

GENERAL NOTES

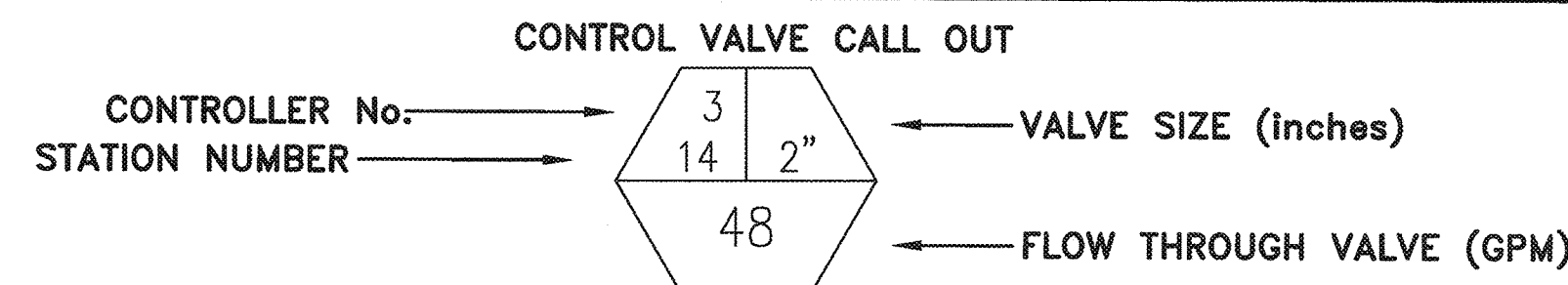
- INSPECT THE SITE AND VERIFY CONDITIONS PRIOR TO COMMENCING WITH THE WORK. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE OFFICER IN CHARGE. BY COMMENCING WITH THE WORK, THE CONTRACTOR ACCEPTS THE EXISTING CONDITIONS AND RESPONSIBILITY FOR MAINTAINING THOSE CONDITIONS.
- THE EXISTENCE AND LOCATION OF EXISTING STRUCTURES, UTILITIES AND APPURTENANCES SHOWN OR NOTED ON THESE PLANS ARE FROM THE LATEST AVAILABLE PLANS AND FIELD OBSERVATIONS AND ARE NOT GUARANTEED. SUCH ITEMS ARE NOT GUARANTEED AS TO LOCATION NOR TO THE EXISTENCE OF OTHER OBSTACLES WHICH MAY BE ENCOUNTERED. THE LOCATIONS SHOWN OR NOTED ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL PERFORM AN INDEPENDENT CHECK OF ELEMENTS AND POSSIBLE CONFLICTING STRUCTURES. DISCREPANCIES SHALL BE REPORTED TO THE OFFICER IN CHARGE. REASONABLE MODIFICATIONS TO ACCOMMODATE SITE CONDITIONS SHALL NOT CONSTITUTE A RIGHT TO ADDITIONAL FUNDS.
- EXISTING STRUCTURES, UTILITIES, APPURTENANCES AND LANDSCAPE PLANTINGS, ESPECIALLY TREES, ADJACENT TO CONSTRUCTION LIMITS SHALL BE PROTECTED. EXISTING STRUCTURES, UTILITIES, APPURTENANCES AND LANDSCAPE DAMAGED BY WORK UNDER THIS CONTRACT SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT AND CLIENT. DO NOT PARK ANY EQUIPMENT OR VEHICLES UNDER EXISTING TREES.
- THE CONTRACTOR SHALL NOT DEVIATE FROM THE DRAWINGS AND SPECIFICATIONS. IN THE EVENT OF ERRORS OR DISCREPANCIES, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE LANDSCAPE ARCHITECT.

IRRIGATION NOTES

- IRRIGATION SYSTEMS ARE DIAGRAMMATIC AND SUBJECT TO MINOR ADJUSTMENTS DUE TO UNANTICIPATED FIELD CONDITIONS. IRRIGATION HEADS SHALL BE INSTALLED WHERE SHOWN, ADJUSTMENTS TO HEAD PLACEMENT MAY BE MADE IN THE FIELD ONLY TO AVOID OBSTACLES OR TO IMPROVE COVERAGE. HEADS SHALL NOT BE SPACED FURTHER THAN SHOWN ON THE DRAWINGS. VALVES SHALL BE INSTALLED IN THE VICINITY OF THE LOCATIONS SHOWN AND BE ACCESSIBLE FOR SERVICE AND USE. AVOID CONFLICTS WITH PLANTINGS, UTILITIES AND ARCHITECTURAL ELEMENTS. INSTALL ALL VALVES WITHIN GROUND COVER AREAS AND AVOID INSTALLATION WITHIN LAWN AREAS UNLESS OTHERWISE DIRECTED.
- PRIOR TO EXCAVATION FOR IRRIGATION LINES, THE CONTRACTOR SHALL VERIFY IN THE FIELD THE EXACT LOCATION AND DEPTH OF ALL UTILITIES AND EXISTING SYSTEMS IN THE AREA AND EXERCISE CAUTION WHEN EXCAVATING.
- COORDINATE WITH OTHER TRADES TO INSURE INSTALLATION OF IRRIGATION LINES AND APPURTENANCES. IT SHALL BE THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO COORDINATE WITH OTHER CONTRACTORS ON THE JOB TO INSURE THEIR INSTALLATION AND TO PROVIDE PROPER CLEARANCES FOR CONNECTIONS, SLEEVES AND CONDUIT.
- REFER TO ELECTRICAL DRAWINGS FOR 120V WIRING TO CONTROLLERS. CONTRACTOR TO CONNECT CONTROLLER TO 120V WIRING FROM THE J-BAX LOCATED WITHIN 5 FEET OF THE CONTROLLER LOCATION.
- THE IRRIGATION SYSTEM DESIGN IS BASED ON A MINIMUM STATIC PRESSURE OF 95 PSI AT THE POINT OF CONNECTION UNDER STATIC CONDITIONS. CONTRACTOR TO RETEST THE PRESSURE AT THE WATER SOURCE AND REPORT THE RESULTS TO THE IRRIGATION CONSULTANT PRIOR TO STARTING THE IRRIGATION INSTALLATION.
- INSTALL THE IRRIGATION CONTROLLERS AS NOTED ON THE DRAWINGS AND IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. THE CONTRACTOR, TOGETHER WITH THE APPROPRIATE OWNER'S REPRESENTATIVE, SHALL PROGRAM THE CONTROLLER TO ACCOMMODATE THE LANDSCAPE AND SITE REQUIREMENTS. ALL CONTROLLERS SHALL BE INSTALLED WITHIN A NEMA 3R PLASTIC OR STAINLESS STEEL ENCLOSURE OR AS OTHERWISE NOTED ON PLANS. A TIPPING RAIN GAUGE SHALL BE INSTALLED NEAR THE CCU TO RELAY RAINFALL FROM THE SITE TO THE MAXICOM COMPUTER, PER MANUFACTURER'S RECOMMENDATION. INSTALL RAIN GAUGE OUT OF THE IRRIGATED AREA BUT IN AN AREA OF THE PARK SITE MAINTENANCE BUILDING.
- IRRIGATION SYSTEMS SHALL BE OPERATED DURING "OFF PEAK" EVENING HOURS. OPERATION DURING OTHER TIMES SHALL BE WITH THE APPROVAL OF THE PROJECT MANAGER.

IRRIGATION MATERIALS SCHEDULE

SYMBOL	DESCRIPTION	MANUFACTURER/ CATALOG NUMBER
	MAXICOM CCU INTERFACE WITH A STAINLESS STEEL NEMA 4 LOCKABLE PEDESTAL	CONTACT PACIFIC PIPE COMPANY FOR PRICING AT (808) 455-8700 ATTN: MIKE HAMAMOTO
	ESP-SITE-SAT 40-2W 40-STA. CONTROLLER WITHIN A VIT SS LOCKABLE ENCLOSURE	RAIN BIRD FIELD SATELLINE CONTROLLER WITHIN A VIT STRONG BOX SB-24-DSS STAINLESS STEEL NEMA 3R PEDESTAL MOUNTED ENCLOSURE (48" h X 24" W X 20" d)
	REMOTE CONTROL VALVE WITH PRESSURE REGULATION	RAIN BIRD PESBR-PRS-D WITH PURPLE HANDLE SIZE AS NOTED FOR RECLAIMED WATER APPLICATIONS
	WEATHER STATION PREVENTION UNIT	RAIN BIRD WS-PRO2 WEATHER STATION WITH PHONE MODUM INSTALL PER MANUFACTURERS SPELCIFICATIONS
	GATE VALVE (FULL LINE SIZE)	NIBCO T-113 OR APPROVED EQUAL, 2 1/2" OR LESS EPOXY COATED AWWA RESILIENT SEAT 3" OR LARGER
	QUICK COUPLER VALVE	RAIN BIRD #55 NP 1-1/2" QUICK COUPLER VALVE PROVIDE 6 KEYS WITH 1" X 1" HOSE SWIVELS FURNISH SIX (6) EACH 1" X 100' HOSE AT TURNOVER
	HARCO ISOLATION VALVE	HARCO 8411062PL OR EQUAL 2" SIZE X 6" RISER. WITH 3" OR 5" SWIVEL TEE TO MATCH
	IRRIGATION MAINLINE - PVC	SDR21 CL 200 PVC WITH WARNING TAPE SEE SPEC'S - 18" MIN. DEPTH - SEE RECLAIMED PIPING WATER NOTES ON THIS SHEET FOR ALL PIPING.
	IRRIGATION LATERAL	SCH 40 PVC, SIZE AS NOTED, 12" MIN. DEPTH SEE RECLAIMED WATER NOTES FOR ALL PIPING
	PVC SLEEVE UNDER PAVEMENT	SCH 40 PVC PIPE (SIZE AS NOTED) 24" DEPTH
	IRRIGATION CONDUIT	SCH 40 PVC UL LISTED, SIZE AS NOTED, 12' DEPTH
	MANUAL VALVE CALL OUT	TYPE OF VALVE (TOP) SIZE OF VALVE (BOTTOM)
	SLEEVE CALL OUT	PIPE SIZE (TOP) WITHIN SLEEVE SIZE (BOTTOM)
	CONDUIT CALL OUT	RACEWAY USE (TOP) RACEWAY SIZE (BOTTOM) CONDUIT RACEWAY FOR 24V WIRING (INSTALL ONE EXTRA WIRE THROUGH RACEWAY FOR FUTURE USE)



IRRIGATION SPRINKLER SCHEDULE

HEAD SYMBOL	ANGLE	MANUFACTURER/ CATALOG NUMBER	G.P.M.P.	P.S.R.S.I.	RADRAD.	
SHRUB SPRAY PRESSURE REGULATING SPRINKLER 12" POP-UP WITH HIGH EFFICIENCY NOZZLES		RAIN BIRD RD-1800 SERIES RD-12-P-NP SERIES WITH U-SERIES NOZZLES OR ACCEPTABLE EQUAL	0.85	30	15'	
	90°		1.10	30	15'	
	120°		1.65	30	15'	
	180°		3.60	30	15'	
	360°					
LAWN SPRAY PRESSURE REGULATING SPRINKLER 4" POP-UP WITH HIGH EFFICIENCY NOZZLES		RAIN BIRD RD-1800 SERIES RD-04-P-NP SERIES WITH U-SERIES NOZZLES OR ACCEPTABLE EQUAL	0.85	30	15'	
	90°		1.10	30	15'	
	120°		1.65	30	15'	
	180°		2.30	30	15'	
	240°		2.60	30	15'	
	270°		3.60	30	15'	
	360°					
	END STRIP		0.45	30	4'X15'	
	SIDE STRIP		0.85	30	4'X15'	
POP-UP SPRINKLER STAINLESS STEEL RISER SLEEVE LOW ANGLE NOZZLE		RAIN BIRD 5505 SERIES SHRUB OR ROTOR AS NOTED WITH STAINLESS STEEL RISER AND RUBBER COVER OR APPROVED EQUAL.	1.6	40	37'	
LAWN ROTOR	SHRUB ROTOR		90°			
	180°		2.7	40	39'	
	360°	3.5	40	41'		
ATHLETIC FIELD ROTOR POP-UP SPRINKLER STAINLESS STEEL RISER SLEEVE WITH NON-POTABLE MARKINGS		RAIN BIRD ATHLETIC FIELD ROTOR 8005-SS-NP-XX SERIES OR ACCEPTABLE EQUAL	8.4	60	49'	
	90°		15.9	60	65'	
	180°		15.9	60	65'	
	360°					

RECLAIMED WATER NOTES

SPECIAL NOTES - RECLAIMED WATER

- A. Marking on the purple PVC piping shall include the following:
- "Caution - Recycled (or Reclaimed) Water"; nominal size; PVC-1120; pressure rating in pounds, per square inch at 73°F (23°C); ASTM designations such as 1785, 2241, 2672, 3139. Printing shall be placed continuously on two sides of the pipe.
- B. Warning tape on recycled water constant pressure main line piping must follow these installation specifications:
- Metallic warning tape shall be used on all constant pressure mains.
 - Warning tape shall be a minimum of 3-inches (76 mm) wide and shall run continuously for the entire length of all constant pressure main line piping. The tape shall be attached to the top of the pipe with plastic tape banded around the warning tape and the pipe every 5 feet (150 cm) on center.
 - Warning tape for the constant pressure recycled water piping shall be purple in color with the words "Caution - Recycled (or Reclaimed) Water" imprinted a minimum of 1-inch (25 mm) high and black in color. Imprinting shall be continuous and permanent. Use tape as manufactured by T. Christy Enterprises or approved equal.

- C. All recycled water control valves shall be identified.
- Identification shall be affixed to each irrigation valve by one of the following methods:
 - Attach tag to control valve stem directly or with plastic tie-wrap.
 - Attach tag to control valve solenoid wire directly or with plastic tie-wrap.
 - Tags shall be weatherproof plastic, 3" x 4", (76 mm x 102 mm) purple in color with the words "Warning Recycled (or Reclaimed) Water - Do Not Drink" imprinted on one side, and Avisa Agua Impura - No Tomar" on the other side. Imprinting shall be permanent and black in color.
- D. Unless otherwise allowed by local code, all pressure main line piping from the recycled water system shall be installed to maintain 10 feet (3 m) minimum horizontal separation from all potable water piping. Where recycled and potable water pressure main line piping cross, the recycled water piping shall be installed below the potable water piping in a Class 200 purple PVC sleeve which extends a minimum of 5 feet (150 cm) on either side of the potable water piping. Provide a minimum vertical clearance of 6-inches (152 mm). Conventional (white) PVC pipe may be used for sleeving material if it is taped with 3-inch (76 mm) wide purple warning tape which reads " Caution - Recycled (or Reclaimed) Water".

CONTROL SYSTEM NOTES

- ALL FIELD CONTROLLERS AND RELATED EQUIPMENT ARE TO BE FULLY COMPATIBLE TO THE EXISTING RAIN BIRD MAXICOM CONTROL SYSTEM MAINTAINED BY THE COUNTY OF MAUI PARKS DEPARTMENT. NO ALTERNATE WILL BE ACCEPTED.
- CONTRACTOR TO SUPPLY THE CLUSTER CONTROL (CCU) UNIT AND TWO DEDICATED TELEPHONE LINES TO THE CCU FOR COMMUNICATION BACK TO THE EXISTING CENTRAL CONTROLLER LOCATED OFF-SITE. (ONE FOR THE CCU AND ONE FOR THE WEATHER STATION).
- ALL CONTROL EQUIPMENT SHALL BE INSTALLED PER THE LATEST RAIN BIRD RECOMMENDATIONS TO INCLUDE THE PROPER GROUNDING, SURGE PROTECTION AND RELATED DATA AVAILABLE AT THE TIME OF INSTALLATION. ALL INSTALLATIONS MUST BE APPROVED BY THE AUTHORIZED RAIN BIRD SERVICE PROVIDER PRIOR TO ACCEPTANCE.
- CONTRACTOR SHALL PAY FOR THE SERVICES OF THE AUTHORIZED RAIN BIRD SERVICE PROVIDER TO PROGRAM THE SYSTEM USING THE ACCURATE AS-BUILT DATA PROVIDED BY THE CONTRACTOR. CONTACT MIKE HAMAMOTO AT (808) 455-8700 FOR A COST TO PROVIDE THIS SERVICE.
- CONTRACTOR SHALL MAINTAIN ACCURATE AS-BUILT DRAWINGS WITH ALL LOCATIONS FIELD LOCATED USING GLOBAL POSITIONING SERVICES (GPS) AS INSTALLED AND SHALL BE AVAILABLE FOR REVIEW AT ANY TIME DURING CONSTRUCTION.

REVISION NO.	SYMBOL	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION CENTRAL MAUI REGIONAL SPORTS COMPLEX PHASE 3 WALUKU, MAUI, HAWAII					
IRRIGATION NOTES AND LEGEND					
DESIGNED: AGS		SUBMITTED: --			
DRAWN: AGS/PPS		DATE: DECEMBER 2015			
CHECKED: AGS		SCALE: AS NOTED			
APPROVED:		DATE: DEC 2 2 2015		DRAWING NO. IR-11	
R. M. TOWILL CORPORATION 800 842 1133 2014 North King Street Suite 200 Honolulu, Hawaii 96813-3444		CHIEF ENGINEER			

Architectural Abbreviations

& And	D.F. Drinking Fountain	G.B. Grab Bar	OBS. Obscure	S.N.R. Sanitary Napkin
L Angle	DET. Detail	G.I. Galvanized Iron	O.C. On Center	RECEPT. Receptacle
@ At	DIA. Diameter	GL. Glass	O.D. Outside Diameter (Dim.)	SPEC. Specification
C Centerline	DIM. Dimension	GRD. Ground	OF. Overflow	SQ. Square
Ø Diameter or Round	DISP. Dispenser	GR. Grade	OFF. Office	SST. Stainless Steel
⊥ Perpendicular	DN. Down	GYP. Gypsum	OPNG. Opening	S. SK. Service Sink
# Pound or Number	DR. Door		OPP. Opposite	STA. Station
(E) Existing	DWR. Drawer	H.B. Hose Bibb		STD. Standard
	DS. Downspout	H.C. Hollow Core		STL. Steel
A.C. Air Conditioning	D.S.P. Dry Standpipe	HDWD. Hardware	PRCST. Precast	STOR. Storage
ACCOUS. Acoustical	DWG. Drawing	HDWE. Hardware	PL. Plate	STR. Structural
A.D. Area Drain		H.M. Hollow Metal	P. LAM. Plastic Laminate	SUSP. Suspension
ADJ. Adjustable	E. East	HORIZ. Horizontal	PLAS. Plaster	SYM. Symmetrical
AGGR. Aggregate	EA. Each	HR. Hour	PLYWD. Plywood	
AL. Aluminum	E.J. Expansion Joint	HGT. Height	PR. Pair	
APPROX. Approximate	EL. Elevation		PT. Point	TRD. Tread
ARCH. Architectural	ELEC. Electrical	I.D. Inside Diameter (Dim.)	P.T.D. Paper Towel Dispenser	T.B. Towel Bar
ASB. Asbestos	ELEV. Elevator	INCL. Inclusive or Included	P.T.D./R. Dispenser & Receptacle	T.C. Top of Curb
ASPH. Asphalt	EMER. Emergency	INCL. Inclusive or Included	PTN. Partition	TEL. Telephone
	ENCL. Enclosure	INT. Interior	P.T.R. Paper Towel Receptacle	TEMP. Tempered
BD. Board	E.P. Electrical Panel		Q.T. Quarry Tile	T. & G. Tongue and Groove
BITUM. Bituminous	EQ. Equal	JAL. Jalousie		THK. Thick
BLDG. Building	EQPT. Equipment	JAN. Joint	R. Riser	T.P. Top of Pavement
BLK. Block	E.W.C. Electric Water Cooler	JT. Joint	RAD. Radius	T.P.D. Toilet Paper Dispenser
BLKG. Blocking	EXST. Existing		R.D. Roof Drain	
BM. Beam	EXPO. Exposed	KIT. Kitchen	REF. Reference	T.P.H. Toilet Paper Holder
BOT. Bottom	EXP. Expansion	K.O. Knock-Out	REFR. Refrigerator	T. V. Television
BTB. Basaltic Termite Barrier	EXT. Exterior		RGTR. Register	T.W. Top of Wall
	E.I.F.S. Exterior Insul. Fin. System	LAB. Laboratory	REINF. Reinforced	TYP. Typical
CAB. Cabinet		LUM. Luminare	REQ. Required	
C.B. Catch Basin	F.A. Fire Alarm	LAV. Lavatory	RESIL. Resilient	UNFIN. Unfinished
CEM. Cement	F.B. Flat Bar	LKR. Locker	RM. Room	U.O.N. Unless Otherwise Noted
CER. Ceramic	F.D. Floor Drain	LT. Light	R.O. Rough Opening	UR. Urinal
C.I. Cast Iron	FDN. Foundation	MAX. Maximum	RWD. Redwood	
CLG. Ceiling	F.E. Fire Extinguisher	M.C. Medicine Cabinet		W. West
CLKG. Caulking	F.E.C. Fire Extinguisher Cabinet	MECH. Mechanical		W/ With
CLO. Closet		MEMB. Membrane	S. South	W.C. Water Closet
CLR. Clear	F.H.C. Fire Hose Cabinet	MET. Metal	S.C. Solid Core	WD. Wood
C.M.U. Concrete Masonry Unit	FIN. Finish	MFR. Manufacturer	S.C.D. Seat Cover	WDW. Window
CNTR. Counter	FLASH. Flashing	MH. Manhole	SCHED. Schedule	W.H. Water Heater
COL. Column	FLUOR. Fluorescent	MIN. Minimum	S.D. Soap Dispenser	W/O Without
CONC. Concrete	F.O.C. Face of Concrete	MIR. Mirror	S.D. BD. Sound Deadening Board	WP. Waterproof
COND. Condition	F.O.F. Face of Finish	MISC. Miscellaneous		WR. Water Resistant
CONN. Connection	F.O.S. Face of Studs	MTD. Mounted	SECT. Section	WSCT. Wainscot
CONSTR. Construction	FPRP. Fireproof	MUL. Mullion	SH. Shelf	WT. Weight
CONT. Continuous	FR. Frame		SHR. Shower	W.W.F. Welded Wire Fabric
CORR. Corridor	F.S. Finish System	N. North	SHT. Sheet	
C.R.M. Concrete Rubble Masonry	FTG. Footing	N.I.C. Not in Contract	SIM. Similar	
CTR. Center	FUR. Furring	NO. or # Number	SL. Slope	
CTSK. Countersunk	FUT. Future	NOM. Nominal	SLDG. Sliding	
		N.T.S. Not to Scale	S.N.D. Sanitary Napkin Dispenser	
DBL. Double	GA. Gauge	OA. Overall		
DEPT. Department	GALV. Galvanize			

General Notes

- THE CONTRACTOR SHALL CAREFULLY EXAMINE THE DRAWINGS, READ THE SPECIFICATIONS AND ALL OTHER PROPOSED CONTRACT DOCUMENTS AND SHALL VISIT THE SITE PRIOR TO SUBMITTAL OF HIS BID. THE CONTRACTOR SHALL FULLY INFORM HIMSELF PRIOR TO THE SUBMISSION AS TO ALL EXISTING CONDITIONS AND LIMITATIONS UNDER WHICH THE WORK IS TO BE PERFORMED. HE SHALL INCLUDE IN HIS PROPOSAL, A SUM TO COVER ALL COSTS OF ALL ITEMS NECESSARY TO PERFORM THE WORK AS SET FORTH IN THE PROPOSED CONTRACT DOCUMENTS. NO ALLOWANCE SHALL BE MADE TO THE CONTRACTOR BECAUSE OF LACK OF SUCH EXAMINATION OR KNOWLEDGE. THE SUBMISSION OF A BID SHALL BE CONSTRUED AS CONCLUSIVE EVIDENCE THAT THE BIDDER HAS MADE SUCH EXAMINATION.
- IF ANY CONTRACTOR IS IN DOUBT AS TO THE TRUE MEANING OF ANY PART OF THE CONTRACT DOCUMENTS, OR FINDS DISCREPANCIES IN, OR OMISSION FROM ANY PART OF THE CONTRACT DOCUMENTS, HE MAY SUBMIT TO THE STATE A WRITTEN REQUEST FOR INTERPRETATION THEREOF.
- ALL WORK SHALL BE ACCOMPLISHED IN STRICT ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL LAWS, REGULATIONS, AND STANDARDS HAVING JURISDICTION OVER THIS PROJECT.
- ALL MATERIALS FOR THIS PROJECT SHALL BE NEW AND FREE FROM ANY AND ALL DEFECTS UNLESS SPECIFIED OTHERWISE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL WORK AMONG THE VARIOUS TRADES AS NECESSARY TO AVOID CONFLICTS AND TO ENSURE THAT ALL WORK IS IN COMPLIANCE WITH THE CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFETY BARRICADE AROUND THE PROJECT SITE AND SHALL ASSURE THE SAFETY OF THE PUBLIC AT ALL TIMES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL BLOCKING, BACKING, BRACKETS, ETC. AS REQUIRED FOR THE PROPER AND SECURED INSTALLATION OF ALL MATERIALS AND PRODUCTS.
- THE CONTRACTOR SHALL REPORT ANY UNSATISFACTORY CONDITIONS AND/OR DISCREPANCIES TO THE ENGINEER. FAILURE TO COMPLY WITH THIS CONDITION MAY RESULT IN PLACING ANY AND ALL RESPONSIBILITY, LIABILITY AND EXPENSE TO THE CONTRACTOR.
- THE CONTRACTOR SHALL REVIEW THE PROJECT FOR ANY LONG LEAD ITEMS AND PROVIDE SPECIAL CONSIDERATIONS TO AVOID UNNECESSARY DELAYS TO THE COMPLETION OF THE PROJECT.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY UPON ENCOUNTERING ANY HAZARDOUS MATERIALS, ETC. DURING THE COURSE OF THIS PROJECT. THE CONTRACTOR IS NOT AUTHORIZED TO HANDLE, TEST OR REMOVE SUCH MATERIALS WITHOUT SPECIFIC AUTHORIZATION FROM THE ENGINEER.
- THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO THE FABRICATION AND/OR ORDERING OF MATERIALS.
- THE CONTRACTOR SHALL STOP WORK & NOTIFY THE ENGINEER IMMEDIATELY UPON ENCOUNTERING ANY ARCHAEOLOGICAL ARTIFACTS, ETC. DURING THE COURSE OF THIS PROJECT. THE CONTRACTOR IS NOT AUTHORIZED TO PROCEED WITH WORK IN THE AREA WITHOUT SPECIFIC AUTHORIZATION FROM THE ENGINEER.
- THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL BUILDING PERMITS FEES & INCIDENTAL PERMIT FEES REQUIRED BY THE VARIOUS GOVERNMENT & PUBLIC UTILITIES AGENCIES.
- PRODUCTS SPECIFIED AND/OR INDICATED BY NAME IN THESE DRAWINGS AND/OR SPECIFICATIONS ESTABLISH A DESIGN OR MATERIAL QUALITY DESIRED FOR THIS PROJECT. THE PRODUCTS OF OTHER MANUFACTURERS ARE ACCEPTABLE PROVIDED THAT THEY MEET OR EXCEED THE MATERIAL AND CONSTRUCTION REQUIREMENTS SPECIFIED AND/OR HEREIN ACCEPTED BY THE ENGINEER.
- WORK SHALL COMPLY WITH THE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN WHERE INDICATED ON DRAWINGS AND OR SPECIFICATIONS.

Project Data

1. Codes		
A. International Building Code, 2006 Edition with Maui County Amendments.		
B. Maui County Code.		
2. Site Data		
A. T.M.K.:	Refer to Civil Drawings	
B. Lot Area:	Refer to Civil Drawings	
C. Zoning:	Refer to Civil Drawings	
D. Community Plan:	Refer to Civil Drawings	
E. State Land Use Designation:	Refer to Civil Drawings	
F. Flood Hazard Zone Area:	Refer to Civil Drawings	
G. Base Flood Elevation:	Refer to Civil Drawings	
H. Special District(s):	N/A	
3. Planning Data		
A. Floor Area Ratio:	Allowable/Required	Proposed (Actual)
	N/A	N/A
B. % Lot Coverage:	N/A	N/A
C. Building Height:		
1. Restroom Building(s):	-	17'-1"
2. Concession Building(s):	-	16'-11"
4. Building Data		
A. Occupancy:	Allowable/Required	Proposed (Actual)
1. Restroom Building(s):	-	U / Utility
2. Concession Building(s):	-	U / Utility
a. Men, Women, Storage:	-	U / Utility
b. Concession:	-	B / Business
B. Separation:	N/A	N/A
C. Type of Construction:	-	V-B
D. Max. Floor Area - Table 503:		
1. Restroom Building(s):	5,500 s.f. (max) >	704 s.f.
2. Concession Building(s):	9,000 s.f. (max) >	1,520 s.f. (total)
a. Men, Women, Storage:	/	704 s.f.
b. Concession:	/	256 s.f.
C. Max. Building Height - Table 503:		
1. Restroom Building(s):	1 story (max) >	1 story (actual)
2. Concession Building(s):	2 story (max) >	1 story (actual)
5. Ventilation - IBC 1203		
A. Restroom Building(s):	Required	Proposed - Screen Block
	704 X .04 = 28.2 s.f.	92 s.f.
B. Concession Building(s):	1,520 X .04 = 60.8 s.f.	100 s.f.

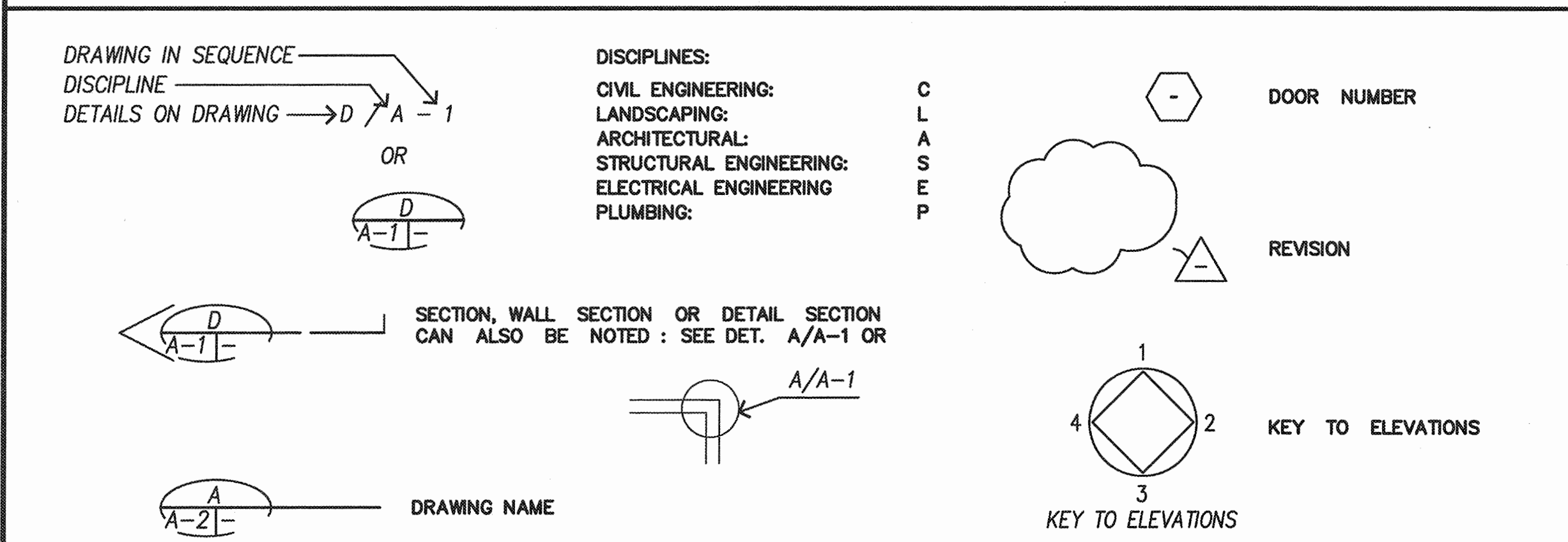
Material Indications

	EARTH		PLYWOOD
	ROCK FILL		GYPSUM BOARD OMIT DOUBLE LINES AT SMALL SCALE
	SAND / MORTAR / PLASTER		WOOD, FRAMING THROUGH MEMBER
	CONCRETE CAST IN PLACE OR PRECAST		WOOD, FRAMING INTERRUPTED MEMBER
	C.M.U. CONCRETE MASONRY UNIT		WOOD STUDS

Project Notes

- THE CONTRACTOR, SUB-CONTRACTORS, VENDORS, AND SUPPLIERS OF SERVICES AND MATERIALS, WITH THE INTENT OF SUBMITTING PROPOSALS AND PARTICIPATING IN THE CONSTRUCTION OF THIS PROJECT, SHALL CAREFULLY EXAMINE THE DRAWINGS AND SPECIFICATIONS. THE CONTRACTOR IS FOREWARNED THAT THE SPECIFICATIONS HAS EXTENSIVE AND COMPREHENSIVE REQUIREMENTS AND INSTRUCTIONS TO ASSIST AND REGULATE THE WORK OF THIS PROJECT. FAILURE BY THE CONTRACTOR TO EXAMINE THESE CONSTRUCTION DOCUMENTS SHALL NOT RELIEVE HIM/HER OF HIS/HER RESPONSIBILITY TO PROVIDE THESE REQUIREMENTS AS A PART OF THE BID PROPOSAL.
- THE CONTRACTOR SHALL REVIEW ALL SPECIFICATION SECTIONS FOR THE REQUIREMENTS OF THIS PROJECT. THE CONTRACTOR IS CAUTIONED THAT IT SHALL NOT BE TAKEN FOR GRANTED THAT THE WORK OF ONE SECTION DOES NOT CONTAIN WORK RELATED TO OTHER SECTIONS. THE CONTRACTOR COULD ALSO EXPECT TO FIND PRODUCTS OR MATERIALS OUT OF THE NORMALLY ASSOCIATED SPECIFICATION SECTIONS FOR THAT PRODUCT. SUB-CONTRACTORS AND VENDORS SHALL NOT ASSUME THAT THEIR WORK IS CONTAINED ONLY WITHIN CERTAIN SECTIONS OF THE SPECIFICATIONS. THE SPECIFICATIONS WITH THE DRAWINGS, AS A WHOLE, IS THE CONSTRUCTION DOCUMENT.
- THE CONTRACTOR SHALL MAINTAIN THE CONSTRUCTION SITE IN AN ORDERLY, NEAT AND CLEAN MANNER. SITE DEBRIS (E.G. MUD, ETC.), FROM THE DAILY EGRESS BETWEEN THE SITE & THE OFF-SITE STAGING AREA SHALL BE CLEANED DAILY. A WASH STATION WITH A GRAVEL PIT WILL BE REQUIRED IN THE CONTRACTOR STAGING/PARKING AREA. EROSION CONTROL MEASURES WILL ALSO BE REQUIRED. FIRE SAFETY DURING CONSTRUCTION SHALL COMPLY WITH ARTICLE 87 OF THE 1988 UNIFORM FIRE CODE.
- UPON COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL RESTORE ALL DAMAGED AREAS RESULTING FROM THE CONSTRUCTION OF THIS PROJECT. SHOULD DAMAGES BE MORE SEVERE, THE ENGINEER MAY REQUIRE REPAIRS AND/OR RESTORATION TO BE PERFORMED DURING THE CONSTRUCTION PERIOD.
- FIRE SAFETY DURING CONSTRUCTION, ALTERATION OR DEMOLITION SHALL BE IN ACCORDANCE WITH 1997 UNIFORM FIRE CODE, ARTICLE 87.

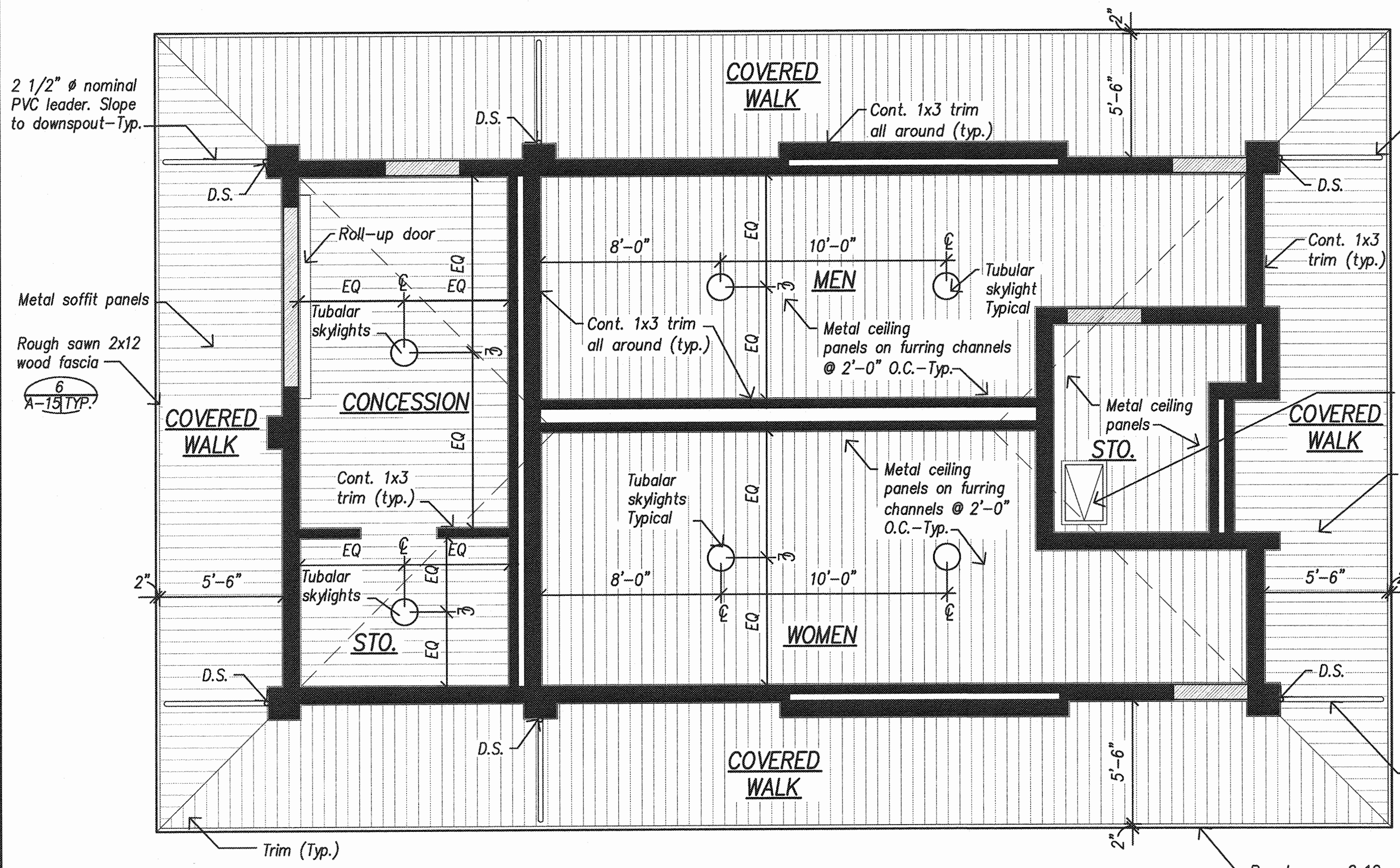
Architectural Symbols



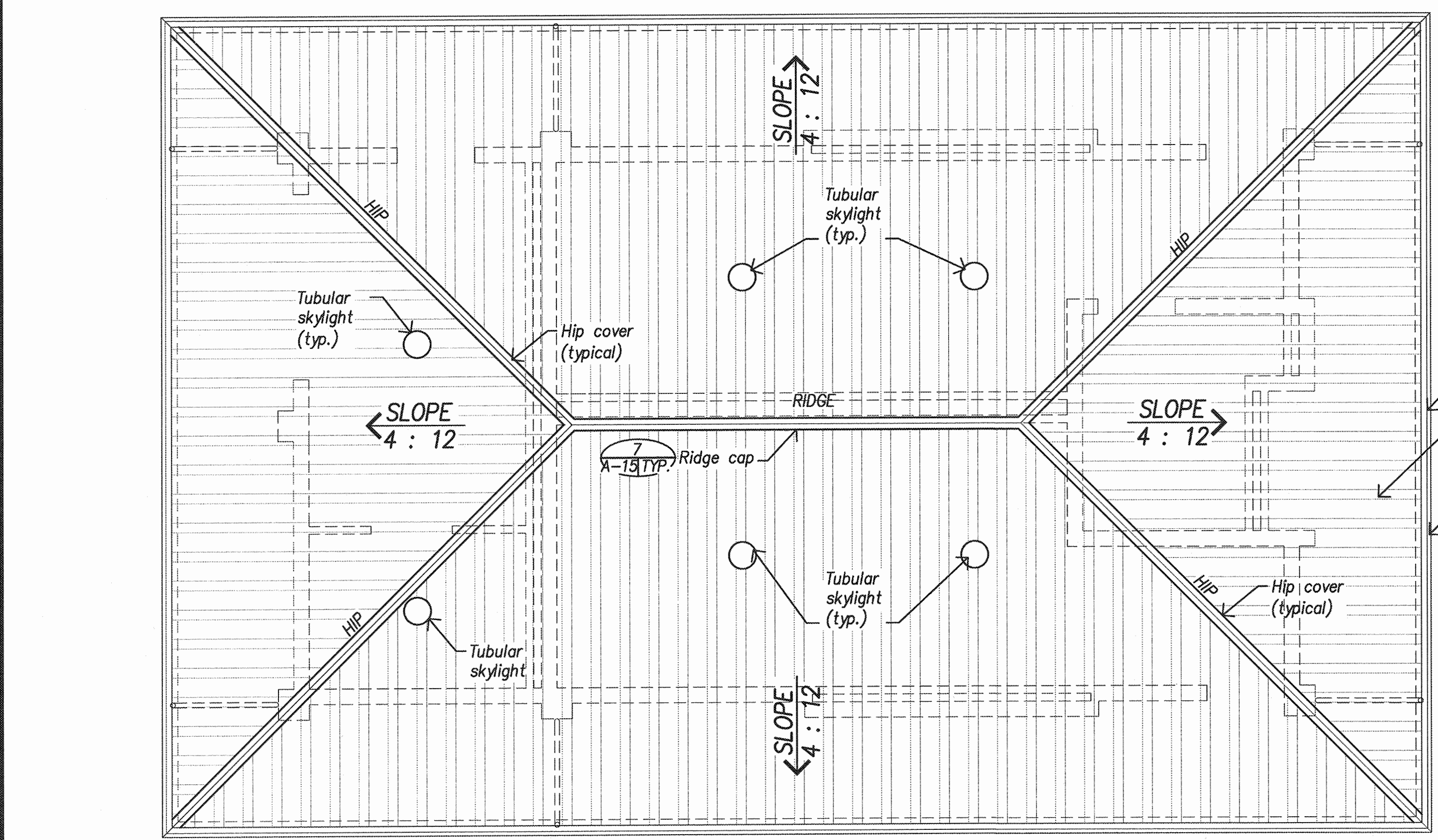
REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION CENTRAL MAUI REGIONAL SPORTS COMPLEX PHASE 3 WAILUKU, MAUI, HAWAII PROJECT DATA, NOTES, ABBREVIATIONS					
DESIGNED: AY		SUBMITTED: AY			
DRAWN: LE, RA		DATE: DECEMBER 2015			
CHECKED: AY		SCALE: N/A			
APPROVED:		DATE: DEC 2 2 2015		DRAWING NO. A-1	
SIGNATURE		DATE		CHIEF ENGINEER	

Sheet Notes

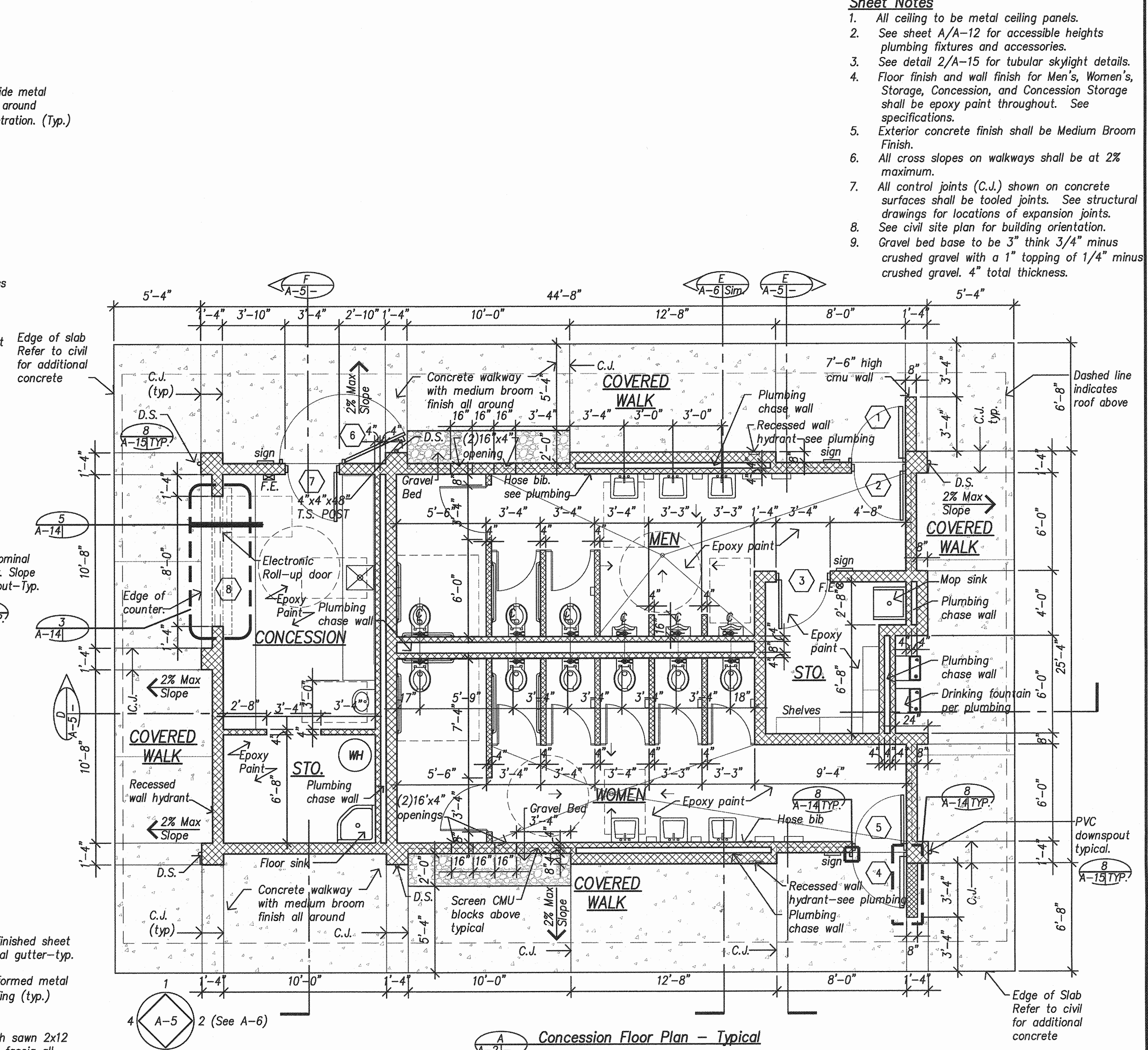
1. All ceiling to be metal ceiling panels.
2. See sheet A/A-12 for accessible heights plumbing fixtures and accessories.
3. See detail 2/A-15 for tubular skylight details.
4. Floor finish and wall finish for Men's, Women's, Storage, Concession, and Concession Storage shall be epoxy paint throughout. See specifications.
5. Exterior concrete finish shall be Medium Broom Finish.
6. All cross slopes on walkways shall be at 2% maximum.
7. All control joints (C.J.) shown on concrete surfaces shall be tooled joints. See structural drawings for locations of expansion joints.
8. See civil site plan for building orientation.
9. Gravel bed base to be 3" thick 3/4" minus crushed gravel with a 1" topping of 1/4" minus crushed gravel. 4" total thickness.



B
A-21- Reflected Ceiling Plan - Typical



C
A-21- Roof Plan - Typical



A
A-21- Concession Floor Plan - Typical

REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
<p>STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION</p> <p>CENTRAL MAUI REGIONAL SPORTS COMPLEX PHASE 3 WAILUKU, MAUI, HAWAII</p> <p>CONCESSION FLOOR, RCP, ROOF PLAN</p>					
DESIGNED: AY		SUBMITTED: AY		DATE: DECEMBER 2015	
DRAWN: LE, RA		CHECKED: AY		SCALE: 1/4" = 1'-0"	
APPROVED: <i>[Signature]</i>		DATE: DEC 22 2015		DRAWING NO. A-2	

Sheet Notes

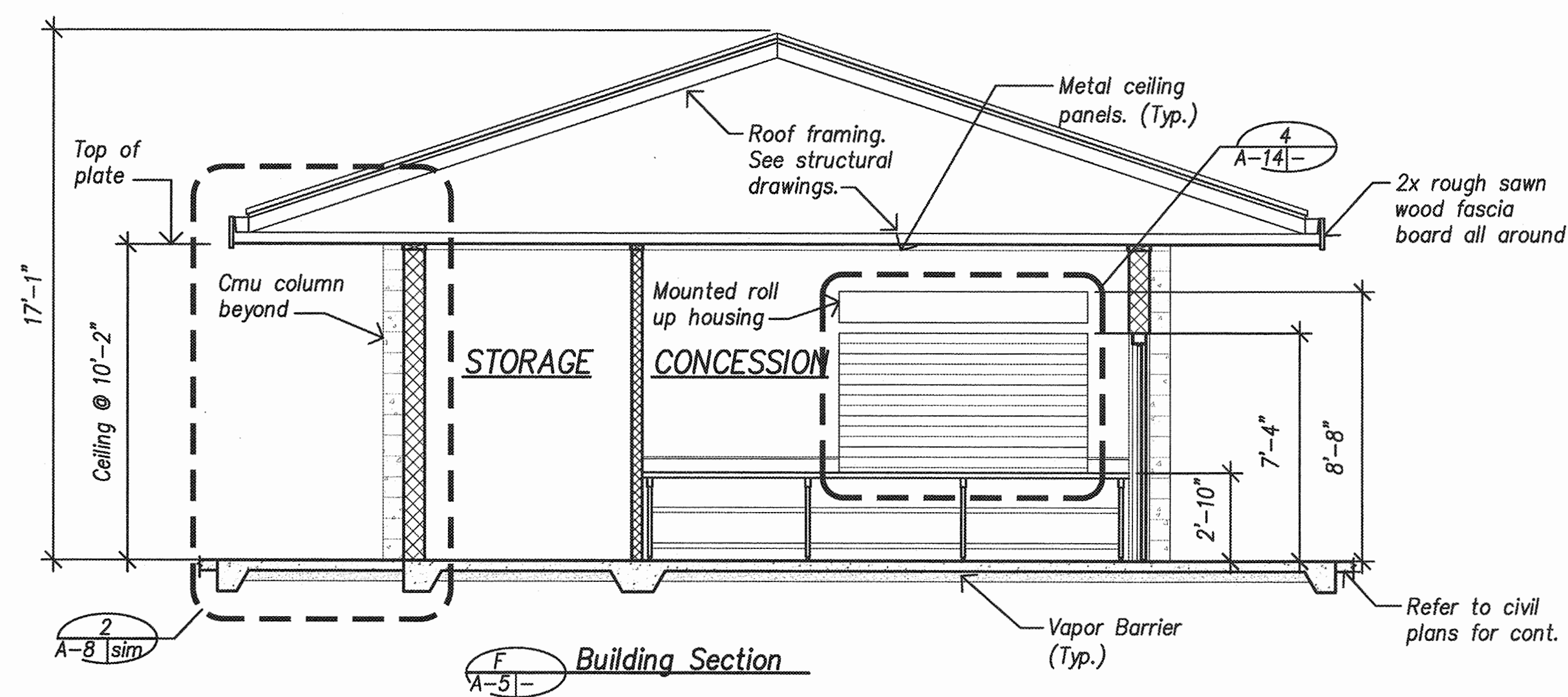
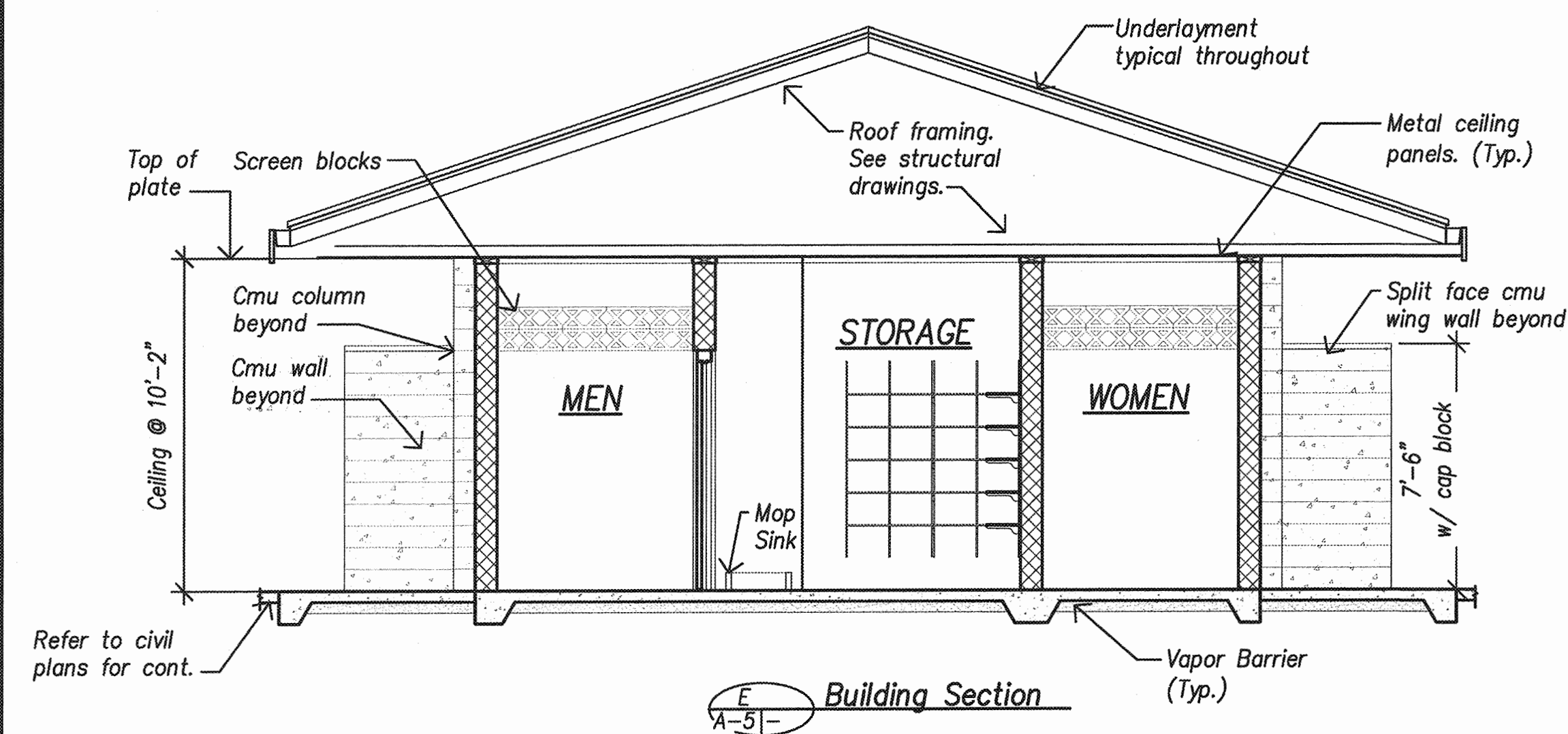
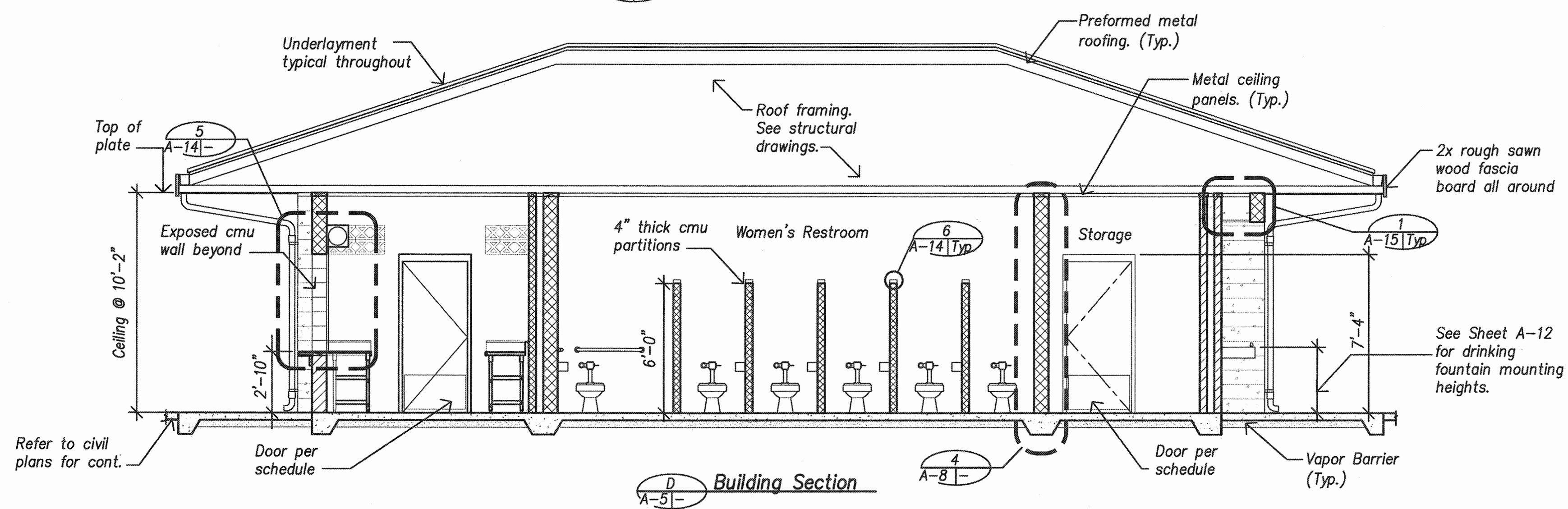
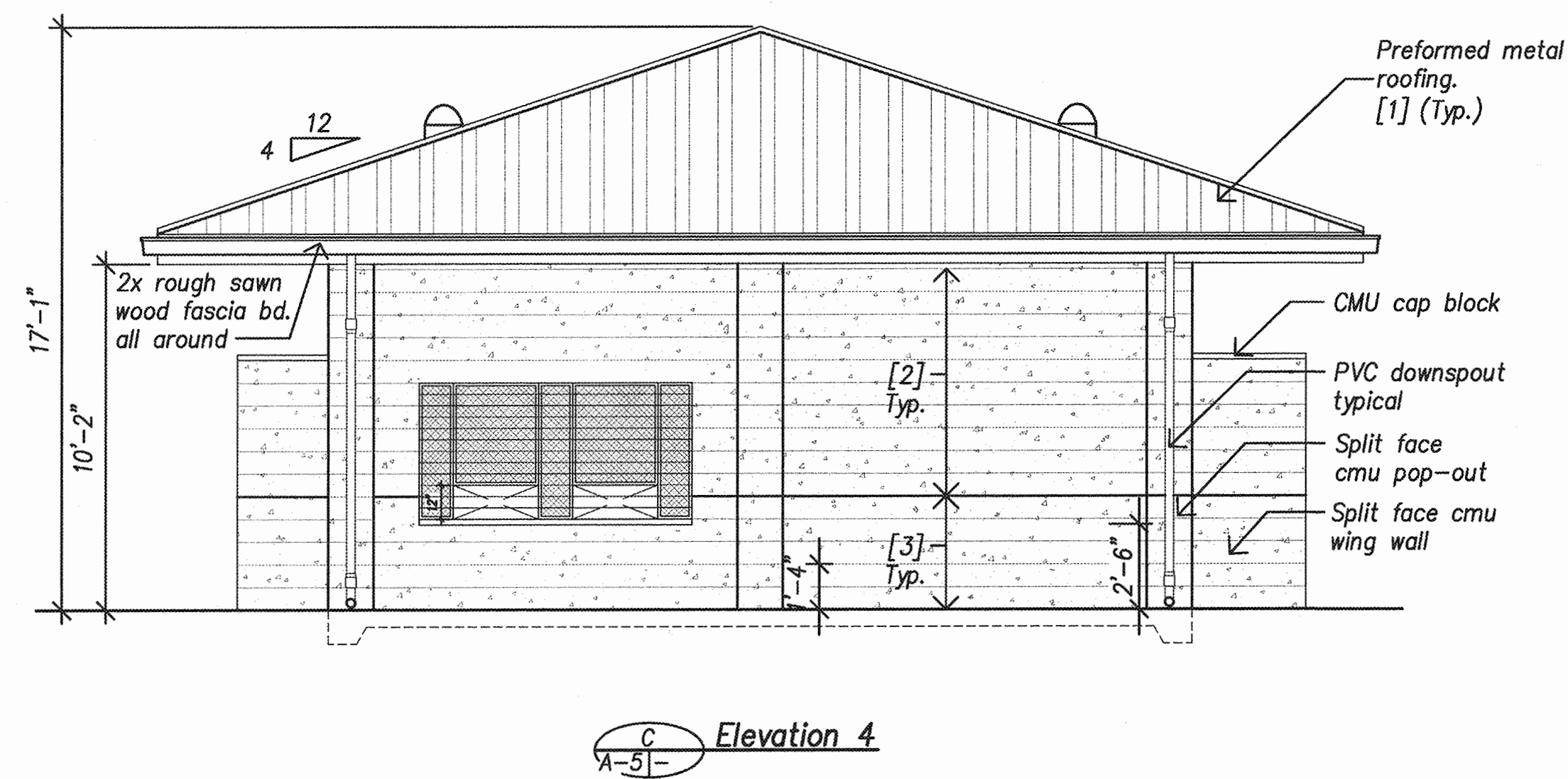
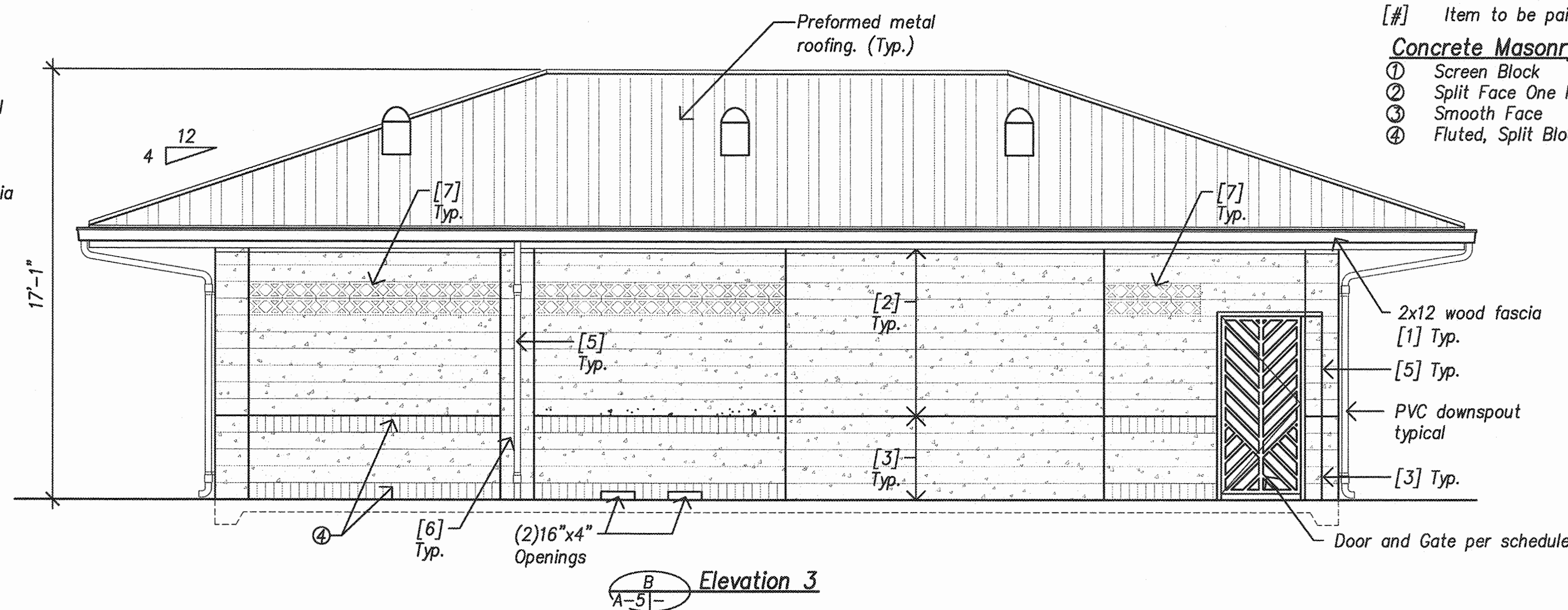
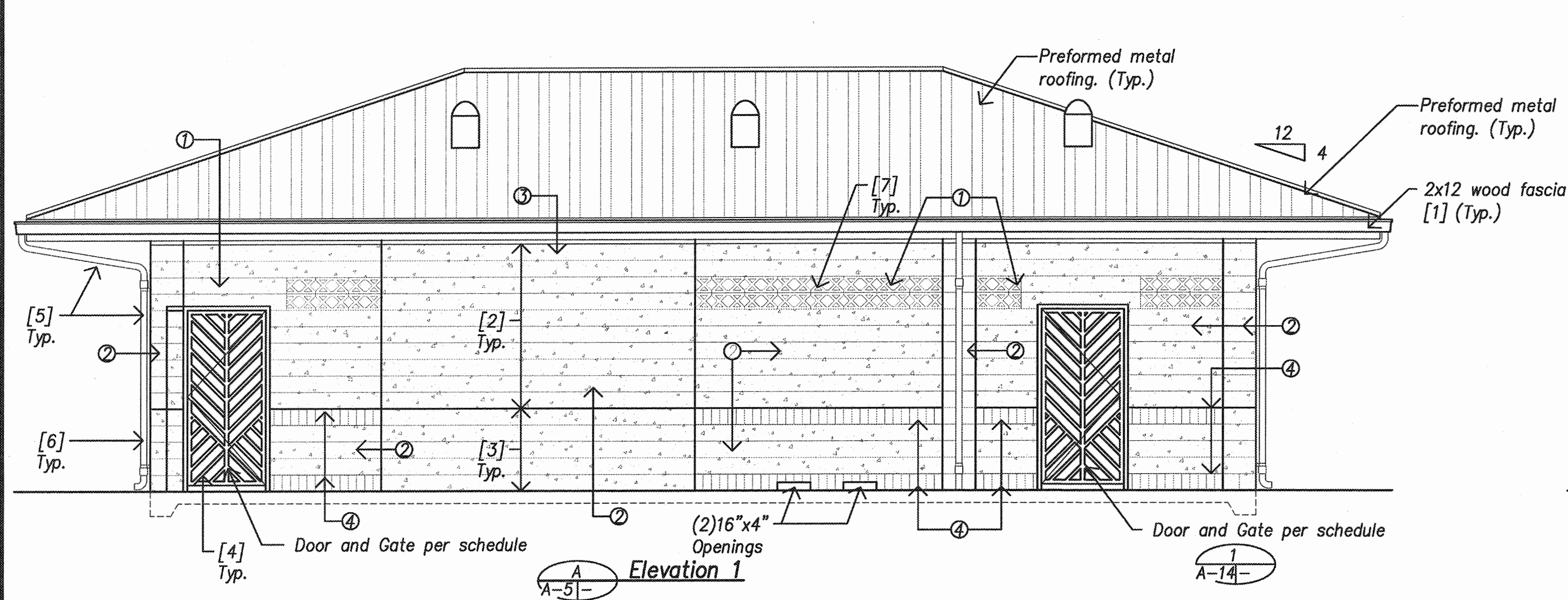
1. See sheet A/A-12 for accessible heights.
2. See detail 2/A-15 for tubular skylight detail.
3. See sheet A-13 for sign locations.
4. Painting not required for exterior metal soffit panels, interior ceiling metal panels, doors and door frames.
5. See sheet A-13 for exterior paint schedule and colors.

Legend

- ① Screen Block
- [#] Item to be painted and paint color

Concrete Masonry Unit Legend

- ① Screen Block
- ② Split Face One Face
- ③ Smooth Face
- ④ Fluted, Split Block



REVISION NO.	SYMBOL	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION CENTRAL MAUI REGIONAL SPORTS COMPLEX PHASE 3 WAILUKU, MAUI, HAWAII CONCESSION ELEVATIONS AND SECTIONS					
ALVIN M. YOSHIMORI LICENSED PROFESSIONAL ARCHITECT No. 2714 HAWAII, U.S.A.		LICENSE EXPIRATION DATE: 4-30-2016 THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. <small>(Observation of Construction as defined in the Hawaii Administrative Rules, Dept. of Commerce and Consumer Affairs, Professional Engineers, Architects, Surveyors and Landscape Architects)</small>			
DESIGNED:	AY	SUBMITTED:	AY		
DRAWN:	LE, RA	DATE:	DECEMBER 2015		
CHECKED:	AY	SCALE:	1/4" = 1'-0"		
APPROVED:			DATE:	DEC 22 2015	DRAWING NO. A-5

Sheet Notes

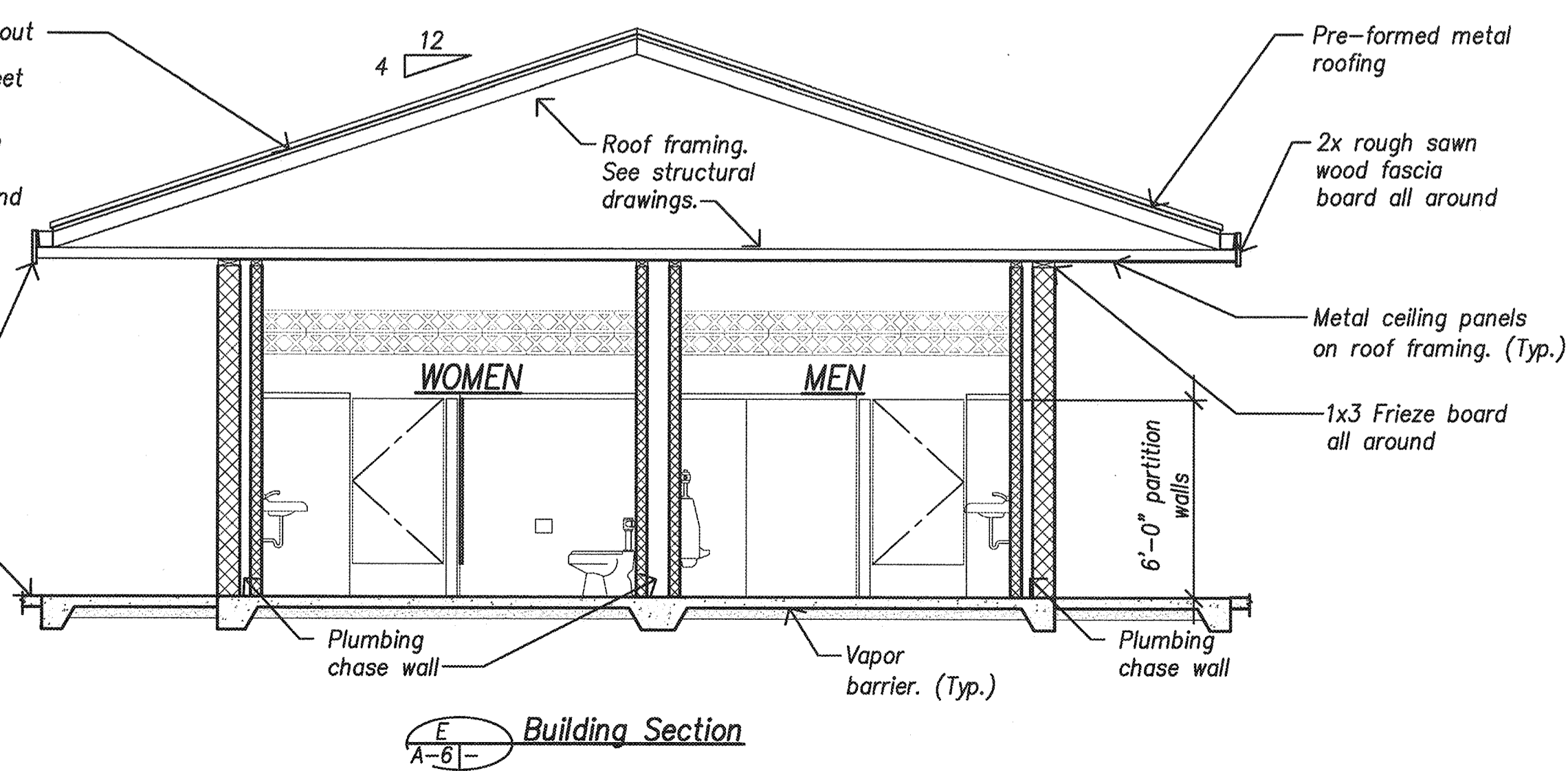
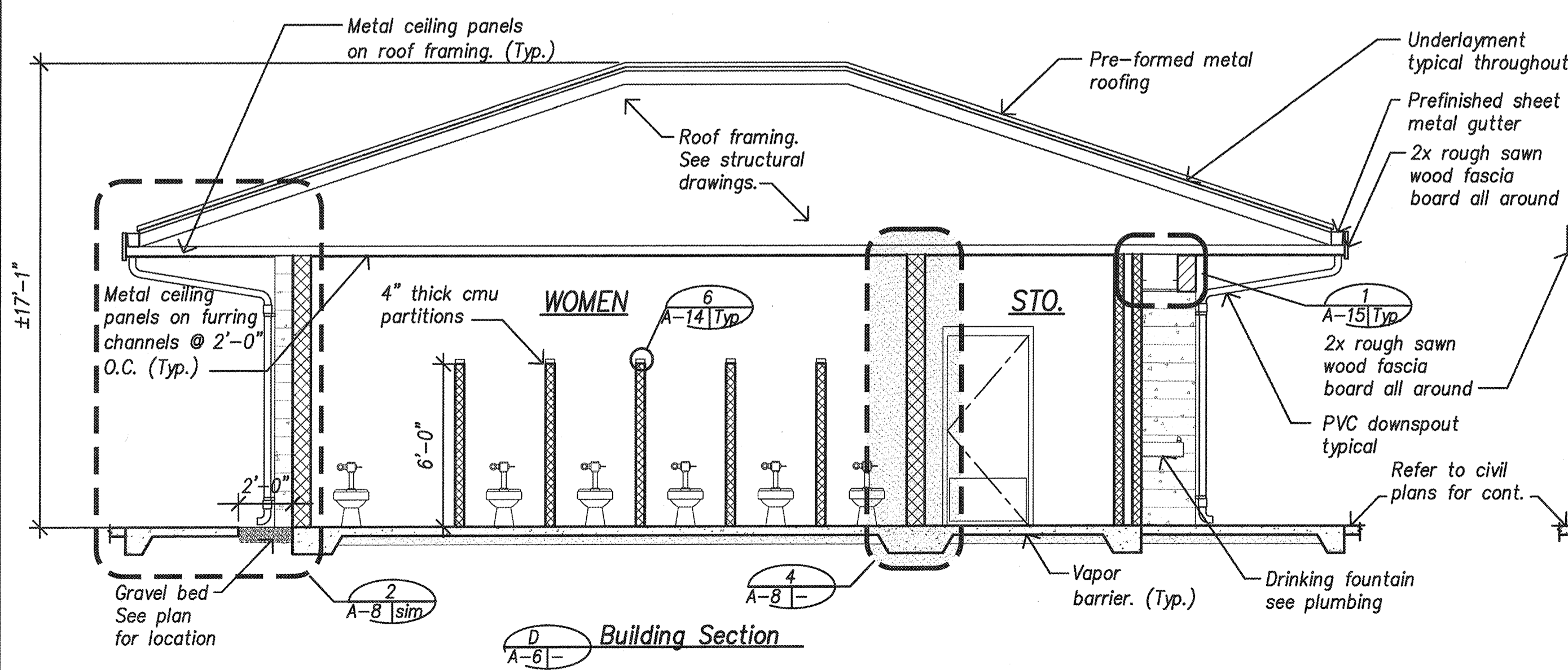
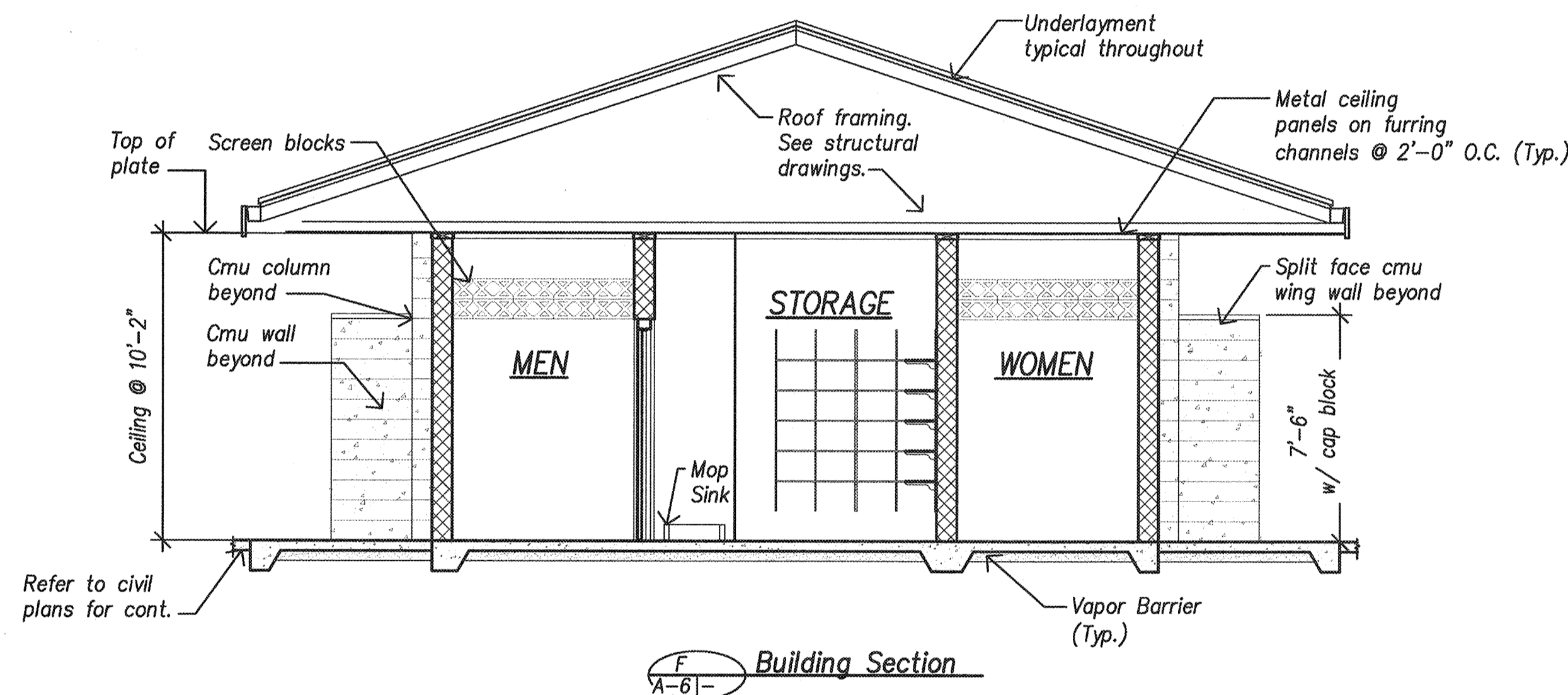
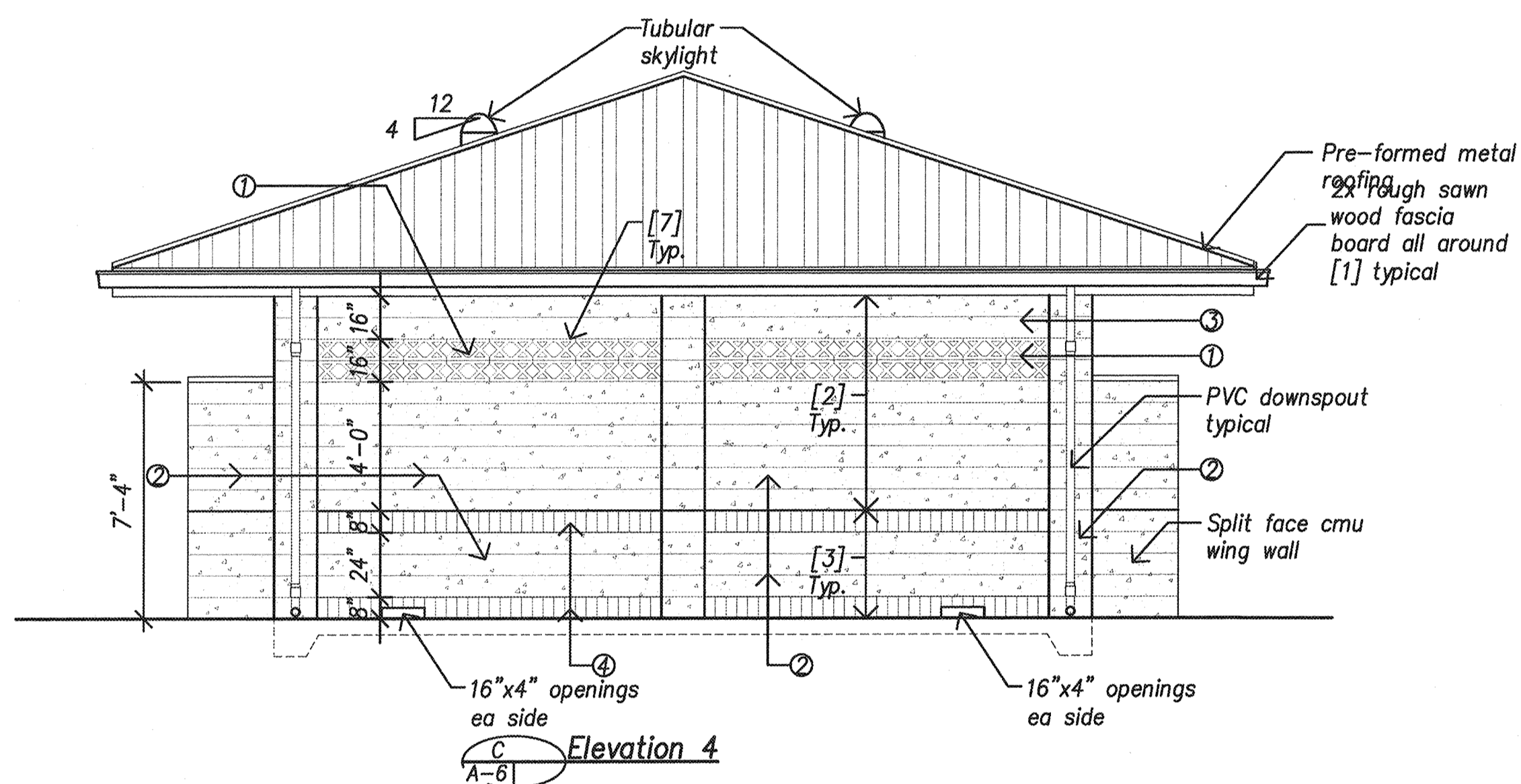
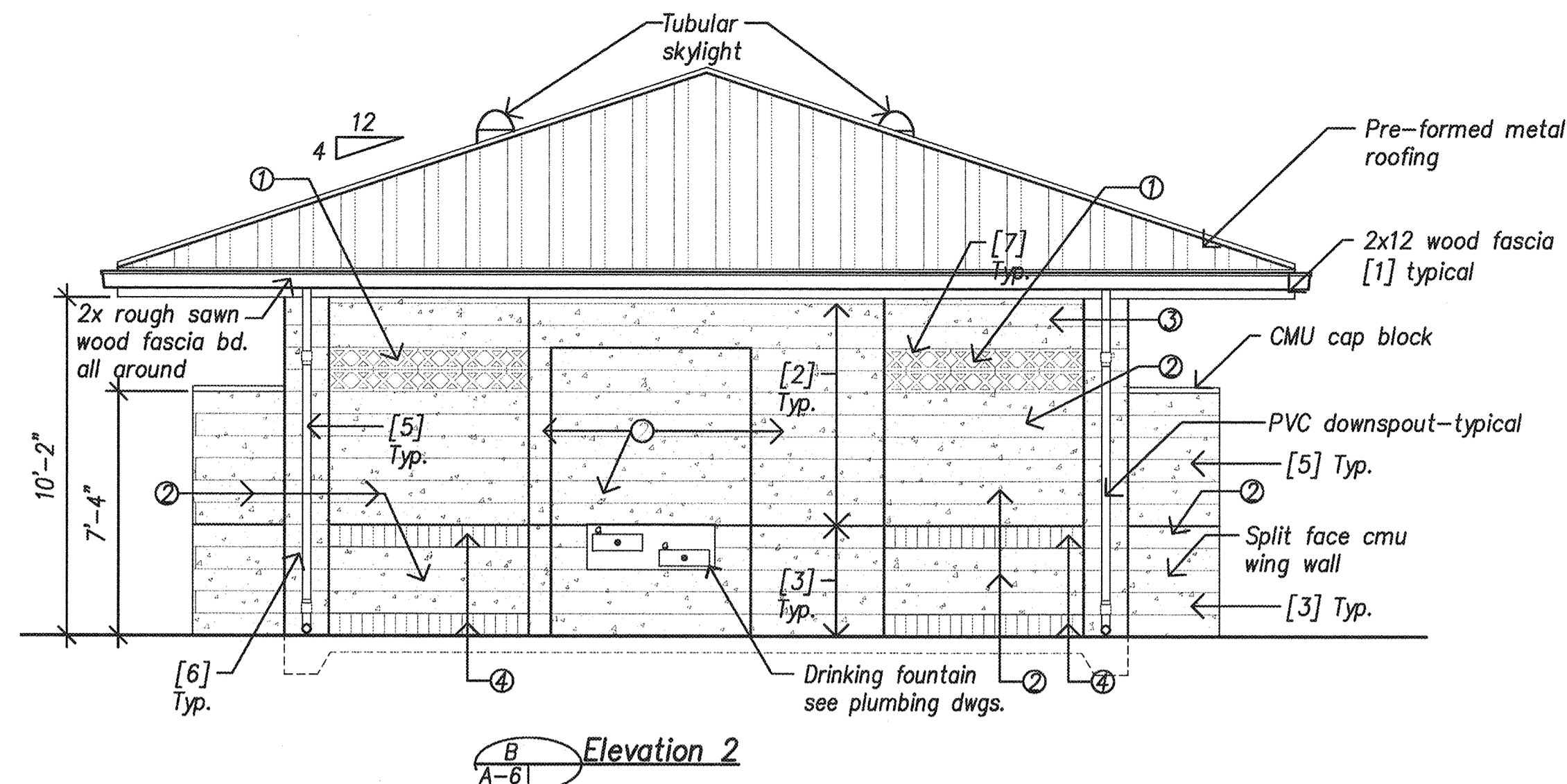
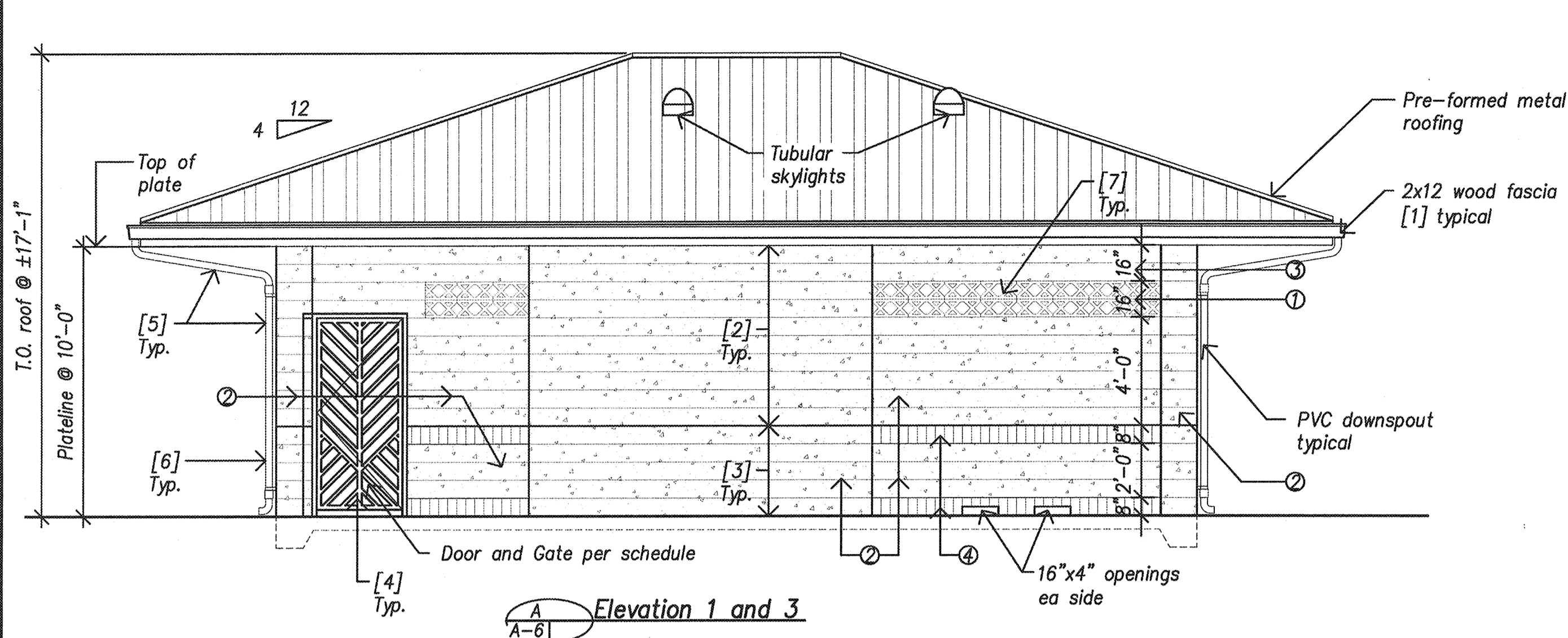
1. See sheet A/A-12 for accessible heights.
2. See detail 2/A-15 for tubular skylight detail.
3. See sheet A-13 for sign locations.
4. Painting not required for exterior metal soffit panels, interior ceiling metal panels, doors and door frames.
5. See sheet A-13 for exterior paint schedule and colors.

Legend

- ① Screen Block
- [#] Item to be painted and paint color

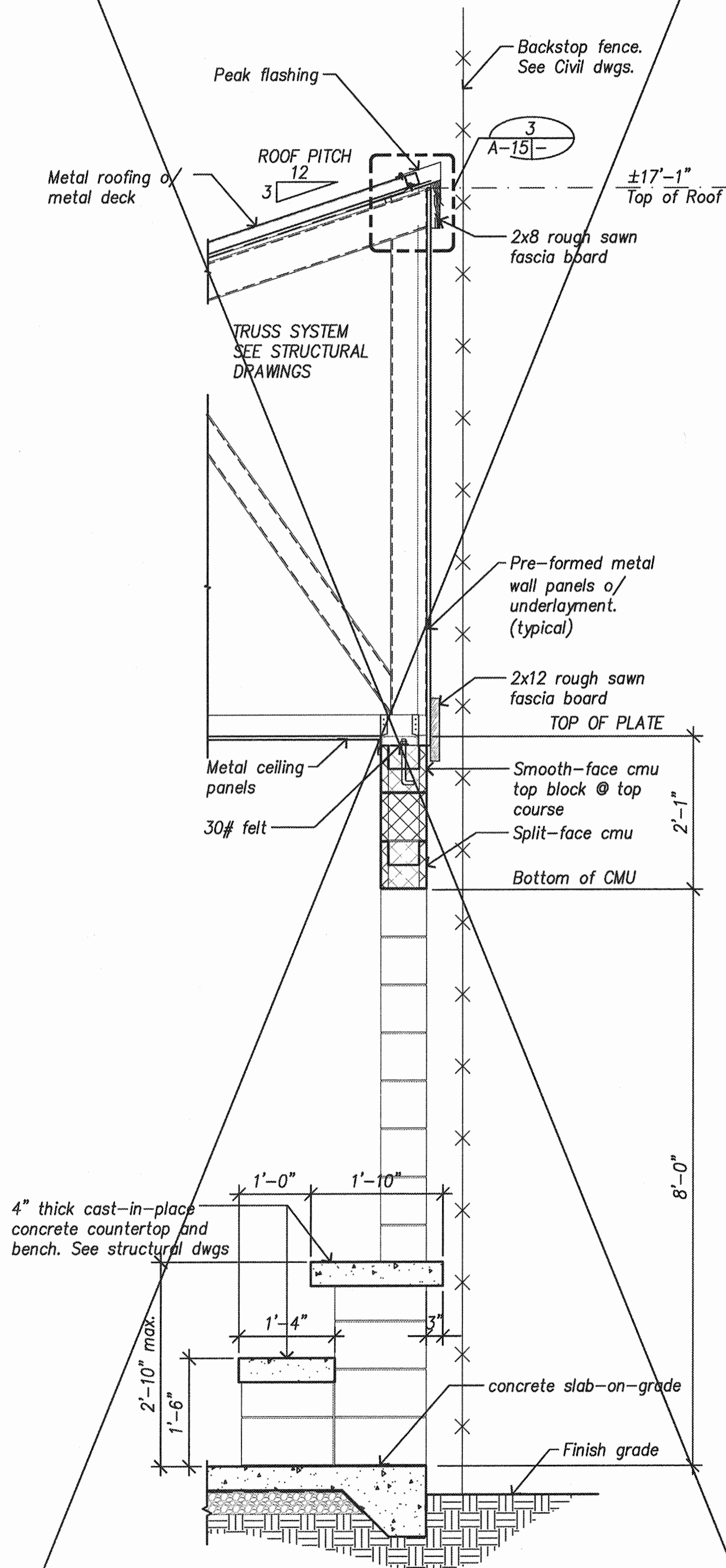
Concrete Masonry Unit Legend

- ① Screen Block
- ② Split Face One Face
- ③ Smooth Face
- ④ Fluted, Split Block

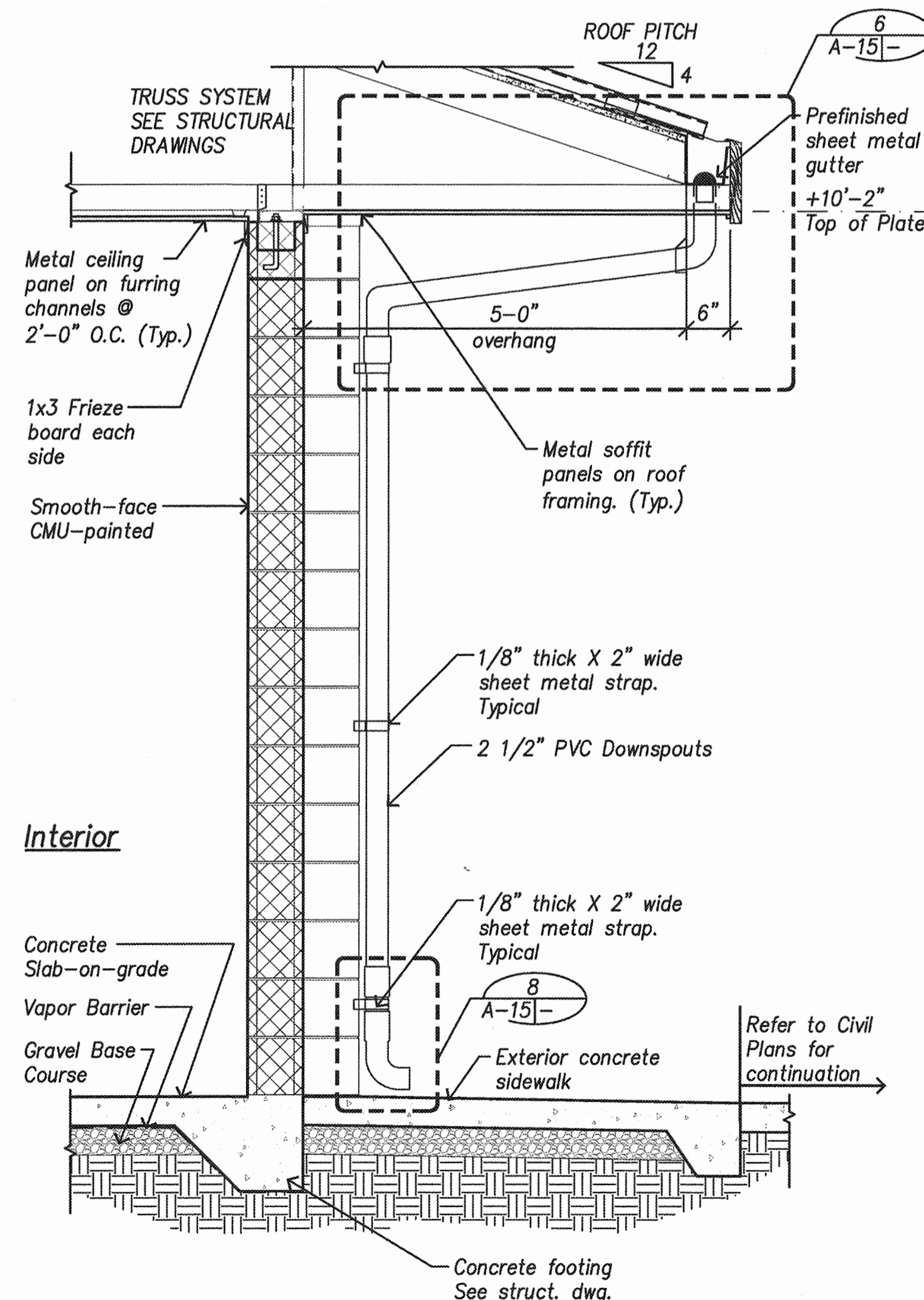


REVISION NO.	SYMBOL	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION CENTRAL MAUI REGIONAL SPORTS COMPLEX PHASE 3 WAILUKU, MAUI, HAWAII RESTROOM ELEVATIONS & PAINT SCHEDULES					
DESIGNED: AY DRAWN: LE, RA CHECKED: AY		SUBMITTED: AY DATE: DECEMBER 2015 SCALE: 1/4" = 1'-0"		APPROVED: <i>[Signature]</i> CHIEF ENGINEER DATE: DEC 22 2015	
DRAWING NO. A-6					

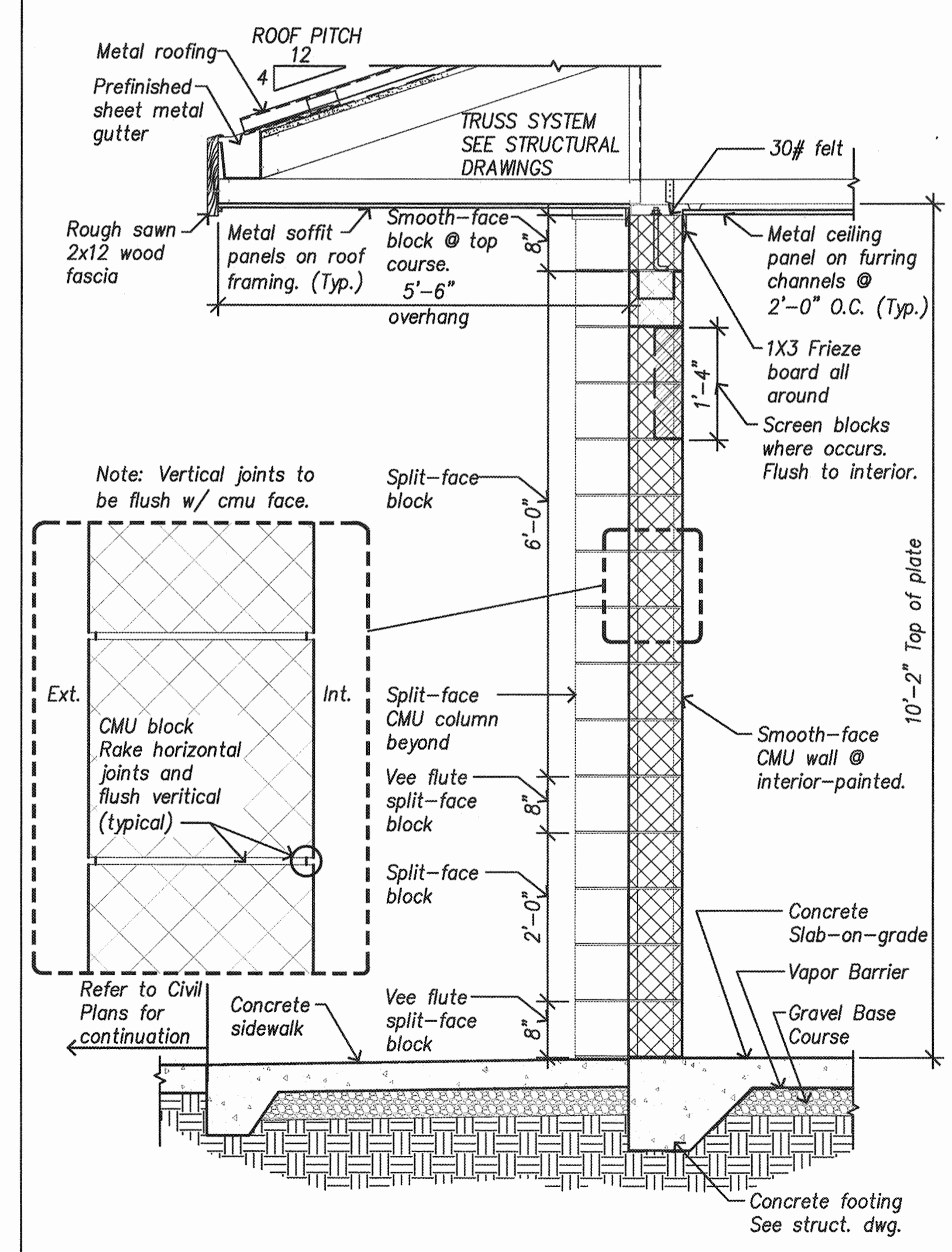
N.I.C.



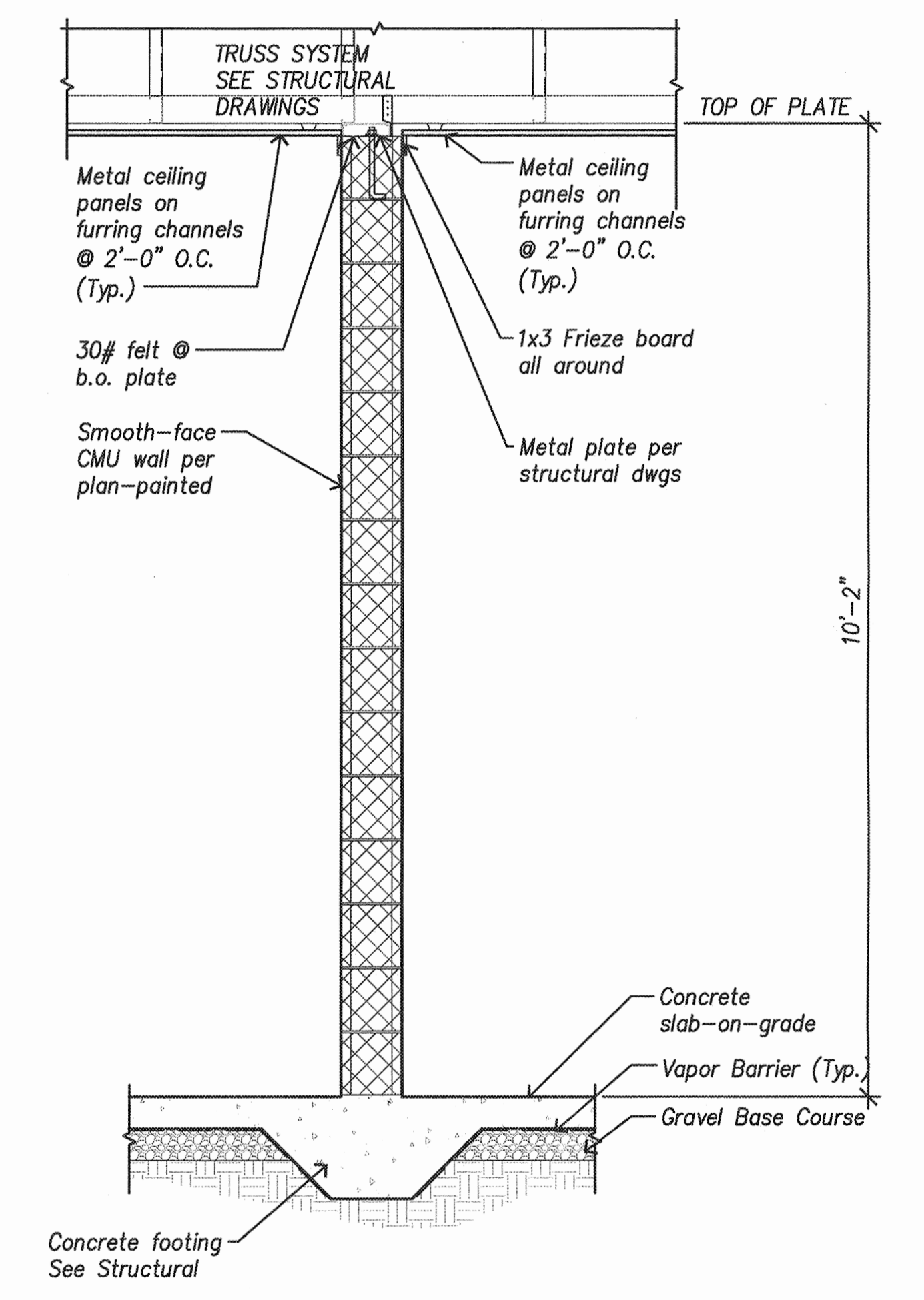
1 Wall Section
A-8 | Scale: 3/4" = 1'-0"



2 Wall Section
A-8 | Scale: 3/4" = 1'-0"



3 Wall Section
A-8 | Scale: 3/4" = 1'-0"



4 Wall Section - Typical Interior
A-8 | Scale: 3/4" = 1'-0"

REVISION NO.	SYMBOL	DESCRIPTION	SHT./OF	DATE	APPROVED
1	A-8				

ALVIN M. YOSHIMORI
LICENSED PROFESSIONAL ARCHITECT
No. 2714
HAWAII, U.S.A.

LICENSE EXPIRATION DATE: 4-30-2016

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.

(Observation of Construction as defined in the Hawaii Administrative Rules, Dept. of Commerce and Consumer Affairs, Professional Engineers, Architects, Surveyors and Landscape Architects)

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
ENGINEERING DIVISION

CENTRAL MAUI REGIONAL SPORTS COMPLEX
PHASE 3
WAILUKU, MAUI, HAWAII

WALL SECTIONS

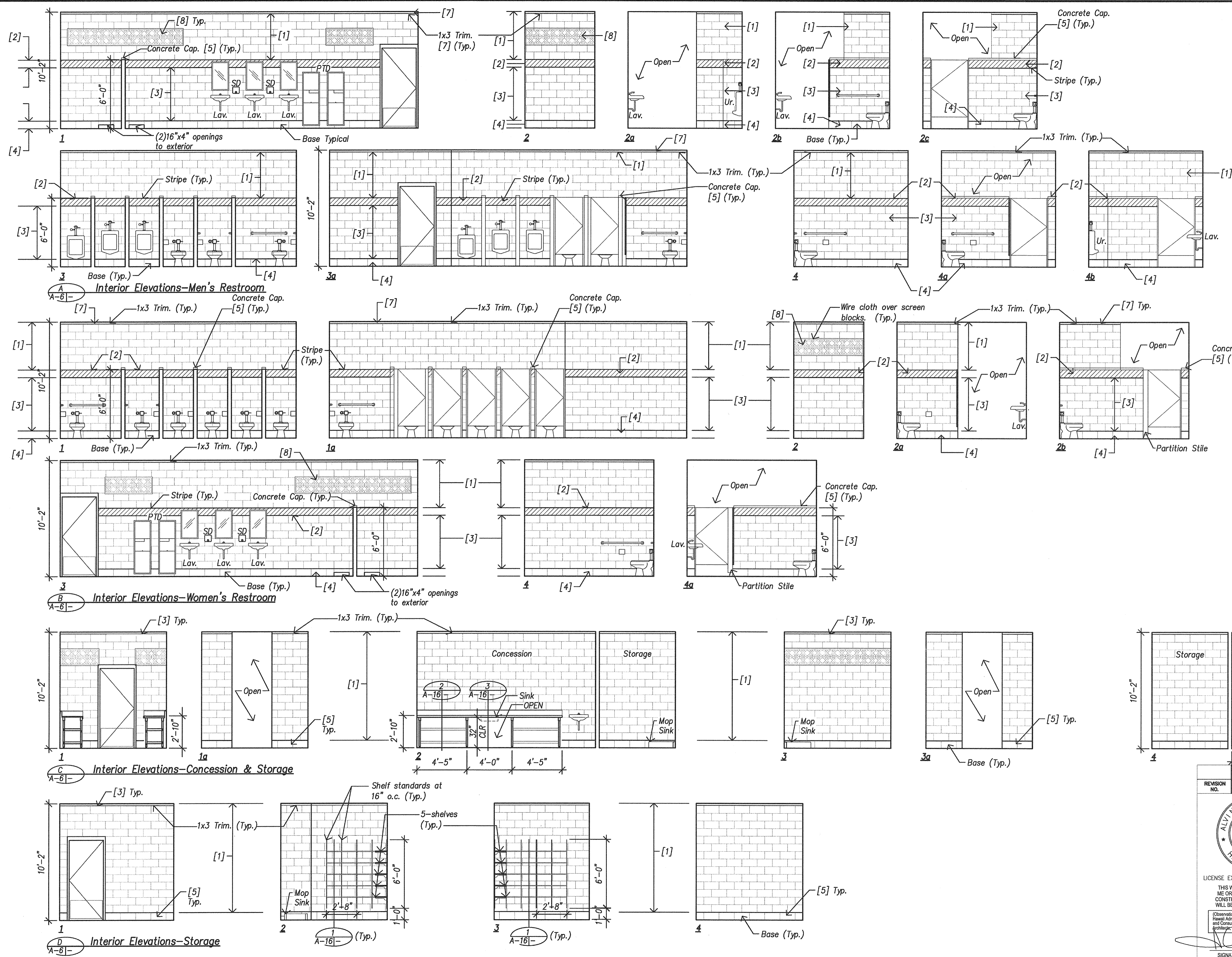
DESIGNED: AY SUBMITTED: AY

DRAWN: LE, RA DATE: DECEMBER 2015

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

APPROVED: *[Signature]* DRAWING NO. A-8

DATE: DEC 22 2015



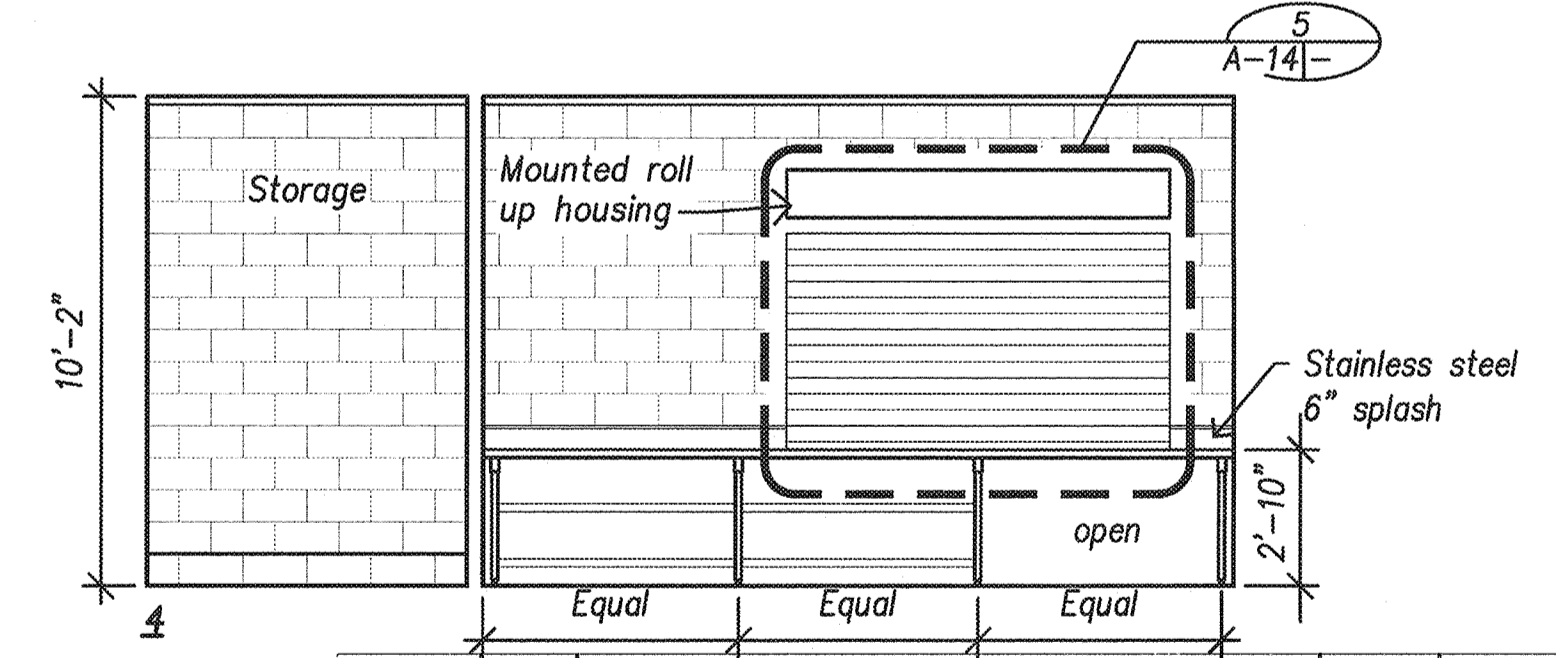
- Sheet Notes**
1. See A/A-12 for mounting heights and locations of accessible fixtures and accessories.
 2. All interior finish to be epoxy paint over smooth finish CMU.
 3. All interior cmu joints to be tooled.
 4. Painting not required for exterior metal panels, doors and door frames.
 5. See sheet A-13 for interior paint schedule and colors.
- Legend**
- [#] Item to be painted and paint color.

Interior Elevations—Men's Restroom

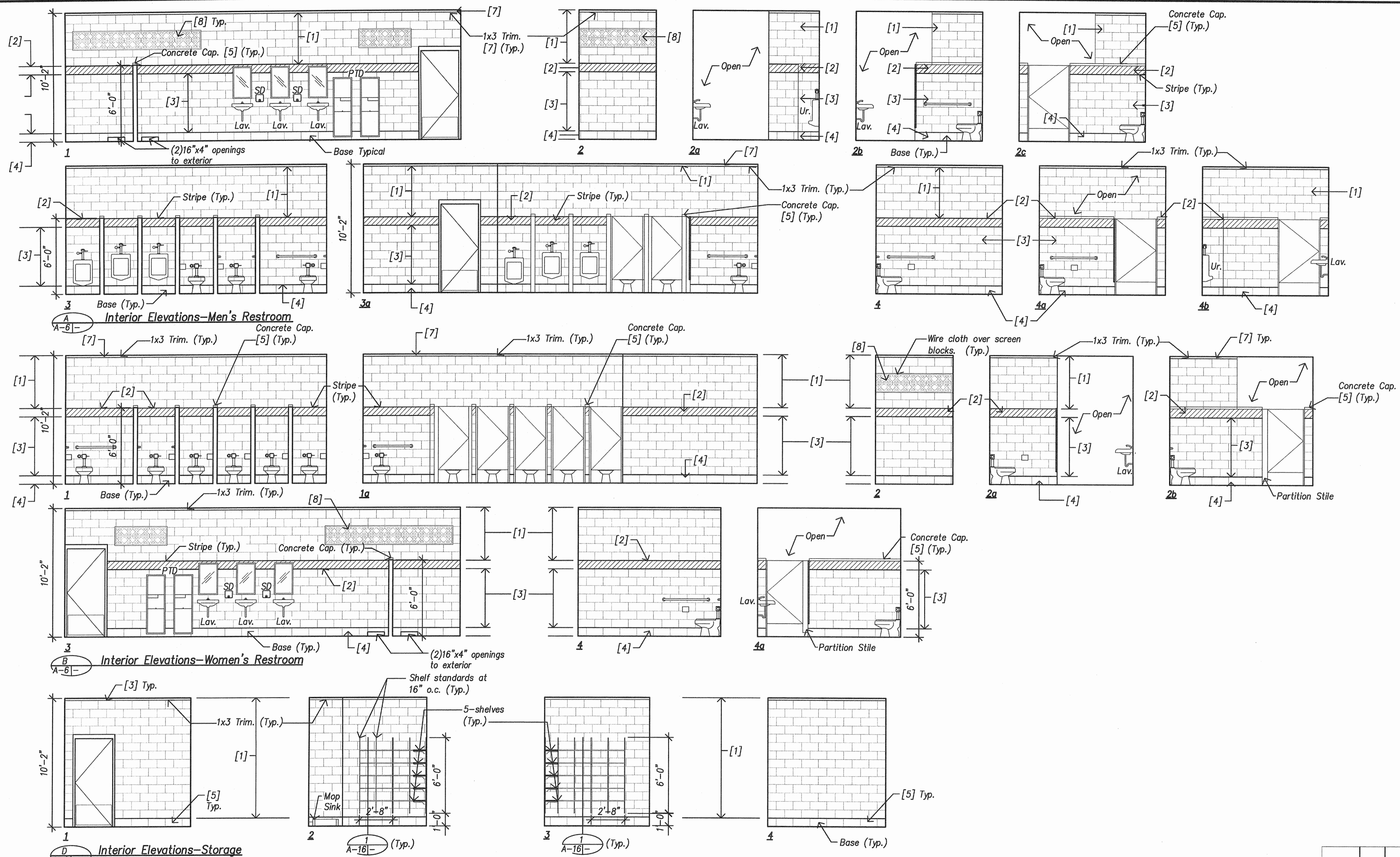
Interior Elevations—Women's Restroom

Interior Elevations—Concession & Storage

Interior Elevations—Storage



REVISION NO.	SYMBOL	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION CENTRAL MAUI REGIONAL SPORTS COMPLEX PHASE 3 WALUKU, MAUI, HAWAII CONCESSION INTERIOR ELEVATIONS					
DESIGNED:	AY	SUBMITTED:	AY	DATE:	DEC 22 2015
DRAWN:	LE, RA	CHECKED:	AY	SCALE:	1/4" = 1'-0"
APPROVED:			DATE:		DRAWING NO.:
SIGNATURE:			DATE:		A-9



Sheet Notes

1. See A/A-12 for mounting heights and locations of accessible fixtures and accessories.
2. All interior finish to be epoxy paint over smooth finish CMU.
3. All interior cmu joints to be tooled.
4. Painting not required for exterior metal soffit panels, interior ceiling metal panels, doors and door frames.
5. See sheet A-13 for interior paint schedule and colors.

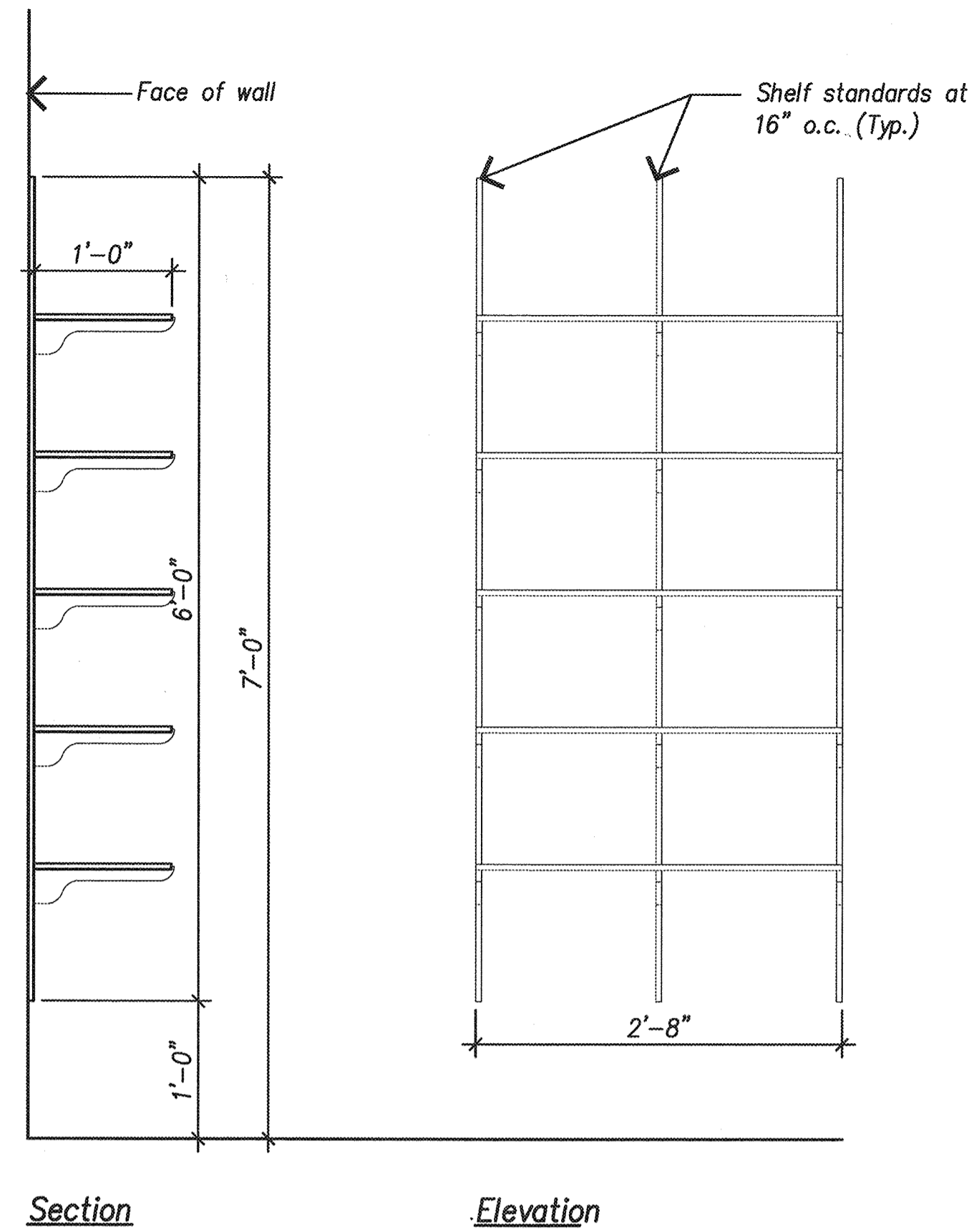
Legend

[#] Item to be painted and paint color.

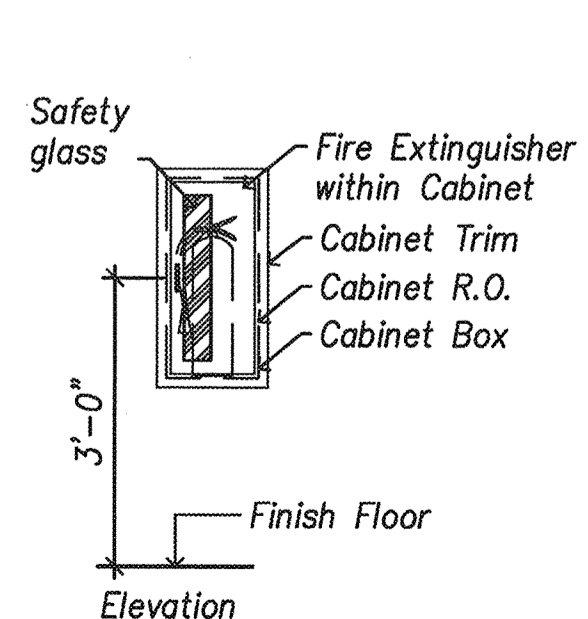
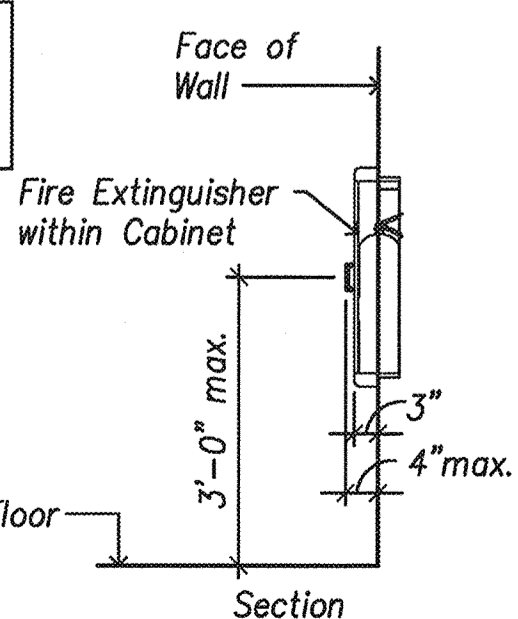
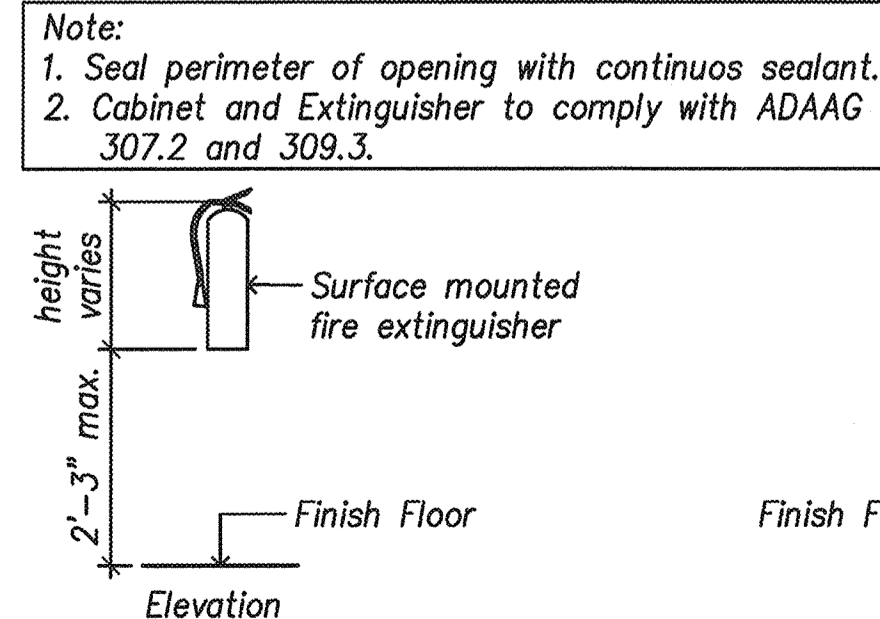
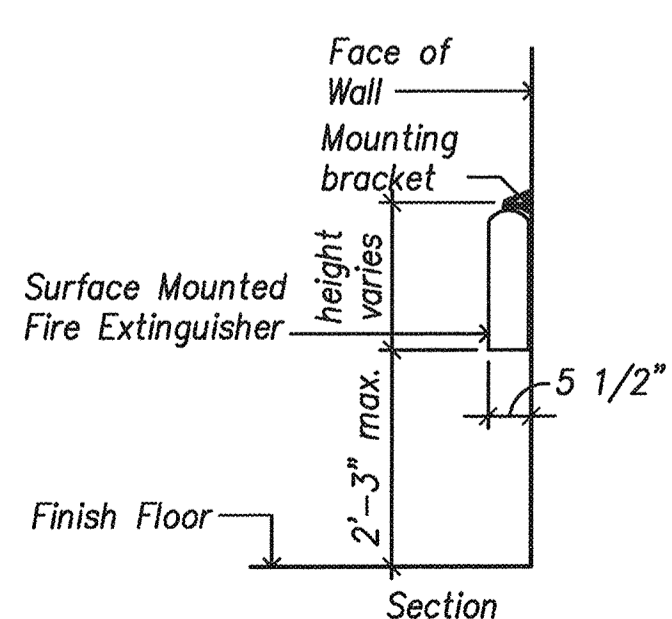
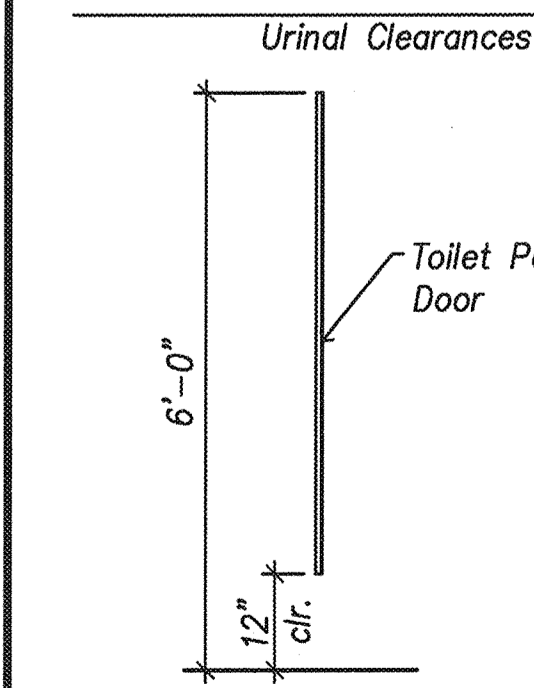
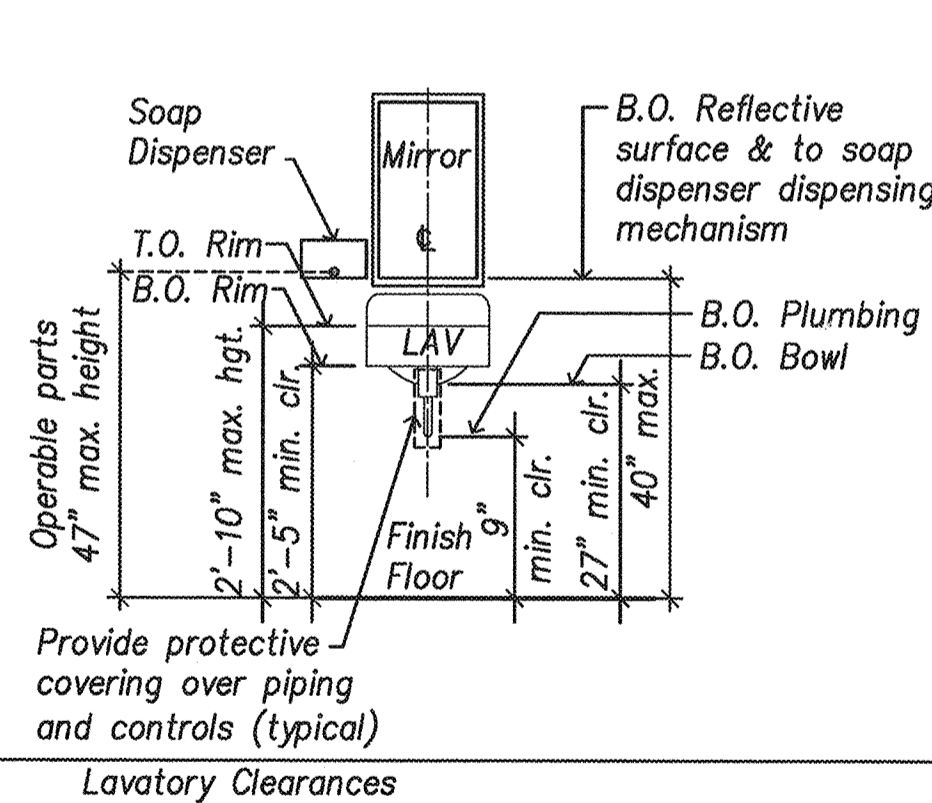
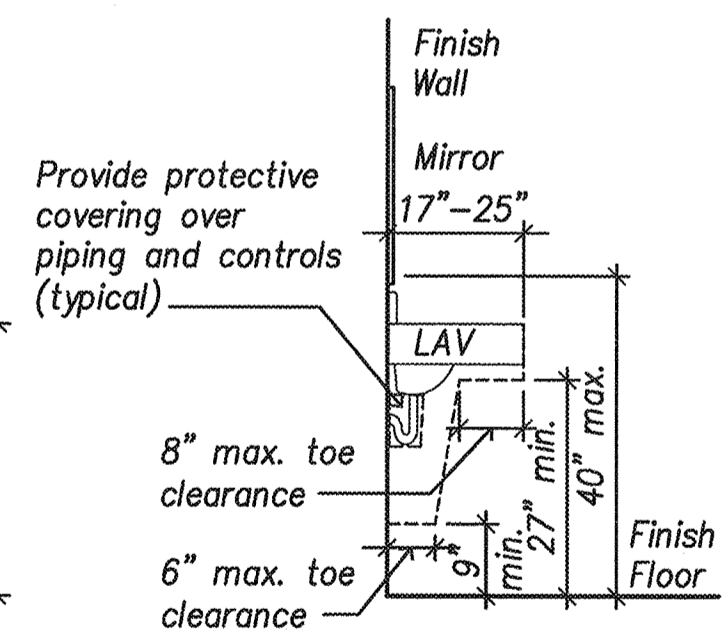
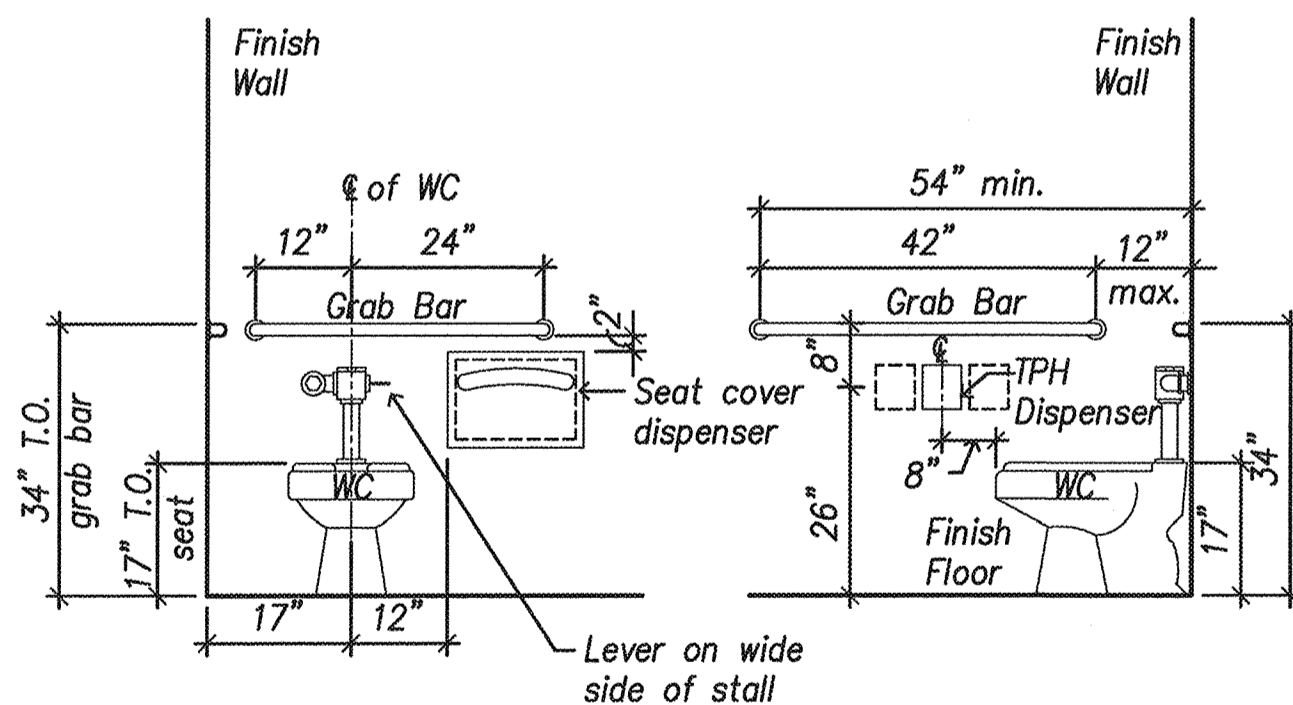
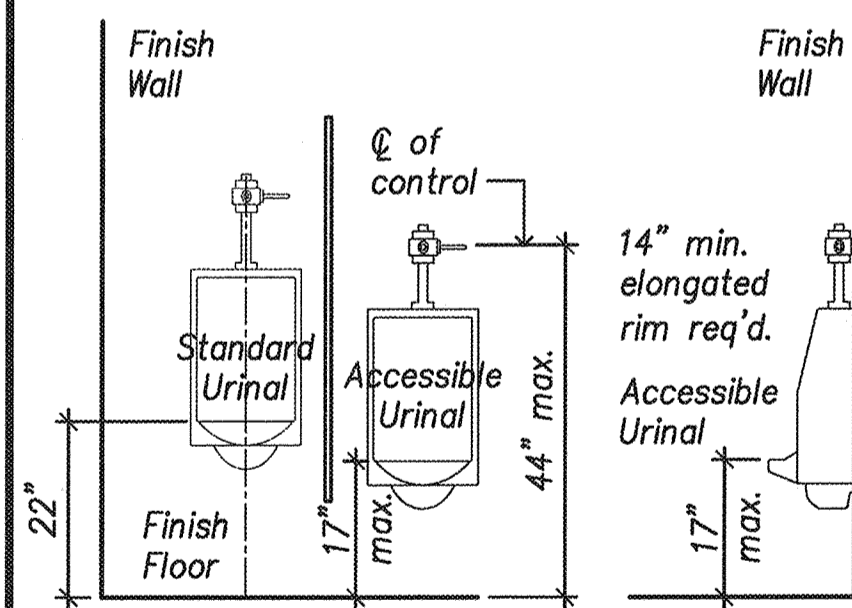
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STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION CENTRAL MAUI REGIONAL SPORTS COMPLEX PHASE 3 WAILUKU, MAUI, HAWAII RESTROOM INTERIOR ELEVATIONS					
DESIGNED:	AY	SUBMITTED:	AY	DATE:	DECEMBER 2015
DRAWN:	LE, RA	CHECKED:	AY	SCALE:	1/4" = 1'-0"
APPROVED:			DATE:		DRAWING NO.:
			DEC 22 2015		A-10
SIGNATURE			DATE		CHIEF ENGINEER

ROOM FINISH SCHEDULE

	ROOM NAME	FLOOR		BASE	WALLS	CEILING	REMARKS
		Epoxy Paint	Concrete (Medium Broom Finish)	Epoxy Paint	Epoxy Paint	Metal Ceiling Panels	
CONCESSION BUILDING	MEN	●		●	●	●	
	STORAGE	●		●	●	●	
	WOMEN	●		●	●	●	
	CONCESSION	●		●	●	●	
	STORAGE	●		●	●	●	
RESTROOM BUILDING	MEN	●		●	●	●	
	STORAGE	●		●	●	●	
	WOMEN	●		●	●	●	
LARGE SCORERS BOOTH Additive Bid Item 3	SCORE KEEPERS BOOTH	●		●	●	●	
	MAINTENANCE STORAGE	●		●	●	●	
SMALL SCORERS BOOTH Additive Bid Items 3 & 4	SCORE KEEPERS BOOTH	●		●	●	●	N.I.C.
	TEAM STORAGE #1	●		●	●	●	
	TEAM STORAGE #2	●		●	●	●	



A-12-1 Metal Shelves in Storage
Scale: 1" = 1'-0"



A-12-1 Typical Accessible Mounting Heights

Partition

Portable Fire Extinguisher

Portable Fire Extinguisher with Cabinet

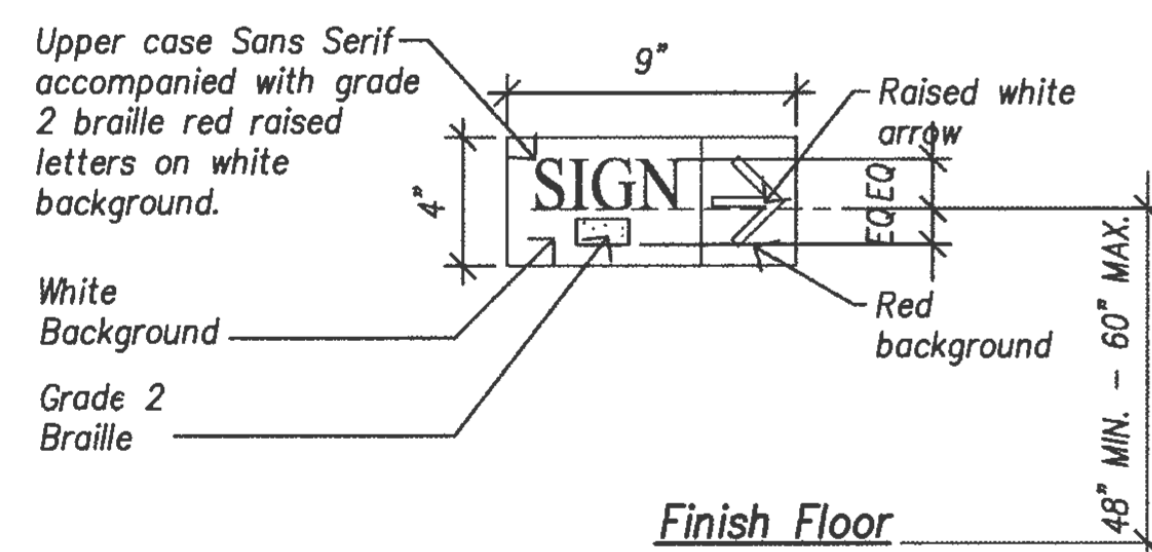
REVISION NO.	SYMBOL	DESCRIPTION	SHT./OF	DATE	APPROVED
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DESIGNED:	AY	SUBMITTED:	AY		
DRAWN:	LE, RA	DATE:	DECEMBER 2015		
CHECKED:	AY	SCALE:	N/A		
APPROVED:				DATE:	DEC 22 2015
			CHIEF ENGINEER		DRAWING NO. A-12

Door Schedule

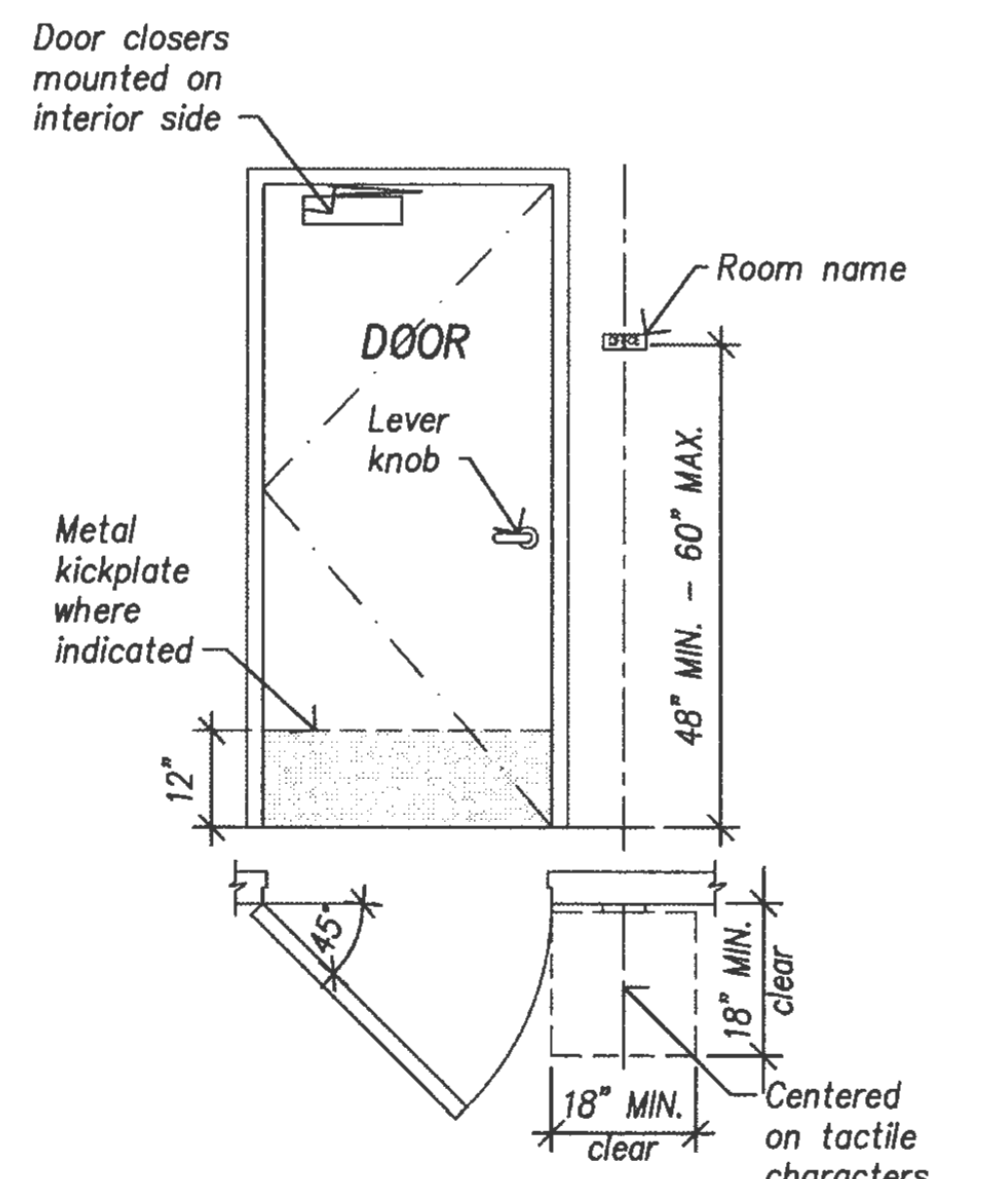
Door No.	Size Width x Height (W) (H)	Door/Gate Type	Thickness (inches) (Note 2)	Construction (Note 3)	Facing & Finish (Note 4)	Door Frame (Note 5)	Details			HD/ME Group	Remarks
							Head	Jamb	Threshold		
CONCESSION BUILDING											
1	See Gate Type	B	2"	STL	P	STL	8/A-14	8/A-14	-	4	
2	3'-0" x 7'-0"	A	1 3/4"	PF	FRP	AL	1/A-14	1/A-14	1/A-14	1	
3	3'-0" x 7'-0"	A	1 3/4"	PF	FRP	AL	1/A-14	1/A-14	1/A-14	3	
4	See Gate Type	B	2"	STL	P	STL	8/A-14	8/A-14	-	4	
5	3'-0" x 7'-0"	A	1 3/4"	PF	FRP	AL	1/A-14	1/A-14	1/A-14	1	
6	See Gate Type	C	2"	STL	P	STL	6/A-16	6/A-16	-	5	See detail 4/A-16 for cane bolt detail
7	3'-0" x 7'-0"	A	1 3/4"	PF	FRP	AL	1/A-14	1/A-14	1/A-14	2	
8	8'-0" x 4'-6"	D	-	AL	AL	AL	5/A-14	5/A-14	5/A-14	-	Roll-up Coiling Door
RESTROOM BUILDING											
1	See Gate Type	B	2"	STL	P	STL	8/A-14	8/A-14	-	4	
2	3'-0" x 7'-0"	A	1 3/4"	PF	FRP	AL	1/A-14	1/A-14	1/A-14	1	
3	3'-0" x 7'-0"	A	1 3/4"	PF	FRP	AL	1/A-14	1/A-14	1/A-14	3	
4	See Gate Type	B	2"	STL	P	STL	8/A-14	8/A-14	-	4	
5	3'-0" x 7'-0"	A	1 3/4"	PF	FRP	AL	1/A-14	1/A-14	1/A-14	1	
SCORERS BOOTH TYPES A AND B Additive Bid items 3 & 4											
1	See Gate Type	C	2"	STL	P	STL	8/A-14	8/A-14	-	4	
2	3'-0" x 7'-6"	A	1 3/4"	PF	FRP	AL	1/A-14	1/A-14	1/A-14	2	
3	See Gate Type	C	2"	STL	P	STL	8/A-14	8/A-14	-	4	
4	3'-0" x 7'-0"	A	1 3/4"	PF	FRP	AL	1/A-14	1/A-14	1/A-14	2	
5	See Gate Type	C	2"	STL	P	STL	8/A-14	8/A-14	-	4	N.I.C.
6	3'-0" x 7'-0"	A	1 3/4"	PF	FRP	AL	1/A-14	1/A-14	1/A-14	2	
7	See Gate Type	D	2"	STL	P	STL	8/A-14	8/A-14	-	5	(PAIR)
8	3'-0" x 7'-0"	A	1 3/4"	PF	FRP	AL	1/A-14	1/A-14	1/A-14	6	(PAIR) - Sign shall be located to the right of the right hand door.

Door Notes List

- () Around any entry indicates remark noted in remarks column pertains.
- All doors are 1-3/4" thick unless otherwise noted.
- Door construction:
PF = Polyurethane Foam
STL = Steel
- Facing and Finish. (See also Door Schedule Remarks list.)
FRP = Fiber Reinforced Plastic
P = Paint
- Door Frame:
AL = Aluminum
STL = Steel
- All doors required to be accessible to receive smooth surface kick plate per ADAAG 404.2.10.
- Door closing speed shall comply with ADAAG 404.2.8.
A. Door Closers: Door closers and gate closers all be adjusted so that from an open position of 90 degrees, the time required to move the door to a position of 12 degrees from the latch is 5 seconds minimum.
- Signs to comply with ADAAG 703.
A. Sign installation heights and locations to comply with ADAAG 703.4.
B. Sign visual characters to comply with ADAAG 703.5.
C. See sheet A-12 for rooms requiring signs.
D. See floor plans for sign locations.

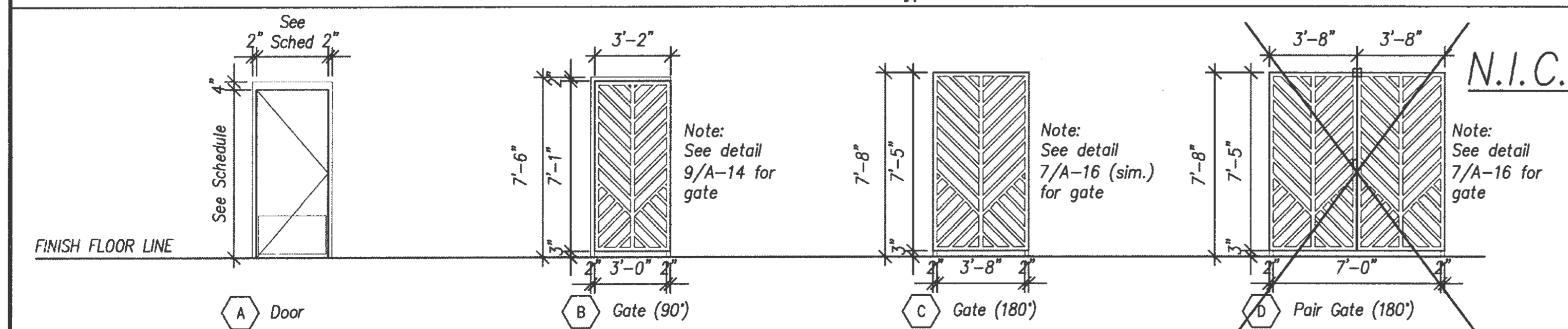


2 Sign Elevation
A-131- Not to scale



1 Typical Door (where applicable)
A-131- Not to scale

Door and Gate Types



N.I.C.

EXTERIOR PAINT COLOR SCHEDULE

BUILDING	ITEM/SURFACE	MANUFACTURER	PRODUCT NO.	COLOR NAME	LOCATION	REMARKS
Concession Restroom and Restroom	[1]-Paint / Roof Fascia	Devoe Paint	90YR 16/ 129	Light Choclat		(1)
	[2]-Paint / CMU Walls	Devoe Paint	10YY 41/ 083	Castle Rock	Above Wainscot	(1)
	[3]-Paint / CMU Wall Wainscot	Devoe Paint	90YR 16/ 129	Light Choclat	Wainscot	(1), (2)
	[4]-Paint / Metal Gate & Frame	Devoe Paint	10YY 21/ 119	Minnesota Pines		(1)
	[5]-Paint / PVC Downspout	Devoe Paint	10YY 41/ 083	Castle Rock	Above Wainscot	(1)
	[6]-Paint / PVC Downspout	Devoe Paint	90YR 16/ 129	Light Choclat	Wainscot Height	(1)
	[7]-Paint / CMU Screen Block	Devoe Paint	10YY 41/ 083	Castle Rock		(1), (3)

Remarks:

- See Exterior Elevations for locations of item nos.
- Paint 5 CMU courses high above floor line for wainscot.
- Paint CMU screen block web surfaces and exterior face. For interior face of screen block, see interior paint schedule.

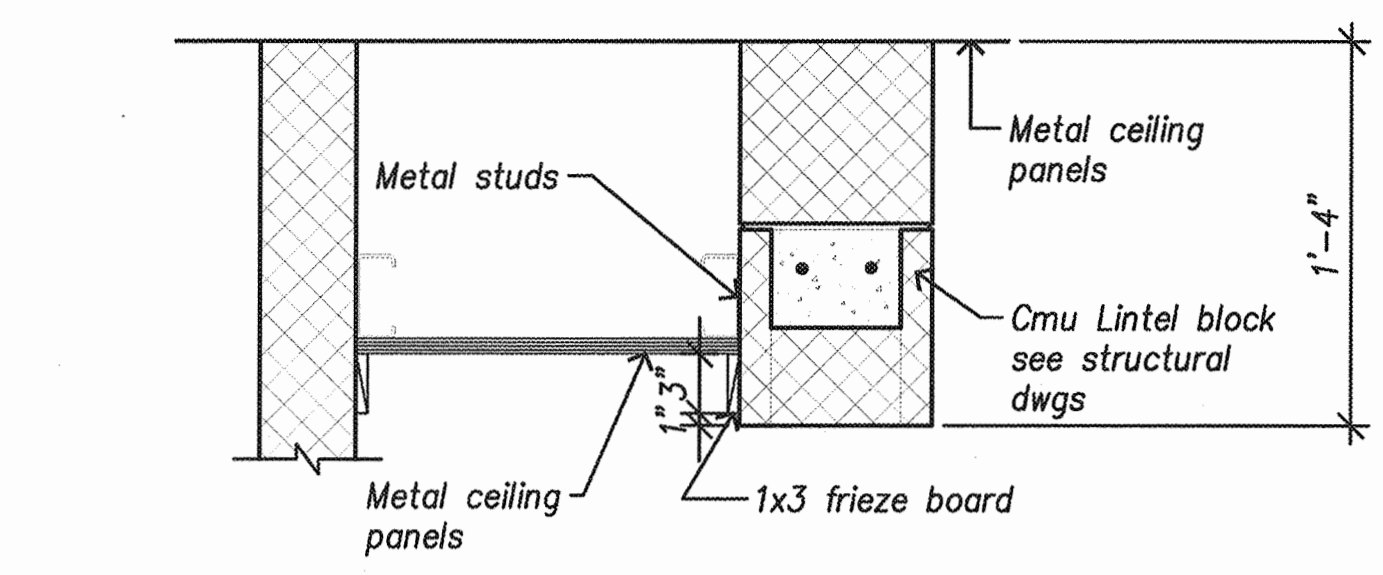
INTERIOR PAINT COLOR SCHEDULE

Room	ITEM/SURFACE	MANUFACTURER	PRODUCT NO.	COLOR NAME	LOCATION	REMARKS
Men's	[1]-Paint / CMU Walls	Devoe Paint	30YY 68/ 024	Barley Beige	Above Stripe Paint	(1)
	[2]-Paint / CMU Walls	Devoe Paint	70BG 11/ 257	Lakemont Blue	Stripe on Wall	(1)
	[3]-Paint / CMU Walls	Devoe Paint	30YY 46 /036	Zeppelin	Wainscot	(1)
	[4]-Paint / CMU Wall Base	Devoe Paint	30YY 20/ 029	Mansard Stone	Wall Base	(1), (2)
	[5]-Paint / Concrete Partition Cap	Devoe Paint	30YY 68/ 024	Barley Beige	Concrete Toilet Partition Cap	(1)
	[6]-Paint / Concrete Floor	Devoe Paint	30YY 20/ 029	Mansard Stone	Floor Slab	(3)
	[7]-Paint / Frieze Board	Devoe Paint	30YY 68/ 024	Barley Beige	Wall Ceiling Corner Trim	(1)
	[8]-Paint / CMU Screen Blocks	Devoe Paint	30YY 68/ 024	Barley Beige	Interior Face of Screen Blocks	(1)
Women's	[1]-Paint / CMU Walls	Devoe Paint	40YY 60/ 113	Manuscript	Above Stripe Paint	(1)
	[2]-Paint / CMU Walls	Devoe Paint	10GY 21/ 119	Minnesota Pines	Stripe on Wall	(1)
	[3]-Paint / CMU Walls	Devoe Paint	50YY 43/ 103	Arcadia House	Wainscot	(1)
	[4]-Paint / CMU Wall Base	Devoe Paint	00YY 26/ 220	Creme Brulee	Wall Base	(1), (2)
	[5]-Paint / Concrete Partition Cap	Devoe Paint	40YY 60/ 113	Manuscript	Concrete Toilet Partition Cap	(1)
	[6]-Paint / Concrete Floor	Devoe Paint	00YY 26/ 220	Creme Brulee	Floor Slab	
	[7]-Paint / Frieze Board	Devoe Paint	40YY 60/ 113	Manuscript	Wall Ceiling Corner Trim	(1)
	[8]-Paint / CMU Screen Blocks	Devoe Paint	40YY 60/ 113	Manuscript	Interior Face of Screen Blocks	(1)
Storage	[1]-Paint / CMU Walls	Devoe Paint	30YY 68/ 024	Barley Beige	Above Wainscot	(1)
	[2]-Paint / CMU Walls	Devoe Paint	30YY 46/ 036	Zeppelin	Wainscot	(1), (4)
	[3]-Paint / Frieze Board	Devoe Paint	30YY 68/ 024	Barley Beige	Wall Ceiling Corner Trim	
	[4]-Paint / Concrete Floor	Devoe Paint	30YY 20/ 029	Mansard Stone	Floor Slab	(3)
	[5]-Paint / CMU Wall Base	Devoe Paint	30YY 20/ 029	Mansard Stone	Wall Base	(2)
Concession Storage	[1]-Paint / CMU Wall	Devoe Paint	30YY 68/ 024	Barley Beige		(1)
	[2]-Paint / CMU Wall Base	Devoe Paint	10YY 27/ 060	Arrow Wood	Wall Base	(1), (3)
	[3]-Paint / Concrete Floor	Devoe Paint	10YY 27/ 060	Arrow Wood	Floor Slab	(2)
	[4]-Paint / Frieze Board	Devoe Paint	30YY 68/ 024	Barley Beige	Wall Ceiling Corner Trim	(1)
	[5]-Paint / CMU Screen Blocks	Devoe Paint	30YY 68/ 024	Barley Beige	Interior Face of Screen Blocks	(1)
Concession	[1]-Paint / CMU Wall	Devoe Paint	30YY 68/ 024	Barley Beige		(1)
	[2]-Paint / CMU Wall Base	Devoe Paint	10YY 27/ 060	Arrow Wood	Wall Base	(1), (2)
	[3]-Paint / Concrete Floor	Devoe Paint	10YY 27/ 060	Arrow Wood	Floor Slab	(3)
	[4]-Paint / Frieze Board	Devoe Paint	30YY 68/ 024	Barley Beige	Wall Ceiling Corner Trim	(1)
	[5]-Paint / CMU Screen Blocks	Devoe Paint	30YY 68/ 024	Barley Beige	Interior Face of Screen Blocks	(1)

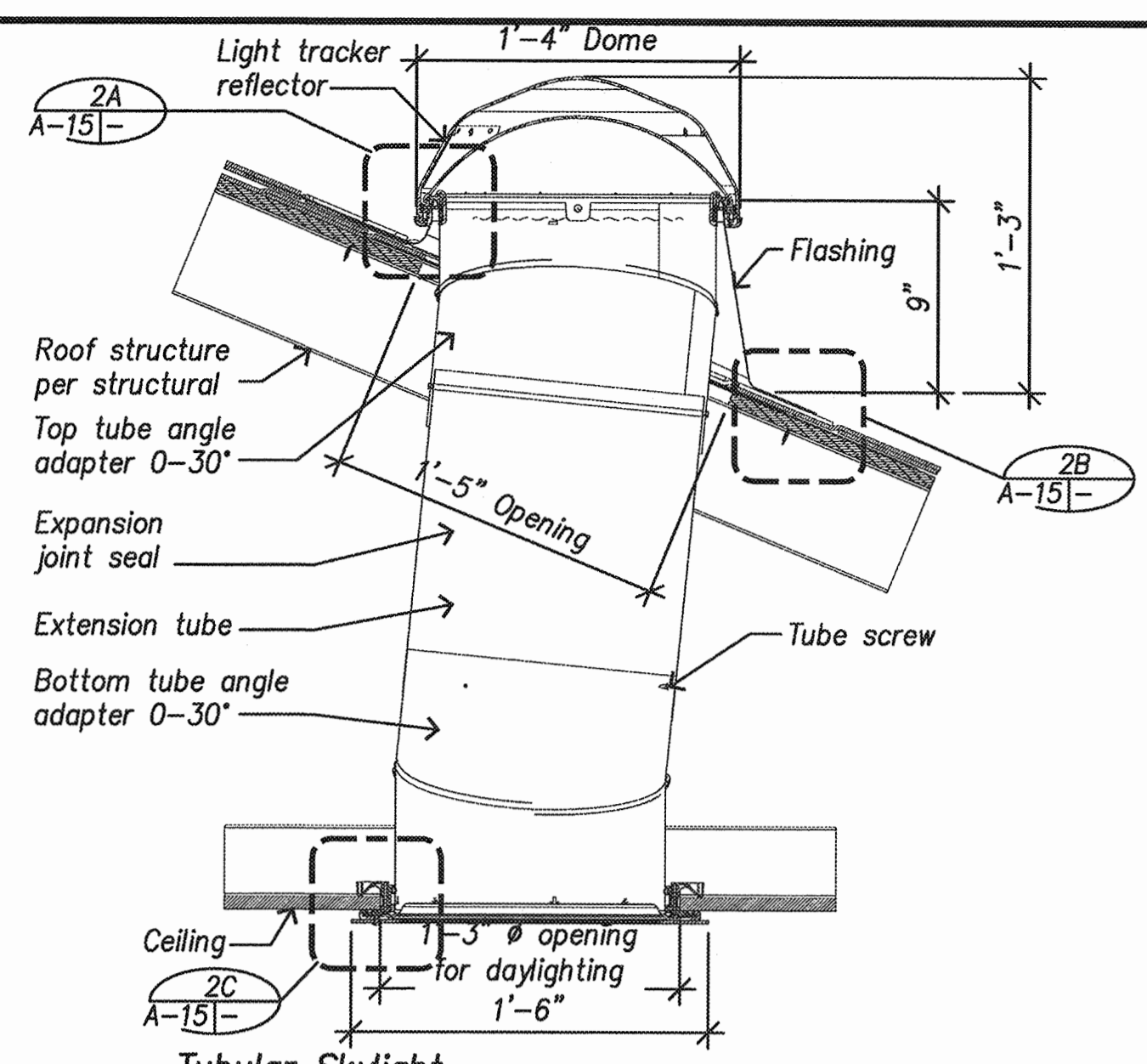
Remarks:

- See Interior Elevations for locations of item nos.
- Paint 1 CMU courses high for base.
- Paint floor with non-slip finish.
- Paint wainscot on all four walls.

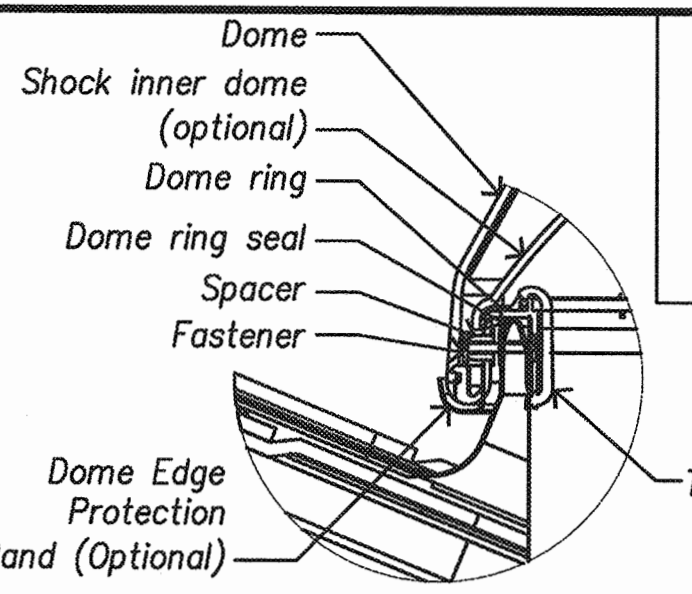
REVISION NO.	SYMBOL	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION CENTRAL MAUI REGIONAL SPORTS COMPLEX PHASE 3 WAILUKU, MAUI, HAWAII DOOR SCHED. & TYPES, INT. PAINT SCHED.					
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.					
DESIGNED: AY		SUBMITTED: AY		DATE: DECEMBER 2015	
DRAWN: LE, RA		CHECKED: AY		SCALE: 1/4" = 1'-0"	
APPROVED: CHIEF ENGINEER				DRAWING NO. A-13 DATE: DEC 2 2 2015	



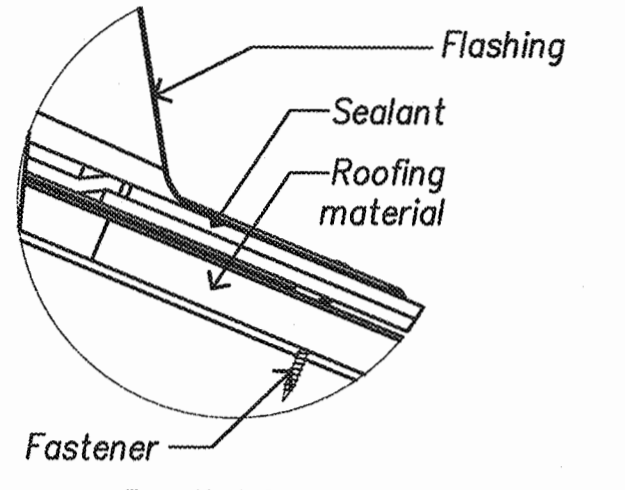
1 Ceiling at Drinking fountain
 Scale: 1 1/2" = 1'-0"



2 Tubular Skylight
 Scale: 1 1/2" = 1'-0"

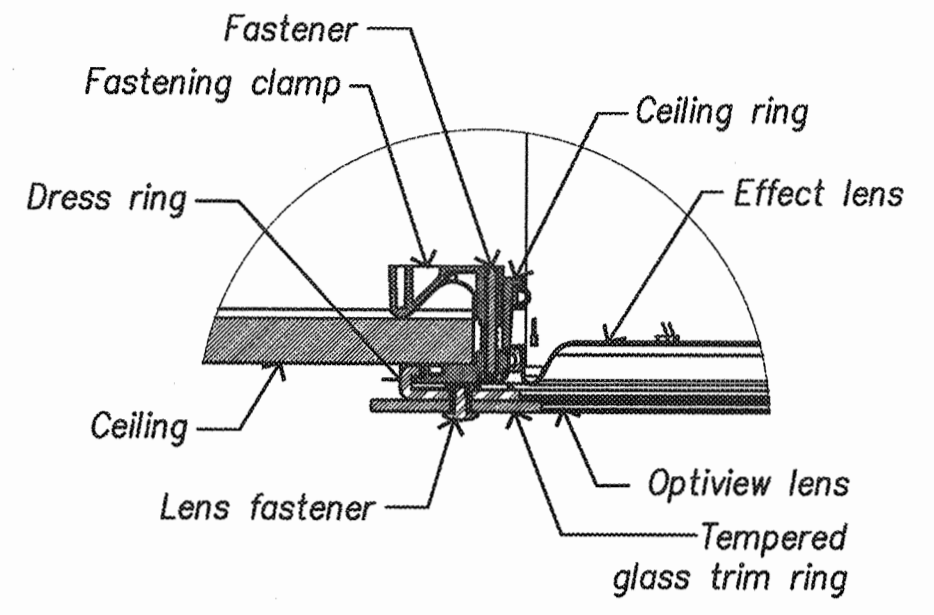


2A Daylighting System
 Scale: NTS

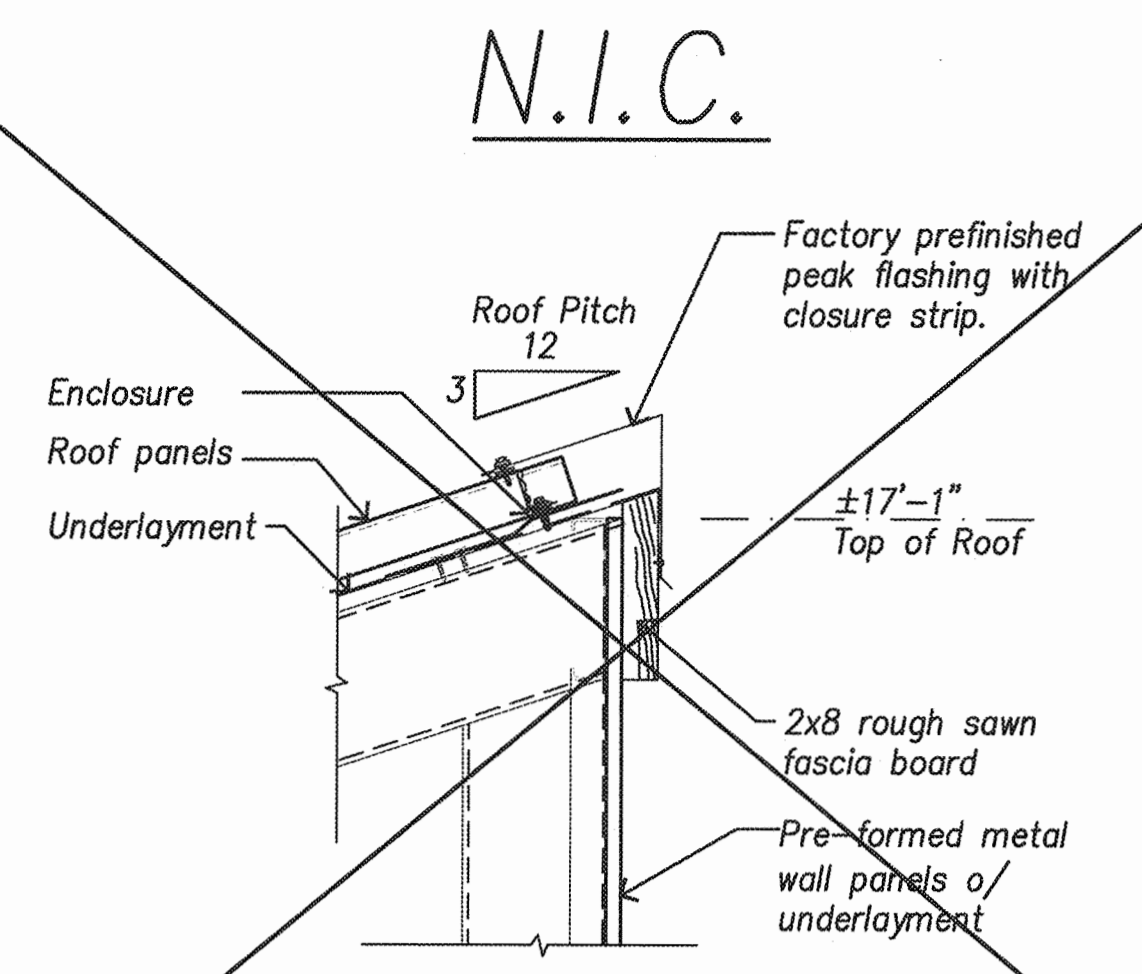


2B Daylighting System
 Scale: NTS

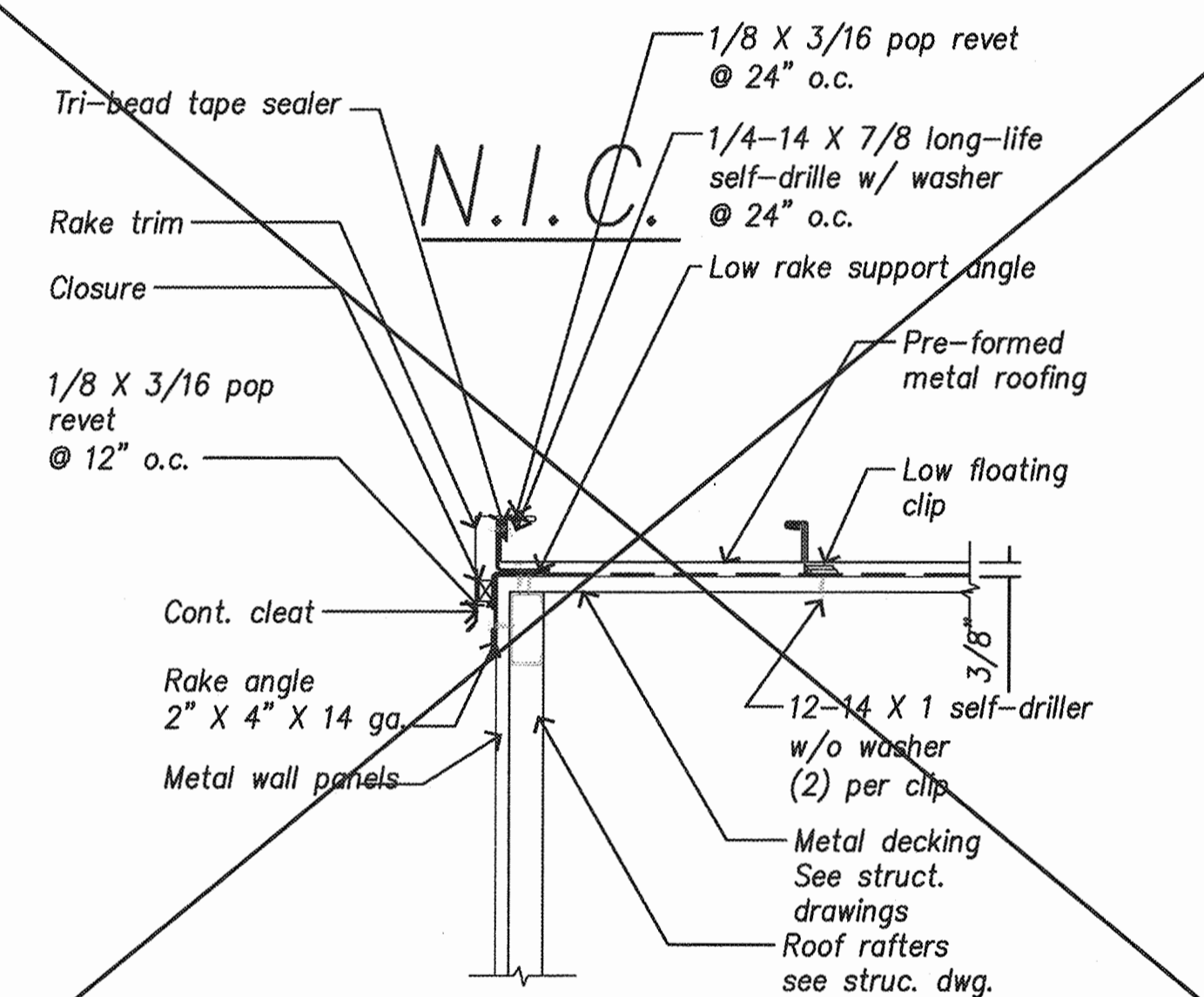
Notes:
 1. Structural elements (See structural drawings).
 2. All tube joints and seams taped with 2" foil tape (not shown).
 3. Dimensions in brackets are metric unless otherwise specified.
 4. 6" min. clearance should be maintained from all daylighting components and other plenum components.



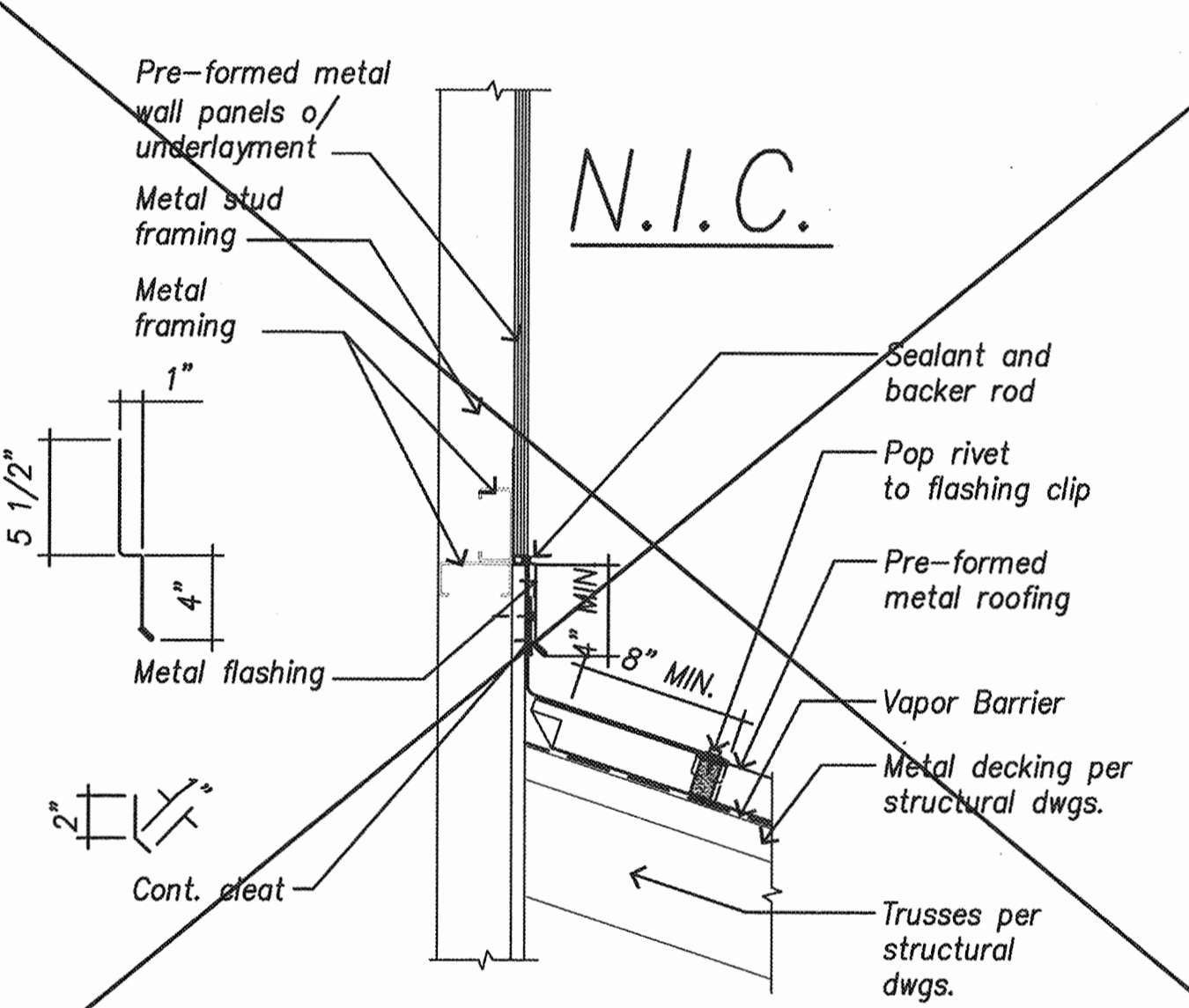
2C Daylighting system
 Scale: NTS



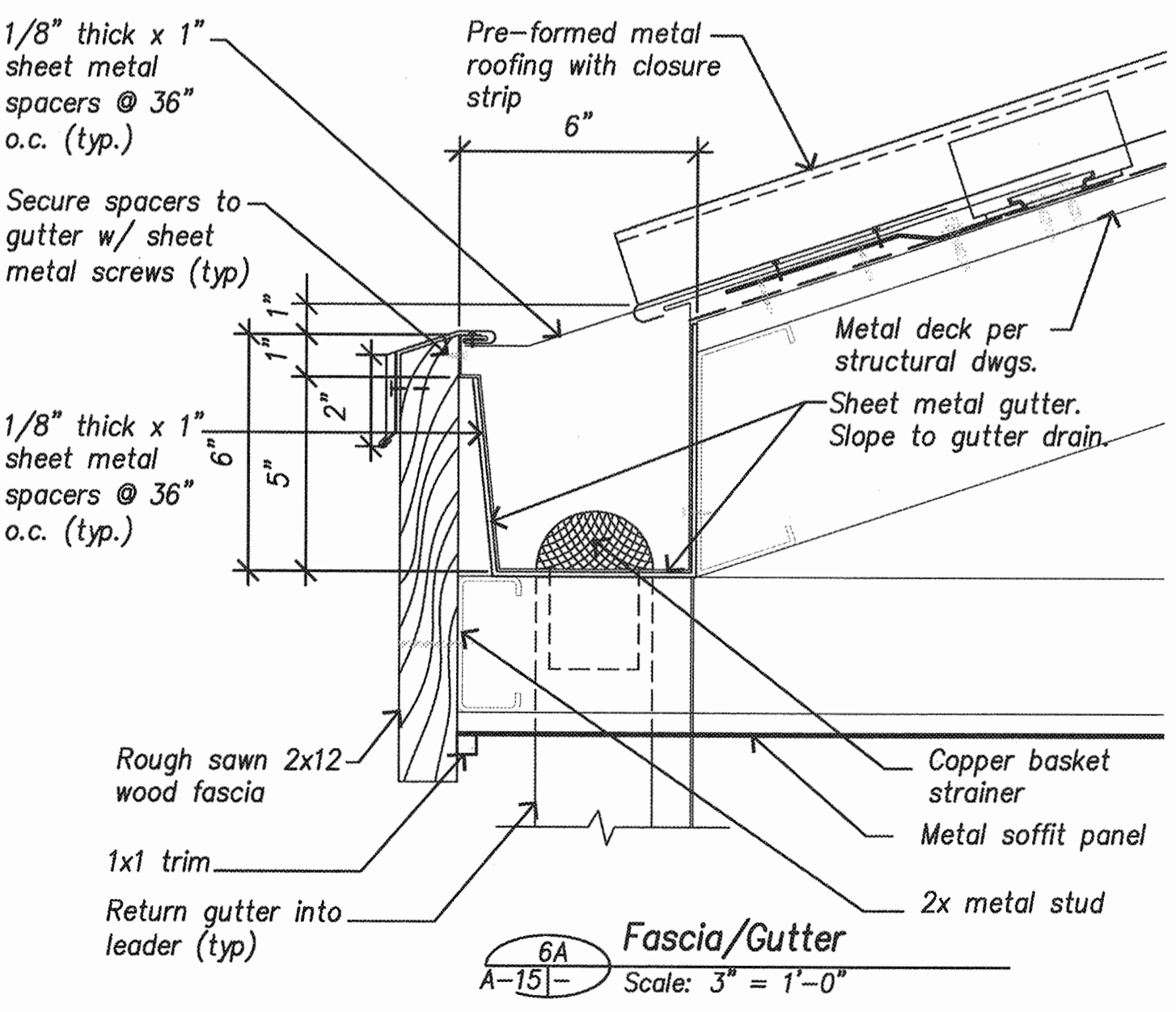
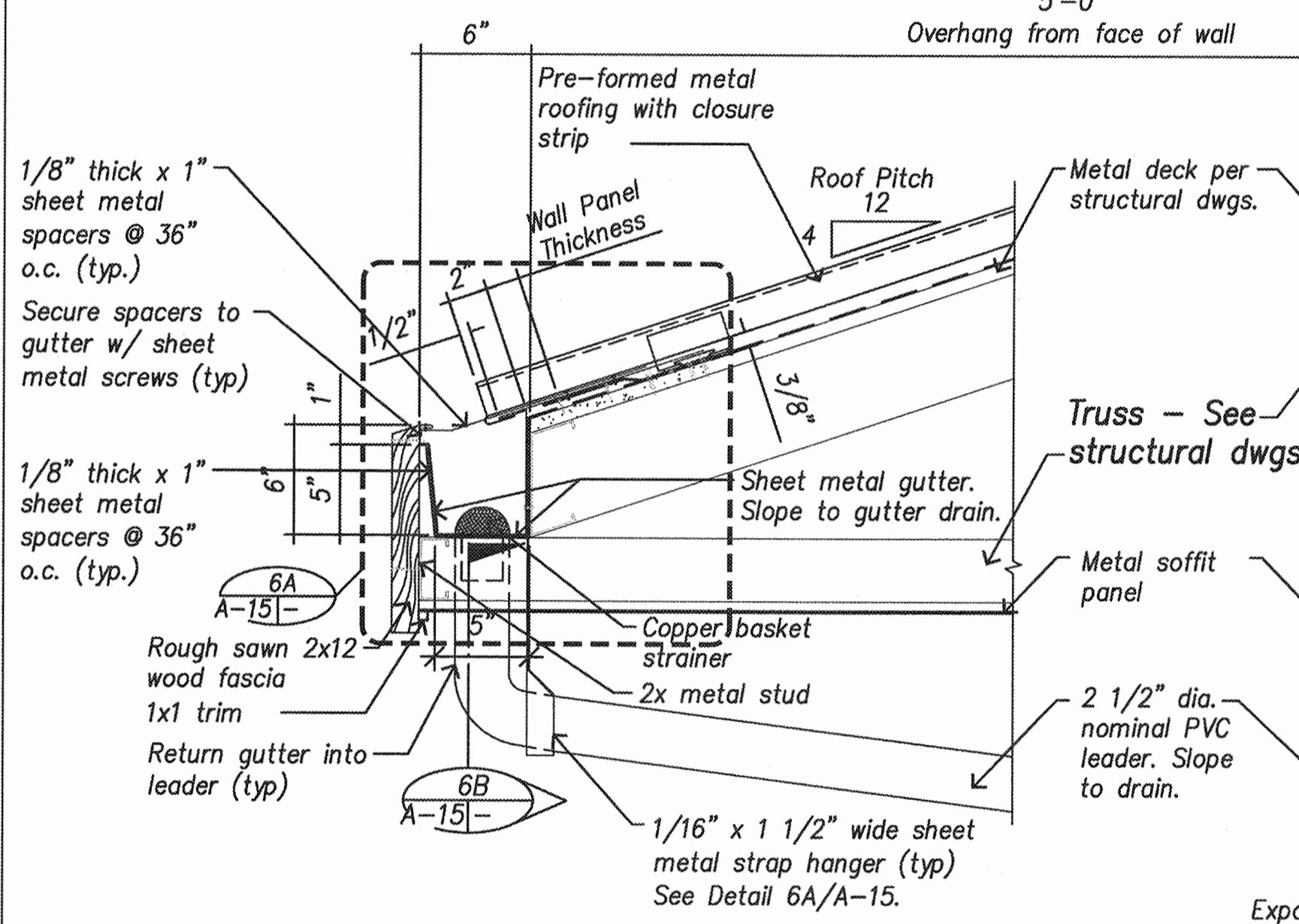
3 Peak Flashing
 Scale: 1 1/2" = 1'-0"



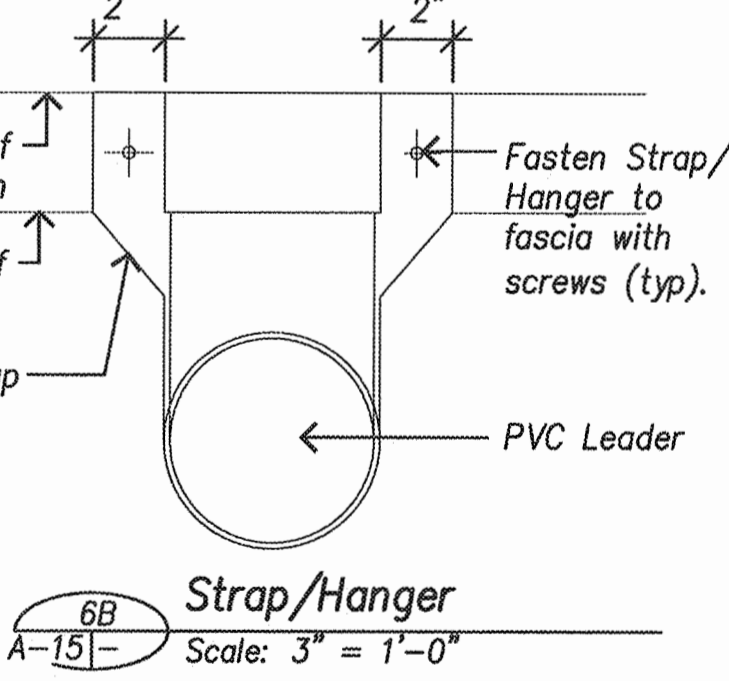
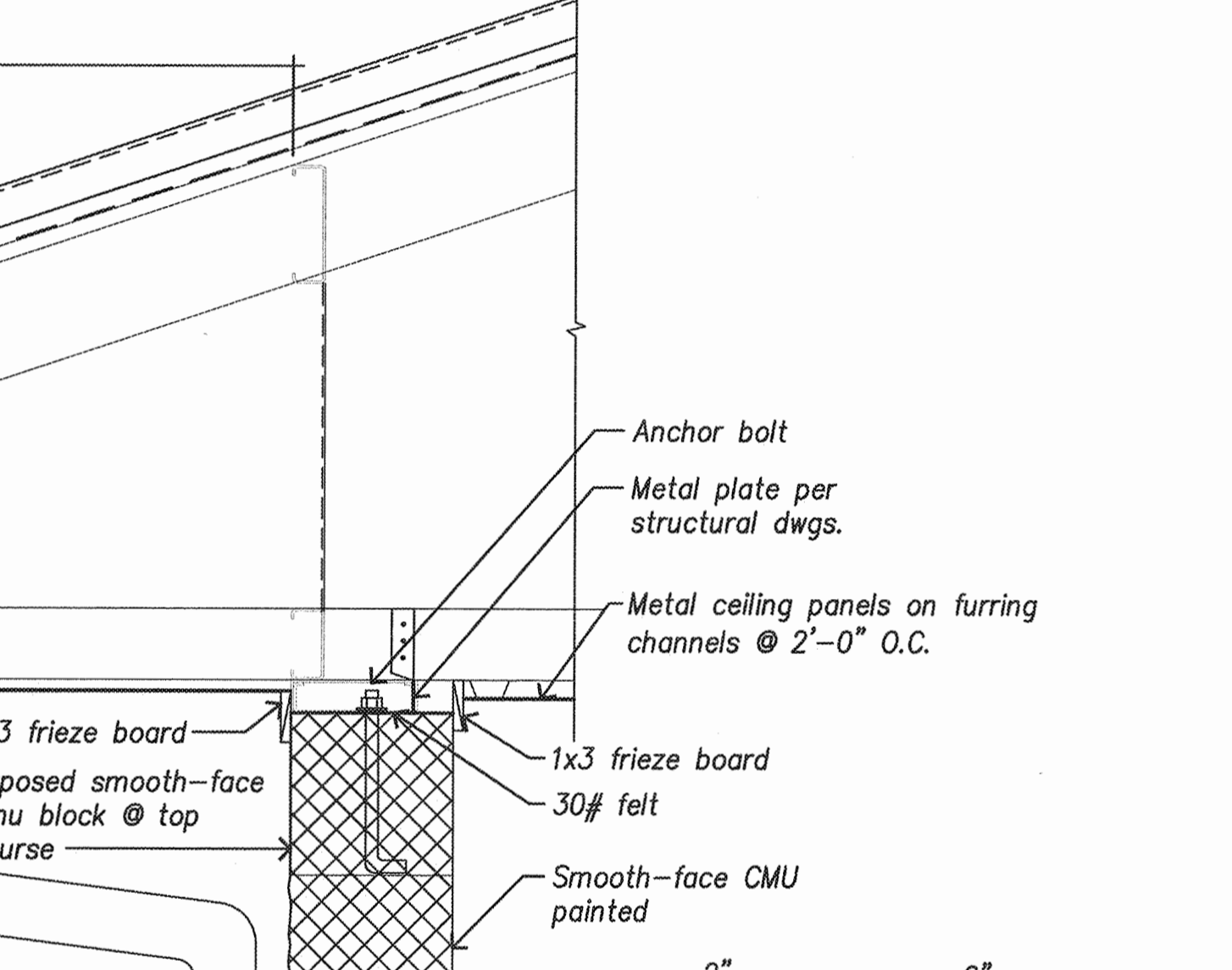
4 Rake Flashing
 Scale: 1 1/2" = 1'-0"



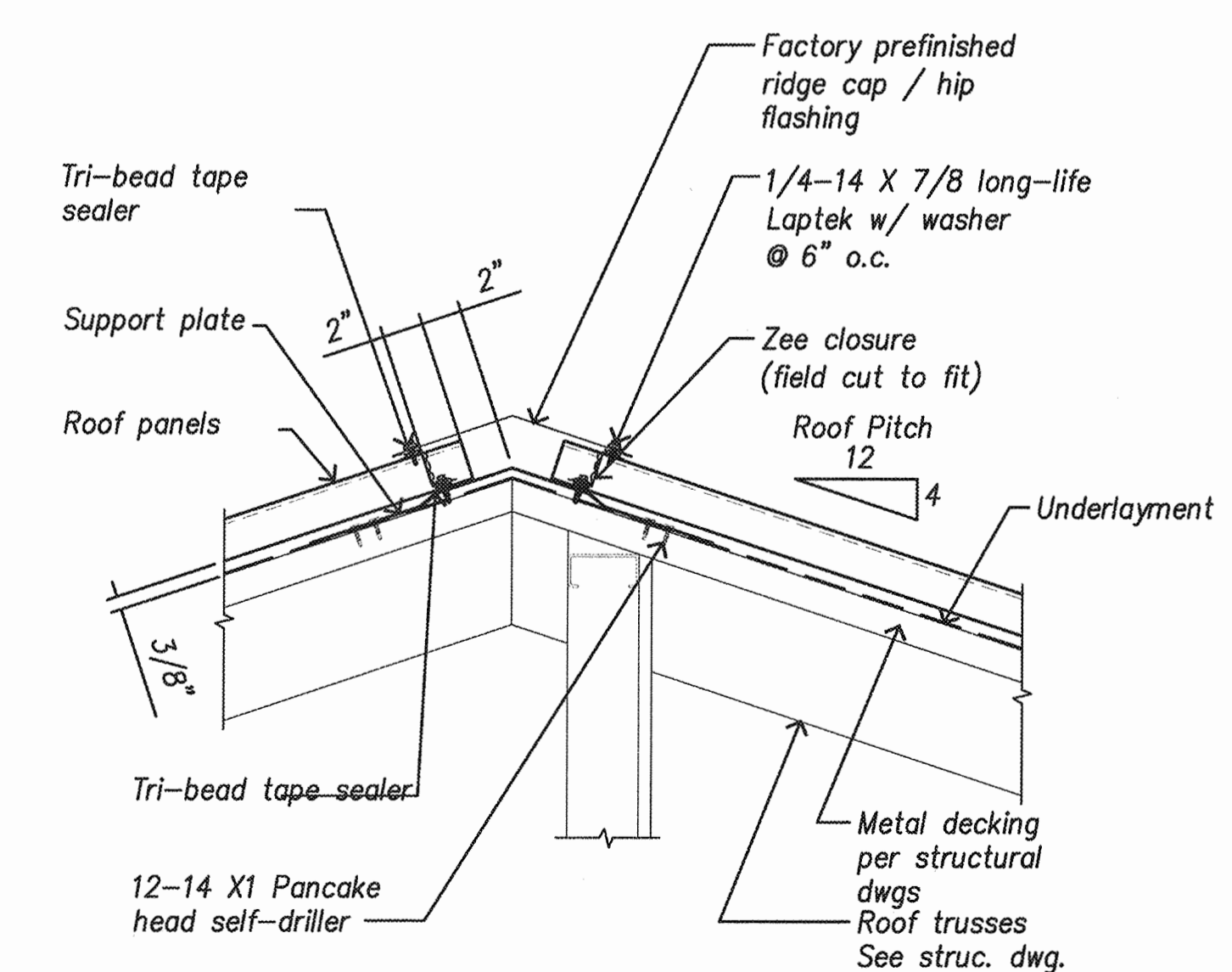
5 Roof Flashing @ Wall
 Scale: 1 1/2" = 1'-0"



6 Gutter
 Scale: 1 1/2" = 1'-0"

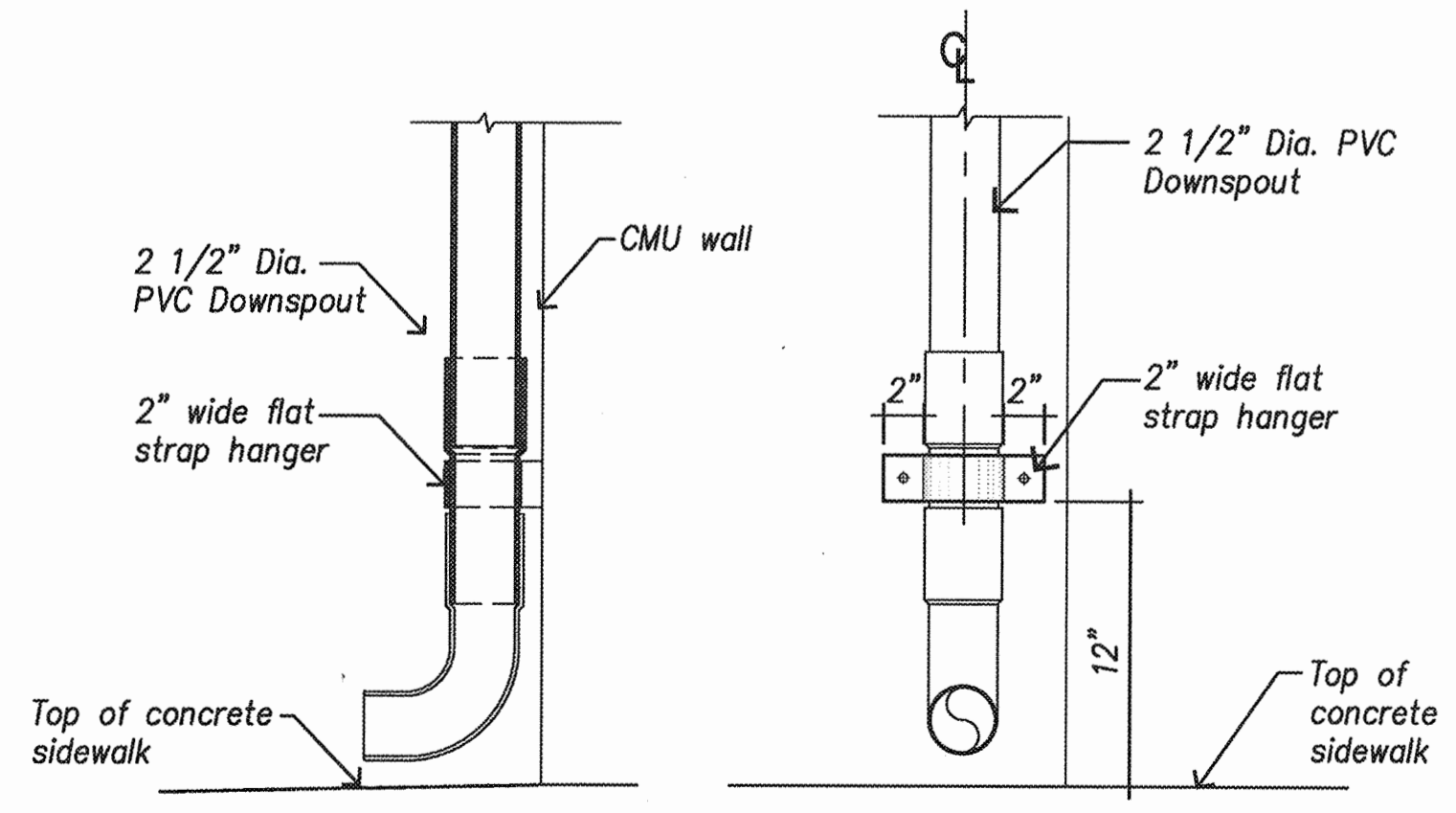


6B Strap/Hanger
 Scale: 3" = 1'-0"



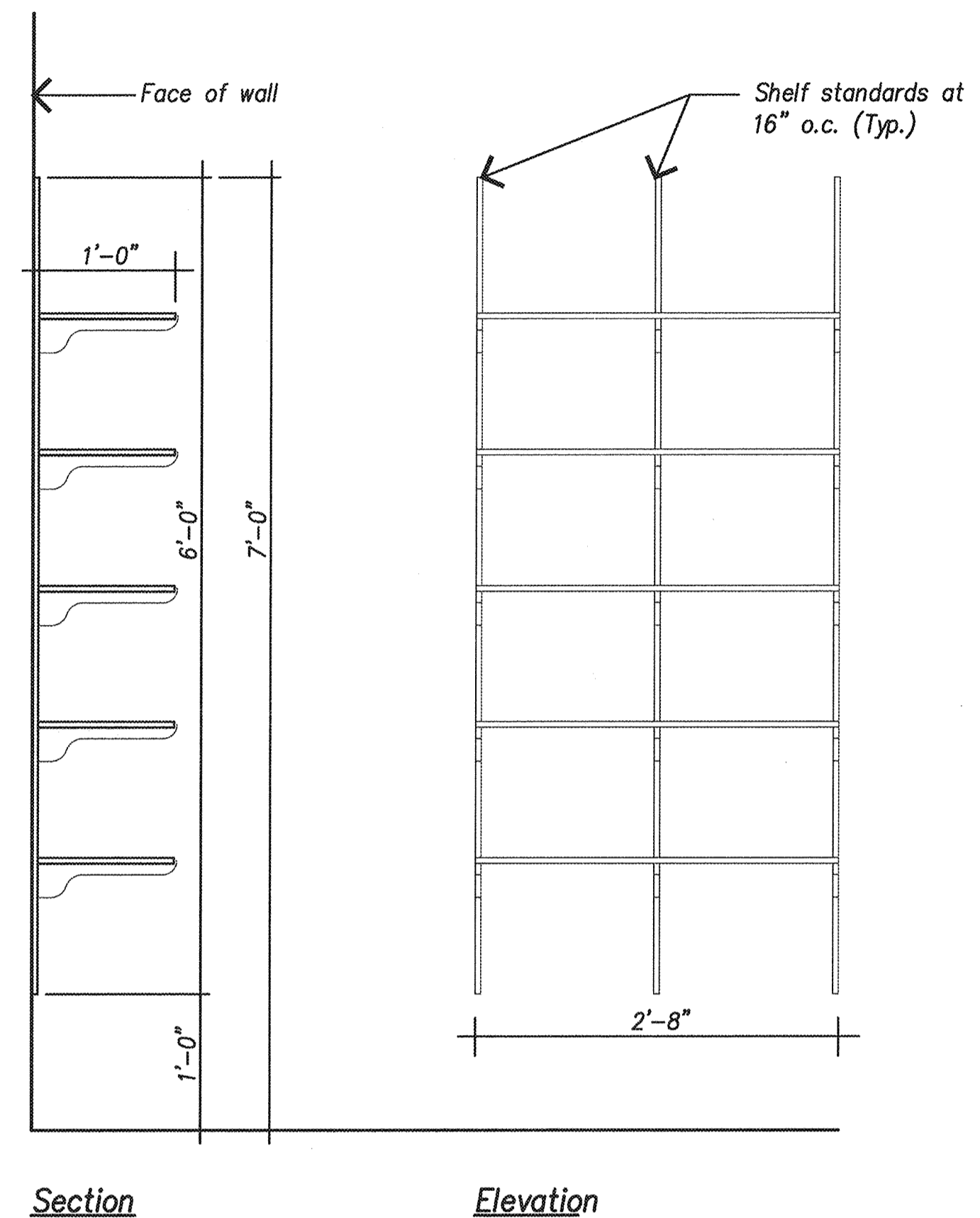
7 Ridge Cap
 Scale: 1 1/2" = 1'-0"

Notes:
 1. Coordinate location of downspouts and drain lines with locations of expansion joints. See structural drawings.

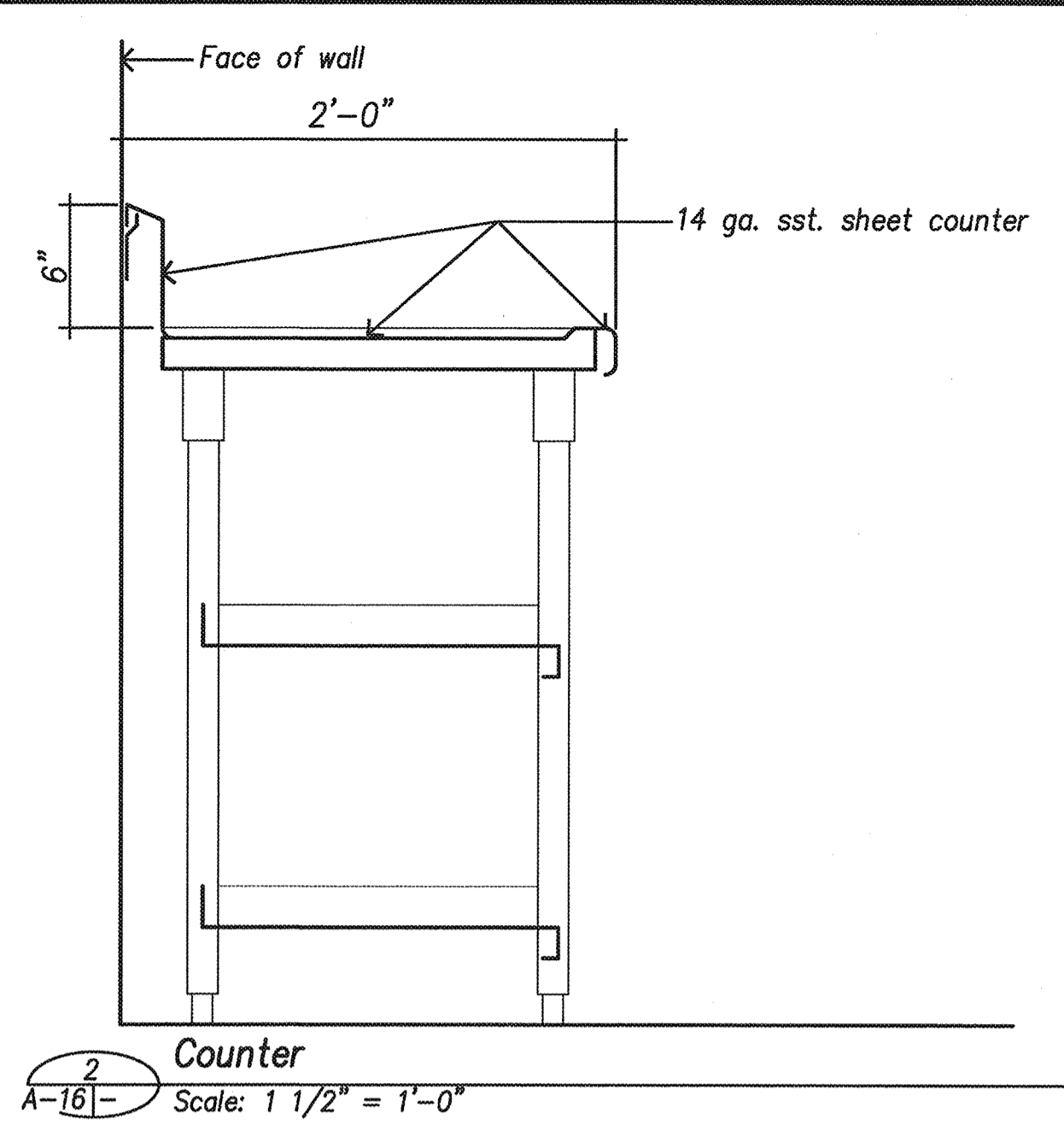


8 Downspout Details
 Scale: 1 1/2" = 1'-0"

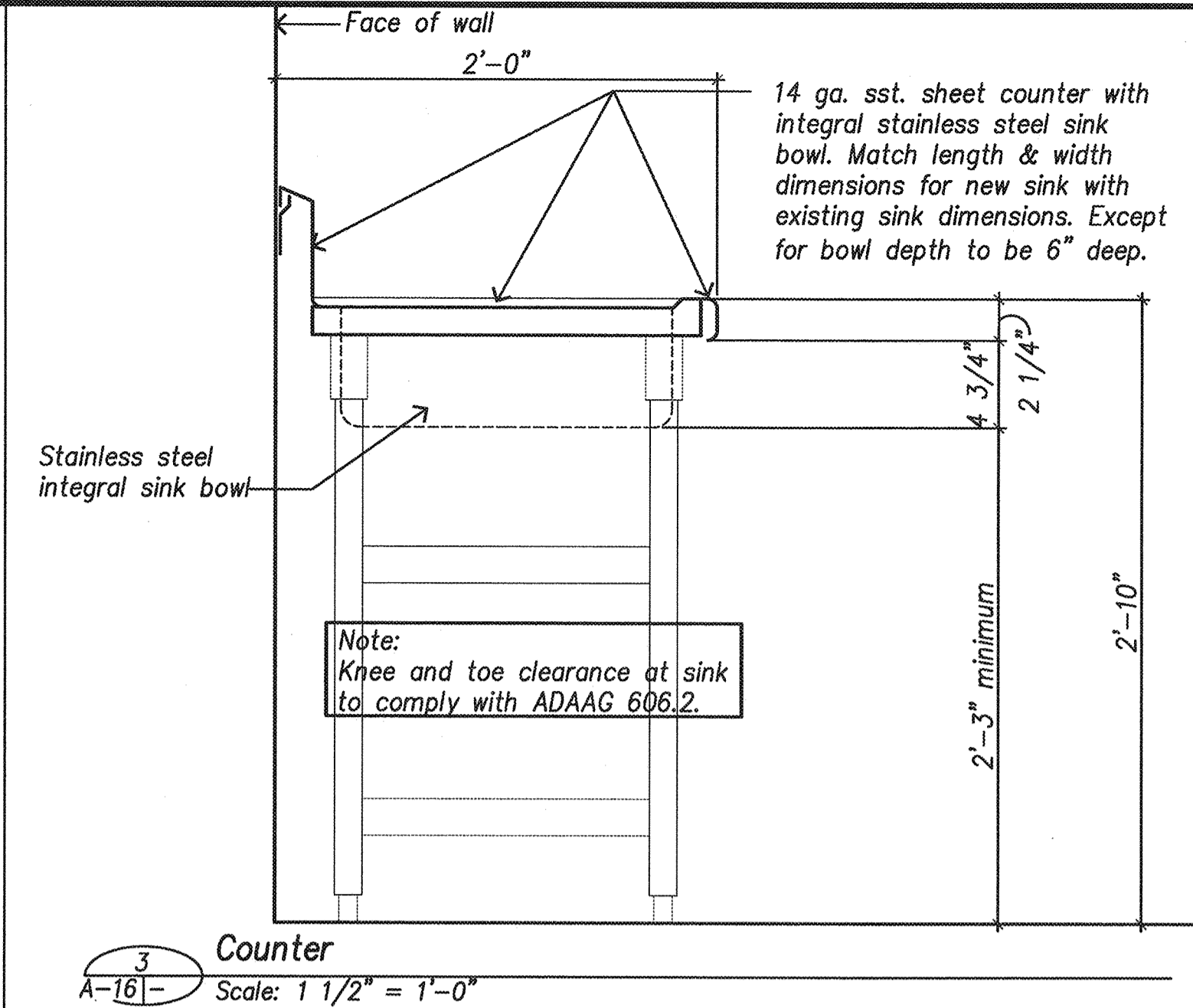
REVISION NO.	SYMBOL	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION CENTRAL MAUI REGIONAL SPORTS COMPLEX PHASE 3 WAILUKU, MAUI, HAWAII DETAILS					
DESIGNED:	AY	SUBMITTED:	AY	DATE:	DEC 2015
DRAWN:	LE, RA	CHECKED:	AY	DATE:	AS NOTED
APPROVED:		CHIEF ENGINEER		DATE:	DEC 2 2 2015
					DRAWING NO. A-15



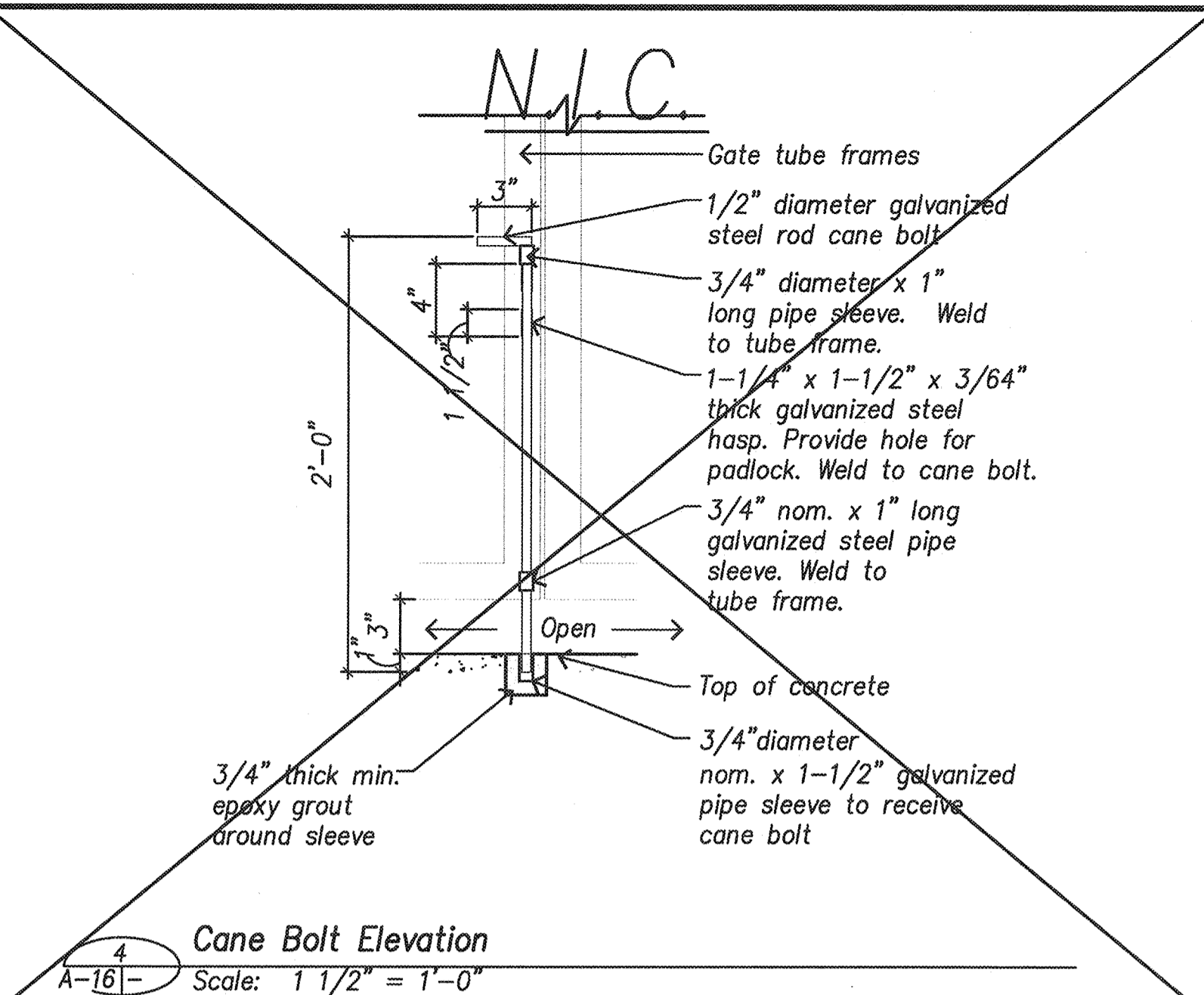
1 Metal Shelves in Storage
Scale: 1" = 1'-0"



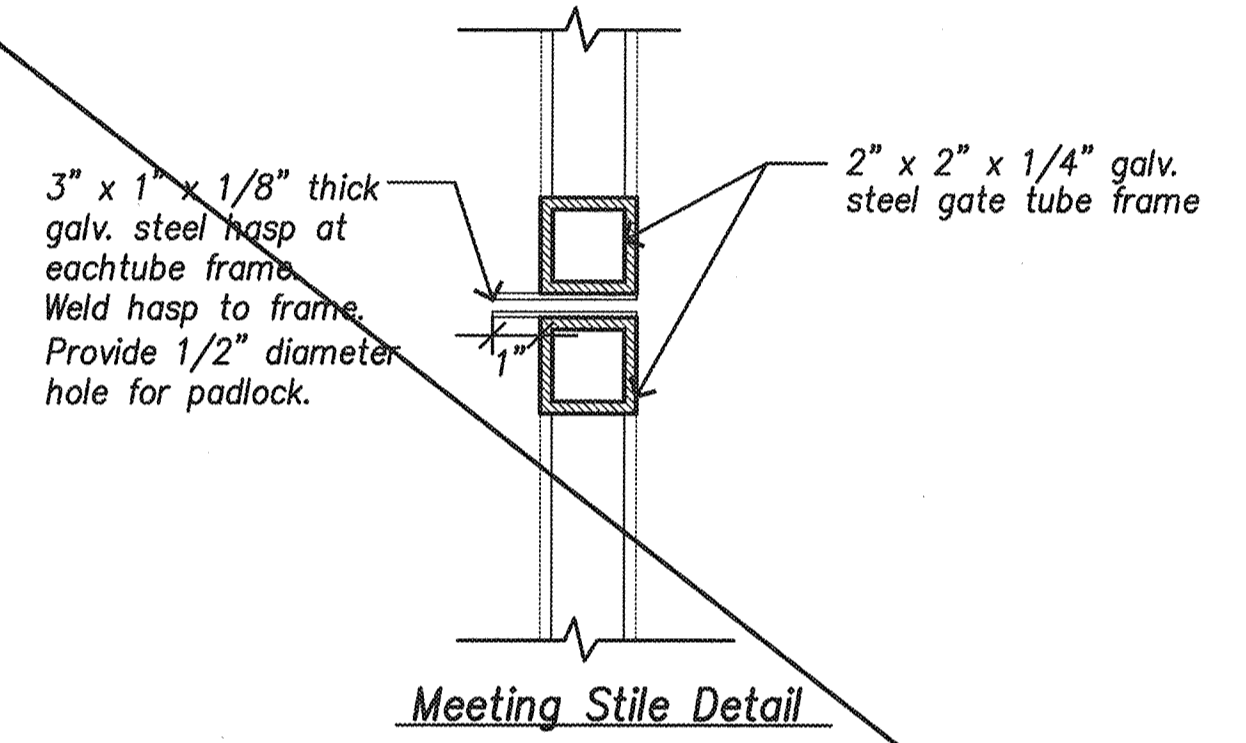
2 Counter
Scale: 1 1/2" = 1'-0"



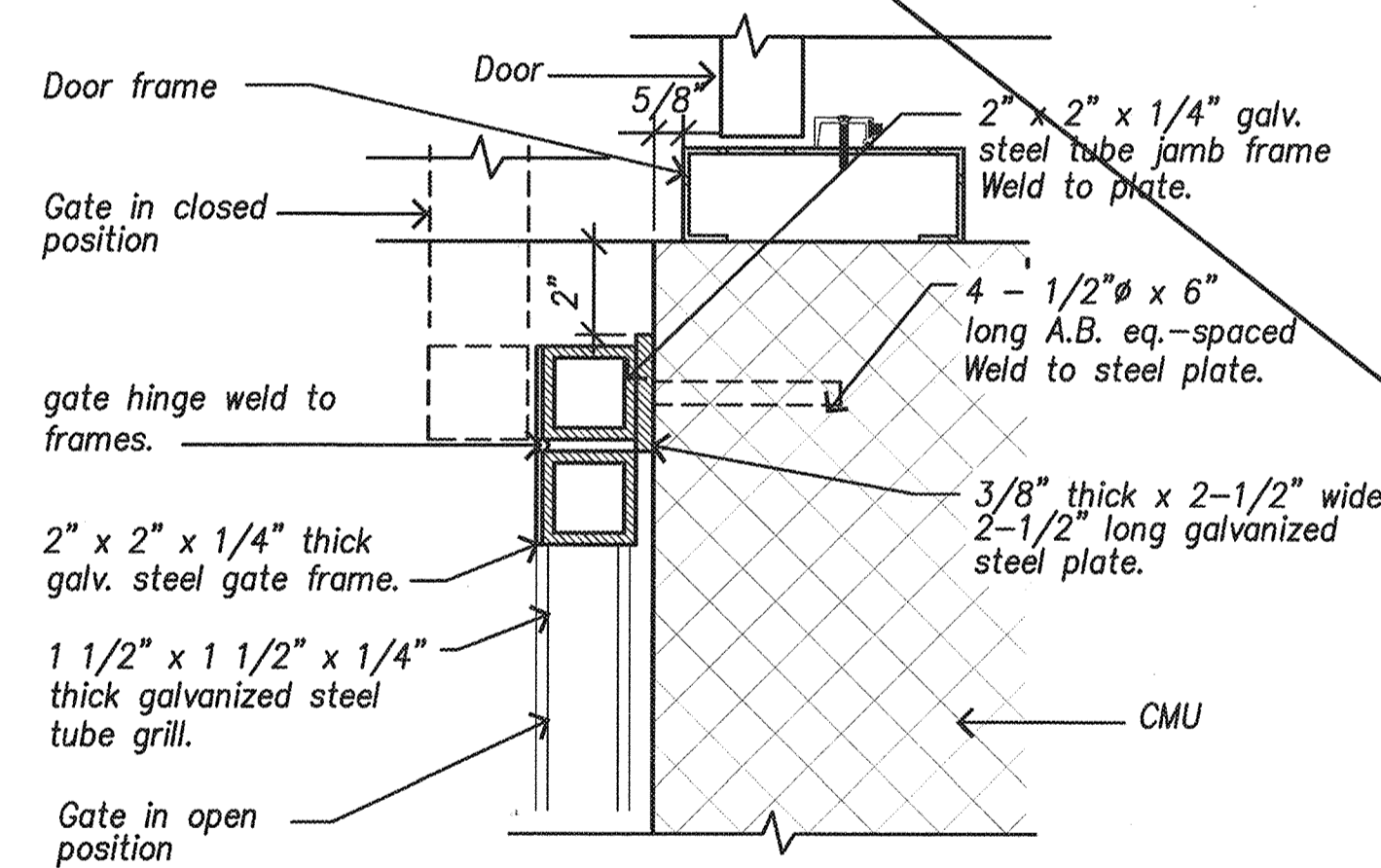
3 Counter
Scale: 1 1/2" = 1'-0"



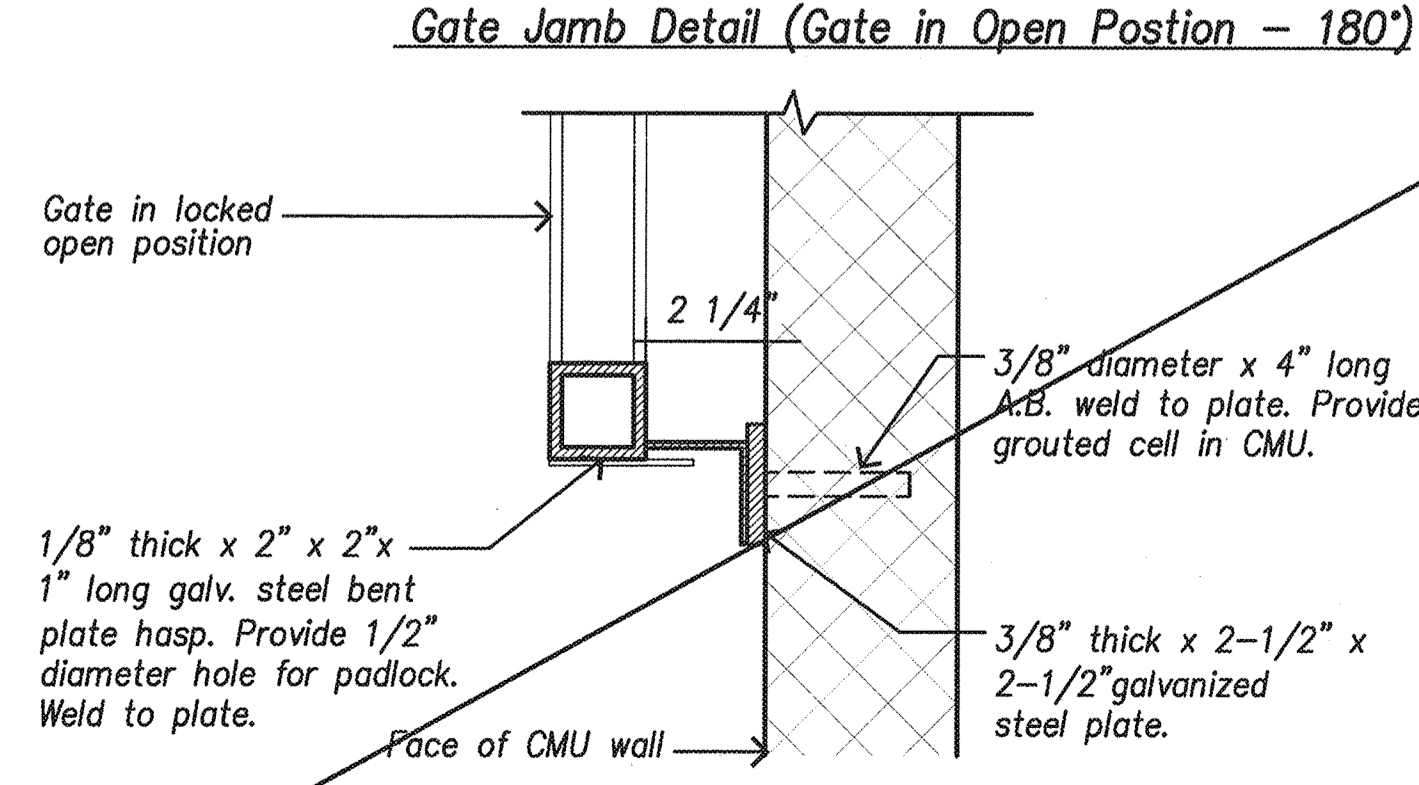
4 Cane Bolt Elevation
Scale: 1 1/2" = 1'-0"



Meeting Stile Detail

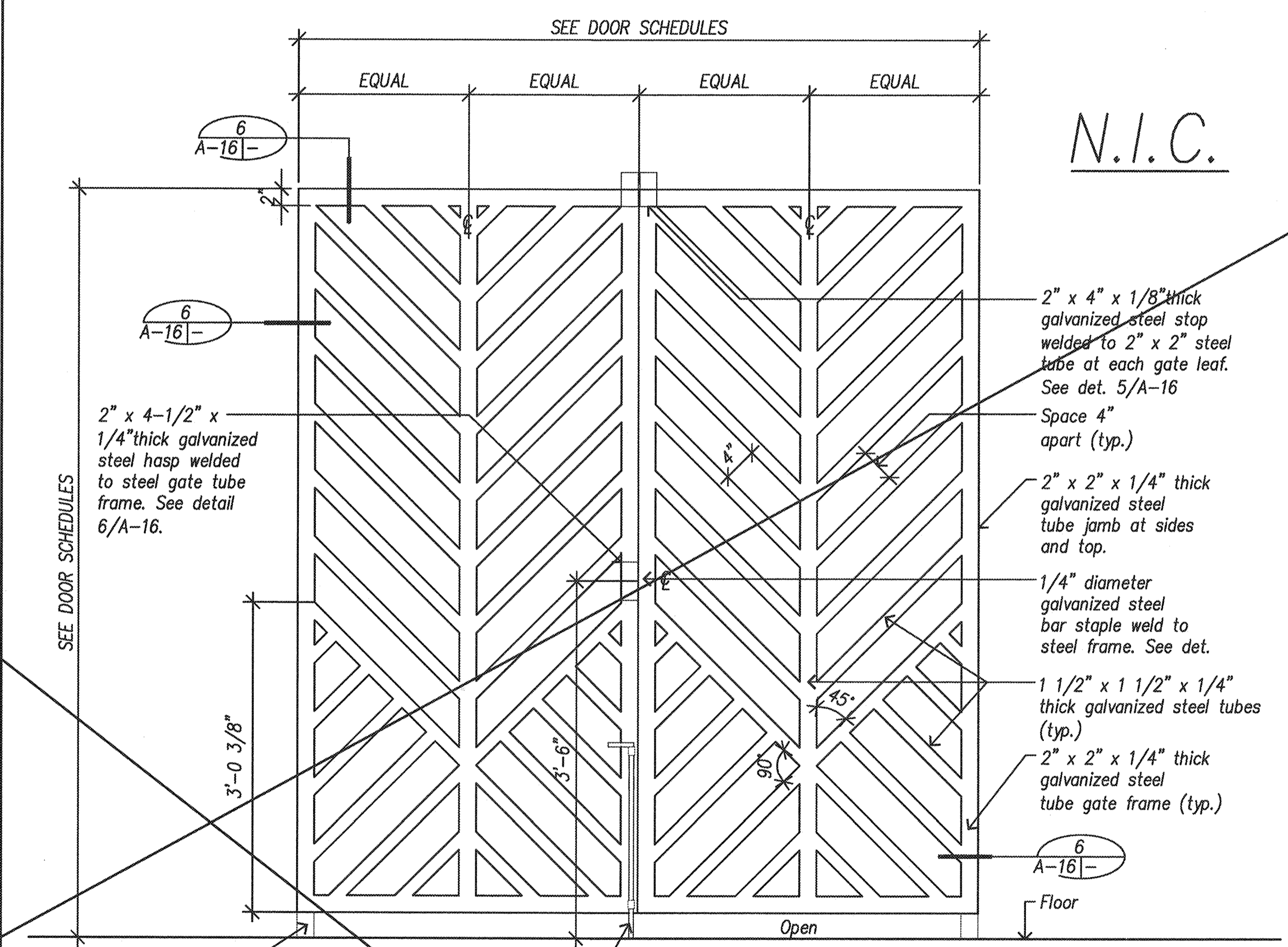


Gate Jamb Detail (Gate in Open Position - 180°)

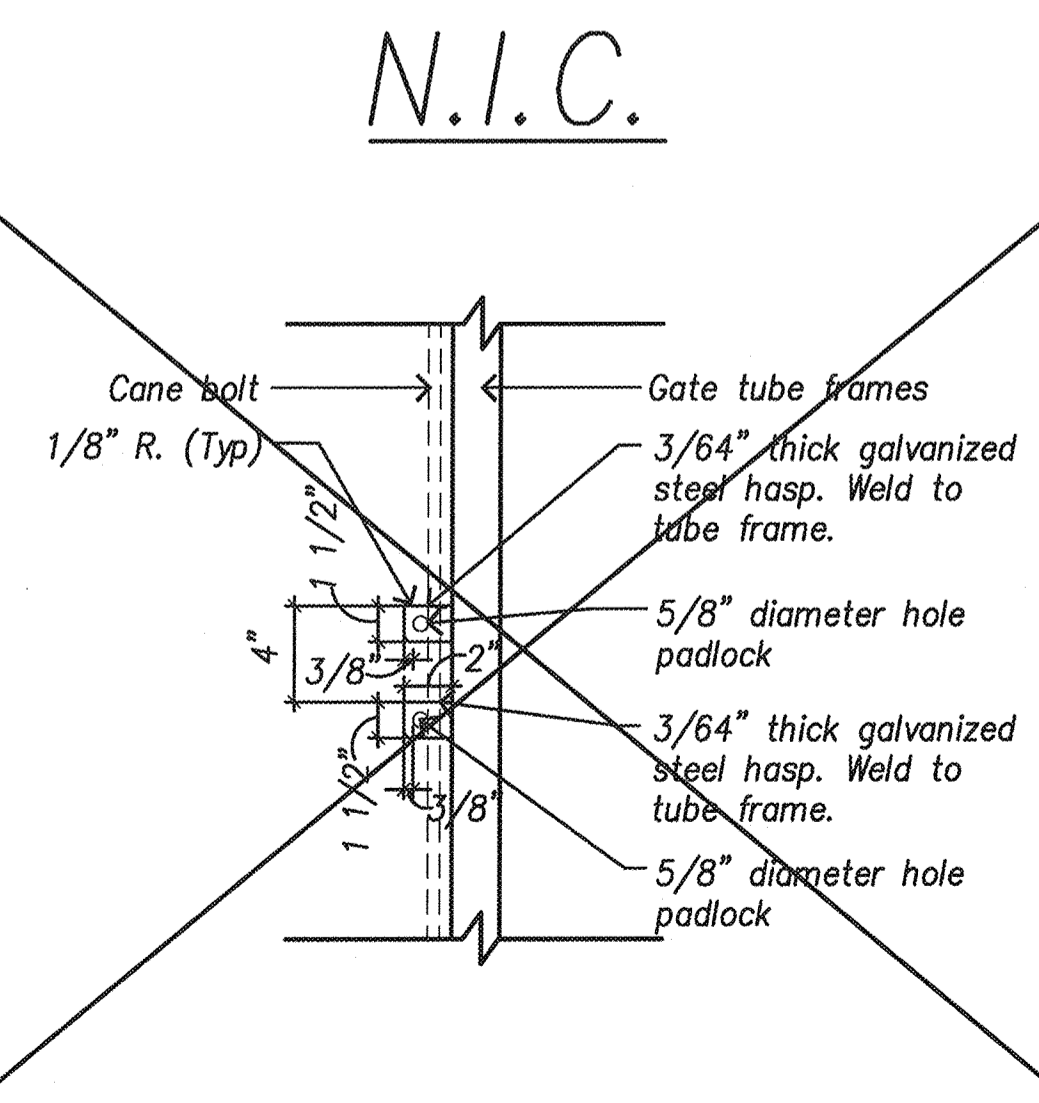


Gate Lock Detail

6 Double Gate Details (Single Leaf Similar)
Scale: 3" = 1'-0"



7 Exterior Double Gate
Scale: 1" = 1'-0"



5 Hasp Detail
Scale: 1 1/2" = 1'-0"

REVISION NO.	SYMBOL	DESCRIPTION	SHT./OF	DATE	APPROVED

ALVIN M. YOSHIMORI
LICENSED PROFESSIONAL ARCHITECT
No. 2714
HAWAII, U.S.A.

LICENSE EXPIRATION DATE: 4-30-2016

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.

(Observation of Construction as defined in the Hawaii Administrative Rules, Dept. of Commerce and Consumer Affairs, Professional Engineers, Architects, Surveyors and Landscape Architects)

SIGNATURE: *[Signature]* DATE: _____

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
ENGINEERING DIVISION

CENTRAL MAUI REGIONAL SPORTS COMPLEX
PHASE 3
WAILUKU, MAUI, HAWAII

DETAILS

DESIGNED: AY

DRAWN: LE, RA

CHECKED: AY

APPROVED: *[Signature]*

SUBMITTED: AY

DATE: DECEMBER 2015

DATE: AS NOTED

DEC 2 2 2015

DATE

General:

- A. Workmanship and materials shall conform to the building code as stated below. However, where reference is made to performance conforming to other standards the more stringent shall apply.
1. County of Maui: Amended IBC, 2006
B. The contractor shall compare all the contract documents with each other and report in writing to the Officer-In-Charge 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 Officer-In-Charge all inconsistencies and omissions.
D. The contractor shall be responsible for coordinating the work of all trades.
E. 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.
F. 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.
G. The contractor shall be responsible for protection of the adjacent properties, structures, streets and utilities during the construction period.
H. Details noted as typical on the structural drawings shall apply in all conditions unless specifically shown or noted.

Design criteria:

- A. Roof live load:----- 20 psf
B. Wind design data
1. Basic wind speed (3-second gust):----- 105 mph
2. Occupancy category:----- II
3. Importance factor:----- 1.0
4. Exposure category:----- C
5. Building enclosure classification:----- Enclosed
6. Internal pressure coefficient:----- ±0.18
C. Earthquake design data:
1. Occupancy category:----- II
2. Importance factor:----- 1.0
3. Mapped spectral response accelerations
a. Short period:----- 1.0g
b. 1-sec period:----- 0.25g
4. Site class:----- D
5. Spectral response coefficients
a. Short period:----- 0.73g
b. 1-sec period:----- 0.32g
6. Design category:----- D
7. Basic seismic-force-resisting system:----- Special Reinforced Masonry Shear Walls
8. Design base shear (Ultimate)
a. Restroom:----- 13.2 kips
9. Seismic response coefficient----- 0.15
10. Response modification factor:----- 5
11. Analysis procedure:----- Equivalent Lateral Force Procedure
D. Soils
1. Allowable bearing capacity:----- 2,500 psf

Special Inspections:

- A. The contractor shall be responsible for providing special inspection of portions of the work as required by the building code at the appropriate time at no additional cost to the State. Frequency of inspection is defined in the IBC, Section 1704 Tables, as amended by the County. The contractor shall correct defective work at no additional cost to the State and pay for re-inspection as required.

Special Inspections: (Cont.)

- B. Special inspectors shall keep records of inspections. Reports shall indicate that work inspected was done in conformance with approved construction documents. The inspector shall submit a final signed report to the State and Licensed Architect or Engineer who in turn shall submit a written statement to the County certifying receipt of the final inspection letter and documenting that there are no known unresolved code requirements.
C. The following type of work listed in the IBC, Section 1704, as amended by the County of Maui, requires special inspection:
1. Inspection of fabricator/shop unless work is done by a registered and approved fabricator shop.
A. Pre-engineered trusses
2. Masonry construction
a. Placement of reinforcing steel
b. Mortar and mortar joints
c. Placement of grout
3. Complete load path and uplift ties
4. Concrete construction not required per exceptions below.
A. Exceptions: inspections not required for concrete pours for
i. Concrete footings supporting buildings three stories or less in height that are full supported on earth or rock (designed with f'c=2,500 psi)
ii. Non structural slabs support directly on ground

Foundation:

- A. Foundation design is based on the following geotechnical investigation report.
1. Geotechnical engineering exploration, Central Maui Regional Park, by Geolabs, dated October 1, 2013.
B. Contractor shall provide for de-watering of excavation from surface water, ground water or seepage.
C. Excavations for any purpose shall not remove lateral support from any footing or foundation without first underpinning or protecting the footing or foundation against settlement or lateral translation.
D. Soft and yielding areas encountered during clearing and grubbing work shall be over-excavated to expose firm natural material, and the resulting excavation backfilled with well-compacted fill.
E. Fills and backfills may consist of excavated on-site soil, less than 3 inches in size, that is not contaminated with organic matter or other deleterious materials.
F. Imported fill and backfill material shall consist of soil and rock materials less than 3 inches in size with a CBR value of 8 or more and with a maximum swell of less than 2 percent when tested in accordance with ASTM D1883. Geotechnical Engineer shall observe and/or test imported fill materials for suitability prior to being transported to the site for the intended use.
G. Fills and backfills shall be moisture-conditioned to about 2 percent above the optimum moisture, placed in level lifts not exceeding 8 inches in loose thickness, and compacted to at least 90 percent relative compaction.
H. Footings shall bear on undisturbed in-situ firm soils or compacted fill. Bottom of footings shall be compacted to provide a relatively firm and smooth bearing surface prior to placement of reinforcing steel and concrete. If soft and/or loose materials are encountered at the bottom of footing excavations, they shall be over-excavated to expose the underlying firm materials. The over-excavation shall be backfilled with well-compacted fill or the footing bottom may be extended down to the underlying competent material.
I. Excavations, fill placement and compaction for foundations shall be monitored and approved by the Geotechnical Engineer prior to placement of concrete and reinforcing steel to confirm foundation bearing conditions and required embedment depths. Geotechnical Engineer shall submit letter of compliance to the Engineer.

Concrete:

- A. Concrete construction shall conform to American Concrete Institute ACI 318
B. Concrete shall be regular weight hard rock concrete and shall have the following minimum 28 day compressive strengths:
1. Footings:----- 3,000 psi
2. Slab-on-grade:----- 3,000 psi
3. All other concrete:----- 3,000 psi

Concrete: (Cont.)

- 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. Water used in mixing concrete shall be clean and free from injurious amounts of oils, acids, alkalis, salts, organic materials or other substances that are deleterious to concrete or steel reinforcement.
E. Frequency of conducting strength tests shall be as follows:
1. Samples for strength of each class of concrete placed each day shall be taken not less than once a day, nor less than once for each 150 cubic yards of concrete, nor less than once for each 5,000 square feet of surface area for slabs or walls.
2. If the total volume of concrete is such that the frequency of testing would provide less than five strength tests for a given class of concrete, tests shall be made from at least five randomly selected batches or from each batch if fewer than five batches are used.
F. All inserts, anchor bolts, plates, and other items to be cast in the concrete shall be hot-dipped galvanized according to ASTM A153 unless otherwise noted.
G. Reinforcing bars, anchor bolts, inserts, and other items to be cast in the concrete shall be secured in position prior to placement of concrete.
H. Conduits, pipes, and sleeves passing through footing and not conforming to typical details shall be located and submitted to the Officer-In-Charge for approval.
I. Conduits, pipes, and sleeves embedded within a slab (other than those merely passing through) shall satisfy the following:
1. No larger in outside dimensions than 1/3 the overall thickness of slab in which they are embedded.
2. Spaced no closer than 3 diameters or widths on center.
3. Placed in the middle 1/3 of slab thickness.
J. See architectural drawings for chamfers, edge radii, drips, reglets, finishes and other non-structural items not shown or specified on the structural drawings.
K. 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.

Reinforcing Steel:

- A. Reinforcing steel shall be deformed bars conforming to ASTM A615, Grade 60.
B. Clear concrete cover for reinforcing bars shall be as follows, unless otherwise noted:
1. Concrete cast against and permanently exposed to earth:--3".
2. Concrete formed and exposed to earth or weather:
a. No. 5 bar, W31 or D31 wire, and smaller:----- 1.5"
3. Concrete not exposed to weather or in contact with ground:
a. Slabs, walls, joists:
i. No. 14 and no. 18 bar:-----1.5"
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. Mechanical splice connectors shall develop in tension 125 percent of the specified minimum yield strength of reinforcing bars.
F. Standard hooks on reinforcing bars used shall comply with ACI 318, Section 7.1.
G. Minimum reinforcement bend diameters shall comply with ACI 318, Section 7.2

Masonry:

- A. Concrete masonry units shall conform to ASTM C90 for load-bearing concrete masonry units medium weight with a unit compressive strength of 1900 psi.
B. Mortar for use in masonry construction shall conform to ASTM C270 with a minimum compressive strength of 1,800 psi. Unused mortar shall be discarded within 2 1/2 hours after initial mixing. Mortar for masonry shall be Type S.
C. Grout shall conform to ASTM C476 with a minimum compressive strength of 2,000 psi at 28 days.
D. 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.
E. 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.

Masonry: (Cont.)

- F. Walls shall be constructed in conventional running bond, unless otherwise noted.
G. See architectural drawings for laying pattern, height and type of units, surface texture, and joint type.
H. Open-ended blocks may be substituted for standard concrete masonry units.
I. Fabricator shall be a PCI certified plant.

Cold-Formed Steel Framing:

- A. Cold-formed metal framing shall comply with AISI's "North American Specifications for the Design of Cold-Formed Steel Structural Members" and its "Standard for Cold Formed Steel Framing - General Provisions"
B. Cold-formed steel members and accessories shall be of the type and thickness called for on the drawings. Member designations are per Steel Stud Manufacturer's Association.
C. All members 54, 68 or 97 mils thick shall meet the requirements of ASTM A1003 Grade ST50H. All members 33 or 43 mils thick shall meet the requirements of ASTM A1003 grade ST33H.
D. Cut framing members by sawing or shearing. Do not torch cut.
E. Prefabricated framing hardware shall be Simpson Strong Tie galvanized or approved equal. Install per manufacturer's recommendations.
F. Place a layer of 30# roofing felt between all cold-formed metal members and concrete or masonry surfaces.
G. Holes in studs and other structural members shall not exceed 1 1/2 inches in width or 4 inches in length. Holes shall be permitted only along the centerline of the web of the framing member. Holes shall not be less than 24 inches center to center and shall not be located more than 10 inches from edge of hole to end of member.
H. Screws shall be installed with a minimum edge distance and center-to-center spacing of 1/2 inch, shall be self tapping and shall conform to SAE J 78. Screws shall extend through the steel a minimum of three exposed threads. All self-drilling tapping screws conforming to SAE J 78 shall have a Type II coating in accordance with ASTM B633.
I. Stud web holes closer than 10 inches from the edge of the hole to the edge of the member shall be patched with a solid plate, stud section or track section. The patch shall be of a minimum thickness as the stud member and shall extend at least 1 inch beyond all edges of the hole. The patch shall be fastened to the web with no. 8 screws spaced no greater than 1 inch center to center along the edges of the patch, with a minimum edge distance of 1/2 inch.

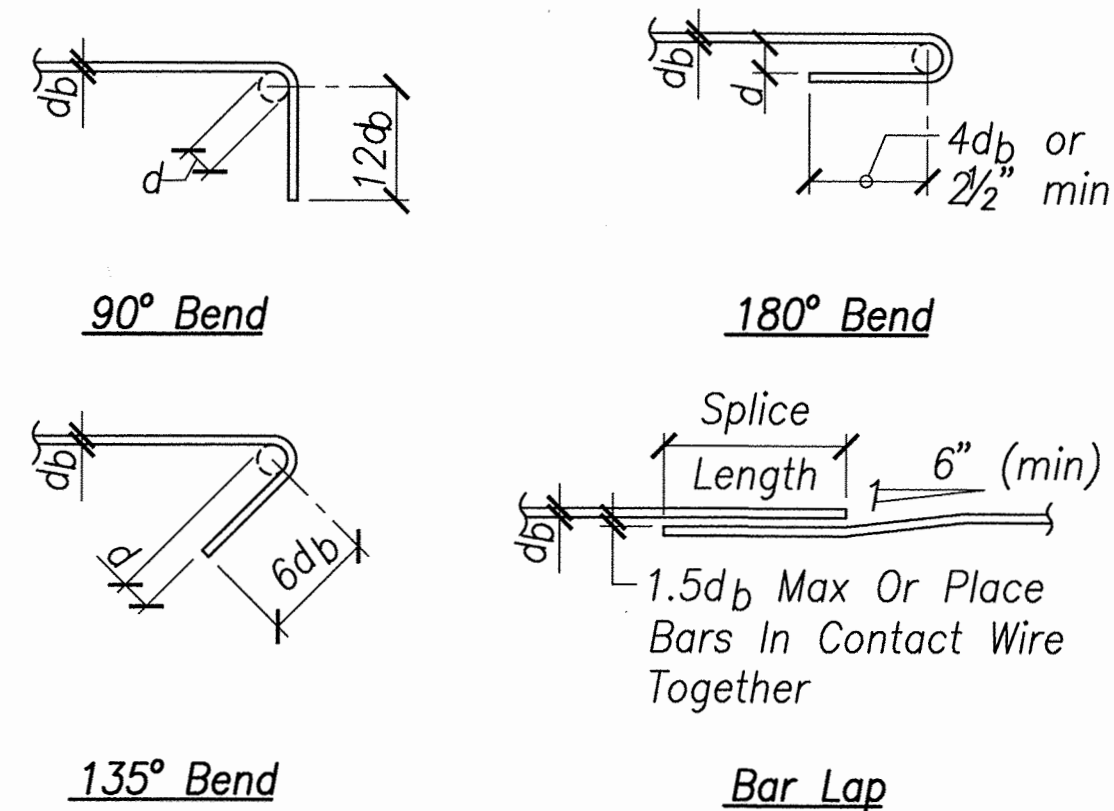
Steel Deck:

- A. Steel deck and accessories shall be formed from galvanized steel sheets conforming to ASTM A653, Structural Steel (SS), Grade 40, G90 zinc coating.
B. Steel deck shall be of the profile depth and thickness as indicated on the drawings.
C. End joints shall be lapped 2 inches minimum.
D. Steel deck shall be triple span continuous where possible. Do not locate single spans at edges or corners.

Professional Engineer stamp for Jonathan D. Mui, License No. 10979-S, State of Hawaii. Includes drawing title 'CENTRAL MAUI REGIONAL SPORTS COMPLEX PHASE 3 WAILUKU, MAUI, HAWAII GENERAL NOTES', design and check dates, and drawing number 'SB-1'.

15-12-21-3145 Central Maui Regional Park Phase 3\3145_PH3_S01.dwg, 12/21/2015 1:00:20 PM, tamanaaha

Minimum Splice and Development Lengths					
Bar Size	Concrete Strength = 3,000 psi				
	Lap Splice		Development		
	Top Bars	Other Bars	Straight		With Standard Hook
		Top bars	Other Bars		
#3	28"	22"	22"	18"	10"
#4	38"	30"	30"	22"	12"
#5	48"	36"	36"	28"	14"
#6	56"	44"	44"	34"	18"
#7	82"	64"	64"	48"	20"
#8	94"	72"	72"	56"	22"
#9	106"	82"	82"	62"	26"
#10	118"	92"	92"	70"	28"
#11	132"	102"	102"	78"	32"



D = 6db for #8 and smaller
D = 8db for #9 to #11

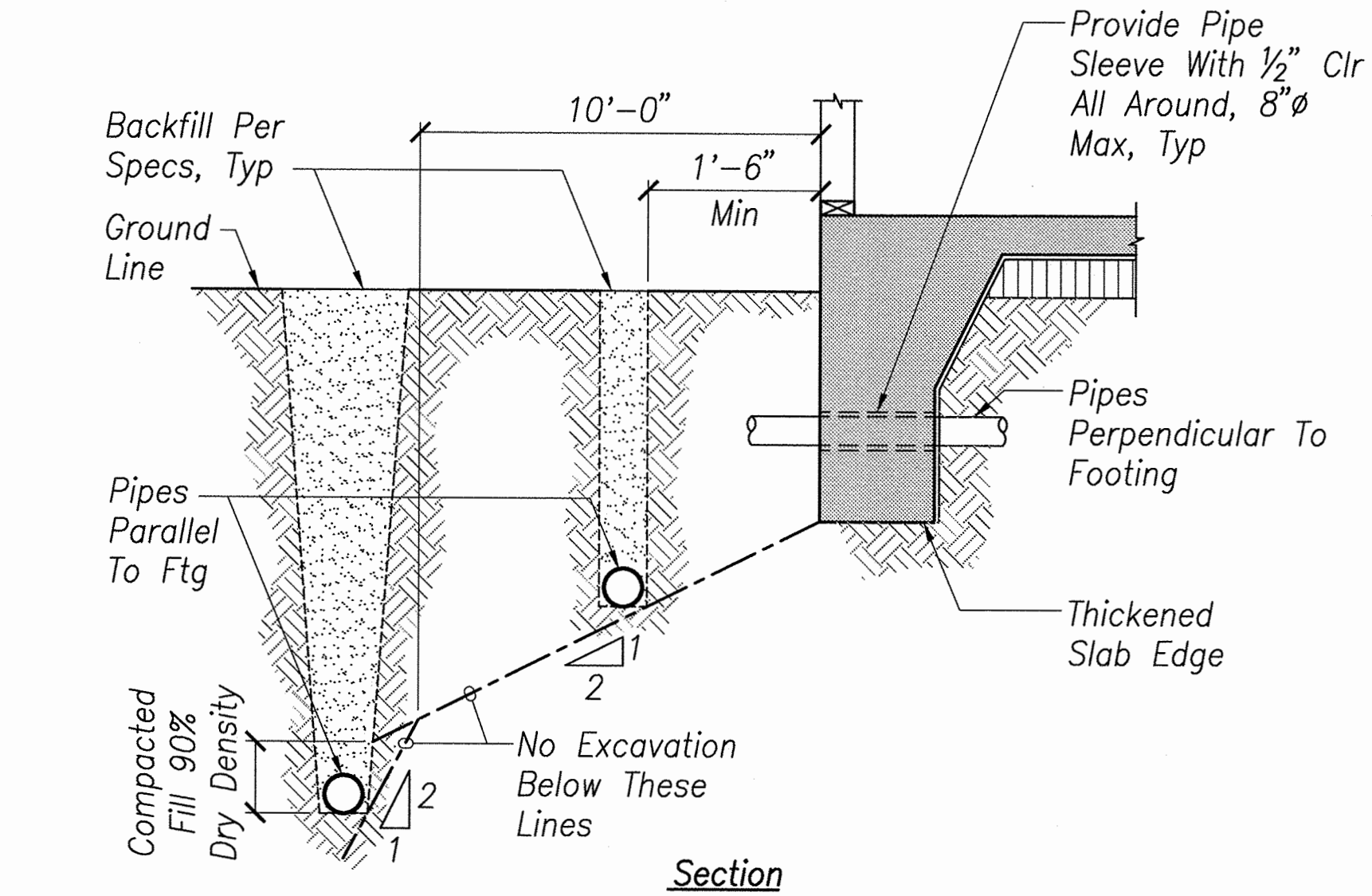
Notes:

- Lengths are for concrete with rebar spaced at 6 bar diameters minimum. Increase lengths by 25% for bars spaced less than 6 bar diameters.
- "Top Bars" are horizontal bars with 12" or more of concrete cast below.

Typical Rebar Splice And Development Length Schedule

Not To Scale

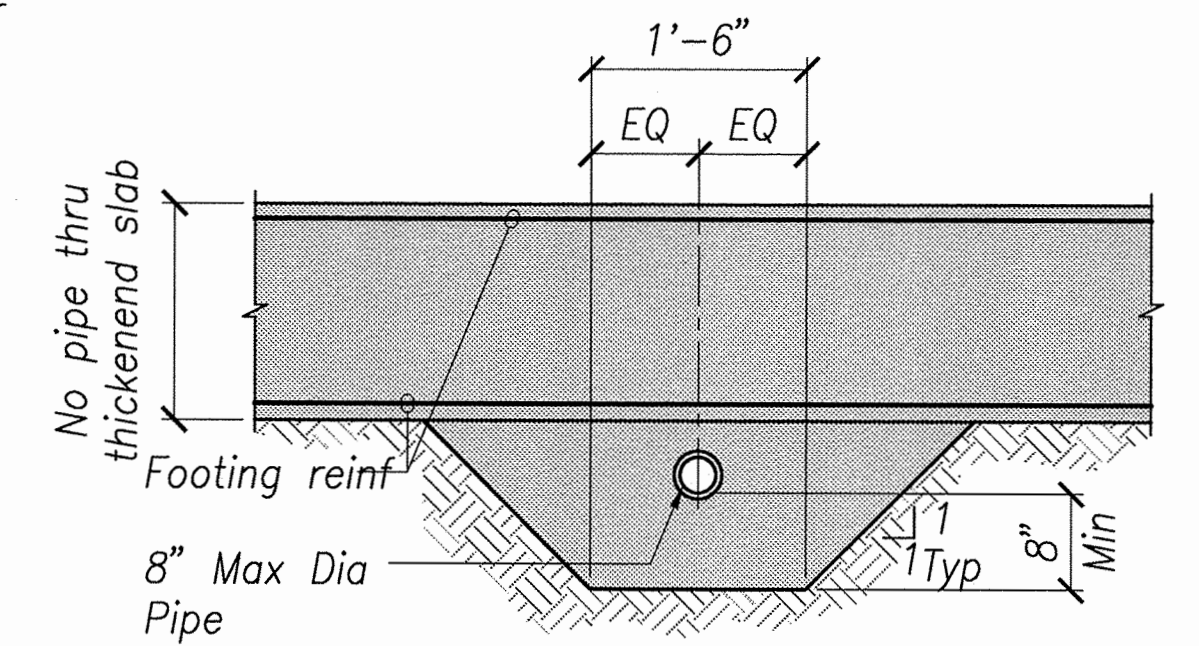
1
SB-4 | SB-2



Typical Pipe At Thickened Slab Detail

Not To Scale

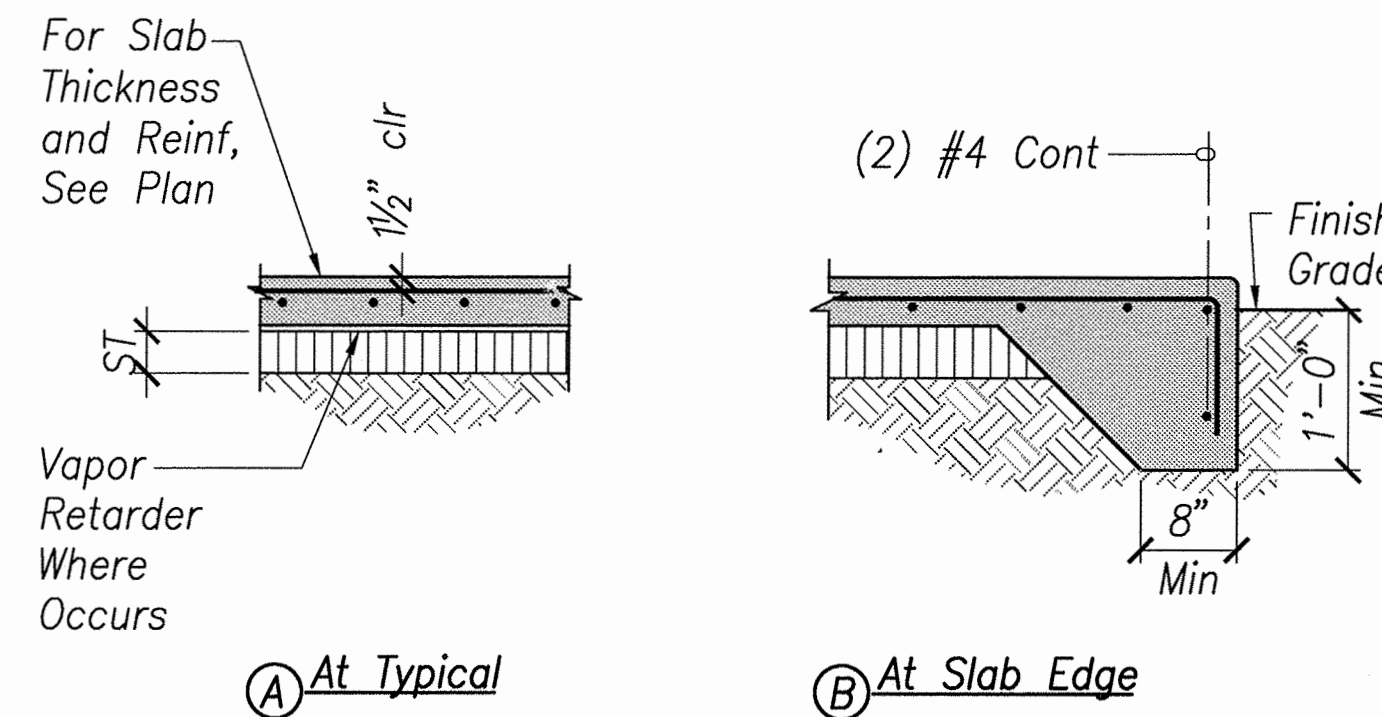
2
SB-4 | SB-2



Elevation

Notes:

- For pipes perpendicular to footing at more than 3'-0" below bottom of footing, trench shall be backfilled with compacted fill per specifications.
- Contractor shall determine exact depth and location of pipes prior to excavation for footings. Footing shall be lowered as required.



Typical Slab-on-Grade Details

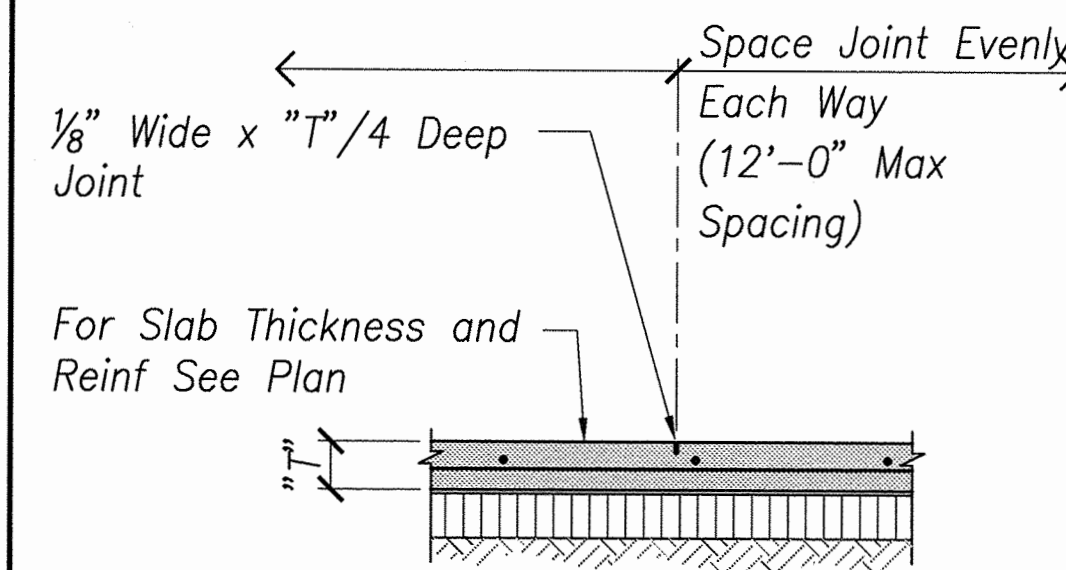
Not To Scale

3
SB-4 | SB-2

Subgrade Schedule				
Mark	"ST"	Material	Vapor Retarder	Remarks
SB-1	4"	3B Fine	Yes	At Interior
SB-2	4"	Base Course	No	At Exterior

Slab on Grade Notes:

- Thickness of slab-on-grade shown are minimum and shall be maintained at all sloped and depressed areas.
- For floor elevations and slopes to drain, see Architectural drawings.
- Vapor Retarder shall be 10 Mil Stego Wrap or Approved Equal.



Typical Tooled Joint

Notes:

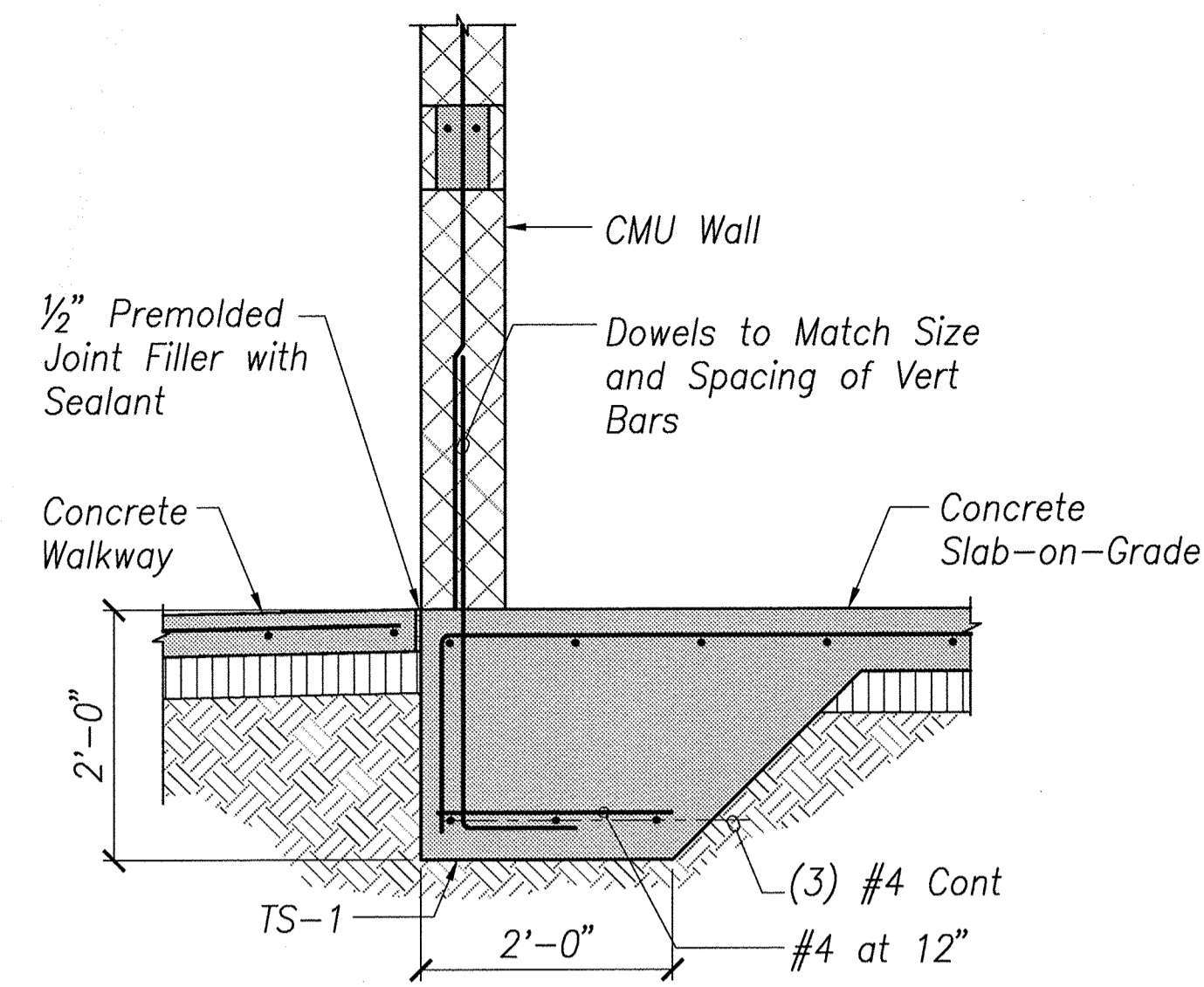
- Tooling shall occur as soon as concrete surface is firm enough to not be torn by blade and before shrinkage cracking occurs.

Typical Slab Joint Detail

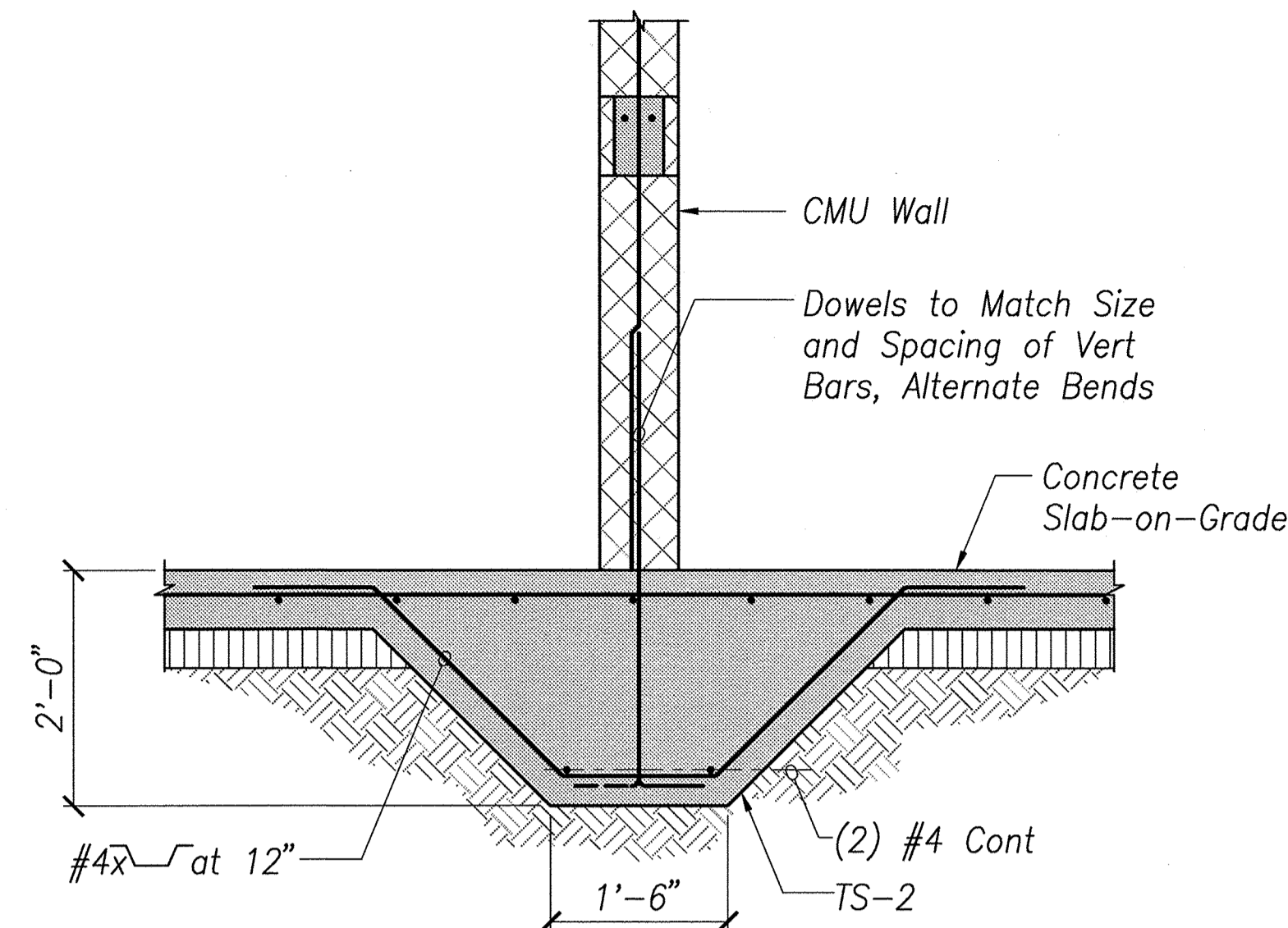
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4
SB-4 | SB-2

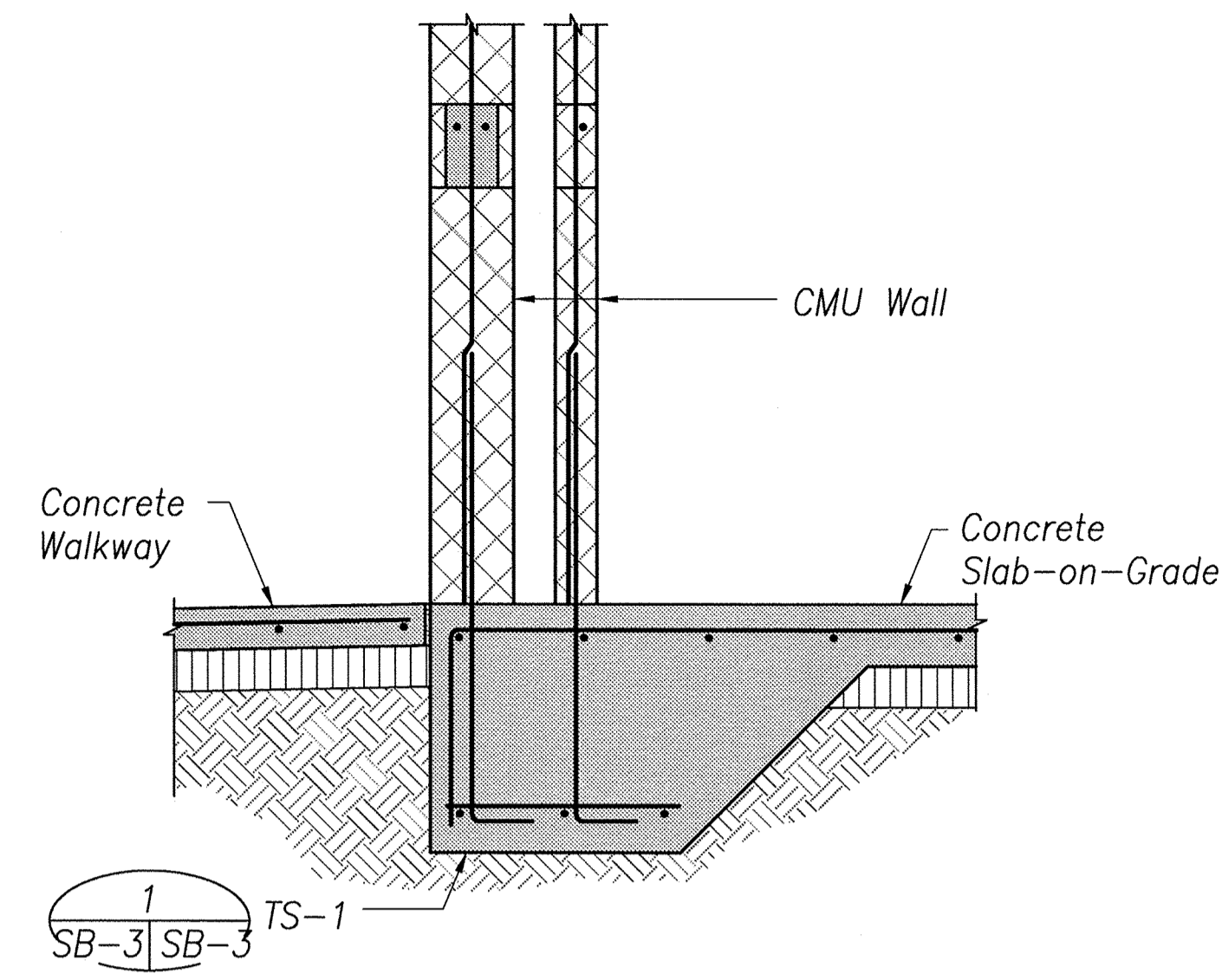
REVISION NO.	SYM.	DESCRIPTION	SHT./OF	DATE	APPROVED
STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION CENTRAL MAUI REGIONAL SPORTS COMPLEX PHASE 3 WAILUKU, MAUI, HAWAII TYPICAL DETAILS					
		DESIGNED: JM DRAWN: CADD CHECKED: JM APPROVED: <i>[Signature]</i> CHIEF ENGINEER			
EXPIRES DATE OF THE LICENSE 4/30/2016 THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION		SUBMITTED: -- DATE: DECEMBER 2015 SCALE: AS SHOWN		DRAWING NO. SB-2	
R. M. TOWILL CORPORATION <small>Survey - Grading - Earthwork Retention - Foundation - Specialty - Geotechnical Engineering 920 Kalia Road, Suite 200, Honolulu, Hawaii 96813-2000</small>		DEC 2 2 2015 DATE		JOB NO. F93C817D SHEET NO. 66 OF 90 SHEETS	



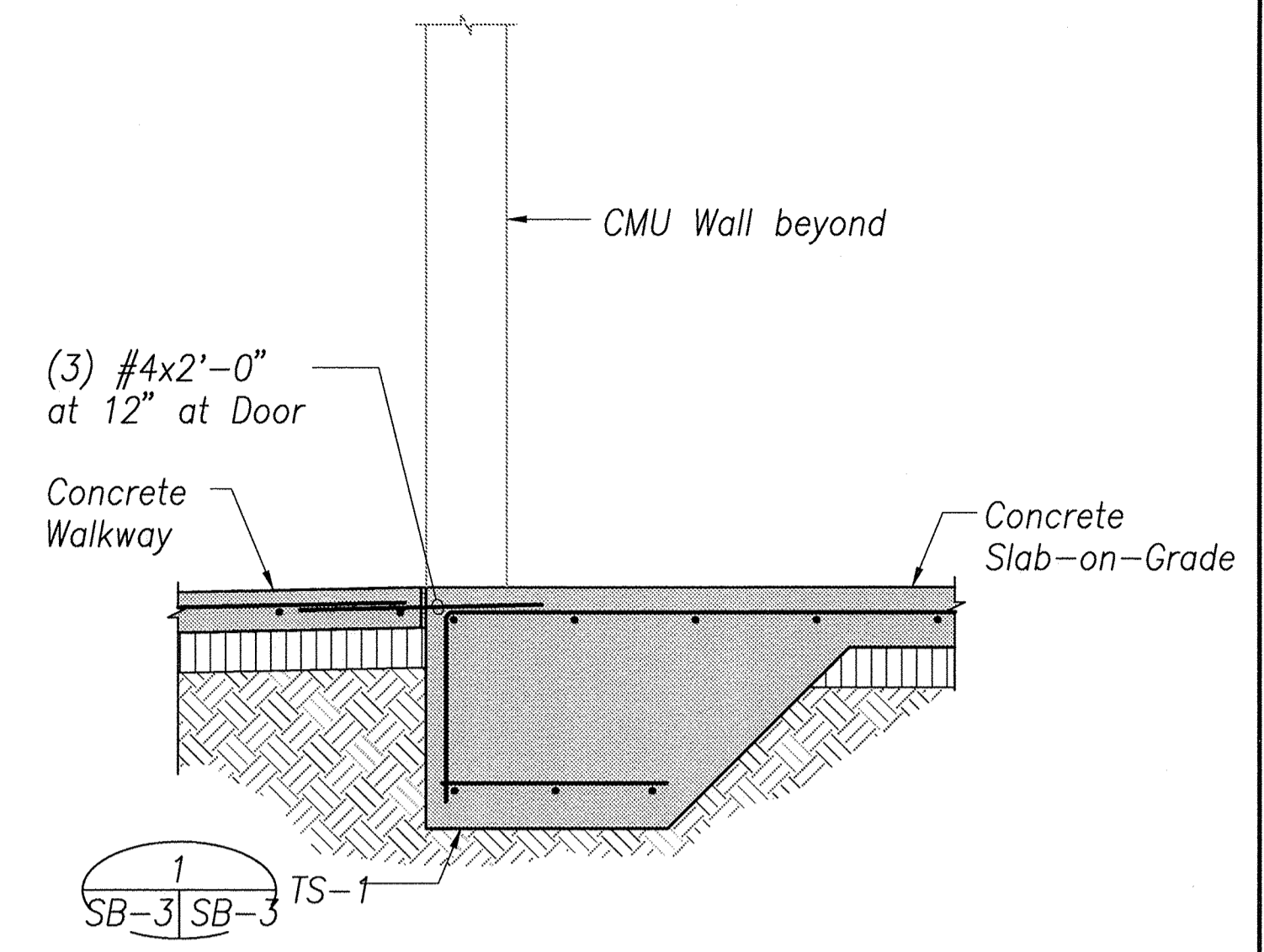
Section
Scale: 3/4" = 1'-0" SB-3, SB-4, SB-5 | SB-3



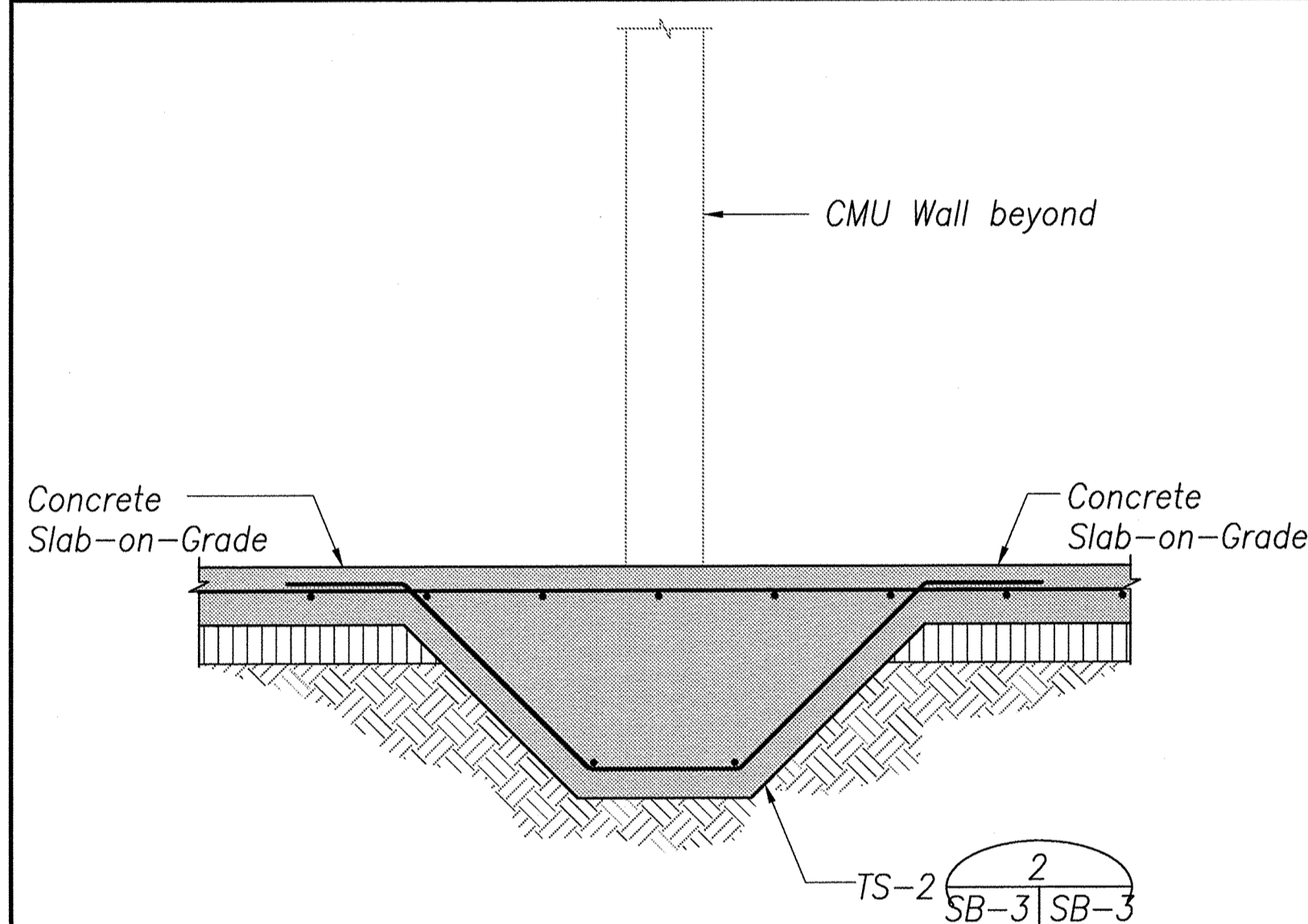
Section
Scale: 3/4" = 1'-0" SB-3, SB-4, SB-5 | SB-3



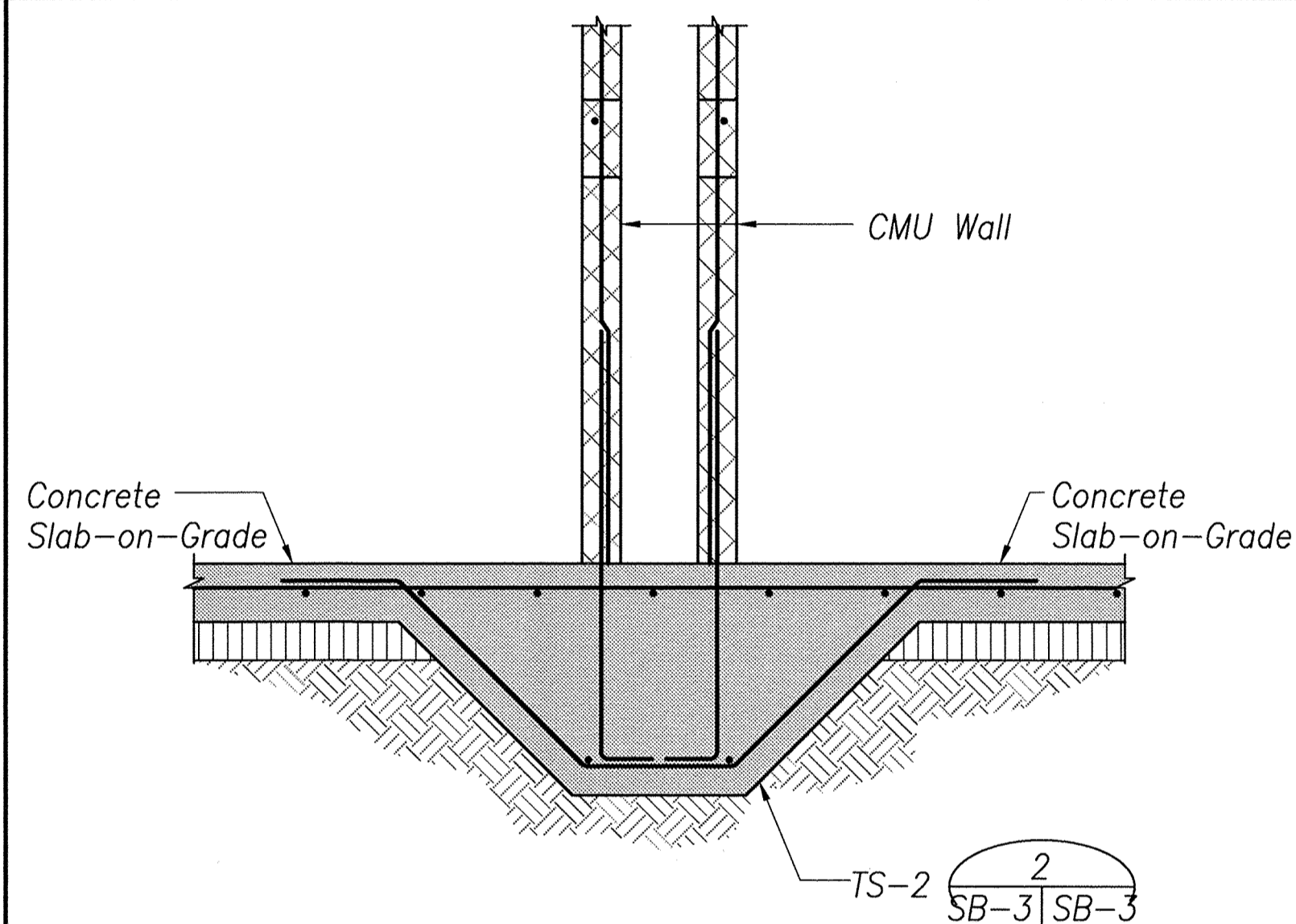
Section
Scale: 3/4" = 1'-0" SB-4, SB-5 | SB-3



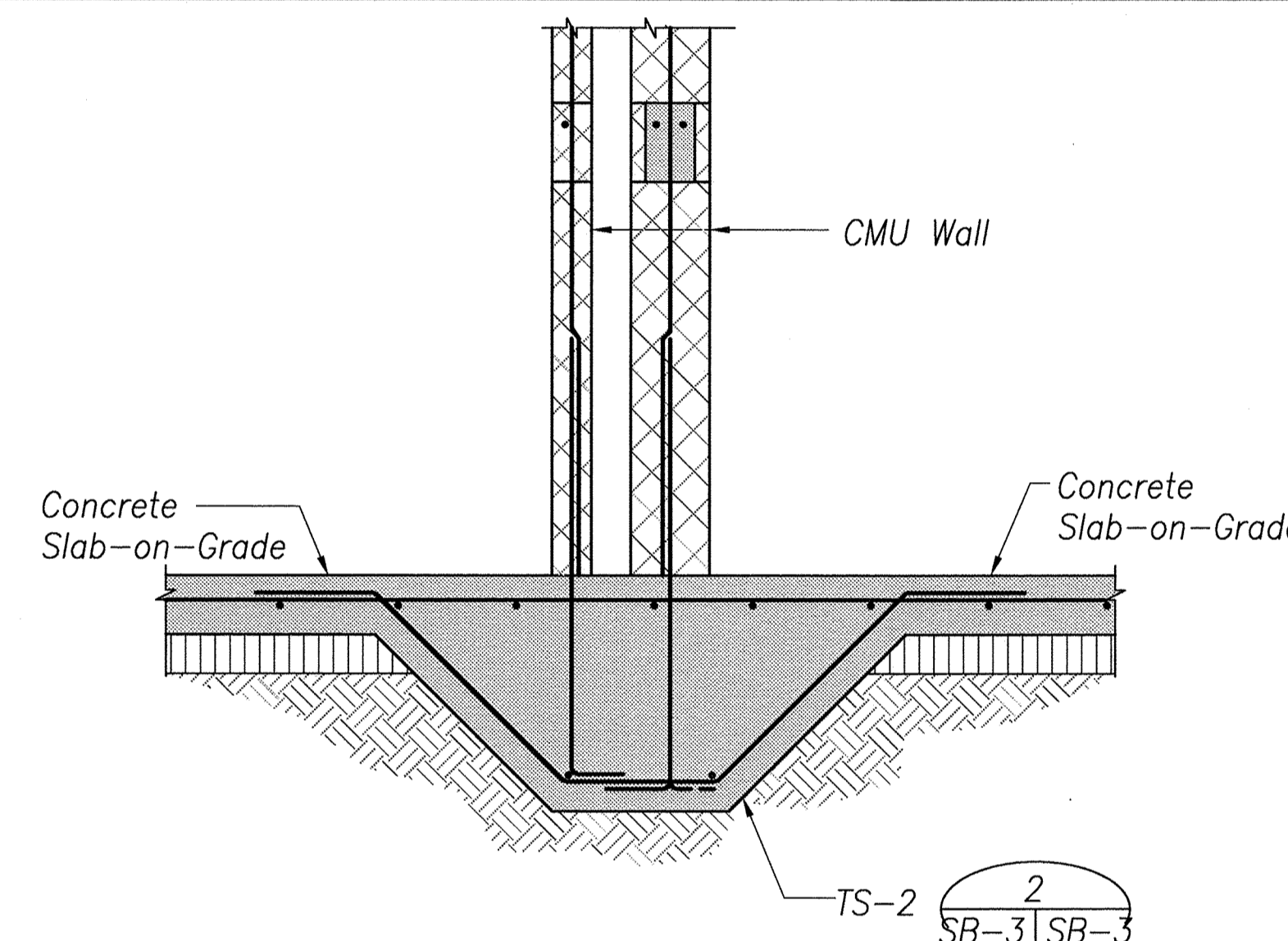
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Scale: 3/4" = 1'-0" SB-4, SB-5, SB-6 | SB-3



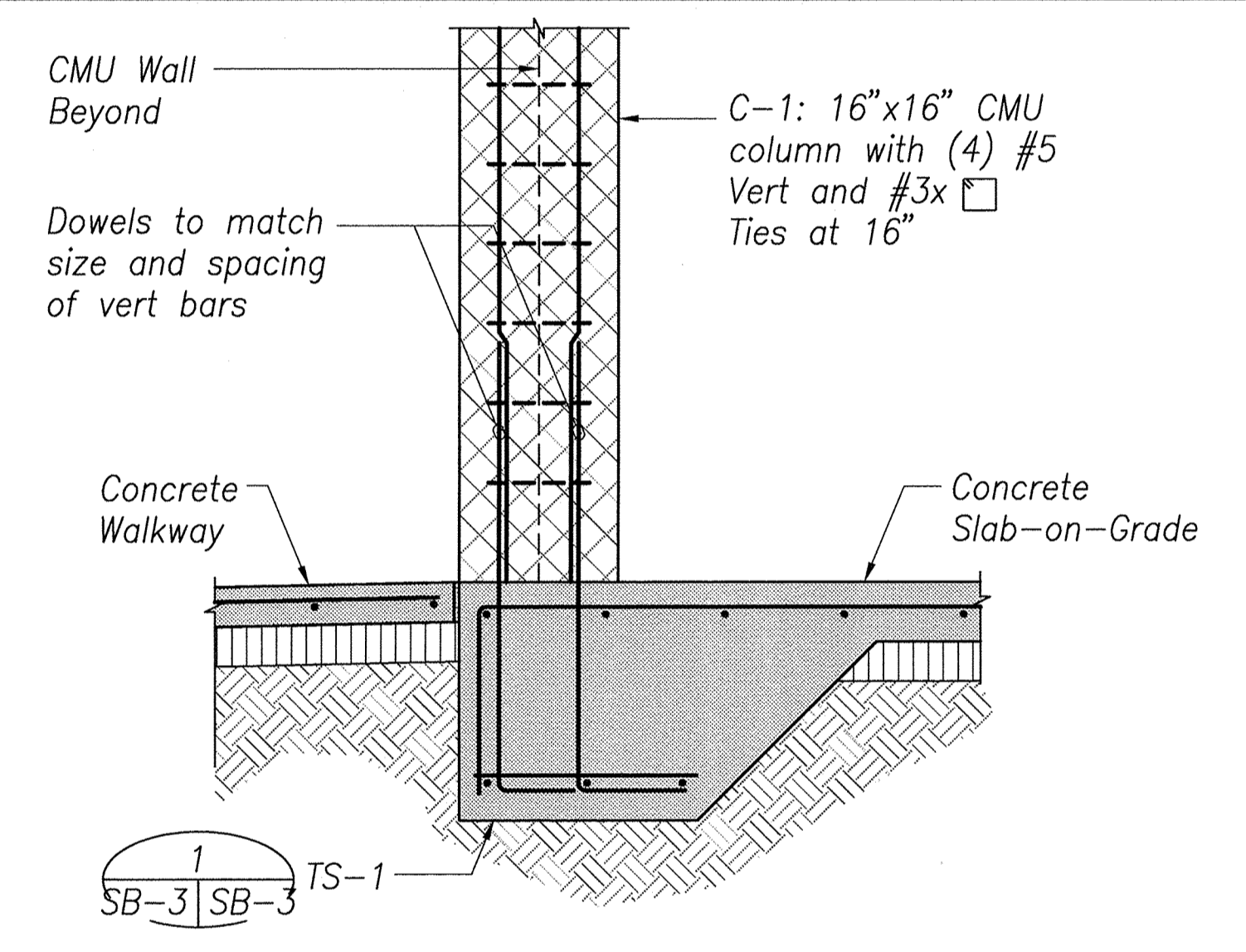
Section
Scale: 3/4" = 1'-0" SB-4, SB-5 | SB-3



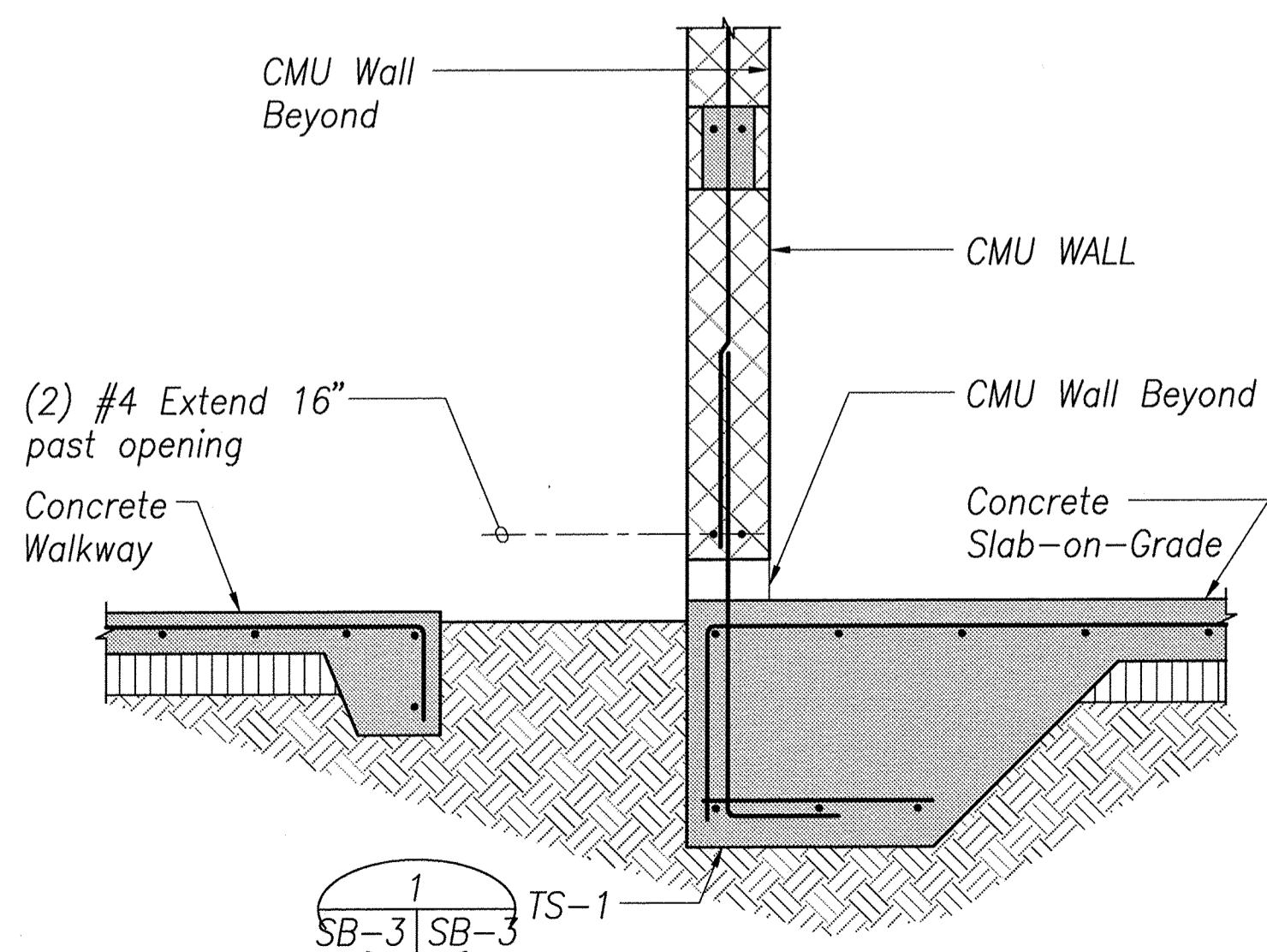
Section
Scale: 3/4" = 1'-0" SB-4, SB-5 | SB-3



Section
Scale: 3/4" = 1'-0" SB-5 | SB-3



Section
Scale: 3/4" = 1'-0" SB-4, SB-5 | SB-3



Section
Scale: 3/4" = 1'-0" SB-4, SB-5 | SB-3

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

EXPIRATION DATE OF THE LICENSE 4/30/2016
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
ENGINEERING DIVISION

**CENTRAL MAUI REGIONAL SPORTS COMPLEX
PHASE 3
WAILUKU, MAUI, HAWAII**

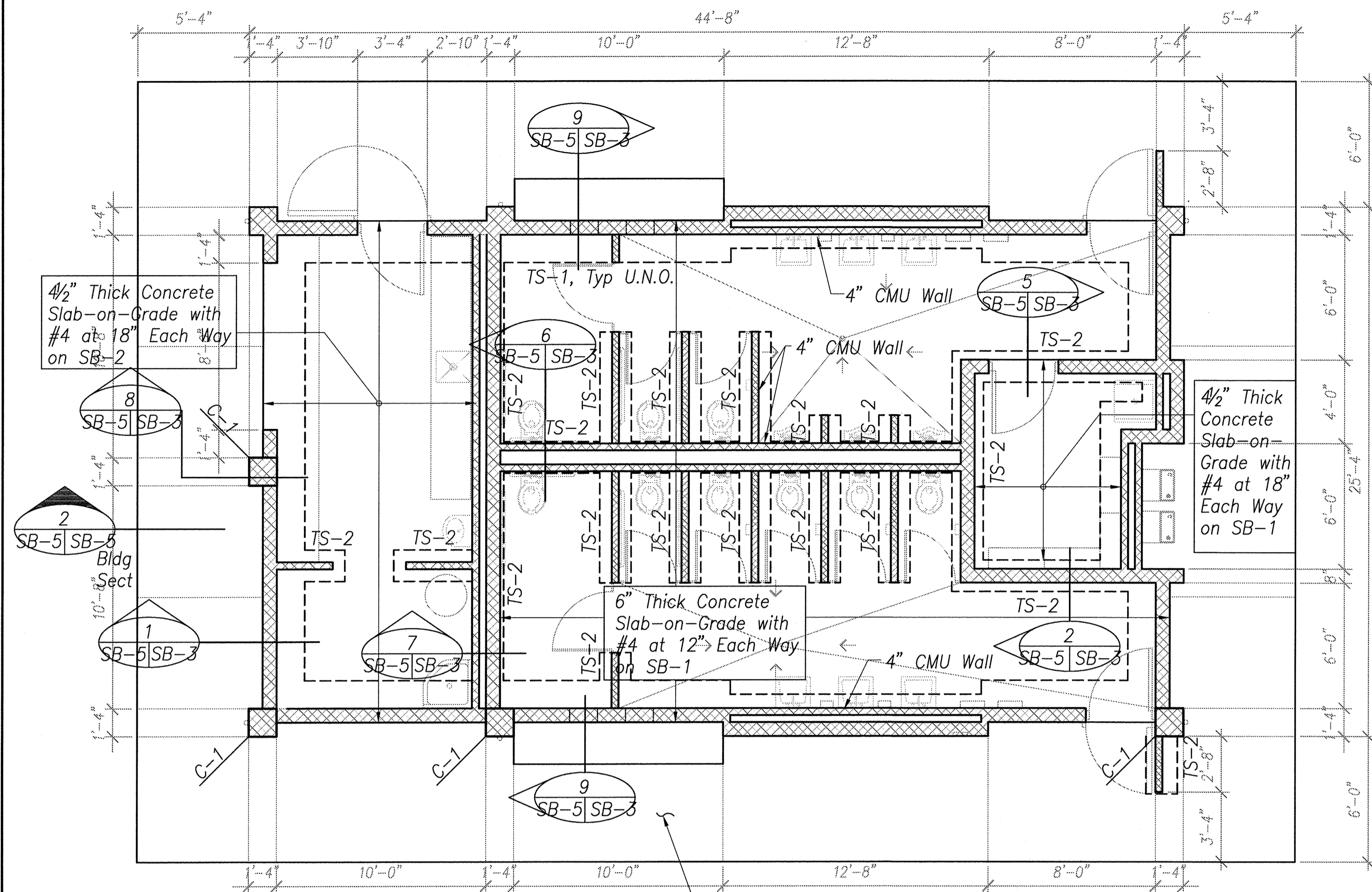
**FOOTING SCHEDULE,
FOUNDATION SECTIONS**

DESIGNED: JM
DRAWN: CADD
CHECKED: JM
APPROVED: *[Signature]*
R. M. TOWILL CORPORATION
CHIEF ENGINEER

SUBMITTED: -- DATE: DECEMBER 2015 SCALE: AS SHOWN	DRAWING NO. SB-3
---	----------------------------

DEC 2 2 2015
DATE

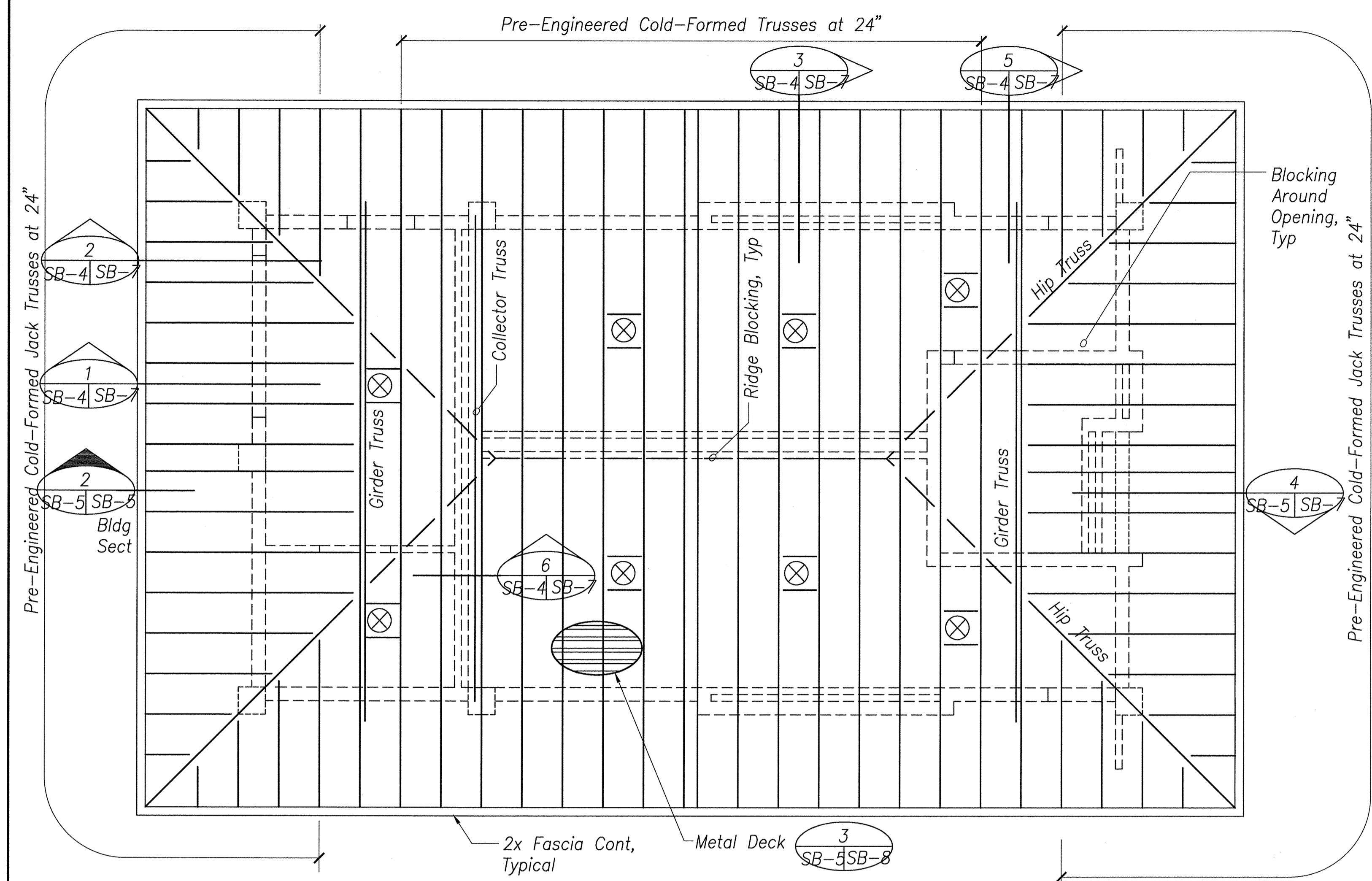
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Concession Foundation Plan

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

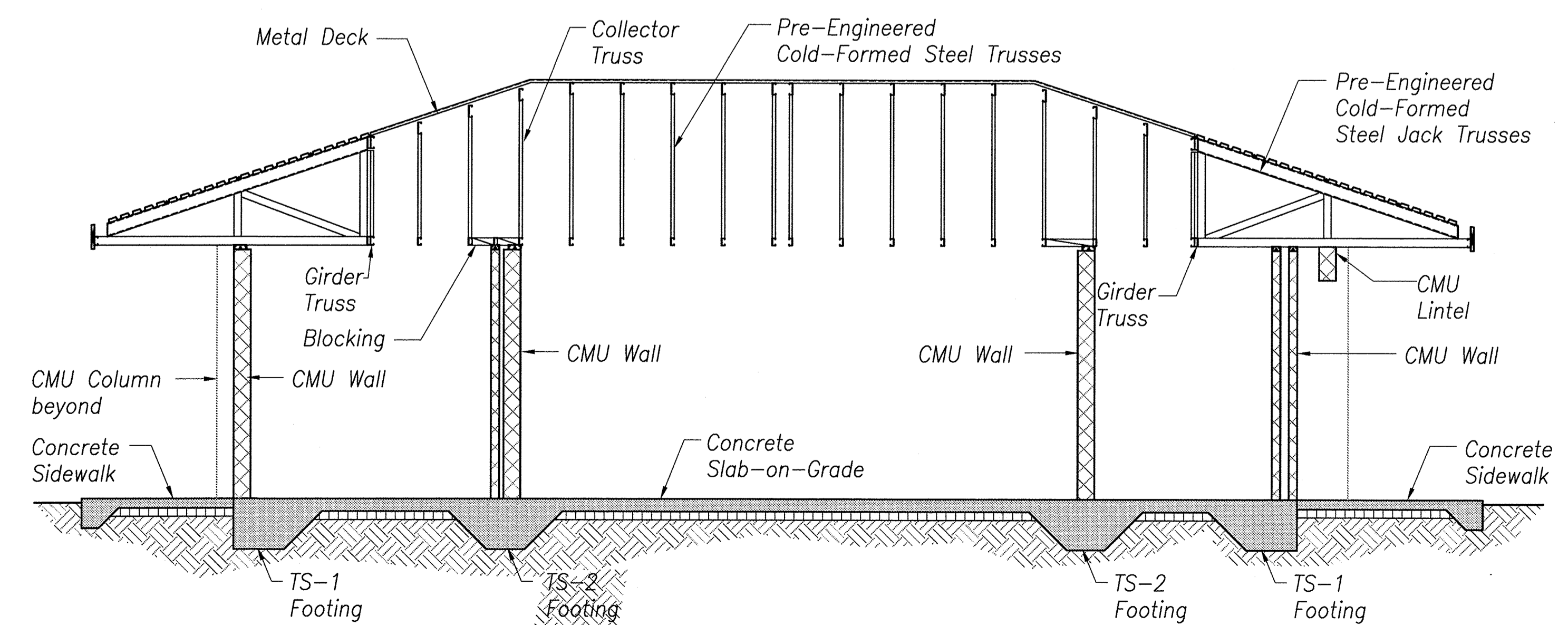
1
SB-5/SB-3



Concession Roof Framing Plan

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

3
SB-5/SB-8



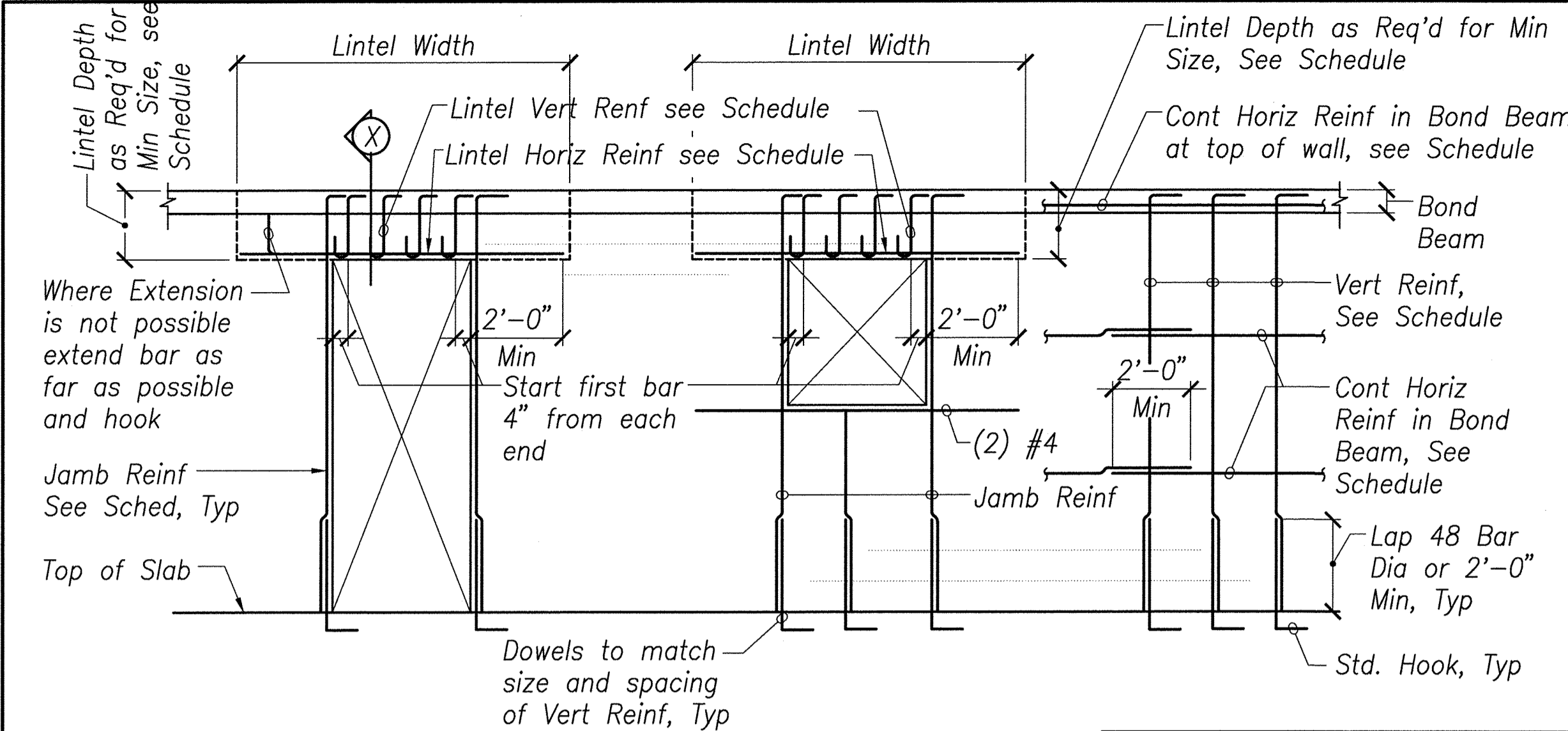
Concession Building Section

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

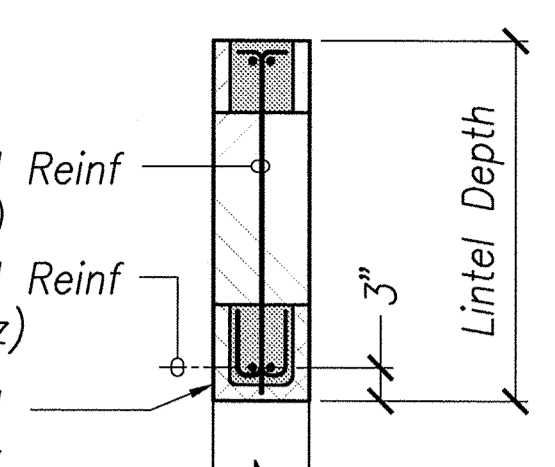
2
SB-5/SB-3

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STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION CENTRAL MAUI REGIONAL SPORTS COMPLEX PHASE 3 WAILUKU, MAUI, HAWAII CONCESSION FOUNDATION AND ROOF FRAMING PLANS AND BUILDING SECTION					
		DESIGNED: JM DRAWN: CADD CHECKED: JM APPROVED:	SUBMITTED: --- DATE: DECEMBER 2015 SCALE: AS SHOWN	DRAWING NO. SB-5	
R. M. TOWILL CORPORATION <small>Professional Engineer - Mechanical, Electrical, Plumbing, Fire Protection, Structural, and Civil Engineering</small>		DEC 22 2015 DATE			

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Wall Thickness (Inches)	Bar Size and Spacing		Remarks
	Horiz	Vert	
4	#3 at 48"	#3 at 24"	
8	(2) #4 at 48"	#5 at 24"	



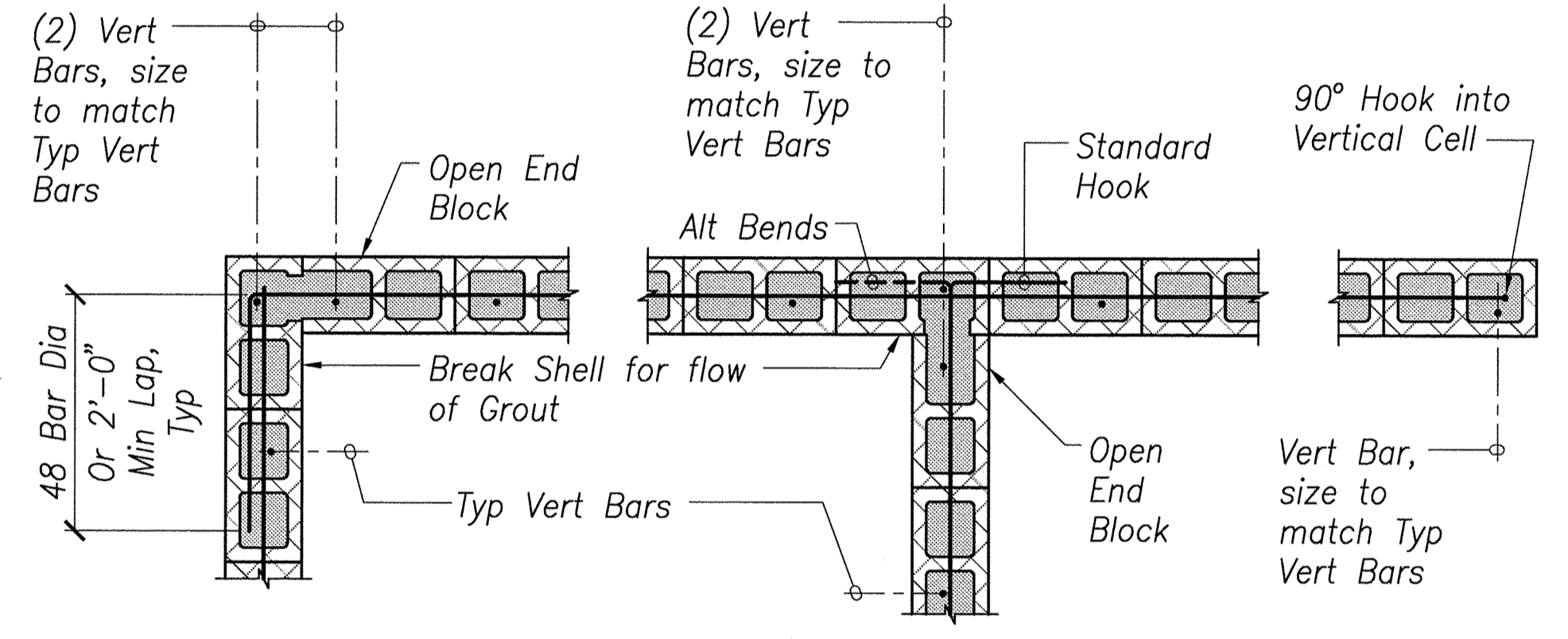
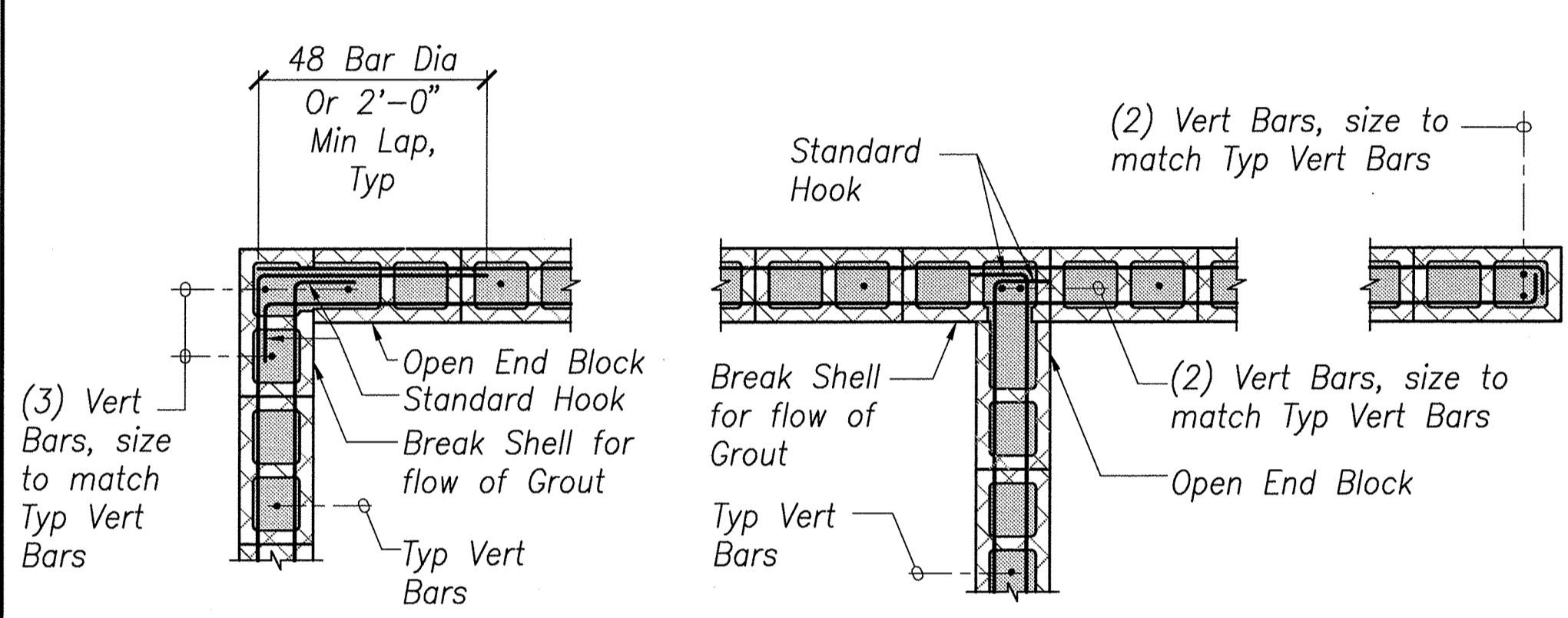
SECTION
Not to scale

Opening Width	Lintel Depth (Minimum)	Reinforcing			Remarks
		Jamb	Lintel Horiz	Lintel Vert	
$W < 5'-0"$	1'-4"	(2) #4	(2) #4	#4 at 8"	
$5'-1" < W < 7'-0"$	1'-4"	(2) #5	(2) #5	#4 at 8"	
$7'-1" < W < 10'-0"$	1'-4"	(2) #6	(2) #6	#5 at 8"	

Typical Cmu Wall Elevation Detail
Not To Scale

1
SB-6 SB-6

Note: All walls shall be solid grouted.



Cmu Wall Reinforcing At Bond Beam
Not To Scale

2
SB-4 SB-6

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STATE OF HAWAII DEPARTMENT OF LAND AND NATURAL RESOURCES ENGINEERING DIVISION CENTRAL MAUI REGIONAL SPORTS COMPLEX PHASE 3 WAILUKU, MAUI, HAWAII TYPICAL CMU DETAILS					
		DESIGNED: JM DRAWN: CADD CHECKED: JM APPROVED:		SUBMITTED: -- DATE: DECEMBER 2015 SCALE: AS SHOWN DATE: DEC 22 2015	
R. M. TOWILL CORPORATION <small>Surveying • Engineering • Construction • Planning • Architecture • Environmental Services</small>			DRAWING NO. SB-6		

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