

# CAMP SHAWNEE PAVILION

Liberty, Utah



620 24TH STREET  
 OGDEN, UT 84401  
 BP-ARCHITECTS.NET  
 P 801.394.3033  
 F 801.394.9064



## PROJECT TEAM:

### OWNER:

CORPORATION OF THE PRESIDING BISHOP OF  
 THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS  
 A UTAH CORPORATION SOLE  
 50 EAST NORTH TEMPLE STREET  
 SALT LAKE CITY, UTAH 84150

### ARCHITECT:

BOTT PANTONE ARCHITECTS  
 620 24TH STREET  
 OGDEN, UTAH 84401  
 801.394.3033

### MECHANICAL:

DAVIS ENGINEERING  
 2147 NORTH RULON WHITE BLVD, #207  
 OGDEN, UTAH 84404  
 801.782.9642

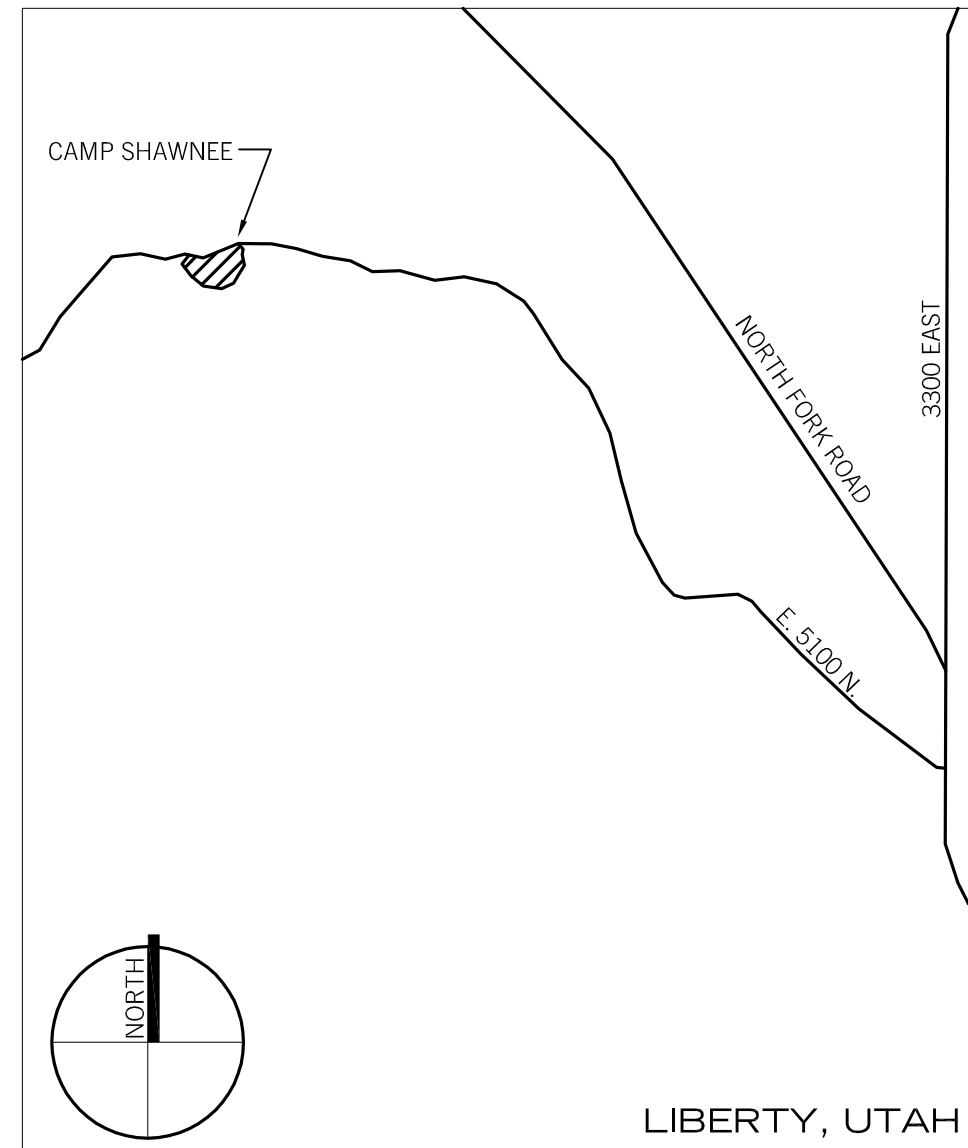
### ELECTRICAL:

BEAZER ENGINEERING INC.  
 P.O. BOX 652  
 MILLVILLE, UTAH 84326-0652  
 435.753.1250

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E101	ELECTRICAL PLAN

## VICINITY MAP:



## STANDARD SYMBOL LEGEND:

Building/Wall Section Reference	
Sheet Reference	
Detail Reference	
Sheet Reference	
Elevation Marker	
Elevation	
Elevation Reference	
Sheet Reference	
Room Number	
Door Designation	
Window Designation	
Reflected Ceiling Elevation	
Room Title	
Room Number	
Partition Type	
Keyed Note	

## STANDARD SYMBOL LEGEND:

	Asphalt		Glass (in elevation)
	Batt Insulation		Gravel / Rock Fill
	Ceramic Tile (in elevation)		Gypsum Board
	Concrete		Particle Board
	Concrete & Plaster (in elevation)		Sand, Plaster, Stucco & Sand Setting Beds
	Concrete Masonry Units		Plywood
	Brick		Rigid Insulation
	Compacted Backfill		Steel
	Earth		Wood Framing (cont. member)
	Finish Lumber		Wood Framing (interrupted member)
	Glass		Metal Studs

## ABBREVIATIONS:

@	At	eb	Expansion Bolt	max	Maximum
Ø	Diameter	elvs	Exterior Insul Fin System	mech	Mechanical
#	Pound or Number	exp jt	Expansion Joint	mtl	Metal
ab	Anchor Bolt	elec	Electrical	mfr	Manufacturer
act	Acoustical Tile	elev	Elevation	min	Minimum
adj	Adjustable	eq	Equal	nic	Not In Contract
aff	Above Finish Floor	equip	Equipment	nts	Not To Scale
alum	Aluminum	ewc	Elec Water Cooler	o.c.	On Center
bd	Board	exist	Existing	pl	Plate
bdg	Building	ext	Exterior	pl	Property Line
bm	Beam	fd	Floor Drain	plas lam	Plastic Laminate
bot	Bottom	fdn	Foundation	plywd	Plywood
brg	Bearing	fecb	Fire Extinguisher Cab	rb	Resilient Base
bur	Built Up Roofing	fin fl	Finish(ed) Floor	ref	Reference
cab	Cabinet	ft	Foot or Feet	reinf	Reinforce(d) (ing)
cjt	Control Joint	ftg	Footing	rfg	Roofing
cl	Center Line	fur	Furring	rm	Room
clg	Ceiling	gal	Gauge	sc	Solid Core
cmu	Concrete Masonry Units	galv	Galvanized	sch	Schedule
col	Column	gc	General Contractor	sec	Section
conc	Concrete	gl	Glass	sim	Similar
const	Construction	gyp bd	Gypsum Board	spec	Specification
const jt	Construction Joint	hc	Hollow Case	sq	Square
cont	Continuous	hdwd	Hardwood	stl	Steel
contr	Contract(or)	hdwr	Hardware	temp gl	Tempered Glass
corr	Corridor	hdrl	Handrail	typ	Typical
ct	Ceramic Tile	hm	Hollow Metal	vct	Vinyl Composition Tile
det	Detail	id	Inside Diameter	w/	With
dim	Dimension	incl	Include(d) (ing)	wd	Wood
dn	Down	insul	Insulation	wdw	Window
dr	Door	int	Interior	w/o	Without
ea	Each	jt	Joint	wsct	Wainscot

## COVER SHEET / GENERAL INFORMATION

06.29.18  
 Project Number: 1814  
 Property Number: 510-4718

CAMP SHAWNEE PAVILION  
 2600 EAST 5100 NORTH  
 LIBERTY, UTAH

G101



**SITE DEMOLITION PLAN**

A

Scale: 1" = 20'-0"

**GENERAL NOTES:**

- A. Field verify all dimensions and conditions.
- B. The pavilion kit shall be furnished by the Owner and installed by Contractor - re: manufacturer's pavilion drawings.
- C. Fill beneath pavilion shall be compacted granular imported engineered fill per specification. Over-excavate beneath new pavilion floor slab as required and provide 12" minimum compacted engineered fill and 4" minimum of 3/4" free-draining gravel beneath slab.
- D. Existing utilities are shown on the drawings only to the extent such information has been made available to the Architect. This information is shown for the convenience of the Contractor, it should not be assumed to be either correct or complete. Contractor shall make his own investigation as necessary to verify the exact location of all utilities. The Contractor shall, prior to any excavation, locate all underground utilities and structures.
- E. Contractor shall be responsible for building permit fees by Weber County Building Department and septic system fees by Weber-Morgan Health Department.

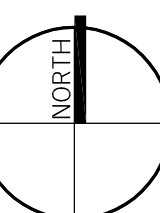
**KEYED NOTES: (1)**

1. Remove existing concrete slab.
2. Remove existing basketball backboard and mounting pole, including concrete foundation in ground.
3. Remove existing steel fire ring.
4. Remove existing steel pipe, including any concrete foundation in ground.
5. Remove existing chain link fencing backstop complete with fabric, framework and concrete foundations in ground.
6. Retain and protect existing water yard hydrant.
7. Retain and protect existing stop & waste valve.
8. Existing underground water service to remain (2" HDPE).
9. Existing electrical equipment (meter, disconnect, etc.) mounted to exterior wall of existing building. See electrical for new work.
10. Existing power pole with transformer to remain.
11. Existing overhead power lines to remain.
12. Existing underground power service line to remain.
13. Grub area 10-12 feet wide at perimeter of new pavilion. Remove shrubs, trees and other vegetation to facilitate construction.
14. Grub area of new septic drain field, see plumbing drawings. Remove shrubs, trees and other vegetation to facilitate construction.

**SITE DEMOLITION PLAN**

1" = 20'-0"  
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 LIBERTY, UTAH



**SD101**



**SITE IMPROVEMENT PLAN**

A

Scale: 1" = 20'-0"

**GENERAL NOTES:**

- A. Field verify all dimensions and conditions.
- B. The pavilion kit shall be furnished by the Owner and installed by Contractor - re: manufacturer's pavilion drawings.
- C. Fill beneath pavilion shall be compacted granular imported engineered fill per specification. Over-excavate beneath new pavilion floor slab as required and provide 12" minimum compacted engineered fill and 4" minimum of 3/4" free-draining gravel beneath slab.
- D. Existing utilities are shown on the drawings only to the extent such information has been made available to the Architect. This information is shown for the convenience of the Contractor, it should not be assumed to be either correct or complete. Contractor shall make his own investigation as necessary to verify the exact location of all utilities. The Contractor shall, prior to any excavation, locate all underground utilities and structures.
- E. Contractor shall be responsible for building permit fees by Weber County Building Department and septic system fees by Weber-Morgan Health Department.
- F. Contractor shall stake out new pavilion location and receive approval from Architect prior to pouring concrete slab.
- G. Excess excavated soil shall not be used beneath the pavilion slab, but may be used as grading fill at the perimeter of pavilion floor slab. Slope grade away from slab for 10 feet minimum on each side of slab. Any remaining excess soil may be used as fill as directed by Architect, elsewhere on property.

**KEYED NOTES: ①**

- 1. New pavilion - re: A/A101. (Pavilion kit shall be furnished by the Owner.)
- 2. Existing dirt road.
- 3. Retain and protect existing water hydrant riser.
- 4. 3/4" HDPE water line. Connect to existing water line as shown.
- 5. Stop and waste valve - re: plumbing. Slope water piping to stop & waste valve.
- 6. Septic tank and drain field - re: plumbing.
- 7. Existing 2" HDPE underground water pipe to remain.
- 8. Existing stop & waste valve to remain.
- 9. 3/4" HDPE water line. Slope to stop & waste valve.
- 10. Underground electrical to new pavilion in 1 1/2" conduit. See electrical drawings.
- 11. See plumbing drawings for septic system.

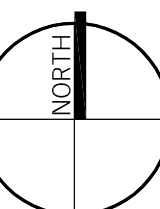
**SITE SYMBOL LEGEND:**

	work point, control point or datum point
	new underground power line
	existing water line
	new water line
	existing spot elevation
	new spot elevation

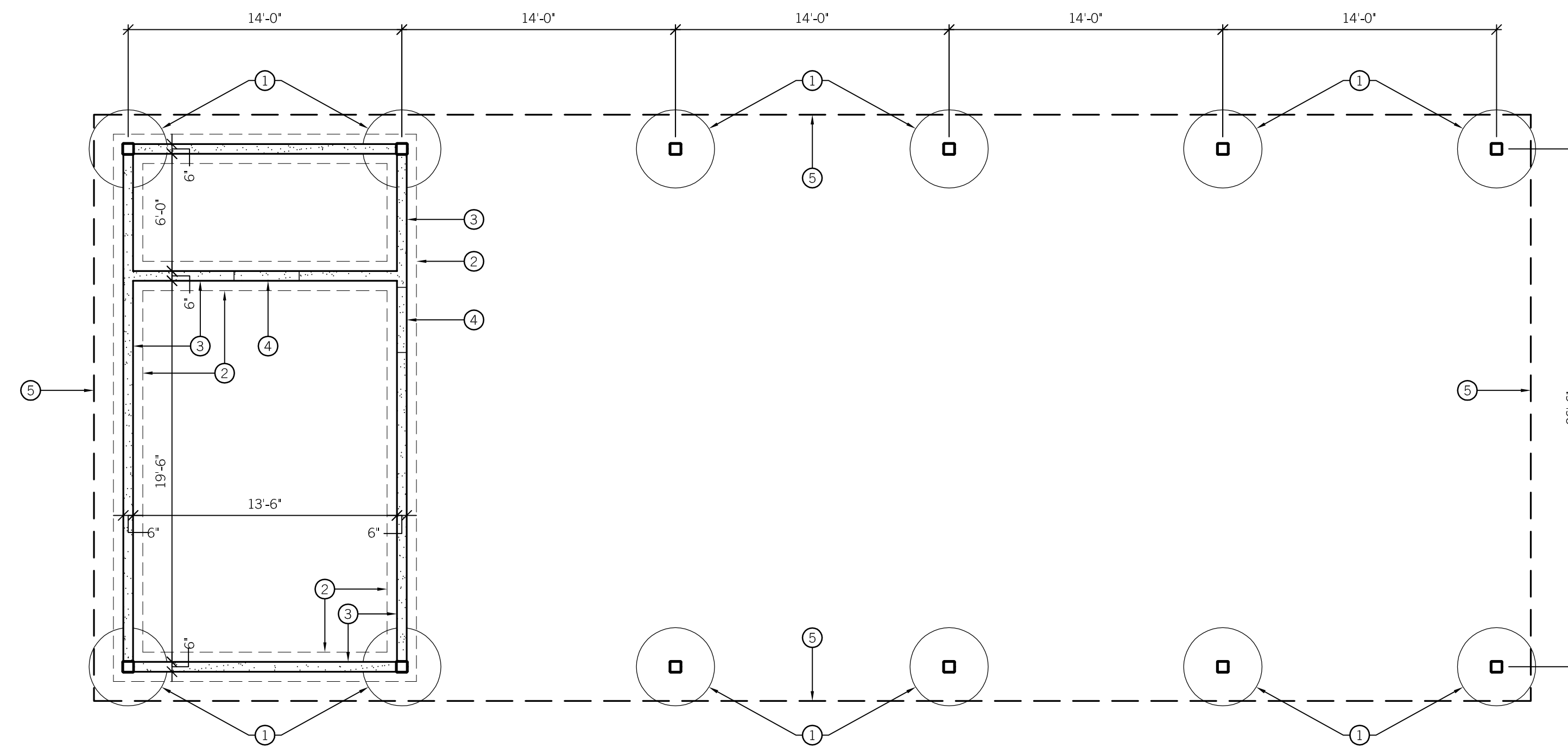
**SITE IMPROVEMENT PLAN**

1" = 10'-0"  
 06.29.18  
 Project Number: 1814  
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 2600 EAST 5100 NORTH  
 LIBERTY, UTAH

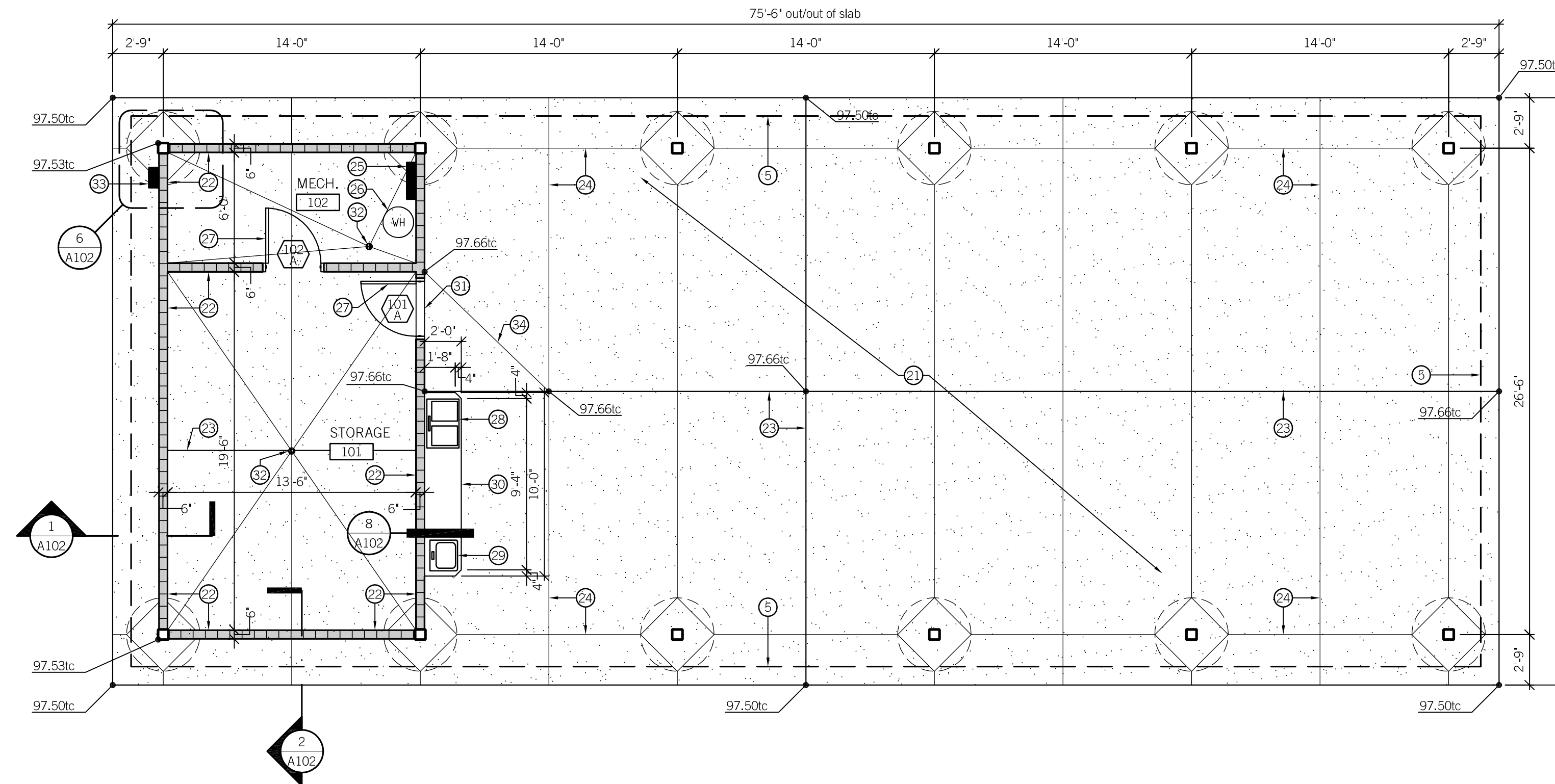


**SD102**



**FOOTING & FOUNDATION PLAN**

A Scale: 3/16" = 1'-0"



**SLAB & FLOOR PLAN**

B Scale: 3/16" = 1'-0"

**GENERAL NOTES:**

- A. Field verify all dimensions and conditions.
- B. The pavilion kit shall be furnished by the Owner and installed by Contractor - re: manufacturer's pavilion drawings.
- C. Fill beneath pavilion shall be compacted granular imported engineered fill per specification.
- D. Existing utilities are shown on the drawings only to the extent such information has been made available to the Architect. This information is shown for the convenience of the Contractor, it should not be assumed to be either correct or complete. Contractor shall make his own investigation as necessary to verify the exact locations of all utilities. The Contractor shall, prior to any excavation, locate all underground utilities and structures.
- E. Contractor shall be responsible for building permit fees by Weber County Building department and septic system fees by Weber-Morgan Health Department.

**FOOTING AND FOUNDATION KEYED NOTES: (A)**

- 1. 4'-0"Ø concrete footing (typ. of 12) - re: manufacturer's pavilion drawings.
- 2. Typical footing (shown dashed) - re: 1&2/A102.
- 3. Typical foundation wall - re: 1&2/A102.
- 4. Step down foundation wall 6" below top of slab where doors installed. Pour slab over.
- 5. Roof perimeter.

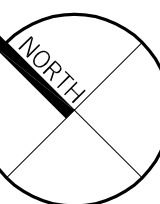
**SLAB AND FLOOR PLAN KEYED NOTES: (B)**

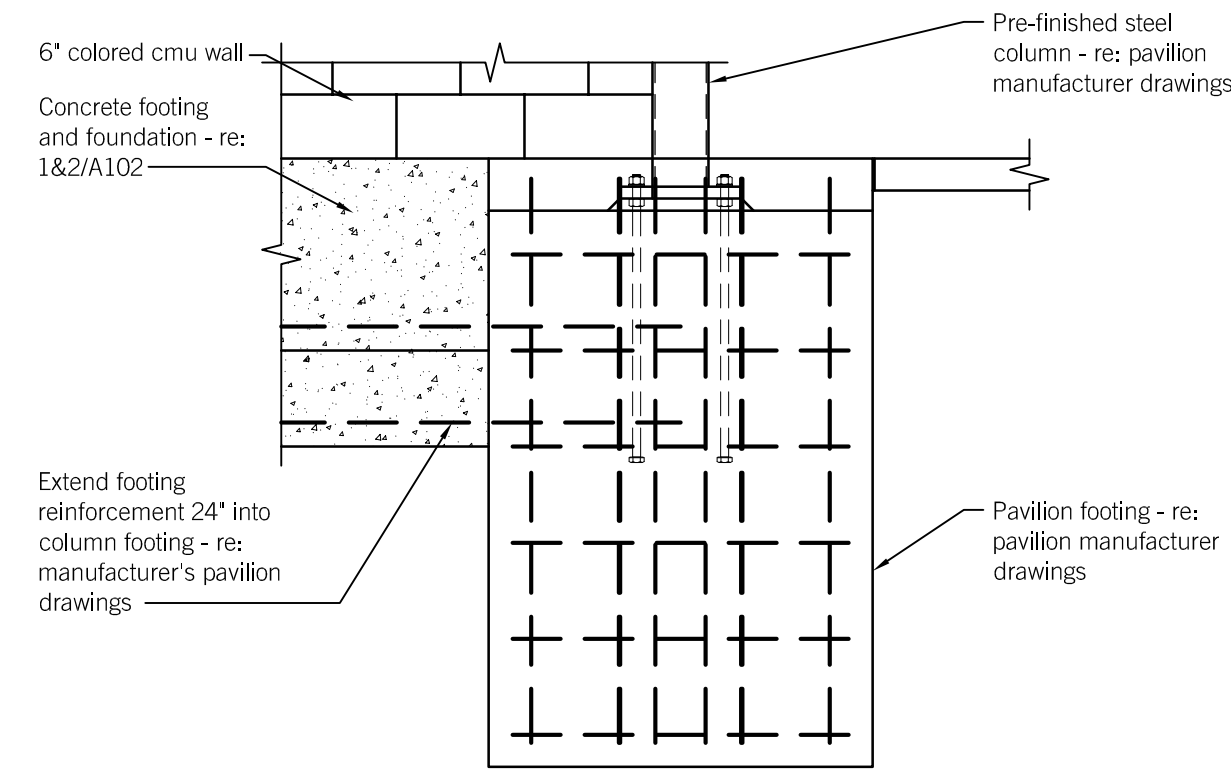
- 21. 4" concrete slab with 6"x6" welded wire mesh. Reinforce and thicken slab edges to 8" - re: manufacturer's pavilion drawings.
- 22. 6" colored cmu with #4 bar vertical reinforcing at 40" o.c. max and #5 bar horizontal reinforcing at 24" o.c. max. - re: structural elevations, sheet A102.
- 23. Expansion joint.
- 24. Control joint (typ.).
- 25. Electrical panel - re: electrical.
- 26. Electric water heater - re: plumbing.
- 27. Hollow metal door and frame, paint.
- 28. Stainless steel two (2) compartment sink - re: plumbing.
- 29. Stainless steel hand washing sink - re: plumbing.
- 30. Concrete wall-mounted counter - re: 8/A102.
- 31. Metal threshold - re: 7/A102.
- 32. Floor drain - re: plumbing.
- 33. Electrical disconnect (with supplemental ground), see electrical.
- 34. Warp line in floor slab.

**FOOTING, FOUNDATION, SLAB & FLOOR PLANS**

3/16" = 1'-0"  
 06.29.18  
 Project Number: 1814  
 Property Number: 510-4718

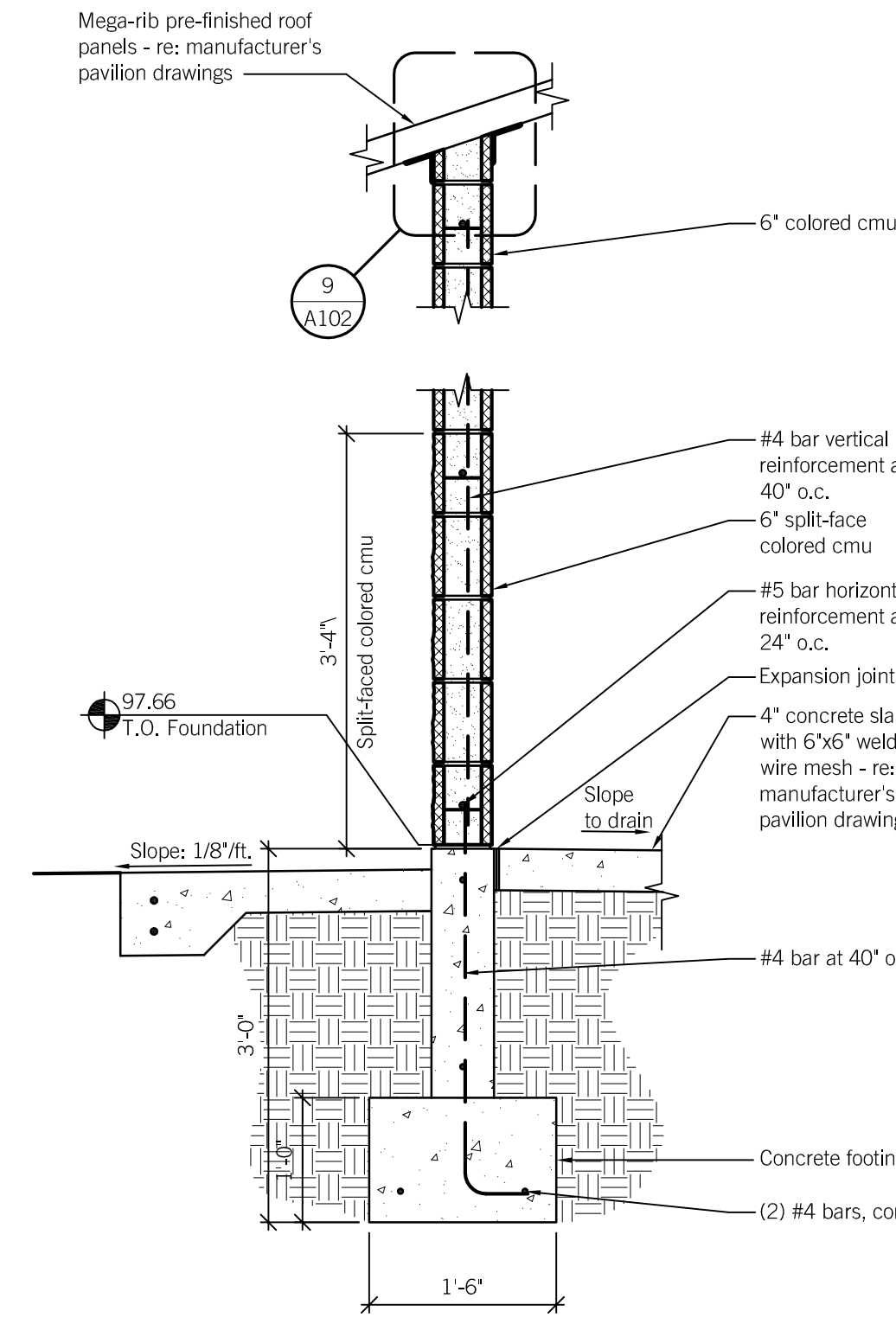
CAMP SHAWNEE PAVILION  
 2600 EAST 5100 NORTH  
 LIBERTY, UTAH





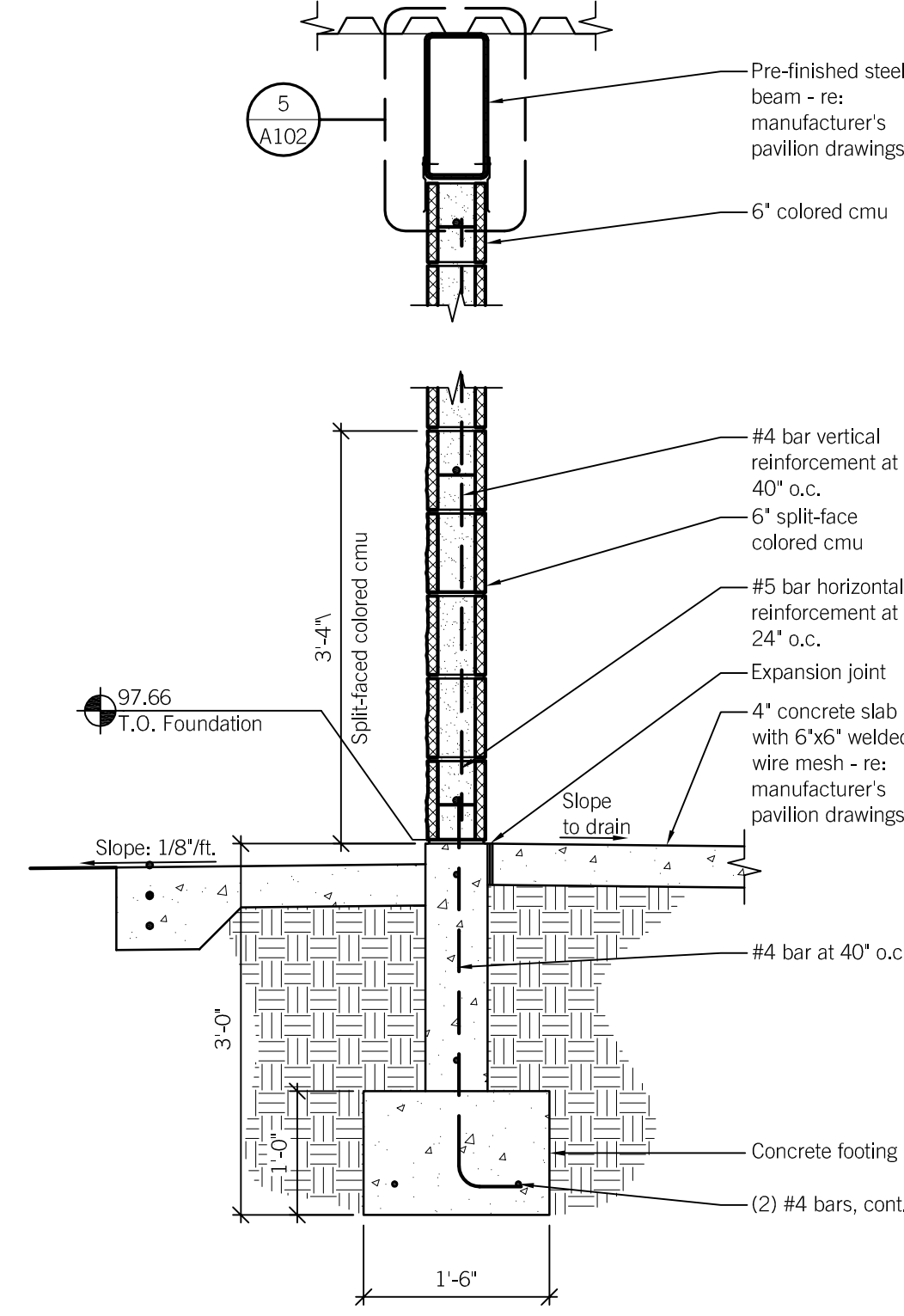
FOOTING DETAIL

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



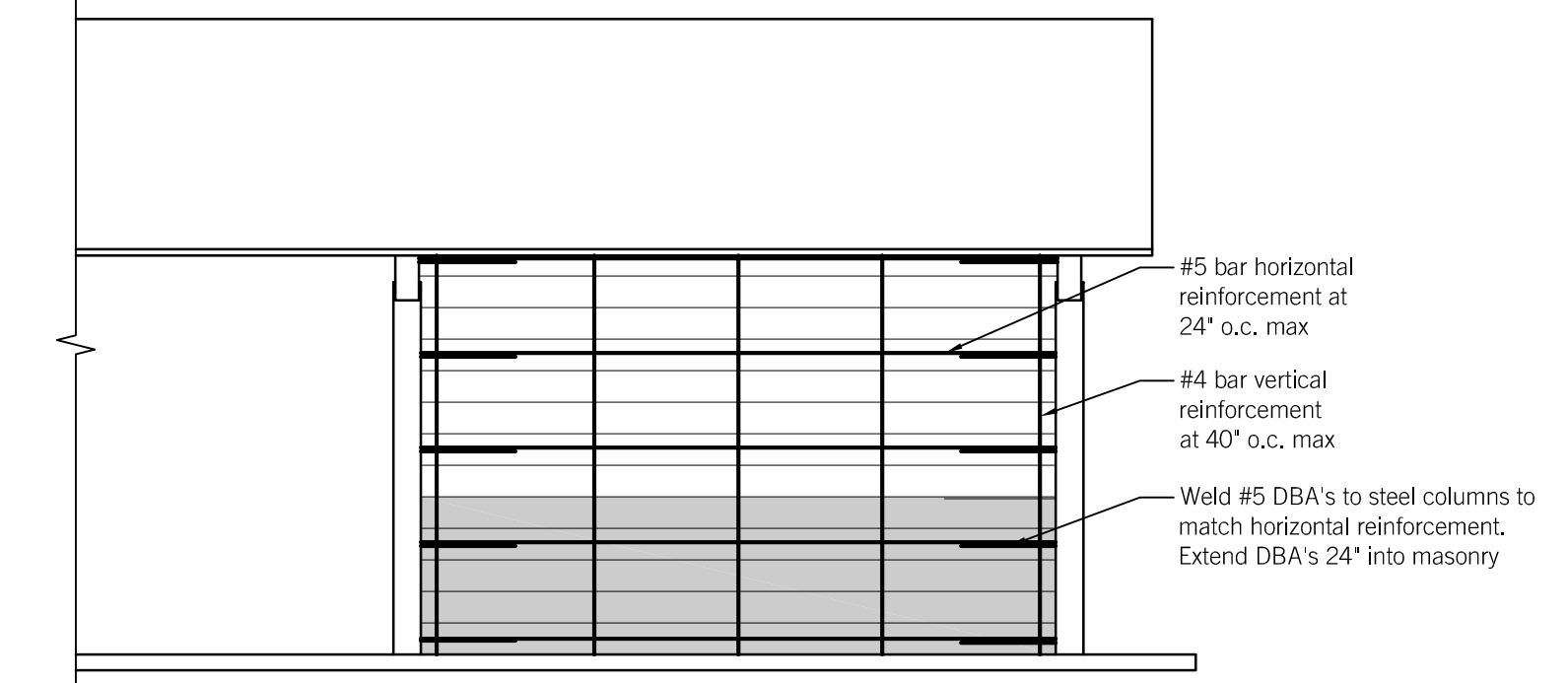
WALL SECTION

2 Scale: 3/4" = 1'-0"



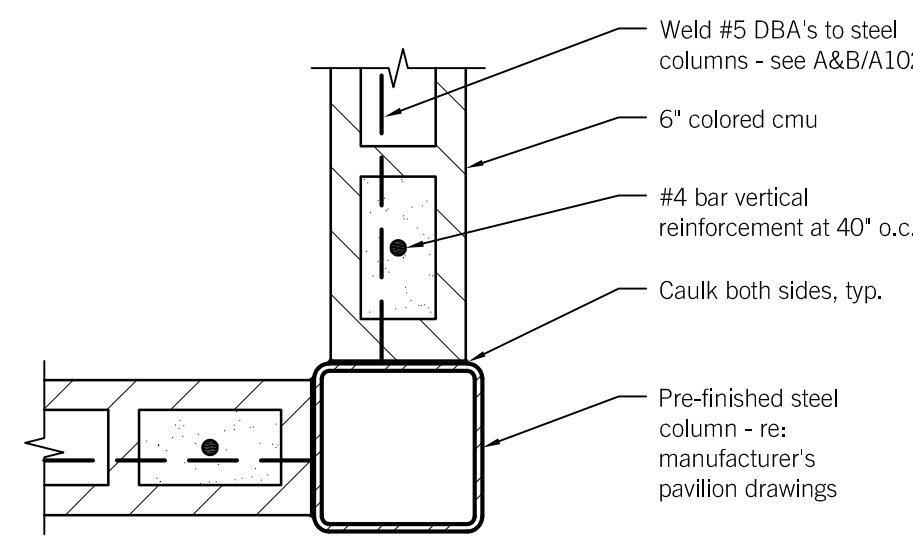
WALL SECTION

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



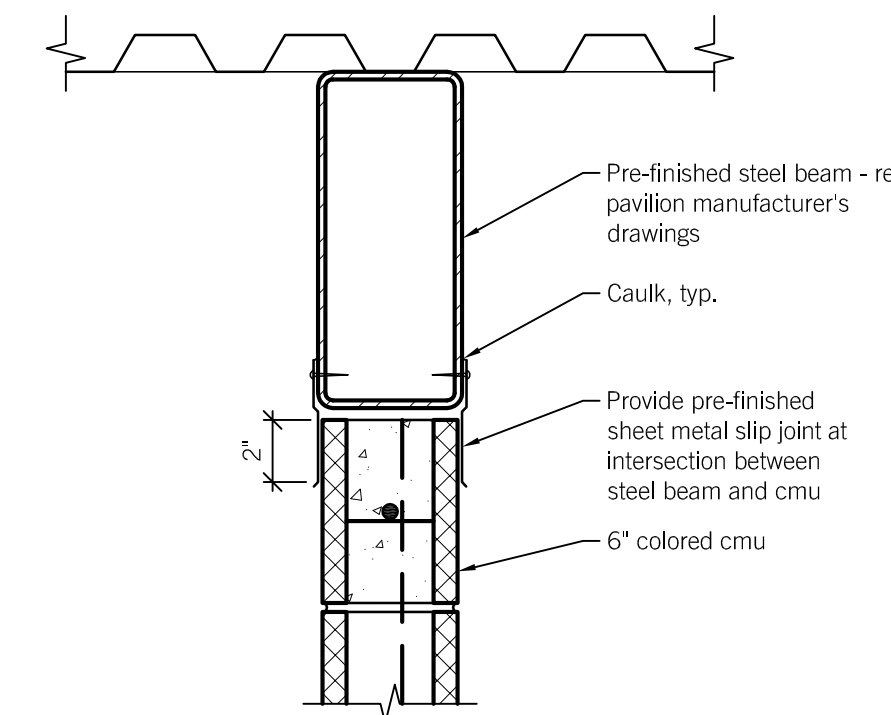
STRUCTURAL REINFORCEMENT ELEVATION

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



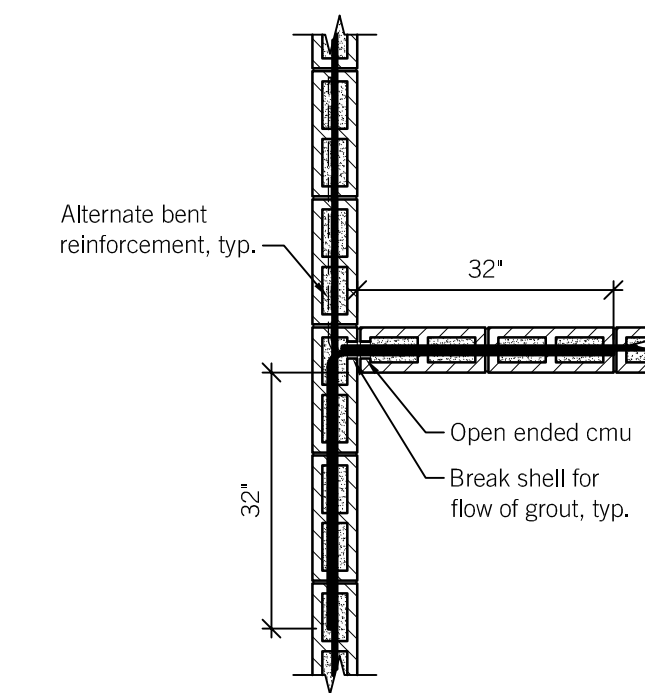
CORNER DETAIL

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



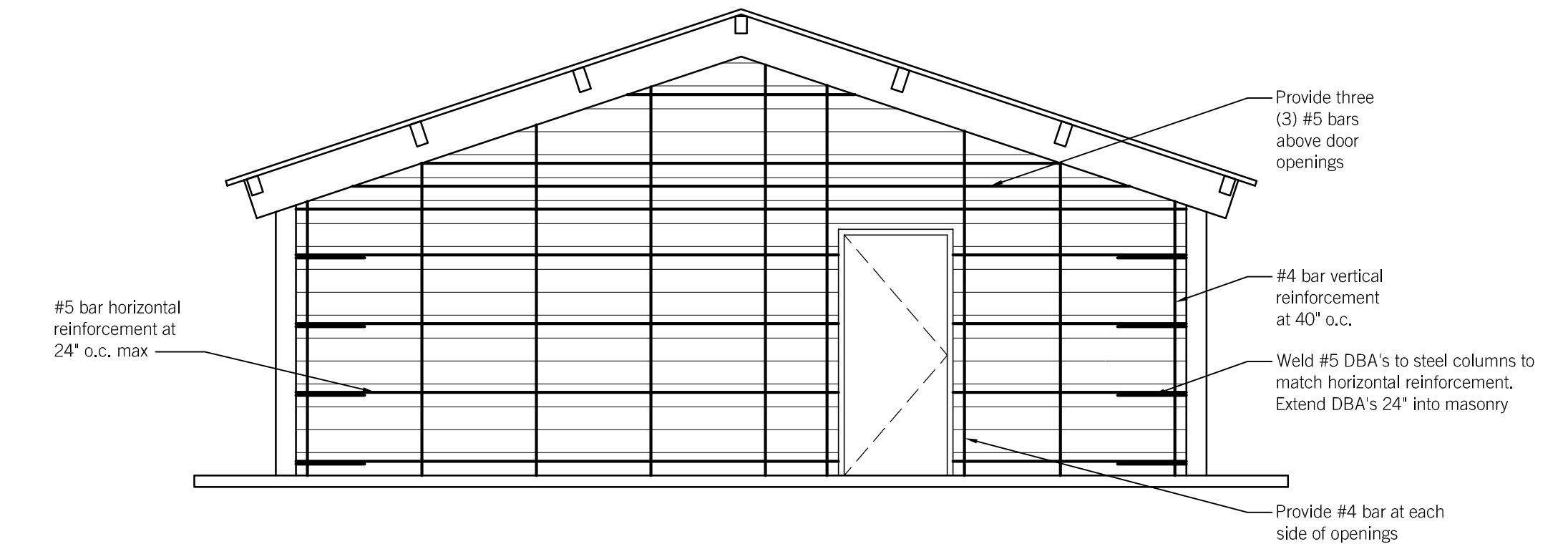
SLIP JOINT DETAIL

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



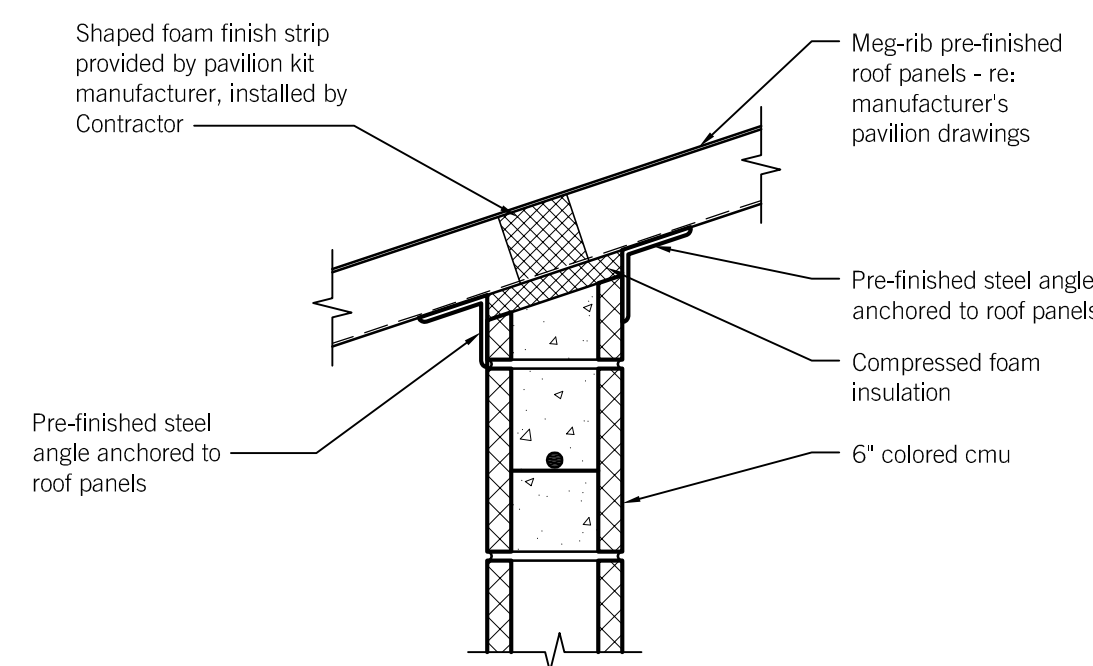
TYPICAL REINFORCEMENT AT INTERSECTIONS IN MASONRY

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



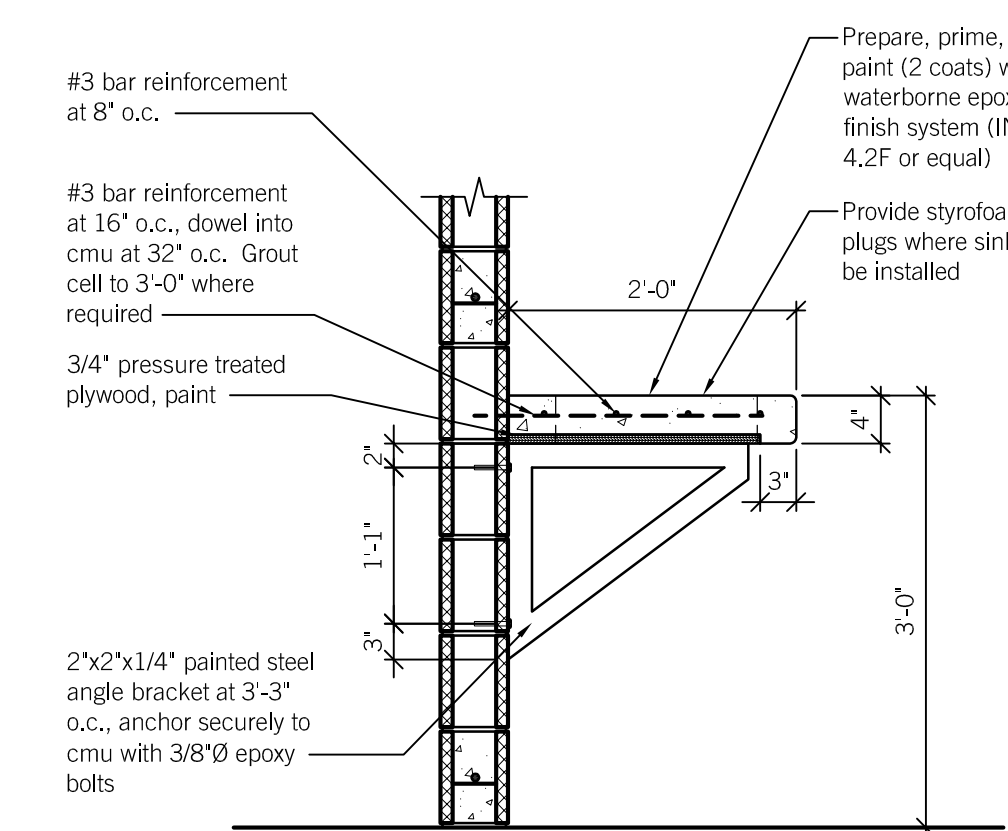
STRUCTURAL REINFORCEMENT ELEVATION

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



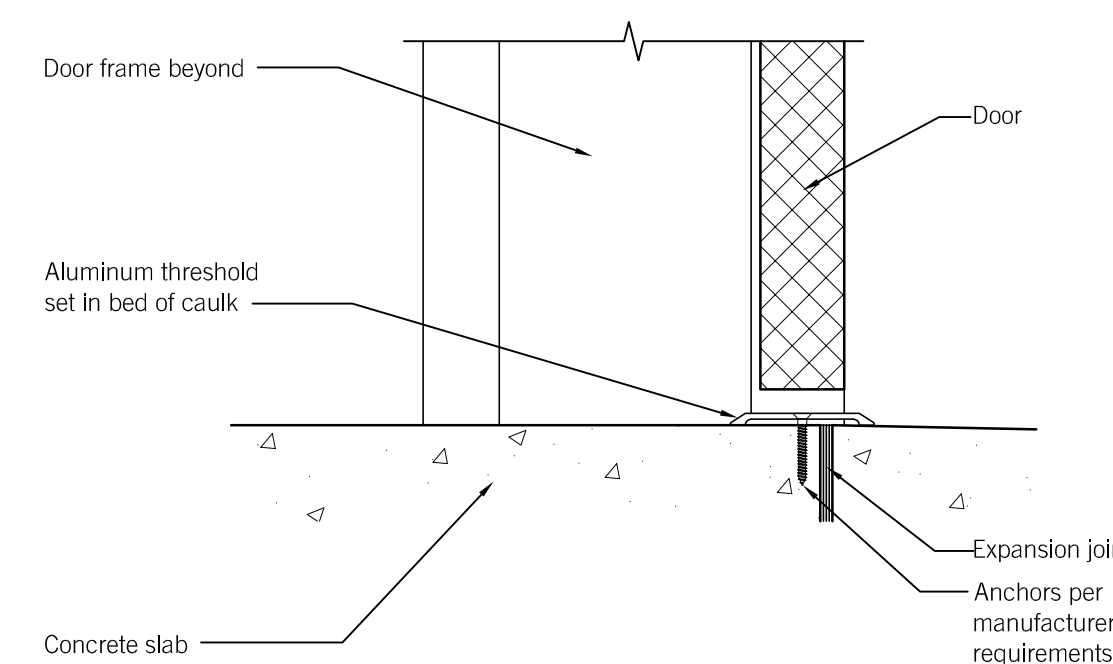
WALL DETAIL

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



VANITY SECTION

8 Scale: 3/4" = 1'-0"



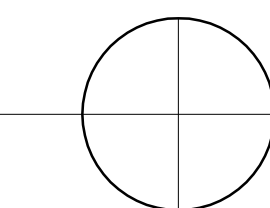
THRESHOLD DETAIL

7 Scale: 3" = 1'-0"

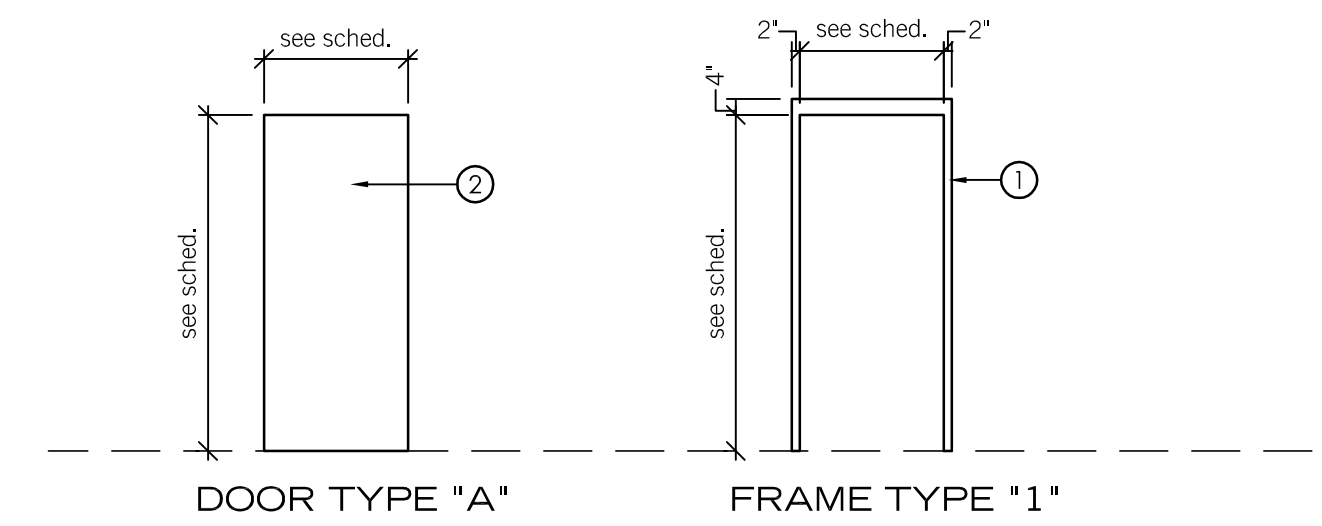
WALL SECTIONS & DETAILS

Scale: Varies  
 06.29.18  
 Project Number: 1814  
 Property Number: 510-4718

CAMP SHAWNEE PAVILION  
 2600 EAST 5100 NORTH  
 LIBERTY, UTAH

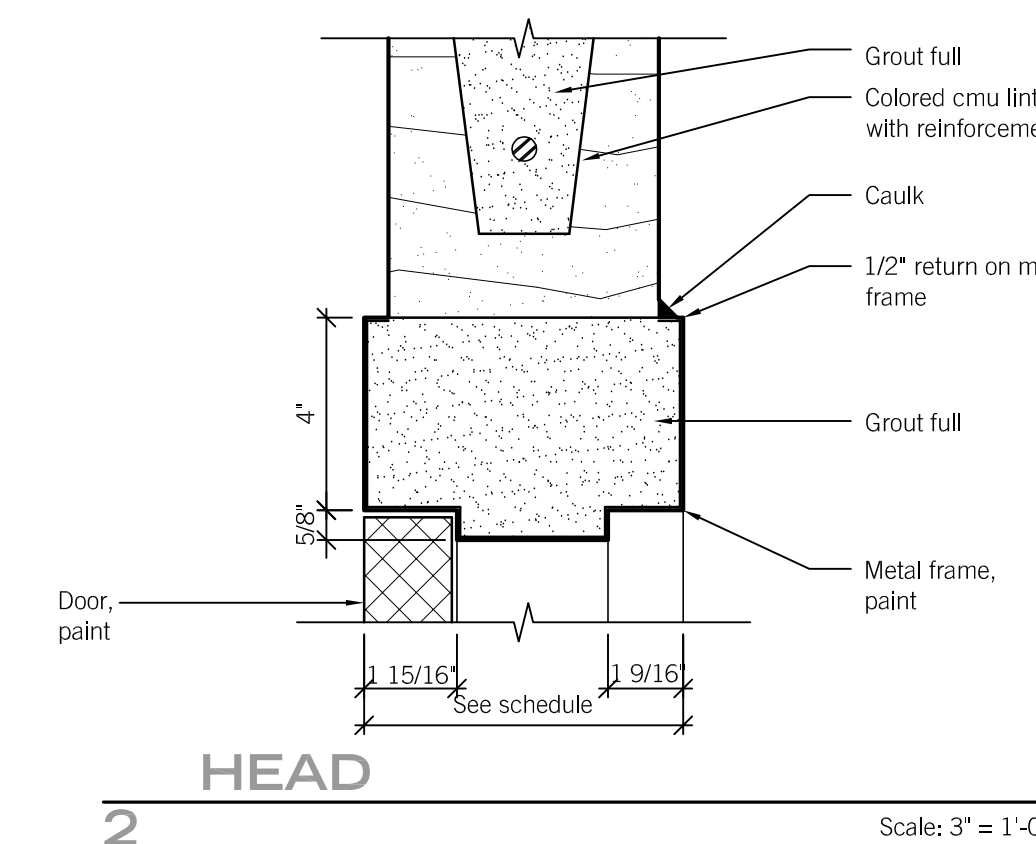
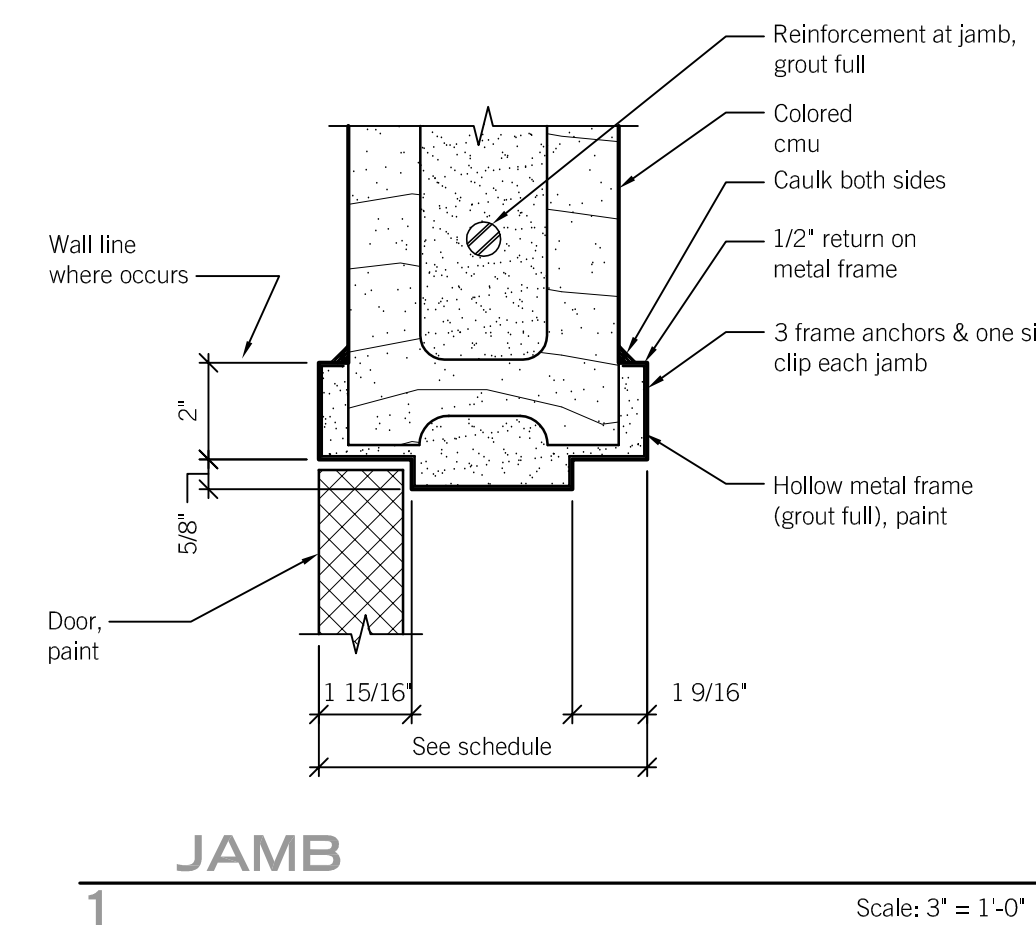


DOOR SCHEDULE																				
NO.	ROOM NAME	DOOR								FIRE RATING (MIN)	FRAME				DETAILS			HDWR. GROUP	REMARKS n/a : not applicable * : see remarks x : existing - : none	NO.
		WIDTH	HEIGHT	THICK.	TYPE	CONST.	FINISH	GLASS	WIDTH		TYPE	CONST.	SIDELITE	TRANSOM	HEAD	JAMB	THRESH.			
101A	STORAGE 101	3'-0"	7'-0"	1-3/4"	A	metal	paint	--	--	6-3/4"	1	h.m.	--	--	1/A103	2/A103	7/A102	1	Galv. door & frame	101A
102A	MECHANICAL 102	3'-0"	7'-0"	1-3/4"	A	metal	paint	--	--	6-3/4"	1	h.m.	--	--	1/A103	2/A103	--	22	Galv. door & frame	101B



**KEYED NOTES:** ①

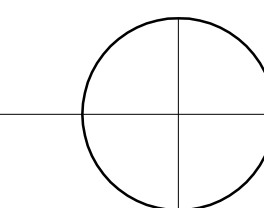
1. Hollow metal frame, paint.
2. Metal door, paint.

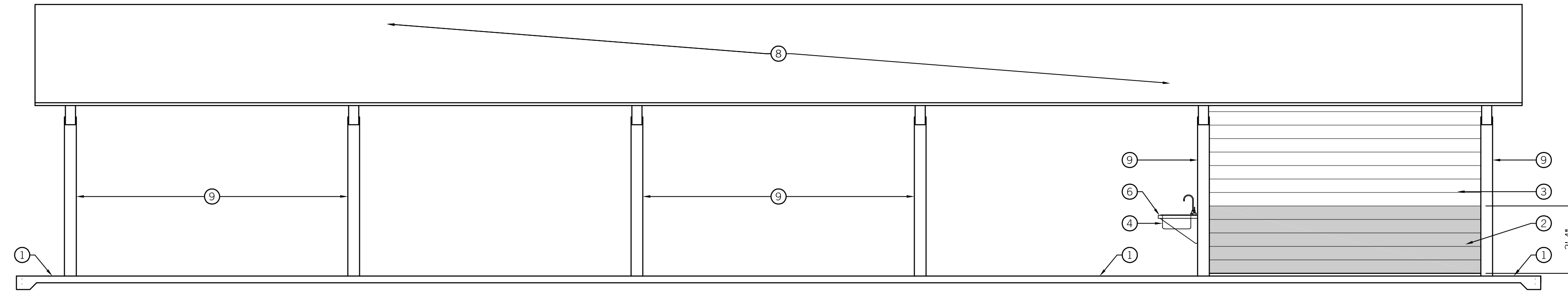


**DOOR SCHEDULE & DETAILS**

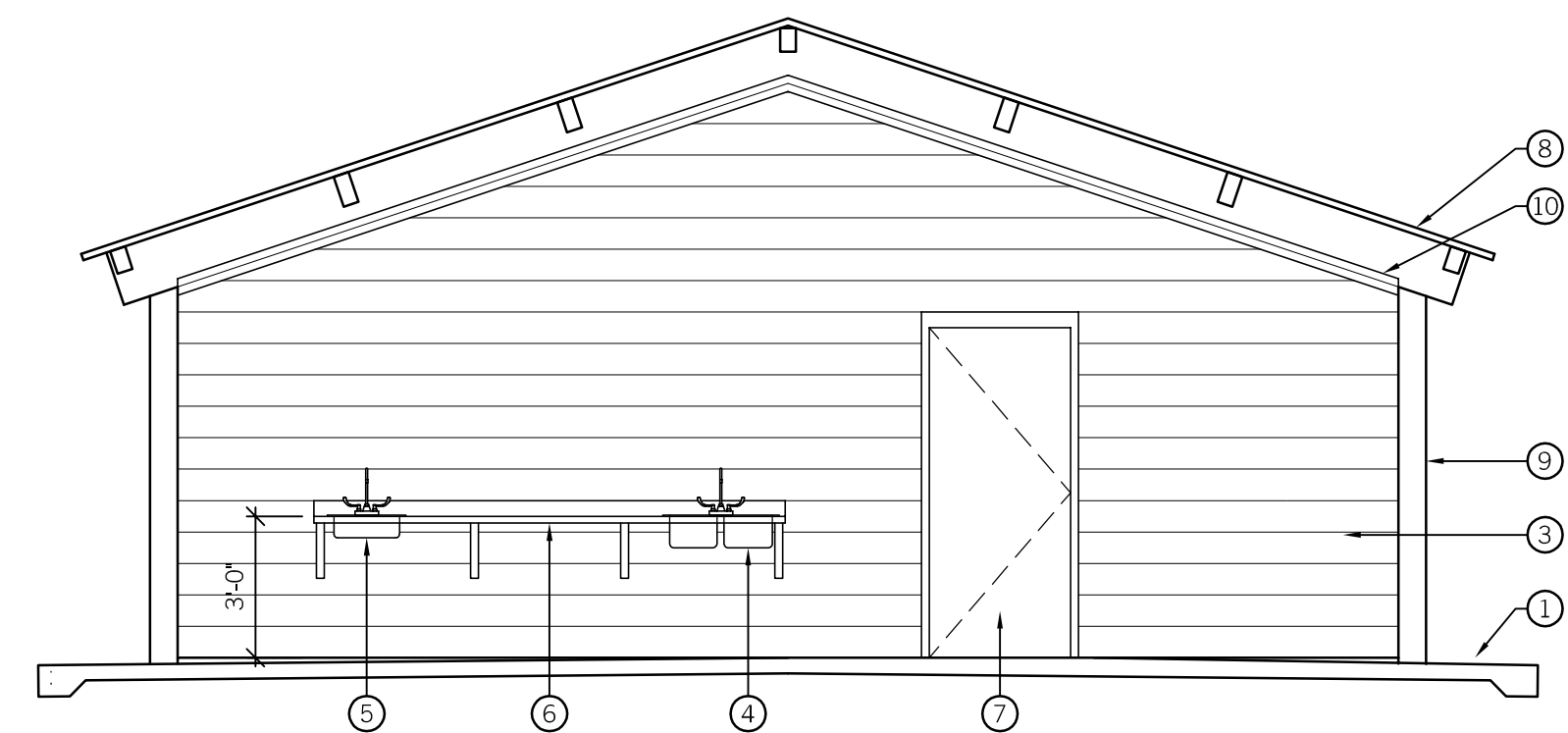
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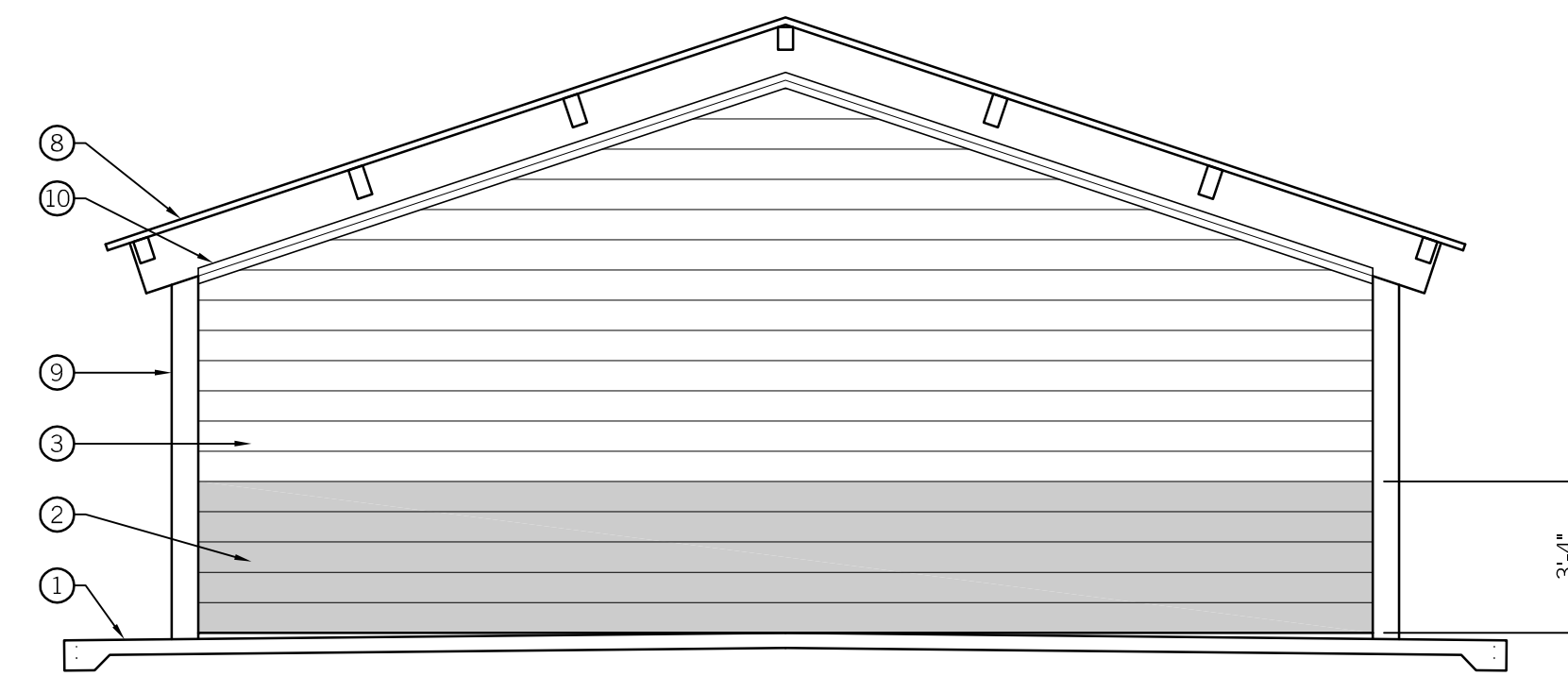




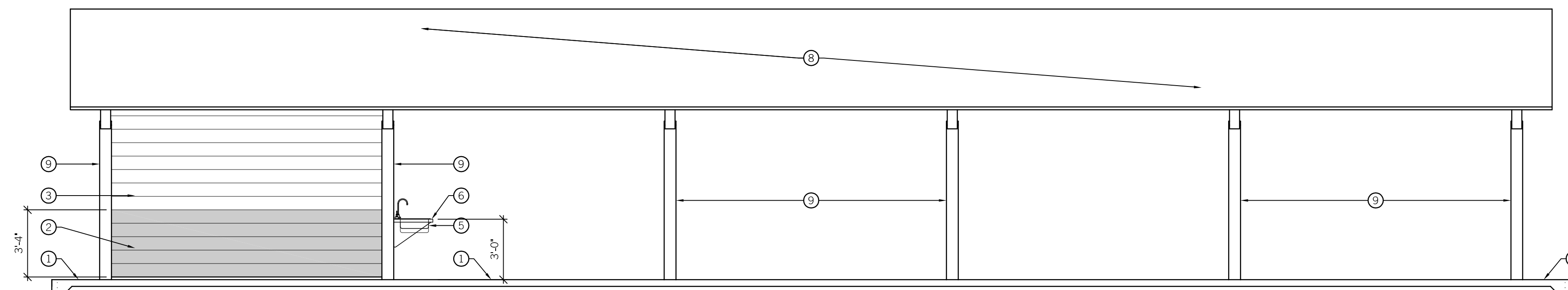
**ELEVATION**  
 A  
 Scale: 1/4" = 1'-0"



**ELEVATION**  
 B  
 Scale: 1/4" = 1'-0"



**ELEVATION**  
 C  
 Scale: 1/4" = 1'-0"



**ELEVATION**  
 D  
 Scale: 1/4" = 1'-0"

**GENERAL NOTES:**

- A. Field verify all dimensions and conditions.
- B. The pavilion kit shall be furnished by the Owner and installed by the Contractor - re: manufacturer's pavilion drawings.
- C. Fill beneath pavilion shall be compacted granular imported fill engineered per specification.
- D. Flash plumbing vent through the roof with 24 ga. galvanized steel base with non-fading, sealing, elastomer collar.
- E. Before installing deck edge metal caps on eaves of pavilion roof, obtain Architect's approval to do so (this item might be omitted).

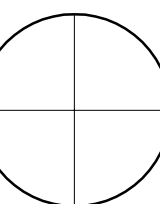
**KEYED NOTES: (E)**

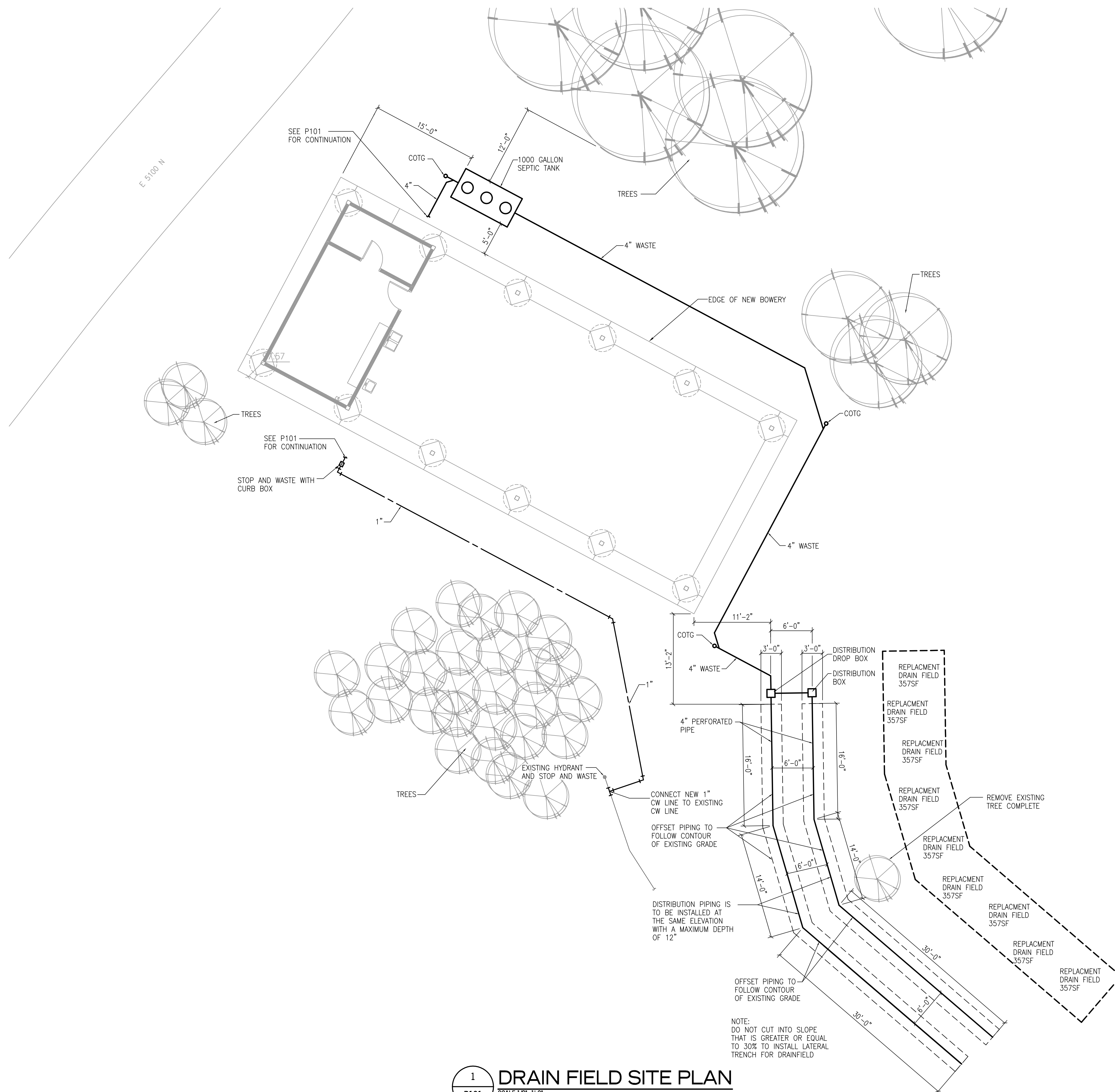
- 1. 4" concrete slab with 6"x6" welded wire mesh. Reinforce and thicken slab edges to 8" - re: manufacturer's pavilion drawings.
- 2. 6" colored split face cmu (shaded).
- 3. 6" colored cmu.
- 4. Stainless steel two (2) compartment sink - re: plumbing.
- 5. Stainless steel hand washing sink - re: plumbing.
- 6. Concrete wall-mounted counter with epoxy finish - re: 8/A102.
- 7. Hollow metal door and frame, paint.
- 8. 1-1/2" x 24 ga. mega-rib pre-finished roof panels - re: manufacturer's pavilion drawings.
- 9. Pre-finished steel column - re: manufacturer's pavilion drawings.
- 10. Pre-finished metal slip joint - re: 5/A102.

**BUILDING ELEVATIONS**

1/4" = 1'-0"  
 06.29.18  
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**BASIS OF DESIGN FOR ABSORPTION TRENCH SYSTEM**

- 1- USING TABLE 1.2 IN UTAH ADMIN CODE R317-4-13. ON SITE WASTE WATER SYSTEMS MAXIMUM LOADING RATE WAS DETERMINED TO BE 0.70GAL/SQ.FT
  - 2- FOOD SERVICE ESTABLISHMENT.  
 c. SINGLE SERVICE CUSTOMER UTENSILS ONLY: 2 GALLONS PER PERSON.
  - 3- 125 PEOPLE AT 2 GALLONS/ PERSON =250 GALLONS.
  - 4- TOTAL WASTE PER DAY= 2x125=250 GALLONS/ DAY.
  - 5- 250/.70= 357/ 3' WIDE TRENCH = 119ft OF TRENCH. USE TWO TRENCHES AT 60ft EACH
- CERTIFICATION# 02556-OSP-2

**BASIS OF DESIGN FOR SEPTIC TANK**

1. SEPTIC TANK SIZE= 1-1/2 TIMES THE DESIGNED DAILY WASTEWATER FLOW. DAILY WASTE WATER FLOW IS 250 GALLONS PER DAY. 250 GALLONS X 1-1/2=375 GALLONS. 1000 GALLON TANK CAPACITY MINIMUM.
2. SEPTIC TANK SHALL BE 1000 GALLON TANK.

**1 DRAIN FIELD SITE PLAN**  
 P101 SCALE 1/8"=1'-0"

**DRAIN FIELD SITE PLAN AND BASIS OF DESIGN**

**DAVIS ENGINEERING**  
 MECHANICAL CONSULTING ENGINEERS  
 2147 North Rulon White Blvd. Phone: (801) 782-9642  
 Suite 207 Fax: (801) 786-1559  
 Ogden, Utah 84404-2796 E-mail: todd@pdaviseng.com

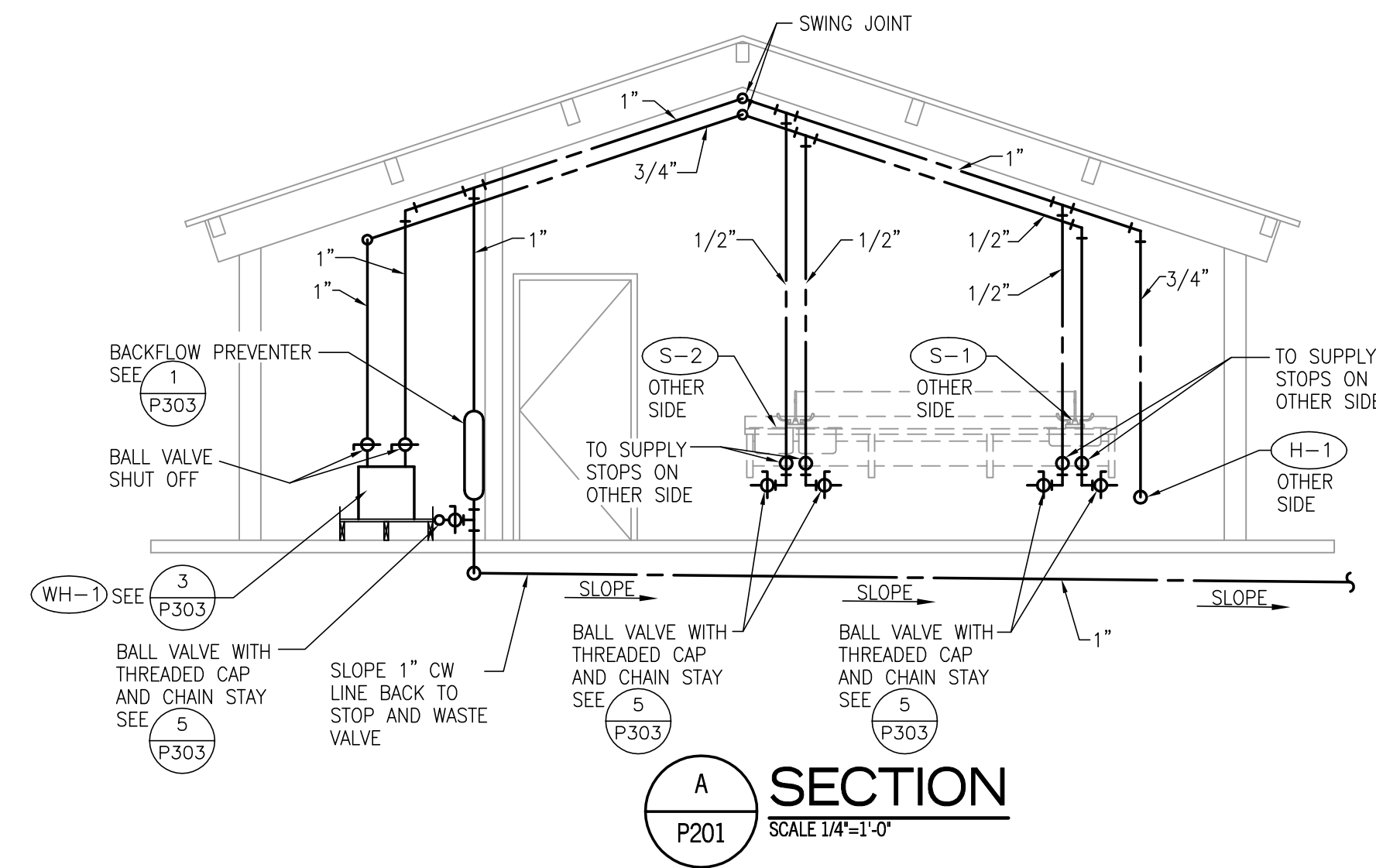


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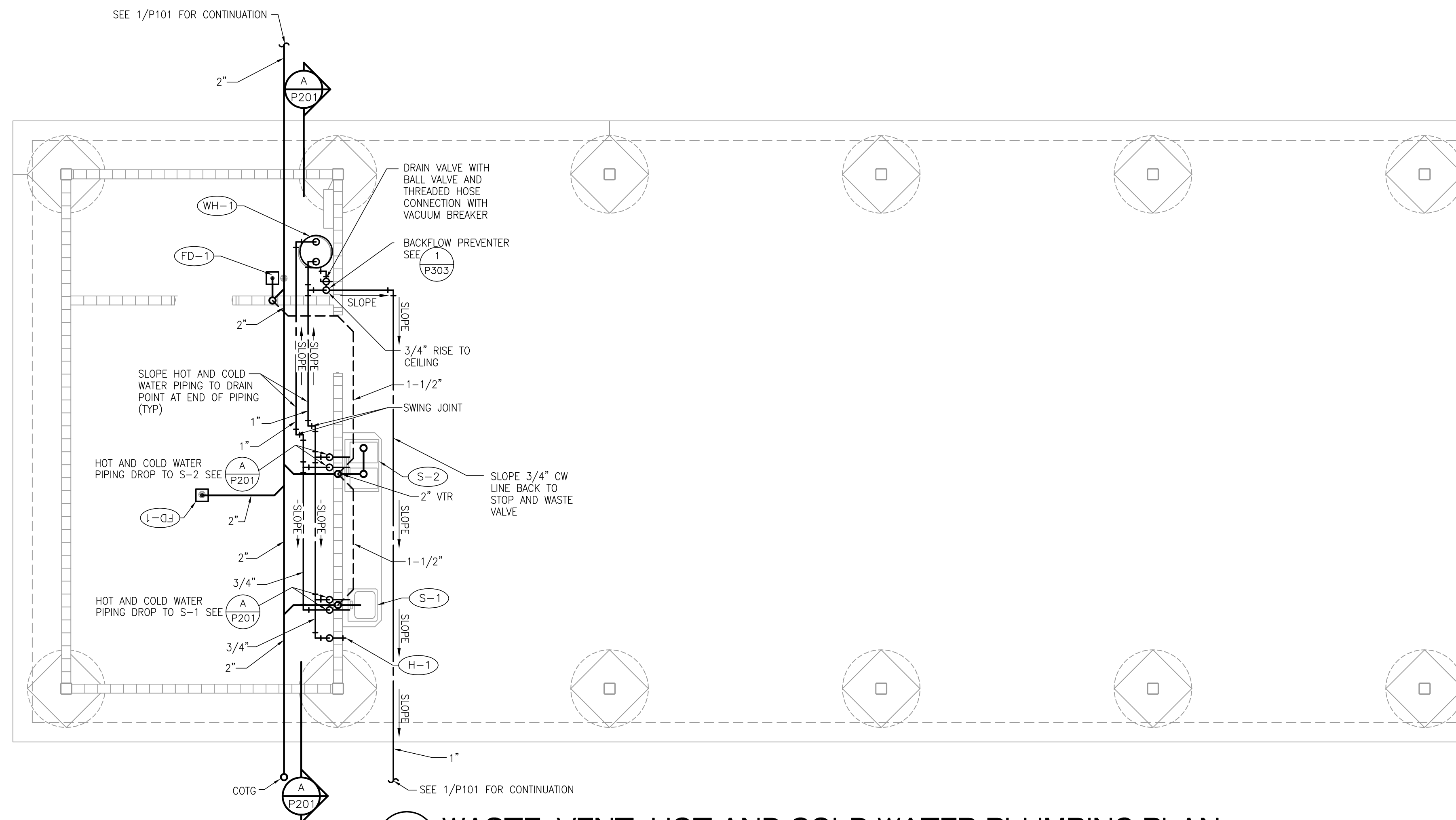
F:\Project\18030 Camp Shawnee Septic Drawings\18030-P100.dwg, 6/28/2018 4:11:43 PM





MARK	FIXTURE	PIPE SIZE					REMARKS	A.D.A.
		TRAP	WASTE	VENT	C.W.	HW		
(S-1)	SINK	1-1/2"	1-1/2"	1-1/4"	1/2"	1/2"	SINGLE COMPARTMENT	Ⓢ
(S-2)	SINK	1-1/2"	1-1/2"	1-1/4"	1/2"	1/2"	DOUBLE COMPARTMENT	Ⓢ
(H-1)	HYDRANT				3/4"		SEE SPECIFICATIONS	
(FD-1)	FLOOR DRAIN	2"	2"	1-1/2"			WITH TRAP GUARD SEE DETAIL 2/P303	
(WH-1)	WATER HEATER				1"	1"	ELECTRIC, 1500 W, 120V, 1 PHASE 20 GALLON CAPACITY MANUFACTURE: BRADFORD WHITE MODEL: M-1-206SS	

① WHEN MOUNTED PER ARCHITECTURAL ELEVATION A.D.A. REQUIREMENTS ARE MET.  
 Ⓢ DENOTES FIXTURE FOR PEOPLE WITH DISABILITIES.



**1 WASTE, VENT, HOT AND COLD WATER PLUMBING PLAN**  
 P201 SCALE 1/4"=1'-0"

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 Ogden, Utah 84404-2796 E-mail: todd@pdaviseng.com

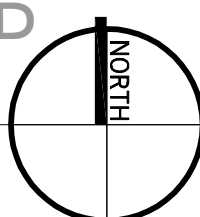


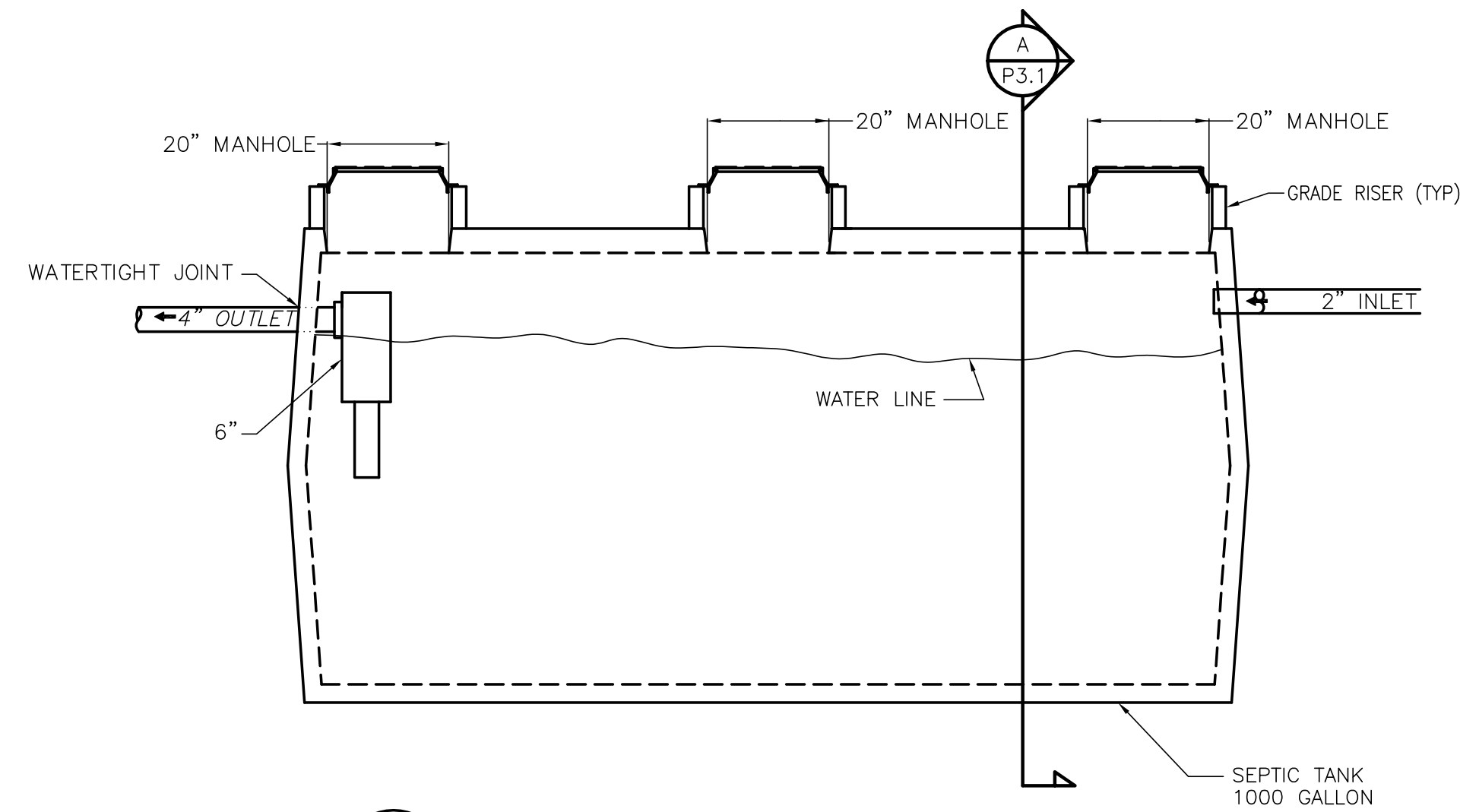
**PLUMBING PLANS, SECTIONS AND PLUMBING FIXTURE SCHEDULE**

06.29.18  
 Project Number: **1814**  
 Property Number: **510-4718**

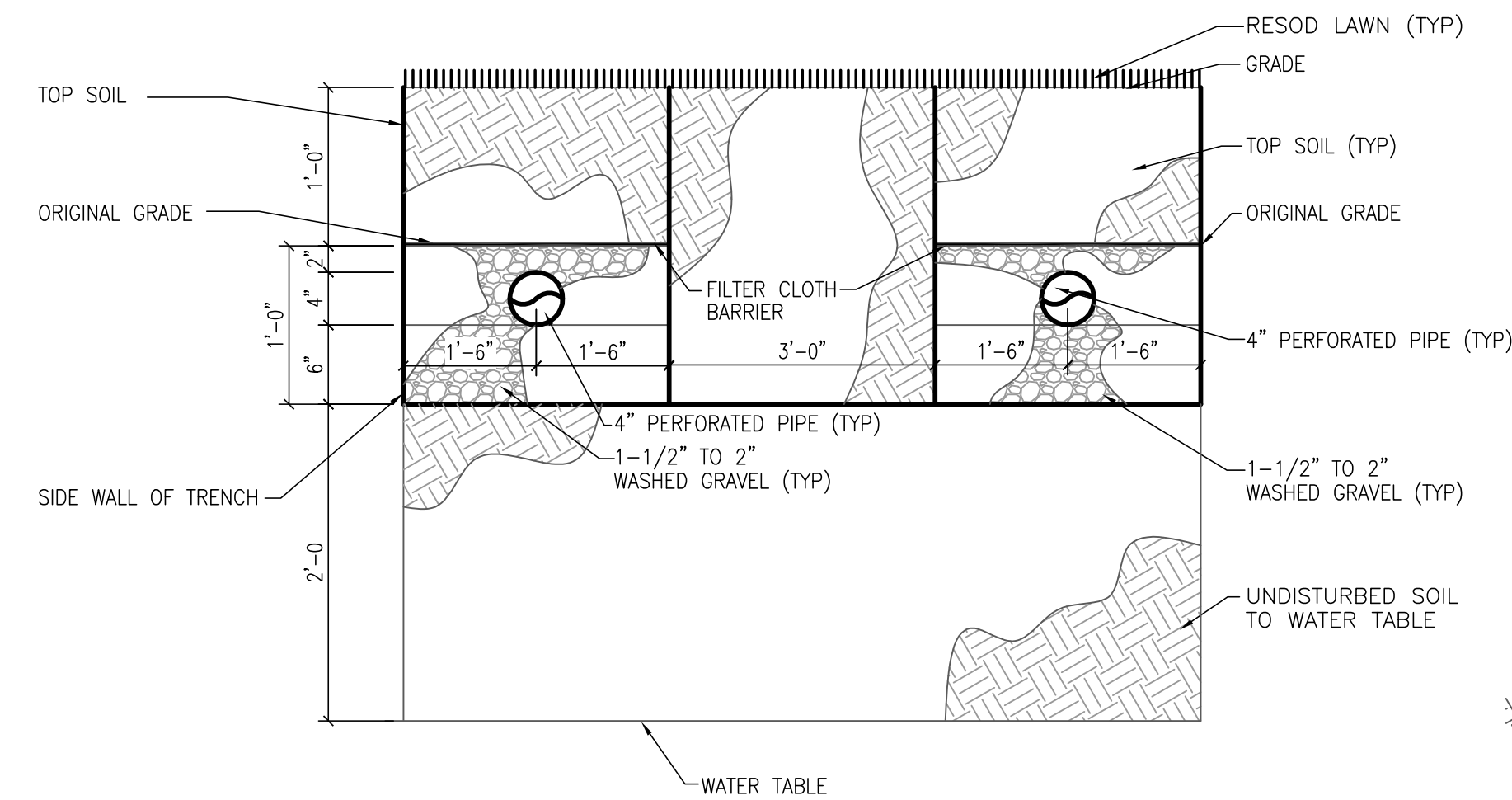
CAMP SHAWNEE PAVILION  
 2600 EAST 5100 NORTH  
 LIBERTY, UTAH

**P201**

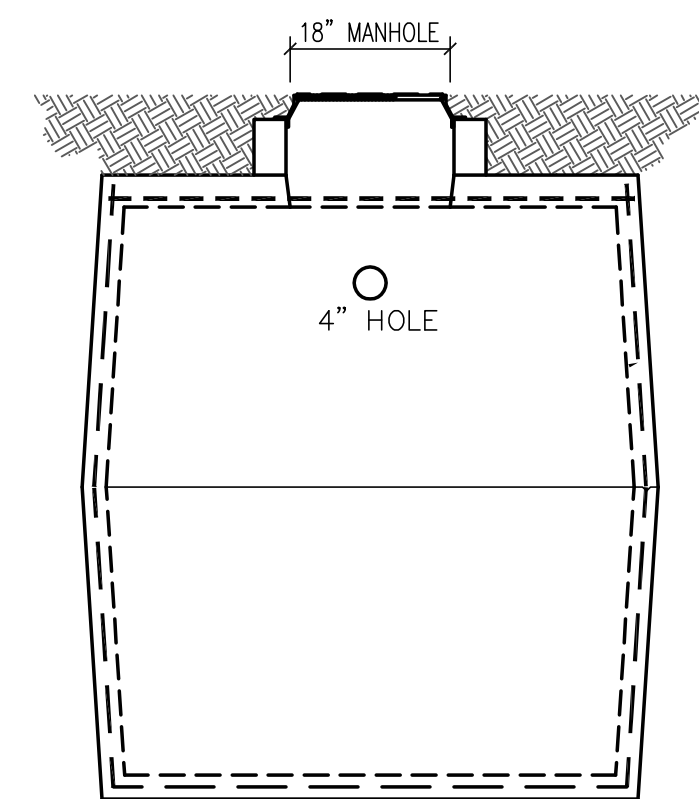




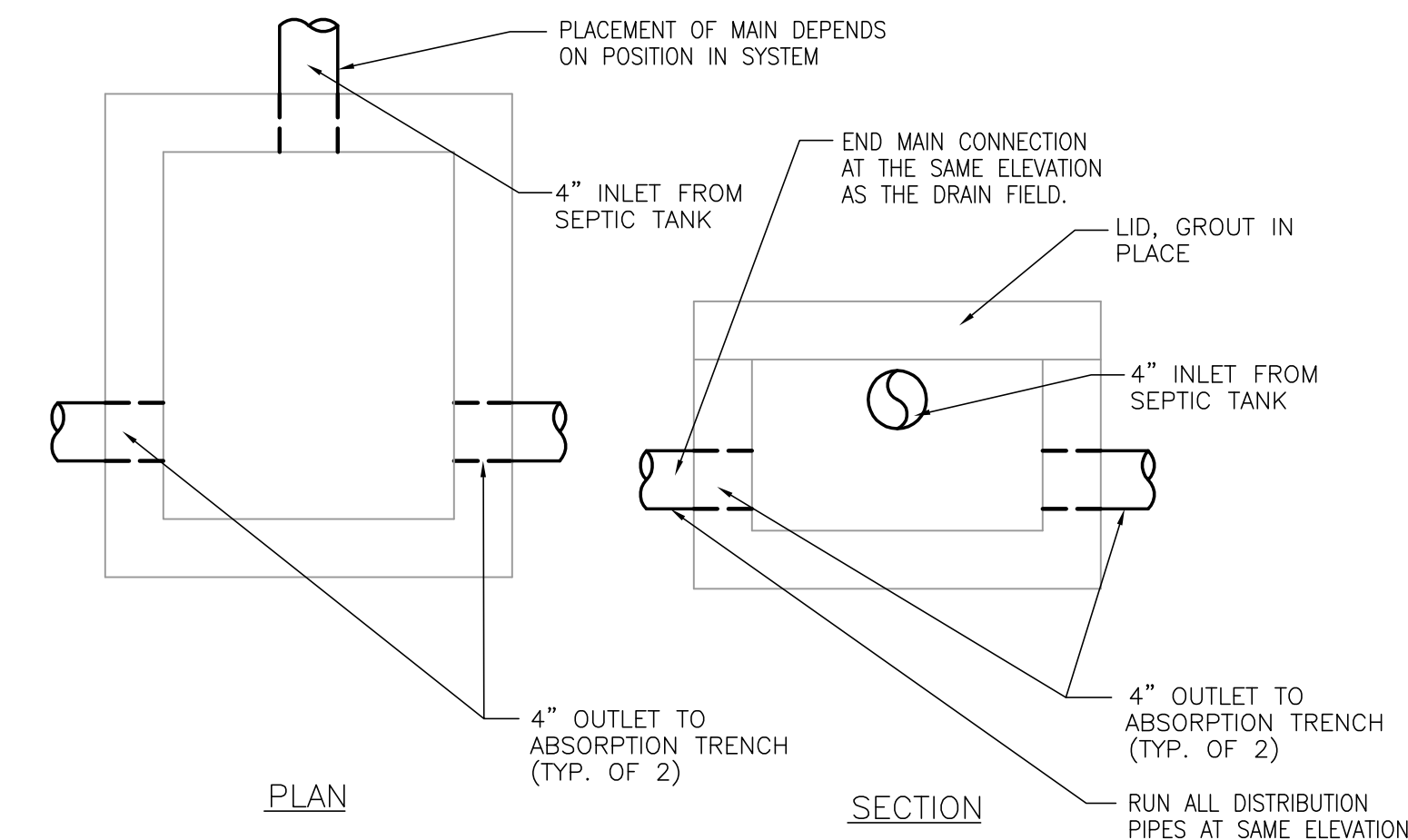
**1 SEPTIC TANK DETAIL**  
 P3.1 SIDE VIEW - 1/2"=1'-0"



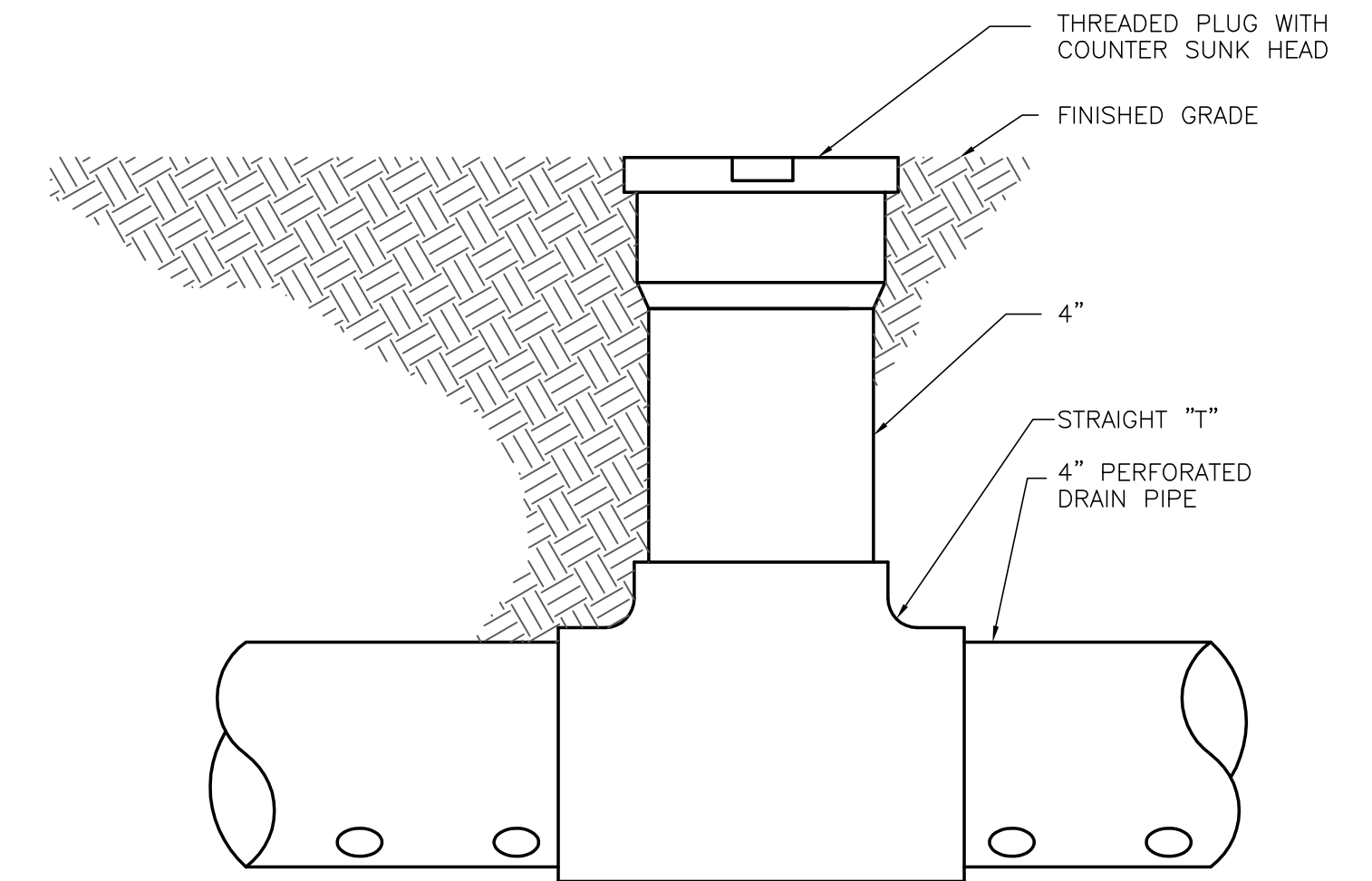
**2 SECTION THROUGH ABSORPTION TRENCH**  
 P3.1 NOT TO SCALE



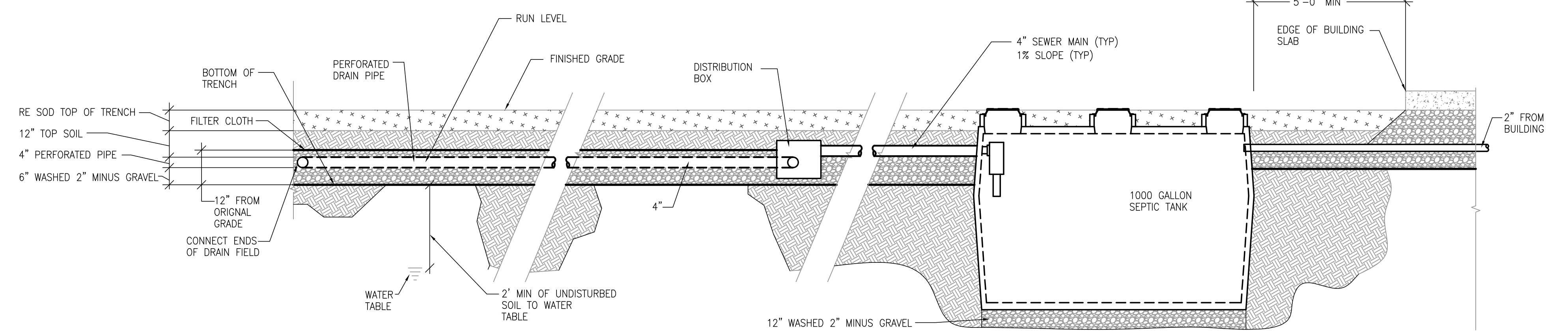
**A SEPTIC TANK SECTION**  
 P3.1 FRONT VIEW - 1/2"=1'-0"



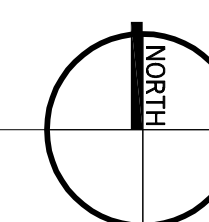
**3 DISTRIBUTION BOX DETAIL**  
 P3.1 NOT TO SCALE

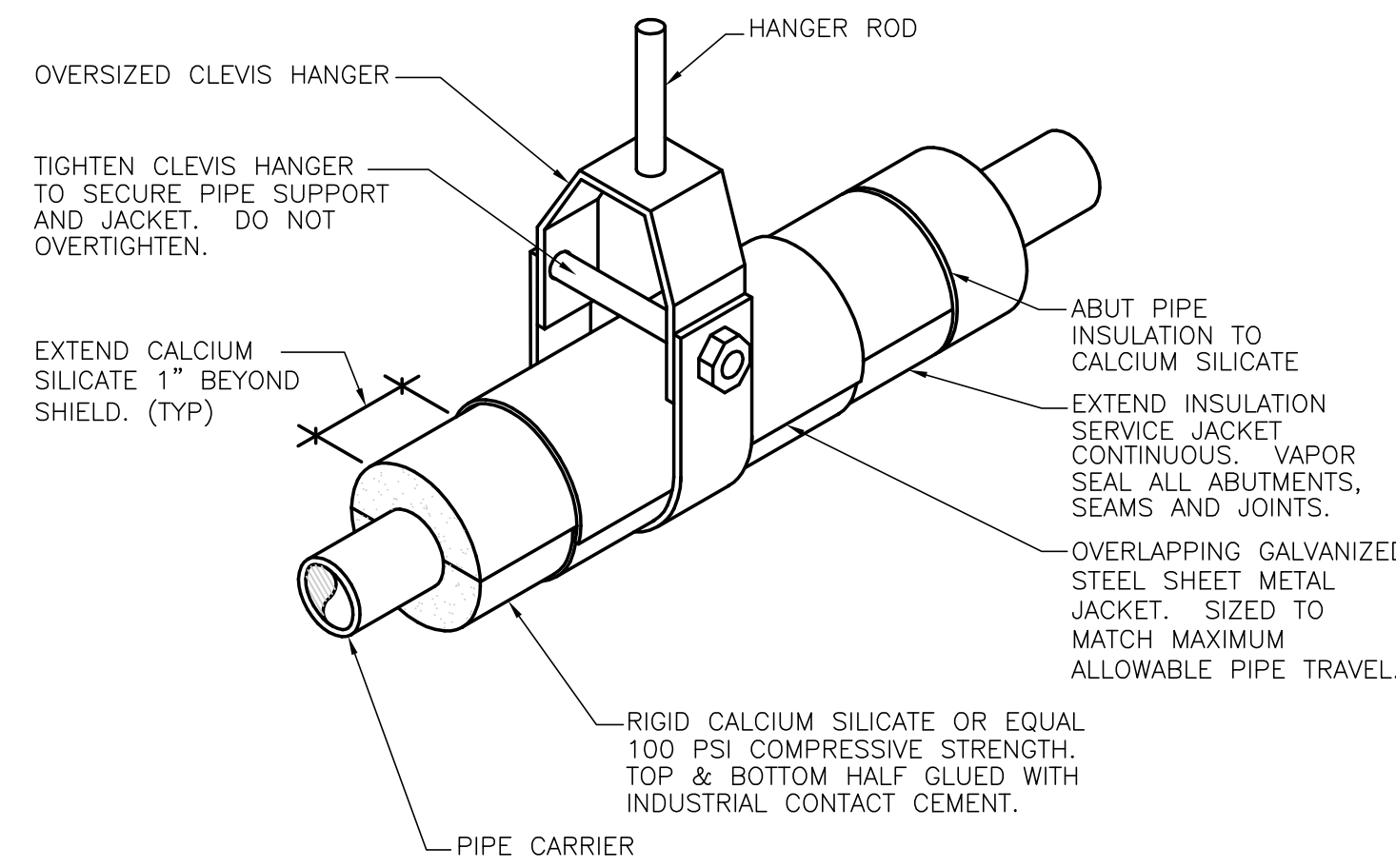


**4 OBSERVATION PORT DETAIL**  
 P3.1 NOT TO SCALE

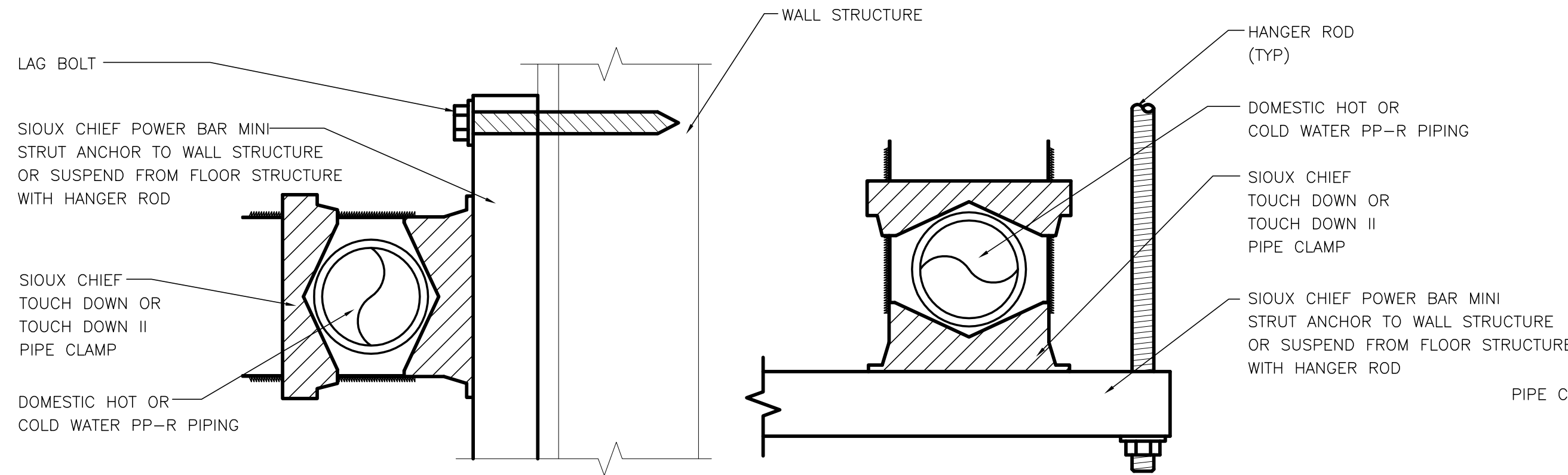


**5 SEPTIC SYSTEM PROFILE**  
 P3.1 NOT TO SCALE



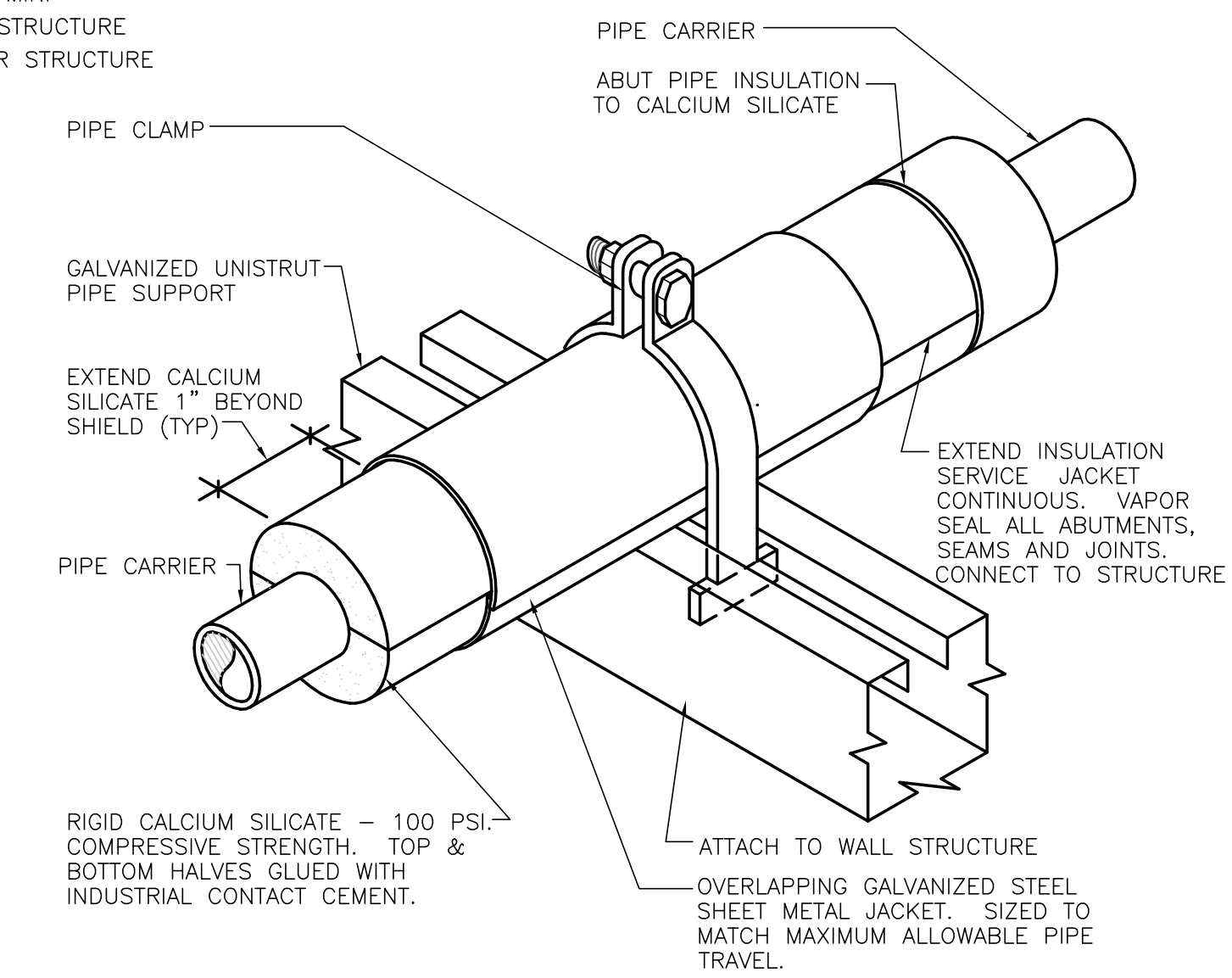


**1**  
**P302** NOT TO SCALE  
**SUSPENDED COPPER DOMESTIC WATER PIPE SUPPORT DETAIL**

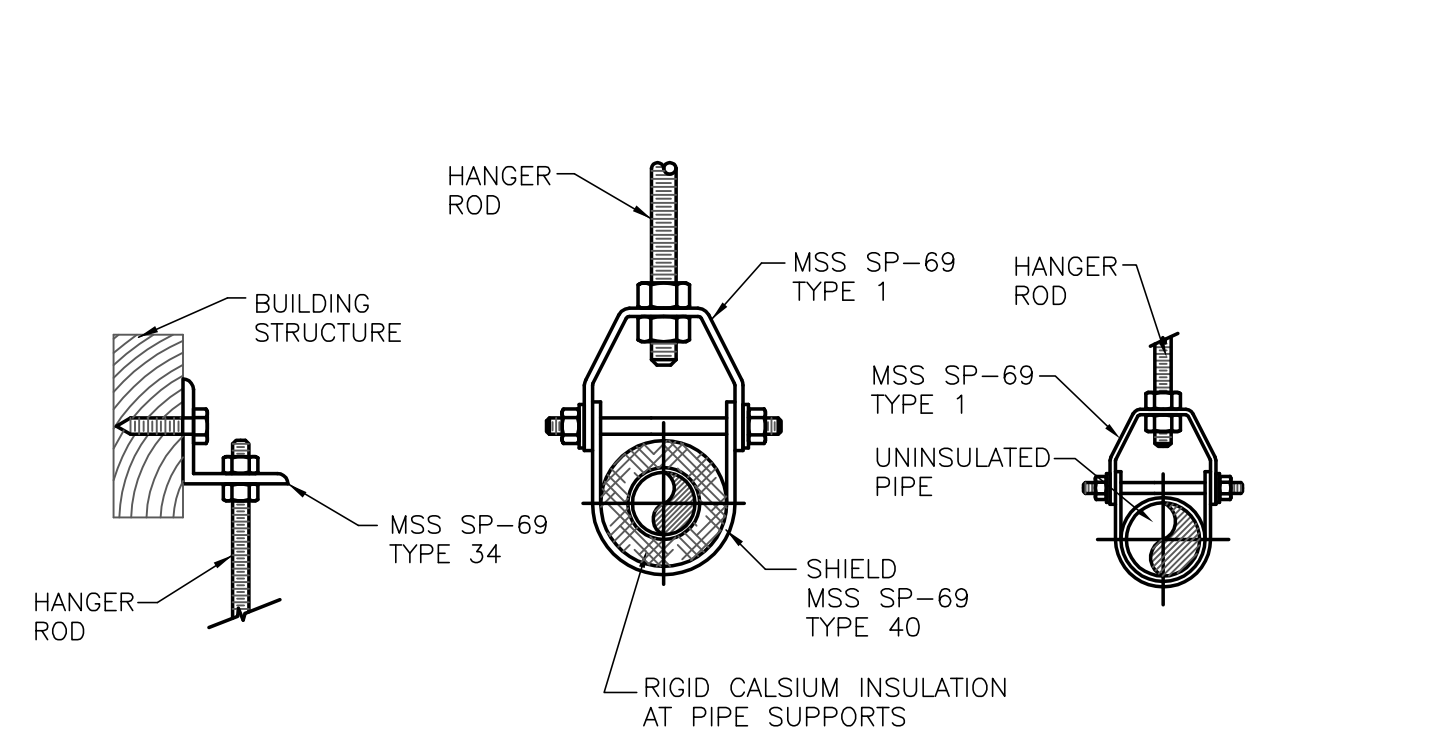


**2**  
**P302** NOT TO SCALE  
**PP-R DOMESTIC WATER PIPE SUPPORT DETAIL**

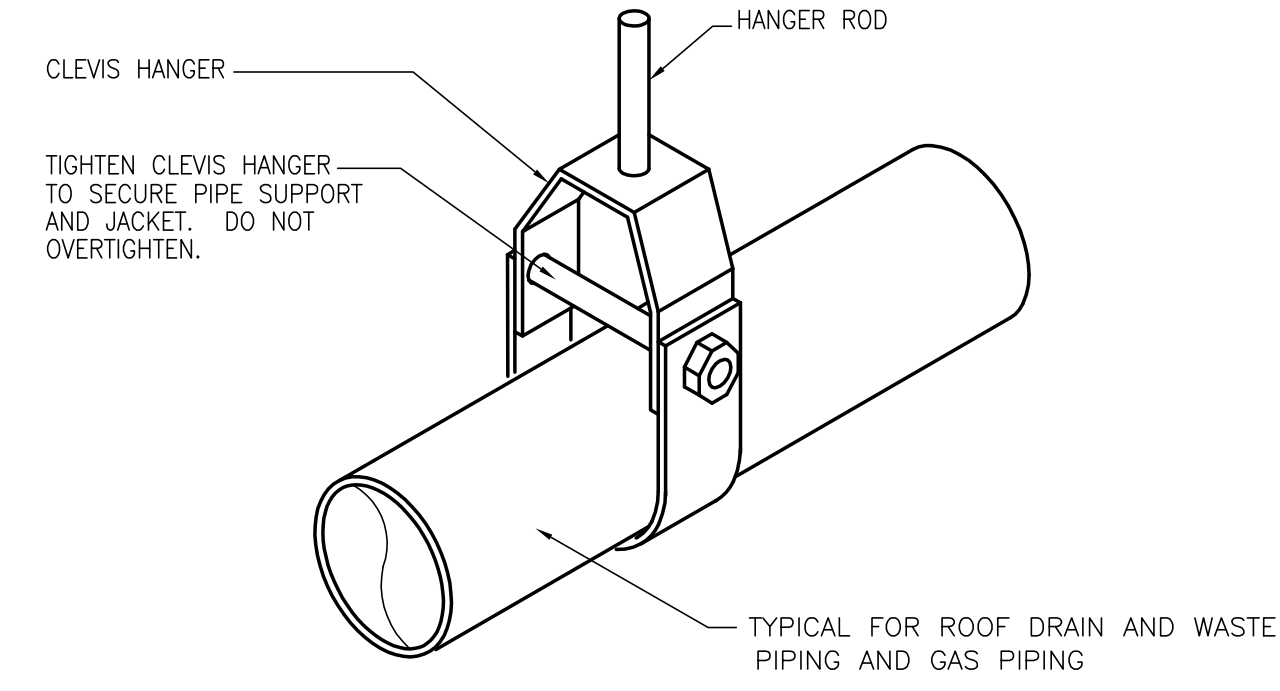
NOTE:  
 1- SUPPORT PP-R PIPE AT 48" O.C. MAXIMUM AND WITH IN 6" OF CHANGE IN DIRECTION AND AT EACH BALL VALVE.  
 2- POWER BAR MINI STRUT CHANNEL, TOUCH DOWN II AND TOUCH DOWN PIPE CLAMP ARE SIoux CHIEF MANUFACTURING



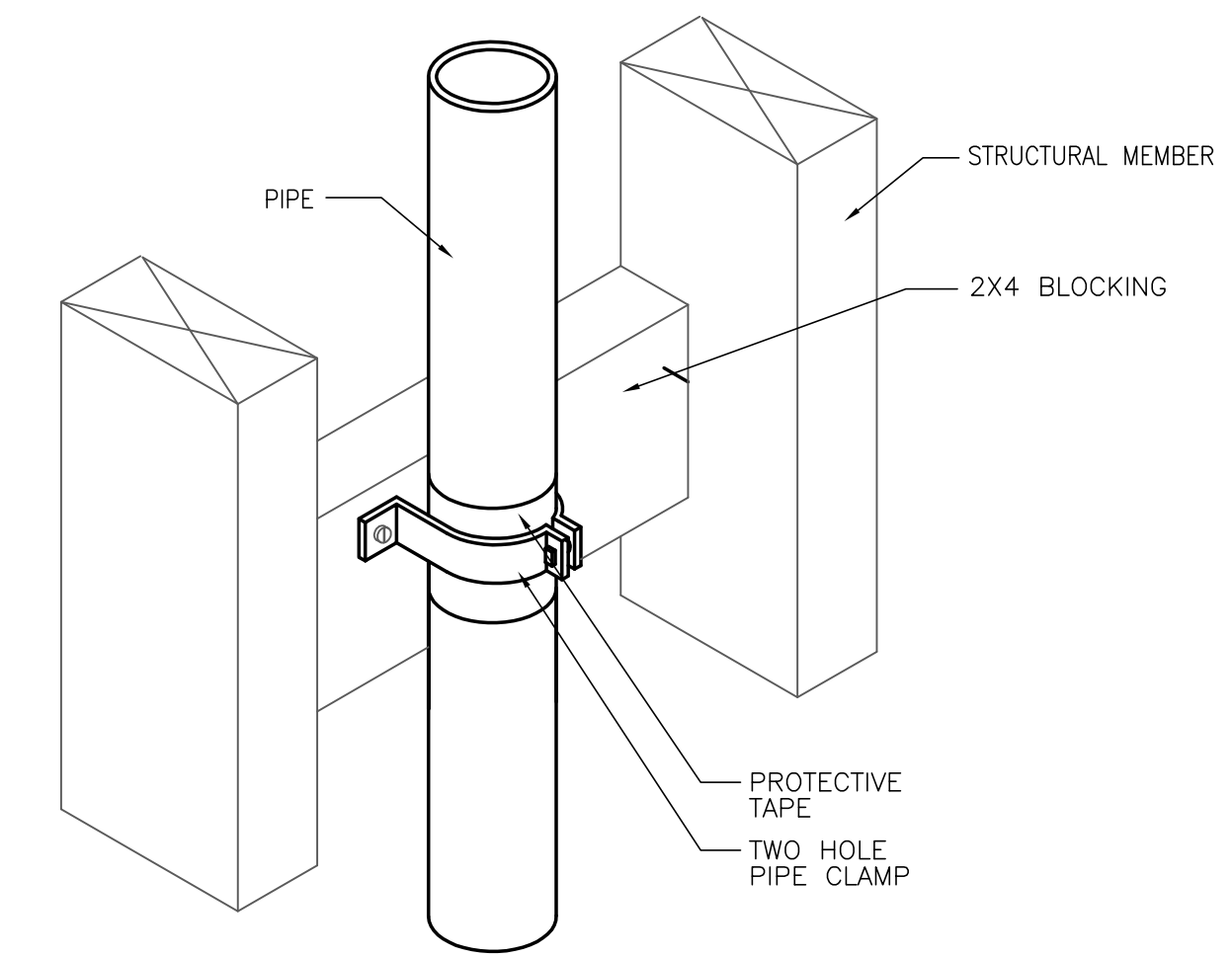
**3**  
**P302** NOT TO SCALE  
**WALL MOUNTED COPPER DOMESTIC WATER PIPE SUPPORT DETAIL**



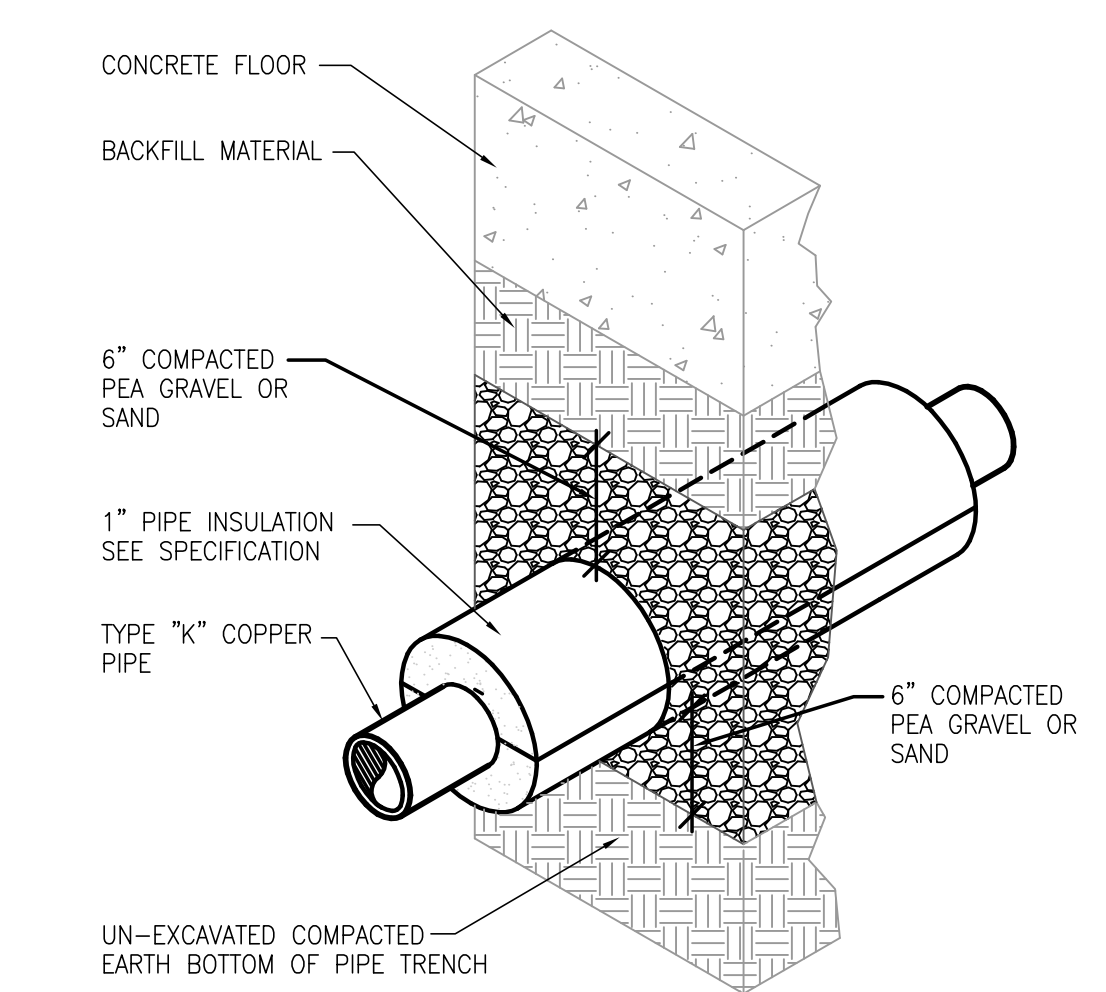
**4**  
**P302** NOT TO SCALE  
**SUSPENDED PIPE SUPPORT DETAILS**



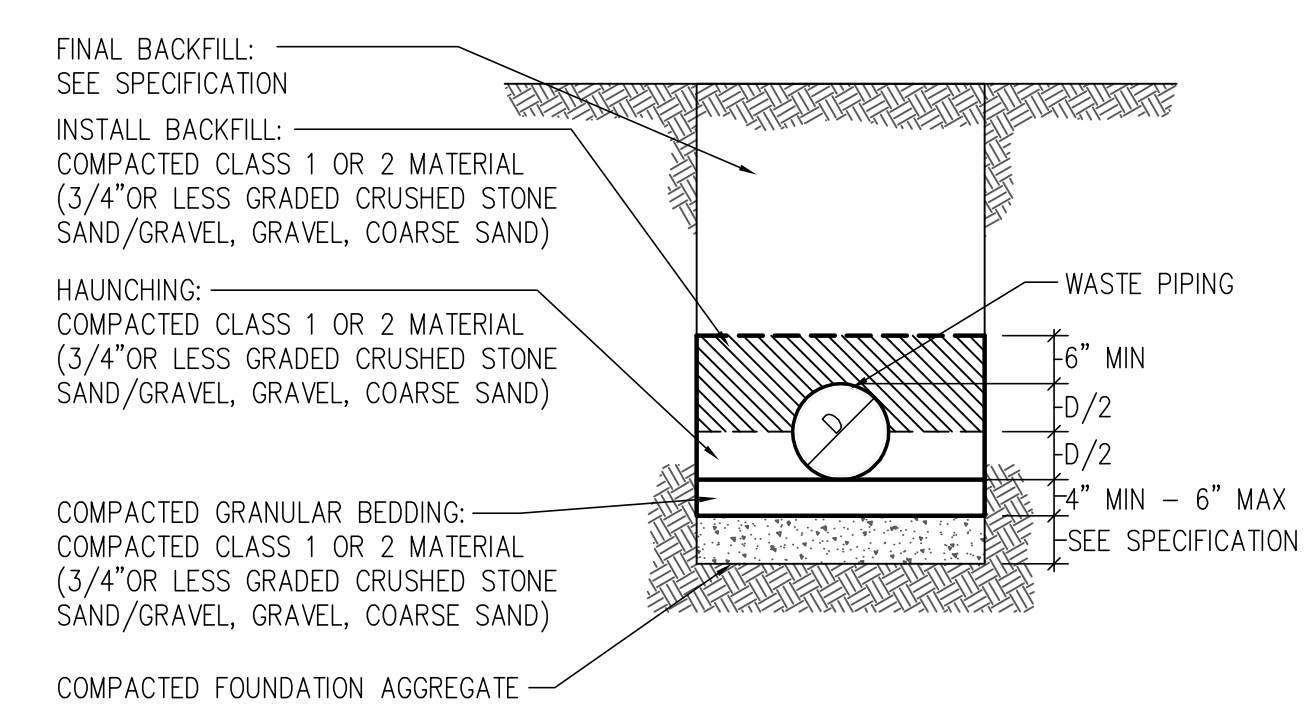
**5**  
**P302** NOT TO SCALE  
**SUSPENDED VENT PIPE SUPPORT DETAIL**



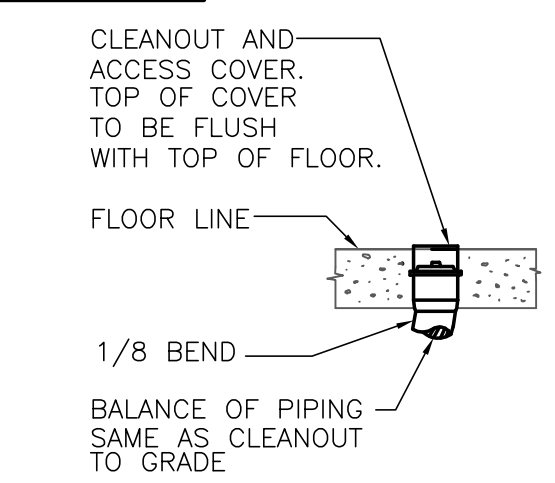
**6**  
**P302** NOT TO SCALE  
**VERTICAL VENT PIPE SUPORT DETAIL**



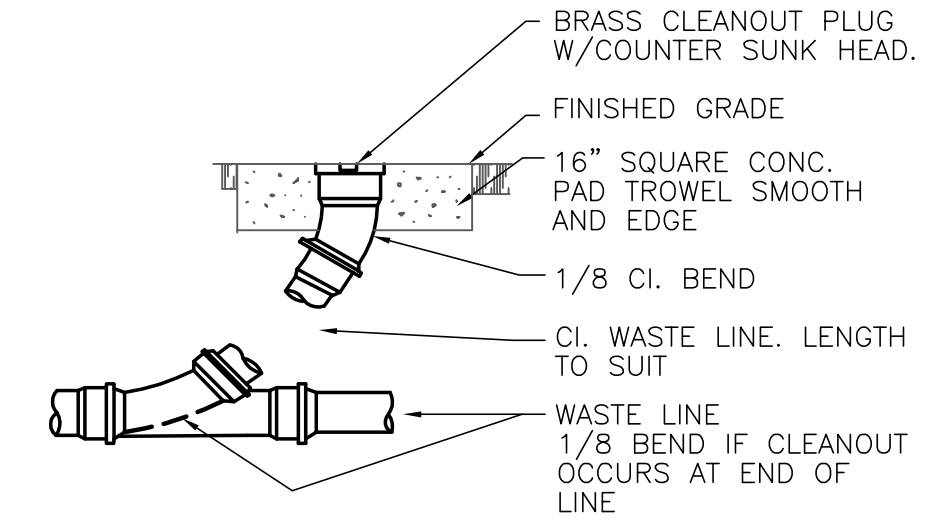
**7**  
**P302** NOT TO SCALE  
**BELOW GRADE COLD WATER PIPE INSTALLATION DETAIL**



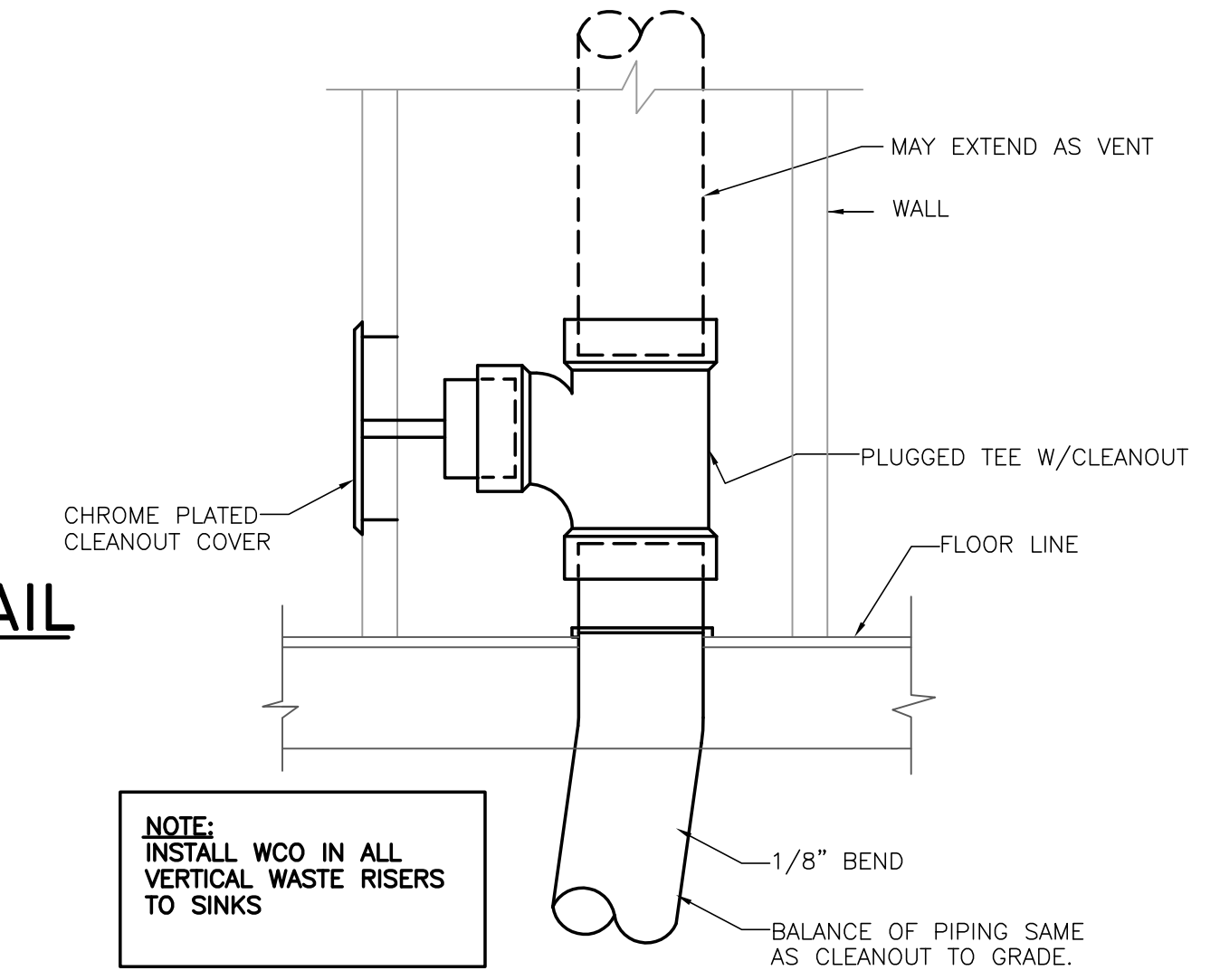
**8**  
**P302** NOT TO SCALE  
**TYPICAL BACKFILL FOR WASTE PIPING**



**9**  
**P302** NOT TO SCALE  
**FLOOR CLEANOUT DETAIL**



**10**  
**P302** NOT TO SCALE  
**CLEANOUT TO GRADE DETAIL**



**11**  
**P302** NOT TO SCALE  
**WALL CLEANOUT DETAIL**

NOTE:  
 INSTALL WCO IN ALL VERTICAL WASTE RISERS TO SINKS

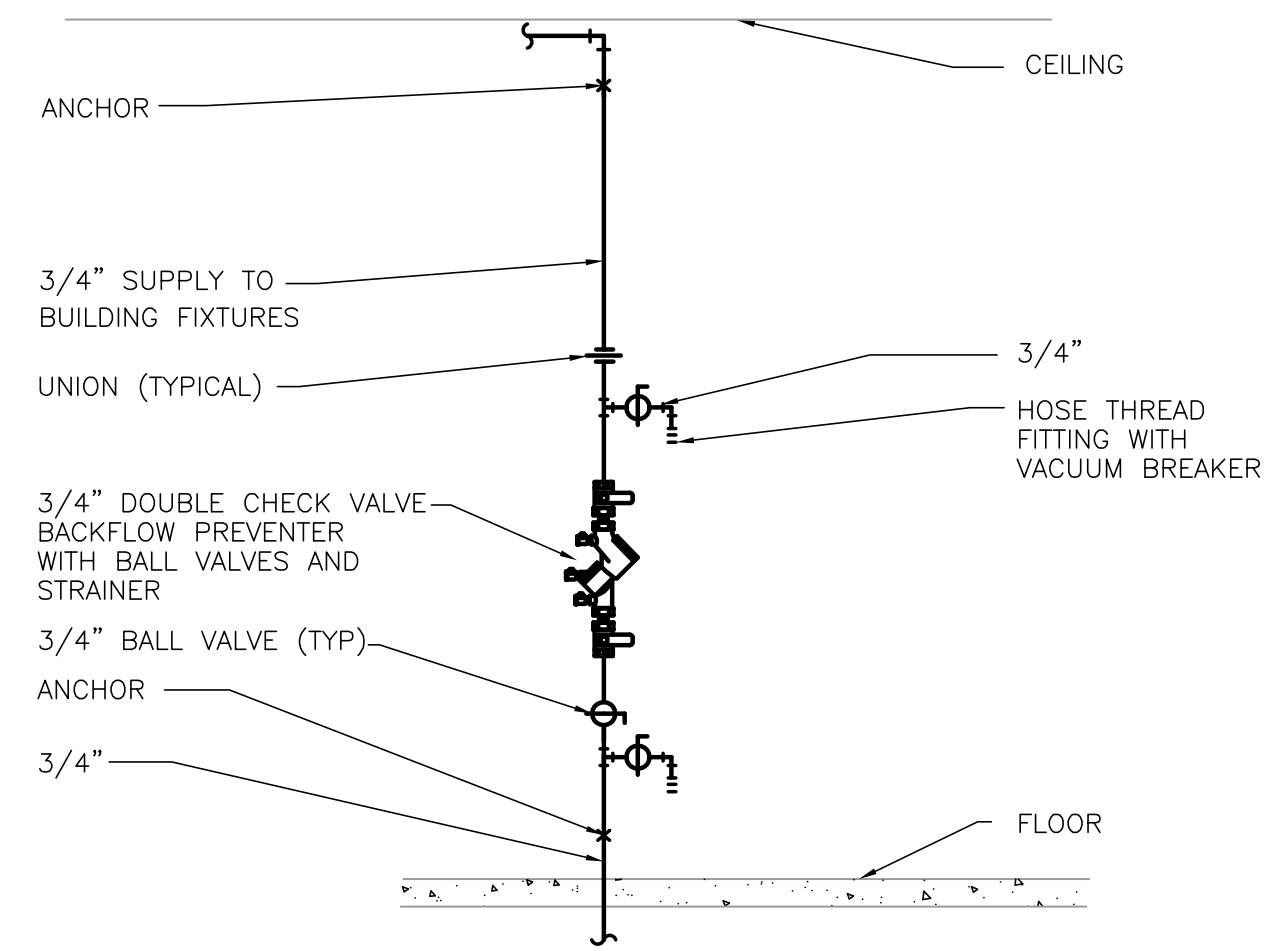
**DETAILS**

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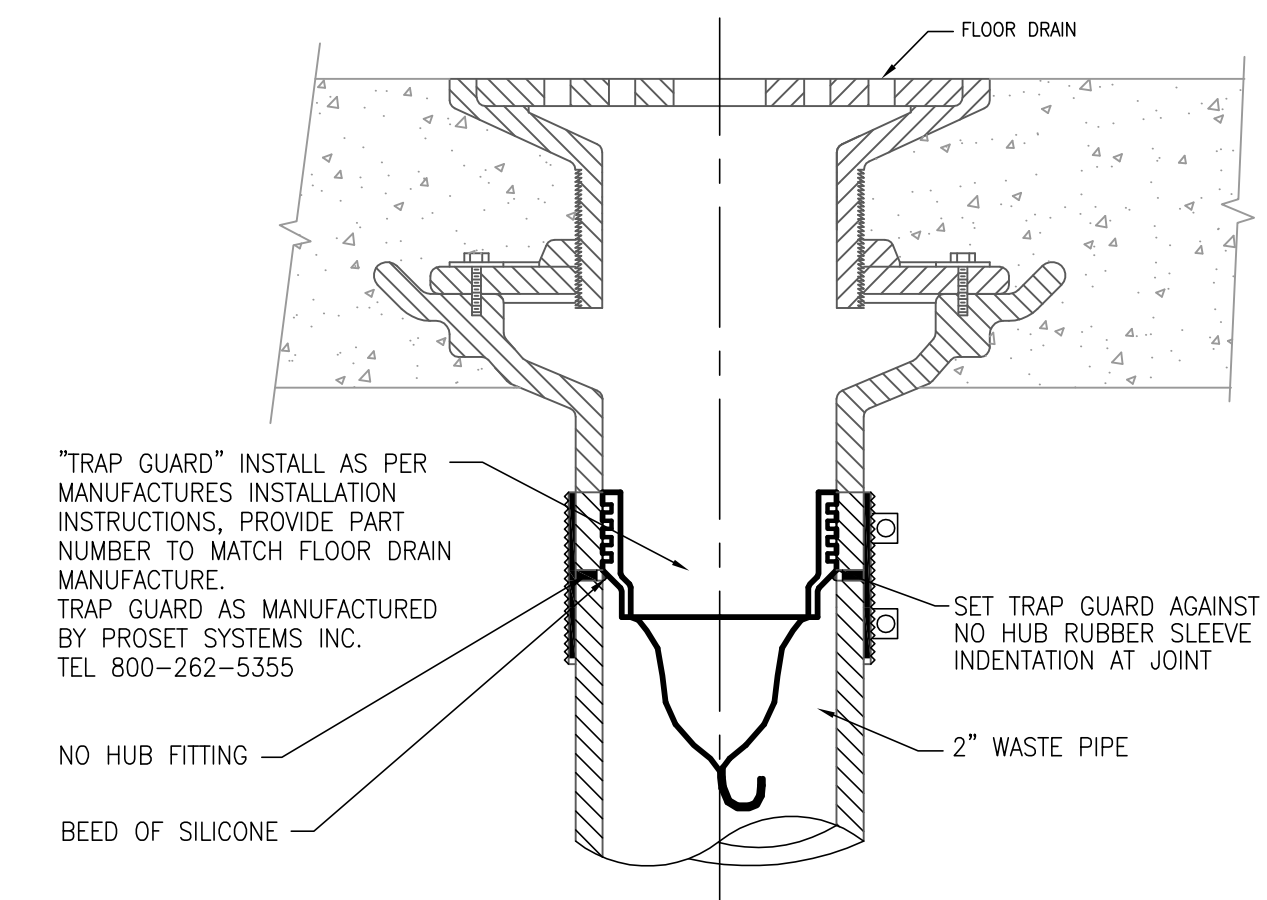


06.29.18  
 Project Number: 1814  
 Property Number: 510-4718  
 CAMP SHAWNEE PAVILION  
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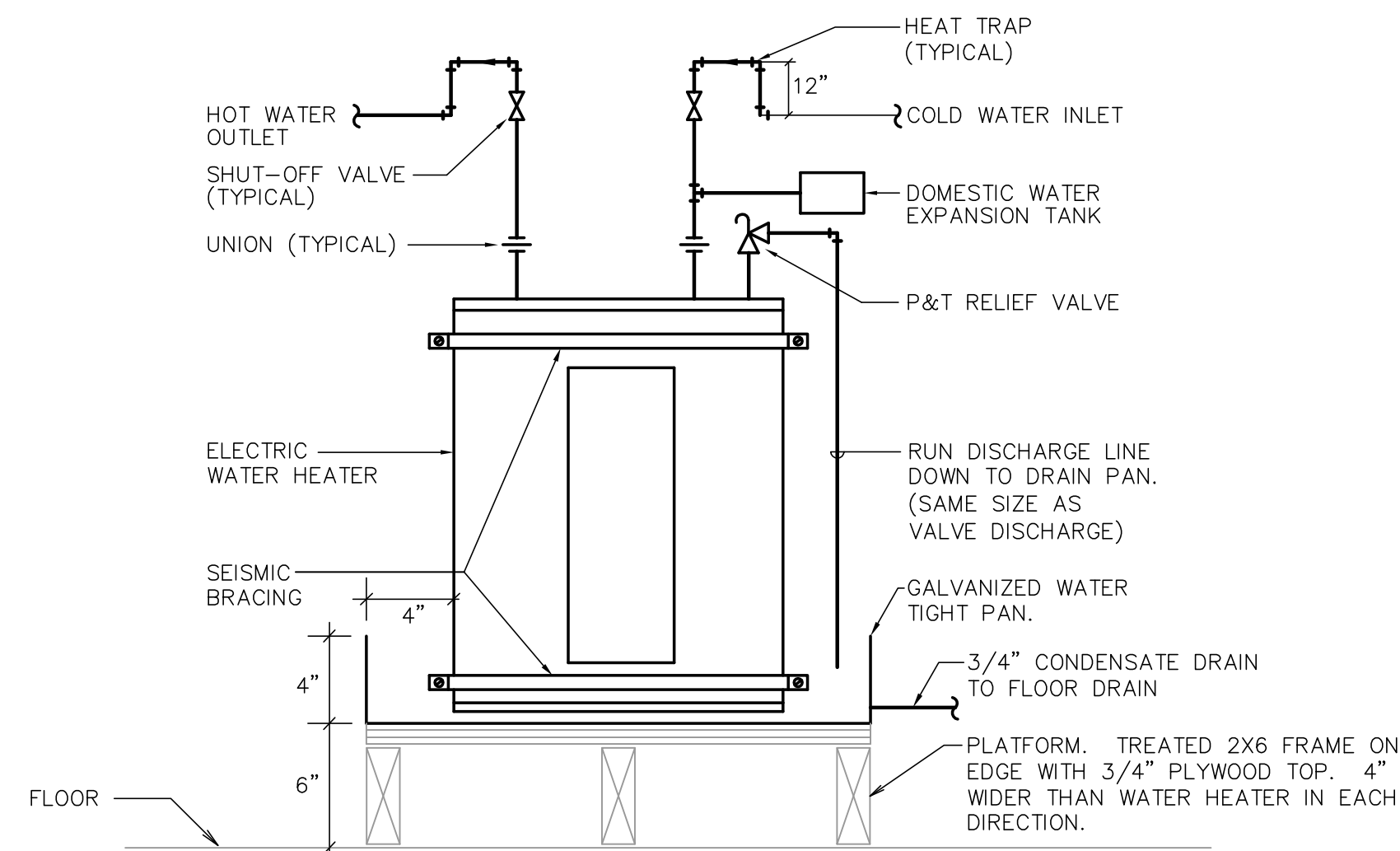
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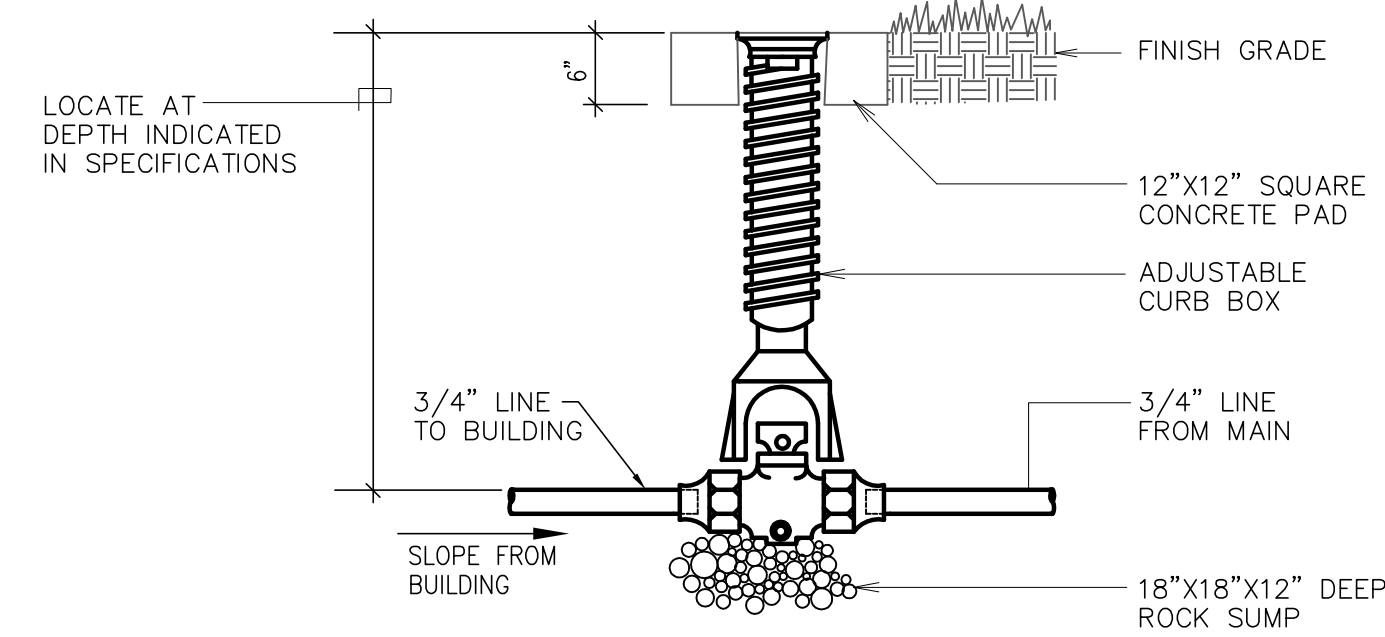
**1**  
**WATER SUPPLY RISER AND BACKFLOW PREVENTER DETAIL**  
 P303 NOT TO SCALE



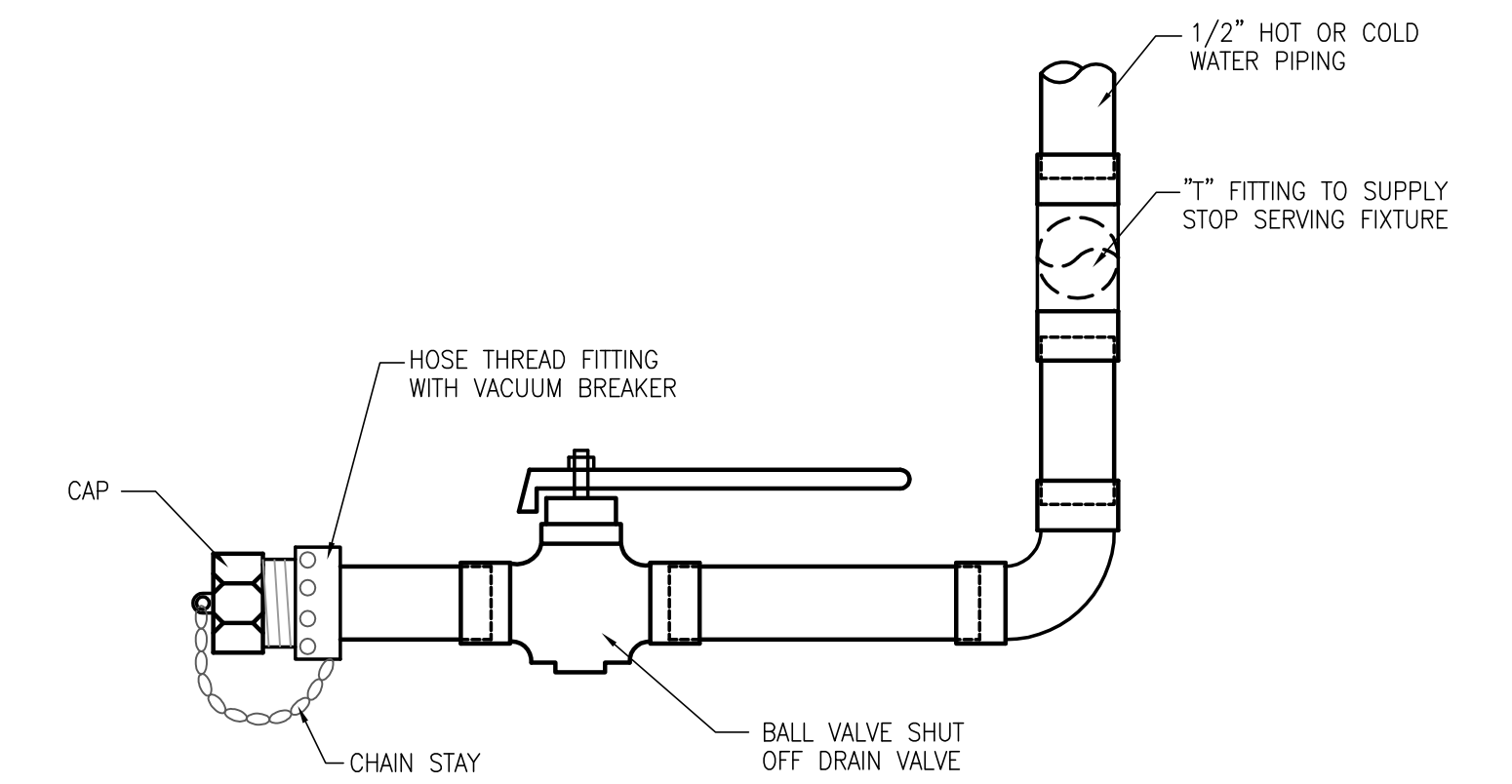
**2**  
**TRAP GUARD TRAP SEAL DETAIL**  
 P303 NOT TO SCALE



**3**  
**ELECTRIC HOT WATER HEATER DETAIL**  
 P303 NOT TO SCALE



**4**  
**STOP AND WASTE VALVE DETAIL**  
 P303 NOT TO SCALE



**5**  
**TYPICAL END OF LINE DRAIN VALVE DETAIL**  
 P303 NOT TO SCALE

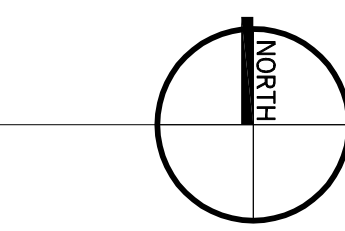
DETAILS

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 Phone: (801) 782-9642 Fax: (801) 786-1559 E-mail: todd@pdaviseng.com

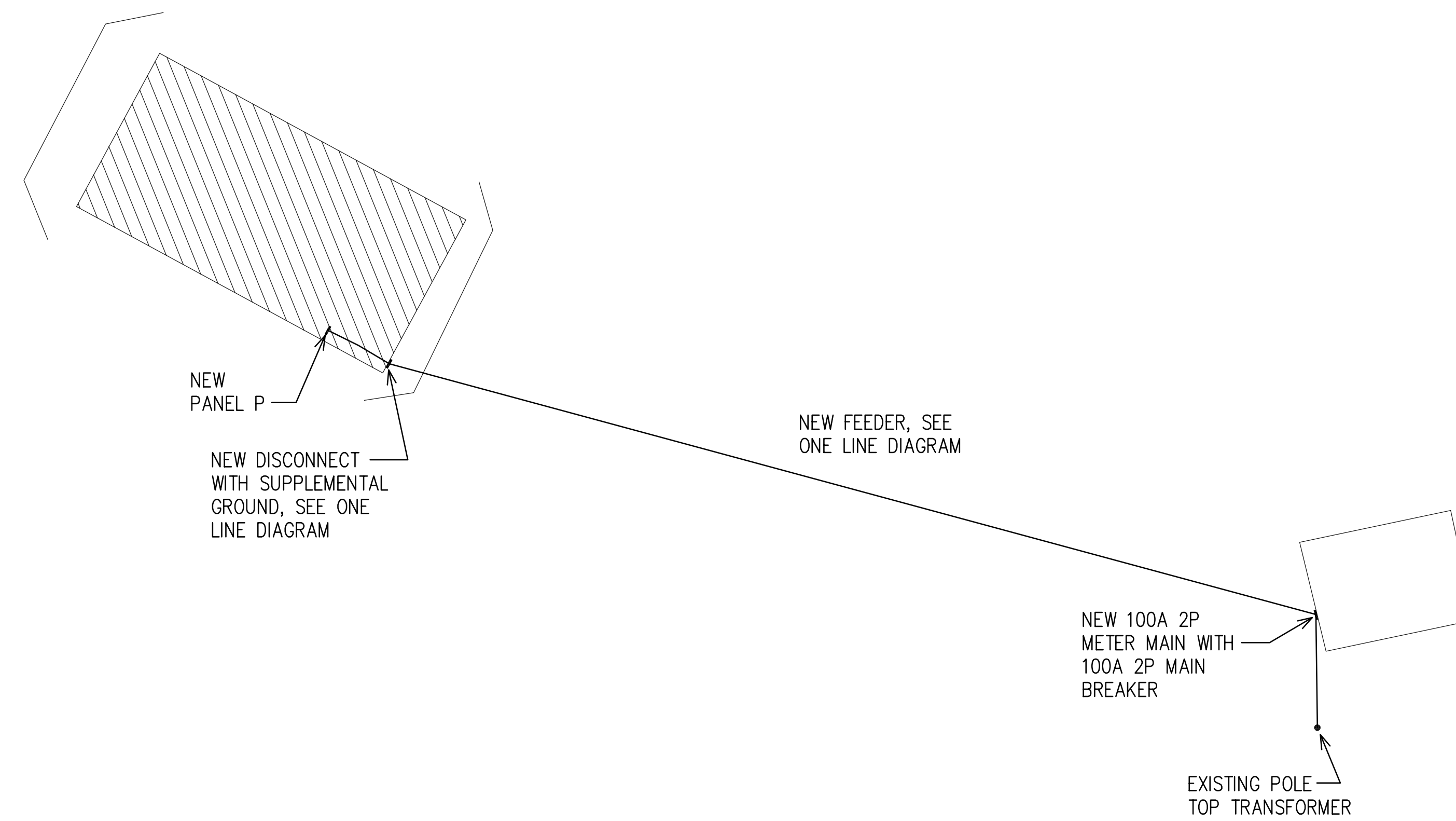


06.29.18  
 Project Number: 1814  
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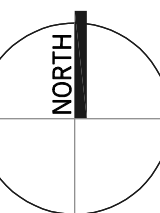
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P303



ELECTRICAL SITE PLAN



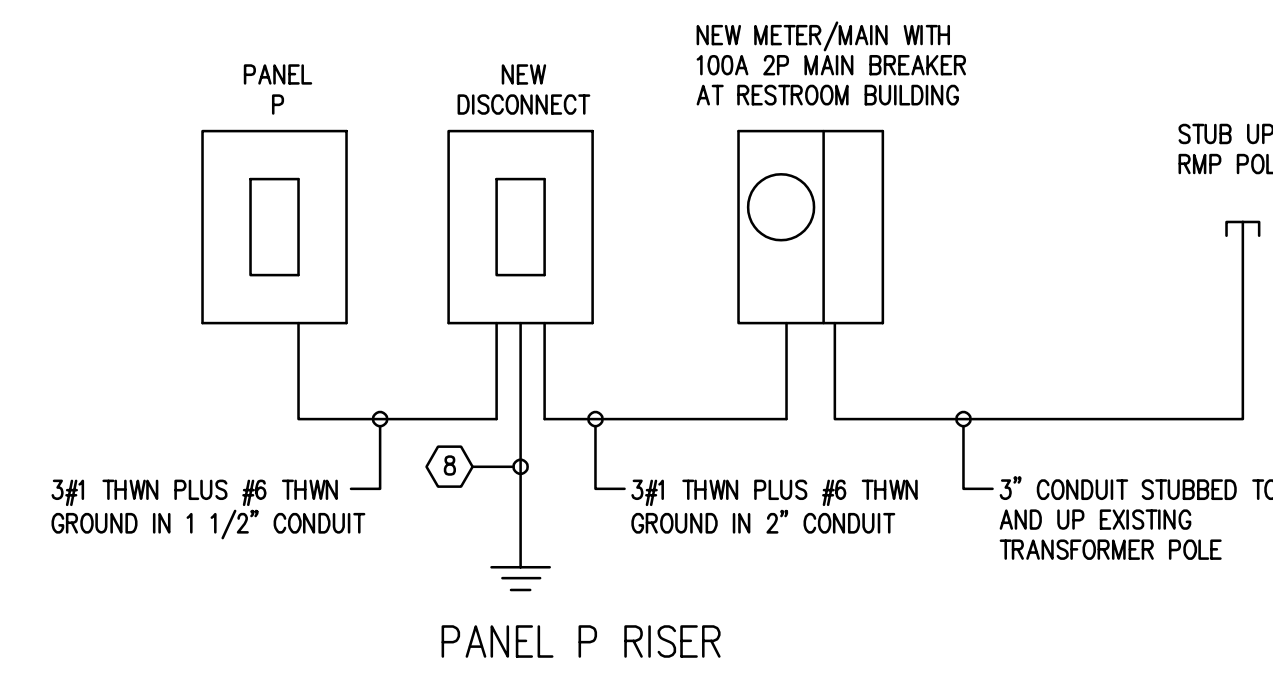
1" = 30'-0"  
 06.29.18  
 Project Number: 1814  
 Property Number: 510-4718



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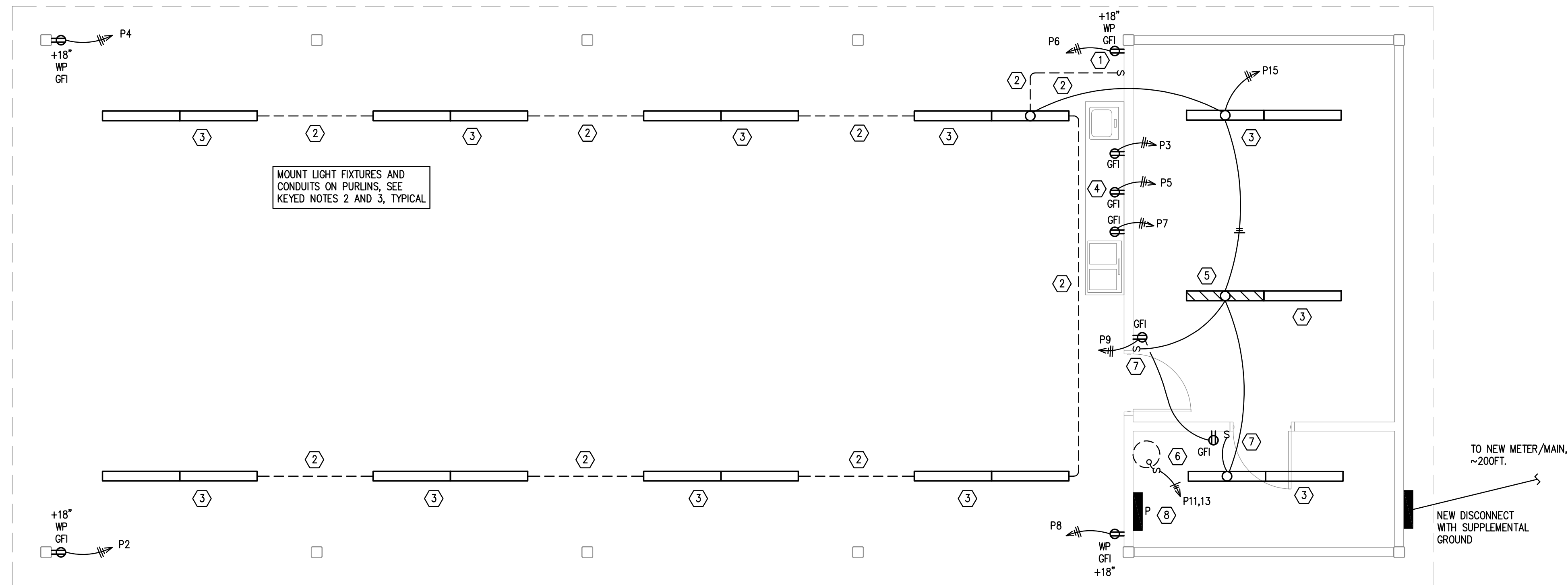
CAMP SHAWNEE PAVILION  
 2600 EAST 5100 NORTH  
 LIBERTY, UTAH

PANEL P		<input checked="" type="checkbox"/> NEW		TYPE NQ00		1 Ø 3 WIRE 120/240 VOLTS		LOCATION		MOUNTING						
		<input type="checkbox"/> EXISTING		REMARKS						<input type="checkbox"/> flush <input checked="" type="checkbox"/> surface						
		<input type="checkbox"/> Bolt on breakers								<input type="checkbox"/> 100 amp. main						
		<input type="checkbox"/> Isolated ground bus								<input type="checkbox"/> lugs <input checked="" type="checkbox"/> breaker						
No.	BRKR	CIRCUIT DESCRIPTION	L	O	M	WIRE	CIRC. LOAD	PHASE	CIRC. LOAD	WIRE	L	O	M	CIRCUIT DESCRIPTION	BRKR	No.
1	20	1						A	1000	10				DINING OUTLET	20	1
3		1				12	1000	B	2000	10				DINING OUTLET		4
5		1					1000		2000	10				DINING OUTLET		6
7		1					1000		1000	12				DINING OUTLET		8
9		2					1000		1000					SPARE		10
11	20	2					1800		1800					WATER HEATER		12
13							1800		1800							14
15	20	1					1100		1100					MAIN LIGHTING		16
17	20	1												SPARE		18
SEE ONE LINE DIAGRAM						TOTALS	5800	5800							AIC	10000
FEEDER						AMPS/PHASE	48	48						parallel runs	1	



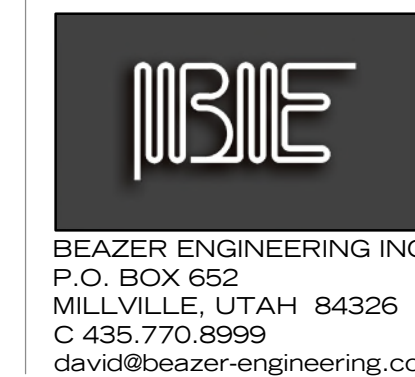
KEYED NOTES: (1-8)

1. Install time switch (4-hour cycle, no-hold, automatic shut-off, Intermatic #FF34H or equal by Paragon or Torq) with weatherproof cover on column at 48 inches above concrete slab to top of box. Use intermediate metal conduit or rigid steel conduit for exposed risers up to switch or outlets.
2. Connect lighting fixtures with surface mounted 1/2-inch EMT and steel fittings and no. 12 THWN or XHHW copper conductors. Conduit not to be attached to roof decking. Attach to beams or purlins.
3. Lighting fixtures shall be impact resistant, enclosed, surface mounted fluorescent with four F032 T8 lamps, low temperature electronic ballasts, and damp location label. Lithonia TDMW232-AR-120 or equal by Columbia, Day-Brite, or Metalux. Mount lights on purlins. Light fixtures not to be attached to roof decking.
4. Locate outlets above counter, see architectural.
5. Install emergency battery pack in this fixture to operate one lamp at 600 lumens per specification.
6. Electric water heater, verify location and load with mechanical drawings prior to bid.
7. Install time switch (4-hour cycle, no-hold, automatic shut-off, Intermatic #FF34H or equal by Paragon or Torq) at 48 inches to top of box.
8. Provide supplementary grounding at disconnect. 20ft. of #4 bare copper in footing, see specifications. If no new footings provide two ground rods per specifications.



ELECTRICAL PLAN

1/4" = 1'-0"  
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