



HOOK FARMS

SW 26TH TERRACE & SW PRYOR RD
LEE'S SUMMIT, MO

PERMIT SET

18 OCTOBER 2021

COLLINS WEBB #: 20032



PROJECT LOCATION

GENERAL	
SHEET NUMBER	SHEET NAME
CS	COVER SHEET
G001	GENERAL INFORMATION
G002	ACCESSIBILITY GUIDELINES
G500	GENERAL PROJECT SPECIFICATIONS
G501	GENERAL PROJECT SPECIFICATIONS

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C02	GENERAL NOTES
C03	GENERAL NOTES
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C05	SITE PLAN
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C08	SPOT ELEVATIONS
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C09C	SANITARY SEWER
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L1+L3	LANDSCAPE PLANS

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ARCHITECTURAL	
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AS101	ARCHITECTURAL SITE PLAN
A101	1ST FLOOR PLANS
A201	EXTERIOR ELEVATIONS
A325	SECTIONS, DETAILS & SCHEDULES

MEP	
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ME001	COVER SHEET
ME002	SPECIFICATIONS
ME101	SITE PLAN
M101	MECHANICAL PLAN
M201	MECHANICAL SCHEDULES & DETAILS
E101	ELECTRICAL PLAN
E201	ELECTRICAL SCHEDULE & DETAILS

GENERAL DESCRIPTION		
PROJECT NAME: HOOK FARMS POOL HOUSE		
PROJECT LOCATION: SW 26TH TERRACE & SW PRYOR RD, LEE'S SUMMIT, MO		
COLLINS WEBB ARCHITECTURE 13A SW 3RD STREET LEE'S SUMMIT, MISSOURI 64063		
APPLICABLE CODES: 2018 INTERNATIONAL BUILDING CODE 2018 INTERNATIONAL FIRE CODE 2018 INTERNATIONAL MECHANICAL CODE 2018 INTERNATIONAL PLUMBING CODE 2017 NATIONAL ELECTRICAL CODE 2012 ENERGY CONSERVATION CODE ICC/ANSI A117.1-2009, ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES		
CODE INFORMATION		
BUILDING/PROJECT USE:	POOL HOUSE - NON CONDITIONED SPACE	IBC SECTION 312
CONSTRUCTION TYPE	TYPE IV (NON-SPRINKLERED)	IBC TABLE 601
OCCUPANCY CLASSIFICATION	GROUP "U" UTILITY	IBC SECTION 312
BUILDING FRAME	WOOD FRAME	
BASE ALLOWABLE AREA "U"	5,500 SQ. FT.	IBC TABLE 506.2
ACTUAL AREA (GROSS)	534 SQ. FT.	
ALLOWABLE STORIES	1 STORY	IBC TABLE 504.4
ACTUAL NUMBER OF STORIES	1 STORY	
ALLOWABLE HEIGHT	40'-0"	IBC TABLE 504.3
ACTUAL HEIGHT IN FEET	15'-6"	
FIRE RESISTIVE REQUIREMENTS		
PRIMARY FRAME	0 HRS	IBC TABLE 601
NON-BEARING WALLS	0 HRS	IBC TABLE 601
BEARING WALLS INT./EXT.	0 HRS	IBC TABLE 601
FLOOR CONSTRUCTION	0 HRS	IBC TABLE 601
CEILING/ROOF	0 HRS	IBC TABLE 601
CORRIDORS (NOT APPLICABLE)	0 HRS OCC. < 30 OCCUPANTS	IBC TABLE 1020.1
CEILING HEIGHT NOTES: (IBC 1207)		
1. ALL MEANS OF EGRESS TO HAVE A MINIMUM CEILING HEIGHT OF 7'-6" A.F.F., NOR SHALL HAVE ANY PROJECTION FROM THE CEILING BE LESS THAN 7'-0" A.F.F.		
2. OCCUPIED SPACES, HABITABLE SPACES AND CORRIDORS SHALL HAVE A CEILING HEIGHT OF NOT LESS THAN 7'-6" A.F.F.		
3. BATHROOMS, TOILET ROOMS, STORAGE ROOMS SHALL HAVE A CEILING HEIGHT OF NOT LESS THAN 7'-0" A.F.F.		
INTERIOR FINISHES		
GROUP U	MAX. FLAME SPREAD	
EXIT ENCLOSURES	NO RESTRICTIONS	IBC TABLE 803.13
LOBBIES & CORRIDORS	NO RESTRICTIONS	IBC TABLE 803.13
ALL OTHER SPACES	NO RESTRICTIONS	IBC TABLE 803.13
TEXTILES	CLASS A (0-25)	IBC 803.5.2
SMOKE DEVELOPED	0-450	TABLE/SECTION/REFERENCE

OWNER
HUNT MIDWEST
8300 NE UNDERGROUND DR.
KANSAS CITY, MO 64161
P: 816.455.2500

ARCHITECT
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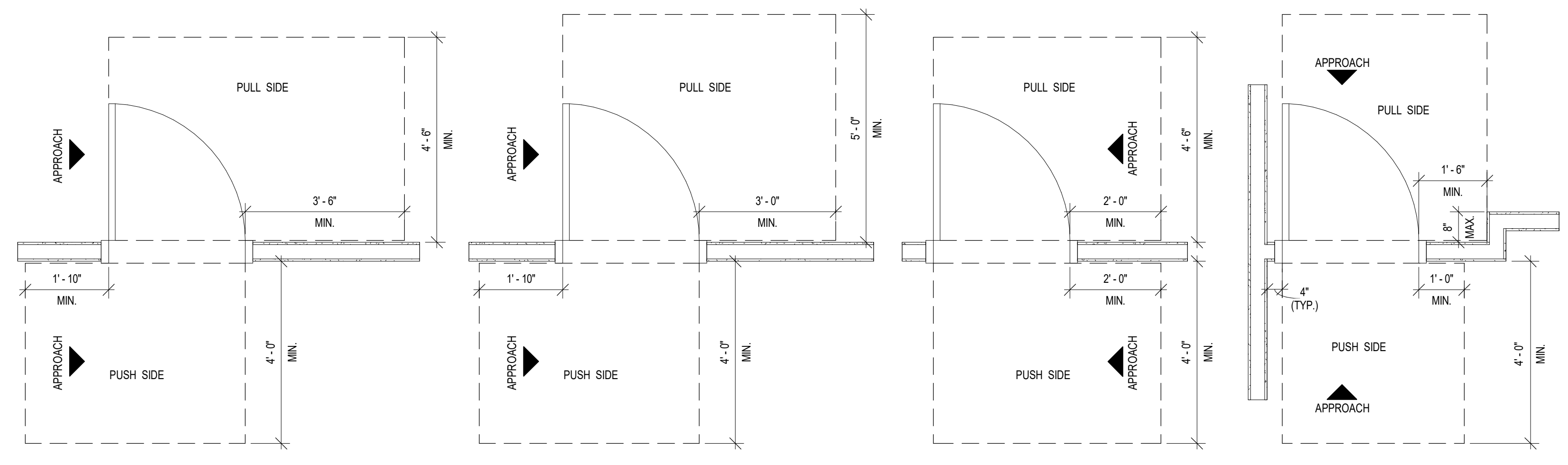
MEP ENGINEER
PKMR
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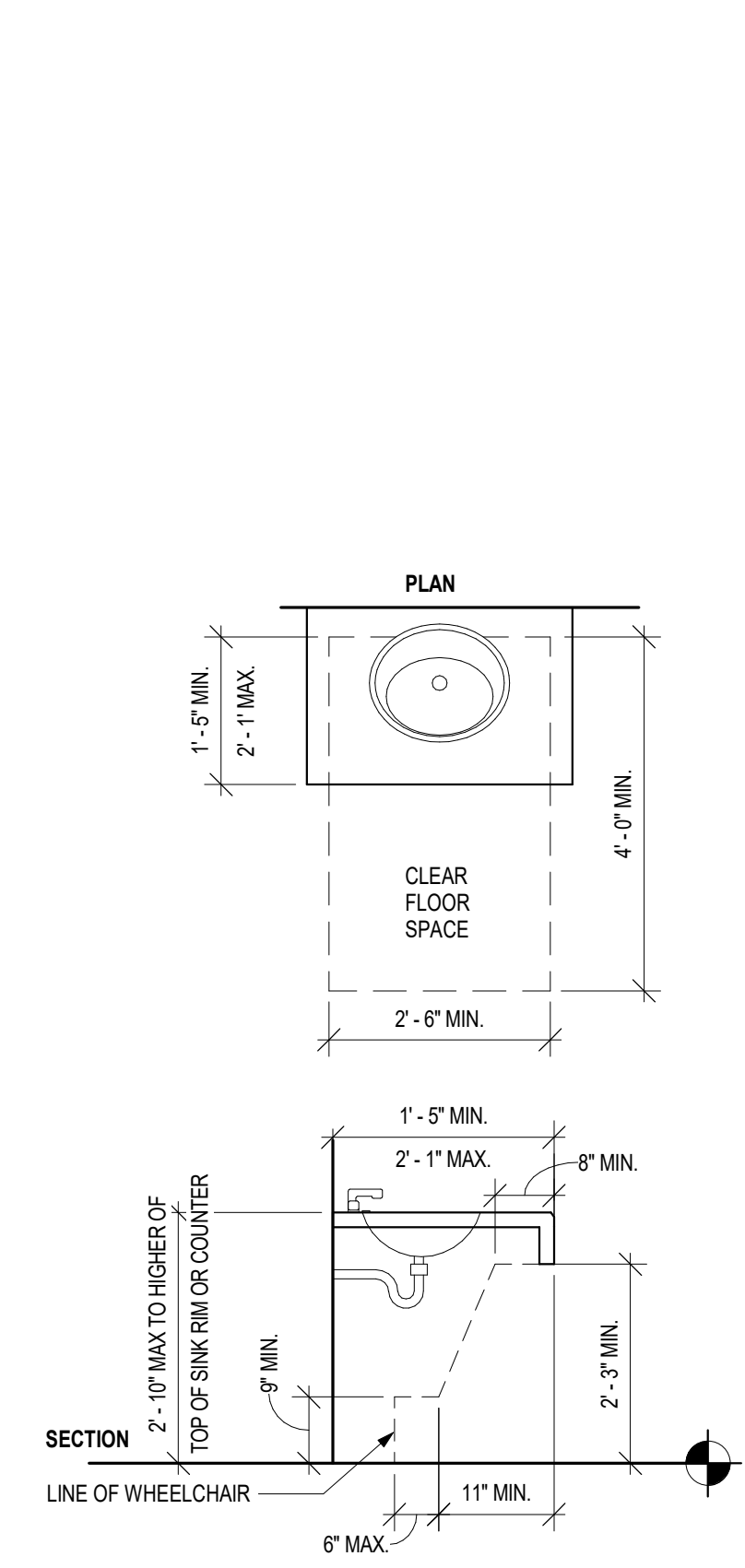
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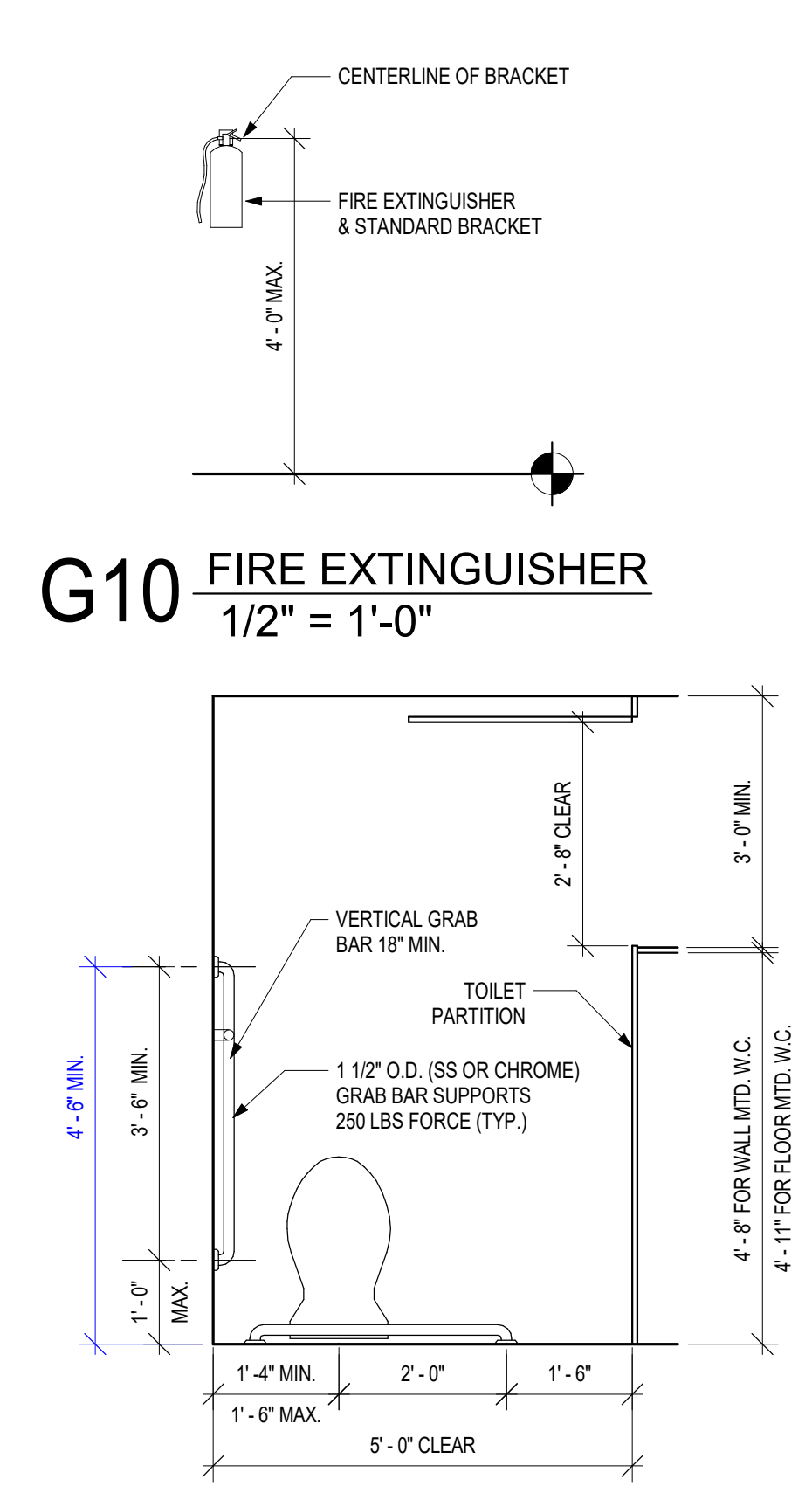
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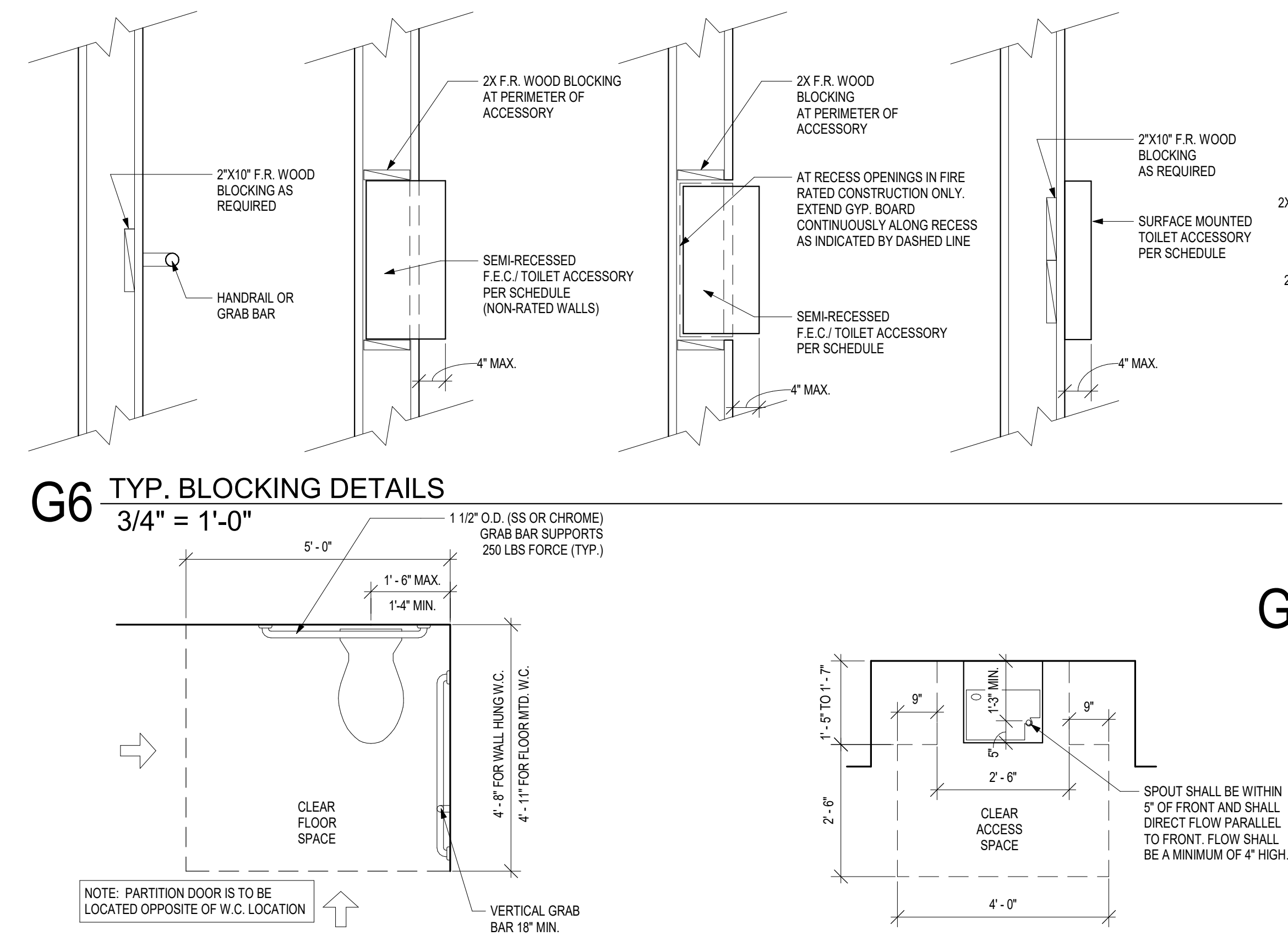
J6 TYP. DOOR APPROACH CLEARANCES
1/2" = 1'-0"



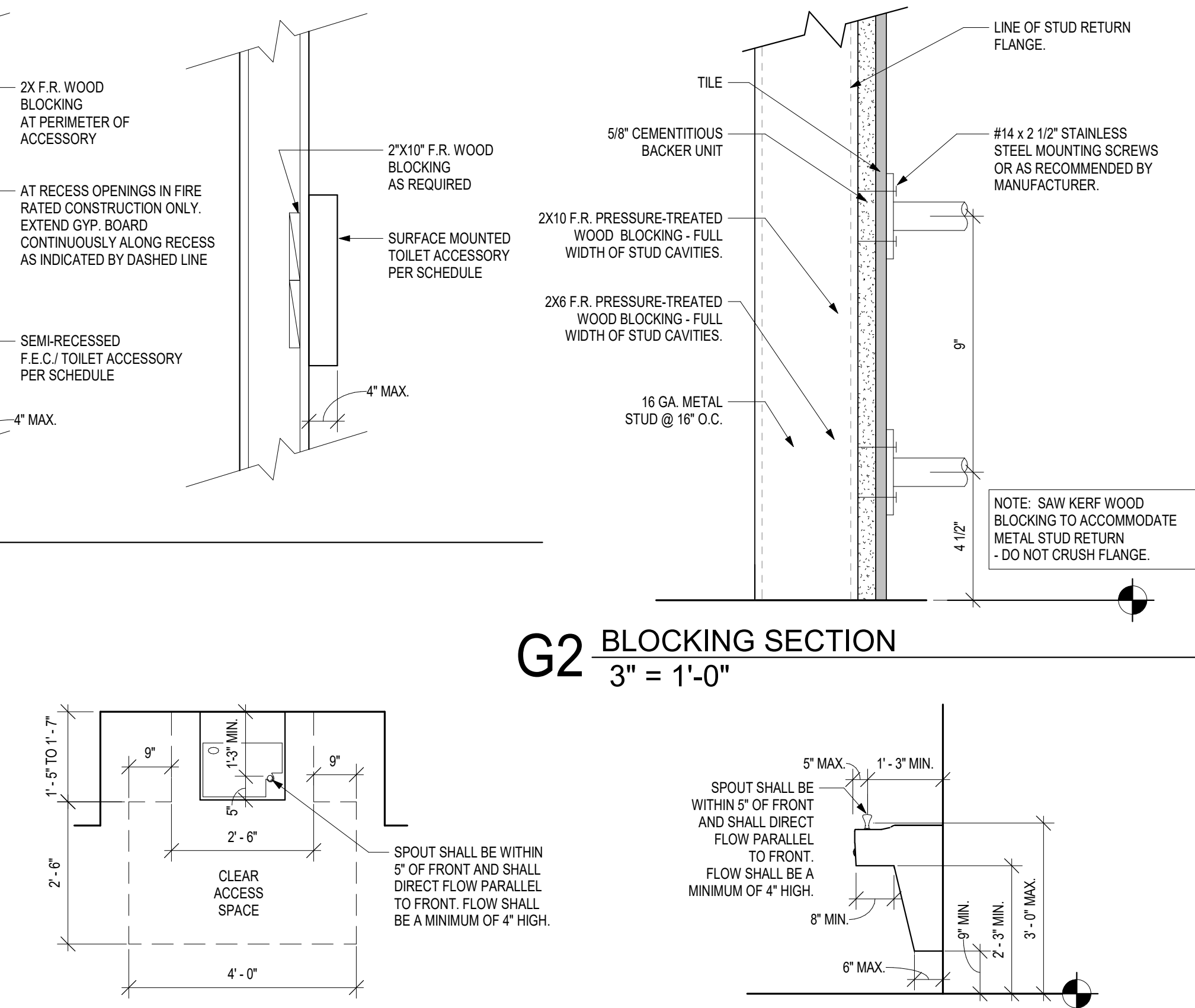
E12 SINK IN COUNTER CLEARANCES
1/2" = 1'-0"



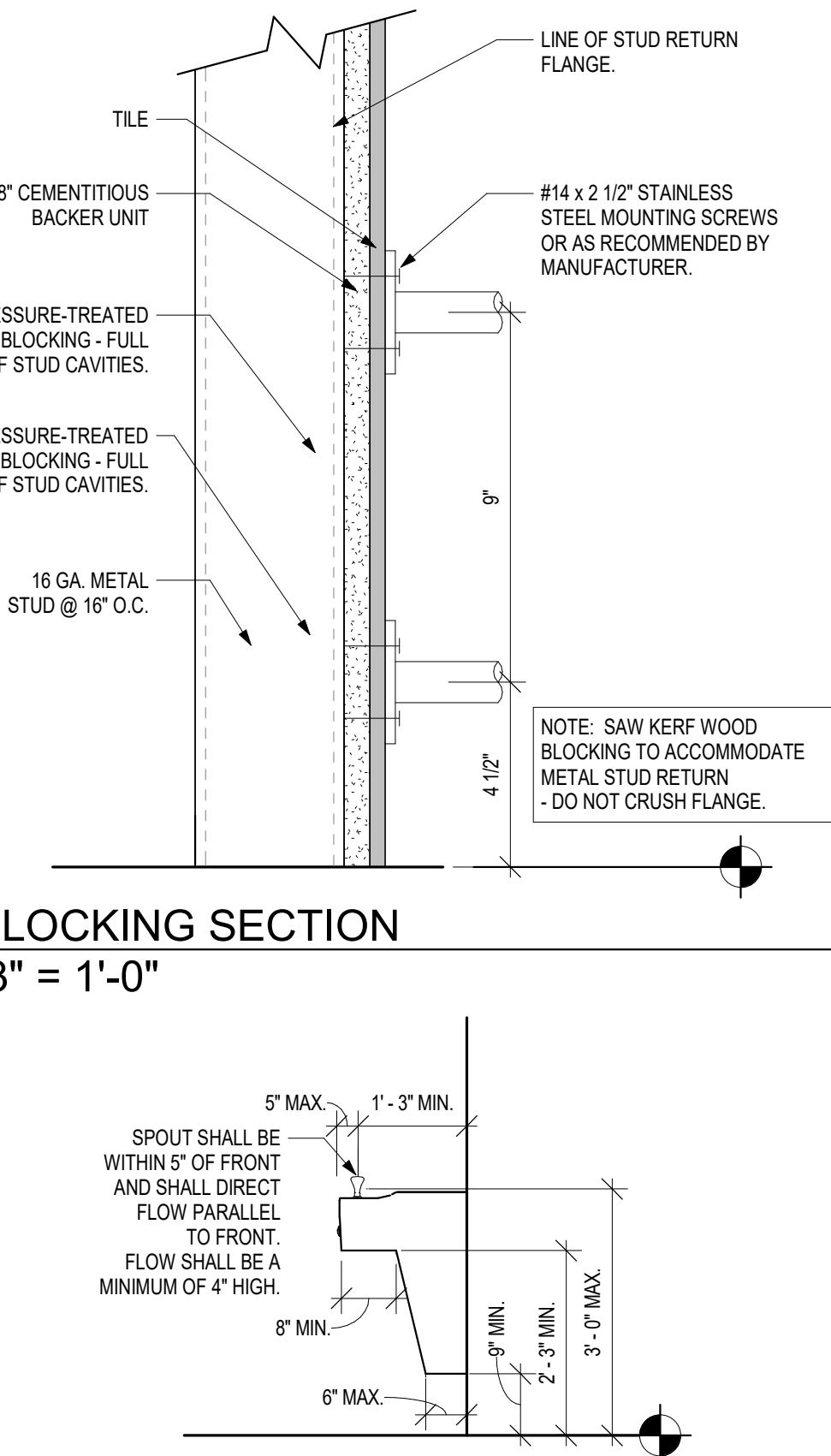
E10 ACCESSIBLE TOILET STALL
1/2" = 1'-0"



E8 ACCESSIBLE CLEAR FLOOR SPACE
1/2" = 1'-0"



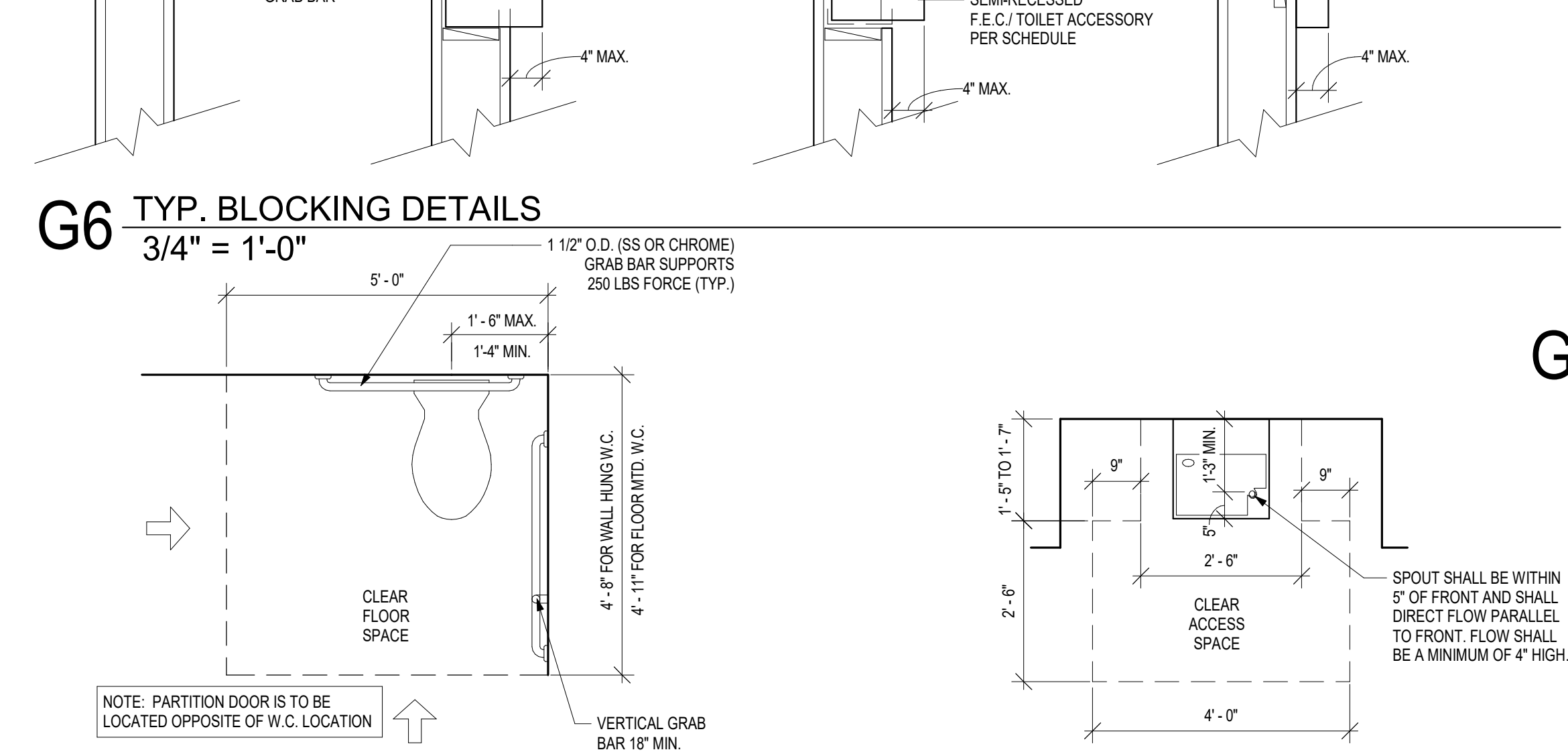
E4 E.W.C. - CLEAR SPACE
1/2" = 1'-0"



E2 E.W.C. - SECTION
1/2" = 1'-0"



G10 FIRE EXTINGUISHER
1/2" = 1'-0"



G6 TYP. BLOCKING DETAILS
3/4" = 1'-0"



G2 BLOCKING SECTION
3" = 1'-0"

**GENERAL NOTES:
ACCESSIBILITY GUIDELINES**

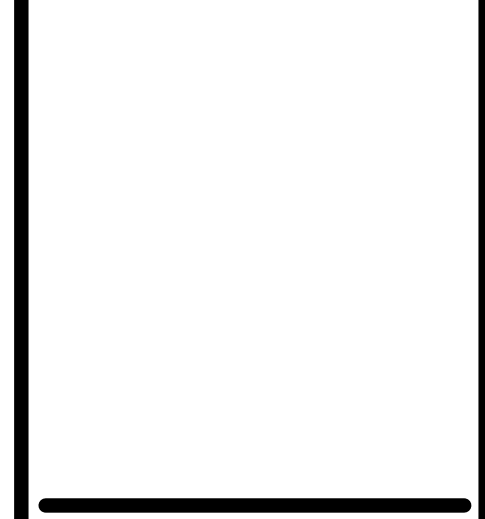
- NOTE: ALL DIMENSIONS ARE MEASURED FROM FLOOR, UNLESS NOTED OR SHOWN OTHERWISE.
- ADA UNOBSTRUCTED REACH RANGES: ADA FORWARD REACH = 48" MAX. & 15" MIN. ADA SIDE REACH = 48" MAX. & 15" MIN.
- DOOR HARDWARE (TO CENTER OF HARDWARE): STANDARD MOUNTING HEIGHTS: PUSH PLATES = 42"; PULL HANDLES = 42"; KNOBS/LEVERS = 40"; PANIC EXIT = 42" CENTERLINE OF BAR. KICKPLATES: WIDTH = DOOR WIDTH MINUS 2"; CENTER HEIGHT = 16" FROM B.O. DOOR. THRESHOLDS: STANDARD = 1/2" MAX. AT EXT. SLIDING DOORS = 3/4" MAX. ADA HARDWARE = 34" MIN. TO 48" MAX.
- DRINKING FOUNTAINS & EVCS (TO SPOUT): STANDARD = 40" TYP. 42" MAX. ADA = 36" MAX. (27" MIN. CLEAR KNEE SPACE).
- COUNTERTOPS (TO SINK RIM COUNTERTOP): ADA = 26" MIN. TO 34" MAX.
- WATER CLOSETS (TO TOP OF SEAT): STANDARD = 14" TO 15"; ADA (TO TOP OF SEAT) = 17" TO 19"; ADA FLUSH CONTROLS = 44" MAX.
- URINALS (TO RIM): STANDARD = 24" MAX. ADA = 17" MAX. ADA FLUSH CONTROLS = 54" MAX.
- LAVATORIES (TO SINK RIM COUNTERTOP): STANDARD = 36" MAX. ADA = 34" MAX. (29" MIN. CLEAR KNEE SPACE).
- MIRRORS (TO B.O. REFLECTIVE SURFACE): STANDARD = VARIES. ADA = 40" MAX.
- GRAB BARS - ADA (TO TOP OF BAR): WATER CLOSETS = 33" MIN. TO 38" MAX. SHOWERS = 33" MIN. TO 38" MAX. FROM B.O. SHOWER. BATH/TUBS: TOP BAR = 33" MIN. TO 38" MAX. BOT. BAR = 9" ABOVE T.O. TUB.
- SHOWER HEADS (FROM FLOOR TO HEAD): STANDARD = 72" TO 84" ADA = SPRAY UNIT W/ HOSE 60" LONG MIN. ADA = FIXED SHOWER HEAD = 48" AFF.
- SHOWER CONTROLS (TO CONTROL AREA): STANDARD = 48" MAX. (TO TOP) ADA = 38" MIN. TO 48" MAX.
- SHOWER ROD (FROM FLOOR TO C.L.): STANDARD = 78" MAX. ADA = 78" MIN. TO 84" MAX. (TO BOT. & 70" TO TOP. URINALS = 18" TO BOT. & 60" TO TOP).
- TOILET PAPER DISPENSERS (TO C.L. OF OUTLET): STANDARD = 24" ADA = 18" MIN. TO 24" MAX.
- WALL MOUNTED SOAP DISPENSERS (TO C.L. OF PUSH BUTTON): STANDARD = 40" ADA = VARIES. RE-OBSTRUCTED AND UNOBSTRUCTED REACH RANGES: ADA SIDE REACH = 46" MAX. ABOVE SINK IN COUNTER.
- PAPER TOWEL DISPENSER/WASTE RECEPTACLE (TO TOWEL SLOT): STANDARD = 40" MAX. ADA FORWARD REACH = 48" MAX. & 15" MIN. ADA SIDE REACH = 48" MAX. & 15" MIN.
- WARM AIR HAND DRYER (TO PUSH SWITCH): STANDARD = 44" MAX. ADA FORWARD REACH = 48" MAX. & 15" MIN. ADA SIDE REACH = 48" MAX. & 15" MIN.
- SANITARY NAPKIN DISPENSER (TO C.L. OF COIN SLOT): STANDARD = 40" MAX. ADA FORWARD REACH = 48" MAX. & 15" MIN. ADA SIDE REACH = 48" MAX. & 15" MIN.
- SANITARY NAPKIN DISPOSAL (TO TOP OF UNIT): STANDARD = 28" MAX. ADA = 19" MIN. TO 24" MAX. (TO OPENING).
- TOILET SEAT COVER DISPENSERS (TO OPENING): STANDARD = 40" MAX. ADA FORWARD REACH = 48" MAX. & 15" MIN. ADA SIDE REACH = 48" MAX. & 15" MIN.
- SHelves: ADA = 48" MAX.
- COAT HOOKS: STANDARD = 68" ADA = 48" MAX.
- CHALKBOARDS, FACKBOARDS & MARKERBOARDS: STANDARD = 32" TO 38" (TO B.O. BOARD OR CHALKTRAY). STANDARD = 80" (RECOMMENDED). (TO T.O. BOARD).
- THERMOSTATS & CONTROL DEVICES (TO TOP): ADA FORWARD REACH = 48" MAX. ADA SIDE REACH = 48" MAX.
- LIGHT SWITCHES & CARD READERS (TO C.L.): LOCATE 6" FROM DOOR JAMB. ADA = 48" MAX.
- CONVENIENCE RECEPTACLES - ELECTRICAL/ TELEPHONE/ DATA (TO C.L.): STANDARD = 18" ADA = 15" MIN.
- EXIT LIGHTS: WALL MOUNTED 2" MIN. BELOW CEILING 2" MIN. ABOVE DOOR FRAME. EQUAL SPACE FROM CEILING TO TOP OF FRAME.
- FIRE EXTINGUISHERS (TO TOP U.N.O.): GROSS WT. 40 LBS. OR LESS = 60" MAX. GROSS WT. MORE THAN 40 LBS. = 42" MAX. ADA = 40" MAX. (B.O. CABINET).
- FIRE ALARM PULL STATIONS (TO LEVER): STANDARD = 48" MAX. ADA FORWARD REACH = 48" MAX. ADA SIDE REACH = 48" MAX. CEILING HEIGHT.
- SMOKE AND/OR HEAT DETECTORS: STANDARD = CEILING HEIGHT.
- HORN/ SPEAKER VISUAL SIGNALS: STANDARD = 80" AFF. OR 6" BELOW CEILING - WHICHEVER IS LOWER.
- ROOM SIGNAGE (TO C.L.): STANDARD = 60" HIGH AFF. & WITHIN 18" OF LATCH SIDE OF DOOR.



PERMIT SET

HOOK FARMS
SW 26TH TERRACE & SW PRYOR RD
LEE'S SUMMIT, MO

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REVISION DATES:



10/19/2021
PROFESSIONAL SEAL
G002
ISSUE DATE: 18 OCTOBER 2021
COLLINS WEBB #: 20032

MISCELLANEOUS ACCESSORY TYPICAL MOUNTING HEIGHTS

ACCESSORY TYPE	FINISH FLOOR	COMMENTS
FIRE EXTINGUISHER CABINET	5'-0" TO TOP OF CABINET INTERIOR	SEMI RECESSED
MANUAL FIRE PULL	4'-0" MAX TO TOP	SURFACE MOUNTED
FIRE STROBE/LIGHT/AUDIBLE ALARM	7'-0" TO CEILING	SURFACE MOUNTED
WALL MOUNTED EXIT SIGN	CENTER 2" ABOVE DOOR FRAME WHEN DIM ABOVE DOOR HEAD IS >= 12"	WALL MOUNTED
WALL MOUNTED HANDRAIL	SEE PLAN OR ELEV	SURFACE MOUNTED
WALL CLOCK	SEE PLAN OR ELEV	SURFACE MOUNTED
FABRIC COVERED TACK BOARD	SEE PLAN OR ELEV	SURFACE MOUNTED
MARKER BOARD	SEE PLAN OR ELEV	SURFACE MOUNTED
MOP & BROOM HOLDER	4'-0" U.N.O.	SURFACE MOUNTED
ROBE HOOK	4'-0" U.N.O.	SURFACE MOUNTED
ELAPSED TIME CLOCK	4'-0" U.N.O.	SURFACE MOUNTED
SOAP DISPENSER	4'-0" U.N.O.	SURFACE MOUNTED
PAPER TOWEL DISPENSER	4'-0" U.N.O.	SURFACE MOUNTED
ALCOHOL DISPENSER	4'-0" U.N.O.	SURFACE MOUNTED

TOILET ACCESSORY TYPICAL MOUNTING HEIGHTS

ACCESSORY TYPE	FINISH FLOOR	COMMENTS
PAPER TOWEL DISPENSER	4'-0" U.N.O.	SURFACE MOUNTED
POWER HAND DRYER	4'-0" U.N.O.	SURFACE MOUNTED
PAPER TOWEL DISPENSER & TRASH RECEPTACLE	4'-0" U.N.O.	SEMI RECESSED
TOILET TISSUE DISPENSER	4'-0" U.N.O.	SURFACE MOUNTED
SANITARY NAPKIN DISPOSAL	4'-0" U.N.O.	SURFACE MOUNTED
SANITARY NAPKIN DISPENSER	4'-0" U.N.O.	RECESSED & SURFACE
FRAMED VANITY MIRROR	4'-0" U.N.O.	SURFACE MOUNTED
DIAPER CHANGING STATION	4'-0" U.N.O.	SURFACE MOUNTED
SOAP DISPENSER	4'-0" U.N.O.	COUNTERTOP MOUNTED
FOLDING SHOWER SEAT	4'-0" U.N.O.	SURFACE MOUNTED
TOILET PARTITION	4'-0" U.N.O.	WALL MOUNTED
URINAL SCREEN	4'-0" U.N.O.	WALL MOUNTED

MISCELLANEOUS ACCESSORY TYPICAL MOUNTING HEIGHTS

ACCESSORY TYPE	FINISH FLOOR	COMMENTS
CLOSET HANGAR ROD & SHELF	8'-0" U.N.O.	WALL MOUNTED
WALL PHONE	4'-0" U.N.O.	SURFACE MOUNTED
TELEPHONE HUSING	4'-0" U.N.O.	SURFACE MOUNTED
CUP DISPENSER	4'-0" U.N.O.	SURFACE MOUNTED
WALL SWITCH	4'-0" U.N.O.	SURFACE MOUNTED
TELEPHONE OUTLET	4'-0" U.N.O.	SURFACE MOUNTED
RECEPTACLE/ TELEPHONE/ DATA	4'-0" U.N.O.	SURFACE MOUNTED
RECEPTACLE/ TELEPHONE/ DATA	4'-0" U.N.O.	SURFACE MOUNTED
SPECIALTY EQUIP (IE. THERMOSTAT CARD READER, INTERCOM)	4'-0" U.N.O.	SURFACE MOUNTED
ELEVATOR CALL BUTTON	35"-48"	SURFACE MOUNTED
ELEVATOR VISIBLE SIGNAL INDICATOR	6'-0"	SURFACE MOUNTED
TACTILE CHARACTER INDICATOR	4'-0"	SURFACE MOUNTED
PANIC BAR	4'-0"	SURFACE MOUNTED
DOOR PULL	3'-4" U.N.O.	SURFACE MOUNTED
DOOR LATCH	3'-4" U.N.O.	SURFACE MOUNTED
ADA DOOR OPERATOR	3'-4"	VARIES

PLUMBING FIXTURE TYPICAL MOUNTING HEIGHTS

ACCESSORY TYPE	FINISH FLOOR	COMMENTS
SHOWER MIXING VALVE	3'-4" U.N.O.	WALL MOUNTED
SHOWER HEAD	6'-6" U.N.O.	WALL MOUNTED
HAND HELD SHOWER	6'-6" U.N.O.	WALL MOUNTED
LAVATORY	2'-10"	WALL MOUNTED
LAVATORY	2'-10"	COUNTER MOUNTED
CHILDREN'S DRINKING FOUNTAIN	2'-0" MAX TO SPOUT	WALL MOUNTED
SINGLE DRINKING FOUNTAIN	3'-0" TO SPOUT	WALL MOUNTED
DOUBLE DRINKING FOUNTAIN	3'-0" TO SPOUT	WALL MOUNTED
TOILET	17" MAX AT ACCESSIBLE	WALL/FLOOR MOUNTED
URINAL	2'-0" TYP	WALL MOUNTED

HEALTHCARE ACCESSORY TYPICAL MOUNTING HEIGHTS

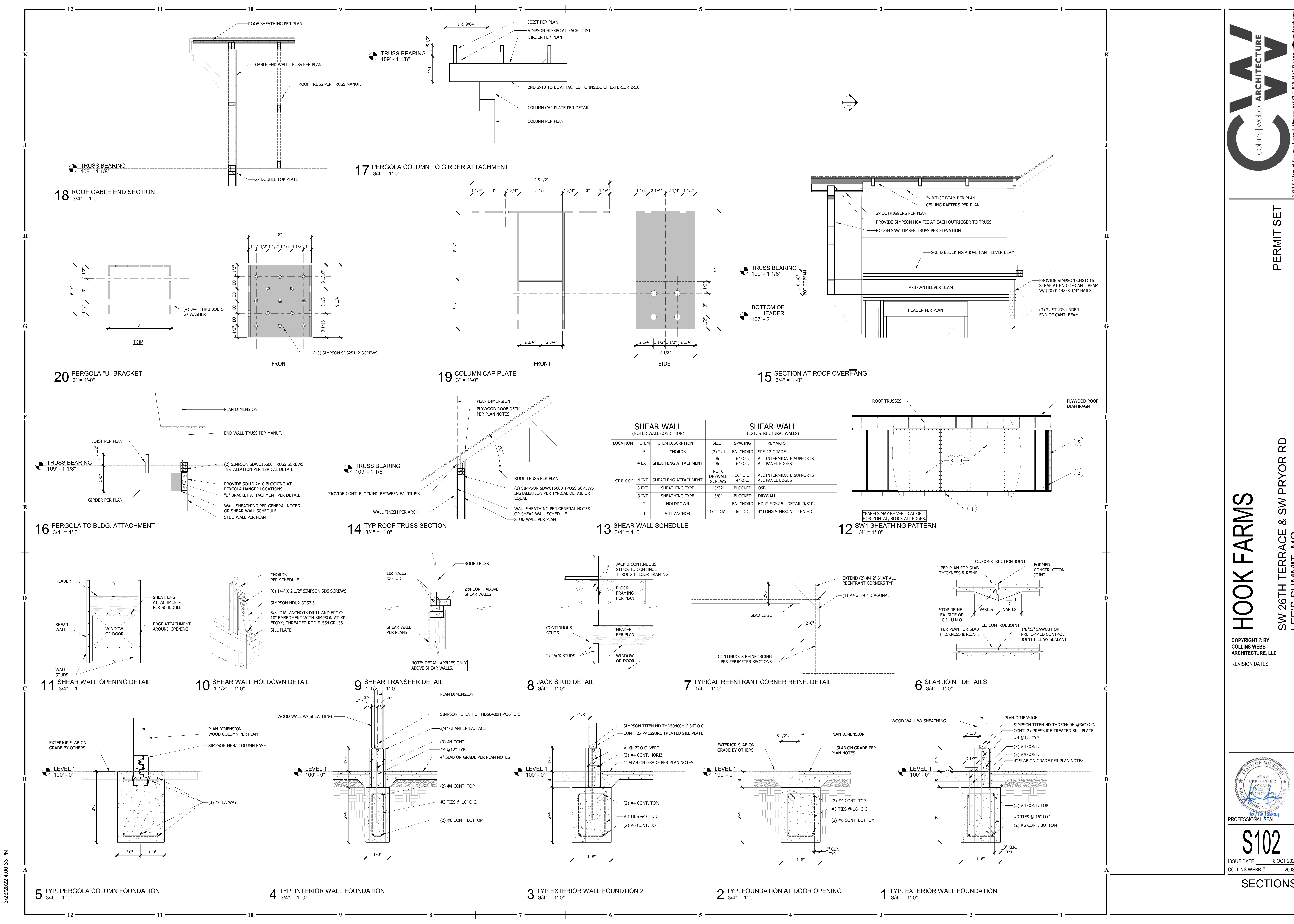
ACCESSORY TYPE	FINISH FLOOR	COMMENTS
CLINIC SINK	2'-0" U.N.O.	WALL MOUNTED
SHARPS CONTAINER	4'-0" U.N.O.	SURFACE MOUNTED
FILM ILLUMINATOR	5'-0" U.N.O.	SURFACE MOUNTED
SPECIMEN PASS-THRU	3'-4" U.N.O.	THRU-WALL MOUNTED
OTOSCOPE	4'-0" U.N.O.	SURFACE MOUNTED
SPHYGMOMAN-METER	4'-0" U.N.O.	SURFACE MOUNTED
GLOVE BOX	4'-0" U.N.O. TO OPENING	SURFACE MOUNTED
MED-GAS SHUT-OFF	4'-0" U.N.O.	SURFACE MOUNTED
WALL HUNG COMPUTER	2'-0" U.N.O.	SURFACE MOUNTED

GRAB BAR TYPICAL MOUNTING HEIGHTS & TOILET ACCESSORY PLANS

ACCESSORY TYPE	FINISH FLOOR	COMMENTS
ADA TOILET GRAB BAR	3'-0"	SURFACE MOUNTED
SHOWER STALL GRAB BAR	3'-0"	SURFACE MOUNTED
ROLL-IN SHOWER GRAB BAR	3'-0"	SURFACE MOUNTED
TYPICAL ACCESSORIES AT ACCESSIBLE TOILET	3'-0"	NOTE: SANITARY NAPKIN DISPOSAL AT WOMEN'S & UNISEX ONLY
TYPICAL ADA SINK ENCLOSURE PANEL CLEARANCE	2'-0"	

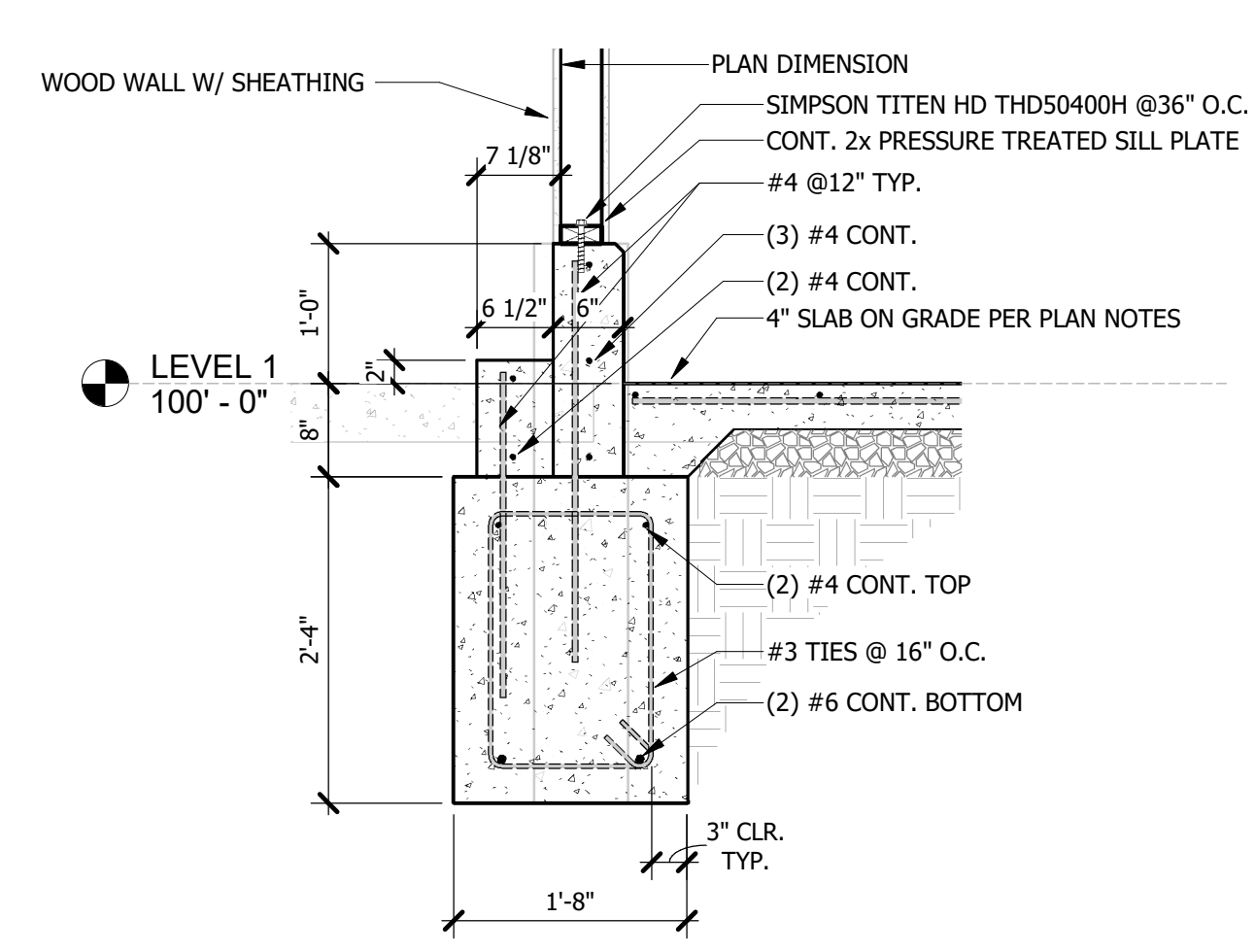
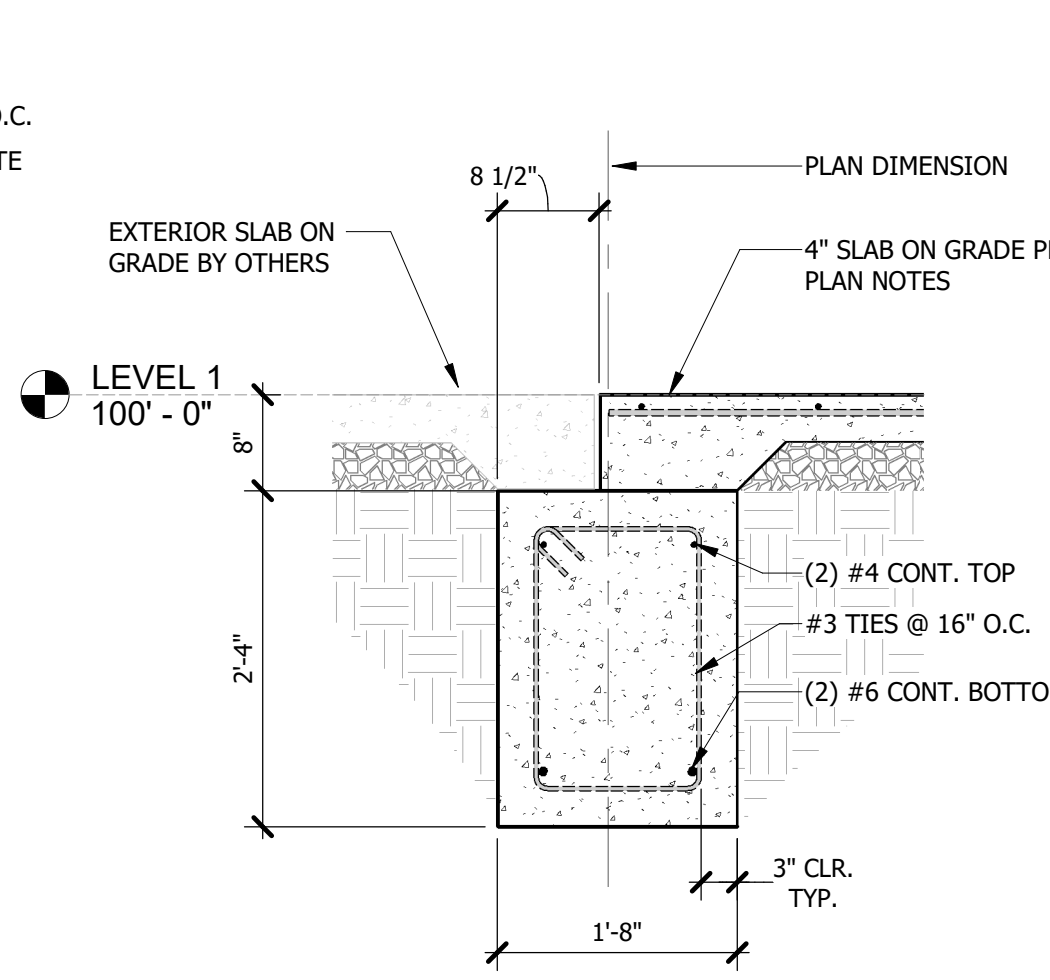
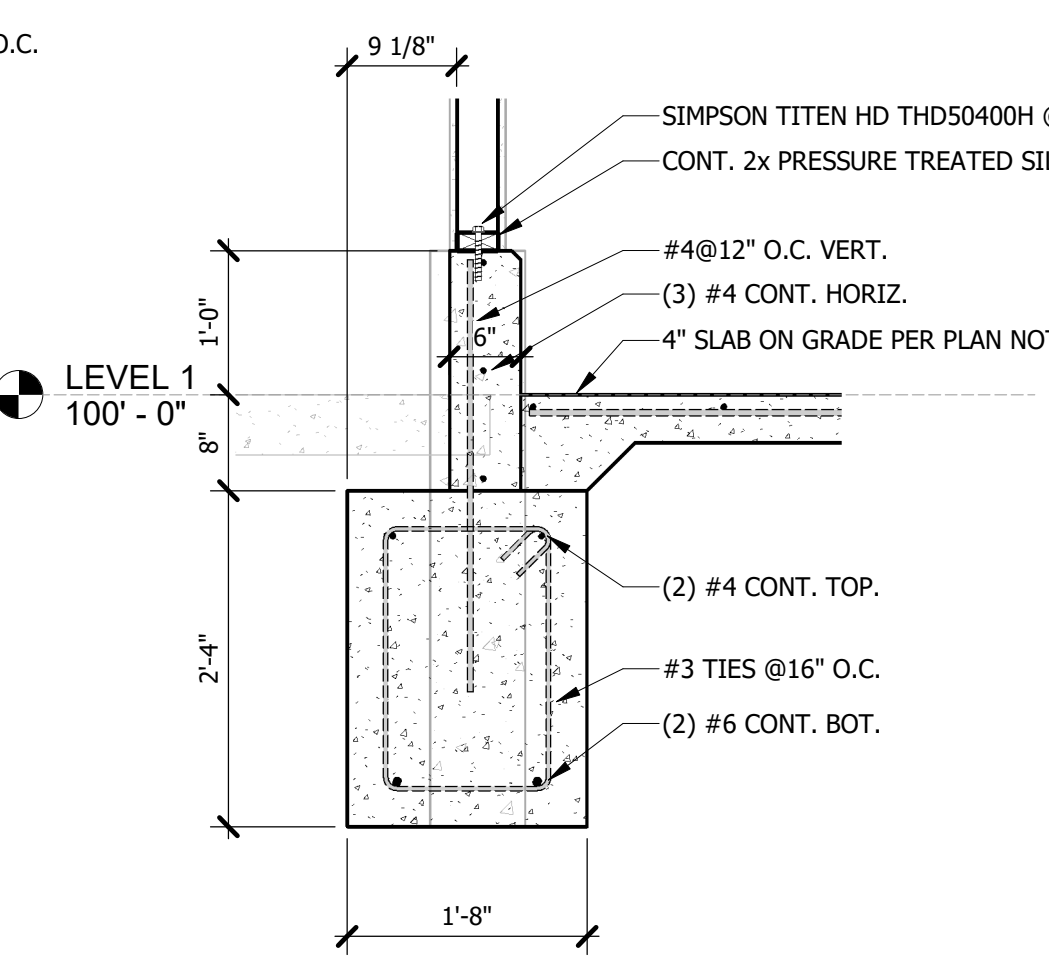
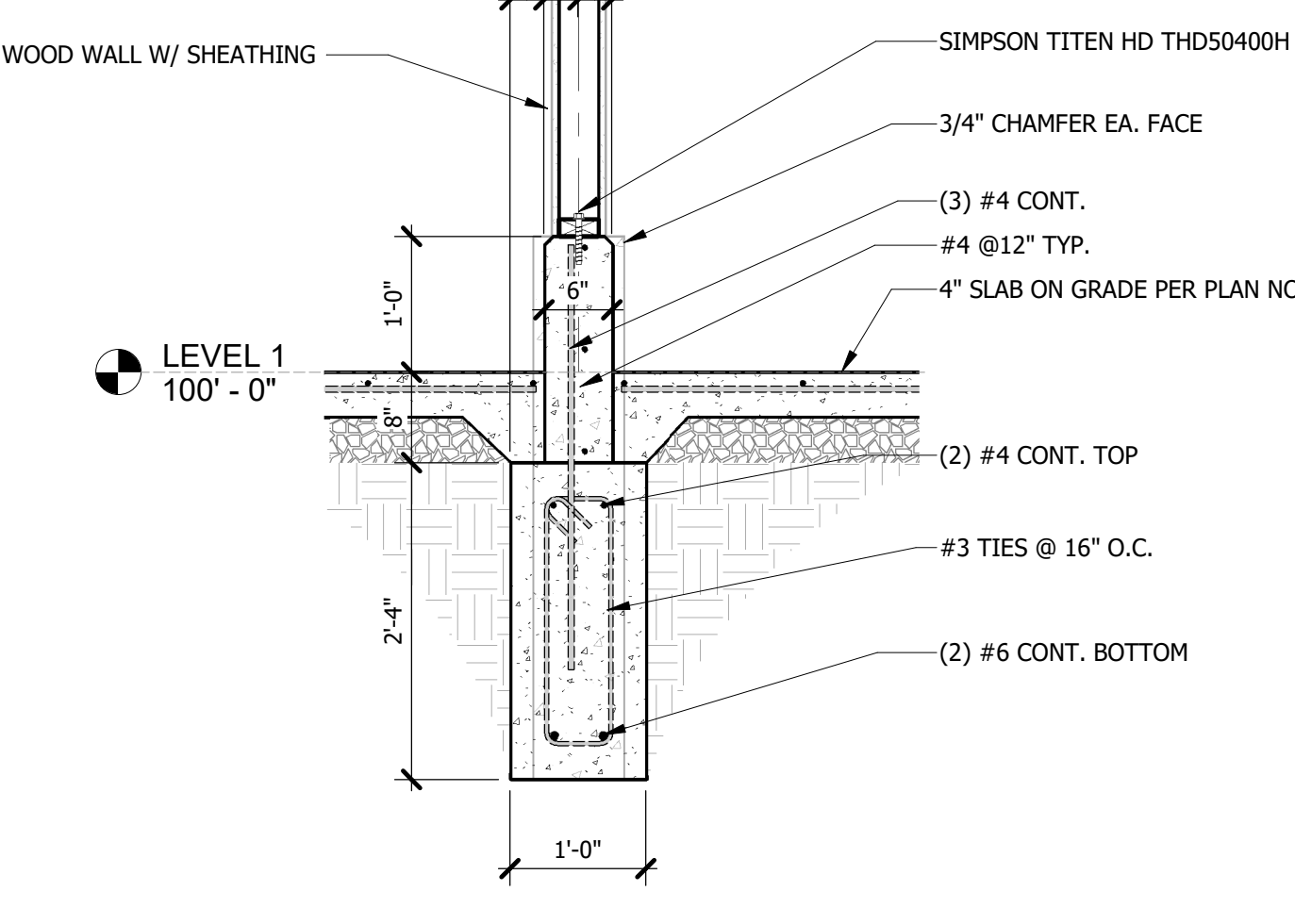
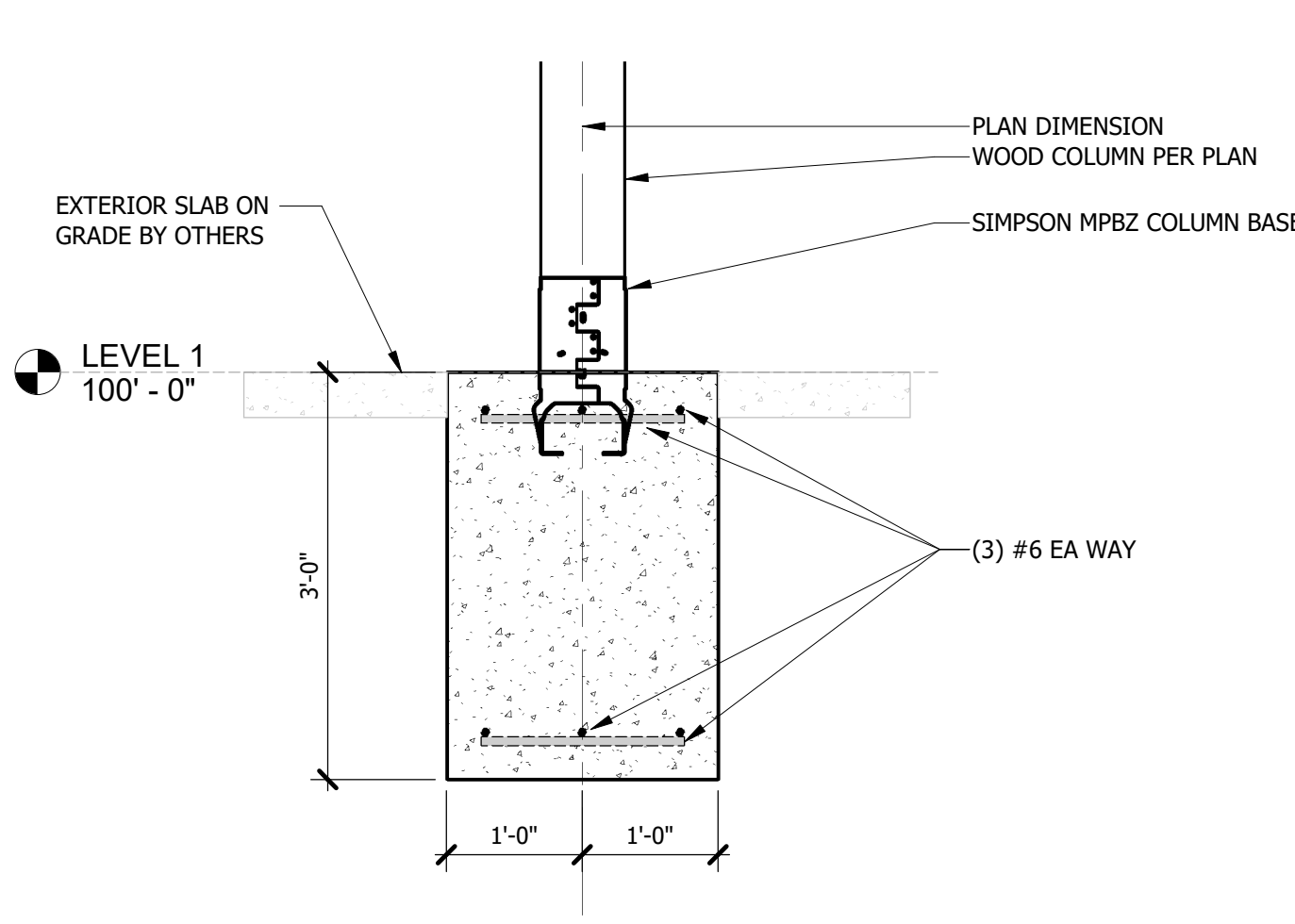
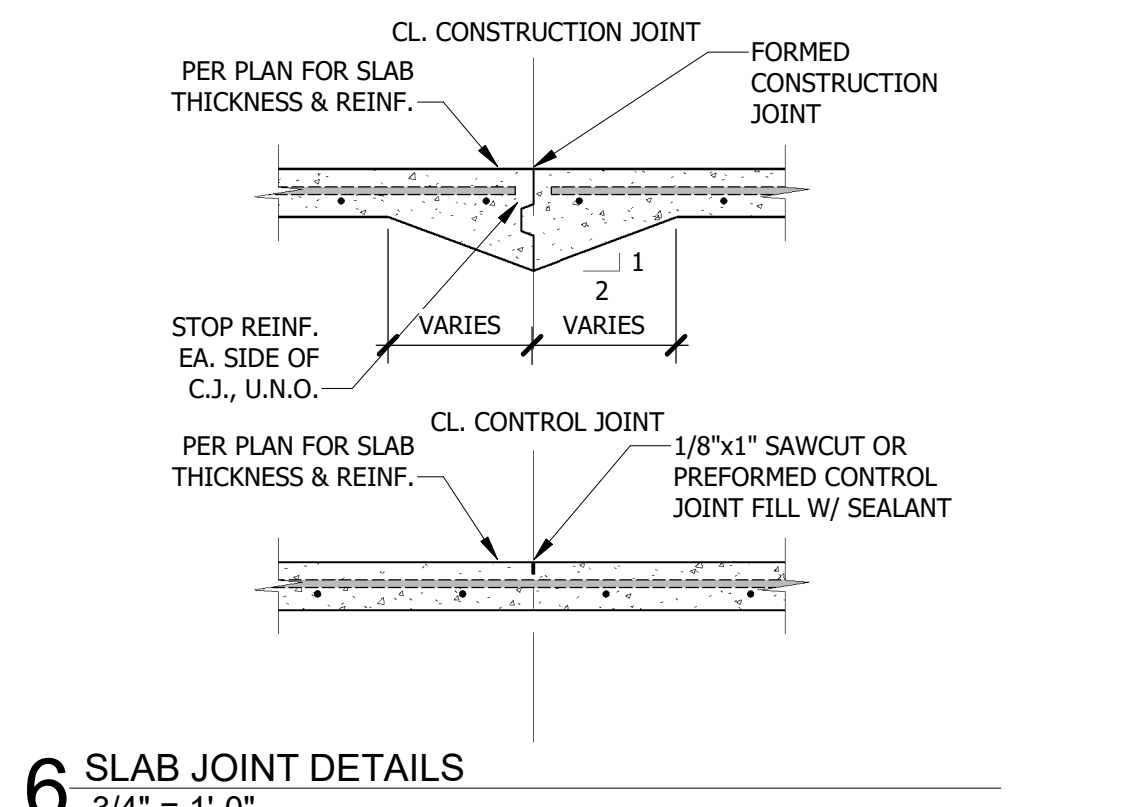
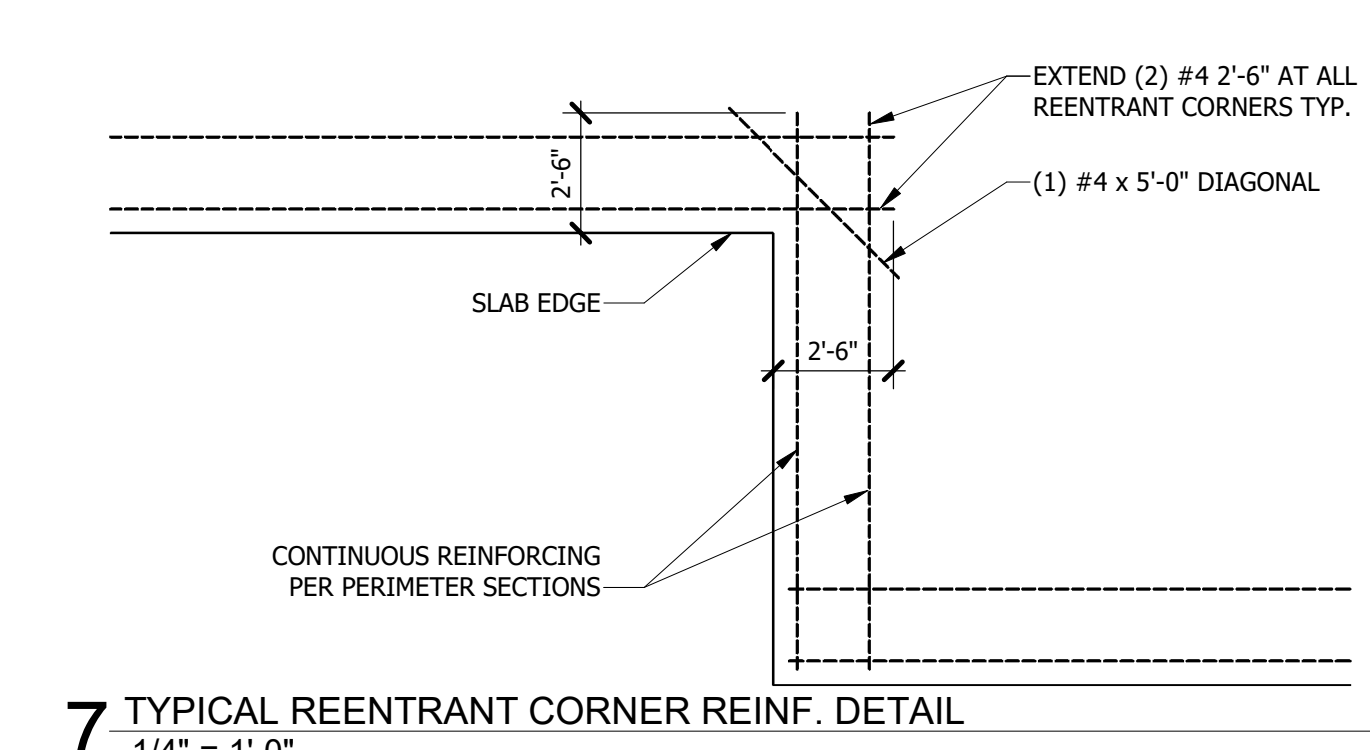
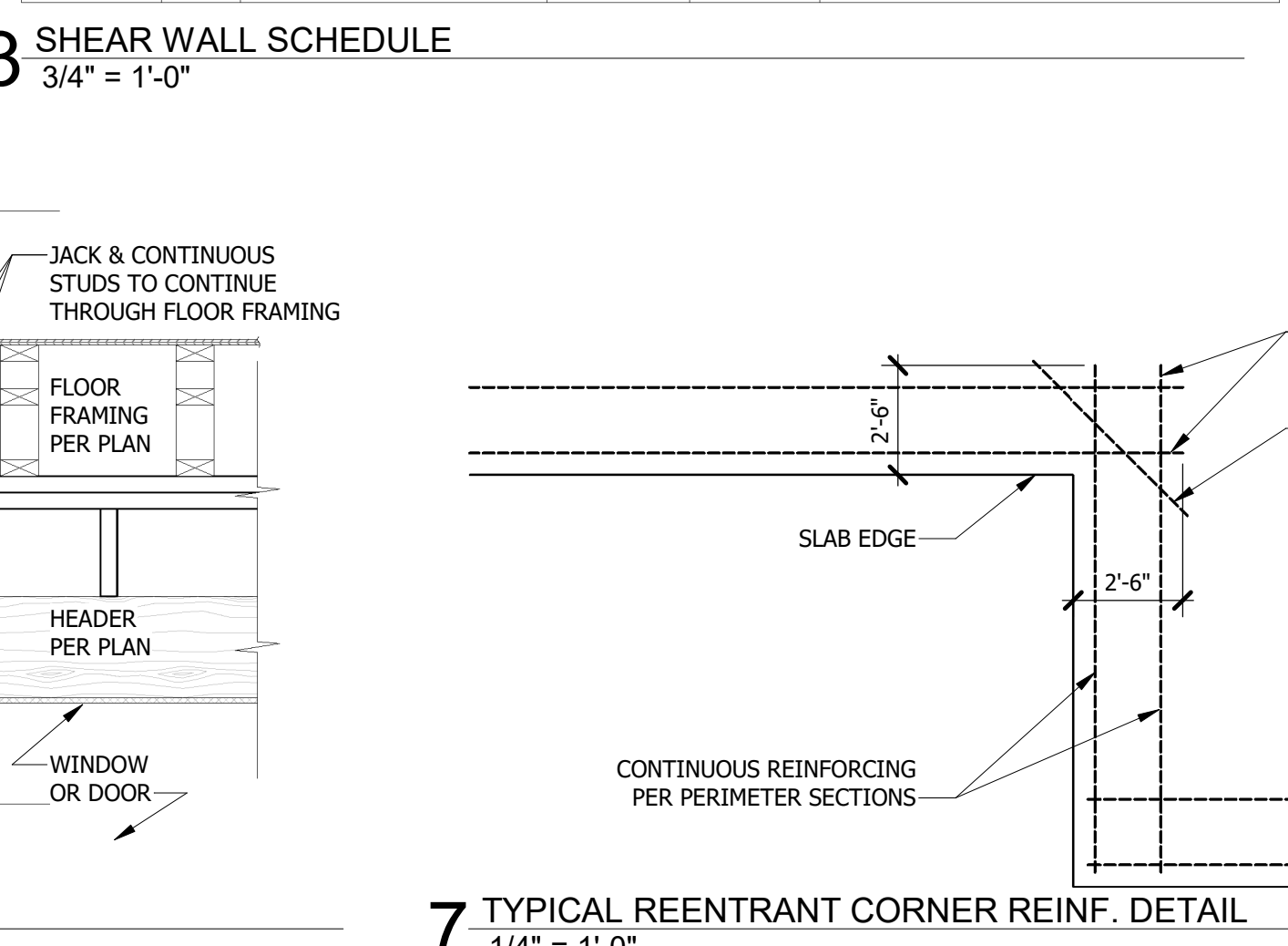
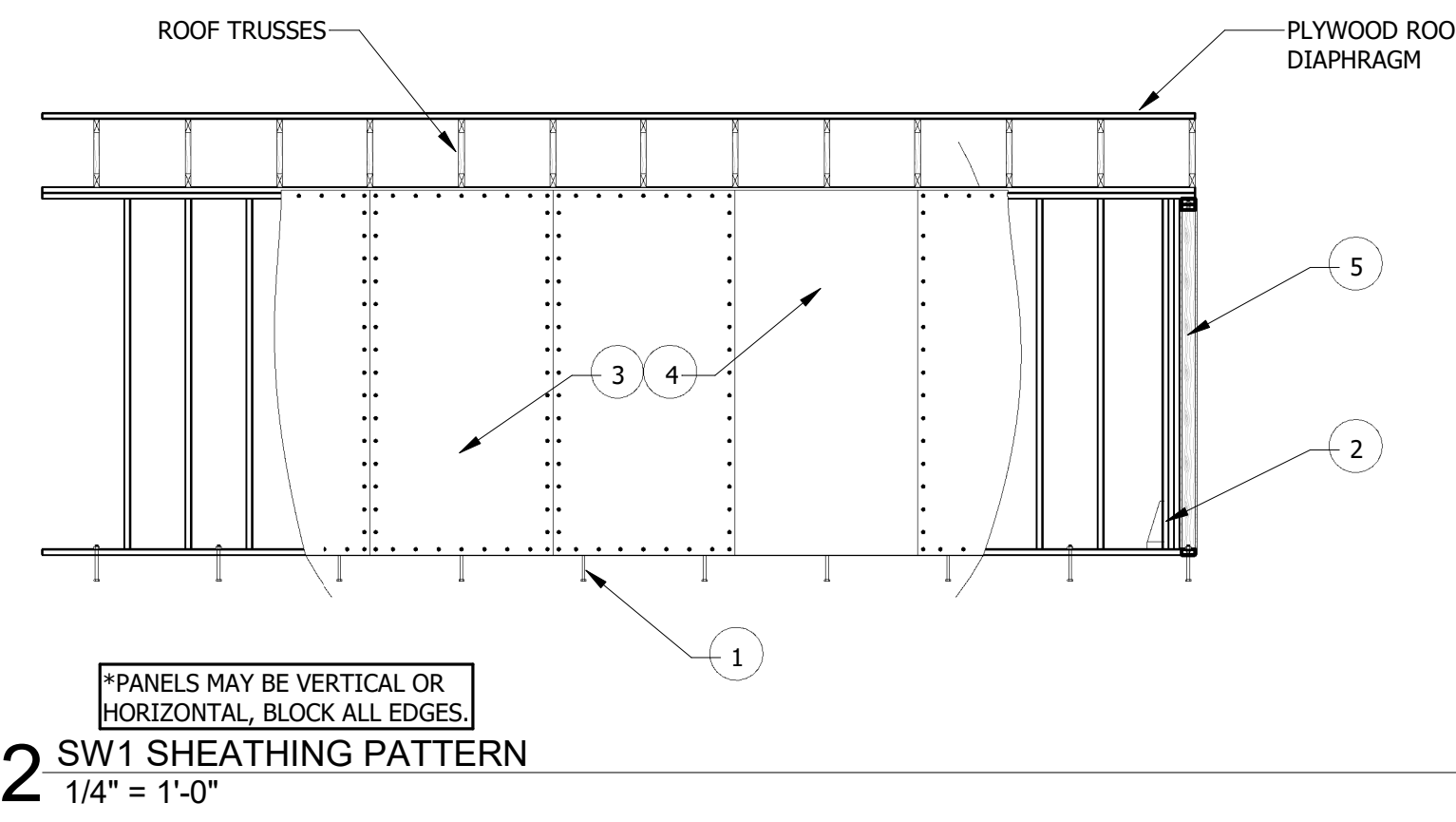
A11 TYP. MOUNTING HEIGHTS
1/4" = 1'-0"

ACCESSIBILITY GUIDELINES

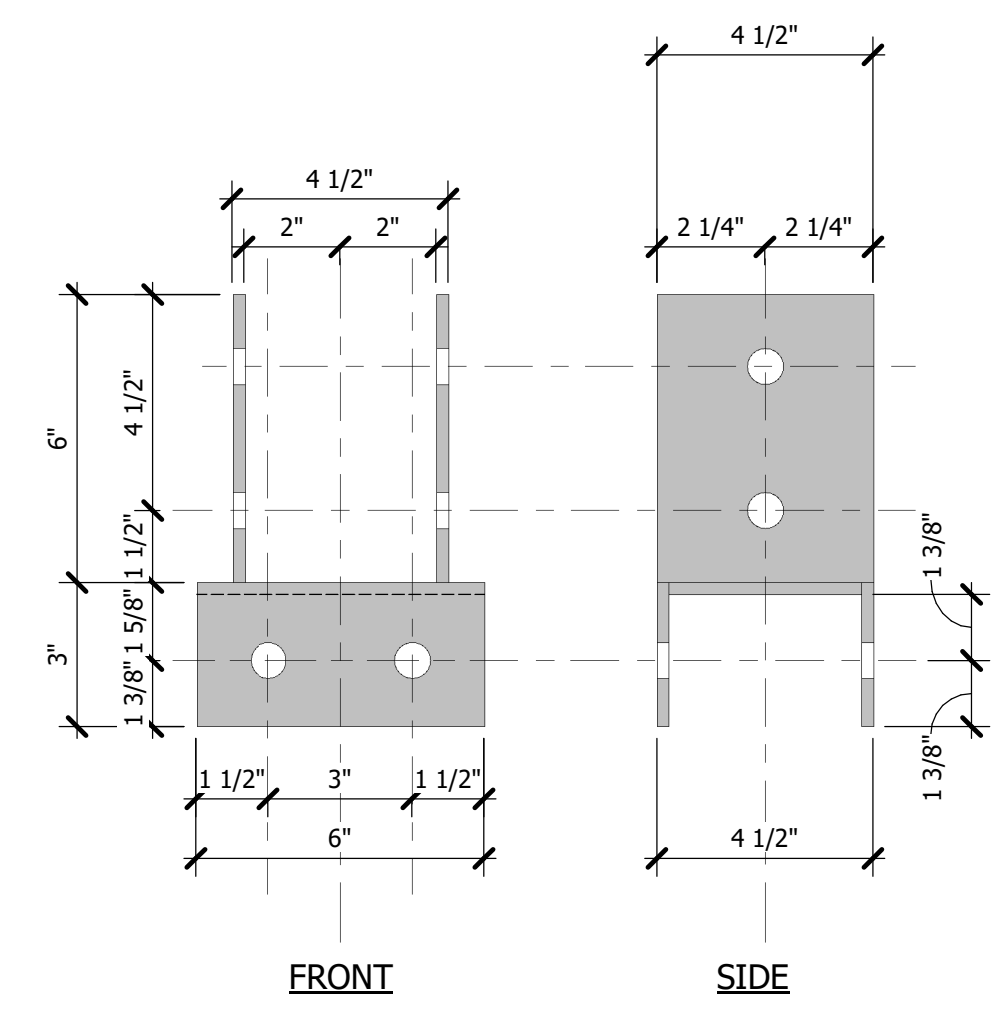


13 SHEAR WALL SCHEDULE
 3/4" = 1'-0"

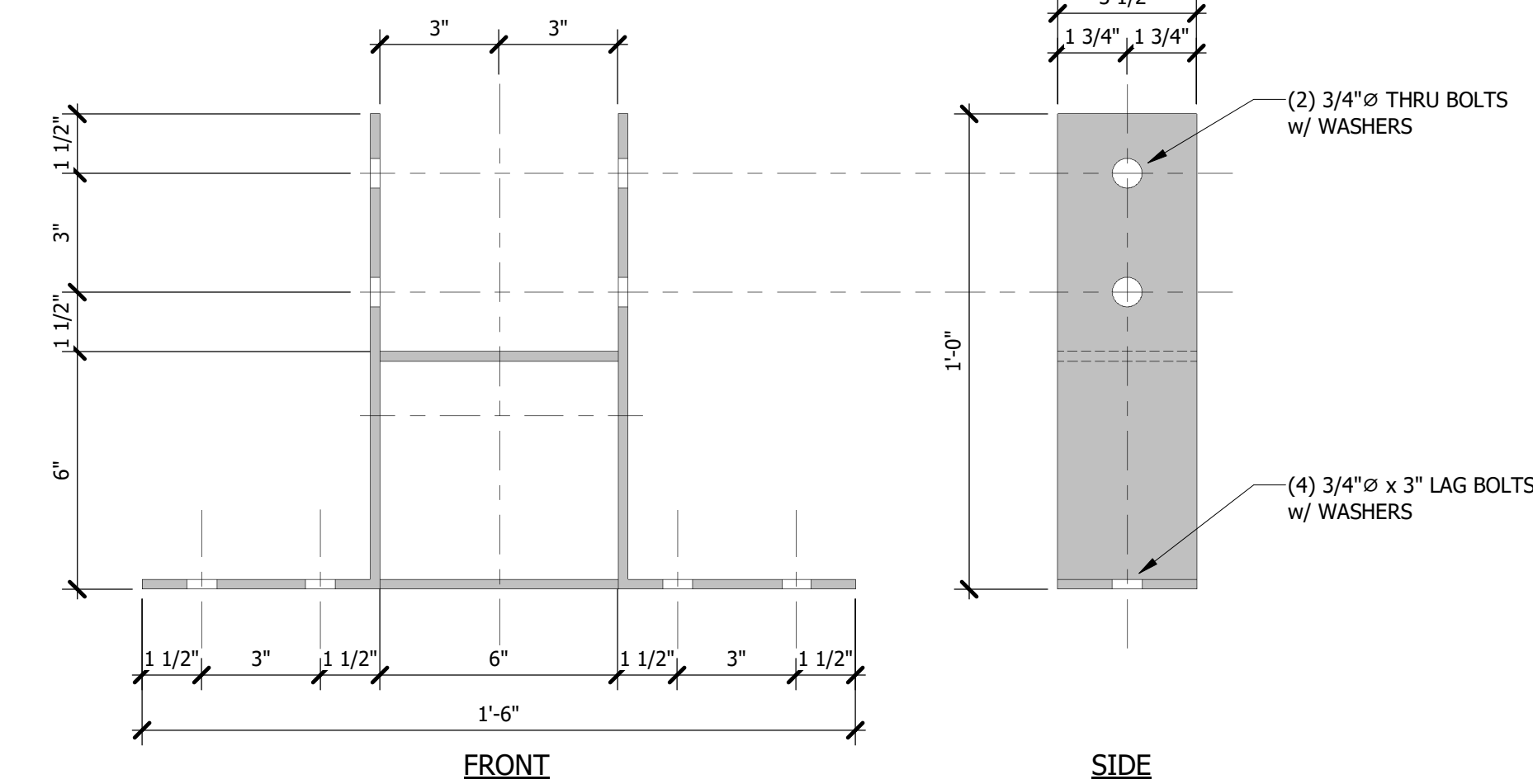
SHEAR WALL (NOTED WALL CONDITION)		SHEAR WALL (EXT. STRUCTURAL WALLS)		REMARKS	
LOCATION	ITEM	ITEM DESCRIPTION	SIZE	SPACING	REMARKS
1ST FLOOR	5	CHORDS	(2) 2x4	EA. CHORD	SPF #2 GRADE
	4 EXT.	SHEATHING ATTACHMENT	8d 8d	6" O.C. 6" O.C.	ALL INTERMEDIATE SUPPORTS ALL PANEL EDGES
2ND FLOOR	4 INT.	SHEATHING ATTACHMENT	NO. 6 DRYWALL SCREWS	16" O.C. 4" O.C.	ALL INTERMEDIATE SUPPORTS ALL PANEL EDGES
	3 EXT.	SHEATHING TYPE	15/32"	BLOCKED	OSB
	2 INT.	SHEATHING TYPE	5/8"	BLOCKED	DRYWALL
3RD FLOOR	2	HOLDDOWN	-	EA. CHORD	HDU2-SDS2.5 - DETAIL 9/S102
	1	SILL ANCHOR	1/2" DIA.	36" O.C.	4" LONG SIMPSON TITEN HD



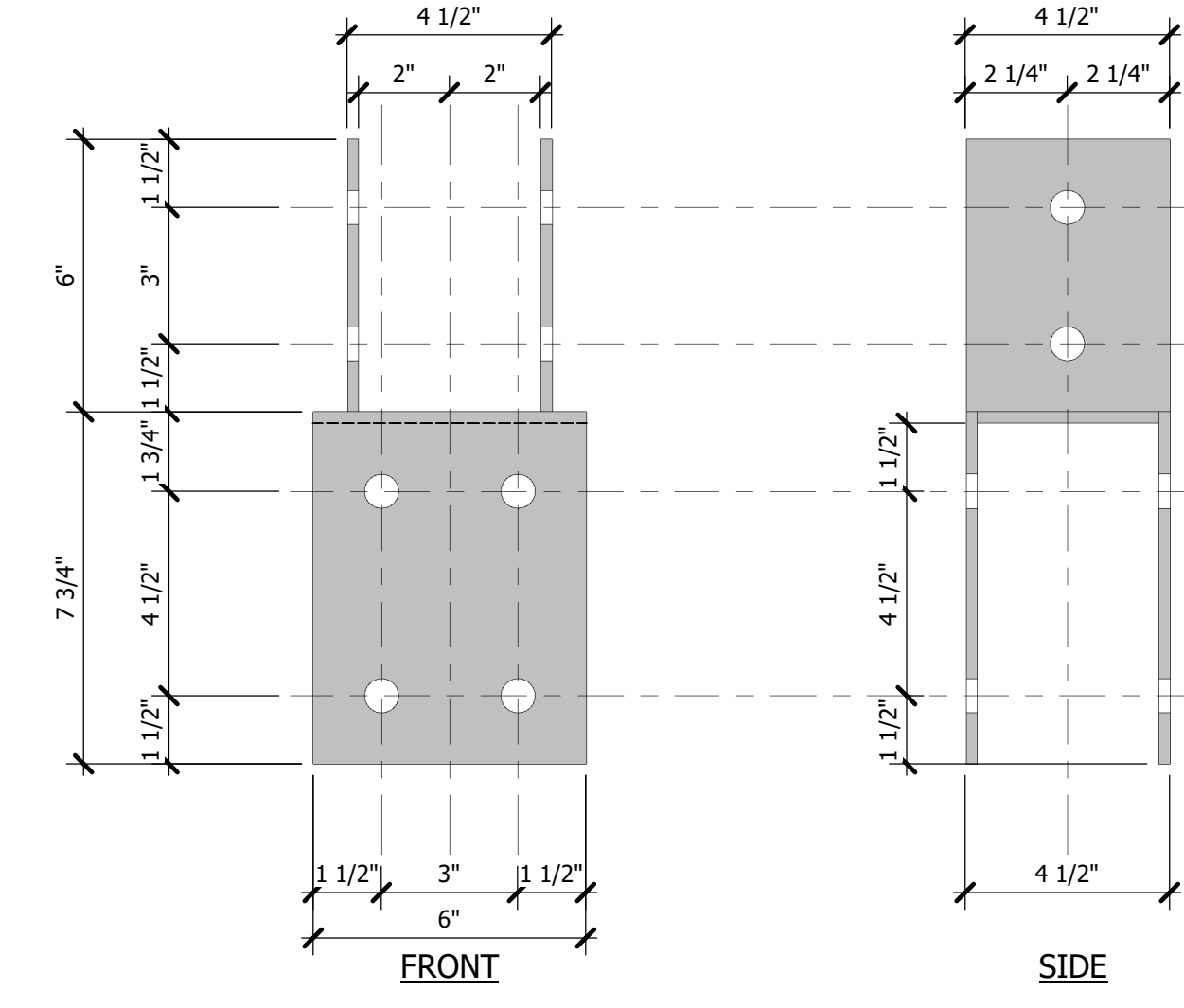
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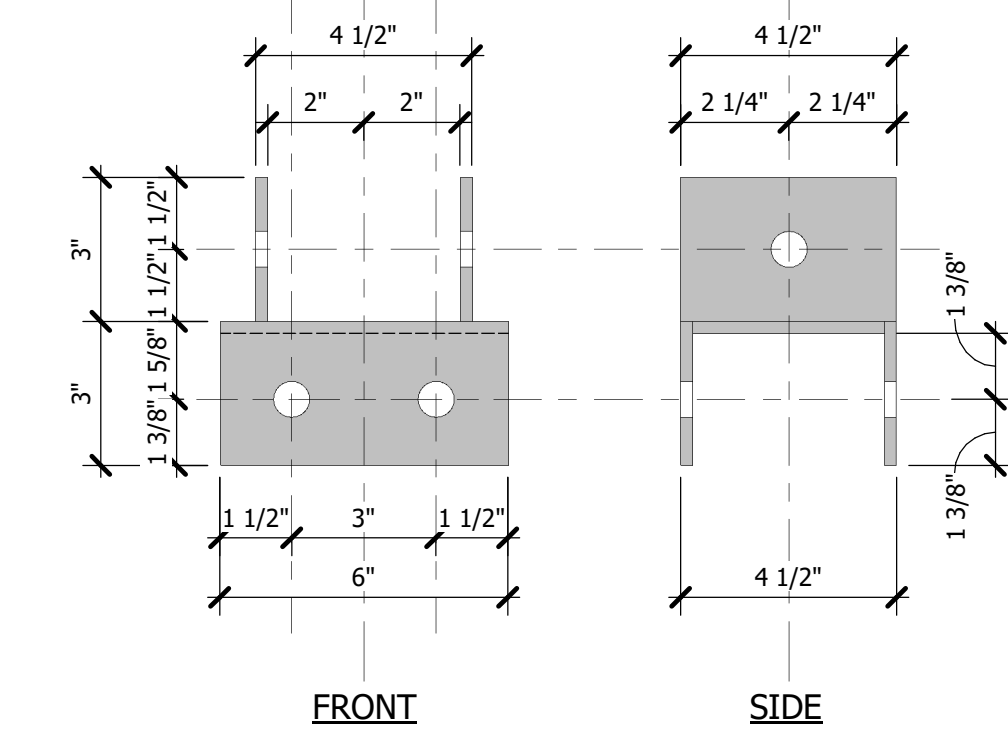
7 TRUSS PLATE C
 3' = 1'-0"



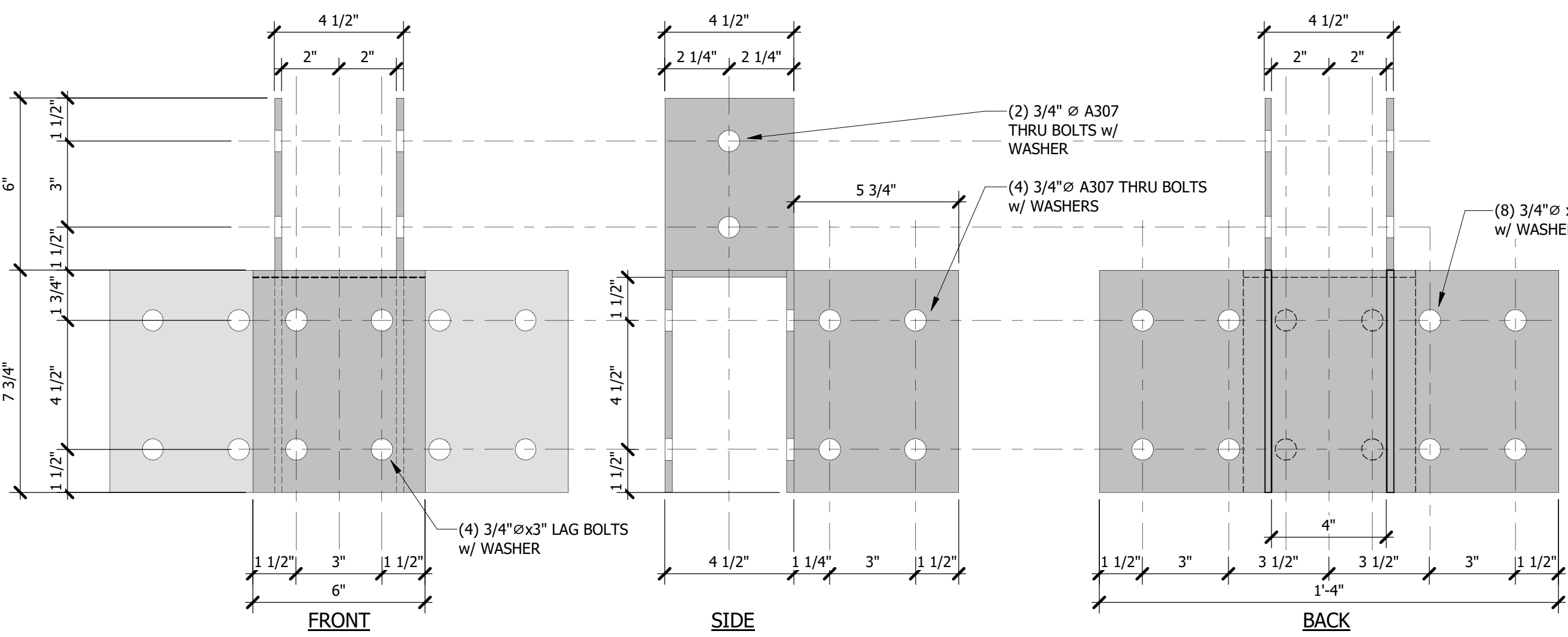
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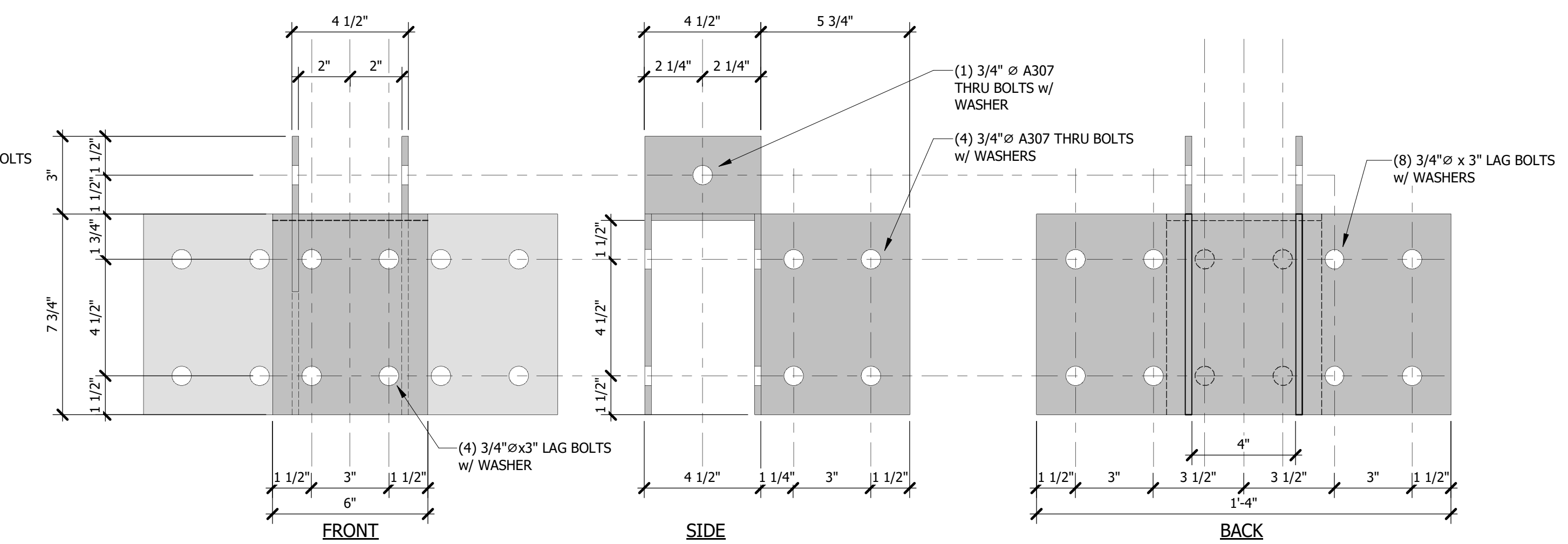
9 TRUSS PLATE E
 3' = 1'-0"



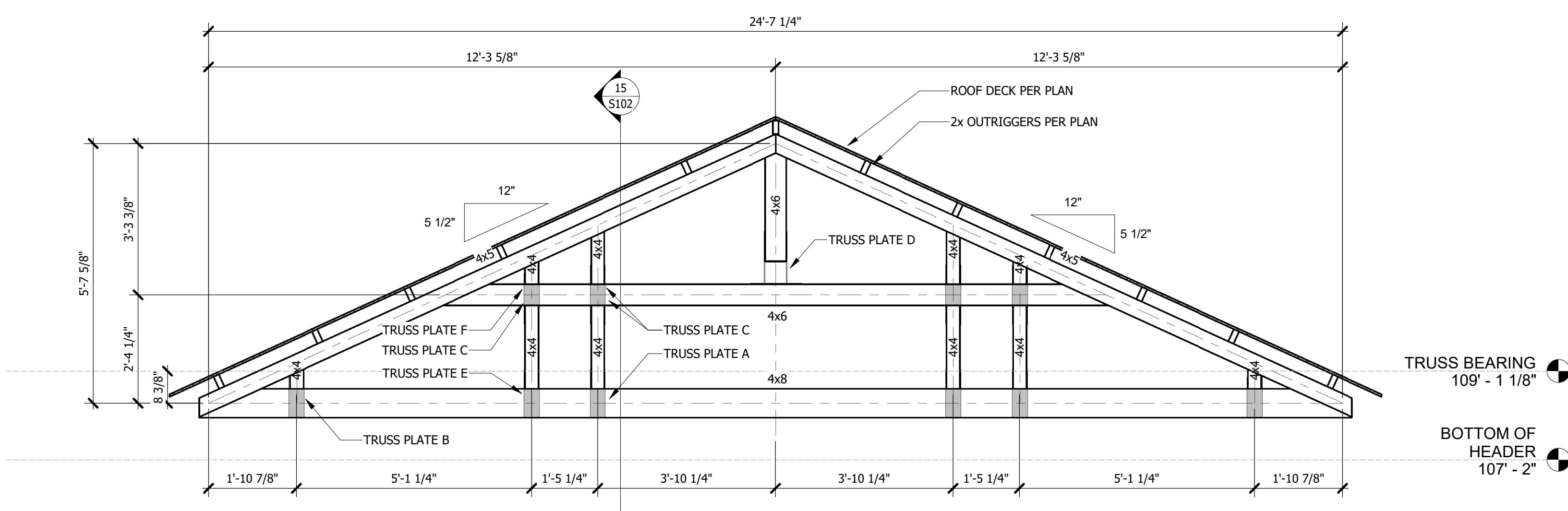
10 TRUSS PLATE F
 3' = 1'-0"



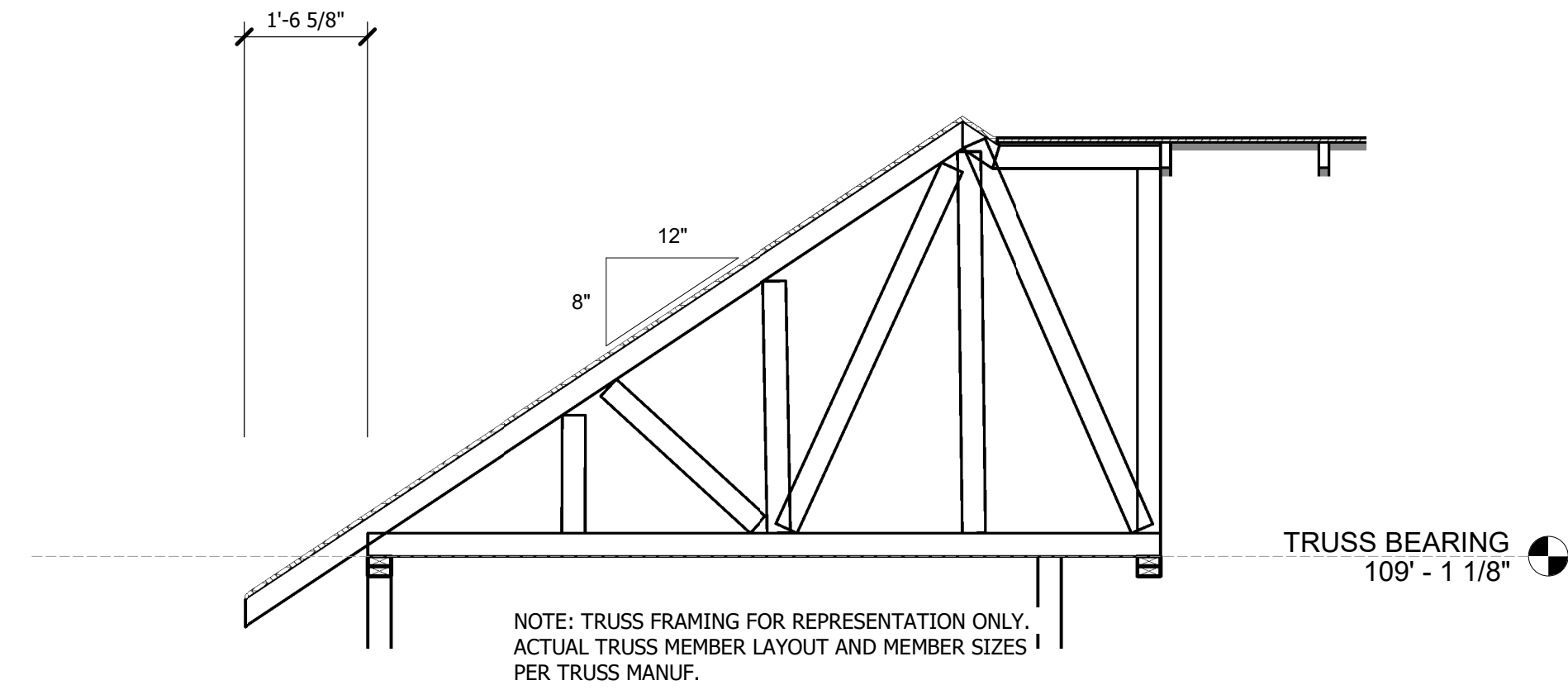
5 TRUSS PLATE A
 3' = 1'-0"



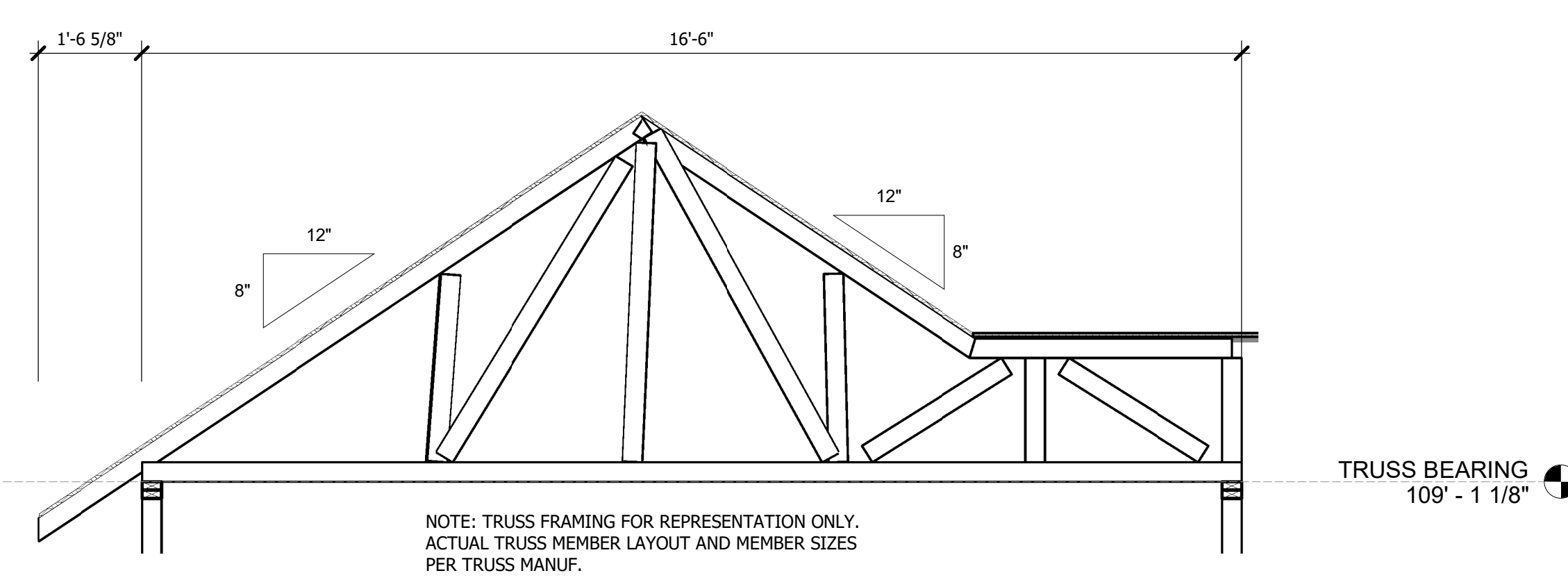
6 TRUSS PLATE B
 3' = 1'-0"



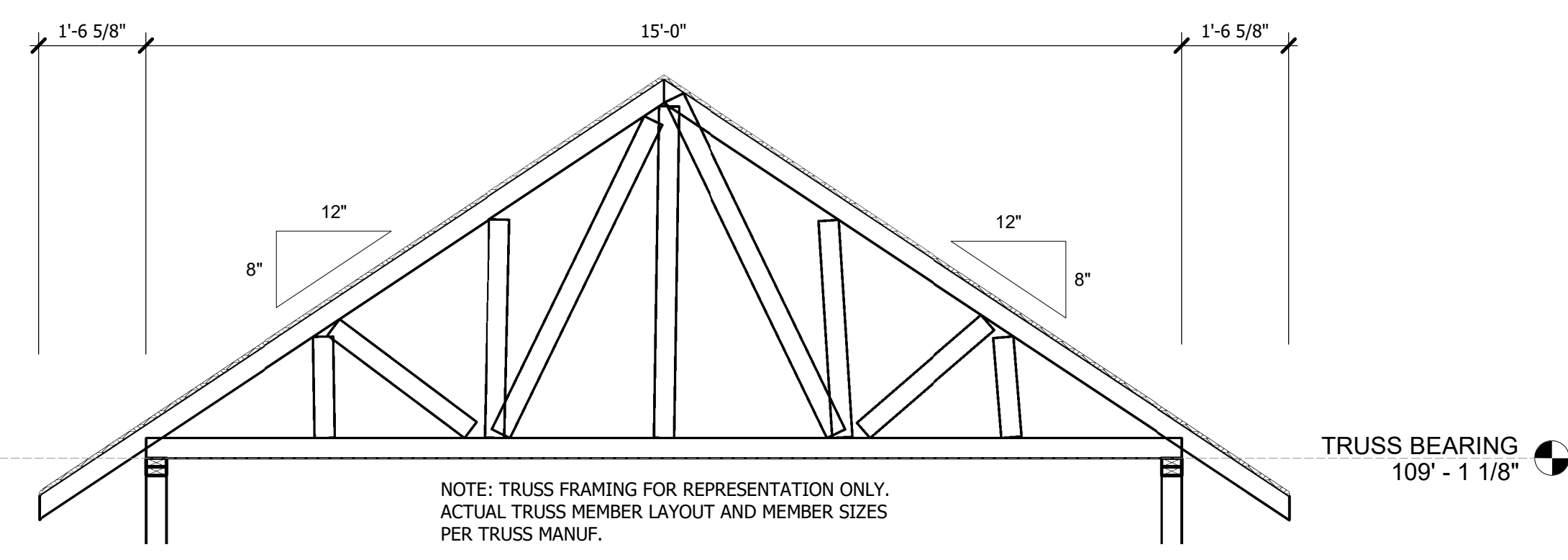
4 ROUGH SAW TIMBER TRUSS ELEVATION
 1/2" = 1'-0"



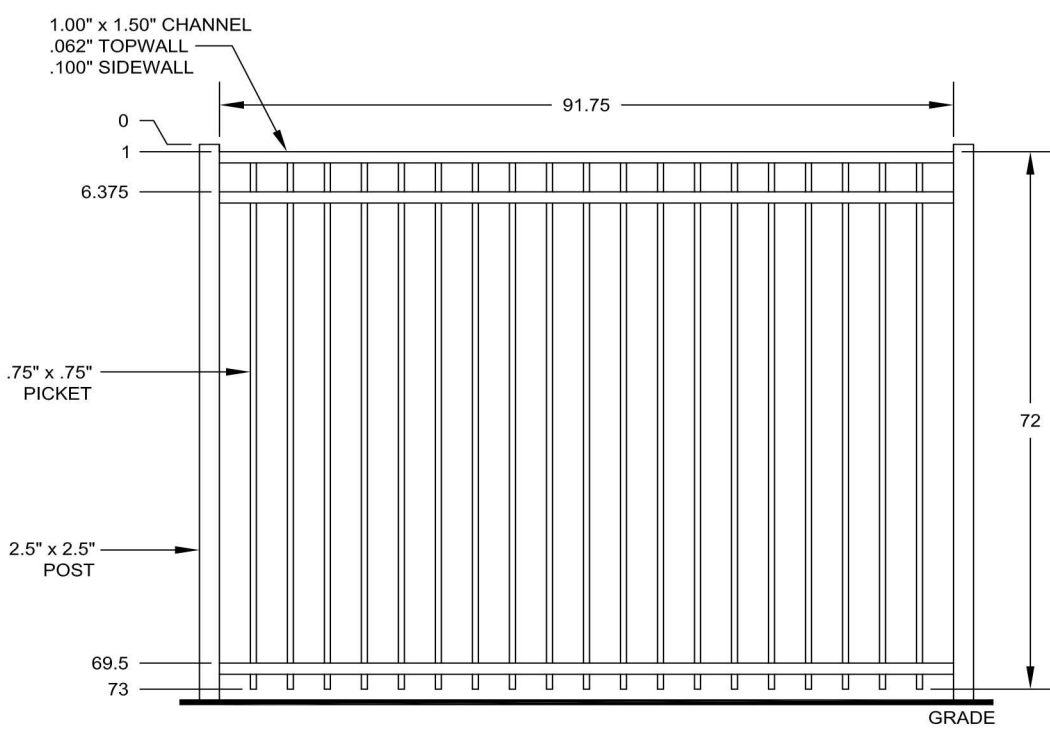
3 TRUSS TYPE C
 1/2" = 1'-0"



2 TRUSS TYPE B
 1/2" = 1'-0"



1 TRUSS TYPE A
 1/2" = 1'-0"

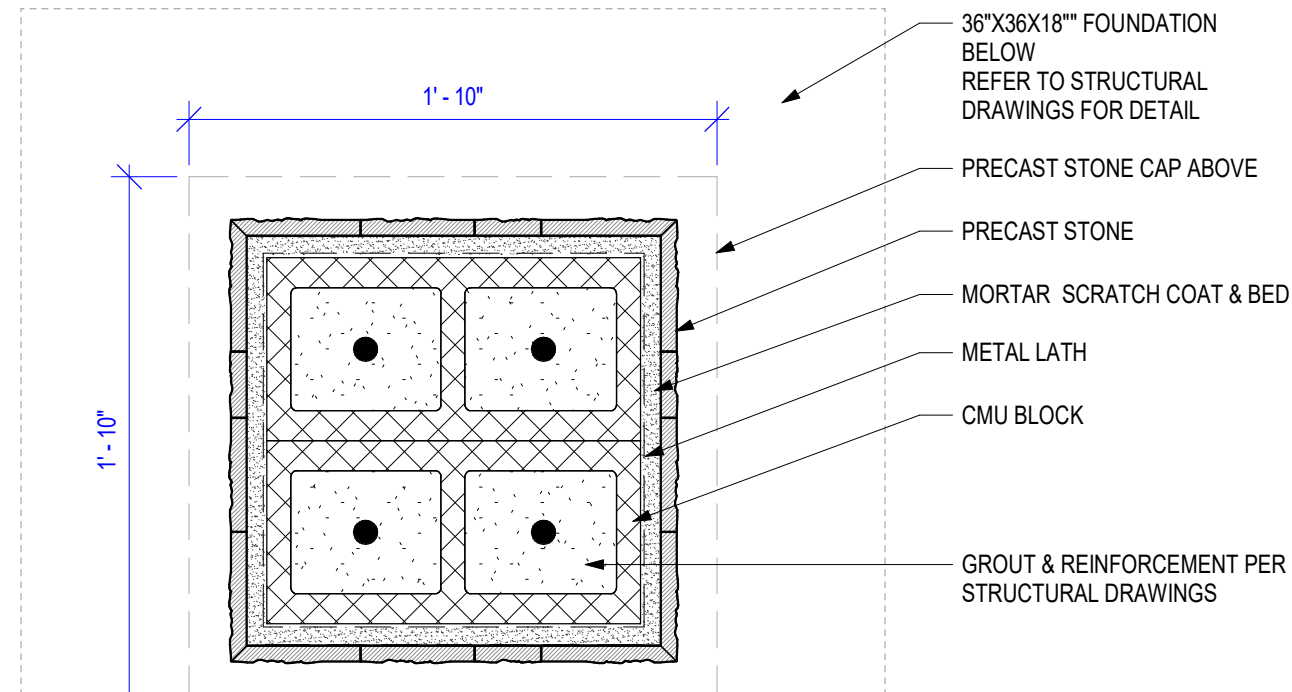


BASIS OF DESIGN: BARRETTE OUTDOOR LIVING
91.75\"/>

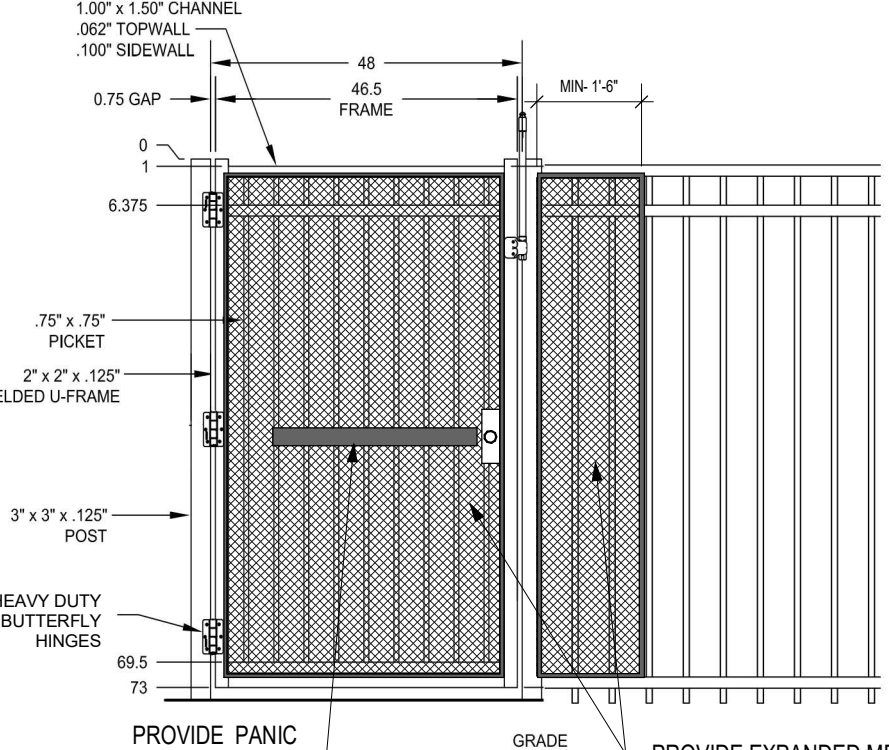
H12 ALUMINUM FENCE
1 1/2\"/>



G12 WOOD FENCE
1 1/2\"/>

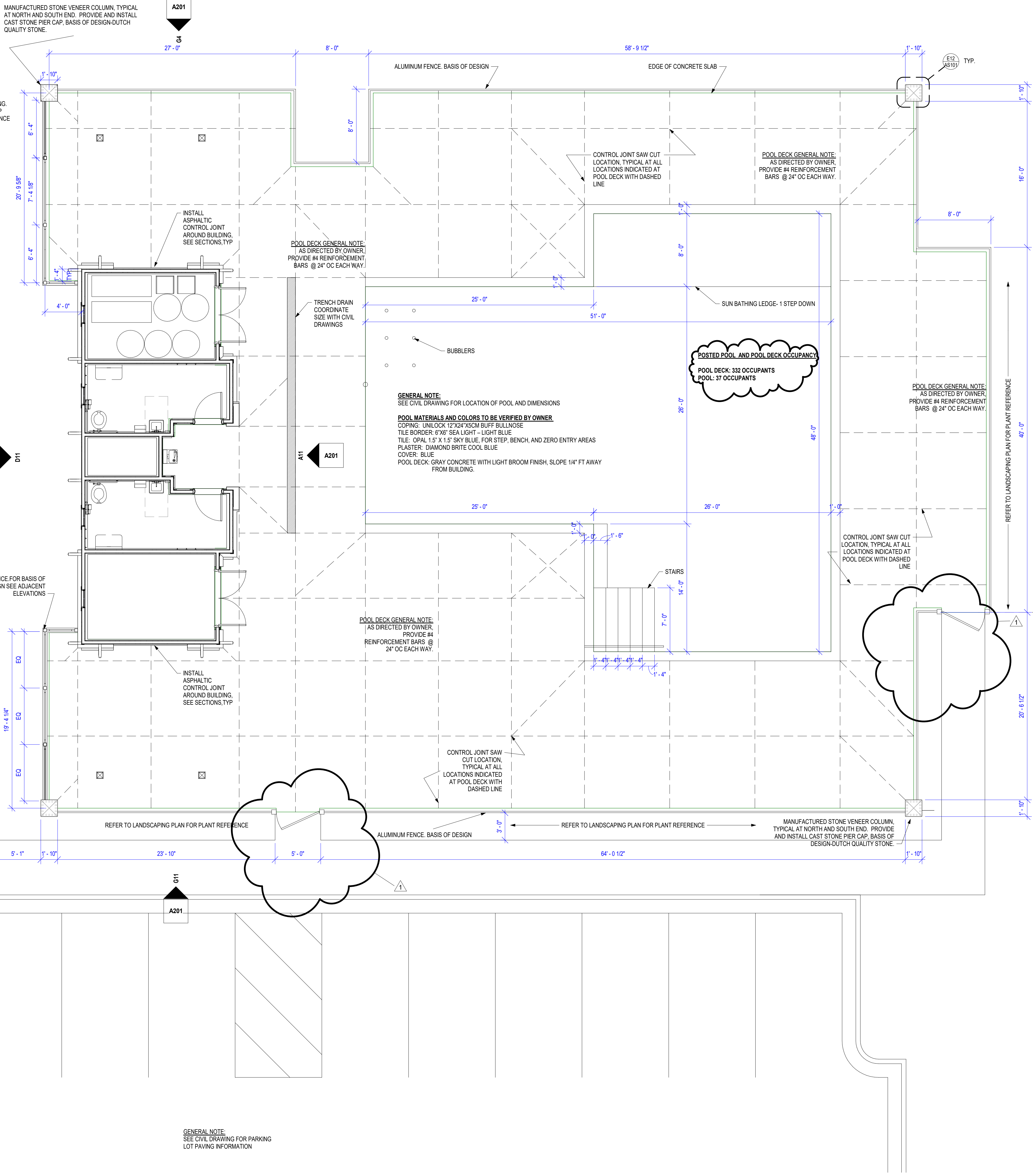


E12 COLUMN PLAN DETAIL
1 1/2\"/>



BASIS OF DESIGN: BARRETTE OUTDOOR LIVING
48\"/>

BIKE RACK, BASIS OF DESIGN: BELSON OUTDOORS,
ROUND TUBE WAVE, STAINLESS STEEL, MODEL
#CBBR-SUR-SS, WITH 3 LOOPS FOR 5 BIKES, BLACK
POWDER COAT



PERMIT SET

HOOK FARMS
SW 26TH TERRACE & SW PRYOR RD
LEES SUMMIT, MO

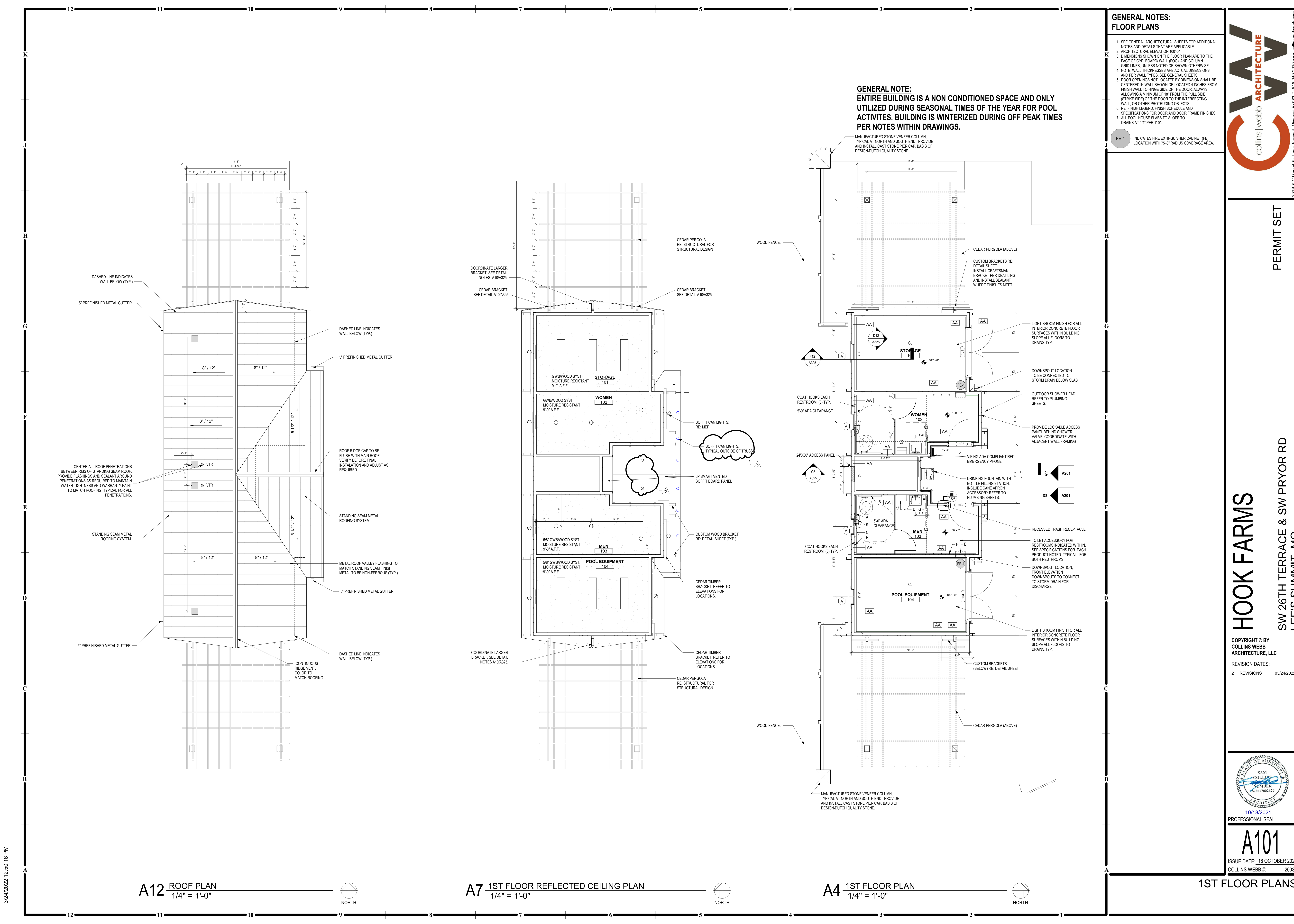
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10/19/2021
PROFESSIONAL SEAL
AS101
ISSUE DATE: 18 OCTOBER 2021
COLLINS WEBB #: 20032

ARCHITECTURAL SITE PLAN

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GENERAL NOTE:
ENTIRE BUILDING IS A NON CONDITIONED SPACE AND ONLY UTILIZED DURING SEASONAL TIMES OF THE YEAR FOR POOL ACTIVITIES. BUILDING IS WINTERIZED DURING OFF PEAK TIMES PER NOTES WITHIN DRAWINGS.

- GENERAL NOTES:**
FLOOR PLANS
1. SEE GENERAL ARCHITECTURAL SHEETS FOR ADDITIONAL NOTES AND DETAILS THAT ARE APPLICABLE.
 2. ARCHITECTURAL ELEVATION 100'-0"
 3. DIMENSIONS SHOWN ON THE FLOOR PLAN ARE TO THE FACE OF GYP. BOARD WALL (FGC) AND COLUMN GRID LINES, UNLESS NOTED OR SHOWN OTHERWISE.
 4. NOTE: WALL THICKNESSES ARE ACTUAL DIMENSIONS AND PER WALL TYPES, SEE GENERAL SHEETS.
 5. DOOR OPENINGS NOT LOCATED BY DIMENSION SHALL BE CENTERED IN WALL SHOWN OR LOCATED 4 INCHES FROM FINISH WALL TO HINGE SIDE OF THE DOOR, ALWAYS ALLOWING A MINIMUM OF 18" FROM THE PULL SIDE (STRIKE SIDE) OF THE DOOR TO THE INTERSECTING WALL, OR OTHER PROTRUDING OBJECTS.
 6. RE: FINISH LEGEND, FINISH SCHEDULE AND SPECIFICATIONS FOR DOOR AND DOOR FRAME FINISHES.
 7. ALL POOL HOUSE SLABS TO SLOPE TO DRAINS AT 1/4" PER 1'-0".
- FE-1 INDICATES FIRE EXTINGUISHER CABINET (FE) LOCATION WITH 75'-0" RADIUS COVERAGE AREA.

A12 ROOF PLAN
1/4" = 1'-0"

A7 1ST FLOOR REFLECTED CEILING PLAN
1/4" = 1'-0"

A4 1ST FLOOR PLAN
1/4" = 1'-0"

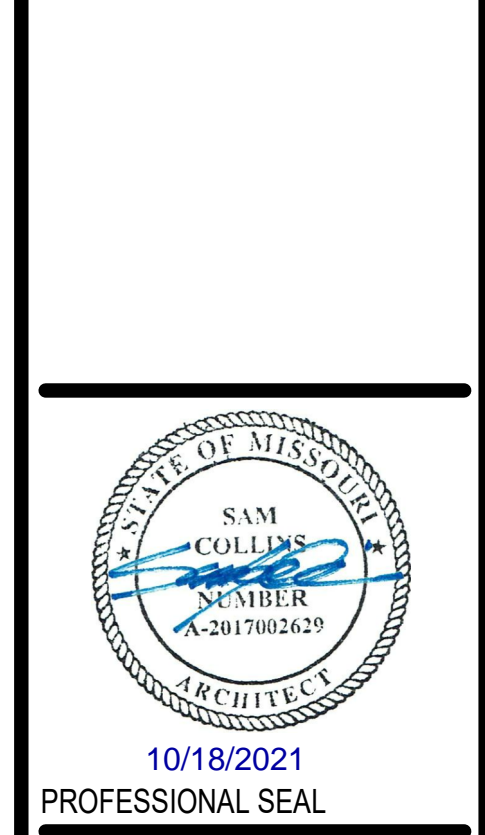


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HOOK FARMS
SW 26TH TERRACE & SW PRYOR RD
LEES SUMMIT, MO

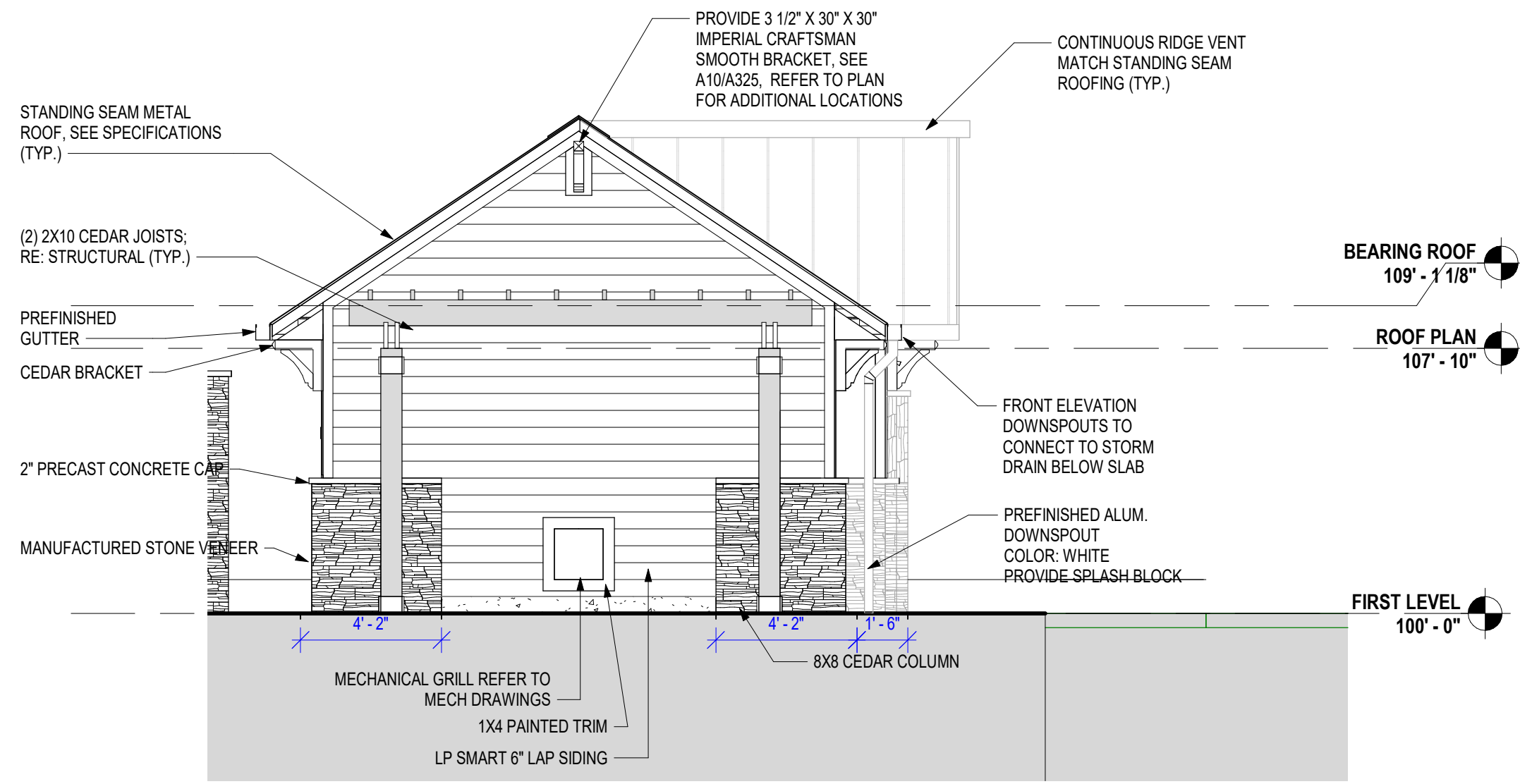
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2 REVISIONS 03/24/2022

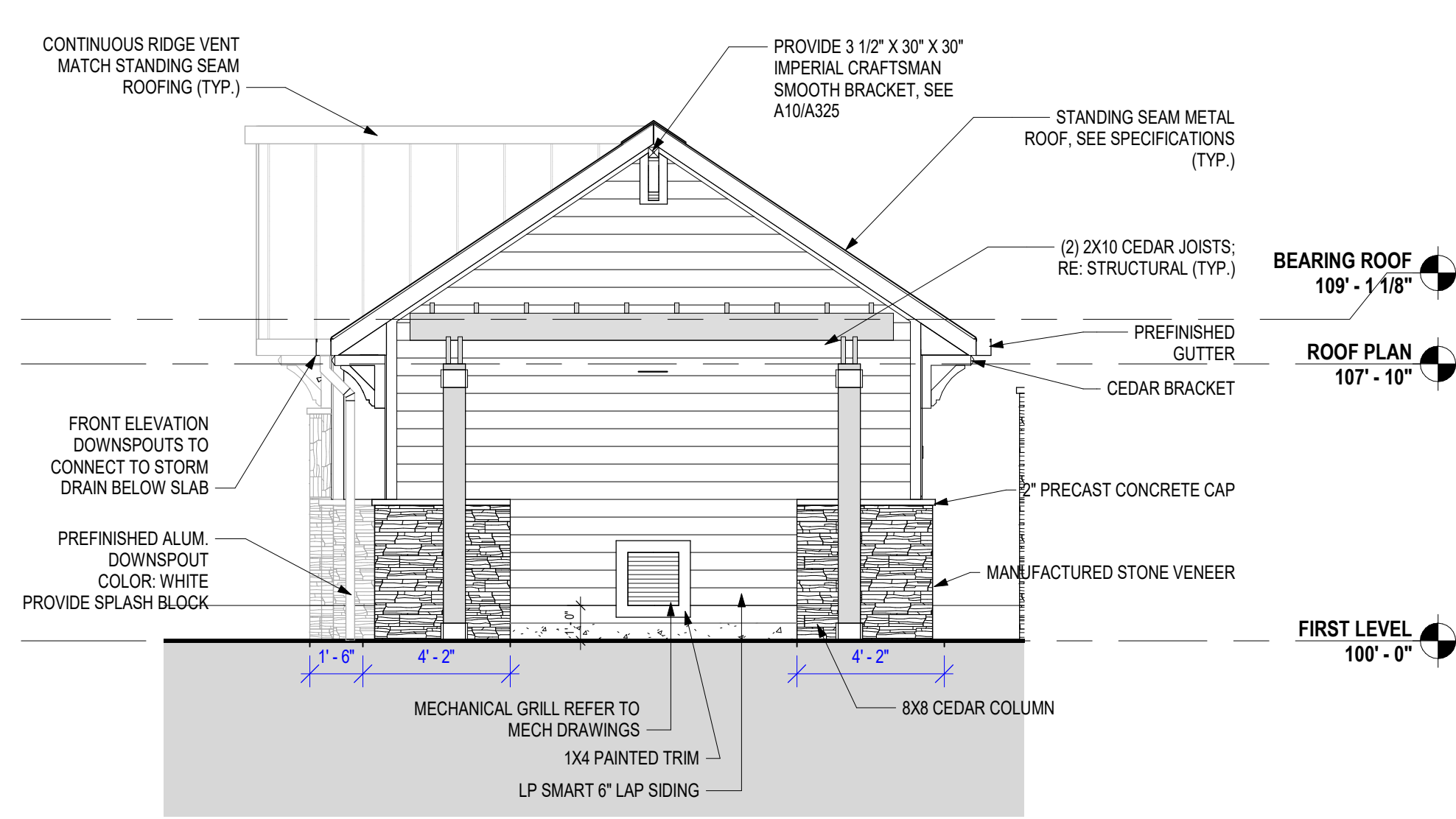


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ISSUE DATE: 18 OCTOBER 2021
COLLINS WEBB #: 20032

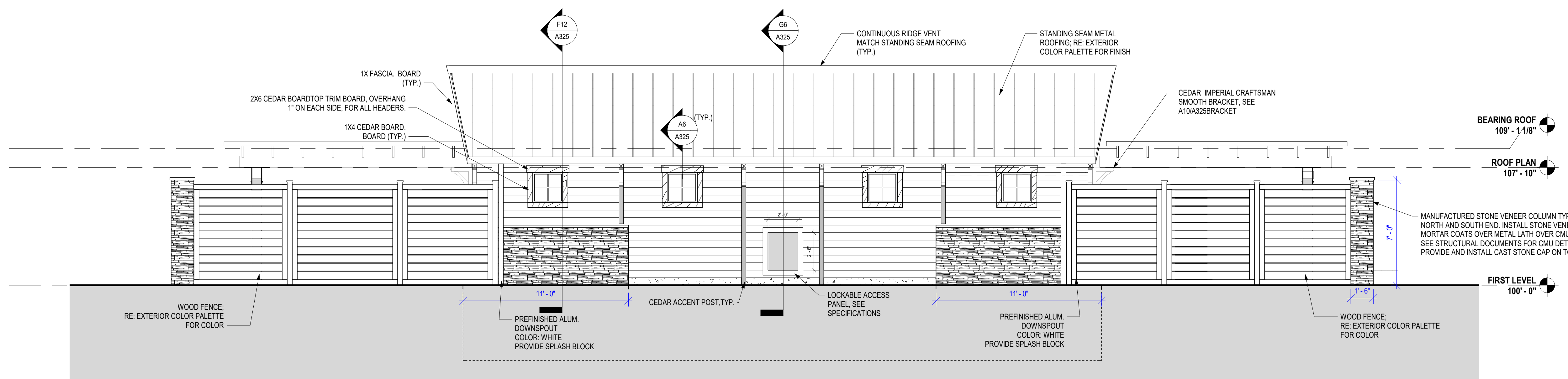
1ST FLOOR PLANS



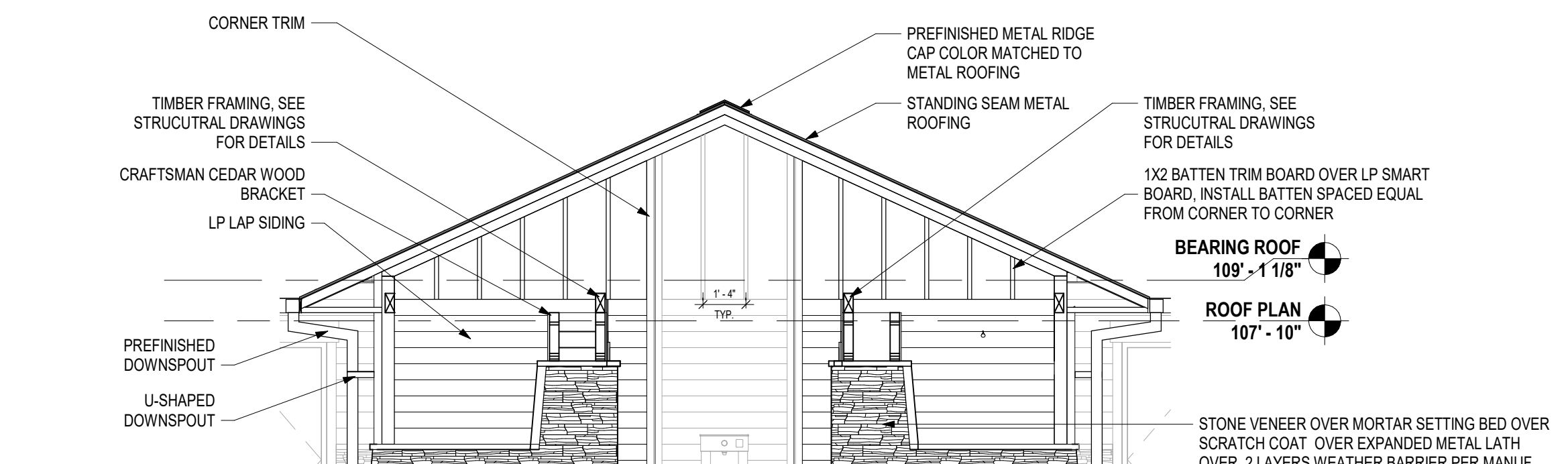
G11 SOUTH ELEVATION
1/4" = 1'-0"



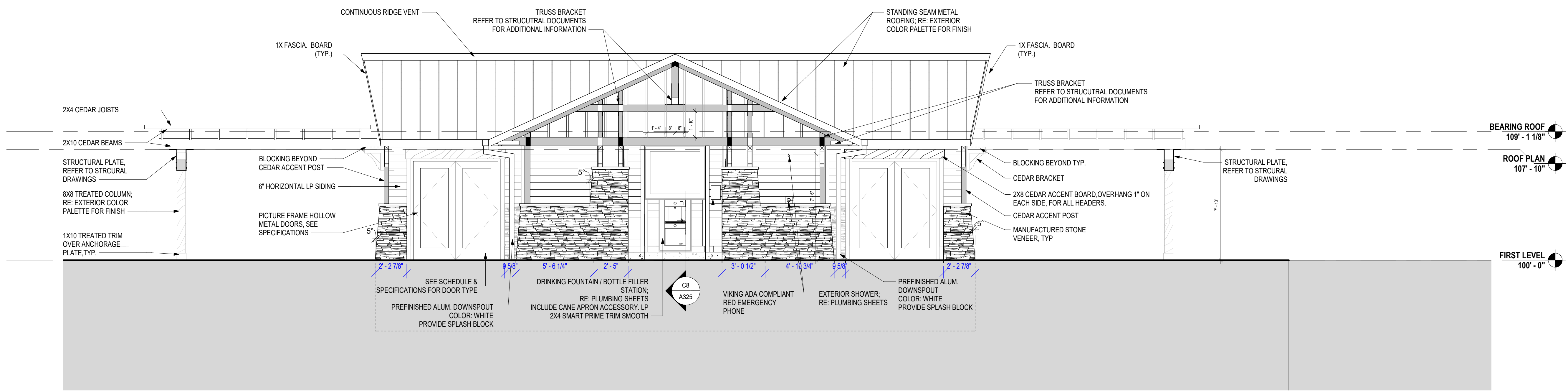
G4 NORTH ELEVATION
1/4" = 1'-0"



D11 WEST ELEVATION
1/4" = 1'-0"



D8 GABLE ELEVATION
1/4" = 1'-0"



A11 EAST ELEVATION
1/4" = 1'-0"

GENERAL NOTES
EXTERIOR ELEVATIONS:

1. RE: SHEET G001 FOR ADDITIONAL GENERAL NOTES THAT ARE APPLICABLE.
2. DIMENSIONS SHOWN ON THE EXTERIOR ELEVATIONS ARE TO THE FACE OF EXTERIOR WALL, FACE OF STUD, AND COLUMN GRID LINES, UNLESS OTHERWISE NOTED OR INDICATED.
3. RE: THE WINDOW TYPES SHEET FOR ALL EXTERIOR WINDOW TYPES AND GLASS TYPES.
4. PROVIDE ALL BLOCKING AND POWER AS REQUIRED FOR EXTERIOR SIGNAGE AND LIGHTING.

- EXTERIOR ELEVATION MATERIALS**
- MANUFACTURED STONE VENEER, BASIS OF DESIGN: DUTCH QUALITY STONE, FALLBROOK DRY STACK
 - LP SIDING LAP, FIELD COLOR - SHERWIN WILLIAMS (SW 7005) PURE WHITE
 - LP VERTICAL BOARD SIDING AND BATTEN, FIELD COLOR - SHERWIN WILLIAMS (SW 7005) PURE WHITE
 - LP TRIM BOARDS - SHERWIN WILLIAMS (SW 7005) PURE WHITE
 - BLACK ALUMINUM WINDOWS - COLUMBIA WINDOWS - C3100 SERIES
 - PREFINISHED GUTTERS AND DOWNSPOUTS TO MATCH SHERWIN WILLIAMS (SW 7005) PURE WHITE
 - STEM WALL - NATURAL FINISH
 - PERGOLA JOISTS - WESTERN RED CEDAR, COAT WITH 2 COATS LINSEED OIL, SEE SPECIFICATIONS.
 - PERGOLA WOOD COLUMNS - WESTERN RED CEDAR, COAT WITH 2 COATS LINSEED OIL, SEE SPECIFICATIONS.
 - STANDING SEAM METAL ROOF - DREXEL METALS BLACK - 2020.



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PERMIT SET

HOOK FARMS
SW 26TH TERRACE & SW PRYOR RD
LEES SUMMIT, MO

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EXTERIOR ELEVATIONS

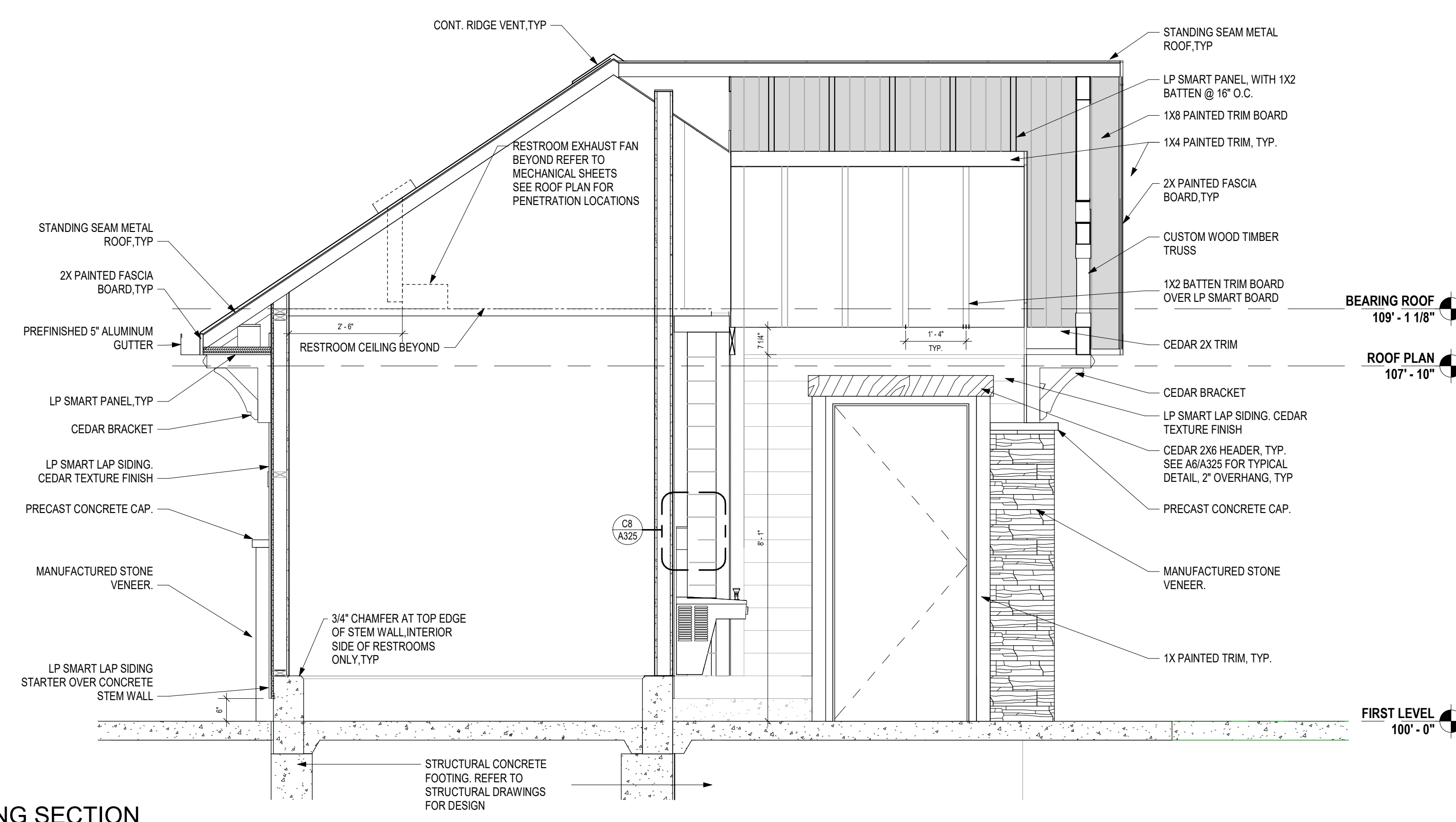
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**GENERAL NOTES:
EXTERIOR WALL SECTIONS/
DETAILS**

1. RE: SHEET G001 FOR ADDITIONAL GENERAL NOTES THAT ARE APPLICABLE.
2. RE: FLOOR PLANS, ROOF PLAN AND ELEVATIONS FOR SECTION CUT LOCATIONS.
3. ALL WINDOW AND DOOR OPENING DIMENSIONS ARE ROUGH OPENING DIMENSIONS, UNLESS NOTED OTHERWISE.
4. DIMENSIONS SHOWN ON THE WALL SECTIONS ARE TO THE FACE OF EXTERIOR WALL, AND COLUMN GRID LINES, UNLESS NOTED OR SHOWN OTHERWISE.

**GENERAL NOTES:
DOOR SCHEDULE**

1. HM REFERS TO HOLLOW METAL
2. AL REFERS TO ALUMINUM
3. WD REFERS TO WOOD
4. SCWD REFERS TO SOLID CORE WOOD
5. FOR FINISH COLOR DESIGNATION FOR INTERIOR DOOR AND FRAMES, REFER TO FINISH LEGEND.
6. PROTECT ALL DOORS & FRAMES FROM DAMAGE THROUGHOUT CONSTRUCTION PHASES.



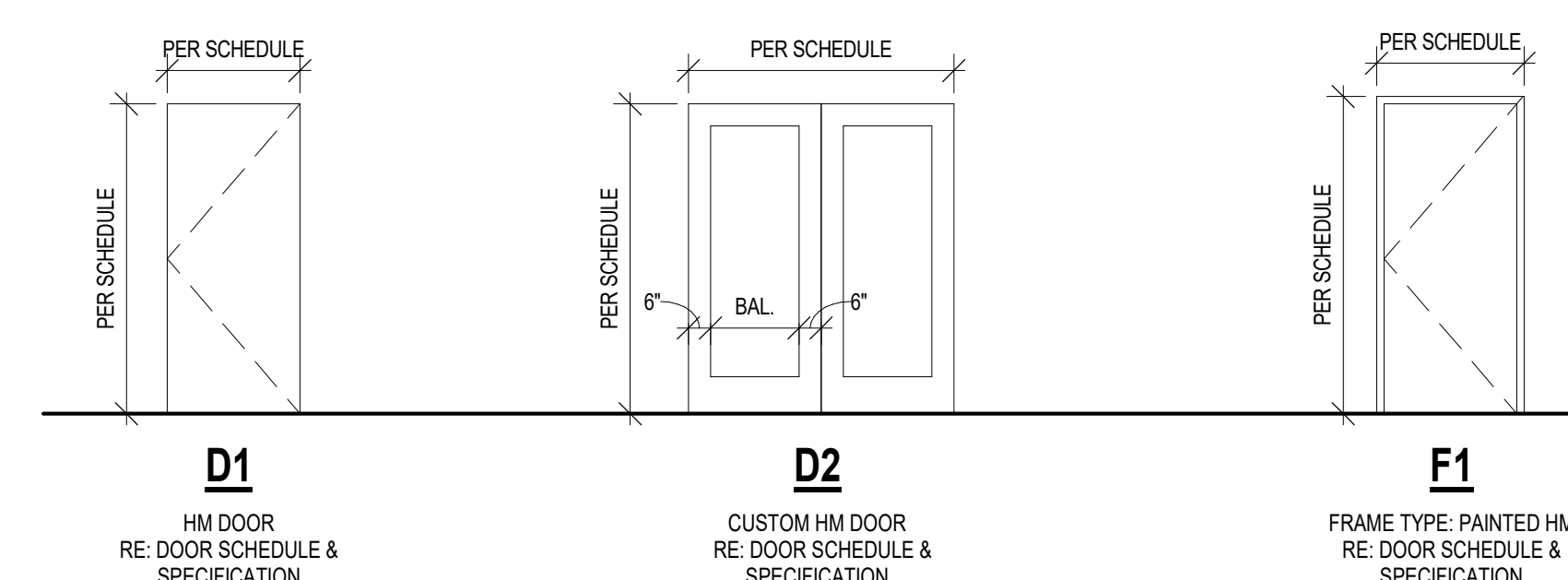
G6 BUILDING SECTION
1/2" = 1'-0"

FINISH LEGEND					
SYMBOL	MATERIAL	MANUFACTURER	TYPE	COLOR	TYP. AREA / REMARKS
TOILET PARTITIONS	SOLID PLASTIC	ACCURATE	HDPE	TBD	TOILET PARTITION, CEILING MOUNTED
FLOOR FINISH	WC1	WATERPROOF CONCRETE	SPECIALTY PRODUCTS GROUP	VAPOR LOCK 2021	GRAY / NATURAL FINISH
WALL FINISH	P1	PAINT	SHERWIN WILLIAMS	EPOXY	SW 7029 AGREEABLE GRAY

ROOM FINISH SCHEDULE						
RM. NO.	ROOM NAME	FLOORS	WALL FINISH			CEILING FINISH
			NORTH WALL	EAST WALL	WEST WALL	
101	STORAGE	WC1	P1	P1	P1	P1
102	WOMEN	WC1	P1	P1	P1	P1
103	MEN	WC1	P1	P1	P1	P1
104	POOL EQUIPMENT	WC1	P1	P1	P1	P1

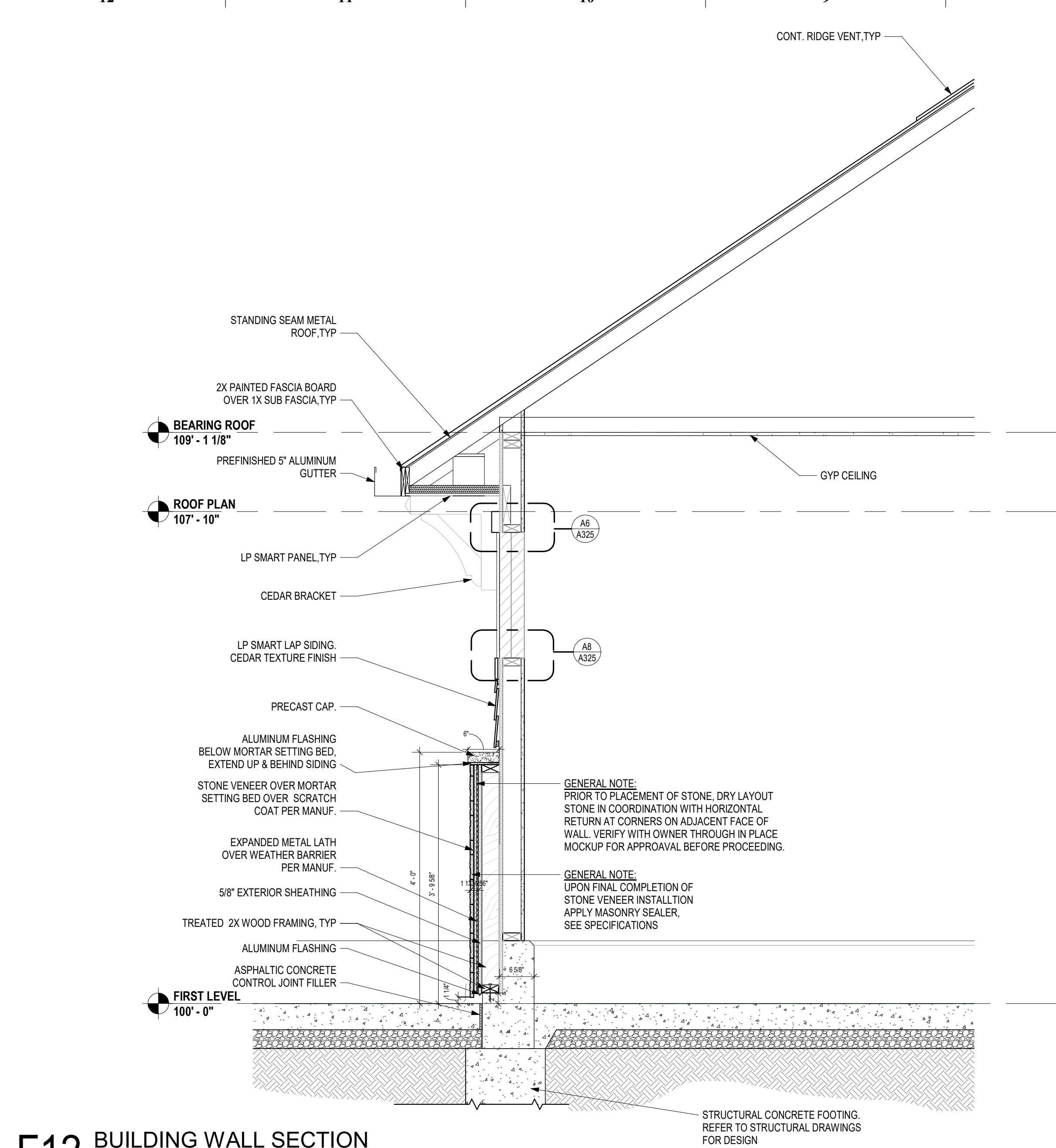
DOOR SCHEDULE								
DOOR NO.	ROOM NAME	WIDTH	HEIGHT	DOOR TYPE	DOOR FINISH	FRAME TYPE	FRAME MATERIAL	REMARKS
101	STORAGE	6'-0"	7'-0"	D2	HM	PAINT	F1	HM 1,2,3,4
102	WOMEN	3'-0"	7'-0"	D1	HM	PAINT	F1	HM 1,2,3,4
103	MEN	3'-0"	7'-0"	D1	HM	PAINT	F1	HM 1,2,3,4
104	POOL EQUIPMENT	6'-0"	7'-0"	D2	HM	PAINT	F1	HM 1,2,3,4

- DOOR SCHEDULE REMARKS:**
1. PROTECT DOOR AND FRAME FROM DAMAGE THROUGHOUT CONSTRUCTION. ANY DAMAGE TO BE REPAIRED/REPLACED PER OWNER DISCRETION.
 2. PROVIDE DOOR STOPS AND HOLD OPEN HARDWARE.
 3. DOOR AND FRAME TO BE PAINTED. REFER TO FINISH SCHEDULE FOR COLOR.
 4. SEE SPECIFICATION SHEETS FOR DOOR HARDWARE REQUIREMENTS.

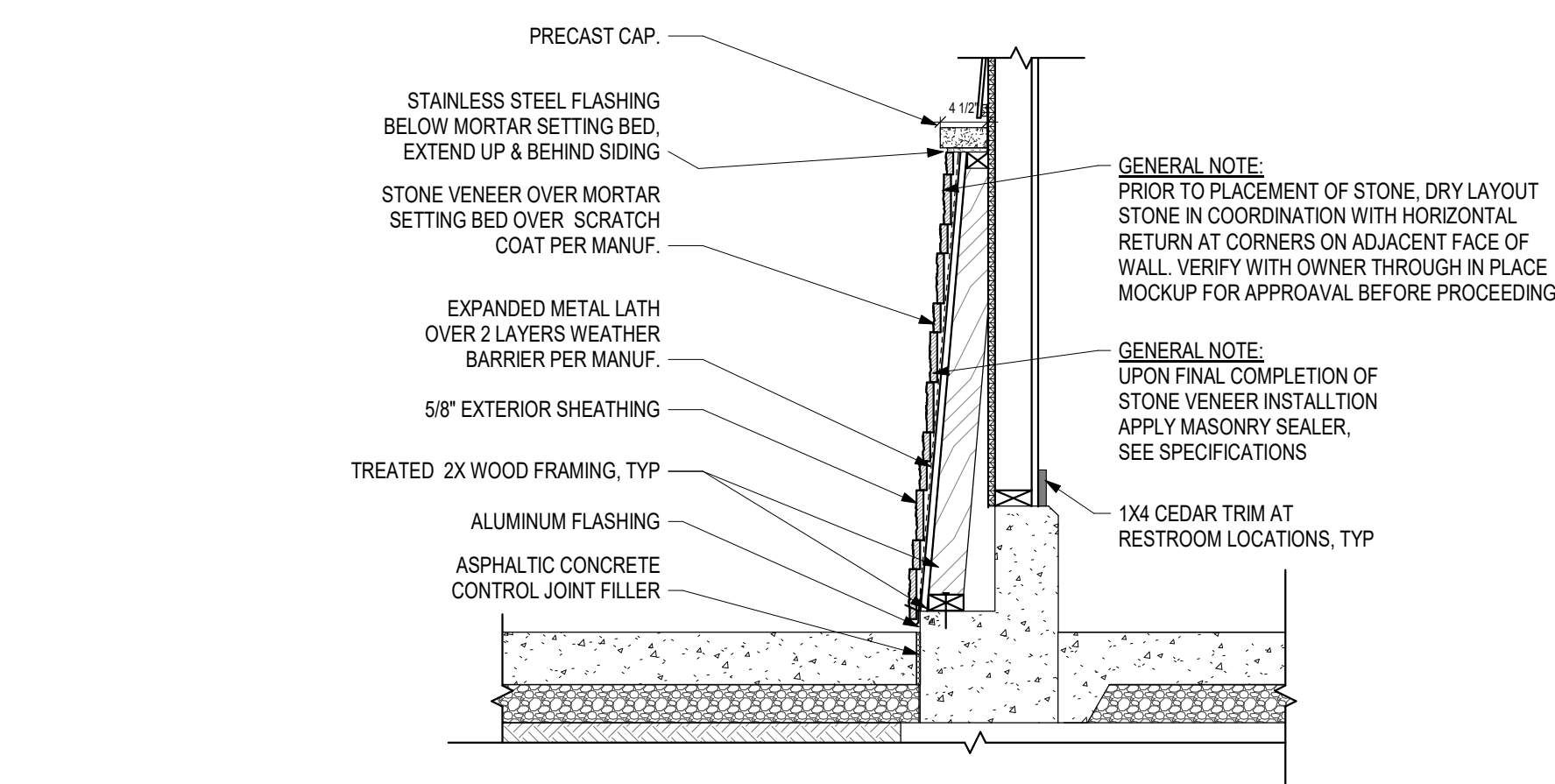


NOTE:
1. DOORS TO BE 1-3/4" THICK, UNLESS NOTED OTHERWISE ON DOOR SCHEDULE.

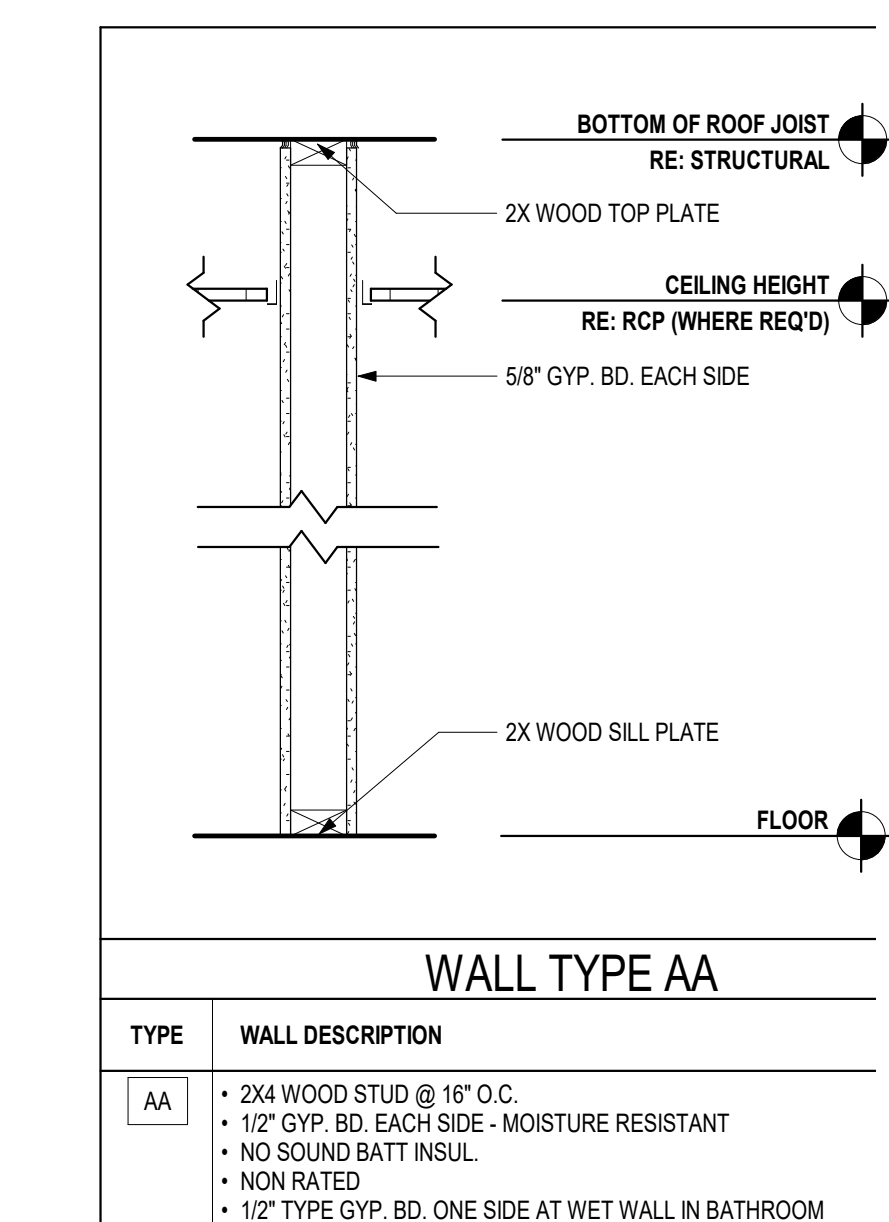
ALTERNATE DOOR TYPE:
FIBERGLASS WITH WOOD GRAIN FINISH. STAIN WITH GEL TYPE. COLOR TO BE VERIFIED WITH ARCHITECT.



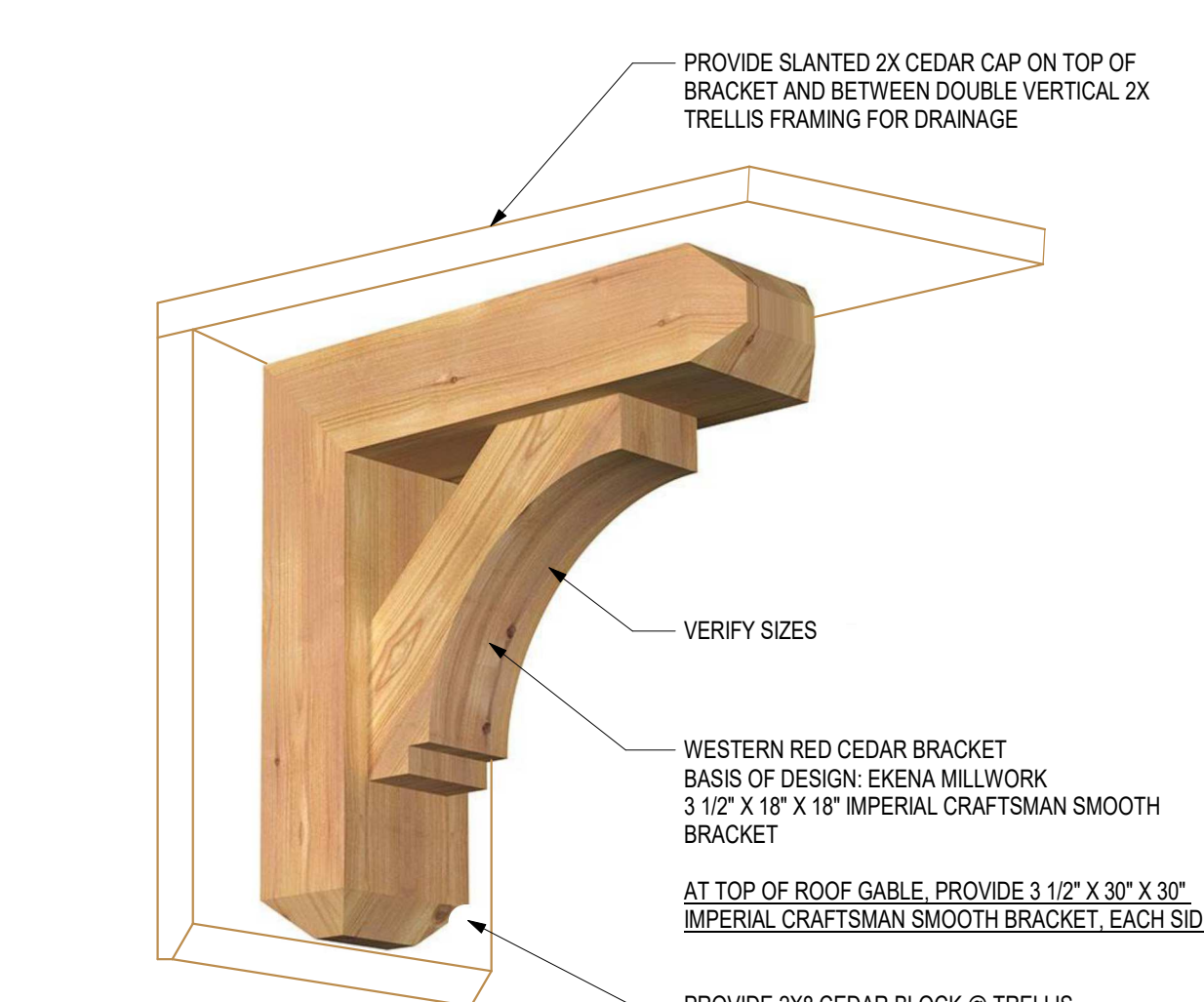
F12 BUILDING WALL SECTION
3/4" = 1'-0"



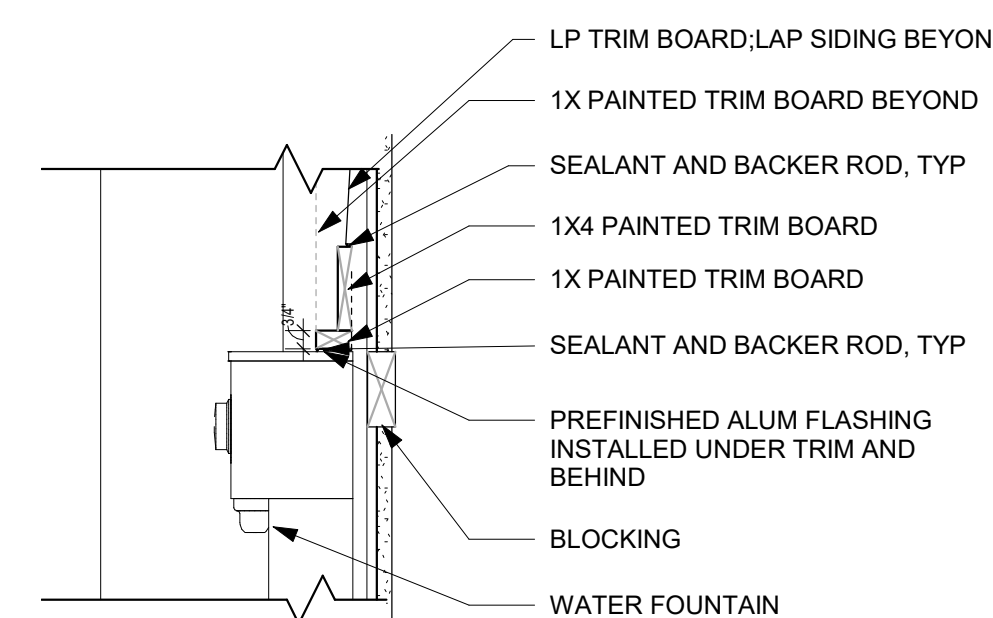
D12 BUILDING SLOPED WALL CONDITION
3/4" = 1'-0"



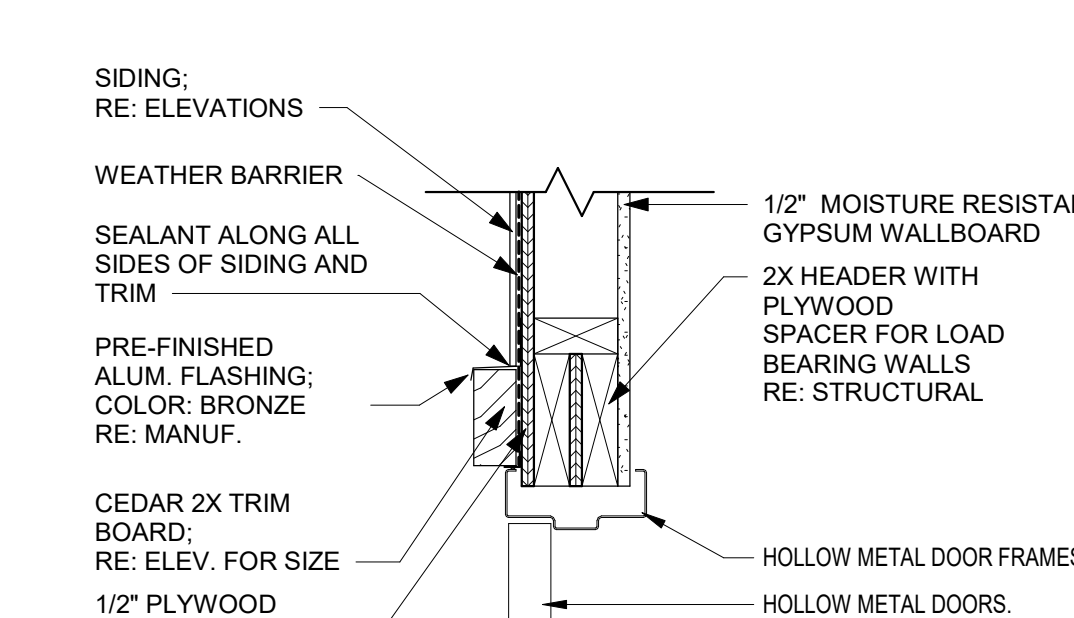
A12 WALL TYPE AA
1" = 1'-0"



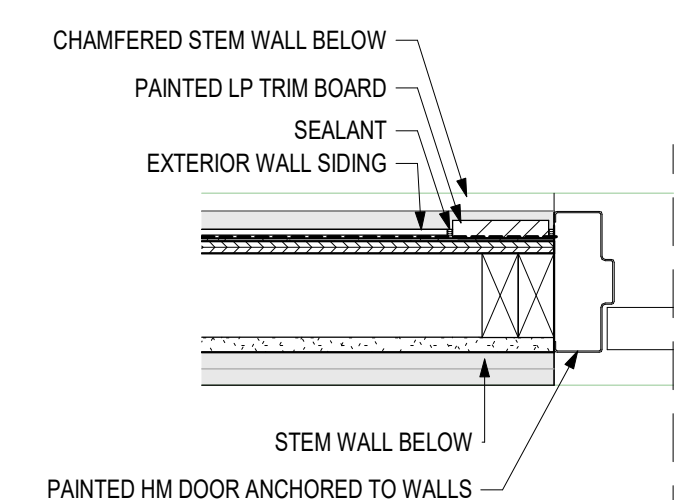
A10 BRACKET DETAIL
1 1/2" = 1'-0"



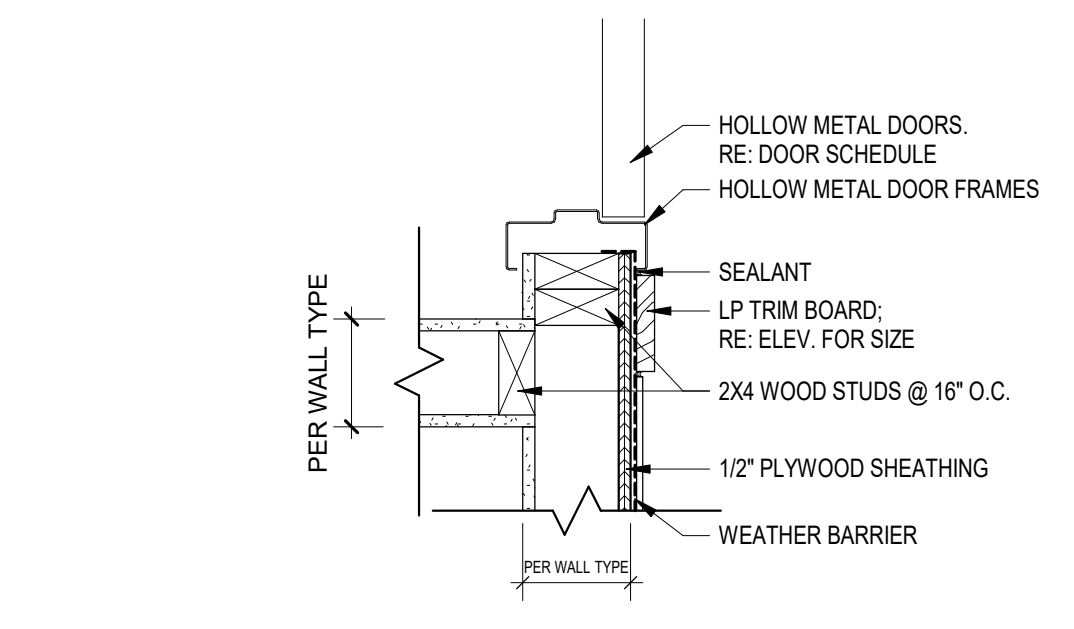
C8 WATER FOUNTAIN TRIM DETAILS
1 1/2" = 1'-0"



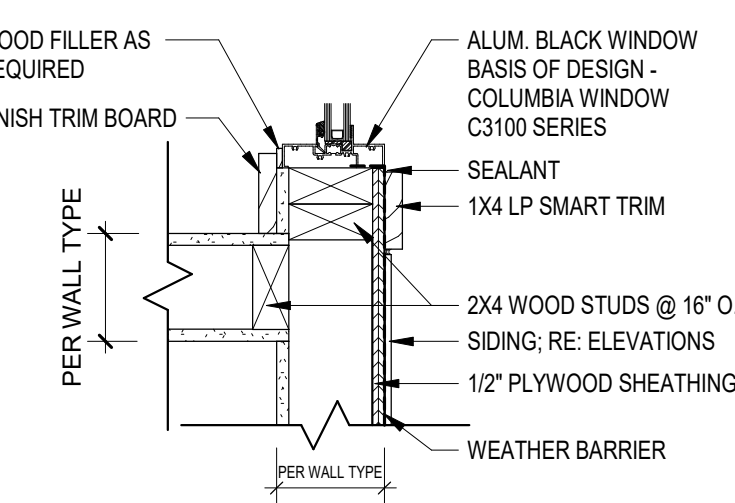
D6 DETAIL - WD HEAD (TYP.)
1 1/2" = 1'-0"



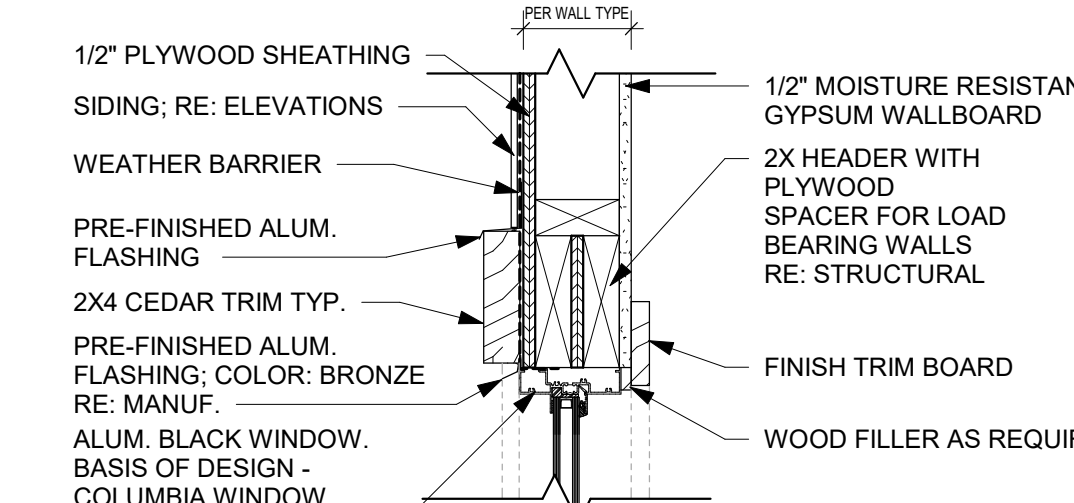
B8 DOOR FRAME @ STEM WALL
1 1/2" = 1'-0"



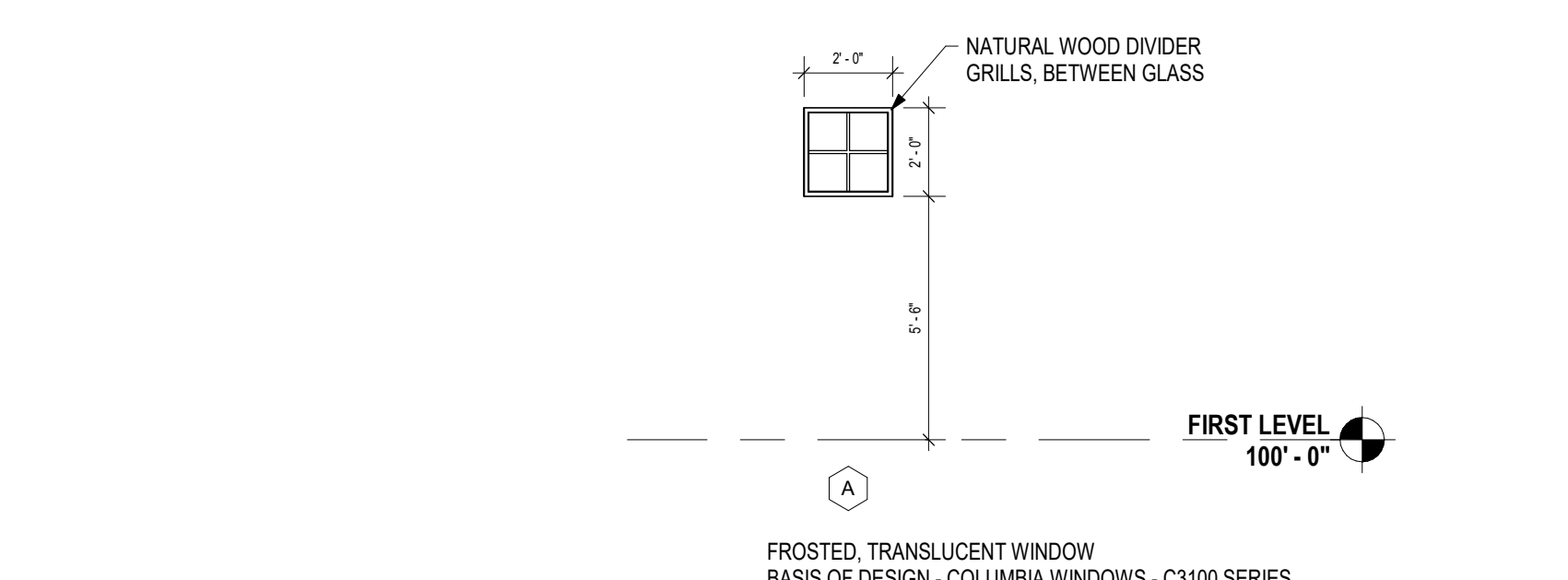
B6 DETAIL - WD JAMB (TYP.)
1 1/2" = 1'-0"



A8 DETAIL - WINDOW JAMB (TYP.)
1 1/2" = 1'-0"



A6 DETAIL - WINDOW HEAD (TYP.)
1 1/2" = 1'-0"



A4 WINDOW - A
1/4" = 1'-0"

ELECTRICAL SYMBOL LEGEND

SOME SYMBOLS AND ABBREVIATIONS ON THIS LEGEND MAY NOT BE USED

CIRCUITING

- HOME RUN (2#12 1#12G UNG)
- INDICATES 2 PHASE, 1 N, & 1 GND CONDUCTOR
- HOME RUN: INDICATES SHARED CIRCUIT
- HOME RUN: INDICATES #10 CONDUCTORS ENTIRELY

UTILITIES

- UNDERGROUND ELECTRICAL
- OVERHEAD ELECTRICAL
- TELECOMMUNICATIONS CONDUIT
- UNDERGROUND TELECOMMUNICATIONS CONDUIT

LIGHTING

- GRID-MOUNTED TROFFER LIGHT FIXTURE
- STRIP LIGHT FIXTURE
- SURFACE/RECESSED LIGHT FIXTURE
- WALL-MOUNTED LIGHT FIXTURE
- POLE-MOUNTED LIGHT FIXTURE
- EXIT LIGHT
- BATTERY-OPERATED EMERGENCY LIGHT (WALL MTD)
- BATTERY-OPERATED EMERGENCY LIGHT (CEILING MTD)
- WALL-MOUNTED COMBINATION EXIT LIGHT / BATTERY-OPERATED EMERGENCY LIGHT
- LIGHT SWITCH - SINGLE POLE
- LIGHT SWITCH - 3-WAY
- LIGHT SWITCH - 4-WAY
- LIGHT SWITCH - KEY
- LIGHT SWITCH - DIMMER
- LIGHT SWITCH - PILOT LIGHT
- LIGHT SWITCH - 2 POLE
- LIGHT SWITCH - 3-WAY DIMMER
- WALL-MOUNTED MOTION SWITCH
- CEILING-MOUNTED MOTION SWITCH
- SWITCHBANK - REFER TO DETAILS
- DIMMER BOARD
- REMOTE CONTROL SWITCH AS SCHEDULED
- TIMELOCK - REFER TO PLANS / DETAILS

EQUIPMENT

- DISCONNECT SWITCH. RE: PLANS FOR INFORMATION
- MAGNETIC MOTOR STARTER
- COMBINATION DISCONNECT SWITCH / MOTOR STARTER
- TOGGLE-TYPE DISCONNECT. FURNISH WITH THERMAL MOTOR PROTECTION WHERE SERVING FANS/PUMPS.
- SURFACE PANELBOARD
- RECESSED PANELBOARD
- DISTRIBUTION PANELBOARD
- SWITCHBOARD, FEEDER/MAIN CIRCUIT BREAKER SECTION AND DISTRIBUTION SECTION

GENERAL SYMBOLS

- INDICATES CONNECT TO EXISTING
- INDICATES ELEVATION
- EQUIPMENT TAG. REFER TO CONNECTIONS SCHEDULE FOR ELECTRICAL CONNECTIONS AND LOAD INFO FOR KITCHEN, SHOP, ETC. EQUIPMENT

POWER DEVICES

- DUPLEX RECEPTACLE
- LINE THRU DEVICE INDICATES ABOVE COUNTER
- SPECIAL DUPLEX RECEPTACLE (GFCI, ISOLATED GROUND, ETC.)
- QUADPLEX RECEPTACLE
- SIMPLEX RECEPTACLE W/NEMA CONFIG AS NOTED
- MULTI-POLE RECEPTACLE W/NEMA CONFIG AS NOTED
- CEILING MOUNTED RECEPTACLE
- RECEPTACLE/DEVICE MOUNTED IN "TOMBSTONE"
- POKE-THRU WITH POWER
- POKE-THRU WITH TELECOMMUNICATIONS
- POKE-THRU W/POWER AND TELECOM
- SINGLE GANG FLOOR BOX (2, 3, 4 GANG SIMILAR)
- CLOCK RECEPTACLE
- PLUG MOLD / WIRE MOLD AS SPECIFIED
- JUNCTION BOX
- PUSH BUTTON
- MOTOR

ABBREVIATIONS

A/E ARCHITECT / ENGINEER	ELEV ELEVATION	MH MANHOLE
AFF ABOVE FINISHED FLOOR	EM EMERGENCY FIXTURE/DEVICE	MLO MAIN LOSS ONLY
AG ABOVE GRADE	ENT ENTERING WATER TEMPERATURE	NEA NET FREE AREA
AHJ AUTHORITY HAVING JURISDICTION	EX EXISTING ITEM	NL NIGHT LIGHT
AHU AIR HANDLING UNIT	FFA FROM FLOOR ABOVE	CA OUTSIDE AIR
ARCH ARCHITECT	FTB FROM FLOOR BELOW	ORD OVERFLOW ROOF DRAIN
BFP BACKFLOW PREVENTER	FFCO FINISHED FLOOR CLEAN OUT	P/C PLUMBING CONTRACTOR
BG BELOW GRADE	FGO FLUSH GRADE CLEAN OUT	PSI POUNDS PER SQUARE INCH
BLDG BUILDING	FL FLOW LINE	PVC POLYVINYLCHLORIDE
BMS BUILDING MANAGEMENT SYSTEM	FLR FLOOR	RA RETURN AIR
C CONDUIT	FP FIRE PROTECTION	RE/REF REFER / REFERENCE
CD CANDELA	FFM FEET PER MINUTE	RF RELIEF FAN
CD COLD DECK	FWCO FLUSH WALL CLEAN OUT	RL REDUCED ITEM
CLG COOLING	G GROUND / GANG	RPZ REDUCED PRESSURE ZONE
CM COORDINATE MOUNTING HEIGHT	G/C GENERAL CONTRACTOR	R/R RESTROOM
CO CLEAN OUT	GFI GROUND FAULT CIRCUIT INTERRUPTER	SA SUPPLY AIR
CTE CONNECT TO EXISTING	GFP GFI-PROTECTED DEVICE	SPD SURGE PROTECTIVE DEVICE
DCV DOUBLE CHECK VALVE ASSEMBLY	GPM GALLONS PER MINUTE	ST SHUNT TRIP
DCW DOMESTIC COLD WATER	HD HOT DECK	TA TRANSFER AIR
DDC DIRECT DIGITAL CONTROLS	HTG HEATING	TFA TO FLOOR ABOVE
DF DRINKING FOUNTAIN	IG ISOLATED GROUND	TFB TO FLOOR BELOW
DHW DOMESTIC HOT WATER	JB JUNCTION BOX	TP TAMPERPROOF
DHWR DOMESTIC HOT WATER RETURN	LED LIGHT EMITTING DIODE	TYE TYPICAL
DN DIAMETER	LWT LEAVING WATER TEMPERATURE	UNO UNLESS NOTED OTHERWISE
DN DOWN	M/C MECHANICAL CONTRACTOR	VRF VARIABLE REFRIGERANT FLOW
E/C ELECTRICAL CONTRACTOR	MAU MAKE UP AIR UNIT	VTR VENT THROUGH ROOF
EA EXHAUST AIR	MCB MAIN CIRCUIT BREAKER	WCO WALL CLEANOUT
EDF ELECTRIC DRINKING FOUNTAIN	MCH MECHANICAL	WG WIRE GUARD
		WP WEATHERPROOF

MECHANICAL AND PLUMBING SYMBOL LEGEND

SOME SYMBOLS AND ABBREVIATIONS ON THIS LEGEND MAY NOT BE USED

SHEET METAL

- HIGH EFFICIENCY ROUND DUCT TAKEOFF (WITH & WITHOUT MANUAL DAMPER)
- SPIN-IN ROUND DUCT TAKEOFF (WITH & WITHOUT MANUAL DAMPER)
- CONICAL BELLOW MOUTH ROUND TAKEOFF
- ROUND DUCT RUNOUT WITH FLEX DUCT
- DUCTWORK ELBOW (WITH & WITHOUT TURNING VANES)
- FD-FIRE DAMPER
- SD-SMOKE DAMPER
- BD-BACKDRAFT DAMPER (GRAVITY)
- AUTOMATIC MOTORIZED DAMPER
- SUPPLY DIFFUSER AND DIFFUSER CALLOUT (NECK SIZE, TYPE AND CFM)
- LINEAR/SLOT DIFFUSER
- RETURN GRILLE OR EXHAUST REGISTER
- SUPPLY AIR FLOW INDICATOR
- RETURN AND EXHAUST AIR FLOW INDICATOR
- THERMISTAT
- TEMPERATURE SENSOR
- HUMIDISTAT
- CONTROL WIRING

GENERAL SYMBOLS

- INDICATES CONNECT TO EXISTING
- INDICATES ELEVATION
- EQUIPMENT TAG. REFER TO CONNECTIONS SCHEDULE FOR MECHANICAL CONNECTIONS AND LOAD INFO FOR KITCHEN, SHOP, ETC. EQUIPMENT

PLUMBING PIPING

- DOMESTIC COLD WATER
- DOMESTIC HOT WATER
- RECORCULATING DOMESTIC HOT WATER
- WASTE ABOVE GRADE OR FLOOR
- WASTE BELOW GRADE OR FLOOR
- PLUMBING VENT
- WATER SERVICE
- GAS (NATURAL)

PLUMBING FIXTURES/EQUIPMENT

- HOSE BRB
- WALL HYDRANT
- CLEAN OUT
- REDUCED PRESSURE BACKFLOW PREVENTER
- DOUBLE CHECK BACKFLOW PREVENTER
- PLUMBING FIXTURE AND CALLOUT
- FD: FLOOR DRAIN, AD: AREA DRAIN, FS: FLOOR SINK, RD: ROOF DRAIN, ORD: OVERFLOW ROOF DRAIN

PIPING SYMBOLS

- SHUTOFF VALVE
- SHUTOFF VALVE IN RISER
- BALANCING VALVE
- PLUG VALVE
- AUTO FLOW CONTROL VALVE
- PIPING ELBOW UP
- PIPING ELBOW DOWN
- PIPING TEE
- PIPING ELBOW
- PIPING TEE UP
- PIPING TEE DOWN
- INCREASER / REDUCER
- UNION
- COP
- PIPE FLEX
- STRAINER
- CHECK VALVE
- MILNE STRAINER
- TEST PLUG
- GLIDE
- ANCHOR
- TRIPLE DUTY VALVE
- AUTOMATIC 2-WAY CONTROL VALVE
- AUTOMATIC 3-WAY CONTROL VALVE
- SOLENOID VALVE

PIPING SPECIALTIES

- PRESS/TEMP GAUGE WITH COCK
- THERMOMETER
- PRESSURE REDUCING VALVE
- RELIEF VALVE
- WATER HAMMER ARRESTER

GEN. MECHANICAL NOTES

- COMPLETE INSTALLATION SHALL BE IN ACCORDANCE WITH THE LATEST ADOPTED VERSION OF THE INTERNATIONAL MECHANICAL CODE, LOCAL AND STATE CODES, AND REQUIREMENTS OF THE AHJ.
- ANY POWER FOR CONTROL SYSTEMS TO BE PROVIDED BY E/C IS INDICATED ON ELECTRICAL PLANS. ANY ADDITIONAL LINE VOLTAGE OR LOW VOLTAGE POWER REQUIRED BY THE M/C OR SUBCONTRACTORS TO HAVE A FULLY FUNCTIONING SYSTEM SHALL BE PROVIDED BY THE M/C CONTRACTOR OR SUBS.
- ALL EQUIPMENT SHALL BE ADEQUATELY AND PROPERLY SUPPORTED AND FASTENED FROM STRUCTURE.
- ALL EQUIPMENT AND ACCESSORIES INSTALLED IN CONCEALED SPACES REQUIRING ACCESS SHALL BE PROVIDED WITH ACCESS DOORS MEETING ANY FIRE REQUIREMENTS OF THE WALL/CEILING THEY ARE INSTALLED.
- EACH AIR HANDLING UNIT OVER 2000CFM SHALL BE PROVIDED WITH A SMOKE DETECTOR TO SHUT DOWN THE UNIT PER IMC 606 AS REQUIRED BY AHJ. COORDINATE WITH OTHER TRADES.
- START UP AND ADJUST ALL INFORMATION REQUIRED FOR WORK TO BE PROVIDED UNDER THEIR RESPECTIVE SECTIONS IN AMPLE TIME FOR INSTALLATION.
- WHENEVER WORK INTERCONNECTS WITH WORK OF OTHER TRADES, COORDINATE WITH THOSE TRADES TO ENSURE THAT ALL SUBCONTRACTORS HAVE THE INFORMATION NECESSARY SO THAT THEY MAY PROPERLY INSTALL ALL CONNECTIONS AND EQUIPMENT. IDENTIFY ALL ITEMS OF WORK THAT REQUIRE ACCESS SO THAT THE CEILING TRADE WILL KNOW WHERE TO INSTALL ACCESS DOORS AND PANELS.

GENERAL PLUMBING NOTES

- COMPLETE INSTALLATION SHALL BE IN ACCORDANCE WITH THE LATEST ADOPTED VERSION OF THE INTERNATIONAL PLUMBING CODE, LOCAL AND STATE CODES, AND REQUIREMENTS OF THE AHJ.
- NO PIPING SHALL BE INSTALLED WHERE IT WILL SUBJECT TO FREEZING TEMPERATURES. PIPING IN EXTERIOR WALLS SHALL BE INSTALLED ON THE WARM SIDE OF BUILDING INSULATION, INSULATED AND THE CHASE SHALL BE VENTILATED WITH GRILLES ALLOWING INDOOR AMBIENT CONDITIONS TO CIRCULATE THROUGH THE CHASE.
- PROVIDE CLEANSOUTS IN THE FOLLOWING LOCATIONS:
 1. IN ALL HORIZONTAL DRAINS (WITHIN THE BUILDING) NOT MORE THAN 100 FEET APART.
 2. IN BUILDING SEWERS LOCATED NO MORE THAN 100 FEET APART MEASURED FROM THE UPSTREAM ENTRANCE OF THE CLEANSOUT.
 3. EACH CHANGE OF DIRECTION OF THE BUILDING DRAIN OR HORIZONTAL WASTE OR SOIL LINES GREATER THAN 45 DEGREES. WHERE MORE THAN ONE CHANGE OF DIRECTION OCCURS IN A RUN OF PIPING, ONLY ONE CLEANSOUT SHALL BE REQUIRED FOR EACH 40 FEET OF DEVELOPED LENGTH OF THE DRAINAGE PIPING.
 - 3.4. AT THE BASE OF EACH WASTE OR SOIL STACK.
 - 3.5. NEAR THE JUNCTION OF THE BUILDING DRAIN AND BUILDING SEWER.

GENERAL ELECTRICAL NOTES

- COMPLETE INSTALLATION SHALL BE IN ACCORDANCE WITH THE LATEST ADOPTED VERSION OF THE NATIONAL ELECTRICAL CODE, LOCAL AND STATE CODES, AND REQUIREMENTS OF THE AHJ.
- COORDINATE LOCATIONS OF RECEPTACLES, SWITCHES, ETC. WITH ARCHITECTURAL CASEWORK AND ELEVATIONS.
- REFER TO MOUNTING HEIGHTS DETAIL FOR MOUNTING HEIGHTS OF ALL DEVICES NOT INDICATED OTHERWISE.
- PROVIDE ALL EMPTY CONDUITS WITH PULL STRINGS AND BUSHED ENDS.
- CONTRACTOR SHALL CONCEAL ALL CONDUIT, FITTINGS, AND DEVICES FROM VIEW WHERE REASONABLY POSSIBLE.

COORDINATION NOTES

- COORDINATE REQUIREMENTS FOR INSTALLATION OF SYSTEMS AND EQUIPMENT WITH ALL OTHER TRADES.
- THE CONTRACTOR SHALL COORDINATE THE ROUTING AND PATH OF ALL SYSTEMS, CONDUITS, PIPES, DUCTS, ETC. WITH THE POSITION AND LAYOUT OF THE STRUCTURE. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING NECESSARY OFFSETS, TURNS, RISERS AND DROPS FOR SYSTEMS AND COMPONENTS AS NEEDED TO INSTALL THE MEP SYSTEMS TO CLEAR STRUCTURE, CEILINGS, ETC. AND OTHER SYSTEMS IN POTENTIAL CONFLICT WITH ROUTING.
- COORDINATE WORK WITH OTHER TRADES TO INSTALL SYSTEMS ABOVE CEILING HEIGHTS INDICATED ON ARCHITECTURAL PLANS.
- CHECK SPACE REQUIREMENTS WITH OTHER TRADES AND STRUCTURE/CONSTRUCTION TO ENSURE THAT ALL MATERIALS AND EQUIPMENT CAN BE INSTALLED IN THE SPACE ALLOTTED INCLUDING FINISHED, SUSPENDED CEILINGS AND OTHER SPACES, CHASES, ETC. WITHIN THE BUILDING. MAKE MODIFICATIONS THEREAS AS REQUIRED AND APPROVED.
- TRANSIT TO OTHER TRADES ALL INFORMATION REQUIRED FOR WORK TO BE PROVIDED UNDER THEIR RESPECTIVE SECTIONS IN AMPLE TIME FOR INSTALLATION.
- WHENEVER WORK INTERCONNECTS WITH WORK OF OTHER TRADES, COORDINATE WITH THOSE TRADES TO ENSURE THAT ALL SUBCONTRACTORS HAVE THE INFORMATION NECESSARY SO THAT THEY MAY PROPERLY INSTALL ALL CONNECTIONS AND EQUIPMENT. IDENTIFY ALL ITEMS OF WORK THAT REQUIRE ACCESS SO THAT THE CEILING TRADE WILL KNOW WHERE TO INSTALL ACCESS DOORS AND PANELS.
- COORDINATE, PROJECT AND SCHEDULE WORK WITH OTHER TRADES IN ACCORDANCE WITH THE CONSTRUCTION SEQUENCE.
- DRAWINGS SHOW THE GENERAL RUNS OF CONDUITS, PIPING AND DUCTWORK AND APPROXIMATE LOCATION OF OUTLETS. ANY SIGNIFICANT CHANGES IN LOCATION OF ITEMS NECESSARY IN ORDER TO MEET FIELD CONDITIONS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT/ENGINEER AND RECEIVE HIS APPROVAL BEFORE SUCH ALTERATIONS ARE MADE. ALL SUCH MODIFICATIONS SHALL BE MADE WITHOUT ADDITIONAL COST TO THE OWNER.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION AND REPAIR OF SURFACES, AREAS AND PROPERTY THAT MAY BE DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES.
- ADJUST LOCATION OF PIPING, DUCTWORK, ETC. TO PREVENT INTERFERENCES, BOTH ANTICIPATED AND UNENCOUNTERED. DETERMINE THE EXACT ROUTE AND LOCATION OF EACH ITEM PRIOR TO FABRICATION. MAKE OFFSETS, TRANSITIONS AND CHANGES IN DIRECTION IN SYSTEMS AS REQUIRED TO MAINTAIN ADEQUATE CLEARANCES AND HEADROOM.
- WHENEVER THE WORK IS OF SUFFICIENT COMPLEXITY, PREPARE ADDITIONAL COORDINATION DRAWINGS AND ORGANIZE ON-SITE MEETINGS WITH ALL RELATED SUBCONTRACTORS TO COORDINATE THE WORK BETWEEN TRADES. DRAWINGS SHALL CLEARLY SHOW THE WORK AND ITS RELATION TO THE WORK OF OTHER TRADES, AND BE SUBMITTED FOR REVIEW PRIOR TO COMMENCING SHOP FABRICATION OR ERECTION IN THE FIELD.
- COORDINATE WITH LOCAL UTILITY PROVIDERS FOR THEIR REQUIREMENTS FOR SERVICE CONNECTIONS AND PROVIDE ALL NECESSARY PERMITS, MATERIALS, LABOR AND TESTING TO ACCOMPLISH THE WORK.
- COORDINATE THE MOUNTING OF SUSPENDED LIGHT FIXTURES UTILIZING INADEQUATE LIGHT SO THAT CONDUIT, DUCTWORK, STRUCTURAL MEMBERS, ETC. ARE NOT LOCATED DIRECTLY ABOVE THE LIGHT FIXTURE. MAINTAIN A MINIMUM OF 24" CLEARANCE FROM THESE ITEMS WHENEVER POSSIBLE.

SHEET INDEX

ME001	COVER SHEET
ME002	SPECIFICATIONS
ME101	SITE PLAN
M101	MECHANICAL PLAN
M201	MECHANICAL SCHEDULES & DETAILS
E101	ELECTRICAL PLAN
E201	ELECTRICAL SCHEDULES & DETAILS



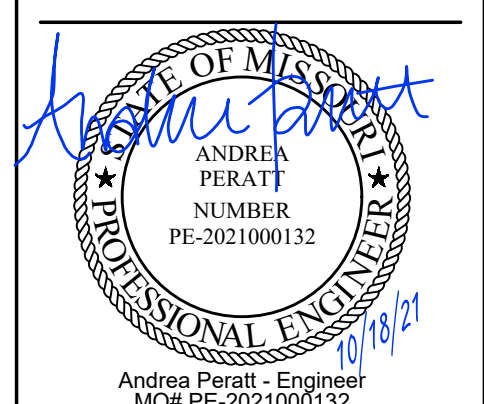
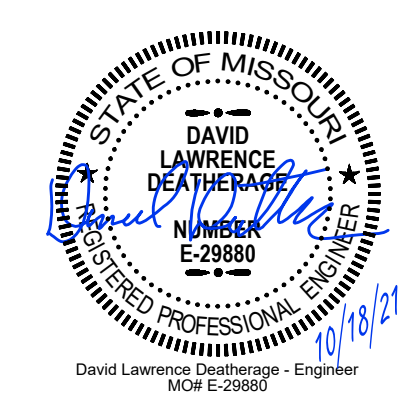
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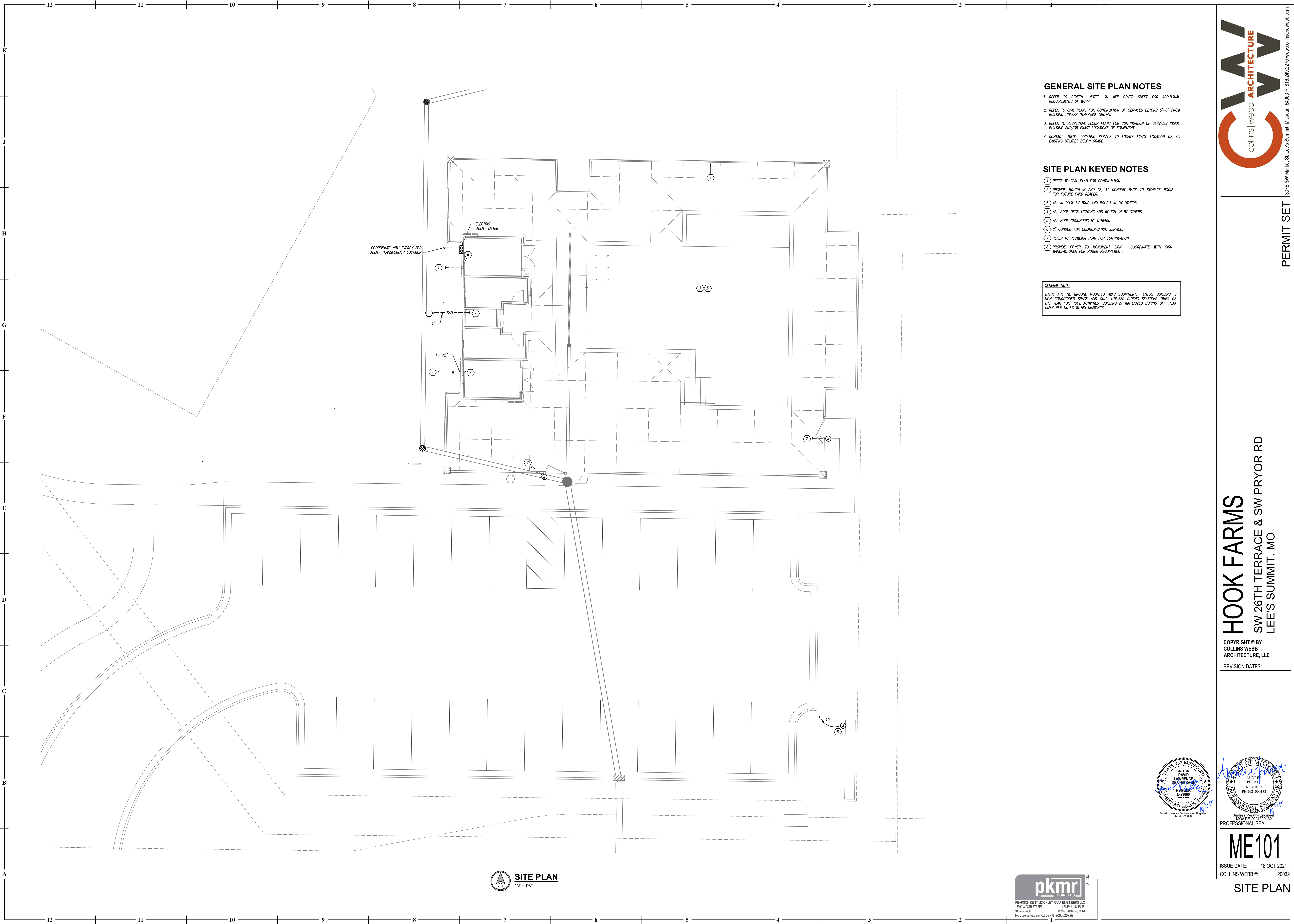
ME001

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COLLINS WEBB #: 20032

COVER SHEET



PEARSON KENT MCKINLEY RAUF ENGINEERS LLC
1300 W 96TH STREET
LEVENA, KS 66215
913.492.2400 www.pkrmr.com
MO State Certificate of Authority PE-000002089



GENERAL SITE PLAN NOTES

1. REFER TO GENERAL NOTES ON MEP COVER SHEET FOR ADDITIONAL REQUIREMENTS OF WORK.
2. REFER TO CIVIL PLANS FOR CONTINUATION OF SERVICES BEYOND 5'-0" FROM BUILDING UNLESS OTHERWISE SHOWN.
3. REFER TO RESPECTIVE FLOOR PLANS FOR CONTINUATION OF SERVICES INSIDE BUILDING AND/OR EXACT LOCATIONS OF EQUIPMENT.
4. CONTACT UTILITY LOCATING SERVICE TO LOCATE EXACT LOCATION OF ALL EXISTING UTILITIES BELOW GRADE.

SITE PLAN KEYED NOTES

- ① REFER TO CIVIL PLAN FOR CONTINUATION.
- ② PROVIDE ROUGH-IN AND (2) 1" CONDUIT BACK TO STORAGE ROOM FOR FUTURE GARD READERS.
- ③ ALL IN POOL LIGHTING AND ROUGH-IN BY OTHERS.
- ④ ALL POOL DECK LIGHTING AND ROUGH-IN BY OTHERS.
- ⑤ ALL POOL GROUNDING BY OTHERS.
- ⑥ 2" CONDUIT FOR COMMUNICATION SERVICE.
- ⑦ REFER TO PLUMBING PLAN FOR CONTINUATION.
- ⑧ PROVIDE POWER TO MONUMENT SIGN. COORDINATE WITH SIGN MANUFACTURER FOR POWER REQUIREMENT.

GENERAL NOTE:

THERE ARE NO GROUND MOUNTED HVAC EQUIPMENT. ENTIRE BUILDING IS NON CONDITIONED SPACE AND ONLY UTILIZED DURING SEASONAL TIMES OF THE YEAR FOR POOL ACTIVITIES. BUILDING IS WINTERIZED DURING OFF PEAK TIMES PER NOTES WITHIN DRAWINGS.

SITE PLAN
1/8" = 1'-0"



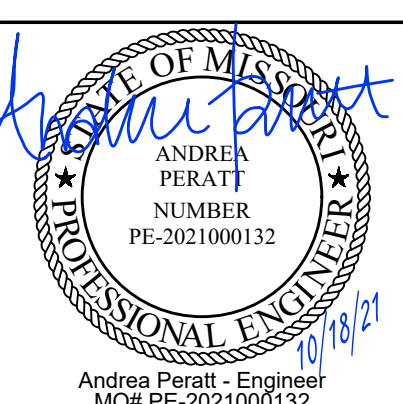
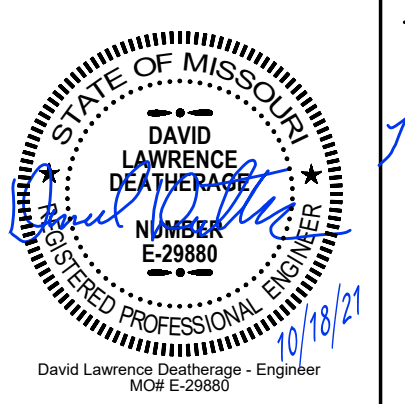
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Andrew Peratt - Engineer
MICH PE-2021000132
PROFESSIONAL SEAL

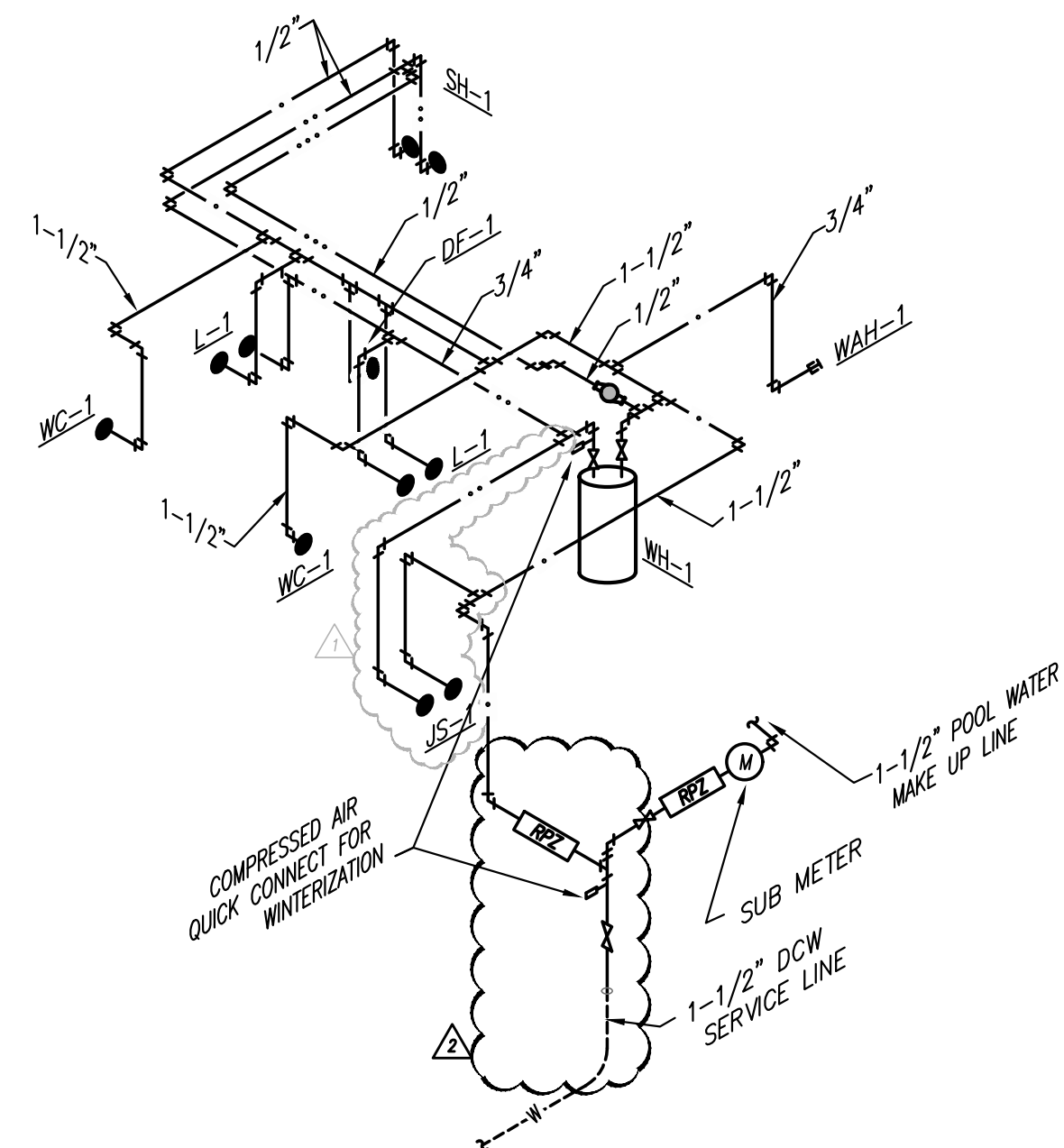
ME101

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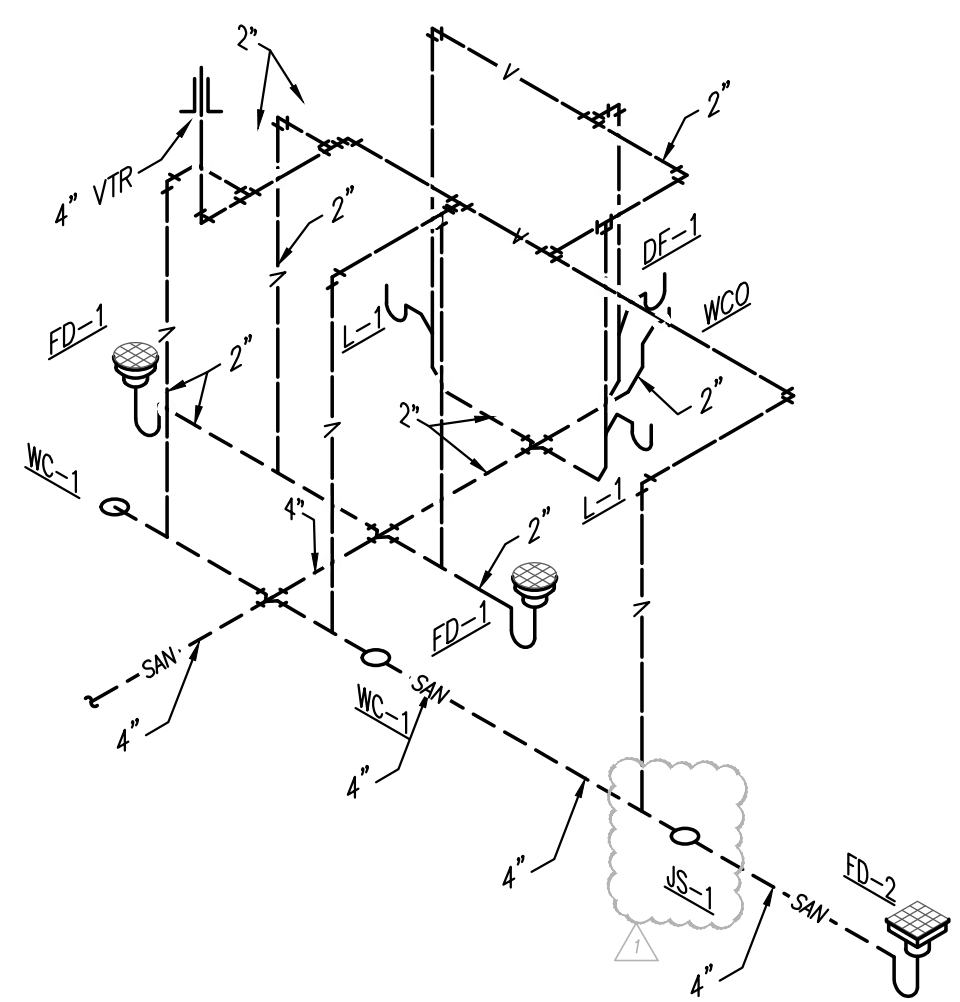
SITE PLAN



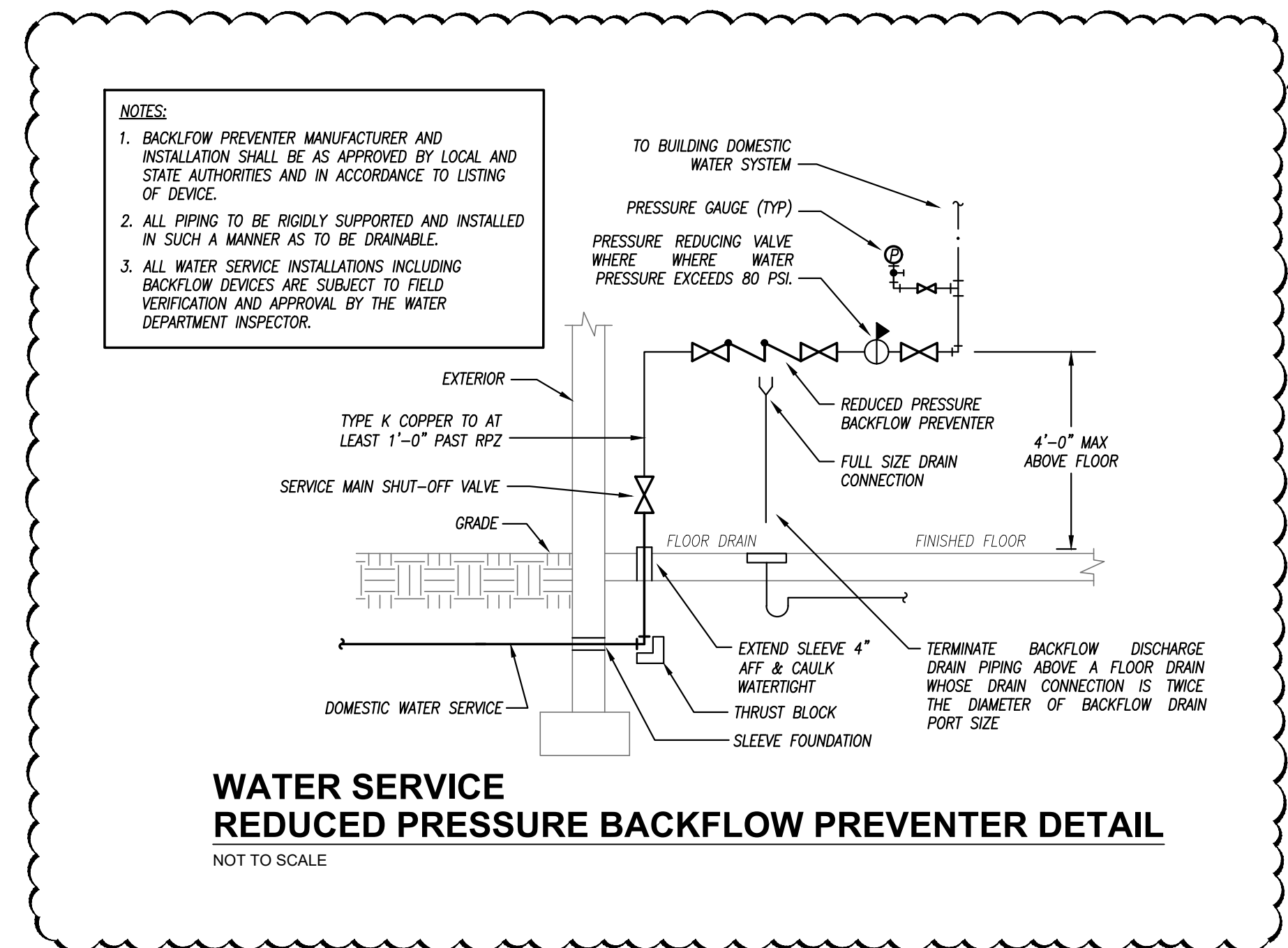
PEARSON KENT MCKINLEY RAUF ENGINEERS LLC
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MO State Certificate of Authority PE-0000020889



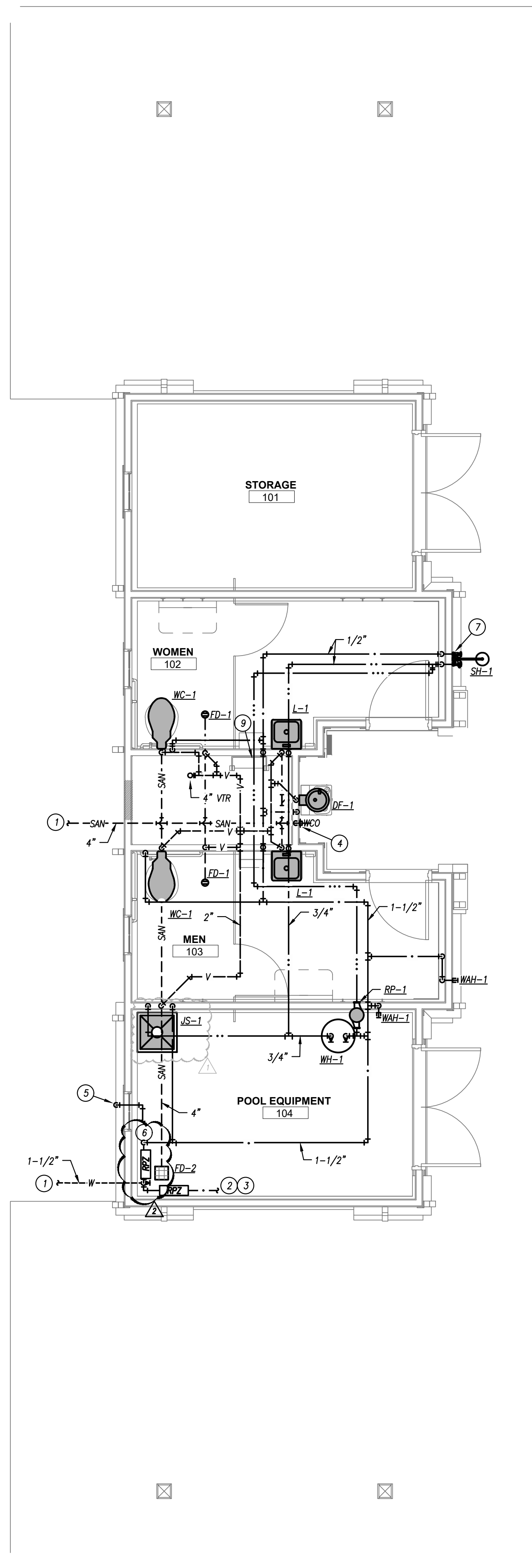
PLUMBING RISER - DOMESTIC WATER
NO SCALE



PLUMBING RISER - WASTE & VENT
NO SCALE



WATER SERVICE REDUCED PRESSURE BACKFLOW PREVENTER DETAIL
NOT TO SCALE



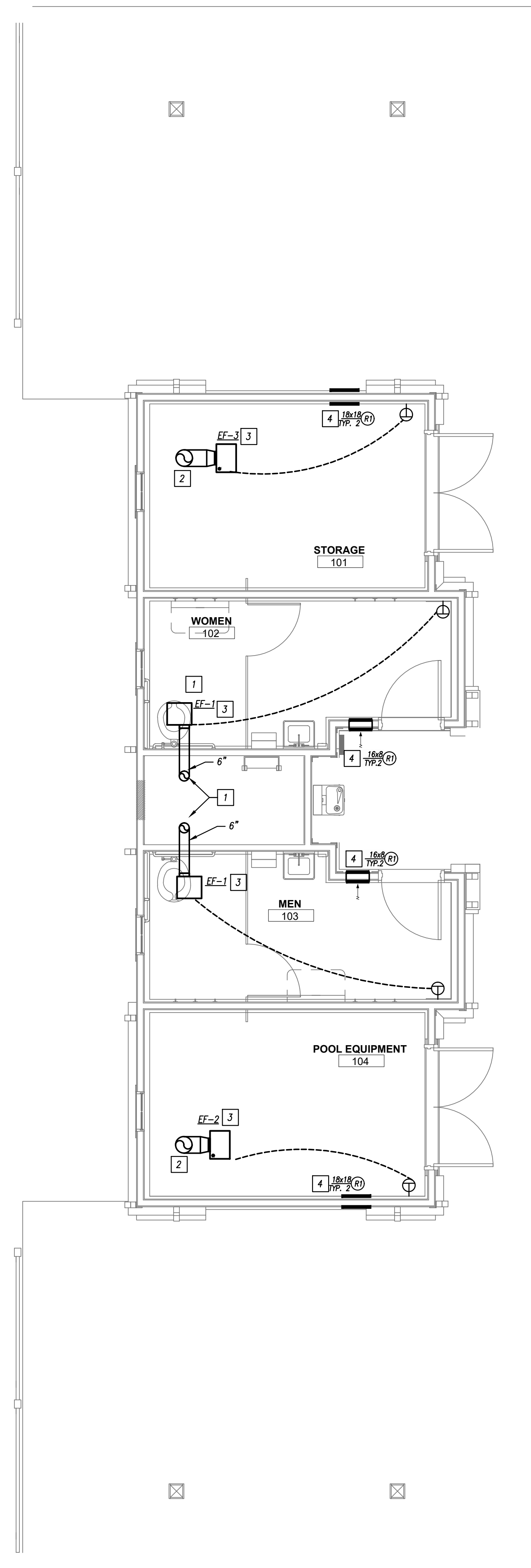
FLOOR PLAN - PLUMBING
1/4" = 1'-0"

GENERAL PLUMBING NOTES

1. REFER TO GENERAL NOTES ON MEP COVER SHEET FOR ADDITIONAL REQUIREMENTS OF WORK.
2. REFER TO PLUMBING FIXTURE / DRAIN SCHEDULES FOR PIPING SIZES FOR INDIVIDUAL CONNECTIONS TO FIXTURES AND RISERS NOT SHOWN ON PLANS.
3. NO SANITARY OR VENT PIPING BELOW GRADE SHALL BE LESS THAN 2".
4. NO DOMESTIC WATER PIPING SHALL BE SMALLER THAN 3/4" UNLESS NOTED OTHERWISE.
5. ALL VENT PIPING SHOWN IS DIAGRAMMATIC. USE APPROPRIATE FITTINGS FOR VENT PIPING BELOW FLOOD RIM OF FIXTURE.
6. NOT ALL INTERIOR CLEANOUTS ARE SHOWN FOR DRAWING CLARITY. CONTRACTOR SHALL INSTALL ALL CODE-REQUIRED CLEANOUTS (SEE GENERAL NOTES ON COVER SHEET). COORDINATE EXACT LOCATIONS OF CLEANOUTS WITH ARCHITECT.

PLUMBING PLAN KEYED NOTES

- 1 REFER TO CIVIL PLANS FOR CONTINUATION. COORDINATE EXACT LOCATION WITH CIVIL.
- 2 1-1/2" POOL WATER MAKE-UP LINE. REFER TO POOL PLANS FOR CONNECTION.
- 3 COORDINATE EXACT LOCATION WITH POOL EQUIPMENT.
- 4 REFER TO RISER DIAGRAM ON THIS SHEET FOR PIPE ROUTING.
- 5 2" PVC POOL DRAIN LINE SECURED TO THE WALL. TURN DRAIN LINE DOWN AT EXTERIOR WALL 12" ABOVE GRADE AT DRAIN INLET, AS SHOWN ON CIVIL PLANS. PROVIDE INSECT SCREEN OR CAP TO PREVENT INSECTS AND ANIMALS IN THE DRAIN LINE.
- 6 DRAIN LINE SHALL CONNECT TO OWNER PROVIDED POOL EQUIPMENT. CONTRACTOR SHALL COORDINATE POOL DRAIN CONNECTION WITH OWNER.
- 7 SHOWER HEAD SHALL BE INSTALLED AT 7'-6" AFF.
- 8 4" VENT THROUGH ROOF SHALL BE INSTALLED LOW ON SLOPPED ROOF. EXTERIOR VENT PIPING SHALL BE PAINTED TO MATCH ROOF. COORDINATE WITH ARCHITECT FOR COLOR AND FINISH. REFER TO ARCHITECTURAL DIMENSIONAL PLANS FOR VENT LOCATION.
- 9 PIPING SHALL NOT BE INSTALLED OVER ATTIC HATCH. PIPING SHOWN DIAGRAMMATIC FOR CLARITY ON PLANS.



FLOOR PLAN - MECHANICAL
1/4" = 1'-0"

GENERAL HVAC NOTES

1. REFER TO GENERAL NOTES ON MEP COVER SHEET FOR ADDITIONAL REQUIREMENTS OF WORK.
2. ROUND BRANCH DUCT RUNOUTS AND FLEXIBLE DUCT SHALL BE THE SAME SIZE AS THE DIFFUSER NECK UNLESS NOTED OTHERWISE.
3. MAXIMUM FLEXIBLE DUCT LENGTH SHALL BE 5'-0".
4. ALL AIR DISTRIBUTION DEVICES SHALL HAVE LOCKABLE VOLUME CONTROL DEVICES.
5. ALL 90 DEGREE TURNING ELBOWS SHALL BE SMOOTH ROUND OR SQUARE WITH TURNING VANES.
6. DUCT SIZES SHOWN ON PLANS ARE INSIDE FREE AREA.

HVAC PLAN KEYED NOTES

- 1 TERMINATE EXHAUST DUCT WITH 6" ROOF VENT CAP. ROOF CAP TO BE PAINTED TO MATCH ROOF. COORDINATE WITH ARCHITECT FOR COLOR/FINISH. REFER TO ARCHITECTURAL DIMENSIONAL PLANS FOR ROOF VENT LOCATION.
- 2 TERMINATE EXHAUST DUCT WITH 10" ROOF VENT CAP. ROOF CAP TO BE PAINTED TO MATCH ROOF. COORDINATE WITH ARCHITECT FOR COLOR/FINISH. REFER TO ARCHITECTURAL DIMENSIONAL PLANS FOR ROOF VENT LOCATION.
- 3 INSTALL EXHAUST FAN IN ATTIC WITH GRILLE FLUSH TO CEILING.
- 4 INSTALL RETURN GRILLES LOW ON WALL 12" A.F.F. WITH INSECT SCREEN BETWEEN GRILLES. SEAL AROUND GRILLE FRAME. PAINT GRILLE TO MATCH WALL. COORDINATE WITH ARCHITECTURAL PLANS FOR WALL COLOR AND FINISH.

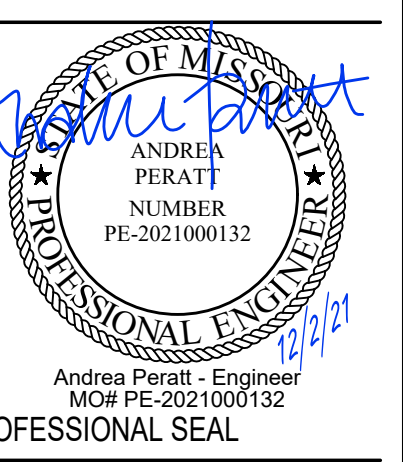


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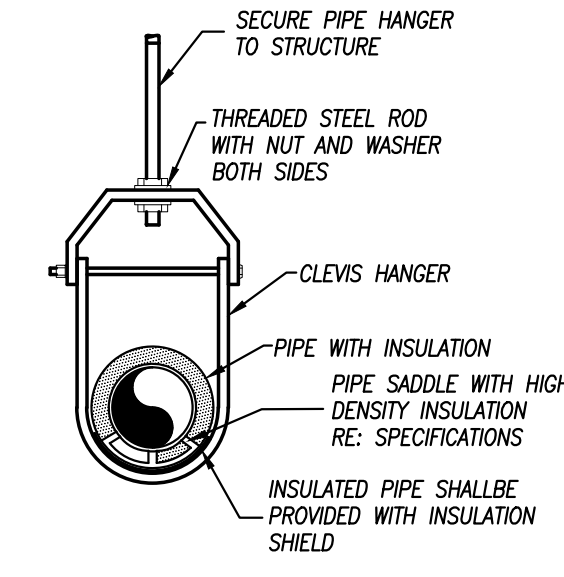
REVISION DATES:
CITY COMMENTS 10/26/2021
REVISION 2 12/02/2021



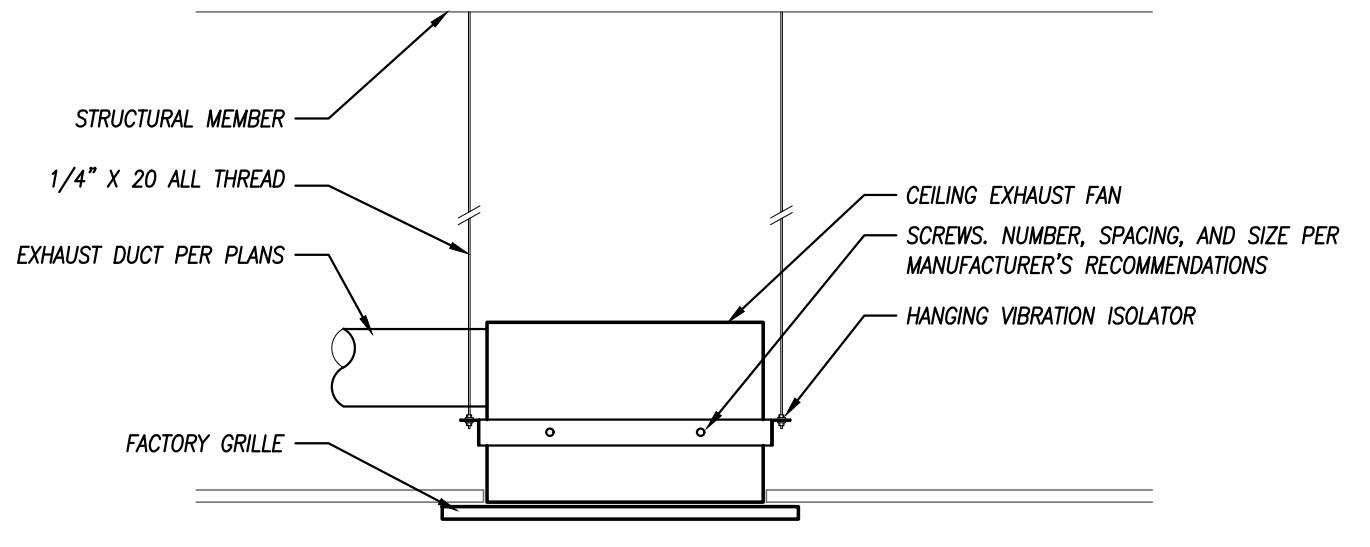
M101
ISSUE DATE: 18 OCT 2021
COLLINS WEBB #: 20032



MECHANICAL PLAN



PIPE HANGER DETAIL
NOT TO SCALE



CABINET EXHAUST FAN MOUNTING DETAIL
NOT TO SCALE

PLUMBING FIXTURE SCHEDULE									
MARK	FIXTURE MODEL	FIXTURE DESCRIPTION	FITTINGS MODEL	FITTINGS AND TRIM		REMARKS	PLUMBING FIXTURE PIPE SIZES		
				WASTE	VENT		DCW	DHW	
L-1	AMERICAN STANDARD 0355.012	ADA-COMPLIANT WALL-HUNG LAVATORY. 20"x18" WHITE VITREOUS CHINA BOWL WITH 4" BACK FOR USE WITH CONCEALED ARM HANGER. FAUCET HOLES COORDINATED WITH FAUCET AND TRIM. PROVIDE CONCEALED ARM CARRIER. MOUNT TOP OF RIM AT 34" A.F.F.	MOEN WS84503	FAUCET: CHROME PLATED CAST BRASS, 4" CENTERS, 4-1/2" SPOUT, 0.5 GPM, SINGLE HANDLE	1.2,3,4,5	2"	1-1/2"	1/2"	1/2"
WC-1	AMERICAN STANDARD MADERA 3043.001 CHURCH 9500C	ADA-COMPLIANT, 1.6 GALLON, FLOOR-MOUNTED FLUSH VALVE WATER CLOSET. TOP SPUD AND FLAT BOLT COVERS. WHITE VITREOUS CHINA ELONGATED BOWL. 16-1/2" HIGH. WHITE, SOLID PLASTIC, OPEN-FRONT SEAT FOR ELONGATED BOWL. INTERNAL BUMPERS. EXTERNALCHECK HINGES WITH STAINLESS STEEL PISTS.	SLOAN ROYAL 111	EXPOSED WATER CLOSET FLUSH VALVE. CHROME-PLATED, METAL OSCILLATING NON-HOLD-OPEN HANDLE. 1" I.P.S. SCREWDRIVER BACK-CHECK ANGLE STOP WITH PROTECTIVE CAP. ADJUSTABLE TAILPIECE. 1.6 GPM, VACUUM BREAKER FLUSH CONNECTION AND SPUD COUPLING FOR 1-1/2" TOP SPUD. PROVIDE WALL AND SPUD FLANGES. HANDLE HEIGHT PER MANUFACTURER'S RECOMMENDATIONS AND IN ACCORDANCE WITH ADA GUIDELINES.	6	4"	2"	1-1/4"	---
WH-1	WATS HT-440	EXPOSED, ANTI-SIPHON WALL HYDRANT. BRASS CASING, ALL-BRONZE INTERIOR PARTS. REPLACABLE BRONZE SEAT AND SEAT WASHER. COMBINATION 3/4" FEMALE AND 1" MALE IP INLET CONNECTION STANDARD. INCLUDES OPERATING KEY.	---	---	---	---	---	---	3/4"
JS-1	FAT MSB-2424	JANITORS SINK: 24"x24"x10", WHITE, ONE-PIECE MOLDED STONE MOP BASIN. UNIT SHALL BE ONE HOMOGENOUS PIECE. STAINLESS STEEL INTEGRAL DRAIN BODY WITH CALKED CONNECTION FOR 3" PIPE. PROVIDE STAINLESS STEEL BUMPER AND WALL GUARDS, MOP BRACKETS, HOSE RACK.	CHICAGO FAUCET 897-CP	C.P. SERVICE SINK FITTING WITH VACUUM BREAKER, 3/4" HOSE THREAD ON SPOUT, ADJUSTABLE WALL BRACE, PAL HOOK, AND 1/2" FLANGED FEMALE ADJUSTABLE ARMS WITH INTERNAL STOPS. CAULK BETWEEN WALL AND FLANGE WITH GEL SILICONE SEALANT. 3" C.L. 7" TRAP.	---	3"	2"	1/2"	1/2"
SH-1	---	---	---	---	---	---	---	---	1/2"

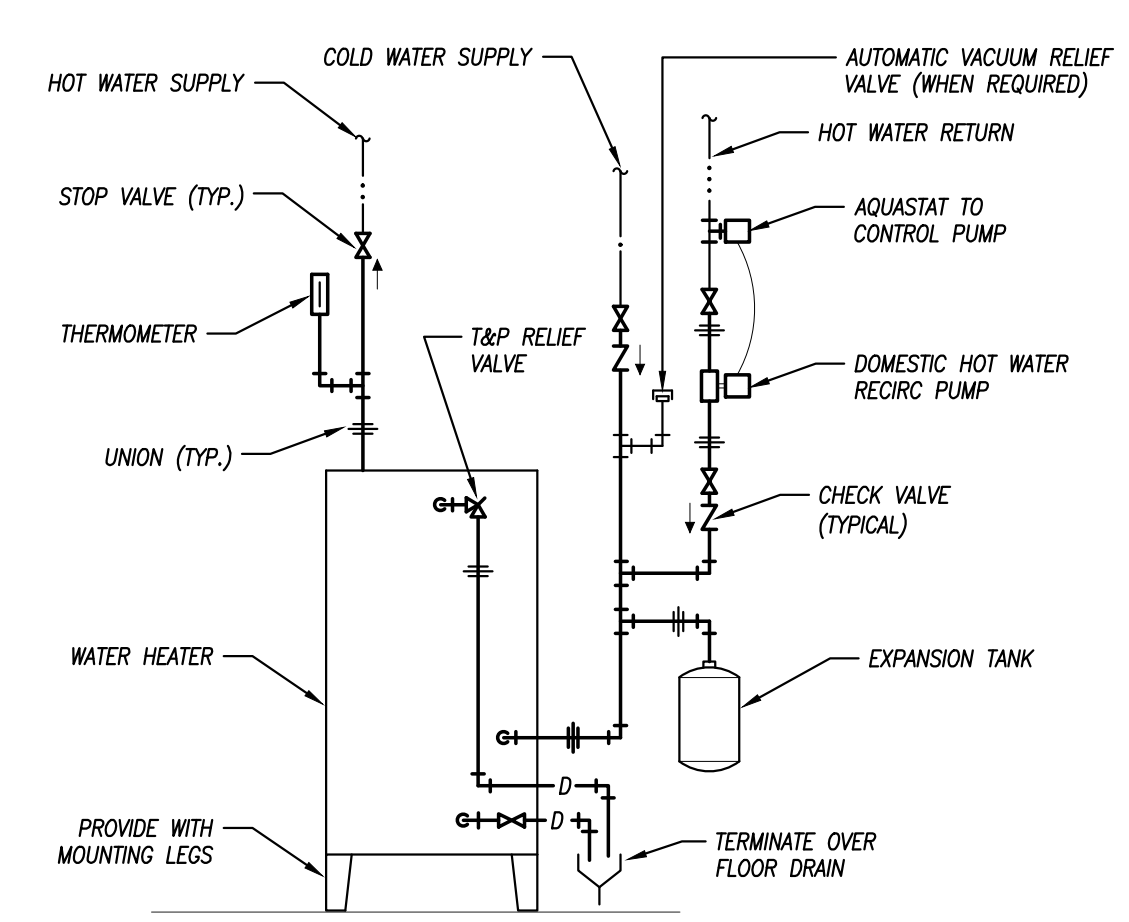
PIPING MATERIAL & INSULATION SCHEDULE									
SYSTEM	SIZE	TYPE/SCHED	MATERIAL	ACCEPTABLE FITTINGS	FIELD TEST PRESSURE/TIME	ALLOWABLE IN PLENUMS	INSULATION		
							TYPE	THICKNESS	
DOMESTIC COLD WATER	1/2"-2-1/2"	L	COPPER	SOLDER, PRO-PRESS	130 PSI - 1/2HR	YES	FIBERGLASS W/ ASI	1/2"	
DOMESTIC HOT WATER & HW RETURN	1/2"-1-1/4"	L	COPPER	SOLDER, PRO-PRESS	130 PSI - 1/2HR	YES	FIBERGLASS W/ ASI	1"	
SOIL & WASTE ABOVE GRADE	1-1/2"-6"	NO HUB / SERVICE WT.	CAST IRON	NO HUB	10 FT - 1/2HR	NO	---	---	
SOIL & WASTE ABOVE GRADE	2"-8"	SCH. 40	PVC	SOLVENT JOINED	10 FT - 1/2HR	NO	---	---	
SOIL & WASTE BELOW GRADE	2"-8"	SCH. 40	PVC	SOLVENT JOINED	10 FT - 1/2HR	NO	---	---	
DOM. WATER SERVICE BELOW GRADE	1"-3"	K	COPPER	CONTINUOUS TUBING, BRAZED	130 PSI - 1/2HR	YES	---	---	
DOM. WATER SERVICE BELOW GRADE	1"-3"	DR 9	HDFE	CONTINUOUS TUBING, FUSED	130 PSI - 1/2HR	NO	---	---	

NOTES:
1. ALL PIPING AND MATERIALS IN PLENUMS MUST MEET ASTM E84 FLAME/SMOKE RATING OF 25/50.
2. ALL INSULATION THICKNESSES SHALL MEET ADOPTED IECC AND ASHRAE 90.1 - 2016 REQUIREMENTS AT A MINIMUM.
3. REFER TO SPECIFICATIONS FOR MORE DETAILED INFORMATION.

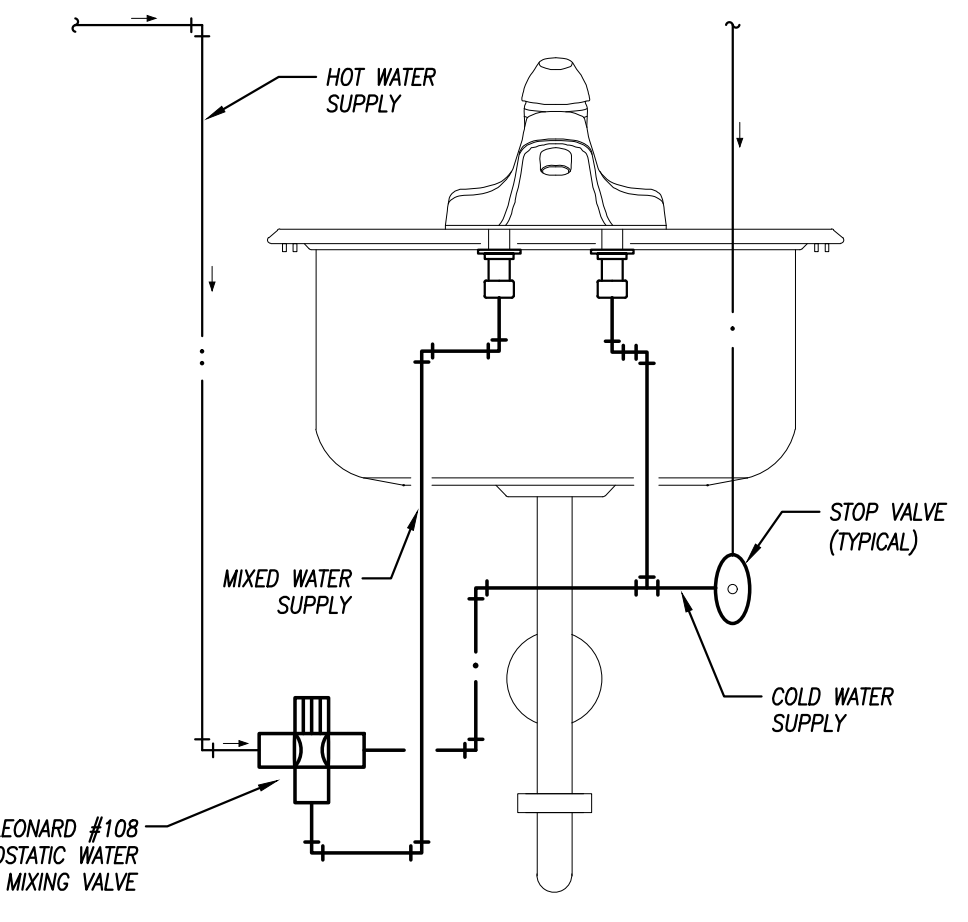
GRILLE, REGISTER & DIFFUSER SCHEDULE													
PLAN MARK	MANUFACTURER	MODEL NUMBER	MATERIAL	STYLE	DESCRIPTION	MOUNT TYPE	FACE SIZE (IN)	NECK SIZE (IN)	VOLUME DAMPER	MAX APD (IN. WG.)	MAX NC	FINISH COLOR	NOTES
RT	TITUS	JDR1	STEEL	SQUARE WALL	HEAVY DUTY GRILLE WITH 3/8" SPACING AND 0° DEFLECTION	WALL	AS INDICATED	AS INDICATED	NO	0.08	25	PAINTABLE	1

GENERAL REMARKS:
1. PROVIDE ALL GRID WITH ALL NECESSARY MOUNTING HARDWARE.
2. PROVIDE GRID WITHOUT SCREWS WHEN INSTALLED IN LAY-IN CEILINGS.

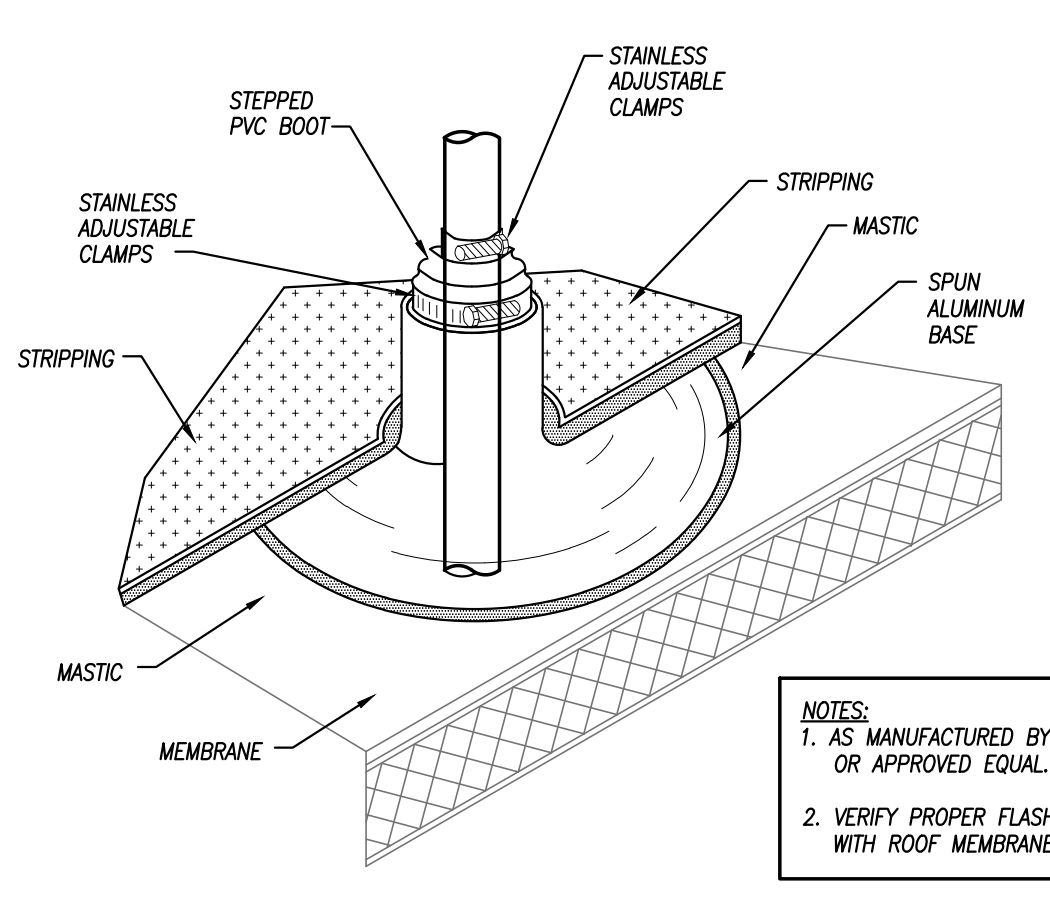
NOTES:
1. PRIME AND PAINT TO MATCH WALL COLORS.



ELECTRIC WATER HEATER
NOT TO SCALE



HAND WASHING SINK/LAVATORY TEMPERED WATER SCHEMATIC
NOT TO SCALE



ROOF PLUMBING VENT
NOT TO SCALE

EXHAUST FAN SCHEDULE													
PLAN MARK	MANUFACTURER	MODEL NUMBER	TYPE	SERVICE	FAN DATA				ELECTRICAL	CONTROL	REMARKS		
					CFM	E.S.P. (IN)	HP	DRIVE				SONES	RPM
EF-1	COOK	GC-148	CEILING CABINET	BATHROOM	125	0.250	48W	DIRECT	2.5	1,075	120V / 1PH	THERMOSTAT	1,2
EF-2	COOK	GC-342	CEILING CABINET	POOL EQUIP.	325	0.375	131W	DIRECT	5.5	1,600	120V / 1PH	THERMOSTAT	1,2
EF-3	COOK	GC-422	CEILING CABINET	STORAGE	250	0.375	107W	DIRECT	4.5	1,500	120V / 1PH	THERMOSTAT	1,2

REMARKS:
1. PROVIDE WITH LINE VOLTAGE THERMOSTAT.
2. PROVIDE WITH SPEED CONTROLLER.

WATER HEATER SCHEDULE - ELECTRIC										
PLAN MARK	MANUFACTURER	MODEL NUMBER	GALLONS	STYLE	HEIGHT (IN)	# HTG. ELEMENTS	WATTS	RECOVERY @ 80° RISE	VOLTAGE/ PHASE	REMARKS
WH-1	STATE	ENG	30	TALL	47	2	4,500	21	240V / 1PH	1,2

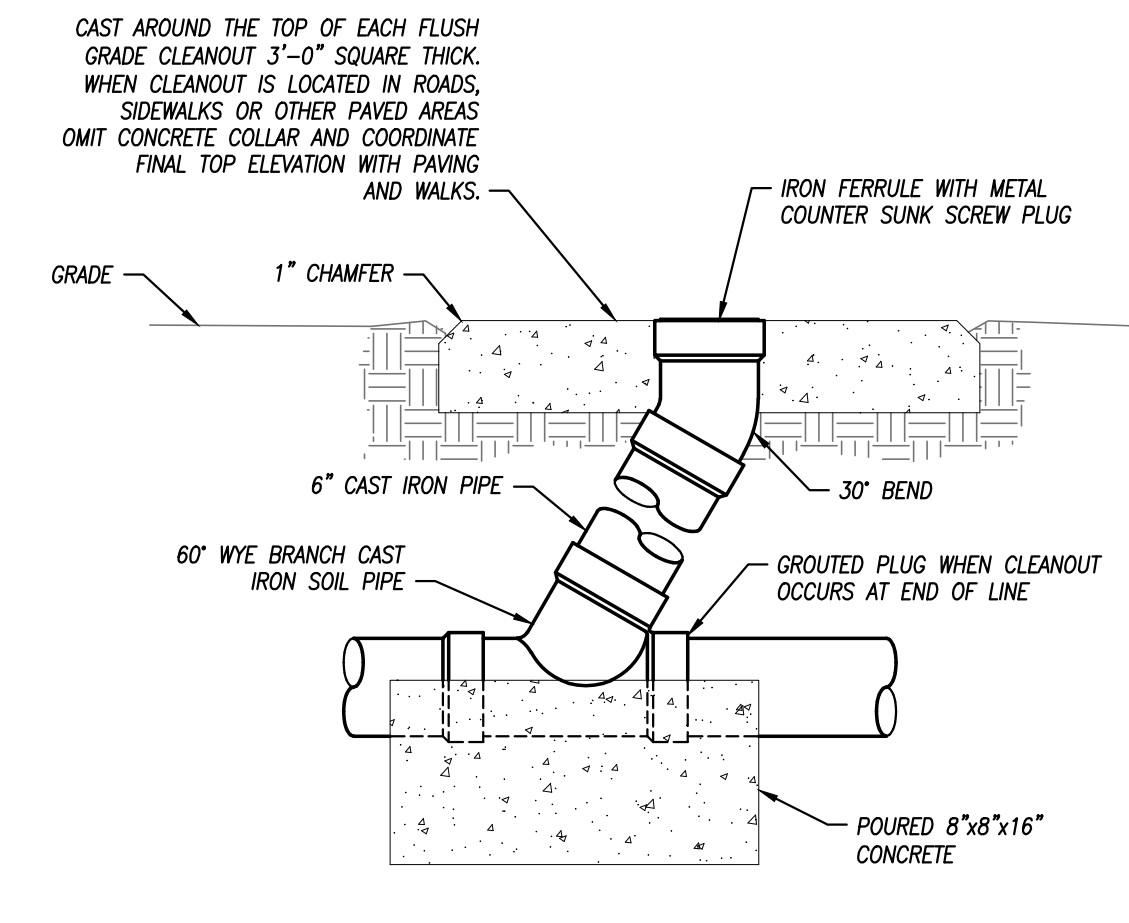
REMARKS:
1. GLASS LINED TANK.
2. PROVIDE WITH TAMPER RESISTANT DRAIN VALVE.

DOMESTIC RECIRCULATION PUMP SCHEDULE									
PLAN MARK	MANUFACTURER	MODEL NUMBER	GPM	HEAD (FT. WC)	WATTS	MAX. RPM	ELECTRICAL	NOTES	
RP-1	BELL & GOSSETT	NBP-12	3.0	7.0	55	2,800	120V / 1 PH	1,2,3	

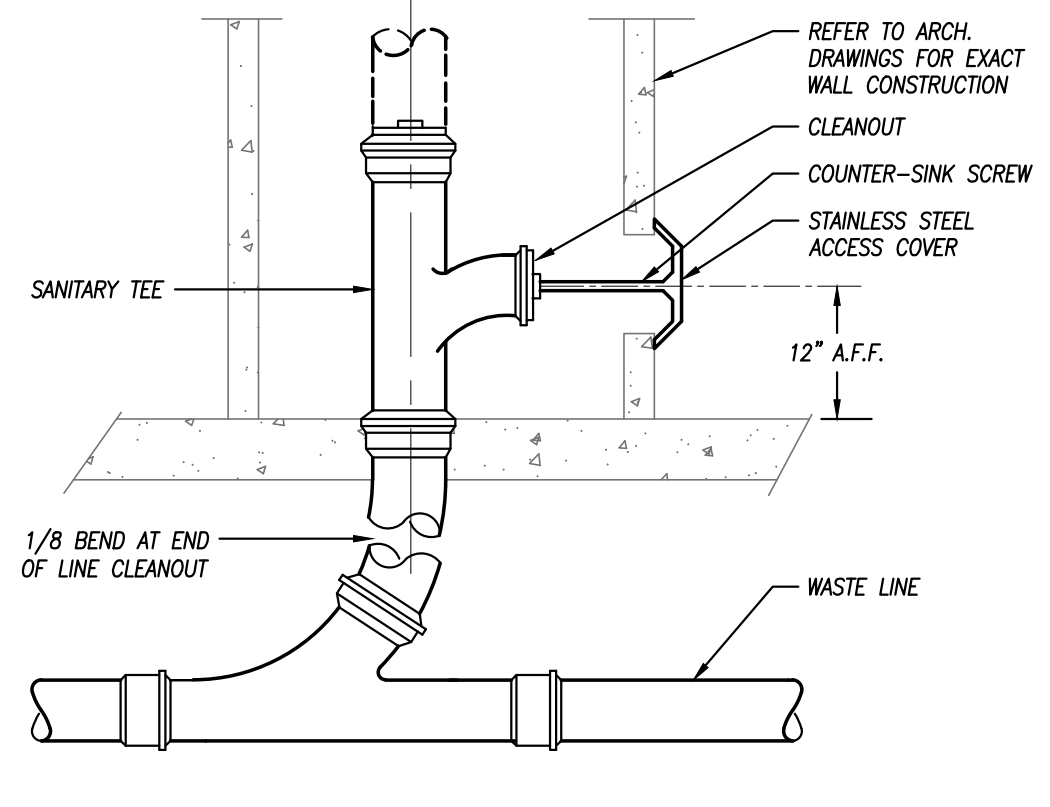
REMARKS:
1. ALL BRONZE CONSTRUCTION.
2. PROVIDE WITH MOTOR RATED DISCONNECT, ADJUSTAT AND TIMER FOR OPERATION OF PUMP
3. MOUNT PUMP AND ACCESSORIES NEAR WATER HEATER AND NO HIGHER THAN 6' AFF.

FLOOR / ROOF DRAIN SCHEDULE									
PLAN MARK	MANUFACTURER	MODEL NUMBER	SERVICE	TOP/GRATE SIZE	WASTE SIZE	REMARKS			
FD-1	WATTS	FD-100L-6-2	FLOOR DRAIN	6"ø	2"	1			
FD-2	WATTS	FD-100L-6-4	FLOOR DRAIN	6"ø	4"	1			

REMARKS:
1. PROVIDE WITH NICKEL BRONZE TOP AND TRAP SEAL.



FLUSH GRADE CLEANOUT DETAIL
NOT TO SCALE



WALL CLEANOUT DETAIL
NOT TO SCALE

WATER HAMMER ARRESTERS:									
FIXTURE UNITS (FU)	UNIT SIZE	ASSE	TOP/GRATE SIZE	WASTE SIZE	REMARKS				
1-11	A	ASSE 1010 OR PDI-WH 201, PISTON TYPE WITH PRESSURIZED METAL-TUBE CUSHIONING CHAMBER. SIZES INDICATED ARE BASED ON ASSE 1010, SIZES AA AND A THROUGH F OR PDI-WH 201, SIZES A THROUGH F. MANUFACTURERS: AMTROL, JOSAM, SIOUX CHEF, WATTS, ZURN.							
12-32	B								
33-60	C								
61-113	D								
114-154	E								
155-330	F								

WHEN NO FLUSH VALVES ARE INSTALLED ON A BRANCH OF PIPING PROVIDE 3/4"x12" AIR CHAMBERS AT EACH HOT AND COLD WATER SUPPLY CONNECTION TO A PLUMBING FIXTURE. CONTRACTOR MAY PROVIDE WATER HAMMER ARRESTERS ABOVE THE CEILING BEFORE GROUPING INTO MASONRY CONSTRUCTION IN LIEU OF AIR CHAMBERS. CONNECTIONS TO OTHER ITEMS SUCH AS WASHERS, ICE MAKERS, OR OTHER EQUIPMENT SHALL BE PROVIDED WITH AN APPROPRIATELY SIZED WATER HAMMER ARRESTER FOR EACH WATER CONNECTION.



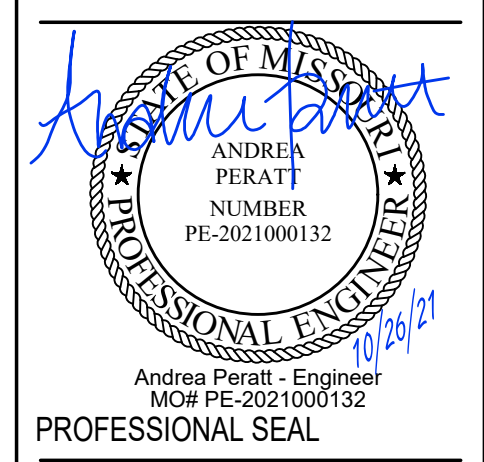
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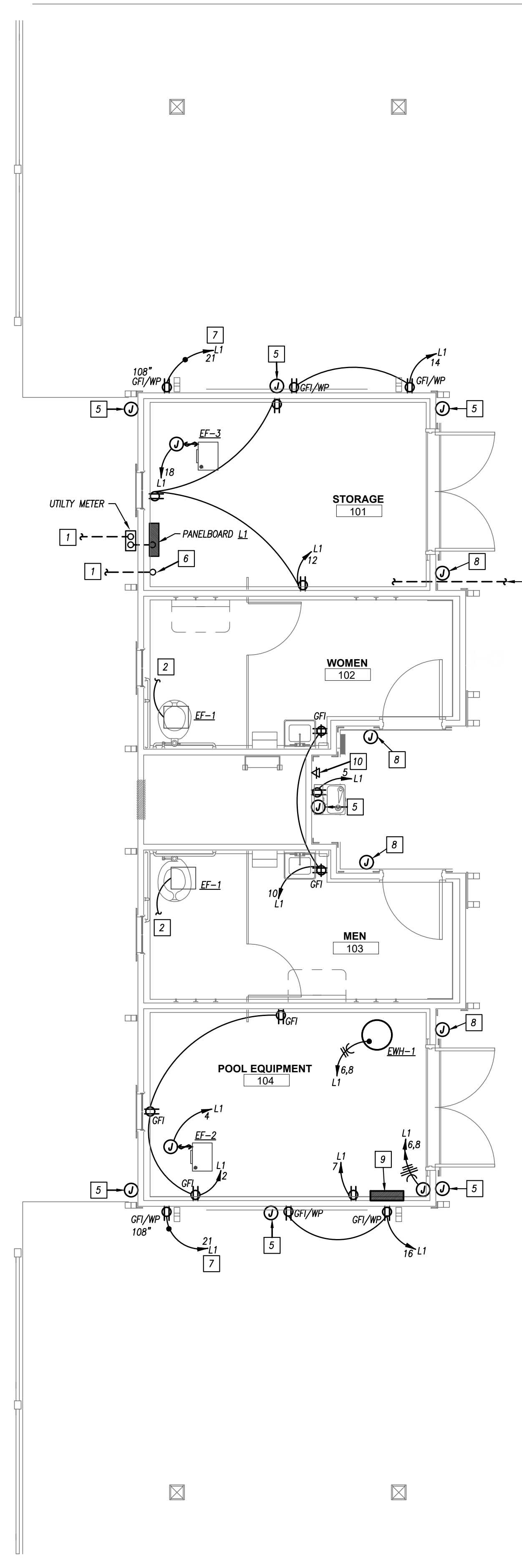
MECHANICAL SCHEDULES & DETAILS

GENERAL POWER NOTES

1. REFER TO GENERAL NOTES ON MEP COVER SHEET FOR ADDITIONAL REQUIREMENTS OF WORK.
2. COORDINATE EXACT NEMA CONFIGURATIONS OF RECEPTACLES SERVING EQUIPMENT WITH EXACT EQUIPMENT BEING FURNISHED.
3. REFER TO THE SPECIFICATIONS FOR ADDITIONAL LOCATIONS/REQUIREMENTS FOR RECEPTACLES, INCLUDING GFCI, WEATHER-RESISTANT, HOSPITAL-GRADE, AND TAMPER-RESISTANT RECEPTACLES.
4. EXACT MECHANICAL EQUIPMENT LOCATIONS MAY NOT BE SHOWN FOR CLARITY. COORDINATE EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT, DUCT DETECTORS, ETC. WITH MECHANICAL DRAWINGS AND CONTRACTOR.
5. COORDINATE EXACT LOCATIONS OF SMOKE DETECTORS WITH CEILING FANS, HAND DIFFUSERS, SPRINKLER HEADS, ETC. PER NFPA REQUIREMENTS.
6. RACEWAY WIRE IS ACCEPTABLE WHERE IT MEETS NEC AND LOCAL CODES. NOTE THAT IT CANNOT BE INSTALLED IN EXPOSED LOCATIONS SUBJECT TO DAMAGE OR IN LAY-IN CEILINGS.

POWER PLAN KEYED NOTES

- 1 REFER TO SITE PLAN FOR CONTINUATION.
- 2 CONNECT TO LIGHTING CIRCUIT IN ROOM. FANS TO BE CONTROLLED BY THERMOSTAT.
- 3 EXTEND POOL BONDING GRID TO CIRCULATION PUMP ENCLOSURE PER NEC, POOL BONDING BY OTHERS.
- 4 PROVIDE ELECTRICAL CONNECTION TO POOL PUMPS AND STARTERS BY POOL EQUIPMENT PROVIDER.
- 5 PROVIDE ROUGH-IN AND (2) 1" CONDUIT WITH PULL STRINGS BACK TO STORAGE ROOM FOR FUTURE CAMERA. INSTALL JUNCTION BOX UNDER SANG/TRELLIS. COORDINATE ROUGH-IN WITH ARCHITECT/OWNER.
- 6 2" CONDUIT FOR COMMUNICATION SERVICES.
- 7 ROUTE TO HOMERUN PANEL VIA PHOTOCELL.
- 8 PROVIDE ROUGH-IN AND (2) 1" CONDUIT BACK TO STORAGE ROOM FOR FUTURE CARD READER.
- 9 100A, 120/240 POOL LOAD CENTER PROVIDED BY POOL CONTRACTOR.
- 10 EMERGENCY PHONE LINE SHALL BE ROUGH-IN A 48" AFF. CONTRACTOR TO FURNISH, ROUGH-IN WIRE AND PROGRAM MODEL TYPE: VIKING ADA COMPLIANT RED EMERGENCY PHONE.



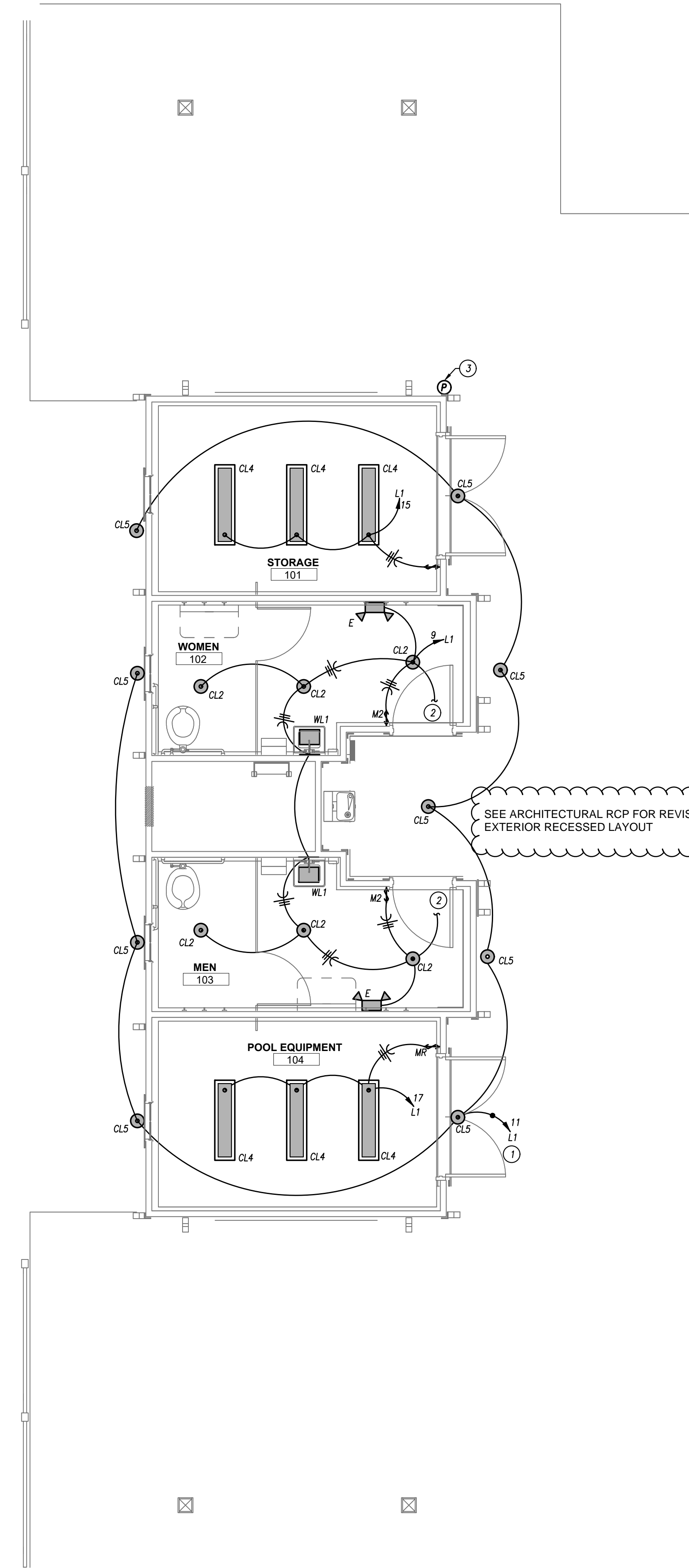
FLOOR PLAN - POWER
1/4" = 1'-0"

GENERAL LIGHTING NOTES

1. REFER TO GENERAL NOTES ON MEP COVER SHEET FOR ADDITIONAL REQUIREMENTS OF WORK.
2. LIGHT FIXTURES INDICATED AS EMERGENCY FIXTURES ARE TO FUNCTION AS NIGHT LIGHTS UNLESS SPECIFICALLY SHOWN SWITCHED.
3. ALL CIRCUITING SHOWN ON THIS PLAN IS DIAGRAMMATIC.
 - 3.1. ALL FIXTURES SHALL BE FED FROM JUNCTION BOXES WITH LIGHT FIXTURE WHIPS (<8'). DASHY-CHAINING OF FIXTURES IS NOT ALLOWED.
 - 3.2. SWITCH BOX LOCATIONS SHALL BE WIRED SO THAT A NEUTRAL WIRE IS AVAILABLE AT THE SWITCH BOX LOCATION, EITHER IN THE BOX OR AVAILABLE TO BE ADDED VIA RACEWAY OR AN ACCESSIBLE WALL CAVITY.
 - 3.3. WALL SWITCHES FOR SEPARATE LOAD TYPES (E/M/NORMAL, 120/277V, ETC.) SHALL NOT BE IN A SINGLE BOX.
 - 3.4. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

LIGHTING PLAN KEYED NOTES

- 1 ROUTE HOMERUN TO PANEL VIA PHOTOCELL.
- 2 TO EXHAUST FAN.
- 3 PHOTOCELL (709K 2001 SERIES) ORIENT TO NORTH.



FLOOR PLAN - LIGHTING
1/4" = 1'-0"

LIGHTING CONTROLS

- SYMBOLS**
- 1 WALL SWITCH VACANCY SENSOR: PASSIVE INFRARED, 120/277V, WALL SWITCH DECORA STYLE SENSOR. (WAITSTOPPER PW-101, OR EQUAL.)
 - 2 WALL SWITCH MOTION SENSOR (DUAL TECHNOLOGY): PASSIVE INFRARED AND ULTRASONIC, 120/277V, DECORA STYLE SENSOR. (WAITSTOPPER DSW-100, OR EQUAL.)
 - 3 WALL SWITCH MOTION SENSOR (DUAL RELAY): PASSIVE INFRARED, DUAL RELAY, 120V, DECORA STYLE SENSOR. (WAITSTOPPER PW-201, OR EQUAL.)

TRAINING AND PROGRAMMING

- OWNER TRAINING**
- PROVIDE FACTORY REPRESENTATIVE TRAINING TO OWNER FOR EACH LIGHTING CONTROL SYSTEM UTILIZED, INCLUDING PROGRAMMING FOR SCHEDULING AND OPERATION OF EACH ROOM PER OWNER DIRECTION.
 - PROVIDE RECORD OF TIME DELAY SETTINGS ON ALL SENSOR DEVICES FOR OWNER USE.
- SENSOR ADJUSTMENTS AND SETTINGS:**
- SYSTEMS SHALL BE SET/PROGRAMMED TO OPERATE TYPICALLY IN MANUAL ON/AUTO OFF MODE.
 - 1. SET WALL MOUNTED MOTION SENSOR TO MANUAL ON MODE.
 - 2. SET POWER PACKS AND ROOM CONTROLLERS CONTROLLED BY MOTION SENSORS TO MANUAL ON AND CONTROL WITH MOMENTARY WALL SWITCH.
 - PROVIDE FINAL SETTINGS/ADJUSTMENTS PER OWNER'S DIRECTION.



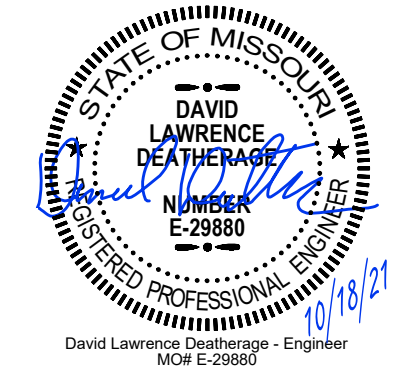
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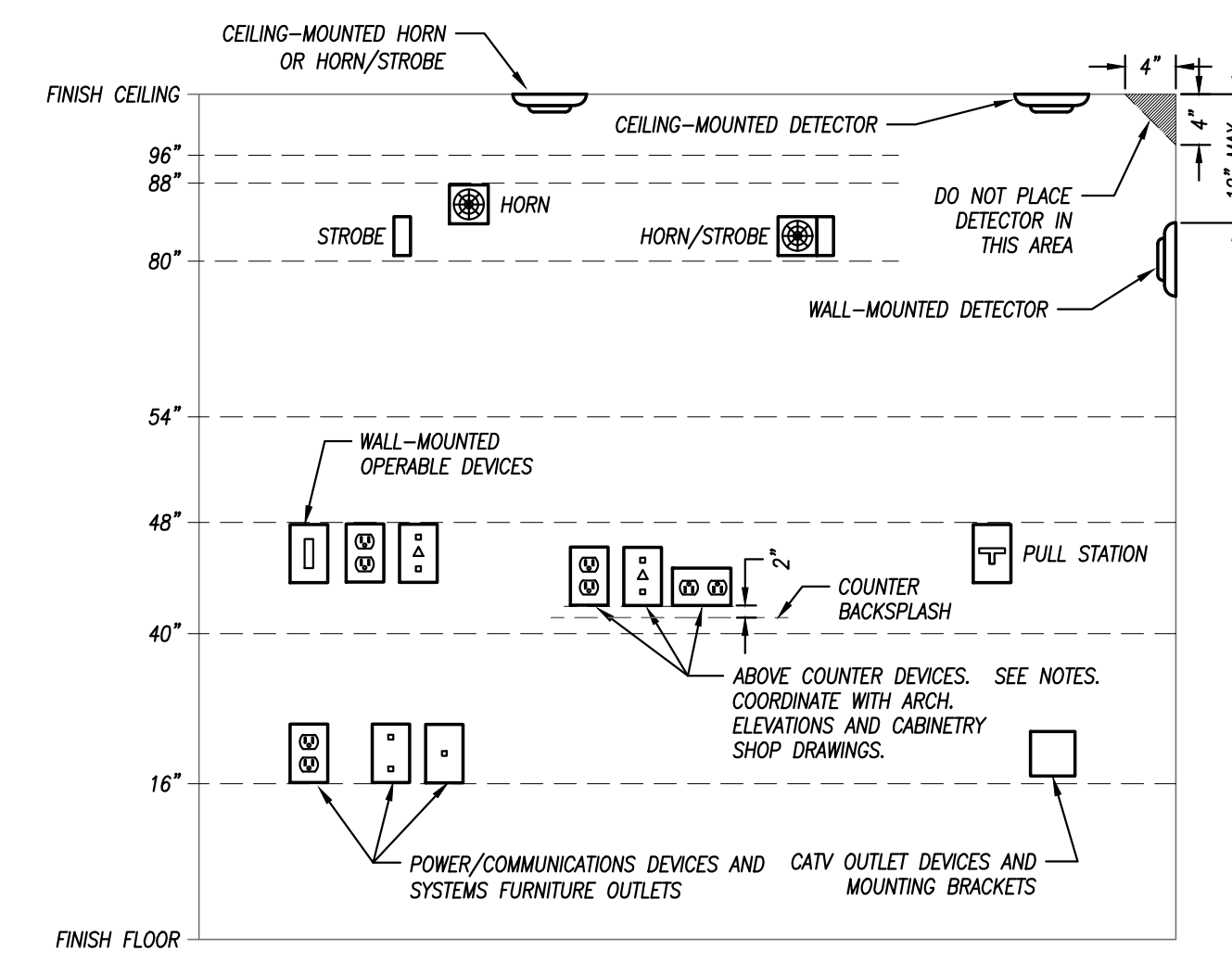
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ELECTRICAL PLAN



GENERAL NOTES:
 1. MOUNTING HEIGHTS SHOWN IN THIS DETAIL ARE TYPICAL UNLESS OTHERWISE NOTED ON THE PLANS.
 2. SEE ARCHITECTURAL ELEVATIONS FOR SPECIAL CONDITIONS. NOTIFY ARCHITECT IMMEDIATELY OF ANY CONFLICTS.
 3. ALL INSTALLATIONS SHALL COMPLY WITH ADA.

VISUAL FIRE ALARM NOTIFICATION DEVICES (STROBE)
 LOCATE DEVICE SO THE BOTTOM OF THE DEVICE IS BETWEEN 80" AND 96" A.F.F. (NFPA) OR 6" BELOW CEILING, WHICHEVER IS LOWER (ADA 2010).

AUDIBLE FIRE ALARM NOTIFICATION DEVICES (HORN)
 LOCATE DEVICE SO THAT THE TOP OF HORN IS NOT MORE THAN 30" A.F.F. AND NOT LESS THAN 6" BELOW CEILING (NFPA).

FIRE ALARM ACTIVATION DEVICES (PULL STATION)
 LOCATE FRONT-APPROACH DEVICES SO THAT THE HIGHEST OPERABLE PORTION OF THE DEVICE IS NOT MORE THAN 48" A.F.F. (ADA 2010) AND NOT LESS THAN 42" A.F.F. (NFPA).

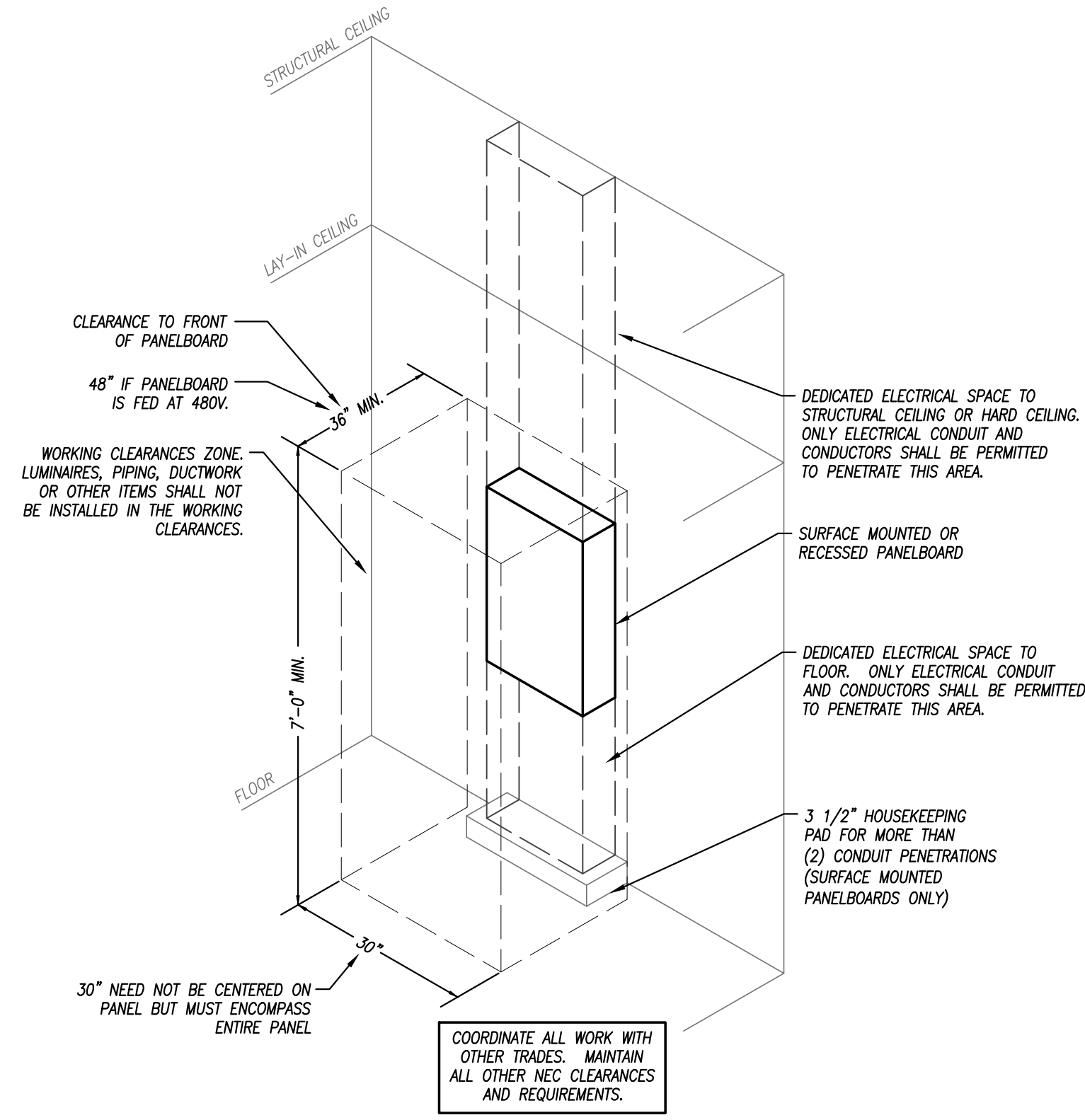
POWER/COMMUNICATION DEVICES:
 OUTLETS SHALL BE LOCATED AT 18" A.F.F. TO THE BOTTOM OF THE BOX. ABOVE COUNTER DEVICES SHALL BE LOCATED AT 2" ABOVE THE BACKSLASH OF THE COUNTER TO THE BOTTOM OF THE DEVICES. VERIFY WITH ARCHITECTURAL DETAILS.

WALL-MOUNTED OPERABLE DEVICES:
 OPERABLE DEVICES SHALL BE LOCATED AT 48" A.F.F. TO THE TOP OF THE OPERABLE PORTION OF THE DEVICE.

WALL-MOUNTED OPERABLE DEVICES INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING:
 LIGHT SWITCHES, DIMMERS, CONTROLS, ETC.
 PULL BUTTONS
 NURSE/PATIENT CALL DEVICES (INCLUDING THOSE FOR STAFF USE)
 OTHER CONTROL OR "CALL" DEVICES

MOUNTING HEIGHTS FOR WALL-MOUNTED DEVICES

NOT TO SCALE



TYPICAL PANELBOARD INSTALLATION DETAIL

NOT TO SCALE

LIGHT FIXTURE SCHEDULE						
FIXTURE TYPE	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	LAMP NUMBER / DESCRIPTION	VOLTAGE	REMARKS
CL2	LIGHTFOILER	SSR	5" SURFACE MOUNTED LED DOWNLIGHT WITH WHITE TRIM RING.	ONE (1) 9.5 WATT, 1500 LUMEN, LED MODULE. 3000K CCT.	120	1
CL4	WILLIAMS	SERIES 75R	4"-3" LONG STRIP FIXTURE. SURFACE MOUNT. FINISH WITH ROUNDED ACRYLIC LENS. ALL PARTS PAINTED WHITE AFTER FABRICATION. ELECTRONIC DRIVER. PRE-WIRED FOR NON-DIMMING APPLICATIONS.	ONE (1) 23 WATT, 3200 LUMEN, LED MODULE. 3000K CCT.	120	1
CL5	LIGHTFOILER	SSR	SAME AS FIXTURE TYPE "CL2" EXCEPT INSTALL PER WET LOCATION.	ONE (1) 9.5 WATT, 1500 LUMEN, LED MODULE. 3000K CCT.	120	1
E	DUAL-LITE	LZ SERIES	LOW-PROFILE EMERGENCY LIGHTING UNIT. FLAME-RATED, UV-STABLE THERMOPLASTIC HOUSING. TWO (2) SEMI-RECESSED, ADJUSTABLE "EYEBALL" HEADS WITH GLASS LENS. WHITE FINISH. MAINTENANCE-FREE BATTERY FOR 90 MINUTE OPERATION OF LAMPS. INTEGRAL TEST SWITCH AND AC-ON INDICATOR. FINISH WITH REMOTE CAPACITY WHERE INDICATED. WITH REMOTE HEAD.	TWO (2) 1 WATT LED	120	1
WL1	DESIGNER'S FOUNTAIN	33121-WP	EXTERIOR WALL-MOUNTED INCANDESCENT LAMP. RATED FOR WET LOCATION, FINISH BY ARCHITECT.	100 WATT, 3000K	120	1

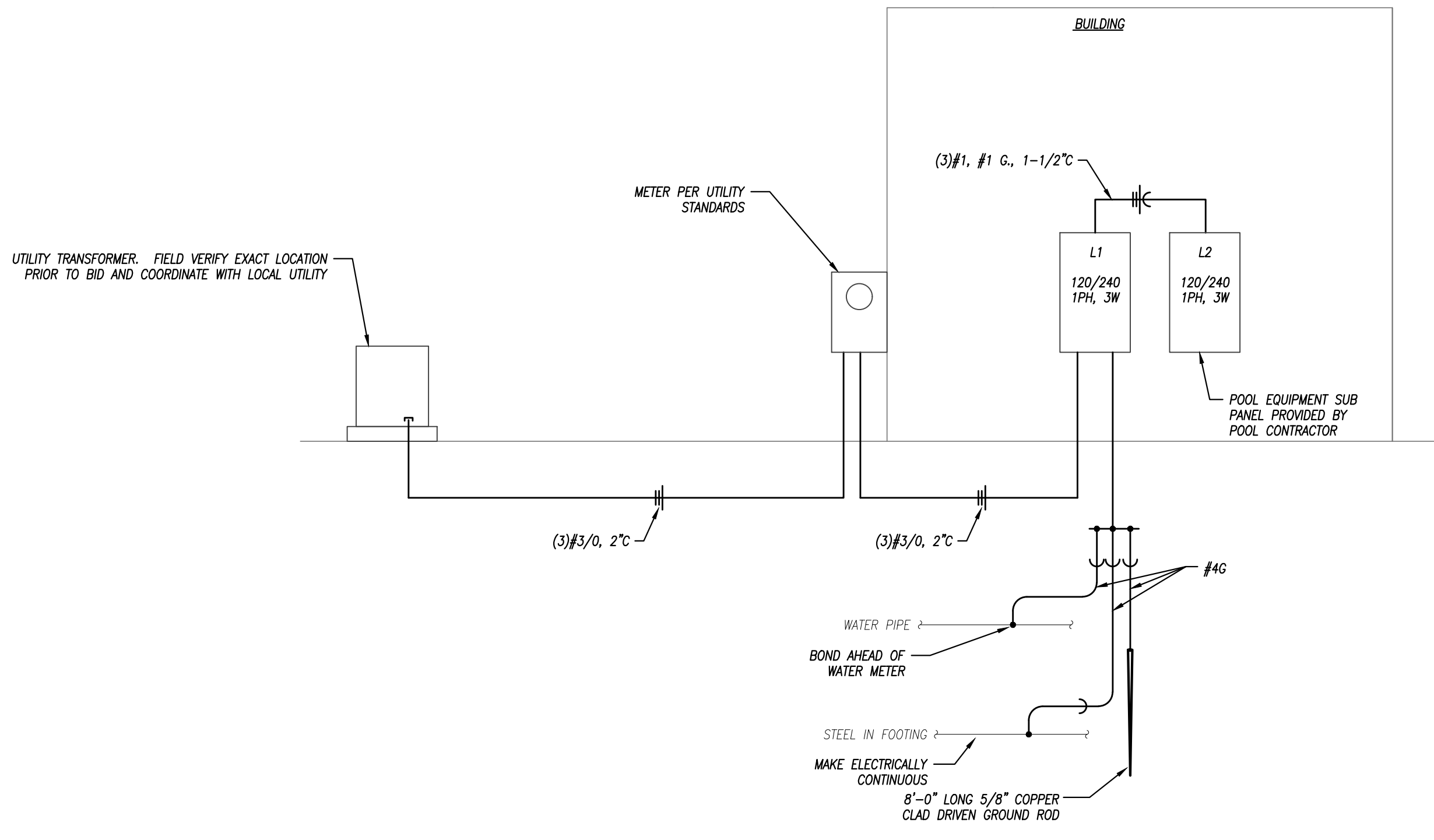
REMARKS:
 1. FURNISH WITH AND INSTALL ALL NECESSARY HARDWARE AND MOUNTING BRACKETS.

SINGLE-SECTION PANELBOARD SCHEDULE										
PANEL DESIGNATION: L1		MOUNTING: SURFACE		LOCATION: STORAGE ROOM		CIRCUIT #		MAIN LUG AMPS: 225		
								MAIN BREAKER: 200		
								VOLTAGE: 240/120		
								PHASE/WIRE: 1Ø, 3Ø		
DESCRIPTION	PHASE		TRIP	POLE	C/B		PHASE	DESCRIPTION		
	A	B			POLE	TRIP				A
POOL SUB PANEL	9600	100	2	1 2	1	2	1	540	135	REC. POOL EQUIP. ROOM
DRINKING FOUNTAIN	1200	9600		3	4	1	15	2250	135	EF-2
IRRIGATION CONTROLLER	1200	30		1	7	8	2	30		WH-1
LITG BATHROOM	360	20		1	9	10	1	20	360	REC. RESTROOM
LITG EXTERIOR	90	20		1	11	12	1	20	540	REC. STORAGE ROOM
POOL EQUIPMENT	1200	20		1	13	14	1	20	540	REC. COVERED AREA
LITG STORAGE ROOM	70	20		1	15	16	1	20	540	REC. COVERED AREA
LITG EQUIPMENT ROOM	70	20		1	17	18	1	20	107	EF-3
MONUMENT SIGNAGE	1920	20		1	19	20	1	20		SPARE
SPARE	20	1	21	22	1	20				SPARE
SPARE	20	1	23	24	1	20				SPARE
SPARE	20	1	25	26	1	20				SPARE
SPARE	20	1	27	28	1	20				SPARE
SPARE	20	1	29	30	1	20				SPARE
SPARE	20	1	31	32	1	20				SPARE
SPARE	20	1	33	34	1					SPARE
SPARE	20	1	35	36	1					SPARE
SPARE	20	1	37	38	1					SPARE
SPARE	20	1	39	40	1					SPARE
SPARE	20	1	41	42	1					SPARE
TOTALS	12430	12880						3787	3465	TOTALS

PANELBOARD SIZING LOAD			
LOAD DESCRIPTION	CONNECTED	DEMAND	CODE MIN (VA)
LIGHTS	2,510	1.25	3,138
RECEPTACLES	2,520	10kVA + 50% REST	2,520
MOTORS	3,842	1.25 x LARGEST + SUM OF REST	4,142
AIR CONDITIONING	0	1.00	0
SPACE HEATING	0	0.00	0
CONTINUOUS	1,200	1.25	1,500
NON-CONTINUOUS	19,200	1.00	19,200
MISC. LOADS 1	4,500	1.00	4,500
MISC. LOADS 2	0	1.00	0
SIZING LOAD:		35,000	
SIZING LOAD (AMPS):		146	

CONNECTED PHASE LOADS		
PHASE	VA	AMPS
A	16,227	135.2
B	16,345	136.2
TOTALS	32,572	135.7

REMARKS:
 1. CUTLER HAMMER POW-R-LINE 1A OR EQUAL.
 2. PROVIDE SHUNT TRIP BREAKER WITH ACTUATION BY MUSHROOM PUSHBUTTON ON OUTSIDE WALL.
 3. 'G' = GFCI TYPE BREAKER



ELECTRICAL RISER DIAGRAM

NOT TO SCALE



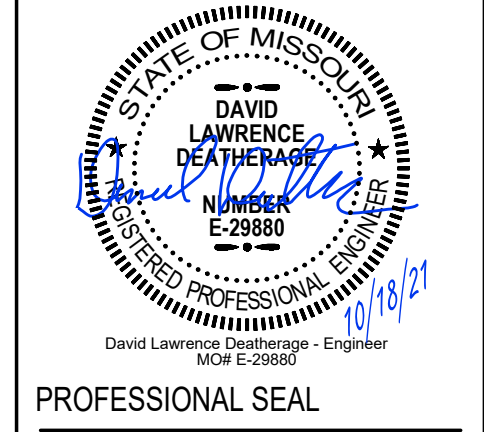
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ELECTRICAL SCHEDULES & DETAILS