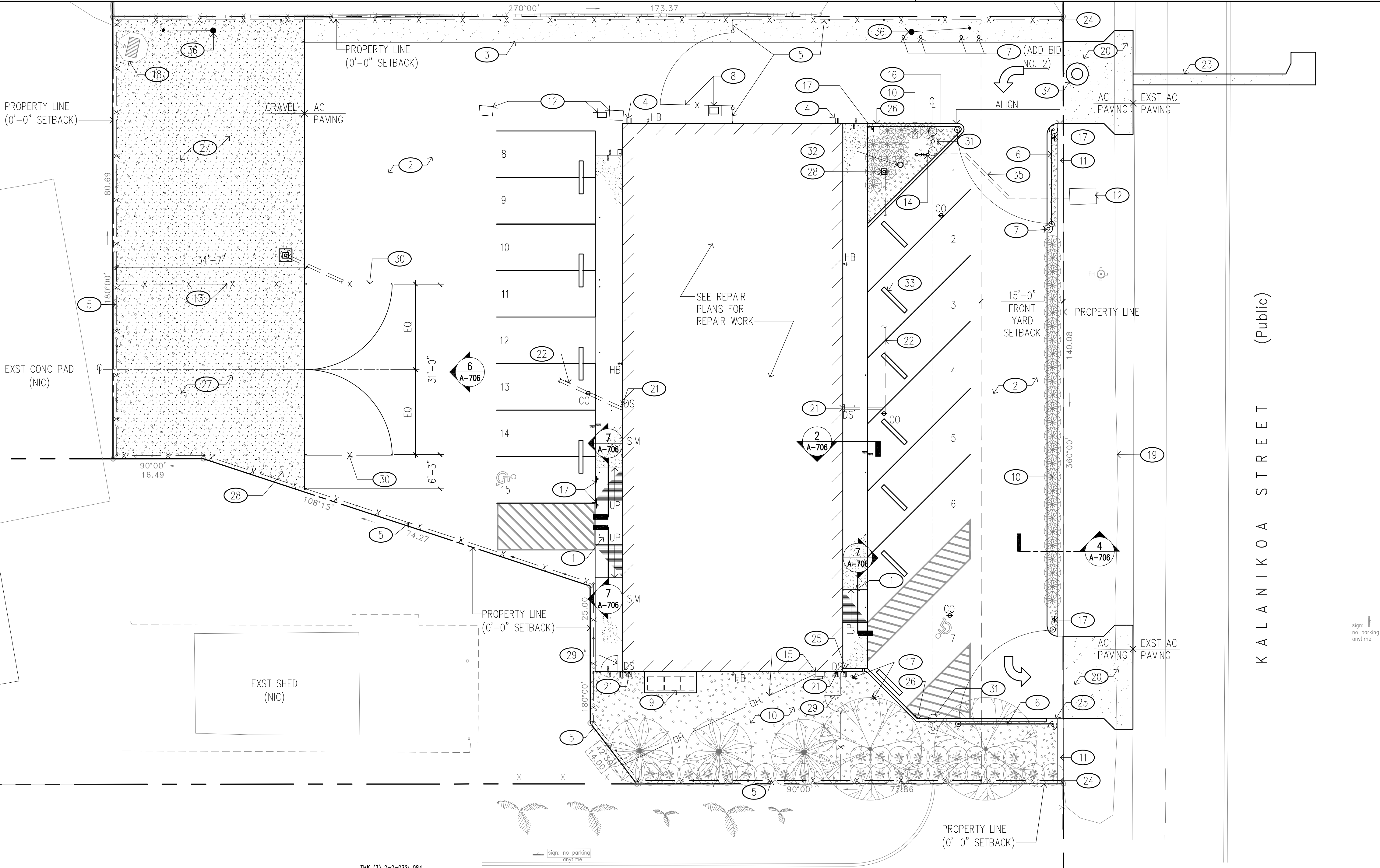
32 VALVE BOX, SEE CIVIL DRWG.

33 PRE-CAST CONC WHEEL STOP, TYP.

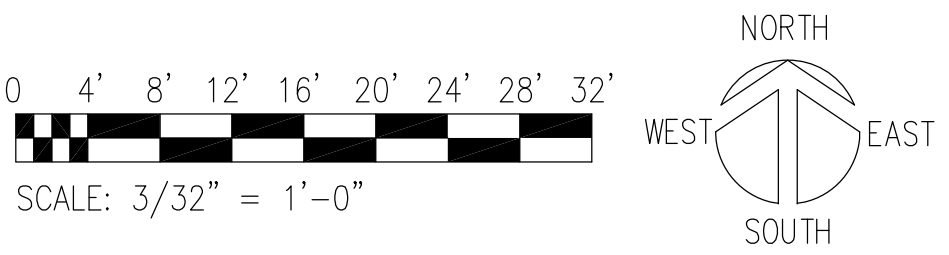
34 PRE-CAST SHALLOW DROP MANHOLE.

35 CONC JACKET BLW.

36 EXST UTILITY POLE & GUY WIRE TO REMAIN.



1 OVERALL SITE PLAN
SCALE: 3/32" = 1'-0"



REVISION NO.

SYM.

DESCRIPTION

SHT./OF

DATE

APPROVED

STATE OF HAWAII

DEPARTMENT OF LAND AND NATURAL RESOURCES

ENGINEERING DIVISION

HAWAII DISTRICT LAND OFFICE

HILO, HAWAII

OVERALL SITE PLAN

DESIGNED: KK

DRAWN: KA, TW, WL

CHECKED: FE

APPROVED: Carty Chang

CHIEF ENGINEER

SUBMITTED: [Signature]

DATE: FEBRUARY 2021

SCALE: AS NOTED

E-signed 2022-11-28 04:17PM HST

carty.s.chang@hawaii.gov

State of Hawaii

DRAWING NO.

A-001

THIS LICENSE EXPIRES APRIL 30, 2024

Fred K. Erskine

Signature

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 CHAPTER 18-115 OF THE HAWAII ADMINISTRATIVE RULES, DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS, ENTITLED PROFESSIONAL ENGINEERS, ARCHITECTS, SURVEYORS AND LANDSCAPE ARCHITECTS.

JOB NO. E00BH30A SHEET NO. 19 OF 77 SHEETS

DEMOLITION NOTES

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- INFRASTRUCTURE.
11. THE CONTRACTOR SHALL PROVIDE TEMPORARY BARRICADES AROUND WORK AREA DURING CONSTRUCTION.

LEGEND (THIS SHEET)

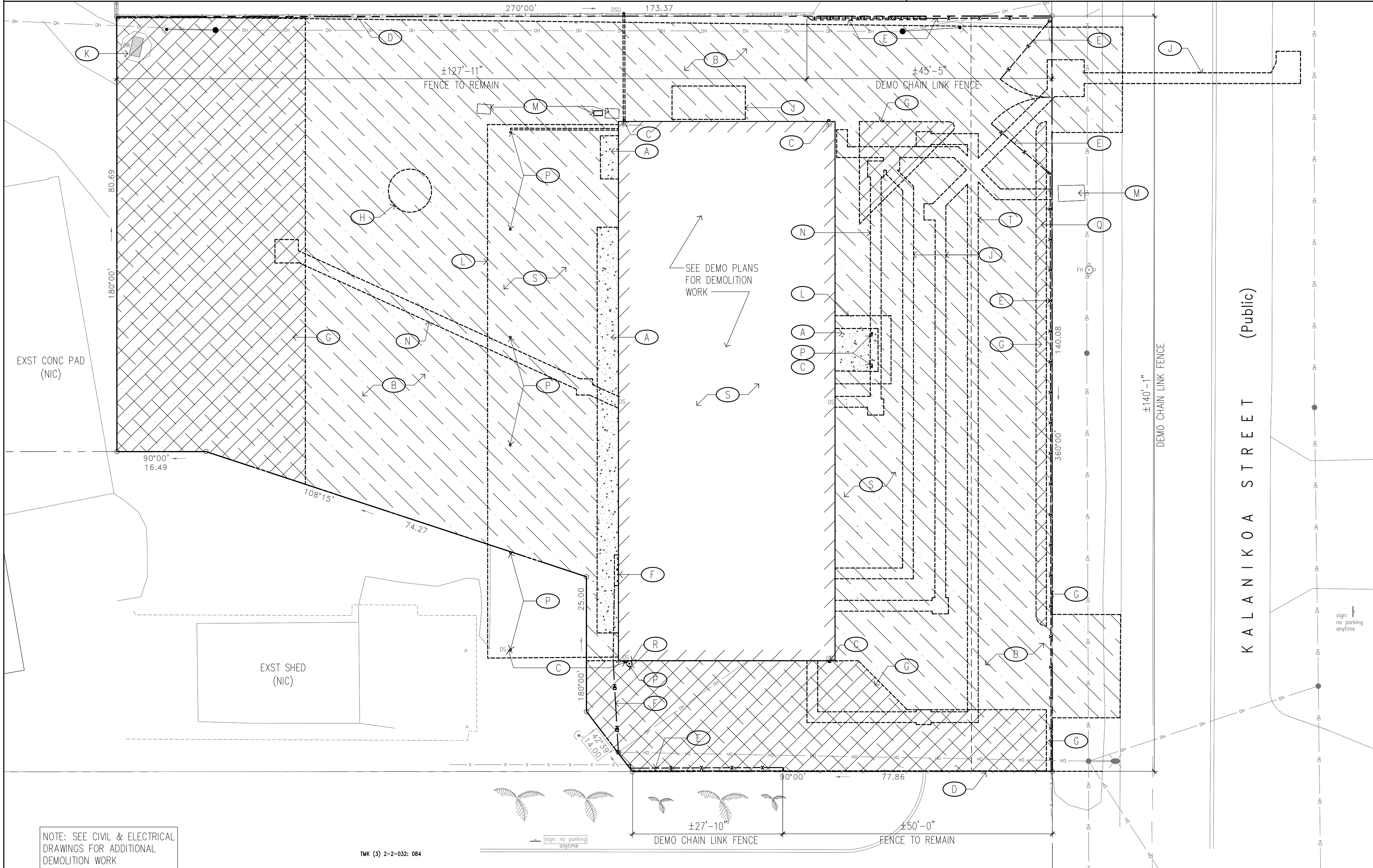
- INDICATES EXISTING TO REMAIN

--- INDICATES EXISTING TO BE DEMOLISHED/REMOVED/ALTERED

DEMO AC PAVING

DEMO AC PAVING & PREPARE FOR GRAVEL BED/LANDSCAPING

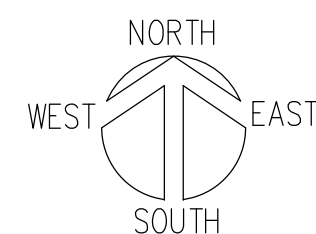
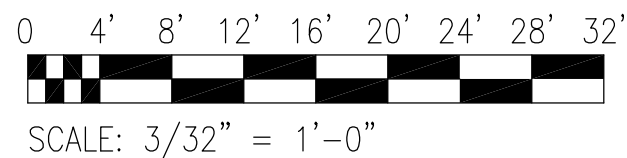
DEMO EXST CONC WALKWAY/RAMP.



NOTE: SEE CIVIL & ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION WORK

TMK (S) 2-2-032: 084

1 DEMOLITION SITE PLAN
SCALE: 3/32" = 1'-0"



KEYNOTE NO.

KEYNOTES (THIS SHEET)

- (A)

 DEMO SIDEWALK, RAMP, & PAD COMPLETE.
- (B)

 DEMO AC PAVING & AGGREGATE, SEE CIVIL DRWGS.
- (C)

 DEMO DOWNSPOUT, SPLASH BLOCK, & DRAIN PIPE BELOW GRADE.
- (D)

 CHAIN-LINK FENCE & CMU WALL TO REMAIN.
- (E)

 SELECT DEMO & REMOVE CHAIN-LINK FENCE, GATE & CMU WALL WITHIN PROPERTY LINE.
- (F)

 DEMO ELEC EQUIPMENT & OVERHEAD POWER LINE, SEE ELEC DRWG. COORDINATE W/ HELCO AS REQ.
- (G)

 PREP AREA FOR GRAVEL BED, LANDSCAPING & LOW ROCK WALL. SEE CIVIL & LAND DRWG.
- (H)

 DEDUCTIVE BID NO. 1 – APPROXIMATE LOCATION OF CESSPOOL. ABANDON AND BACKFILL CESSPOOL. CAP SEWER LINE FROM BLDG, CONTRACTOR TO VERIFY LOCATION. SEE CIVIL DRWG.
- (J)

 TRENCH AS REQ'D FOR SEWER & WATER CONNECTION. SEE CIVIL AND MECH DRWG.
- (K)

 REMOVE DEBRIS WITHIN & AROUND DRY WELL. CONTRACTOR TO VERIFY DRY WELL IS OPERABLE, SEE CIVIL DRWG. IF INOPERABLE, NOTIFY THE STATE.
- (L)

 LINE OF ROOF ABOVE.
- (M)

 HANDHOLE TO REMAIN.
- (N)

 TRENCH AS REQ'D FOR DOWNSPOUT DRAINAGE. SEE CIVIL DRWG.
- (P)

 DEMO METAL POST & FOOTING COMPLETE, TYP.
- (Q)

 REMOVE & SALVAGE BACKFLOW PREVENTER. SEE CIVIL DRWG.
- (R)

 DEMO METAL WIRE PROTRUDING WALL.
- (S)

 PROVIDE TERMITE TREATMENT TO SITE AND BUILDING, SEE SPECIFICATIONS.
- (T)

 TRENCH AS REQ'D FOR SITE LIGHTING. SEE CIVIL AND ELEC DRWG.

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION					
HAWAII DISTRICT LAND OFFICE HILO, HAWAII					
DEMOLITION SITE PLAN					
DESIGNED: KK			SUBMITTED:		
DRAWN: KA, TW, WL			DATE: NOVEMBER 2022		
CHECKED: FE			SCALE: AS NOTED		
APPROVED:			DRAWING NO. A-100		
CHIEF ENGINEER			Carty Chang E-signed 2022-11-28 04:17PM HST carty.s.chang@hawaii.gov State of Hawaii		

DEMOLITION NOTES

1. SEE SHEET T-002 FOR ADDITIONAL NOTES & REQUIREMENTS.

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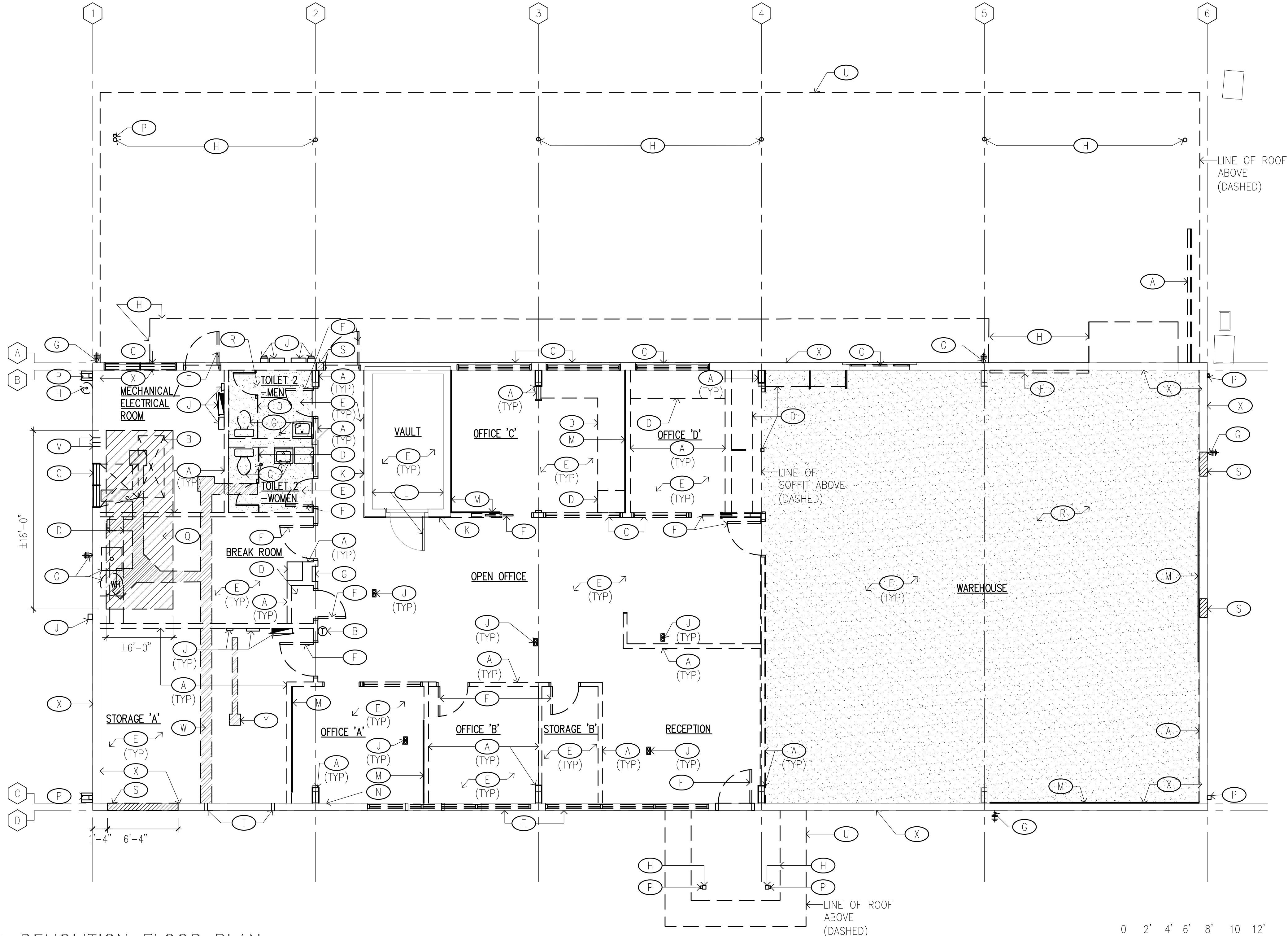
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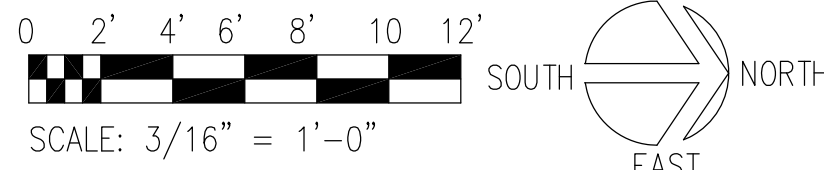
LEGEND (THIS SHEET)

- INDICATES EXISTING TO REMAIN
- - -

INDICATES EXISTING TO BE DEMOLISHED/REMOVED/ALTERED
- INDICATE AREA OF CONC TO BE SAW CUT
- DEMO & PREPARE FOR FLOOR LEVELING
- INDICATE AREA OF CONC TRENCH TO BE SAW CUT



1 DEMOLITION FLOOR PLAN
SCALE: 3/16" = 1'-0"



- KEYNOTE NO.

(A)
- DEMOLISH FULL HEIGHT INTERIOR PARTITIONS COMPLETE & GYP BD FURRING AROUND COLUMNS. PATCH/REPAIR ADJACENT FLOORS & WALLS TO REMAIN. GYP BD MAY CONTAIN FIBERGLASS, CONTRACTOR USE CAUTION DURING REMOVAL & HANDLING. GYP BD JOINT COMPOUND, TEXTURE, & PAINT MAY CONTAIN ASBESTOS & LEAD, ABATE PER HAZMAT REPORT IN SPECIFICATIONS.
- (B)
- DEMOLISH AIR CONDITIONING UNIT & CONNECTIONS. SEE MECHANICAL DRAWINGS. FOIL WRAP INSULATION & BLACK VIBRATION CLOTH MAY CONTAIN FIBERGLASS, CONTRACTOR USE CAUTION DURING REMOVAL & HANDLING. PAINT ON METAL PIPES MAY CONTAIN LEAD, ABATE PER HAZMAT REPORT IN SPECIFICATIONS.
- (C)
- REMOVE WINDOW/LOUVER SYSTEM COMPLETE & PREPARE OPENING FOR NEW WINDOW INSTALLATION. PAINT ON WINDOW FRAME MAY CONTAIN LEAD, ABATE PER HAZMAT REPORT IN SPECIFICATIONS.
- (D)
- DEMOLISH BUILT-IN CABINETS/STORAGE, RESTROOM PARTITIONS, & RESTROOM ACCESSORIES IN ENTIRETY.
- (E)
- REMOVE FLOOR TILE & WALL BASE THROUGHOUT. LEVEL & PREP FLOOR SURFACE FOR NEW FLOOR FINISH PER MANUFACTURER'S INSTRUCTIONS. FLOOR TILE & MASTIC UNDER WALL BASE MAY CONTAIN ASBESTOS, ABATE PER HAZMAT REPORT IN SPECIFICATIONS.
- (F)
- DEMOLISH DOOR LEAF, DOOR HARDWARE, & DOOR FRAME COMPLETE. PAINT ON DOORS & DOOR FRAMES MAY CONTAIN LEAD, ABATE PER HAZMAT REPORT IN SPECIFICATIONS.
- (G)
- DEMOLISH ALL PLUMBING FIXTURES, WATER HEATER, HOSE BIB, & FLOOR DRAIN/CLEAN OUT. PATCH & REPAIR ADJACENT FLOORS & WALLS TO REMAIN. SINK INSULATION MAY CONTAIN ASBESTOS, ABATE PER HAZMAT REPORT IN SPECIFICATIONS. SEE MECH DRWG.
- (H)
- DEMOLISH CONCRETE SIDEWALK, PAD, RAMP, METAL POST, & FOOTING COMPLETE.
- (J)
- DISCONNECT & REMOVE ELECTRICAL PANELS, CONDUITS, RECEPTACLES, SWITCHES, & FIXTURES. PATCH & REPAIR ADJACENT FLOORS & WALLS TO REMAIN. LIGHT INSULATION MAY CONTAIN FIBERGLASS, CONTRACTOR USE CAUTION DURING REMOVAL & HANDLING. PAINT ON ELECTRICAL PANELS & DEVICES MAY CONTAIN LEAD, ABATE PER HAZMAT REPORT IN SPECIFICATIONS. SEE ELEC DRWG.
- (K)
- DEMOLISH WALL COVERING & ADHESIVE COMPLETE. PREPARE WALL SURFACE ON WALLS TO REMAIN FOR NEW FINISH.
- (L)
- VAULT WALLS & DOOR TO REMAIN.
- (M)
- DEMOLISH CORKBOARD/CHALKBOARD, & ADHESIVE COMPLETE. CORKBOARD & MASTIC MAY CONTAIN ARSENIC, ABATE PER HAZMAT REPORT IN SPECIFICATIONS.
- (N)
- PATCH & REPAIR PENETRATIONS & CRACKS IN PERIMETER WALL. SEE STRUCT DRWG & SPECIFICATIONS.
- (P)
- DEMOLISH DOWNSPOUT, INTERNAL GUTTER, & SPLASH BLOCK.
- (Q)
- CUT & DEMO PORTION OF CONC SLAB FOR NEW DEPRESSED SLAB. SEE STRUCT DRWG.
- (R)
- CONTRACTOR SHALL PREPARE FLOOR TO BE SEALED & LEVELED AS REQUIRED.
- (S)
- CUT & DEMO CMU WALL FOR NEW WINDOW/LOUVER OPENING. SEE STRUCT DRWG.
- (T)
- CORE CONC WALL FOOTING FOR PLUMBING POC. SEE CIVIL, MECH & STRUCT DRWG.
- (U)
- DEMOLISH CARPORT & ENTRY CANOPY COMPLETE.
- (V)
- CORE CONC WALL FOR REFRIGERANT PIPING. AT ±9'-0" AFF. APPROXIMATELY 5" Ø FOR GAS LINE AND 4-1/2" Ø FOR LIQUID LINE. SEE MECH & STRUCT DRWG.
- (W)
- SAWCUT, EXCAVATE, & TRENCH CONC SLAB FOR NEW PLUMBING. SEE MECH DRWG.
- (X)
- REMOVE PAINT FROM CMU WALL SURFACE. PREP SURFACE TO RECEIVE NEW SEALER (INTERIOR) AND NEW PAINT (EXTERIOR).
- (Y)
- SAWCUT, EXCAVATE, & TRENCH CONC SLAB FOR NEW FLOOR OUTLET. SEE ELEC DRWG.

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION					
HAWAII DISTRICT LAND OFFICE HILO, HAWAII					
DEMOLITION FLOOR PLAN					
DESIGNED: KK		SUBMITTED:			
DRAWN: KA, TW, WL		DATE: NOVEMBER 2022			
CHECKED: FE		SCALE: AS NOTED			
APPROVED:		Carty Chang E-signed 2022-11-28 04:17PM HST carty.s.chang@hawaii.gov State of Hawaii		DRAWING NO. A-101	
CHIEF ENGINEER		Chief Engineer			

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LEGEND (THIS SHEET)

- INDICATES EXISTING TO REMAIN
- - - INDICATES EXISTING TO BE DEMOLISHED/REMOVED/ALTERED

KEYNOTES (THIS SHEET)

- A

DEMOLISH CORRUGATED ROOF COMPLETE. STRUCT FRAMING BELOW TO REMAIN. SEE STRUCT DRWG.
- B

DEMOLISH VTR, SEE MECH DRWG.
- C

DEMOLISH CARPORT & ENTRY CANOPY COMPLETE. PATCH & REPAIR EXT WALL TO REMAIN.
- D

DEMOLISH INTERNAL GUTTER, SCUPPER, FLASHING LEADER BOX, & DOWNSPOUT COMPLETE. PATCH & REPAIR ADJACENT STRUCTURE AND WALL TO REMAIN. PAINT MAY CONTAIN LEAD, ABATE PER HAZMAT REPORT IN SPECIFICATIONS.
- E

DEMOLISH CLEARSTORY & WOOD FRAMING COMPLETE. PATCH & REPAIR STRUCTURE BELOW TO REMAIN.
- F

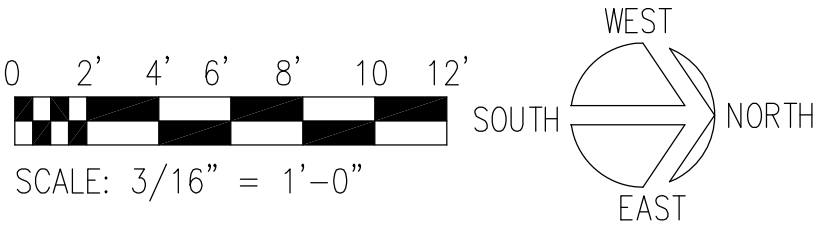
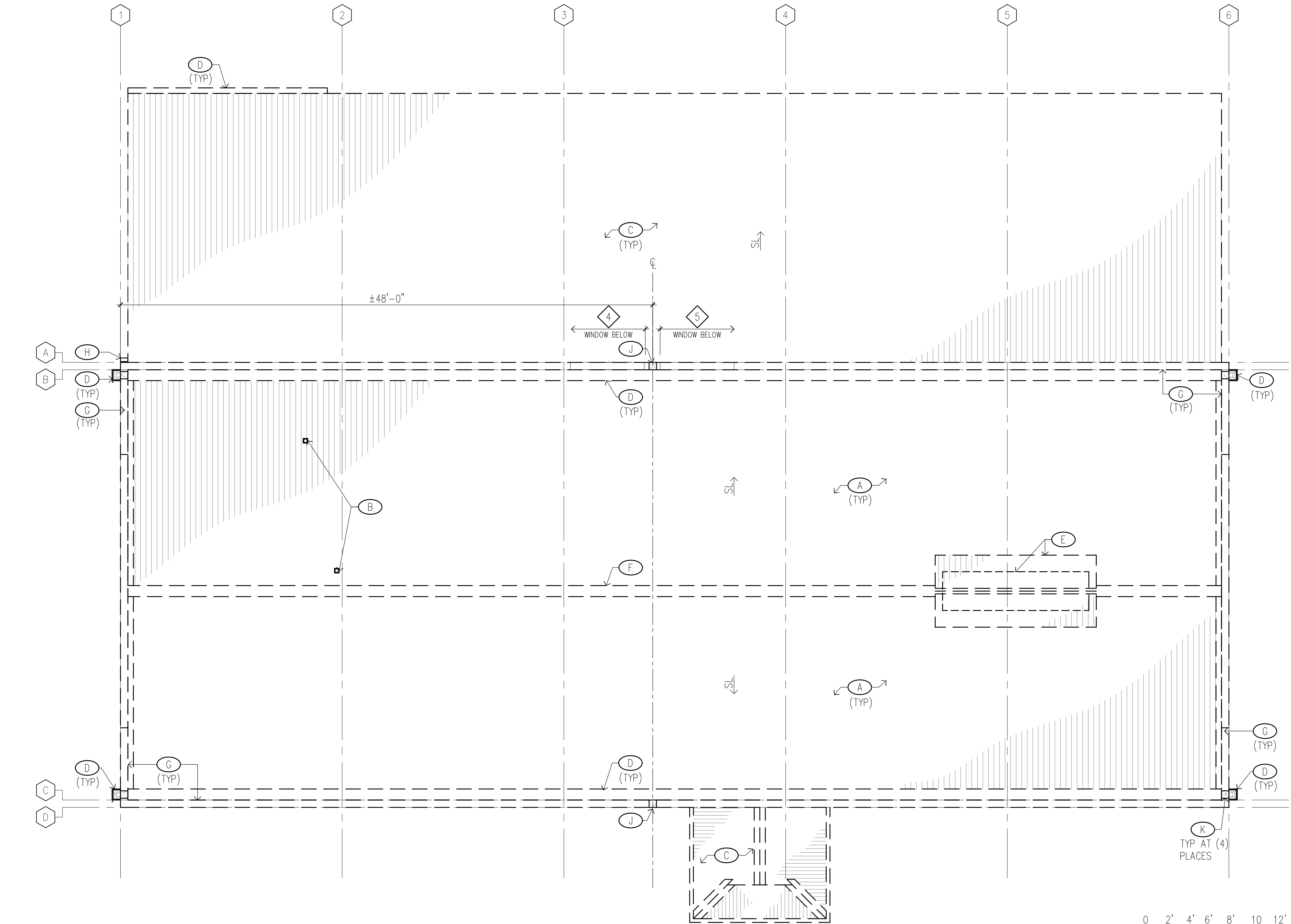
DEMOLISH ROOF RIDGE COMPLETE. PATCH & REPAIR STRUCTURE BELOW TO REMAIN.
- G

DEMOLISH PARAPET WALL CAP & FLASHING COMPLETE, PARAPET WALL TO REMAIN. FLASHING ON PARAPET WALL MAY CONTAIN ASBESTOS, ABATE PER HAZMAT REPORT IN SPECIFICATIONS.
- H

DEMOLISH ELEC POC, SEE ELEC DRWG.
- J

CUT PORTION OF CMU PARAPET WALL FOR NEW SCUPPER. COORDINATE WITH WINDOWS 4 & 5 BELOW ON GRIDLINE A.
- K

CUT PORTION OF CMU PARAPET WALL FOR NEW SCUPPER.



REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
<div><div><div><div>FRED K. ERSKINE</div><div>LICENSED PROFESSIONAL ARCHITECT</div><div>No. 10192</div><div>HAWAII, U.S.A.</div></div><div><div>THIS LICENSE EXPIRES APRIL 30, 2024</div><div><i>Fred K. Erskine</i></div><div>SIGNATURE</div></div><div><div>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 CHAPTER 18-115 OF THE HAWAII ADMINISTRATIVE RULES, DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS, ENTITLED PROFESSIONAL ENGINEERS, ARCHITECTS, SURVEYORS AND LANDSCAPE ARCHITECTS)</div></div></div><div><div>STATE OF HAWAII</div><div>DEPARTMENT OF LAND AND NATURAL RESOURCES</div><div>ENGINEERING DIVISION</div><div>HAWAII DISTRICT LAND OFFICE</div><div>HILO, HAWAII</div><div>DEMOLITION ROOF PLAN</div></div><div><div>DESIGNED: KK</div><div>DRAWN: KA, TW, WL</div><div>CHECKED: FE</div><div>APPROVED: Carty Chang</div><div>E-signed 2022-11-28 04:17PM HST</div><div>carty.s.chang@hawaii.gov</div><div>State of Hawaii</div><div>Chief Engineer</div></div><div><div>SUBMITTED: [Signature]</div><div>DATE: NOVEMBER 2022</div><div>SCALE: AS NOTED</div><div>DRAWING NO. A-102</div></div></div> <div><div>JOB NO. E00BH30A</div><div>SHEET NO. 22</div><div>OF 77</div><div>SHEETS</div></div>					

DEMOLITION NOTES

1. SEE SHEET T-002 FOR ADDITIONAL NOTES & REQUIREMENTS.

2. PERFORM ALL DEMOLITION SO THAT EXISTING CONSTRUCTION TO REMAIN IS UNDAMAGED.

3. EXTENT OF REMOVAL AS INDICATED IS APPROXIMATE. CONTRACTOR SHALL VERIFY THE EXTENT OF REMOVAL WORK TO PROPERLY ACCOMMODATE THE METHOD OF REQUIRED NEW CONSTRUCTION. ADDITIONAL REMOVAL & PATCHING REQ'D TO ACCOMMODATE NEW CONSTRUCTION SHALL BE CONSIDERED INCIDENTAL TO THE NEW WORK CONTAINED HEREIN WITH NO ADDITIONAL COMPENSATION BEING PROVIDED.

4. PROPERLY PREPARE ALL SURFACES THAT ARE TO BE RE-PAINTED AS NEEDED TO MEET PRODUCT & MANUFACTURER'S REQUIREMENTS & RECOMMENDATIONS FOR A COMPLETE, SOUND & TIGHT JOB. ALLOW FOR CONSTRUCTION TOLERANCES IN ORDER TO MEET THE MINIMUM/MAXIMUM REQUIREMENTS AS SPECIFIED & INDICATED IN THE DRAWINGS & SPECIFICATIONS.

5. ALL DIMENSIONS SHOWN ARE APPROXIMATE & SHALL BE FIELD VERIFIED BY THE CONTRACTOR. SEE CIVIL, LANDSCAPE, STRUCTURAL, MECHANICAL & ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION REQUIREMENTS.
6. CONTRACTOR SHALL TONE ALL AREAS AFFECTED BY THE WORK PRIOR TO SAWCUTTING, TRENCHING, EXCAVATION, ETC. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE THAT OCCURS TO ANY UTILITY/POWER/COMMUNICATIONS LINES & OTHER EXISTING INFRASTRUCTURE.

7. SEE HAZMAT REPORT AND SECTIONS IN SPECIFICATIONS FOR ABATEMENT WORK. CONTRACTOR IS RESPONSIBLE TO MEET THE REQUIREMENTS AS SPECIFIED & INDICATED IN THE DRAWINGS AND SPECIFICATIONS.

8. ACTUAL EXTENT OF GRADING, TRENCHING, & EXCAVATION IS NOT DEPICTED. THE CONTRACTOR SHALL DETERMINE THE ACTUAL EXTENT OF TRENCHING & EXCAVATION REQUIRED TO ACCOMMODATE THE INSTALLATION OF NEW ELEC., TELECOM, DRAIN LINES, WATER LINES, ETC. PRIOR TO BID SUBMITTAL. SEE CIVIL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

9. EXTENT OF SAWCUTTING OF THE CONCRETE SLAB ON GRADE & EXCAVATION IS NOT DEPICTED. THE CONTRACTOR SHALL DETERMINE THAT ACTUAL EXTENT OF SAWCUTTING & EXCAVATION REQUIRED TO ACCOMMODATE THE WORK.

10. EXTENTS/LIMITS OF TRENCHING & EXCAVATION WORK IS NOT SHOWN. THE CONTRACTOR SHALL INCLUDE ALL COSTS FOR TRENCHING & EXCAVATION WORK TO RELOCATE BURIED

- INFRASTRUCTURE.
11. THE CONTRACTOR SHALL PROVIDE TEMPORARY BARRICADES AROUND WORK AREA DURING CONSTRUCTION.

LEGEND (THIS SHEET)

- INDICATES EXISTING TO REMAIN
- - -

INDICATES EXISTING TO BE DEMOLISHED/REMOVED/ALTERED
- INDICATES CEILING FINISH TO REMAIN
- INDICATES PORTION OF CMU TO BE CUT & DEMOLISHED

KEYNOTES (THIS SHEET)

- A

DEMOLISH CARPORT CORRUGATED ROOF, STRUCT FRAMING, AND WOOD PURLINS COMPLETE. PATCH & REPAIR ADJACENT EXTERNAL WALL TO REMAIN. PAINT ON FRAMING & PURLINS MAY CONTAIN LEAD, ABATE PER HAZMAT REPORT IN SPECIFICATIONS.
- B

DEMOLISH LIGHT FIXTURE & ASSOCIATED CONDUITS. PATCH & REPAIR SURFACES OF STRUCTURAL FRAMING & CEILING TO REMAIN. LIGHT INSULATION MAY CONTAIN FIBERGLASS, CONTRACTOR USE CAUTION DURING REMOVAL & HANDLING. LIGHT FIXTURE MAY CONTAIN MERCURY, ABATE PER HAZMAT REPORT IN SPECIFICATIONS. SEE ELEC DRWG.
- C

REMOVE PAINT & RUST ON ALL STRUCT FRAMING TO REMAIN. PATCH & REPAIR RUSTED AREAS. PREPARE SURFACE TO RECEIVE NEW PAINT. PAINT ON STRUCT FRAMING MAY CONTAIN LEAD, ABATE PER HAZMAT REPORT IN SPECIFICATIONS. SEE STRUCT DRWG.
- D

DEMOLISH INTERNAL GUTTER, DOWNSPOUT, & LEADER BOX COMPLETE. PAINT ON GUTTER, DOWNSPOUT, & LEADER BOX MAY CONTAIN LEAD, ABATE PER HAZMAT REPORT IN SPECIFICATIONS.
- E

DEMOLISH WALL RACK. PATCH & REPAIR ADJACENT WALL TO REMAIN.
- F

DEMOLISH CEILING TILE, ACCESS PANELS/OPENINGS, & SUPPORT. CEILING TILE MAY CONTAIN ASBESTOS, ABATE PER HAZMAT REPORT IN SPECIFICATIONS.
- G

DEMOLISH WOOD FRAMING AT CLEARSTORY. PATCH & REPAIR STRUCT FRAMING TO REMAIN. REINFORCE STRUCT FRAMING, AS REQUIRED. SEE STRUCT DRWG.
- H

DEMOLISH CORRUGATED ROOF THROUGHOUT. ROOF/BUILDING STRUCTURE TO REMAIN.
- J

DEMOLISH CEILING SOFFIT & TRIM. PATCH & REPAIR ADJACENT STRUCTURE & WALL TO REMAIN. GYP BD MAY CONTAIN FIBERGLASS, CONTRACTOR USE CAUTION DURING REMOVAL & HANDLING. GYP BD JOINT COMPOUND, TEXTURE, & PAINT MAY CONTAIN ASBESTOS & LEAD, ABATE PER HAZMAT REPORT IN SPECIFICATIONS.
- K

DEMOLISH 2X AROUND PERIMETER OF WAREHOUSE.
- L

DEMOLISH DOOR BELL SPEAKER. SEE ELEC DRWG.
- M

DEMOLISH CEILING MOUNTED REGISTERS/DEVICES, & DUCT/CONDUIT CONNECTIONS ABOVE THE CEILING. SEE MECH & ELEC DRWG.
- N

DEMOLISH ENTRY CANOPY & SUPPORT COMPLETE. PATCH & REPAIR ADJACENT WALL TO REMAIN. PAINT MAY CONTAIN LEAD, ABATE PER HAZMAT REPORT IN SPECIFICATIONS.
- P

DEMOLISH SHELVING & CLOSET ROD.
- Q

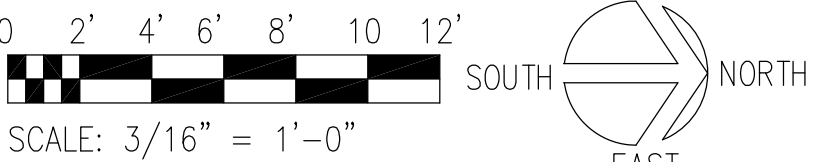
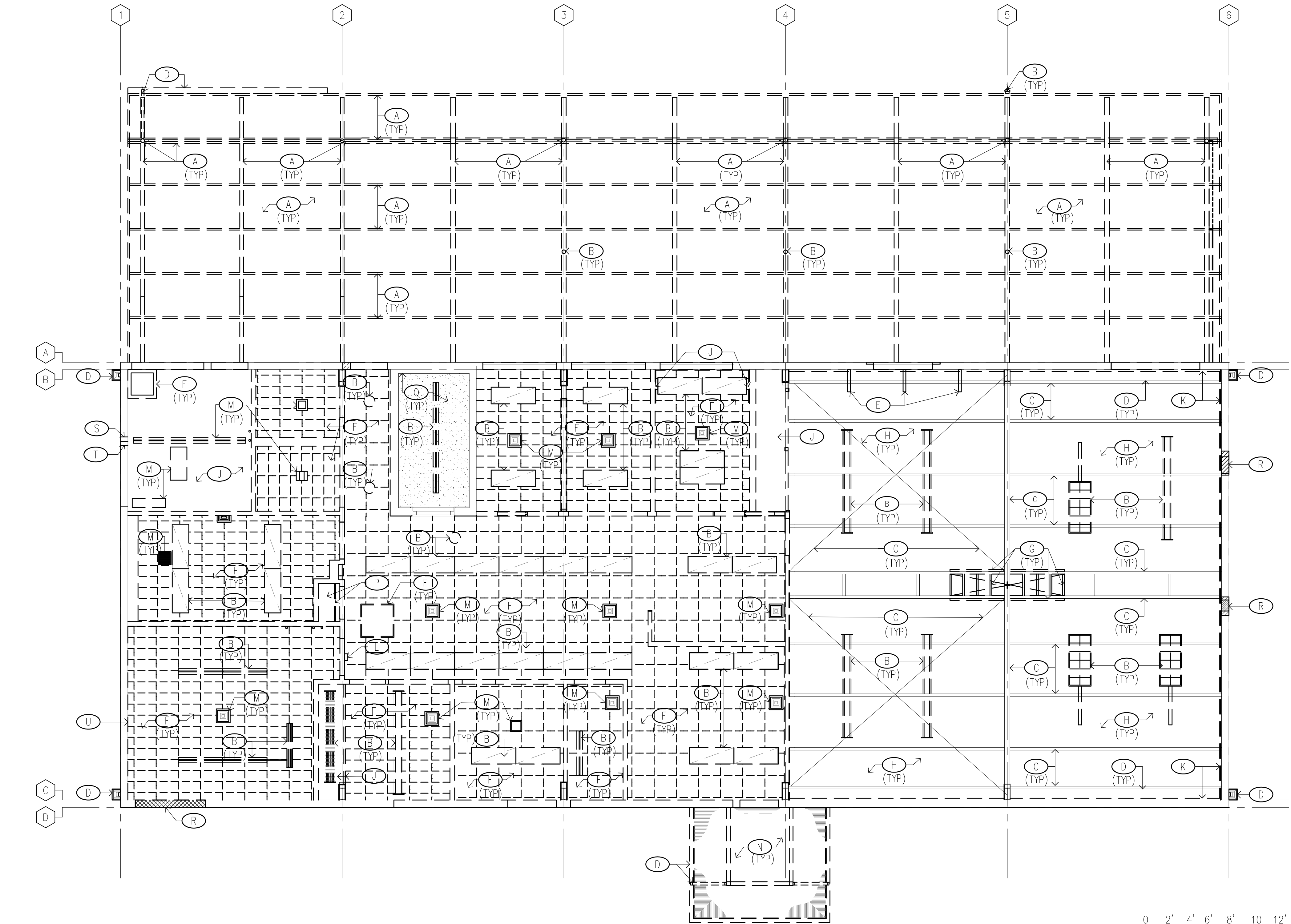
VAULT CEILING & WALLS TO REMAIN.
- R

CUT & DEMO CMU WALL FOR WINDOW/LOUVER OPENING. SEE STRUCT DWRG.
- S

CORE 5" DIAMETER PENETRATION FOR REFRIGERANT GAS LINE AT ±9'-0" CEILING HEIGHT. SEE MECH DRWG.
- T

CORE 4-1/2" DIAMETER PENETRATION FOR REFRIGERANT LIQUID LINE ±9'-0" CEILING HEIGHT. SEE MECH DRWG.
- U

DEMOLISH CORRODED ANGLE LEDGER NOTIFY THE STATE & ARCHITECT OF SEVERELY CORRODED STRUCTURAL MEMBERS ABOVE THE CEILING TILE. SEE STRUCT DRWG.



1 DEMOLITION REFLECTED CEILING PLAN
SCALE: 3/16" = 1'-0"

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
<div><div><div><div>FRED K. ERKINE</div><div>LICENSED PROFESSIONAL ARCHITECT</div><div>No. 10192</div><div>HAWAII, U.S.A.</div></div><div><div>THIS LICENSE EXPIRES APRIL 30, 2024</div><div></div><div><small>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 CHAPTER 14-115 OF THE HAWAII ADMINISTRATIVE RULES, DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS, ENTITLED PROFESSIONAL ENGINEERS, ARCHITECTS, SURVEYORS AND LANDSCAPE ARCHITECTS.</small></div></div><div>STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION HAWAII DISTRICT LAND OFFICE HILO, HAWAII DEMOLITION REFLECTED CEILING PLAN DESIGNED: KK DRAWN: KA, TW, WL CHECKED: FE APPROVED: Carty Chang E-signed 2022-11-28 04:17PM HST carty.s.chang@hawaii.gov State of Hawaii CHIEF ENGINEER</div><div><div>SUBMITTED: </div><div>DATE: NOVEMBER 2022</div><div>SCALE: AS NOTED</div><div>DRAWING NO. A-103</div></div></div></div>					
JOB NO. E00BH30A SHEET NO. 23 OF 77 SHEETS					

GENERAL NOTES

1. ALL WORK SHOWN IS NEW UNLESS OTHERWISE NOTED.

2. SEE SHEET T-002 FOR ADDITIONAL NOTES AND REQUIREMENTS.

3. SEE CIVIL, LANDSCAPE, MECHANICAL, STRUCTURAL & ELECTRICAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.

4. CONCRETE/ASPHALT PAVED WALKWAYS SHALL NOT EXCEED THE FOLLOWING SLOPES:
-IN DIRECTION OF TRAVEL 1:20, UNLESS OTHERWISE NOTED.
-CROSS SLOPE OF 1:50.

5. ALL NON-PAVED AREAS DAMAGED AS A RESULT OF NEW WORK SHALL BE RE-PLANTED W/GRASS TO MATCH EXST. ADJ. GRASS AREAS.

6. CONTRACTOR SHALL TONE FOR UTILITY LINES IN ALL AREAS OF THE SITE THAT WILL BE AFFECTED BY THE WORK.
7. ALL DIMENSIONS ARE TAKEN FROM THE FACE OF FIN. UNLESS OTHERWISE NOTED.

8. CONTRACTOR SHALL PAINT ALL UNFINISHED SURFACES, UNLESS OTHERWISE NOTED.

9. CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND CONFIRM DIMENSIONS OF SHOP DRAWINGS PRIOR TO APPROVAL AND ORDERING OF HDS SYSTEM. CONTRACTOR SHALL PROVIDE ALL COMPONENTS TO SUPPORT THE HDS SYSTEM, INCLUDING (BUT NOT LIMITED TO) ANCHORS, BOLTS, RAILS, GROUT, POWER SUPPLY, J-BOXES, STRUCTURAL SUPPORT, ETC. CONTRACTOR IS RESPONSIBLE FOR THE PREPARATION, ASSEMBLY, CONNECTIONS, AND COMPLETE INSTALLATION OF THE HDS SYSTEM AT NO ADDITIONAL COST TO THE STATE.

LEGEND (THIS SHEET)

- ⬡

DOOR TYPE, SEE A-601

⬢

WINDOW TYPE, SEE A-601

⊗

SIGN TYPE

⬢⬢

PARTITION TYPE, SEE A-403

▨

CONCRETE MASONRY UNIT INFILL

▬

FULL HEIGHT PARTITION, PAINT AS SPECIFIED

▨▨

PARTIAL HEIGHT PARTITION, PAINT AS SPECIFIED

▬▬

PARTIAL HEIGHT PARTITION, PAINT AS SPECIFIED, W/WOOD CAP

1-HR RATED PARTITION
- ⦿CO

CLEAN OUT
- FLOOR DRAIN
- ⊞

FLOOR POWER & DATA OUTLET
- ▤DS

DOWNSPOUT
- ▤DS

DOWNSPOUT W/SPLASH BLOCK
- ⦿HB

HOSE BIB
- ⦿

SITE SINAGE
- ADA SIGNAGE
- ⦿⦿

LAMP POST

KEYNOTES (THIS SHEET)

- 1

INFILL OPENING WITH CMU. MATCH EXST PATTERN & BLOCK SIZE.
- 2

DOWNSPOUT DRAIN PIPE TO LANDSCAPED AREAS. SEE CIVIL DRWG.
- 3

ADDITIVE BID NO. 3. AREA FOR ELECTRONIC HIGH DENSITY STORAGE SYSTEM, CFCI. SEE ELEC DRWG & SPECIFICATION.
- 4

LEVEL & SEAL EXST CONC FLR.
- 5

BASE & WALL HUNG CABINETS.
- 6

OPEN SHELVING.
- 7

METAL AWNING W/ GUTTER AND DOWNSPOUT ABOVE. CONNECT TO DOWNSPOUT DRAINPIPE.
- 8

HELCO METER & MAIN DISCONNECT SWITCH. SEE ELEC DRWG.
- 9

ADDITIVE BID NO. 3 - PV DISCONNECT SWITCH.
- 10

DOWNSPOUT W/ PRE-CAST CONC SPLASH BLOCK.
- 11

SITE SIGNAGE, SEE CIVIL DRWG.
- 12

FULL HEIGHT STORAGE. SEE DETAIL 4/A-703.
- 13

APPLY SEALER TO CMU WALL AS SCHEDULED.
- 14

PAINT WALLS AS SCHEDULED.
- 15

PARTIAL HT WALL SUPPORT.
- 16

DOWNSPOUT OVERFLOW STRUCTURE.
- 17

CONC CURB, SEE CIVIL DRWG.
- 18

PARKING MARKING, SEE CIVIL DRWG.
- 19

PRE-CAST CONC WHEEL STOP, TYP.
- 20

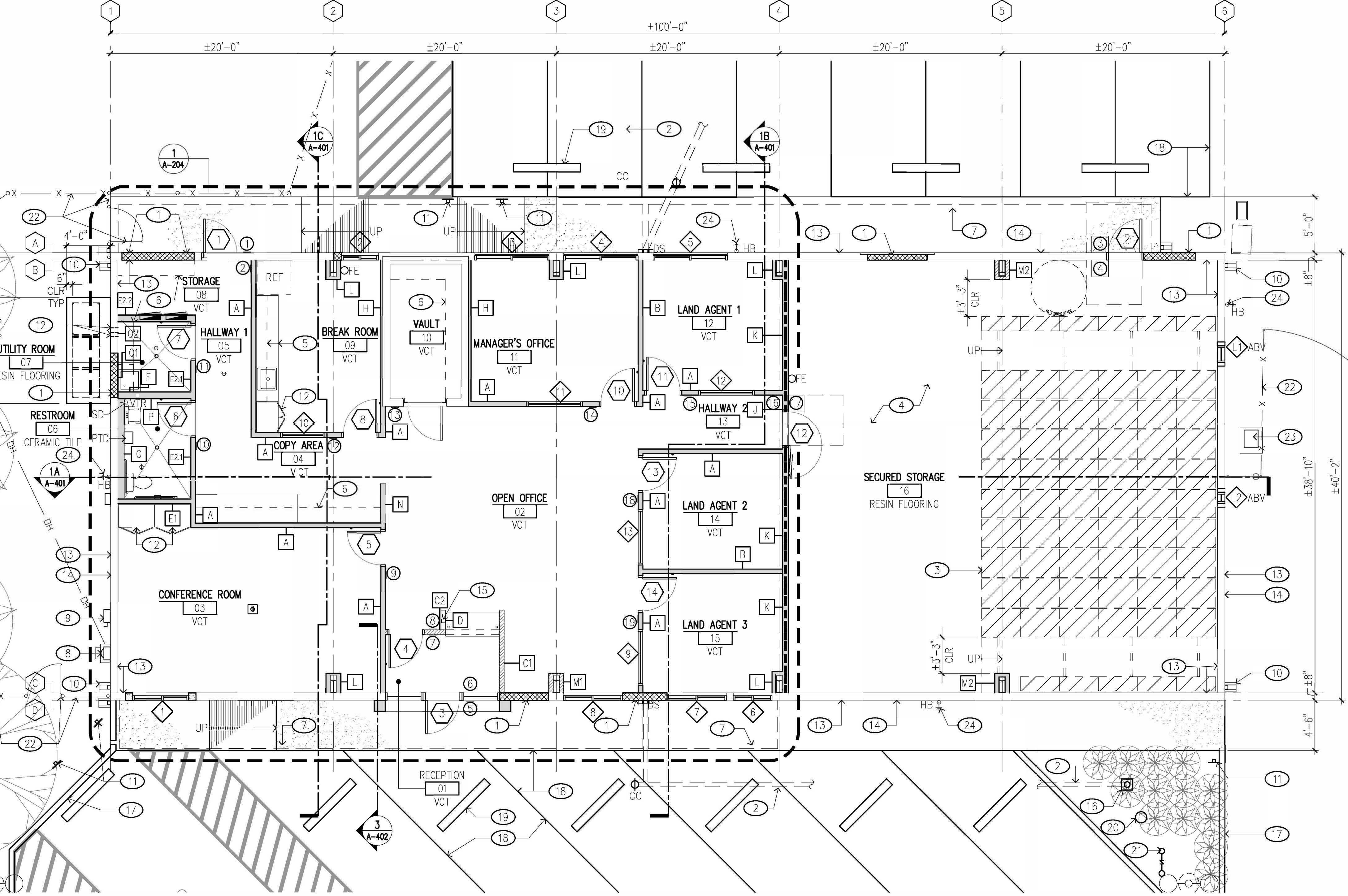
VALVE BOX, SEE CIVIL DRWG.
- 21

BACKFLOW PREVENTER, SEE CIVIL DRWG.
- 22

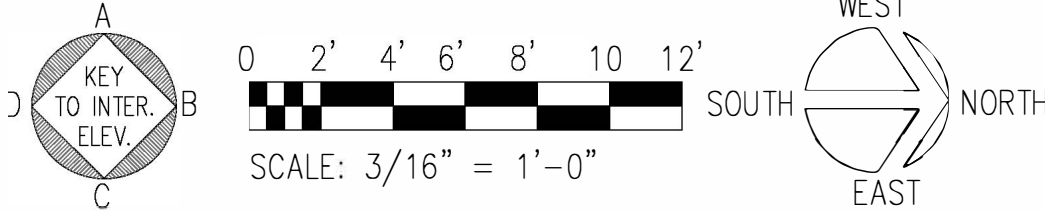
CHAIN LINK FENCE AND GATE.
- 23

GATE OPERATOR.
- 24

CORE CMU WALL FOR HOSE BIBB WATER LINE. PATCH AND REPAIR WALL. SEAL AROUND PENETRATION



1 REPAIR FLOOR PLAN
SCALE: 3/16" = 1'-0"



REVISION NO.

SYM.

DESCRIPTION

SHT./OF

DATE

APPROVED

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
ENGINEERING DIVISION

HAWAII DISTRICT LAND OFFICE
HILO, HAWAII

REPAIR FLOOR PLAN

DESIGNED: KK

DRAWN: KA, TW, WL

CHECKED: FE

APPROVED: Carty Chang
E-signed 2022-11-28 04:17PM HST
CHIEF ENGINEER

SUBMITTED: [Signature]
DATE: NOVEMBER 2022

SCALE: AS NOTED

DRAWING NO.
A-201

JOB NO. E00BH30A SHEET NO. 24 OF 77 SHEETS

GENERAL NOTES

1. ALL WORK SHOWN IS NEW UNLESS OTHERWISE NOTED.

2. SEE SHEET T-002 FOR ADDITIONAL NOTES AND REQUIREMENTS.

3. SEE CIVIL, LANDSCAPE, MECHANICAL, STRUCTURAL & ELECTRICAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.

4. CONCRETE/ASPHALT PAVED WALKWAYS SHALL NOT EXCEED THE FOLLOWING SLOPES:
-IN DIRECTION OF TRAVEL 1:20, UNLESS OTHERWISE NOTED.
-CROSS SLOPE OF 1:50.

5. ALL NON-PAVED AREAS DAMAGED AS A RESULT OF NEW WORK SHALL BE RE-PLANTED W/GRASS TO MATCH EXST. ADJ. GRASS AREAS.

6. CONTRACTOR SHALL TONE FOR UTILITY LINES IN ALL AREAS OF THE SITE THAT WILL BE AFFECTED BY THE WORK.
7. ALL DIMENSIONS ARE TAKEN FROM THE FACE OF FIN. UNLESS OTHERWISE NOTED.

8. CONTRACTOR SHALL PAINT ALL UNFINISHED SURFACES, UNLESS OTHERWISE NOTED.

LEGEND (THIS SHEET)

- TUBULAR DAYLIGHTING DEVICE W/ CRICKET
- GOOSENECK EXHAUST W/ CRICKET
- VENT-THRU-ROOF (VTR)
- LEADERBOX & DOWNSPOUT
- WALKING PAD

KEYNOTE NO.

KEYNOTES (THIS SHEET)

- 1

FLASH CMU WALL SCUPPER.
- 2

ROOF RIDGE.
- 3

MET COPING FLASHING CAP ON CMU PARAPET WALL
- 4

CRICKET
- 5

GOOSENECK EXHAUST. SEE MECH DRWG.
- 6

TPO ROOFING ON COVERBOARD & RIGID INSULATION W/ METAL DECK. SEE STRUCT DRWG. SEE IECC 2015 NOTE FOR MORE INFORMATION.
- 7

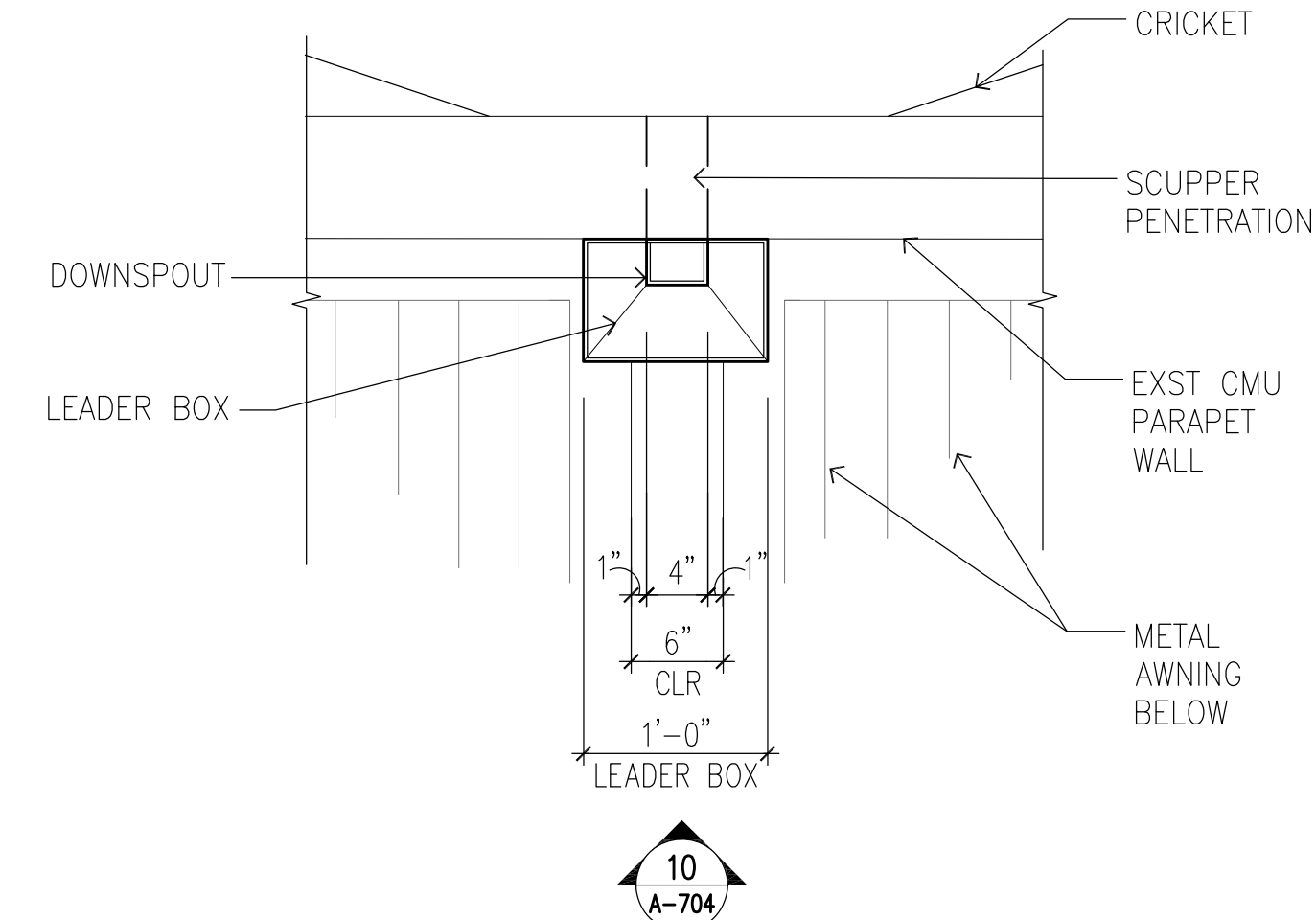
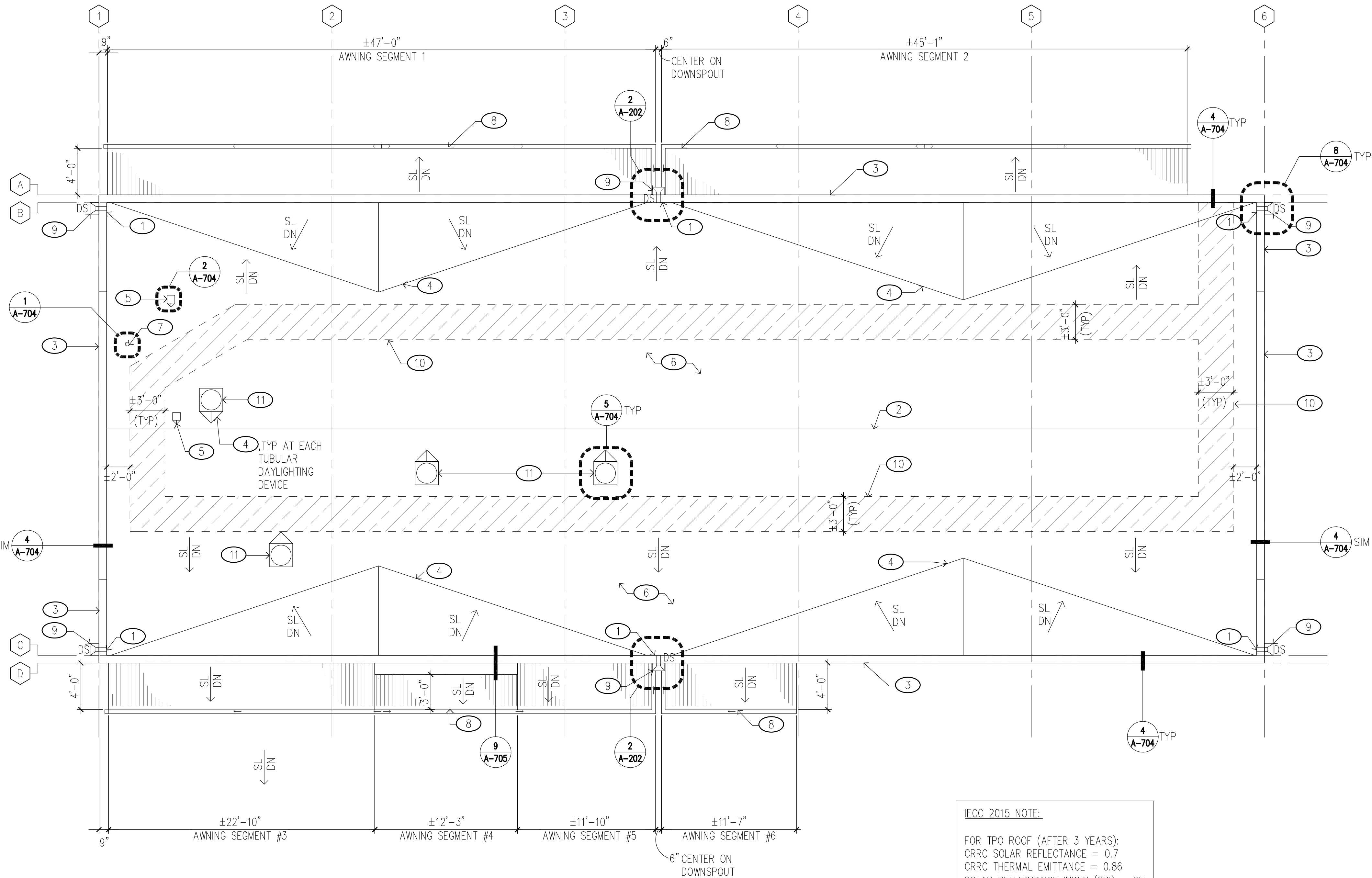
VTR, SEE MECH DRWG.
- 8

METAL AWNING BELOW WITH INTERNAL SLOPE GUTTER.
- 9

LEADERBOX & DOWNSPOUT.
- 10

WALKING PAD.
- 11

TUBULAR DAYLIGHTING DEVICE W/ DIMMER SWITCH AND THERMAL INSULATING PANEL. SEE IECC 2015 NOTE FOR MORE INFORMATION.



SCUPPER/LEADER BOX PLAN DETAIL

SCALE: 1" = 1'-0"

1 REPAIR ROOF PLAN

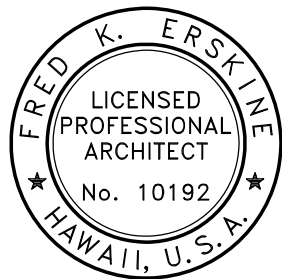
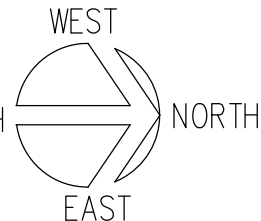
SCALE: 3/16" = 1'-0"

IECC 2015 NOTE:

FOR TPO ROOF (AFTER 3 YEARS):
CRRC SOLAR REFLECTANCE = 0.7
CRRC THERMAL EMITTANCE = 0.86
SOLAR REFLECTANCE INDEX (SRI) = 85

FOR SKYLIGHT:
U-FACTOR = 0.38
SHGC = 0.36

0 2' 4' 6' 8' 10 12'
SCALE: 3/16" = 1'-0"



THIS LICENSE EXPIRES APRIL 30, 2024

Fred K. Erskine
SIGNATURE

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 CHAPTER 18-115 OF THE HAWAII ADMINISTRATIVE RULES, DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS, ENTITLED PROFESSIONAL ENGINEERS, ARCHITECTS, SURVEYORS AND LANDSCAPE ARCHITECTS)

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
ENGINEERING DIVISION

HAWAII DISTRICT LAND OFFICE
HILO, HAWAII

REPAIR ROOF PLAN

DESIGNED: KK

DRAWN: KA, TW, WL

CHECKED: FE

APPROVED:

CHIEF ENGINEER

SUBMITTED:

DATE: NOVEMBER 2022

SCALE: AS NOTED

Carty Chang

E-signed 2022-11-28 04:17PM HST
carty.s.chang@hawaii.gov
State of Hawaii

Chief Engineer

DRAWING NO.

A-202

GENERAL NOTES

1. ALL WORK SHOWN IS NEW UNLESS OTHERWISE NOTED.

2. SEE SHEET T-002 FOR ADDITIONAL NOTES AND REQUIREMENTS.

3. SEE CIVIL, LANDSCAPE, MECHANICAL, STRUCTURAL & ELECTRICAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.

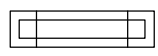
4. CONCRETE/ASPHALT PAVED WALKWAYS SHALL NOT EXCEED THE FOLLOWING SLOPES:
-IN DIRECTION OF TRAVEL 1:20, UNLESS OTHERWISE NOTED.
-CROSS SLOPE OF 1:50.

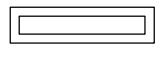
5. ALL NON-PAVED AREAS DAMAGED AS A RESULT OF NEW WORK SHALL BE RE-PLANTED W/GRASS TO MATCH EXST. ADJ. GRASS AREAS.

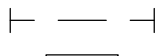
6. CONTRACTOR SHALL TONE FOR UTILITY LINES IN ALL AREAS OF THE SITE THAT WILL BE AFFECTED BY THE WORK.
7. ALL DIMENSIONS ARE TAKEN FROM THE FACE OF FINISH UNLESS OTHERWISE NOTED.


8. CONTRACTOR SHALL PAINT ALL UNFINISHED SURFACES, UNLESS OTHERWISE NOTED.

LEGEND (THIS SHEET)

-  SUSPENDED LIGHT FIXTURE

 CEILING MOUNTED LIGHT FIXTURE

 UNDER CABINET

 LAY-IN LIGHT FIXTURE


 EXTERIOR GRADE WALL SCONCE

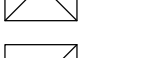
 EXIT LIGHT, WALL MOUNTED


 EXIT LIGHT, CEILING MOUNTED W/DIRECTIONAL ARROWS


 SMOKE DETECTOR


 TUBULAR DAYLIGHTING DEVICE W/DIMMABLE SWITCH


 EXHAUST FAN
-  SUPPLY AIR DIFFUSER


 RETURN AIR REGISTER


 SUSPENDED ACOUSTICAL CEILING TILE


 GYP BD CEILING


 FAN COIL UNIT ABOVE CEILING

 FULL HEIGHT PARTITION

 PARTIAL HEIGHT PARTITION

 RECESSED LIGHT FIXTURE

 EMERGENCY LIGHT

 1-HR RATED PARTITION

KEYNOTE NO.

KEYNOTES (THIS SHEET)

- 1

OUTSIDE AIR INTAKE LOUVER. SEE STRUCT & MECH DRWG.
- 2

METAL AWNING W/ GUTTER.
- 3

SUSPENDED FAN COIL UNIT AND DUCT, TYP. SEE MECH DRWG.
- 4

PAINT EXST STRUCTURAL FRAMING AS SCHEDULED, TYP.
- 5

FIRE DAMPER. SEE MECH & ELEC DRWG.
- 6

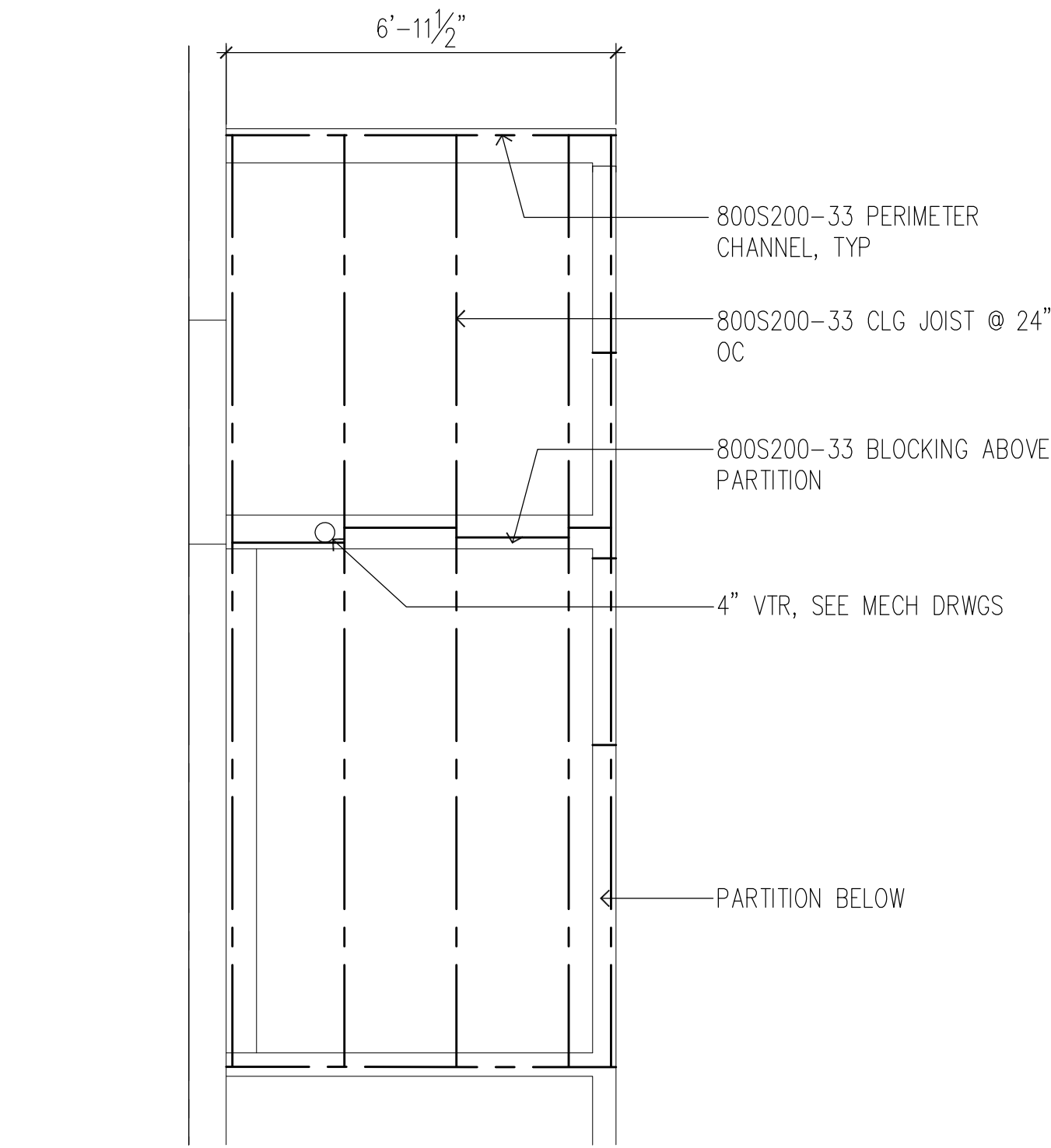
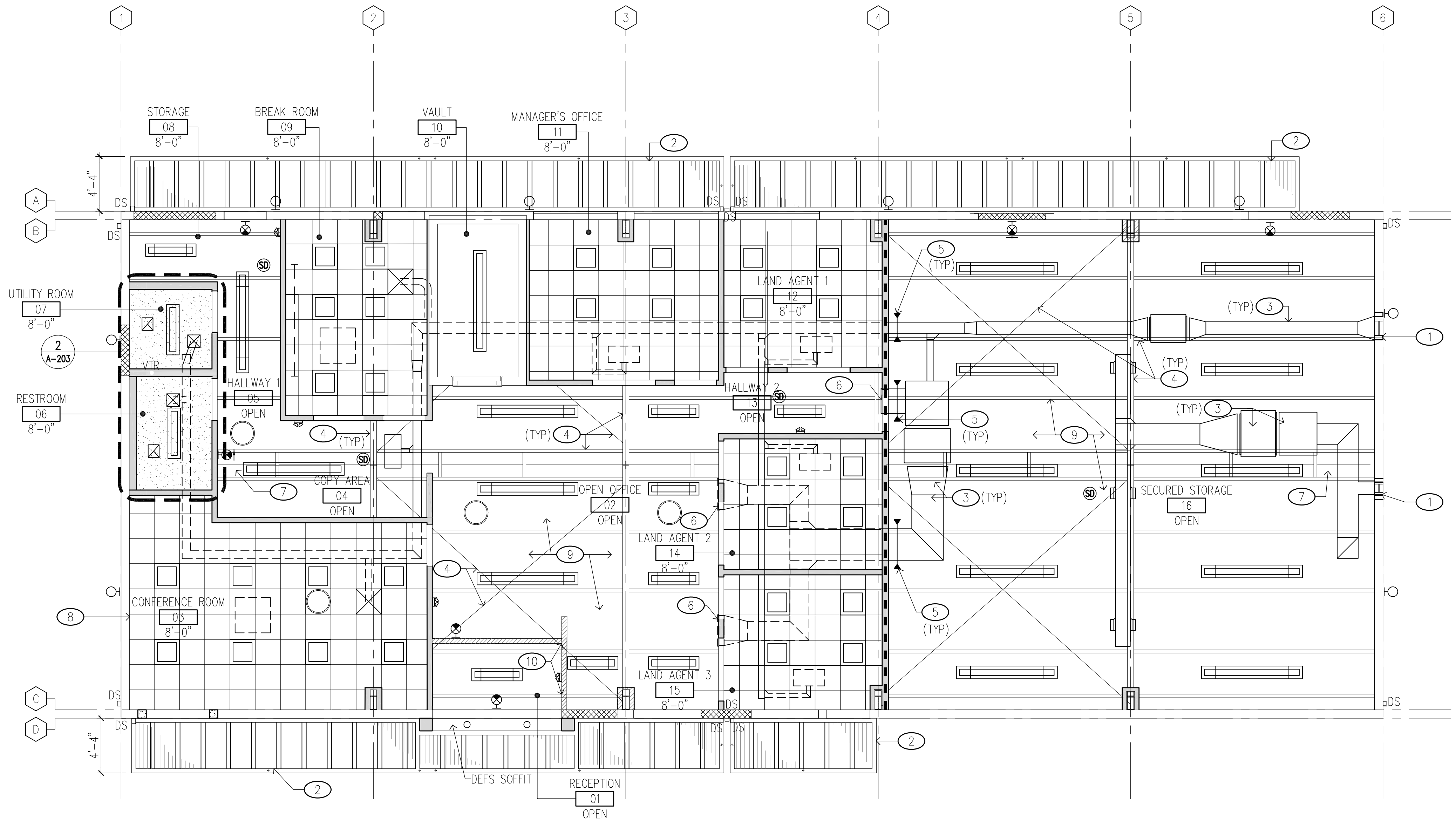
WALL MOUNTED REGISTER. SEE MECH DRWG.
- 7

BENT PLATE, SEE STRUCT DRWG.
- 8

REPLACE CORRODED ANGLE LEDGER. SEE STRUCT DRWG.
- 9

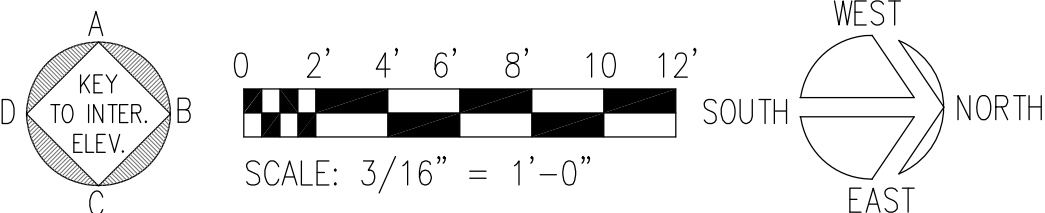
MET ROOF DECKING NO PAINT.
- 10



PARTIAL HEIGHT PARTITION BELOW.

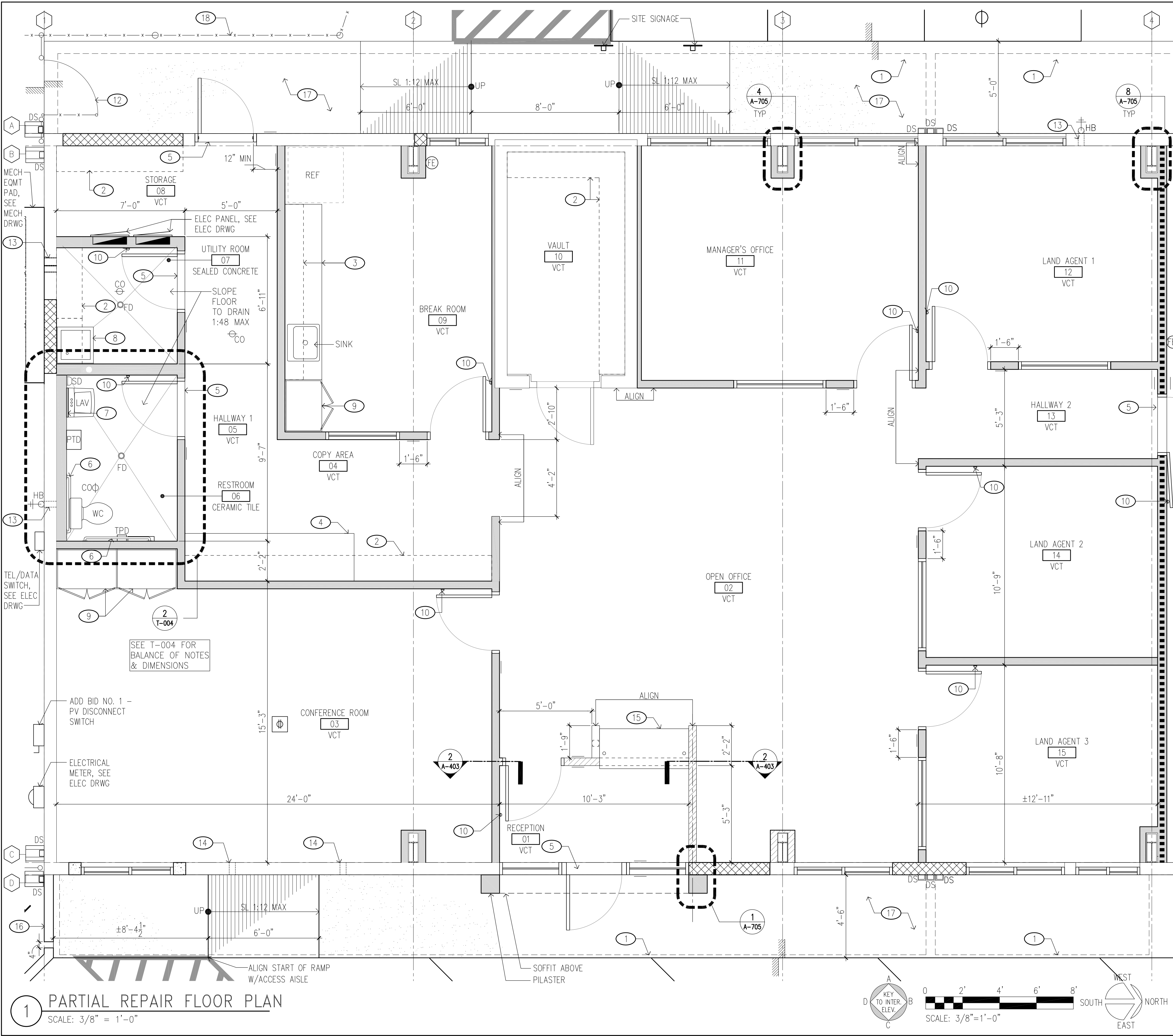


2 CEILING FRAMING PLAN
SCALE: 3/8" = 1'-0"
0 2' 4' 6'
SCALE: 3/8" = 1'-0"

1 REPAIR REFLECTED CEILING PLAN
SCALE: 3/16" = 1'-0"



REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION					
HAWAII DISTRICT LAND OFFICE HILO, HAWAII					
REPAIR REFLECTED CEILING PLAN					
DESIGNED: KK		SUBMITTED: 			
DRAWN: KA, TW, WL		DATE: NOVEMBER 2022			
CHECKED: FE		SCALE: AS NOTED			
APPROVED: 		Carty Chang E-signed 2022-11-28 04:17PM HST carty.s.chang@hawaii.gov State of Hawaii		DRAWING NO. A-203	
CHIEF ENGINEER		Chief Engineer			



GENERAL NOTES

- 1. ALL WORK SHOWN IS NEW UNLESS OTHERWISE NOTED.
- 2. SEE SHEET T-002 FOR ADDITIONAL NOTES AND REQUIREMENTS.
- 3. SEE MECHANICAL, STRUCTURAL & ELECTRICAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- 4. CONCRETE/ASPHALT PAVED WALKWAYS SHALL NOT EXCEED THE FOLLOWING SLOPES:
 - IN DIRECTION OF TRAVEL 1:20, UNLESS OTHERWISE NOTED.
 - CROSS SLOPE OF 1:50.
- 5. ALL NON-PAVED AREAS DAMAGED AS A RESULT OF NEW WORK SHALL BE RE-PLANTED W/GRASS TO MATCH EXST. ADJ. GRASS AREAS.
- 6. CONTRACTOR SHALL TONE FOR UTILITY LINES IN ALL AREAS OF THE SITE THAT WILL BE AFFECTED BY THE WORK.
- 7. ALL DIMENSIONS ARE TAKEN FROM THE FACE OF FIN. UNLESS OTHERWISE NOTED.
- 8. CONTRACTOR SHALL PAINT ALL UNFINISHED SURFACES, UNLESS OTHERWISE NOTED.

LEGEND (THIS SHEET)

- (FE) FIRE EXTINGUISHER
- (O) FLOOR POWER & DATA OUTLET
- [Solid Line] FULL HEIGHT PTN
- [Hatched Box] 7'-1" HEIGHT PTN
- [Dashed Box] 4'-0" HEIGHT PTN
- [Cross-hatched Box] CONCRETE MASONRY
- [Dotted Line] 1-HR RATED PARTITION

KEYNOTES (THIS SHEET)

- (1) METAL AWNING ABOVE.
- (2) OPEN SHELVING.
- (3) BASE & WALL HUNG CASEWORK.
- (4) COUNTERTOP W/ CUBBY STORAGE BELOW
- (5) THRESHOLD.
- (6) GRAB BAR.
- (7) MIRROR.
- (8) MOP SINK.
- (9) FULL HEIGHT CASEWORK.
- (10) WALL STOP, TYP.
- (11) NOT USED.
- (12) CHAINLINK GATE FOR MAINTENANCE.
- (13) SEAL AROUND WALL PENETRATIONS.
- (14) PATCH & REPAIR AROUND FOOTING PENETRATIONS, SEE STRUCT DRWG.
- (15) TRANSACTION COUNTER.
- (16) CONC CURB.
- (17) CONC WALKWAY.
- (18) CHAIN LINK FENCE.

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
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THIS LICENSE EXPIRES APRIL 30, 2024

Fred K. Erskine

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
ENGINEERING DIVISION

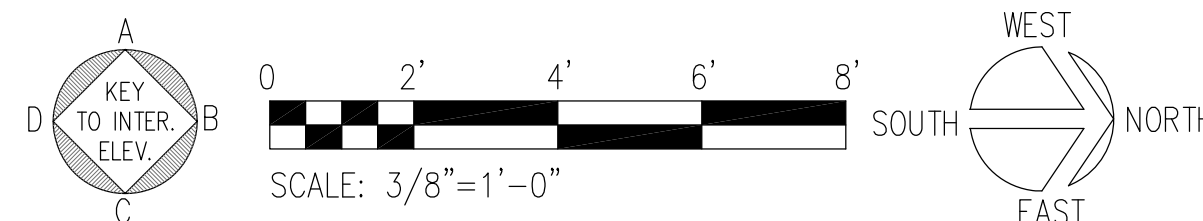
HAWAII DISTRICT LAND OFFICE
HILO, HAWAII

PARTIAL REPAIR FLOOR PLAN

DESIGNED: KK	SUBMITTED: <i>[Signature]</i>
DRAWN: KA, TW, WL	DATE: NOVEMBER 2022
CHECKED: FE	SCALE: AS NOTED
APPROVED: <i>[Signature]</i> Carty Chang E-signed 2022-11-28 04:17PM HST carty.s.chang@hawaii.gov State of Hawaii	DRAWING NO. A-204



SCALE: $3/8" = 1'-0"$



THIS LICENSE EXPIRES APRIL 30, 2021

Fred K. Ewing

SIGNATURE _____

THIS WORK WAS PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION

SUPERVISION AND CONSTRUCTION OF THIS PROJECT
WILL BE UNDER MY OBSERVATION. (OBSERVATION
CONSTRUCTION AS DEFINED IN CHAPTER 16-

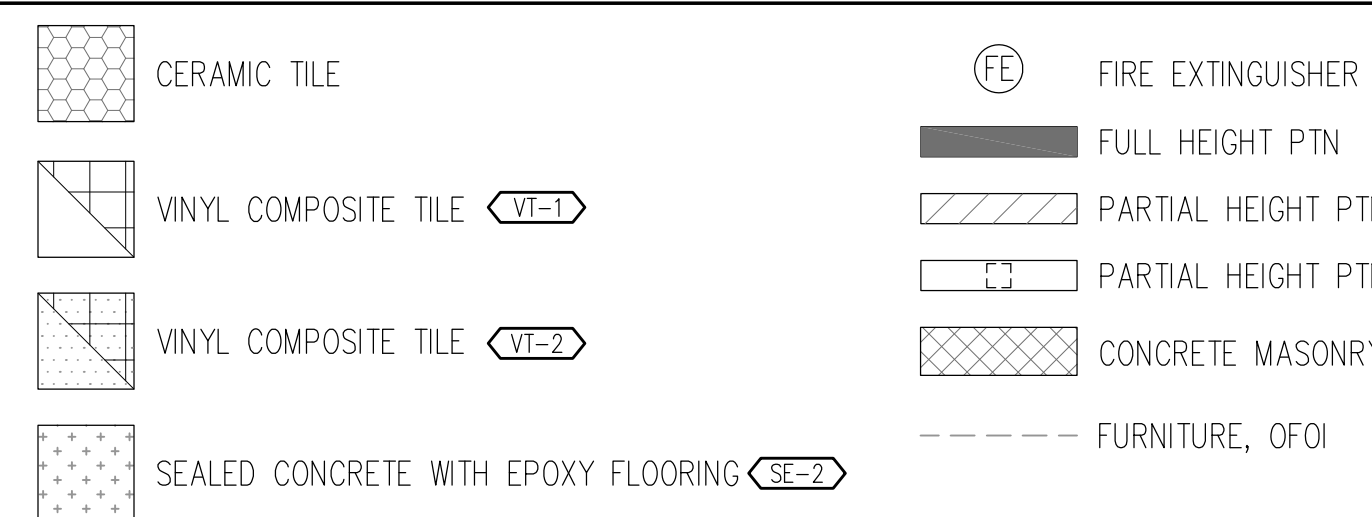
THE HAWAII ADMINISTRATIVE RULES, DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS ENGINEERING PROFESSIONAL ENGINEERS, ARCHITECTS, SURVEYORS

AND LANDSCAPE ARCHITECTS).

GENERAL NOTES

1. ALL WORK SHOWN IS NEW UNLESS OTHERWISE NOTED.
2. SEE SHEET T-002 FOR ADDITIONAL NOTES AND REQUIREMENTS.
3. SEE MECHANICAL, STRUCTURAL & ELECTRICAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
4. CONCRETE/ASPHALT PAVED WALKWAYS SHALL NOT EXCEED THE FOLLOWING SLOPES:
-IN DIRECTION OF TRAVEL 1:20, UNLESS OTHERWISE NOTED.
-CROSS SLOPE OF 1:50.
5. ALL NON-PAVED AREAS DAMAGED AS A RESULT OF NEW WORK SHALL BE RE-PLANTED W/GRASS TO MATCH EXST. ADJ. GRASS AREAS.
6. CONTRACTOR SHALL TONE FOR UTILITY LINES IN ALL AREAS OF THE SITE THAT WILL BE AFFECTED BY THE WORK.
7. ALL DIMENSIONS ARE TAKEN FROM THE FACE OF FIN. UNLESS OTHERWISE NOTED.
8. CONTRACTOR SHALL PAINT ALL UNFINISHED SURFACES, UNLESS OTHERWISE NOTED.
9. FF&E TO BE FURNISHED AND INSTALLED BY THE STATE.

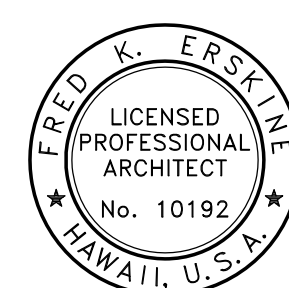
LEGEND (THIS SHEET)



KEYNOTES (THIS SHEET)

1	CHAINLINK GATE FOR MAINTENANCE
2	METAL AWNING ABOVE
3	TRANSACTION COUNTER
4	COUNTER TOP W/ CUBBY STORAGE BELOW

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROV.
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STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
ENGINEERING DIVISION

HAWAII DISTRICT LAND OFFICE
HILO, HAWAII

FURNITURE AND FINISH FLOOR PLAN

DESIGNED: KK

DRAWN: KA. TW. WL

CHECKED: EE

APPROVED:

APPROVED:

CHIEF ENGINEER

Carty Chang

E-signed 2022-11-28 04:17PM HS

carty.s.chang@hawaii.gov

State of Hawaii
Chief Engineer

DRAWING NC

A 005

A-205

JOB NO. E00BH30A

SHEET NO. 28 OF 77 SHEETS

GENERAL NOTES

1. ALL WORK SHOWN IS NEW UNLESS OTHERWISE NOTED.

2. SEE SHEET T-002 FOR ADDITIONAL NOTES AND REQUIREMENTS.

3. SEE CIVIL, LANDSCAPE, MECHANICAL, STRUCTURAL & ELECTRICAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.

4. CONCRETE/ASPHALT PAVED WALKWAYS SHALL NOT EXCEED THE FOLLOWING SLOPES:
-IN DIRECTION OF TRAVEL 1:20, UNLESS OTHERWISE NOTED.
-CROSS SLOPE OF 1:50.

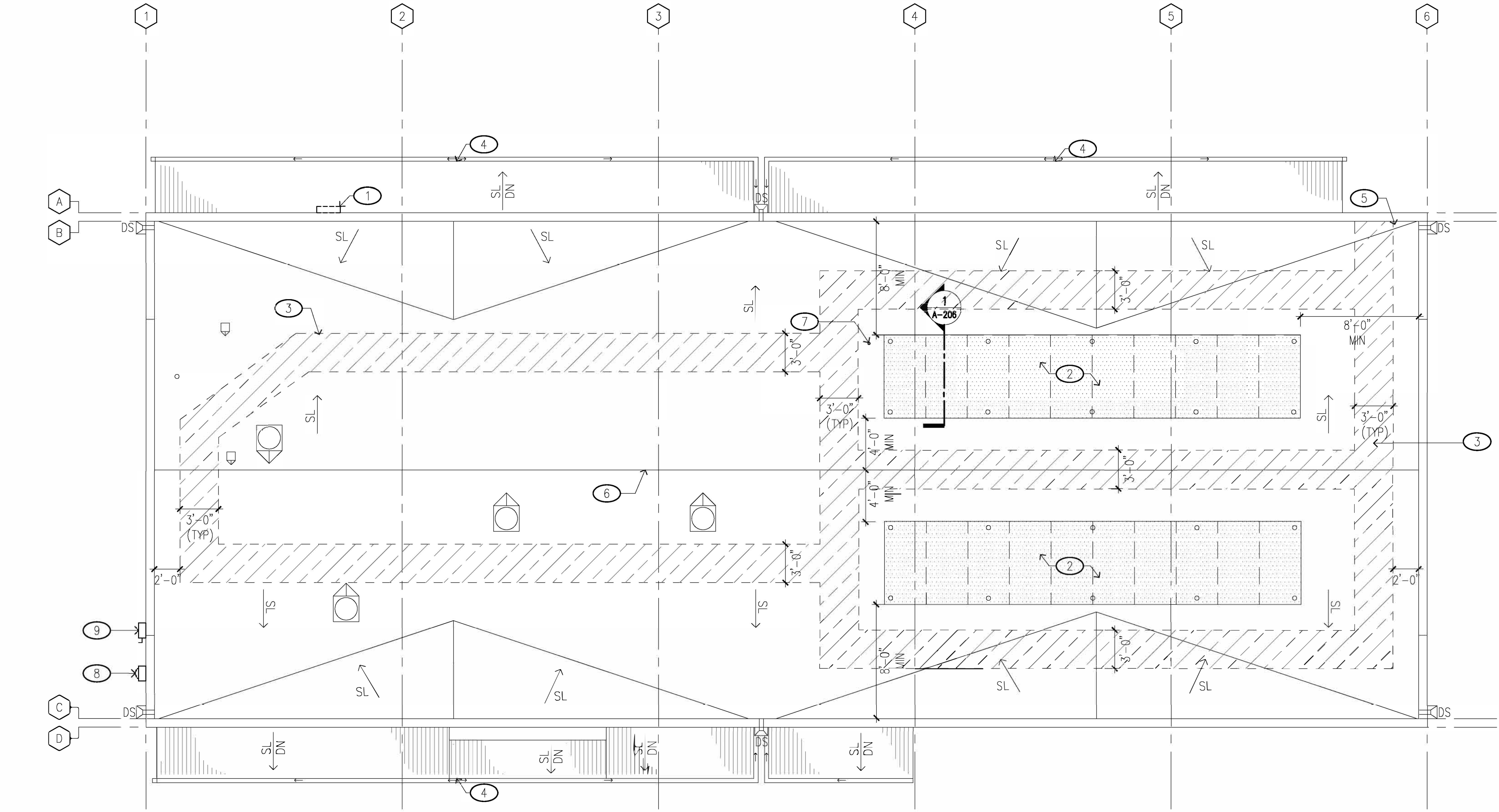
5. ALL NON-PAVED AREAS DAMAGED AS A RESULT OF NEW WORK SHALL BE RE-PLANTED W/GRASS TO MATCH EXST. ADJ. GRASS AREAS.

6. CONTRACTOR SHALL TONE FOR UTILITY LINES IN ALL AREAS OF THE SITE THAT WILL BE AFFECTED BY THE WORK.
7. ALL DIMENSIONS ARE TAKEN FROM THE FACE OF FIN. UNLESS OTHERWISE NOTED.

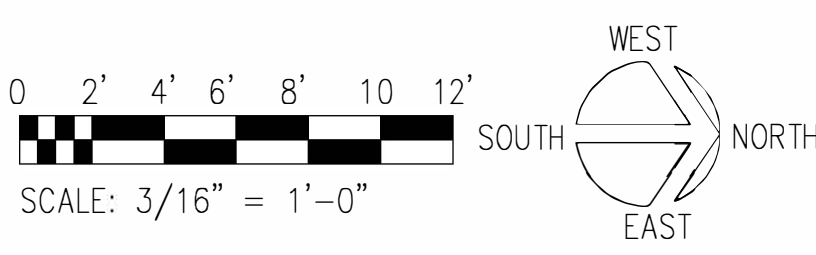
8. CONTRACTOR SHALL PAINT ALL UNFINISHED SURFACES, UNLESS OTHERWISE NOTED.

LEGEND (THIS SHEET)

- TUBULAR DAYLIGHTING DEVICE W/CRICKET
- GOOSENECK EXHAUST W/CRICKET
- VENT-THRU-ROOF
- LEADERBOX & DOWNSPOUT
- PHOTOVOLTAIC SYSTEM
- WALKWAY PAD



1 PHOTOVOLTAIC SYSTEM (ADDITIVE BID NO. 3)
SCALE: 3/16" = 1'-0"



KEYNOTES (THIS SHEET)

- 1

EXTERIOR GRADE METER, DISCONNECT & INVERTER BELOW AWNING. SEE ELEC DRWG.
- 2

APPROXIMATE AREA AND AMOUNT OF PHOTOVOLTAIC (PV) ARRAY. CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF FINAL PV SYSTEM. SEE SPECIFICATIONS.
- 3

WALKING PAD FOR MAINTENANCE.
- 4

METAL AWNING WITH GUTTER BELOW.
- 5

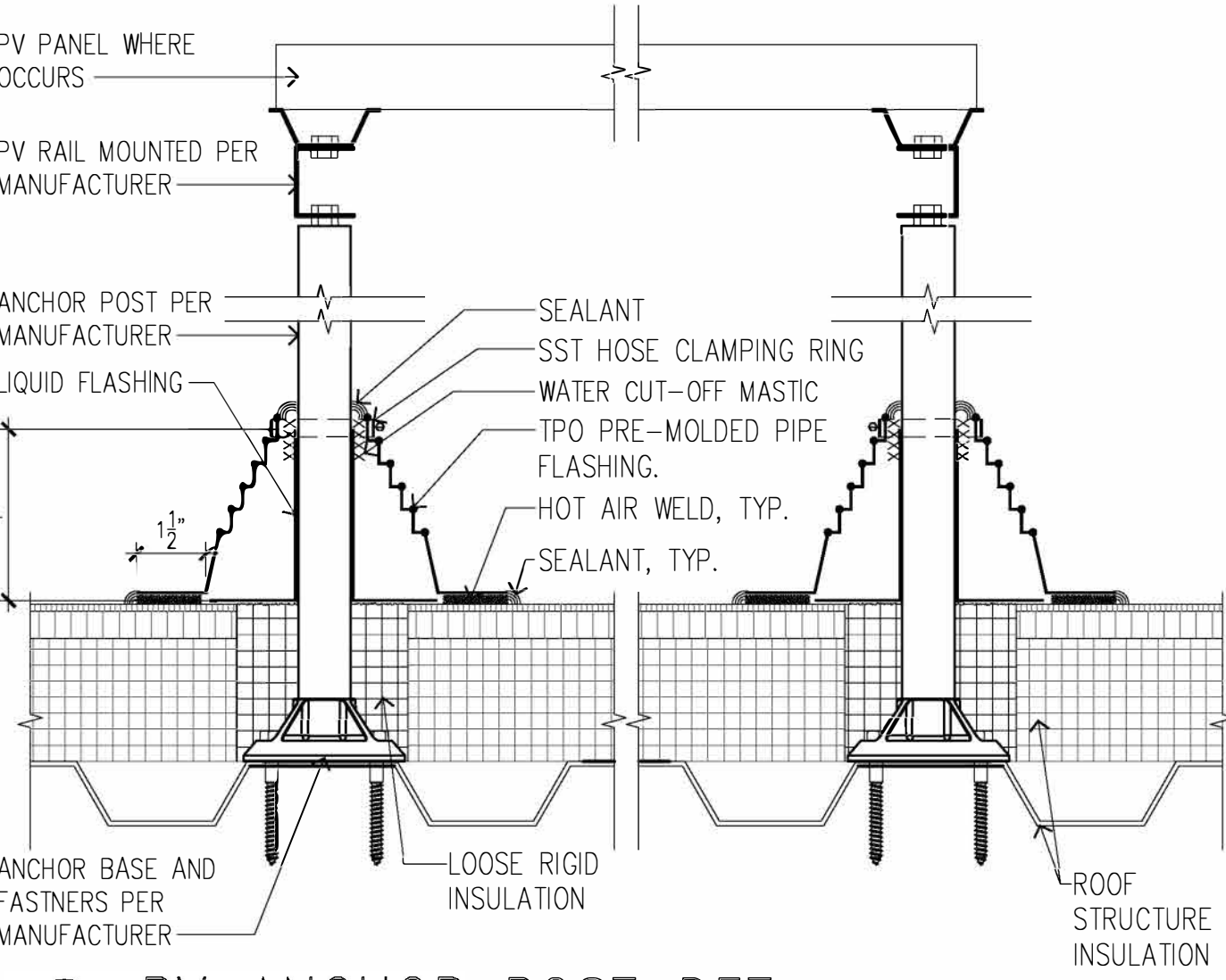
ROOF ACCESS POINT.
- 6

ROOF RIDGE.
- 7

CONDUIT THROUGH ROOF FOR PV SYSTEM.
- 8

ELECTRICAL METER BELOW.
- 9

PV DISCONNECT SWITCH BELOW.



1 PV ANCHOR POST DET
SCALE: 3" = 1'-0"

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION					
HAWAII DISTRICT LAND OFFICE HILO, HAWAII					
ADDITIVE BID NO. 1 - PV SYSTEM					
DESIGNED: KK		SUBMITTED:			
DRAWN: KA, TW, WL		DATE: NOVEMBER 2022			
CHECKED: FE		SCALE: AS NOTED			
APPROVED:		Carty Chang E-signed 2022-11-28 04:17PM HST		DRAWING NO. A-206	
CHIEF ENGINEER		State of Hawaii			

GENERAL NOTES

1. ALL WORK SHOWN IS NEW UNLESS OTHERWISE NOTED.

2. SEE SHEET T-002 FOR ADDITIONAL NOTES AND REQUIREMENTS.

3. SEE CIVIL, LANDSCAPE, MECHANICAL, STRUCTURAL & ELECTRICAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.

4. CONCRETE/ASPHALT PAVED WALKWAYS SHALL NOT EXCEED THE FOLLOWING SLOPES:
-IN DIRECTION OF TRAVEL 1:20, UNLESS OTHERWISE NOTED.
-CROSS SLOPE OF 1:50.

5. ALL NON-PAVED AREAS DAMAGED AS A RESULT OF NEW WORK SHALL BE RE-PLANTED W/GRASS TO MATCH EXST. ADJ. GRASS AREAS.

6. CONTRACTOR SHALL TONE FOR UTILITY LINES IN ALL AREAS OF THE SITE THAT WILL BE AFFECTED BY THE WORK.
7. ALL DIMENSIONS ARE TAKEN FROM THE FACE OF FIN. UNLESS OTHERWISE NOTED.

8. CONTRACTOR SHALL PAINT ALL UNFINISHED SURFACES, UNLESS OTHERWISE NOTED.

9. ALL EXTERIOR CMU WALLS SHALL BE SEALED, PRIMED, AND PAINTED AS SPECIFIED.

LEGEND (THIS SHEET)

- PAINTED CMU

DEFS FINISH

WALL SCONCE

SAFETY DISCONNECT SWITCH

TEL/DATA SWITCH

HELCO METER
- X

OPERABLE WINDOW PANEL
- O

FIXED WINDOW PANEL

KEYNOTE NO.

KEYNOTES (THIS SHEET)

- 1

DEFS ENTRY, BUILD-OUT.
- 2

METAL AWNING WITH GUTTER & DOWNSPOUT.
- 3

PARAPET COPING.
- 4

METAL DOWNSPOUT & LEADERBOX.
- 5

KEYPAD LOCKSET.
- 6

ROOF RIDGE.
- 7

CONC EQUIPMENT PAD & MECH EQUIPMENT, SEE MECH DRWG.
- 8

EXST CMU WALL PRIME & PAINT AS SCHEDULED.
- 9

CMU INFILL, ALIGN WITH EXST GROUT LINES, PRIME & PAINT AS SCHEDULED.
- 10

WINDOW ASSEMBLY, TYP. SEE IECC 2015 NOTE FOR MORE INFORMATION.
- 11

CONC WALKWAY.
- 12

CONC CURB. SEE CIVIL DRWG.
- 13

METAL DOOR & FRAME PRIME & PAINT.
- 14

STOREFRONT AS SCHEDULED.
- 15

ADA SIGNAGE.
- 16

OUTSIDE AIR INTAKE LOUVER.
- 17

GOOSENECK EXHAUST.
- 18

TUBULAR DAYLIGHTING DEVICE..
- 19

ELECTRONIC GATE & OPERATOR ON CONC PAD.
- 20

DEFS ENTRY BUILD-OUT BEYOND.
- 21

METAL AWNING BEYOND.
- 22

METAL DOWNSPOUT & LEADER BEYOND.
- 23

CONC WALKWAY BEYOND.
- 24

CONC RAMP.
- 25

CONNECT AWNING DOWNSPOUT TO BUILDING DOWNSPOUT FOR DRAINAGE TO LANDSCAPE.
- 26

CONC HEADER, SEE CIVIL DRWG.
- 27

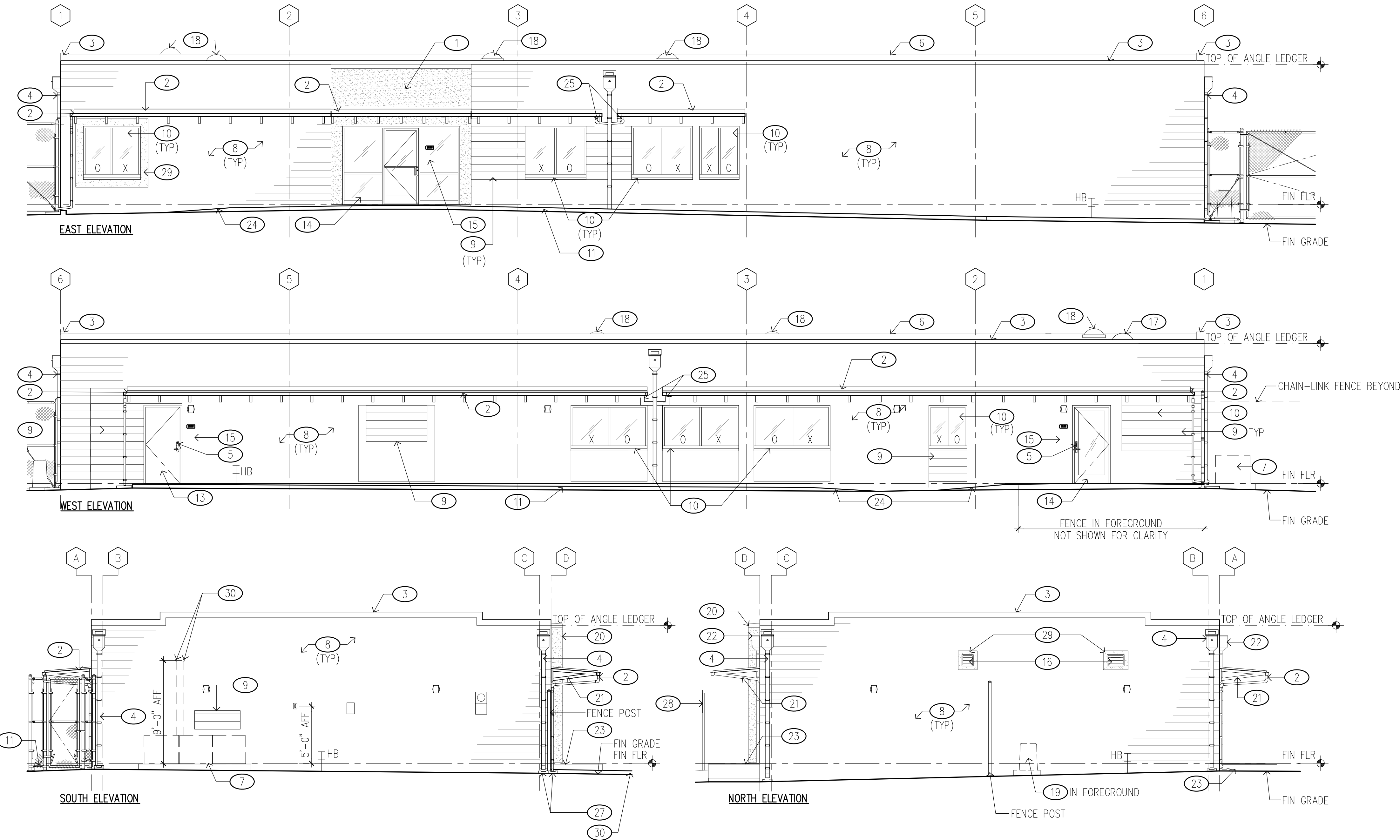
PRE-CAST CONC SPLASH BLOCK.
- 28

SITE SIGNAGE.
- 29

CAST IN PLACE CONCRETE FRAME, SEE STRUCT DRAWINGS.
- 30

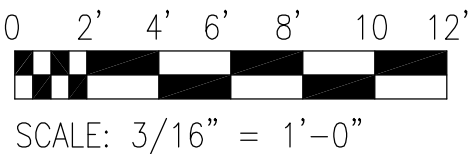
CONC CURB, SEE CIVIL DRWG.
- 30

AC CONDENSATE LINES, PENETRATE ABOVE CEILING



IECC 2015 NOTE:

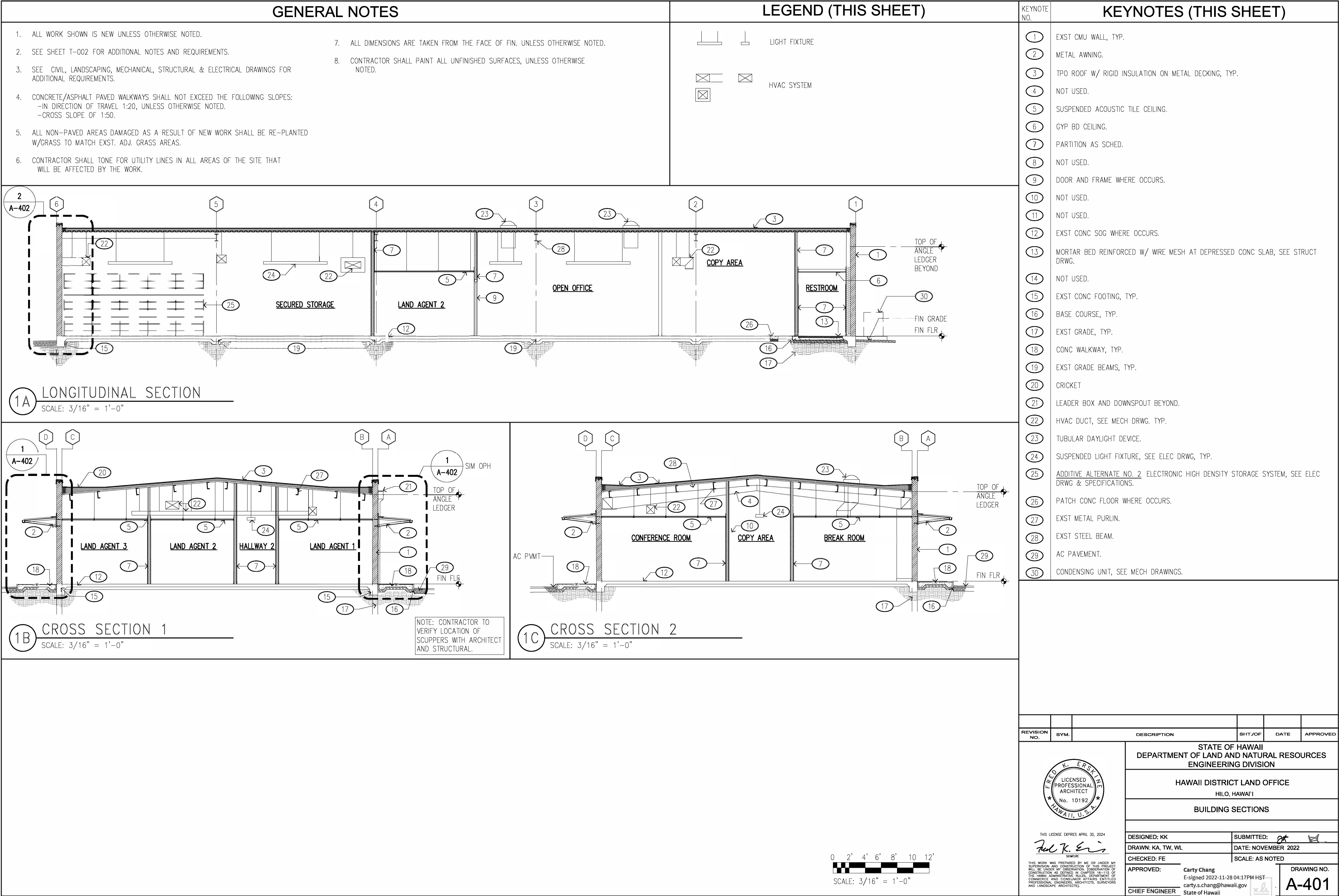
WINDOW AREAS ARE ≤ 30% OF GROSS WALL AREAS

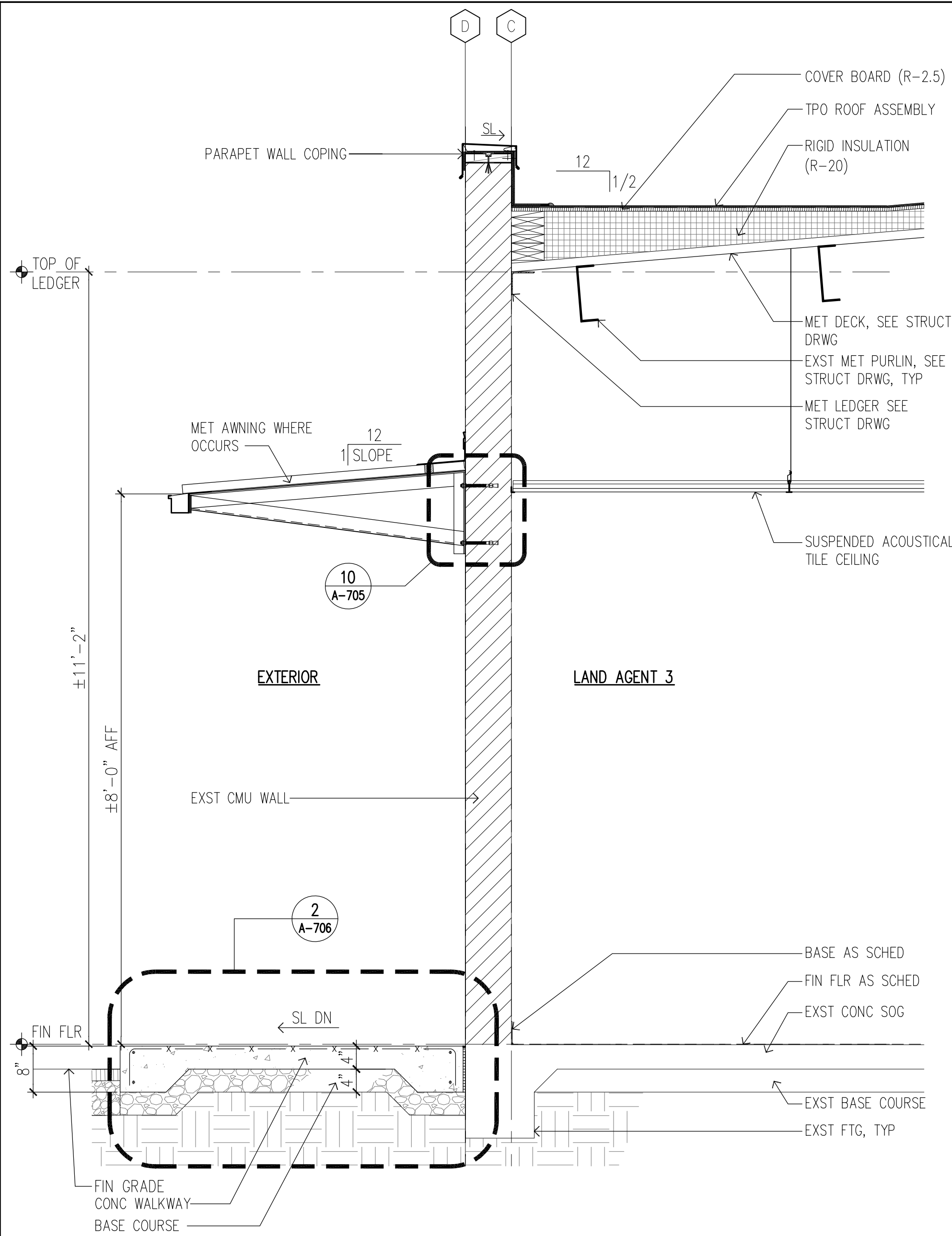


1 EXTERIOR ELEVATIONS

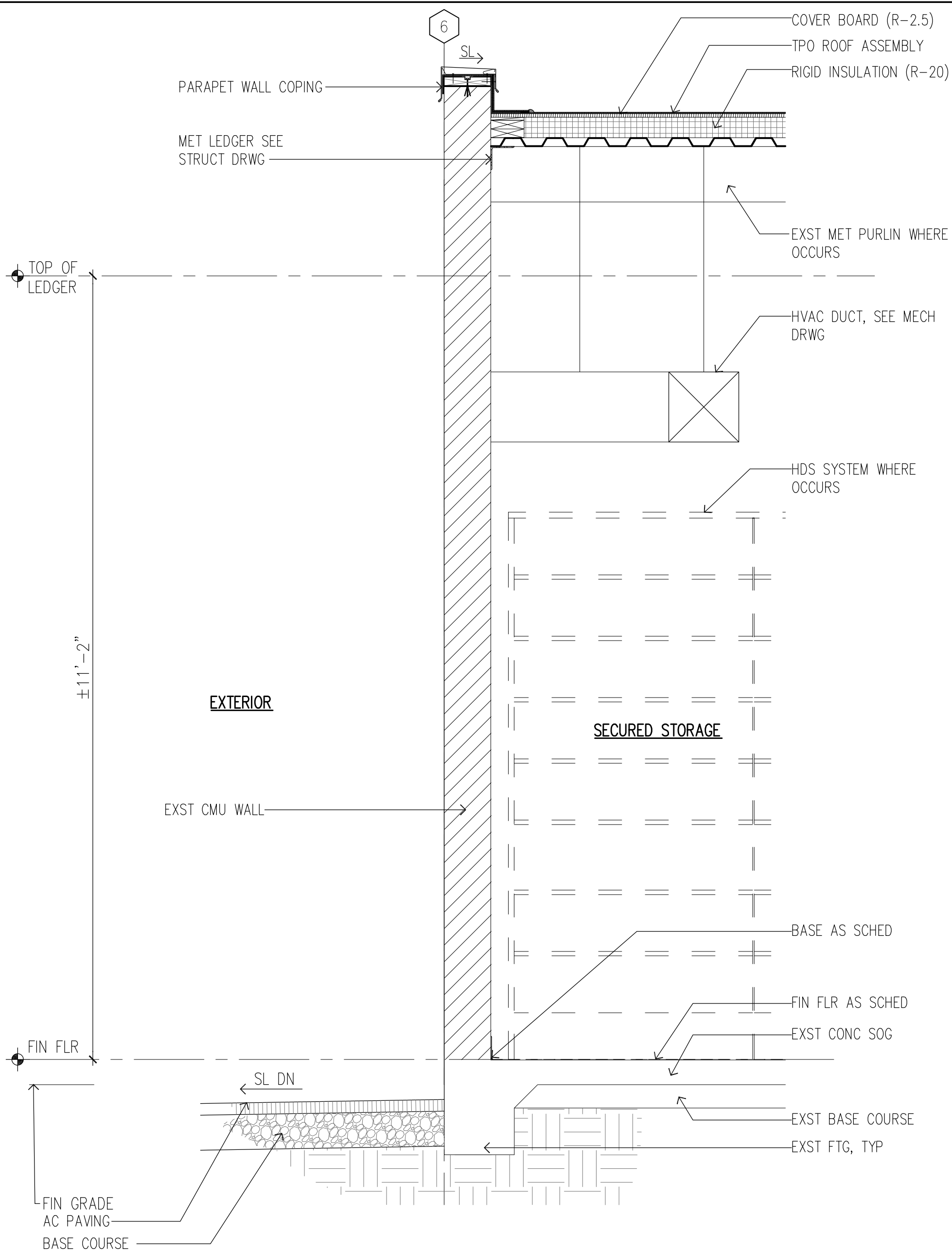
SCALE: 3/16" = 1'-0"

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
<div><div><div><div>STATE OF HAWAII</div><div>DEPARTMENT OF LAND AND NATURAL RESOURCES</div><div>ENGINEERING DIVISION</div></div><div><div>HAWAII DISTRICT LAND OFFICE</div><div>HILO, HAWAII</div></div><div><div>EXTERIOR ELEVATIONS</div></div></div><div><div><div>DESIGNED: KK</div><div>DRAWN: KA, TW, WL</div><div>CHECKED: FE</div><div>APPROVED: Carty Chang</div></div><div><div>THIS LICENSE EXPIRES APRIL 30, 2024</div><div><div>FRED K. ERKINE</div><div>LICENSED PROFESSIONAL ARCHITECT</div><div>No. 10192</div><div>HAWAII, U.S.A.</div></div><div><div>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 CHAPTER 14-115 OF THE HAWAII ADMINISTRATIVE RULES, DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS, ENTITLED PROFESSIONAL ENGINEERS, ARCHITECTS, SURVEYORS AND LANDSCAPE ARCHITECTS.</div></div></div><div><div>SUBMITTED: [Signature]</div><div>DATE: NOVEMBER 2022</div><div>SCALE: AS NOTED</div><div>DRAWING NO. A-301</div></div></div></div>					

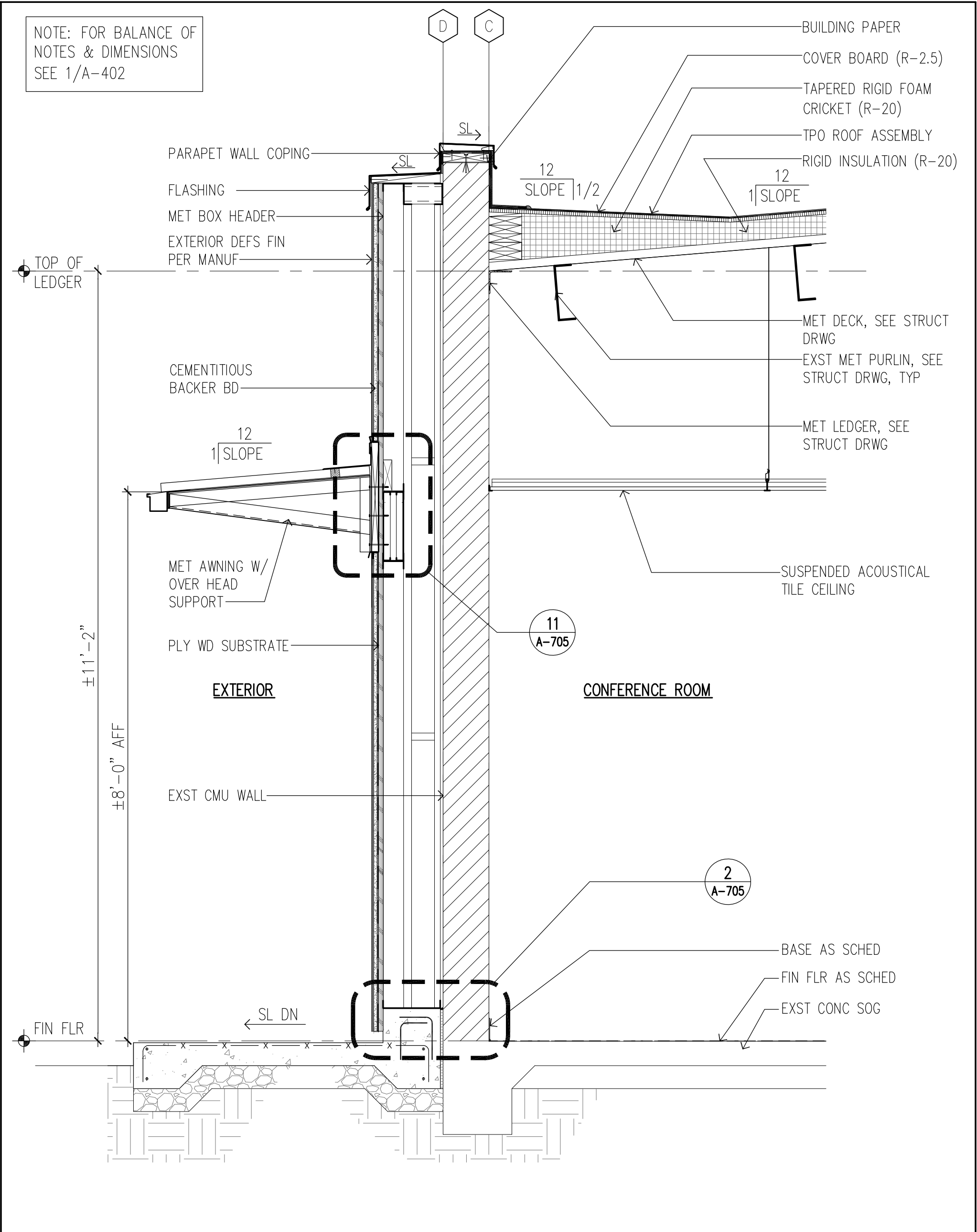




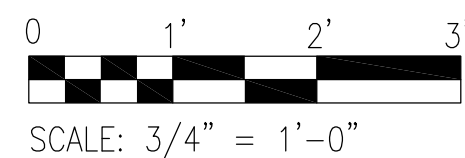
1 WALL SECTION
SCALE: 3/4" = 1'-0"



2 WALL SECTION
SCALE: 3/4" = 1'-0"



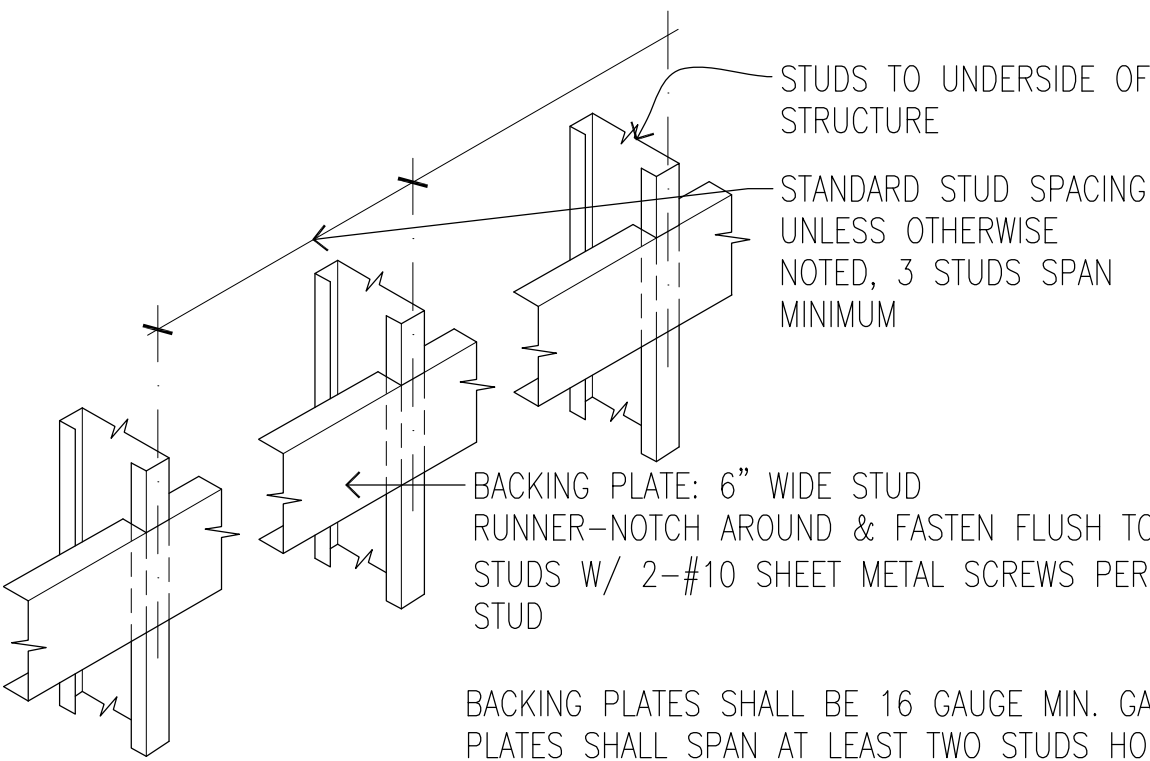
3 WALL SECTION AT DEFs ENTRY BUILD-OUT
SCALE: 3/4" = 1'-0"



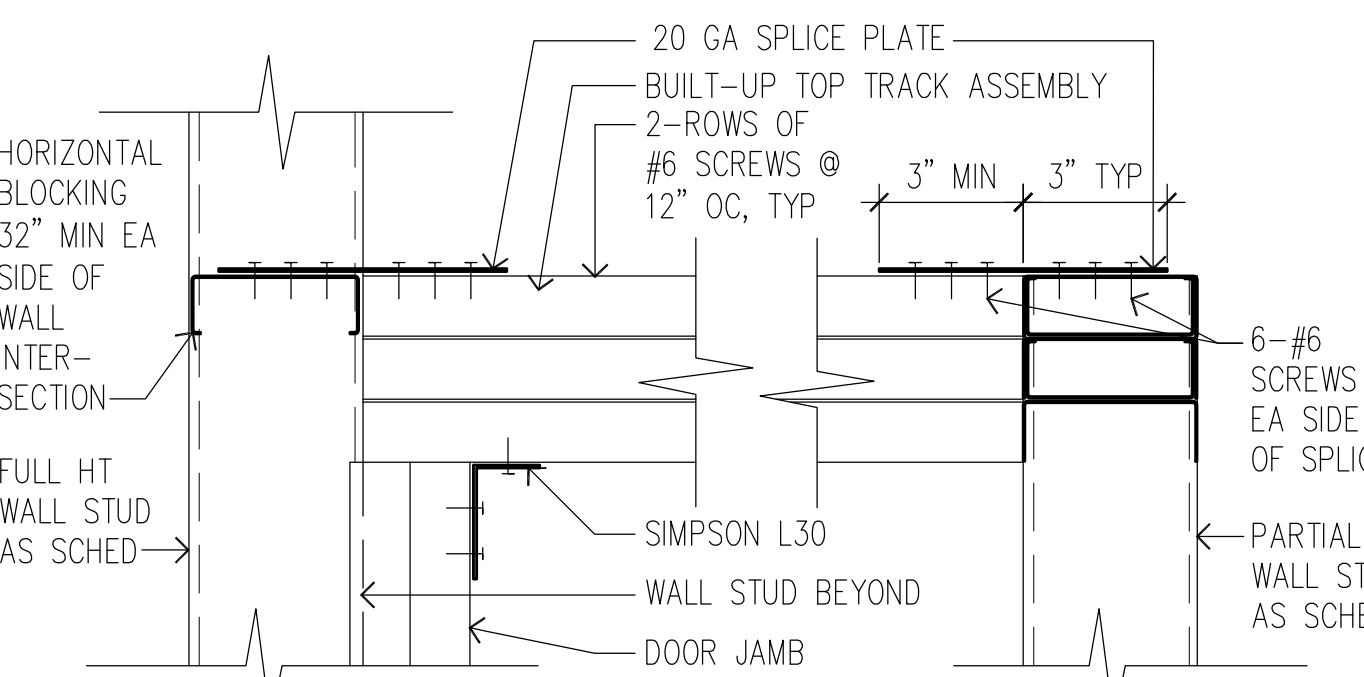
REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION					
HAWAII DISTRICT LAND OFFICE HILO, HAWAII					
WALL SECTIONS					
DESIGNED: KK		SUBMITTED: <i>[Signature]</i>			
DRAWN: KA, TW, WL		DATE: NOVEMBER 2022			
CHECKED: FE		SCALE: AS NOTED			
APPROVED: <i>[Signature]</i>		Carty Chang E-signed 2022-11-28 04:17PM HST carty.s.chang@hawaii.gov State of Hawaii		DRAWING NO. A-402	
CHIEF ENGINEER		Chief Engineer			

PARTITION SCHEDULE NOTES




- PARTITION TYPES INDICATE GENERIC PARTITION CONSTRUCTION, UON.
- CONTRACTOR SHALL FIELD VERIFY REQUIRED FLOOR/CEILING CONNECTION AND INSTALL PARTITIONS TO MAINTAIN SPECIFIED FIRE RATING.
- GYP. BD.: 5/8" THK. TYPE "X" U.O.N.
- SEE DET 1/A403 FOR BACKING PLATE REQUIREMENTS FOR ARTWORK, TOILET ACCESSORIES, GRAB BARS, COUNTERS, CABINETRY AND SHELVING.
- TYPICAL CONDITIONS (UON):
 - TERMINATION: TERMINATE STUDS AT METAL DECK; ALLOW FOR DEFLECTION.
 - PERIMETER RELIEF: WHERE PARTITIONS MEET STRUCTURE OR DISSIMILAR CONSTRUCTION, PROVIDE PERIMETER RELIEF.
- FIRE RATED PARTITION FACE MATERIAL TERMINATIONS: CONTINUOUS FROM TOP OF FLOOR SLAB TO STRUCTURE ABOVE.
- GYPSUM BOARD APPLICATION AND FINISHING SHALL BE PER GYPSUM ASSOCIATION PUBLICATIONS FOR USE AND INSTALLATION.
- ACOUSTICAL PARTITION:
 - TO BE INSTALLED PER ASTM E497, STANDARD PRACTICE FOR INSTALLING SOUND-ISOLATING GYPSUM BOARD PARTITIONS, AND ASTM C919, STANDARD PRACTICE FOR USE OF SEALANTS IN ACOUSTICAL APPLICATIONS.
 - PARTITION SUBSTRATE MATERIAL TERMINATION IS CONTINUOUS FROM TOP OF FLOOR SLAB TO SOFFIT OF STRUCTURE ABOVE.
- PROVIDE WATERPROOFING AT ALL CERAMIC TILE FLOORS AND WAINSCOTS.

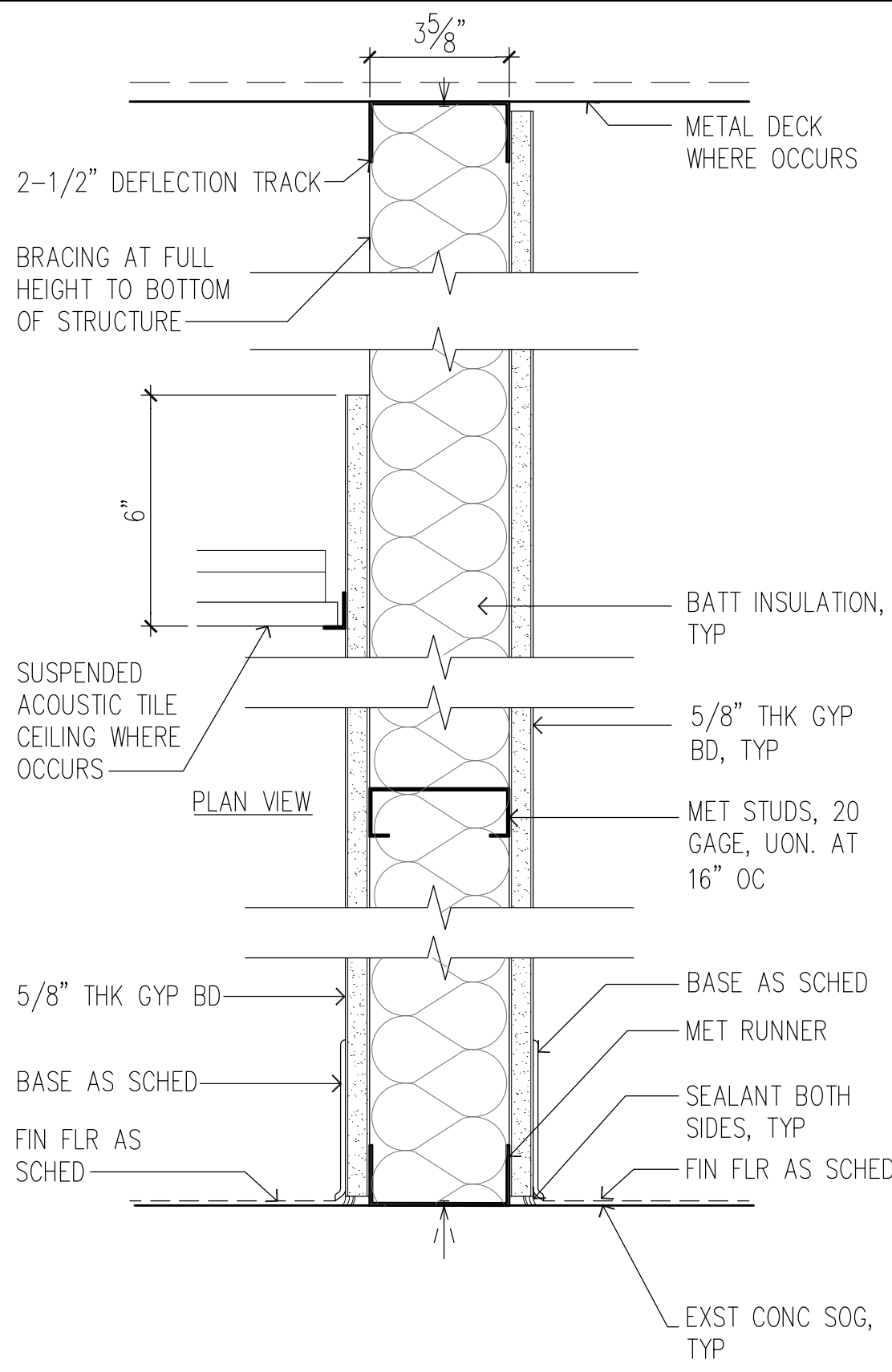


1 BACKING DETAIL
SCALE: 3" = 1'-0"

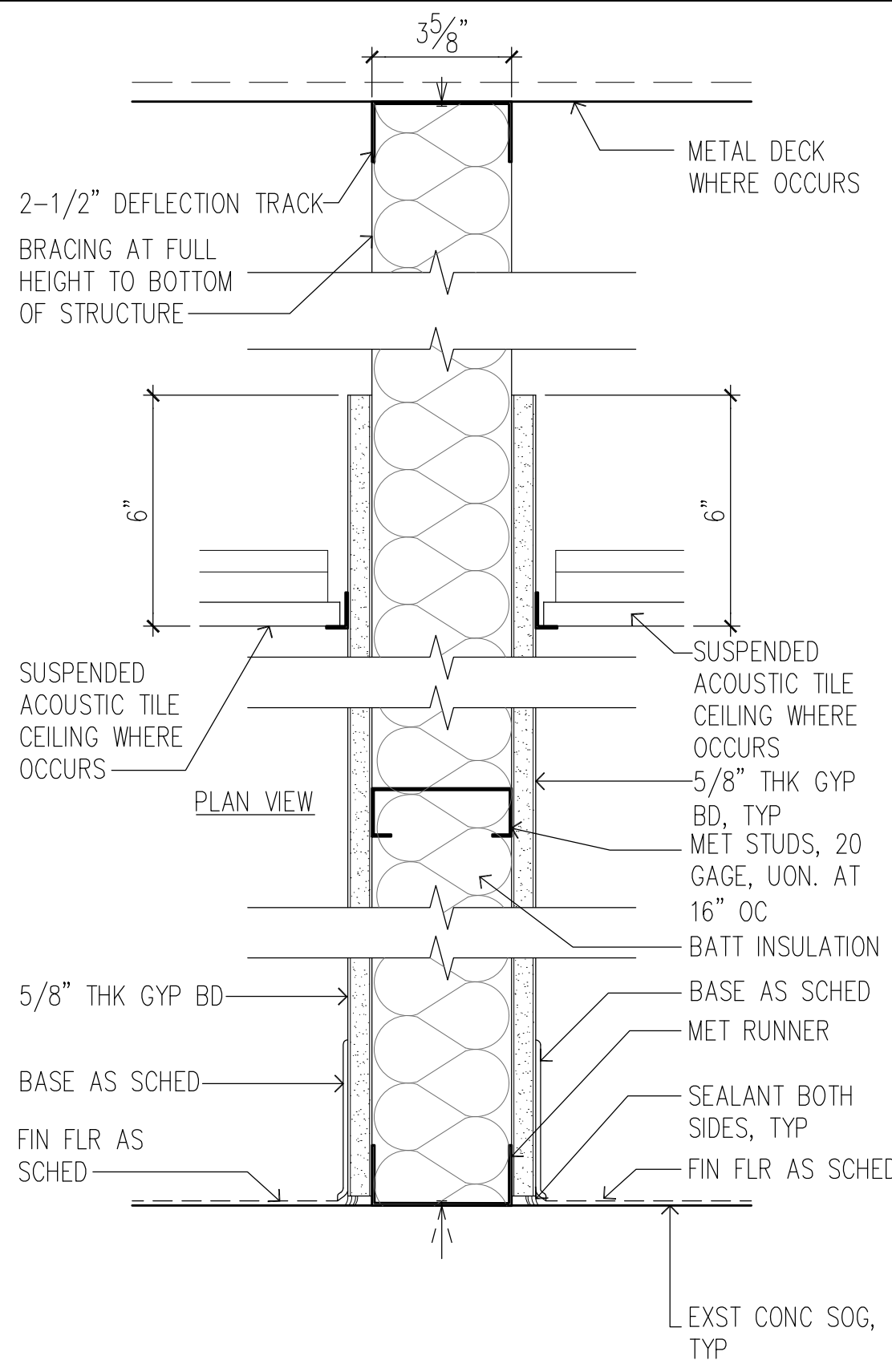


2 INT STUDWALL TOP TRACK CORNER AND END DETAIL
SCALE: 3" = 1'-0"

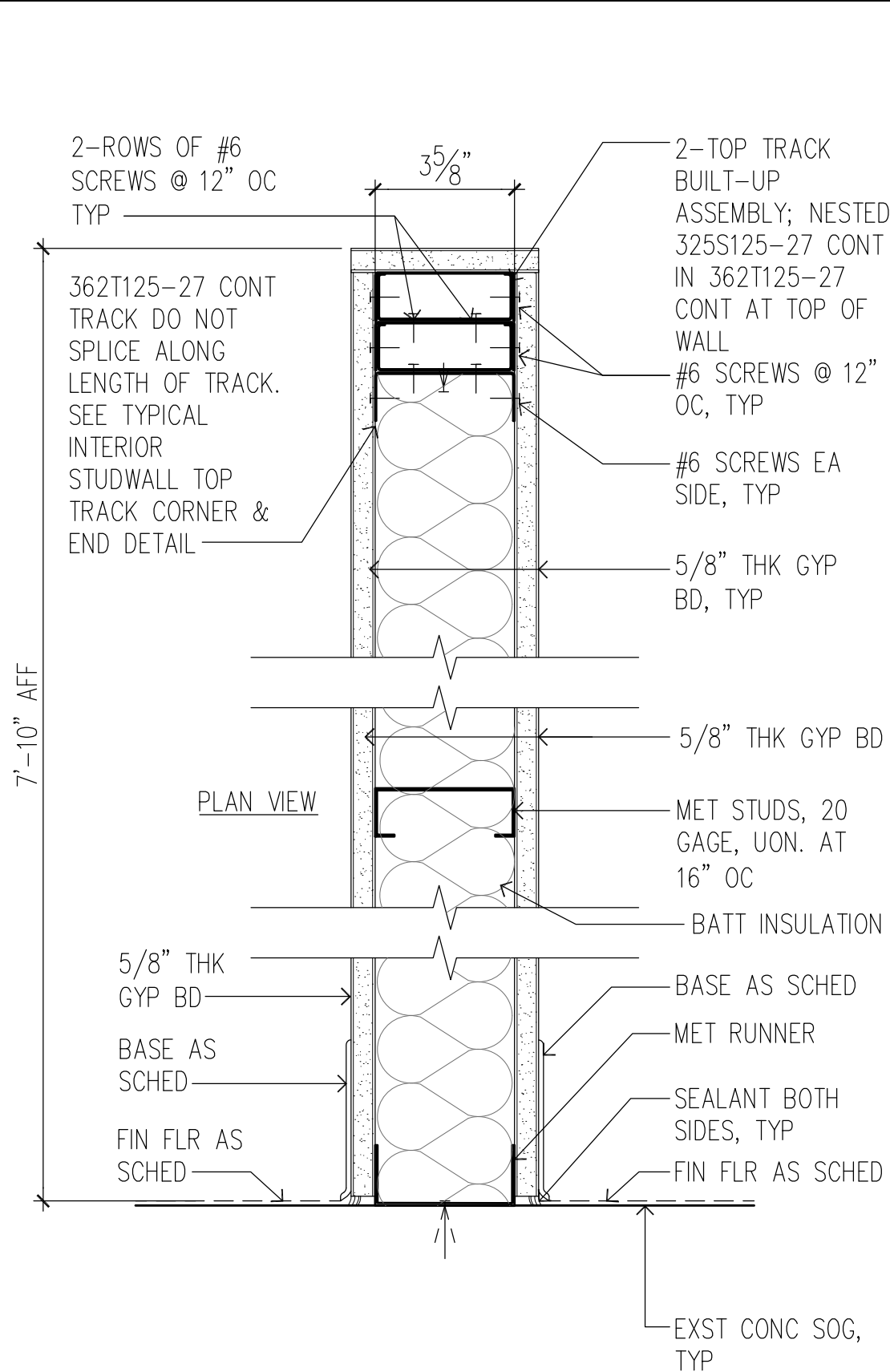
REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
<div><div><div><div><div>F.R.D. K. E. RSKINE</div><div>LICENSED PROFESSIONAL ARCHITECT</div><div>No. 10192</div><div>HAWAII, U.S.A.</div></div><div><div>THIS LICENSE EXPIRES APRIL 30, 2024</div><div></div><div><div>SIGNATURE</div><div>THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. (OBSERVATION OF CONSTRUCTION AS DEFINED IN CHAPTER 16-115 OF THE HAWAII ADMINISTRATIVE RULES, DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS, ENTITLED PROFESSIONAL ENGINEERS, ARCHITECTS, SURVEYORS AND LANDSCAPE ARCHITECTS).</div></div></div></div><div><div>STATE OF HAWAII</div><div>DEPARTMENT OF LAND AND NATURAL RESOURCES</div><div>ENGINEERING DIVISION</div><div>HAWAII DISTRICT LAND OFFICE</div><div>HILO, HAWAII</div><div>PARTITION TYPES</div><div>DESIGNED: KK</div><div>DRAWN: KA, TW, WL</div><div>CHECKED: FE</div><div>APPROVED: <div>Carty Chang</div><div>E-signed 2022-11-28 04:17PM HST</div><div>carty.s.chang@hawaii.gov</div><div>State of Hawaii</div><div></div></div><div>CHIEF ENGINEER</div></div><div><div>SUBMITTED: </div><div>DATE: NOVEMBER 2022</div><div>SCALE: AS NOTED</div><div>DRAWING NO. A-403</div></div></div></div>					
			STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION		
			HAWAII DISTRICT LAND OFFICE HILO, HAWAII		
			PARTITION TYPES		



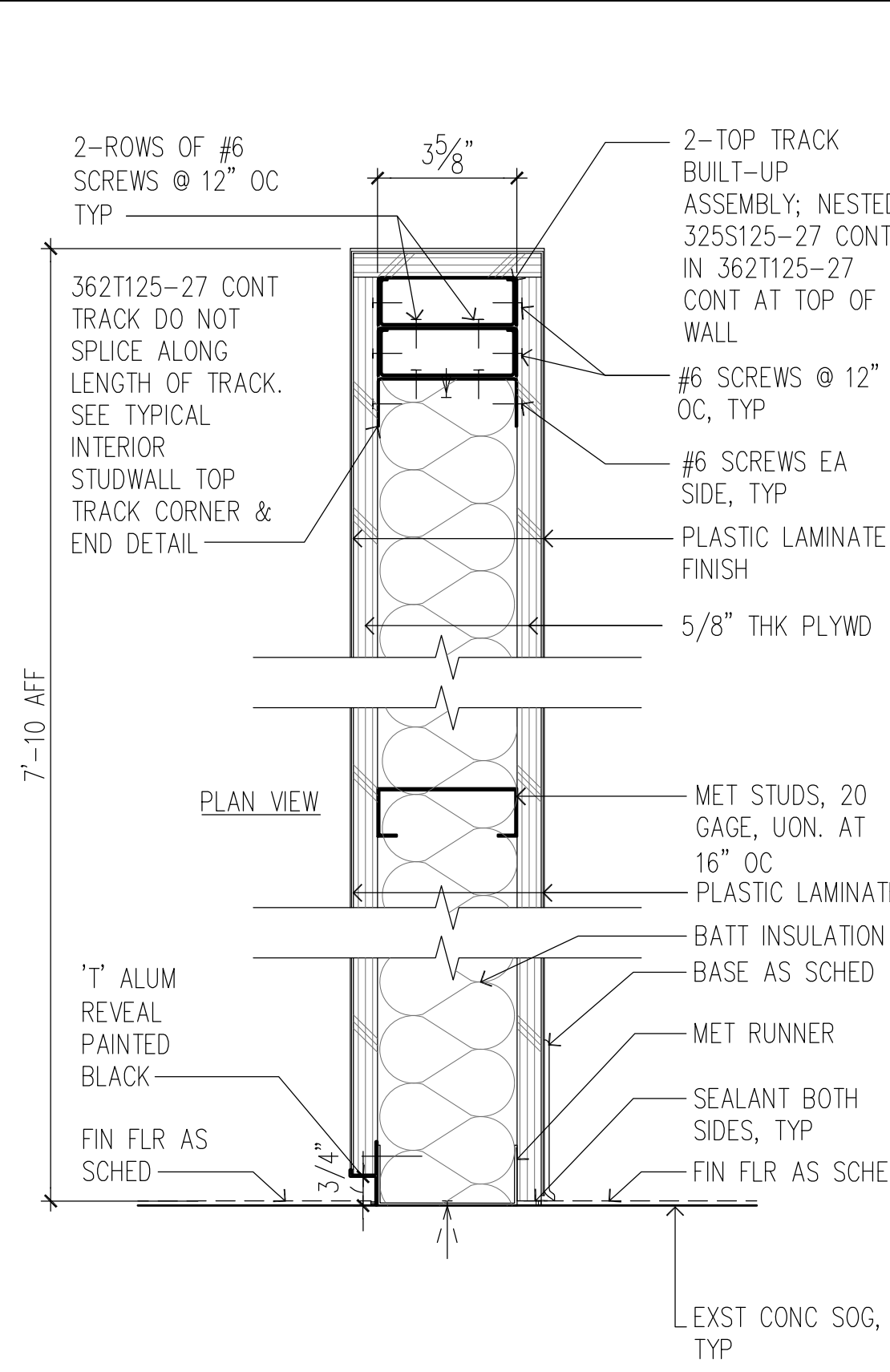
A FULL HEIGHT PARTITION
SCALE: 3" = 1'-0"



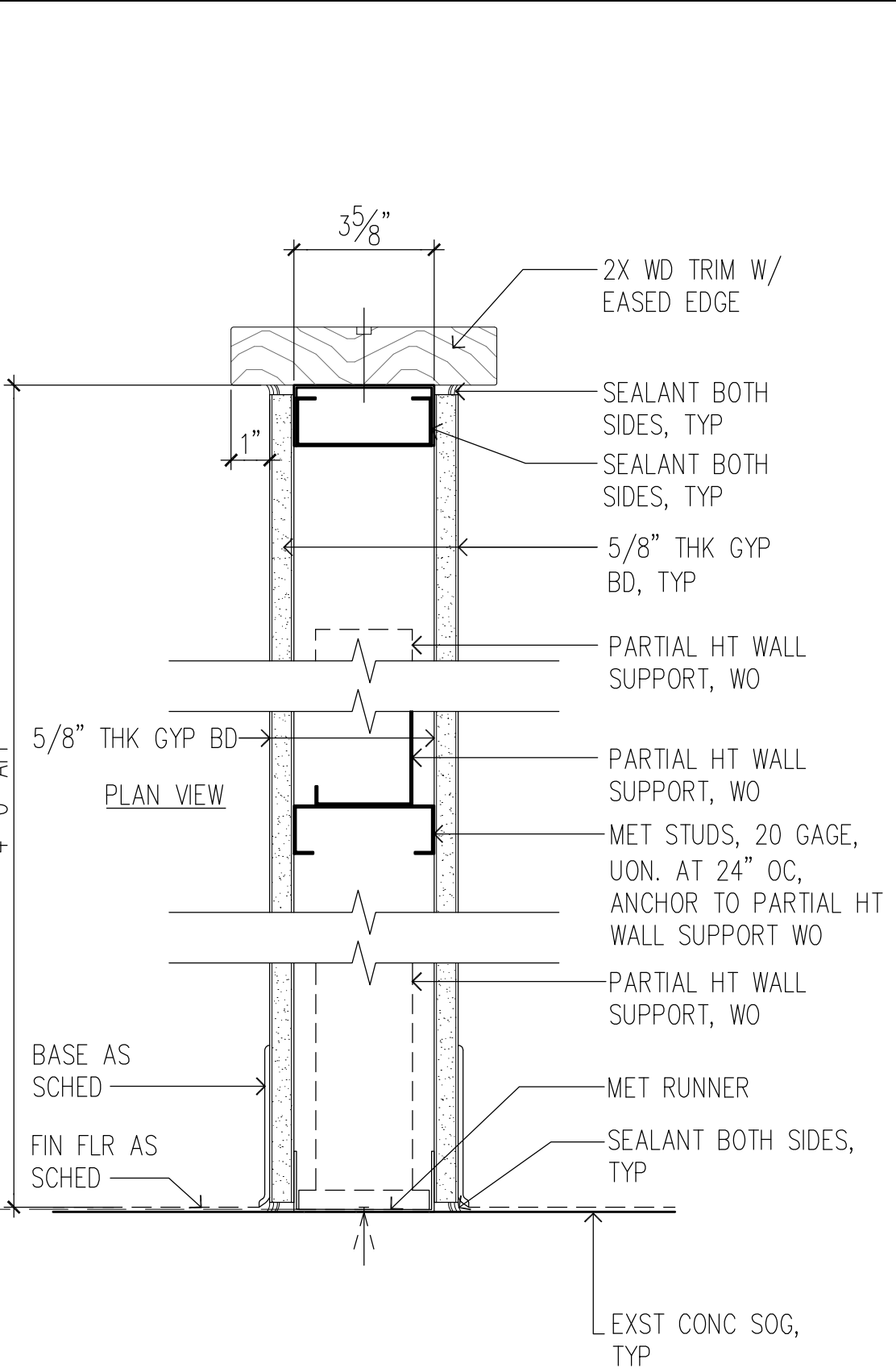
B FULL HEIGHT PARTITION
SCALE: 3" = 1'-0"



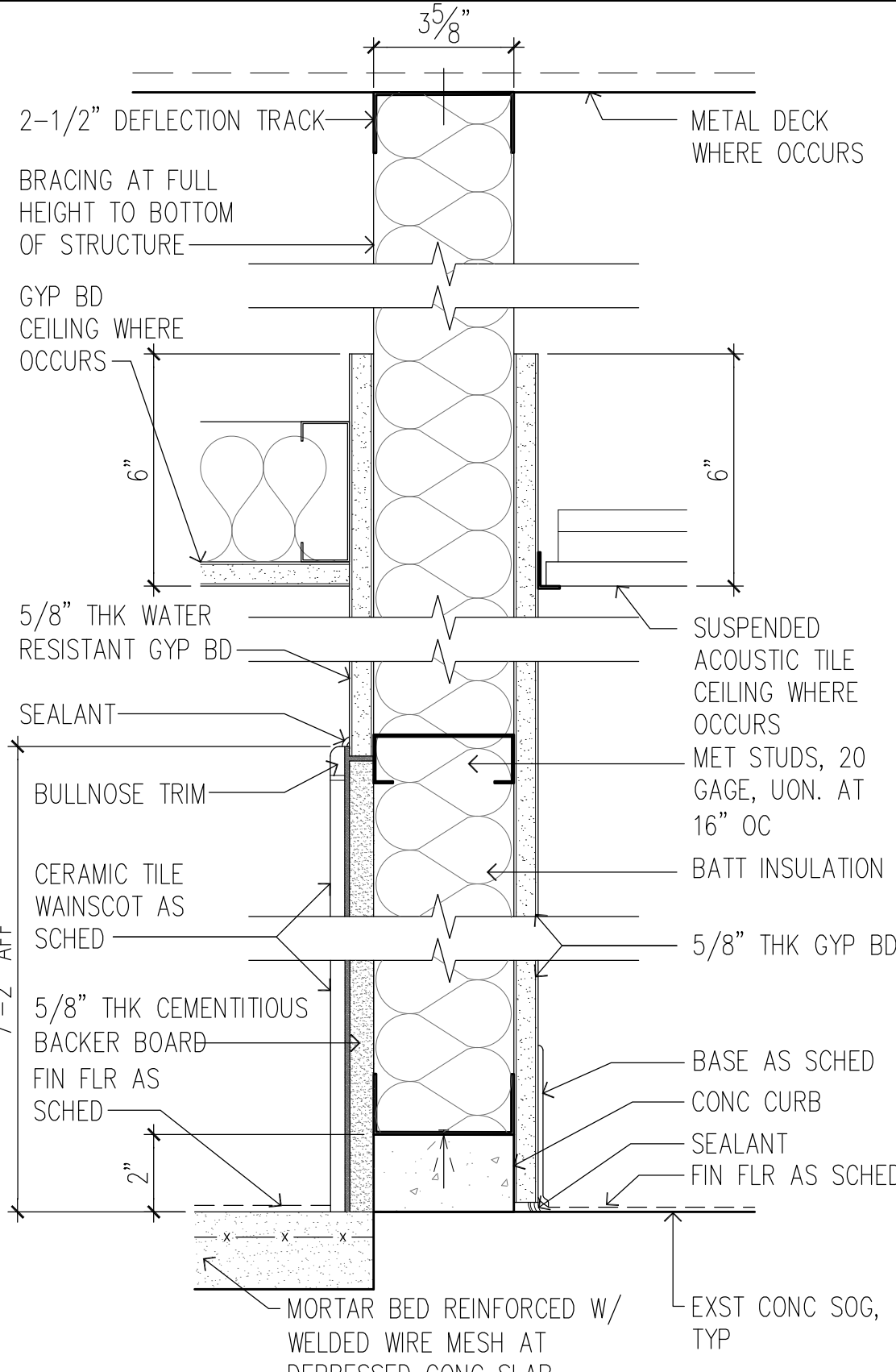
C1 PARTIAL HEIGHT PARTITION
SCALE: 3" = 1'-0"



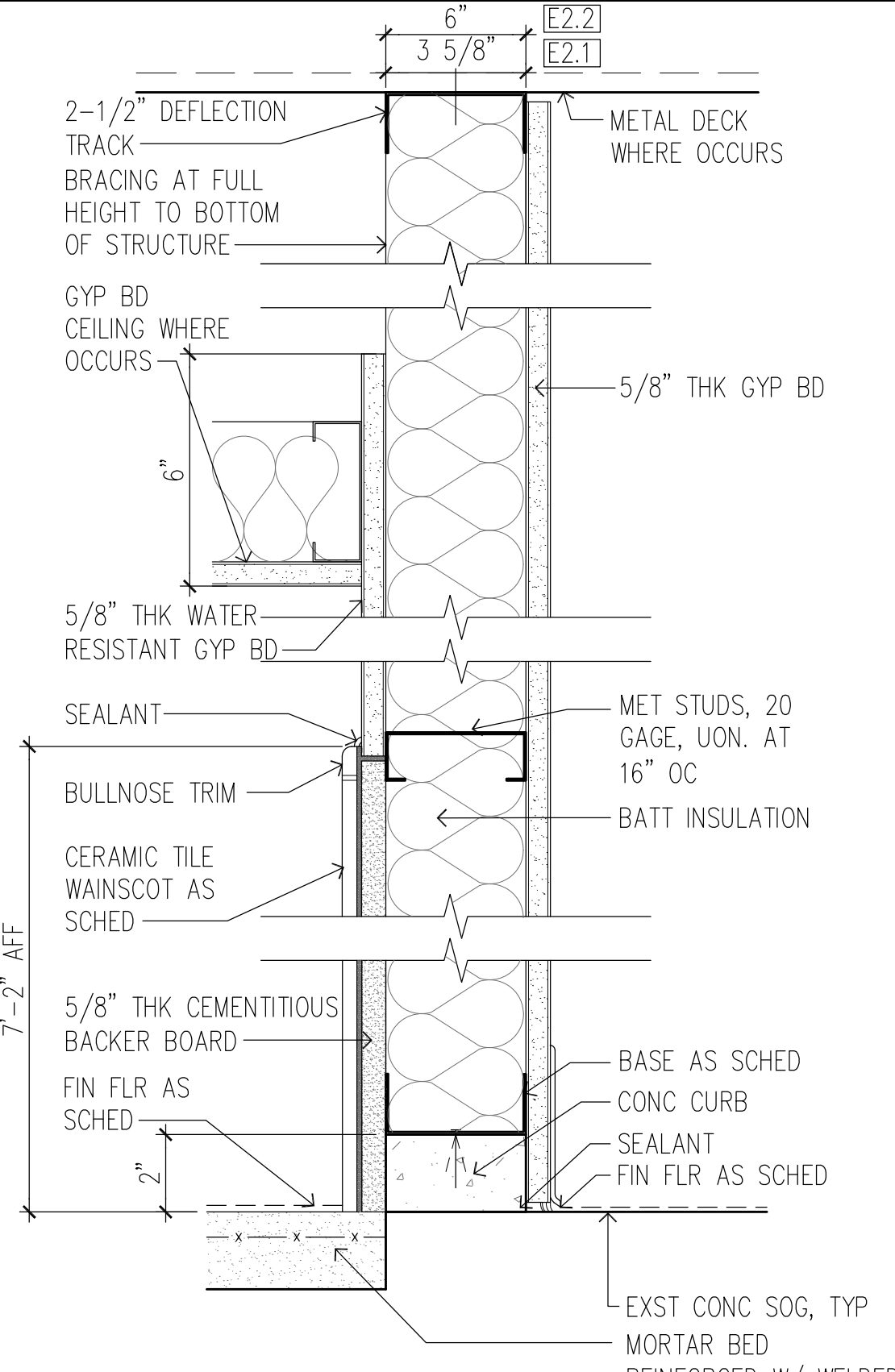
C2 PARTIAL HEIGHT PARTITION
SCALE: 3" = 1'-0"



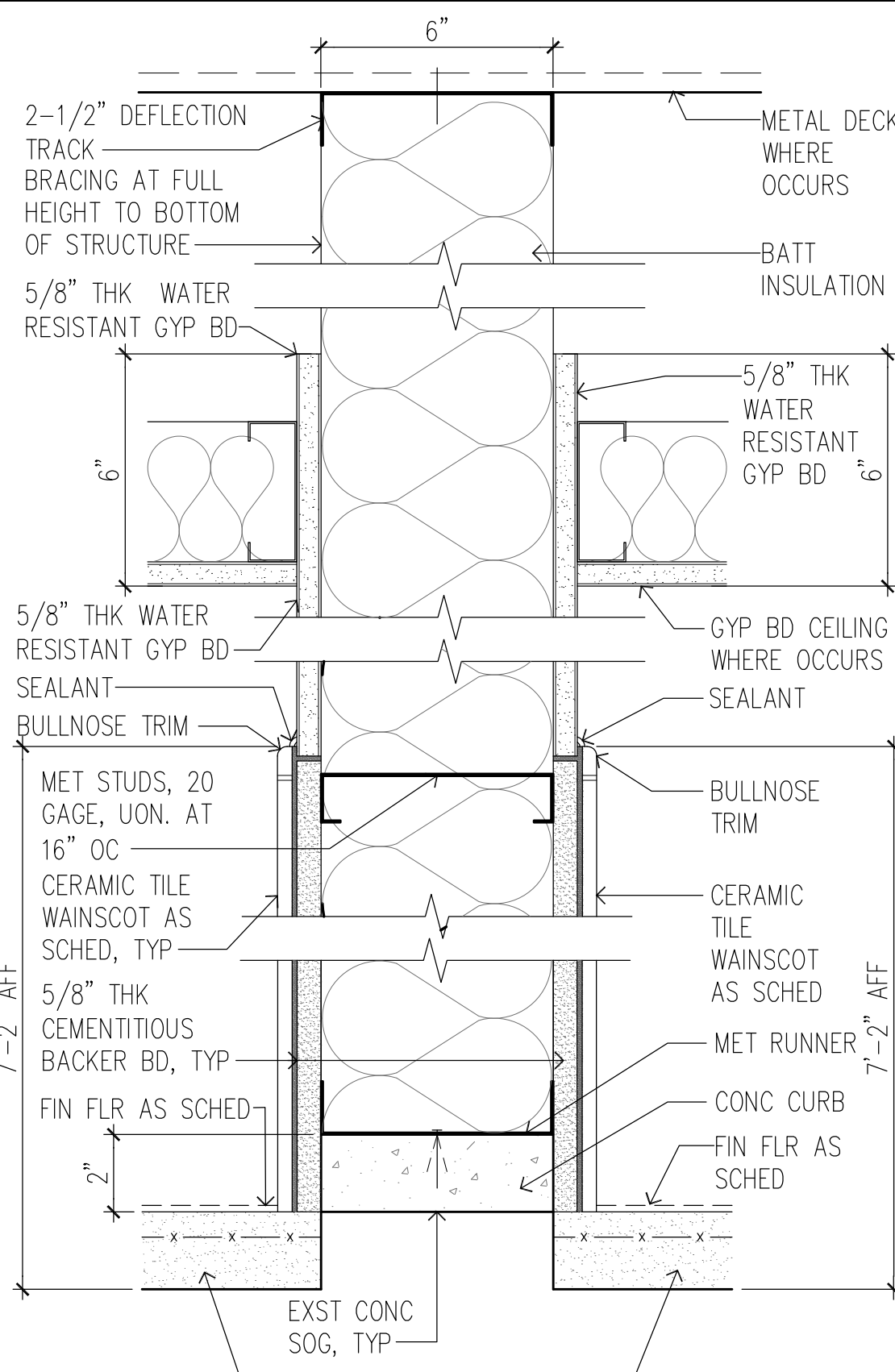
D PARTIAL HEIGHT PARTITION
SCALE: 3" = 1'-0"



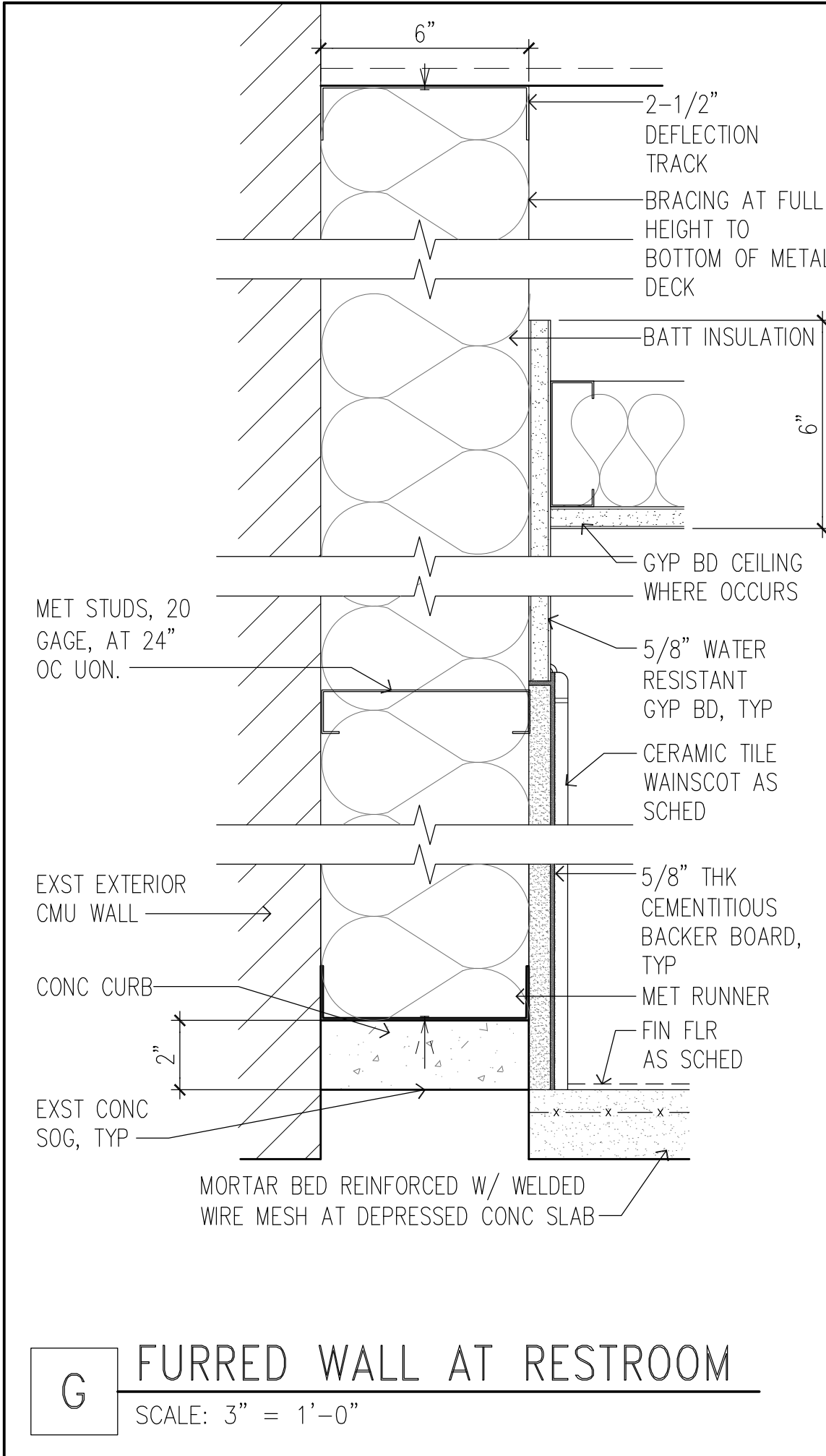
E1 CEMENTITIOUS PARTITION
SCALE: 3" = 1'-0"



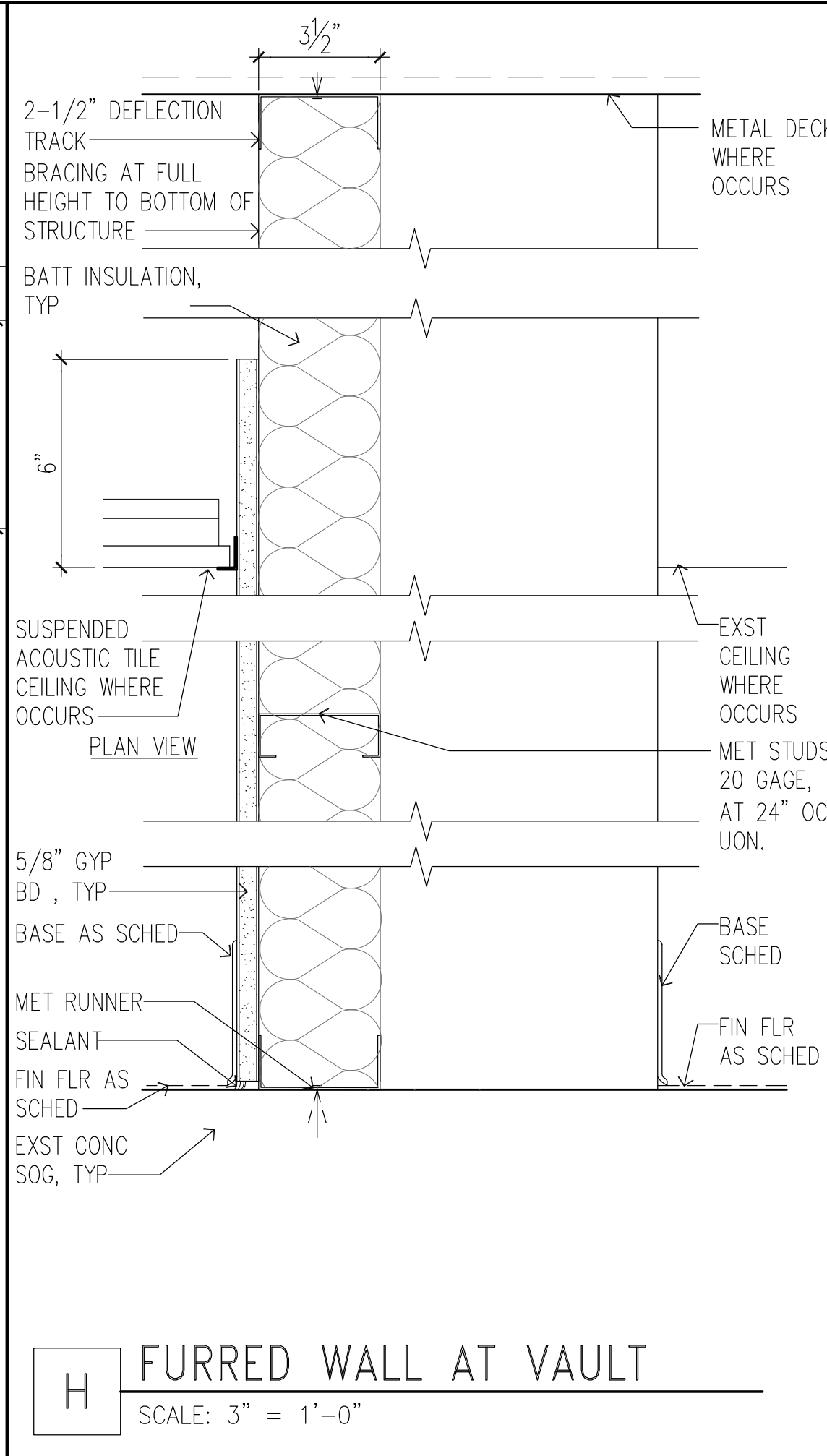
E2 CEMENTITIOUS PARTITION
SCALE: 3" = 1'-0"



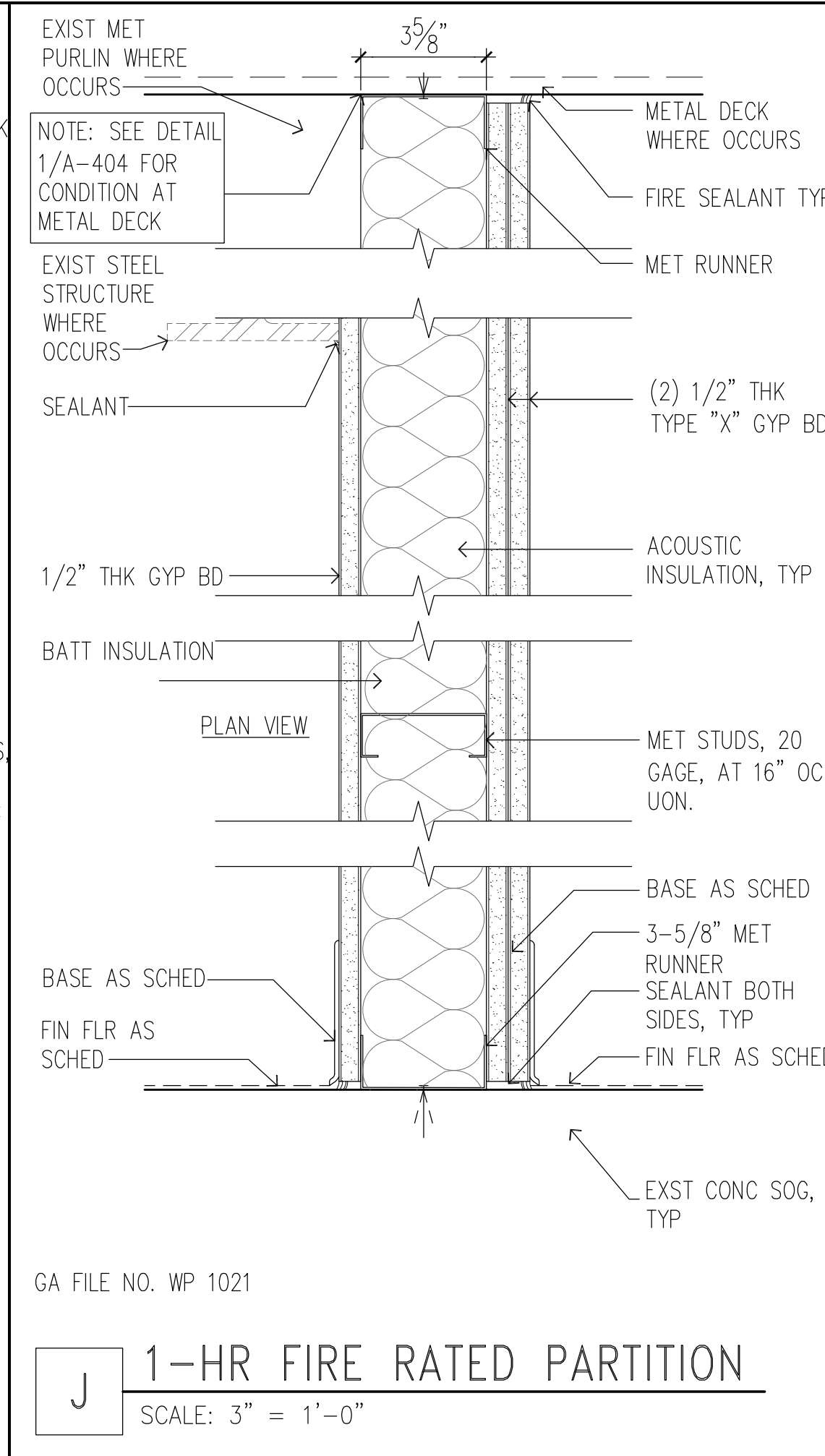
F CEMENTITIOUS PARTITION
SCALE: 3" = 1'-0"



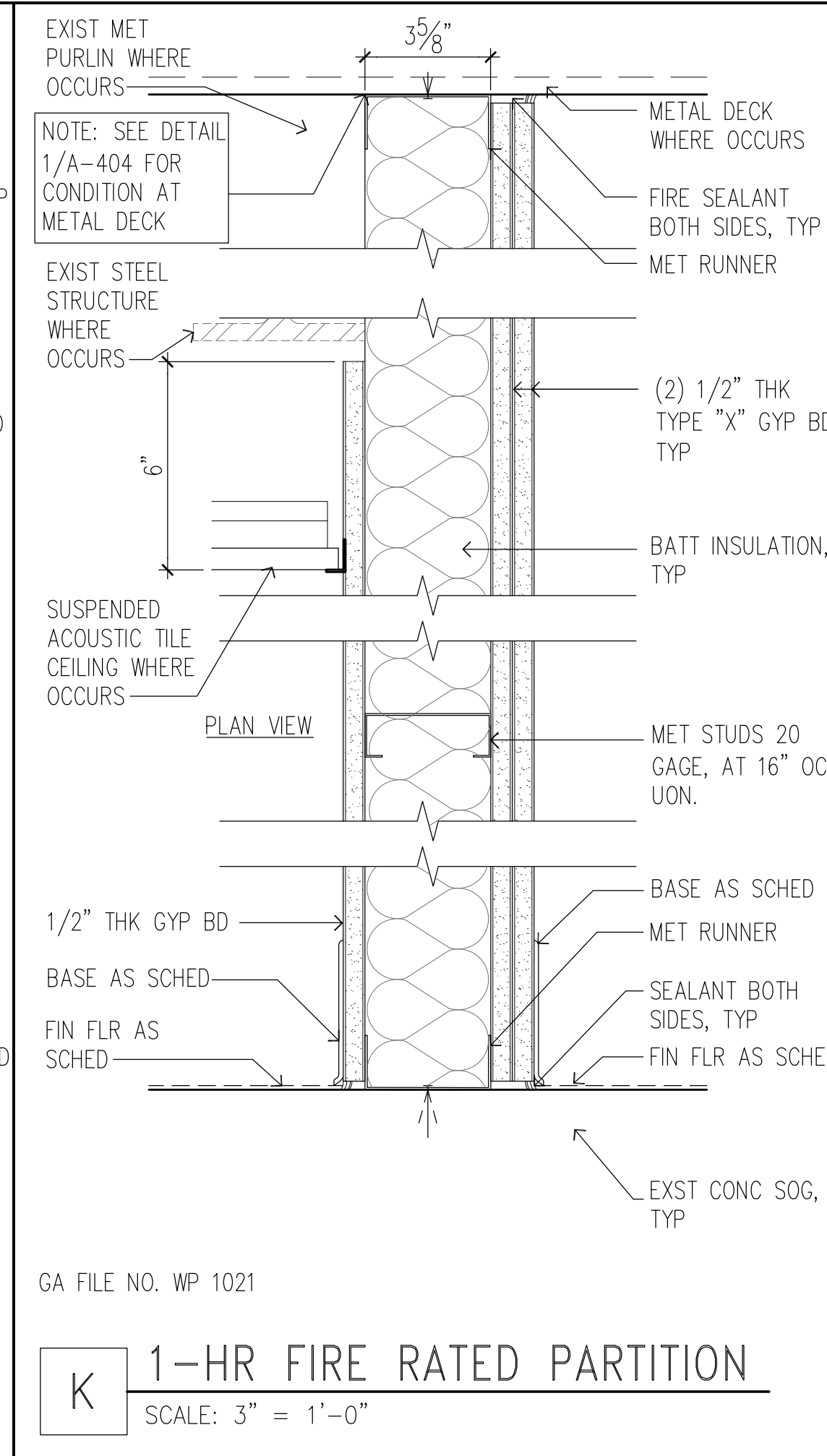
G FURRED WALL AT RESTROOM
SCALE: 3" = 1'-0"



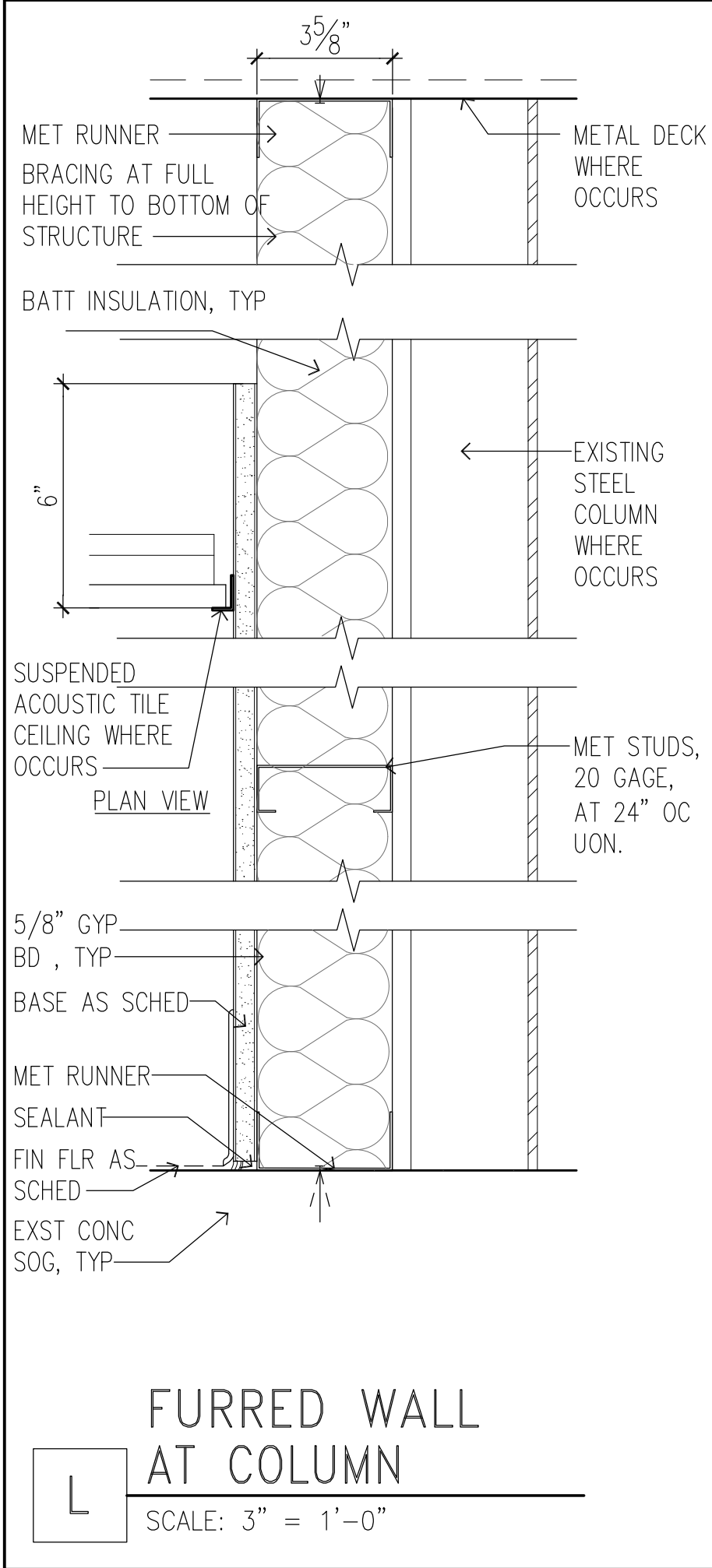
H FURRED WALL AT VAULT
SCALE: 3" = 1'-0"



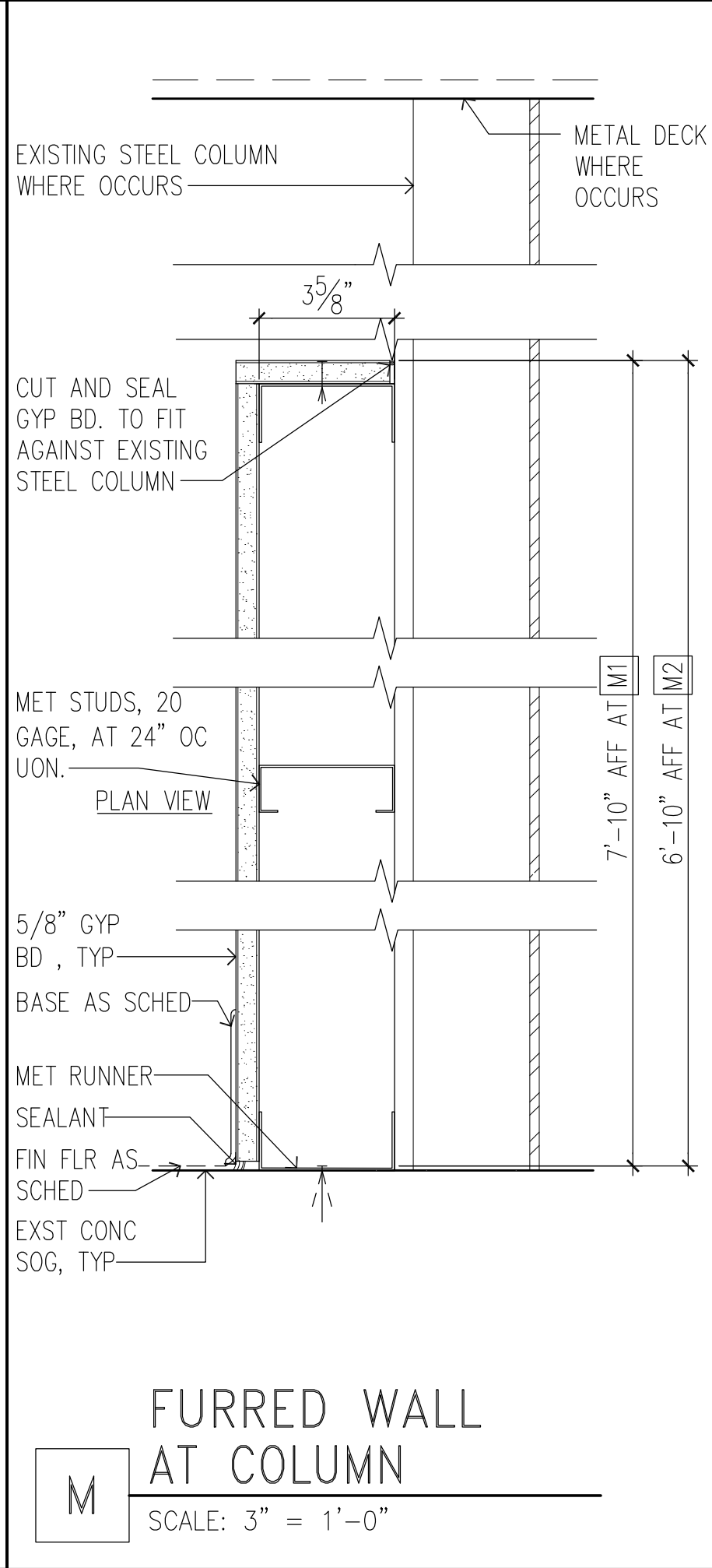
J 1-HR FIRE RATED PARTITION
SCALE: 3" = 1'-0"



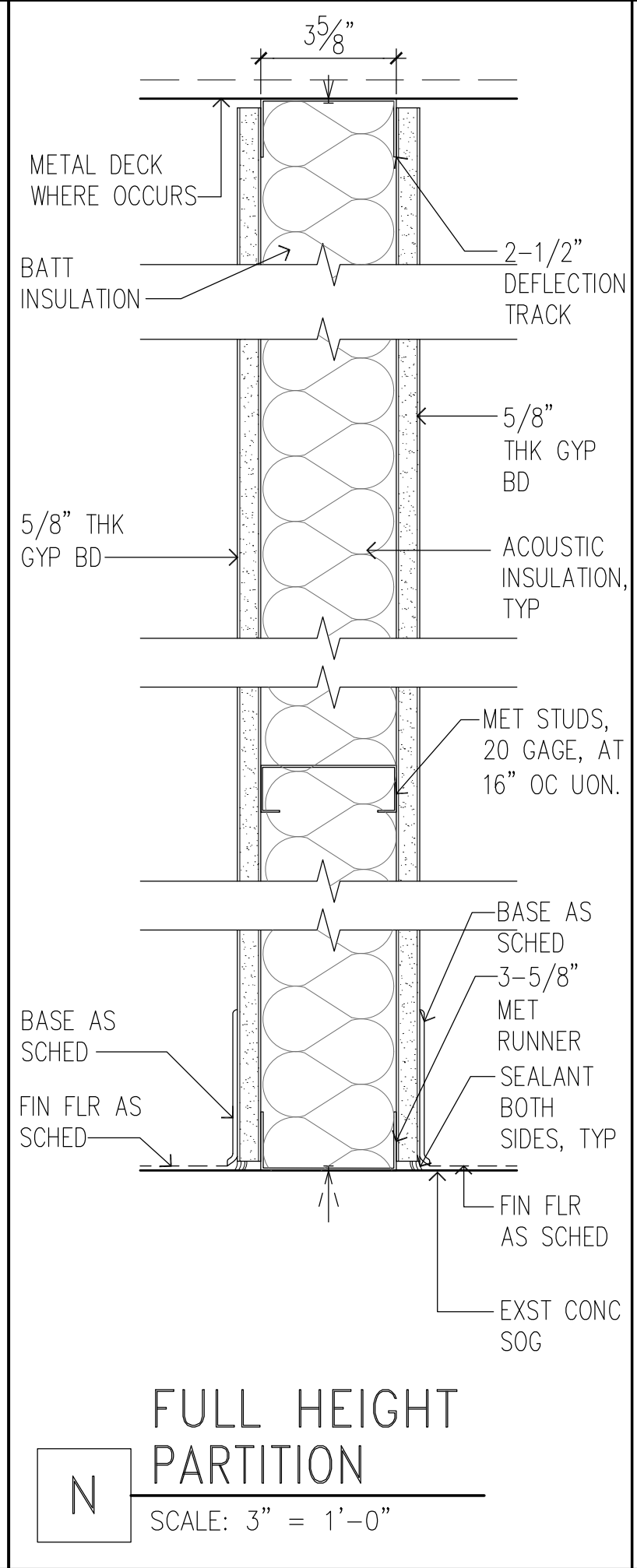
K 1-HR FIRE RATED PARTITION
SCALE: 3" = 1'-0"



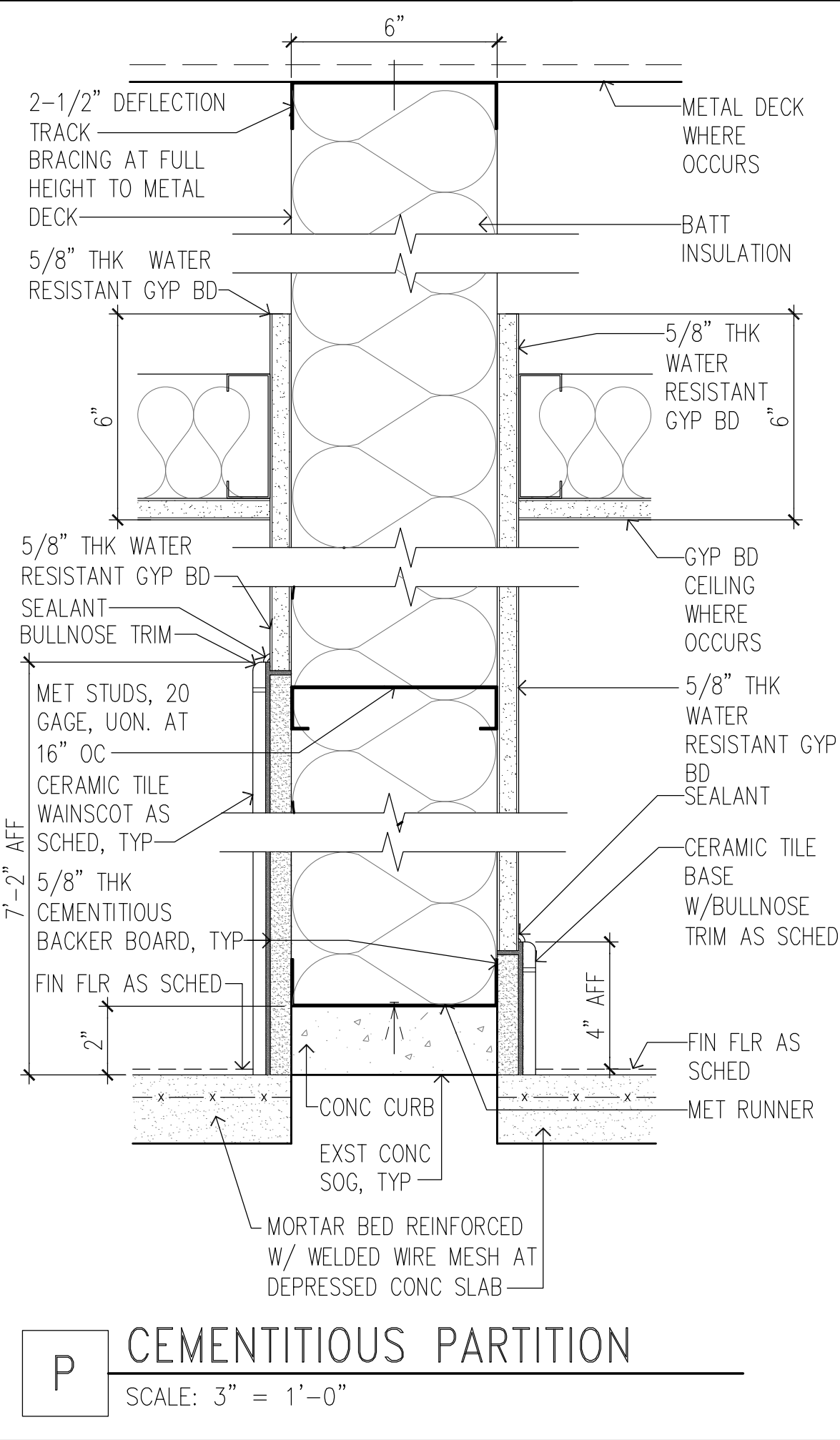
L FURRED WALL AT COLUMN
SCALE: 3" = 1'-0"



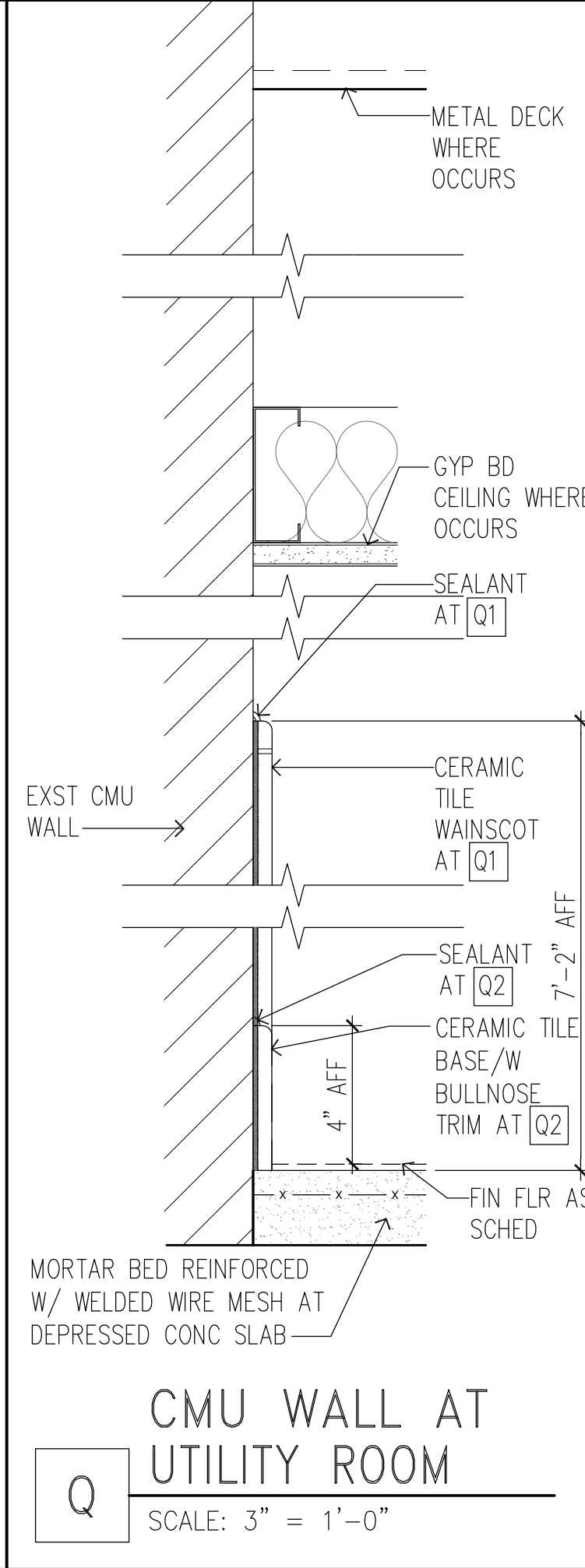
M FURRED WALL AT COLUMN
SCALE: 3" = 1'-0"



N FULL HEIGHT PARTITION
SCALE: 3" = 1'-0"



P CEMENTITIOUS PARTITION
SCALE: 3" = 1'-0"



Q CMU WALL AT UTILITY ROOM
SCALE: 3" = 1'-0"

PARTITION SCHEDULE NOTES

- PARTITION TYPES INDICATE GENERIC PARTITION CONSTRUCTION, UON.
- CONTRACTOR SHALL FIELD VERIFY REQUIRED FLOOR/CEILING CONNECTION AND INSTALL PARTITIONS TO MAINTAIN SPECIFIED FIRE RATING.
- GYP. BD.: 5/8" THK. TYPE "X" U.O.N.
- SEE DET 1/A-403 FOR BACKING PLATE REQUIREMENTS FOR ARTWORK, TOILET ACCESSORIES, GRAB BARS, COUNTERS, CABINETS AND SHELVING.
- TYPICAL CONDITIONS (UON):
 - TERMINATION: TERMINATE STUDS AT STRUCTURAL SOFFIT; ALLOW FOR DEFLECTION.
 - PERIMETER RELIEF: WHERE PARTITIONS MEET STRUCTURE OR DISSIMILAR CONSTRUCTION, PROVIDE PERIMETER RELIEF.
- FIRE RATED PARTITION FACE MATERIAL TERMINATIONS: CONTINUOUS FROM TOP OF FLOOR SLAB TO STRUCTURE ABOVE.
- GYP. BOARD APPLICATION AND FINISHING SHALL BE PER GYPSUM ASSOCIATION PUBLICATIONS FOR USE AND INSTALLATION.
- ACOUSTICAL PARTITION:
 - TO BE INSTALLED PER ASTM E497, STANDARD PRACTICE FOR INSTALLING SOUND-INSULATING GYPSUM BOARD PARTITIONS, AND ASTM C919, STANDARD PRACTICE FOR USE OF SEALANTS IN ACOUSTICAL APPLICATIONS.
 - PARTITION SUBSTRATE MATERIAL TERMINATION IS CONTINUOUS FROM TOP OF FLOOR SLAB TO SOFFIT OF STRUCTURE ABOVE.
- PROVIDE WATERPROOFING AT ALL CERAMIC TILE FLOORS AND WAINSCOTS.

UL NO. HWD-D-0420

1 FIRE RATED PARTITION DETAIL AT METAL DECK

SCALE: 3" = 1'-0"

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

THIS LICENSE EXPIRES APRIL 30, 2024

Fred K. Erskine
ENGINEER

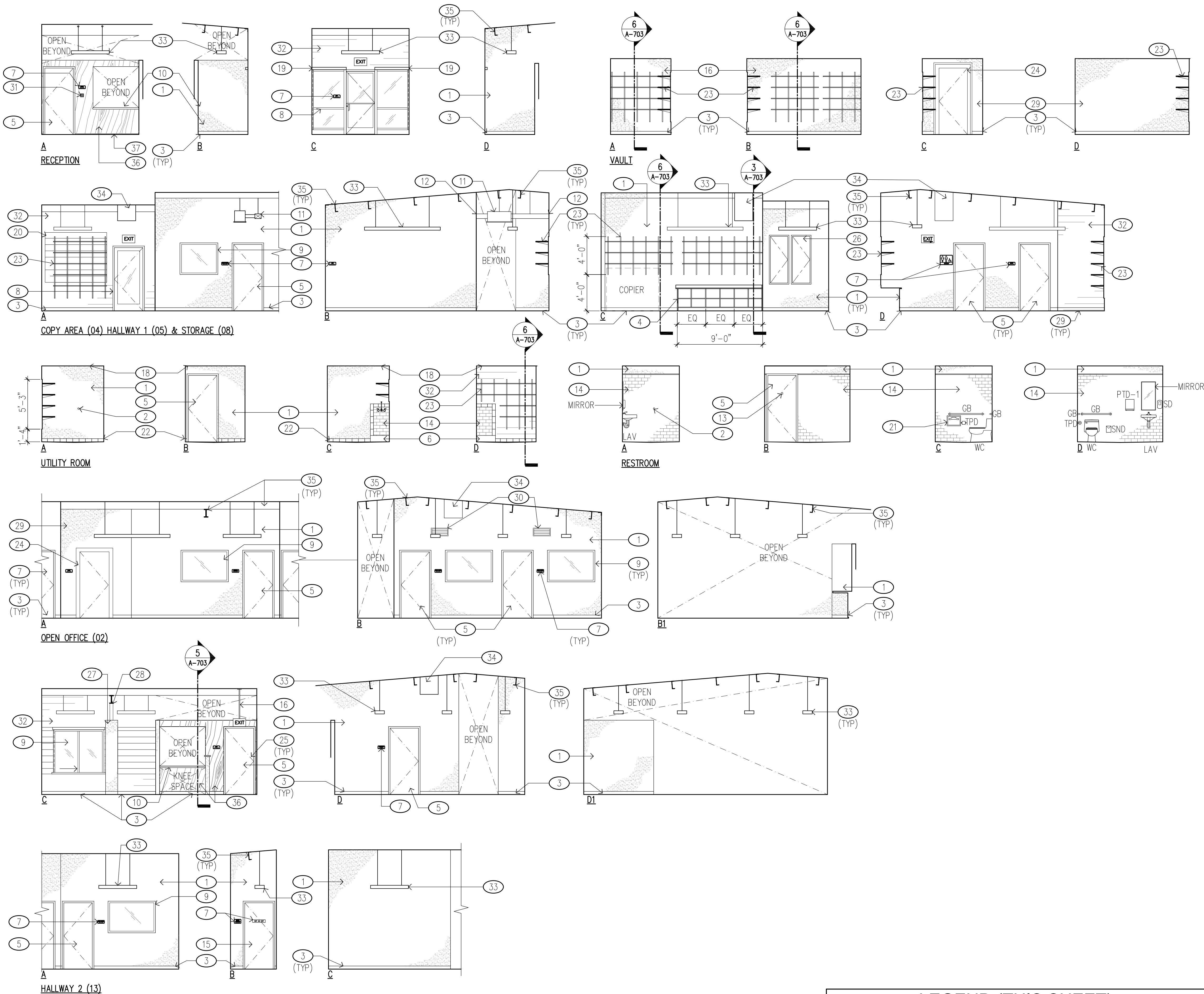
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. OBSERVATION OF CONSTRUCTION AS DEFINED IN CHAPTER 14-115 OF THE HAWAII ADMINISTRATIVE RULES, DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS, ENTITLED PROFESSIONAL ENGINEERS, ARCHITECTS, SURVEYORS AND LANDSCAPE ARCHITECTS.

DESIGNED: KK
DRAWN: KA, TW, WL
CHECKED: FE
APPROVED: **Carty Chang**
E-signed 2022-11-28 04:17PM HST
carty.s.chang@hawaii.gov
State of Hawaii
Chief Engineer

SUBMITTED:
DATE: NOVEMBER 2022
SCALE: AS NOTED
DRAWING NO. **A-404**

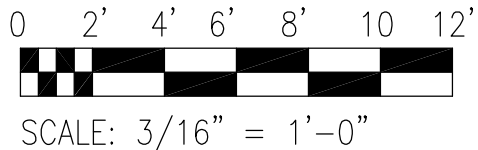
JOB NO. E00BH30A

SHEET NO. 34 OF 77 SHEETS



1 INTERIOR ELEVATIONS
SCALE: 3/16" = 1'-0"

NOTE:
SEE T-004 FOR STANDARD
FIXTURE MOUNTING HEIGHTS

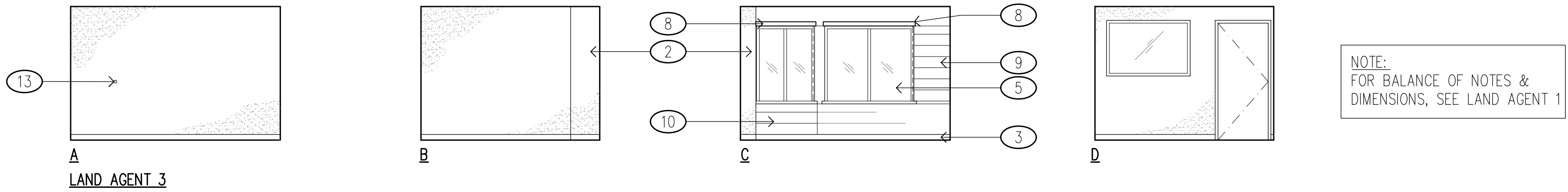
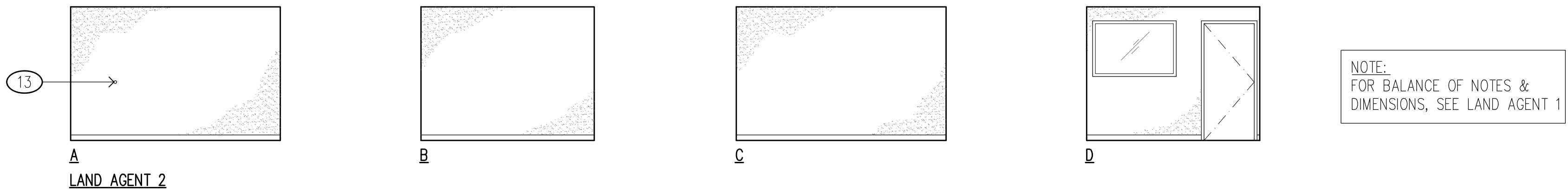
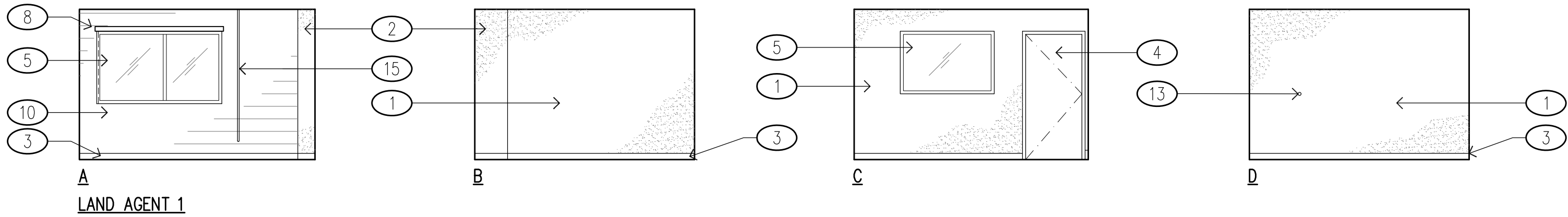
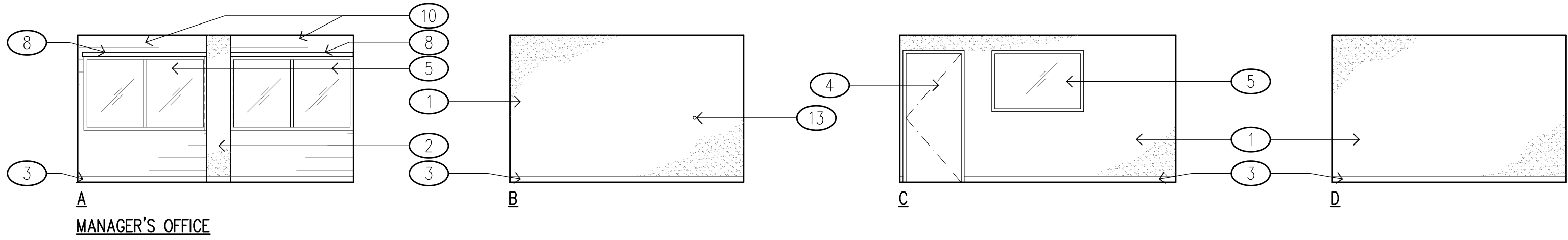
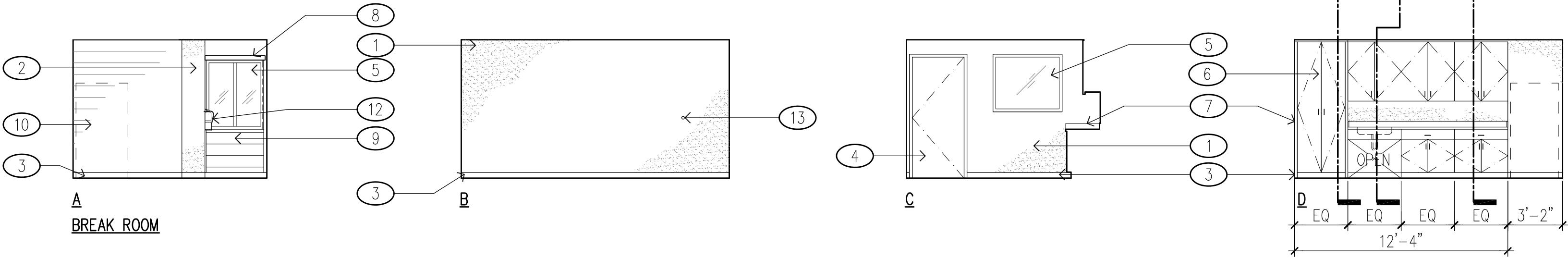
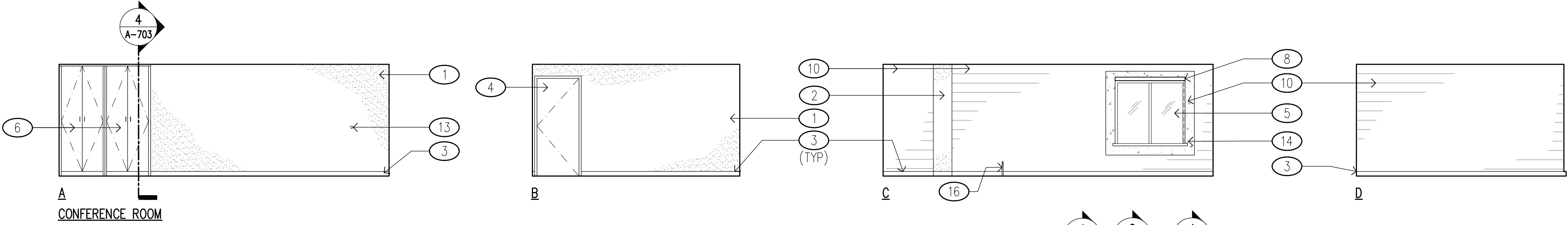


LEGEND (THIS SHEET)



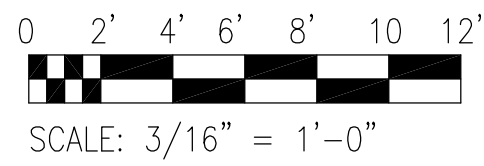
KEYNOTE NO.	KEYNOTES (THIS SHEET)
1	PRIME AND PAINT GYP BD WALL. PT-4
2	DOOR STOP.
3	RUBBER BASE RB-1
4	BUILT-IN COUNTERTOP, W/CUBBY STORAGE PL-1 SS-1
5	DOOR AND FRAME, STAIN. ST-1
6	MOP SINK, SEE MECH DRWGS.
7	ADA SIGNAGE, TYP.
8	ALUMINUM STOREFRONT SYSTEM. TR-1
9	GLAZING AS SCHED, TYP.
10	TRANSACTION COUNTER TOP, W/ PLASTIC LAMINATE FACE PL-1 SS-1
11	FAN COIL UNIT AND DUCT. SEE MECH DRWG.
12	CAULK & SEAL AROUND PENETRATIONS.
13	ROBE HOOK.
14	CERAMIC TILE WAINSCOT, RUNNING BOND. CT-2
15	FIRE RATED METAL DOOR AND FRAME. PRIME AND PAINT. PT-4
16	METAL ROD TO MOUNT EXIT SIGN.
17	NOT USED.
18	PRIME AND PAINT GYP BD CEILING. PT-4
19	MANUAL ROLLER SHADE W/ CONTROL CHAIN.
20	CMU INFILL, SEAL WITH CLEAR MATTE COAT. SE-1
21	TOILET SEAT COVER DISPENSER.
22	CERAMIC TILE WALL BASE. CT-2
23	ADJUSTABLE SHELVING W/ SUPPORTS SPACED 16" O.C. AT STUDS. PL-1
24	PRIME AND PAINT METAL DOOR AND FRAME PT-4
25	2X WOOD FINISH TRIM. ST-1
26	ELEC PANEL, SEE ELEC DRWG.
27	COLUMN FURRING. PRIME, PAINT, & INSTALL RUBBER BASE ALL SIDES. PT-4
28	EXISTING STEEL STRUCTURE TO REMAIN, PRIME AND PAINT. PT-3
29	PRIME AND PAINT CMU WALL PT-4
30	SUPPLY AIR REGISTER, SEE MECH DRWG.
31	KEYPAD ACCESS.
32	CMU SEALER. SE-1
33	LIGHT FIXTURE. SEE ELEC DRWG.
34	TUBULAR DAY LIGHTING DEVICE.
35	EXST PURLIN/STRUCTURE TO REMAIN. INFILL W/GYP BD AND SEAL EDGES AT WALL PENETRATIONS. PRIME & PAINT. PT-3
36	PLASTIC LAMINATE FINISH. PL-1
37	3/4" METAL "T" REVEAL. PAINT SURFACE EXPOSED TO CONC W/ASPHALTIC COATING.

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION					
HAWAII DISTRICT LAND OFFICE HILO, HAWAII					
INTERIOR ELEVATIONS					
DESIGNED: KK		SUBMITTED:			
DRAWN: KA, TW, WL		DATE: NOVEMBER 2022			
CHECKED: FE		SCALE: AS NOTED			
APPROVED:		Carty Chang E-signed 2022-11-28 04:17PM HST carty.s.chang@hawaii.gov		DRAWING NO. A-501	
CHIEF ENGINEER		State of Hawaii			



INTERIOR ELEVATIONS

SCALE: 3/16" = 1'-0"



KEYNOTE NO.	KEYNOTES (THIS SHEET)
1	PRIME AND PAINT GYP BD WALL PT-4
2	COLUMN FURRING. PRIME, PAINT, AND INSTALL RUBBER BASE ALL SIDES PT-4 RB-1
3	RUBBER BASE RB-1
4	DOOR AND FRAME PRIME AND PAINT ST-1
5	GLAZING, TYP.
6	CASEWORK AS SCHED, TYP PL-1
7	SOLID SURFACE COUNTERTOP, BACKSPLASH, & SIDE SPLASH SS-1
8	MANUAL ROLLER SHADE W/ CONTROL CHAIN.
9	CMU INFILL WITH CMU SEALER SE-1
10	CMU SEALER SE-1
11	NOT USED.
12	FIRE EXTINGUISHER, SEE MECH DRWG.
13	WALL STOP.
14	CAST IN PLACE CONCRETE FRAMING, SEE STRUCT DRWG SE-1
15	SURFACE MOUNTED WATERLINE OF HOSE BIBB.
16	SURFACE MOUNTED COLD WATER LINE, SEE MECH DRWG.

LEGEND (THIS SHEET)

	CMU WALL		GYP BD PARTITON
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REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
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THIS LICENSE EXPIRES APRIL 30, 2024

Fred K. Erskine

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 CHAPTER 18-115 OF THE HAWAII ADMINISTRATIVE RULES, DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS, ENTITLED PROFESSIONAL ENGINEERS, ARCHITECTS, SURVEYORS AND LANDSCAPE ARCHITECTS)

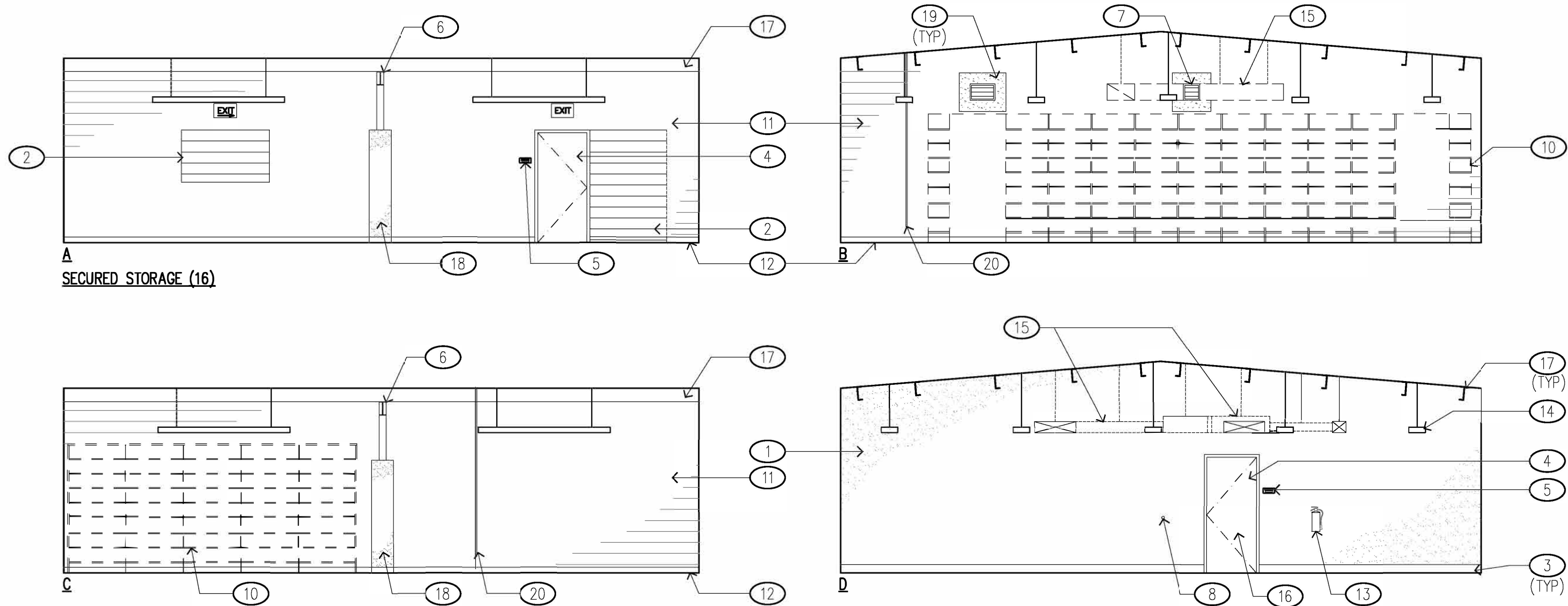
STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
ENGINEERING DIVISION

HAWAII DISTRICT LAND OFFICE
HILO, HAWAII

INTERIOR ELEVATIONS

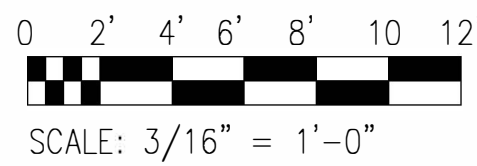
DESIGNED: KK	SUBMITTED:
DRAWN: KA, TW, WL	DATE: NOVEMBER 2022
CHECKED: FE	SCALE: AS NOTED
APPROVED:	E-signed 2022-11-28 04:17PM HST
CHIEF ENGINEER	Chief Engineer

DRAWING NO. **A-502**



1 INTERIOR ELEVATIONS

SCALE: 3/16" = 1'-0"



KEYNOTE NO.	KEYNOTES (THIS SHEET)
1	PRIME AND PAINT GYP BD WALL<PT-1>
2	CMU INFILL W/ CMU SEALER.
3	RUBBER BASE.<RB-1>
4	DOOR AND FRAME PRIME AND PAINT<PT-4>
5	ADA SIGNAGE, TYP.
6	EXISTING STEEL BEAM. PRIME AND PAINT.<PT-3>
7	VENTILATION LOUVER, SEE MECH DRWGS.<TR-1>
8	WALL STOP.
9	CAST IN PLACE CONC FRAME, SEE STRUCT DRWG.
10	ADDITIVE BID NO.3. AREA FOR ELECTRONIC HDS SYSTEM, SEE ELEC DRWG AND SPECIFICATIONS.
11	CMU SEALER.
12	EPOXY RESIN ROLL-UP BASE.<SE-2>
13	FIRE EXTINGUISHER, SEE MECH DRWG.
14	LIGHT FIXTURE, SEE ELEC DRWGS.
15	HVAC DUCTS & FCU, SEE MECH DRWGS.
16	FIRE RATED DOOR AND FRAME PRIME AND PAINT.<PT-4>
17	EXST PURLIN TO REMAIN. PRIME & PAINT.<PT-3>
18	COLUMN FURRING. PRIME, PAINT, AND INSTALL RUBBER BASE ALL SIDES.<PT-4><RB-1>
19	CAST IN PLACE CONCRETE FRAME, SEE STRUCT DRAWINGS.
20	SURFACE MOUNTED WATERLINE TO HOSE BIBB.

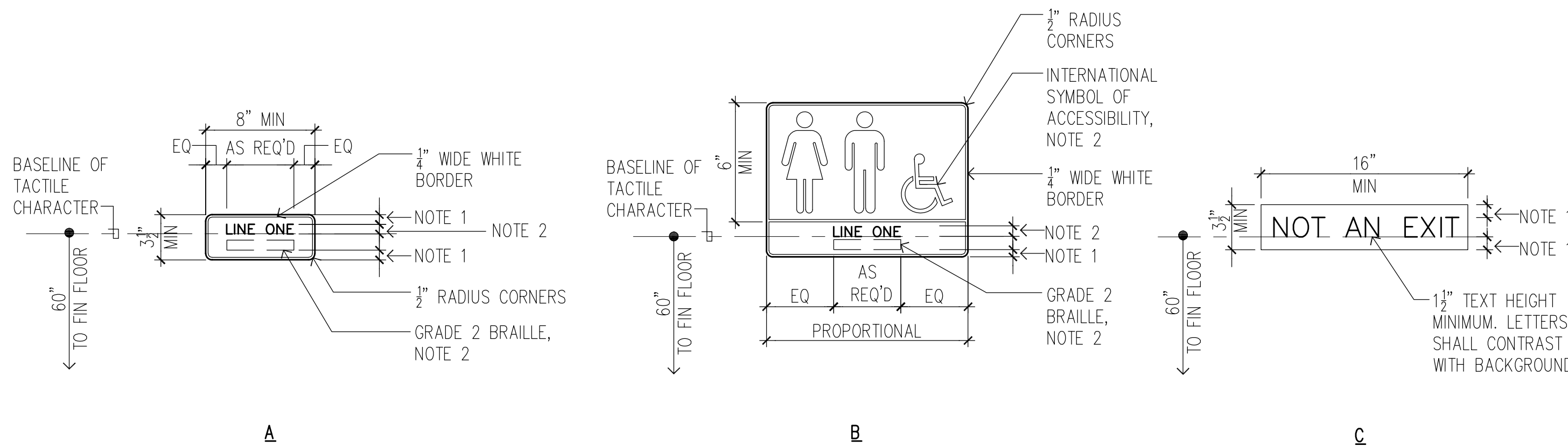
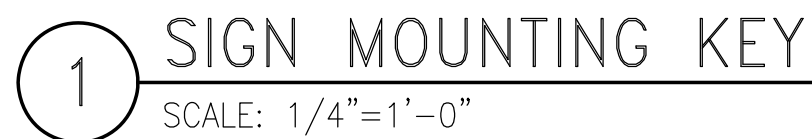
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	CMU WALL		GYP BD PARTITION
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REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION					
HAWAII DISTRICT LAND OFFICE HILO, HAWAII					
INTERIOR ELEVATIONS					
DESIGNED: KK			SUBMITTED:		
DRAWN: KA, TW, WL			DATE: NOVEMBER 2022		
CHECKED: FE			SCALE: AS NOTED		
APPROVED:			DRAWING NO. A-503		
CHIEF ENGINEER			Carty Chang E-signed 2022-11-28 04:17PM HST carty.s.chang@hawaii.gov State of Hawaii		

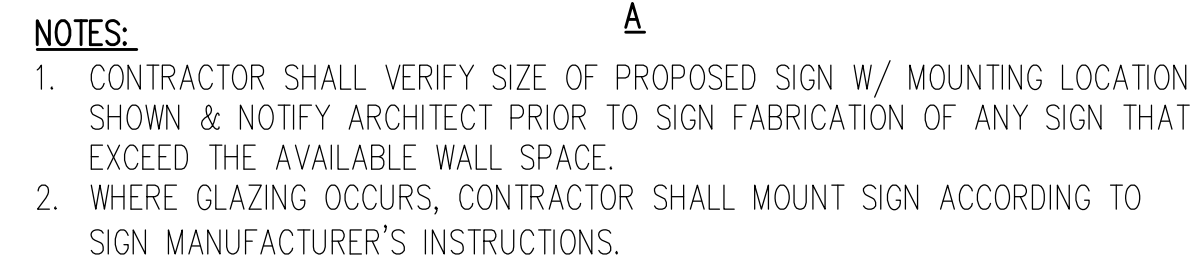
SIGNAGE SCHEDULE				
NO.	SIGN MTG.	SIGN TYPE	SIGN TEXT	REMARKS
1	B	A	ENTRY	1 LINE OF TEXT
2	D	A	EXIT	1 LINE OF TEXT
3	A	A	SECURED STORAGE NOT AN EXIT	3 LINES OF TEXT
4	B	A	EXIT	1 LINE OF TEXT
5	A	A	ENTRY	1 LINE OF TEXT
6	B	A	EXIT	1 LINE OF TEXT
7	B	A	OFFICE	1 LINE OF TEXT
8	A	A	EXIT	1 LINE OF TEXT
9	A	A	CONFERENCE ROOM	2 LINES OF TEXT
10	C	B	RESTROOM	1 LINE OF TEXT
11	B	A	UTILITY	1 LINE OF TEXT
12	B	A	BREAK ROOM	1 LINE OF TEXT
13	B	A	VAULT	1 LINE OF TEXT
14	B	A	DISTRICT LAND AGENT	2 LINES OF TEXT
15	A	A	LAND AGENT	1 LINE OF TEXT
16	B	A	SECURED STORAGE	2 LINES OF TEXT
17	A	A	OFFICE	1 LINE OF TEXT
18	A	A	LAND AGENT	1 LINE OF TEXT
19	A	A	LAND AGENT	1 LINE OF TEXT
20	E	C	NOT AN EXIT	1 LINE OF TEXT

FINISH SCHEDULE						
KEY	DESCRIPTION	MANUFACTURER	COLOR NO.	NAME	PATTERN/STYLE/FINISH	REMARKS
VT-1	VINYL COMPOSITION TILE	ARMSTRONG FLOORING	Z1911	CLASSIC WHITE	STANDARD EXCELON IMPERIAL TEXTURE	W/DIAMOND 10 TECHNOLOGY COATING
VT-2	VINYL COMPOSITION TILE	ARMSTRONG FLOORING	Z3547	HALL	BIO-FLOORING MIGRATIONS BBT	W/DIAMOND 10 TECHNOLOGY COATING
CT-1	CERAMIC FLOOR TILE	DALTILE	D014	DESERT GRAY	2" HEXAGON MOSAIC	
CT-2	CERAMIC WALL TILE	DALTILE	K175	BISCUIT	3x6 WALL/RITTENHOUSE SQUARE	RUNNING BOND PATTERN
GR-1	FLOOR TILE GROUT	MAPEI	2	PEWTER		
GR-2	WALL TILE GROUT	MAPEI	14	BISCUIT		
RB-1	RUBBER BASE	TARKETT (JOHNSONITE)	27	MIST WG	TRADITIONAL WALL BASE	
PL-1	PLASTIC LAMINATE	FORMICA	8906-58	DANISH MAPLE	MATTE FINISH	
PT-1	EXTERIOR PAINT	SHERWIN WILLIAMS	SW 9110	MALABAR		EXT CMU WALL - FIELD
PT-2	EXTERIOR PAINT	SHERWIN WILLIAMS	SW 9112	SONG THRUSH		EXT DEFS WALL - ENTRANCE
PT-3	INTERIOR PAINT	SHERWIN WILLIAMS	SW 6993	BLACK OF NIGHT		INT STRUCTURE - RIGID FRAMING, PURLINS, DIAGONAL RODS, ANGLE LEDGER
PT-4	INTERIOR PAINT	SHERWIN WILLIAMS	SW 7628	WINDFRESH WHITE		INT WALLS- FIELD, CEILING
ST-1	STAIN	TBD	TBD	TBD	CLEAR MATTE	INTERIOR DOORS, FRAMES, WOOD TRIM
SE-1	WATER REPELLENT COATING	DIEDRICH TECHNOLOGIES	303S	SILOXSEAL SERIES	CLEAR MATTE	INTERIOR CMU WALL
SE-2	EPOXY FLOORING	SIKAFLOR		OXFORD GRAY	COMFORTFLOR	WAREHOUSE AND UTILITY ROOM FLOOR
SS-1	SOLID SURFACE	LG HAUSYS	R542	HARMONY	HI-MACS	COUNTERTOP SURFACES
TR-1	METAL FINISH	KYNAR 500	SR 27	DARK BRONZE	STANDARD	EXT METAL - AWNINGS, FLASHING, FRAMES, DOWNSPOUTS






2 SIGN TYPES


SCALE: NOT TO SCALE



3 MOUNTING DETAIL

SCALE: NOT TO SCALE

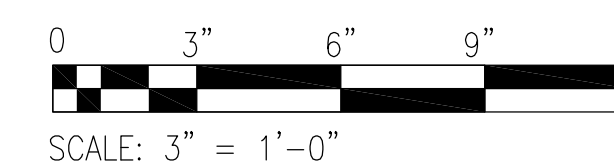
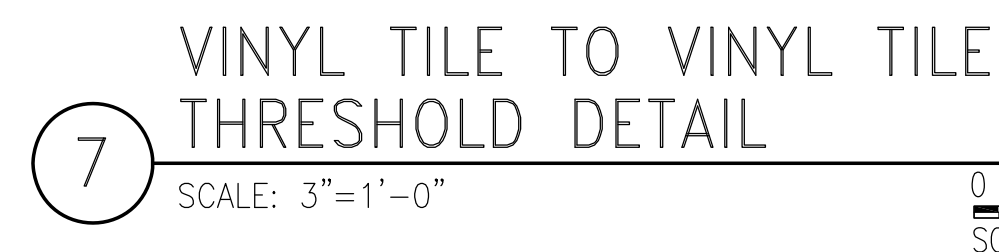
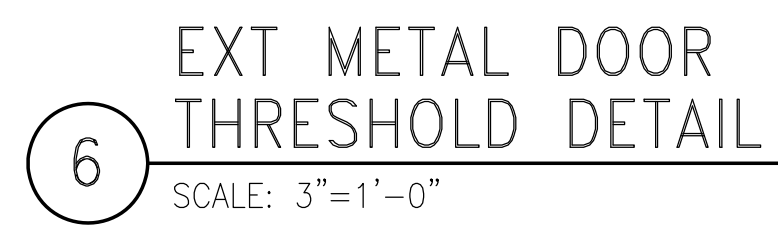
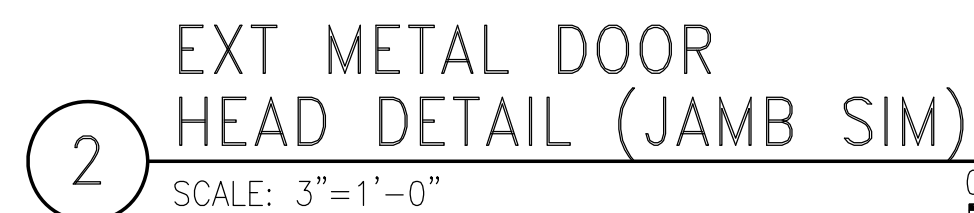
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		<div style="text-align: center;"> HAWAII DISTRICT LAND OFFICE HILO, HAWAII </div>			
		<div style="text-align: center;"> SIGNAGE SCHEDULES & DETAILS </div>			
		DESIGNED: KK	SUBMITTED:  		
		DRAWN: KA, TW, WL	DATE: NOVEMBER 2022		
		CHECKED: FE	SCALE: AS NOTED		
		APPROVED:	Carty Chang E-c signed 2022-11-28 04:17PM HST carty.s.chang@hawaii.gov State of Hawaii		DRAWING NO. <div style="text-align: center;">  A-602 </div>
		CHIEF ENGINEER			






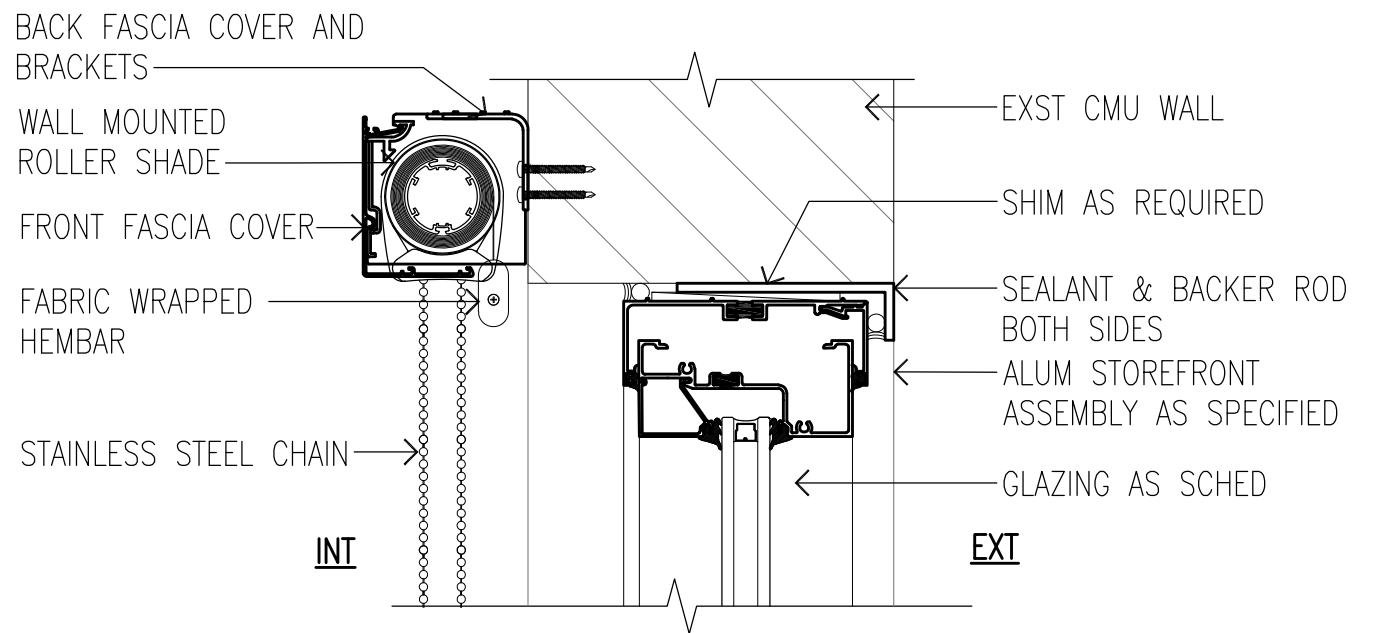
THIS LICENSE EXPIRES APRIL 30, 2024

Fred K. Erskine
 SURETY

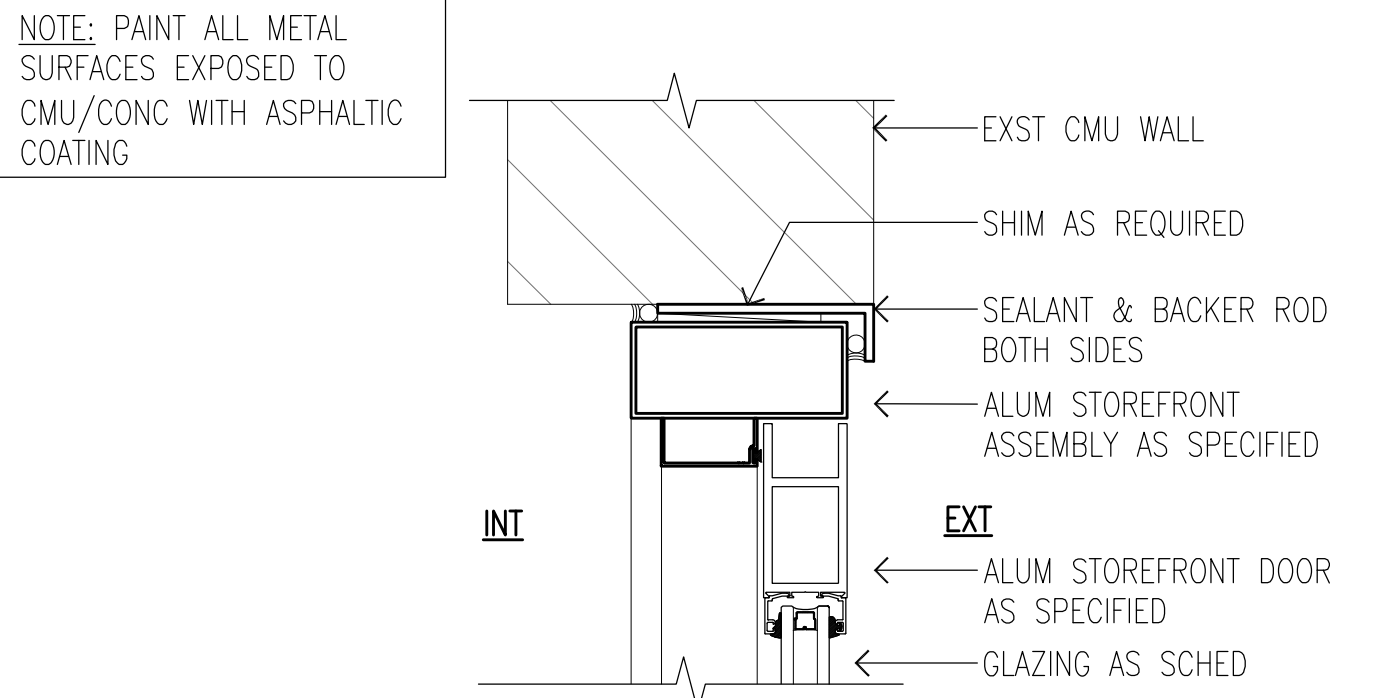
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION (OBSERVATION OF THE HAWAII ADMINISTRATIVE RULES, DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS, ENTITLED PROFESSIONAL ENGINEERS, ARCHITECTS, SURVEYORS AND LANDSCAPE ARCHITECTS).



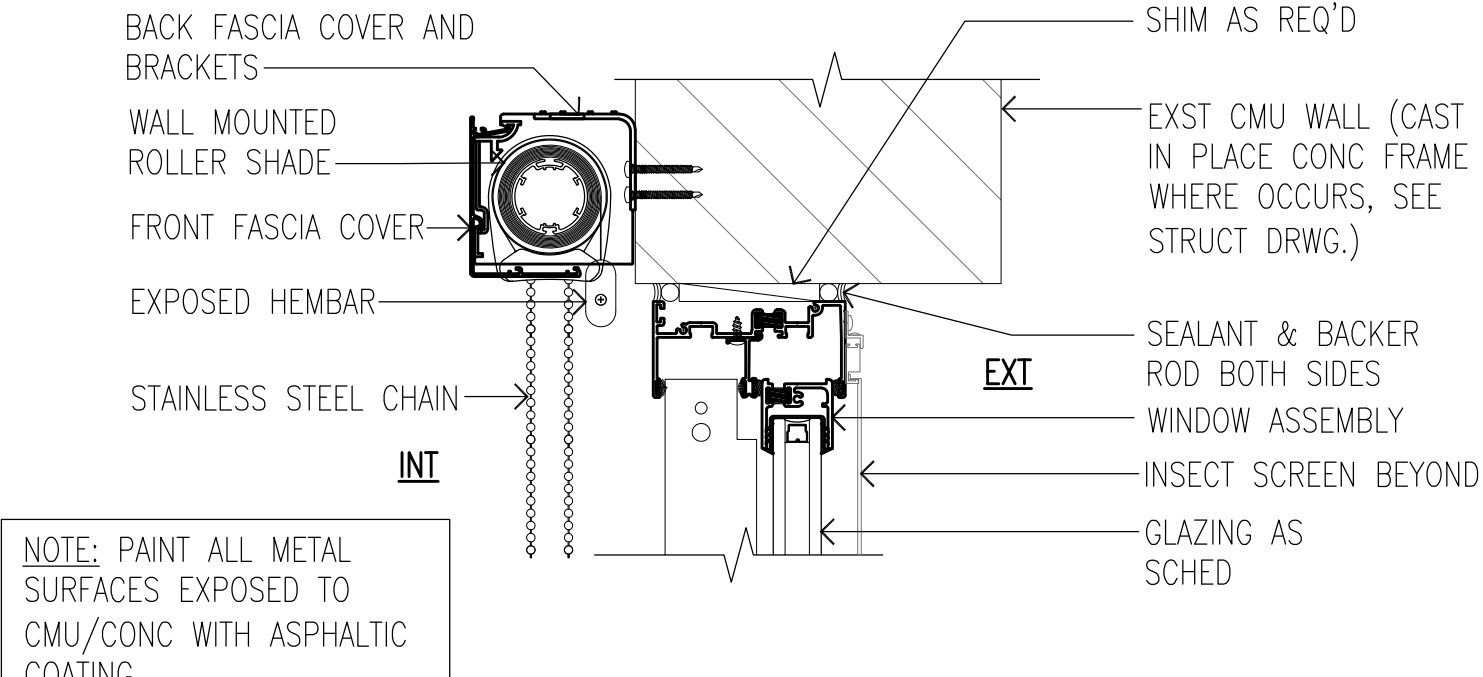
REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
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			HAWAII DISTRICT LAND OFFICE HILO, HAWAII		
			DOOR DETAILS		
DESIGNED: KK			SUBMITTED: <i>[Signature]</i> 		
DRAWN: KA, TW, WL			DATE: NOVEMBER 2022		
CHECKED: FE			SCALE: AS NOTED		
APPROVED:			Carty Chang E-signed 2022-11-28 04:17PM HST carty.s.chang@hawaii.gov State of Hawaii <div style="text-align: right;">  </div>		
CHIEF ENGINEER			<div style="text-align: right;"> DRAWING NO. A-701 </div>		



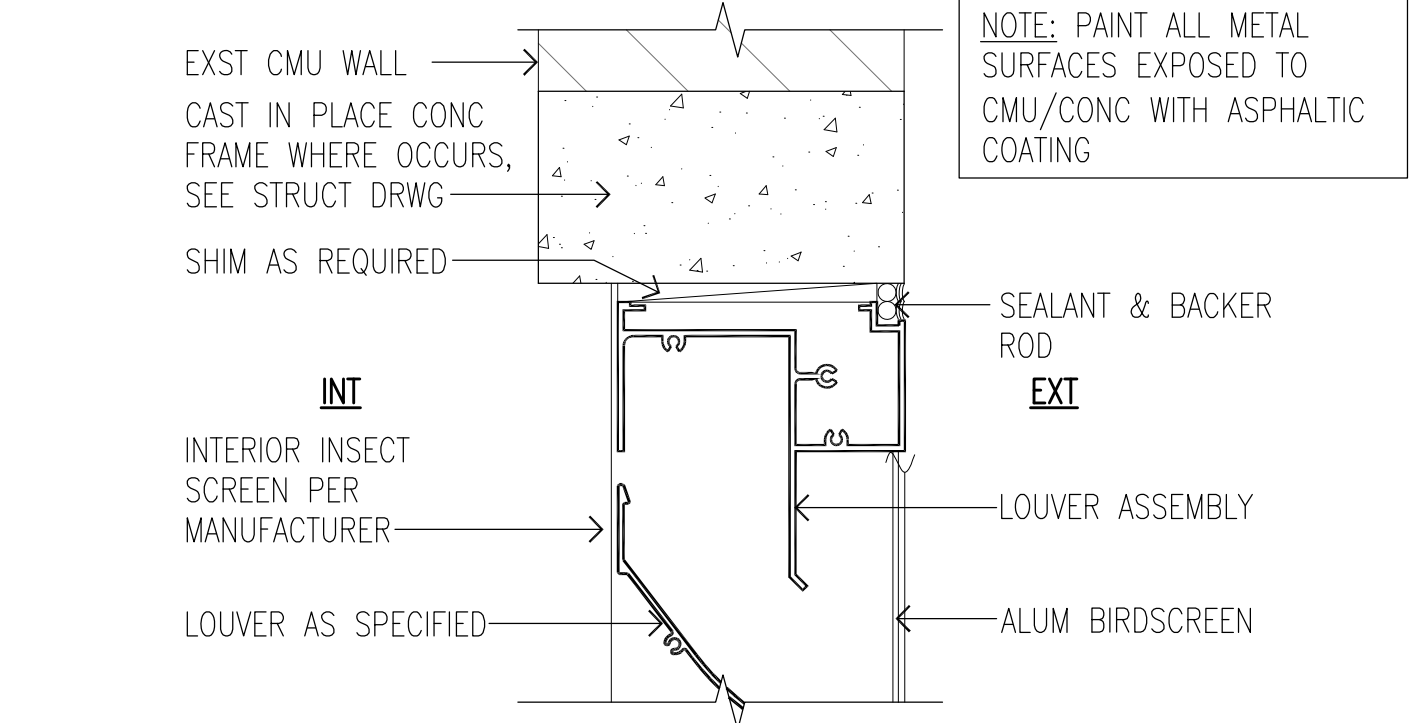
1 STOREFRONT GLAZING HEAD DETAIL
SCALE: 3"=1'-0"



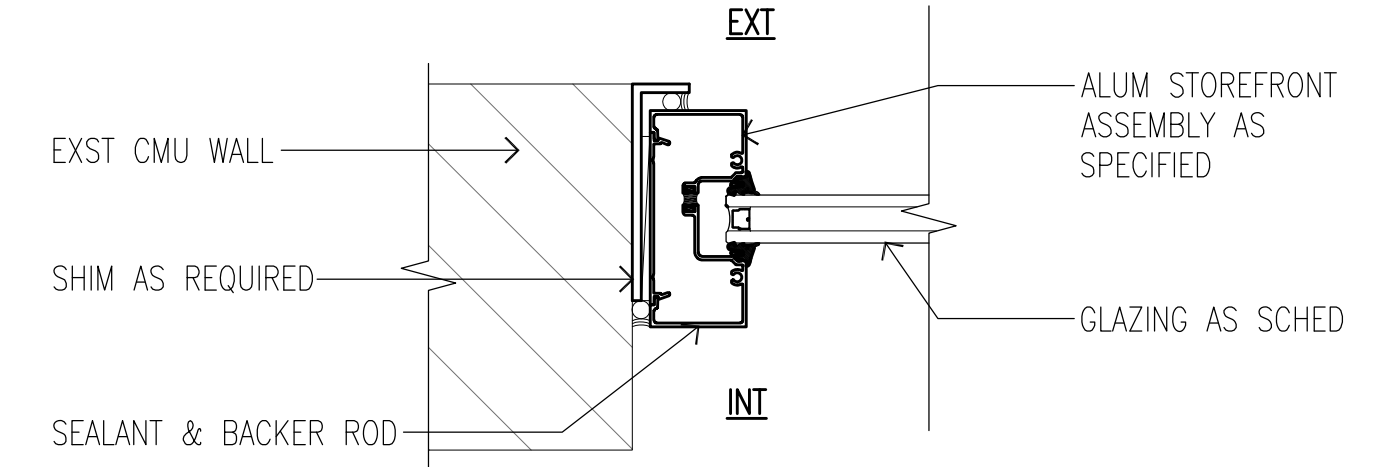
2 STOREFRONT DOOR HEAD DETAIL (EXT ALUM DR SIM)
SCALE: 3"=1'-0"



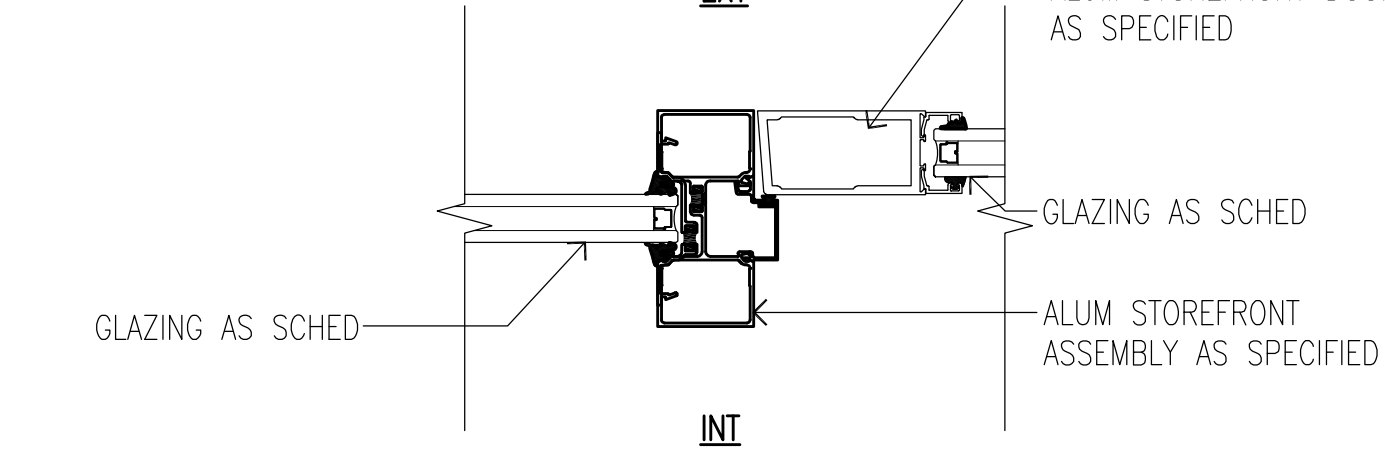
3 EXT WINDOW FIXED LEAF HEAD DETAIL (OPERABLE SIM)
SCALE: 3" = 1'-0"



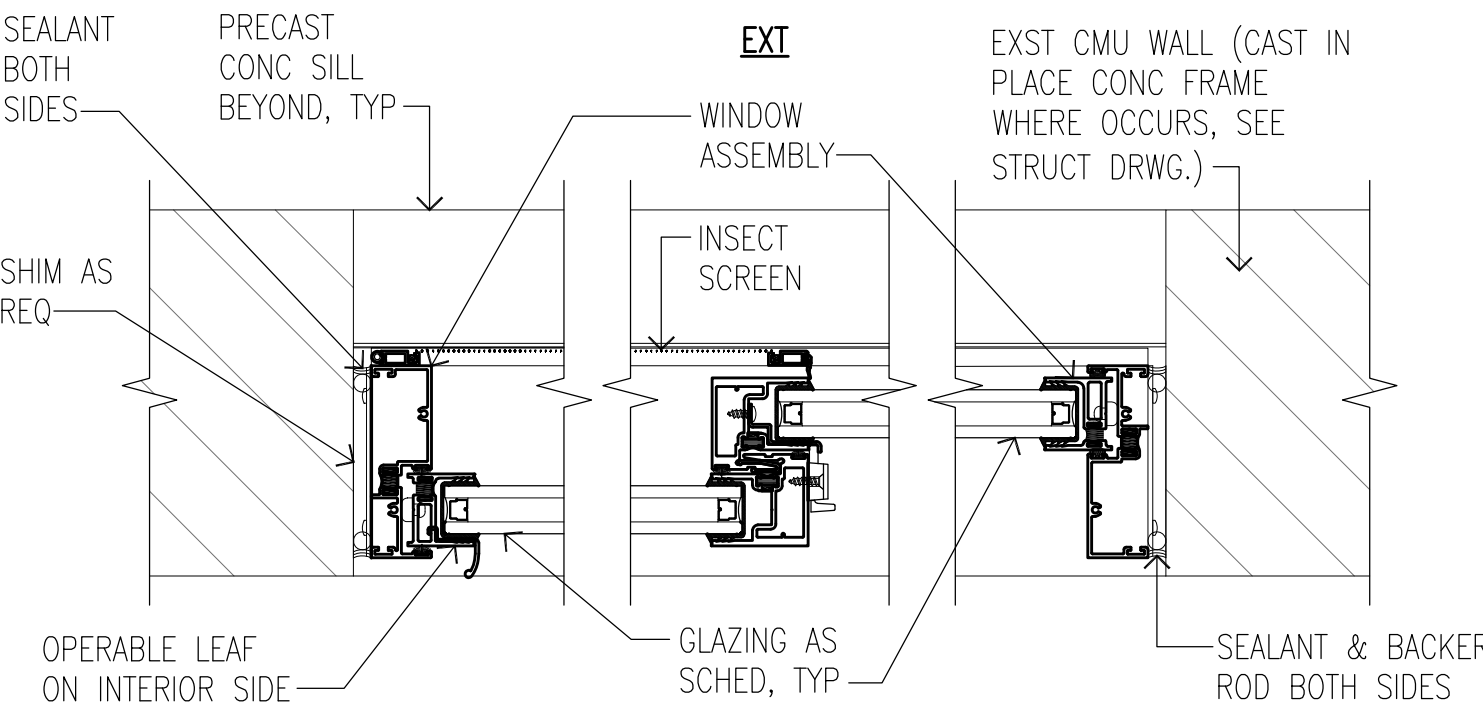
4 MET LOUVER HEAD DETAIL
SCALE: 3"=1'-0"



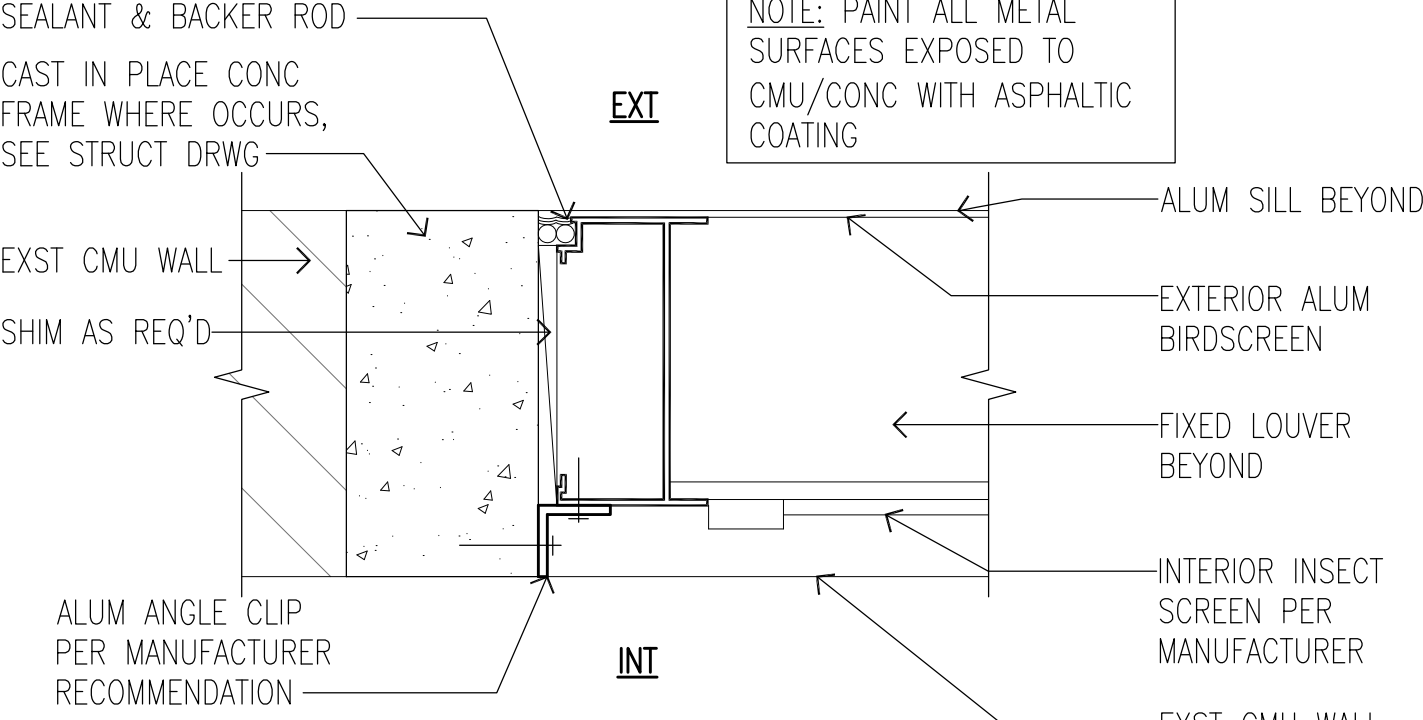
5 STOREFRONT GLAZING JAMB DETAIL
SCALE: 3"=1'-0"



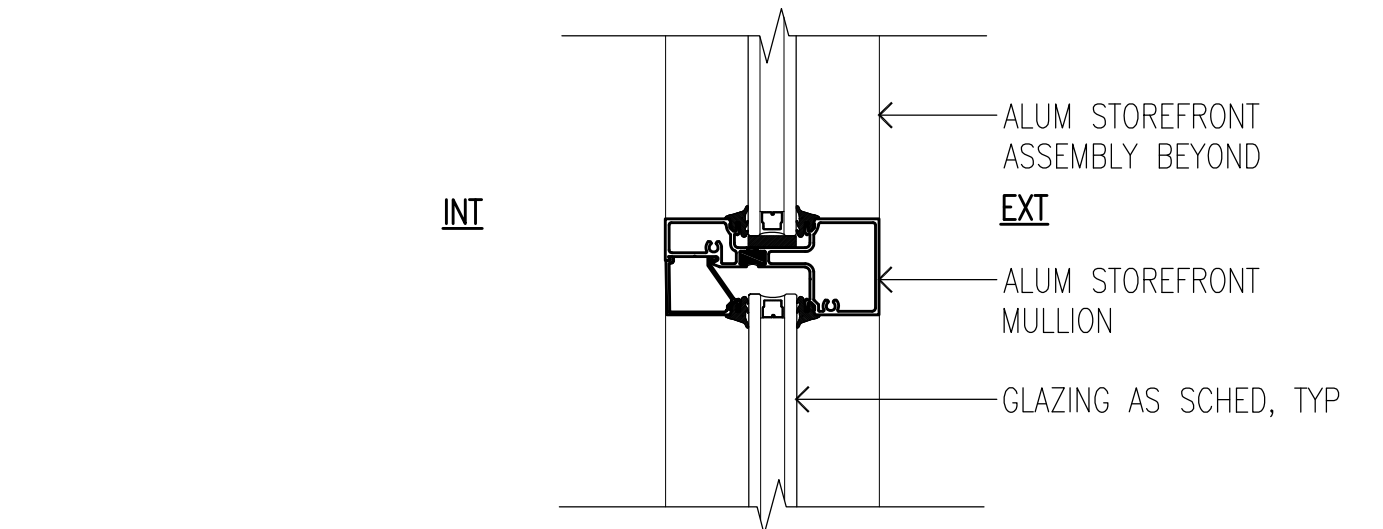
6 STOREFRONT DOOR JAMB DETAIL
SCALE: 3"=1'-0"



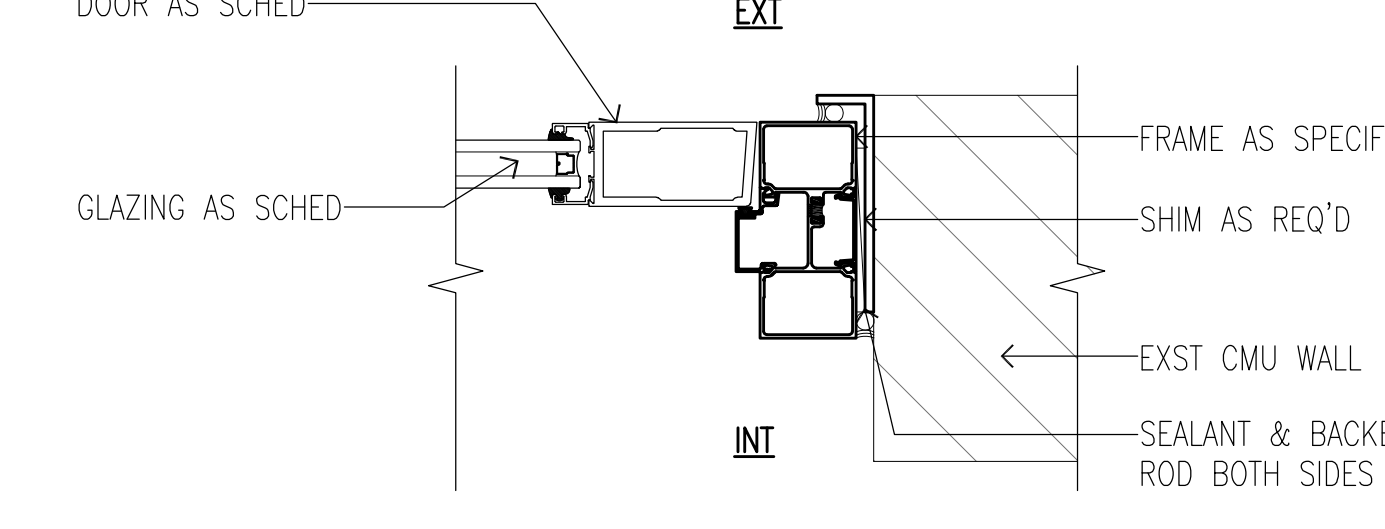
7 EXT WINDOW JAMB DETAIL
SCALE: 3" = 1'-0"



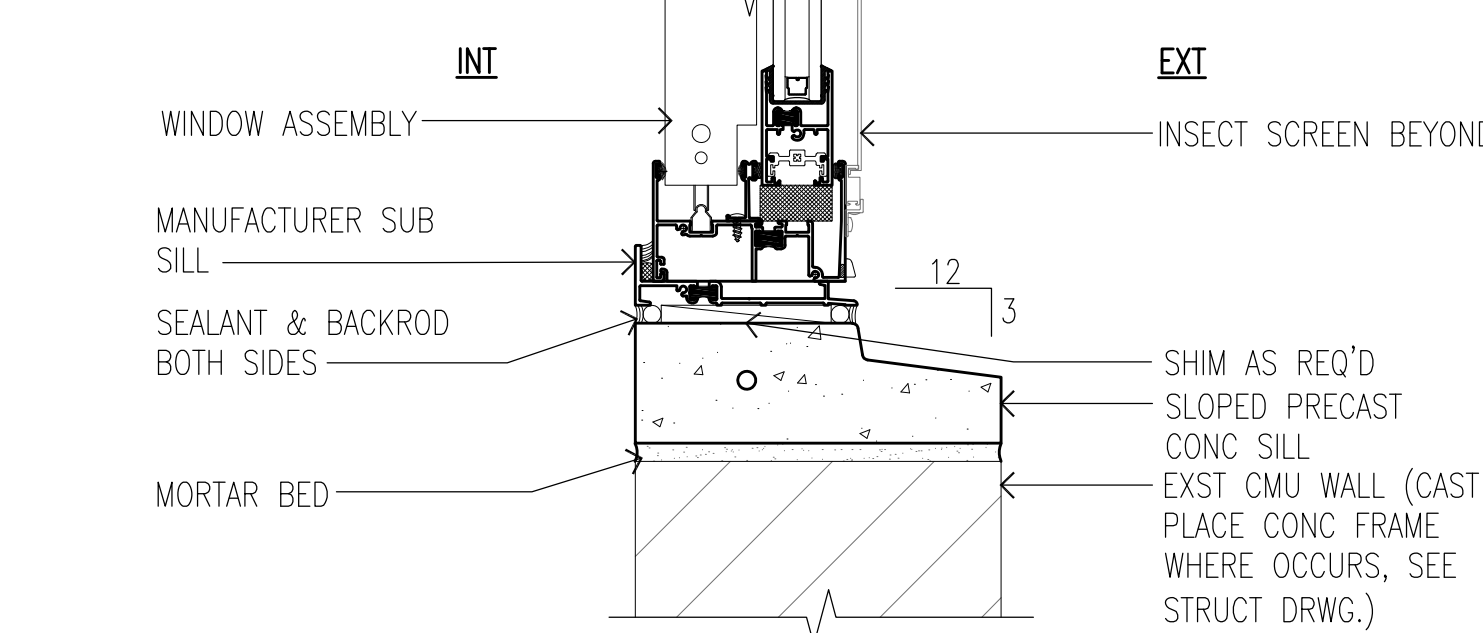
8 MET LOUVER JAMB DETAIL
SCALE: 3"=1'-0"



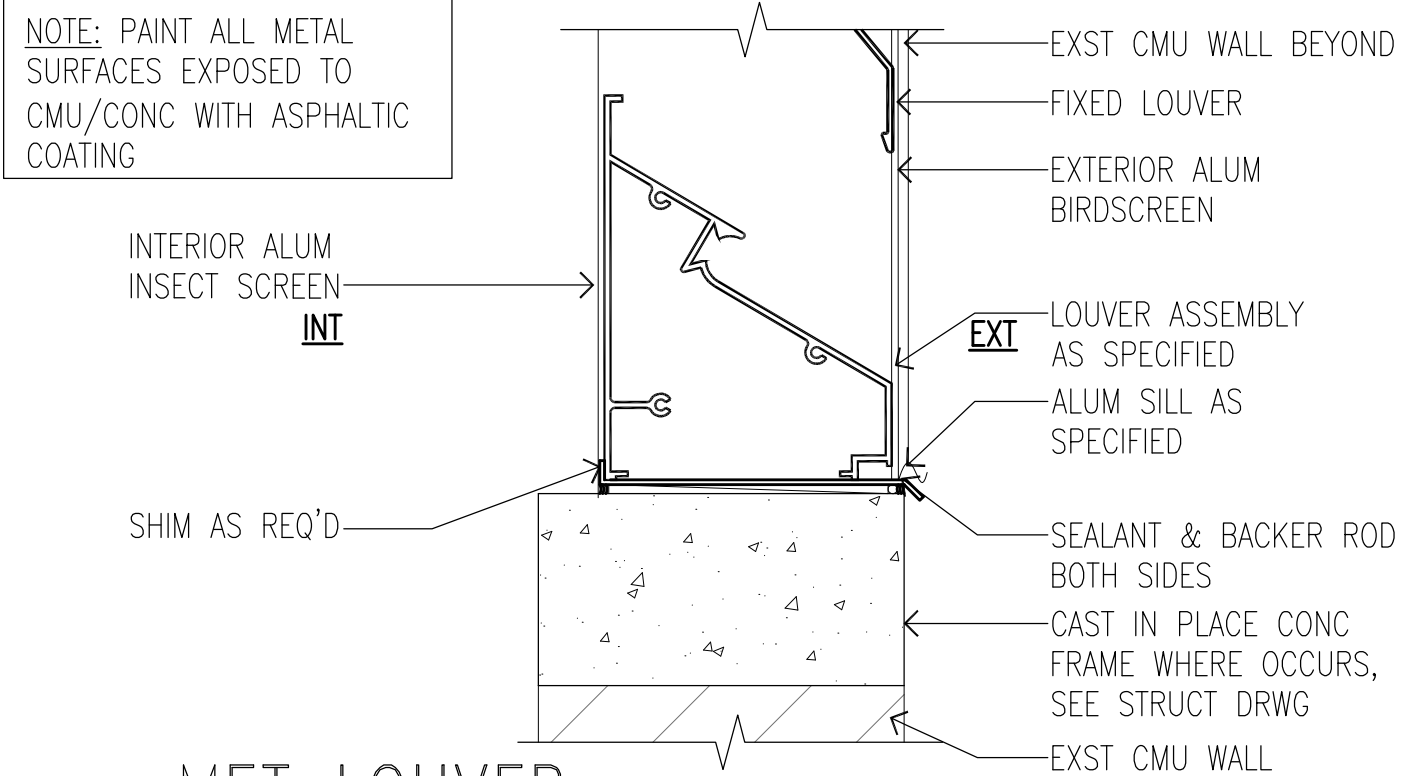
9 STOREFRONT GLAZING HORIZONTAL MULLION DETAIL
SCALE: 3"=1'-0"



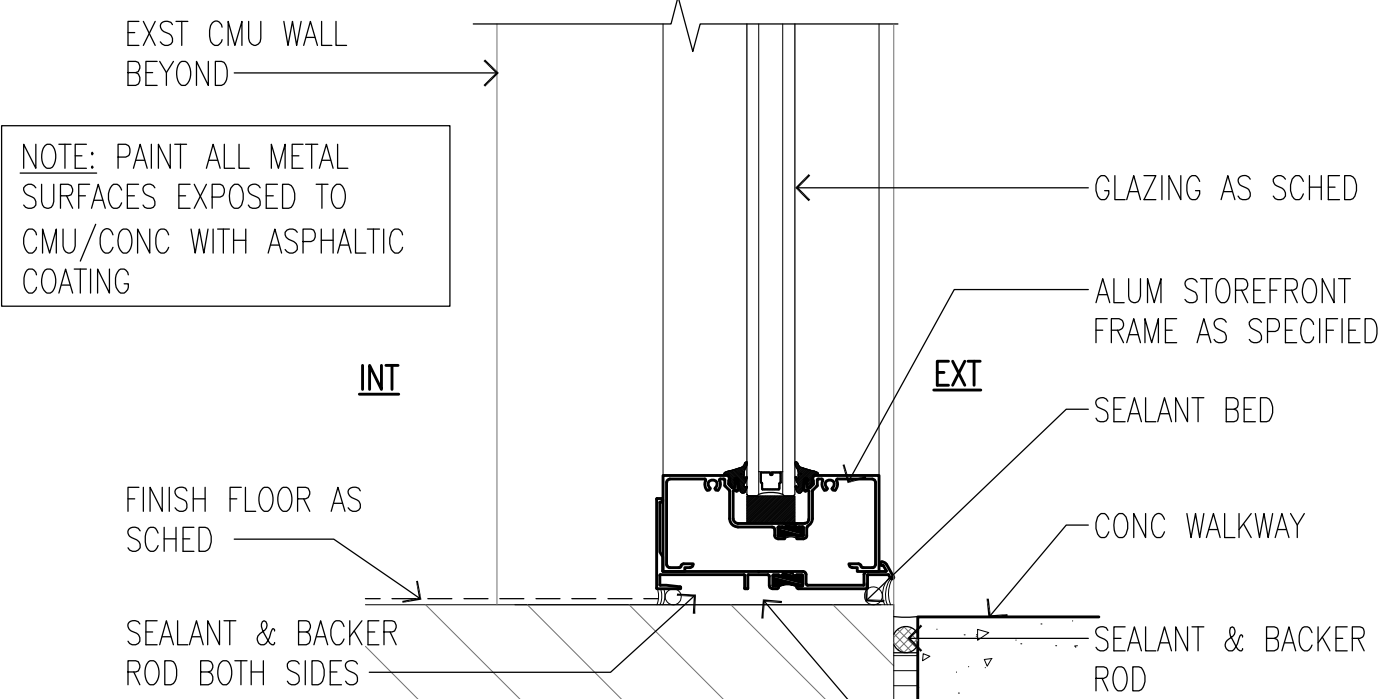
10 EXT ALUMINUM DOOR JAMB DETAIL
SCALE: 3"=1'-0"



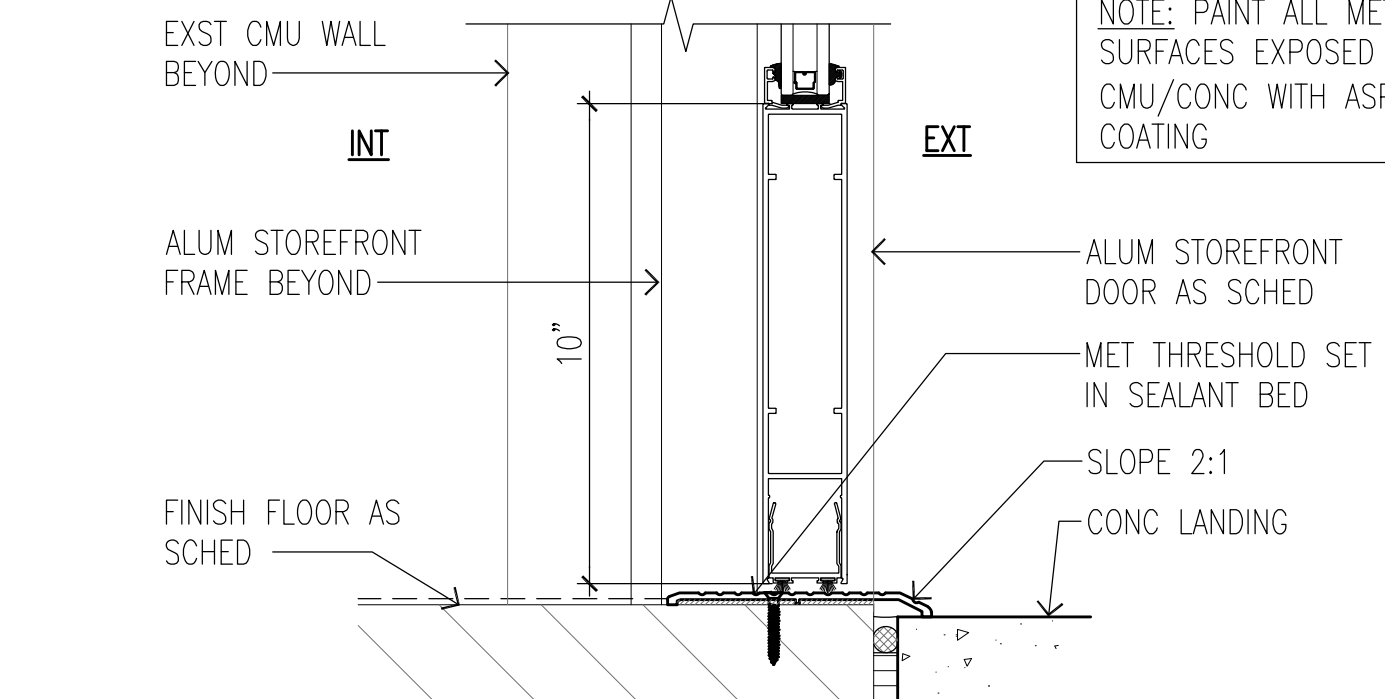
11 EXT WINDOW FIXED LEAF SILL DETAIL (OPERABLE SIM)
SCALE: 3" = 1'-0"



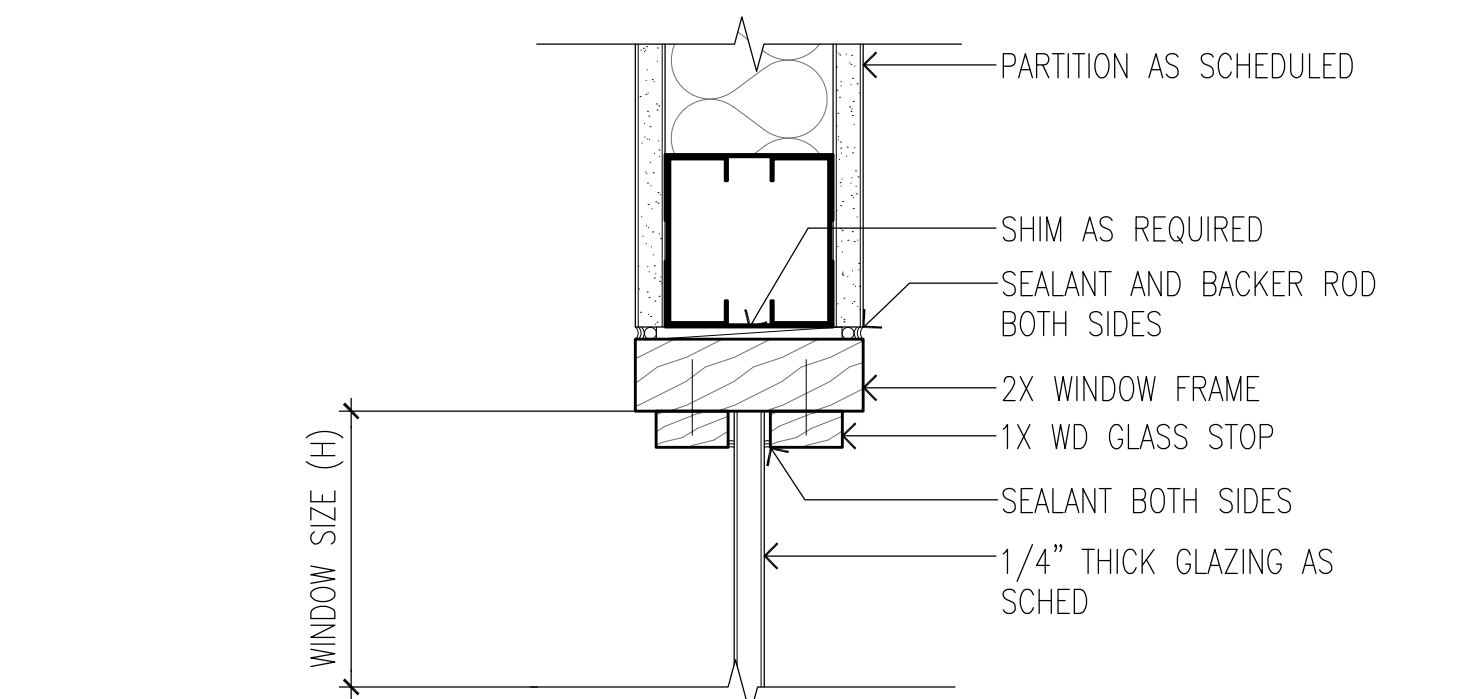
12 MET LOUVER SILL DETAIL
SCALE: 3"=1'-0"



13 STOREFRONT GLAZING SILL DETAIL
SCALE: 3"=1'-0"

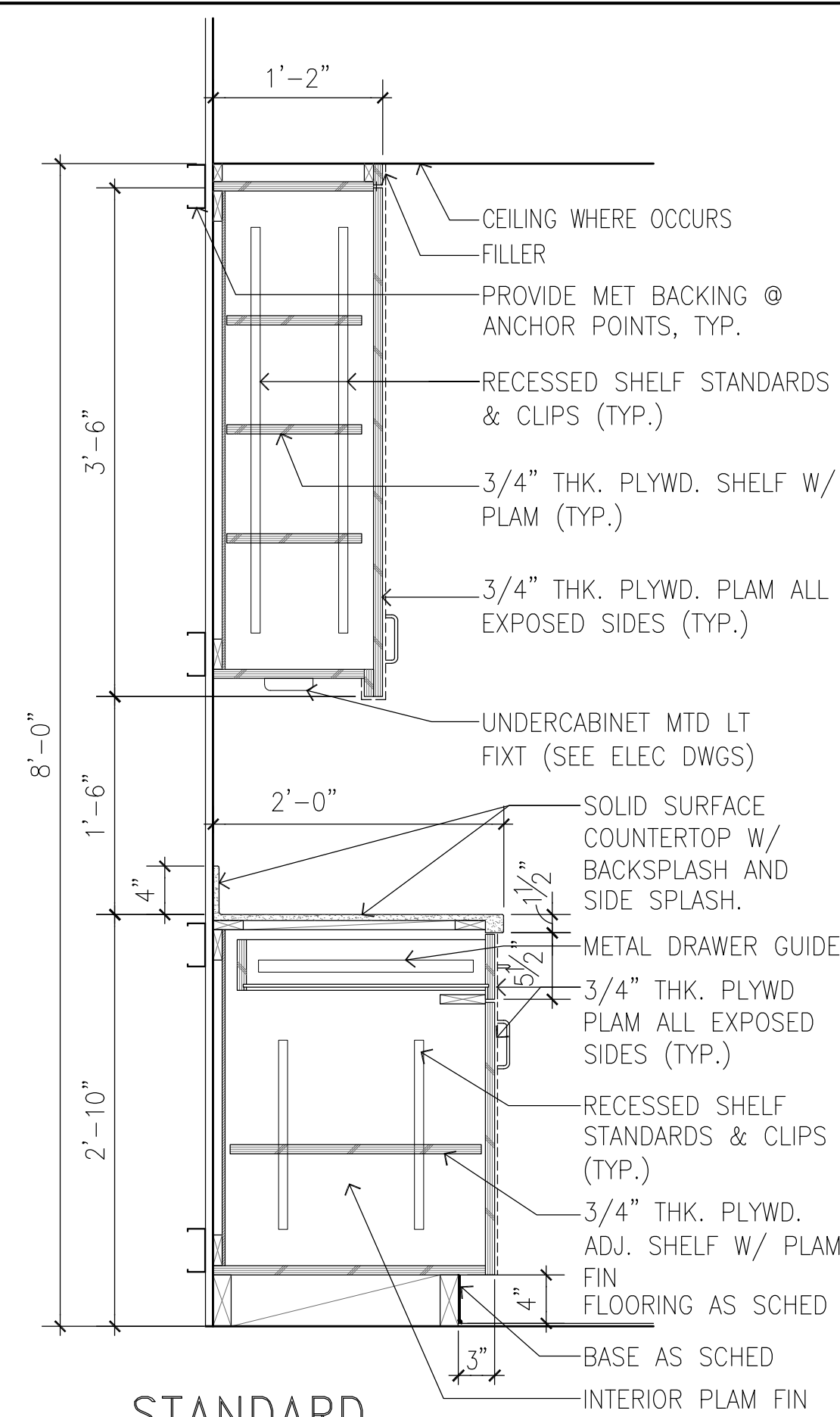


14 STOREFRONT DOOR THRESHOLD DETAIL (EXT ALUM DR SIM)
SCALE: 3"=1'-0"

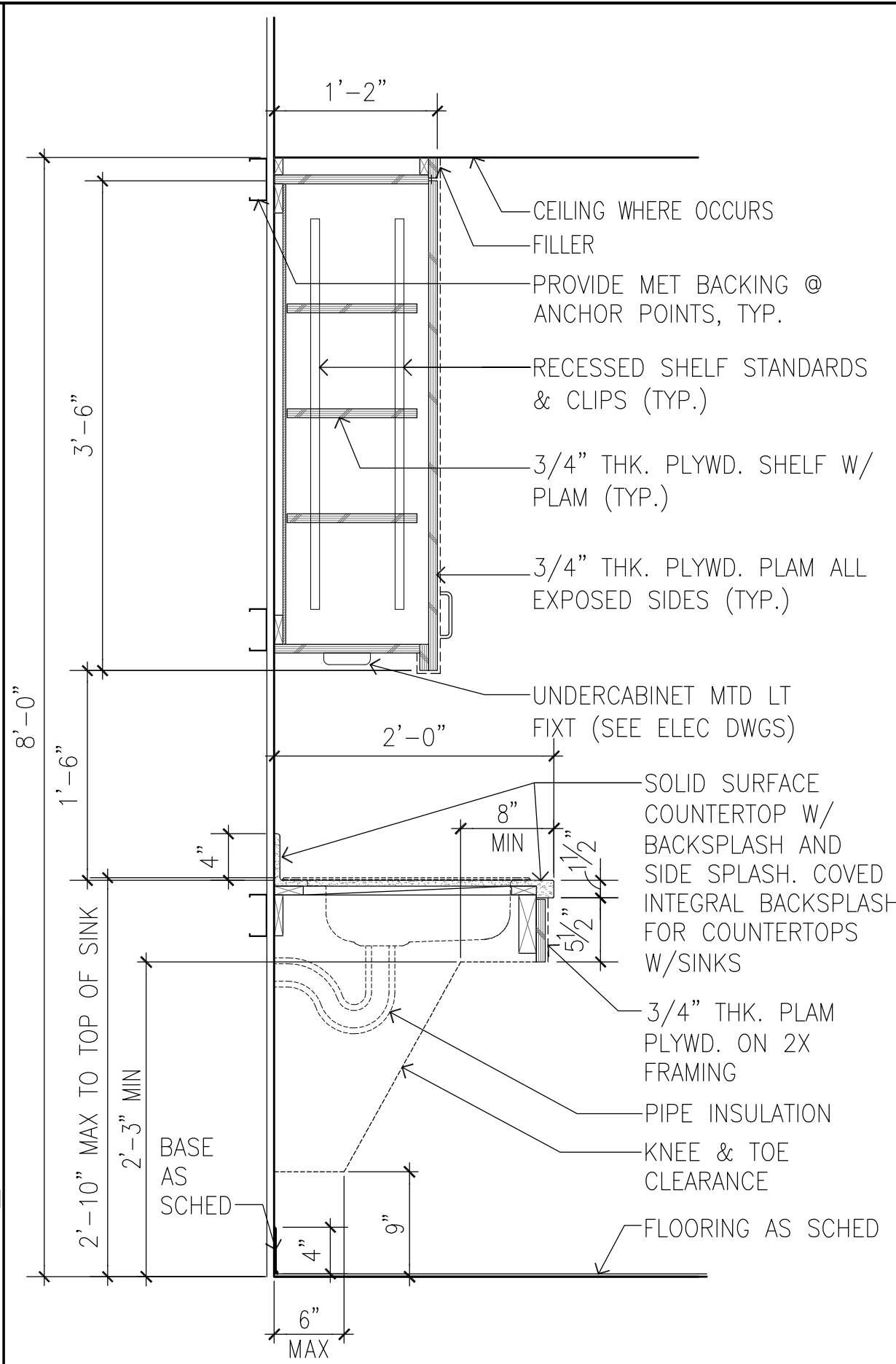


15 TYP INT WINDOW HEAD DETAIL (JAMB/SILL SIM)
SCALE: 3"=1'-0"

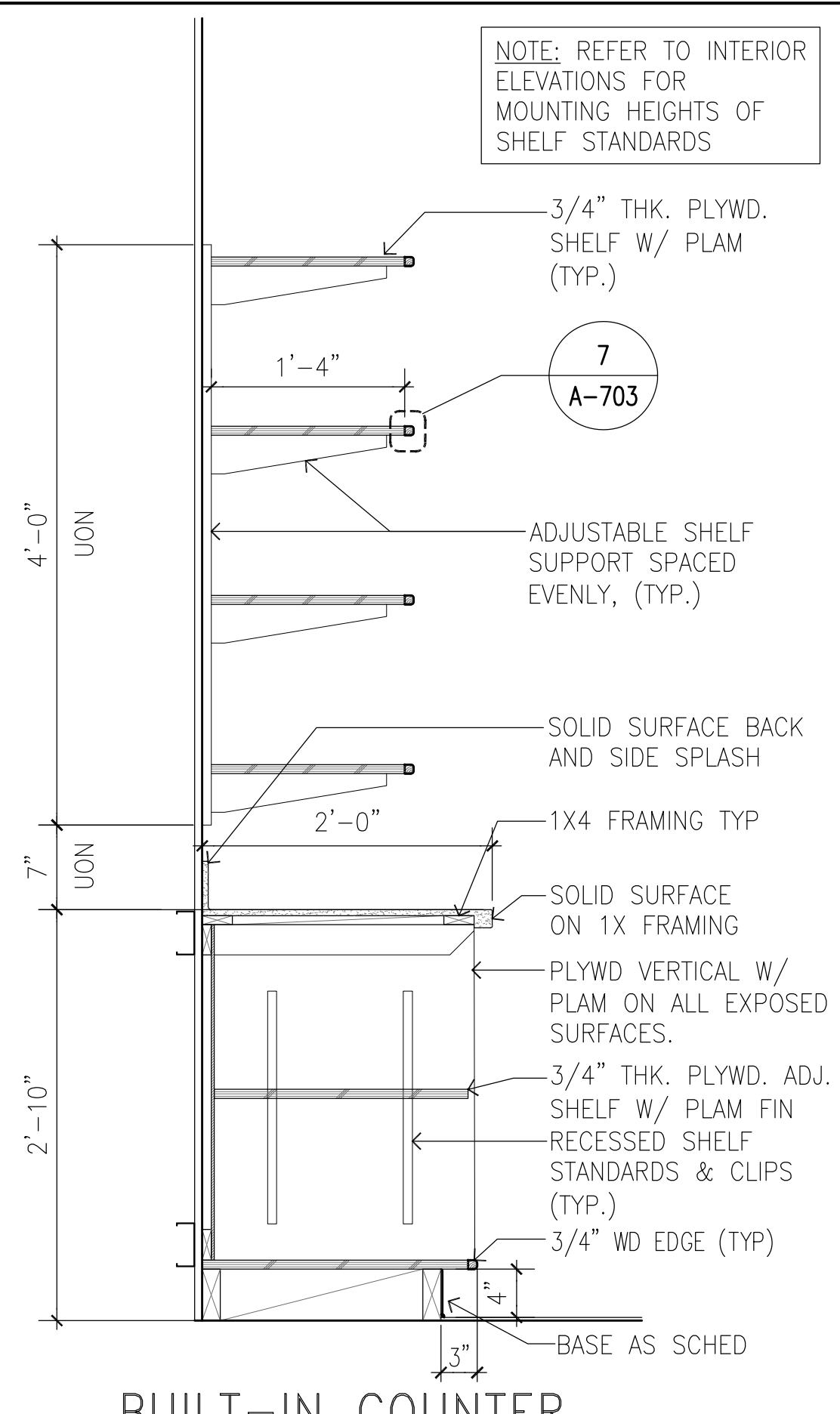
REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
<div><div><div>STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION</div><div>HAWAII DISTRICT LAND OFFICE HILO, HAWAII</div><div>WINDOW & STOREFRONT DETAILS</div></div><div><div>DESIGNED: KK</div><div>DRAWN: KA, TW, WL</div><div>CHECKED: FE</div><div>APPROVED: </div><div>CHIEF ENGINEER</div></div><div><div>SUBMITTED: </div><div>DATE: NOVEMBER 2022</div><div>SCALE: AS NOTED</div><div>DRAWING NO. A-702</div></div></div>					
JOB NO. E00BH30A SHEET NO. 41 OF 77 SHEETS					



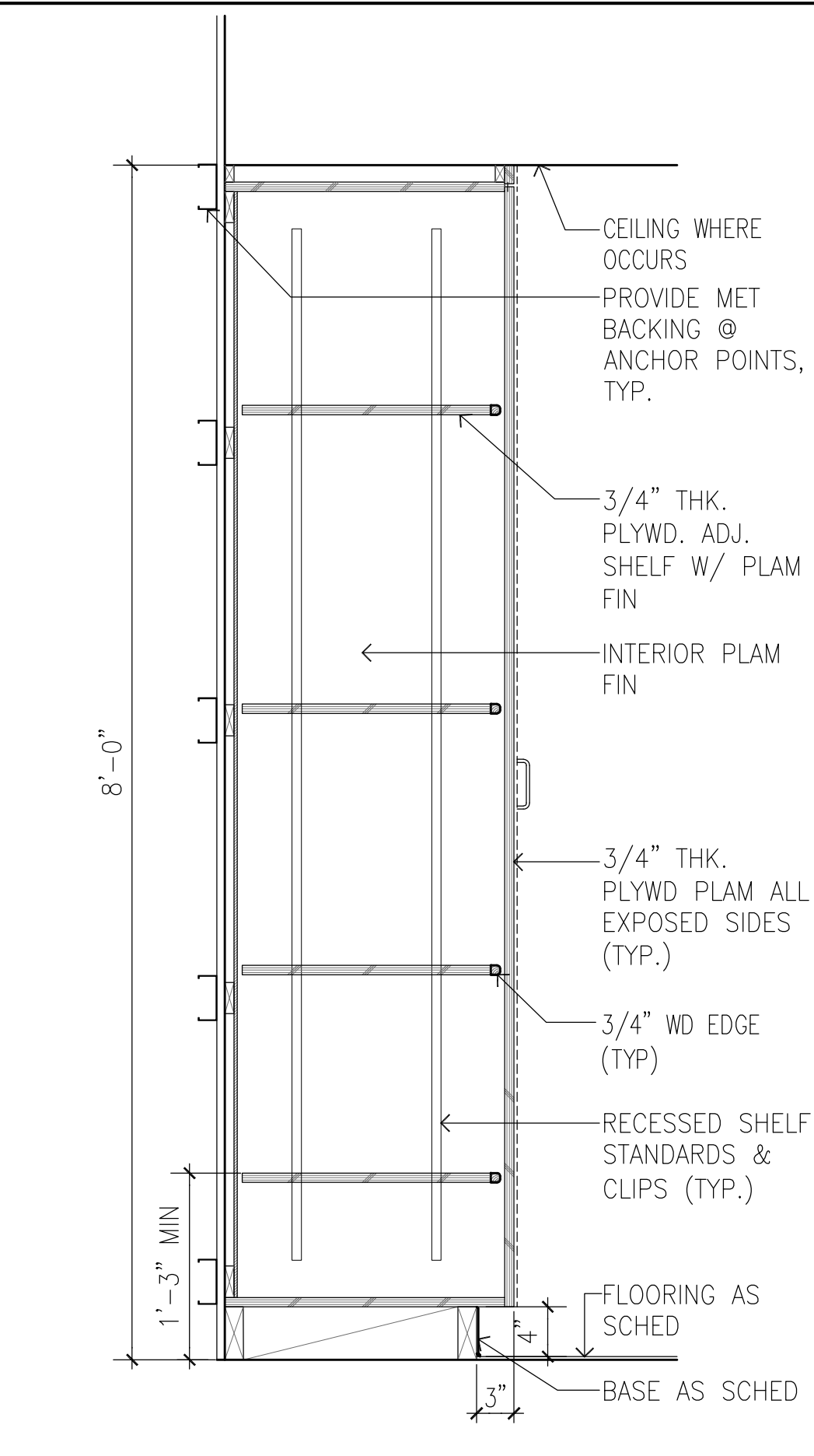
1 STANDARD CASEWORK DETAIL
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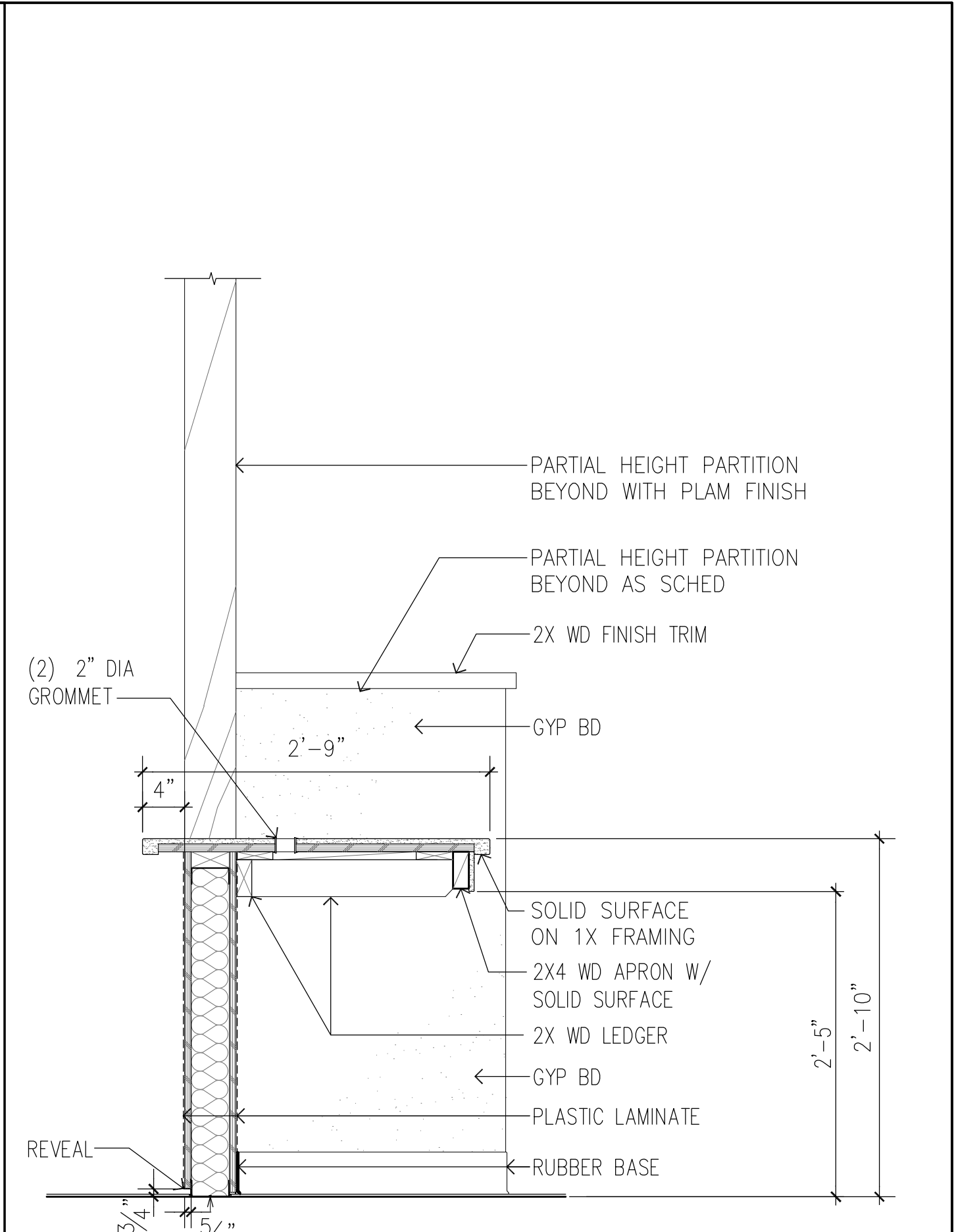
2 CASEWORK DETAIL AT SINK
SCALE: 1" = 1'-0"



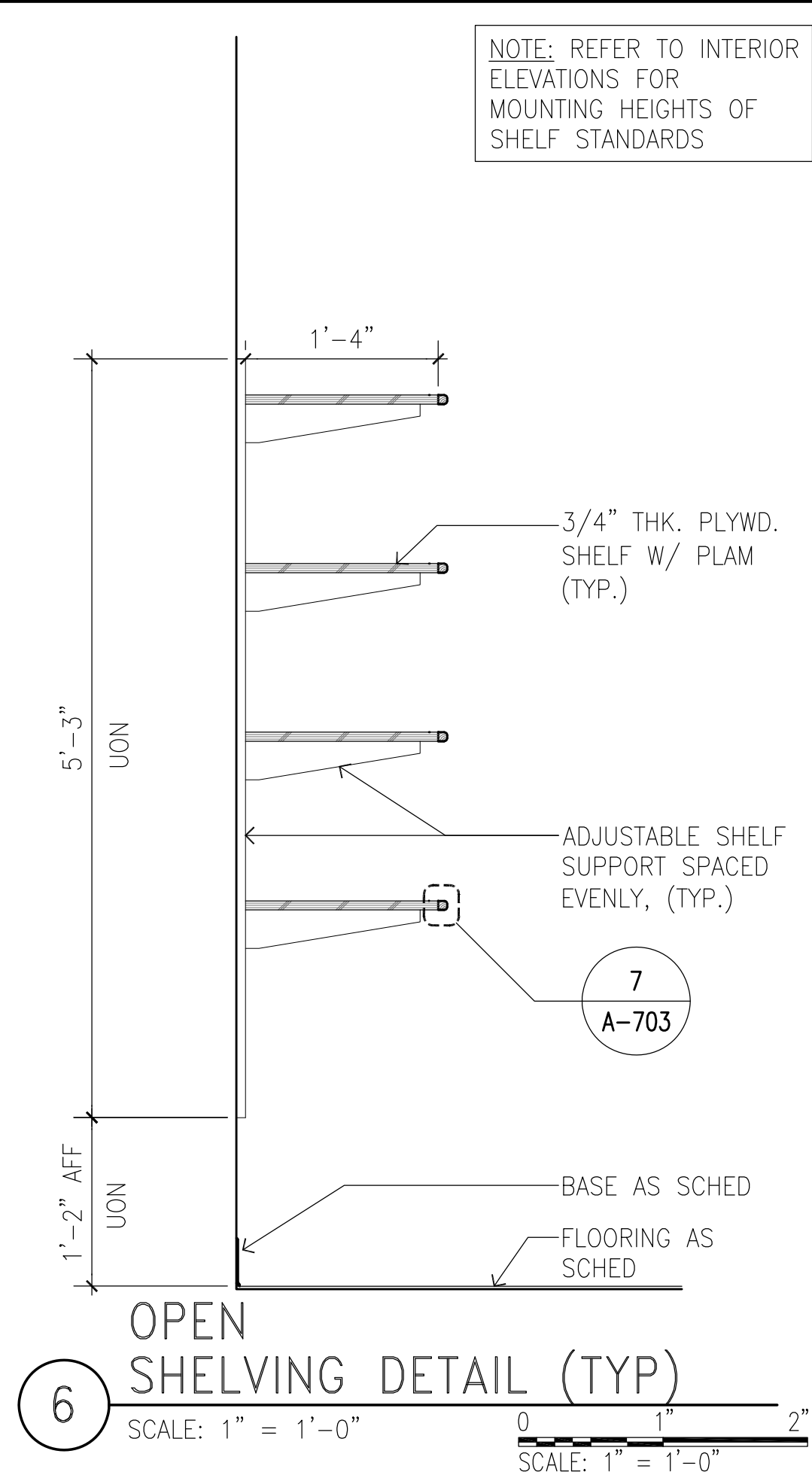
3 BUILT-IN COUNTER AT COPY AREA
SCALE: 1" = 1'-0"



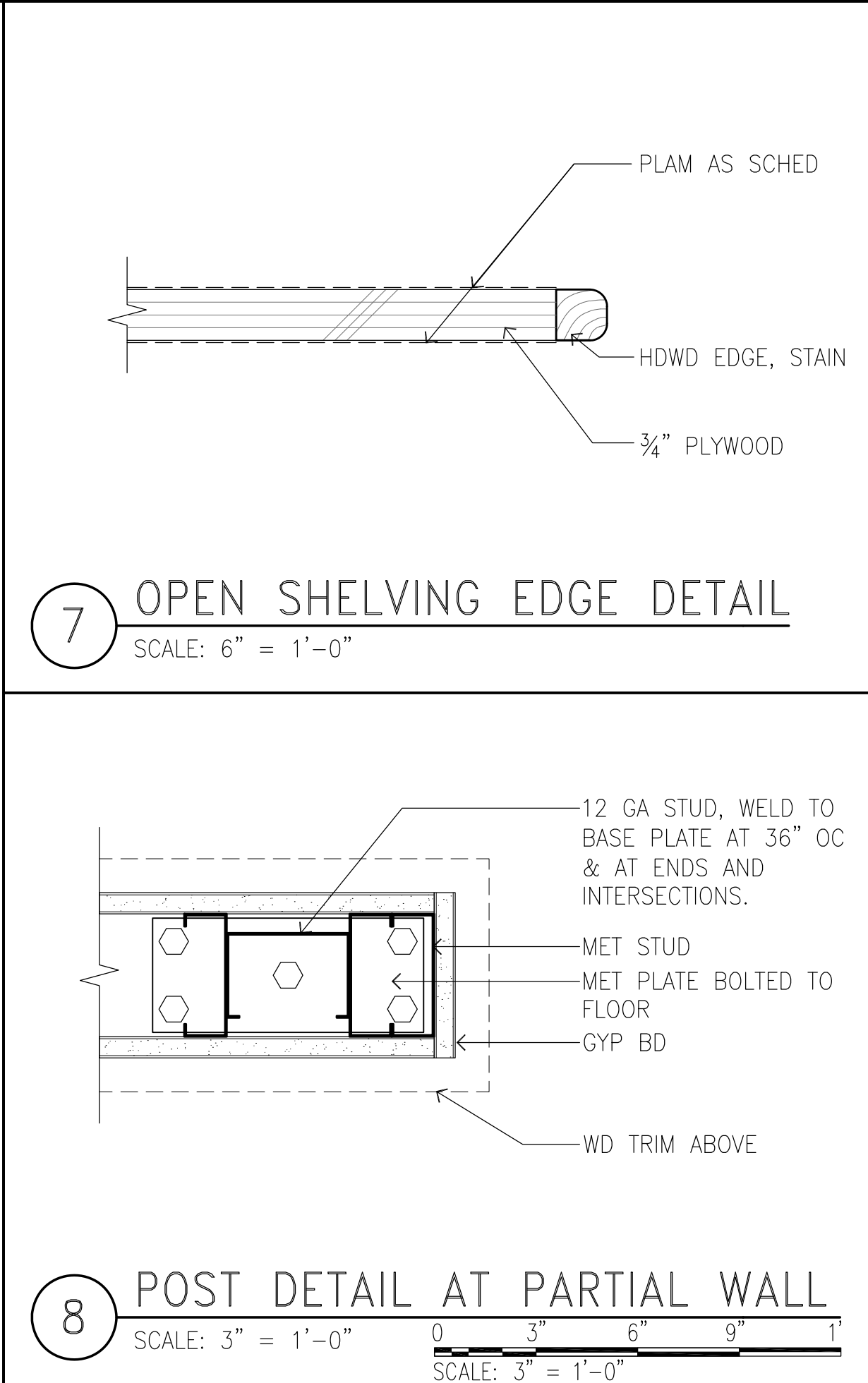
4 STORAGE CLOSET DETAIL
SCALE: 1" = 1'-0"



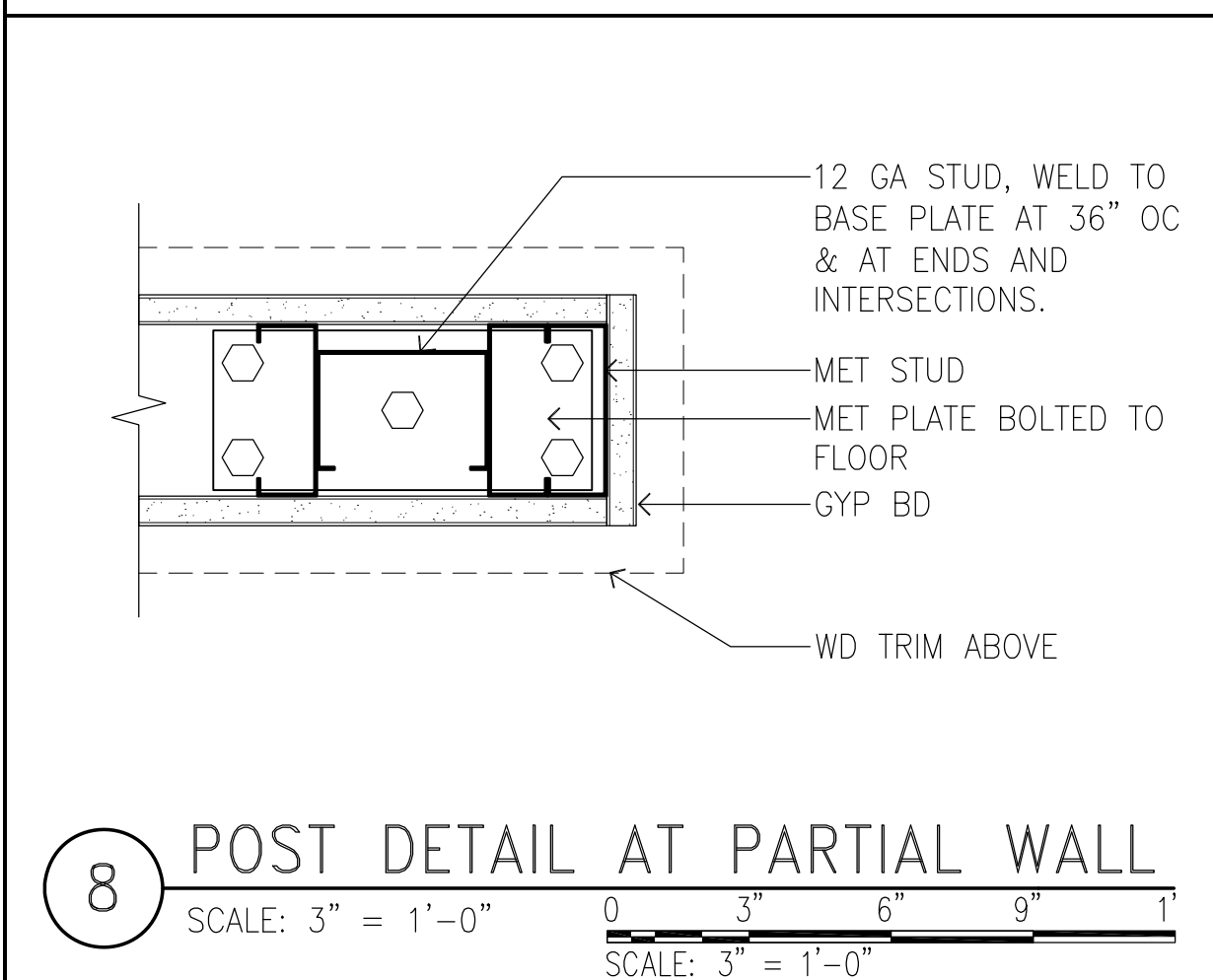
5 RECEPTION COUNTER DETAIL
SCALE: 1" = 1'-0"



6 OPEN SHELVING DETAIL (TYP)
SCALE: 1" = 1'-0"

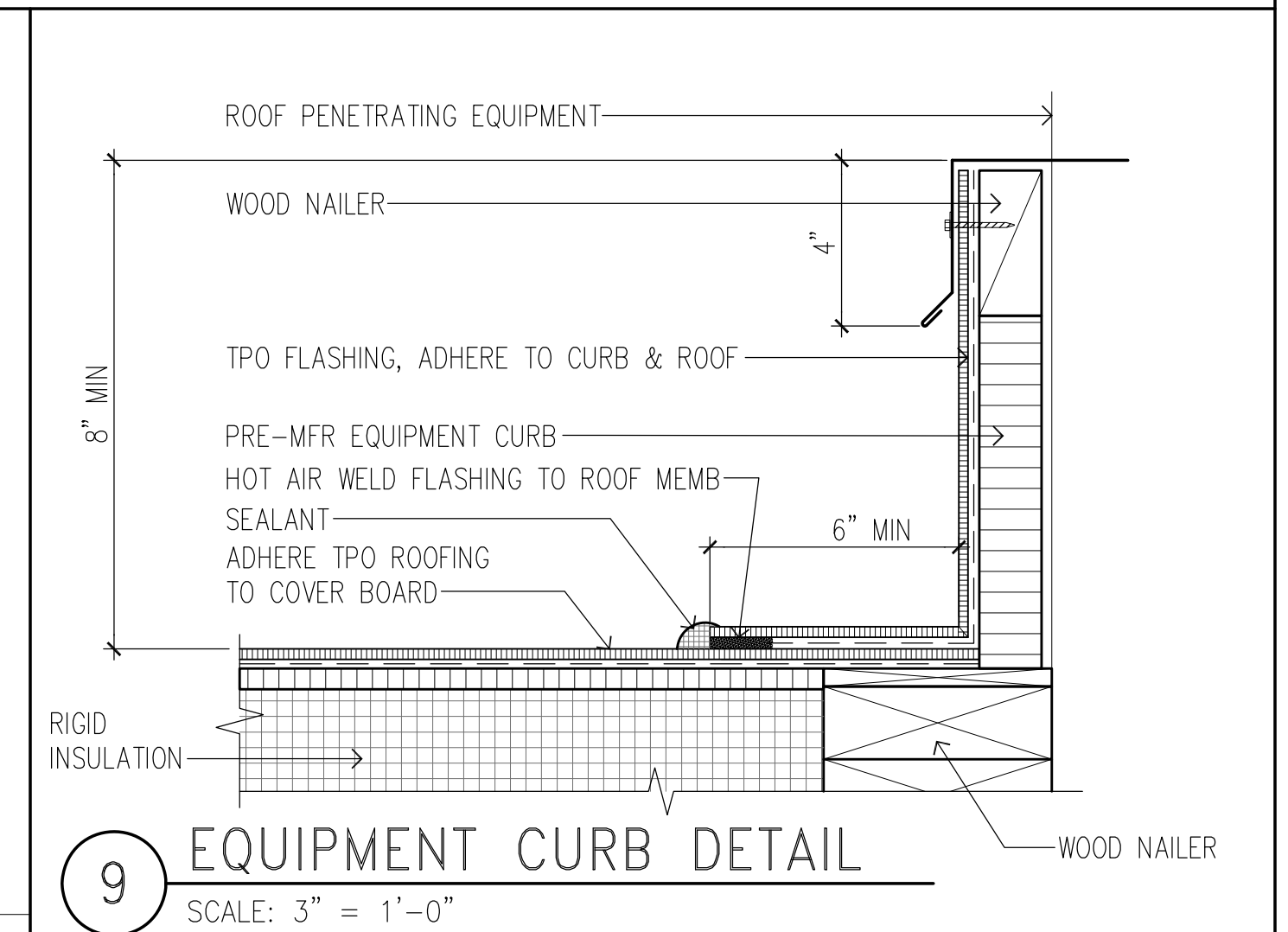
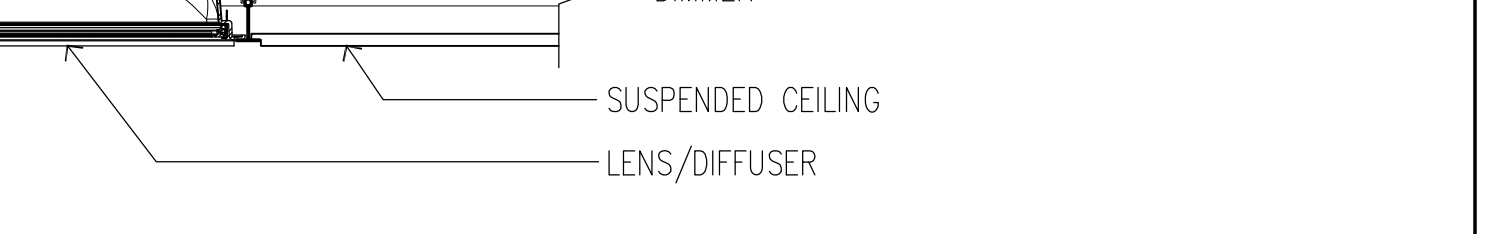
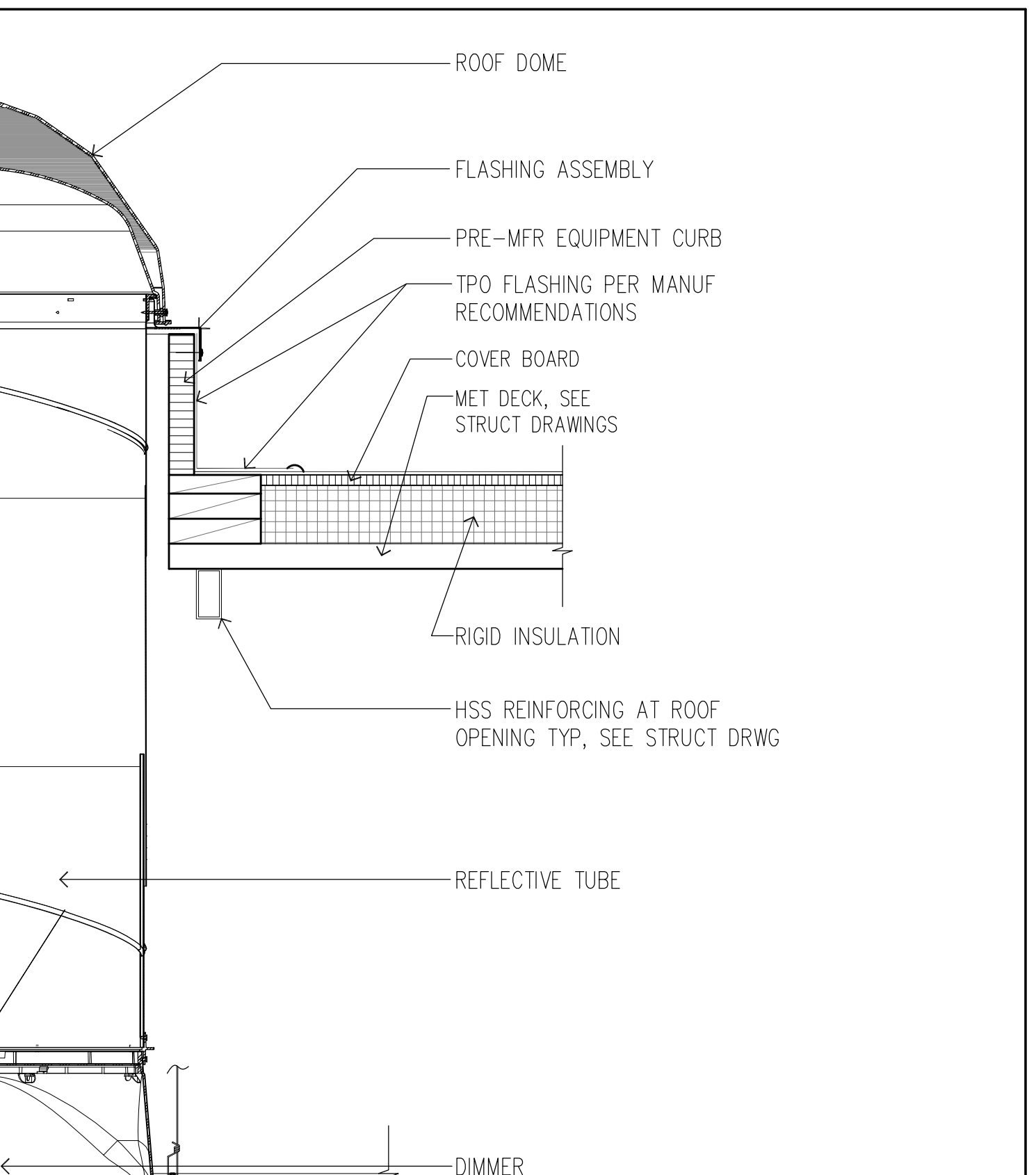
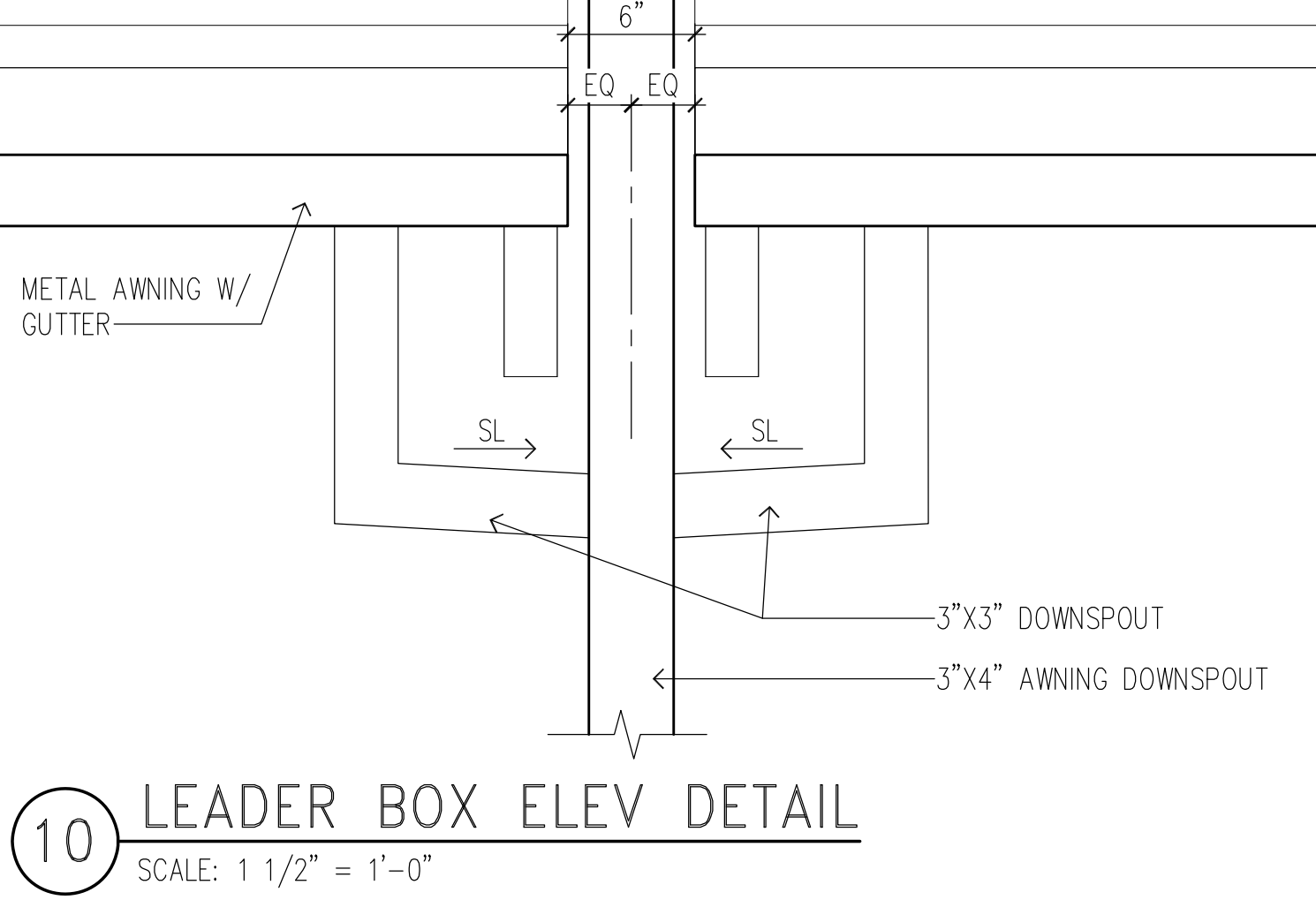
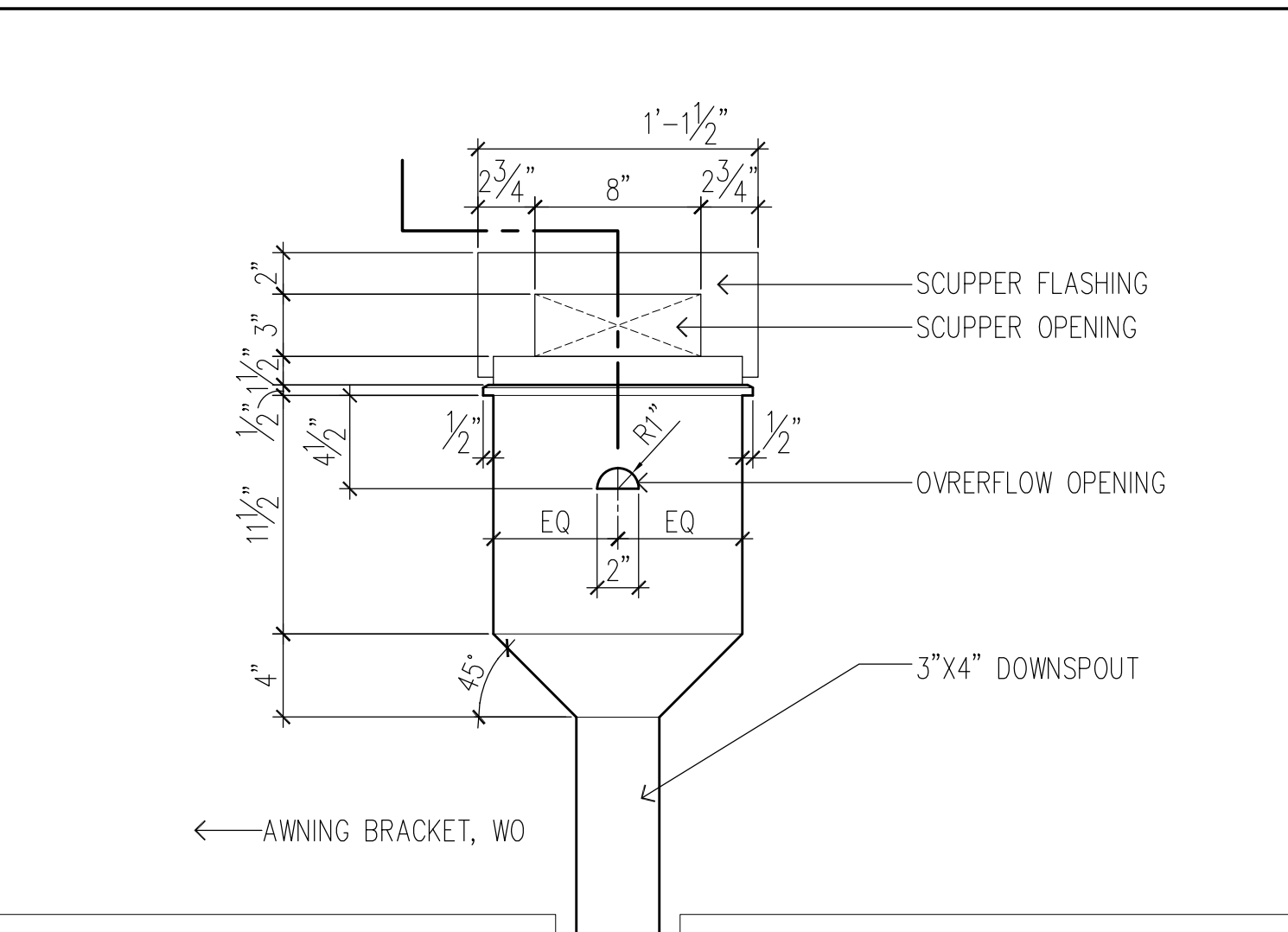
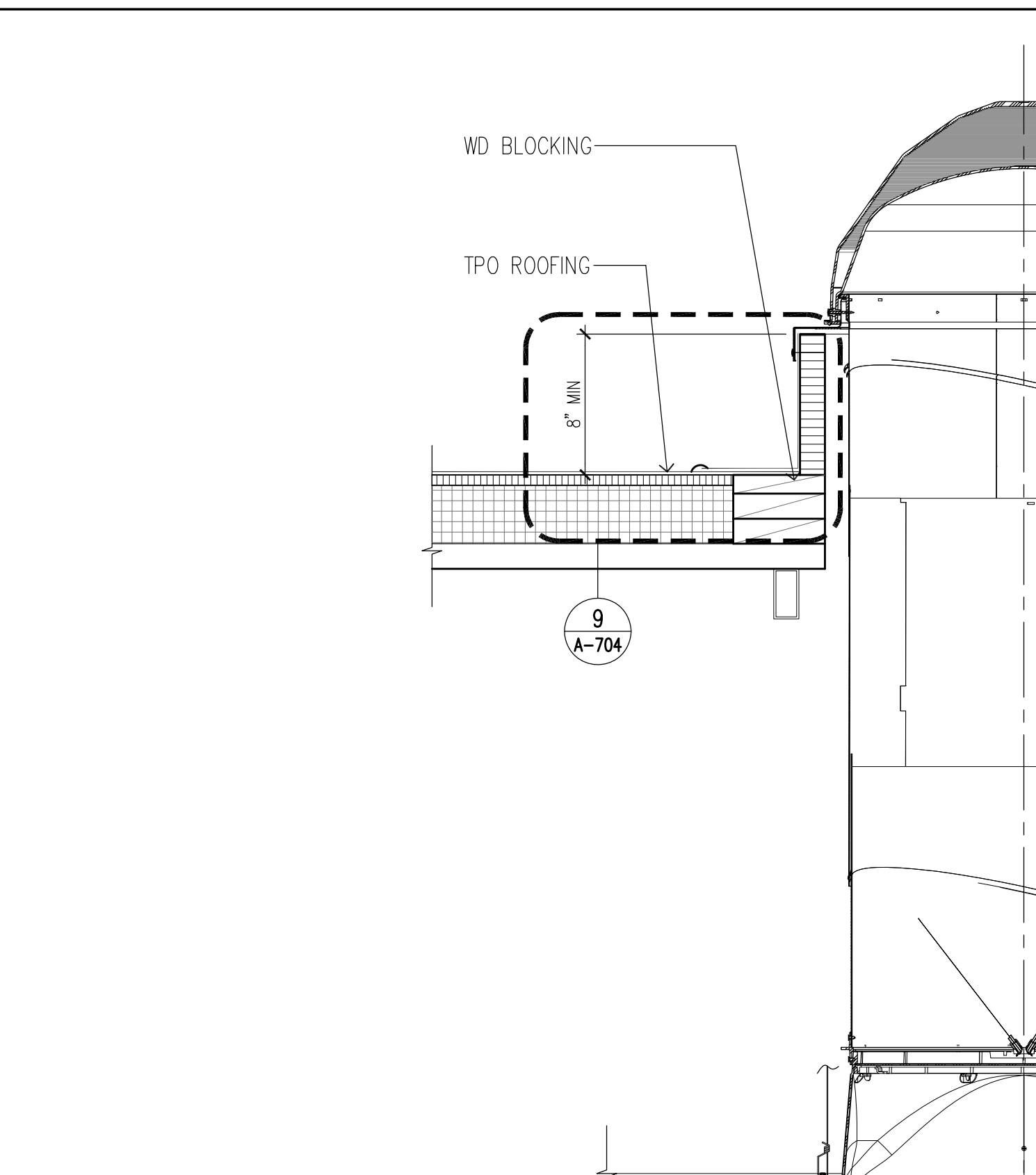
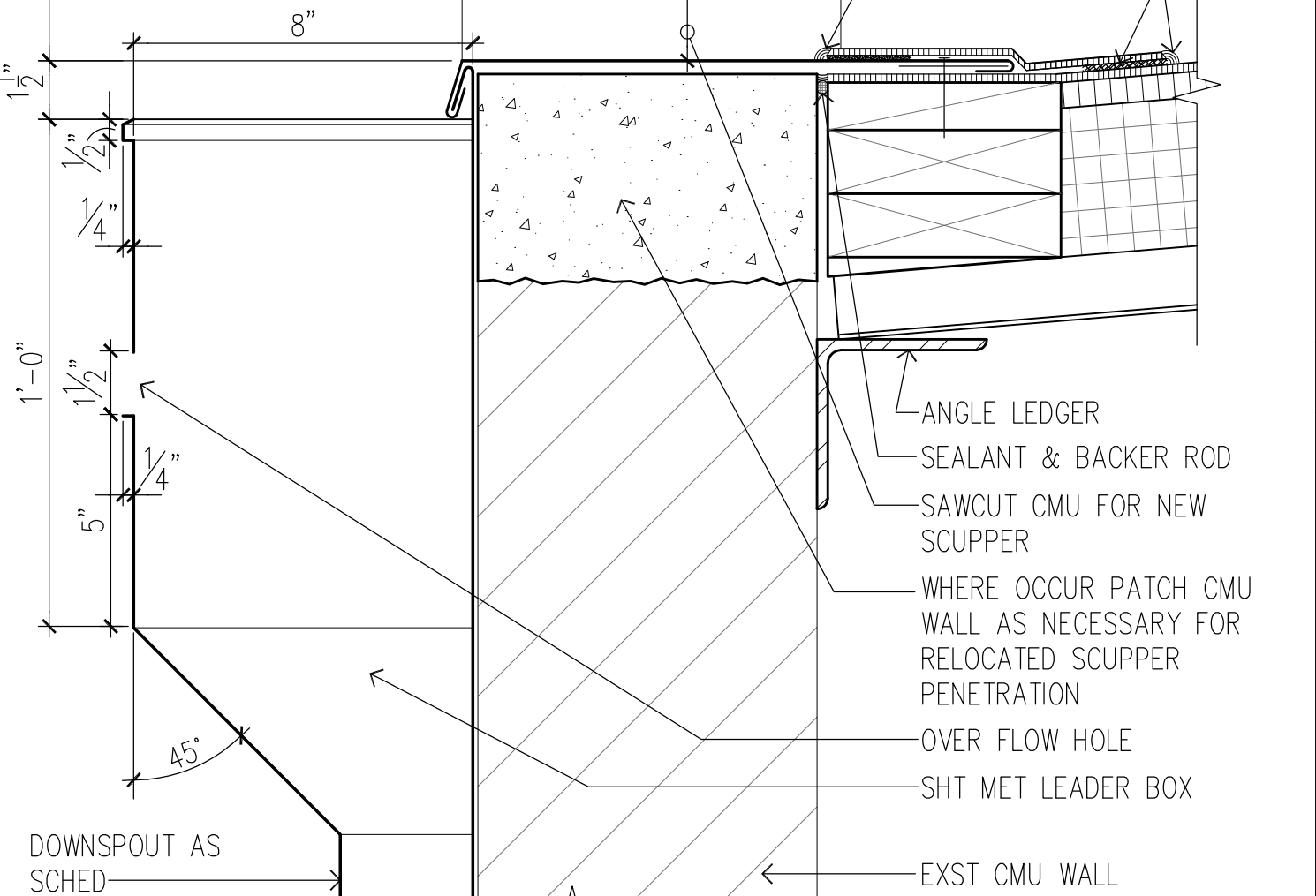
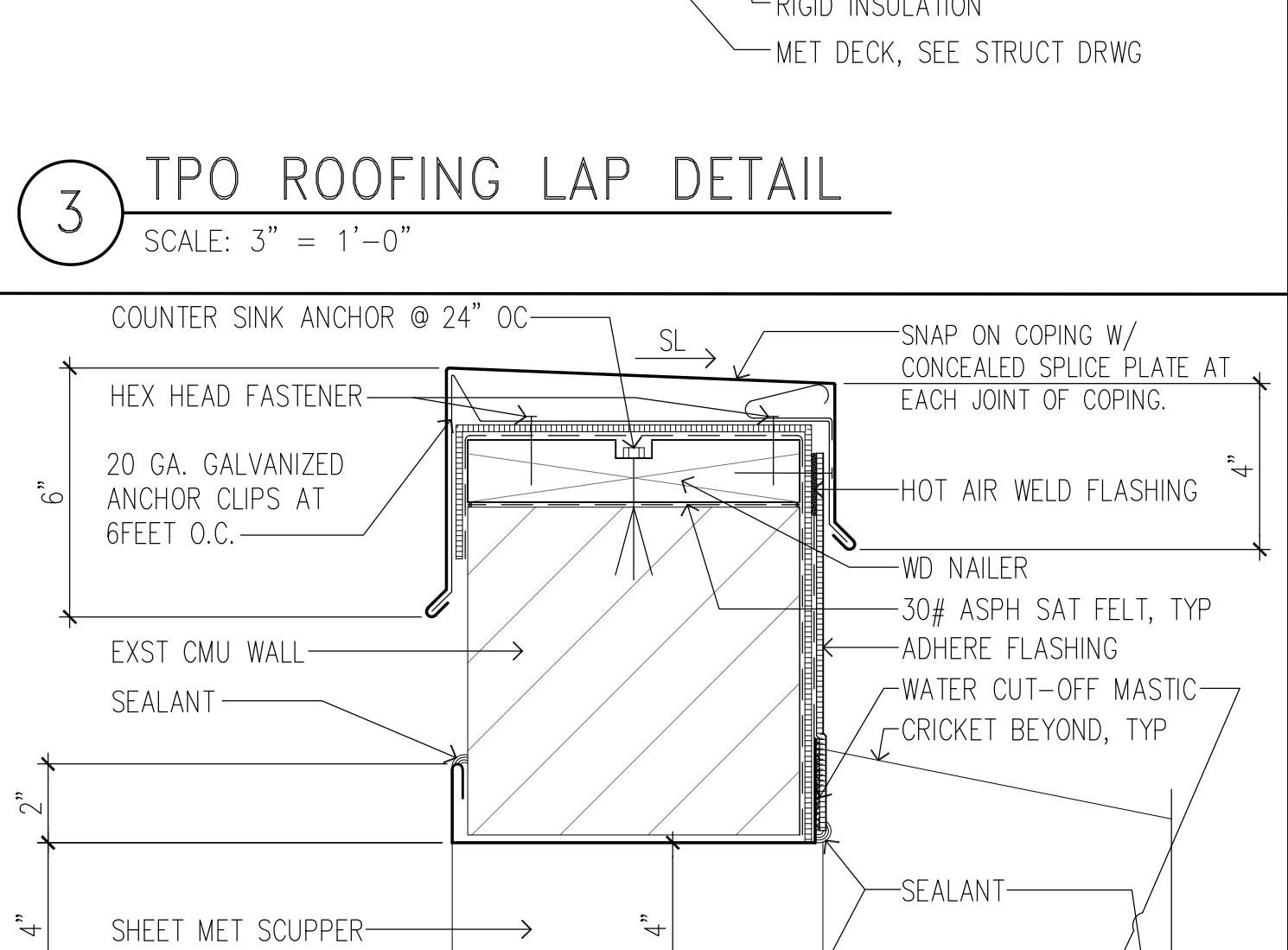
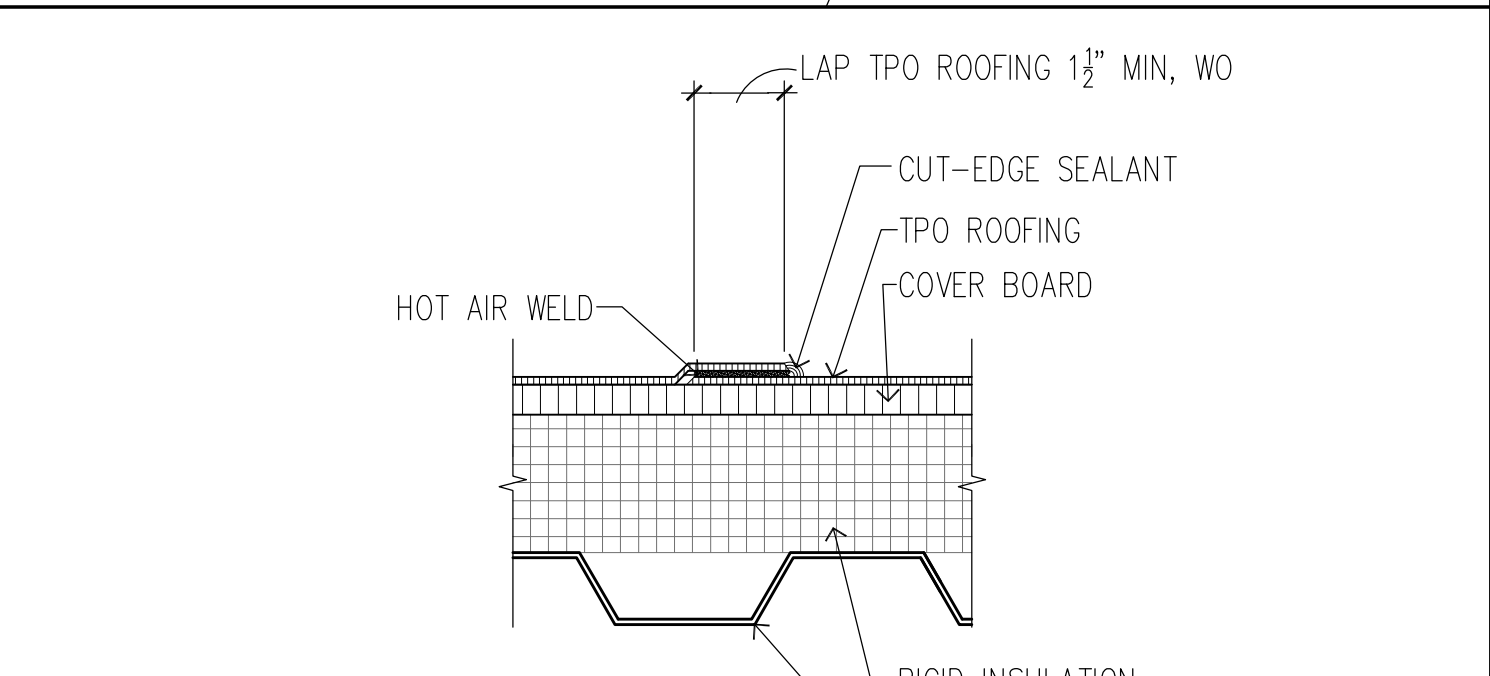
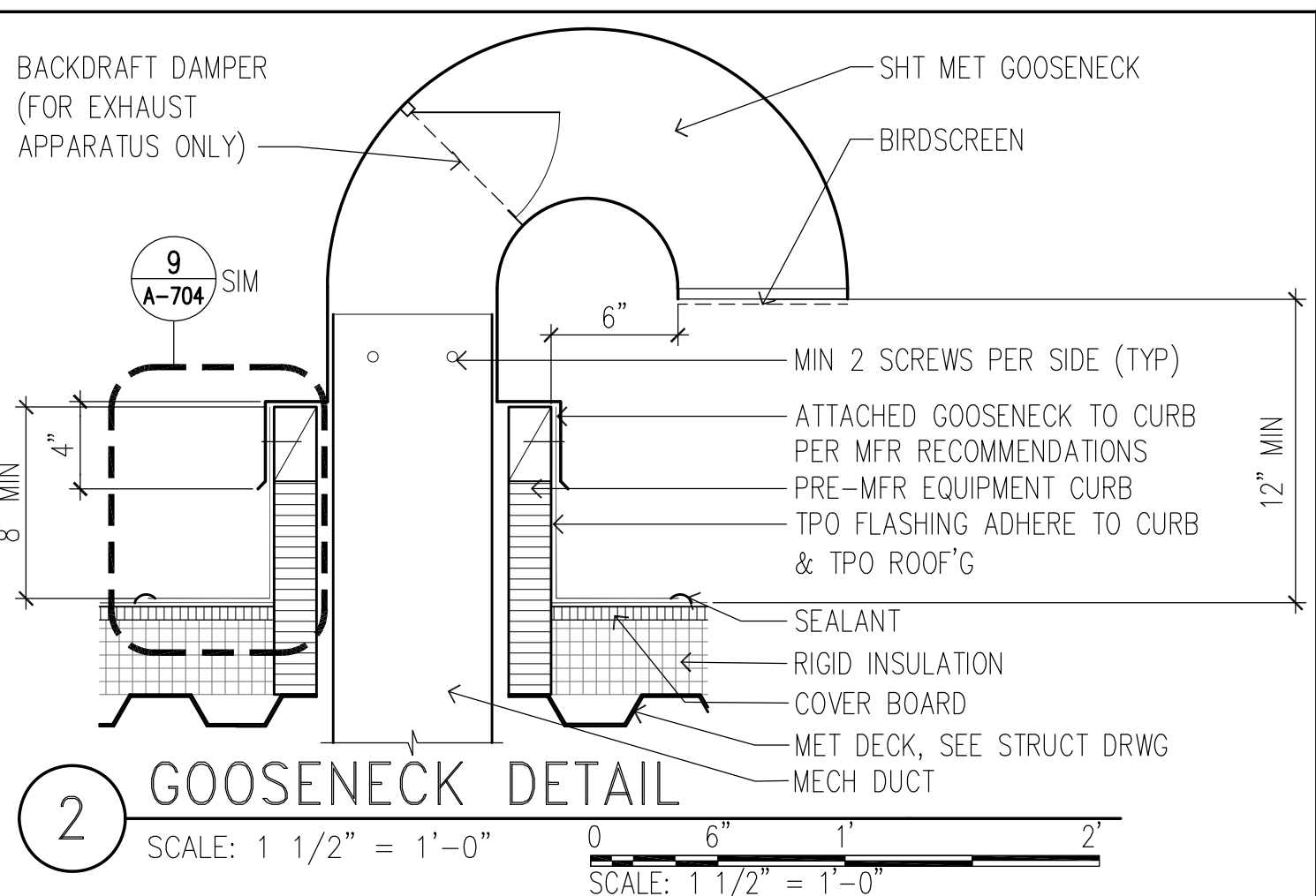
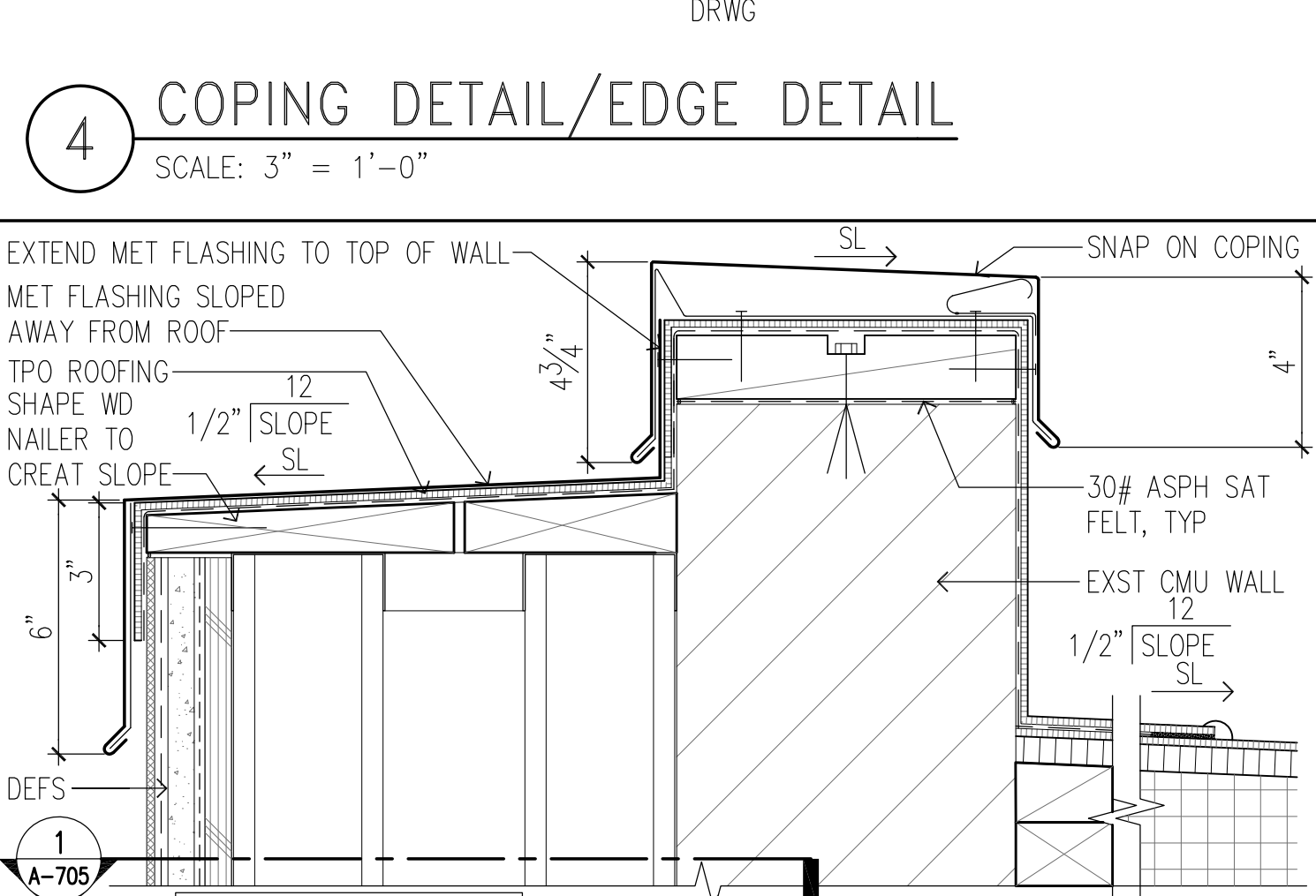
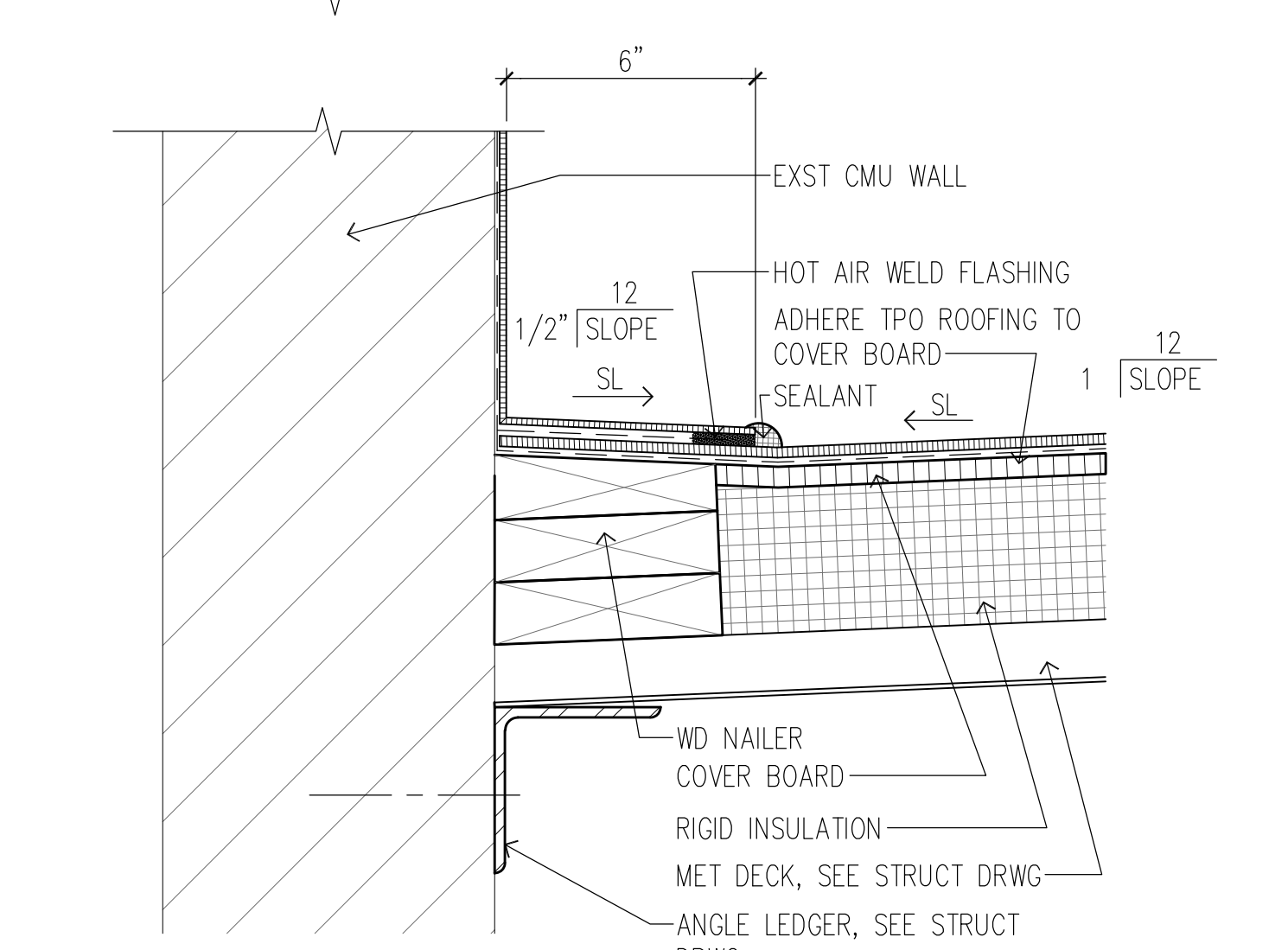
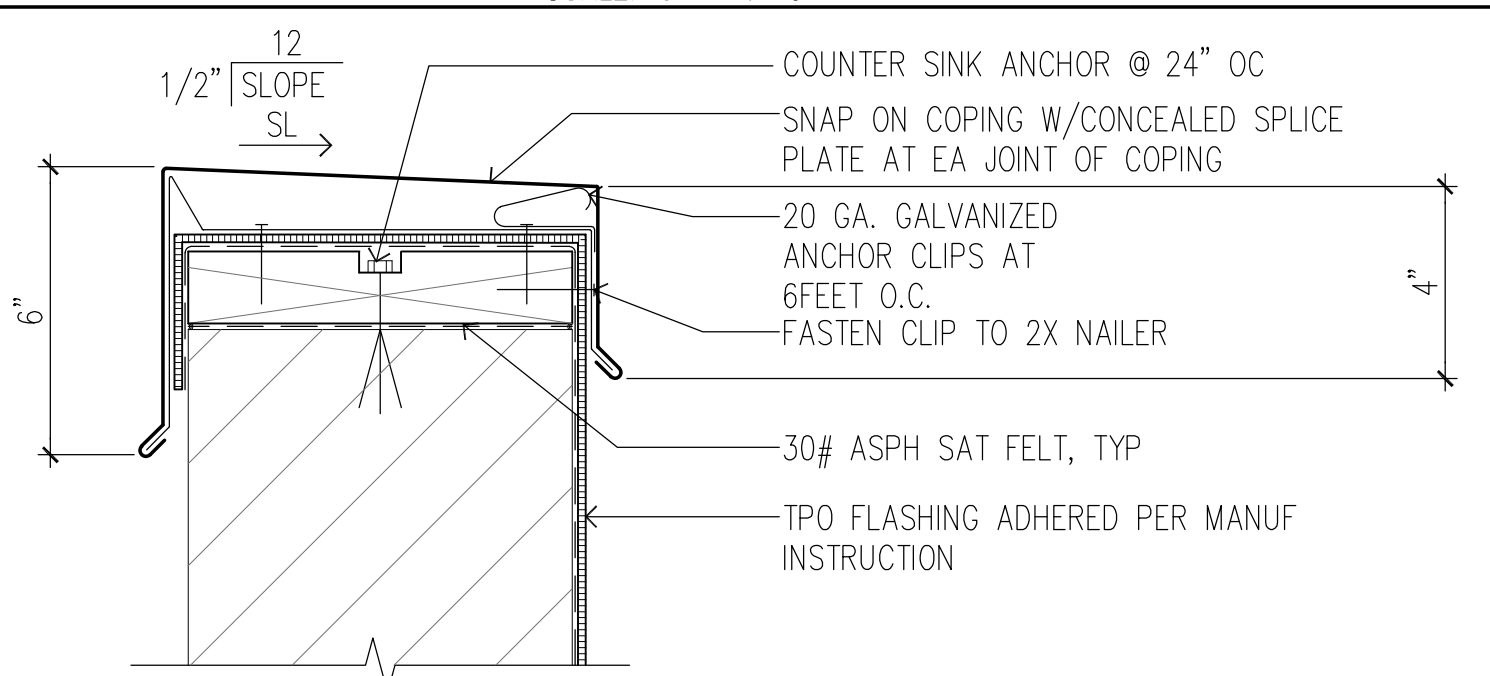
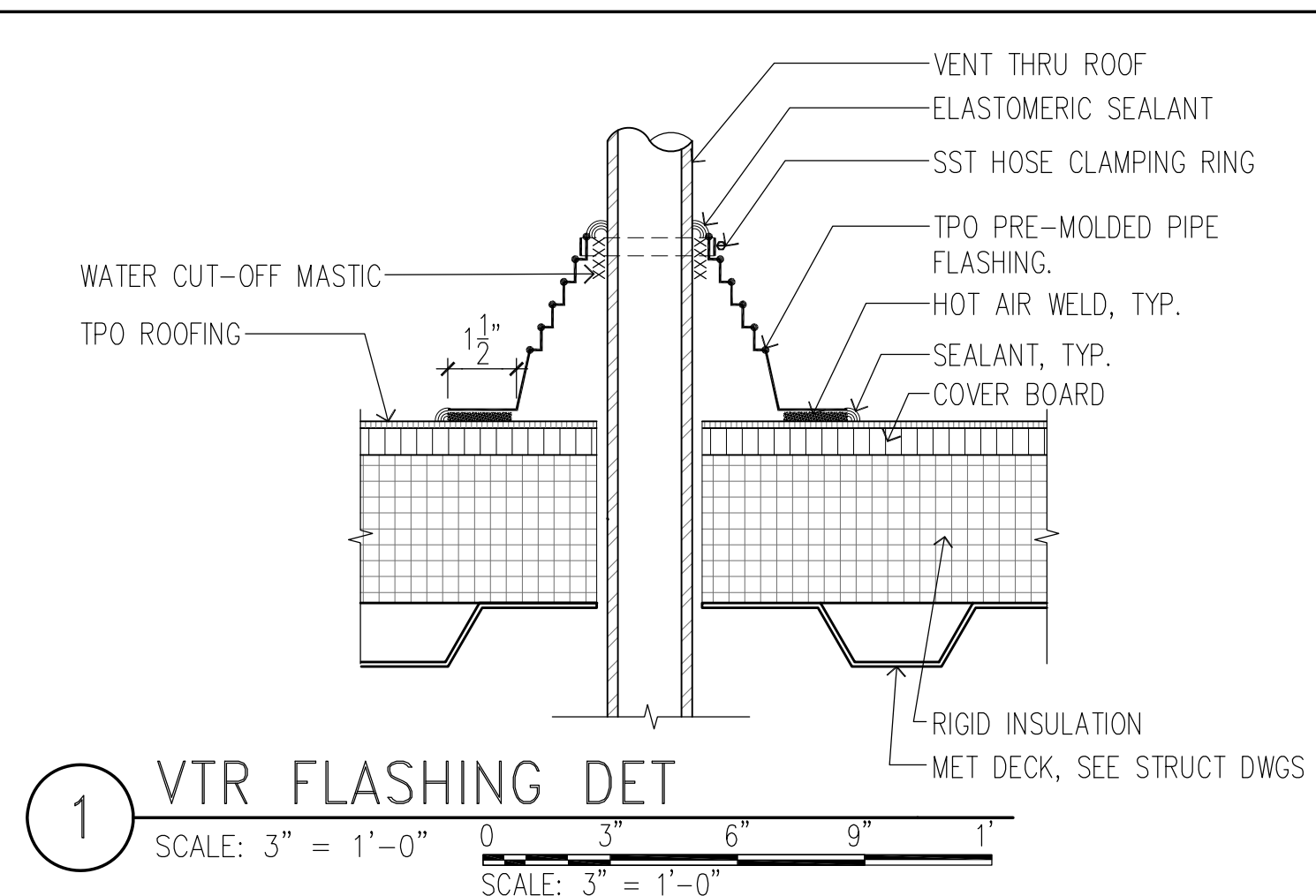


7 OPEN SHELVING EDGE DETAIL
SCALE: 6" = 1'-0"

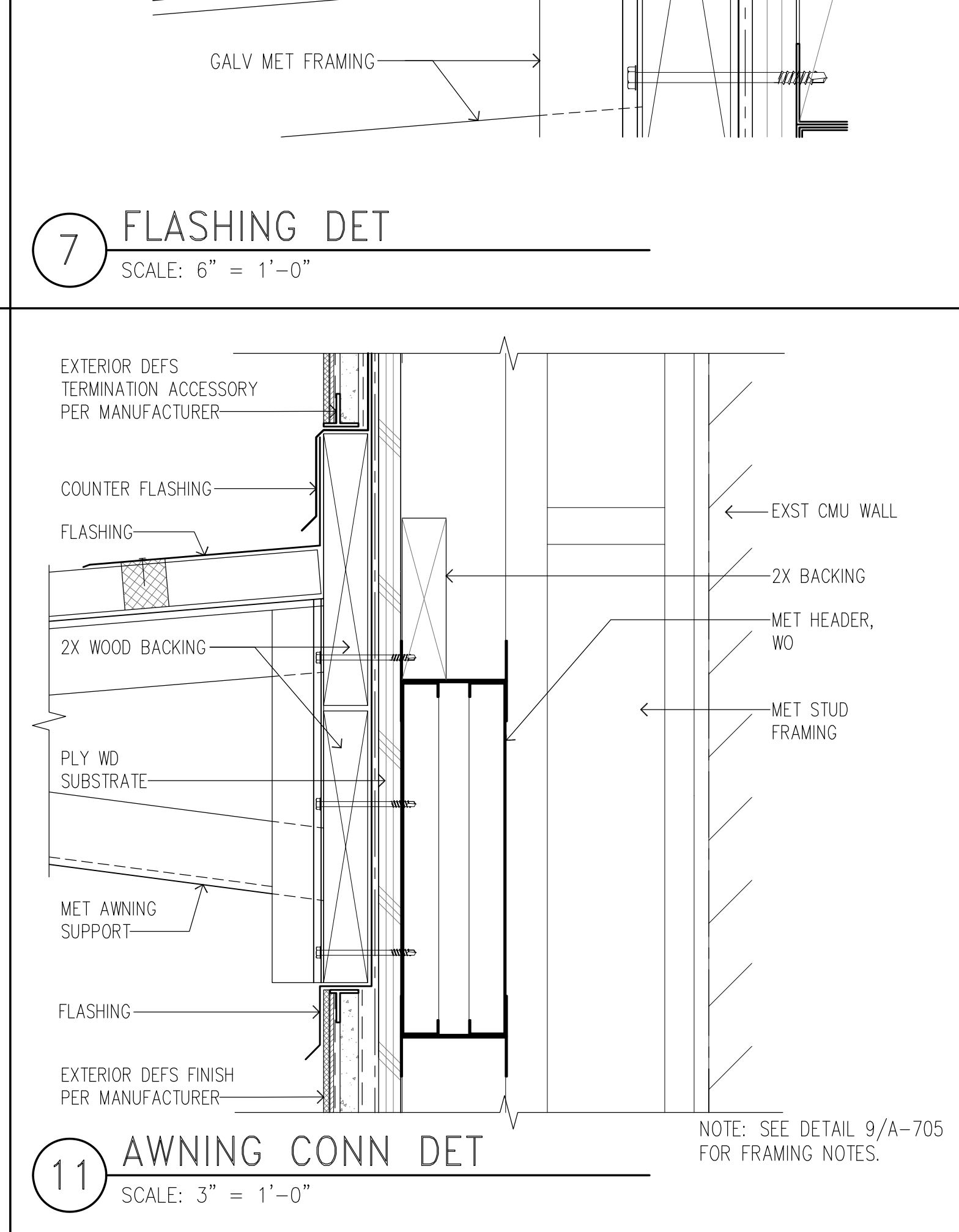
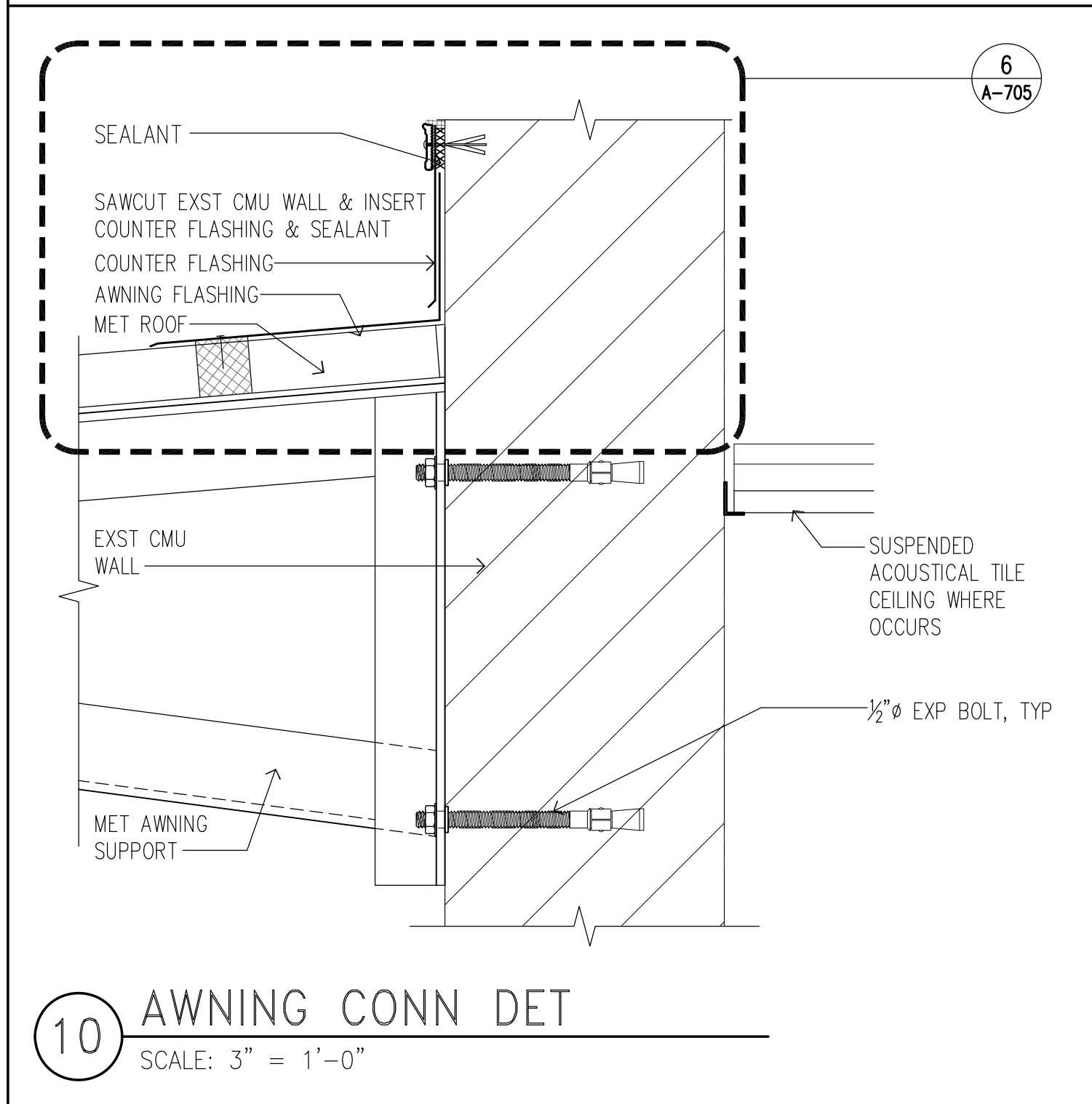
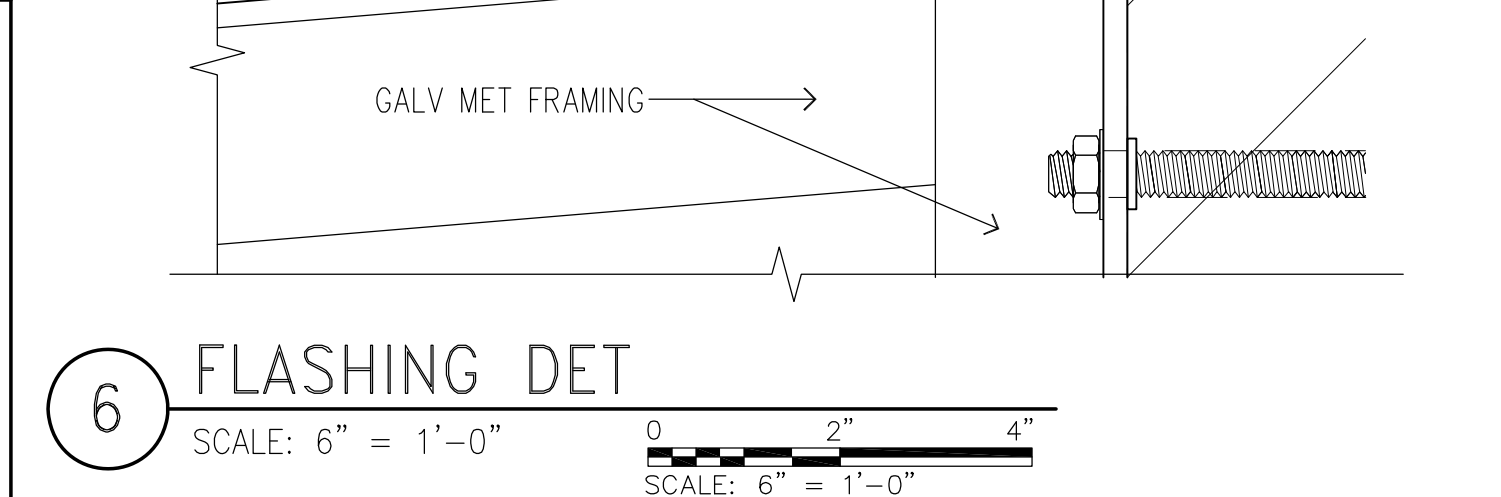
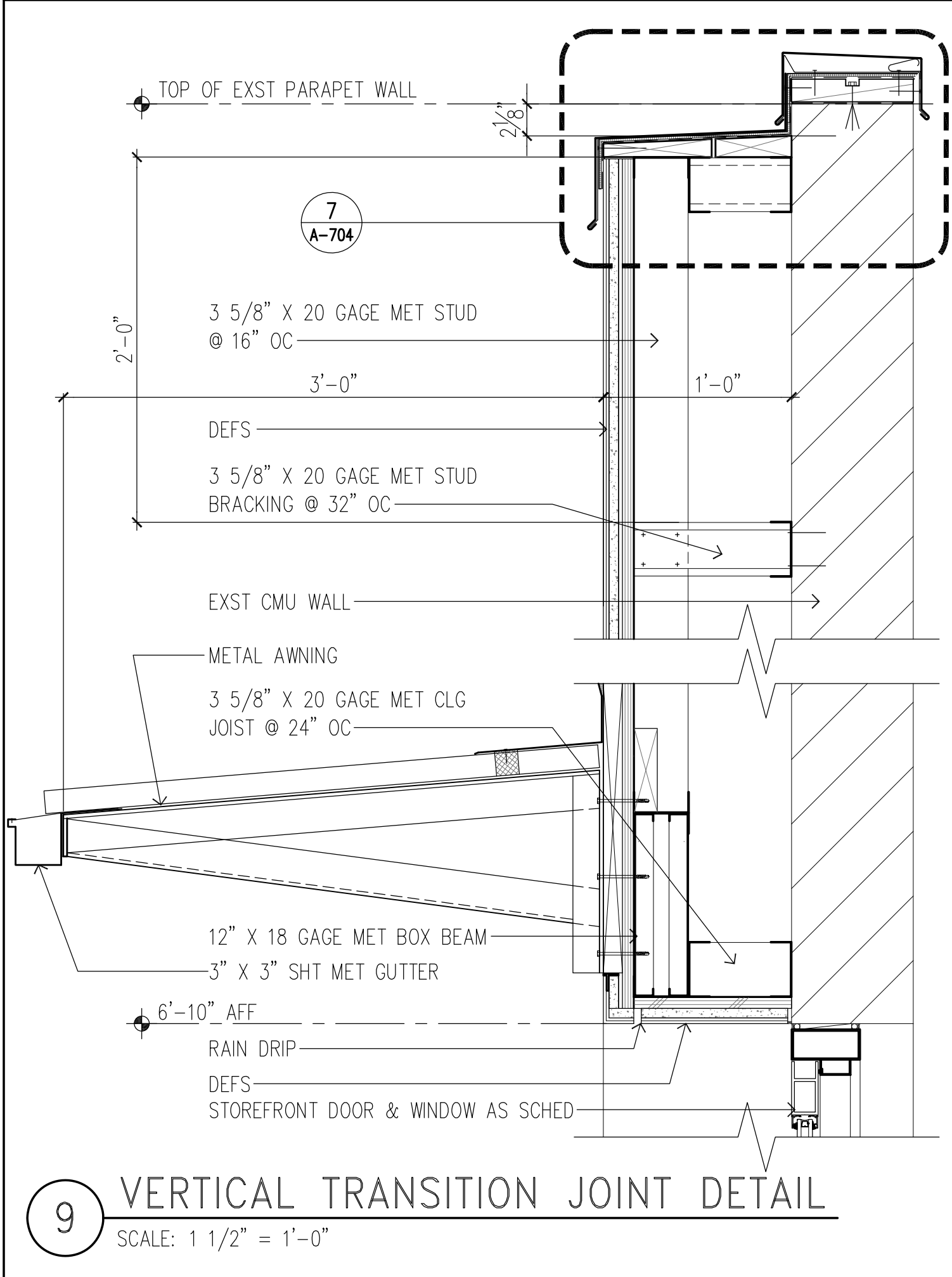
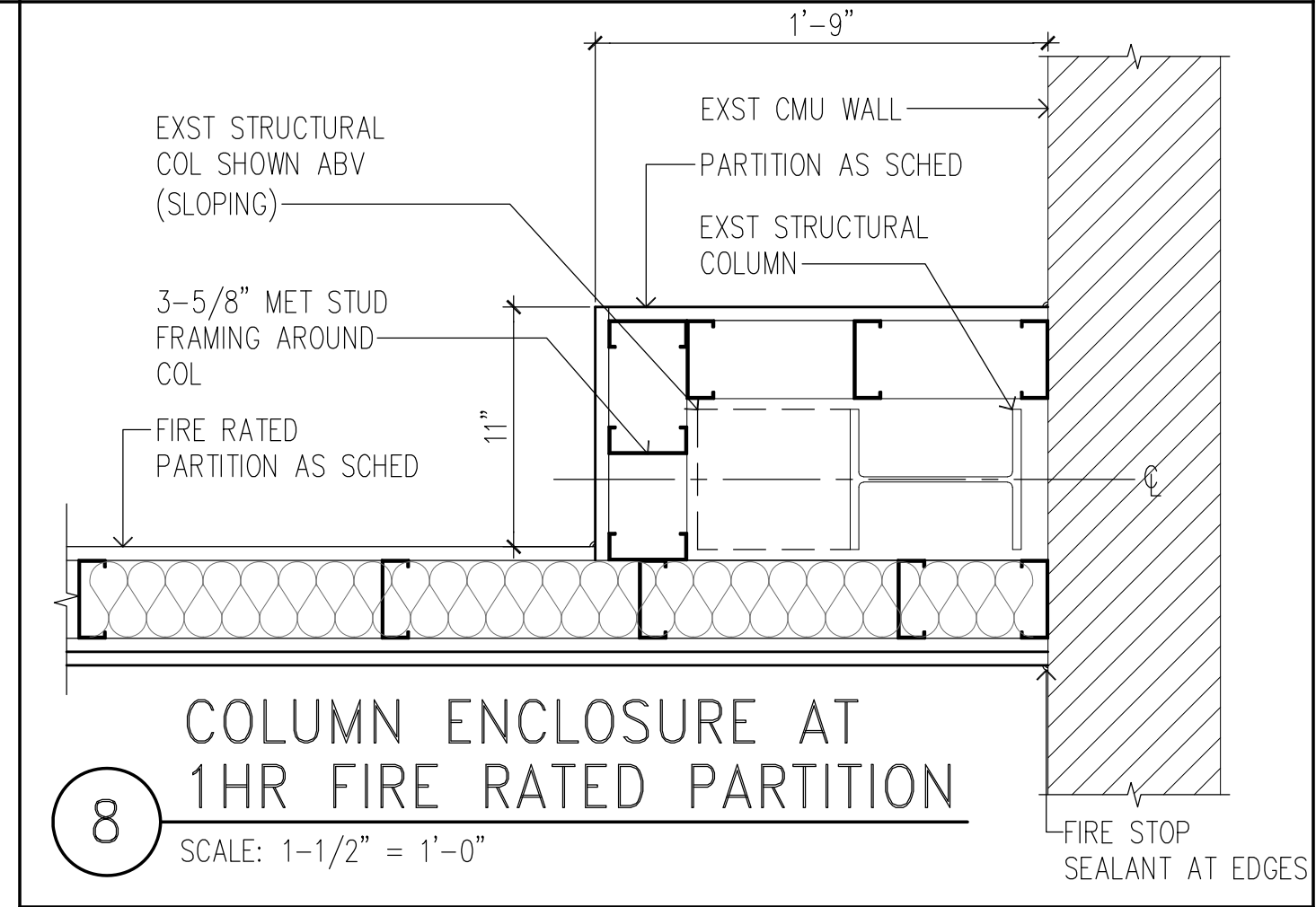
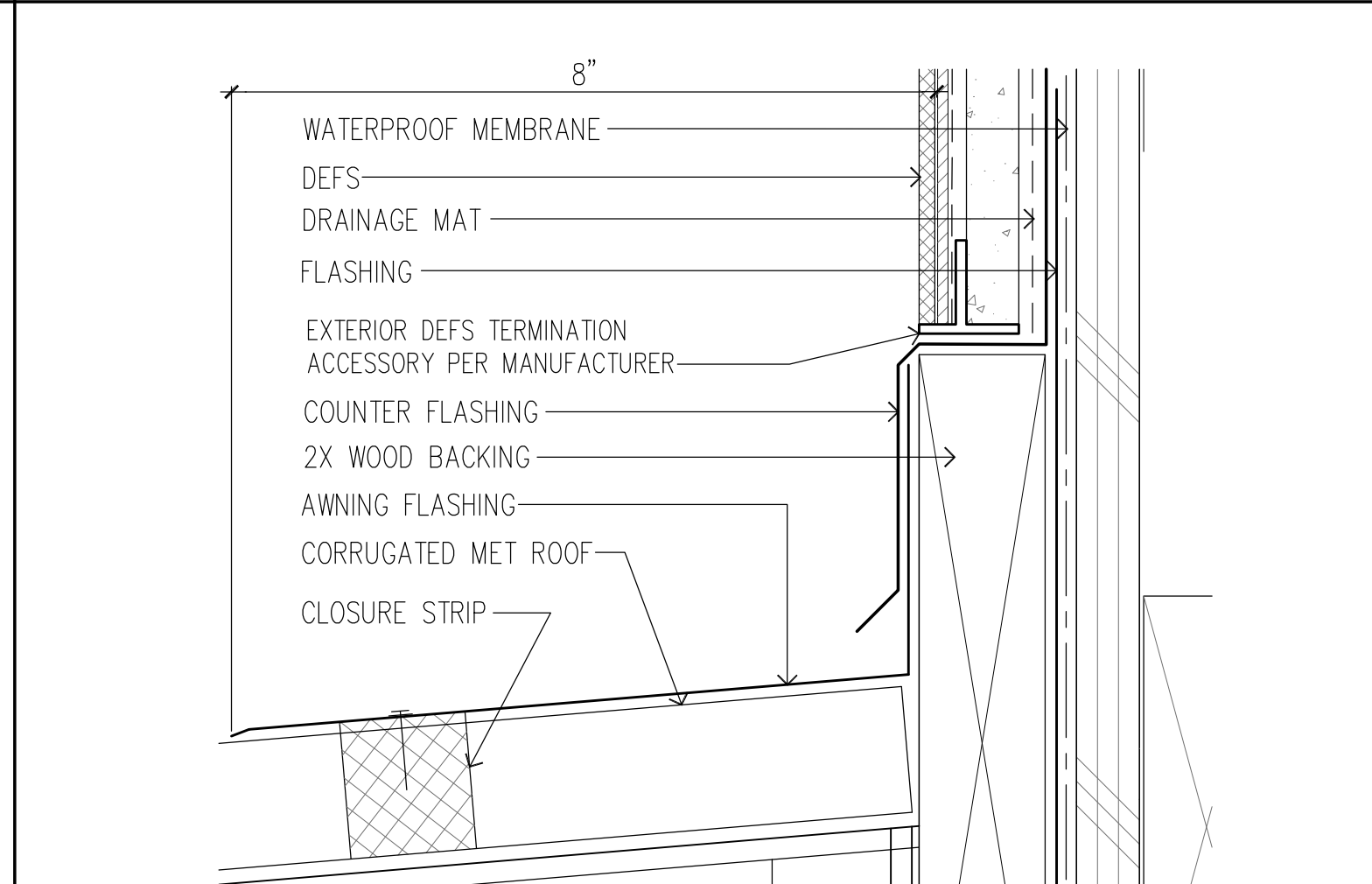
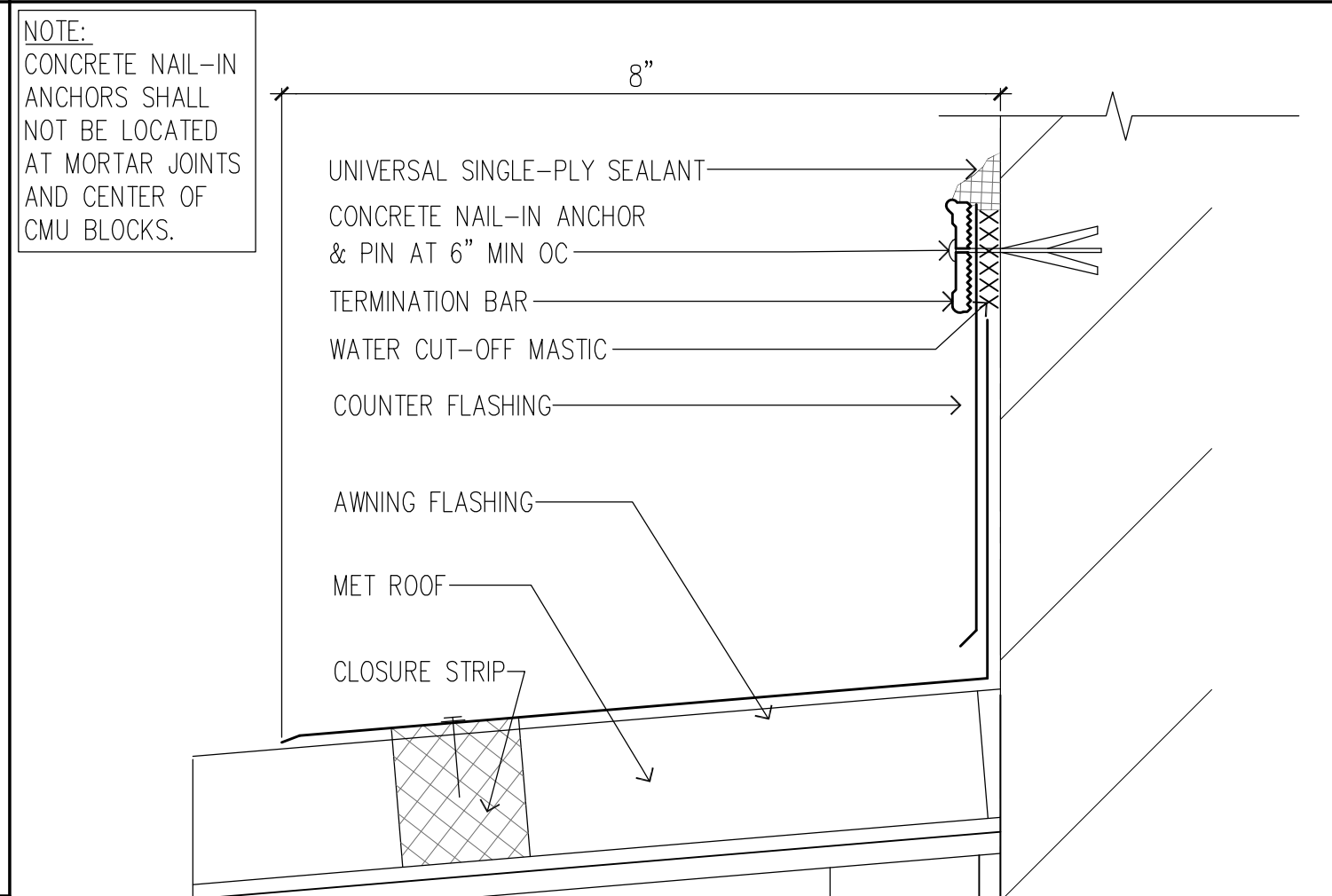
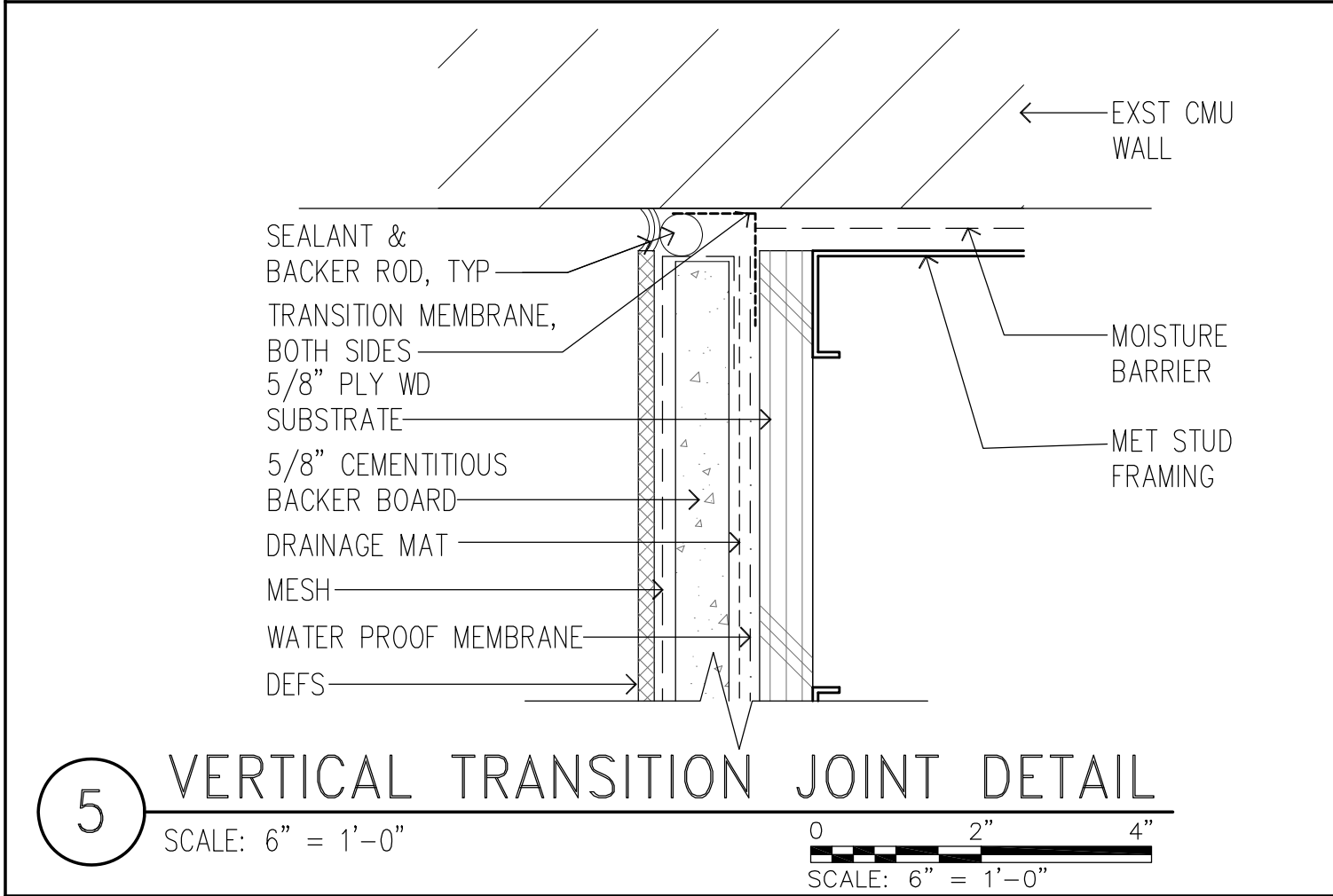
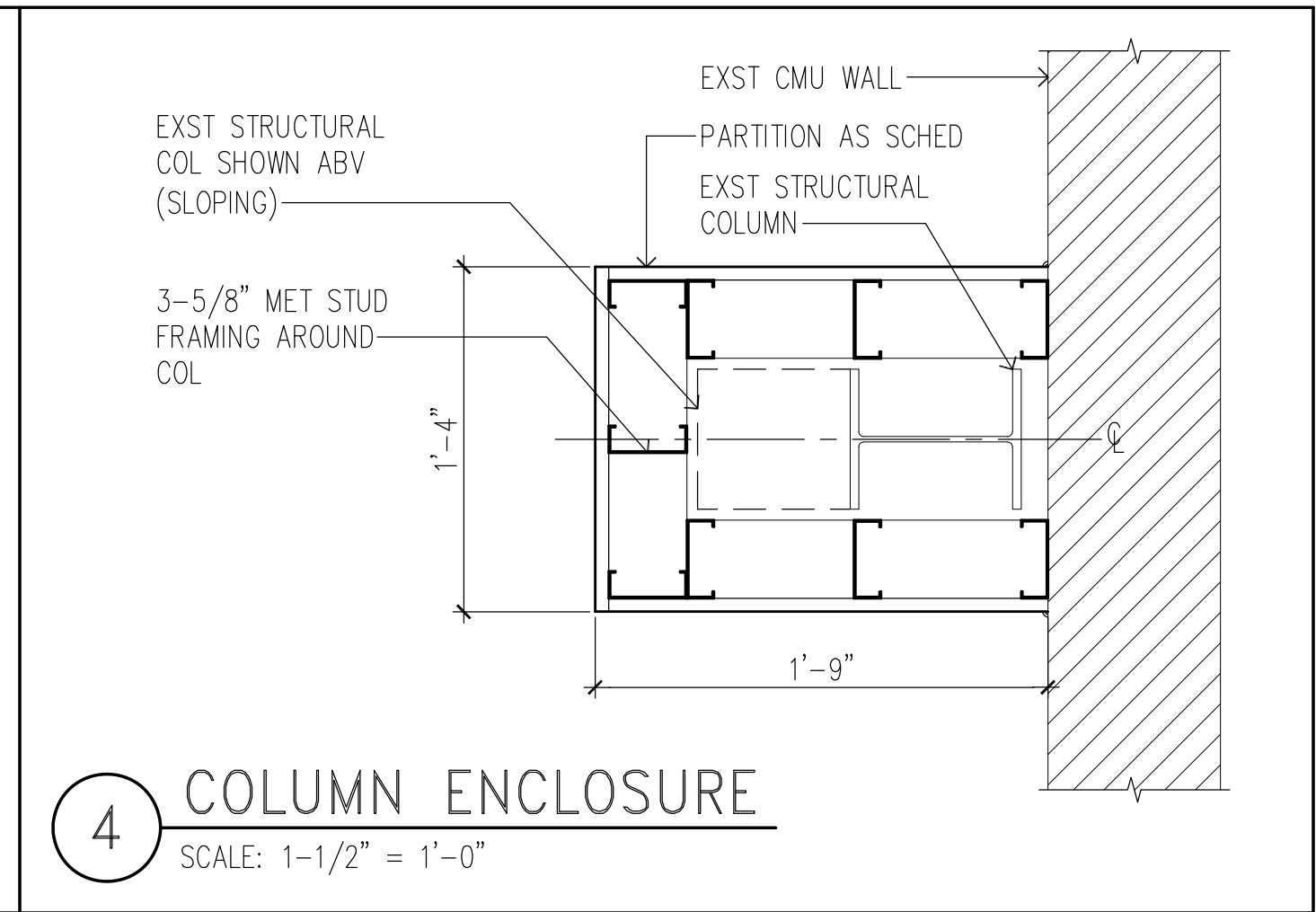
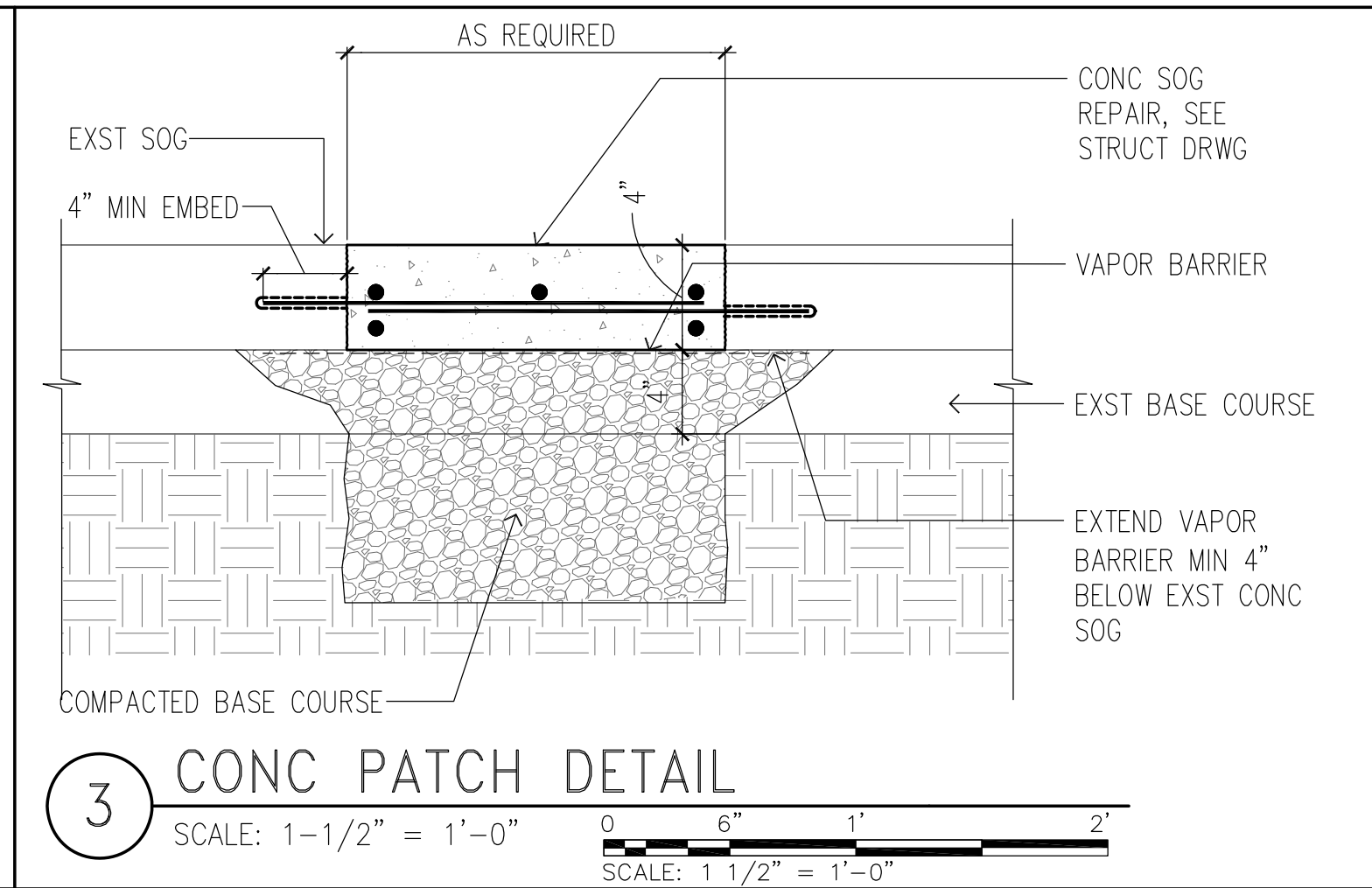
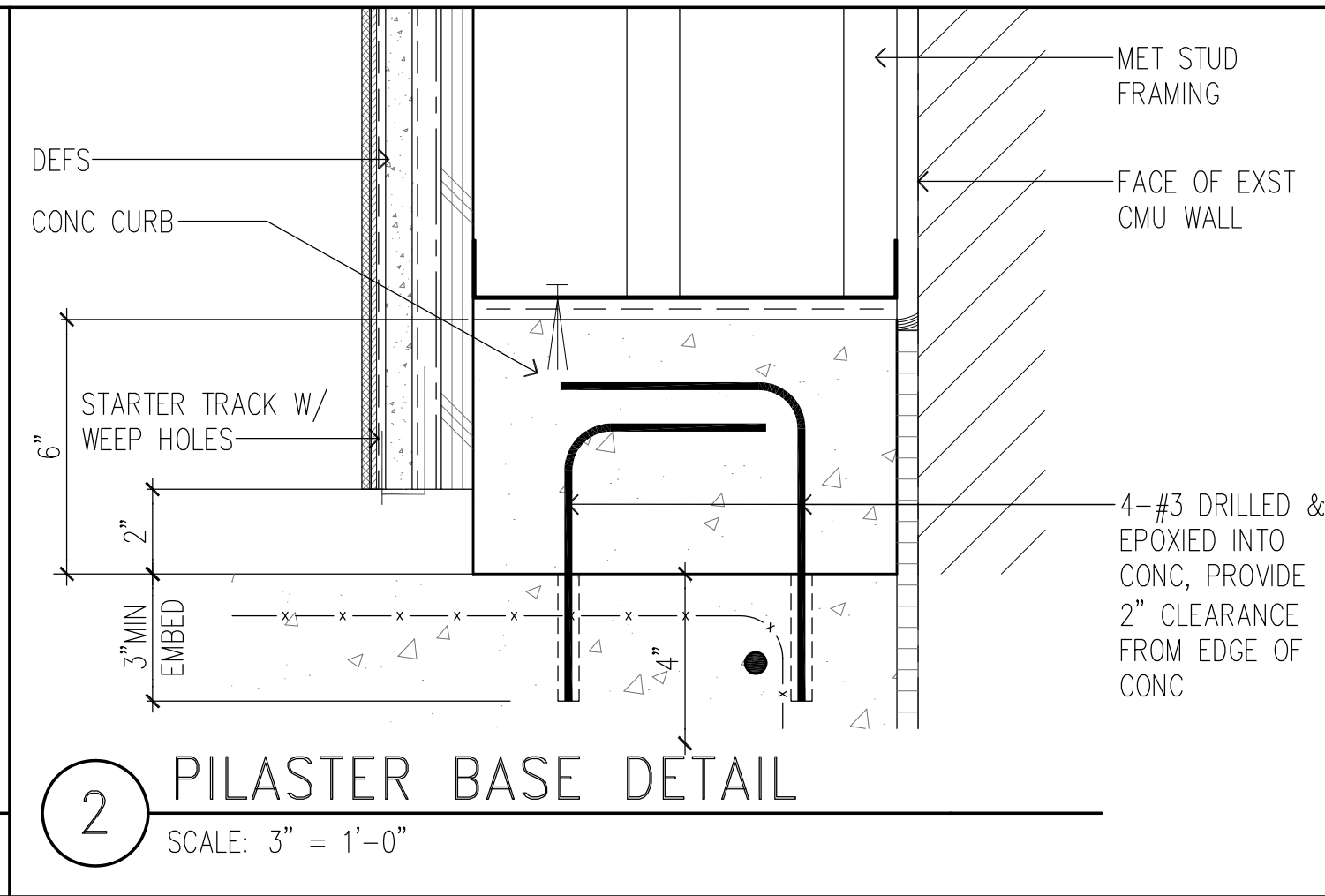
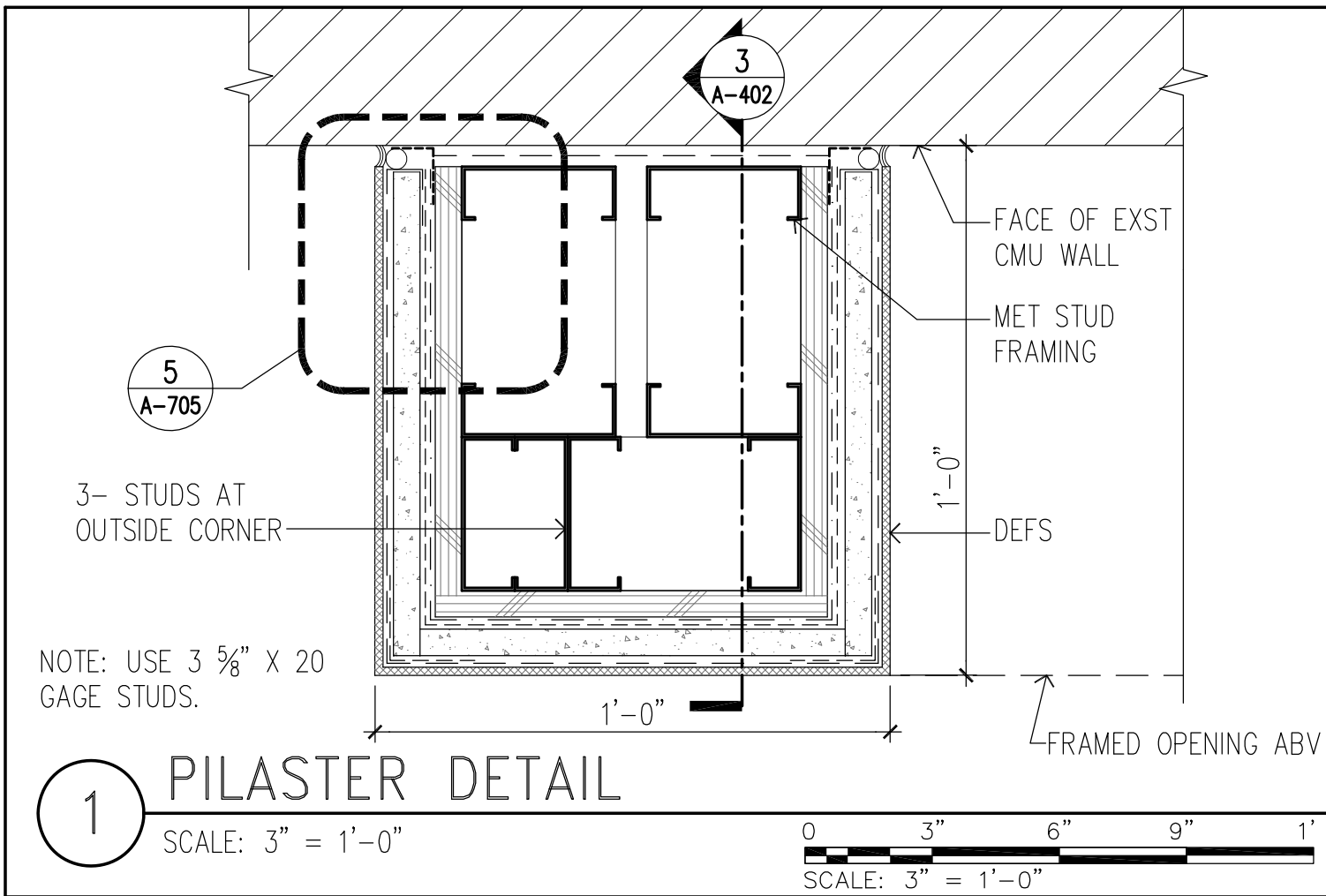


8 POST DETAIL AT PARTIAL WALL
SCALE: 3" = 1'-0"

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION					
HAWAII DISTRICT LAND OFFICE HILO, HAWAII					
CASEWORK DETAILS					
DESIGNED: KK		SUBMITTED: <i>[Signature]</i>		DATE: NOVEMBER 2022	
DRAWN: KA, TW, WL		CHECKED: FE		SCALE: AS NOTED	
APPROVED: <i>[Signature]</i>		Carty Chang E-signed 2022-11-28 04:17PM HST carty.s.chang@hawaii.gov		DRAWING NO. A-703	
CHIEF ENGINEER		Chief Engineer		SHEETS	



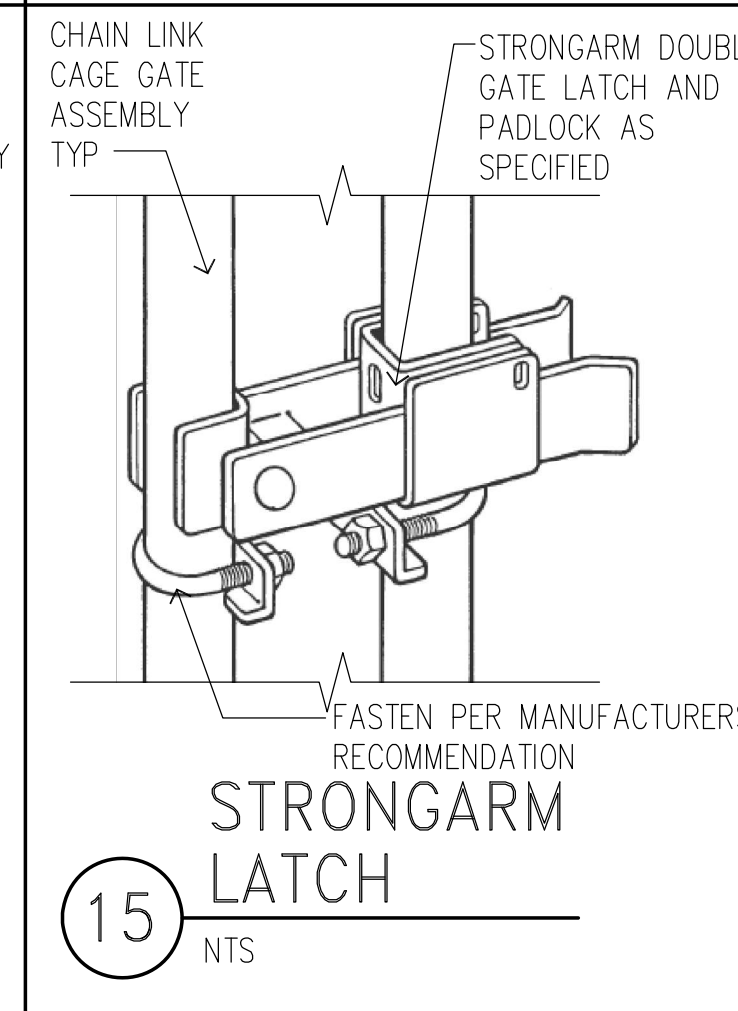
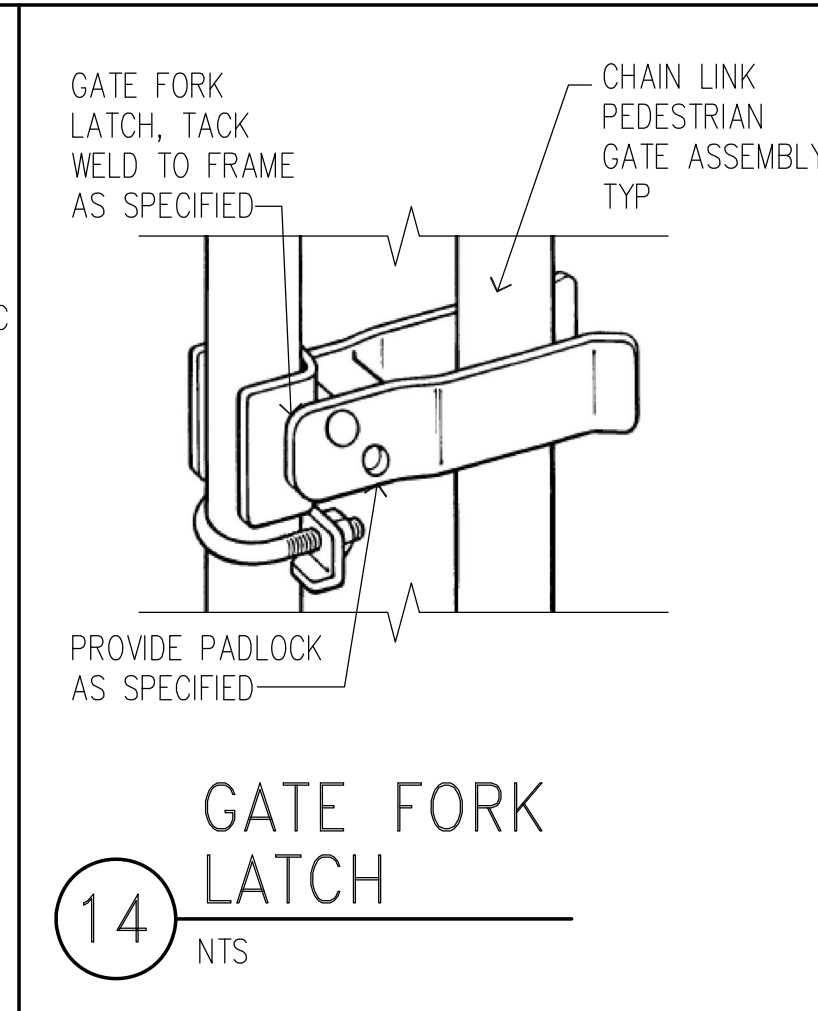
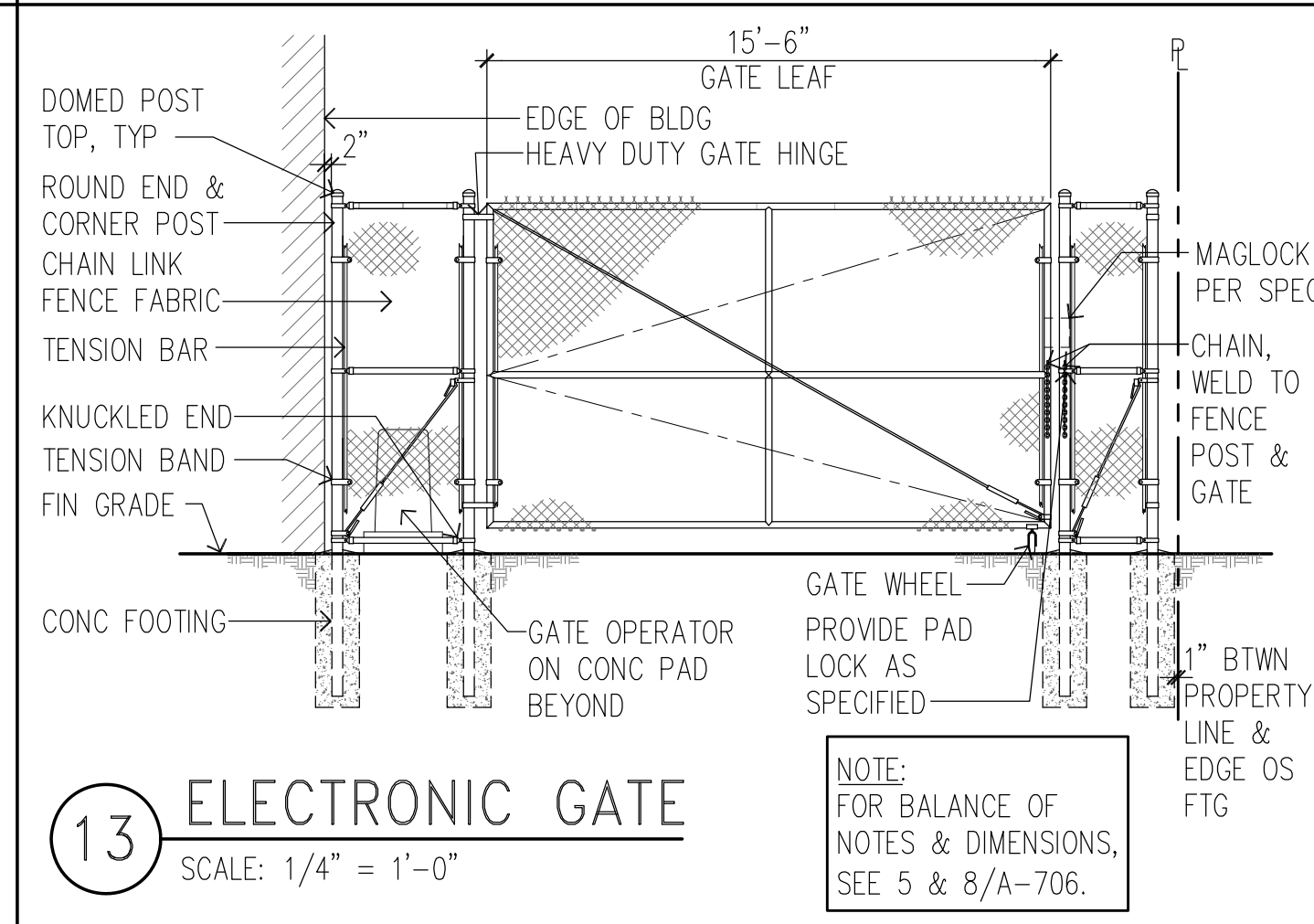
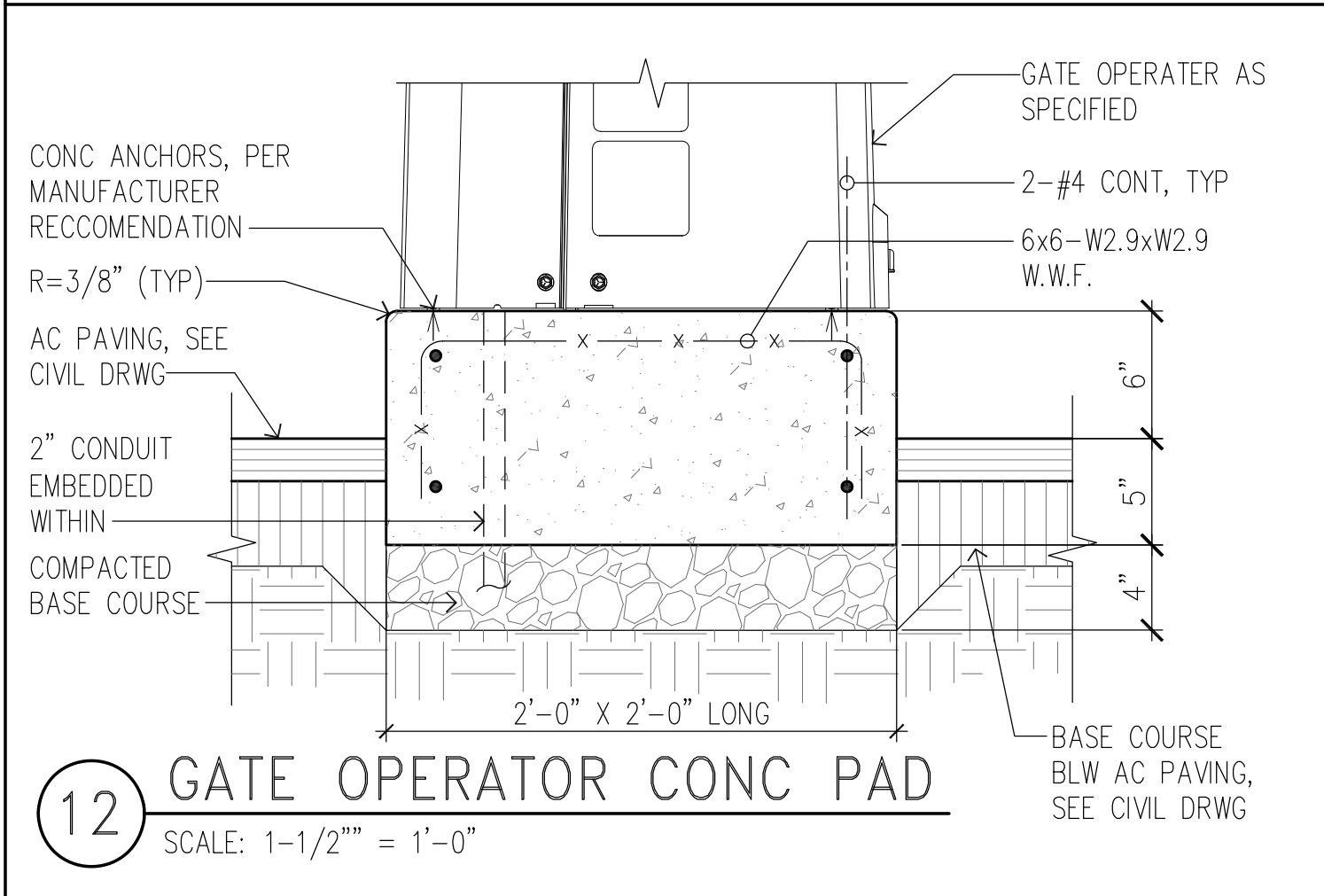
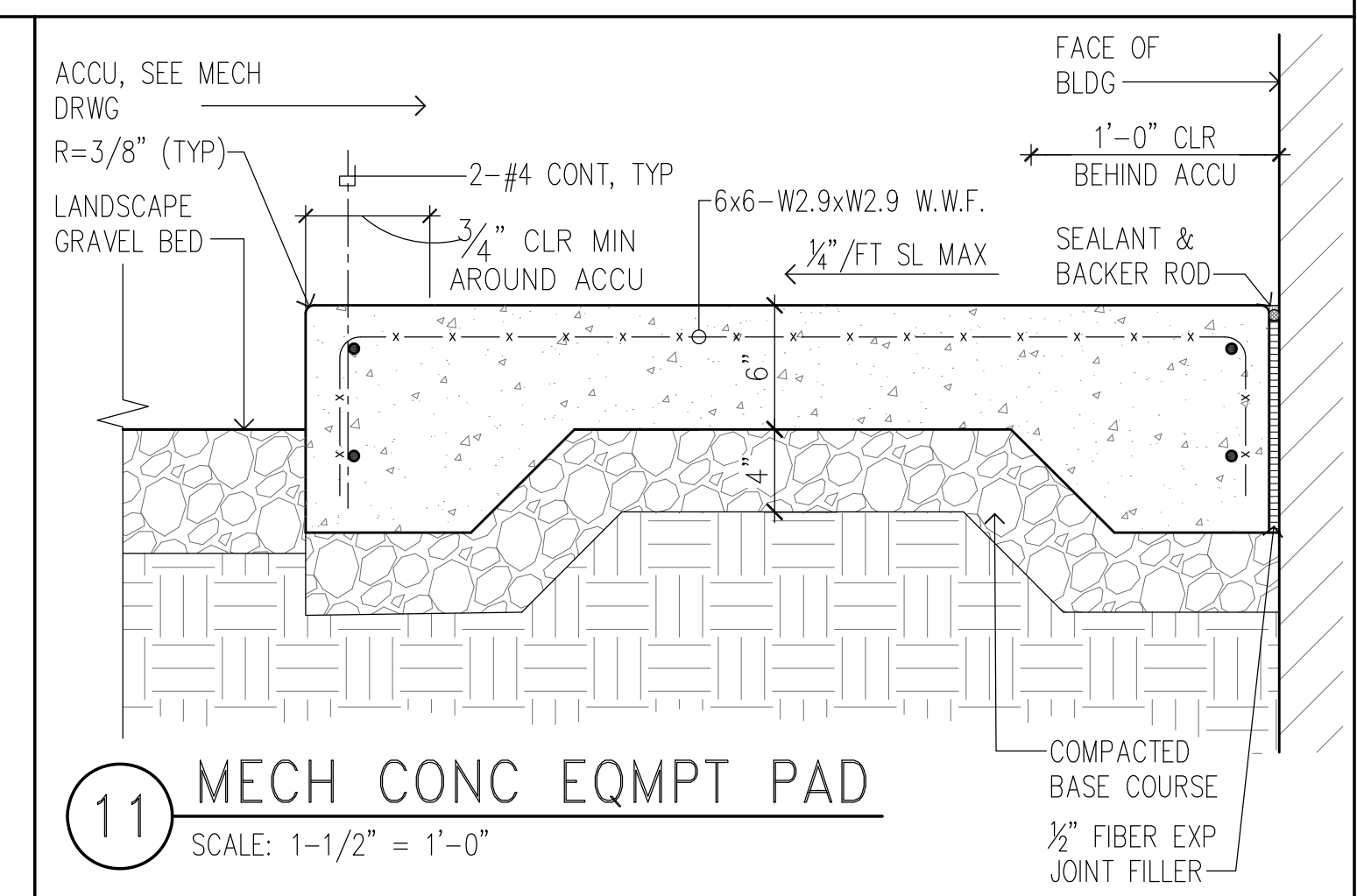
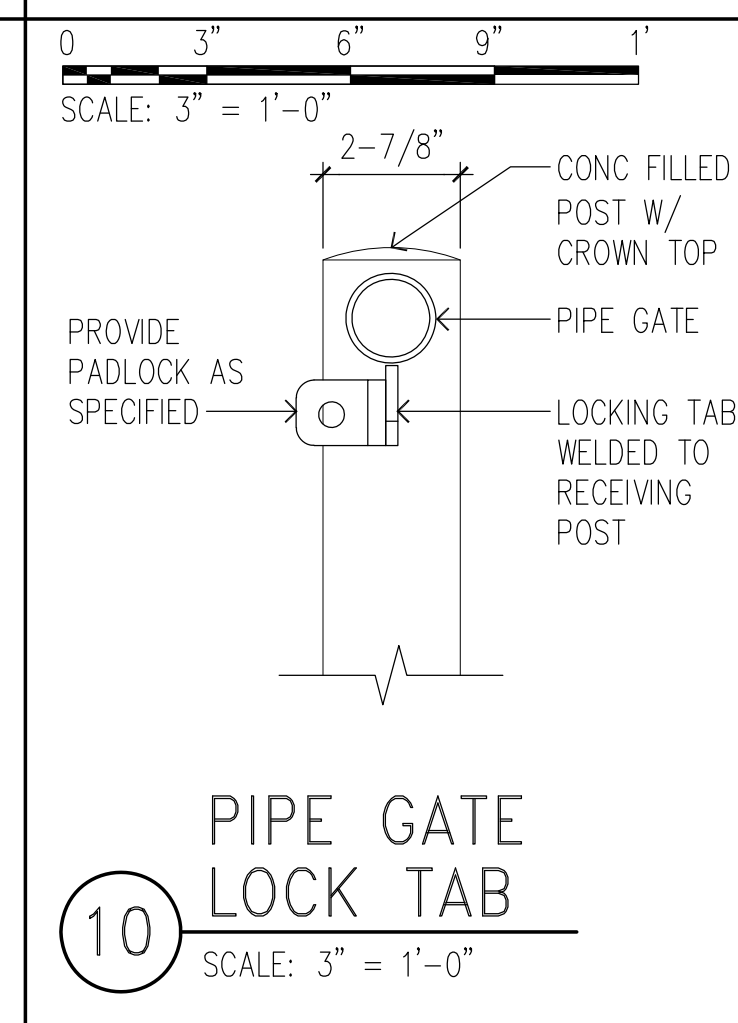
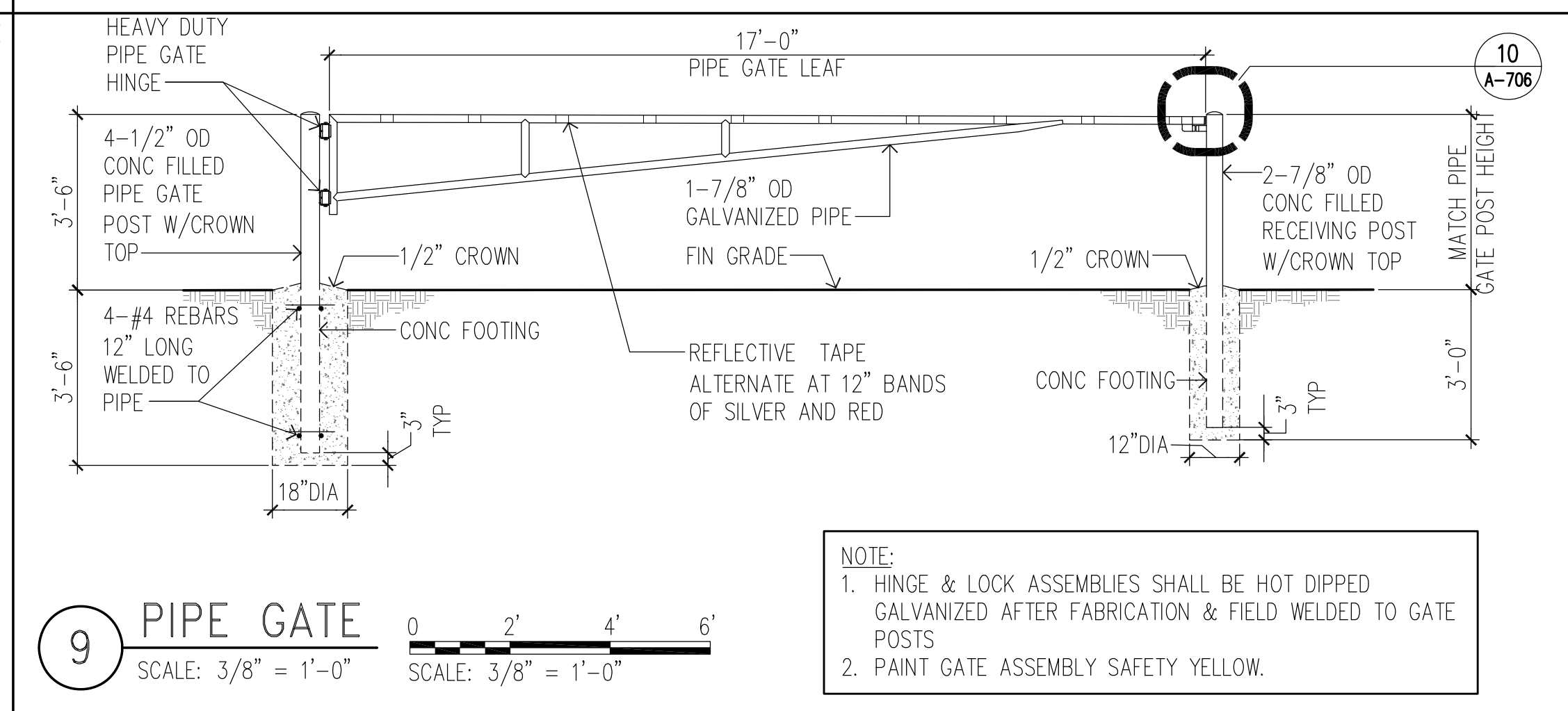
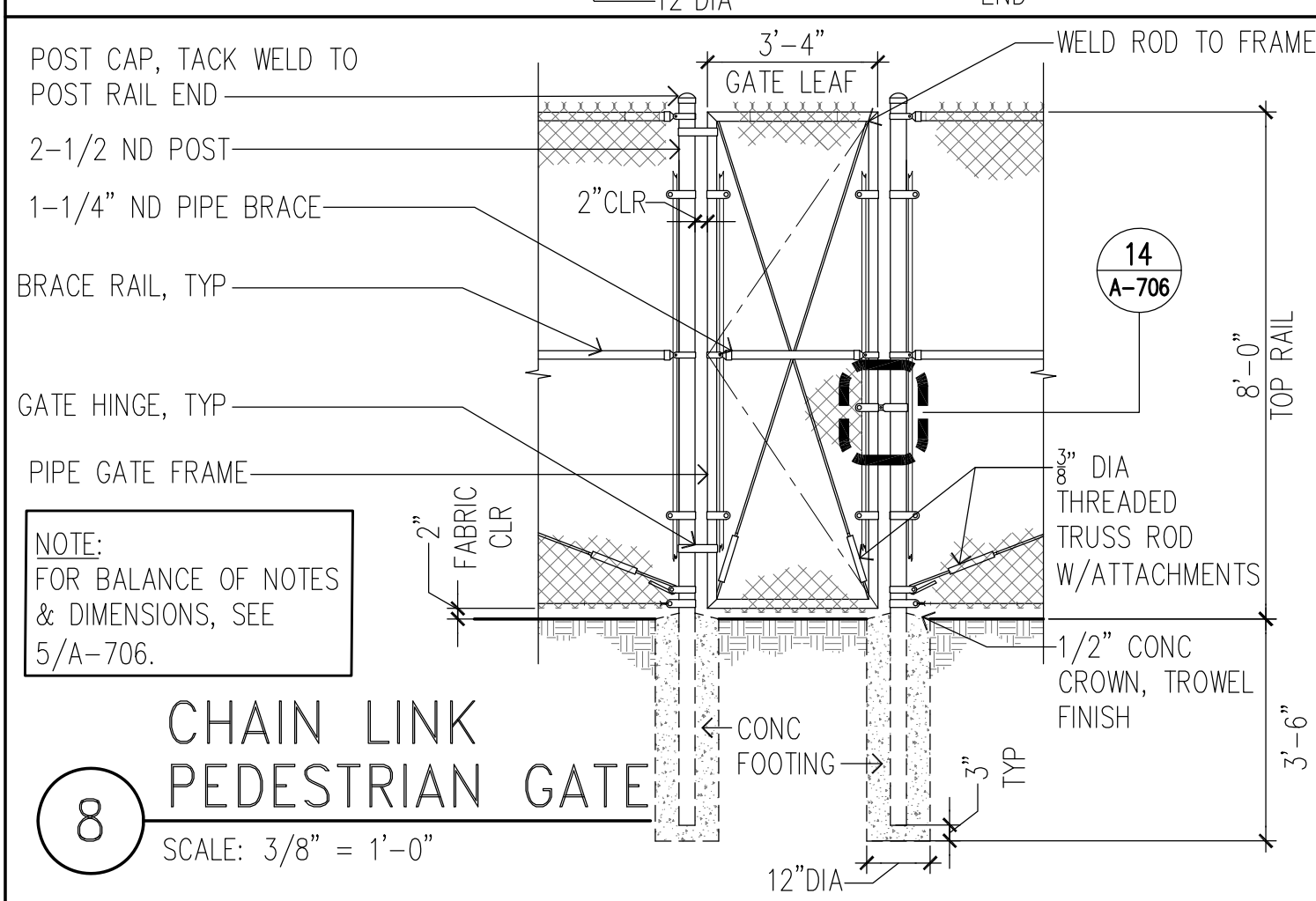
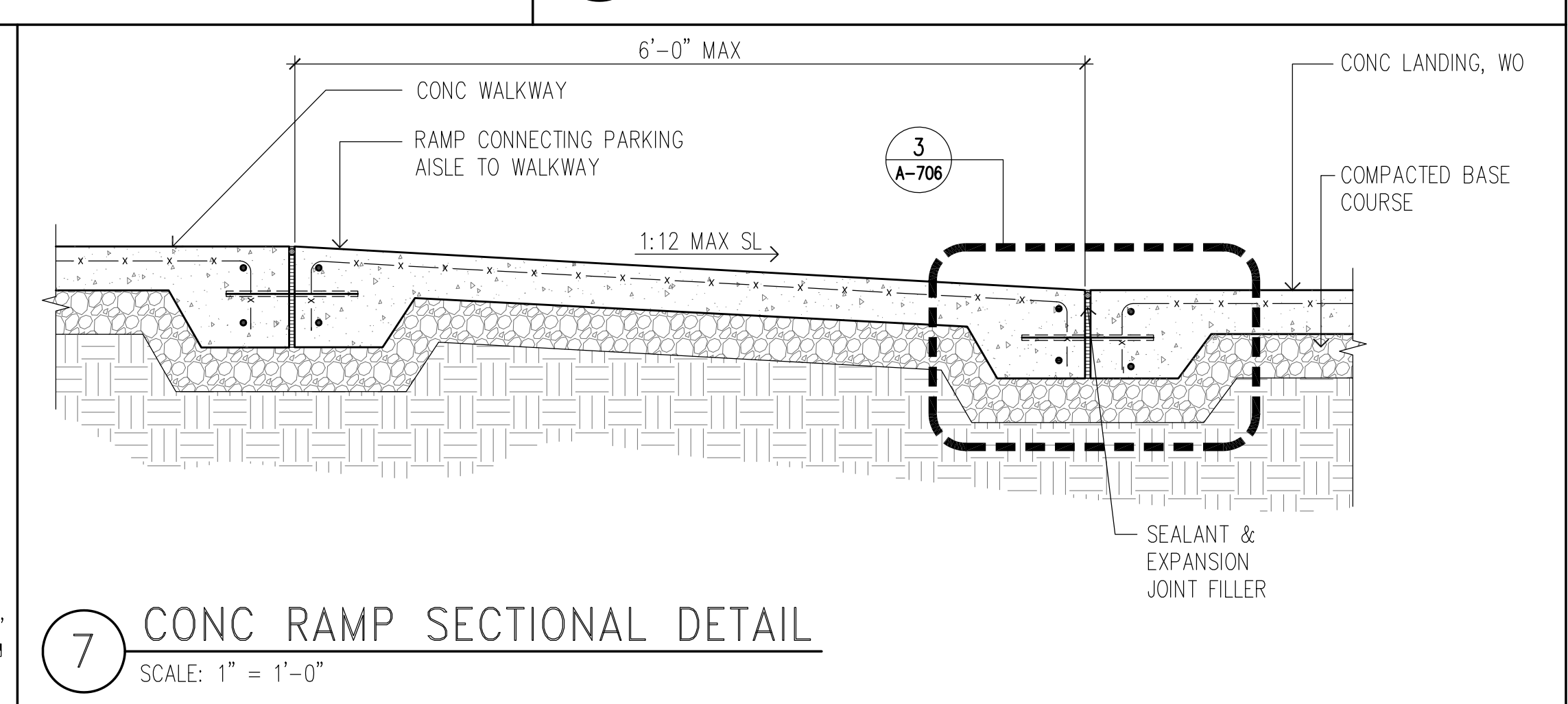
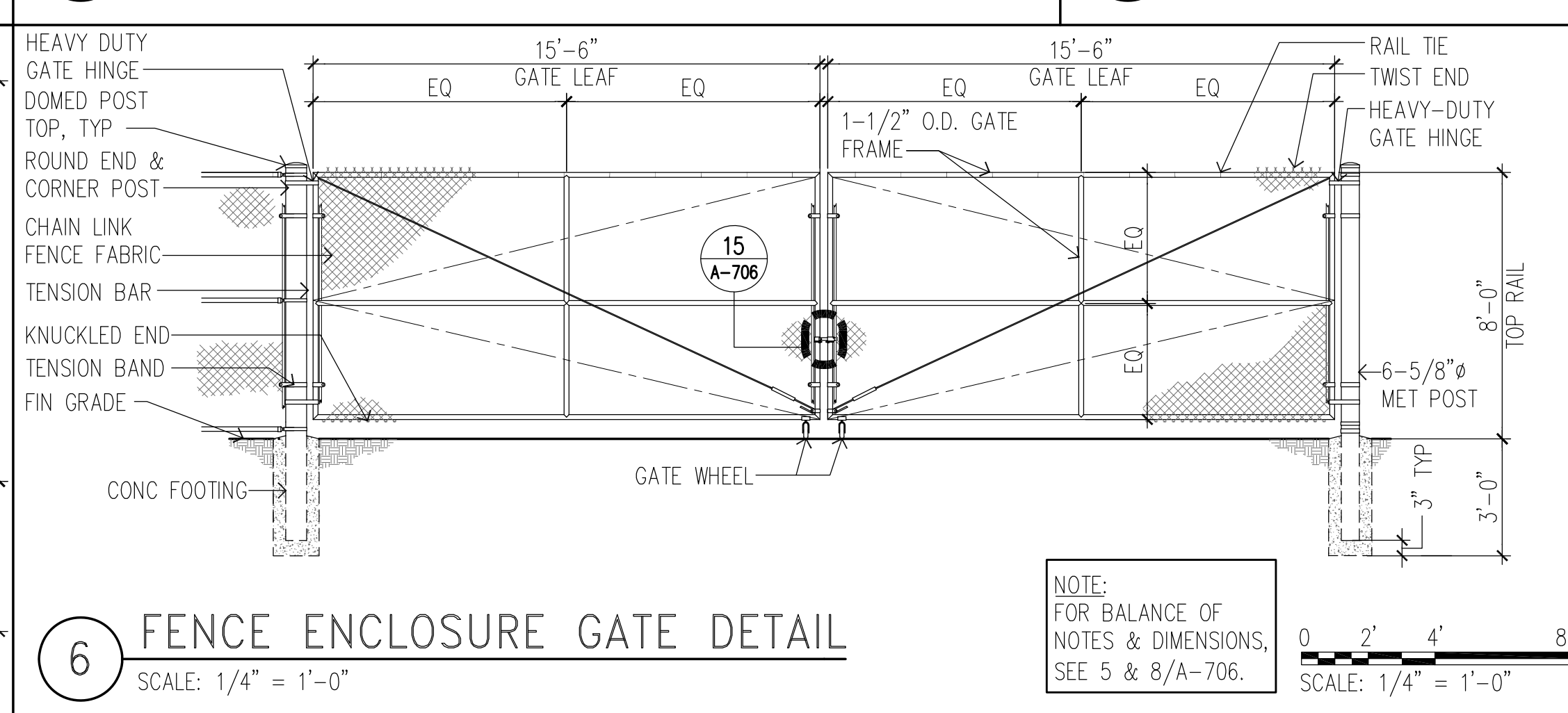
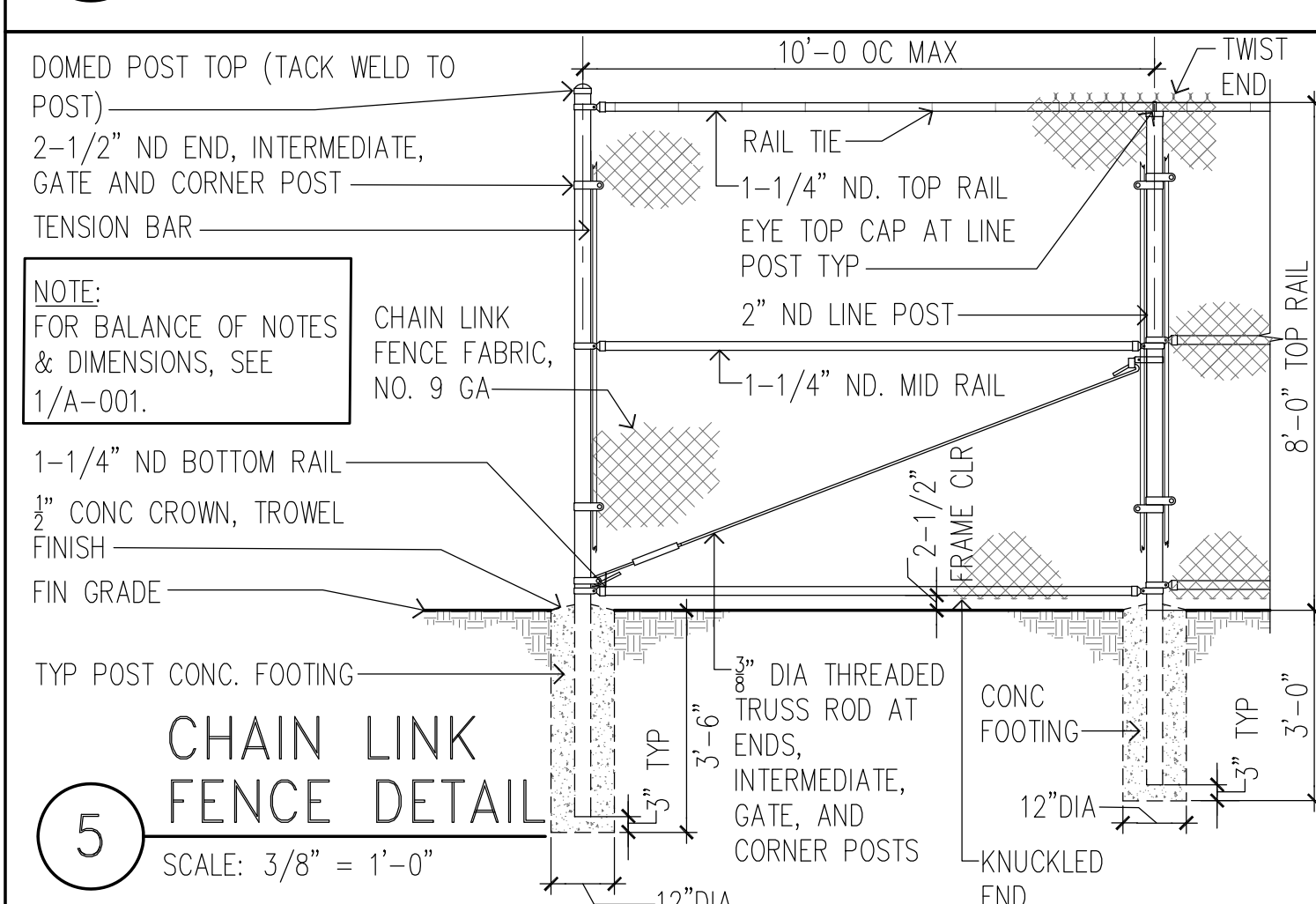
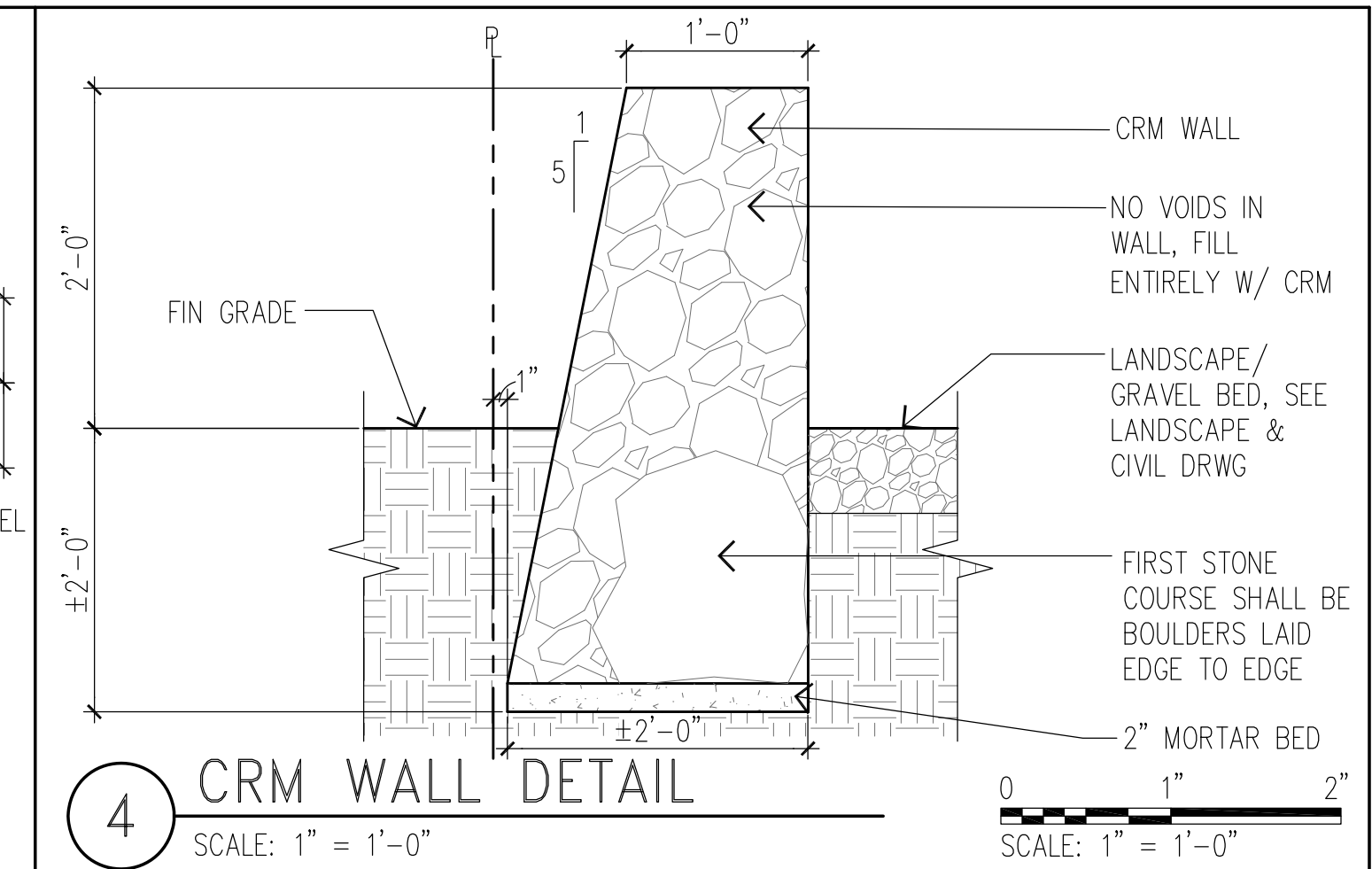
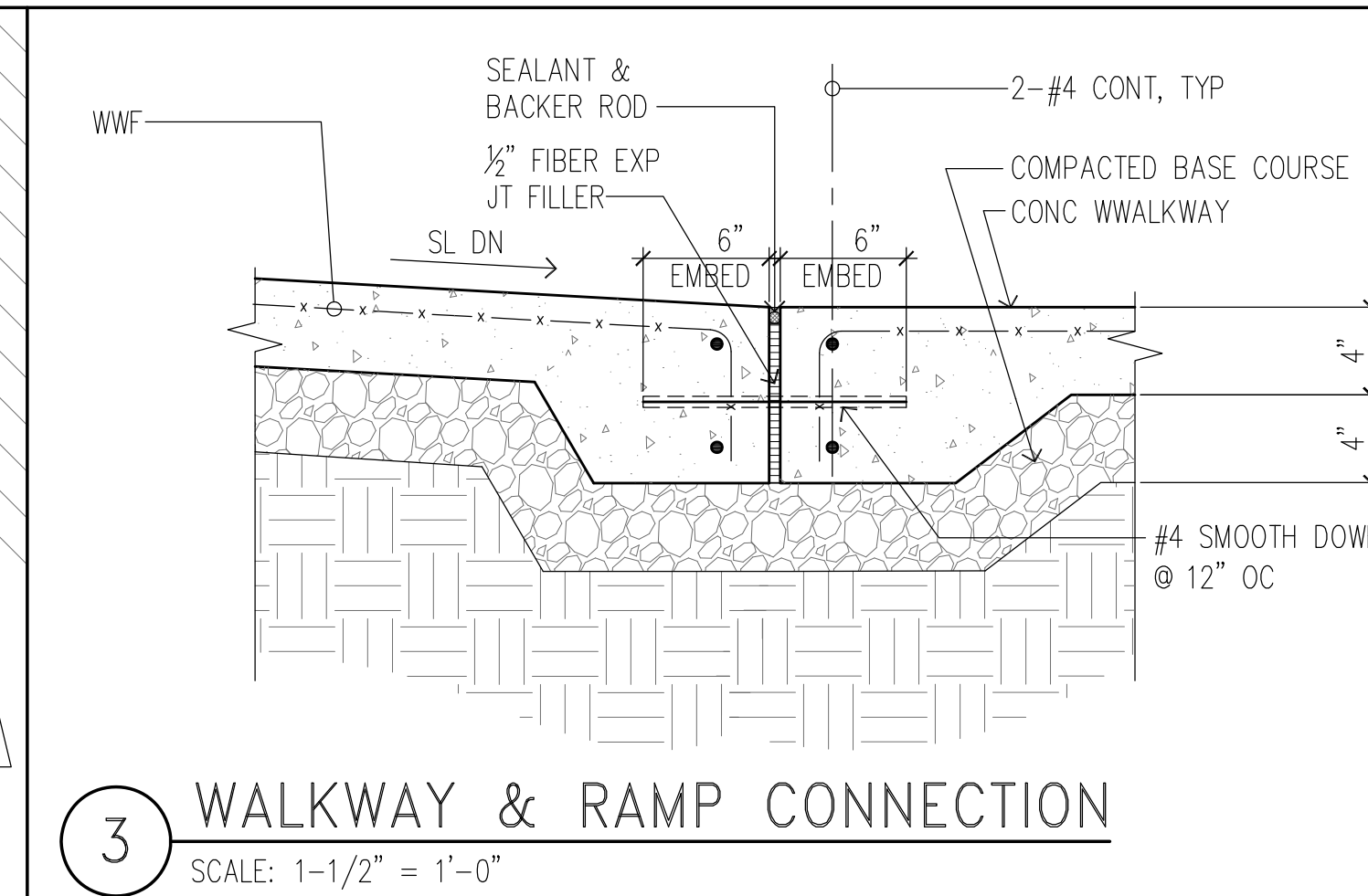
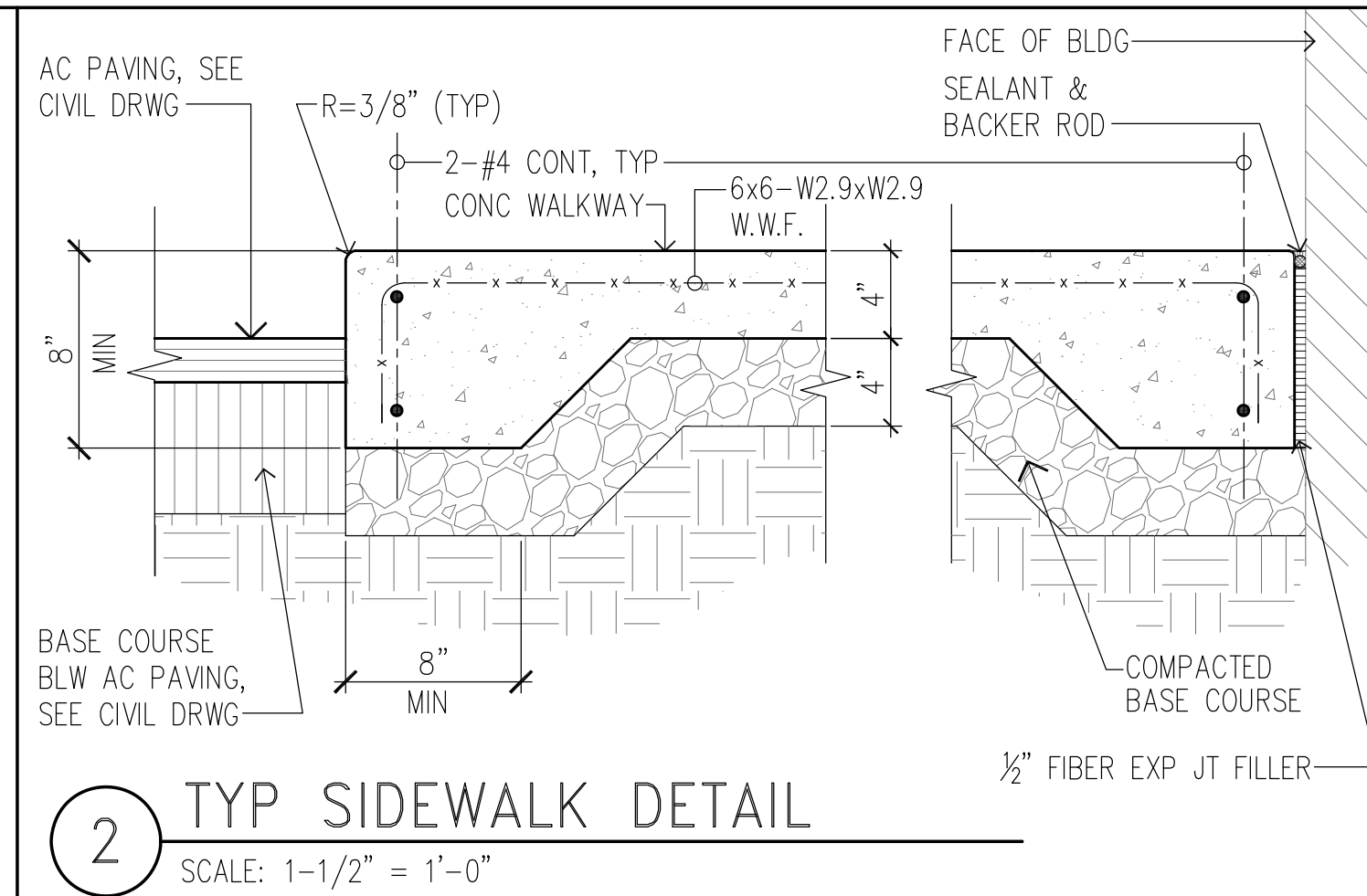
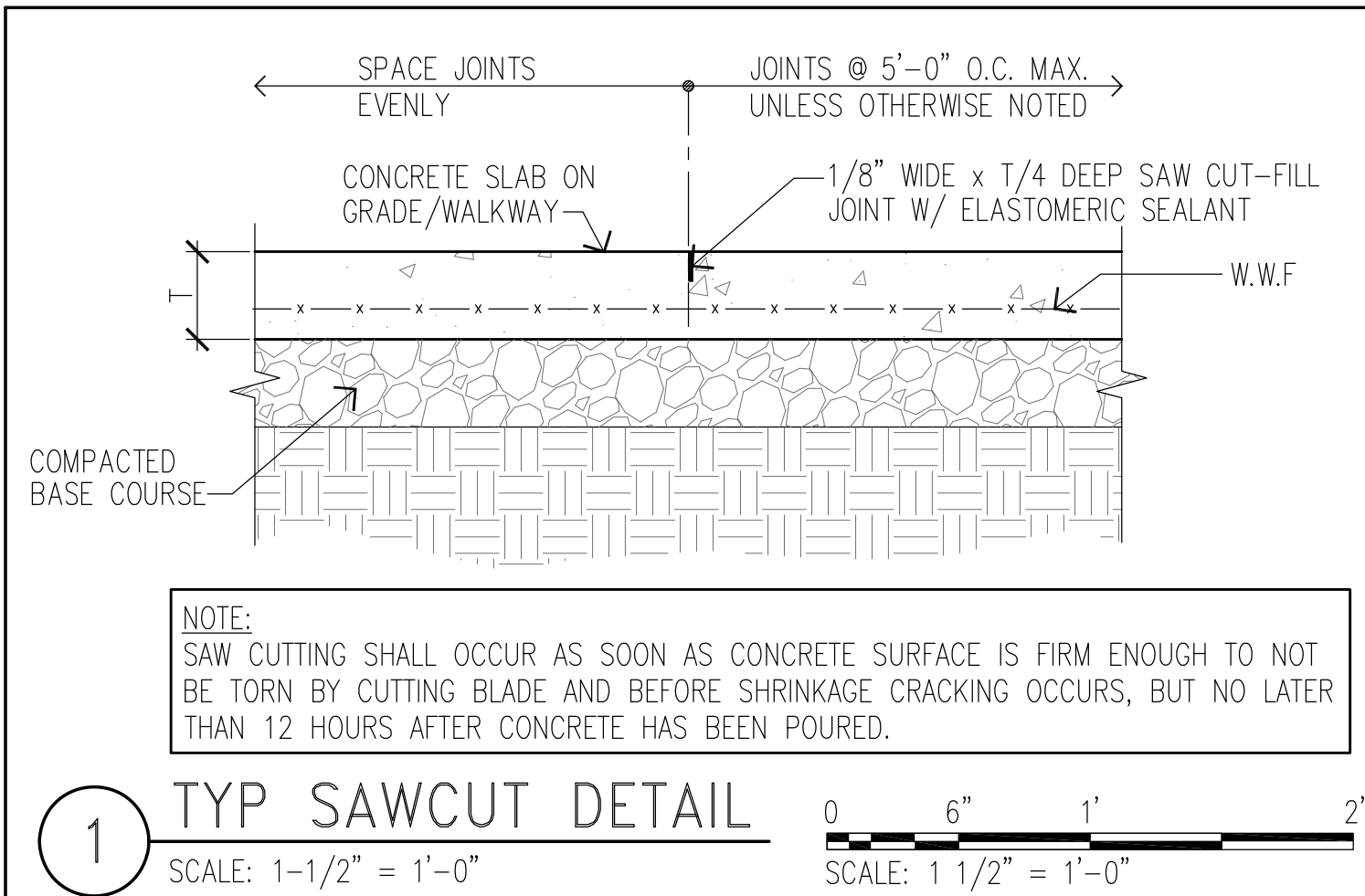
REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION					
HAWAII DISTRICT LAND OFFICE HILO, HAWAII					
ROOF DETAILS					
DESIGNED: KK			SUBMITTED:		
DRAWN: KA, TW, WL			DATE: NOVEMBER 2022		
CHECKED: FE			SCALE: AS NOTED		
APPROVED:			Carty Chang E-signed 2022-11-28 04:17PM HST carty.s.chang@hawaii.gov State of Hawaii		
CHIEF ENGINEER			DRAWING NO. A-704		



REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION					
HAWAII DISTRICT LAND OFFICE HILO, HAWAII					
MISC DETAILS					
DESIGNED: KK		SUBMITTED: <i>[Signature]</i>			
DRAWN: KA, TW, WL		DATE: NOVEMBER 2022			
CHECKED: FE		SCALE: AS NOTED			
APPROVED: <i>[Signature]</i> Carty Chang E-signed 2022-11-28 04:17PM HST carty.s.chang@hawaii.gov State of Hawaii Chief Engineer		DRAWING NO. A-705			

THIS LICENSE EXPIRES APRIL 30, 2024

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 CHAPTER 14-115 OF THE HAWAII ADMINISTRATIVE RULES, DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS, ENTITLED PROFESSIONAL ENGINEERS, ARCHITECTS, SURVEYORS AND LANDSCAPE ARCHITECTS.



REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION					
HAWAII DISTRICT LAND OFFICE HILO, HAWAII					
SITE DETAILS					
DESIGNED: KK			SUBMITTED:		
DRAWN: KA, TW, WL			DATE: NOVEMBER 2022		
CHECKED: FE			SCALE: AS NOTED		
APPROVED:			DRAWING NO. A-706		
CHIEF ENGINEER			Carty Chang E-signed 2022-11-28 04:17PM HST carty.s.chang@hawaii.gov State of Hawaii		

GENERAL:

- A. WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE STATE BUILDING CODE OF HAWAII (IBC, 2006 EDITION AS AMENDED BY THE COUNTY OF HAWAII). HOWEVER, WHERE REFERENCE IS MADE TO PERFORMANCE CONFORMING TO OTHER STANDARDS THE MORE STRINGENT SHALL APPLY.
- B. THE CONTRACTOR SHALL COMPARE ALL THE CONTRACT DOCUMENTS WITH EACH OTHER AND REPORT IN WRITING TO THE ENGINEER ALL INCONSISTENCIES AND OMISSIONS.
- C. THE CONTRACTOR SHALL TAKE FIELD MEASUREMENTS AND VERIFY FIELD CONDITIONS AND SHALL COMPARE SUCH FIELD MEASUREMENTS AND CONDITIONS WITH THE DRAWINGS BEFORE COMMENCING WORK. REPORT IN WRITING TO THE ENGINEER ALL INCONSISTENCIES AND OMISSIONS.
- D. THE CONTRACTOR SHALL BE RESPONSIBLE FOR METHODS OF CONSTRUCTION, WORKMANSHIP AND JOB SAFETY. THE CONTRACTOR SHALL PROVIDE TEMPORARY SHORING AND BRACING AS REQUIRED FOR STABILITY OF STRUCTURAL MEMBERS AND SYSTEMS.
- E. CONSTRUCTION LOADING SHALL NOT EXCEED DESIGN LIVE LOAD UNLESS SPECIAL SHORING IS PROVIDED. ALLOWABLE LOADS SHALL BE REDUCED IN AREAS WHERE THE STRUCTURE HAS NOT ATTAINED FULL DESIGN STRENGTH.
- F. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF THE ADJACENT PROPERTIES, STRUCTURES, STREETS AND UTILITIES DURING THE CONSTRUCTION PERIOD.
- G. DETAILS NOTED AS TYPICAL ON THE STRUCTURAL DRAWINGS SHALL APPLY IN ALL CONDITIONS UNLESS SPECIFICALLY SHOWN OR NOTED.
- H. THE GENERAL CONTRACTOR AND HIS SUBCONTRACTORS MUST SUBMIT IN WRITING ANY REQUESTS FOR MODIFICATIONS TO THE PLANS AND SPECIFICATIONS.

DESIGN CRITERIA:

- A. OCCUPANCY CATEGORY _____ II
- B. SEISMIC
- A. SEISMIC IMPORTANCE FACTOR: _____ 1.00
- B. MAPPED SPECTRAL RESPONSE ACCELERATIONS:
- A. SS _____ 1.500
- B. S1 _____ 0.600
- C. SPECTRAL RESPONSE COEFFICIENTS
- A. SDS _____ 1.000
- B. SD1 _____ 0.6
- D. SEISMIC DESIGN CATEGORY: _____ D
- C. WIND
- A. BASIC WIND SPEED – 3 SECOND GUST _____ 105 MPH
- B. WIND IMPORTANCE FACTOR & BUILDING CATEGORY _____ 1.00
- C. WIND EXPOSURE CATEGORY _____ B
- D. Kzt _____ 1.0
- E. Kd _____ 0.7
- F. COMPONENTS AND CLADDING _____ 19 PSF
- G. INTERNAL PRESSURE COEFFICIENT _____ 0.18
- D. DESIGN LIVE LOADS
- A. ROOF _____ 20 PSF

CONCRETE:

- A. CONCRETE CONSTRUCTION SHALL CONFORM TO AMERICAN CONCRETE INSTITUTE ACI 318R–05.
- B. CONCRETE SHALL BE REGULAR WEIGHT HARD ROCK CONCRETE AND SHALL HAVE THE FOLLOWING MINIMUM 28 DAY COMPRESSIVE STRENGTHS:
- A. FOUNDATION RETROFIT _____ 3,000 PSI
- B. SLABS ON GRADE _____ 3,000 PSI
- C. ALL OTHER CONCRETE _____ 3,000 PSI
- C. CONCRETE DELIVERY TICKETS SHALL RECORD ALL FREE WATER IN THE MIX: AT BATCHING BY PLANT, FOR CONSISTENCY BY DRIVER, AND ANY ADDITIONAL REQUEST BY CONTRACTOR IF PERMITTED BY THE MIX DESIGN.
- D. ALL INSERTS, ANCHOR BOLTS, PLATES, AND OTHER ITEMS TO BE CAST IN THE CONCRETE SHALL BE HOT–DIPPED GALVANIZED UNLESS OTHERWISE NOTED.
- E. REINFORCING BARS, ANCHOR BOLTS, INSERTS, AND OTHER ITEMS TO BE CAST IN THE CONCRETE SHALL BE SECURED IN POSITION PRIOR TO PLACEMENT OF CONCRETE.
- F. CONDUITS, PIPES, AND SLEEVES PASSING THROUGH A SLAB OR FOOTING AND NOT CONFORMING TO TYPICAL DETAILS SHALL BE LOCATED AND SUBMITTED TO THE ARCHITECT FOR APPROVAL.

CONCRETE (CONT'D):

- G. THE CONTRACTOR SHALL LOCATE CONSTRUCTION JOINTS SO AS NOT TO IMPAIR THE STRENGTH OF THE STRUCTURE AND TO MINIMIZE SHRINKAGE STRESSES. SUBMIT LOCATION OF CONSTRUCTION JOINTS TO THE ARCHITECT FOR APPROVAL, UNLESS OTHERWISE NOTED.
- H. SEE ARCHITECTURAL DRAWINGS FOR CHAMFERS, EDGE RADII, DRIPS, REGLETS, FINISHES AND OTHER NON–STRUCTURAL ITEMS NOT SHOWN OR SPECIFIED ON THE STRUCTURAL DRAWINGS.
- I. NON–SHRINK GROUT SHALL BE A PREMIXED NON–METALLIC FORMULA, CAPABLE OF DEVELOPING A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI IN 1 DAY AND 5,000 PSI IN 28 DAYS.
- J. THE STATE SHALL BE NOTIFIED AT LEAST 3 WORKING DAYS PRIOR TO ANY CONCRETE POUR. NO CONCRETE SHALL BE POURED PRIOR TO OBSERVATION BY THE ARCHITECT OR HIS REPRESENTATIVE.
- K. THE FOLLOWING ITEMS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW:
- A. CONCRETE MIX DESIGNS SHALL BE PREPARED FOR EACH TYPE AND STRENGTH OF CONCRETE REQUIRED, DETERMINED BY EITHER LABORATORY TRIAL MIX OR FIELD DATA BASES, AS FOLLOWS:
1. NORMAL WEIGHT CONCRETE SHALL BE PROPORTIONED ACCORDING TO ACI 211.1 AND ACI 301.
2. CONCRETE FOR FOUNDATIONS SHALL HAVE A 5" MAXIMUM SLUMP.
3. CONCRETE FOR SLABS–ON–GRADE SHALL HAVE A MINIMUM CEMENT CONTENT OF 470 LBS/C.Y. AND A 4" MAXIMUM SLUMP.
- L. TESTING AGENCY: THE CONTRACTOR SHALL ENGAGE A QUALFIED INDEPENDENT TESTING AND INSPECTION AGENCY TO SAMPLE MATERIALS AND PERFORM TESTS DURING CONCRETE PLACEMENT, AND SUBMIT TEST REPORTS. TESTING SERVICES SHALL INCLUDE: TESTING OF COMPOSITE SAMPLES OF FRESH CONCRETE OBTAINED ACCORDING TO ASTM C172 TO THE FOLLOWING REQUIREMENTS:
- A. TESTING FREQUENCY: ONE COMPOSITE SAMPLE SHALL BE OBTAINED FOR EACH DAY’S POUR OF EACH CONCRETE MIX EXCEEDING 5 C.Y. BUT LESS THAN 25 C.Y., PLUS ONE SET FOR EACH ADDITIONAL 50 C.Y. OR FRACTION THEREOF.
- B. SLUMP TESTS SHALL BE PERFORMED PER ASTM C143. ONE TEST SHALL BE MADE AT THE POINT OF PLACEMENT FOR EACH COMPOSITE SAMPLE, BUT NOT LESS THAN ONE TEST FOR EACH DAY’S POUR OF EACH CONCRETE MIX. ADDITIONAL TESTS SHALL BE PERFORMED WHEN CONCRETE CONSISTENCY APPEARS TO CHANGE.
- C. COMPRESSION TEST SPECIMENS SHALL CONFORM TO ASTM C31. ONE SET OF FOUR STANDARD CYLINDER SPECIMENS FOR EACH COMPOSITE SAMPLE SHALL BE CAST AND LABORATORY CURED. COMPRESSIVE STRENGTH TESTS SHALL CONFORM TO ASTM C39. ONE LABORATORY CURED SPECIMEN SHALL BE TESTED AT 7 DAYS, TWO AT 28 DAYS, AND ONE RETAINED FOR LATER TESTING IF REQUIRED.
- D. COST OF TESTING WILL BE BORNE BY THE CONTRACTOR

REINFORCING STEEL:

- A. REINFORCING STEEL (FOR NORMAL USE, NOT WELDED) SHALL BE DEFORMED BARS CONFORMING TO ASTM A615, GRADE 60.
- B. CLEAR CONCRETE COVER FOR REINFORCING BARS SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED:
- A. FOOTINGS, GRADE BEAMS, ETC. CAST AGAINST EARTH _____ 3"
- B. FOOTINGS, GRADE BEAMS, ETC. FORMED AND EXPOSED TO EARTH OR WEATHER _____ 2"
- C. CLEAR DISTANCE BETWEEN THE SURFACE OF A BAR AND ANY SURFACE OF A MASONRY UNIT SHALL BE NOT LESS THAN 1/2 INCH, UNLESS OTHERWISE NOTED.
- D. REINFORCING STEEL SHALL BE SPLICED WHERE INDICATED ON PLANS. PROVIDE LAP SPLICE LENGTH PER TYPICAL DETAILS AND SCHEDULE, UNLESS OTHERWISE NOTED.
- E. BAR LAPS SHALL BE MADE AWAY FROM POINTS OF MAXIMUM STRESS. SPLICES SHALL BE STAGGERED WHERE POSSIBLE.
- F. BAR BENDS AND HOOKS SHALL BE "STANDARD HOOKS" IN ACCORDANCE WITH ACI 318.
- G. WELDING OF REINFORCING STEEL IS NOT PERMITTED.

CONCRETE MASONRY UNITS (CMU):



- A. REINFORCED MASONRY ASSEMBLIES SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 1500 PSI.
- B. CONCRETE MASONRY UNITS SHALL BE TYPE II, NORMAL WEIGHT HOLLOW LOAD–BEARING UNITS CONFORMING TO ASTM C–90 AND HAVE A MINIMUM COMPRESSIVE STRENGTH OF 1,900 PSI.
- C. MORTAR SHALL BE TYPE "M" CONFORMING TO ASTM C270 AND HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2,500 PSI AT 28 DAYS.

CONCRETE MASONRY UNITS (CMU) (CONT'D):

- D. GROUT SHALL CONFORM TO ASTM C476 AND HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2,500 PSI AT 28 DAYS.
- E. ALL CELLS AND BOND COURSES WITH REINFORCEMENT AND INSERTS SHALL BE SOLID GROUTED. CLEANOUTS SHALL BE PROVIDED FOR ALL GROUT POURS OVER 5'–4" IN HEIGHT.
- F. WHEN GROUTING IS STOPPED FOR ONE HOUR OR LONGER, HORIZONTAL CONSTRUCTION JOINTS SHALL BE FORMED BY STOPPING THE GROUT POUR 1 1/2 INCHES BELOW THE TOP OF THE UPPERMOST UNIT.
- G. THE CONTRACTOR SHALL LOCATE CONSTRUCTION JOINTS SO AS NOT TO IMPAIR THE STRENGTH OF THE STRUCTURE AND TO MINIMIZE SHRINKAGE STRESSES.
- H. WALLS SHALL BE CONSTRUCTED IN CONVENTIONAL RUNNING BOND, UNLESS OTHERWISE NOTED.
- I. MATCH EXISTING CMU WALL LAYING PATTERN, HEIGHT OF UNITS, SURFACE TEXTURE, AND JOINT TYPE.
- J. UNLESS OTHERWISE NOTED, CMU WALLS SHALL BE REINFORCED AS FOLLOWS:
- 8 INCHES THICK #4@24" O.C. VERTICAL REINF 2–#4@48" HORIZ REINF
- K. THE FOLLOWING ITEMS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW:
- A. STEEL REINFORCEMENT SHOP DRAWINGS WHICH SHALL INCLUDE DETAILS OF FABRICATION, BENDING, PLACEMENT, MATERIAL, GRADE, SCHEDULES, AND BENDS, PREPARED ACCORDING TO ACI 315, DETAILS AND DETAILING OF CONCRETE REINFORCEMENT.
- B. MATERIAL CERTIFICATES, SIGNED BY MANUFACTURERS CERTIFYING THAT THE MATERIAL AND GRADE INDICATED FOR REINFORCING BARS COMPLY WITH THE REQUIREMENTS.

EPOXIED ANCHOR INSTALLATIONS:

- A. EPOXY USED FOR ANCHORING THREADED RODS AND REINFORCING STEEL INTO EXISTING CONCRETE OR FULLY GROUTED MASONRY SHALL BE HILTI HIT–HY 200 –A OR –R SYSTEM, SIMPSON SET–XP SYSTEM, OR APPROVED EQUAL, AND SHALL BE INSTALLED PER MANUFACTURER’S RECOMMENDATIONS.
- B. THE CONTRACTOR SHALL VERIFY THAT DRILLED ANCHORS ARE INSTALLED IN SOLID/FULLY GROUTED EXISTING MASONRY WALLS/CELLS. WHERE WALLS/CELLS ARE NOT FULLY GROUTED, THEY SHALL BE GROUTED WITH GROUT CONFORMING TO ASTM C476 HAVING A MINIMUM COMPRESSIVE STRENGTH OF 2,500 PSI AT 28 DAYS, TO PROVIDE A MINIMUM OF 8 INCHES ALL AROUND EACH ANCHOR INSTALLATION, UNLESS OTHERWISE NOTED.
- C. ANCHORS SHALL BE INSTALLED WITH THE MINIMUM EMBEDMENT REQUIREMENTS AS INDICATED ON THE DRAWINGS.

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
<div><p>THIS LICENSE EXPIRES APRIL 30, 2024</p><p>SIGNATURE</p><p>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 CHAPTER 18-115 OF THE HAWAII ADMINISTRATIVE RULES, DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS, EDITED PROFESSIONAL ENGINEERS, ARCHITECTS, SURVEYORS AND LANDSCAPE ARCHITECTS)</p></div>		STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION			
		HAWAII DISTRICT LAND OFFICE HILO, HAWAII			
		GENERAL NOTES			
		DESIGNED: BC		SUBMITTED: 	
DRAWN: IB		DATE: NOV 2022			
CHECKED: BC		SCALE: AS NOTED			
APPROVED:		Carty Chang E-signed 2022-11-28 04:17PM HST carty.s.chang@hawaii.gov State of Hawaii Chief Engineer		DRAWING NO. S-001	

METAL DECK:

- A. METAL DECK AND ACCESSORIES SHALL BE OF THE TYPE AND GAGE CALLED FOR ON THE DRAWINGS.
- B. METAL DECK AND ACCESSORIES SHALL BE FORMED FROM STEEL SHEETS CONFORMING TO ASTM 653 SQ GRADE 33, MINIMUM YIELD STRENGTH 33 KSI, WITH G60 GALVANIZED COATING.
- C. DECK SHALL BE THREE SPAN CONTINUOUS WHERE POSSIBLE. DO NOT LOCATE SINGLE SPANS AT EDGES OR CORNERS.
- D. MINIMUM BEARING OF DECKING ON SUPPORTS SHALL BE 2 INCHES.
- E. SCREW FASTENING OF METAL ROOF DECK
A. SEE ROOF FRAMING PLAN FOR EXTENT AND ORIENTATION OF METAL DECK.
B. AT EACH SUPPORT, PROVIDE MINIMUM 4-#12 TRAXX SCREWS PER 36" WIDTH OF DECK UNLESS OTHERWISE NOTED.
C. AT EACH SUPPORT, AT OVERLAPPING SEAMS, PROVIDE MINIMUM 1-#12 TRAXX SCREW.
D. ALONG SEAMS AND ALONG ALL EDGE AND PERIMETER SUPPORTS, PROVIDE MINIMUM #12 TRAXX SCREWS AT 6" ON CENTERS.
- F. THE FOLLOWING SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW:
A. SHOP DRAWINGS DETAILING LAYOUT OF METAL DECK, CONNECTIONS, FASTENING, AND OTHER PERTINENT DATA.
B. MILL TEST REPORTS SIGNED BY MANUFACTURERS CERTIFYING THAT THE MATERIALS AND OTHER COMPONENTS COMPLY WITH REQUIREMENTS.

STRUCTURAL STEEL:

- A. FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION MANUAL OF STEEL CONSTRUCTION, THIRTEENTH EDITION.
- B. STRUCTURAL STEEL SHALL CONFORM TO ASTM A36 UNLESS OTHERWISE NOTED.
- C. STEEL WIDE FLANGE SECTIONS SHALL CONFORM TO ASTM A992.
- D. STEEL CHANNELS, S, M AND HP SHAPES SHALL CONFORM TO ASTM A36.
- E. BOLTS FOR STRUCTURAL STEEL TO STRUCTURAL STEEL CONNECTIONS SHALL CONFORM TO ASTM A307, GRADE A UNLESS OTHERWISE NOTED.
- F. THREADED RODS SHALL CONFORM TO ASTM F1554 GRADE 36 UNLESS OTHERWISE NOTED.
- G. ANCHOR RODS FOR STRUCTURAL STEEL TO CONCRETE PEDESTAL OR FOOTING ANCHORAGE SHALL CONFORM TO ASTM F1554 GRADE 36 OTHERWISE NOTED.
- H. WELDS AND WELDING PROCEDURES SHALL CONFORM TO THE STRUCTURAL WELDING CODE AWS D1.1 OF THE AMERICAN WELDING SOCIETY.
- I. WELDING SHALL BE PERFORMED BY WELDERS PREQUALIFIED FOR WELDING PROCEDURES TO BE USED.
- J. WELDING ELECTRODES SHALL BE E70XX.
- K. ALL STEEL SHALL BE PRIME PAINTED IN THE SHOP.
- L. EXPOSED STEEL SHALL BE HOT-DIPPED GALVANIZED.
- M. THE FOLLOWING SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW:
A. SHOP DRAWINGS DETAILING FABRICATION OF STRUCTURAL STEEL COMPONENTS INCLUDING DETAILS OF CUTS, CONNECTIONS, HOLES; WELDS; TYPE, SIZE AND LENGTH OF BOLTS; AND OTHER PERTINENT DATA.
B. CURRENT WELDER'S CERTIFICATION OF EACH INDIVIDUAL PERFORMING WELDING WORK.
C. MILL TEST REPORTS SIGNED BY MANUFACTURERS CERTIFYING THAT STRUCTURAL STEEL, BOLTS, AND OTHER COMPONENTS COMPLY WITH REQUIREMENTS.

SPECIAL INSPECTION:

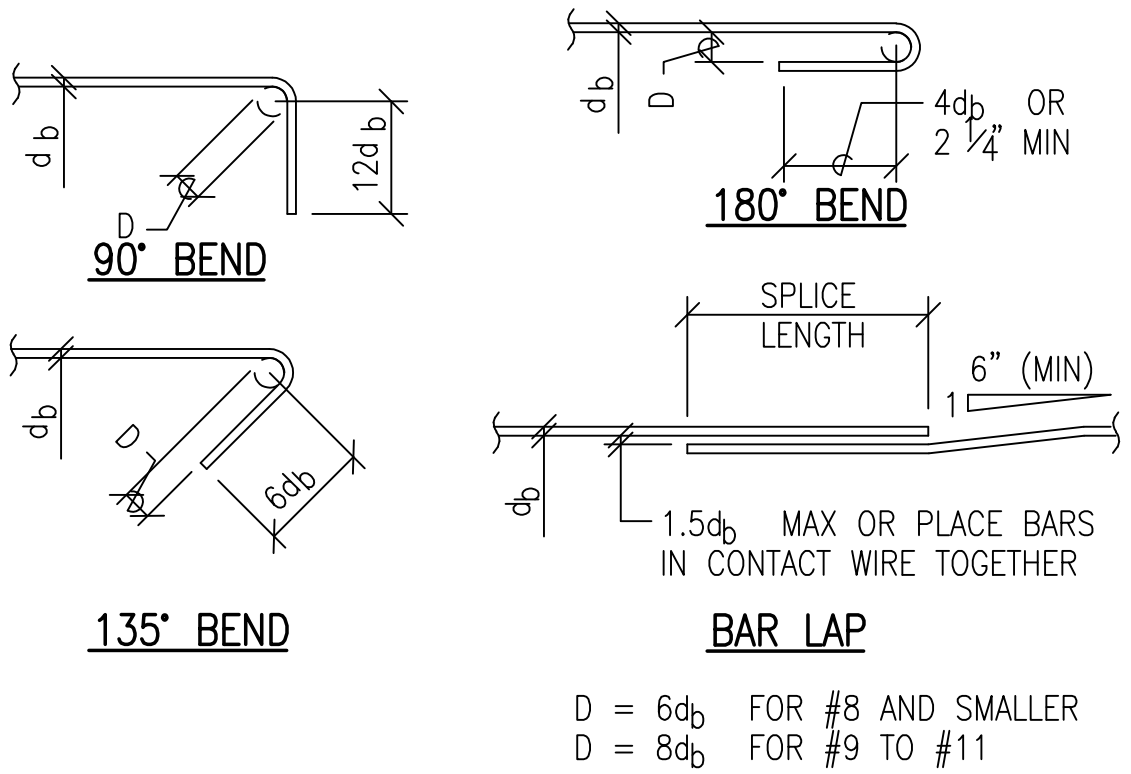
- A. CONTRACTOR SHALL PAY FOR AND BE RESPONSIBLE FOR ENSURING THAT SPECIAL INSPECTION OF PORTIONS OF THE WORK, AS REQUIRED BY THE BUILDING CODE OF THE COUNTY OF HAWAII, IS MADE AT THE APPROPRIATE TIME. THE CONTRACTOR SHALL GIVE TIMELY NOTICE OF WHEN AND WHERE INSPECTIONS ARE TO BE MADE AND PROVIDE ACCESS FOR THE INSPECTOR. THE CONTRACTOR SHALL CORRECT DEFECTIVE WORK AT NO ADDITIONAL COST TO THE STATE AND PAY FOR RE-INSPECTION.
- B. THE FOLLOWING STRUCTURAL WORK REQUIRES SPECIAL INSPECTION:
A. MASONRY CONSTRUCTION.
B. SPECIAL CASES – DRILLED AND EPOXIED THREADED RODS OR REINFORCING STEEL IN EXISTING FULLY GROUTED MASONRY OR CONCRETE
- C. SPECIAL INSPECTION IS NOT REQUIRED FOR FOUNDATION CONCRETE AND REINFORCING STEEL. FOUNDATIONS WERE DESIGNED WITH F'C = 2,500 PSI.
- D. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE STATE, LICENSED ENGINEER OR ARCHITECT OF RECORD, AND OTHER STATE-DESIGNATED PERSONS. REPORTS SHALL INDICATE THAT WORK INSPECTED WAS DONE IN CONFORMANCE TO APPROVED CONSTRUCTION DOCUMENTS. THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT TO THE STATE AND LICENSED ENGINEER OR ARCHITECT OF RECORD, STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF THE INSPECTOR'S KNOWLEDGE, IN CONFORMANCE TO THE APPROVED PLANS AND SPECIFICATIONS AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THIS CODE. PRIOR TO THE FINAL INSPECTION REQUIRED UNDER THE BUILDING CODE SECTION 109.3.10 THE LICENSED ENGINEER OR ARCHITECT OF RECORD SHALL SUBMIT A WRITTEN STATEMENT VERIFYING RECEIPT OF THE FINAL INSPECTION REPORTS AND DOCUMENTING THAT THERE ARE NO UNRESOLVED CODE REQUIREMENTS THAT CREATE SIGNIFICANT PUBLIC SAFETY DEFICIENCIES.
- E. CONTRACTOR SHALL SUBMIT A STATEMENT CONTAINING AN ACKNOWLEDGEMENT OF AWARENESS OF THE SPECIAL INSPECTION REQUIREMENTS CONTAINED ON THE DRAWINGS AND THAT THE CONSTRUCTION REQUIRING SPECIAL INSPECTIONS WILL BE MADE ACCESSIBLE FOR INSPECTIONS.

ABBREVIATIONS:

- @ ————— AT
ARCH ————— ARCHITECTURAL
BLW ————— BELOW
BOT ————— BOTTOM
CMU ————— CONCRETE MASONRY UNIT
CONC ————— CONCRETE
DBL ————— DOUBLE
DMG ————— DAMAGE
DWG ————— DRAWING
EQ ————— EQUAL
FTG ————— FOOTING
HORIZ ————— HORIZONTAL
MECH ————— MECHANICAL
REINF ————— REINFORCED OR REINFORCING
THK ————— THICK
TYP ————— TYPICAL
VERT ————— VERTICAL
w/ ————— WITH

MINIMUM SPLICE & EMBEDMENT LENGTHS FOR CONCRETE					
BAR SIZE	LAP SPLICE		EMBEDMENT		
	BOT BAR OR WALL BAR	TOP BAR	STRAIGHT	TOP BAR	W/ STD HOOK
			BOT BAR OR WALL BAR		
#3, #4	29"	38"	22"	29"	11"
#5	36"	47"	28"	36"	14"
#6	43"	56"	33"	43"	17"
#7	63"	82"	48"	63"	20"
#8	72"	94"	55"	72"	22"
#9	81"	106"	62"	81"	25"

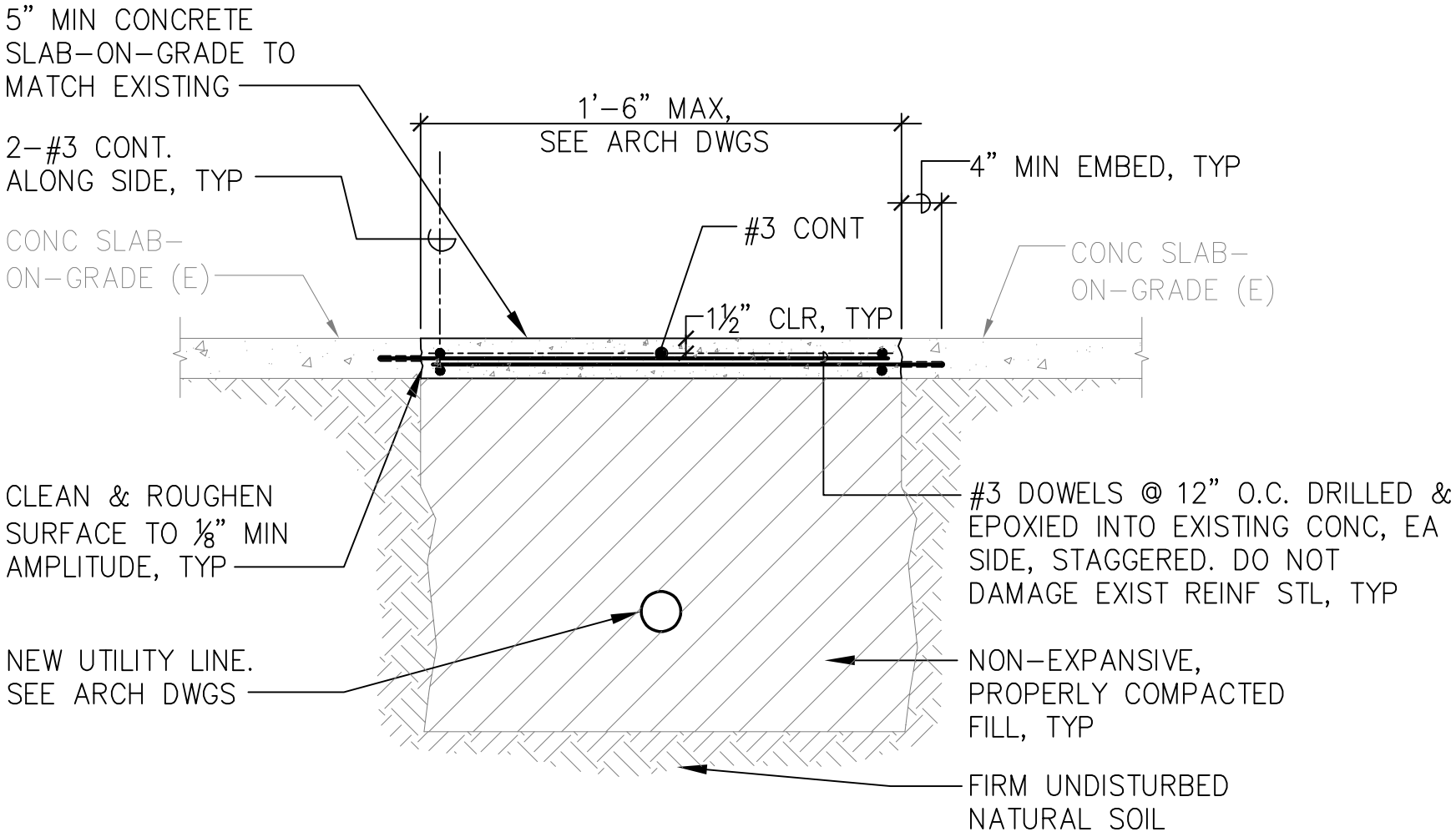
MINIMUM SPLICE & EMBEDMENT LENGTHS FOR MASONRY					
BAR SIZE	LAP SPLICE		EMBEDMENT		
	EDGE BAR	CENTERED BAR	STRAIGHT		W/ STD HOOK
			EDGE BAR	CENTERED BAR	
#3, #4	26"	24"	26"	24"	11"
#5	40"	30"	40"	30"	14"
#6	74"	36"	74"	36"	17"



- NOTES:
- LENGTHS ARE FOR CONCRETE BEAMS & COLUMNS WITH REBAR SPACED 1 BAR DIAMETER MIN OC. AND CONCRETE WALLS WITH REBARS SPACED 2 BAR DIAMETERS MIN OC. INCREASE BAR LENGTH 50% FOR BARS SPACED CLOSER THAN MINIMUMS SPECIFIED.
 - "TOP BARS" ARE HORIZONTAL BARS WITH 12" OR MORE OF CONCRETE CAST BELOW.
 - BEND & HOOKS SHALL BE "STANDARD HOOKS" IN ACCORDANCE WITH ACI 318

1 TYPICAL REBAR SPLICE & EMBEDMENT LENGTH SCHEDULE

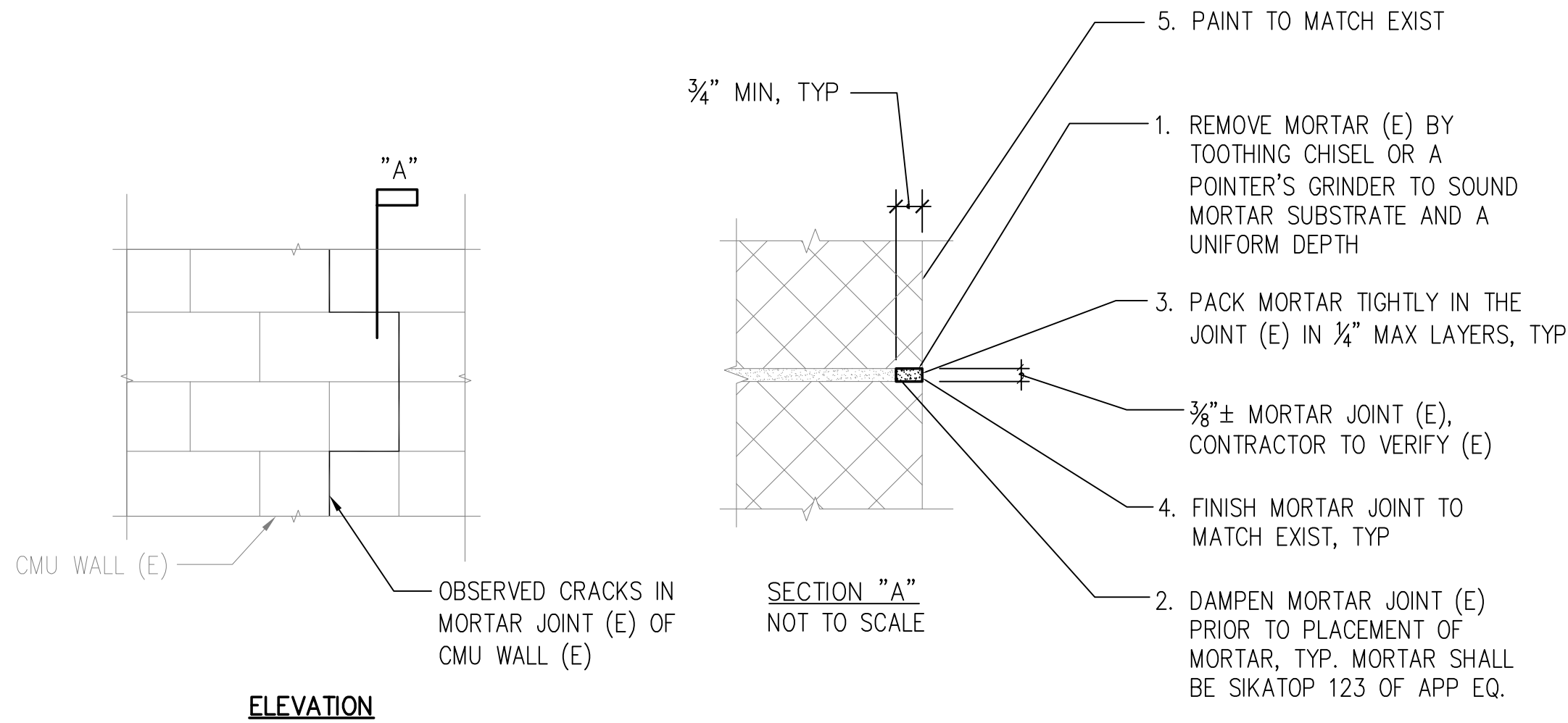
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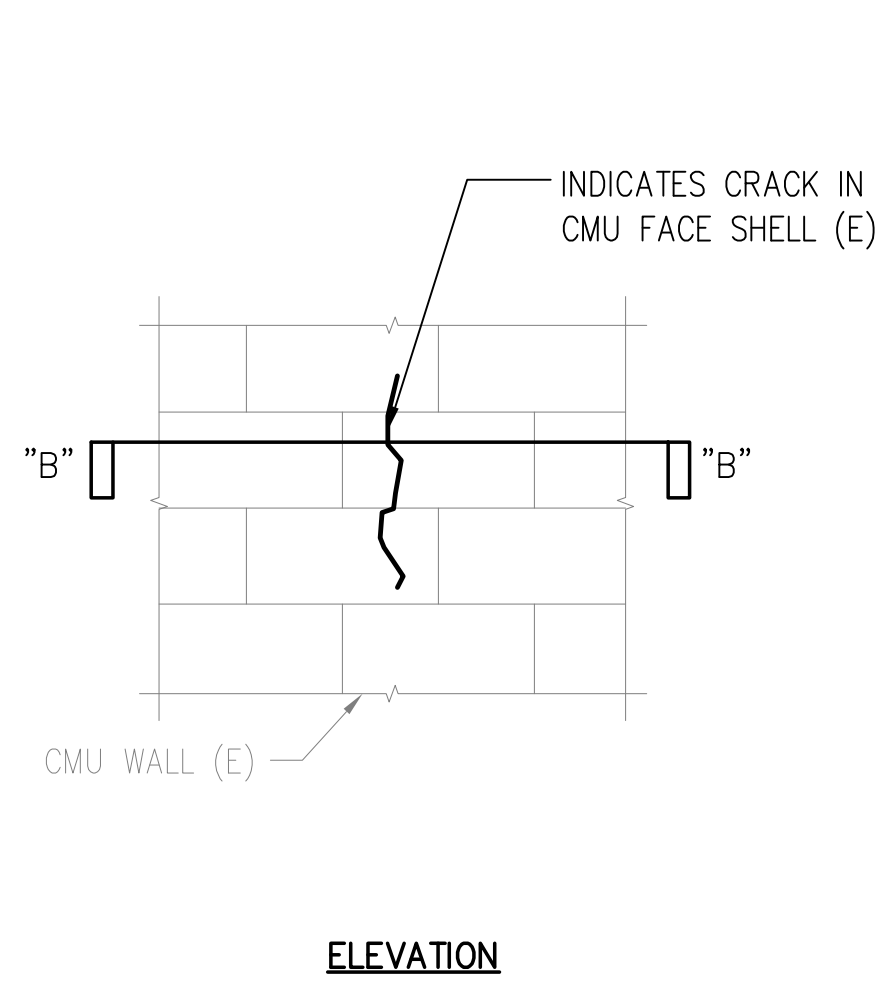
2 CONC SLAB-ON-GRADE REPAIR DETAIL

S-002 SCALE: NOT TO SCALE

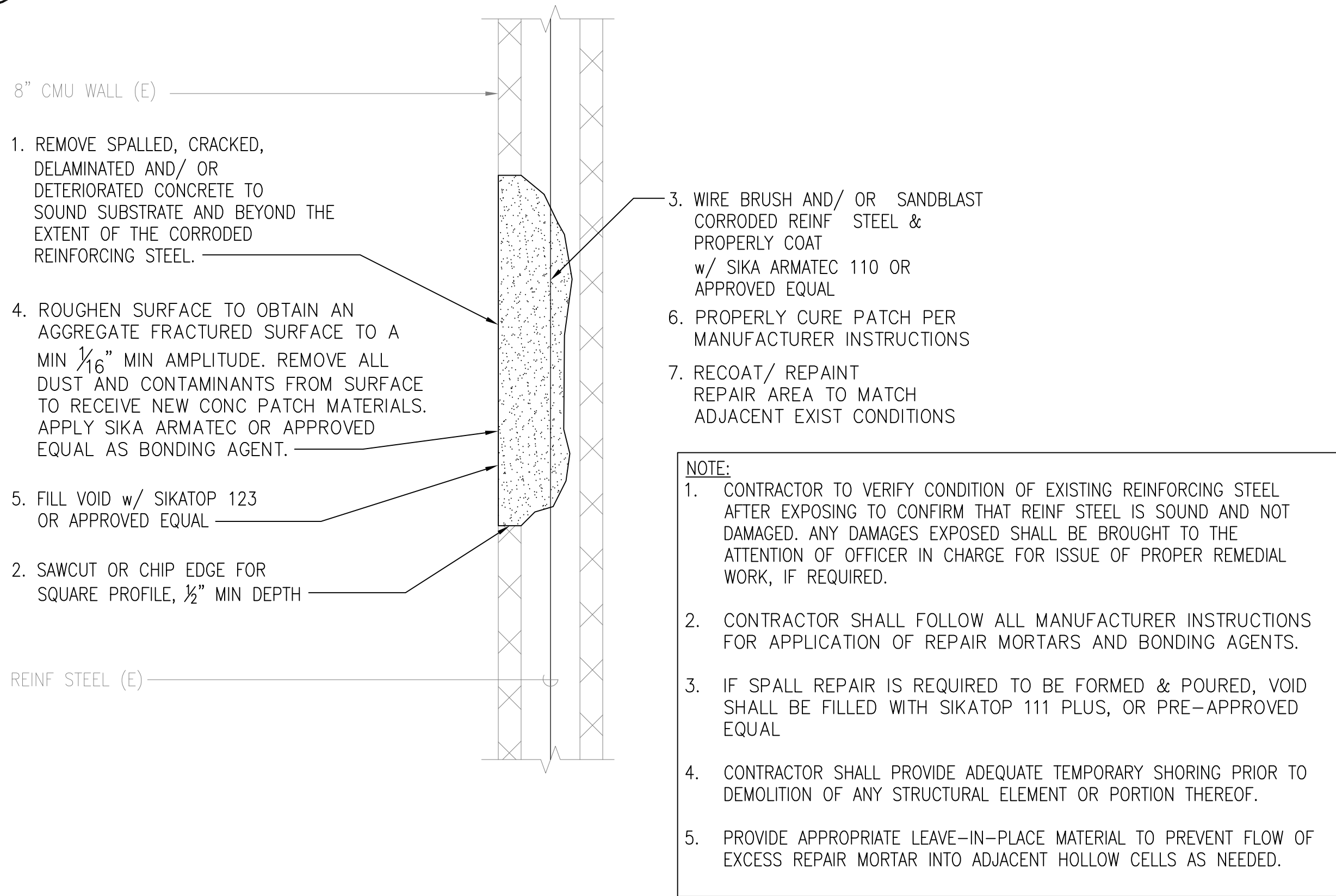
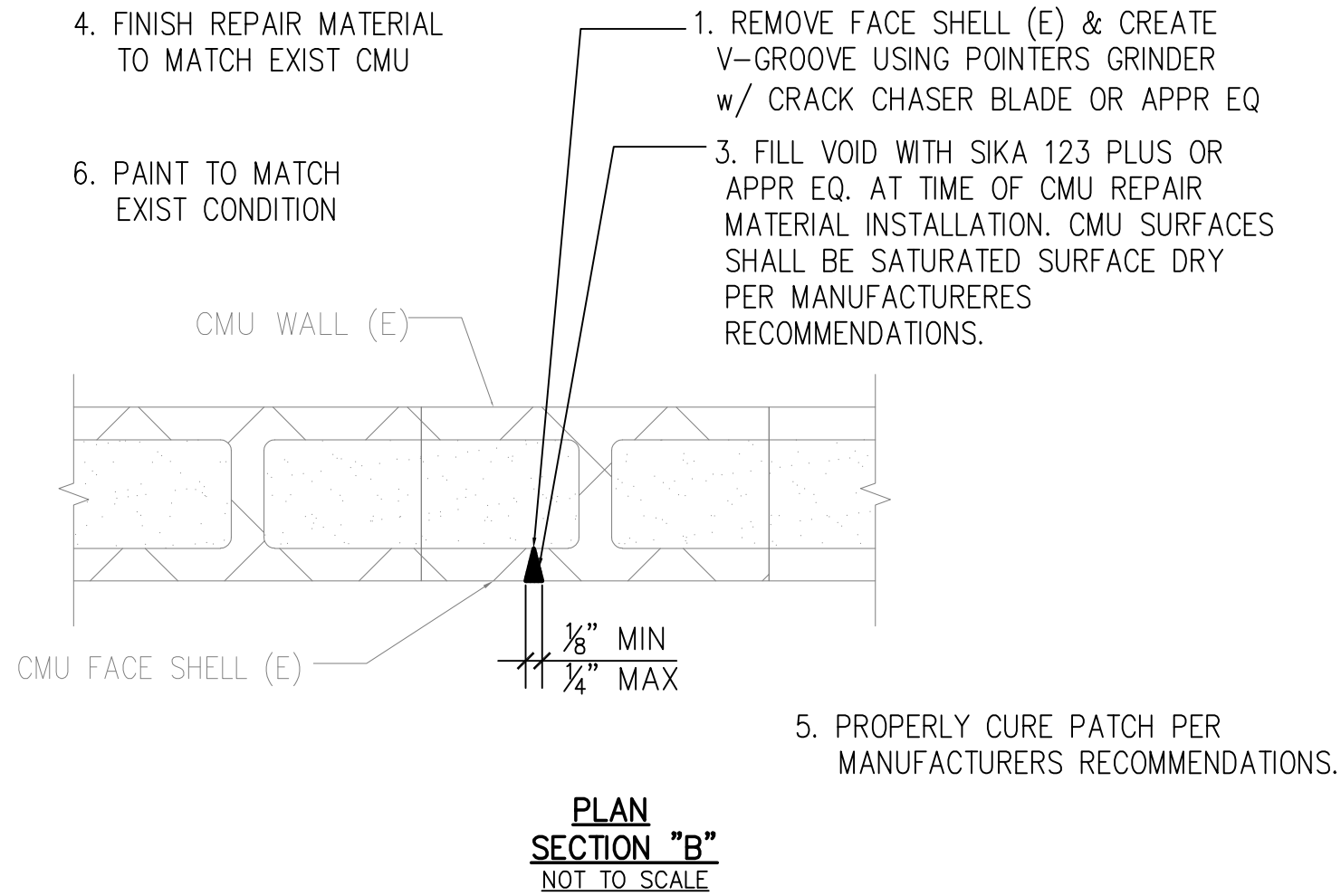
REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
		STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION			
		HAWAII DISTRICT LAND OFFICE HILO, HAWAII			
		GENERAL NOTES & TYPICAL DETAILS			
		DESIGNED: BC	SUBMITTED: [Signature]		
		DRAWN: IB	DATE: NOV 2022		
		CHECKED: BC	SCALE: AS NOTED		
		APPROVED: Carty Chang E-signed 2022-11-28 04:17PM HST carty.s.chang@hawaii.gov State of Hawaii Chief Engineer	DRAWING NO. S-002		



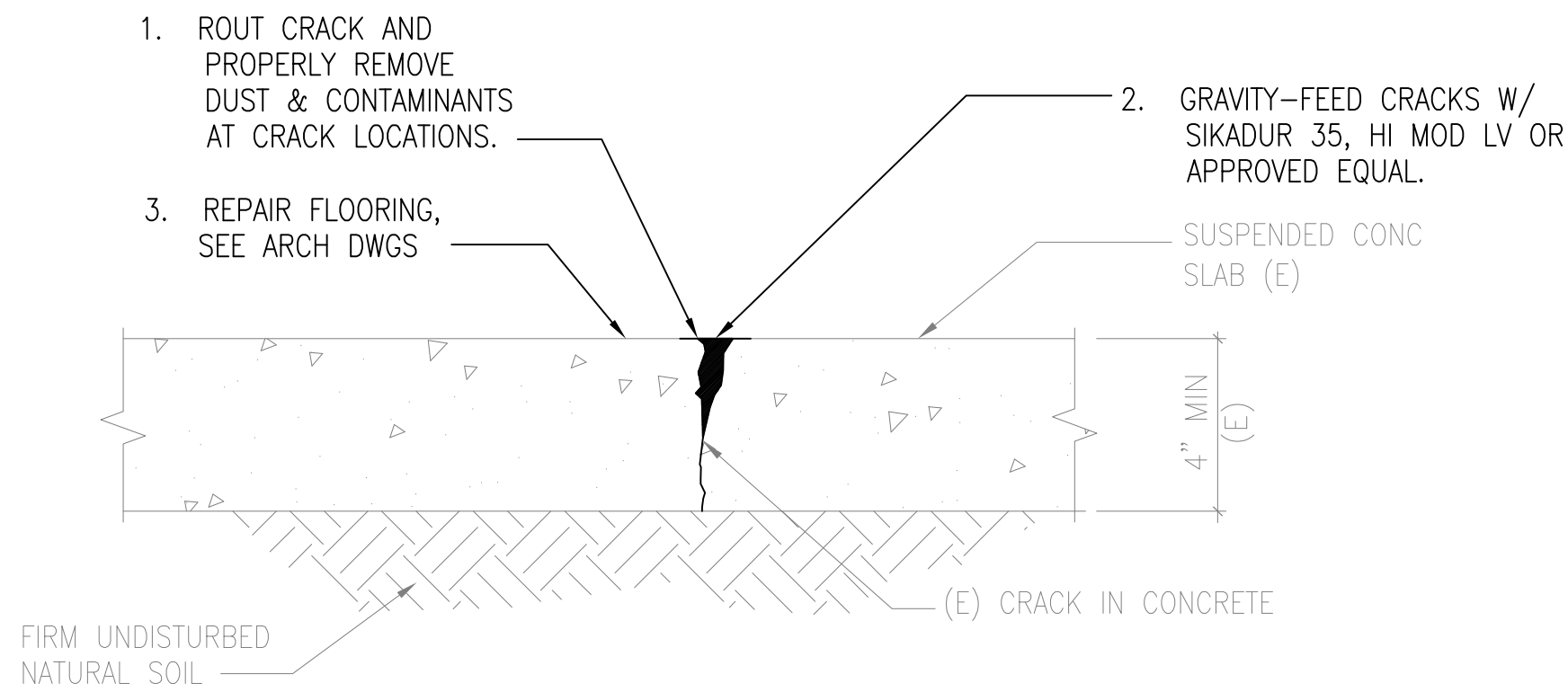
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S-003
DETAIL
NOT TO SCALE



2
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DETAIL
NOT TO SCALE

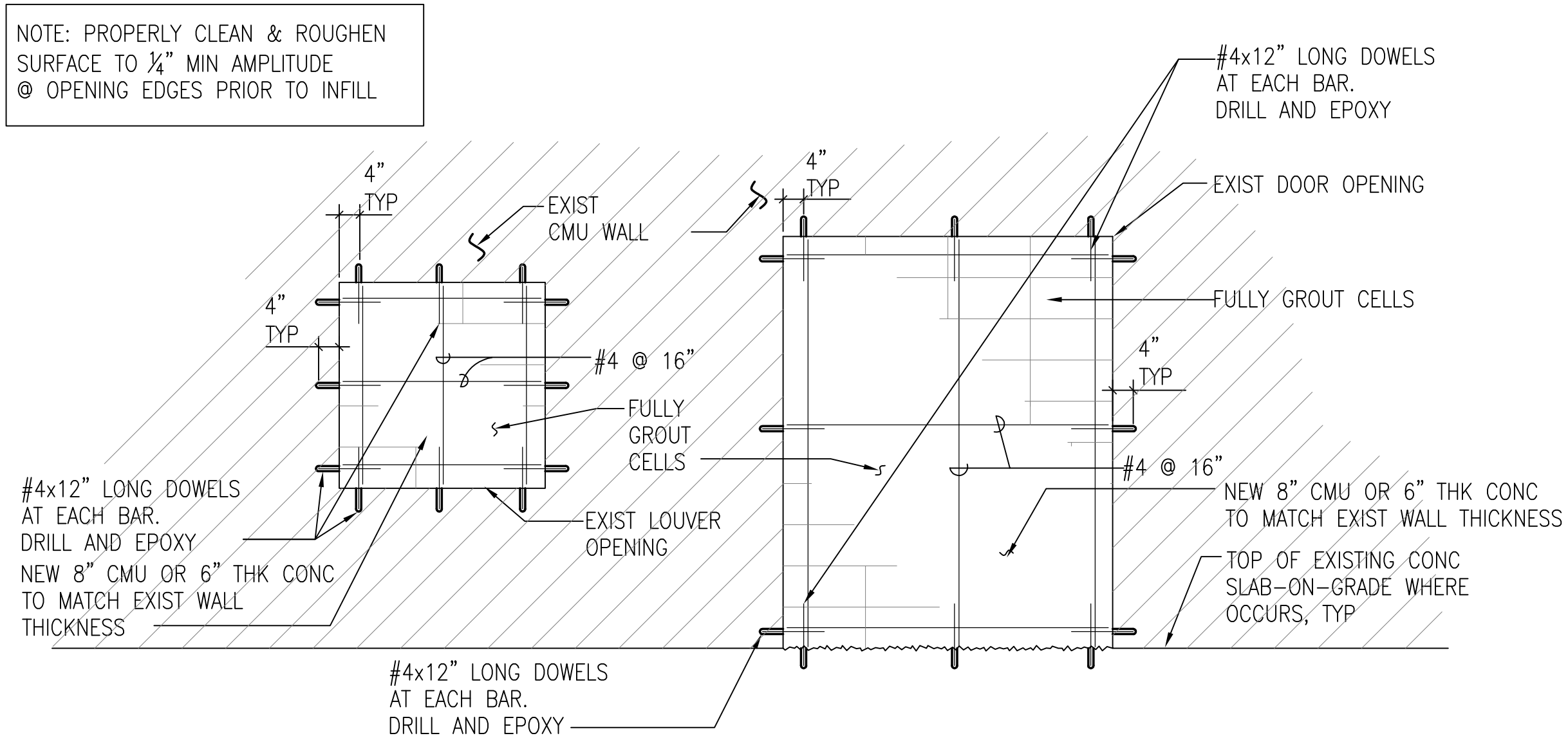


3
S-003
SECTION
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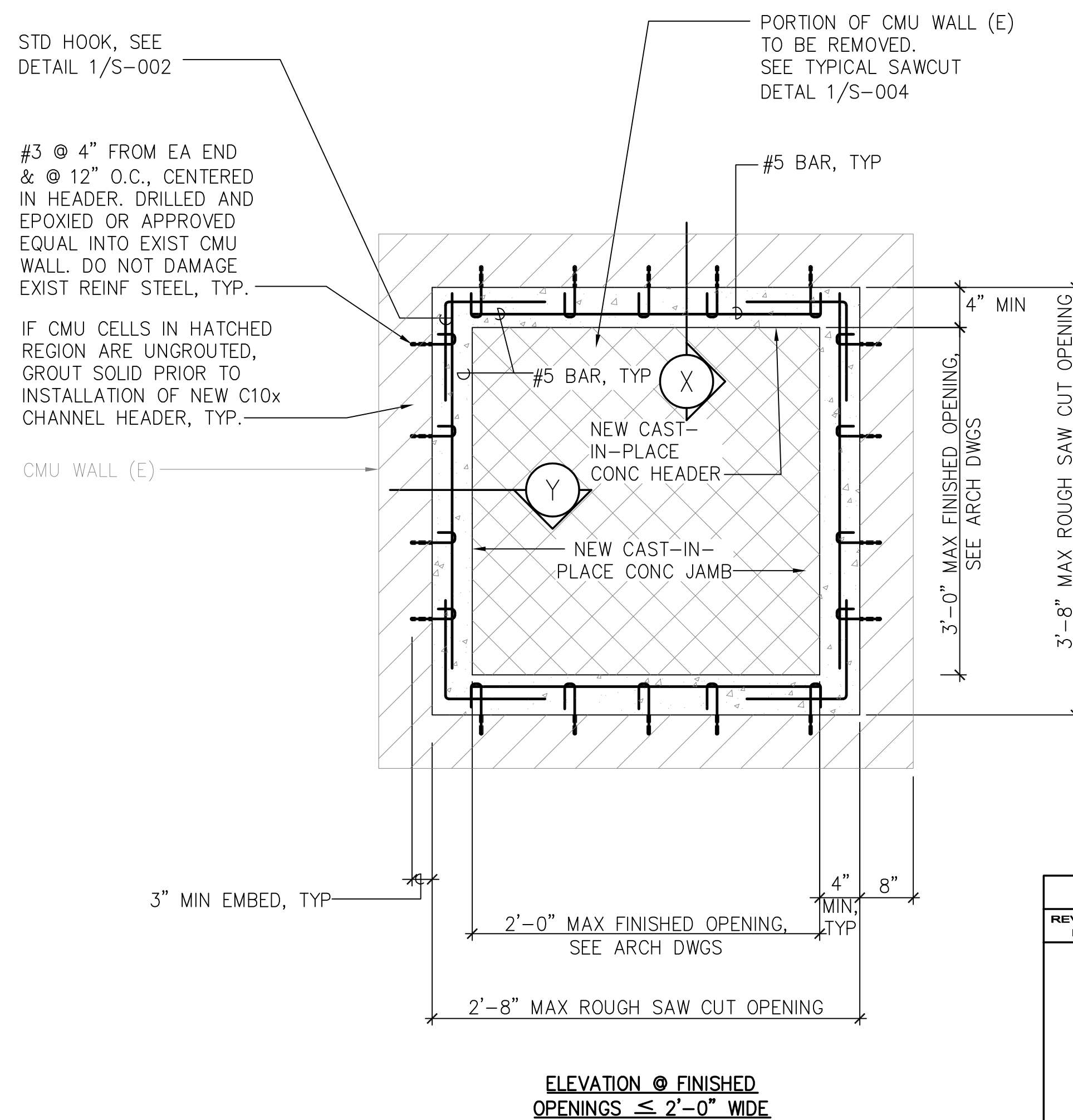


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S-003
CONC SLAB-ON-GRADE CRACK REPAIR
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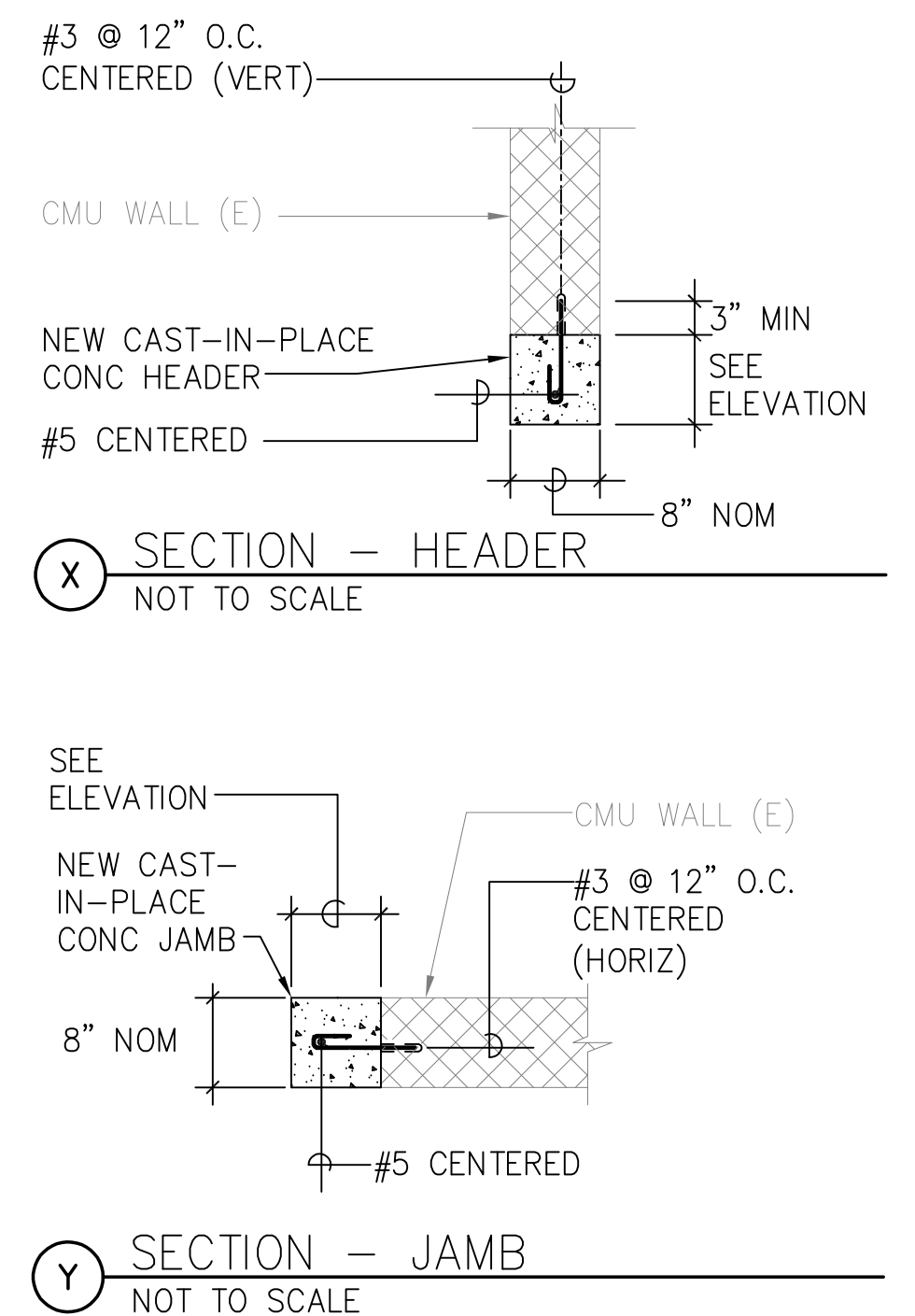
REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION					
HAWAII DISTRICT LAND OFFICE HILO, HAWAII					
GENERAL NOTES & TYPICAL DETAILS					
DESIGNED: BC			SUBMITTED:		
DRAWN: IB			DATE: NOV 2022		
CHECKED: BC			SCALE: AS NOTED		
APPROVED:			DRAWING NO. S-003		
CHIEF ENGINEER			Carty Chang E-signed 2022-11-28 04:17PM HST carty.s.chang@hawaii.gov State of Hawaii Chief Engineer		



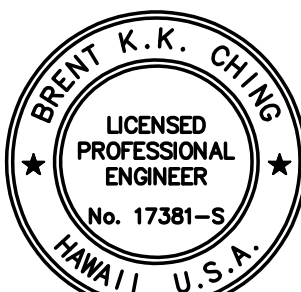
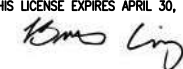



2 TYPICAL CMU WALL INFILL DETAIL
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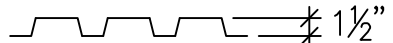


ELEVATION @ FINISHED
OPENINGS $\leq 2'-0"$ WIDE



SECTION – JAMB
NOT TO SCALE

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
		STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION			
		HAWAII DISTRICT LAND OFFICE HILO, HAWAII			
		TYPICAL DETAILS			
THE LICENSE EXPIRES APRIL 30, 2024  SIGNATURE		DESIGNED: BC	SUBMITTED:  		
		DRAWN: IB	DATE: NOV 2022		
		CHECKED: BC	SCALE: AS NOTED		
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. (REGISTRATION OF DESIGNER AS DEFINED IN CHAPTER 16-15 OF THE HAWAII ADMINISTRATIVE RULES, DEPARTMENT OF LAND AND NATURAL RESOURCES, ENGINEERS, ARCHITECTS, SURVEYORS AND LANDSCAPE ARCHITECTS).		APPROVED:	Carty Chang E-signed 2022-11-28 04:17PM HST carty.s.chang@hawaii.gov State of Hawaii 		DRAWING NO. S-004
		CHIEF ENGINEER			

METAL ROOF DECK SCHEDULE				
TYPE GAGE	MINIMUM SECTION PROPERTIES			SECTION
	l in ⁴ /FT	+Sin ³ /FT	-Sin ³ /FT	
1½" VERO/ PLB-36 22 GA ROOF DECK OR APPROVED EQUAL	0.192	0.176	0.188	

NOTES:

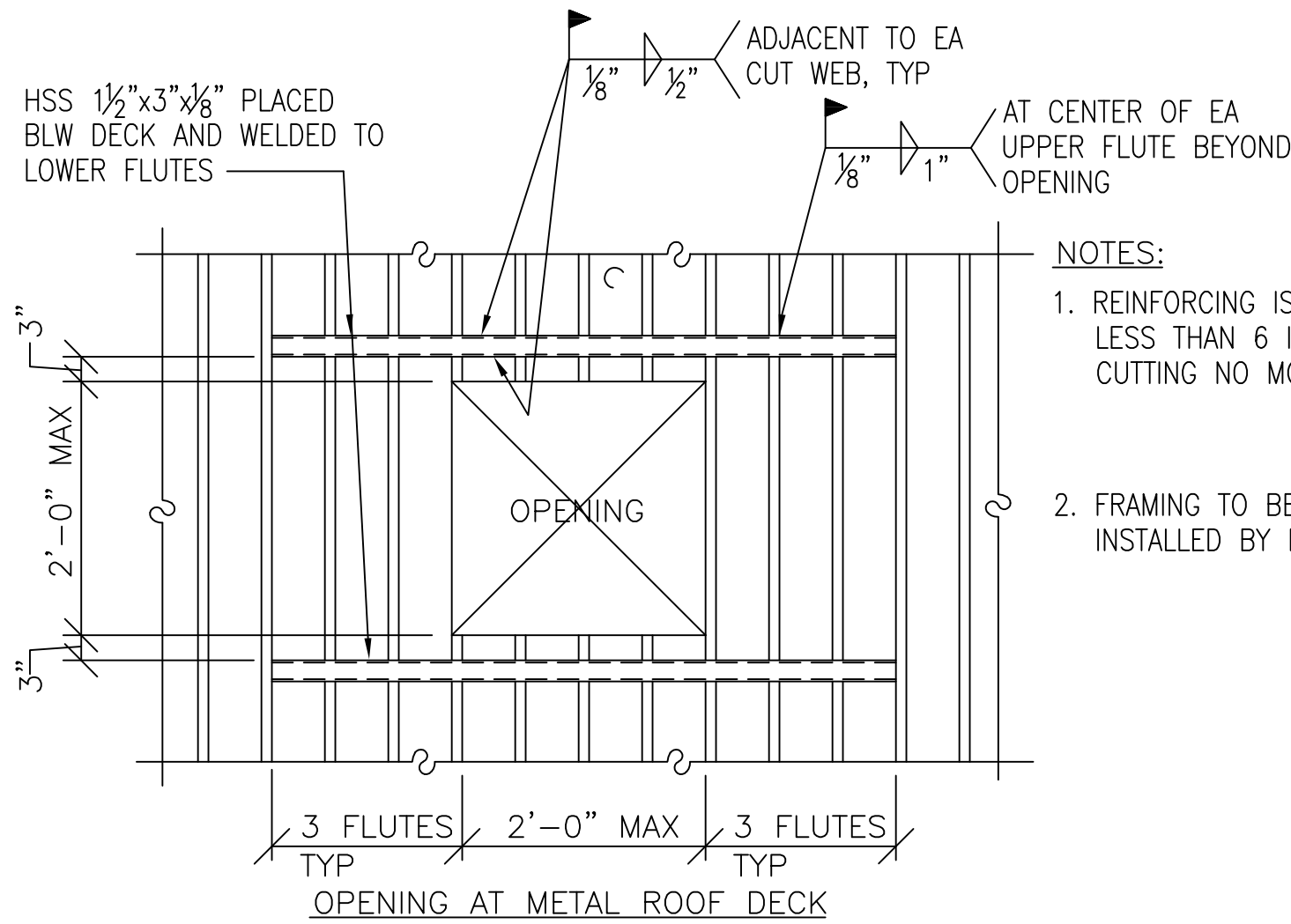
- SEE PLANS FOR EXTENT AND ORIENTATION OF METAL DECK.
- SEE 3/S-005 FOR METAL ROOF DECK FASTENING TO SUPPORTS

1

S-005

METAL ROOF DECK SCHEDULE

NOT TO SCALE



NOTES:

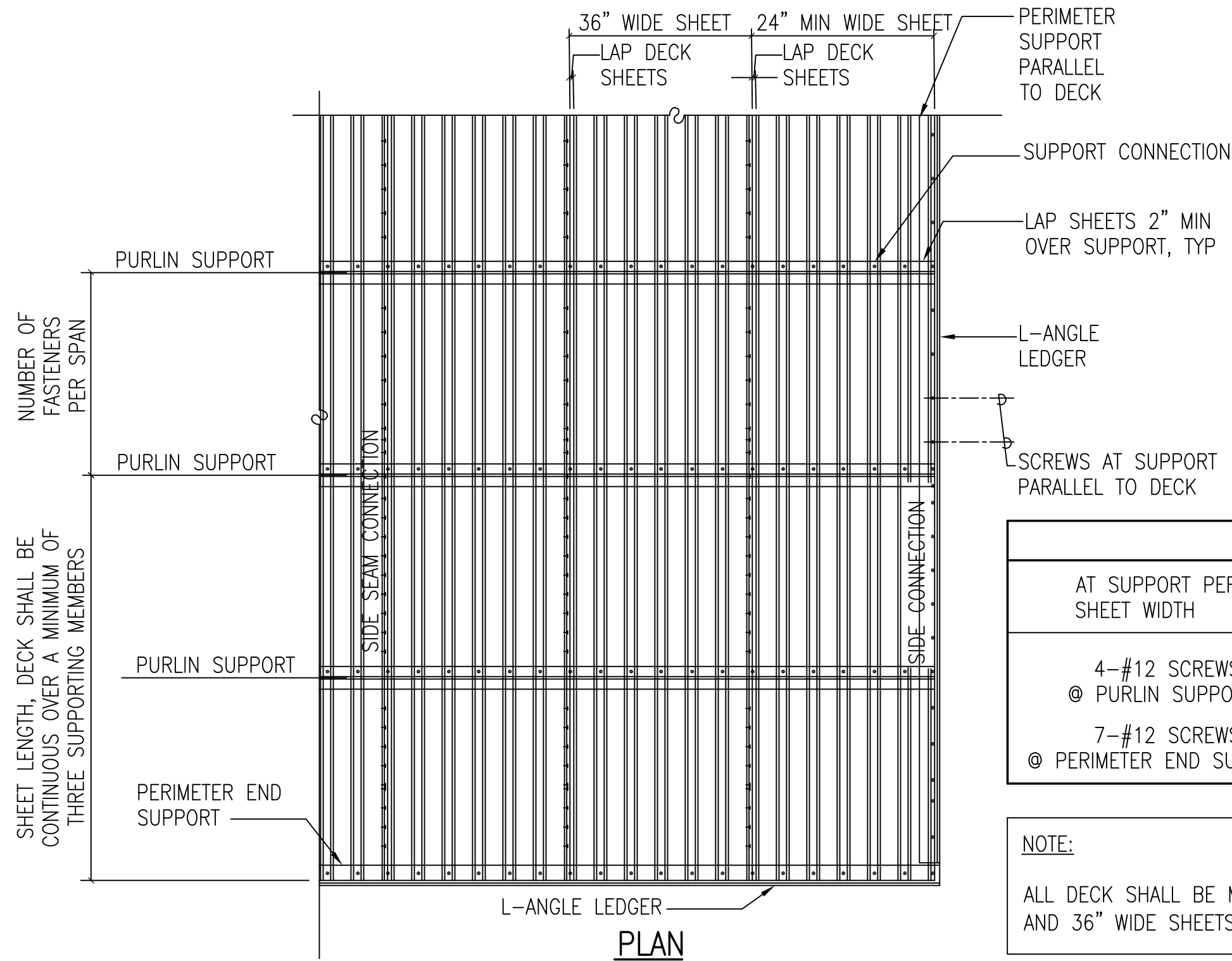
- REINFORCING IS NOT REQUIRED FOR HOLES LESS THAN 6 INCHES IN DIAMETER AND CUTTING NO MORE THAN 1 WEB.
- FRAMING TO BE FURNISHED AND INSTALLED BY DECK MANUFACTURER.

2

S-005

TYPICAL OPENING AT ROOF DECK

NOT TO SCALE



DIAPHRAGM CONNECTION		
AT SUPPORT PER 36" SHEET WIDTH	SIDE LAP CONNECTION	AT SUPPORT PARALLEL TO DECK
4-#12 SCREWS @ PURLIN SUPPORTS 7-#12 SCREWS @ PERIMETER END SUPPORTS	VSC2 @ 24" OC (OR APPROVED EQUAL)	#12 SCREWS @ 6" OC

NOTE:



ALL DECK SHALL BE MINIMUM 3 SPAN CONTINUOUS CONDITION AND 36" WIDE SHEETS AND GALVANIZED

3

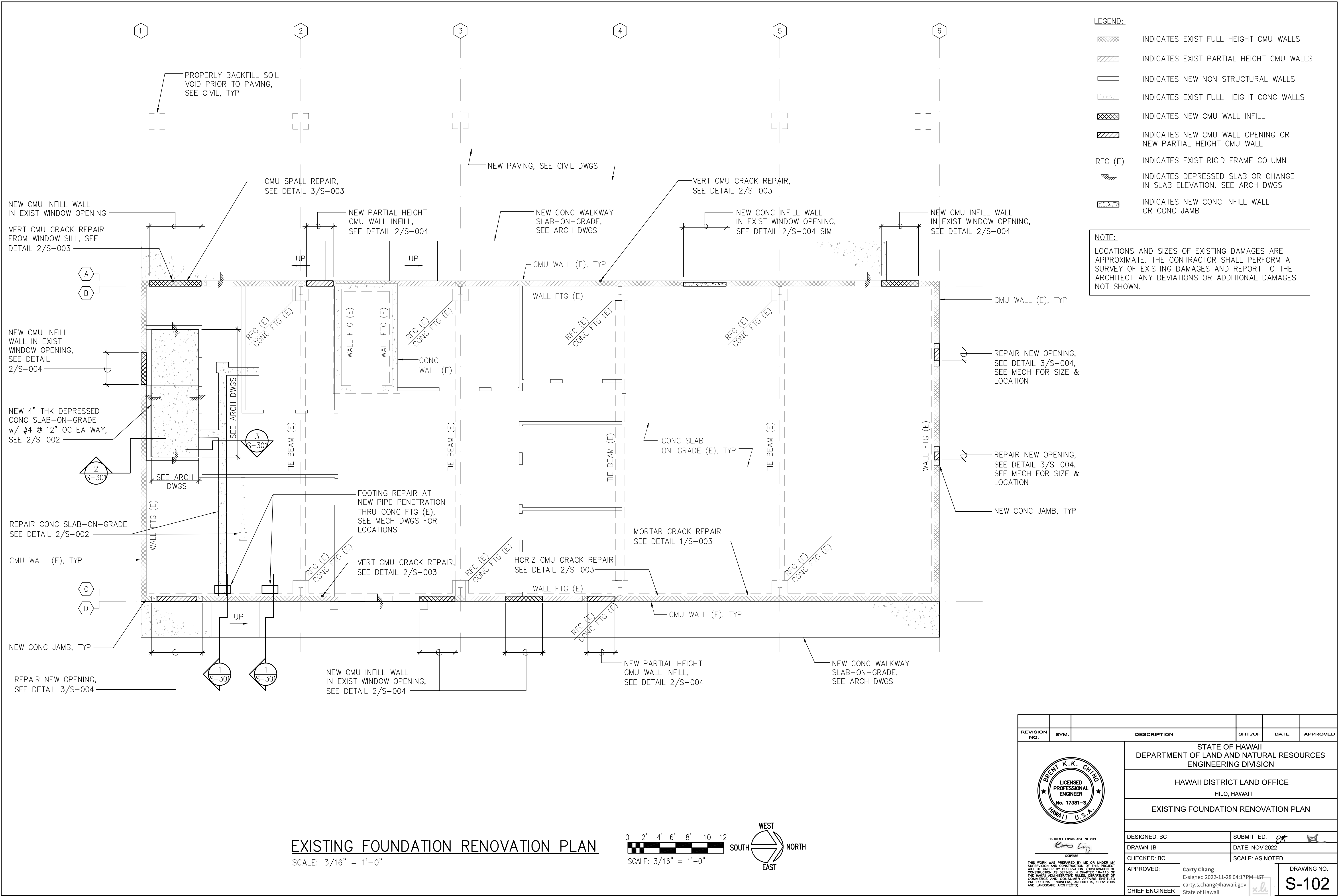
S-005

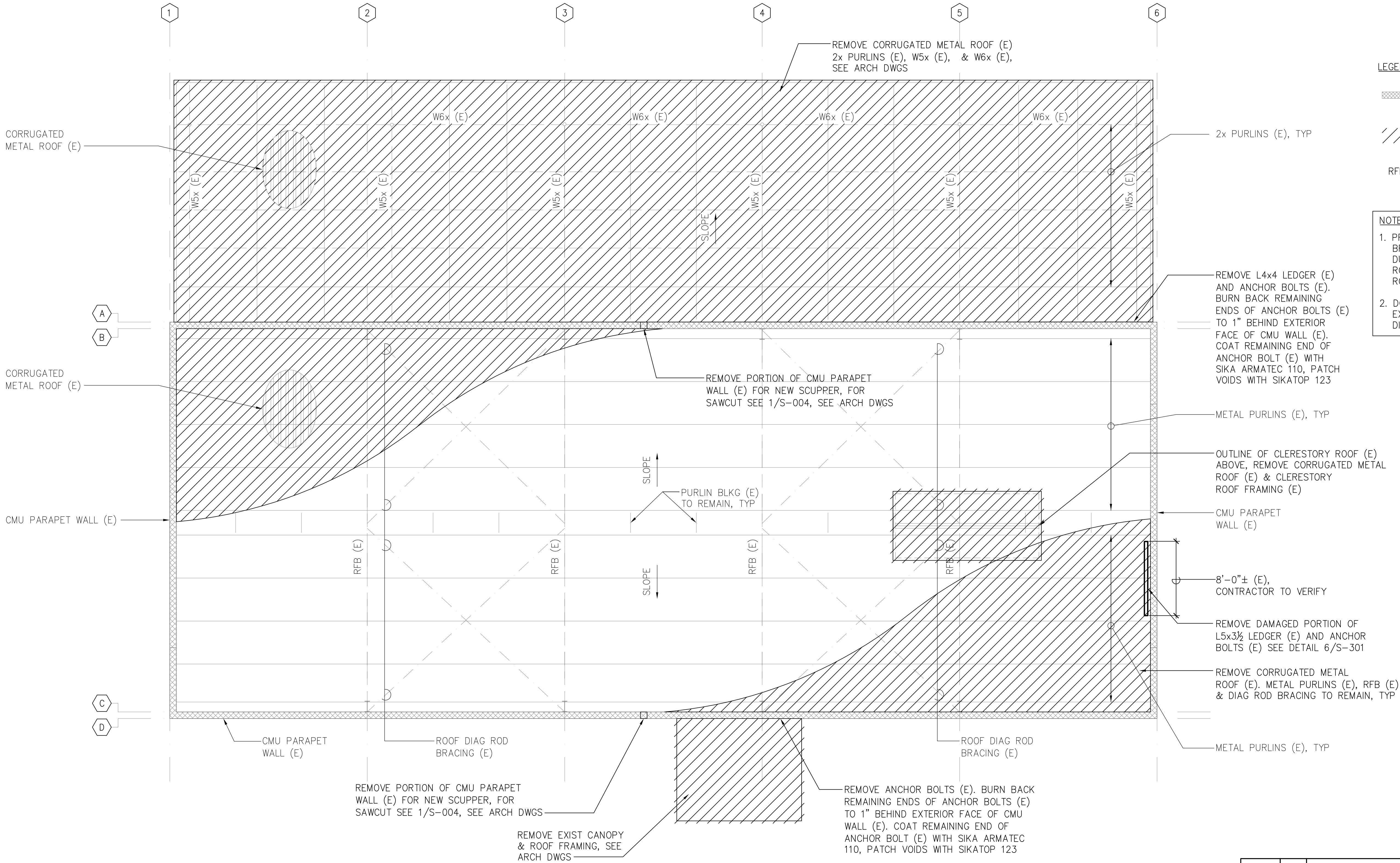
TYPICAL METAL ROOF DECK FASTENING SCHEDULE

NOT TO SCALE

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
		STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION			
		HAWAII DISTRICT LAND OFFICE HILO, HAWAII			
		TYPICAL DETAILS			
		DESIGNED: BC	SUBMITTED: 		
		DRAWN: IB	DATE: NOV 2022		
		CHECKED: BC	SCALE: AS NOTED		
		APPROVED:  Carty Chang E-signed 2022-11-28 04:17PM HST carty.s.chang@hawaii.gov State of Hawaii Chief Engineer	DRAWING NO. S-005		



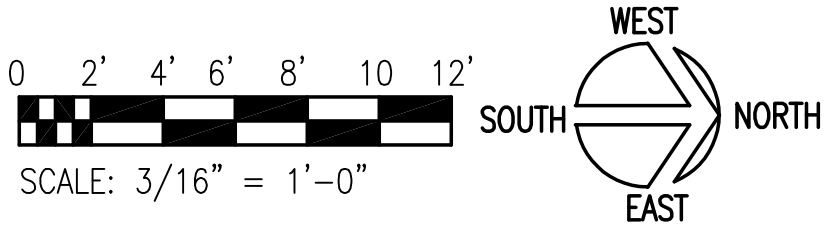




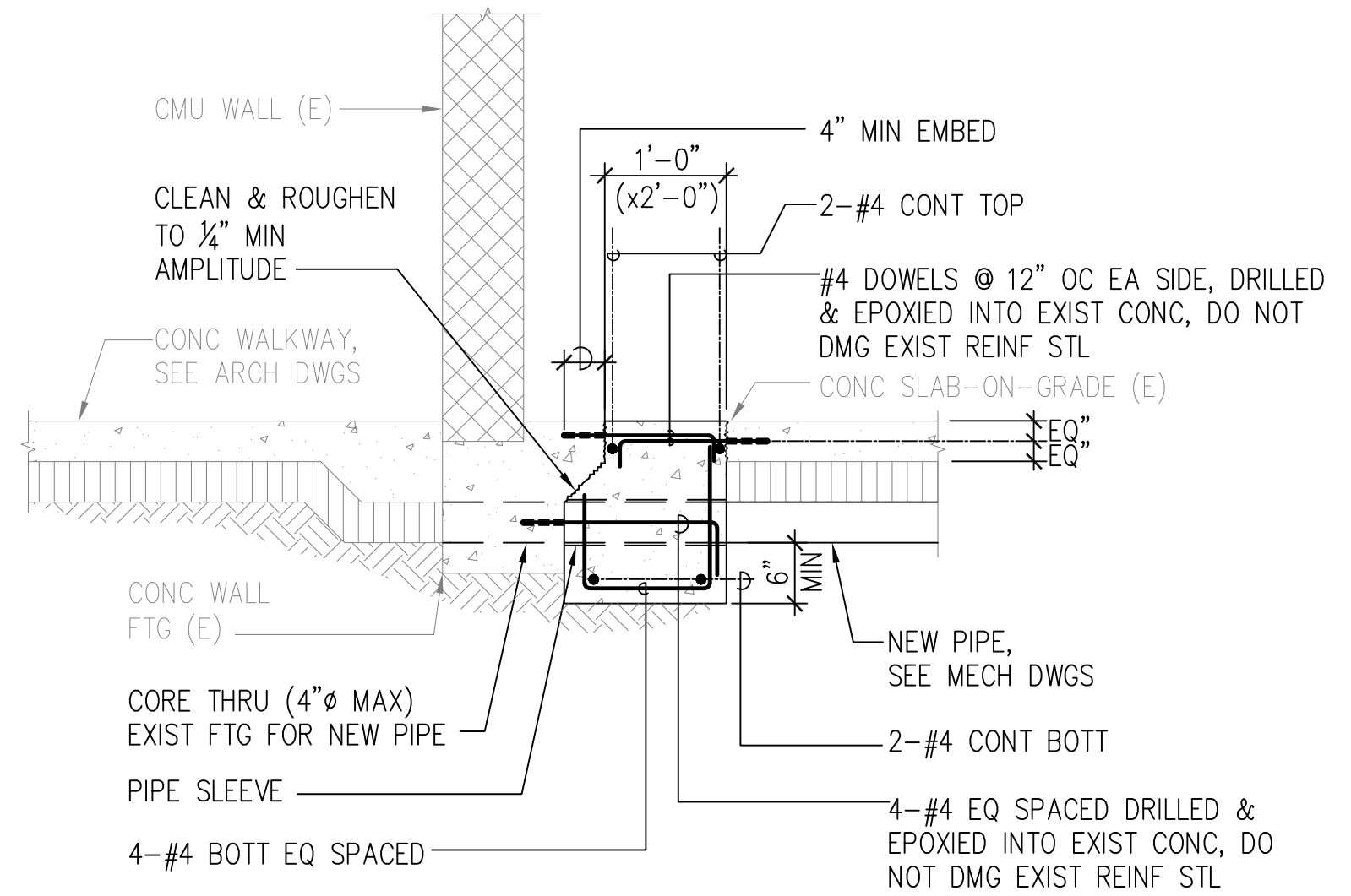
- LEGEND:**
- INDICATES EXIST CMU PARAPET WALL
 - INDICATES PORTION OF EXISTING BUILDING TO BE DEMOLISHED
 - RFB (E) INDICATES EXIST RIGID FRAME BEAM

- NOTES:**
- PROVIDE ADEQUATE TEMPORARY LATERAL BRACING OF EXISTING MASONRY WALLS DURING REMOVAL OF EXISTING METAL ROOF AND INSTALLATION OF NEW METAL ROOF DECK.
 - DO NOT DAMAGE EXIST METAL PURLINS, EXIST RIGID FRAME BEAMS, AND EXIST DIAGONAL ROD BRACING TO REMAIN.

EXISTING ROOF FRAMING DEMOLITION PLAN
SCALE: 3/16" = 1'-0"

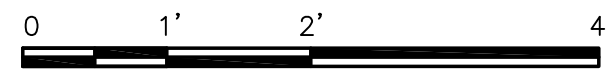


REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
<div><div><p>THIS LICENSE EXPIRES APRIL 30, 2024</p><p>SIGNATURE: <i>Brent K.K. Chang</i></p><p>THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. (OBSERVATION OF CONSTRUCTION AS DEFINED IN CHAPTER 18-115 OF THE HAWAII ADMINISTRATIVE RULES, DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS, ENTITLED PROFESSIONAL ENGINEERS, ARCHITECTS, SURVEYORS AND LANDSCAPE ARCHITECTS)</p></div><div><p>STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION</p><p>HAWAII DISTRICT LAND OFFICE HILO, HAWAII</p><p>EXISTING ROOF FRAMING DEMOLITION PLAN</p></div></div>					
DESIGNED: BC		SUBMITTED: <i>[Signature]</i>			
DRAWN: IB		DATE: NOV 2022			
CHECKED: BC		SCALE: AS NOTED			
APPROVED: <i>[Signature]</i> Carty Chang E-signed 2022-11-28 04:17PM HST carty.s.chang@hawaii.gov State of Hawaii Chief Engineer		DRAWING NO. S-201			

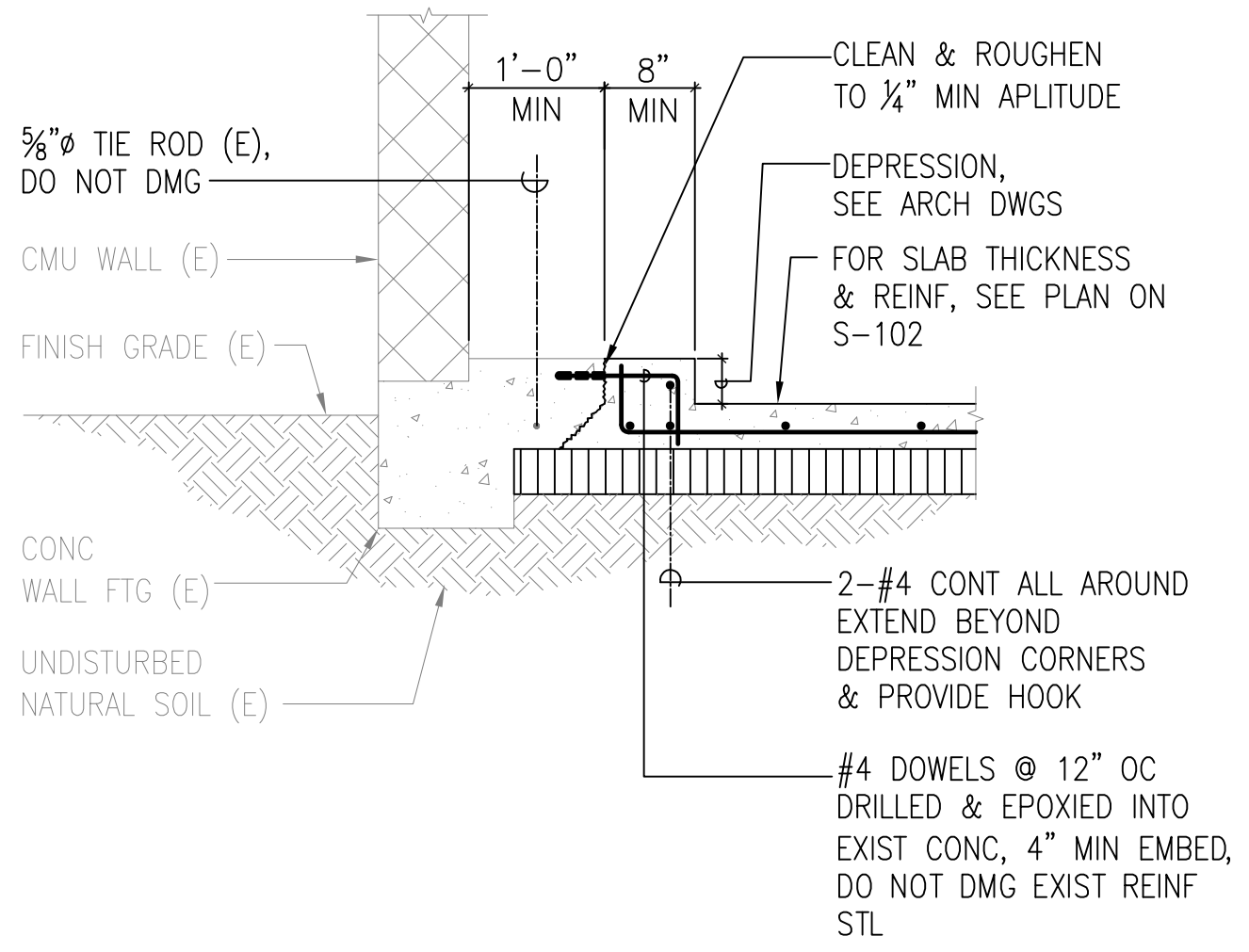


1 SECTION

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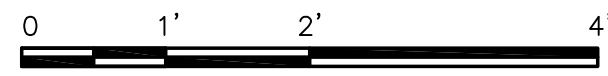


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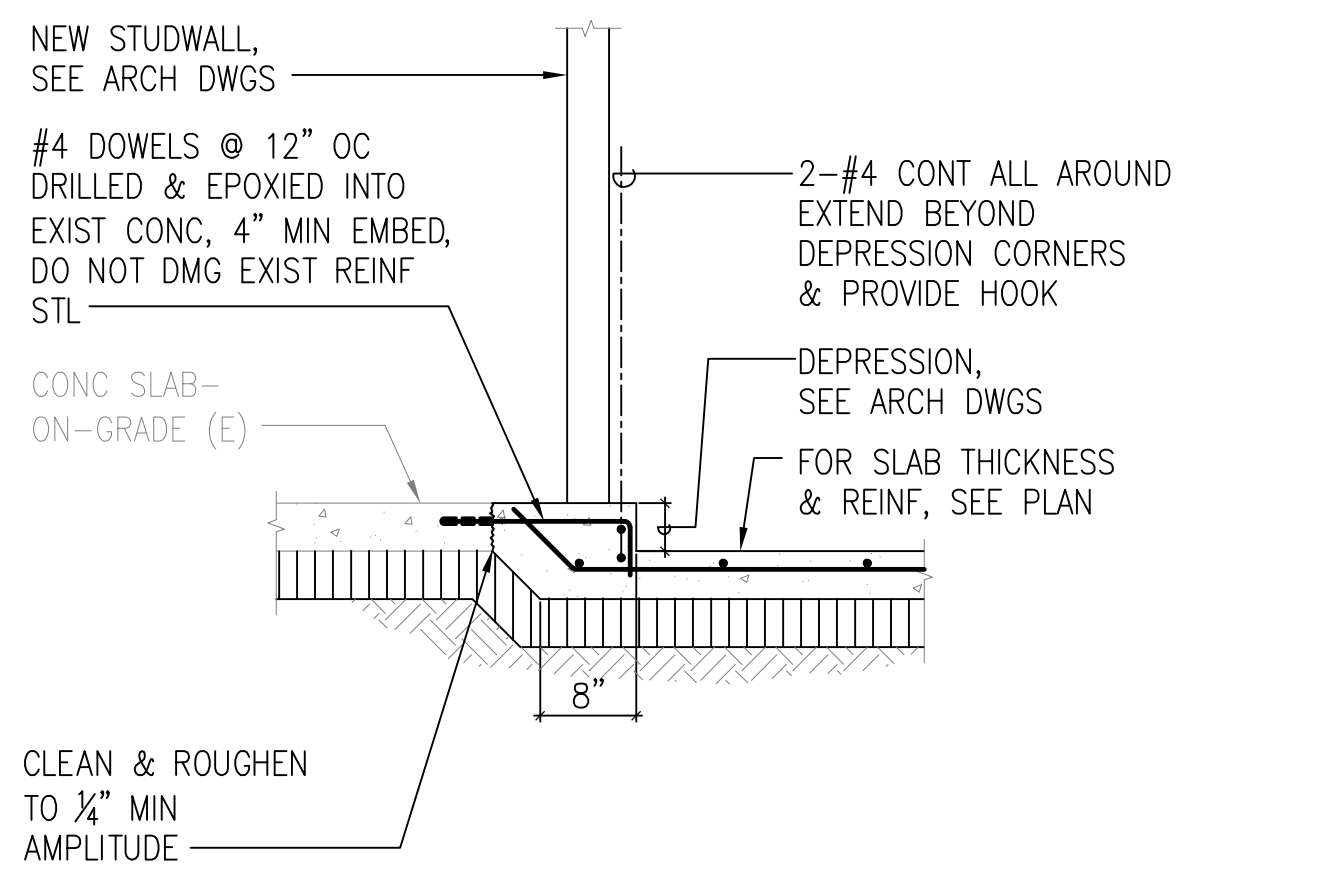


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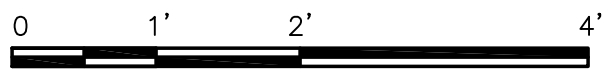


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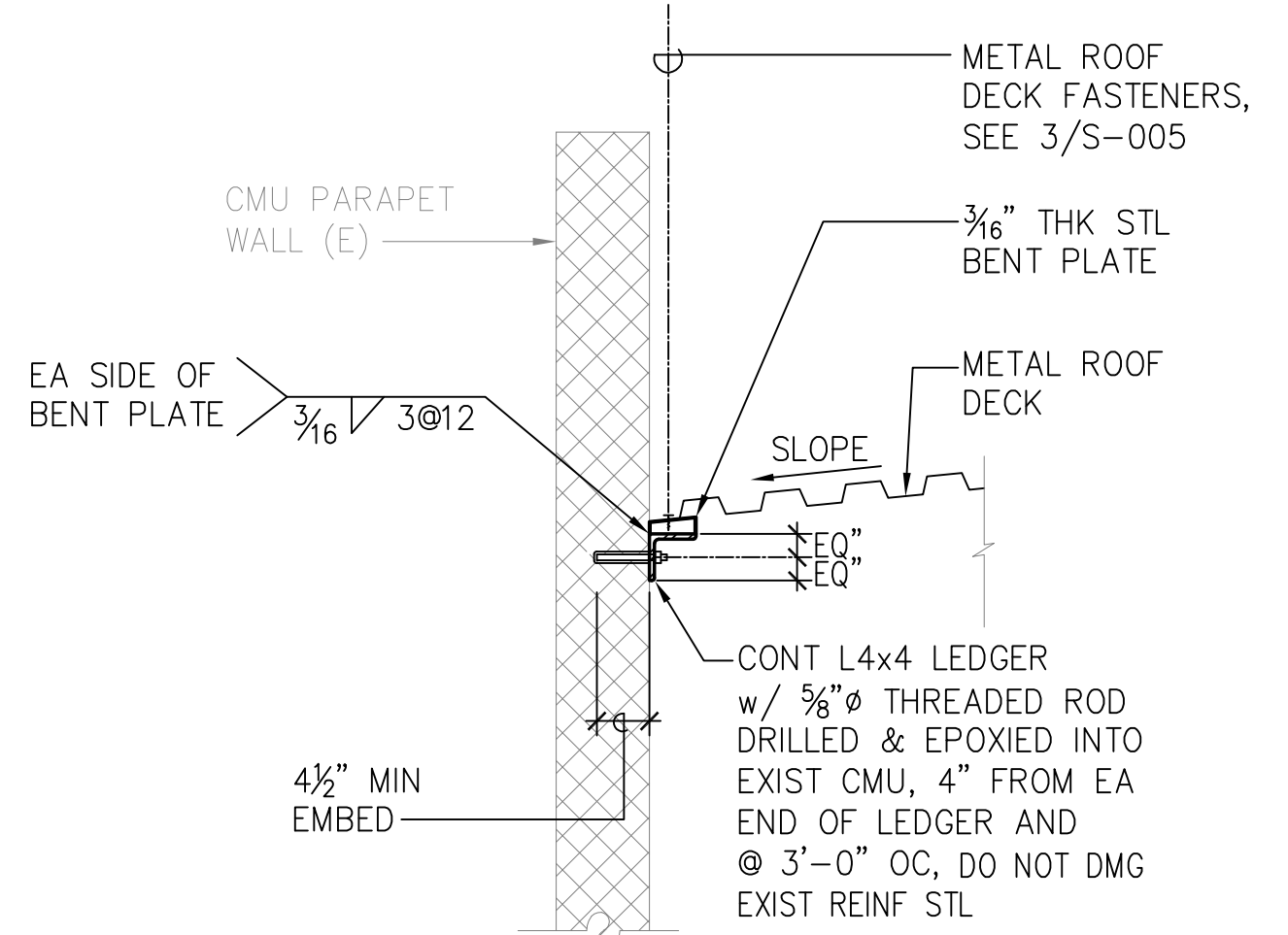


3 SECTION

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



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



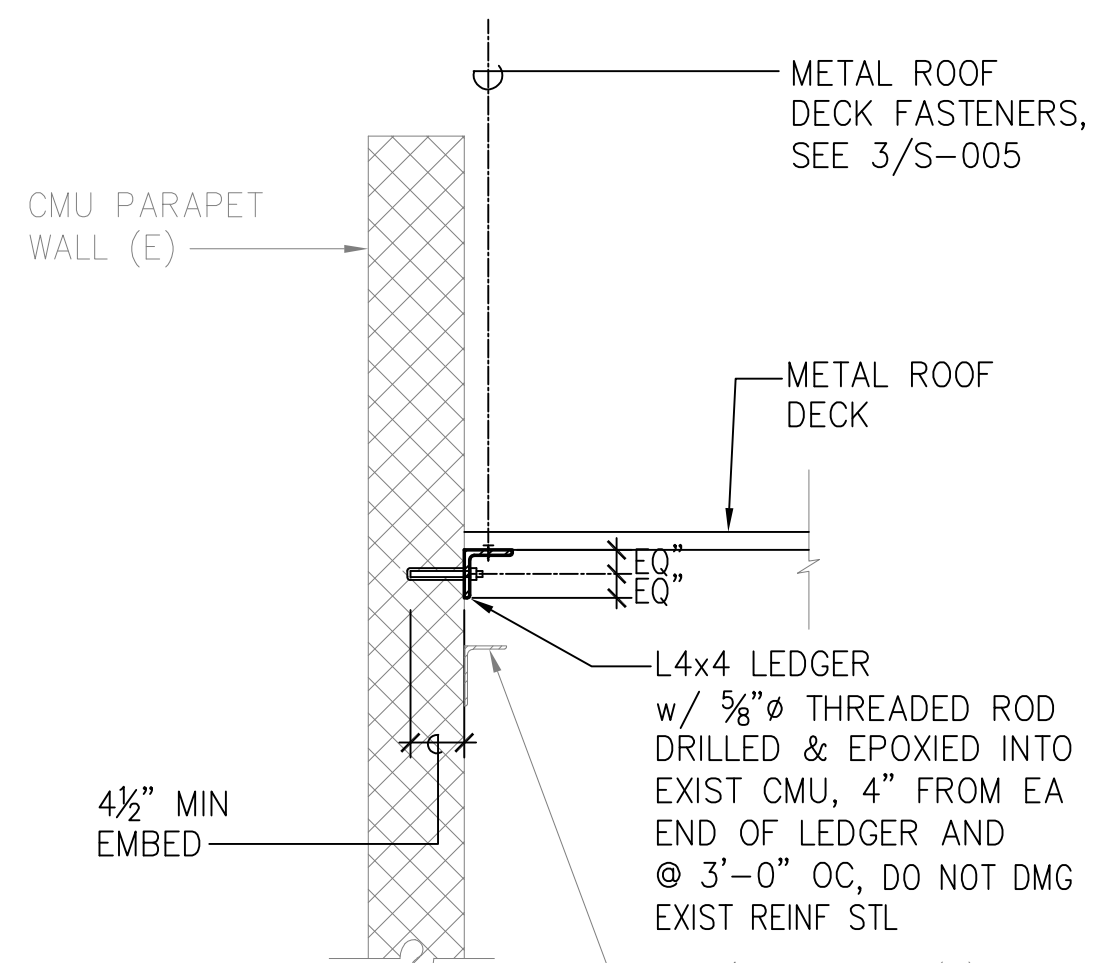
NOTE: ROOFING NOT SHOWN, SEE ARCH DRAWINGS.

4 SECTION

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



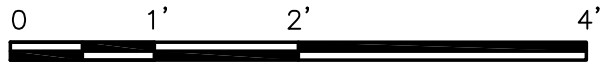
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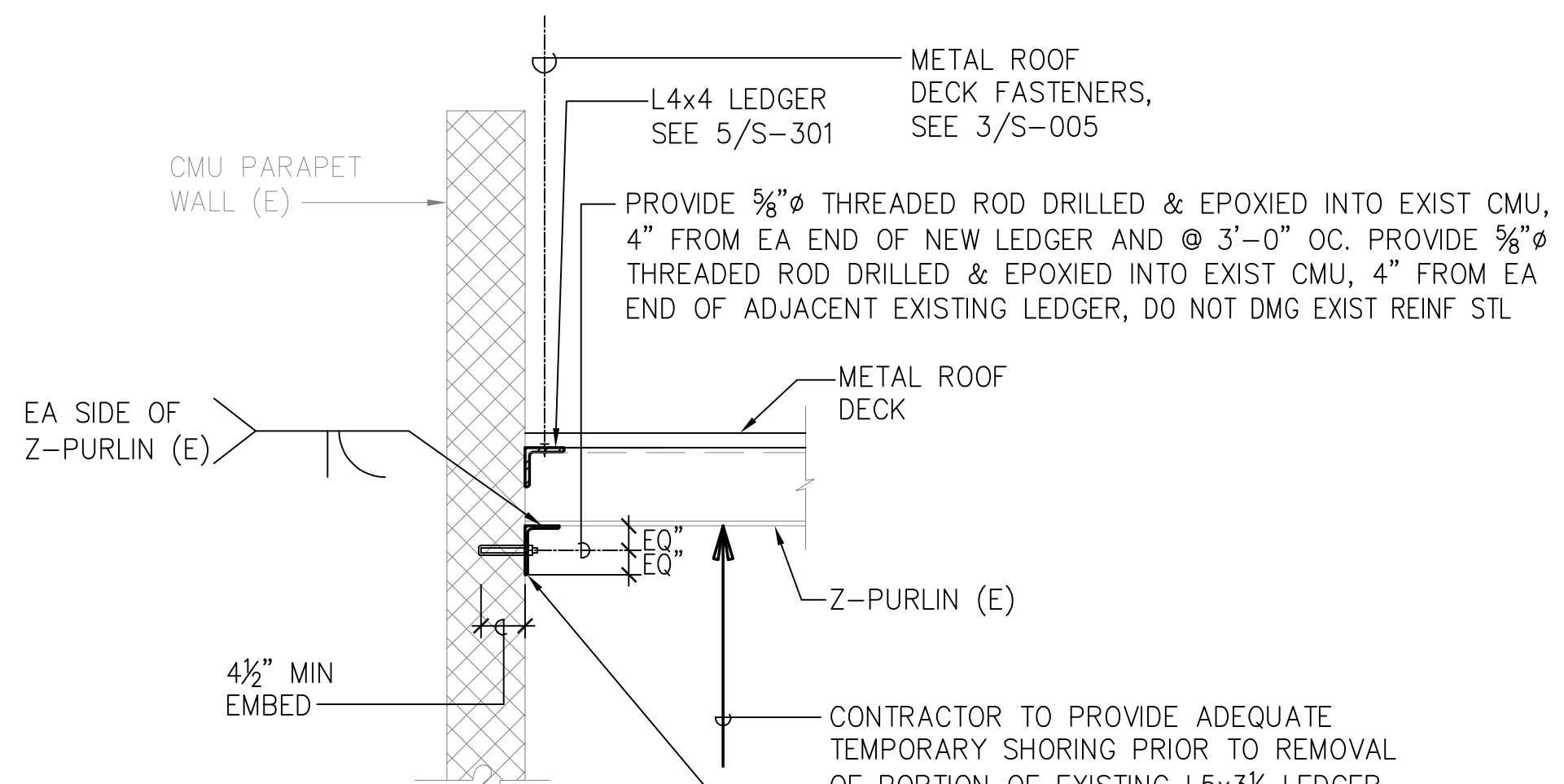
NOTE: ROOFING NOT SHOWN, SEE ARCH DRAWINGS.

5 SECTION

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



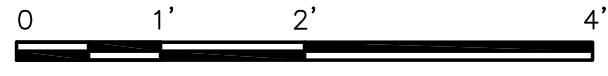
SCALE: 3/4" = 1'-0"



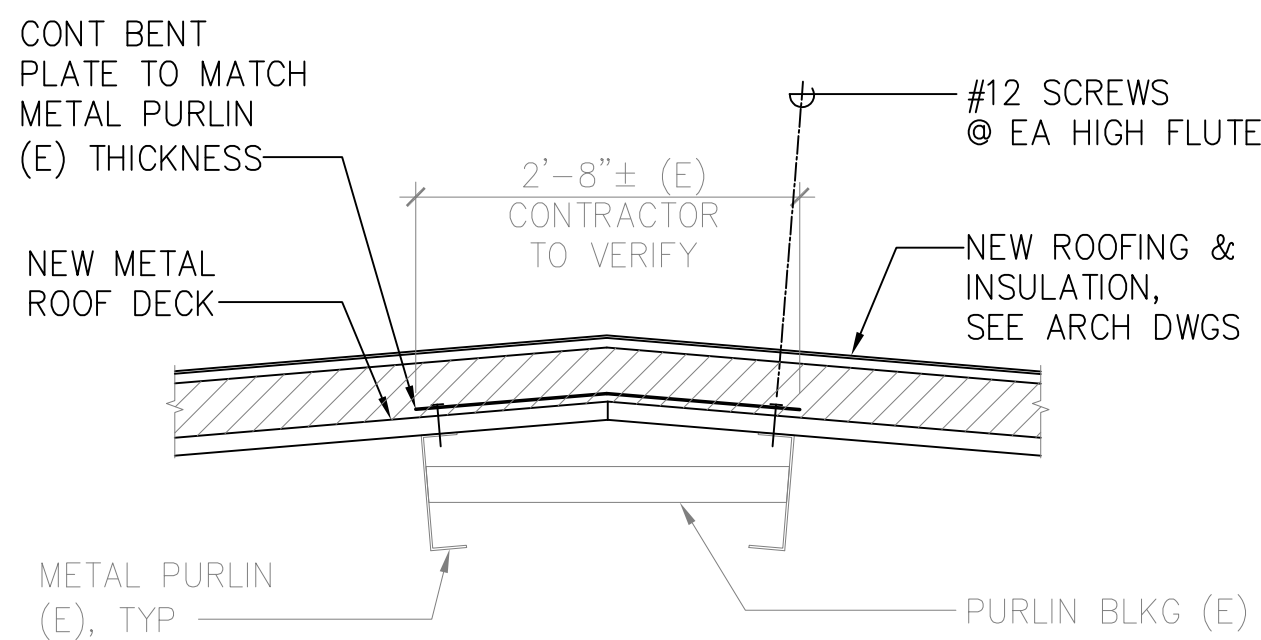
NOTE: ROOFING NOT SHOWN, SEE ARCH DRAWINGS.

6 SECTION

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

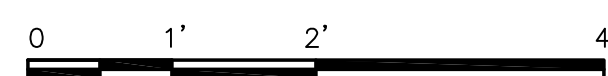


SCALE: 3/4" = 1'-0"



7 SECTION

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



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

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
<div> <div> <p>THIS LICENSE EXPIRES APRIL 30, 2024</p> <p>SIGNATURE: <i>Brent K.K. Chang</i></p> <p>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 CHAPTER 18-115 OF THE HAWAII ADMINISTRATIVE RULES, DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS (ENTITLED PROFESSIONAL ENGINEERS, ARCHITECTS, SURVEYORS AND LANDSCAPE ARCHITECTS))</p> </div> <div> <p>STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION</p> <p>HAWAII DISTRICT LAND OFFICE HILO, HAWAII</p> <p>SECTIONS</p> </div> </div>					
DESIGNED: BC	SUBMITTED: <i>[Signature]</i>		DRAWING NO. S-301		
DRAWN: IB	DATE: NOV 2022				
CHECKED: BC	SCALE: AS NOTED				
APPROVED: <i>Carty Chang</i> Chief Engineer	E-signed 2022-11-28 04:17PM HST carty.s.chang@hawaii.gov State of Hawaii				

GENERAL NOTES:

1. CONFORM TO ALL REQUIREMENTS OF THE 2018 IBC, 2018 UPC, 2018 IECC AND 2012 NFPA 1 CODES OF THE COUNTY OF HAWAII, STATE OF HAWAII HEALTH REGULATIONS, FIRE DEPARTMENT REGULATIONS, MANUFACTURER’S RECOMMENDATIONS AND OTHER APPLICABLE REGULATIONS.
2. EXAMINE ALL PROJECT PLANS AND BECOME FAMILIAR WITH ALL EXISTING CONDITIONS AND THE EXTENT OF REMOVAL, RELOCATION AND/OR NEW WORK PRIOR TO BIDDING. NOTIFY AND COORDINATE WITH THE ARCHITECT/ENGINEER FOR ANY MAJOR DEVIATIONS OR DISCREPANCIES DISCOVERED IN THE PLANS AND SPECIFICATIONS DUE TO UNFORESEEN OR VARYING FIELD CONDITIONS.
3. INSTALLATION SHALL BE GUARANTEED TO BE FREE FROM DEFECTS FOR ONE YEAR FROM FINAL DATE OF ACCEPTANCE OF THE PROJECT AS A WHOLE.
4. CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS PRIOR TO BID AND CONSTRUCTION
5. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING LINE SIZES, CONDITIONS, AND INVERTS PRIOR TO BID AND CONSTRUCTION.
6. 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 AT NO ADDITIONAL COST TO THE STATE.
7. CONTRACTOR SHALL PAY FOR ALL PERMITS AND APPLICATIONS.
8. CAULK ALL PENETRATIONS WATERTIGHT. PROVIDE ALL CUTTING, PATCHING, AND RESTORING OF EXISTING SURFACES TO MATCH ORIGINAL SURFACE FINISHES. SPOT PAINT TO MATCH EXISTING SURFACES/COLOR.
9. PREPARE SIX (6) SETS OF SHOP DRAWINGS SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO THE START OF WORK. NO REPRODUCTIONS OF ANY KIND OF THE CONTRACT DOCUMENTS SHALL BE ACCEPTABLE AS SHOP DRAWINGS. PROVIDE ONE SET OF REPRODUCIBLE AS–BUILT DRAWINGS SHOWING THE ACTUAL INSTALLED CONDITIONS AND SUBMIT TO THE STATE UPON COMPLETION OF WORK.
10. ALL EQUIPMENT AND FIXTURES SHALL BE CAPABLE OF FITTING INTO THE SPACES ALLOTTED WHILE MEETING THE MANUFACTURER’S RECOMMENDED ACCESS REQUIREMENTS. REVIEW ALL SPACES WHERE EQUIPMENT AND FIXTURES ARE TO BE INSTALLED PRIOR TO ORDERING OF ITEMS AND NOTIFY THE ARCHITECT/ENGINEER OF ANY INADEQUATE CLEARANCES OR CONDITIONS THAT WILL PREVENT THE PROPER INSTALLATION, MAINTENANCE, AND OPERATION OF THE EQUIPMENT AND FIXTURES.
11. DRAWINGS ARE DIAGRAMMATIC IN NATURE AND DO NOT SHOW EVERY EXACT DETAIL OF PIPING AND DUCTWORK. PROVIDE OFFSETS AS NECESSARY TO AVOID LOCAL OBSTRUCTIONS OR INTERFERENCES WITH OTHER TRADES. REVIEW ALL PIPING AND DUCT RUNS PRIOR TO FABRICATION AND IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER OF ANY INTERFERENCES AND/OR LACK OF ADEQUATE CLEARANCES.
12. SHOULD PROJECT CONDITIONS REQUIRE REARRANGEMENT OF WORK, MARK SUCH CHANGES ON THE AS–BUILT DRAWINGS. IF THESE CHANGES REQUIRE ALTERNATE METHODS TO THOSE APPROVED BY THE CONTRACT DOCUMENTS, SUBMIT SHOP DRAWINGS SHOWING THE PROPOSED ALTERNATE METHODS TO THE ARCHITECT/ENGINEER FOR REVIEW/APPROVAL PRIOR TO PROCEEDING WITH WORK.
13. COORDINATE ALL SWITCH, THERMOSTAT, FIRE EXTINGUISHER, ETC. LOCATIONS WITH THE STATE/ENGINEER PRIOR TO INSTALLATION TO AVOID INTERFERENCES WITH PAINTING, BULLETIN BOARDS, FURNITURE, ETC. ANY ITEM NOT PROPERLY COORDINATED SHALL BE RELOCATED AT NO ADDITIONAL COST TO THE STATE.
14. ALL STEEL SHALL BE HOT DIPPED GALVANIZED. GALVANIZED STEEL EXPOSED TO WEATHER SHALL HAVE WEATHER PROOF PAINT TO MATCH SURFACES. PROVIDE TWO EXTRA COATS OF EPOXY PAINT.
15. ALL ELECTRICAL AND CONTROL WIRING SHALL BE IN CONDUIT. PROVIDE GALVANIZED STEEL PIPE CONDUIT FOR EXPOSED TO WEATHER CONDUIT.
16. ALL DUCT DIMENSIONS SHOWN ARE NET DIMENSIONS.
17. PROVIDE DUCTWORK REDUCER FITTINGS AT AIR DEVICE CONNECTIONS AS REQUIRED.
18. PROVIDE OPPOSED BLADE VOLUME DAMPERS AND STAINLESS STEEL BIRDSCREENS FOR ALL OUTSIDE AIR DUCTS AND LOUVERS.
19. ALL SWITCHES, TIMECLOCKS, THERMOSTATS, AND CONTROL ITEMS SHALL BE ADA ACCESSIBLE AND SHALL BE MOUNTED AT 44” AFF AS PER ADA REQUIREMENTS OR ACCORDING TO THE STATE’S INSTRUCTIONS.
20. PROVIDE REBALANCING DURING ONE YEAR GUARANTEE PERIOD TO SATISFY USER’S REQUIREMENTS. CONTRACTOR SHALL PROVIDE TEST AND BALANCING REPORTS.
21. COORDINATE ALL WORK WITH OTHER TRADES TO AVOID INTERFERENCES AND DELAYS.
22. EXISTING PLUMBING/STORM DRAIN/CONDUITS SHALL BE REHUNG/REROUTED AS REQUIRED TO ACCOMMODATE NEW HVAC EQUIPMENT AND DUCTWORK. VERIFY ALL WASTE AND WATER INVERTS, LOCATIONS, SIZES, AND CONDITIONS OF PIPING.
23. ALL HVAC DUCTWORK SHALL HAVE EITHER TURNING VANES OR RADIUS ELBOWS AT EACH BEND OR ELBOW WHETHER SHOWN ON THE DRAWINGS OR NOT.
24. SEISMICALLY BRACE ALL EQUIPMENT, PIPING, AND DUCTWORK IN ACCORDANCE WITH THE CURRENT BUILDING CODE AND THEIR RESPECTIVE SEISMIC ZONE LOCATIONS.
25. 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. AT NO COST TO THE STATE.
26. PROVIDE DIELECTRIC UNIONS OR SEPARATIONS AT ALL DISSIMILAR METALS. PROVIDE UNIONS AFTER ALL SHUTOFF VALVES
27. PROVIDE ACCESS PANELS FOR ALL ITEMS UNDER THIS SECTION REQUIRING SERVICING, INSPECTION, MAINTENANCE, AND ADJUSTMENT.
28. PROVIDE ESCUTCHEON PLATES AT ALL EXPOSED WALL PENETRATIONS IN FINISHED AREAS, EXTERIOR WALL, ETC.

29. ALL PENETRATIONS THRU EXISTING WALLS, FOUNDATIONS, AND FLOOR SLABS SHALL BE IN TOTAL COMPLIANCE WITH ARCHITECTURAL/STRUCTURAL PROCEDURES AND DRAWINGS.
30. ALL PENETRATIONS THRU RATED WALLS AND CEILINGS SHALL BE EQUIPPED WITH APPROVED FIRE STOPPING AND OR FIRE & SMOKE DAMPERS.
31. DRAWING FILES WILL NOT BE AVAILABLE TO CONTRACTORS FOR SHOP DRAWINGS OR ANY OTHER PURPOSE.
32. PROVIDE ISOLATION VALVES ON PIPING BRANCH LINES AND VOLUME DAMPERS ON DUCTWORK BRANCH LINES WHETHER SHOWN ON THE DRAWINGS OR NOT.
33. CONTRACTOR SHALL SCHEDULE, TAG, AND LABEL ALL VALVES AND PIPING. ALL PIPING SHALL ALSO BE LABELED WITH DIRECTION OF FLOW.
34. ALL EXTERIOR NUTS, BOLTS, AND SCREWS, WASHERS, FASTENERS, SUPPORTS STRAPS, ETC. SHALL BE TYPE 316 STAINLESS STEEL.
35. VERIFY AND COORDINATE ALL ROOF, WALL, AND FLOOR PENETRATIONS WITH THE ARCHITECTURAL AND STRUCTURAL DRAWINGS PRIOR TO THE START OF CONSTRUCTION.
36. OBTAIN APPROVAL FROM OFFICER–IN–CHARGE BEFORE MAKING ANY PENETRATIONS THROUGH STRUCTURAL MEMBERS, WALLS, AND SLABS REQUIRED FOR MECHANICAL WORK THAT DOES NOT HAVE THE PRIOR OPENING.
37. PATCH AND PAINT ALL EXPOSED MATERIAL, INCLUDING DUCTWORK, TO MATCH ADJACENT SURFACES OR AS INDICATED.
38. DAMAGES FROM REMOVAL AND INSTALLATION OF ANY MECHANICAL ITEMS SHALL BE REPAIRED/PATCHED AND PAINTED TO MATCH EXISTING.
39. PARTIAL SUBMITTALS AND SHOP DRAWINGS ARE NOT ACCEPTABLE AND WILL BE RETURNED WITHOUT REVIEW.

FIXTURE UNIT COUNT				
DEMO				
FIXTURE	QTY	F.U. EACH	SUBTOTAL F.U.	
WATER CLOSET (FT) (WC)	2	1.7	3.4	
LAVATORY (ALAV)	2	0.6	1.2	
HAND SINK (HS)	1	0.6	0.6	
URINAL	1	1.7	1.7	
HOSE BIBB	1	2.5	2.5	
HOSE BIBB (ADD)	4	1.0	4.0	
TOTAL			13.4 FU 15.0 GPM 900 GPD	

NEW				
FIXTURE	QTY	F.U. EACH	SUBTOTAL F.U.	
WATER CLOSET (FT) (WC)	1	1.7	1.7	
LAVATORY (LAV)	1	0.6	0.6	
KITCHEN SINK (SK)	1	1.6	1.6	
MOP SINK	1	2.0	2.0	
HOSE BIBB	1	2.5	2.5	
HOSE BIBB (ADD)	3	1.0	3.0	
TOTAL			11.4 FU 14.0 GPM 840 GPD	

MECHANICAL LEGEND

SYMBOL	ABBREV.	DESCRIPTION
GENERAL		
	AFF	ABOVE FINISHED FLOOR
	BFF	BELOW FINISHED FLOOR
	DN	DOWN
	EA	EACH
(E)		EXISTING
(N)		NEW
	NTS	NOT TO SCALE
	POC	POINT OF CONNECTION
(R)		REMOVE
	(TYP)	TYPICAL
HVAC		
— CD —	ACCU	AIR COOLED CONDENSING UNIT
	CD	CONDENSATE DRAIN
	CFM	CUBIC FEET PER MINUTE
	DT	DUCT
	EA	EXHAUST AIR
☒	EAR	EXHAUST AIR REGISTER
	EF	EXHAUST FAN
	FCU	FAN COIL UNIT
~		FLEX DUCTWORK
—◄	F.D.	FIRE DAMPER
	NK	NECK
	OA	OUTSIDE AIR
—┐	OBVD	OPPOSED BLADE VOLUME DAMPER
☒	RAR	RETURN AIR REGISTER
☒	SAD	SUPPLY AIR DIFFUSER
	SAR	SUPPLY AIR REGISTER
Ⓡ	T–STAT	THERMOSTAT
└┐	TV	TURNING VANES
	U/D	UNDERCUT DOOR
PLUMBING		
	A–	ACCESSIBLE
	ASK	ACCESSIBLE SINK
	COTG	CLEAN OUT TO GRADE
— — — —	CW	COLD WATER
—◊—	FCO	FLOOR CLEANOUT
	FD	FLOOR DRAIN
	GPD	GALLONS PER DAY
	GPM	GALLONS PER MINUTE
+3	HB	HOSE BIBB
— — — —	HW	HOT WATER
	IEWH	INSTANTANEOUS ELECTRIC WATER HEATER
	LAV	LAVATORY
—	MS	MOP SINK
—	S	SANITARY/WASTE
	SK	SINK
⋈	SOV	SHUT OFF VALVE
	UR	URINAL
— — — —	V	VENT
☒	VTR	VENT THRU ROOF
	WC	WATER CLOSET
	WCO	WALL CLEANOUT
FIRE PROTECTION		
⊗	FE	FIRE EXTINGUISHER
⊕	FS	CONCEALED FIRE SPRINKLER HEAD
— ■ — ■ —		FIRE RATED PARTITION

HAWAI’I COUNTY ENERGY CODE

2018 IECC, HAWAI’I REVISED STATUTES HRS 107–24 TO 28 & HAWAI’I ADMINISTRATIVE RULES HAR 3–181.1

COMMERCIAL BUILDING ENERGY EFFICIENCY STANDARDS

I CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE, THIS PROJECTS DESIGN SUBSTANTIALLY CONFORMS TO THE BUILDING ENERGY EFFICIENCY STANDARDS PERTAINING TO THE COMMERCIAL PROVISIONS FOR MECHANICAL SYSTEMS (C403, C404, AND C405) OF THE 2018 IECC WITH AMENDMENTS PER HAR 3–181.1:

STATE AMENDMENTS: EFFECTIVE FOR NEW APPLICANTS BEGINNING 09/01/2021
COUNTY AMENDMENTS: PENDING

COMPLIANCE METHOD

- ☒ 2018 IECC AS AMENDED. MANDATORY & PRESCRIPTIVE
- ☐ 2018 IECC AS AMENDED. MANDATORY & TOTAL BUILDING PERFORMANCE
- ☐ ASHRAE STANDARD 90.1–2016. MANDATORY & PRESCRIPTIVE
- ☐ ASHRAE STANDARD 90.1–2016. MANDATORY & ENERGY COST BUDGET

INFORMATION IN CONSTRUCTION DOCUMENTS
HVAC SYSTEMS

EQUIPMENT CAPACITY AND EFFICIENCY. C403.3
THERMOSTATIC CONTROLS. C403.4
GUEST ROOM DOOR SWITCHES. C403.2.3
VENTILATION RATE. C403.7
DEMAND CONTROL VENTILATION CONTROLS. C403.7.1
ENCLOSED PARKING GARAGE VENTILATION CONTROLS. C403.7.2
ENERGY RECOVERY VENTILATION SYSTEM. C403.7.4
KITCHEN EXHAUST SYSTEMS. C403.7.5
DUCT AND PLENUM INSULATION THICKNESS/R–VALUE. C403.11.1
DUCT AND PLENUM SEALING REQUIREMENTS. C403.11.1
PIPE INSULATION THICKNESS/R–VALUE. C403.2.11.3
FAN MOTOR HORSEPOWER. C403.8.1
FAN EFFICIENCY. C403.8.3
FAN MOTOR EFFICIENCY. C405.7
PUMP MOTOR EFFICIENCY. C405.7
VARIABLE FLOW FAN CONTROL. C403.8.5
STATIC PRESSURE SENSOR LOCATION C403.6.9
STATIC PRESSURE RESET CONTROL. C403.6.8
CHILLED WATER VARIABLE FLOW CONTROL. C403.4.4
CHILLER ISOLATION. C403.4.5
COOLING TOWER FAN CONTROL. C403.9
TERMINAL UNIT MINIMUM AND MAXIMUM AIRFLOW. C403.6
COMMISSIONING REQUIREMENTS. C408.2

YES	N/A
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REFRIGERATION

REFRIGERATION EQUIPMENT EFFICIENCY. C403.10
WALK–IN COOLERS AND FREEZERS. C403.10.1 C403.10.2, & C403.10.4
REFRIGERATED WAREHOUSES. C403.10.1 & C403.10.4
REFRIGERATED DISPLAY CASES. C403.10.3 & C403.10.4

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SERVICE WATER HEATER

HEAT RECOVERY FOR SERVICE WATER HEATING. C403.9.5
EQUIPMENT CAPACITY AND EFFICIENCY. C404.2
PIPE INSULATION. C404.4
HOT WATER PIPE LENGTH/VOLUME. C404.5
HOT WATER CIRCULATION CONTROLS. C404.6
HEATED POOL AND SPA COVERS. C404.9.3
COMMISSIONING REQUIREMENTS. C408.2

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NOTES

SIGNATURE: _____ DATE: 11/07/2022

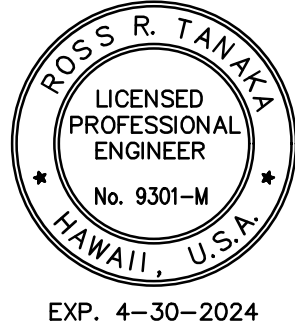
NAME: _____ ROSS R. TANAKA

TITLE: _____ VICE PRESIDENT

LICENSE NO.: _____ 9301–M

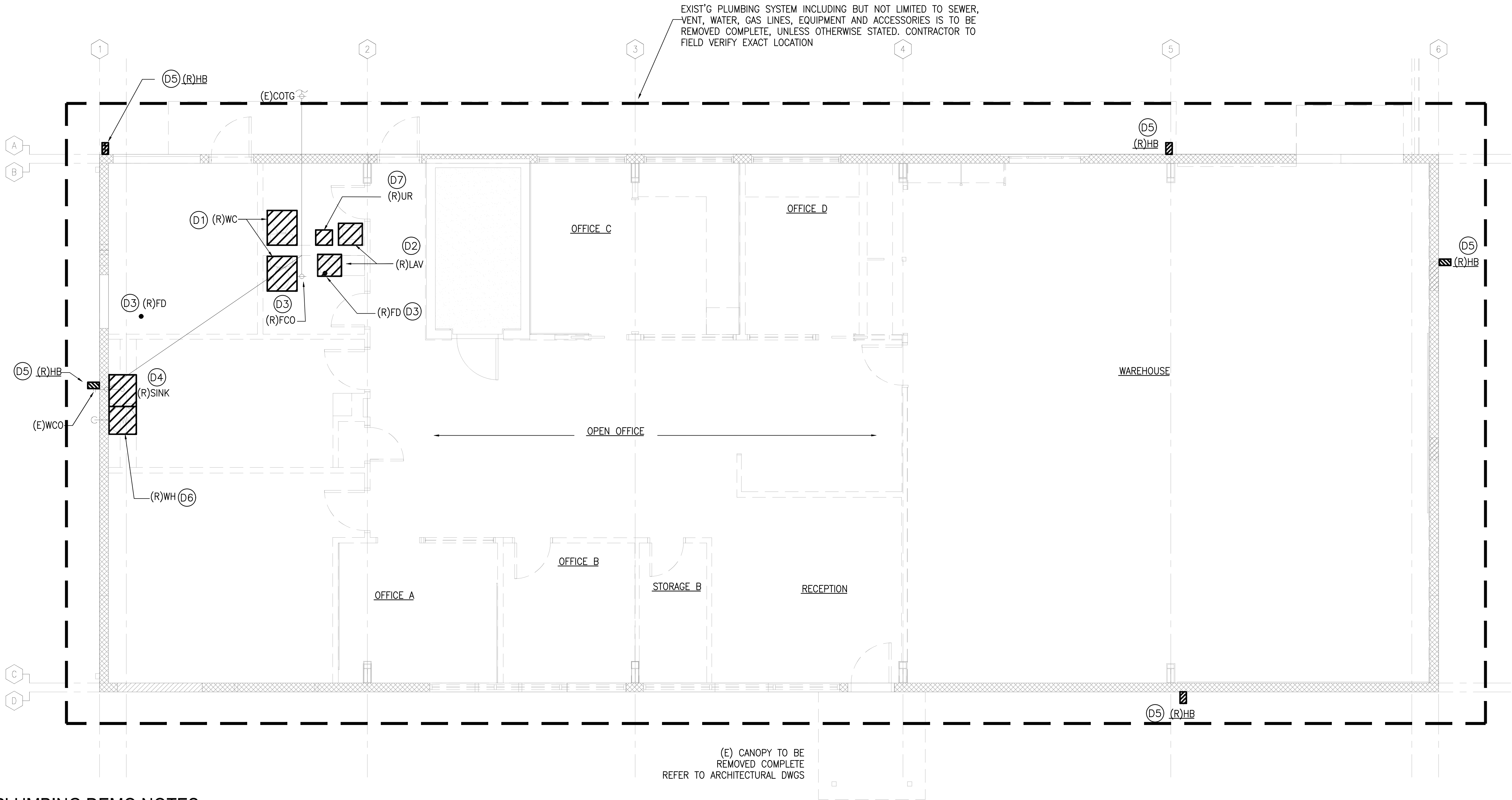
PROJECT NAME: _____ HAWAII DISTRICT LAND OFFICE

PROJECT TMK: (3) _____ 2–2–032:011



EXP. 4–30–2024

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
<div><div><div><div>ROSS R. TANAKA LICENSED PROFESSIONAL ENGINEER No. 9301–M HAWAII, U.S.A.</div><div>EXPIRATION DATE: 4/30/2024 <i>R. Tanaka</i> SIGNATURE</div><div>THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. OBSERVATION OF CONSTRUCTION AS REQUIRED IN CHAPTER 18–119 OF THE HAWAII ADMINISTRATIVE RULES, DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS. ENTITLED PROFESSIONAL ENGINEERS, ARCHITECTS, SURVEYORS AND LANDSCAPE ARCHITECTS.</div></div><div>APPROVED: RRT Carty Chang E-signed 2022-11-28 04:17PM HST carty.s.chang@hawaii.gov State of Hawaii Chief Engineer</div></div><div><div>STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION</div><div>HAWAII DISTRICT LAND OFFICE HILO, HAWAII</div><div>GENERAL NOTES</div><div>DESIGNED: MEI DRAWN: MEI CHECKED: RRT APPROVED: RRT</div><div>SUBMITTED: <i>[Signature]</i> DATE: NOVEMBER 2022 SCALE: AS NOTED</div><div>DRAWING NO. M-001</div></div></div>					
DESIGNED: MEI			SUBMITTED: <i>[Signature]</i>		
DRAWN: MEI			DATE: NOVEMBER 2022		
CHECKED: RRT			SCALE: AS NOTED		
APPROVED: RRT			DRAFTING NO.		
CARTY CHANG E-SIGNED 2022-11-28 04:17PM HST carty.s.chang@hawaii.gov State of Hawaii Chief Engineer			M-001		



PLUMBING DEMO NOTES:

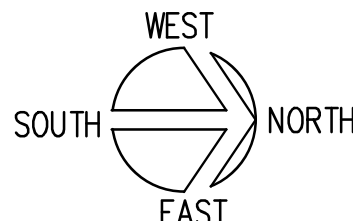
- (D1) EXISTING WATER CLOSET TO BE REMOVED COMPLETELY. EXISTING PLUMBING LINES (WATER, VENT, WASTE) TO BE CUT AND CAPPED AS REQUIRED TO ACCOMMODATE NEW ARCHITECTURAL LAYOUT. CONTRACTOR TO FIELD VERIFY.
- (D2) EXISTING LAVATORY TO BE REMOVED COMPLETELY. EXISTING PLUMBING LINES (WATER, VENT, WASTE) TO BE CUT AND CAPPED AS REQUIRED TO ACCOMMODATE NEW ARCHITECTURAL LAYOUT. CONTRACTOR TO FIELD VERIFY.
- (D3) EXISTING FLOOR DRAIN, FLOOR CLEAN OUT TO BE REMOVED COMPLETELY. EXISTING PLUMBING LINES TO BE CUT AND CAPPED AS REQUIRED TO ACCOMMODATE NEW ARCHITECTURAL LAYOUT. CONTRACTOR TO FIELD VERIFY.
- (D4) EXISTING SINK TO BE REMOVED COMPLETELY. EXISTING PLUMBING LINES TO BE CUT AND CAPPED AS REQUIRED TO ACCOMMODATE NEW ARCHITECTURAL LAYOUT. CONTRACTOR TO FIELD VERIFY.
- (D5) EXISTING HOSE BIBB WITH ASSOCIATED WATER LINE TO BE REMOVED COMPLETELY TO ACCOMMODATE NEW ARCHITECTURAL LAYOUT. CONTRACTOR TO FIELD VERIFY.
- (D6) EXISTING WATER HEATER TO BE REMOVED COMPLETELY. EXISTING PLUMBING LINES TO BE CUT AND CAPPED. CONTRACTOR TO FIELD VERIFY.
- (D7) EXISTING URINAL TO BE REMOVED COMPLETELY. EXISTING PLUMBING LINES TO BE CUT AND CAPPED AS REQUIRED TO ACCOMMODATE NEW ARCHITECTURAL LAYOUT. CONTRACTOR TO FIELD VERIFY.

1
M-101

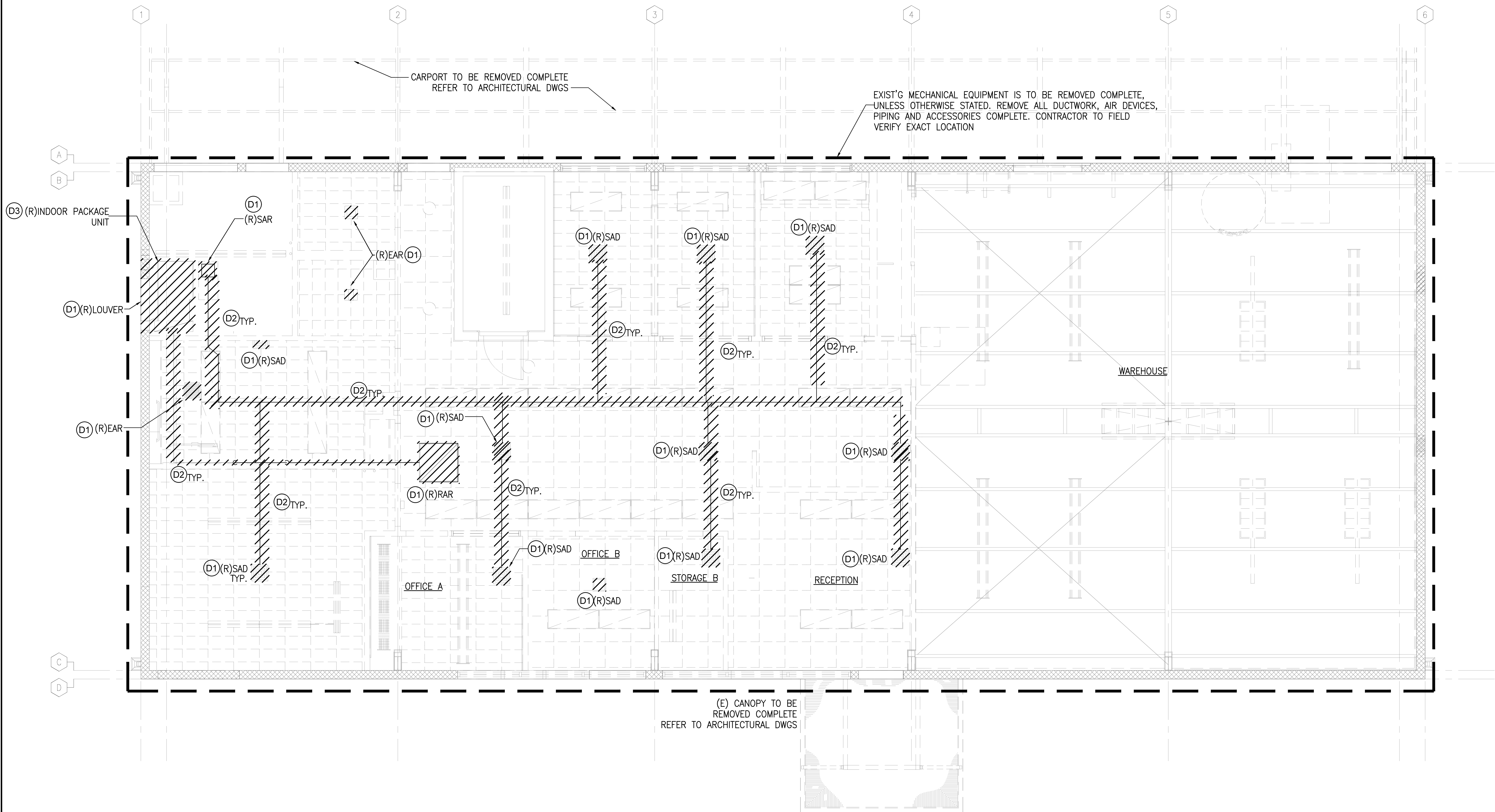
PLUMBING DEMOLITION PLAN

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

0 2' 4' 8'
SCALE: 1/4" = 1'-0"



REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION					
HAWAII DISTRICT LAND OFFICE HILO, HAWAII					
PLUMBING DEMOLITION PLAN					
DESIGNED: MEI		SUBMITTED:			
DRAWN: MEI		DATE: NOVEMBER 2022			
CHECKED: RRT		SCALE: AS NOTED			
APPROVED: RRT		Carty Chang E-signed 2022-11-28 04:17PM HST carty.s.chang@hawaii.gov State of Hawaii		DRAWING NO. M-101	
CHIEF ENGINEER		Chief Engineer			



MECHANICAL DEMOLITION NOTES:

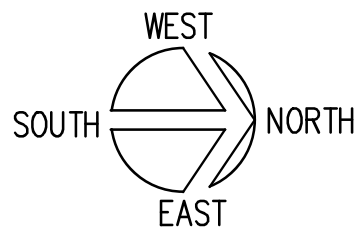
- (D1) EXIST'G AIR DEVICE TO BE REMOVED COMPLETE. REMOVE ALL DUCTWORK, PIPING AND ACCESSORIES COMPLETE. CONTRACTOR TO FIELD VERIFY EXACT LOCATION.
- (D2) EXIST'G DUCTWORK TO BE REMOVED COMPLETE. REMOVE ALL PIPING AND ACCESSORIES COMPLETE. CONTRACTOR TO FIELD VERIFY EXACT LOCATION.
- (D3) EXIST'G MECHANICAL EQUIPMENT IS TO BE REMOVED COMPLETE, UNLESS OTHERWISE STATED. REMOVE ALL DUCTWORK, AIR DEVICES, PIPING AND ACCESSORIES COMPLETE. CONTRACTOR TO FIELD VERIFY EXACT LOCATION.

1
M-102

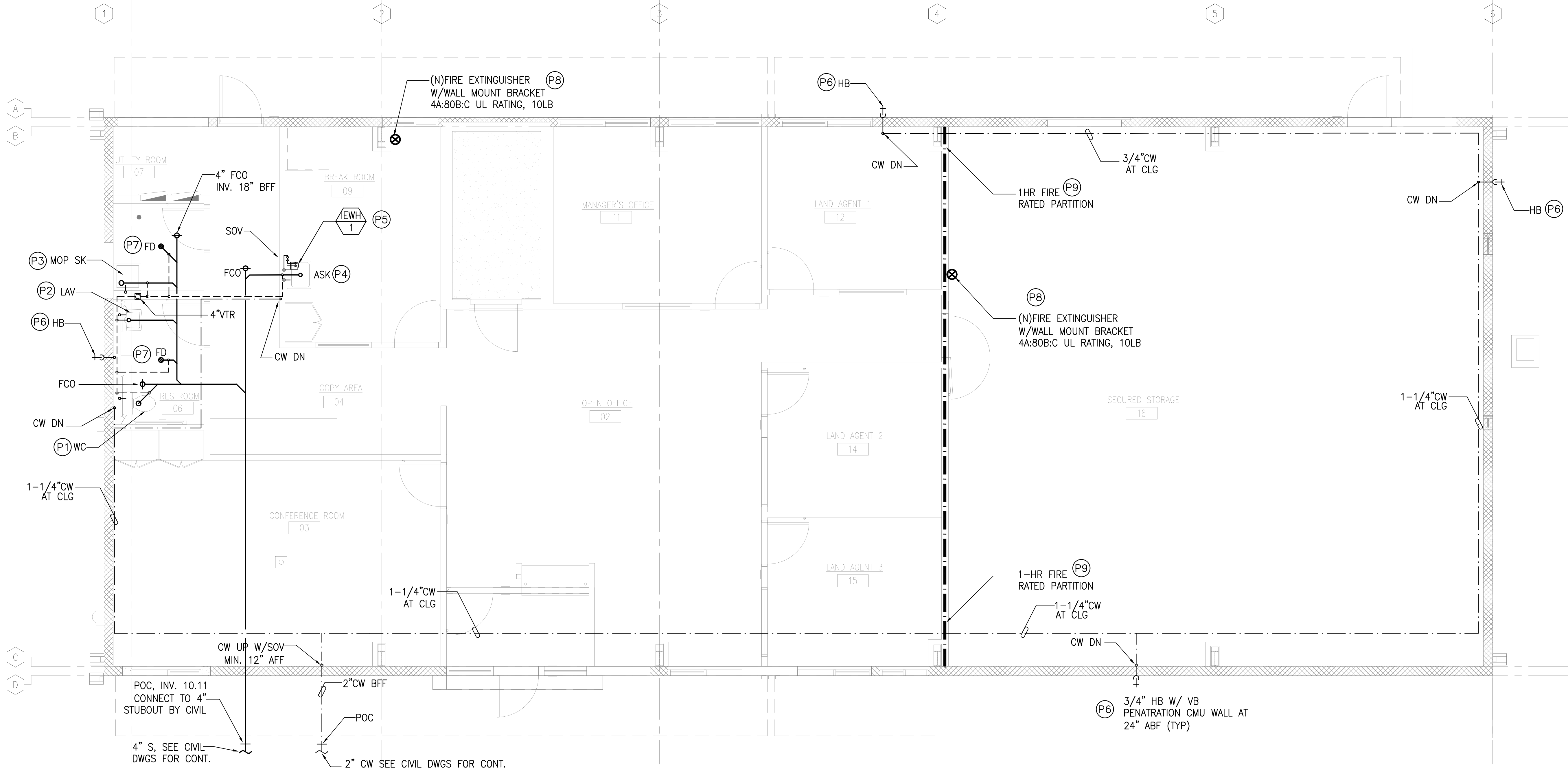
MECHANICAL DEMOLITION PLAN

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

0 2' 4' 8'
SCALE: 1/4" = 1'-0"



REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION					
HAWAII DISTRICT LAND OFFICE HILO, HAWAII					
MECHANICAL DEMOLITION PLAN					
DESIGNED: MEI		SUBMITTED:			
DRAWN: MEI		DATE: NOVEMBER 2022			
CHECKED: RRT		SCALE: AS NOTED			
APPROVED: RRT		Carty Chang E-signed 2022-11-28 04:17PM HST carty.s.chang@hawaii.gov State of Hawaii		DRAWING NO. M-102	
CHIEF ENGINEER					

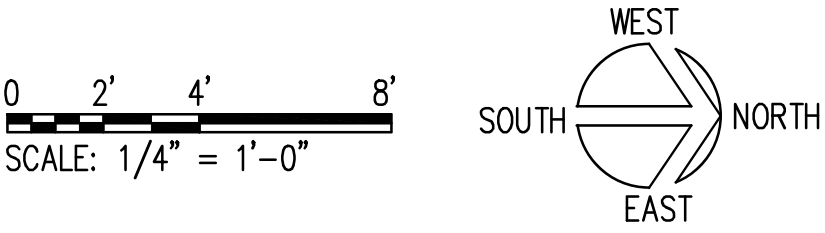


NEW PLUMBING WORK NOTES:

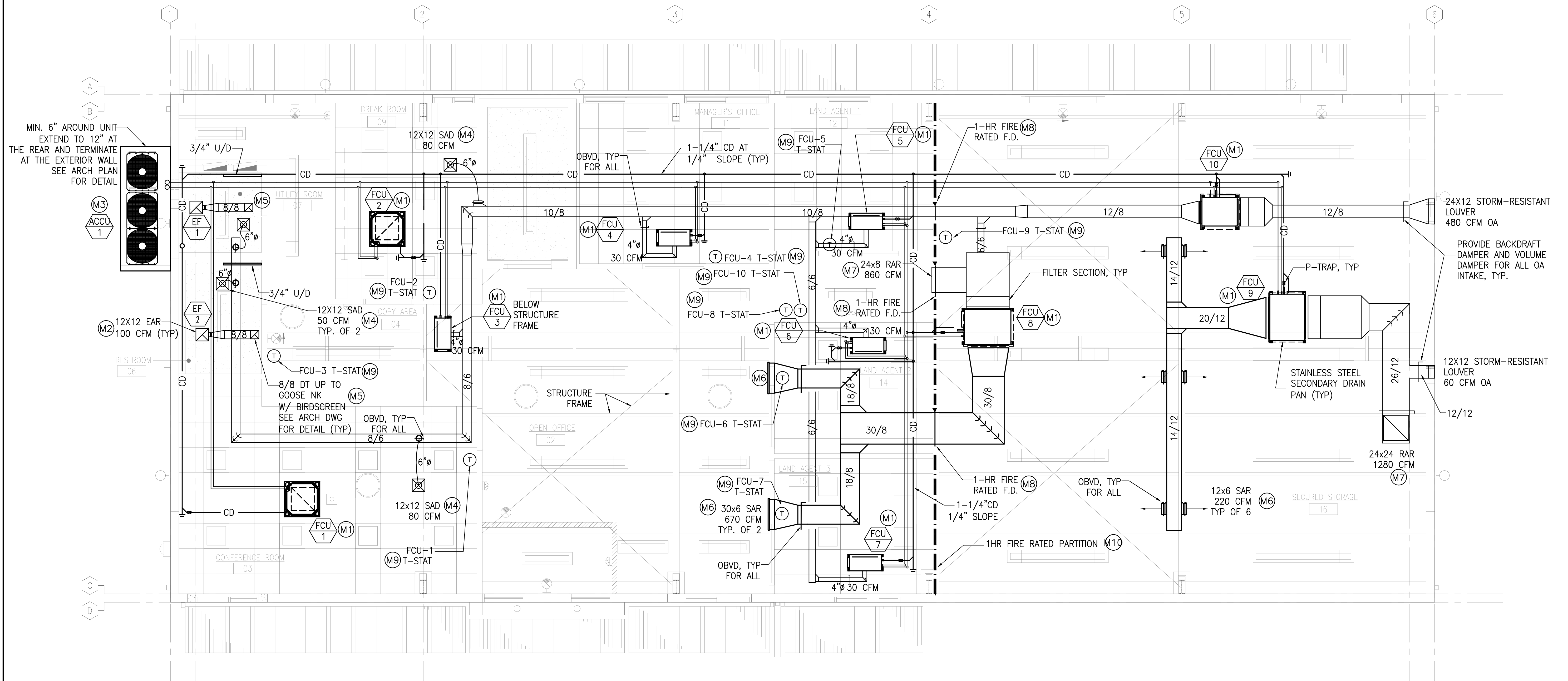
- (P1) PROVIDE AND INSTALL NEW WATER CLOSET COMPLETE. PROVIDE AND INSTALL NEW CW, VENT, AND SANITARY PIPING AS REQUIRED. PATCH/REPAIR TO MATCH EXIST'G. CONTRACTOR TO FIELD VERIFY.
- (P2) PROVIDE AND INSTALL NEW LAVATORY COMPLETE. PROVIDE AND INSTALL NEW CW, VENT, AND SANITARY PIPING AS REQUIRED. PROVIDE P-TRAP, SUPPLY STOPS, SUPPLY PIPING, FLOOR MOUNT CARRIER, AND ACCESSORIES AS REQUIRED FOR NEW INSTALLATION. PATCH/REPAIR TO MATCH EXIST'G. CONTRACTOR TO FIELD VERIFY.
- (P3) PROVIDE AND INSTALL NEW MOP SINK COMPLETE. PROVIDE AND INSTALL NEW CW, VENT, AND SANITARY PIPING AS REQUIRED. PATCH/REPAIR TO MATCH EXIST'G. CONTRACTOR TO FIELD VERIFY.
- (P4) PROVIDE AND INSTALL NEW ACCESSIBLE SINK COMPLETE. PROVIDE AND INSTALL NEW CW, VENT, AND SANITARY PIPING AS REQUIRED. PATCH/REPAIR TO MATCH EXIST'G. CONTRACTOR TO FIELD VERIFY.
- (P5) PROVIDE AND INSTALL NEW UNDERSINK ELECTRIC TANKLESS WATER HEATER. PROVIDE NEW WATER PIPING AS REQUIRED TO CONNECT TO NEW WATER HEATER.

- (P6) PROVIDE AND INSTALL NEW HOSE BIBB W/ NON-REMOVABLE VACUUM BREAKER. PROVIDE NEW WATER PIPING AS REQUIRED. PATCH/REPAIR TO MATCH EXIST'G. CONTRACTOR TO FIELD VERIFY.
- (P7) PROVIDE AND INSTALL NEW FLOOR DRAIN WITH TRAP PRIMER COMPLETE. PROVIDE AND INSTALL NEW CW, VENT, AND SANITARY PIPING AS REQUIRED. PATCH/REPAIR TO MATCH EXIST'G. CONTRACTOR TO FIELD VERIFY.
- (P8) PROVIDE AND INSTALL NEW FIRE EXTINGUISHER WITH WALL MOUNTED SUPPORT. FIRE EXTINGUISHER SHALL BE MOUNTED AT 44" FROM TOP OF THE UNIT TO FINISHED FLOOR AS REQUIRED. PATCH/REPAIR TO MATCH EXIST'G. CONTRACTOR TO FIELD VERIFY.
- (P9) PROVIDE FIRESTOPPING AT ALL PENETRATIONS THROUGH FIRE RATED PARTITIONS. PATCH/REPAIR TO MATCH EXIST'G. CONTRACTOR TO FIELD VERIFY.

1
M-201
NEW PLUMBING PLAN
SCALE: 1/4" = 1'-0"



REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION					
HAWAII DISTRICT LAND OFFICE HILO, HAWAII					
PLUMBING NEW WORK PLAN					
DESIGNED: MEI		SUBMITTED:		DATE: NOVEMBER 2022	
DRAWN: MEI		CHECKED: RRT		SCALE: AS NOTED	
APPROVED: RRT		Carty Chang E-signed 2022-11-28 04:17PM HST carty.s.chang@hawaii.gov State of Hawaii Chief Engineer		DRAWING NO. M-201	



NEW MECHANICAL WORK NOTES:

- (M1) INSTALL NEW FAN COIL UNITS COMPLETE, INCLUDING SUPPLY DUCTWORK, RETURN DUCTWORK, INSULATED REFRIGERANT, CONDENSATE PIPING, AND ASSOCIATED SUPPORTS. PROVIDE STAINLESS STEEL SECONDARY DRAIN PAN WITH DRAIN CONNECTION AT LOCATION SHOWN. PATCH AND REPAIR ANY DAMAGES TO MATCH EXISTING. CONTRACTOR TO FIELD VERIFY.

(M2) PROVIDE NEW EXHAUST FAN COMPLETE INCLUDING CONTROLS, ASSOCIATED DUCTWORK AND ACCESSORIES. RESTROOM DOOR SHALL HAVE 3/4" MINIMUM UNDERCUT FOR MAKE-UP AIR. PATCH/REPAIR ANY DAMAGES TO MATCH EXISTING, CONTRACTOR TO FIELD VERIFY.

(M3) PROVIDE NEW AIR COOLED CONDENSING UNIT WITH 6" THICK CONCRETE PAD. MIN. 6" SPACING AROUND. CONTRACTOR TO FIELD VERIFY AND COORDINATE FINAL LOCATION. PATCH/REPAIR ANY DAMAGES TO MATCH EXISTING.

(M4) PROVIDE SUPPLY AIR DIFFUSER AT LOCATION SHOWN. PROVIDE WITH FLEX DUCT AND OBVD. PATCH/REPAIR ANY DAMAGES TO MATCH EXISTING, CONTRACTOR TO FIELD VERIFY.

(M5) PROVIDE 8X8 EA DUCTWORK, JACK UP THROUGH ROOF TO GOOSENECK. PATCH/REPAIR ANY DAMAGES TO MATCH EXISTING, CONTRACTOR TO FIELD VERIFY.
- (M6) PROVIDE SUPPLY AIR REGISTER WITH OBVD AT LOCATION SHOWN. PATCH/REPAIR ANY DAMAGES TO MATCH EXISTING, CONTRACTOR TO FIELD VERIFY.

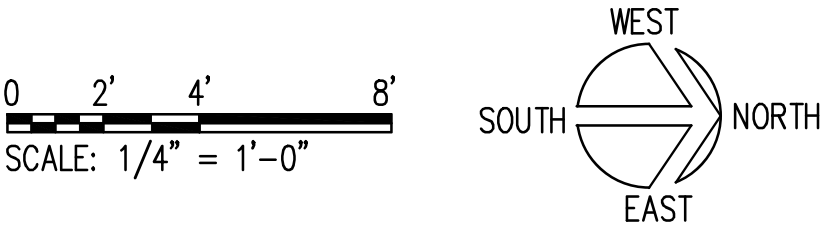
(M7) PROVIDE RETURN AIR REGISTER WITH OBVD AT LOCATION SHOWN. PATCH/REPAIR ANY DAMAGES TO MATCH EXISTING, CONTRACTOR TO FIELD VERIFY.

(M8) PROVIDE NEW ACCESS 1 HOUR FIRE RATED FIRE DAMPERS AT DUCTS PENETRATING. CONTRACTOR FOR FIELD VERIFY AND COORDINATE FINAL LOCATION. PATCH/REPAIR ANY DAMAGES TO MATCH EXISTING.

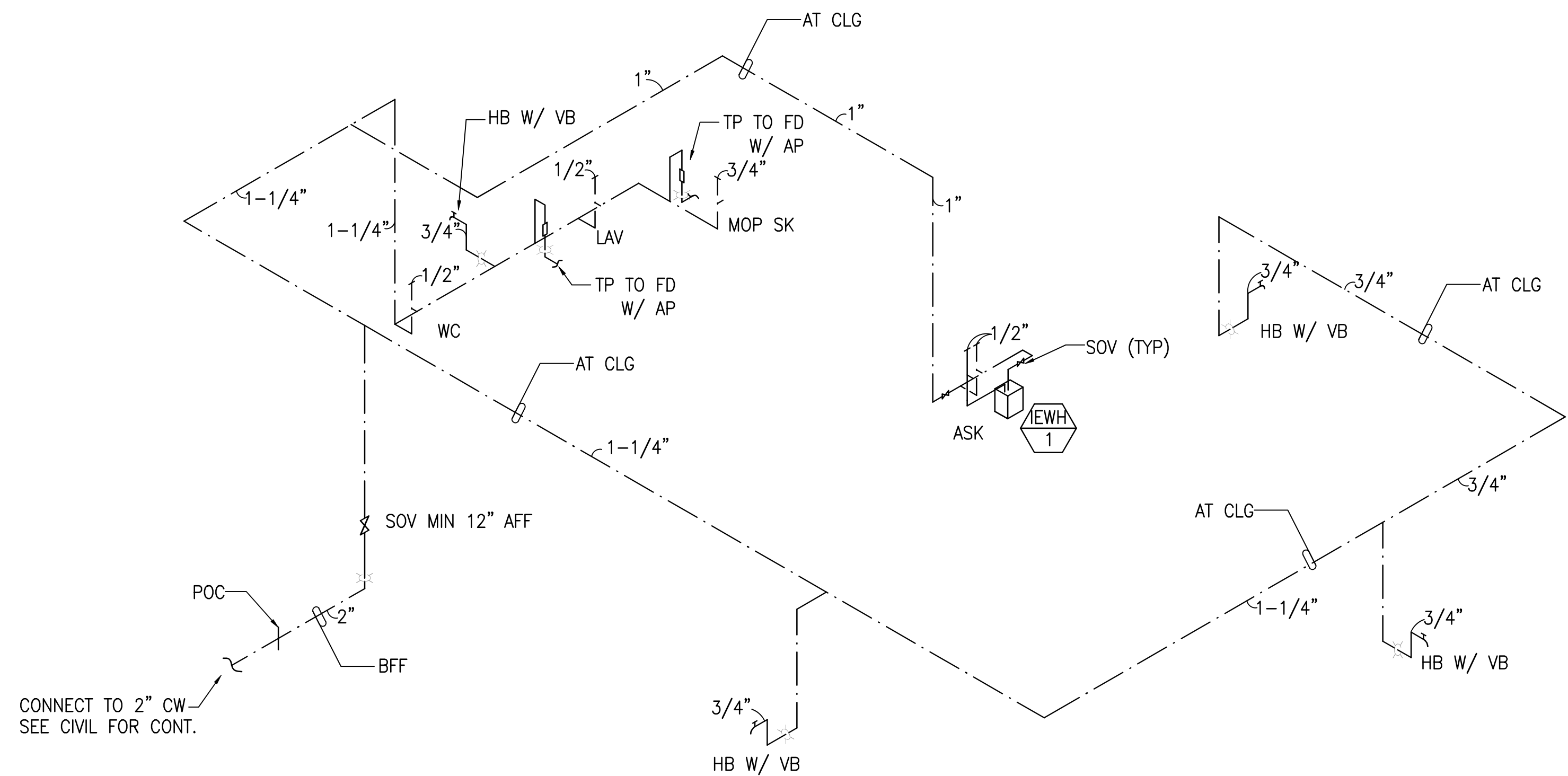
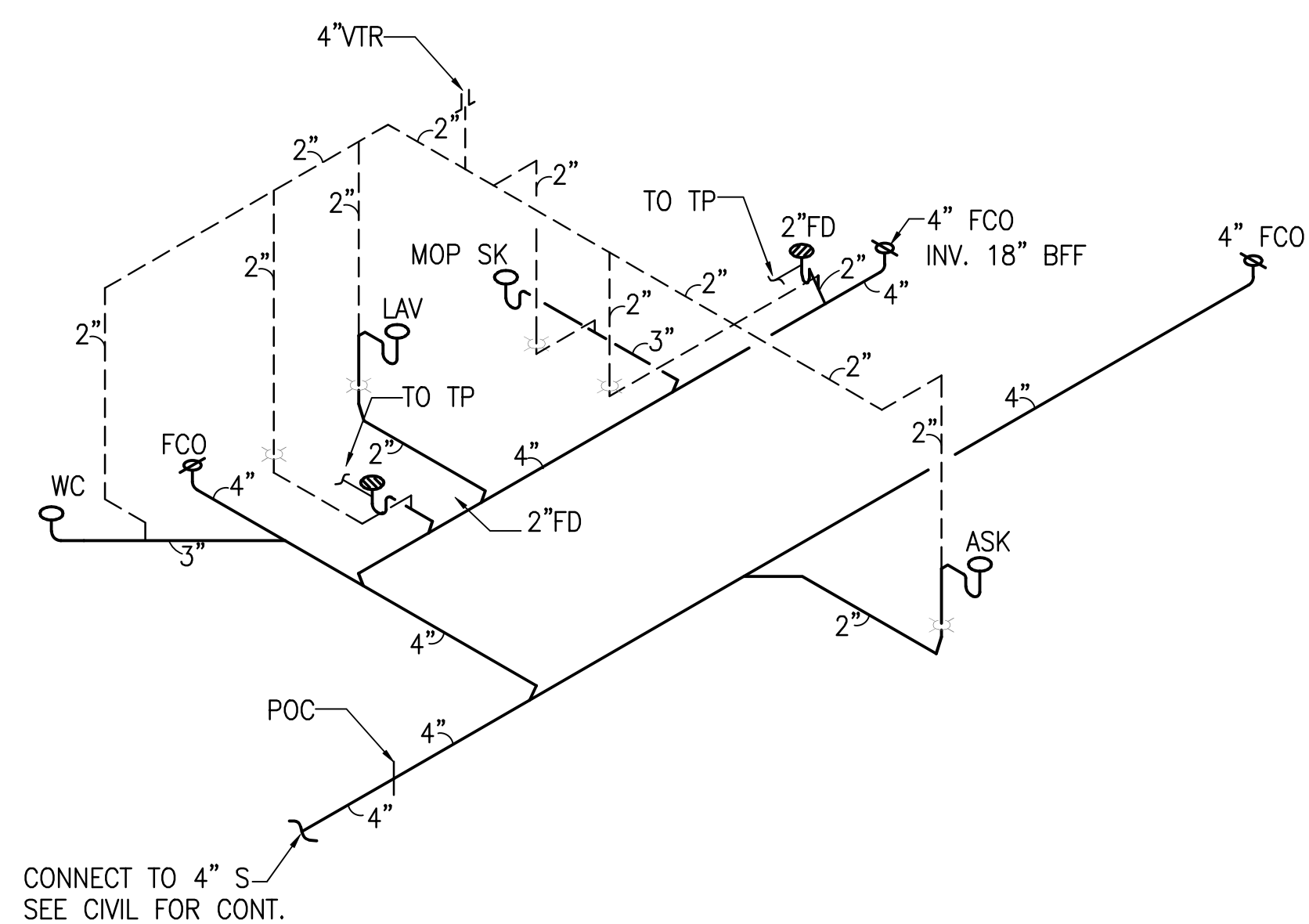
(M9) PROVIDE NEW THERMOSTAT AND CONTROL WIRING AS REQUIRED TO CONNECT TO NEW FCU. MOUNT NEW THERMOSTAT AT 48" AFF. PATCH/REPAIR ANY DAMAGES TO MATCH EXISTING. CONTRACTOR TO FIELD VERIFY.

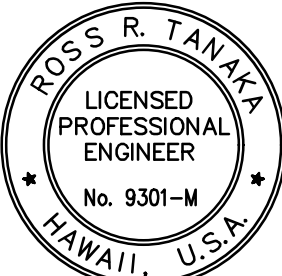

(M10) PROVIDE FIRESTOPPING AT ALL PENETRATIONS THROUGH FIRE RATED PARTITIONS. PATCH/REPAIR ANY DAMAGES TO MATCH EXISTING. CONTRACTOR TO FIELD VERIFY.

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M-202
NEW MECHANICAL PLAN
SCALE: 1/4" = 1'-0"







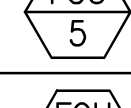
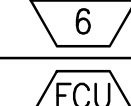
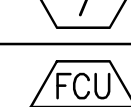
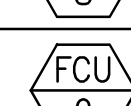
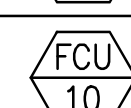


REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION					
HAWAII DISTRICT LAND OFFICE HILO, HAWAII					
NEW MECHANICAL PLAN					
DESIGNED: MEI			SUBMITTED:		
DRAWN: MEI			DATE: NOVEMBER 2022		
CHECKED: RRT			SCALE: AS NOTED		
APPROVED: RRT			Carty Chang E-signed 2022-11-28 04:17PM HST carty.s.chang@hawaii.gov State of Hawaii Chief Engineer		
CHIEF ENGINEER			DRAWING NO. M-202		


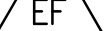



REVISION NO.		SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
<div><p>ROSS R. TANAKA LICENSED PROFESSIONAL ENGINEER No. 9301-M HAWAII, U.S.A.</p><p>EXPIRATION DATE: 4/30/2024</p><p><i>[Signature]</i></p><p>SIGNATURE</p><p>THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE USED BY AN OBSERVATION, SUPERVISION OF OR PARTICIPATION IN THE CONSTRUCTION OF THE HAWAII ADMINISTRATIVE RULES, DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS ENTITLED PROFESSIONAL ENGINEERS, ARCHITECTS, SURVEYORS AND LANDSCAPE ARCHITECTS).</p></div>			STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION			
			HAWAII DISTRICT LAND OFFICE			
			HILO, HAWAII			
			SANITARY AND WATER DIAGRAMS			
DESIGNED: MEI			SUBMITTED: <i>[Signature]</i>			
DRAWN: MEI			DATE: NOVEMBER 2022			
CHECKED: RRT			SCALE: AS NOTED			
APPROVED: RRT			Carty Chang E-signed 2022-11-28 04:17PM HST carty.s.chang@hawaii.gov State of Hawaii			
CHIEF ENGINEER						
			DRAWING NO. M-301			

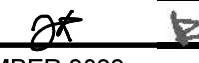

MECHANICAL EQUIPMENT SCHEDULE

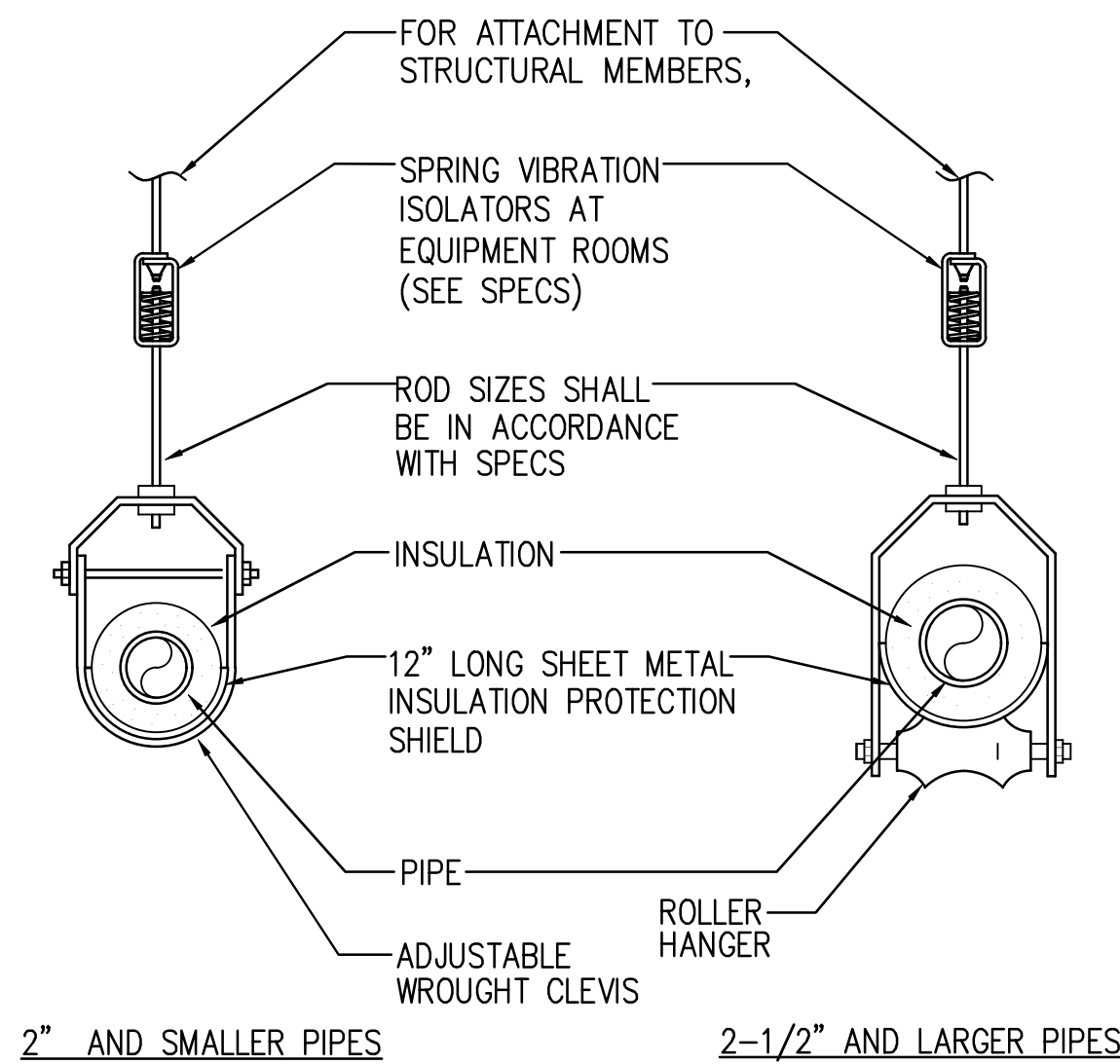
PROVIDE INTEGRAL MAGNETIC STARTER/DISCONNECTS WITH AUTOMATIC RESET FOR ALL UNITS. PROVIDE NEMA-4X STARTER ENCLOSURE FOR ALL OUTDOOR EQUIPMENT. ALL OUTDOOR EQUIPMENT SHALL HAVE POLYSILOXANE COATING PROTECTION ON INSIDE AND OUTSIDE OF HOUSING. COILS(CONDENSER) SHALL HAVE BLYGOLD POLUAL COATING. PROVIDE HORIZONTALLY AND VERTICALLY RESTRAINED SPRING ISOLATORS WITH NEOPRENE DIPPED SPRINGS AND GALV. HOUSINGS ON ALL EQUIPMENT. PROVIDE 1/2” RUBBER PAD FOR ACCU, AND SPRING ISOLATORS FOR FCU. PROVIDE PLASTIC COATED CABLE SWAY BRACING ALL SUSPENDE EQUIPMENT. PROVIDE FLEXIBLE DUCT CONNECTIONS AT ALL EQUIPMENT. PROVIDE S.S. BIRDSCREEN AT ALL NEW & EXISTING OA INTAKES. PROVIDE PHASE FAILURE/PHASE REVERSAL/OVER VOLTAGE/UNDER VOLTAGE ELECTRICAL PROTECTION. PROVIDE CONTROL VOLTAGE TRANSFORMERS. PROVIDE SILICONE PROTECTION TO ALL CIRCUIT BOARDS TO PREVENT SHORT CIRCUITING CAUSED BY GECKO ETC.

VRF SPLIT-SYSTEM AIR CONDITIONING UNIT SCHEDULE																			
INDOOR UNITS																			
UNIT NO.	MANUFACTURER AND MODEL	LOCATION	TYPE	SUPPLY AIR, CFM	OUTSIDE AIR, CFM	ESP (IN WG)	TOTAL CAPACITY (BTUH)	ENT AIR TEMP		ELECTRICAL				REFRIG LINES*		COND DRAIN	MAX SOUND LEVEL (dBA)	OPR WT (LBS)	REMARKS
								db (°F)	wb (°F)	V	ø	Hz	MCA	LIQ	GAS				
	MITSUBISHI PLFY-P24NEMU-E OR APPROVED EQUAL	CONF ROOM	4-WAY CASSETTE	770	80	–	24,000	80	67	208	1	60	0.51	3/8"	5/8"	1-1/4"	37	46	
	MITSUBISHI PLFY-P24NEMU-E OR APPROVED EQUAL	BREAK ROOM	4-WAY CASSETTE	560	70	–	12,000	80	67	208	1	60	0.33	1/4"	1/2"	1-1/4"	31	42	
	MITSUBISHI PMFY-P08NBMU-E OR APPROVED EQUAL	COPY AREA	1-WAY CASSETTE	320	30	–	8,000	80	67	208	1	60	0.25	1/4"	1/2"	1-1/4"	37	31	
	MITSUBISHI PMFY-P12NBMU-E OR APPROVED EQUAL	MANAGER	1-WAY CASSETTE	320	30	–	12,000	80	67	208	1	60	0.26	1/4"	1/2"	1-1/4"	37	31	
	MITSUBISHI PMFY-P08NBMU-E OR APPROVED EQUAL	LAND AGENT 1	1-WAY CASSETTE	320	30	–	8,000	80	67	208	1	60	0.25	1/4"	1/2"	1-1/4"	37	31	
	MITSUBISHI PMFY-P08NBMU-E OR APPROVED EQUAL	LAND AGENT 2	1-WAY CASSETTE	320	30	–	8,000	80	67	208	1	60	0.25	1/4"	1/2"	1-1/4"	37	31	
	MITSUBISHI PMFY-P08NBMU-E OR APPROVED EQUAL	LAND AGENT 3	1-WAY CASSETTE	320	30	–	8,000	80	67	208	1	60	0.25	1/4"	1/2"	1-1/4"	37	31	
	MITSUBISHI PEFY-P36NMHU-E OR APPROVED EQUAL	SECURED STORAGE	HIGH STATIC DUCTED	1340	70	1	36,000	80	67	208	1	60	4.23	3/8"	5/8"	1-1/4"	41	155	
	MITSUBISHI PEFY-P36NMHU-E OR APPROVED EQUAL	SECURED STORAGE	HIGH STATIC DUCTED	1340	60	1	36,000	80	67	208	1	60	4.23	3/8"	5/8"	1-1/4"	41	155	
	MITSUBISHI PEFY-P24NMHU-E OR APPROVED EQUAL	SECURED STORAGE	HIGH STATIC DUCTED	480	480	1	24,000	80	67	208	1	60	1.57	3/8"	5/8"	1-1/4"	36	100	
*CONTRACTOR SHALL CONFIRM REFRIGERANT PIPE SIZES WITH MANUFACTURER PRIOR TO PROCUREMENT.																			
OUTDOOR UNIT																			
UNIT NO.	MANUFACTURER AND MODEL	LOCATION	TYPE	REFRIG	NOMINAL CAPACITY (TONS)	TOTAL CAPACITY (BTUH)	AMBIENT AIR TEMP (°F)	MIN EER	ELECTRICAL					OPR WT (LBS)	REMARKS				
									V	ø	Hz	MCA	MOCP						
	MITSUBISHI PUHY-P192TNU-A(-BS) OR APPROVED EQUAL	GROUND	VARIABLE REFRIG FLOW	R-410a	16	192,000	95	–	208	3	60	33	50	1106					
															CONSISTS OF TWO PUHY-P96TNU-A (-BS) AND CMY-Y100CBK3 TWINNING KIT. PROVIDE 6" CONCRETE PAD, NEOPRENE ISOLATORS, STARTER AND DISCONNECT,				

FAN SCHEDULE												
UNIT	AREA SERVED	TYPE	CFM	ESP (INCH WG)	FAN RPM	ELECTRICAL				MAX SONE	MAKE & MODEL OR APPROVED EQUAL	REMARKS
						W	V	PH	HZ			
	UTILITY ROOM	CEILING EXHAUST	100	0.4	935	80	115	1	60	2.0	GREENHECK SP-110-VG OR APPROVED EQUAL	INTERLOCK WITH LIGHT SWITCH. PROVIDE UNIT MOUNTED SPEED CONTROLLER. PROVIDE BACKDRAFT DAMPERS AND OBVD'S. PROVIDE WITH ISOLATOR KIT
	RESTROOM	CEILING EXHAUST	100	0.4	935	80	115	1	60	2.0	GREENHECK SP-110-VG OR APPROVED EQUAL	INTERLOCK WITH LIGHT SWITCH. PROVIDE UNIT MOUNTED SPEED CONTROLLER. PROVIDE BACKDRAFT DAMPERS AND OBVD'S. PROVIDE WITH ISOLATOR KIT

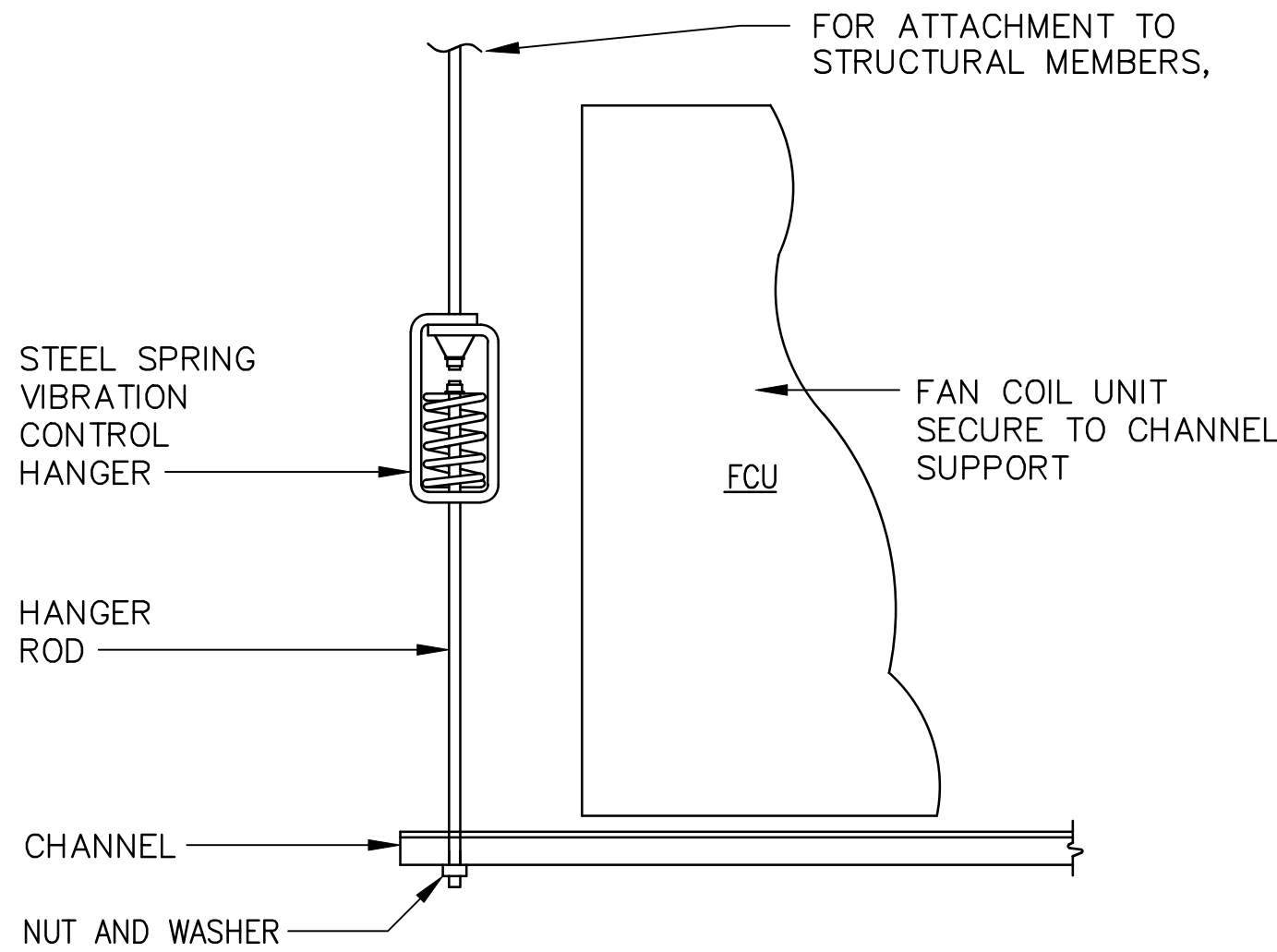
WATER HEATER SCHEDULE												
UNIT	MANUFACTURER AND MODEL	LOCATION	SERVICE	ACTIVATION GPM	TEMP. RISE @ 1.0 GPM FLOW	ELECTRICAL					OPR WT POUNDS	REMARKS
						WATTS	VOLTS	AMPS	Ø	Hz		
	CHRONOMITE E-60L/208	BREAK ROOM	DOMESTIC	0.35	41°F	6000	208	29	1	60	8	TANKLESS TYPE WATER HEATER, INSTALL UNDER COUNTER

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
		STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION			
		HAWAII DISTRICT LAND OFFICE HILO, HAWAII			
		MECHANICAL EQUIPMENT SCHEDULE			
DESIGNED: MEI		SUBMITTED: 			
DRAWN: MEI		DATE: NOVEMBER 2022			
CHECKED: RRT		SCALE: AS NOTED			
APPROVED: RRT		Carty Chang E-signed 2022-11-28 04:17PM HST carty.s.chang@hawaii.gov State of Hawaii		DRAWING NO. M-401	
CHIEF ENGINEER					



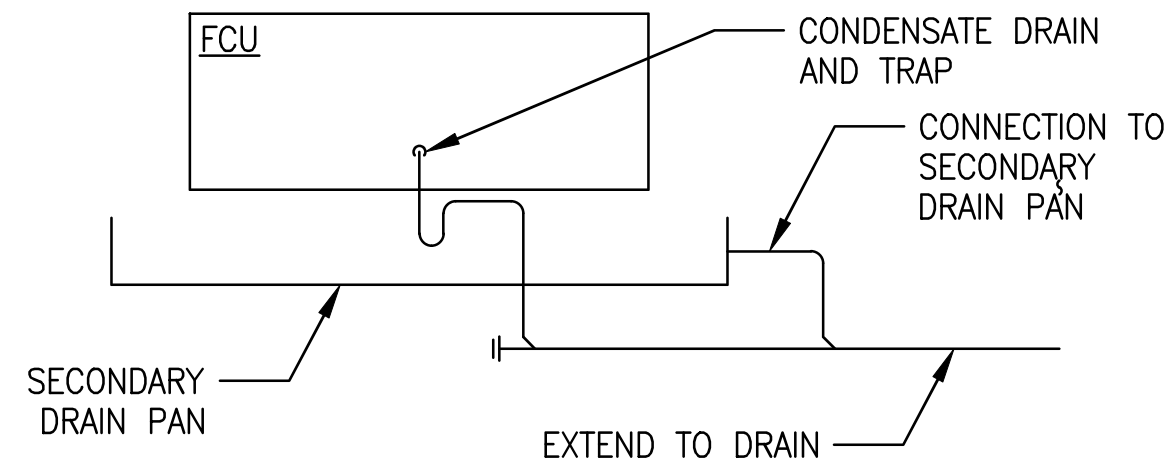
NOTE: 18" LONG RIGID INSULATION SHALL BE USED AT HANGERS

1 PIPE HANGER DETAIL
M-501 NTS



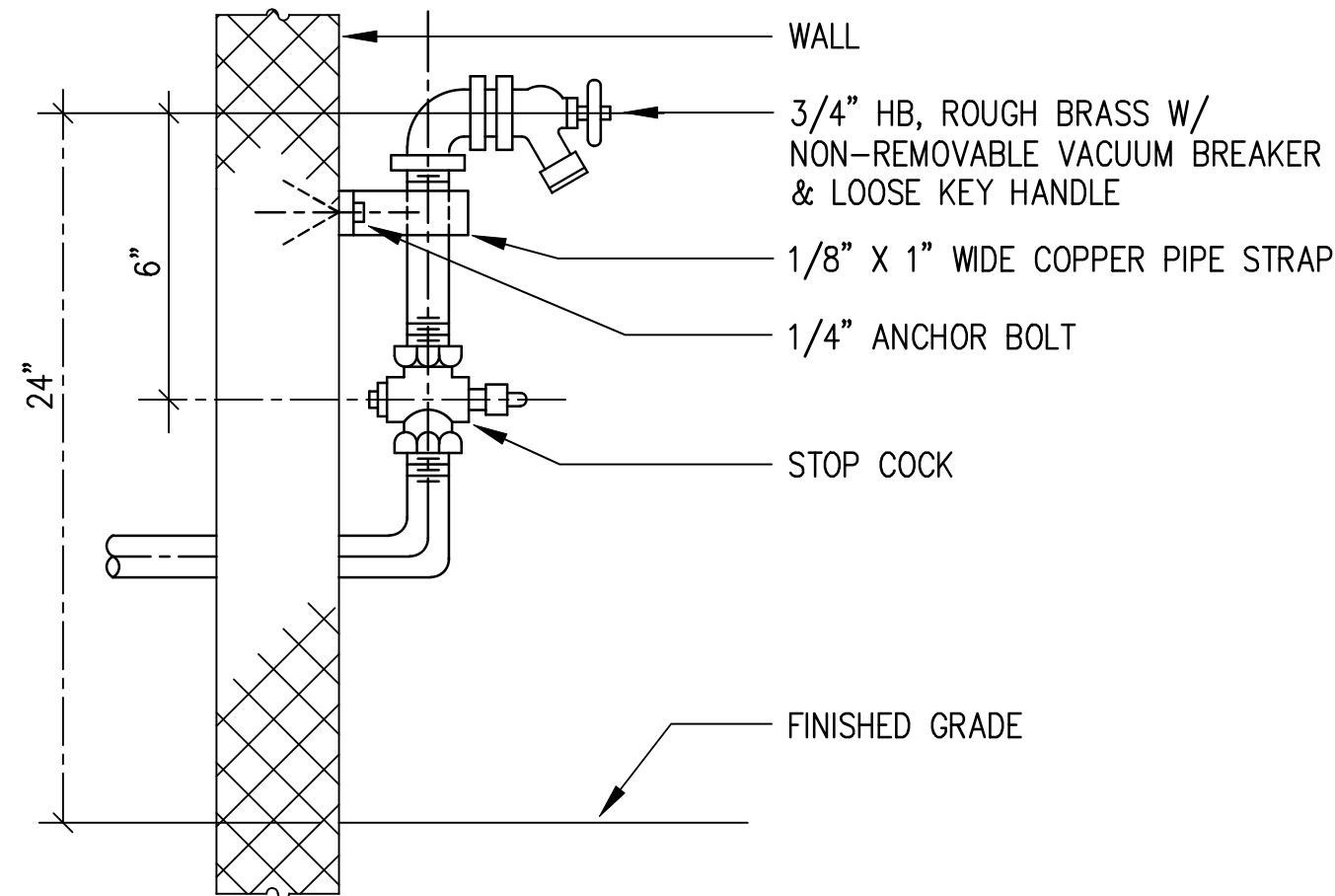
NOTE: CHANNEL SUPPORTING UNIT SHALL CLEAR EXISTING ACCESS COVER SCREWS ON UNIT.

2 TYPICAL FAN COIL UNIT MOUNTING DETAIL
M-501 NTS

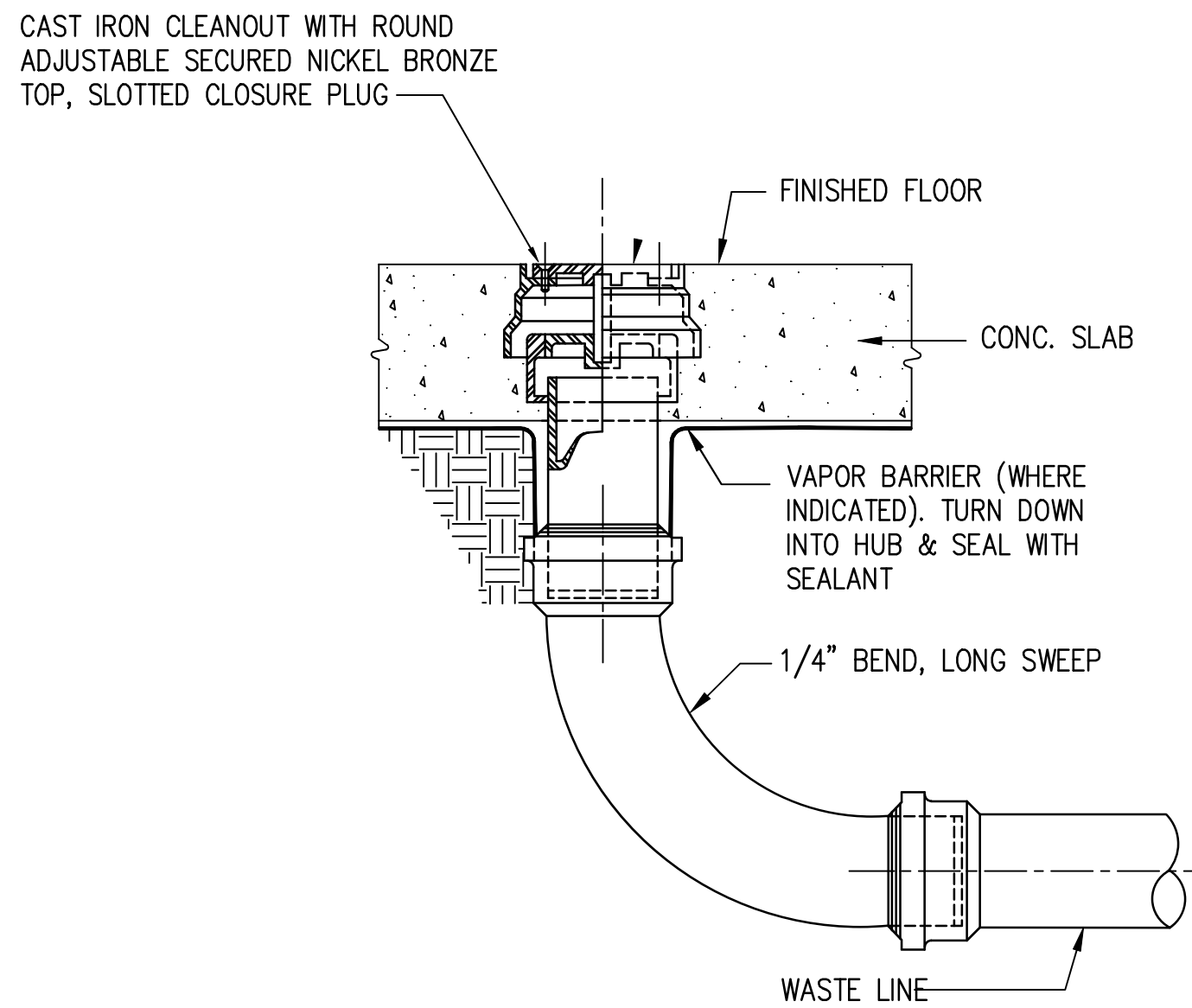


CONDENSATE DRAINAGE
THE TENANT'S CONTRACTOR SHALL PROVIDE CONDENSATE TRAP AND CONDENSATE DRAIN PIPING. PIPING SHALL BE EXTENDED FOR DISCHARGE INTO AN INDIRECT WASTE CONNECTION FROM THE SECONDARY DRAIN PAN SHALL BE PROVIDED. IN THE EVENT THE CONDENSATE CAN NOT BE DRAINED BY GRAVITY PROVIDE A CONDENSATE PUMPING SYSTEM COMPLETE WITH PUMP FAILURE / HIGH WATER ALARM.

3 CONDENSATE DRAIN CONNECTION DETAIL
M-501 NTS



4 HOSE BIBB MOUNTING DETAIL
M-501 NTS



5 FLOOR CLEAN OUT DETAIL
M-501 NTS

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION					
HAWAII DISTRICT LAND OFFICE HILO, HAWAII					
MECHANICAL DETAILS					
DESIGNED: MEI		SUBMITTED: <i>[Signature]</i>			
DRAWN: MEI		DATE: NOVEMBER 2022			
CHECKED: RRT		SCALE: AS NOTED			
APPROVED: RRT		Carty Chang E-signed 2022-11-28 04:17PM HST carty.s.chang@hawaii.gov State of Hawaii CHIEF ENGINEER		DRAWING NO. M-501	

ELECTRICAL SYMBOLS

GENERAL ELECTRICAL NOTES

1. ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH THE 2017 NATIONAL ELECTRICAL CODE AND LOCAL ORDINANCES. CONTRACTOR SHALL OBTAIN AND PAY FOR NECESSARY PERMITS.
2. CONTRACTORS SHALL VISIT SITE AND FAMILIARIZE THEMSELVES WITH DETAILS OF THE WORK AND EXISTING FIELD CONDITIONS PRIOR TO START OF WORK. BID SUBMISSION SHALL BE CONSIDERED AS EVIDENCE THAT THE CONTRACTOR HAS VISITED THE SITE AND ENDEAVORED TO RESOLVE QUESTIONS AND DISCREPANCIES PRIOR TO SUBMITTING A BID.
3. CONTRACTOR SHALL PROVIDE A COMPLETE AND OPERATIONAL ELECTRICAL SYSTEM. RELOCATE EXISTING EQUIPMENT, CONDUIT AND WIRING AS NECESSARY TO ACCOMMODATE NEW WORK.
4. THE ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADE CONTRACTORS FOR SPACE REQUIREMENTS, ETC. COORDINATE NEW LIGHT FIXTURE LOCATIONS WITH MECHANICAL CONTRACTOR PRIOR TO START OF MECHANICAL, AND PLUMBING WORK.
5. SHOULD THE CONTRACTOR FIND DISCREPANCIES IN THE CONTRACT DOCUMENTS, HE SHALL IMMEDIATELY OBTAIN CLARIFICATION FROM THE ARCHITECT.
6. THE ELECTRICAL DRAWINGS ARE SCHEMATIC AND ARE NOT INTENDED TO SHOW THE EXACT LOCATION OF CONDUITS, OUTLETS, ETC. THE CONTRACTOR SHALL REFER TO ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND PLUMBING DRAWINGS. ELECTRICAL WORK SHALL FIT TO CONFORM WITH THE BUILDING CONSTRUCTION AND WITH THE OTHER TRADES.
7. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL GENERAL NOTES.
8. THE CONTRACTOR SHALL PAY FOR ALL THE ELECTRICAL COSTS (INCLUDING CONNECTION, MONTHLY USAGE, DEMAND, CUSTOMER, SURCHARGES AND BASE RATE CHARGES) UNTIL THE PROJECT IS COMPLETED AND ACCEPTED BY THE STATE.
9. THE CONTRACTOR SHALL COORDINATE WITH THE ELECTRIC UTILITY COMPANY TO CONNECT THE ELECTRIC POWER PRIOR TO START OF WORK.
10. FOR ALL LUMINAIRES, ALL SCREWS, NUTS, BOLTS AND WASHERS SHALL BE STAINLESS STEEL.

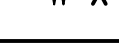
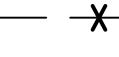
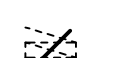
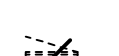
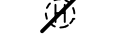
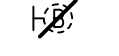
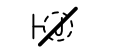
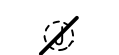
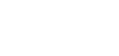
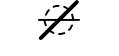
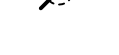
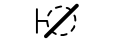
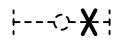
GENERAL DEMOLITION NOTES:

1. DEVICES, FIXTURES AND CONNECTIONS SHOWN ON DEMOLITION PLAN ARE INTENDED TO GIVE THE CONTRACTOR A GENERAL IDEA OF WHAT ELECTRICAL ITEMS ARE BEING REMOVED OR RETAINED. DEMOLITION PLANS DO NOT INDICATE COMPLETE EXISTING WIRING CONDITIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD INSPECTION OF SITE TO DETERMINE ACTUAL CONDITIONS OF INSTALLATION AND QUANTITIES OF EXISTING EQUIPMENT BEFORE SUBMITTING BID.
2. DEMOLITION WORK SHALL BE PERFORMED WITH CARE NOT TO DISTURB THE OTHER EXISTING UTILITIES. BEFORE WIRING IS CUT, CONTRACTOR SHALL VERIFY USAGE OF WIRING TO BE CUT TO ASSURE THAT SERVICES REQUIRED ARE NOT DISCONNECTED. IF EXISTING UTILITIES ARE DAMAGED BY THE CONTRACTOR, THE EXISTING UTILITIES SHALL BE REPAIRED TO ITS ORIGINAL CONDITION AT THE EXPENSE OF THE CONTRACTOR.
3. DEMOLISH AND REMOVE EXISTING ITEMS AS REQUIRED TO DO NEW WORK. REMOVE WORK NOTED TO BE REMOVED ON CONSTRUCTION DRAWINGS AND UNUSED ELECTRICAL EQUIPMENT, ASSOCIATED CONDUIT AND WIRING. REPAIR AND REPLACE EXISTING STRUCTURES, EQUIPMENT, CABLES, OR UTILITIES THAT MAY BE DAMAGED DURING THE COURSE OF CONSTRUCTION TO A CONDITION THAT IS EQUAL OR BETTER THAN EXISTING CONDITION.
4. CONCEALED CONDUIT THAT CANNOT BE REMOVED DUE TO INACCESSIBILITY MAY BE ABANDONED. CONDUCTORS SHALL BE REMOVED AND CONDUIT CUT FLUSH WITH SURFACE AND PATCHED TO MATCH EXISTING SURFACE.
5. WHEN EXISTING DEVICES, EQUIPMENT, ETC. ARE NOTED TO BE REMOVED AND THE CIRCUIT(S) SERVING SUCH ITEMS SERVES OTHER ITEMS OR DEVICES WHICH ARE TO BE MAINTAINED, THE CONTRACTOR SHALL REROUTE, EXTEND, MODIFY, ETC. EXISTING CIRCUITS AS REQUIRED TO MAINTAIN COMPLETE AND OPERATING SYSTEMS.
6. CONTRACTOR SHALL REMOVE EXISTING CONDUITS, WIRING, AND ANY OTHER CABLING BACK TO SOURCE THAT IS NO LONGER IN USE.
7. CONTRACTOR IS RESPONSIBLE FOR THE DISPOSAL OF ITEMS TO BE DEMOLISHED.

REMOVE

EXIST

NEW



LIGHT POLE WITH LED LUMINAIRE

LED FLOOD LIGHT LUMINAIRE, WALL MOUNTED

2'x4' FLUORESCENT LUMINAIRE, CEILING MOUNTED

1'x8' FLUORESCENT LUMINAIRE, CEILING MOUNTED

FLUORESCENT LUMINAIRE, CEILING MOUNTED

FLUORESCENT STRIP LUMINAIRE, CEILING MOUNTED

FLUORESCENT LUMINAIRE, WALL MOUNTED

FLUORESCENT FLOOD LIGHT, CEILING MOUNTED

2'x2' LED LUMINAIRE, CEILING MOUNTED

1'x4' LED LUMINAIRE, CEILING MOUNTED

1'x4' LED LUMINAIRE, SUSPENDED MOUNT

1'x8' LED LUMINAIRE, SUSPENDED MOUNT

EXIT LIGHT, CEILING MOUNTED, BLACKENED SEGMENT INDICATES ILLUMINATED SIDES AND ARROWS INDICATE DIRECTIONAL ARROWS

EXIT LIGHT, WALL MOUNTED, BLACKENED SEGMENT INDICATES ILLUMINATED SIDES AND ARROWS INDICATE DIRECTIONAL ARROWS

EMERGENCY LED WALL PACK LUMINAIRE, WALL MOUNTED

LUMINAIRE TYPE

SWITCH, 1P20A, +42"

SWITCH, 3-WAY, +42"

SWITCH, 4-WAY, +42"

DIMMER SWITCH, +42"

OCCUPANCY SENSOR LIGHT SWITCH, WALL MOUNTED, +42"

OCCUPANCY SENSOR LIGHT SWITCH, CEILING MOUNTED

DUPLEX CONVENIENCE OUTLET, 3W, 15A, 125V, GROUNDING TYPE, +18" UNLESS OTHERWISE NOTED

DUPLEX CONVENIENCE RECEPTACLE, 3W, 15A, 125V, GROUND FAULT INTERRUPTING TYPE, +18" UNLESS OTHERWISE NOTED

DUPLEX CONVENIENCE RECEPTACLE, 3W, 15A, 125V, GROUND FAULT INTERRUPTING TYPE, WEATHERPROOF COVER +18" UNLESS OTHERWISE NOTED

FLOOR OUTLET, DUPLEX, 15A, 125V, GROUNDING TYPE WITH HINGED COVER

COMBINATION FLOOR/DATA OUTLET, DUPLEX, 15A, 125V, GROUNDING TYPE WITH HINGED COVER

SINGLE 125V RECEPTACLE, +90"

COMBINATION TELEPHONE/DATA OUTLET, WALL MOUNTED, +18" UNLESS OTHERWISE NOTED

TELEPHONE OUTLET, WALL MOUNTED

JUNCTION BOX, ABOVE CEILING, 4 11/16" SQUARE MINIMUM

JUNCTION BOX, WALL MOUNTED, 4 11/16" SQUARE MINIMUM

JUNCTION BOX WITH BLANK PLATE, WALL MOUNTED, 4 11/16" SQUARE MINIMUM

WATER HEATER CONNECTION

MOTOR CONNECTION

MOTOR CONTROLLER

SAFETY DISCONNECT SWITCH

FCU CONNECTION WITH MOTOR RATED 1P20A DISCONNECT SWITCH

EXHAUST FAN CONNECTION WITH MOTOR RATED 1P20A DISCONNECT SWITCH

FIRE ALARM SMOKE DETECTOR, STAND ALONE, CEILING MOUNTED

PANELBOARD

TELEPHONE CABINET

TELEPHONE TERMINAL BOARD


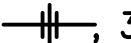

CONDUIT STUB

WIRING IN RACEWAY CONCEALED IN WALL OR CEILING

WIRING IN FLEXIBLE RACEWAY, 6 FEET MAXIMUM

WIRING IN SURFACE MOUNTED RACEWAY

NOTES:

1. ANY CIRCUIT WITH NO FURTHER DESIGNATION INDICATES A TWO WIRE CIRCUIT. CIRCUITS WITH ADDITIONAL WIRES ARE INDICATED AS FOLLOWS—, 3 WIRES:—, 4 WIRES, ETC.
2. —— INDICATES GROUNDING CONDUCTOR SIZED PER NATIONAL ELECTRICAL CODE ARTICLE 250.122.
3. PROVIDE GROUNDING CONDUCTOR IN ALL RACEWAYS.

HAWAII COUNTY ENERGY CODE

2018 IECC, HAWAII REVISED STATUTES HRS 107-24 TO 28 & HAWAII ADMINISTRATIVE RULES HAR 3-181.1

COMMERCIAL BUILDING ENERGY EFFICIENCY STANDARDS

I CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE, THIS PROJECTS DESIGN SUBSTANTIALLY CONFORMS TO THE BUILDING ENERGY EFFICIENCY STANDARDS PERTAINING TO THE COMMERCIAL PROVISIONS FOR ELECTRICAL AND LIGHTING SYSTEMS (C405 & C408) OF THE 2018 IECC WITH AMENDMENTS PER HAR 3-181.1:

STATE AMENDMENTS: EFFECTIVE FOR NEW APPLICATIONS BEGINNING 09/01/2021
COUNTY AMENDMENTS: PENDING


COMPLIANCE METHOD

☐ 2018 IECC as amended, Mandatory & Prescriptive
☒ 2018 IECC as amended, Mandatory & Total Building Performance
☐ ASHRAE Standard 90.1-2016, Mandatory & Prescriptive
☐ ASHRAE Standard 90.1-2016, Mandatory & Energy Cost Budget

INFORMATION IN CONSTRUCTION DOCUMENTS

	YES	N/A
Interior Lighting		
Occupant sensor controls, C405.2.1	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Time switch controls, C405.2.2	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Daylight responsive controls, C405.2.3	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Daylight zones on plans, C405.2.3.2 & C405.2.3.3	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Guest room controls, C405.2.4	<input type="checkbox"/>	<input type="checkbox"/>
Interior lighting fixture schedule	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Interior lighting power allowances, C405.3.2	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Interior lighting fixture locations	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lighting control functional performance testing requirement, C408.3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exterior lighting		
Exterior lighting controls, C405.2.6	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exterior lighting fixture schedule	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exterior lighting power allowances, C405.4.2	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Exterior lighting fixture locations	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Electrical		
Electrical transformer efficiency, C405.6	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Electrical motor efficiency, C405.7	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Voltage drop less than 5%, C405.9	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Tenant submetering, C405.10	<input type="checkbox"/>	<input checked="" type="checkbox"/>

NOTES

SIGNATURE:  DATE: 11-16-22

Name: JOHN M. NOMURA

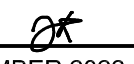
TITLE: VICE PRESIDENT

License No.: 11670-E

Project Name.: HAWAII DISTRICT LAND OFFICE


Project TMK: (3) 2-2-032: 011

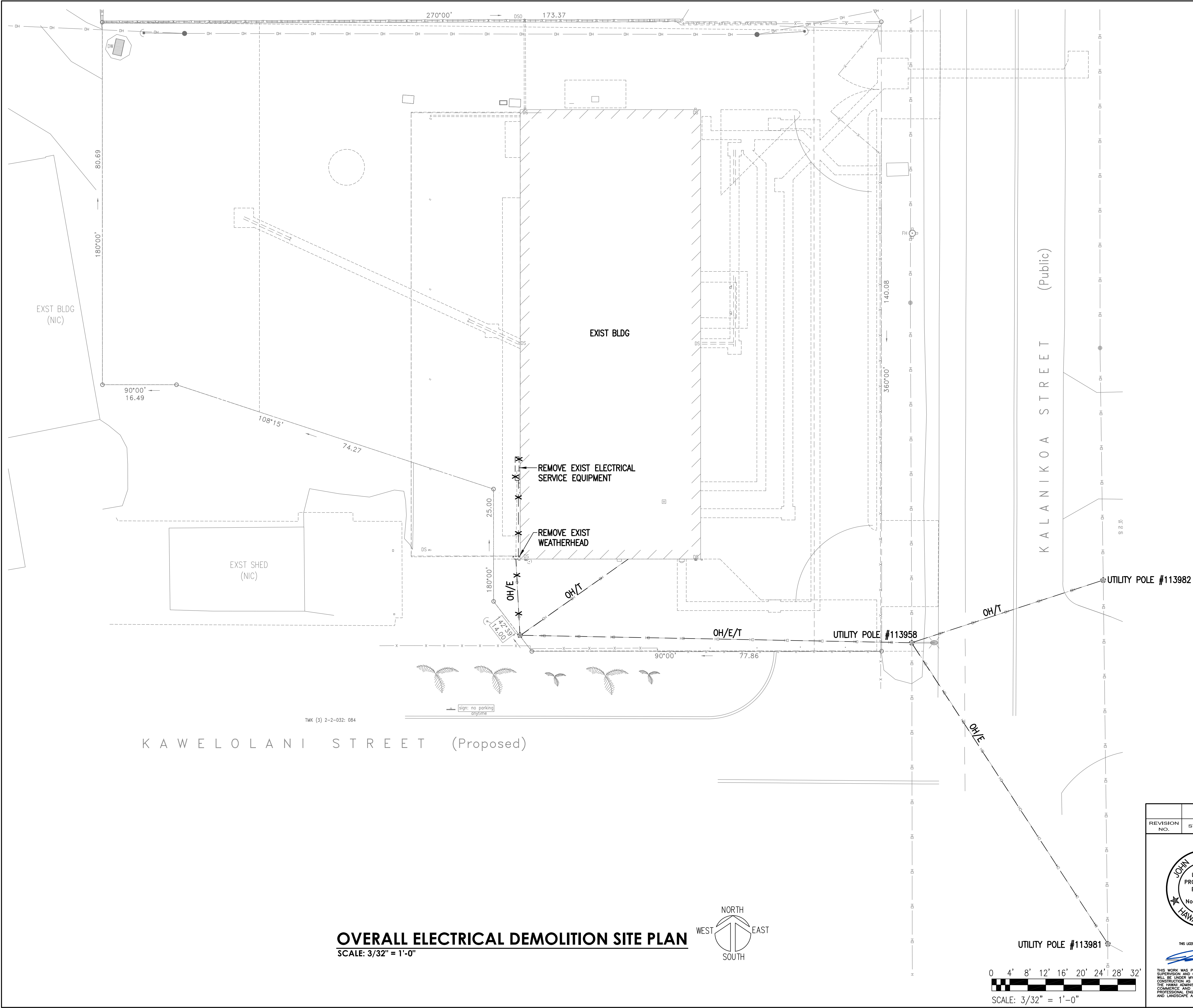
JOHN M. NOMURA
LICENSED PROFESSIONAL ENGINEER
No. 11670-E
HAWAII, U.S.A.

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION					
HAWAII DISTRICT LAND OFFICE HILO, HAWAII					
ELECTRICAL SYMBOLS, GENERAL ELECTRICAL NOTES					
DESIGNED: JN					
SUBMITTED: 					
DRAWN: CAD					
DATE: NOVEMBER 2022					
CHECKED: JN					
SCALE: AS NOTED					
APPROVED: Carty Chang					
E-signed 2022-11-28 04:17PM HST					
carty.s.chang@hawaii.gov					
CHIEF ENGINEER					
State of Hawaii					
Chief Engineer					
DRAWING NO. E-001					

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 CHAPTER 18-115 OF THE HAWAII ADMINISTRATIVE RULES, DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS, ENTITLED PROFESSIONAL ENGINEERS, ARCHITECTS, SURVEYORS AND LANDSCAPE ARCHITECTS.

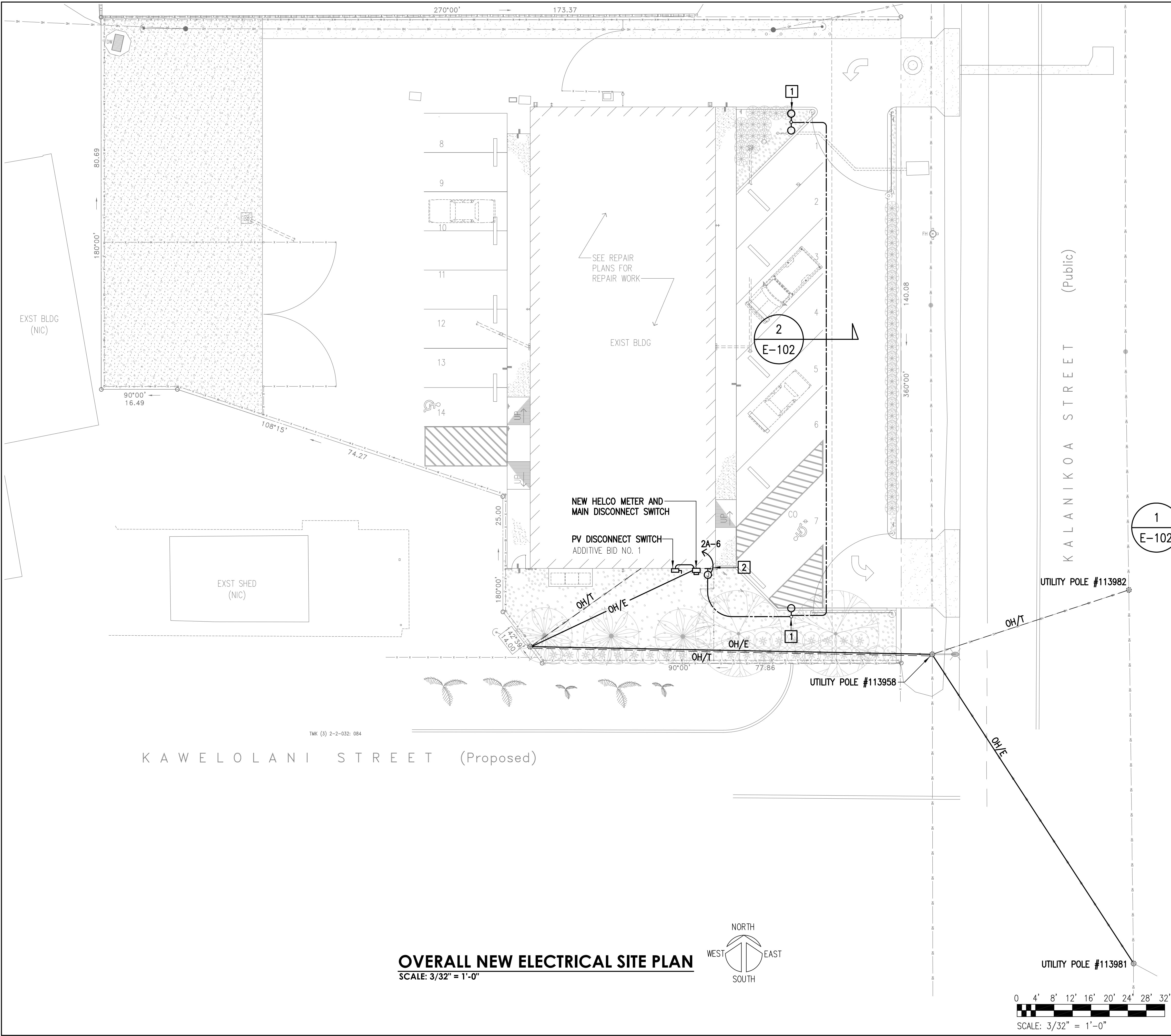
THIS LICENSE EXPIRES APRIL 30, 2024

SIGNATURE: 



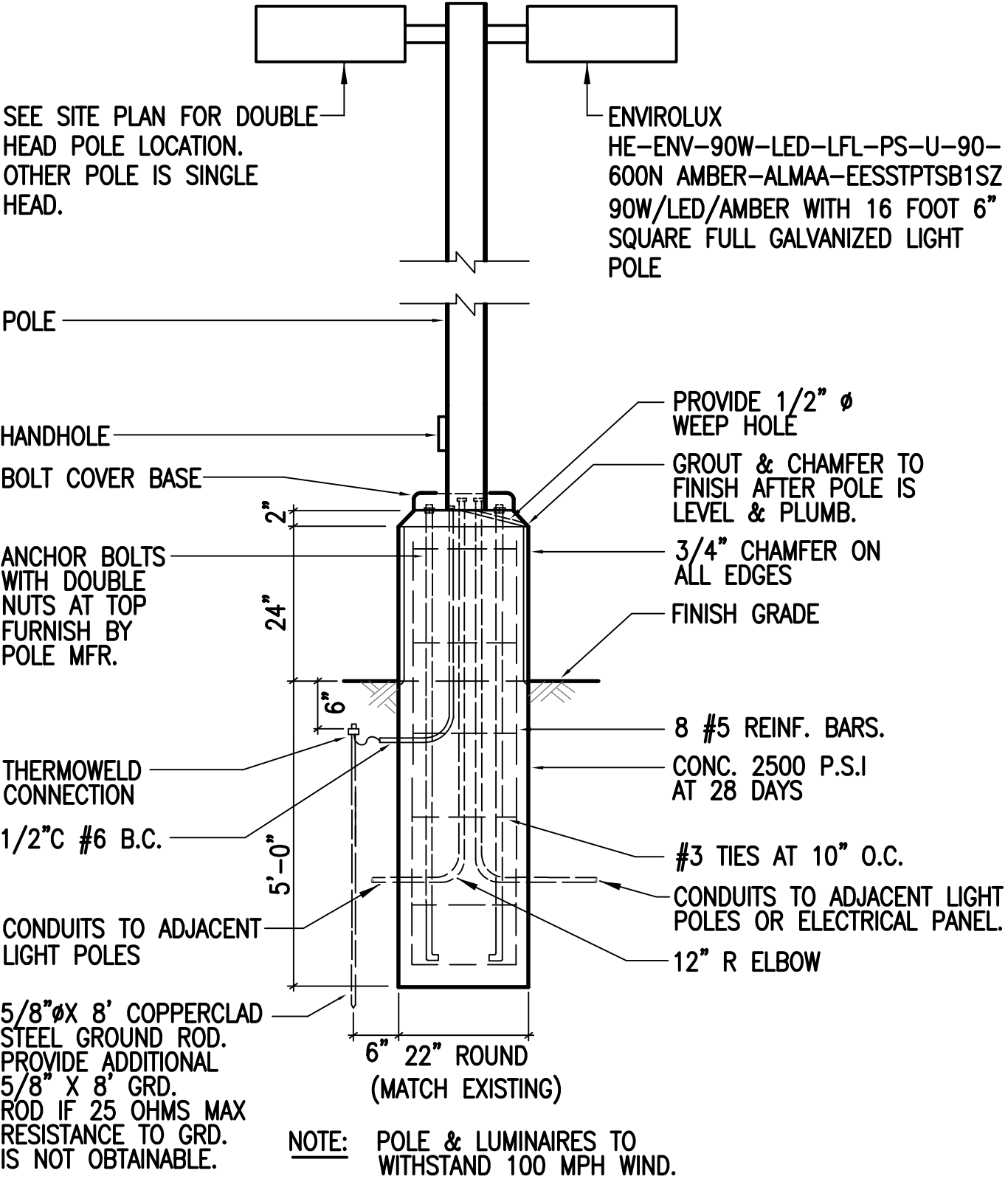
OVERALL ELECTRICAL DEMOLITION SITE PLAN
SCALE: 3/32" = 1'-0"

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION					
HAWAII DISTRICT LAND OFFICE HILO, HAWAII					
OVERALL ELECTRICAL DEMOLITION SITE PLAN					
DESIGNED: JN		SUBMITTED:			
DRAWN: CAD		DATE: NOVEMBER 2022			
CHECKED: JN		SCALE: AS NOTED			
APPROVED:		Carty Chang E-signed 2022-11-28 04:17PM HST carty.s.chang@hawaii.gov State of Hawaii Chief Engineer		DRAWING NO. E-101	

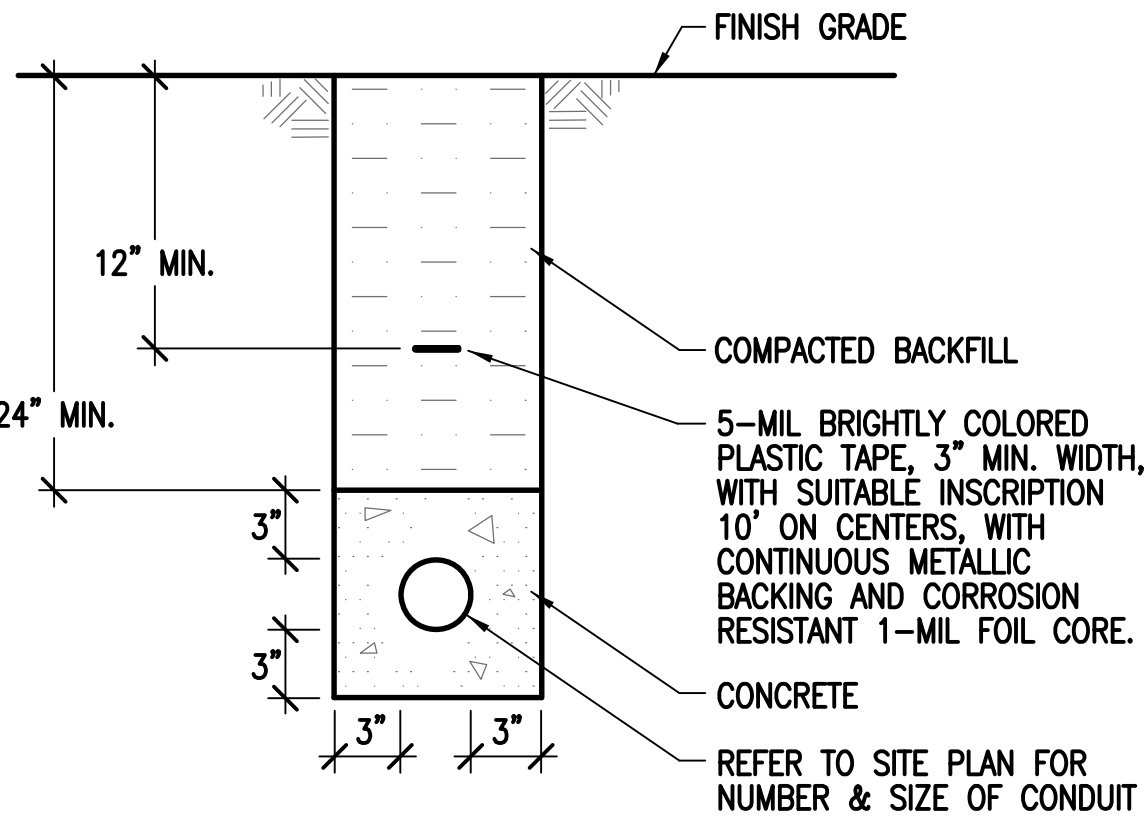


ELECTRICAL SITE PLAN NOTES:

- 1 NEW LIGHT POLE. SEE POLE BASE DETAIL 1/E-102 ON THIS SHEET.
- 2 TO PANEL "2A". DRILL AND PATCH CONCRETE WALL.



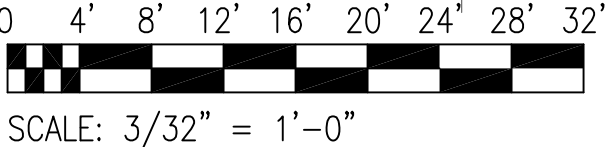
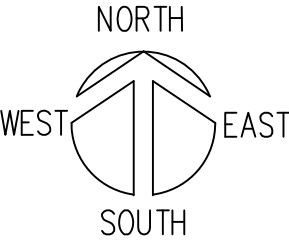
1 RAISED CONCRETE BASE LIGHT POLE DETAIL
E-102 N.T.S.

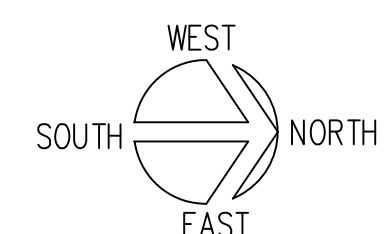


2 DUCT SECTION DETAIL
E-102 N.T.S.

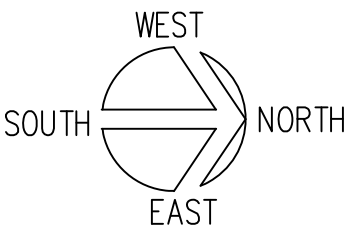
REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION					
HAWAII DISTRICT LAND OFFICE HILO, HAWAII					
OVERALL NEW ELECTRICAL SITE PLAN					
DESIGNED: JN			SUBMITTED: [Signature]		
DRAWN: CAD			DATE: NOVEMBER 2022		
CHECKED: JN			SCALE: AS NOTED		
APPROVED: Carty Chang E-signed 2022-11-28 04:17PM HST carty.s.chang@hawaii.gov State of Hawaii Chief Engineer			DRAWING NO. E-102		

OVERALL NEW ELECTRICAL SITE PLAN
SCALE: 3/32" = 1'-0"

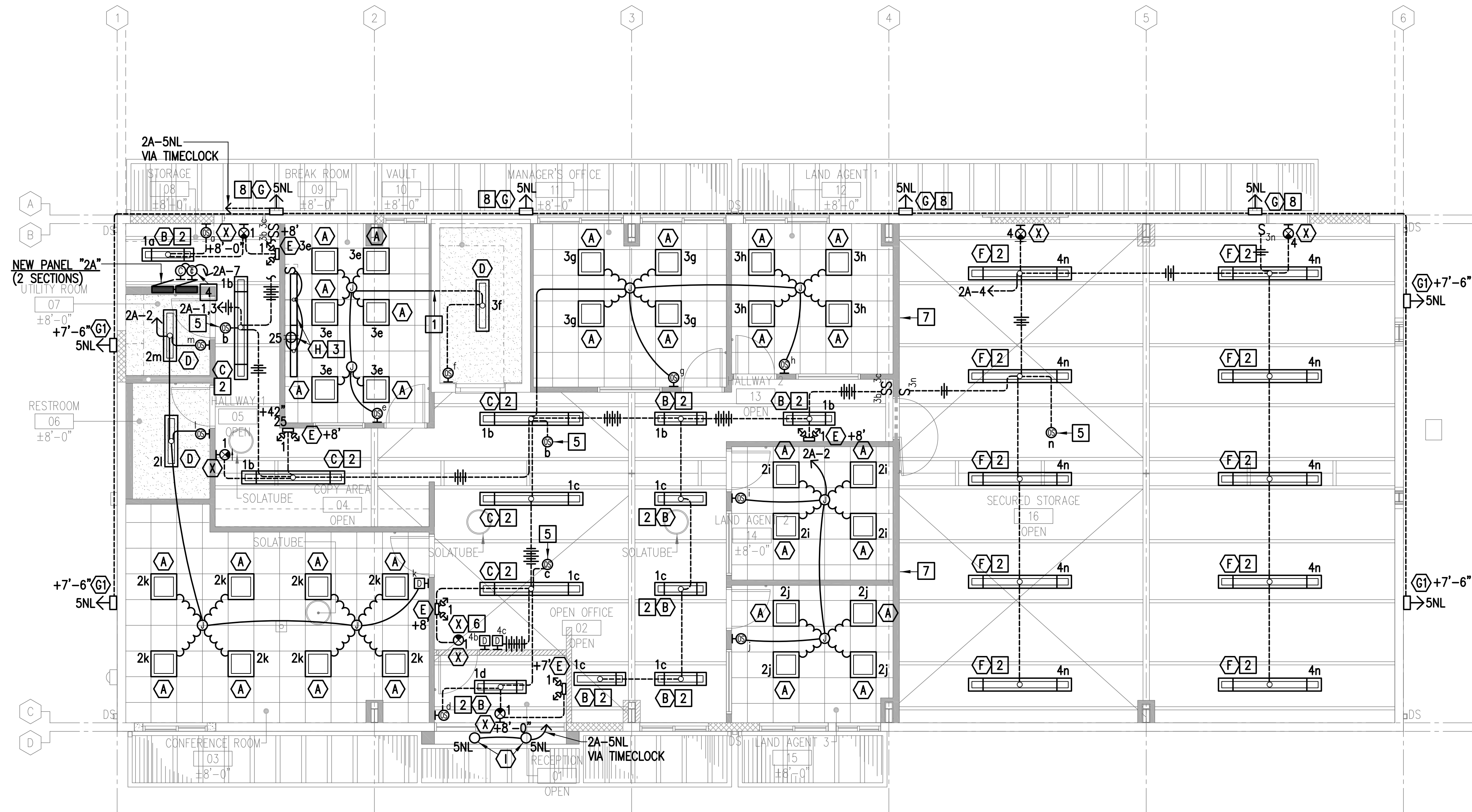




Chief Engineer
SHEET NO. 67 OF 77 SHEETS



JOB NO. E00BH30A SHEET NO. 68 OF 77 SHEETS



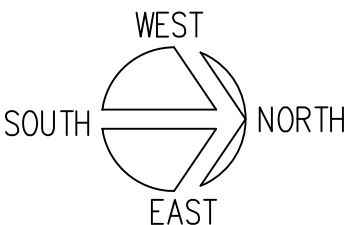
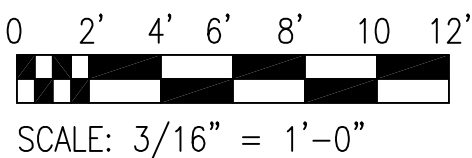
NEW LIGHTING PLAN
SCALE: 3/16" = 1'-0"



GENERAL LIGHTING NOTES

1. EXTERIOR CONDUITS AND JUNCTION BOXES SHALL BE PAINTED TO MATCH ADJACENT WALL COLOR. TYPICAL.
2. INSTALL SEPARATE NEUTRAL CONDUCTOR WITH EACH PHASE CONDUCTOR. DO NOT SHARE NEUTRAL WIRES.

NEW LIGHTING PLAN NOTES

- 1 DRILL THROUGH CONCRETE WALL. PATCH AROUND CONDUIT PENETRATION.
- 2 PENDANT MOUNT LUMINAIRE +9'-0" AFF TO BOTTOM OF LUMINAIRE.
- 3 MOUNT UNDER CABINET.
- 4 MOUNT TIME CLOCK AND LIGHTING CONTACTOR ABOVE PANEL. SEE NIGHT LIGHT DIAGRAM ON SHEET E-502 FOR ADDITIONAL INFORMATION.
- 5 STEM MOUNT CEILING OCCUPANCY SENSOR +9'-0" AFF.
- 6 STEM MOUNT EXIT SIGN +9'-0" AFF.
- 7 CONDUITS PENETRATIONS THROUGH 1-HOUR RATED WALL SHALL BE FIRESTOPPED WITH APPROVED UL LISTED FIRESTOPPING MATERIAL. SEE CONDUIT PENETRATION OF FIRE WALL DETAIL ON SHEET E-502.
- 8 WALL MOUNT LUMINAIRE AT +7'-0" AFF FROM TOP OF LUMINAIRE HOUSING.



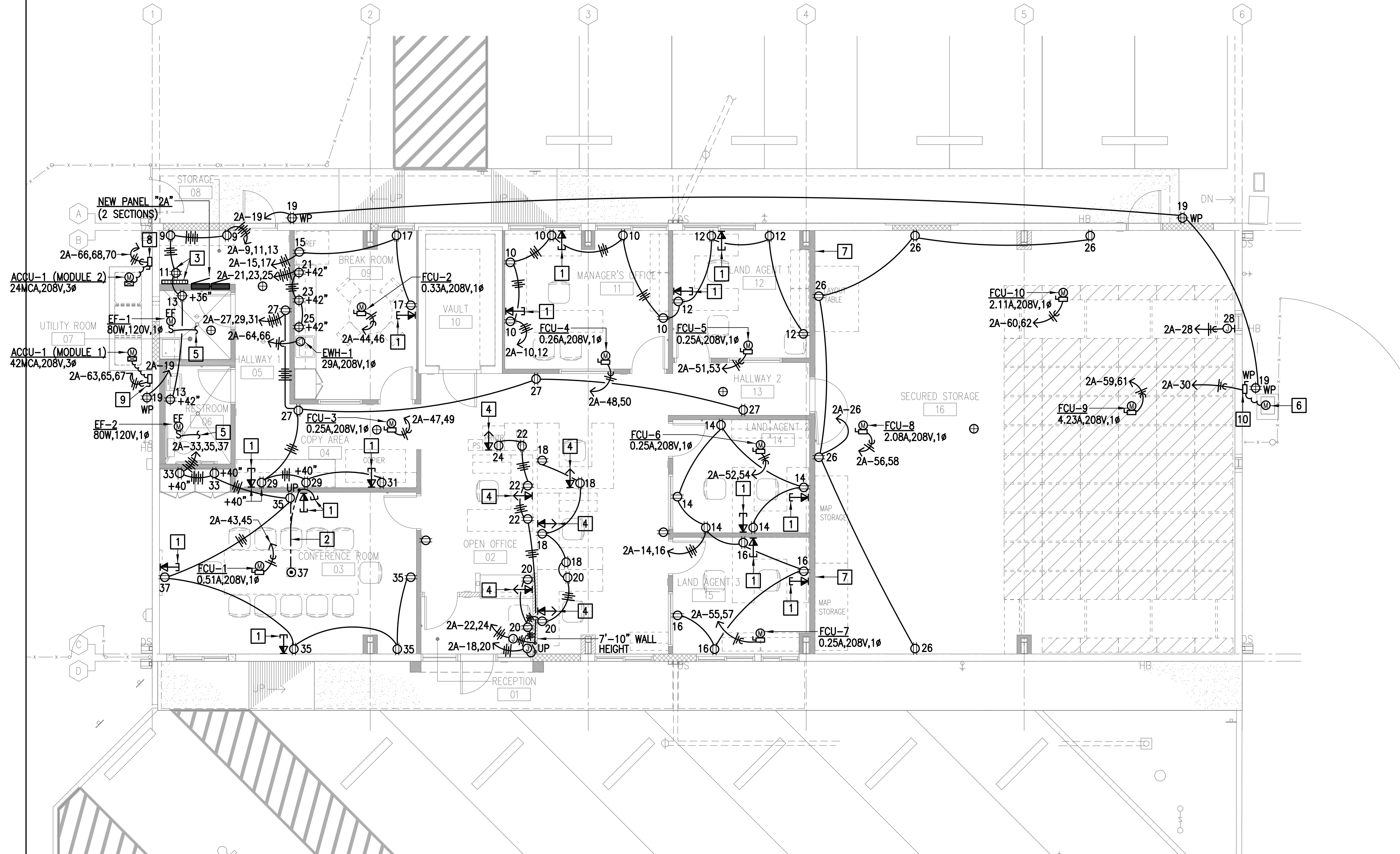
REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
<div><div><div><div><div><div></div><div>JOHN M. NOWURA</div></div><div><div></div><div>LICENSED PROFESSIONAL ENGINEER</div></div><div><div></div><div>No. 11670-E</div></div><div><div></div><div>HAWAII, U.S.A.</div></div></div></div><div><div>THIS LICENSE EXPIRES APRIL 30, 2024</div><div></div><div>SIGNATURE</div></div><div><div>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 CHAPTER 18-115 OF THE HAWAII ADMINISTRATIVE RULES, DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS (ENTITLED PROFESSIONAL ENGINEERS, ARCHITECTS, SURVEYORS AND LANDSCAPE ARCHITECTS).</div></div></div></div>			STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION		
			HAWAII DISTRICT LAND OFFICE HILO, HAWAII		
			NEW LIGHTING PLAN		
DESIGNED: JN		SUBMITTED: 			
DRAWN: CAD		DATE: NOVEMBER 2022			
CHECKED: JN		SCALE: AS NOTED			
APPROVED:		Carty Chang E-signed 2022-11-28 04:17PM HST carty.s.chang@hawaii.gov State of Hawaii		DRAWING NO. <div>E-301</div>	
CHIEF ENGINEER					

GENERAL POWER & SIGNAL NOTE

1. INSTALL SEPARATE NEUTRAL CONDUCTOR WITH EACH PHASE CONDUCTOR. DO NOT SHARE NEUTRAL WIRES.

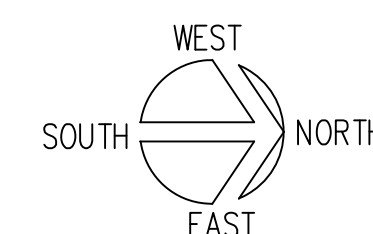
NEW POWER & SIGNAL NOTES

- 1 1" C WITH TWO CAT6 CABLES TO TELECOMMUNICATION EQUIPMENT RACK. REFER TO TELECOMMUNICATION DETAILS ON SHEET E-501 FOR ADDITIONAL REQUIREMENTS.
- 2 SAWCUT EXISTING CONCRETE SLAB. INSTALL ONE 3/4" C FOR POWER AND ONE 1" C WITH PULLSTRING FOR DATA CONDUIT. PATCH CONCRETE TO BE LEVEL WITH EXISTING FLOOR.
- 3 TELECOMMUNICATION BACKBOARD. FIELD COORDINATE EXACT BACKBOARD SIZE AND LOCATION WITH DLNR IT DEPARTMENT PRIOR TO START OF WORK. MOUNT QUAD RECEPTACLE AT BOTTOM OF BACKBOARD.
- 4 PROVIDE 1" C WITH TWO CAT 6 CABLES FROM EACH TELECOM OUTLET. RUN CONDUIT INSIDE LOW HEIGHT WALL UP TO FULL HEIGHT WALL TO TELECOMMUNICATION EQUIPMENT RACK. PAINT EXPOSED CONDUITS TO MATCH OPEN CEILING COLOR. REFER TO TELECOMMUNICATION DETAILS ON SHEET E-501 FOR ADDITIONAL REQUIREMENTS.
- 5 INTERLOCK EXHAUST FAN WITH LIGHT SWITCH. CONNECT TO LIGHTING BRANCH CIRCUIT WITHIN BATHROOM.
- 6 ELECTRONIC GATE CONTROLLER. FIELD COORDINATE CONNECTION REQUIREMENTS WITH GATE INSTALLER PRIOR TO START OF WORK.
- 7 CONDUITS PENETRATIONS THROUGH 1-HOUR RATED WALL SHALL BE FIRESTOPPED WITH APPROVED UL LISTED FIRESTOPPING MATERIAL. SEE CONDUIT PENETRATION OF FIRE WALL DETAIL ON SHEET E-502.
- 8 3P30A N.F. DISCONNECT SWITCH. NEMA 4X STAINLESS STEEL.
- 9 3P60A N.F. DISCONNECT SWITCH. NEMA 4X STAINLESS STEEL.
- 10 1P30A N.F. DISCONNECT SWITCH. NEMA 4X STAINLESS STEEL.

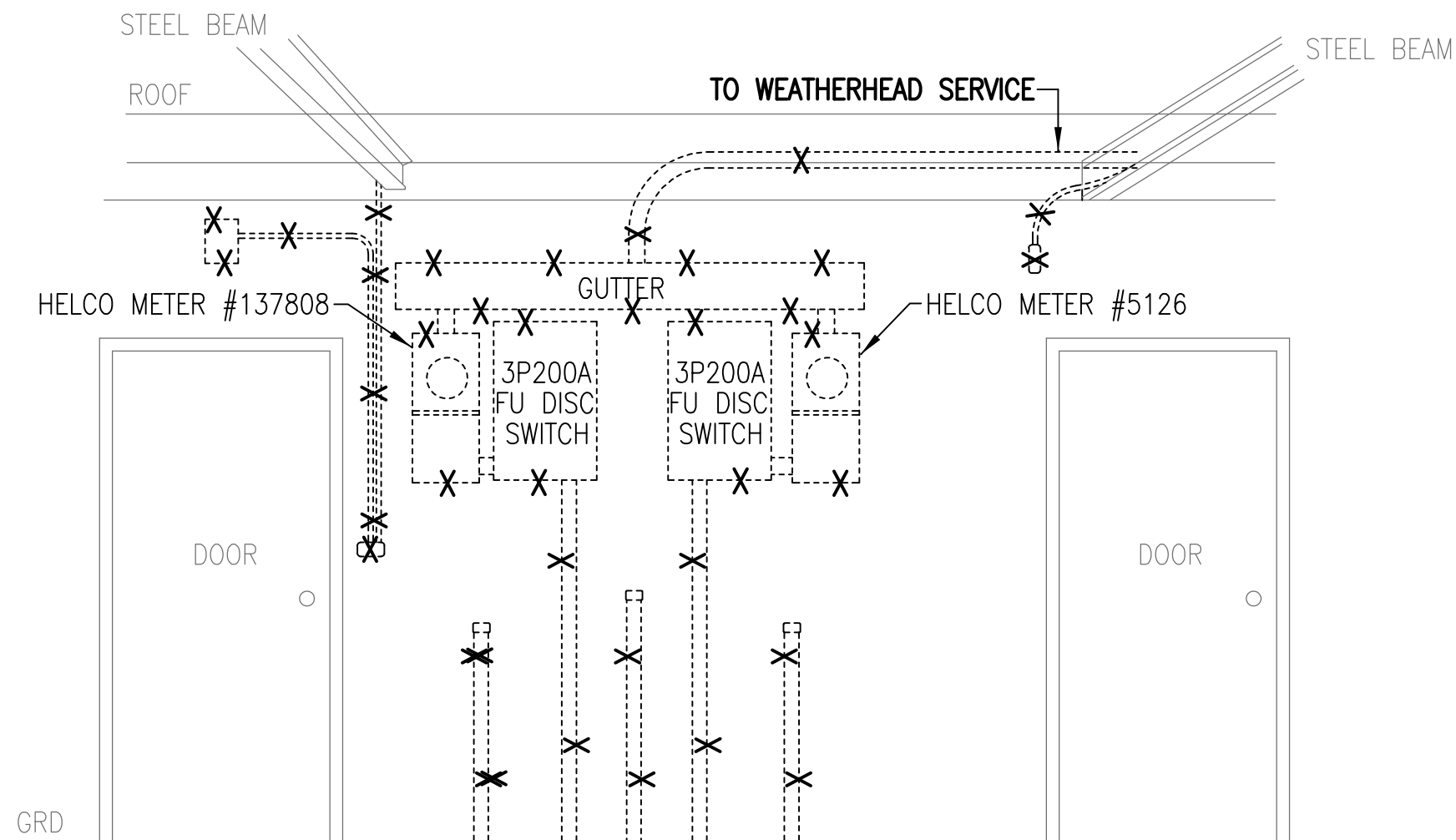


NEW POWER & SIGNAL PLAN

SCALE: 3/16" = 1'-0"

0 2' 4' 6' 8' 10 12'
SCALE: 3/16" = 1'-0"

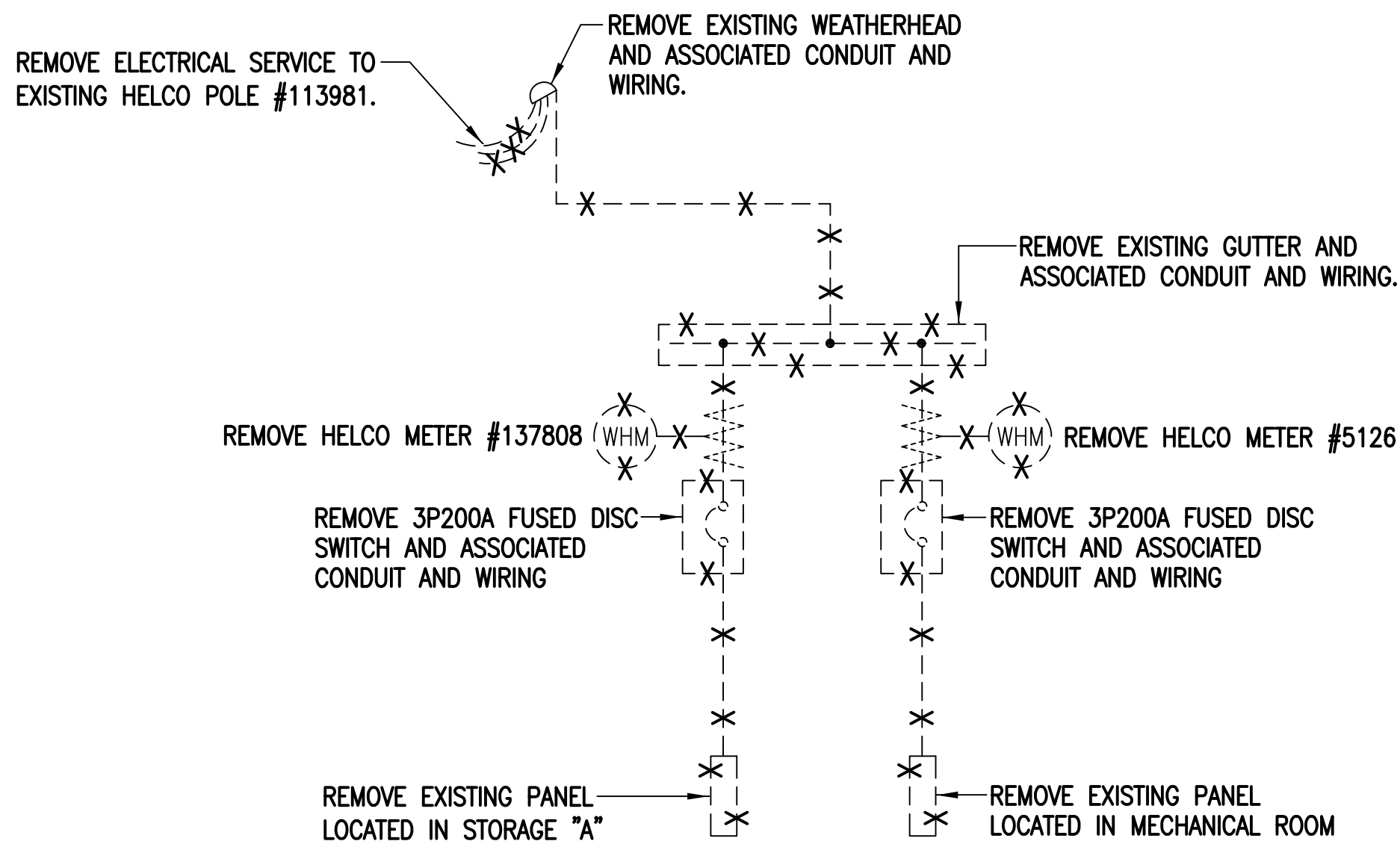
REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION					
HAWAII DISTRICT LAND OFFICE HILO, HAWAII					
NEW POWER AND SIGNAL PLAN					
DESIGNED: JN		SUBMITTED:			
DRAWN: CAD		DATE: NOVEMBER 2022			
CHECKED: JN		SCALE: AS NOTED			
APPROVED:		Carty Chang E-signed 2022-11-28 04:17PM HST carty.s.chang@hawaii.gov State of Hawaii Chief Engineer		DRAWING NO. E-302	



EXISTING SERVICE EQUIPMENT NOTES

1. REMOVE ALL EXISTING ELECTRICAL SERVICE EQUIPMENT, CONDUIT AND WIRING. COORDINATE WITH HELCO FOR METER REMOVAL PRIOR TO START OF WORK.
2. CUT EXISTING CONDUITS GOING UNDER GROUND AND REMOVE WIRING. PATCH SIDEWALK TO BE LEVEL AND MATCH CONCRETE SURFACE.
3. PATCH EXISTING CMU WALL WHERE APPARATUS EQUIPMENT AND CONDUITS ARE REMOVED. PATCH TO MATCH EXISTING SURFACE.

EXISTING SERVICE EQUIPMENT DEMOLTION DETAIL
NOT TO SCALE

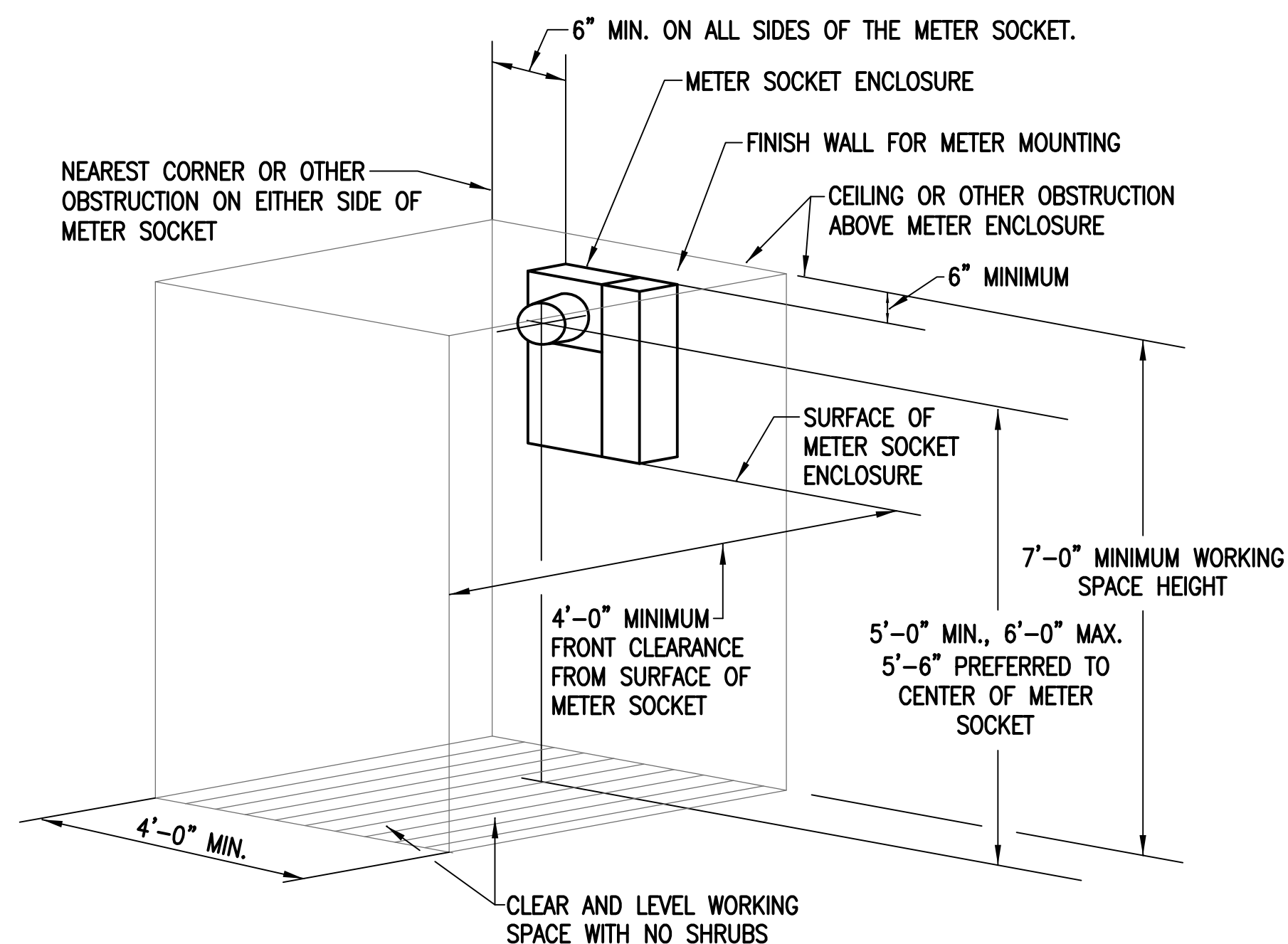
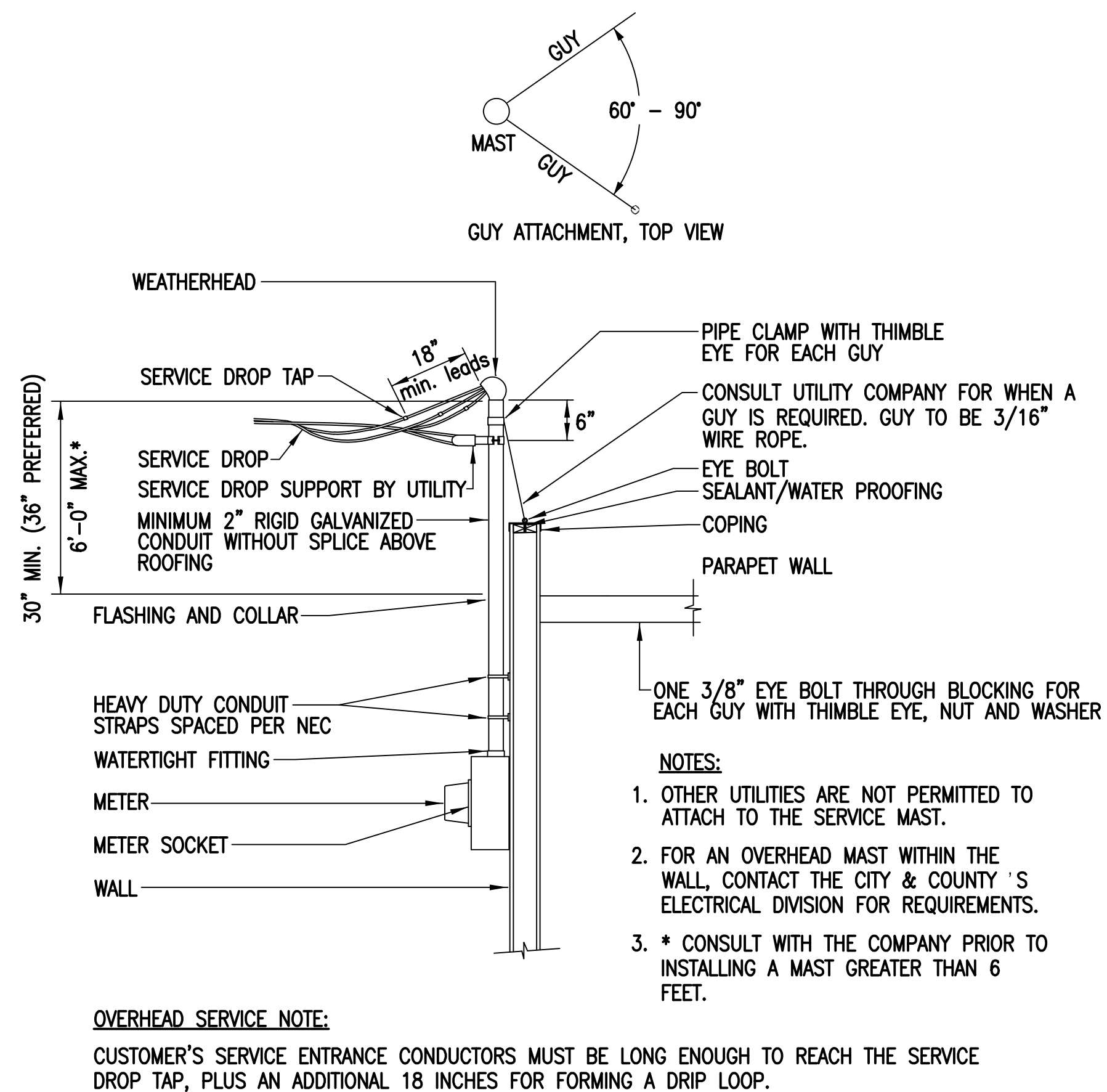


DEMOLITION SINGLE LINE DIAGRAM NOTES

1. CONTRACTOR SHALL COORDINATE WITH HELCO FOR EXISTING SERVICE REMOVAL PRIOR TO START OF WORK.
2. REMOVE ALL EXISTING SERVICE EQUIPMENT, CONDUIT AND WIRING.

DEMOLITION SINGLE LINE DIAGRAM
NOT TO SCALE

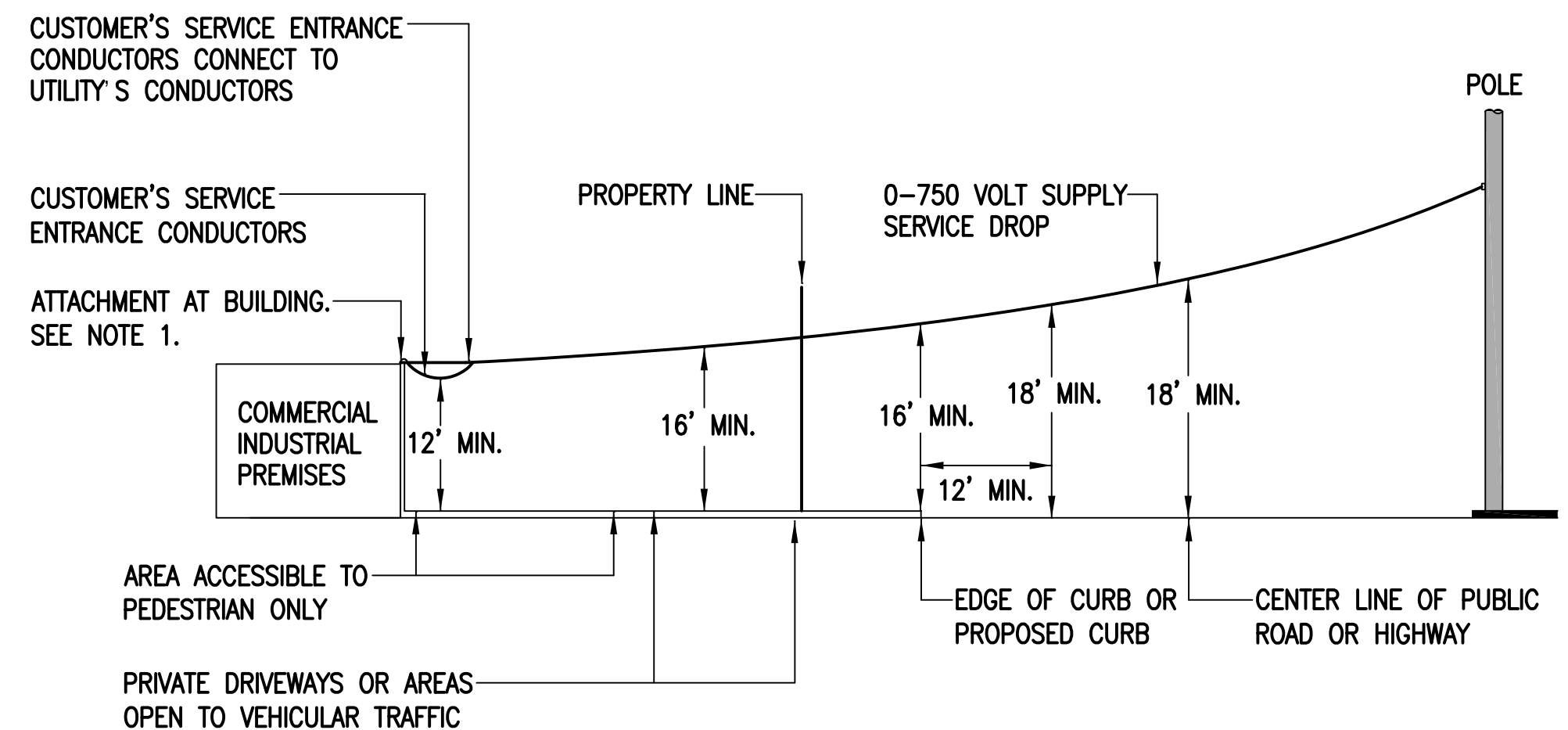
REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION					
HAWAII DISTRICT LAND OFFICE HILO, HAWAII					
EXISTING SERVICE EQUIPMENT DEMOLITION DETAIL, DEMOLITION SINGLE LINE DIAGRAM					
DESIGNED: JN			SUBMITTED:		
DRAWN: CAD			DATE: NOVEMBER 2022		
CHECKED: JN			SCALE: AS NOTED		
APPROVED: Carty Chang E-signed 2022-11-28 04:17PM HST carty.s.chang@hawaii.gov State of Hawaii Chief Engineer			DRAWING NO. E-401		



CLEARANCES AROUND METERING EQUIPMENT NOTES

THE FOLLOWING CLEARANCES SHALL BE PROVIDED AROUND ALL METERING EQUIPMENT:

1. EQUIPMENT CLEARANCE OF SIX INCHES AROUND METERING EQUIPMENT (ABOVE, BELOW, AND TO THE SIDES). THIS CLEARANCE SHALL BE MAINTAINED FROM ANY CORNER, DOOR, ENTRYWAY, WINDOW, OBSTRUCTION, OR TO ANY LOAD SIDE EQUIPMENT.
2. FRONTAL WORKING CLEARANCE OF 4 FEET BY 4 FEET BY 7 FEET. WHERE THE TOTAL WIDTH OF THE METERING INSTALLATION IS GREATER THAN 4 FEET, THIS CLEARANCE SHALL BE WIDENED ACCORDINGLY. THIS WORKING CLEARANCE SHALL BE LEVEL AND CLEAR TO ALLOW FOR THE USE OF A LADDER. IN ADDITION, THIS WORKING CLEARANCE SHALL BE KEPT FREE FROM ANY OBSTRUCTIONS SUCH AS WALLS, FENCES, TREES, HEDGES, OTHER STRUCTURES, AND EQUIPMENT.

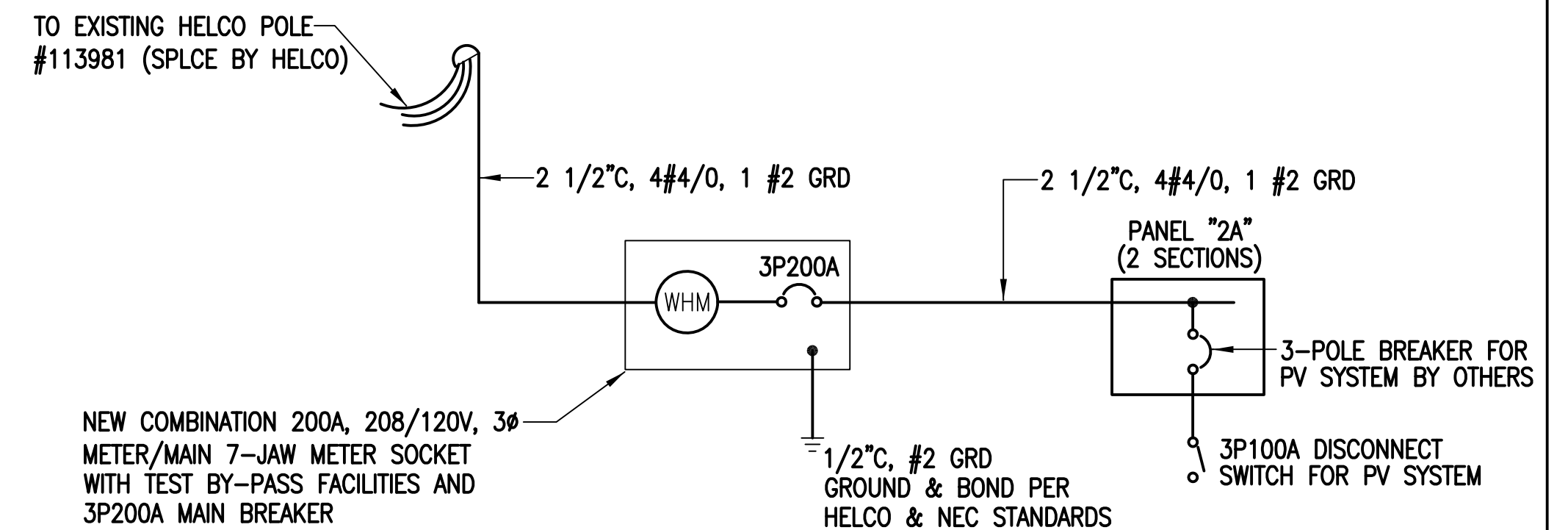


SERVICE DROP CLEARANCES NOTES:

1. THE RADIAL CLEARANCE BETWEEN SUPPLY SERVICE DROP CONDUCTORS AND COMMUNICATION SERVICE DROP CONDUCTORS SHALL BE NOT LESS THAN 24 INCHES. WHERE WITHIN 15 FEET OF THE POINT OF ATTACHMENT OF EITHER SERVICE DROP, THIS CLEARANCE MAY BE REDUCED TO 12 INCHES.
2. THE MINIMUM VERTICAL CLEARANCE ABOVE BRIDGES, FENCES, WALLS OR OTHER STRUCTURES UPON WHICH PEOPLE CAN WALK, IS 8 FEET. FOR VERTICAL CLEARANCE ABOVE BUILDINGS, SEE NESC.

SERVICE DROP CLEARANCES DETAIL

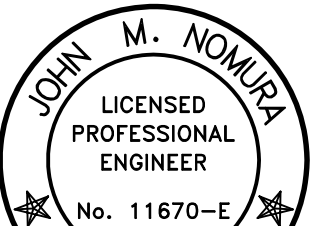



NOT TO SCALE

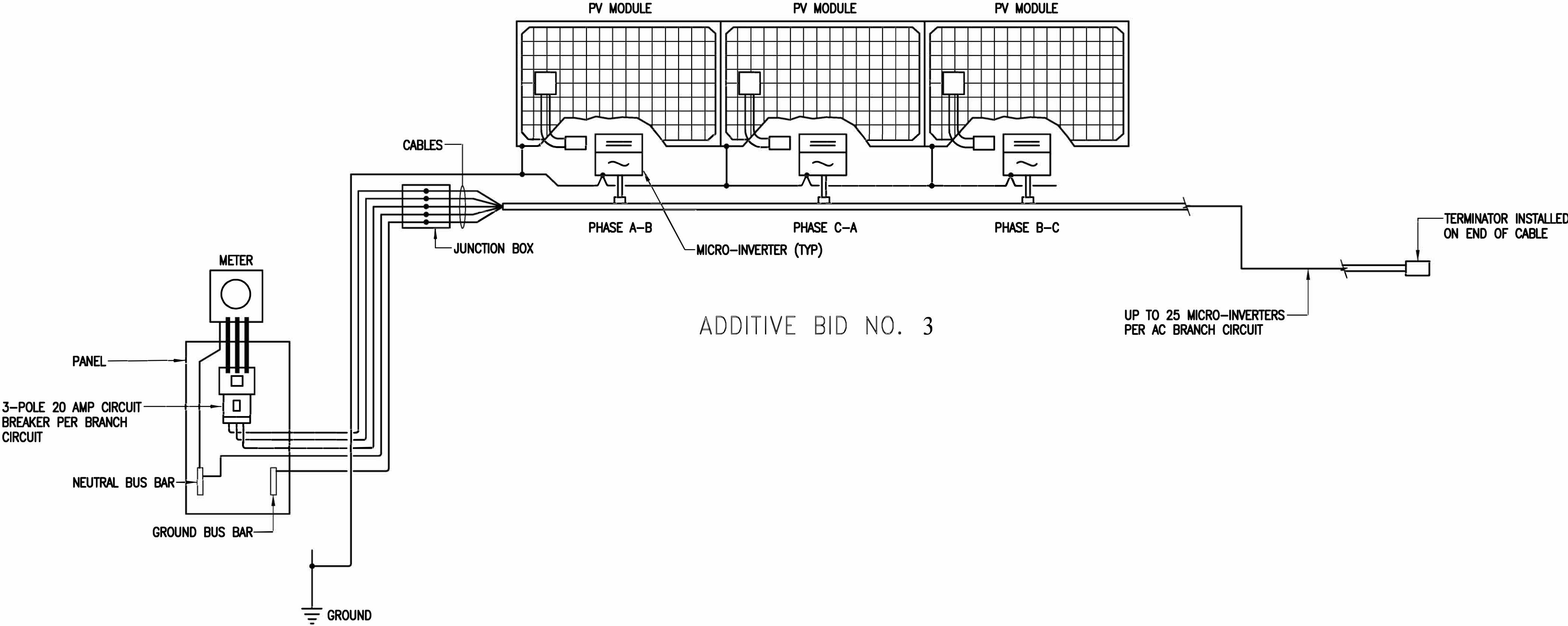


NOTE:

1. PROVIDE PROVISIONS FOR PV SYSTEM.

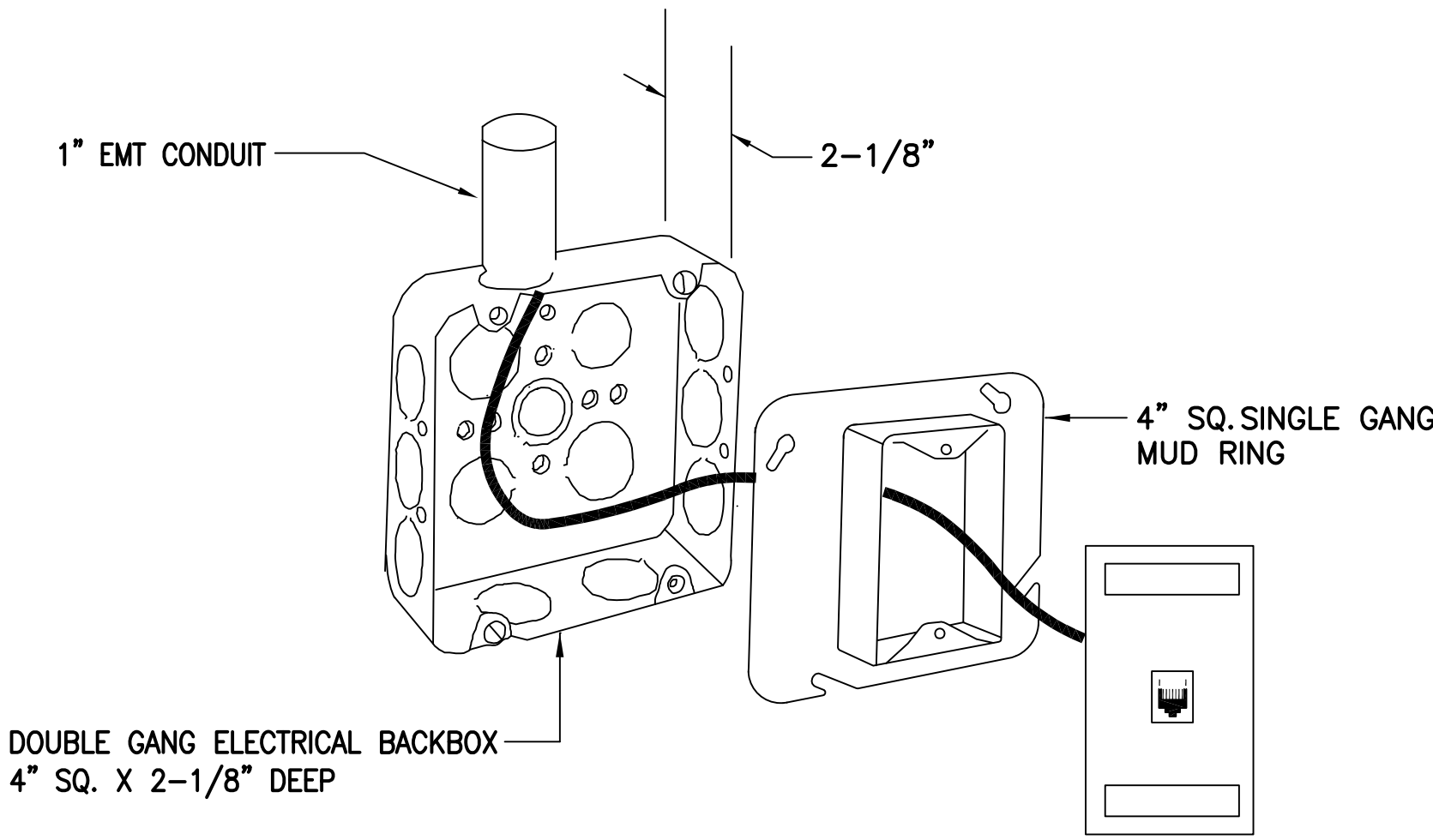
NEW SINGLE LINE DIAGRAM

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
<div style="text-align: center;">  <p>JOHN M. NOMURA LICENSED PROFESSIONAL ENGINEER No. 11670-E HAWAII, U.S.A.</p> </div> <div style="text-align: center; margin-top: 20px;">  <small>THIS LICENSE EXPIRES APRIL 30, 2024</small> <small>SIGNATURE</small> </div> <p>THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. I CERTIFY THE CONSTRUCTION AS DEFINED IN CHAPTER 113 OF THE HAWAII ADMINISTRATIVE RULES, DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS, ENTITLED PROFESSIONAL ENGINEERS, ARCHITECTS, SURVEYORS AND LANDSCAPE ARCHITECTS.</p>			STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION HAWAII DISTRICT LAND OFFICE HILO, HAWAII		
			ELECTRICAL DETAILS, NEW SINGLE LINE DIAGRAM		
			DESIGNED: JN		
			DRAWN: CAD		
			CHECKED: JN		
APPROVED:			SUBMITTED:  		
CHIEF ENGINEER			DATE: NOVEMBER 2022		
Carty Chang E-carty.s.chang@hawaii.gov State of Hawaii			SCALE: AS NOTED		
DRAWING NO.			E-402		

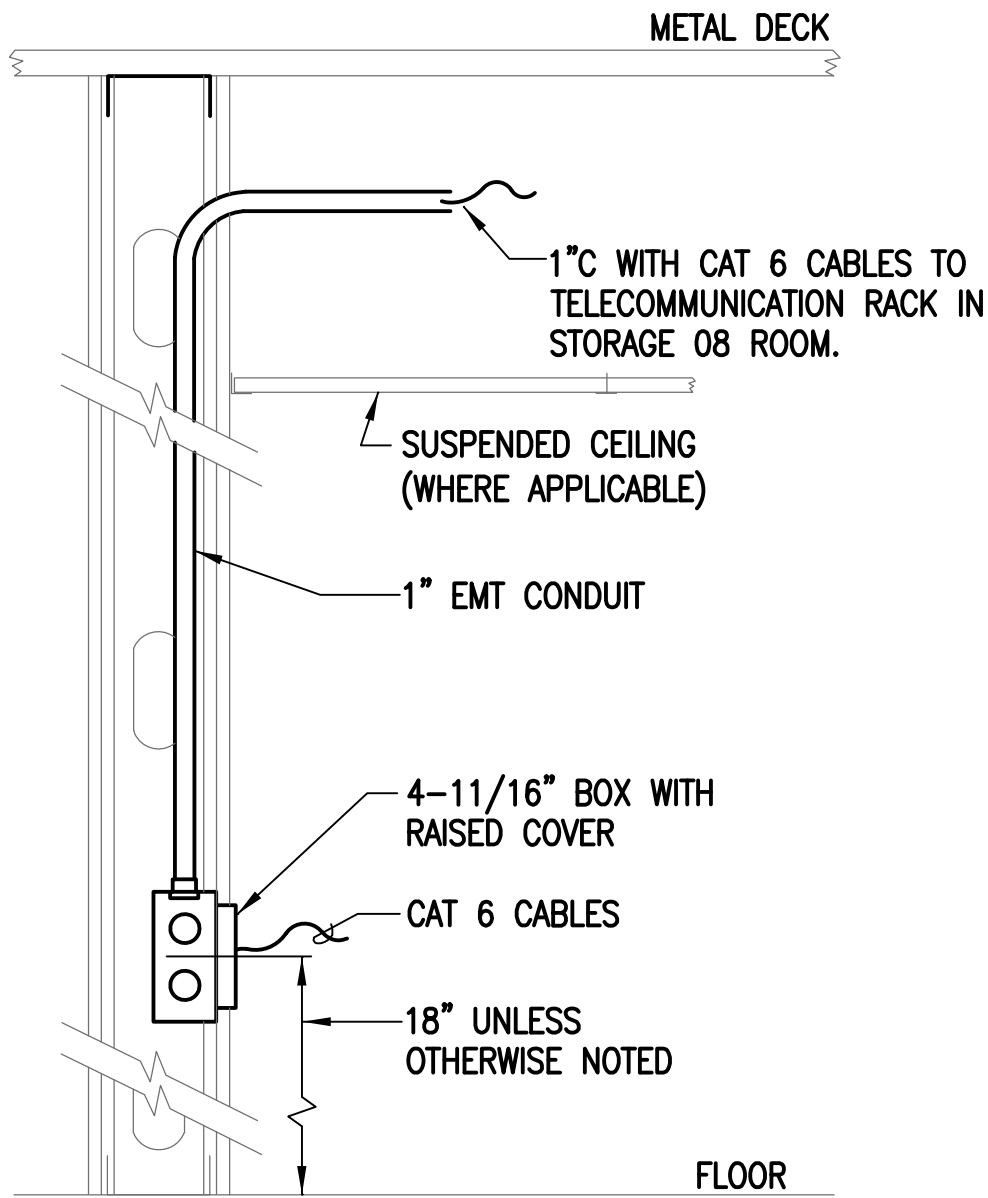


MICRO INVERTER WIRING DIAGRAM (3 PHASE 208V)
NOT TO SCALE

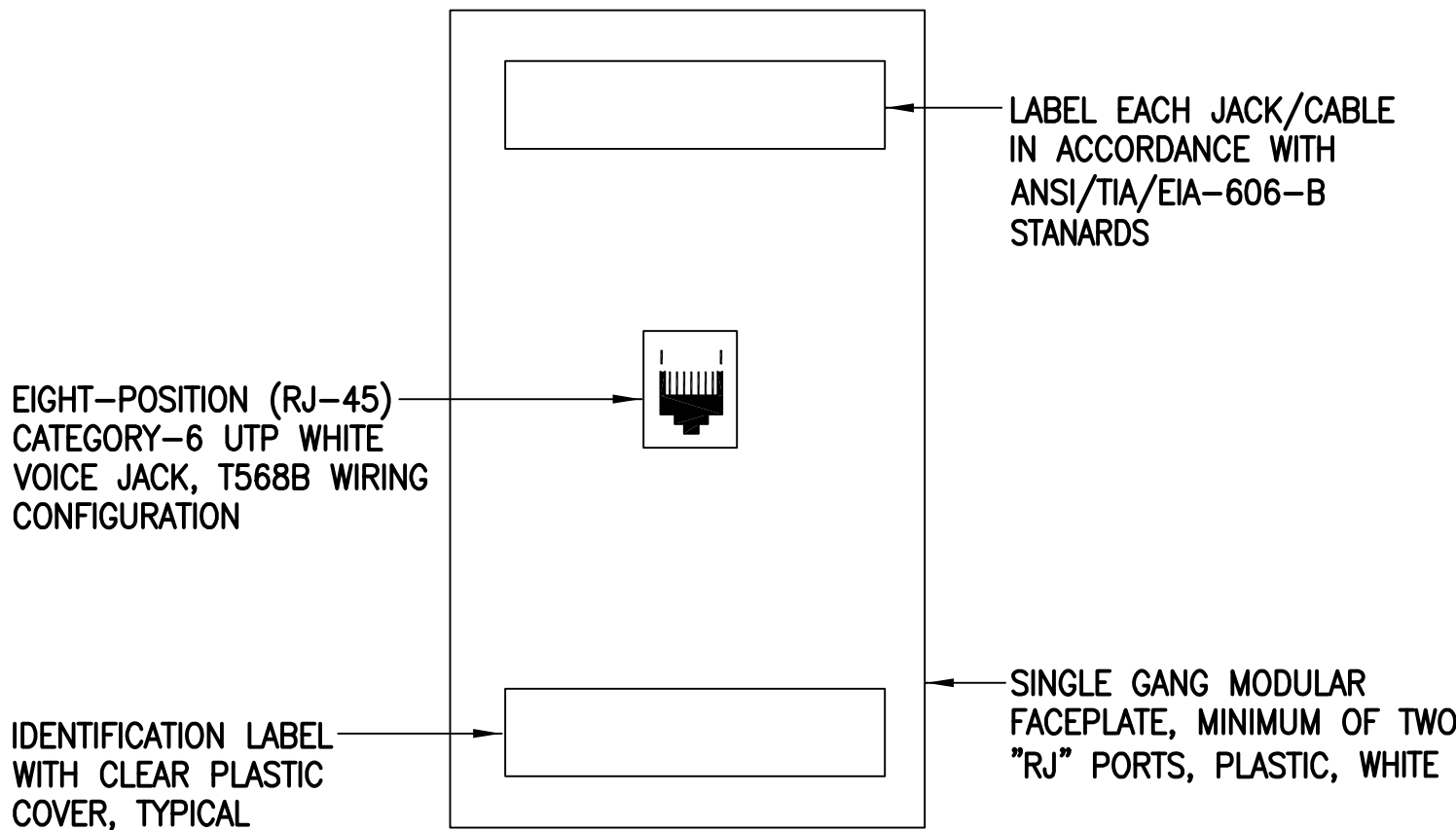
REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION					
HAWAII DISTRICT LAND OFFICE HILO, HAWAII					
PV WIRING DIAGRAM					
DESIGNED: JN		SUBMITTED:			
DRAWN: CAD		DATE: NOVEMBER 2022			
CHECKED: JN		SCALE: AS NOTED			
APPROVED:		Carty Chang E-signed 2022-11-28 04:17PM HST carty.s.chang@hawaii.gov State of Hawaii		DRAWING NO. E-403	
CHIEF ENGINEER		Chief Engineer			



TEL/DATA OUTLET BOX DETAIL
NOT TO SCALE



TYPICAL DATA AND TELEPHONE OUTLET DEVICE DETAIL
NOT TO SCALE

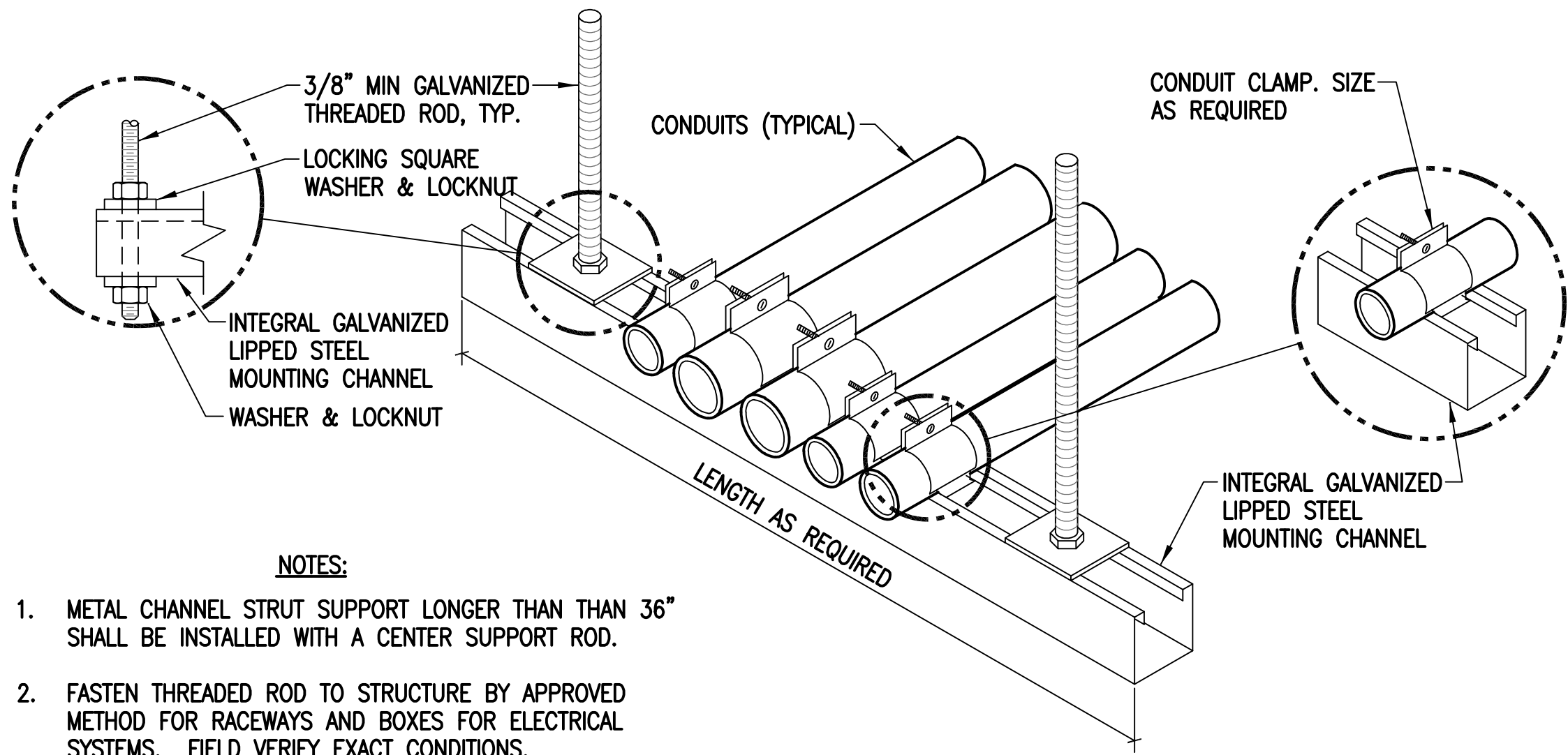


TEL/DATA OUTLET DETAIL
NOT TO SCALE

GENERAL TELECOMMUNICATION NOTES

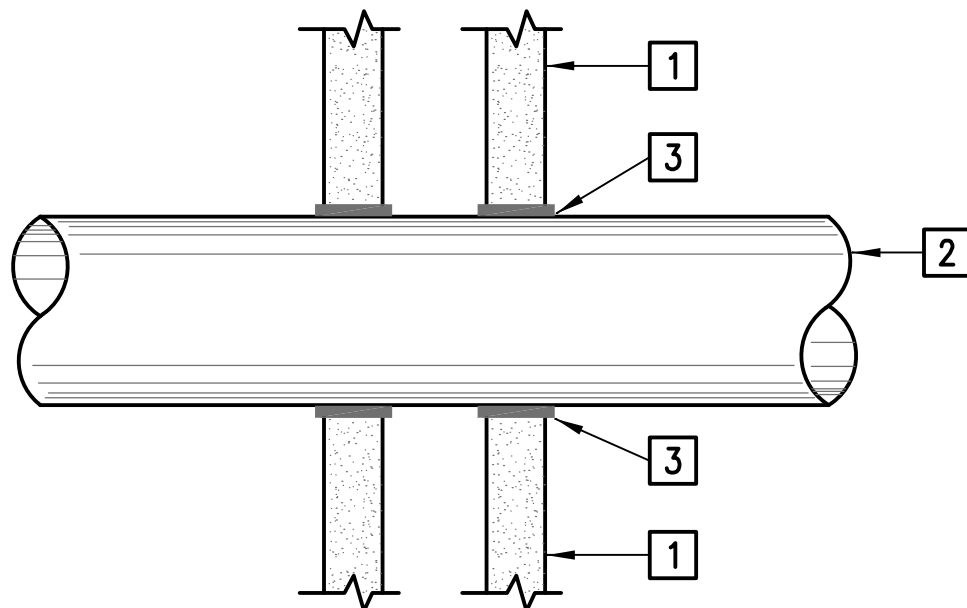
1. TELECOMMUNICATION CABLING AND CONDUITS SHALL BE SUPPLIED BY ELECTRICAL CONTRACTOR AND CABLING INSTALLED BY A CERTIFIED NETWORK CABLE INSTALLER.
2. CONTRACTOR SHALL PROVIDE AND INSTALL TWO CAT 6 CABLES PER TELEPHONE/DATA OUTLET. CAT 6 CABLE FOR TELECOMMUNICATIONS CABLING SHALL BE ROUTED TO TELECOMMUNICATIONS EQUIPMENT RACK DESIGNATION ON DRAWING AND TERMINATED IN PATCH PANEL(S).
3. INSTALL IN ACCORDANCE WITH ANSI/TIA/EIA-568-C1, ANSI/TIA/EIA-568-C.2, ANSI/TIA/EIA-569-B STANDARDS AND NEC 2017 ARTICLE 800 REQUIREMENTS.
4. MAXIMUM ALLOWED LENGTH OF CAT 6 CABLE IS 328 FEET WHEN USED FOR 10/100/1000BASE-T.
5. TELECOM DROPS MUST TERMINATE IN A UTP PATCH PANEL LOCATED IN RACK ON THE NETWORK END AND A RJ-45 DEVICE END.
6. TELECOM BOXES MUST BE LABELED WITH THE PATCH PANEL NAME/NUMBER FROM THE PATCH PANEL IT TERMINATE IN.
7. TELECOMMUNICATION INFRASTRUCTURE SHALL BE LABELED AND IDENTIFIED IN ACCORDANCE WITH ANSI/TIA/EIA-606-A.
8. GROUNDING AND BONDING FOR INTERIOR TELECOMMUNICATIONS INFRASTRUCTURE SHALL BE IN ACCORDANCE WITH ANSI/TIA/EIA-607 AND NEC 2017 GROUNDING REQUIREMENTS.
9. TELECOMMUNICATION CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES TO AVOID CONFLICTS WITH ELECTRICAL, MECHANICAL, PLUMBING, AND ARCHITECTURAL ELEMENTS OF THIS PROJECT.
10. FOR CONDUIT RUNS MORE THAN 100 FEET, PULL BOXES SHALL BE PROVIDED SO THAT NO SEGMENT BETWEEN PULL POINTS EXCEED THE 100 FOOT LIMIT.
11. NO SECTION SHALL CONTAIN MORE THAN TWO 90 DEGREE BENDS.
12. FOR CONDUITS WITH INTERNAL DIAMETER OF 2 INCHES OR LESS, INSIDE BEND RADIUS SHALL BE AT LEAST 6 TIMES THE INTERNAL DIAMETER.

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
<div><div><div>JOHN M. NOWURA</div><div>LICENSED PROFESSIONAL ENGINEER</div><div>No. 11670-E</div><div>HAWAII, U.S.A.</div></div><div><div>THIS LICENSE EXPIRES APRIL 30, 2024</div><div></div><div><small>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 CHAPTER 18-115 OF THE HAWAII ADMINISTRATIVE RULES, DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS, ENTITLED PROFESSIONAL ENGINEERS, ARCHITECTS, SURVEYORS AND LANDSCAPE ARCHITECTS)</small></div></div></div> <div>STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION</div> <div>HAWAII DISTRICT LAND OFFICE HILO, HAWAII</div> <div>TELECOMMUNICATION DETAILS</div> <div>DESIGNED: JN DRAWN: CAD CHECKED: JN</div> <div>SUBMITTED: DATE: NOVEMBER 2022 SCALE: AS NOTED</div> <div>APPROVED: Carty Chang E-signed 2022-11-28 04:17PM HST carty.s.chang@hawaii.gov State of Hawaii Chief Engineer</div> <div>DRAWING NO. E-501</div>					



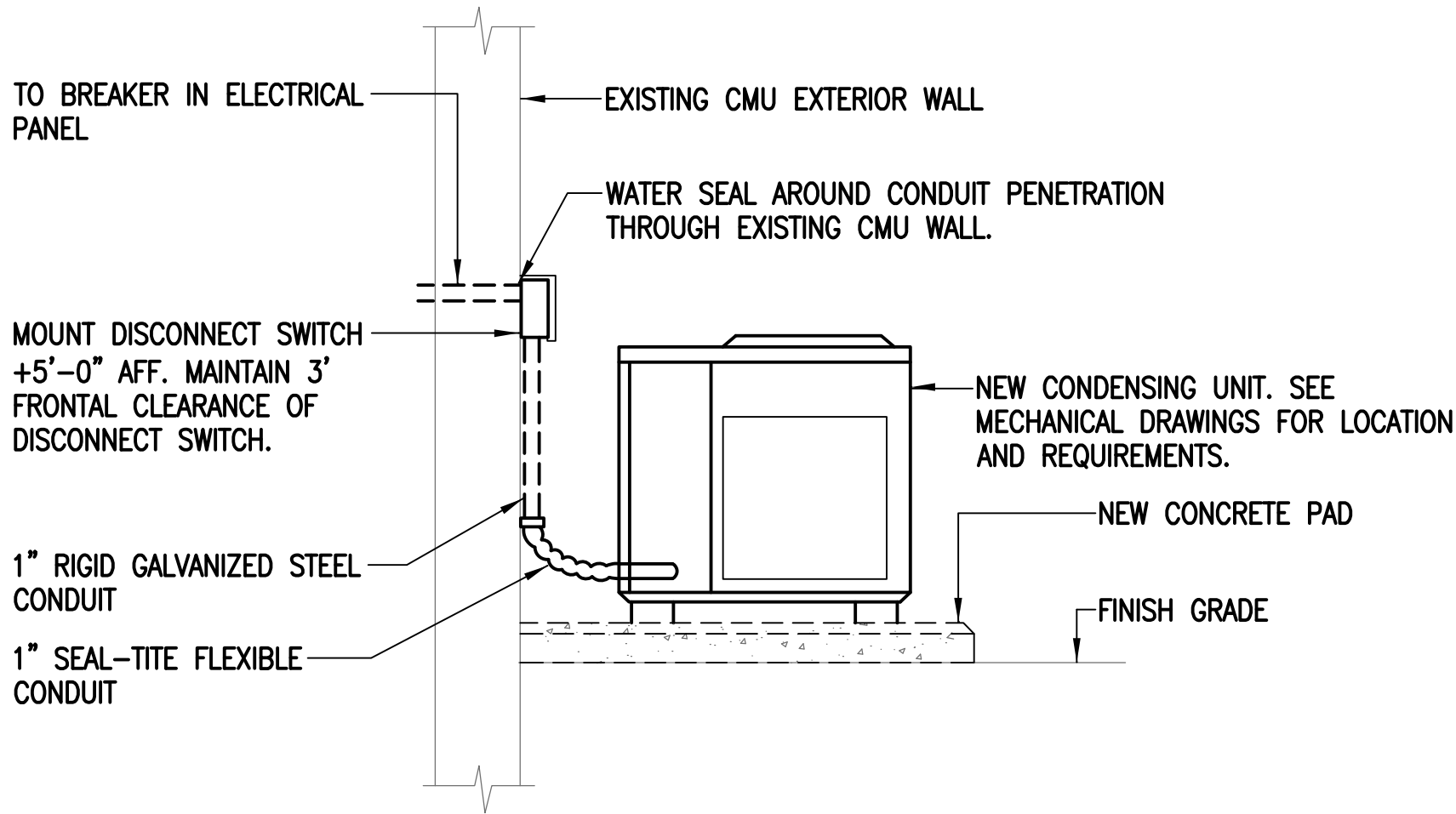
- NOTES:
- METAL CHANNEL STRUT SUPPORT LONGER THAN 36" SHALL BE INSTALLED WITH A CENTER SUPPORT ROD.
 - FASTEN THREADED ROD TO STRUCTURE BY APPROVED METHOD FOR RACEWAYS AND BOXES FOR ELECTRICAL SYSTEMS. FIELD VERIFY EXACT CONDITIONS.

CONDUIT TRAPEZE MOUNTING DETAIL
NOT TO SCALE

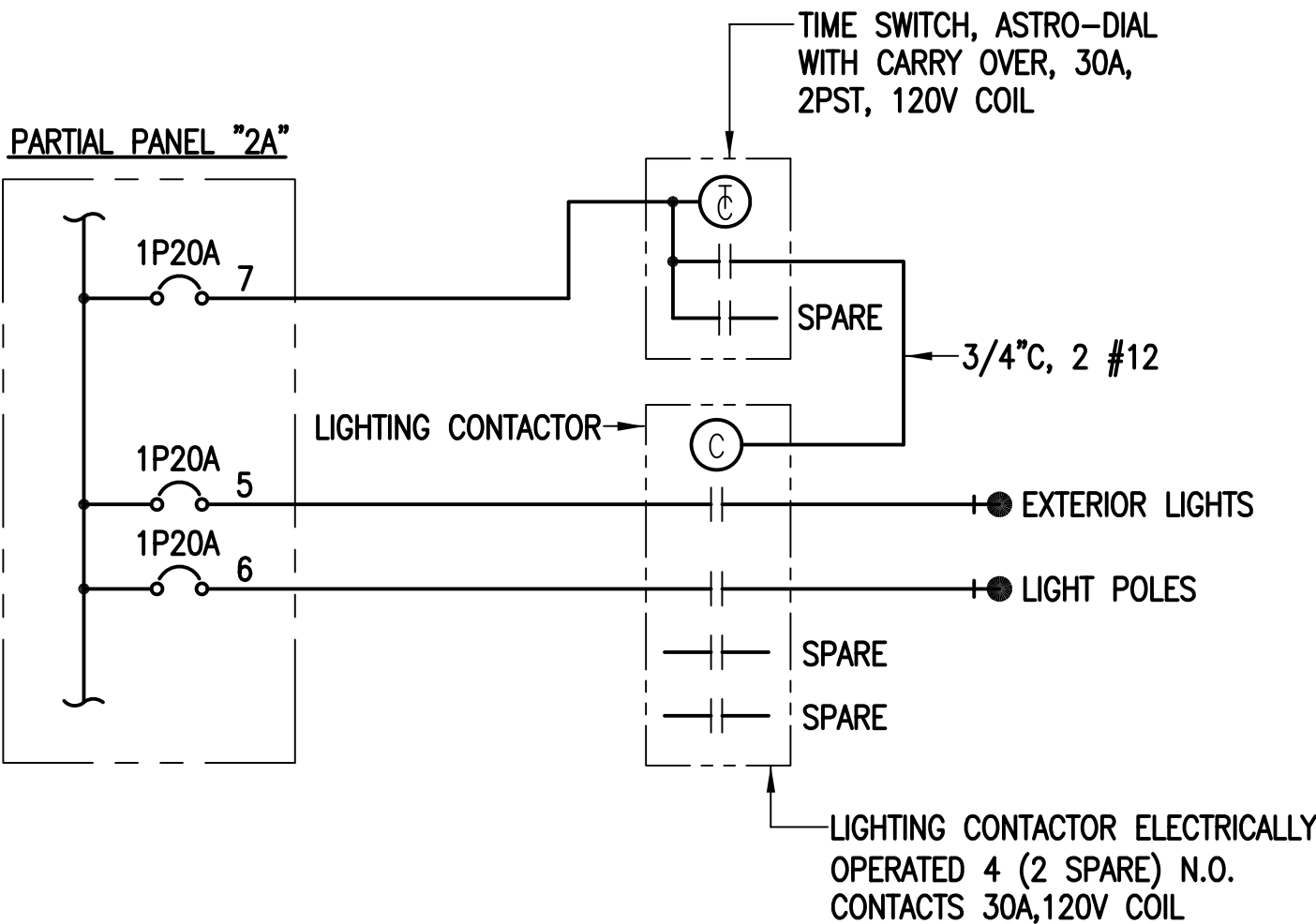


- NOTES:
- 1-HOUR FIRE RATED GYPSUM WALLBOARD.
 - A MAXIMUM OF ONE CONDUIT IS PERMITTED IN THE FIRE STOP SYSTEM. CONDUIT TO BE INSTALLED NEAR CENTER OF STUD CAVITY WIDTH AND TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY.
 - CAULK FILL MATERIAL BEARING THE UL CLASSIFICATION MARKING INSTALLED TO COMPLETELY FILL OPEN SPACE BETWEEN CONDUIT AND GYPSUM WALLBOARD. PROVIDE A MINIMUM OF 1/2" DIAMETER BEAD OF RED CAULK APPLIED TO PERIMETER OF CONDUIT AT ITS EGRESS FROM THE WALL. INSTALL CAULK SYMMETRICALLY ON BOTH SIDES OF WALL ASSEMBLY. THE HOURLY RATING IS OF THE FIRE STOP SYSTEM IS DEPENDANT UPON THE TYPE & SIZE OF CONDUIT.

CONDUIT PENETRATION OF FIRE WALL DETAIL
NOT TO SCALE

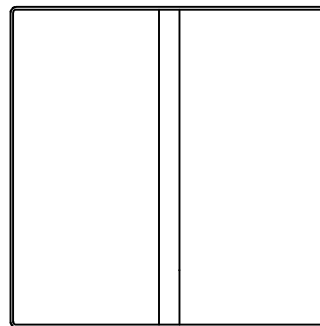
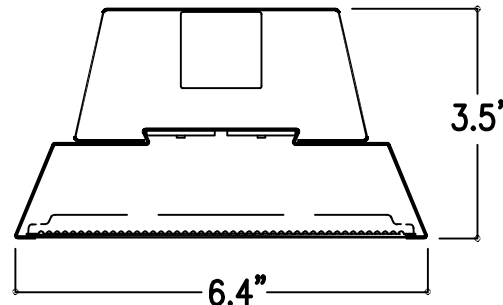
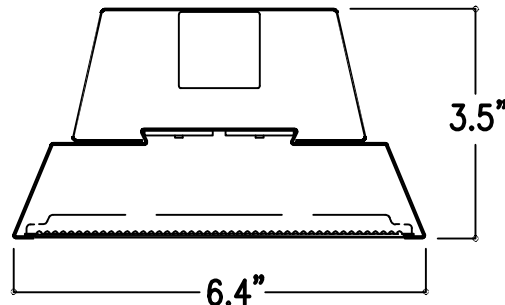
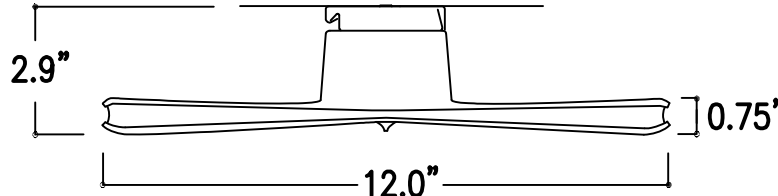
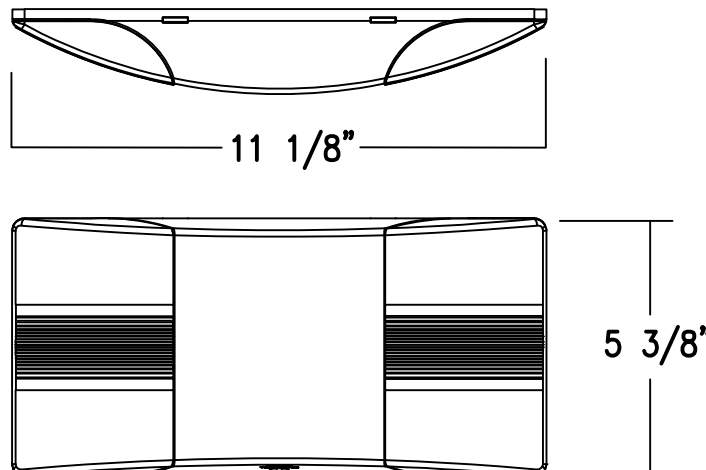
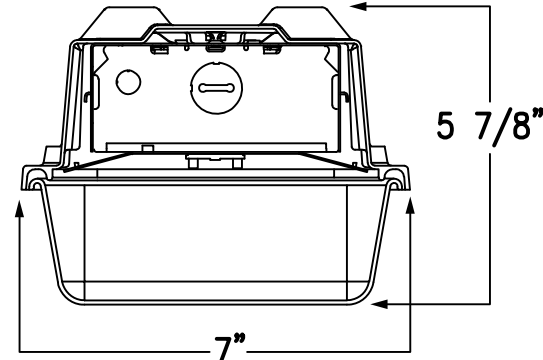
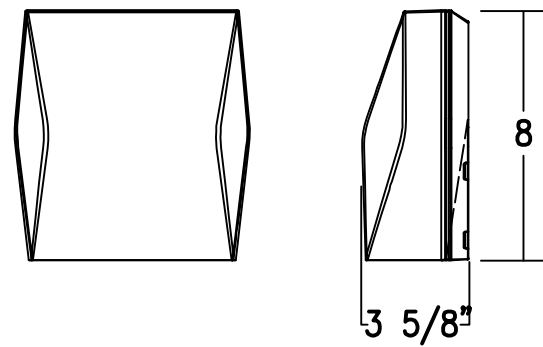
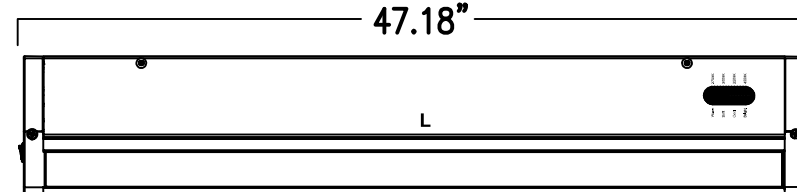
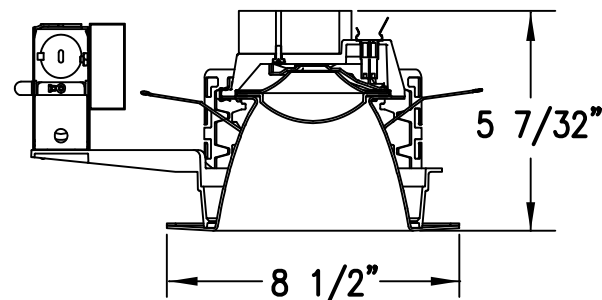
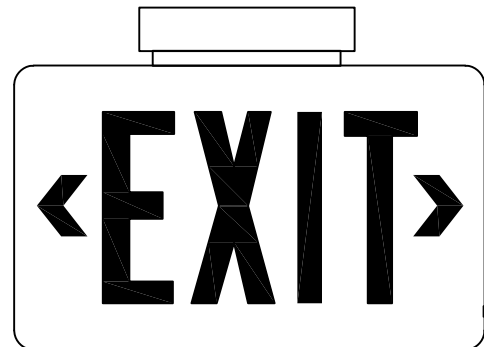


OUTDOOR A/C CONDENSING UNIT DETAIL
NOT TO SCALE



NIGHT LIGHT DIAGRAM
NOT TO SCALE

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION					
HAWAII DISTRICT LAND OFFICE HILO, HAWAII					
ELECTRICAL DETAILS					
DESIGNED: JN			SUBMITTED:		
DRAWN: CAD			DATE: NOVEMBER 2022		
CHECKED: JN			SCALE: AS NOTED		
APPROVED:			DRAWING NO. E-502		
CHIEF ENGINEER			Carty Chang E-signed 2022-11-28 04:17PM HST carty.s.chang@hawaii.gov State of Hawaii Chief Engineer		

															
TYPE	LAMP	MOUNTING	DESCRIPTION	TYPE	LAMP	MOUNTING	DESCRIPTION	TYPE	LAMP	MOUNTING	DESCRIPTION	TYPE	LAMP	MOUNTING	DESCRIPTION
A	16.5W LED, 2091K, 1900 LUMENS, 80 CRI	RECESSED GRID	LED 2'x2' SHALLOW 3 1/16" DEEP HOUSING EXTRUDED ALUMINUM FRAME. INJECTED MOLDED COMPOSITE END PLATES. 0-10V DIMMING DRIVER TO 1% STANDARD. PROJECTED LIFE OF 100,000 HOURS AT 92% LUMEN OUTPUT. ELECTRONIC DRIVER FOR UNIVERSAL 120-277V. HIGH REFLECTANCE BAKED MATTE WHITE ENAMEL FINISH. POSITIVELY RETAINED HIGH OPTICAL GRADE ACRYLIC LENSES. UL LISTED. COMPLIES WITH IESNA LM-79 AND LM-80 STANDARDS. METALUX (OR EQUAL) 22EN-LD2-19-UNV-L835-CD1-U	B	35.0W LED, 3500K, 3400 LUMENS, 80 CRI	PENDANT MOUNTED	LED COMPACT 3.5"x6.4"x4' PROFILE WITH DIE-FORMED 20 GUAGE COLD ROLLED STEEL UPPER CHANNEL. DIE-FORMED ALUMINUM LOWER HOUSING. END CAPS ARE INJECTION MOLDED POLYCARBONATE, MECHANICALLY ATTACHED WITH NO FASTENERS. ELECTRONIC DRIVER FOR UNIVERSAL 120-277V. 0-10V DIMMING DRIVER TO 1% STANDARD. AIRCRAFT CABLE MOUNTS. POLYESTER POWDER COAT PAINT WITH WHITE FINISH. CORELITE (OR EQUAL) RZL-NL-40L-835-1-UNV-STD-W-PP-4	C	70.0W LED, 3500K, 3400 LUMENS, 80 CRI	PENDANT MOUNTED	LED COMPACT 3.5"x6.4"x8' PROFILE WITH DIE-FORMED 20 GUAGE COLD ROLLED STEEL UPPER CHANNEL. DIE-FORMED ALUMINUM LOWER HOUSING. END CAPS ARE INJECTION MOLDED POLYCARBONATE, MECHANICALLY ATTACHED WITH NO FASTENERS. ELECTRONIC DRIVER FOR UNIVERSAL 120-277V. 0-10V DIMMING DRIVER TO 1% STANDARD. AIRCRAFT CABLE MOUNTS. POLYESTER POWDER COAT PAINT WITH WHITE FINISH. CORELITE (OR EQUAL) RZL-NL-40L-835-1-UNV-STD-W-PP-8	D	22.4W LED, 3500K, 3000 LUMENS, 80 CRI	SURFACE MOUNTED	LED 2 1/4"x12" HOUSING CONSTRUCTED FROM EXTRUDED ALUMINUM AND DIE-FORMED 20 GAUGE COLD ROLLED STEEL. INTEGRAL ELECTRONIC DRIVER FOR UNIVERSAL 120-277V. 0-10V DIMMING DRIVER TO 1% STANDARD. POLYESTER POWER COAT PAINT WITH WHITE FINISH. CORELITE (OR EQUAL) DSI-WS-30L-835-1D-UNV-STD-SC-W-SU-4
															
TYPE	LAMP	MOUNTING	DESCRIPTION	TYPE	LAMP	MOUNTING	DESCRIPTION	TYPE	LAMP	MOUNTING	DESCRIPTION	TYPE	LAMP	MOUNTING	DESCRIPTION
E	5W LED	SURACE WALL MOUNTED	LED EMERGENCY LIGHT. INJECTION MOLDED HIGH IMPACT THERMOPLASTIC. SEALED NICKEL CADMINUM. UL924 LISTED SURE-LITES (OR EQUAL) CU2-LED	F	5W LED	PENDANT MOUNTED	FIBERGLASS HOUSING WITH REINFORCED POLYESTER AND SELF-EXTINGUISHING PLASTIC. ELECTRONIC DRIVER WITH UNIVERSAL 120-277V. 0-10V DIMMING CONTROL. HIGH IMPACT DIFFUSER LENS METALUX (OR EQUAL) 4VT2-LD5-4-DR-UNV-L835-CD1-WL-U-VT2-CHAIN/SET-U-VT2-SS-MBK	G	27W LED	SURFACE WALL MOUNTED	LOW PROFILE RUGGED DIE-CAST ALUMINUM HOUSING. SILICONE SEALED OPTICAL LED CHAMBER. INTEGRAL LED ELECTRONIC DRIVER. UNIVERSAL 120-277V. TGIC POLYESTER POWDER COAT PAINT IN CARBON BRONZE FINISH. LUMARK (OR EQUAL) AXCS3A-W-BK	H	27W LED	WALL MOUNTED	UNDERCABINET LOW PROFILE EXTRUDED ALUMINUM HOUSING. INTEGRAL LED ELECTRONIC DRIVER. UNIVERSAL 120-277V. PIR MOTION SENSOR. WHITE FINISH. HALO (OR EQUAL) HU30-ADV-48-P-HU107
								G				44W LED			
TYPE	LAMP	MOUNTING	DESCRIPTION	TYPE	LAMP	MOUNTING	DESCRIPTION								
I	11W LED	RECESSED MOUNTED	6" LED RECESSED VANDAL RESISTANT DOWNLIGHT. SELF-FLANGED, SPUN .050" THICK ALUMINUM LOWER REFLECTOR. COMBINATION 120-277V DRIVER. 0.060" THICK FROSTED POLYCARBONATE LENS. UL WET LISTED. FAIL SAFE (OR EQUAL) FLD6BX-10-D010-FEU6B-1/2-80-35-M-1-LI-HB26	X	1.02W LED	SURFACE/CEILING	COMPACT LOW-PROFILE, ENERGY EFFICIENT LED, EZ SNAP-OUT CHEVRON DIRECTIONAL INDICATORS, GREEN LETTERS, WHITE HOUSING, DUAL 120V/277V VOLTAGE, UL LISTED SURE LITES (OR EQUAL) LPX-7								


JOHN M. NOMURA

LICENSED PROFESSIONAL ENGINEER

No. 11670-E

HAWAII, U.S.A.

THIS LICENSE EXPIRES APRIL 30, 2024



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. I CERTIFY THAT THE DESIGN AND CONSTRUCTION OF THIS PROJECT COMPLY WITH THE HAWAII ADMINISTRATIVE RULES, DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS ENTITLED PROFESSIONAL ENGINEERS, ARCHITECTS, SURVEYORS

STATE OF HAWAII

DEPARTMENT OF LAND AND NATURAL RESOURCES

ENGINEERING DIVISION

HAWAII DISTRICT LAND OFFICE

HILO, HAWAII

LUMINAIRE SCHEDULE

DESIGNED: JN

DRAWN: CAD

CHECKED: JN

APPROVED: Carty Chang

NOVEMBER 2022

SCALE: AS NOTED





DATE: NOVEMBER 2022

DATE: 2022-11-28 04:17PM HST

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
		STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION			
		HAWAII DISTRICT LAND OFFICE HILO, HAWAII			
		LUMINAIRE SCHEDULE			
DESIGNED: JN		SUBMITTED:			
DRAWN: CAD		DATE: NOVEMBER 2022			
CHECKED: JN		SCALE: AS NOTED			
APPROVED:		Carty Chang E-signed 2022-11-28 04:17PM HST carty.s.chang@hawaii.gov State of Hawaii Chief Engineer		DRAWING NO. E-601	

PANEL "2A" (SECTION 1)208 / 120 VOLTS3 Ø4WSNFLUSH MOUNTED						
3P200A MAIN BREAKERBREAKER MIN. I.C. 18,000 A.I.C.						
20" WIDE CABINET, INDUSTRIAL BOLTED, HALF WIDTH BREAKERS NOT PERMITTED						
CIRCUIT NO.	BREAKER	LOAD	KVA			WIRE
			ØA	ØB	ØC	
1	1P20A	LTS – OPEN OFFICE, HALLWAYS	1.0			12
2	1P20A	LTS – CONFERENCE ROOM, OFFICES	1.0			12
3	1P20A	LTS – BREAK ROOM, OFFICES		1.0		12
4	1P20A	LTS – SECURED STORAGE		1.0		10
5	1P20A	LTS – EXTERIOR BUILDING			1.0	10
6	1P20A	LTS – EXTERIOR POLE LIGHTS			1.0	10
7	1P20A	TIME CLOCK	0.1			12
8	1P20A	SPARE				
9	1P20A	RECEP – STORAGE		0.4		12
10	1P20A	RECEP – MANAGER'S OFFICE		1.0		12
11	1P20A	RECEP – IT RACK			0.4	12
12	1P20A	RECEP – LAND AGENT 1			0.8	12
13	1P20A	RECEP – RESTROOMS, EXTERIOR	0.6			12
14	1P20A	RECEP – LAND AGENT 2	1.0			12
15	1P20A	RECEP – BREAK ROOM REFRIGERATOR		1.2		12
16	1P20A	RECEP – LAND AGENT 3		0.8		12
17	1P20A	RECEP – BREAK ROOM			0.4	12
18	1P20A	RECEP – OPEN OFFICE WORKSTATIONS			0.8	12
19	1P20A	RECEP – EXTERIOR	0.4			12
20	1P20A	RECEP – OPEN OFFICE WORKSTATIONS	0.8			12
21	1P20A	RECEP – BREAK ROOM COUNTER		0.2		12
22	1P20A	RECEP – OPEN OFFICE WORKSTATIONS		0.6		12
23	1P20A	RECEP – BREAK ROOM COUNTER			0.2	12
24	1P20A	RECEP – OPEN OFFICE PRINTER			1.0	12
25	1P20A	RECEP – BREAK ROOM COUNTER	0.2			12
26	1P20A	RECEP – SECURED STORAGE	1.0			12
27	1P20A	RECEP – HALLWAYS		0.8		12
28	1P20A	RECEP – SECURED STORAGE FILE MOVER		1.0		12
29	1P20A	RECEP – COPY AREA COUNTER			0.4	12
30	1P20A	ELECTRONIC GATE CONTROLLER			1.0	12
31	1P20A	RECEP – COPY AREA COPIER MACHINE	1.2			12
32	1P20A	SPARE				
33	1P20A	RECEP – CONFERENCE ROOM COUNTER		0.4		12
34	1P20A	RECEP – EXTERIOR		0.4		12
35	1P20A	RECEP– CONFERENCE ROOM			0.8	12
36	1P20A	SPARE				
37	1P20A	RECEP – CONFERENCE ROOM	0.4			12
38	1P20A	SPARE				
39	1P20A	SPARE				
40	1P20A	SPARE				
41	1P20A	SPARE				
42	1P20A	SPARE				

PANEL "2A" (SECTION 2)208 / 120 VOLTS3 Ø4WSNFLUSH MOUNTED						
3P225A MAIN LUGS ONLYBREAKER MIN. I.C. 18,000 A.I.C.						
20" WIDE CABINET, INDUSTRIAL BOLTED, HALF WIDTH BREAKERS NOT PERMITTED						
CIRCUIT NO.	BREAKER	LOAD	KVA			WIRE
			ØA	ØB	ØC	
43,45	2P15A	FCU–1	0.1	0.1		12
44,46	2P15A	FCU–2	0.1	0.1		12
47,49	2P15A	FCU–3		0.1	0.1	12
48,50	2P15A	FCU–4		0.1	0.1	12
51,53	2P15A	FCU–5	0.1	0.1		12
52,54	2P15A	FCU–6	0.1	0.1		12
55,57	2P15A	FCU–7	0.1	0.1		12
56,58	2P15A	FCU–8	0.2	0.2		12
59,61	2P15A	FCU–9		0.4	0.4	12
60,62	2P15A	FCU–10		0.2	0.2	12
64,66	2P30A	EWB–1 TANKLESS WATER HEATER		3.0	3.0	10
63,65,67	3P60A	ACCU–1 (MODULE 1)	5.0	5.0	5.0	6
66,68,70	3P35A	ACCU–2 (MODULE 2)	2.9	2.9	2.9	8
69	1P20A	SPARE				
71	1P20A	SPARE				
72	1P20A	SPARE				
73	1P20A	SPARE				
74	1P20A	SPARE				
75	1P20A	SPARE				
76	1P20A	SPARE				
77	1P20A	SPARE				
78	1P20A	SPARE				
79	1P20A	SPARE				
81	1P	PFB				
80,82,84	3P	PROVISION FOR PV SYSTEM BY OTHERS				
83	1P	PFB				
T O T A L S :			16.3	20.2	20.3	
TOTAL RECEP. LOAD: 17,200 VARECEP. 1ST 10,000 VA @ 100% 10,000 VA @100% 10,000 VAREST @ 50% 7,200 VA @100% 3,600 VALIGHTING LOAD @ 125% 7,500 VA @125% 9,375 VALARGEST MOTOR @ 125% 0 VA @125% 0 VAOther Motors @ 100% 0 VA @100% 0 VAAIR CONDITIONERS @ 100% 26,700 VA @100% 26,700 VAKITCHEN EQUIPMENT @ 65% 0 VA @100% 0 VAREST OF ALL OTHER LOADS @ 100% 7,100 VA @100% 7,100 VATOTAL: 56,775 VATOTAL LOAD: (VA) / (208V x 1.732) = 157.7 AMPS						

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED																												
<div><div><div>JOHN M. NOWURA</div><div>LICENSED PROFESSIONAL ENGINEER</div><div>No. 11670-E</div><div>HAWAII, U.S.A.</div></div><div><div>THIS LICENSE EXPIRES APRIL 30, 2024</div><div></div><div><small>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 CHAPTER 18-115 OF THE HAWAII ADMINISTRATIVE RULES, DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS, ENTITLED PROFESSIONAL ENGINEERS, ARCHITECTS, SURVEYORS AND LANDSCAPE ARCHITECTS)</small></div></div></div> <tr><td colspan="4">STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION</td></tr> <tr><td colspan="4">HAWAII DISTRICT LAND OFFICE HILO, HAWAII</td></tr> <tr><td colspan="4">PANEL SCHEDULES</td></tr> <tr><td colspan="2">DESIGNED: JN</td><td colspan="3">SUBMITTED: </td></tr> <tr><td colspan="2">DRAWN: CAD</td><td colspan="3">DATE: NOVEMBER 2022</td></tr> <tr><td colspan="2">CHECKED: JN</td><td colspan="3">SCALE: AS NOTED</td></tr> <tr><td colspan="2">APPROVED: Carty Chang E-signed 2022-11-28 04:17PM HST carty.s.chang@hawaii.gov State of Hawaii Chief Engineer</td><td colspan="3">DRAWING NO. E-602</td></tr>		STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION				HAWAII DISTRICT LAND OFFICE HILO, HAWAII				PANEL SCHEDULES				DESIGNED: JN		SUBMITTED: 			DRAWN: CAD		DATE: NOVEMBER 2022			CHECKED: JN		SCALE: AS NOTED			APPROVED: Carty Chang E-signed 2022-11-28 04:17PM HST carty.s.chang@hawaii.gov State of Hawaii Chief Engineer		DRAWING NO. E-602		
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