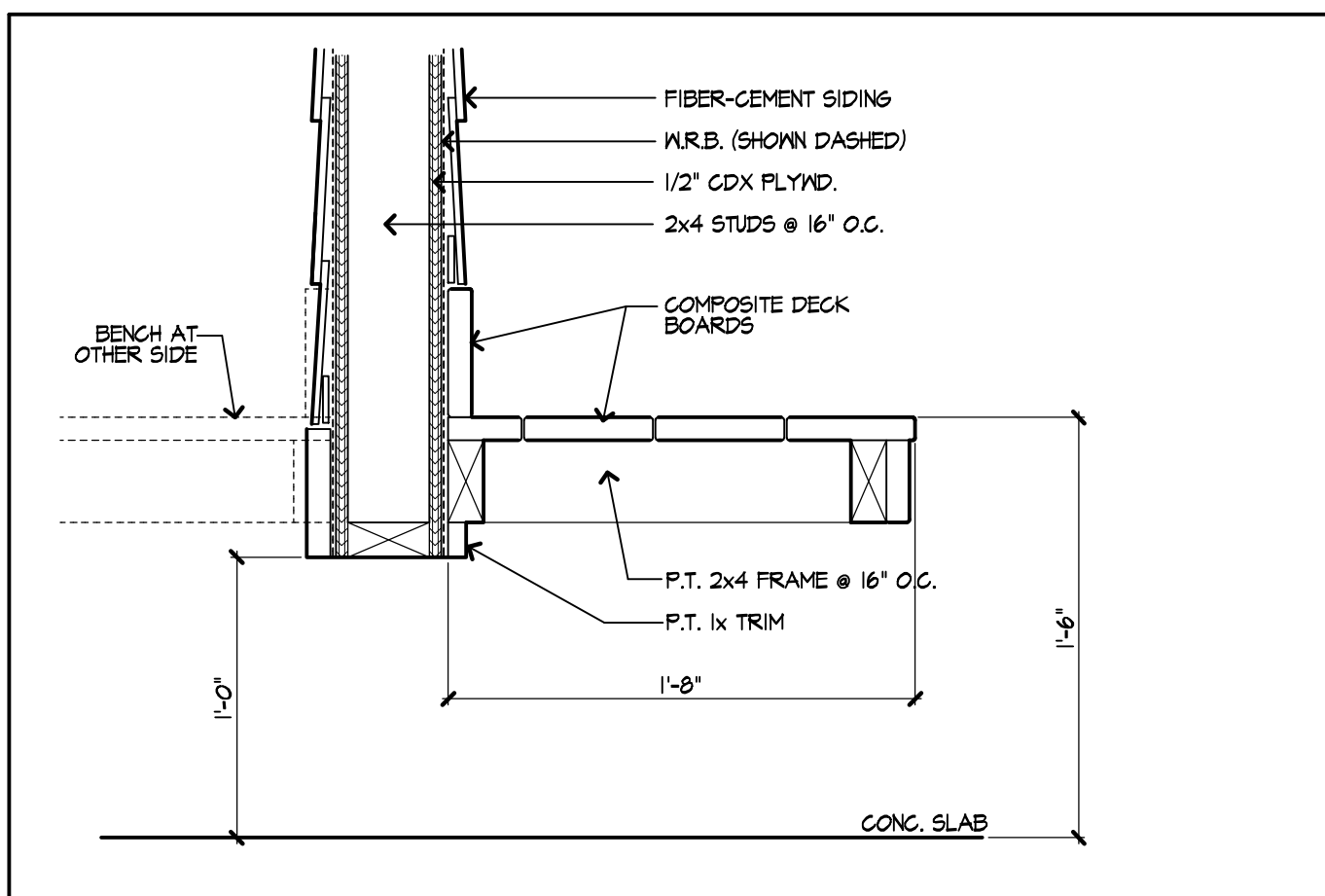
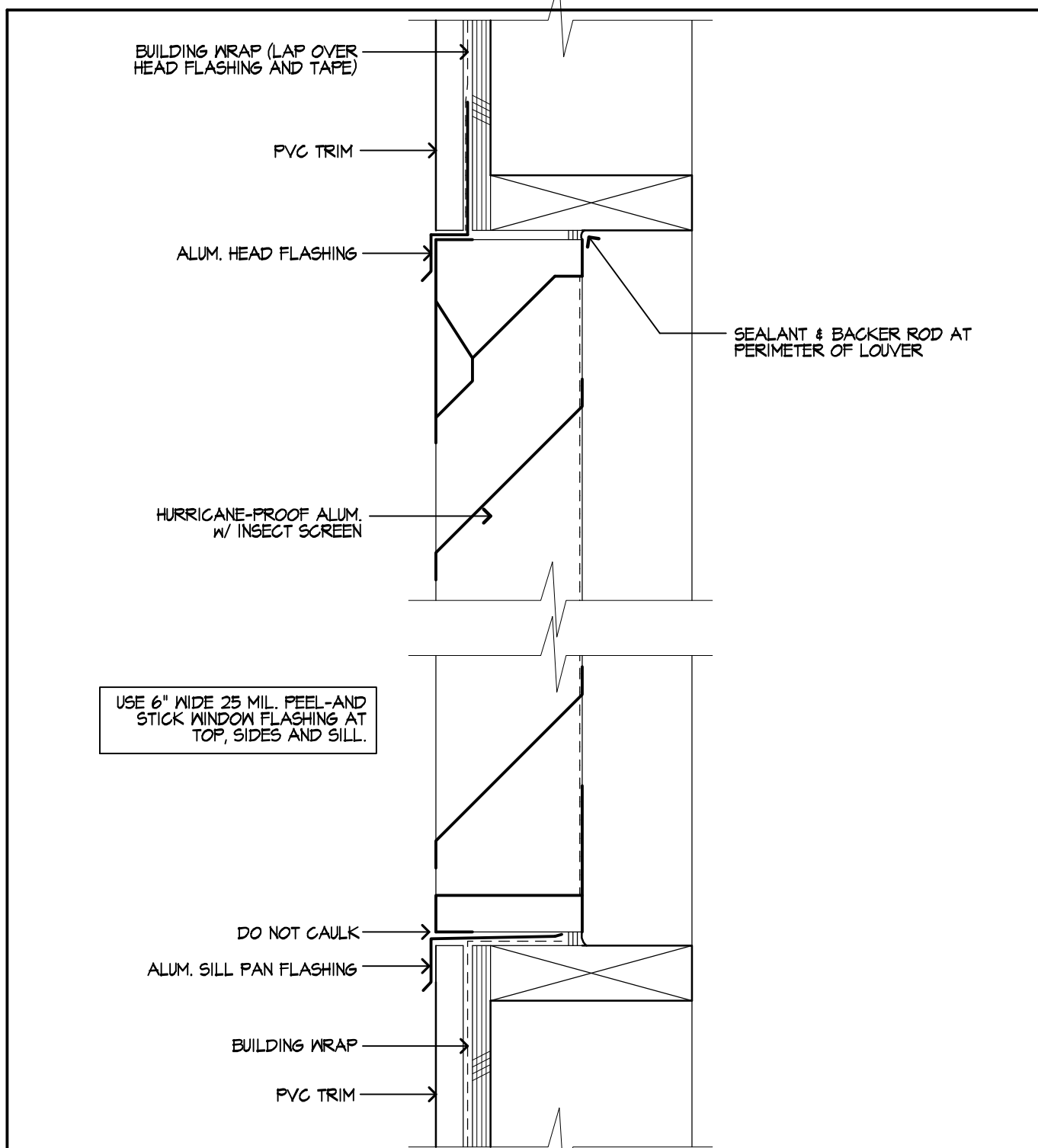


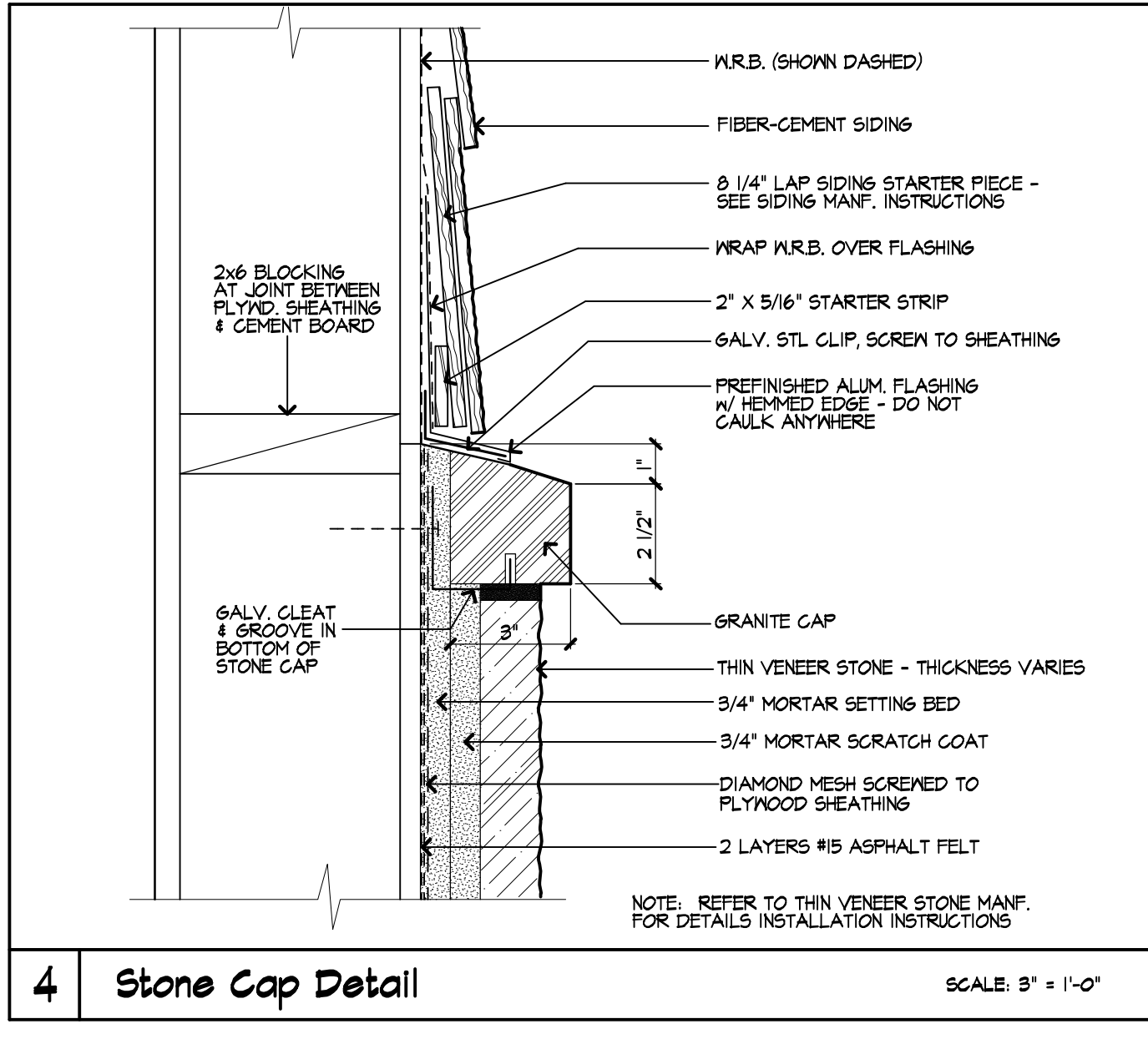
**7** Vanity Counter Detail SCALE: 1/2" = 1'-0"



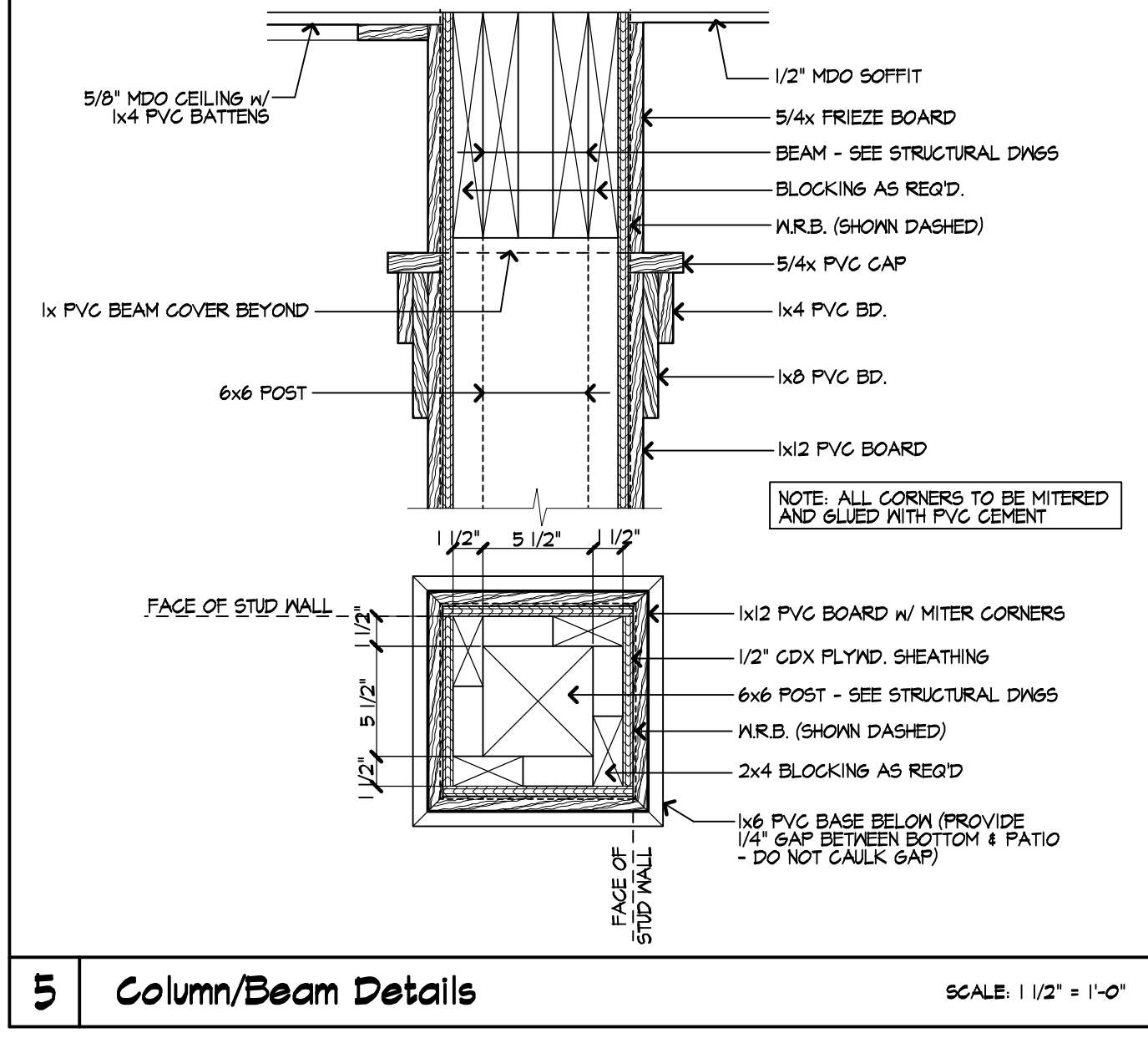
**8** Built-in Seat Detail SCALE: 1/2" = 1'-0"



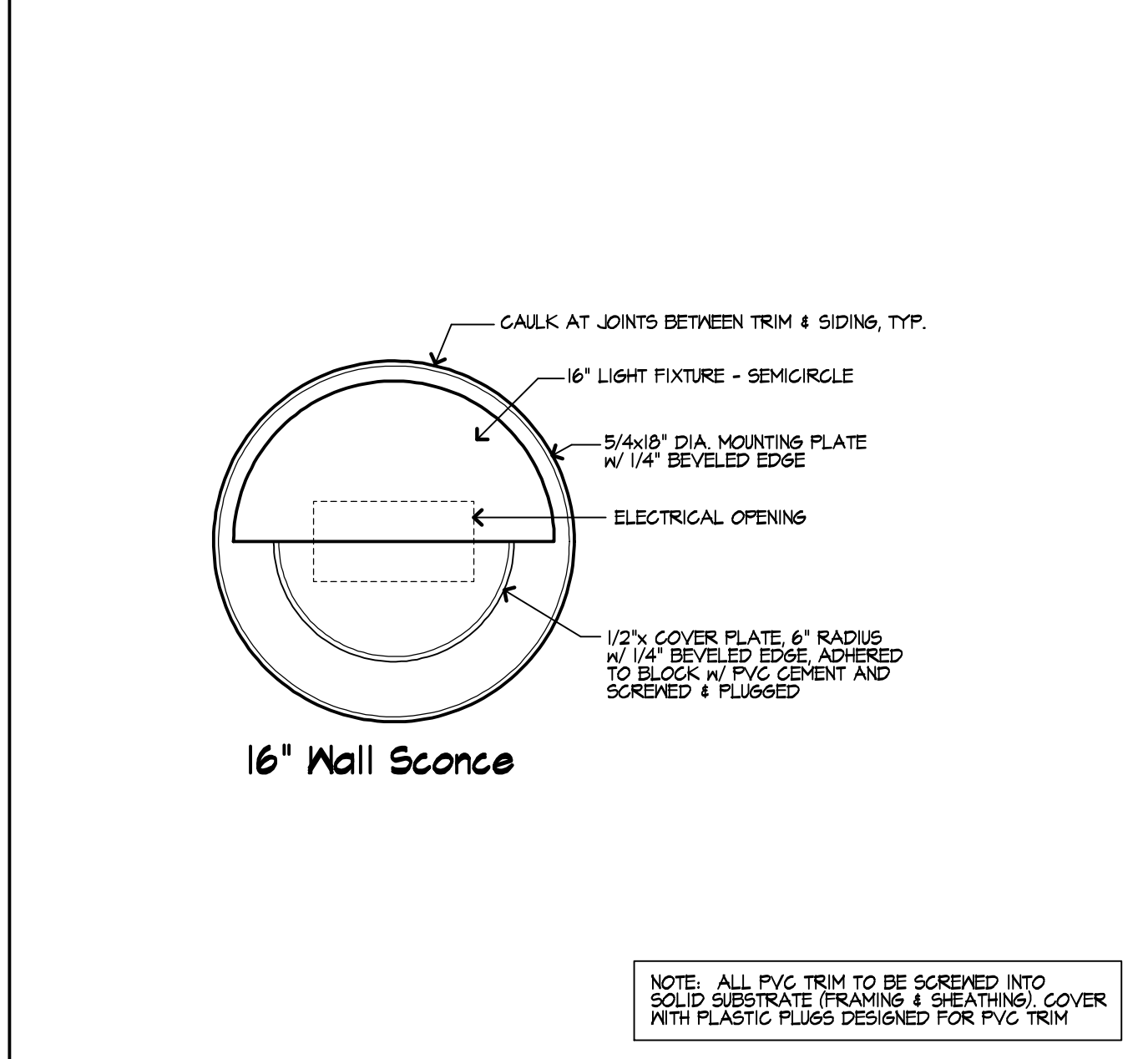
**9** Vent Louver Detail SCALE: 3" = 1'-0"



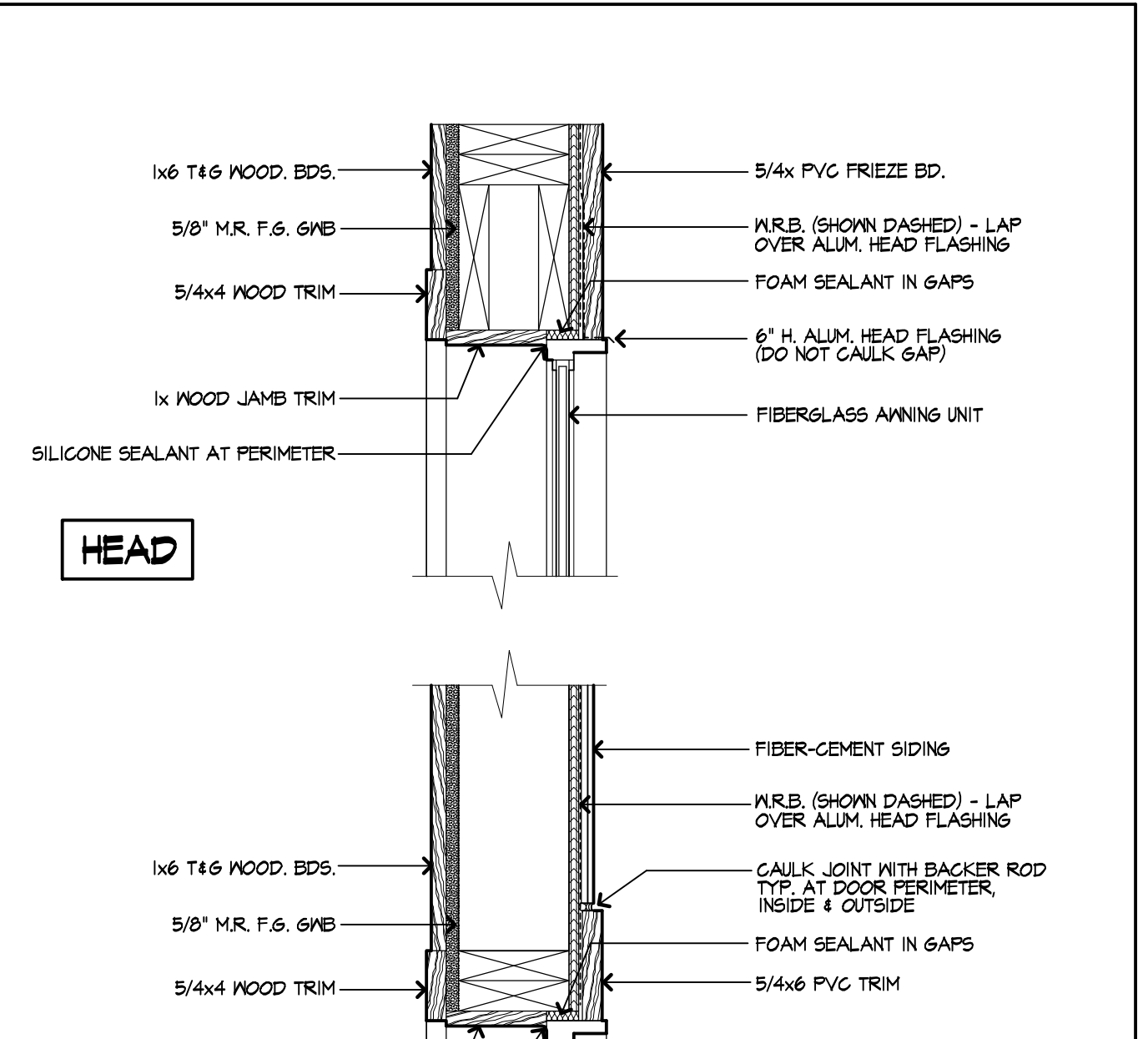
**4** Stone Cap Detail SCALE: 3" = 1'-0"



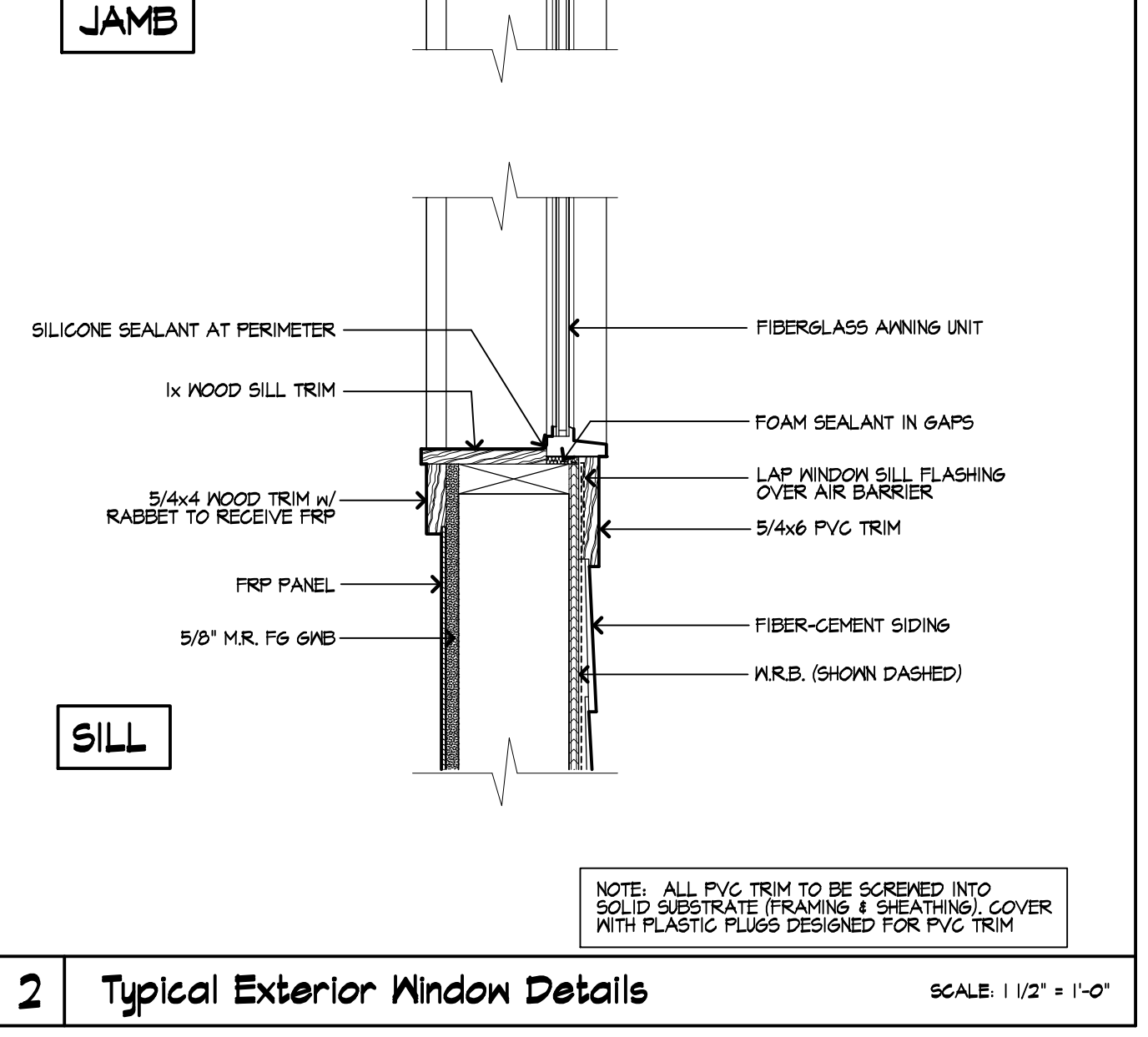
**5** Column/Beam Details SCALE: 1/2" = 1'-0"



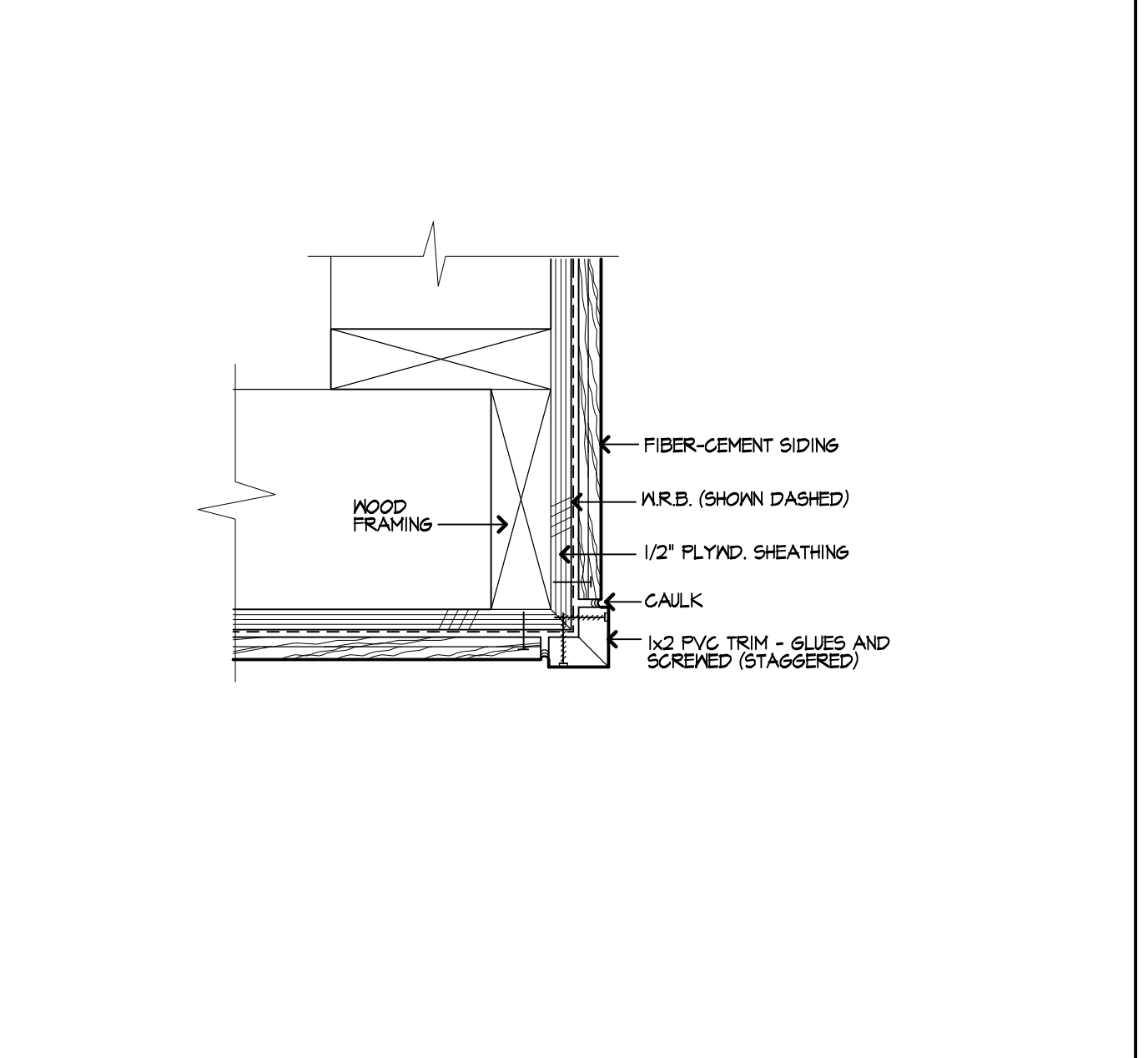
**6** Wall Sconce Mounting Detail SCALE: 1/2" = 1'-0"



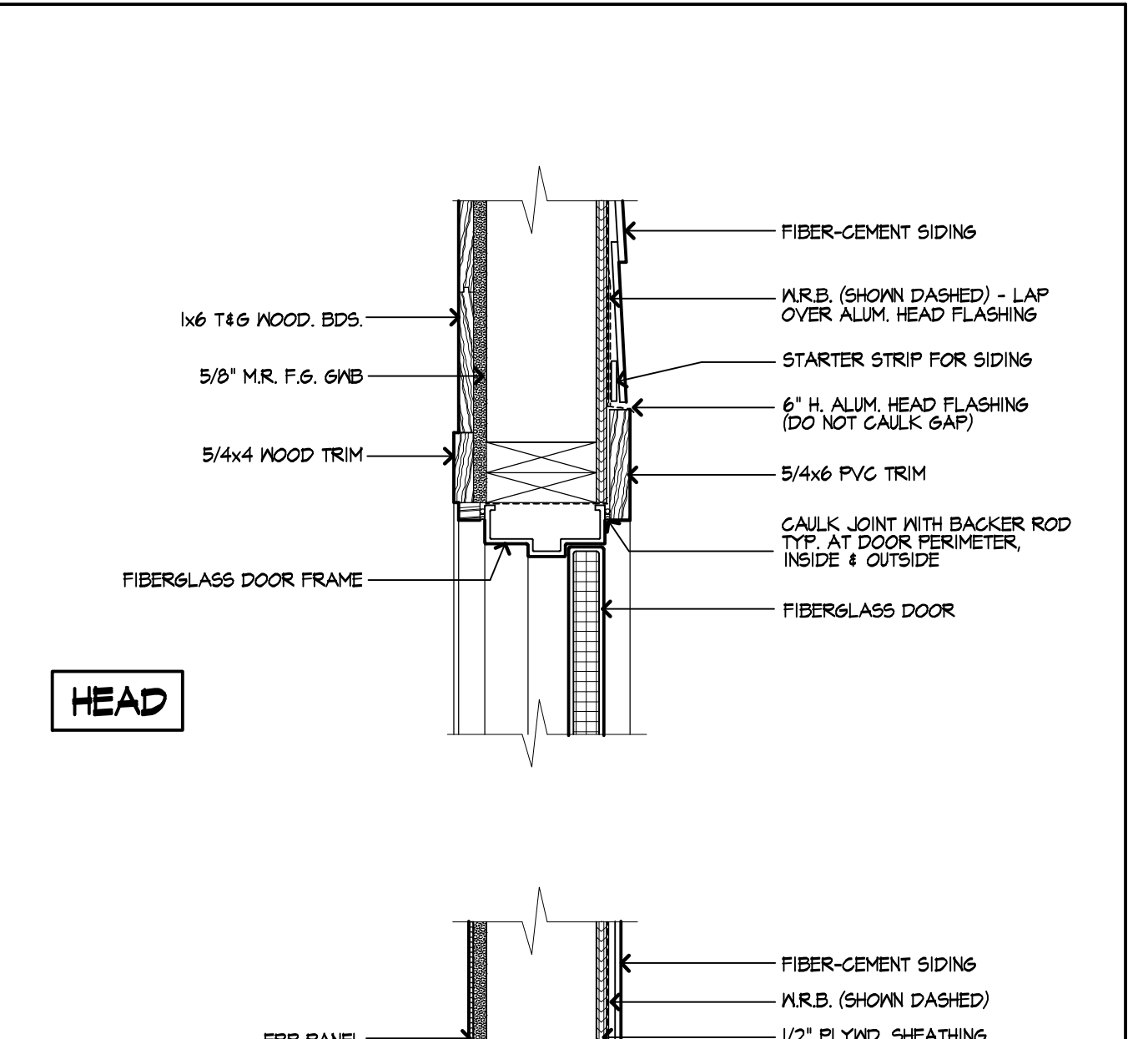
**2** Typical Exterior Window Details SCALE: 1/2" = 1'-0"



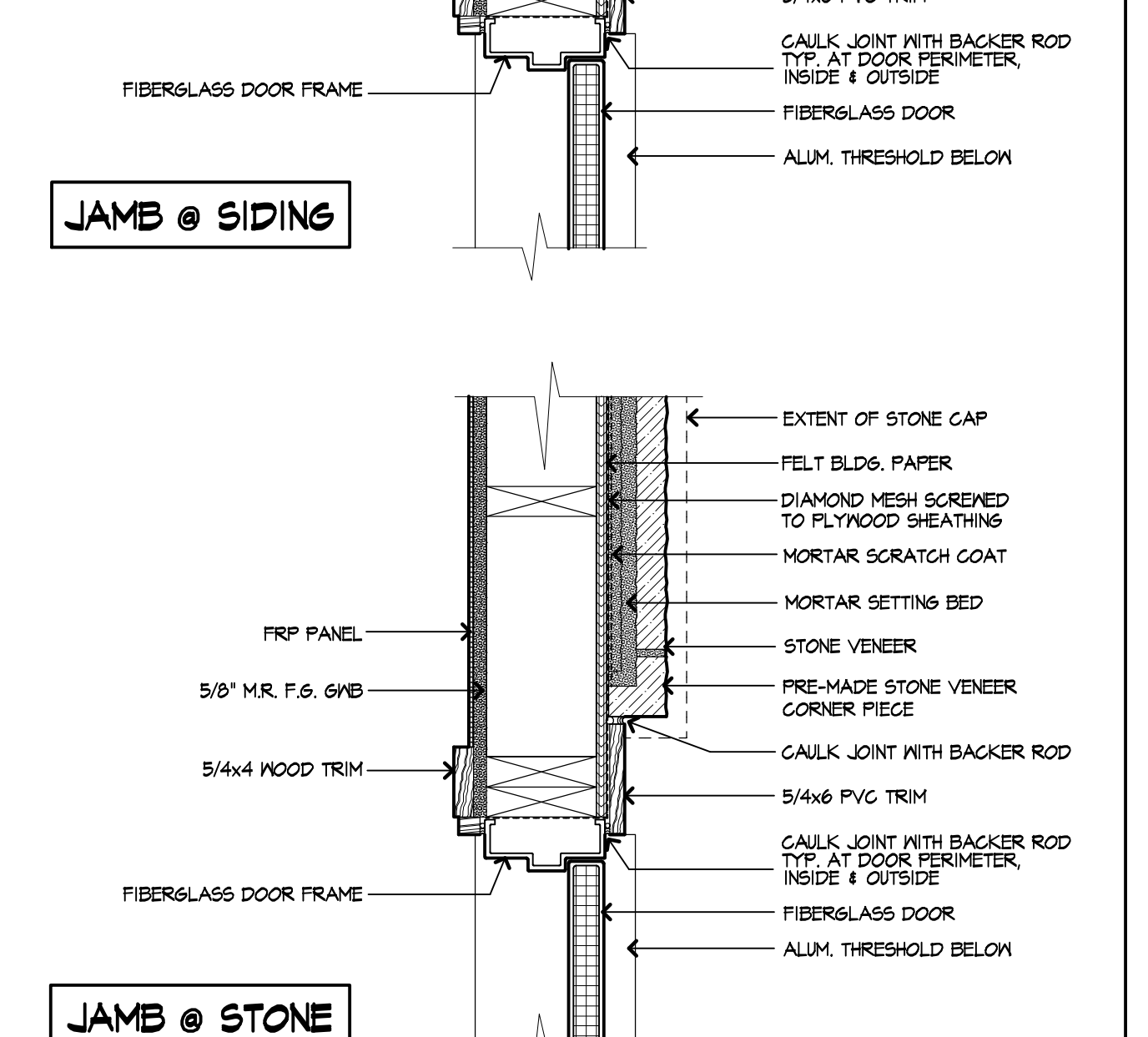
**3** Corner PVC Detail SCALE: 3" = 1'-0"



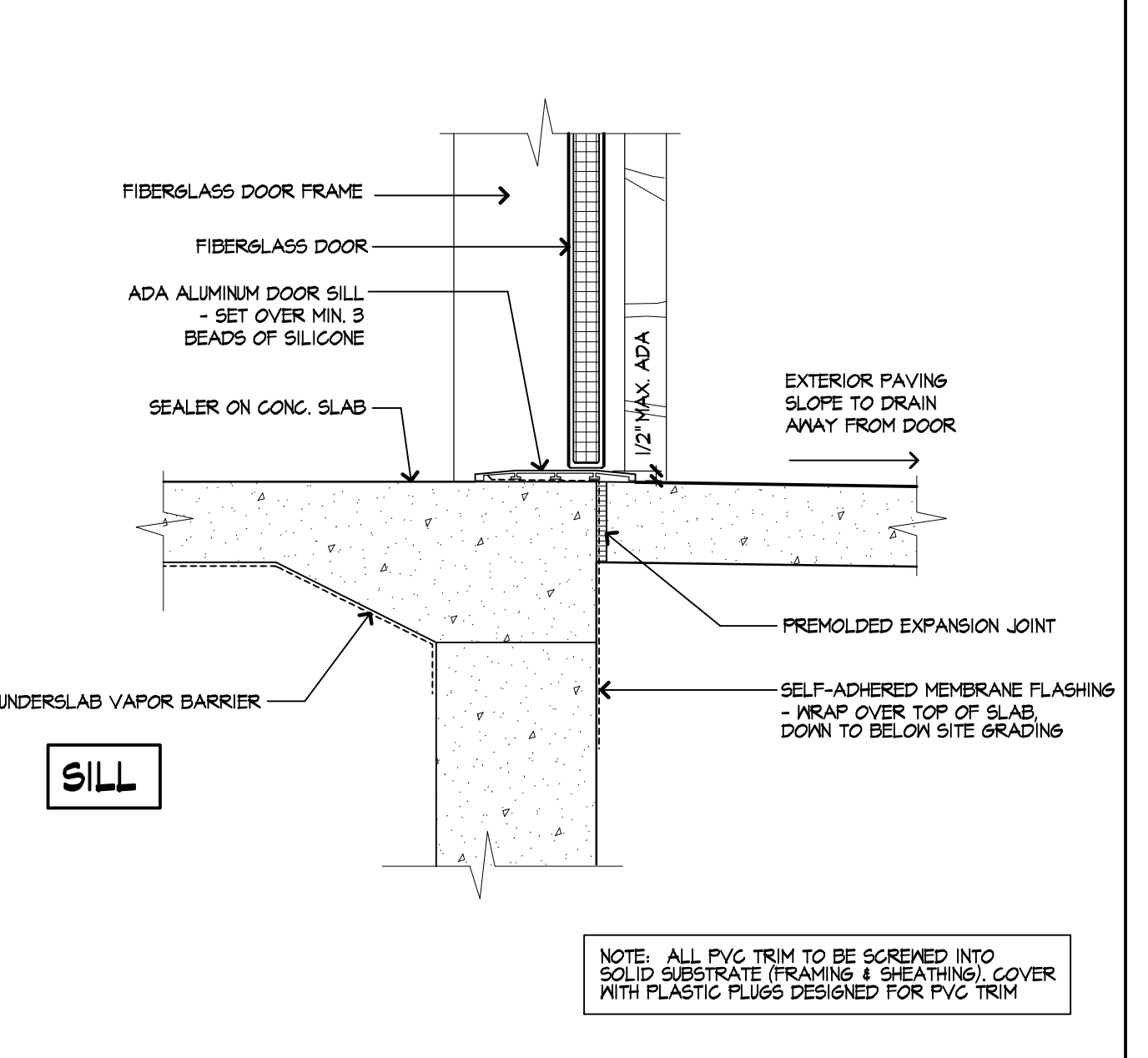
**3** Corner PVC Detail SCALE: 3" = 1'-0"



**1** Typical Exterior Door Details SCALE: 1/2" = 1'-0"



**1** Typical Exterior Door Details SCALE: 1/2" = 1'-0"



**1** Typical Exterior Door Details SCALE: 1/2" = 1'-0"

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Drawing Set Log

No.	Revision	Date	Appvd.

Designed by: MR, Drawn by: MR, Checked by: WD  
 CAD checked by: Approved by: WD  
 Scale: AS NOTED  
 Project Title and Location:  
**Jenness Bathhouse Replacement and Parking Lot Improvements**  
 2280 Ocean Boulevard  
 Rye, New Hampshire 03870

Issued for:  
**Construction Documents**  
 Issued: June 30, 2016

Project Number: NHBPW - 80877B, Stamp: REGISTERED ARCHITECT, VHB - 52348.05  
 VHB - 52348.05, SDA - 1535

Drawing Title:  
**Details**

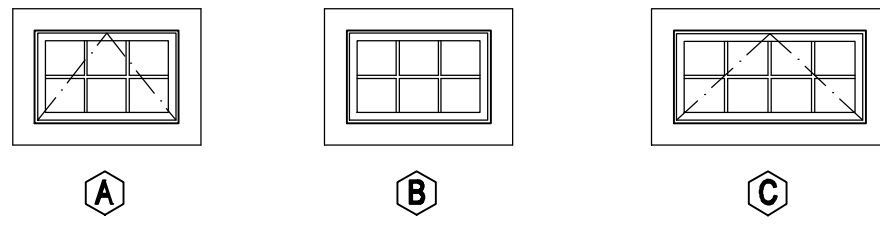
Drawing Number:  
**AG.1**

PROJECT NO.: 1935, FILE NAME: 1935 TITLE SHEET, PLOT DATE: 6/15/2016



WINDOW SCHEDULE					
MARK	ROUGH OPENING	TYPE	MANF.	MODEL NO.	REMARKS
(A)	3'-11" x 1'-11" 5/8"	ANNING	INTEGRITY	IANN 3123	FIBERGLASS UNIT, IMPACT ZONE B
(B)	3'-11" x 1'-11" 5/8"	FIXED ANNING	INTEGRITY	IANN 3123 (FIXED)	FIBERGLASS UNIT, IMPACT ZONE B
(C)	4'-4" x 1'-11" 5/8"	ANNING	INTEGRITY	IANN 4423	FIBERGLASS UNIT, IMPACT ZONE B

- NOTES:
- ALL WINDOWS ARE INTEGRITY WOOD-ULTRIX BY MARVIN WITH 110 MPH IMPACT SPECIFICATIONS.
  - INTERIOR WINDOW FINISH TO BE PRIMED WHITE, PROVIDED BY WINDOW MANUFACTURER.
  - ALL WINDOWS TO HAVE OBSCURE GLASS. OPERABLE UNITS TO HAVE SCREENS. (ALTERNATE: CLEAR INSULATING GLASS WITH OBSCURE FILM APPLIED TO INSIDE SURFACE)

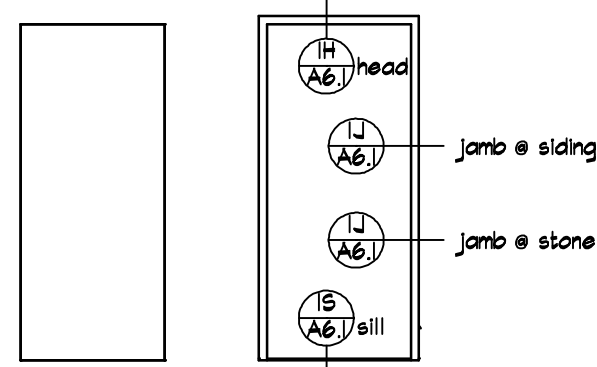


NOTE: SEE TYP. WINDOW DETAILS ON SHEET A6.1 FOR TYP. INSTALLATION DETAILS.

WINDOW TYPES

DOOR SCHEDULE					
MARK	DOOR SIZE (M x H x T)	TYPE	MATERIAL	HDWE	REMARKS
101	3'-0" x 7'-0" x 1 3/4"	FLUSH	FRP	2, 4, 5, 6, 7	WITH FRP FRAME
102	3'-0" x 7'-0" x 1 3/4"	FLUSH	FRP	3, 4, 5, 6, 7	WITH FRP FRAME
103	3'-6" x 7'-0" x 1 3/4"	FLUSH	FRP	1, 4, 5, 6, 7, 8	WITH FRP FRAME
104	3'-6" x 7'-0" x 1 3/4"	FLUSH	FRP	1, 4, 5, 6, 7, 8	WITH FRP FRAME
105	3'-0" x 7'-0" x 1 3/4"	FLUSH	FRP	3, 4, 5, 7	WITH FRP FRAME
106	2'-6" x 6'-0" x 1 3/4"	FLUSH	FRP	2, 4, 5	WITH PVC JAMB TRIM & STOPS - NO FRP FRAME
107	3'-0" x 6'-0" x 1 3/4"	FLUSH	FRP	2, 4, 5	WITH PVC JAMB TRIM & STOPS - NO FRP FRAME
108	2'-6" x 6'-0" x 1 3/4"	FLUSH	FRP	2, 4, 5	WITH PVC JAMB TRIM & STOPS - NO FRP FRAME
109	2'-6" x 6'-0" x 1 3/4"	FLUSH	FRP	2, 4, 5	WITH PVC JAMB TRIM & STOPS - NO FRP FRAME

- NOTES:
- ALL DOORS AND DOOR FRAMES TO BE COMMERCIAL GRADE FIBERGLASS REINFORCED PLASTIC.



TYPE A TYP. DR. FRAME

NOTE: SEE TYP. DOOR DETAILS ON SHEET A6.1 FOR TYPICAL INSTALLATION DETAILS (EXCEPT AT CHANGING ROOMS)

HARDWARE SCHEDULE		
REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION AND/OR CONSULT HARDWARE VENDOR		
HDWE. NO.	HARDWARE TYPE	DESCRIPTION / OPERATION
1.	PUSH/PULL SET	PUSH PLATE AND PULL BAR
2.	PRIVACY SET	OUTSIDE LEVER LOCKS WITH PUSH BUTTON INSIDE ONLY
3.	STORAGE SET	LOCKS/UNLOCKS DOOR FROM OUTSIDE WITH KEY, INSIDE LEVER ALWAYS UNLOCKED
4.	CLOSER	DOOR OR FRAME MOUNTED
5.	DEADBOLT	DEADBOLT WITH MIN. 1" THROW, KEYED FROM OUTSIDE
6.	WEATHER STRIPPING	DOOR BOTTOM SNEEP, RUBBER GASKETS IN JAMBS AND HEADS OF DOOR FRAMES
7.	KICKPLATE	6" HIGH X WIDTH OF DOOR MINUS 2 INCHES, BOTH SIDES
8.	DOOR KEEPER	HOLDS DOOR OPEN DURING OPERATING HOURS, WALL MOUNTED

- HARDWARE NOTES
- ALL LATCH SETS SHALL BE EQUIPPED WITH LEVERS.
  - THUMB ACTUATED LATCHES ARE NOT PERMITTED.
  - ROUND KNOBS ARE NOT PERMITTED.

RM. NO.	ROOM NAME	FLOOR	BASE	WALLS				TRIM	CEILING	REMARKS
				NORTH	EAST	SOUTH	WEST			
101	FAMILY TOILET ROOM	F-1	B-1	M-1, M-2	M-1, M-2	M-3, M-5	M-1, M-2	-	C-1	ALTERNATE: F-3 & B-3
102	MECHANICAL/STORAGE	F-1	B-2	M-3	M-1, M-5	M-5	M-1	-	C-2	
103	ENTRY	F-1	B-1	M-1, M-3, M-4	M-2, M-4	M-2, M-4	M-3, M-4	-	C-1	ALTERNATE: F-3 & B-3
104	MENS RESTROOM	F-1	B-1	M-3, M-4	M-2, M-4	M-2, M-4	M-3, M-4	-	C-1	ALTERNATE: F-3 & B-3
105	PLUMBING ACCESS ROOM	F-2	-	-	-	-	-	-	-	UNFINISHED SPACE
106	ENTRY	F-1	B-1	M-2, M-4	M-2, M-4	M-2, M-4	M-3, M-4	-	C-1	ALTERNATE: F-3 & B-3
107	WOMENS RESTROOM	F-1	B-1	M-2	M-2, M-4	M-2, M-4	M-2, M-4	-	C-1	ALTERNATE: F-3 & B-3

FINISH LEGEND			
FLOOR FINISHES:			
CODE	TYPE	DESCRIPTION	REMARKS
F-1	SEALER	CONCRETE FLOOR SEALER WITH STAIN	
F-2	GRAVEL	GRAVEL FLOOR, NO VAPOR BARRIER	
F-3	QUARRY TILE	6" x 6" QUARRY TILE	ALTERNATE TO F-1 IN ROOMS 101, 103, 104, 106 & 107 ONLY.
WALL BASES:			
CODE	TYPE	DESCRIPTION	REMARKS
B-1	CERAMIC TILE	6" HIGH CERAMIC TILE COVE BASE WITH SANDED EPOXY GROUT	
B-2	RUBBER BASE	4" HIGH RUBBER BASE	
B-3	QUARRY TILE	6" HIGH QUARRY TILE COVE BASE W/ BULLNOSE EDGE	ALTERNATE TO B-1 IN ROOMS 101, 103, 104, 106 & 107 ONLY.
WALL FINISHES:			
CODE	TYPE	DESCRIPTION	REMARKS
M-1	GWB	5/8" M.R. FIBERGLASS REINFORCED DRYMALL, PAINTED	
M-2	GWB/FRP MAINSCOT	5/8" M.R. FIBERGLASS REINFORCED DRYMALL WITH FRP MAINSCOT & VINYL EDGE	
M-3	GWB/FRP MAINSCOT	5/8" TYPE 'X' M.R. FIBERGLASS REINFORCED DRYMALL WITH FRP MAINSCOT & VINYL EDGE	
M-4	T&G WOOD PANELING	HORIZONTAL 1/2" T&G WOOD PANELING ABOVE 5/4x4 WOOD BAND	
M-5	TYPE 'X' GWB	5/8" TYPE 'X' M.R. FIBERGLASS REINFORCED DRYMALL, PAINTED	
CEILING FINISHES:			
CODE	TYPE	DESCRIPTION	REMARKS
C-1	GWB	5/8" M.R. FIBERGLASS REINFORCED DRYMALL W/ 1x4 WOOD BATTENS, PAINTED	
C-2	TYPE 'X' GWB	5/8" TYPE 'X' M.R. FIBERGLASS REINFORCED DRYMALL, PAINTED	

FINISH NOTES	
NO.	NOTES
1.	ALL DIMENSIONS SHALL BE FIELD VERIFIED.
2.	ALL FINISHES ARE TO BE INSTALLED IN ACCORDANCE WITH ALL MANUFACTURER'S SPECIFICATIONS AND DIRECTIONS.
3.	ALL CONTRACTORS/VENDORS ARE RESPONSIBLE FOR OBTAINING AND FOLLOWING ALL MANUFACTURER'S SPECIFICATIONS AND DIRECTIONS.
4.	ALL FLOOR PREP WORK IS TO MEET FLOORING MANUFACTURER'S SPEC. FOR THEIR PRODUCT. ALL FLOOR PREP WORK BY G.C.
5.	FLOOR FINISH INSTALLER SHALL VERIFY FLOOR STRUCTURE FOR ABILITY TO ACCEPT FLOOR FINISH. INSTALLER SHALL BE RESPONSIBLE TO NOTIFY THE C.M. OF APPROVAL OR REJECTION OF THE FLOOR'S ABILITY TO RECEIVE TILE, PRIOR TO ANY FLOORING INSTALLATION.
6.	ALL FLOOR AND WALL FINISHES ARE TO BE PROVIDED AS SPECIFIED. NO SUBSTITUTIONS. IF PRODUCT IS UNAVAILABLE C.M. SHALL INFORM ARCHITECT.
7.	PROVIDE MFR'S. PROTECTIVE VINYL EDGE FOR BOTTOM EDGE OF ALL FRP MAINSCOT.

### Window Flashing Sequence

1. Apply housewrap and cut as shown (do not X-cut)
2. Sill flashing should wrap up the sides of the window at least 6". Caulk is optional, and should never be applied beneath bottom window flange.
3. Install window and apply jamb flashing
4. Apply head flashing
5. Fold housewrap down and tape over cuts

**Figure 2.** It's not enough to caulk window flashings when installing a window. Instead, housewrap and flexible flashing tape should be interwoven with the flange, as shown in this installation sequence.

ILLUSTRATION COURTESY ANA - THE ENGINEERED WOOD ASSOCIATION

Owner

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Department of Resources and Economic Development

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Drawing Set Log

No.	Revision	Date	Appvd.

Designed by \_\_\_\_\_ Drawn by MR \_\_\_\_\_ Checked by WD  
 CAD checked by \_\_\_\_\_ Approved by WD

Scale AS NOTED

Project Title and Location

**Jenness Bathhouse Replacement and Parking Lot Improvements**  
2280 Ocean Boulevard  
Rye, New Hampshire 03870

Issued for

**Construction Documents**  
Issued: June 30, 2016

Project Number NHBPW - 80877B VHB - 52348.05 SDA - 1535	Stamp 
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Drawing Title

Schedules

Drawing Number

**A7.1**





Drawing Set Log

No.	Revision	Date	Appvd.

Designed by	Drawn by	MR	Checked by	WD
CAD checked by	Approved by	WD		
Scale AS NOTED				

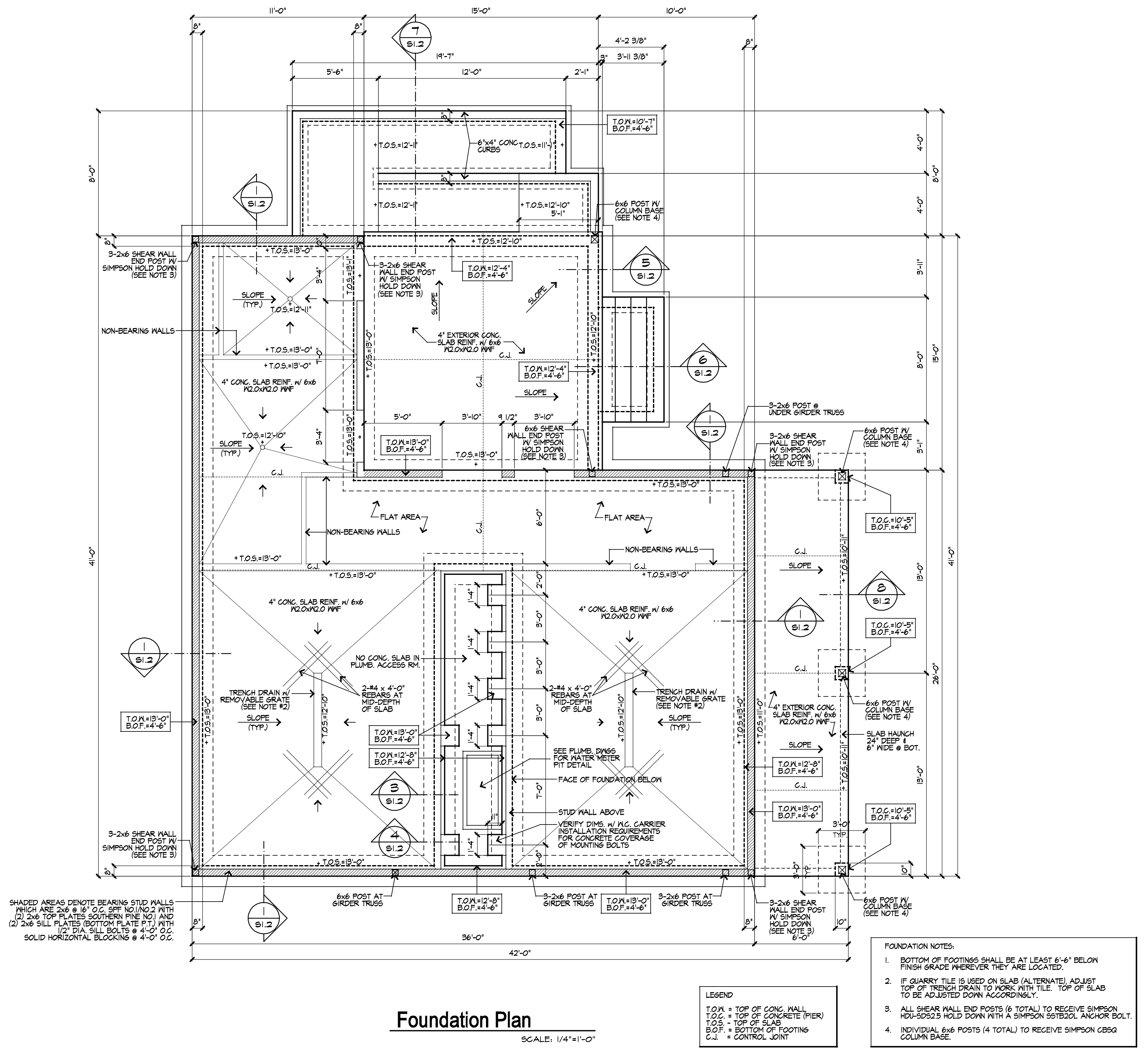
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Drawing Title  
**Foundation Plan**

Drawing Number  
**S1.1**







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Drawing Set Log

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 CAD checked by \_\_\_\_\_ Approved by WD  
 Scale AS NOTED

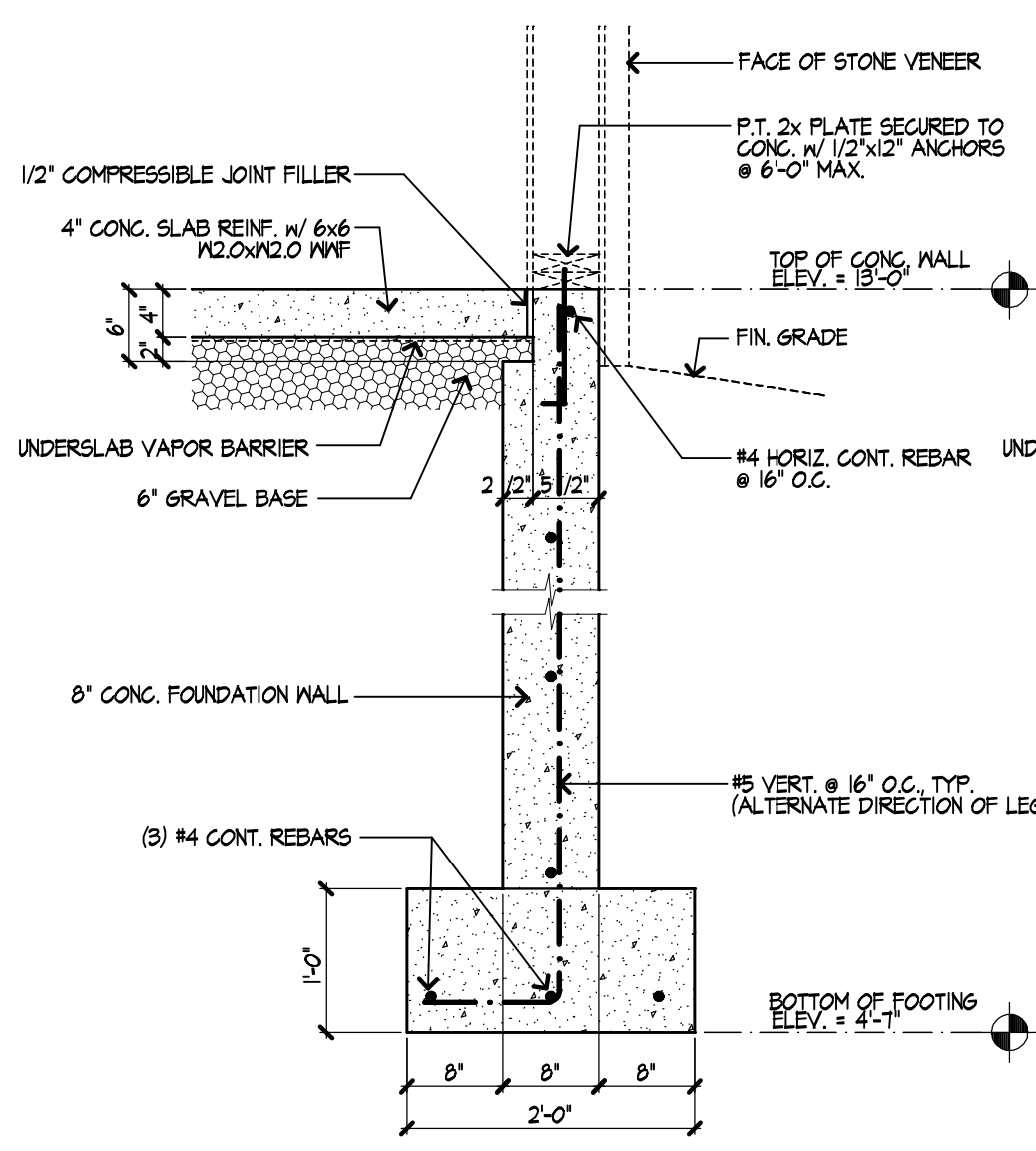
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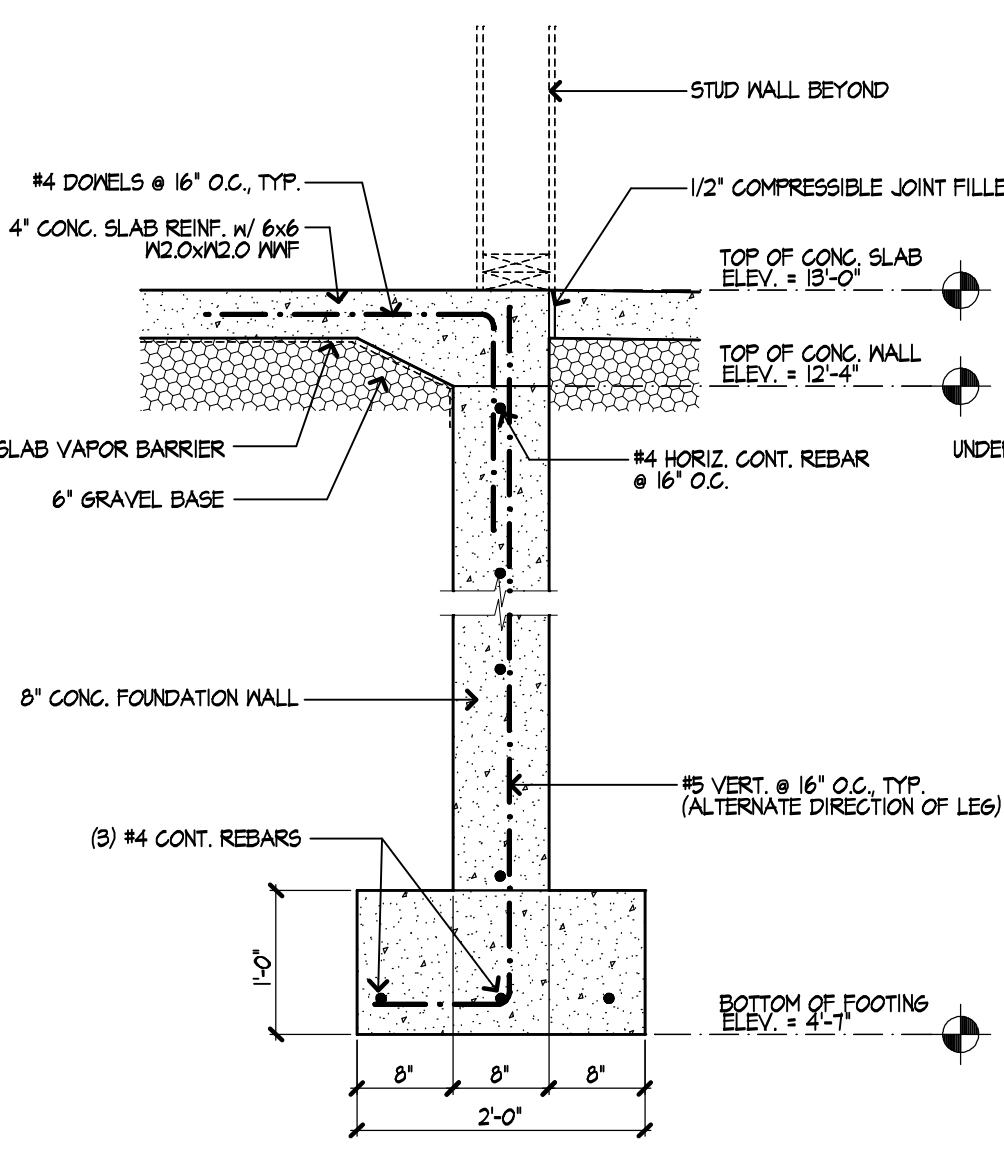
Project Number NHPW - 80877B VHB - 52348.05 SDA - 1535	Stamp
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Drawing Title  
**Foundation Details & Notes**

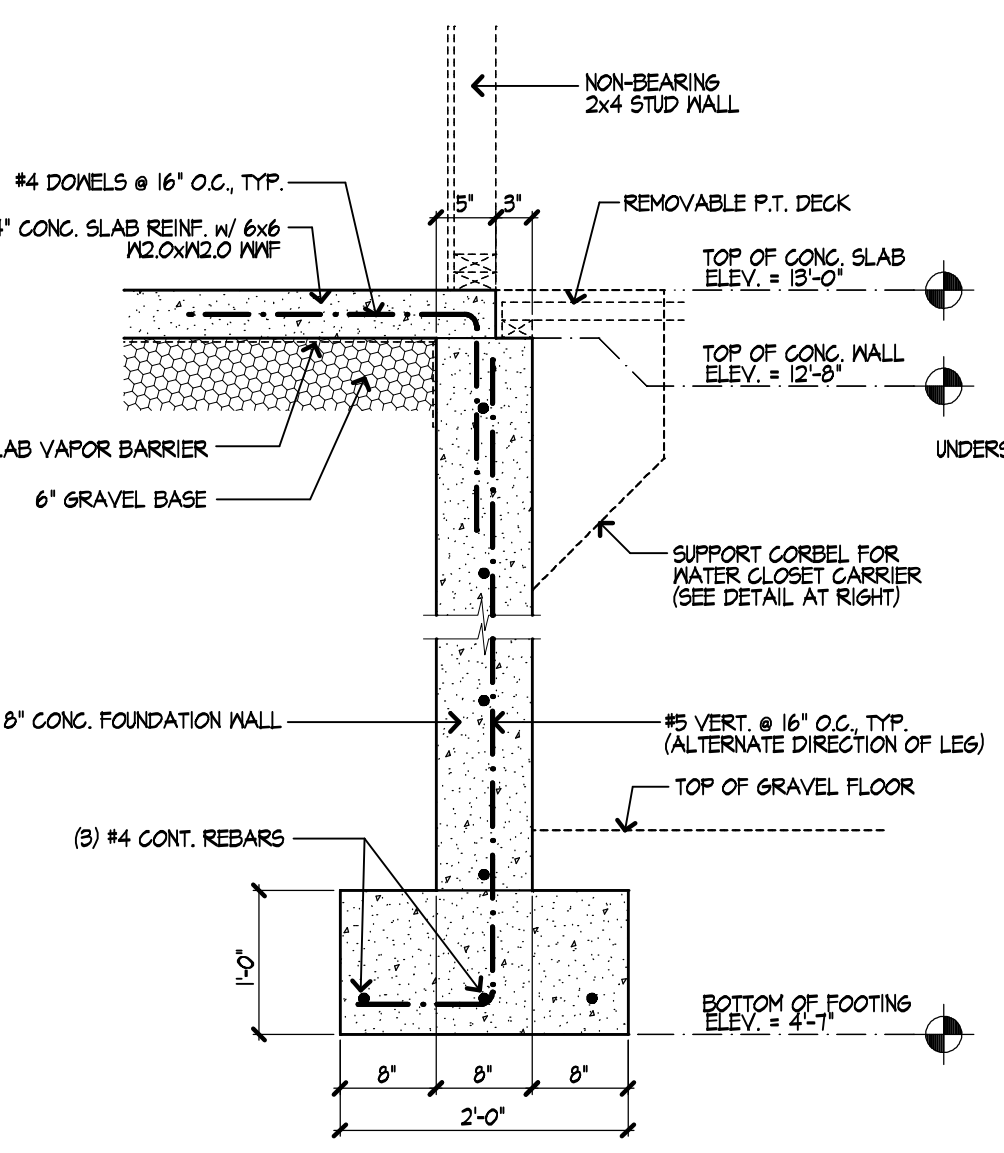
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**S1.2**



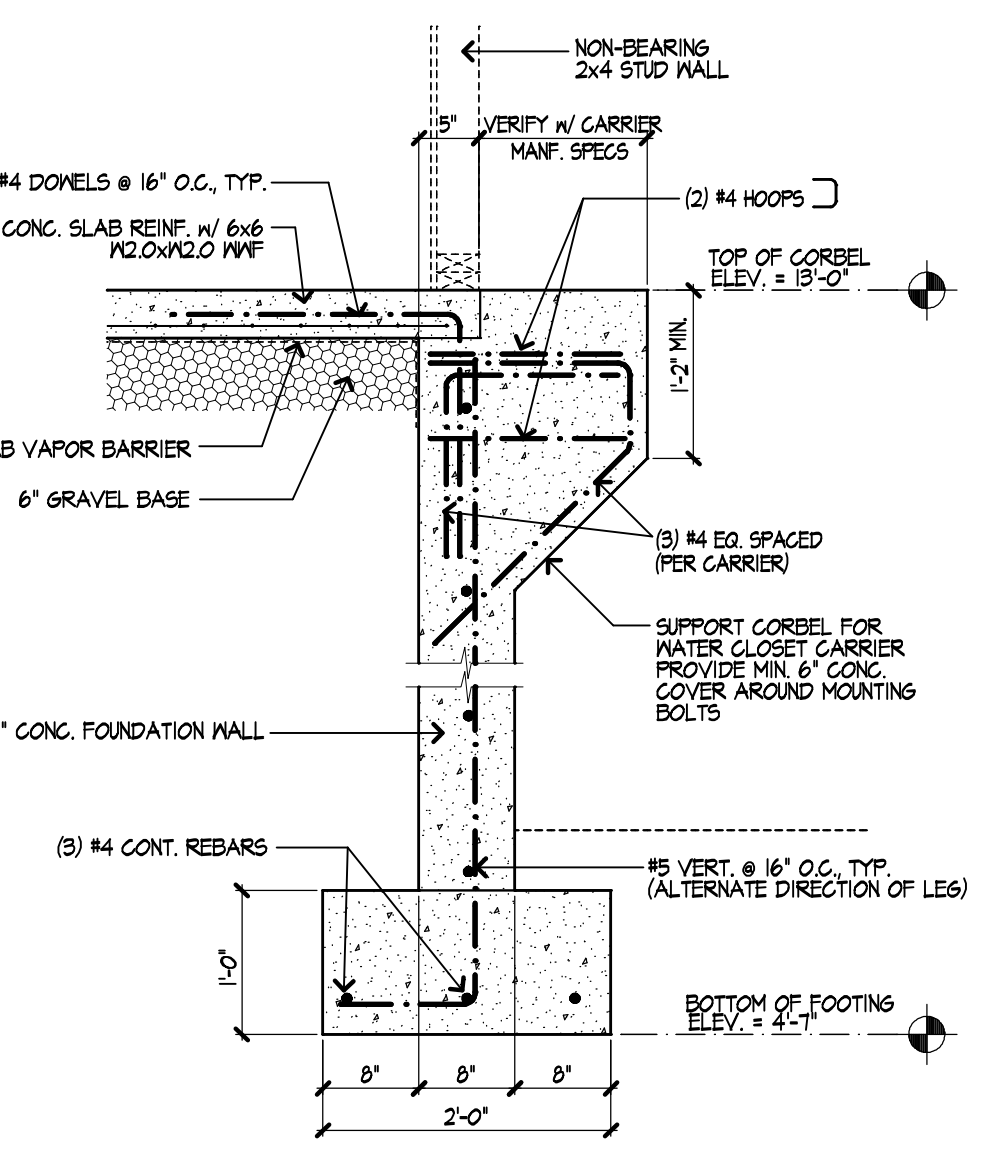
1 **Typical Foundation Wall Detail**  
 SCALE: 3/4" = 1'-0"



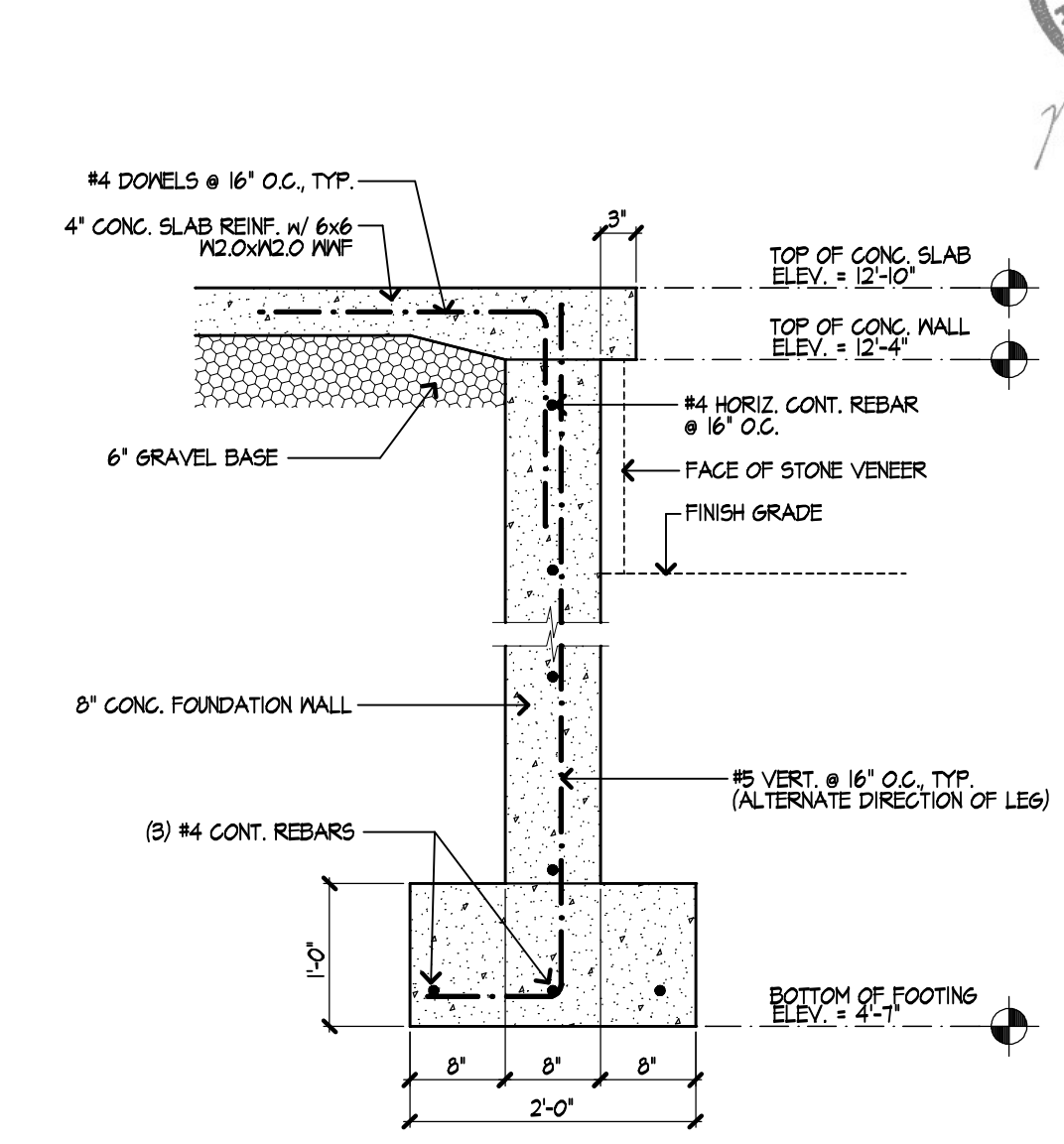
2 **Foundation Wall Detail at Door**  
 SCALE: 3/4" = 1'-0"



3 **Foundation Wall Detail at Plumbing**  
 SCALE: 3/4" = 1'-0"

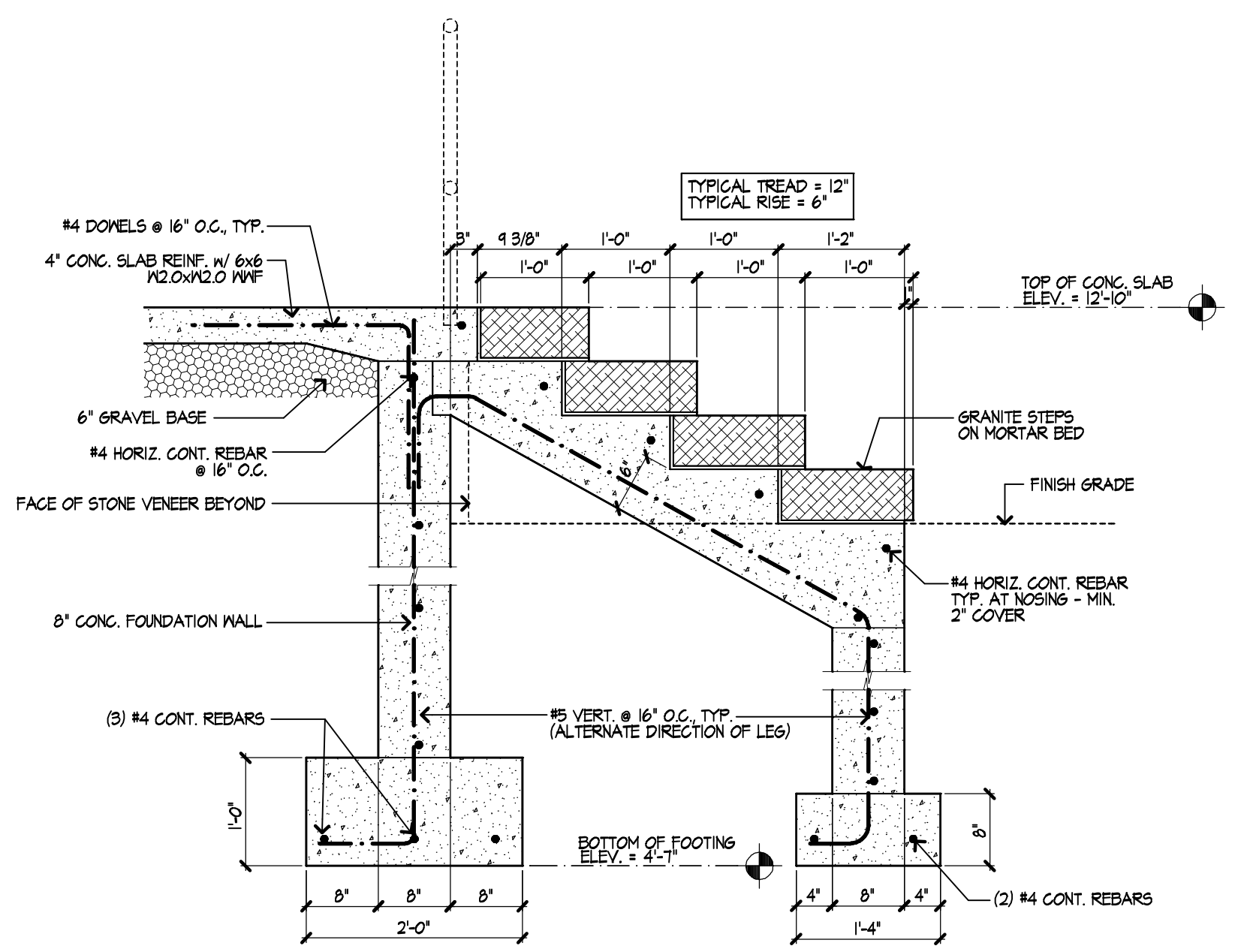


4 **Foundation Wall Detail at Plumbing**  
 SCALE: 3/4" = 1'-0"

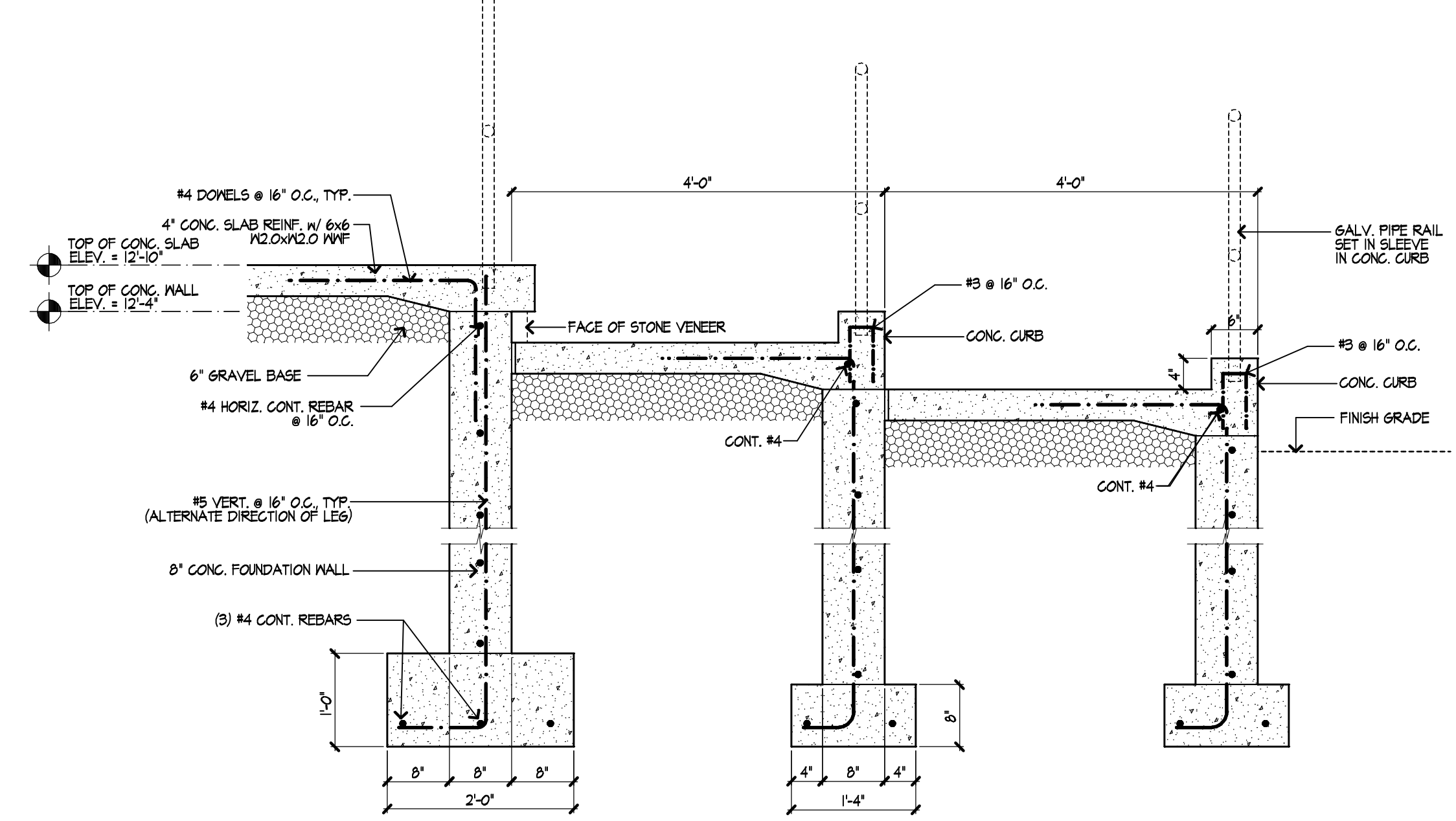


5 **Foundation Wall Detail at Patio Edge**  
 SCALE: 3/4" = 1'-0"

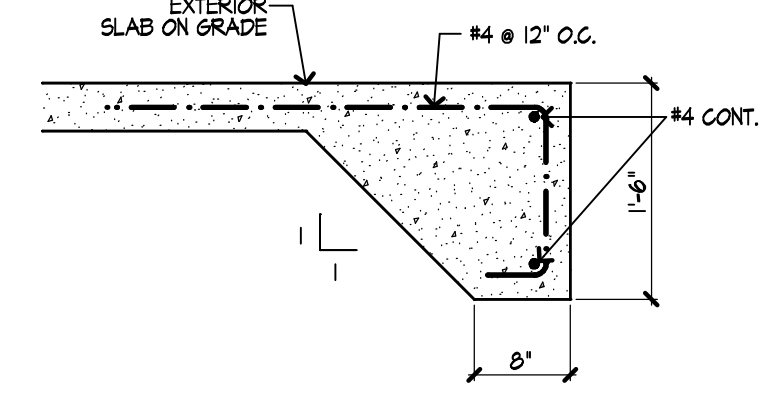
NOTE: ALL REINFORCING STEEL & MESH SHALL BE EPOXY COATED.



6 **Foundation Wall Detail at Steps**  
 SCALE: 3/4" = 1'-0"



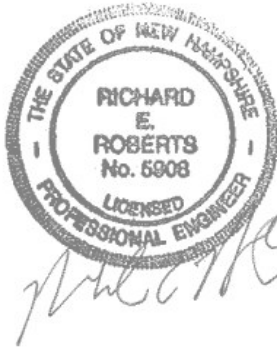
7 **Foundation Wall Detail at Ramp**  
 SCALE: 3/4" = 1'-0"



8 **Slab Edge Detail**  
 SCALE: 3/4" = 1'-0"

PLAN DATE: 6/15/2016  
 FILE NAME: 1000 HILL STREET  
 PROJECT: NH/1000





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 Scale AS NOTED

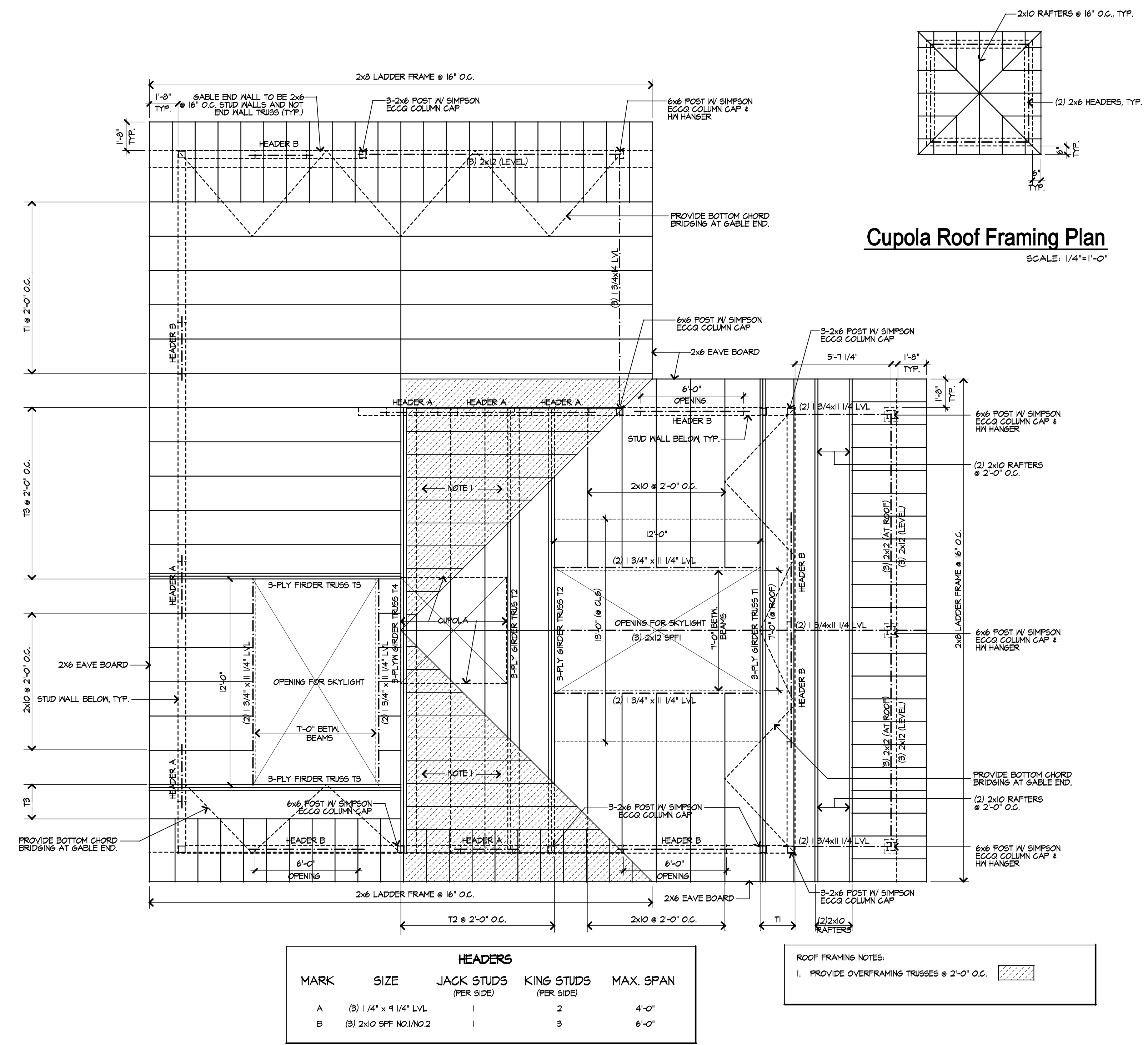
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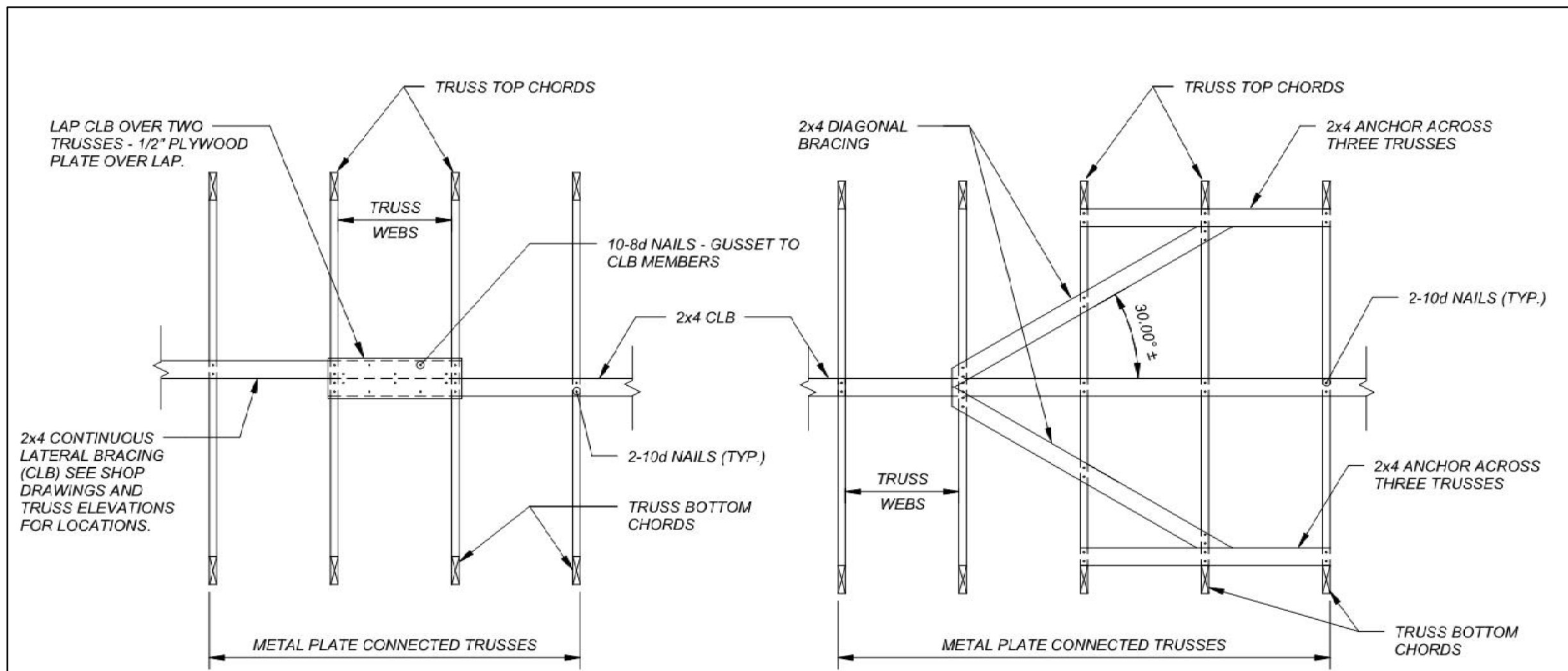
Project Number NHBPW - 80877B	Stamp
VHB - 52348.05	
SDA - 1535	

Drawing Title  
**Roof Framing Plan**

Drawing Number  
**S2.1**







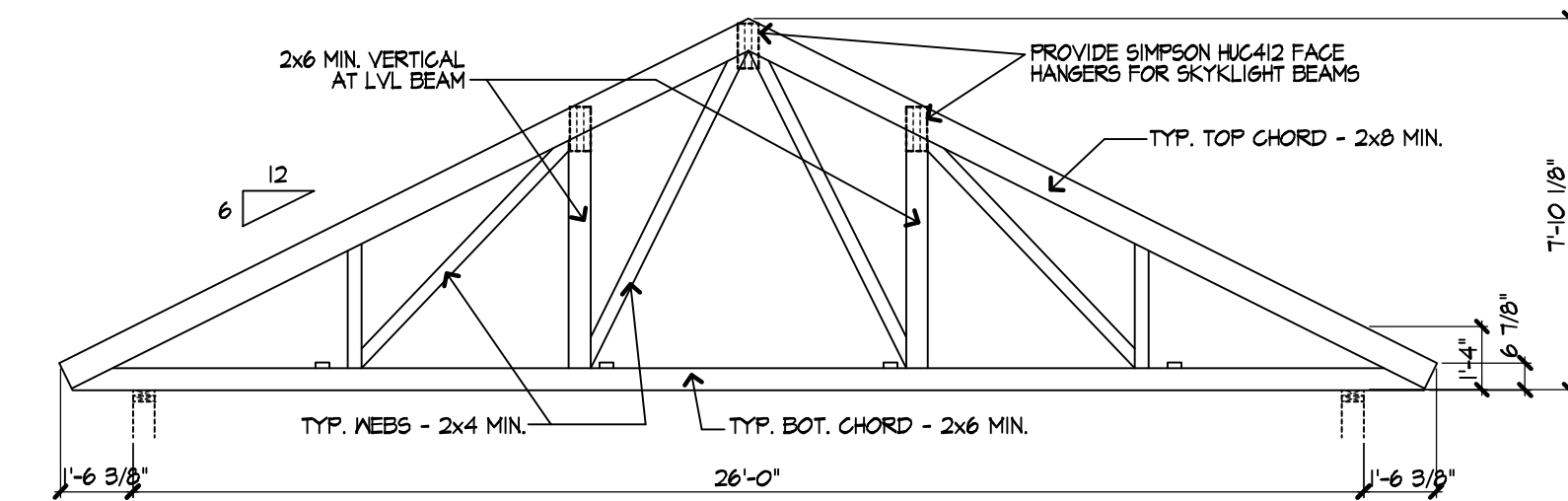
**SPLICE DETAIL**

**DIAGONAL BRACING**

**NOTES:**

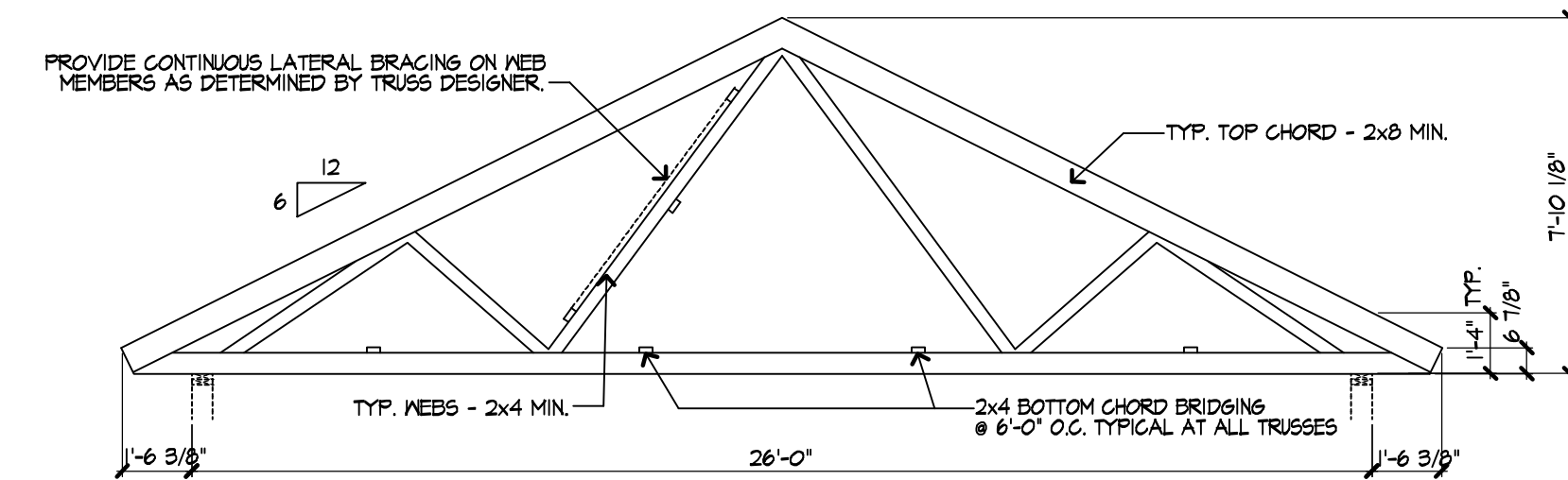
1. PROVIDE 1/2" PLYWOOD PLATE OVER LAP SPLICES IN CONTINUOUS LATERAL BRACING (CLB) LINES AS SHOWN
2. PROVIDE DIAGONAL BRACES AND ANCHORS AS SHOWN AT 20'-0" MAXIMUM SPACING ALONG CLB LINES AND AT ENDS OF BUILDING OR TRUSS GROUPS.
3. TRUSS WEB MEMBERS TO RECEIVE CONTINUOUS LATERAL BRACING SHALL BE DESIGNATED ON THE SHOP DRAWINGS BY THE TRUSS DESIGN ENGINEER AND TAGGED ON THE WEB MEMBERS BY THE TRUSS MANUFACTURER.

**1 CONTINUOUS LATERAL BRACING DETAIL**  
1/2" = 1'-0"



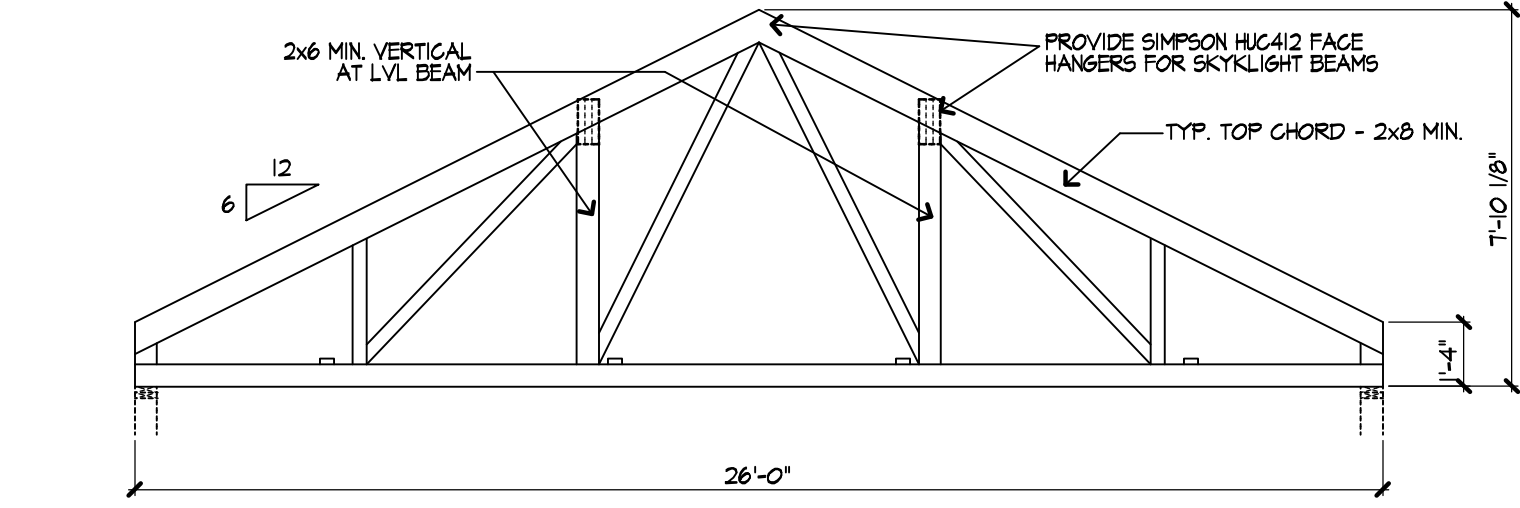
**T1 3-Ply Girder Truss**

SCALE: 1/4" = 1'-0" NOTE: ACTUAL CONFIGURATION TO BE DESIGNED BY TRUSS MANF.



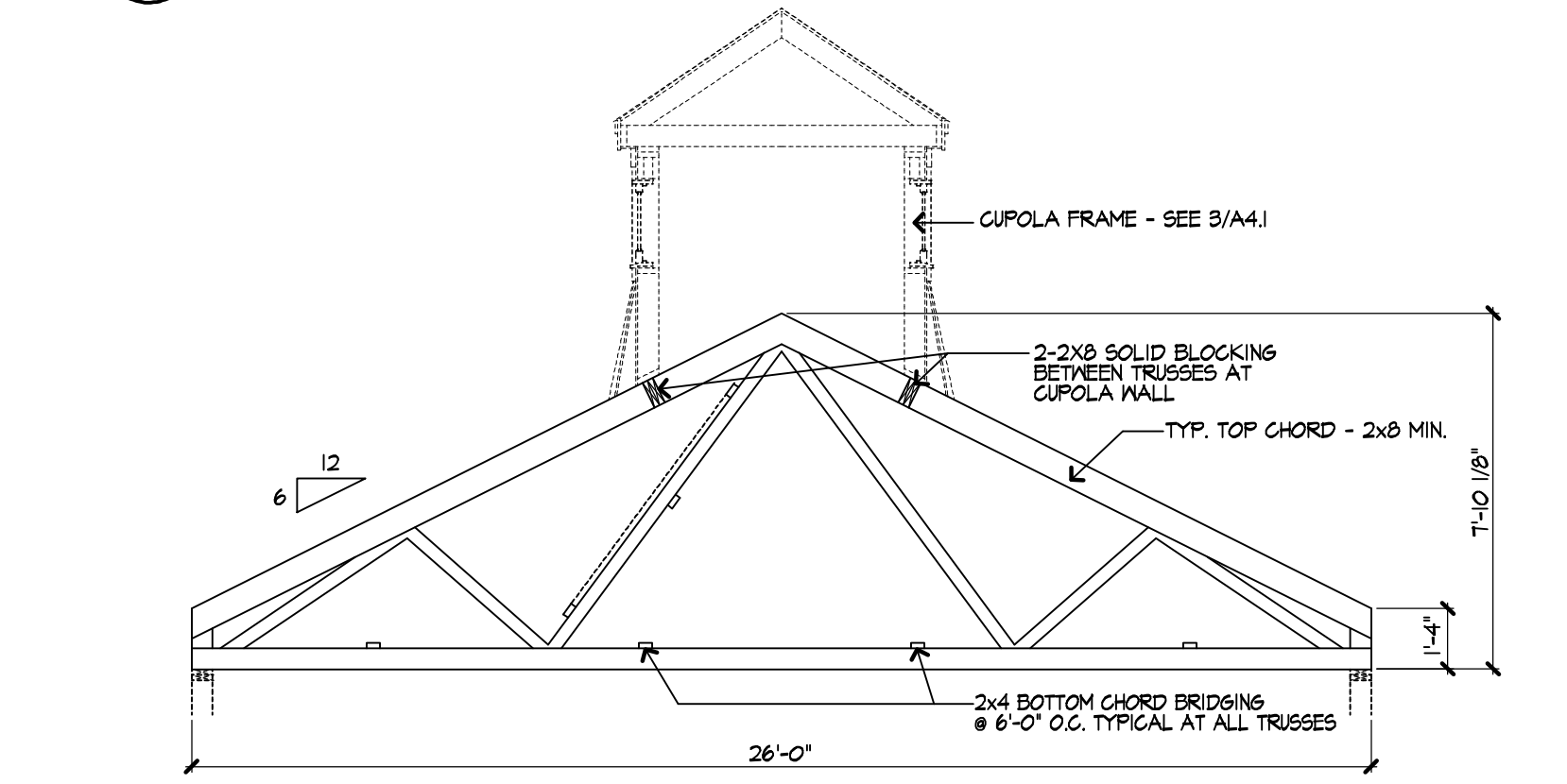
**T1 Typical Truss**

SCALE: 1/4" = 1'-0" NOTE: ACTUAL CONFIGURATION TO BE DESIGNED BY TRUSS MANF.



**T2 3-Ply Girder Truss**

SCALE: 1/4" = 1'-0" NOTE: ACTUAL CONFIGURATION TO BE DESIGNED BY TRUSS MANF.



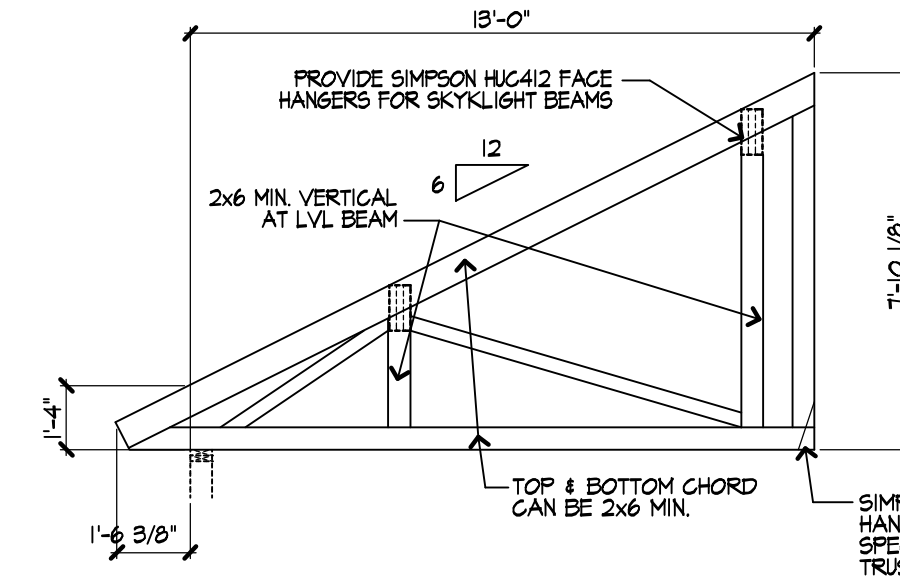
**T2 Typical Truss with No Eaves**

SCALE: 1/4" = 1'-0" NOTE: ACTUAL CONFIGURATION TO BE DESIGNED BY TRUSS MANF.

**METAL PLATE CONNECTED WOOD TRUSSES (SECTION 061753)**

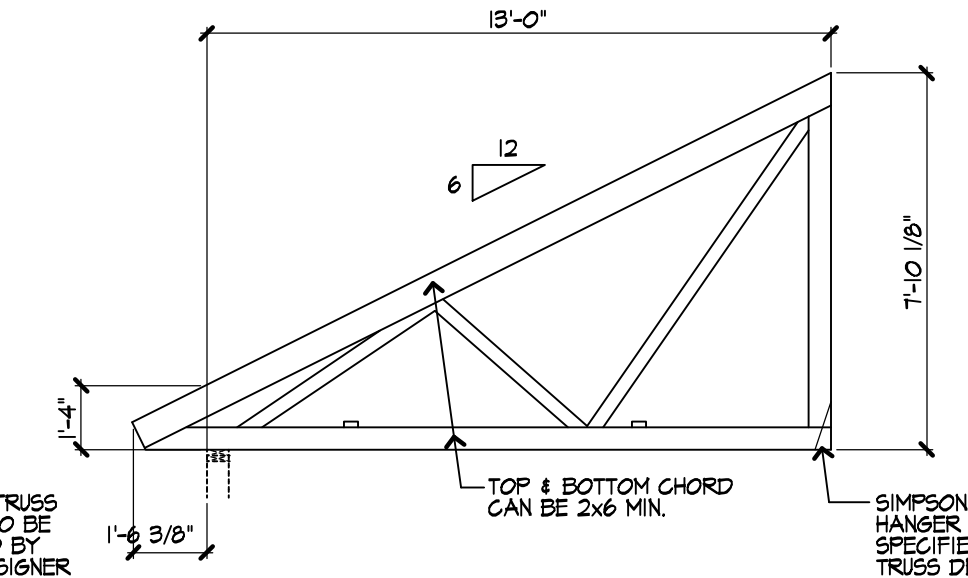
**METAL PLATE CONNECTED TRUSS NOTES:**

1. ALL ROOF TRUSSES SHALL CONFORM TO THE LATEST EDITION OF THE TRUSS PLATE INSTITUTE'S "DESIGN SPECIFICATIONS FOR LIGHT METAL PLATE CONNECTED WOOD TRUSSES" AND SHALL BE DESIGNED FOR THE LOADINGS INDICATED ON THE DRAWINGS OR IN THESE NOTES. TOTAL AND LIVE LOAD DEFLECTIONS SHALL BE LIMITED AS FOLLOWS (UNLESS OTHERWISE INDICATED ON THE DRAWINGS):  
LIVE LOAD DEFLECTION: <math>< L/480</math>  
TOTAL LOAD DEFLECTION: <math>< L/360</math>
2. FINAL DESIGN OF TRUSSES SHALL BE PROVIDED BY THE DESIGNER/FABRICATOR. SUBMIT COMPLETE SHOP DRAWINGS, CALCULATIONS AND ERECTION PLANS FOR ROOF TRUSSES FOR REVIEW BY THE ARCHITECT. CALCULATIONS SHALL BE PREPARED BY AND BEAR THE STAMP OF A PROFESSIONAL STRUCTURAL ENGINEER, REGISTERED IN THE STATE OF MASSACHUSETTS.
3. ROOF DESIGN LOADS: BASE GROUND SNOW LOAD  $P_g = 50$  PSF APPLIED PER IBC 2009 CODE. MINIMUM TRUSS BASIC DESIGN LOADS: T/C/L/T/C/DL/B/C/L/B/C/DL = 39/15/20/10 POUNDS PER SQUARE FOOT (UNLESS NOTED OTHERWISE IN TRUSS ELEVATIONS). GENERATE ADDITIONAL LOAD COMBINATIONS AND DESIGN TRUSSES FOR UNBALANCED LOADING (DRIFTING ON ONE SIDE) PER IBC 2009/ASCE 7-05. INCLUDE DETAILED LOAD COMBINATIONS FOR ALL TRUSS CALCULATIONS.
4. WIND DESIGN LOADS ARE AS NOTED IN THE GENERAL NOTES ON 50.1.
5. ALL ROOF TRUSSES MUST BE SECURELY BRACED BOTH DURING ERECTION AND AS REQUIRED AFTER PERMANENT INSTALLATION. INSTALL ALL REQUIRED OR RECOMMENDED TRUSS BRACING SHOWN ON THE STRUCTURAL CONTRACT DRAWINGS, THE TRUSS SHOP DRAWINGS, TPI/WTCA PUBLICATION BCSI 2006 OR AS DIRECTED IN THE FIELD BY THE ARCHITECT/ENGINEER.
6. MINIMUM CHORD SIZES SHALL BE AS SHOWN ON THE TRUSS ELEVATIONS ON THIS DRAWING. MINIMUM WEB MEMBER SIZES SHALL BE 2x4.
7. TRUSS CHORDS AND TRUSS WEB MEMBERS SHALL BE SOUTHERN PINE NO. 2 OR BETTER. ALL LUMBER SHALL BE 19% MAXIMUM MOISTURE CONTENT.
8. TRUSS WEB CONFIGURATIONS SHOWN ON THE TRUSS ELEVATIONS ARE SCHEMATIC. FINAL WEB CONFIGURATIONS SHALL BE DETERMINED BY THE TRUSS DESIGNER/FABRICATOR.
9. PROVIDE SIMPSON "H" SERIES HOLDDOWN CONNECTORS (OR EQUAL) AT ALL TRUSS BEARINGS (INTERIOR AND EXTERIOR BEARING POINTS). TRUSS DESIGNER SHALL SELECT AND SPECIFY ON THE TRUSS ERECTION DRAWINGS A HOLDDOWN THAT EXCEEDS THE UPLIFT FORCE PROVIDED IN THE TRUSS SHOP DRAWINGS.
10. TRUSSES SHALL BE SPACED AT 2'-0" ON CENTER.
11. FIELD MODIFICATION OF TRUSSES TO FACILITATE THE INSTALLATION OF MECHANICAL UNITS OR PIPING IS NOT PERMITTED.
12. CONTINUOUS LATERAL BRACING REQUIREMENTS:  
TOP CHORD: SEE BOTH STRUCTURAL DRAWINGS AND SHOP DRAWINGS FOR UNSHEATHED PORTIONS OF TOP CHORD. USE THE MORE STRINGENT REQUIREMENT.  
BOTTOM CHORD: PROVIDE CONTINUOUS LATERAL BRACING OF THE BOTTOM CHORDS OF ALL TRUSSES WITH 2x4 (MIN.) AT 6'-0" O.C. MAX. SPACING. IF GYPSUM SHEATHING IS APPLIED DIRECTLY TO THE BOTTOM CHORD, BOTTOM CHORD CONTINUOUS LATERAL BRACING MAY BE OMITTED.  
WEB MEMBERS: SEE THE SHOP DRAWINGS TO IDENTIFY WEB MEMBERS THAT REQUIRE BRACING.
13. DESIGN ALL WEB MEMBERS WITH A LENGTH LESS THAN 8'-0" (FROM WORKING POINT TO WORKING POINT) SO THAT THE WEB MEMBER DOES NOT REQUIRE LATERAL RESTRAINT OR BRACING.
14. WEB TRUSS-TO-TRUSS CONTINUOUS LATERAL BRACING (CLB) SHALL BE DETERMINED BY THE TRUSS DESIGNER. SEE TRUSS SHOPS TO DETERMINE FINAL WEB LAYOUT (SEE NOTE #8) AND PROVIDE CLB AS REQUIRED AND SHOWN ON THE TRUSS SHOPS.
15. CONTINUOUS LATERAL BRACING LINES (CLB) SHALL BE RESTRAINED WITH DIAGONAL, ARROWHEAD OR 'X' BRACING AT EACH END OF CLB LINE AND AT 20'-0" O.C. MAX, PER BCSI 2006 AND THE TYPICAL DETAILS ON THE CONTRACT DRAWINGS. SEE TYPICAL DETAIL ON THIS DRAWING. ALL WEB MEMBERS REQUIRING CLB AS SHOWN ON THE TRUSS SHOPS SHALL RECEIVE ARROWHEAD OR 'X' BRACING.



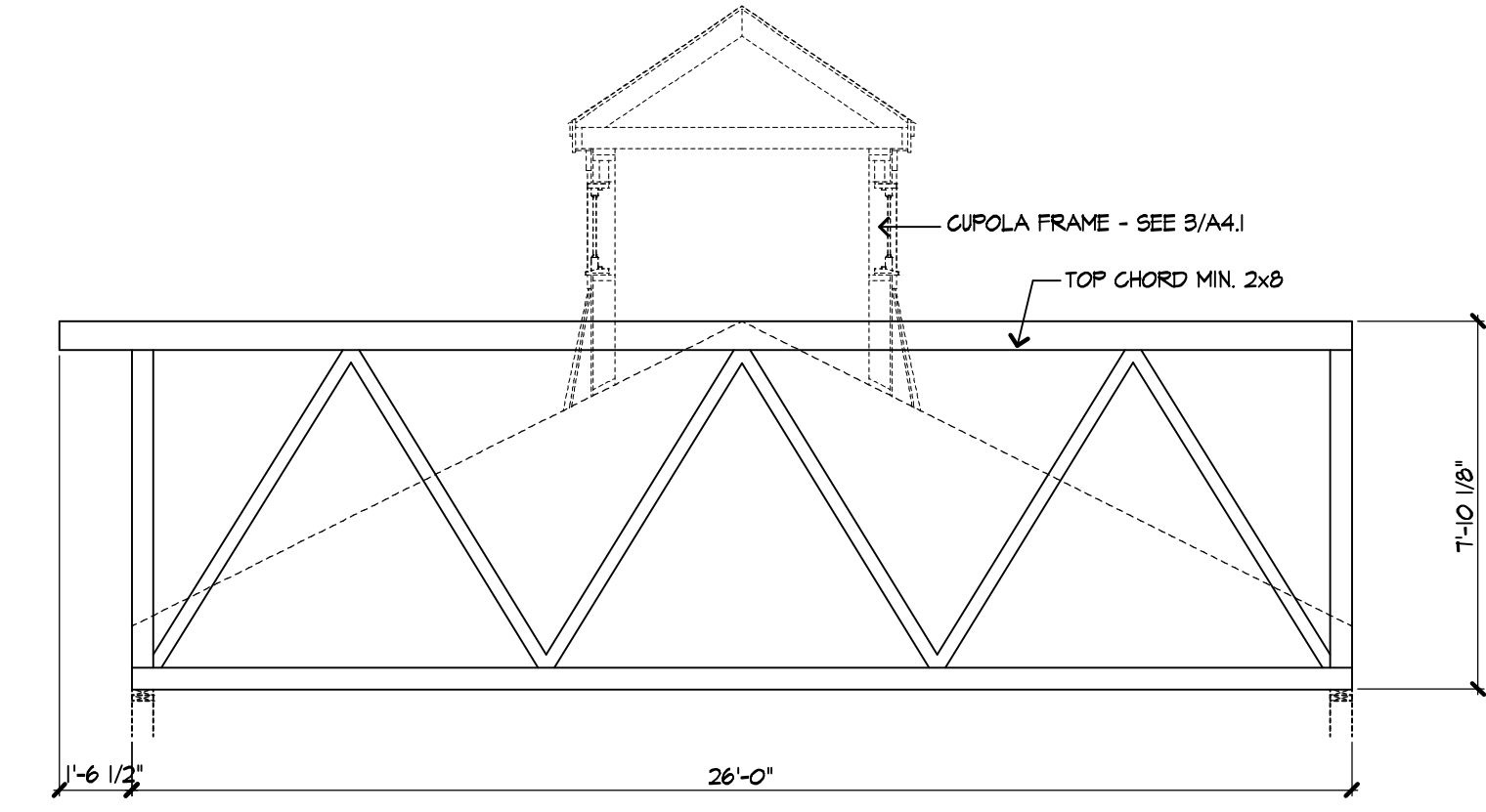
**T3 3-Ply Girder Truss**

SCALE: 1/4" = 1'-0" NOTE: ACTUAL CONFIGURATION TO BE DESIGNED BY TRUSS MANF.



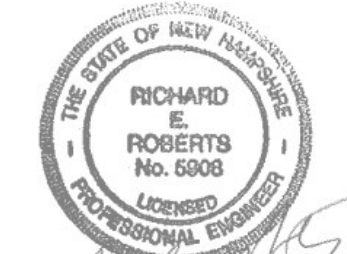
**T3 Headed Off Truss**


SCALE: 1/4" = 1'-0" NOTE: ACTUAL CONFIGURATION TO BE DESIGNED BY TRUSS MANF.



**T4 3-Ply Girder Truss**

SCALE: 1/4" = 1'-0" NOTE: ACTUAL CONFIGURATION TO BE DESIGNED BY TRUSS MANF.



Owner  
  
**Division of Parks and Recreation**  
**New Hampshire**  
**Department of Resources and Economic Development**

Administrator  
**Division of Public Works,**  
**Design and Construction**  
**New Hampshire**  
**Department of Administrative Services**

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 603-882-9999 / 603-882-3565

Drawing Set Log

No.	Revision	Date	Appvd.

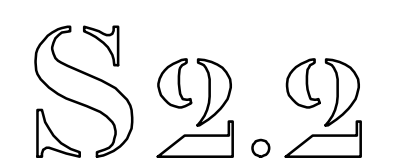
Designed by	Drawn by MR	Checked by WD
CAD checked by	Approved by WD	
Scale	AS NOTED	

Project Title and Location  
**Jenness Bathhouse Replacement and Parking Lot Improvements**  
 2280 Ocean Boulevard  
 Rye, New Hampshire 03870

Issued for  
**Construction Documents**  
 Issued: June 30, 2016

Project Number NHBPW - 80877B	Stamp
VHB - 52348.05	
SDA - 1535	

Drawing Title  
**Truss Diagrams & Framing Notes**

Drawing Number  




**ELECTRICAL SYMBOLS**

**ABBREVIATIONS**

- AC ABOVE COUNTER
- AFF ABOVE FINISHED FLOOR.
- CB CIRCUIT BREAKER.
- GFI GROUND FAULT CIRCUIT INTERRUPTER.
- GND GROUND.
- HP HORSEPOWER.
- NEC NATIONAL ELECTRICAL CODE.
- NEMA NATIONAL ELECTRICAL MANUFACTURERS ASSOC.
- NIC NOT IN CONTRACT.
- PH PHOTOELECTRIC SWITCH
- T.C TIME CLOCK
- UG UNDERGROUND.
- UON UNLESS OTHERWISE NOTED.
- WP WEATHER PROOF.

**WIRING**

- WIRING CONCEALED IN CEILING OR WALLS; SLASH MARKS INDICATE NUMBER OF CONDUCTORS EXCLUDING GROUNDS; CONDUCTOR SIZE AS MARKED; #12 AWG UON.
- UNDERGROUND CABLE OR DUCT; TYPE, SIZE, CONDUCTORS, AND ARRANGEMENT BY NOTATION OR SCHEDULE.
- WIRING RUN EXPOSED.

**SWITCHES**

- S\* SWITCH OUTLET; MOUNTED 48" AFF UON; SINGLE POLE UON; LOWER CASE LETTER, WHEN PRESENT, INDICATES OUTLETS CONTROLLED.
- \* ABBREVIATIONS FOR SWITCH OUTLETS
- 3 3-WAY SWITCH
- 4 4-WAY SWITCH
- K KEY OPERATED SWITCH
- B BURNER SWITCH
- FT FAN/LIGHT DELAY TIMER SWITCH  
- FANTECH MODEL FLD60, OR EQUAL.
- D DIMMER SWITCH; MOUNTED 48" AFF UON; LOWER CASE LETTER, WHEN PRESENT, INDICATES OUTLETS CONTROLLED.

**LIGHTING**

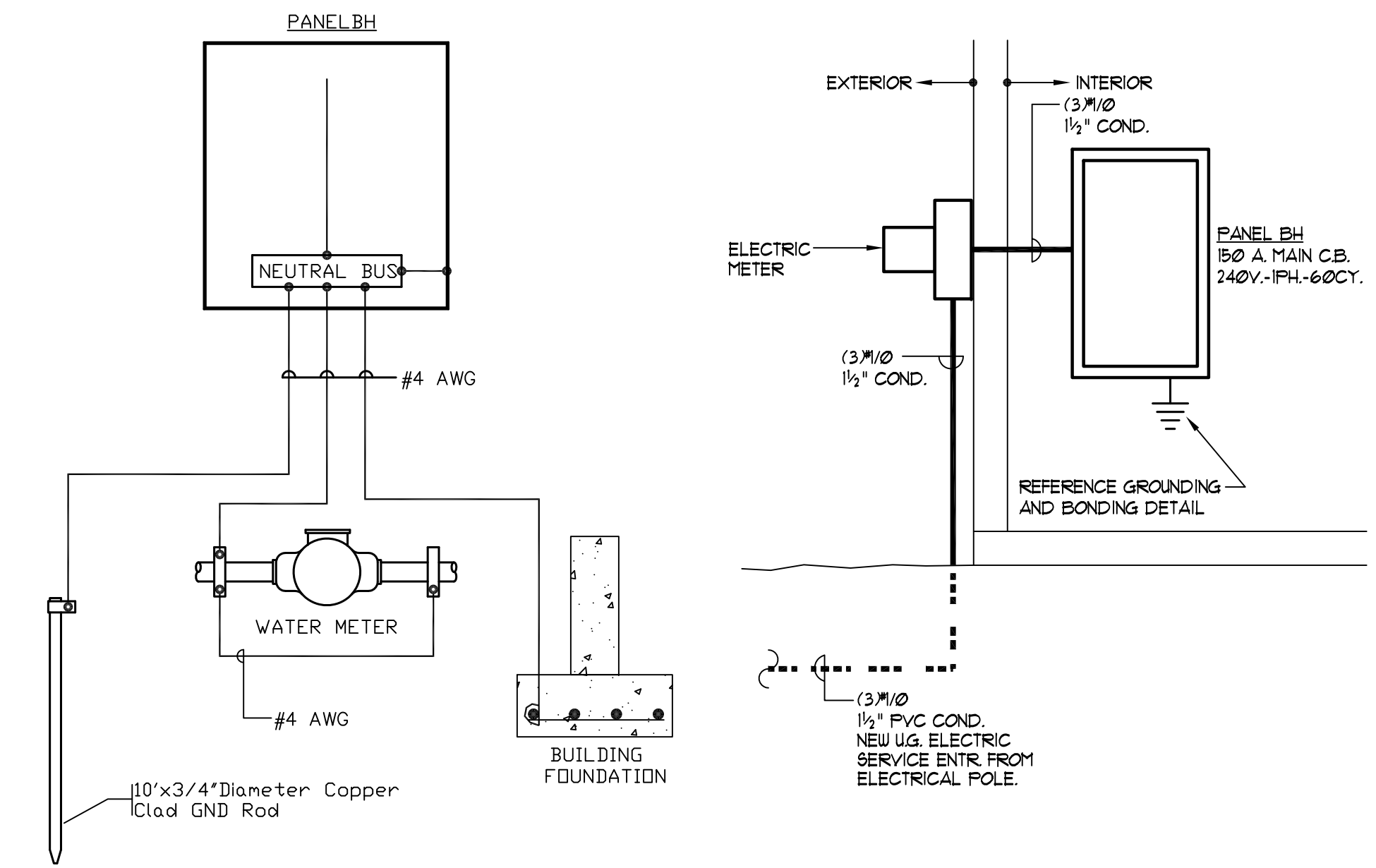
- FLUORESCENT LIGHT FIXTURE - RECESSED, SURFACE, OR PENDENT MOUNTED
- RECESSED MOUNTED CEILING FIXTURE
- INCANDESCENT FIXTURE, WALL
- SURFACE OR PENDANT MOUNT EXIT SIGN FIXTURE; ARROWS INDICATE REQUIRED SIGN ARROWS.
- BATTERY POWERED EMERGENCY LIGHTING FIXTURE
- COMBINATION EMERGENCY LIGHTING FIXTURE AND EXIT SIGN
- A INDICATES FIXTURE TYPE; SEE SCHEDULE.

**RECEPTACLES**

- GROUNDED DUPLEX RECEPTACLE (NEMA 5-20R); MOUNTED 18" AFF UON; NUMBER INDICATES CIRCUIT.
- GROUNDED QUADRUPLEX RECEPTACLE (NEMA 5-20R); MOUNTED 18" AFF UON.
- DUPLEX RECEPTACLE ON DEDICATED CIRCUIT
- SPECIAL PURPOSE RECEPTACLE; LETTER INDICATES TYPE; TYPE DEFINED BY NOTATION OR SCHEDULE; MOUNTED 18" AFF UON.

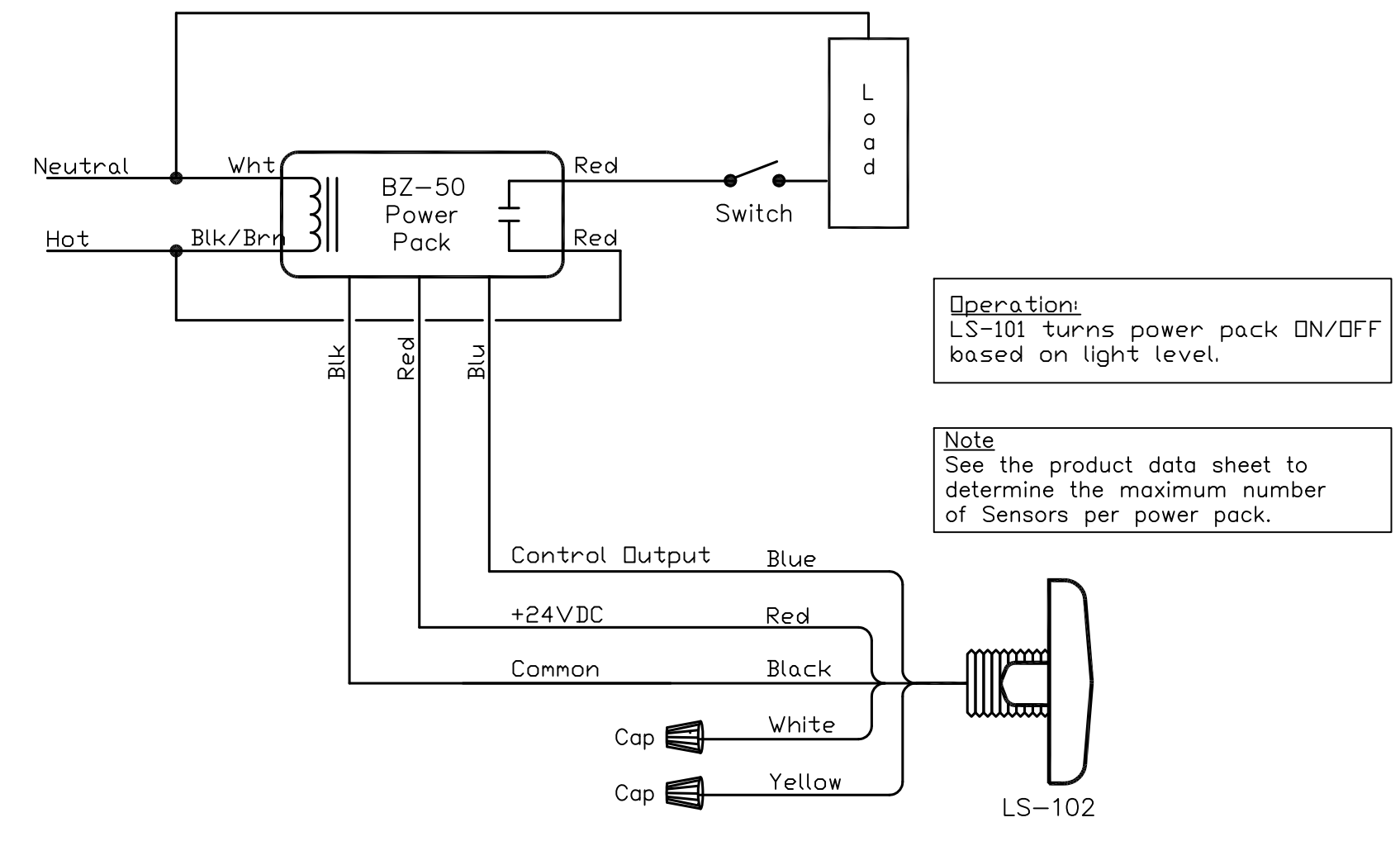
**PANELS AND MISC.**

- LIGHT OR POWER PANEL
- FUSED SAFETY (DISCONNECT) SWITCH
- NON-FUSED SAFETY (DISCONNECT) SWITCH
- JUNCTION BOX
- MOTOR
- LED DRIVER
- MOTOR OPERATED DAMPER



**GROUNDING & BONDING DETAIL**

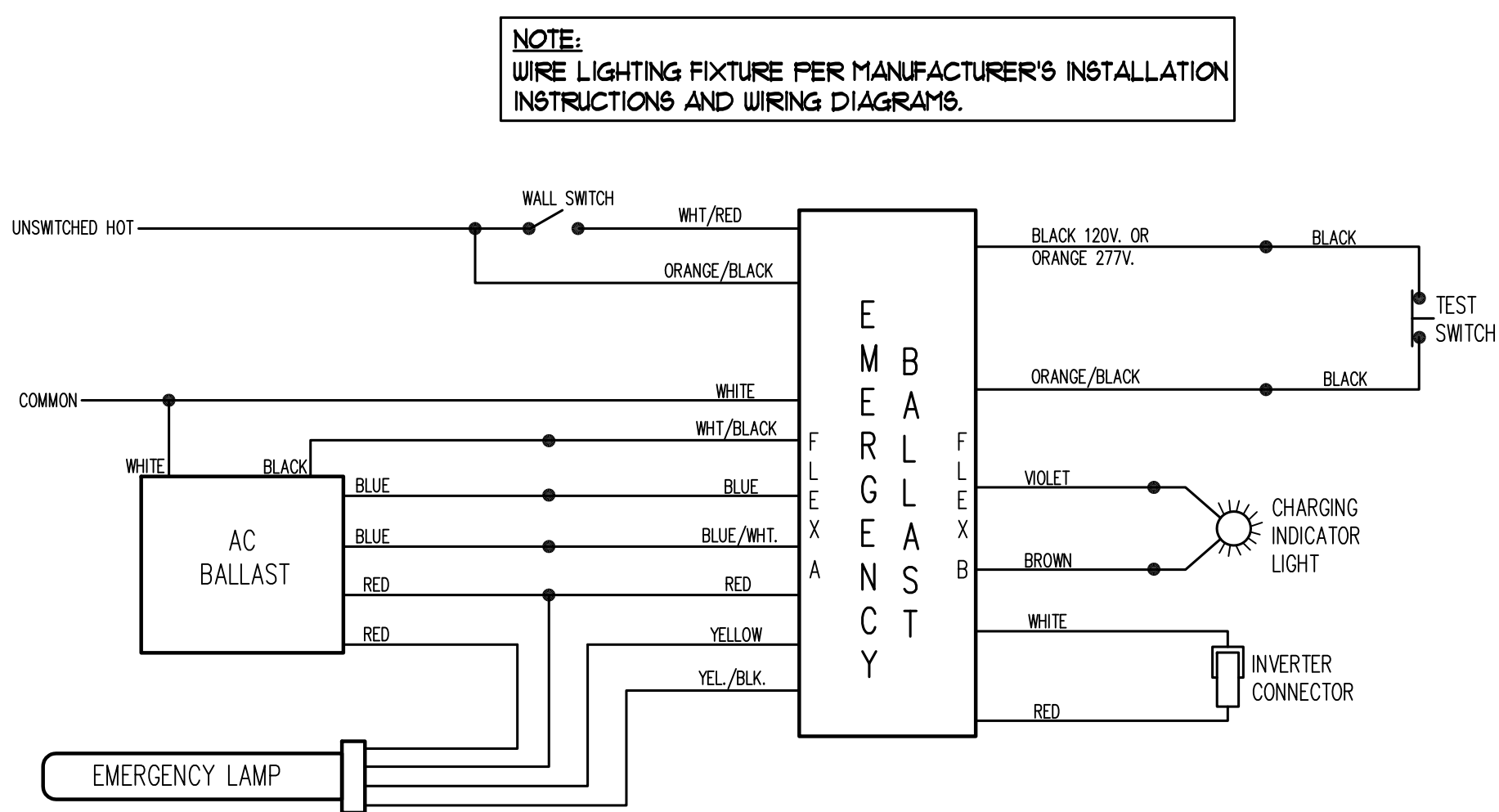
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**WATTSTOPPER LIGHTSAVER LS-102 SWITCHING**

**PHOTOCELL WIRING DIAGRAM**

NOT TO SCALE



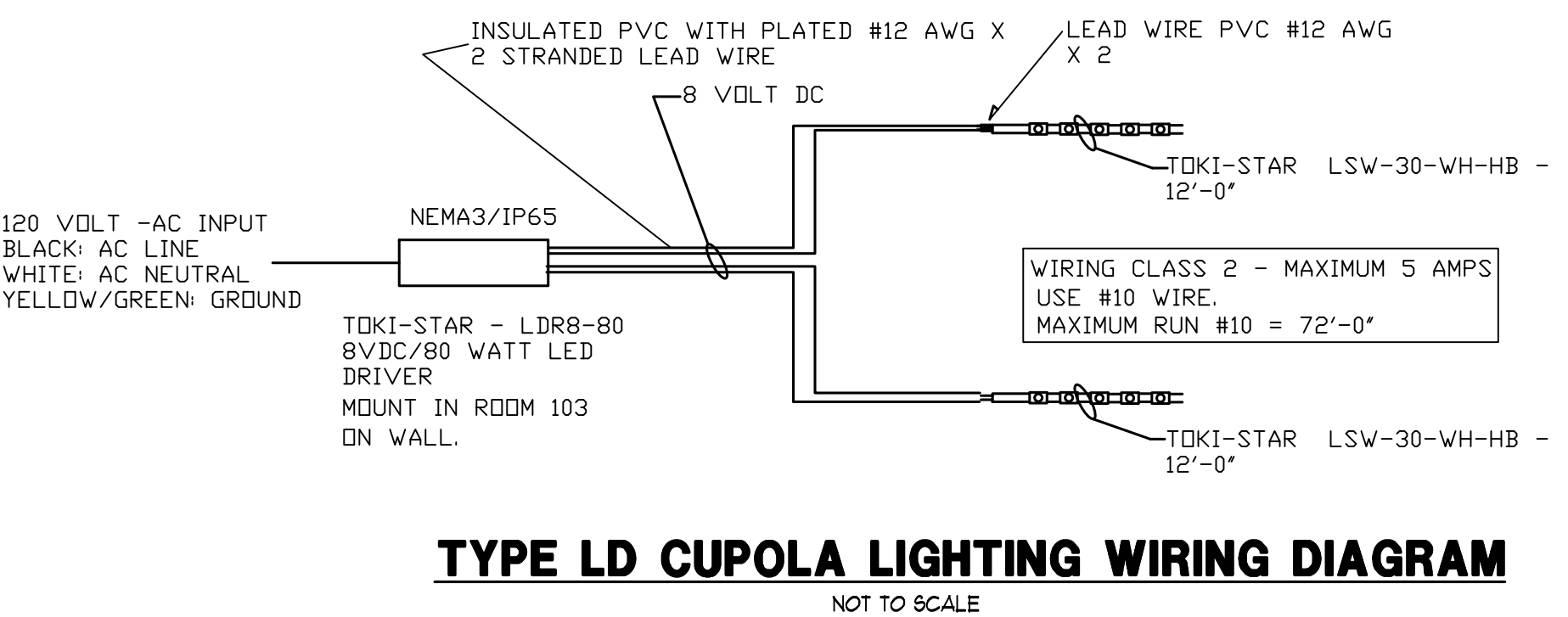
**TYPICAL WIRING OF LIGHT FIXTURE WITH EMERGENCY BALLAST/BATTERY**

NOT TO SCALE

LIGHT FIXTURE SCHEDULE									
FIXTURE TYPE	MOUNTING	MANUFACTURER	CATALOG NO.	NO. OF LAMPS	LAMPING	BF	VOLTS	COLOR	REMARKS/NOTES
LA	SURFACE	LUMINAIRE	YFF4-25W-4000K-120-CP-UHT-ST/SC-UET	1	25 W LED	1	120	WHITE	UET LOCATION RATED.
LAE	SURFACE	LUMINAIRE	YFF4-25W-4000K-120-CP-UHT-ST/SC-UET-EMB20R	1	25 W LED	1	120	WHITE	EMERGENCY BATTERY PACK UET LOCATION RATED.
LB	RECESSED CEILING	LITHONIA	LDNG-40-20-LD6-UR-120	1	61 W LED 2000 LUMENS	1	120	WHITE	UET LOCATION RATED.
LBE	RECESSED CEILING	LITHONIA	LDNG-40-20-LD6-UR-120	1	61 W LED 2000 LUMENS	1	120	WHITE	EMERGENCY BATTERY PACK UET LOCATION RATED.
LC	RECESSED CEILING	LITHONIA	LDNG-40-20-L106-UR-120-EL	1	61 W LED 2000 LUMENS	1	120	WHITE	UET LOCATION RATED.
LD	COVE	TOKI-STAR	(2)LSJ-30-WH-HB-9'-0"		LED 6500 K	NA	8VDC	NA	MOUNT ON TOP OF COVE FACING UP
LD-DRIVER	SURFACE	TOKI-STAR	8VDC/80		NA	NA	120	NA	MOUNTING IN MECH 103 ON WALL AT CEILING
LEX	WALL OR CEILING	LITHONIA	LQ1 SWB R 120/271 ELN	1	LED	NA	120	WHITE	NI-CAD BATTERY
LE	WALL	SHAPER	673-16-WF-L4/840-120-EM	1	LED 3000 LUMENS 25 W	NA	120	NATURAL BRONZE	MOUNT TO WOOD BLOCKING PER ARCHITECT.
LF	SURFACE	LUMINAIRE	YFF2-15W-4000K-120-CP-UHT-ST/SC-UET	1	15 W LED	1	120	WHITE	UET LOCATION RATED.

NOTES:  
 1 ALL EXTERIOR LIGHTING TO HAVE PHOTOELECTRIC SWITCH AND TIME CLOCK CONTROL.

CIRCUIT BREAKER PANEL NO. BH										
VOLT-AMPS(V-A)		CIRCUIT DESCRIPTION	CONDUCTOR	POLES	C.B.	CK'T#	C.B. POLES	CONDUCTOR	CIRCUIT DESCRIPTION	VOLT-AMPS(V-A)
1250	1250	HAND DRYER	2#2 M2G	1	20	1 2 20	1	2#2 M2G	HAND DRYER	1250
1250	1250	HAND DRYER	2#2 M2G	1	20	3 4 20	1	2#2 M2G	RECEPTACLE	1000
1250	1250	HAND DRYER	2#2 M2G	1	20	5 6 20	1	2#2 M2G	RECEPTACLE	1000
1250	1250	HAND DRYER	2#2 M2G	1	20	7 8 20	1	2#2 M2G	EF-1	1000
1250	1250	HAND DRYER	2#2 M2G	1	20	9 10 20	1	2#2 M2G	LIGHTING - INTERIOR	300
1250	1250	HAND DRYER	2#2 M2G	1	20	11 12 20	1	2#2 M2G	LIGHTING - EXTERIOR	600
2250	2250	WATER HEATER WH-1	2#2 M2G	2	30	13 14 20	1	2#2 M2G	RECEPT. 4 DF-1	1000
		HAND DRYER	2#2 M2G	1	20	15 16 20	1	2#2 M2G	LIGHTING - 8ITE	600
		SPACE				17 18			SPACE	
		SPACE				19 20			SPACE	
		SPACE				21 22			SPACE	
		SPACE				23 24			SPACE	
		SPACE				25 26			SPACE	
		SPACE				27 28			SPACE	
		SPACE				29 30			SPACE	
6100	6000	TOTAL							TOTAL	4100 4150



**TYPE LD CUPOLA LIGHTING WIRING DIAGRAM**

NOT TO SCALE

Owner  
**Division of Parks and Recreation**  
 New Hampshire  
 Department of Resources and Economic Development

Administrator  
**Division of Public Works, Design and Construction**  
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Drawing Set Log  
 No. Revision Date Appv.

Designed by CPB Drawn by CPB Checked by CPB  
 CAD checked by CPB Approved by CPB  
 Scale AS NOTED

Project Title and Location  
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 2280 Ocean Boulevard  
 Rye, New Hampshire 03870

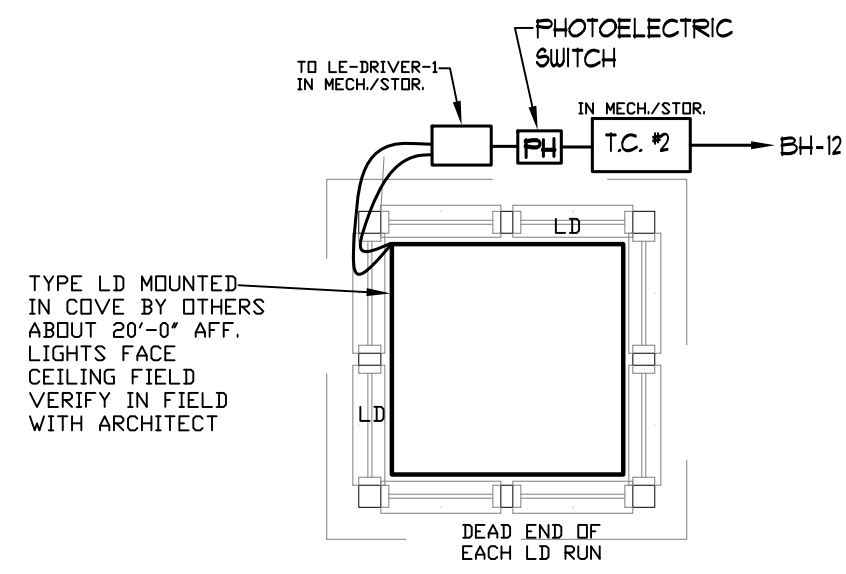
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**Construction Documents**  
 ISSUED: June 30, 2016

Project Number NHPBPW - 80877B Stamp  
 STATE OF NEW HAMPSHIRE  
 CHARLES P. BUCKLEY  
 NO. 09198  
 PROFESSIONAL ENGINEER

Drawing Title  
**ELECTRICAL SCHEDULES, SYMBOLS AND DETAILS**

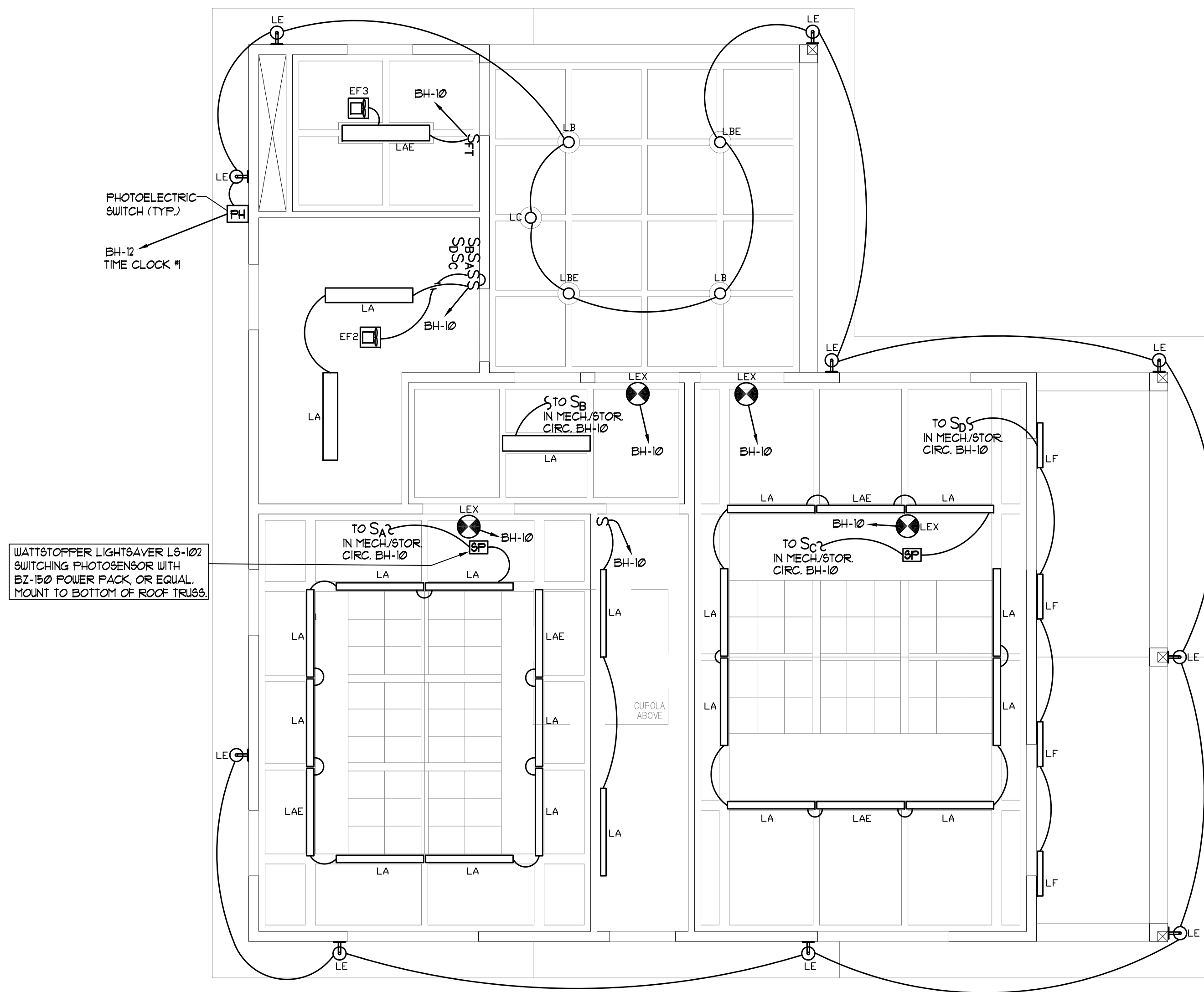
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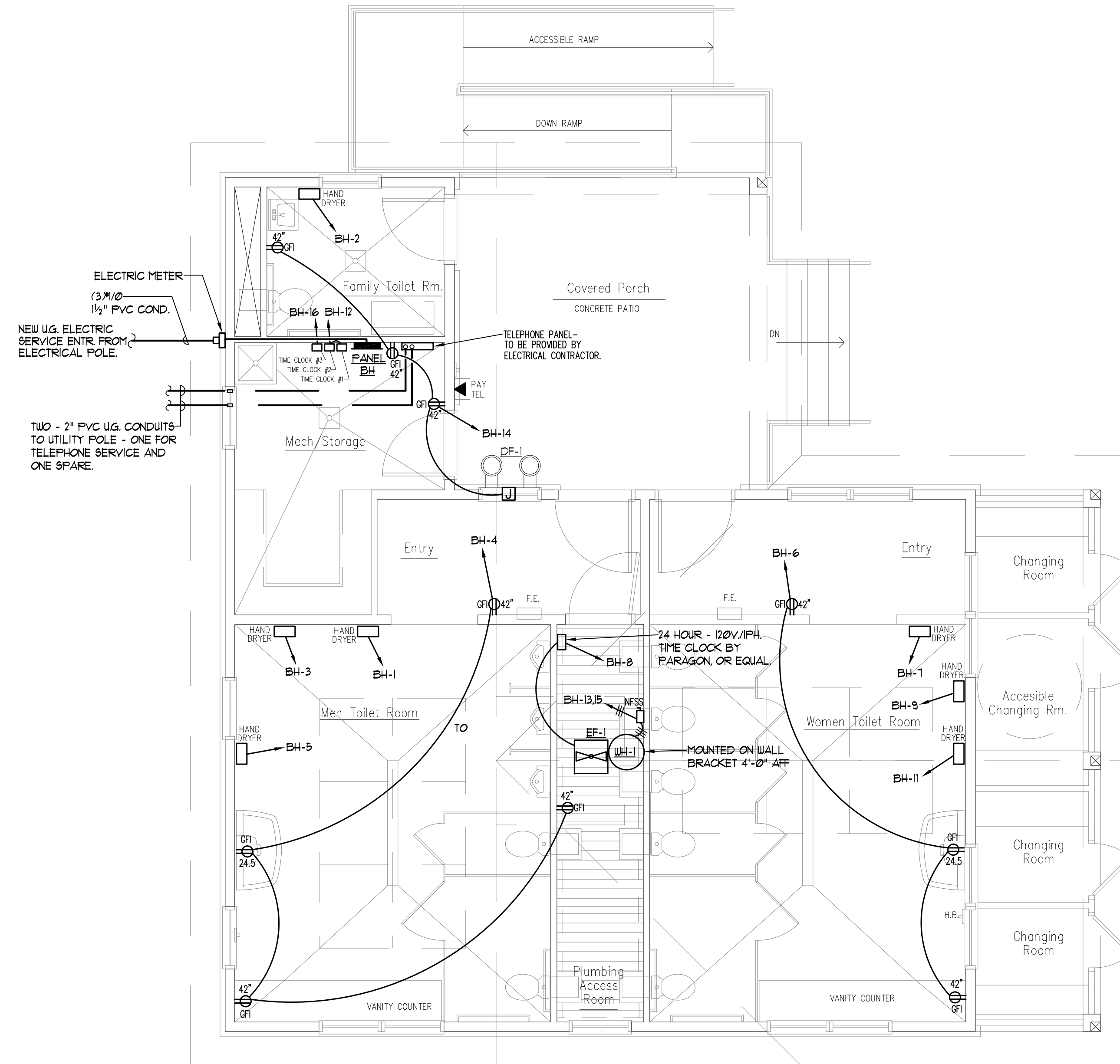
**CUPOLA LIGHTING PLAN**

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



**LIGHTING PLAN**

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



**ELECTRICAL POWER PLAN**

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

Owner

**Division of Parks and Recreation**  
New Hampshire  
Department of Resources and Economic Development

Administrator

**Division of Public Works, Design and Construction**  
New Hampshire  
Department of Administrative Services

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Drawing Set Log

No.	Revision	Date	Appvd.

Designed by CPB Drawn by CPB Checked by CPB  
CAD checked by CPB Approved by CPB  
Scale AS NOTED

Project Title and Location

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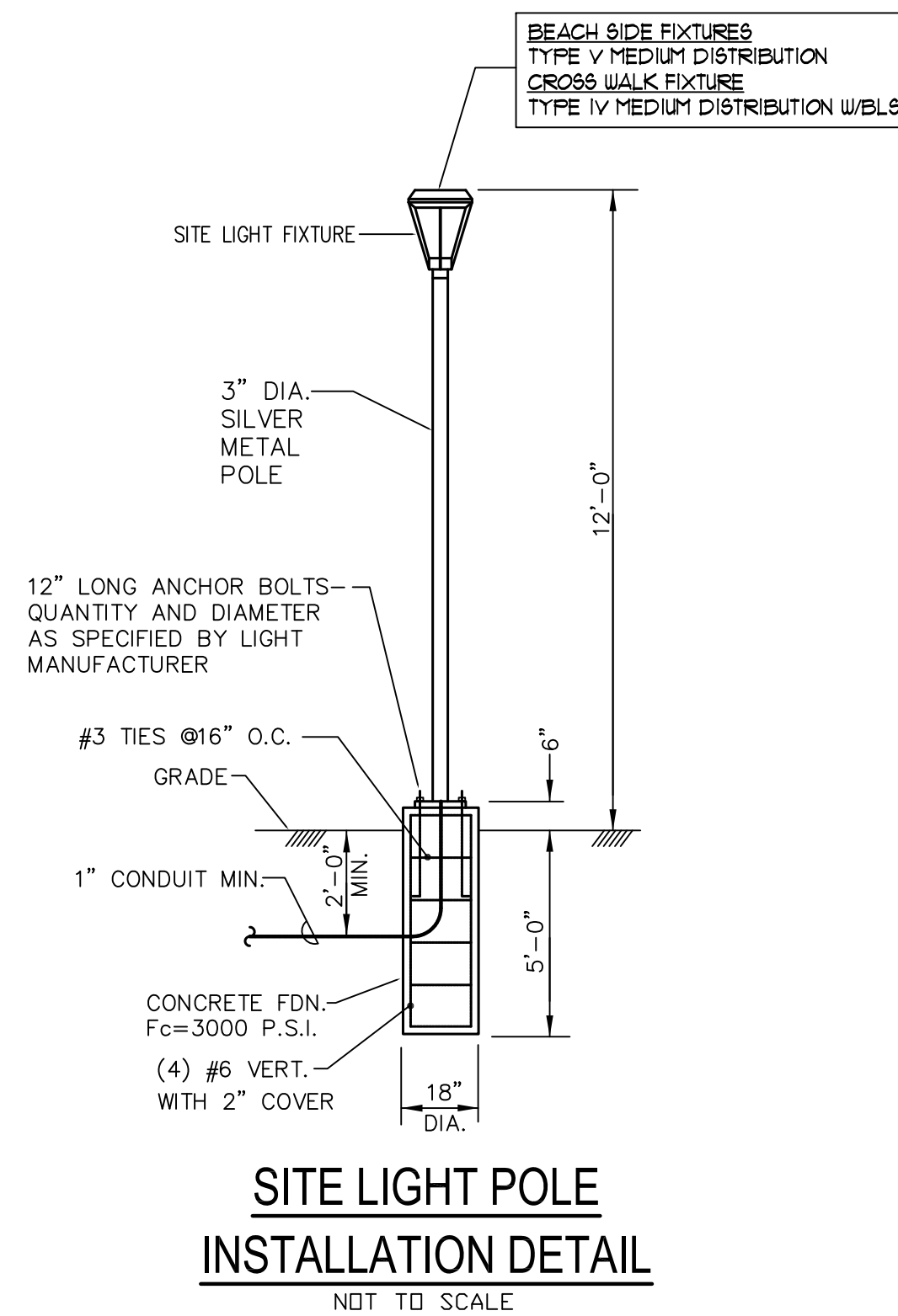
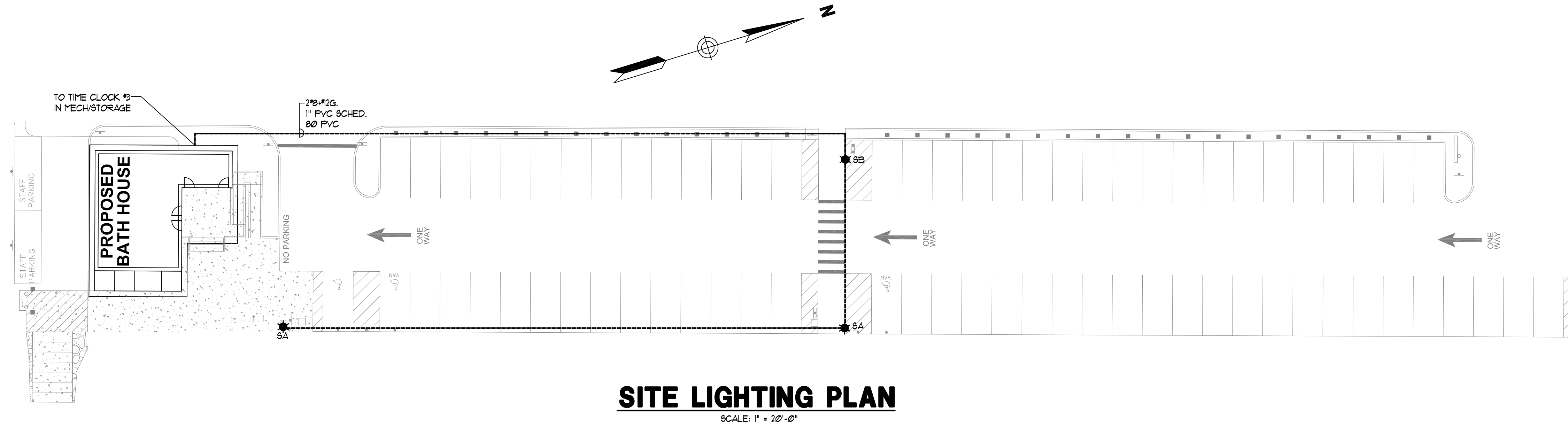
Drawing Title

**ELECTRICAL PLANS**

Drawing Number

**E - 2**






**LIGHT FIXTURE SCHEDULE**

FIXTURE TYPE	MOUNTING	MANUFACTURER	CATALOG NO.	NO. OF LAMPS	LAMPING	BF	VOLTS	COLOR	REMARKS/NOTES
SA	POLE	CREE	ARE-EDR-5M-R3-04-E-UL-5V-350-P	1	LED-4498 LUMENS	---	120	SILVER	• TYPE V MEDIUM DISTRIBUTION • PHOTOCELL • COLOR: SILVER
SB	POLE	CREE	ARE-EDR-5M-R3-04-E-UL-5V-350-P	1	LED-4498 LUMENS	---	120	SILVER	• TYPE IV MEDIUM DISTRIBUTION W/BL'S • PHOTOCELL • COLOR: SILVER

NOTES:

Owner



**Division of Parks and Recreation**  
New Hampshire  
Department of Resources and Economic Development


---

Administrator

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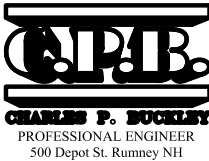
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E 603-622-4593 www.fbr.com

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Mechanical, Electrical & Plumbing Engineer



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---

Drawing Set Log

No.	Revision	Date	Appvd.

Designed by CPB Drawn by CPB Checked by CPB  
CAD checked by CPB Approved by CPB  
Scale AS NOTED

Project Title and Location

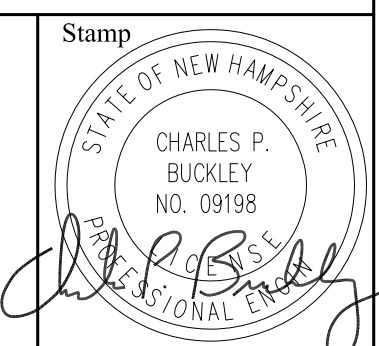
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ISSUED: June 30, 2016

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Drawing Title

**SITE ELECTRICAL PLAN & DETAILS**

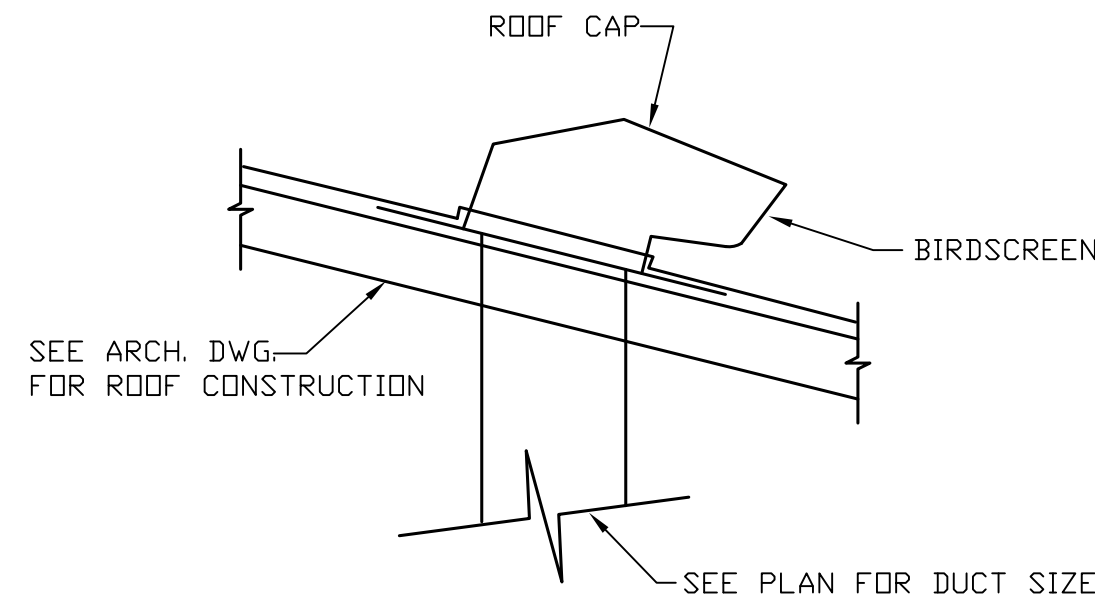
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**E - 3**

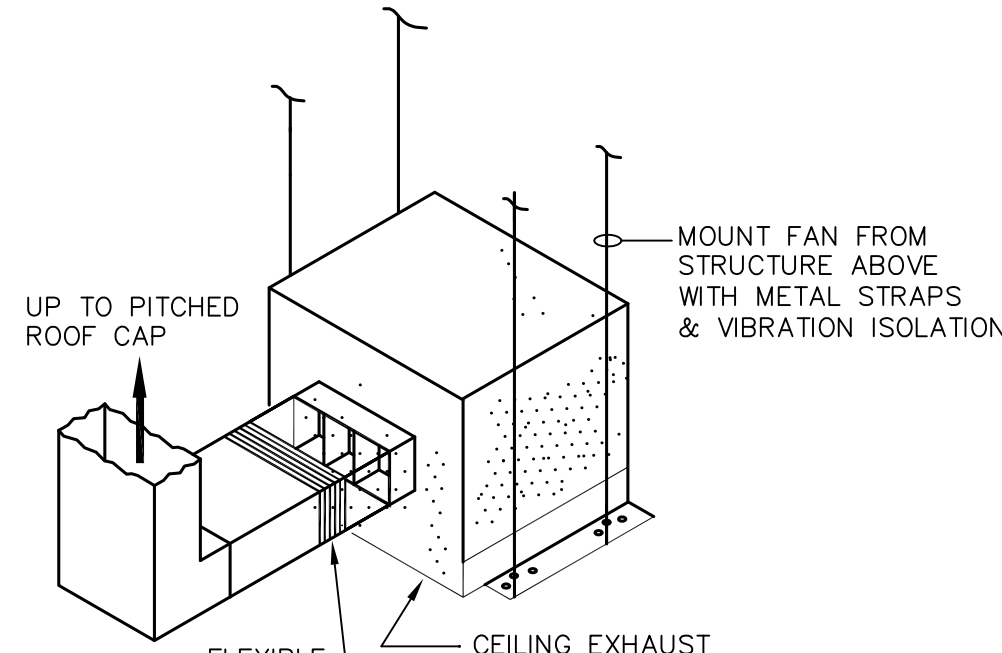


### HVAC NOTES

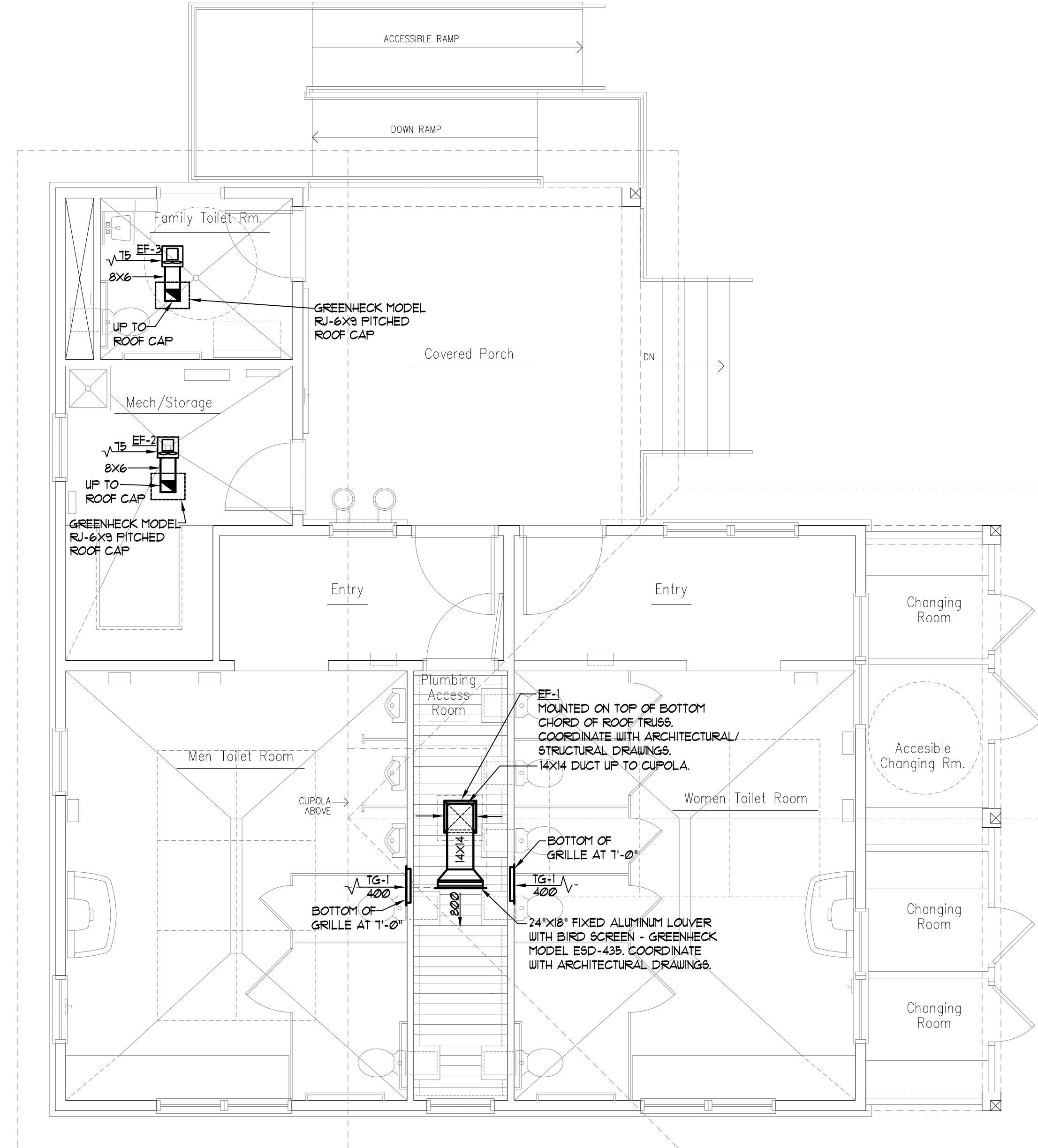
- SCOPE OF WORK**
  - A. THE CONTRACTOR IS RESPONSIBLE FOR ALL WORK, MATERIALS, AND LABOR TO SATISFY A COMPLETE WORKING SYSTEM WHETHER SPECIFIED OR IMPLIED.
  - B. ALL WORK IS TO BE PERFORMED IN STRICT COMPLIANCE WITH THE INTERNATIONAL MECHANICAL CODE 2009, ALL LOCAL AND ALL OTHER REGULATION GOVERNING WORK OF THIS NATURE.
  - C. THE CONTRACTOR SHALL, BEFORE SUBMITTING ANY PROPOSAL, EXAMINE THE PROPOSED SITE AND SHALL DETERMINE FOR HIMSELF THE CONDITIONS THAT MAY EFFECT THE WORK. NO ALLOWANCE SHALL BE MADE IF THE CONTRACTOR FAILS TO MAKE SUCH EXAMINATIONS.
  - D. ALL EQUIPMENT AND MATERIALS SHALL BE AS SPECIFIED OR 'APPROVED EQUAL' BY THE ENGINEER OR ARCHITECT.
- PERMITS**
  - A. THE CONTRACTOR SHALL SECURE ALL PERMITS OR APPLICATIONS AND PAY ANY AND ALL FEES.
- SHOP DRAWINGS**
  - A. SUBMIT MATERIAL LIST AND SHOP DRAWINGS FOR MAJOR EQUIPMENT TO THE ARCHITECT/ENGINEER FOR APPROVAL. THE CONTRACTOR SHALL SUBMIT FIVE SETS OF SHOP DRAWINGS AND THEY SHALL BE CLEARLY LABELED.
- DUCTWORK**
  - A. THE DUCTWORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE 'SMACNA' APPLICABLE MANUALS. ALL DUCTWORK SHALL BE THE LOW VELOCITY TYPE, UNLESS SPECIFIED OTHERWISE.
  - B. SMOOTH TURN RADIUS DUCTWORK OR TURNING VANES SHALL BE USED THROUGHOUT WHERE FLOW EXCEEDS 150 CFM.
  - C. ALL DUCT JOINTS TO BE SEALED IN ACCORDANCE WITH 'SMACNA' STANDARDS AND ACCEPTED GOOD PRACTICE.
  - D. ALL DUCT DIMENSIONS SHOWN ARE NET INSIDE VALUES. DIMENSIONS MAY BE CHANGED SO LONG AS THE NET FREE FACE AREA IS MAINTAINED.
- ELECTRICAL**
  - A. CONTRACTOR TO COORDINATE WITH ELECTRICAL CONTRACTOR FOR LOCATION OF WIRING FOR EACH HVAC UNIT.
- MISCELLANEOUS**
  - A. COORDINATE INSTALLATION OF ALL ROOF FLASHING AT ROOF PENETRATION.
  - B. DO NOT SCALE THIS DRAWING FOR EXACT DIMENSIONS. VERIFY ALL FIGURES, CONDITIONS, AND DIMENSIONS AT THE JOB SITE.
  - C. THE MECHANICAL PLANS ARE INTENDED TO BE DIAGRAM-MATIC AND ARE BASED ON ONE MANUFACTURE'S EQUIP-MENT. THEY ARE NOT INTENDED TO SHOW EVERY ITEM IN ITS EXACT LOCATION, THE EXACT DIMENSIONS, OR ALL THE DETAILS OF THE EQUIPMENT. THE CONTRACTOR SHALL VERIFY THE ACTUAL DIMENSIONS OF THE EQUIP-MENT PROPOSED TO ENSURE THAT THE EQUIPMENT WILL FIT IN THE AVAILABLE SPACE.
- TESTING AND BALANCING**
  - A. THE HVAC SYSTEM SHALL BE TESTED AND BALANC-ED BY AN INDEPENDENT AGENCY, UNDER THE SUPER-VISION OF A LICENSED PROFESSIONAL ENGINEER. A SEALED TYPE WRITTEN REPORT SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER FOR REVIEW AND APPROVAL.
- GUARANTEE**
  - A. MATERIALS, EQUIPMENT AND INSTALLATION SHALL BE GUARANTEED FOR A PERIOD OF ONE(1) YEAR FROM DATE OF ACCEPTANCE. DEFECTS WHICH APPEAR DURING THAT PERIOD SHALL BE CORRECTED AT THIS CONTRACTOR'S EXPENSE.
  - B. FOR THE SAME PERIOD, THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO PREMISES CAUSED BY DEFECTS IN WORKMANSHIP OR IN THE WORK OR EQUIPMENT FURNISHED AND/OR INSTALLED BY HIM.
- WRITTEN SPECIFICATIONS**
  - A. REFERENCE MECHANICAL WRITTEN SPECIFICATIONS FOR COMPLETE DESCRIPTION OF THE VENTILATION SYSTEM.



**ROOF CAP DETAIL**  
NOT TO SCALE  
(EF-2 AND EF-3)

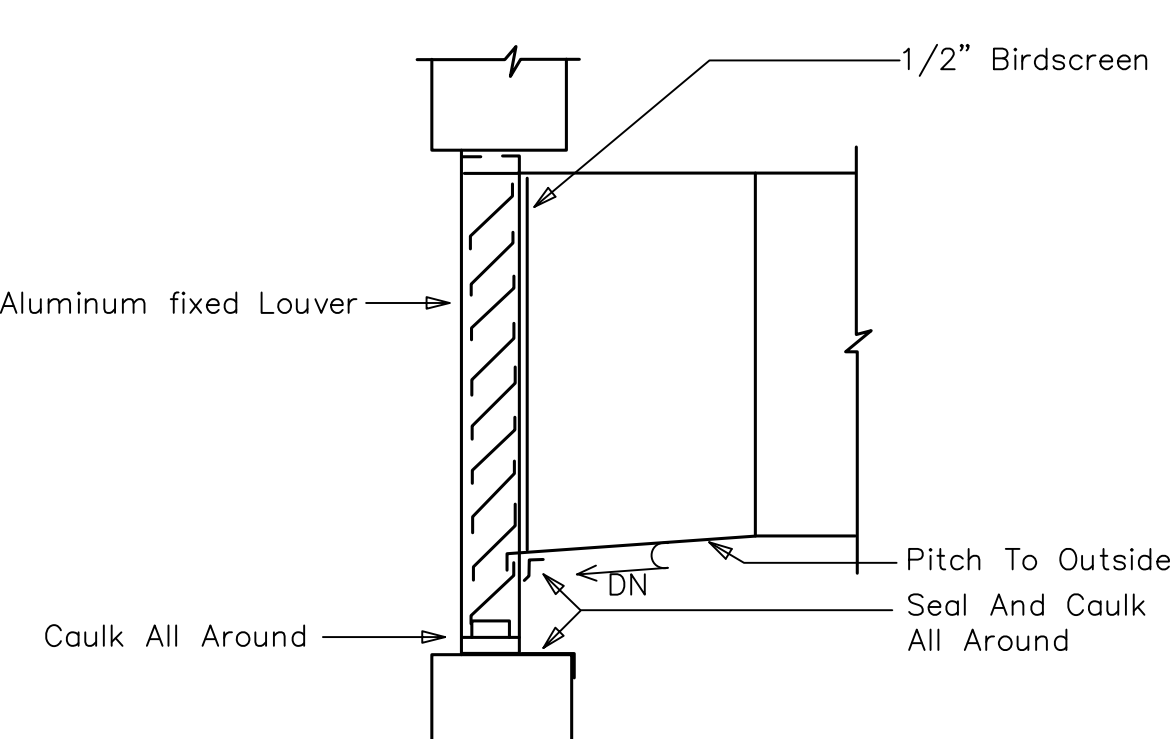


**CEILING EXHAUST FAN DETAIL**  
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(EF-2 AND EF-3)

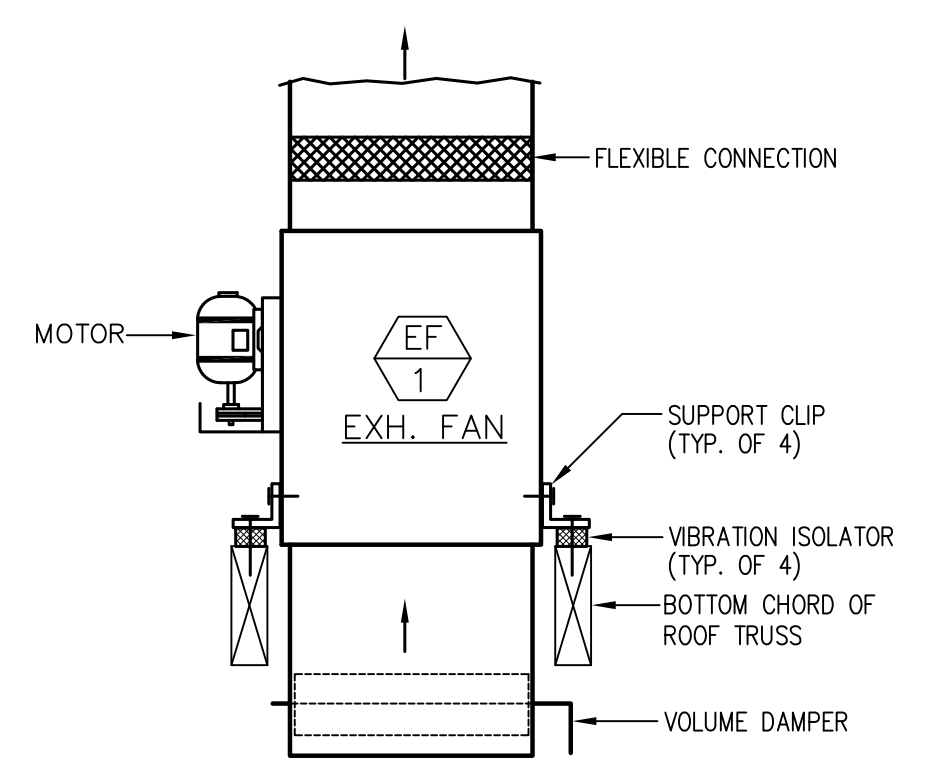


### VENTILATION PLAN

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

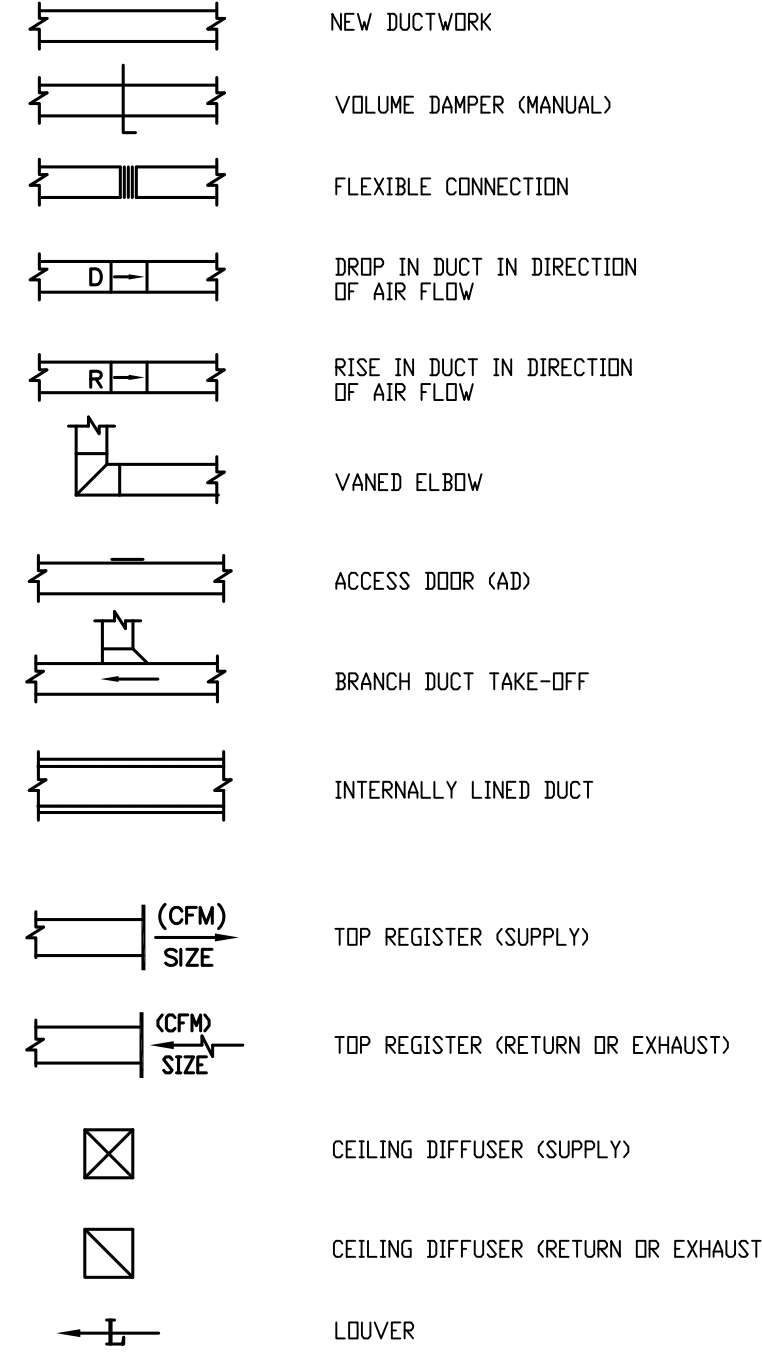


**LOUVER CONNECTION DETAIL**  
NOT TO SCALE



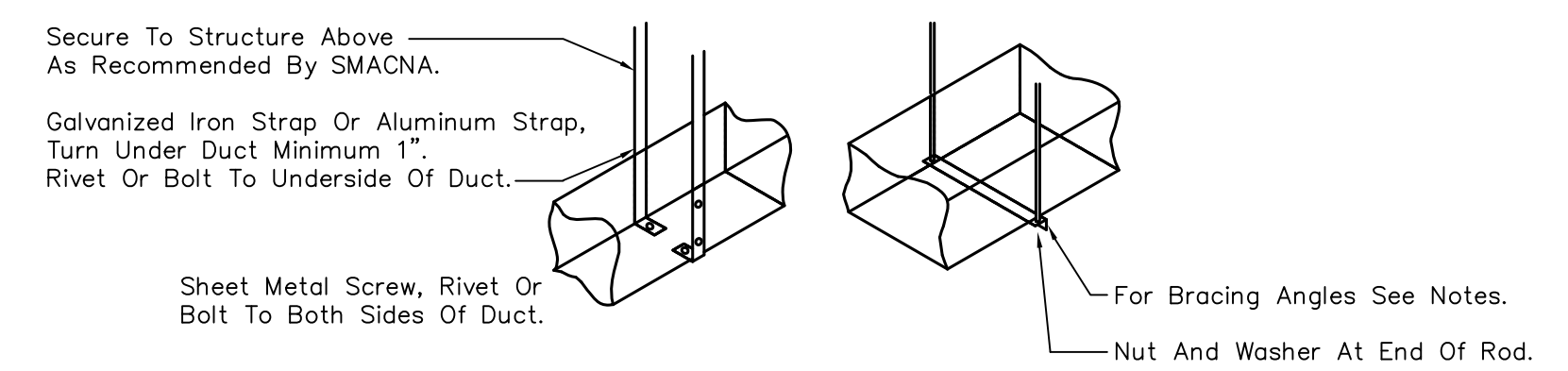
**CENTRIFUGAL IN-LINE FAN DETAIL**  
N.T.S.

### DUCTWORK SYMBOLS



### RECTANGULAR DUCT HANGER SCHEDULE (MINIMUM SIZES)

HALF DUCT PERIMETER RANGE	PAIR AT 10' SPACING		PAIR AT 8' SPACING		PAIR AT 5' SPACING		PAIR AT 4' SPACING	
	STRAP	WIRE/ROD	STRAP	WIRE/ROD	STRAP	WIRE/ROD	STRAP	WIRE/ROD
P/2 < 30"	1"x 22 GA.	10 GA. (0.135")	1"x 22 GA.	10 GA. (0.135")	1"x 22 GA.	12 GA. (0.106")	1"x 22 GA.	12 GA. (0.106")
P/2 < 72"	1"x 18 GA.	3/8"	1"x 20 GA.	1/4"	1"x 22 GA.	1/4"	1"x 22 GA.	1/4"
P/2 < 96"	1"x 16 GA.	3/8"	1"x 18 GA.	3/8"	1"x 20 GA.	3/8"	1"x 22 GA.	1/4"



**DUCT HANGER DETAIL**  
NOT TO SCALE

### DUCT CONSTRUCTION MINIMUM SHEET METAL THICKNESSES

MAXIMUM SIZE (INCHES)	RECTANGULAR DUCTS	
	STEEL (MINIMUM THICKNESS, NOMINAL)	ALUMINUM (MINIMUM THICKNESS, NOMINAL)
THROUGH 12	0.022 INCH (26 GAGE, GALV.)	0.020 INCH (NO. 24 B&S GAGE)
13 THROUGH 30	0.028 INCH (24 GAGE, GALV.)	0.025 INCH (NO. 22 B&S GAGE)
31 THROUGH 54	0.034 INCH (22 GAGE, GALV.)	0.032 INCH (NO. 20 B&S GAGE)
55 THROUGH 84	0.040 INCH (20 GAGE, GALV.)	0.040 INCH (NO. 18 B&S GAGE)
OVER 84	0.052 INCH (18 GAGE, GALV.)	0.051 INCH (NO. 16 B&S GAGE)

### FAN SCHEDULE

EQUIPMENT NO.	SERVICE	LOCATION	CFM	STATIC PRESS. (IN. W.G.)	MOTOR				MANUFACTURER & MODEL	OPTIONS-ACCESSORIES
					WATTS	HP	RPM	VOLT.-PH.-CY.		
EF-1	TOILET ROOMS	CEILING	800	0.50	---	1/4	1725	120-1-60	GREENHECK MODEL 8Q-100	• 24 HOUR TIME CLOCK CONTROL.
EF-2	MECHANICAL/STORAGE	CEILING	88	0.25	48.7	---	950	120-1-60	GREENHECK MODEL 8P-A110	• LOCAL SWITCH CONTROL. • PITCHED ROOF CAP - GREENHECK MODEL RJ-6X9
EF-3	FAMILY TOILET ROOM	CEILING	88	0.25	48.7	---	950	120-1-60	GREENHECK MODEL 8P-A110	• LIGHT SWITCH CONTROL. • PITCHED ROOF CAP - GREENHECK MODEL RJ-6X9

### GRILLE - REGISTER - DIFFUSER SCHEDULE

EQUIPMENT NO.	SR-SUPPLY REGISTER		RG-RETURN GRILLE		CD-CEILING DIFFUSER		EG-EXHAUST GRILLE		TG-TRANSFER GRILLE	
	SIZE	TYPE	MANUFACTURER & MODEL	FINISH	OPTIONS-ACCESSORIES	SIZE	TYPE	MANUFACTURER & MODEL	FINISH	OPTIONS-ACCESSORIES
TG-1	24"x18"	TRANSFER GRILLE	HART & COOLEY MODEL R445 - 24"x18"	WHITE						

Owner  
  
**Division of Parks and Recreation**  
**New Hampshire**  
**Department of Resources and Economic Development**  
 Administrator  
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**Department of Administrative Services**  
 Civil Engineer / Landscape Architect / Surveyor  
  
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 Bedford, NH 03110  
 603.391.3900  
 Architect  
**SAMYN - D'ELIA ARCHITECTS, P.A.**  
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 sdarchitects.com  
 Structural Engineer  
  
 Structural Engineers  
**Foley Buhl Roberts & Associates Inc.**  
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 603.422.2193  
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 Manchester, NH 03101  
 Mechanical, Electrical & Plumbing Engineer  
  
**CPB ENGINEERING & CONSULTING**  
 200 Hedge St. Rumney, NH  
 1.603.769.7485 Fax 769.7345  
 Drawing Set Log  

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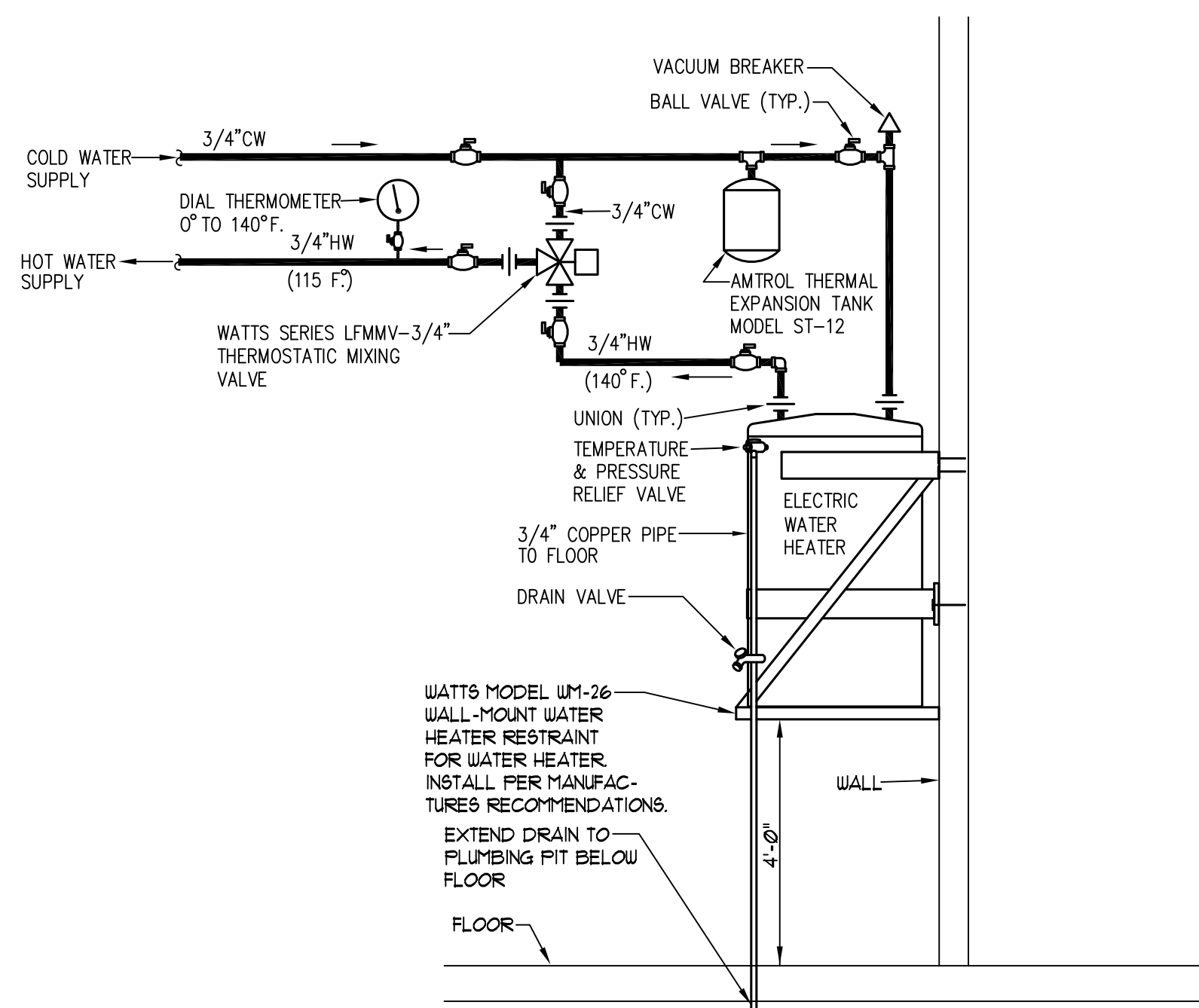
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**Construction Documents**  
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 Project Number NHPBP - 80877B Stamp  

 Drawing Title  
**MECHANICAL PLAN AND DETAILS**  
 Drawing Number  
**M - 1**  
 Sheet 1 of 1



### PLUMBING SYMBOLS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	SOIL OR WASTE PIPE (BELOW GROUND)		VACUUM BREAKER
	SOIL OR WASTE PIPE (ABOVE GROUND)		PRESSURE GAGE
	VENT PIPE (V)		TEMPERATURE GAGE
	COLD WATER PIPE (CW)		WATER METER
	HOT WATER PIPE (HW)		PRESSURE REDUCING VALVE
	HOT WATER RETURN (HWR)		GAS COCK
	NATURAL GAS PIPE		VENT THROUGH ROOF
	STORM DRAIN PIPE		LAVATORY
	FLOOR DRAIN		WATER CLOSET
	CLEAN-OUT(FLOOR)		URINAL
	CLEAN-OUT(WALL)		DRINKING FOUNTAIN
	HOT WATER HEATER		ACCESS DOOR
	BALL VALVE		UNDERGROUND
	CHECK VALVE		
	TEMP./PRESS. RELIEF VALVE		
	FIXTURE ISOLATION VALVE		



**ELECTRIC WATER HEATER DETAIL**  
NOT TO SCALE

### ELECTRIC WATER HEATER SCHEDULE

ITEM NO.	CAPACITY	RECOVERY @90 DEG. F. RISE	HEATING ELEMENT KW	ELECTRIC V./PH.	WATER CONN.	MANUFACTURER & MODEL	REMARKS
UH-1	30 GAL.	20 GPH	4.5	240/1	3/4"	RHEEM MARATHON MODEL MR30245	• 140°F. DISCHARGE TEMPERATURE

### PLUMBING NOTES

- SCOPE OF WORK**
  - THE CONTRACTOR IS RESPONSIBLE FOR ALL WORK, MATERIALS, AND LABOR TO SATISFY A COMPLETE WORKING SYSTEM WHETHER SPECIFIED OR IMPLIED.
  - ALL WORK IS TO BE PERFORMED IN STRICT COMPLIANCE WITH THE NATIONAL STANDARD PLUMBING CODE (2006) AND UNIFORM CONSTRUCTION CODE (LATEST EDITION).
  - THE CONTRACTOR SHALL, BEFORE SUBMITTING ANY PROPOSAL, EXAMINE THE PROPOSED SITE AND SHALL DETERMINE FOR HIMSELF THE CONDITIONS THAT MAY EFFECT THE WORK. NO ALLOWANCE SHALL BE MADE IF THE CONTRACTOR FAILS TO MAKE SUCH EXAMINATIONS.
  - ALL EQUIPMENT AND MATERIALS SHALL BE AS SPECIFIED OR "APPROVED EQUAL" BY ENGINEER OR ARCHITECT.
- SHOP DRAWINGS**
  - SUBMIT MATERIAL LIST AND SHOP DRAWINGS FOR MAJOR EQUIPMENT/FIXTURES TO THE ARCHITECT OR ENGINEER FOR APPROVAL. THE CONTRACTOR SHALL SUBMIT SIX SETS OF SHOP DRAWINGS AND THEY SHALL BE CLEARLY LABELED.
- DOMESTIC WATER SUPPLY PIPING**
  - UNDERGROUND: PROVIDE TYPE "K" SOFT DRAWN COPPER TUBING WITH BRAZED CONNECTIONS, OR POLYETHYLENE TUBING OR SCHED. 40 CPVC WITH CPVC CEMENTED FITTINGS.
  - ABOVE GROUND: PROVIDE TYPE "L" HARD DRAWN COPPER TUBING WITH 125 PSI SOLDER JOINTS, COPPER OR BRASS FITTINGS, OR PEX TUBING WITH PEX FITTINGS, OR SCHED. 40 CPVC WITH CPVC CEMENTED FITTINGS.
  - ALL HOT WATER PIPING TO BE INSULATED WITH 1" FIBERGLASS INSULATION.
  - ALL COLD WATER PIPING TO BE INSULATED WITH 1/2" FOAM INSULATION.
  - ALL WATER PIPING SHALL BE INSTALLED SO AS FACILITATE SEASONAL DRAIN DOWN OF THE BUILDING'S WATER SYSTEMS. ALL PIPES SHALL BE PITCHED TO DRAIN BACK TO ACCESSIBLE LOW POINTS WHICH SHALL BE FITTED WITH BOILER DRAIN TYPE TAPS. THERE SHALL BE NO DIPS OR LOW POINTS IN THE WATER SYSTEM PIPING WITHOUT ACCESSIBLE DRAIN BACK TAPS.
- SANITARY/STORM DRAINAGE AND VENT PIPING**
  - ABOVE GRADE:
    - 2" AND BELOW: SCH. 40 PVC WITH SOLVENT JOINTS.
    - 3" AND ABOVE: SCH. 40 PVC WITH SOLVENT JOINTS.
  - BELOW GRADE: SCH. 40 PVC WITH SOLVENT JOINTS.
  - PVC PIPING SHALL NOT BE USED IN AIR PLENUM CEILING AND SHALL NOT CROSS FIRE RATED WALLS, CEILING, OR FLOORS.
  - DRAINAGE PIPING SHALL BE RUN AS STRAIGHT AS POSSIBLE AND SHALL HAVE LONG TURN FITTINGS.
  - DRAINAGE PIPING 3" SIZE AND SMALLER SHALL RUN AT A UNIFORM GRADE OF AT LEAST 1/4" PER FOOT, AND PIPING LARGER THAN 3" SHALL BE RUN AT A GRADE OF NO LESS THAN 1/8" PER FOOT.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER FLASHING OF THE VENT PIPING RUN THROUGH THE ROOF.
- PIPE SUPPORTS**
  - ABOVE GRADE
    - ALL PIPE SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE IN A NEAT AND WORKMANLIKE MANNER. THE USE OF WIRE AND PERFORMED METAL TO SUPPORT PIPES WILL NOT BE PERMITTED. SPACING OF PIPE SUPPORTS SHALL BE AS SPECIFIED IN THE NATIONAL STANDARD PLUMBING CODE.
  - BELOW GRADE
    - EARTH SHALL BE EXCAVATED TO A MINIMUM DEPTH WITH AN EVEN SURFACE TO INSURE SOLID BEARING OF PIPE FOR ITS ENTIRE LENGTH.
    - INTERIOR: THE PIPE SHALL BE INSTALLED (UNLESS OTHERWISE SPECIFIED) A MINIMUM OF 4 INCHES BELOW THE BOTTOM OF THE SLAB AND SHALL NOT BE IN ANY DIRECT CONTACT WITH THE CONCRETE AT ANY POINT.
    - EXTERIOR: THE WATER PIPE SHALL HAVE A MINIMUM OF 54" OF COVER AND THE SANITARY WASTE PIPE SHALL HAVE A MINIMUM OF 36" OF COVER.
- MISCELLANEOUS**
  - COORDINATE INSTALLATION OF ALL ROOF FLASHING AT ROOF PENETRATION.
  - DO NOT SCALE THIS DRAWING FOR EXACT DIMENSIONS. VERIFY ALL FIGURES, CONDITIONS, AND DIMENSIONS AT THE JOB SITE.
  - THE PLUMBING PLANS ARE INTENDED TO BE DIAGRAMATIC AND ARE BASED ON ONE MANUFACTURER'S EQUIPMENT. THEY ARE NOT INTENDED TO SHOW EVERY ITEM IN ITS EXACT LOCATION, THE EXACT DIMENSIONS, OR ALL THE DETAILS OF THE EQUIPMENT. THE CONTRACTOR SHALL VERIFY THE ACTUAL DIMENSIONS OF THE EQUIPMENT PROPOSED TO ENSURE THAT THE EQUIPMENT WILL FIT IN THE AVAILABLE SPACE.
- TESTING AND DISINFECTION**
  - PLUMBING SYSTEMS SHALL BE FLOW AND PRESSURE TESTED & DISINFECTED IN ACCORDANCE WITH STANDARD PRACTICE AND THE NATIONAL STANDARD PLUMBING CODE.
- WRITTEN SPECIFICATIONS**
  - REFERENCE PLUMBING WRITTEN SPECIFICATIONS FOR COMPLETE DESCRIPTION OF THE PLUMBING SYSTEMS.

### PLUMBING FIXTURE SCHEDULE

FIXTURE NO.	FIXTURE SYMBOL	DESCRIPTION	MANUFACTURER & CAT. NO.	PIPING CONNECTIONS					REMARKS
				TRAP	S/W	VENT	C.W.	H.W.	
UC-1		AMERICAN STANDARD AFWALL ELONG. FLUSH VALVE TOILET	AMERICAN STD. MODEL 2634.001	INTER-GRAL	4"	2"	1"	—	<ul style="list-style-type: none"> <li>FLUSHOMETER VALVE: SLOAN ROYAL MODEL 152-16</li> <li>WALL BOX: SLOAN MODEL UB-1-A</li> <li>FIXTURE SUPPORT: JAY R. SMITH MODEL 0210</li> <li>SEAT: CHURCH MODEL 9500C (COLOR: BLACK)</li> </ul>
UC-2 (A.D.A.)		AMERICAN STANDARD AFWALL ELONG. FLUSH VALVE TOILET	AMERICAN STD. MODEL 2634.001	INTER-GRAL	4"	2"	1"	—	<ul style="list-style-type: none"> <li>FLUSHOMETER VALVE: SLOAN ROYAL MODEL 152-16</li> <li>WALL BOX: SLOAN MODEL UB-1-A</li> <li>FIXTURE SUPPORT: JAY R. SMITH MODEL 0210</li> <li>SEAT: CHURCH MODEL 9500C (COLOR: BLACK)</li> </ul>
URN-1		AMERICAN STANDARD WASHBROOK FLOWISE 05 HIGH EFFICIENCY URINAL	AMERICAN STD. MODEL 655.005	INTER-GRAL	2"	1 1/2"	3/4"	—	<ul style="list-style-type: none"> <li>FLUSHOMETER VALVE: SLOAN ROYAL MODEL FLUSHOMETER MODEL 130-15</li> <li>WALL BOX: SLOAN MODEL UB-1-A</li> <li>FIXTURE SUPPORT: JAY R. SMITH MODEL 0636</li> </ul>
URN-2 (A.D.A.)		AMERICAN STANDARD WASHBROOK FLOWISE 05 HIGH EFFICIENCY URINAL	AMERICAN STD. MODEL 655.005	INTER-GRAL	2"	1 1/2"	3/4"	—	<ul style="list-style-type: none"> <li>FLUSHOMETER VALVE: SLOAN ROYAL MODEL FLUSHOMETER MODEL 130-15</li> <li>WALL BOX: SLOAN MODEL UB-1-A</li> <li>FIXTURE SUPPORT: JAY R. SMITH MODEL 0636</li> </ul>
LAV-1 (A.D.A.)		AMERICAN STANDARD LUCERNE WALL-HUNG LAVATORY	AMERICAN STD. MODEL 0355.012	—	1 1/2"	1 1/2"	1/2"	1/2"	<ul style="list-style-type: none"> <li>FAUCET: SYMONS MODEL S-60-H</li> <li>STOP VALVE: WATTS 889/890</li> <li>FIXTURE SUPPORT: JAY R. SMITH MODEL 0700</li> <li>WASTE WITH OPEN STRAINER: KEBNEY MANUFACTURING CO. P/N 5700FC</li> <li>HANDICAPPED PIPE INSULATION: PLUMBEREX HANDY-SHIELD MAXX</li> </ul>
MS-1		FIAT MOLDED-STONE MOP SERVICE BASIN - 24"x24"	FIAT MODEL M5B 7424	—	2"	1 1/2"	1 1/2"	1/2"	<ul style="list-style-type: none"> <li>FAUCET: FIAT SERVICE FAUCET MODEL 830-AA</li> <li>HOSE AND HOSE BRACKET - FIAT MODEL 832-AA</li> <li>MOP HANGER - FIAT MODEL 889-CC</li> <li>VINYL BUMPER GUARD: FIAT MODEL E-11-AA</li> </ul>
UF-1		BRADLEY TERREON WALL-HUNG QUADRA-FOUNT WASHFOUNTAINS	BRADLEY MODEL MF2349	—	1 1/2"	1 1/2"	1 1/2"	1/2"	<ul style="list-style-type: none"> <li>VALVE: BRADLEY MODEL TT - TOUCH TIME CONTROL</li> <li>COLOR: OAT</li> <li>"LSD" - LIQUID SOAP DISPENSER OPTION</li> </ul>
FD-1		JAY R. SMITH FLOOR DRAIN	JAY R. SMITH MODEL 2010C	—	2"	1 1/2"	1 1/2"	—	<ul style="list-style-type: none"> <li>ADJUSTABLE STRAINER</li> <li>4" DEEP SEAL TRAP</li> <li>TRAP PRIMER CONNECTION</li> </ul>
DF-1 (A.D.A.)		ELKAY LEVEL ADA WATER COOLER WITH WATER REFILLING STATION.	ELKAY MODEL LZ8TLBWSLK	—	1 1/2"	1 1/2"	1 1/2"	—	<ul style="list-style-type: none"> <li>COLOR: STAINLESS STEEL</li> <li>WITH WATER REFILLING STATION</li> <li>120V/1PH.</li> </ul>
TD-1		JAY R. SMITH 6" WIDE CHANNEL SLOPE PRECAST POLYMER CONCRETE FLOOR DRAIN	JAY R. SMITH MODEL 9814 (6 FT. LONG)	—	4"	4"	—	—	<ul style="list-style-type: none"> <li>HORIZONTAL OUTLET 4"</li> <li>4" DEEP SEAL TRAP</li> <li>TRAP PRIMER CONNECTION</li> <li>JAY R. SMITH MODEL 9810-450-86 - 3/4" x 1/2" STAINLESS STEEL GRATE</li> </ul>
HB-1		ZURN INTERIOR HOSE BIBB - ANTI-SIPHON, AUTOMATIC DRAINING ENCASED WALL HYDRANT.	ZURN Z-1330-C-CL	—	—	—	—	3/4"	<ul style="list-style-type: none"> <li>PROVIDE WITH CYLINDER LOCK.</li> </ul>
HB-2		ZURN EXTERIOR HOSE BIBB - ANTI-SIPHON, WALL HYDRANT, AUTOMATIC DRAINING & NON-FREEZE.	ZURN Z-1321-C-CW	—	—	—	—	3/4"	

Owner

**Division of Parks and Recreation**  
New Hampshire  
Department of Resources and Economic Development

Administrator

**Division of Public Works, Design and Construction**  
New Hampshire  
Department of Administrative Services

Civil Engineer / Landscape Architect / Surveyor

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Architect

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sdarchitects.com

Structural Engineer

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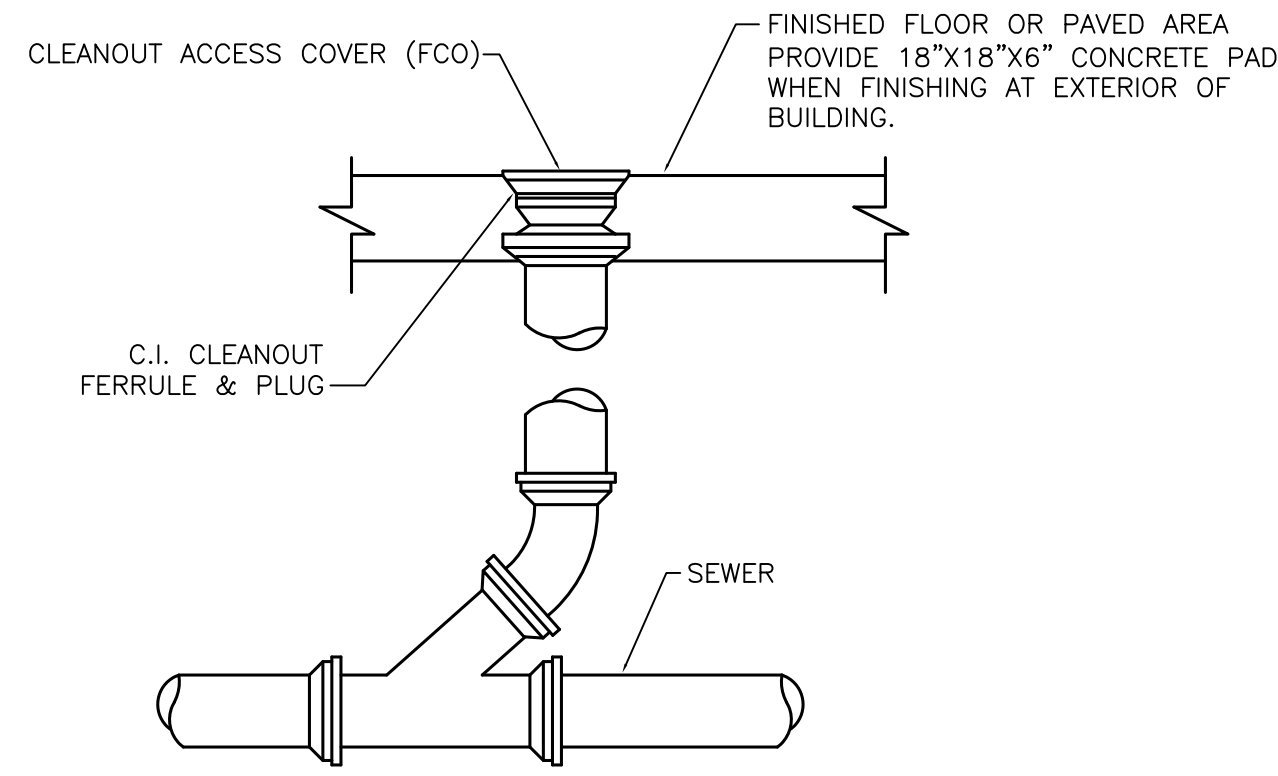
Mechanical, Electrical & Plumbing Engineer

Drawing Set Log

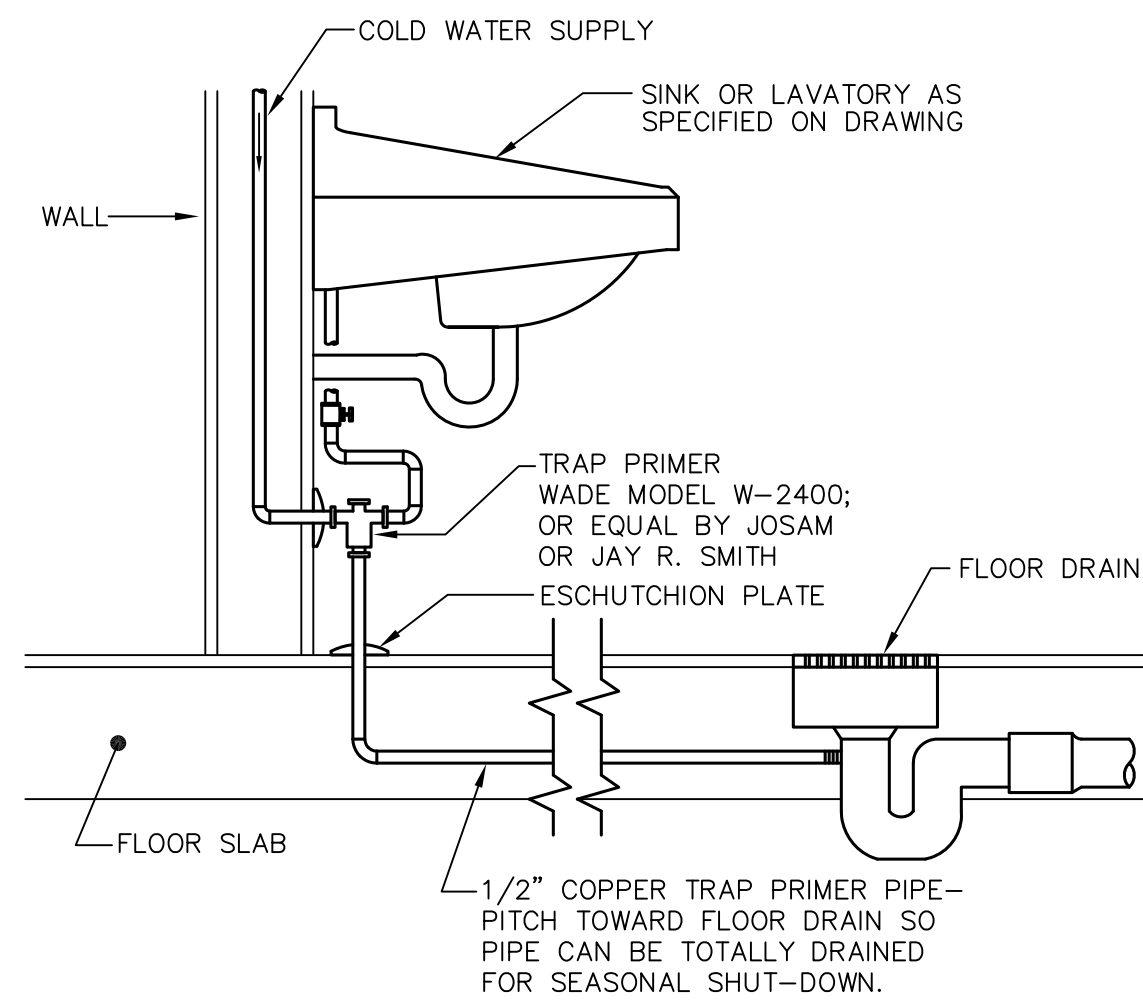
No.	Revision	Date	Appvd

Designed by C/PB Drawn by C/PB Checked by C/PB  
CAD checked by C/PB Approved by C/PB  
Scale AS NOTED  
Project Title and Location  
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STATE OF NEW HAMPSHIRE  
CHARLES P. BUCKLEY  
NO. 09198  
Professional Engineer  
Drawing Title  
**PLUMBING SYMBOLS, NOTES AND SCHEDULES**  
Drawing Number  
**P-1**

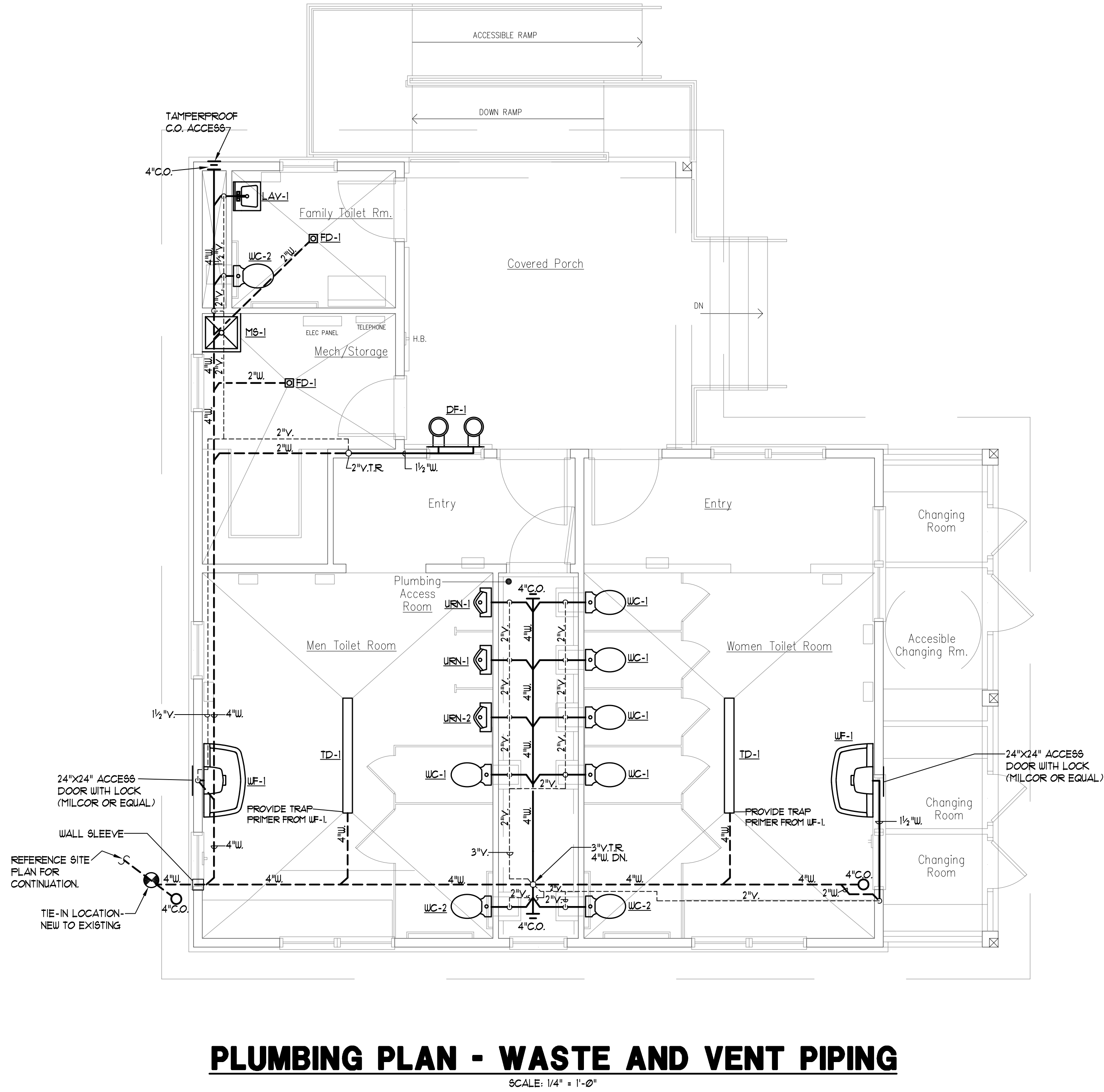




**CLEANOUT DETAIL**  
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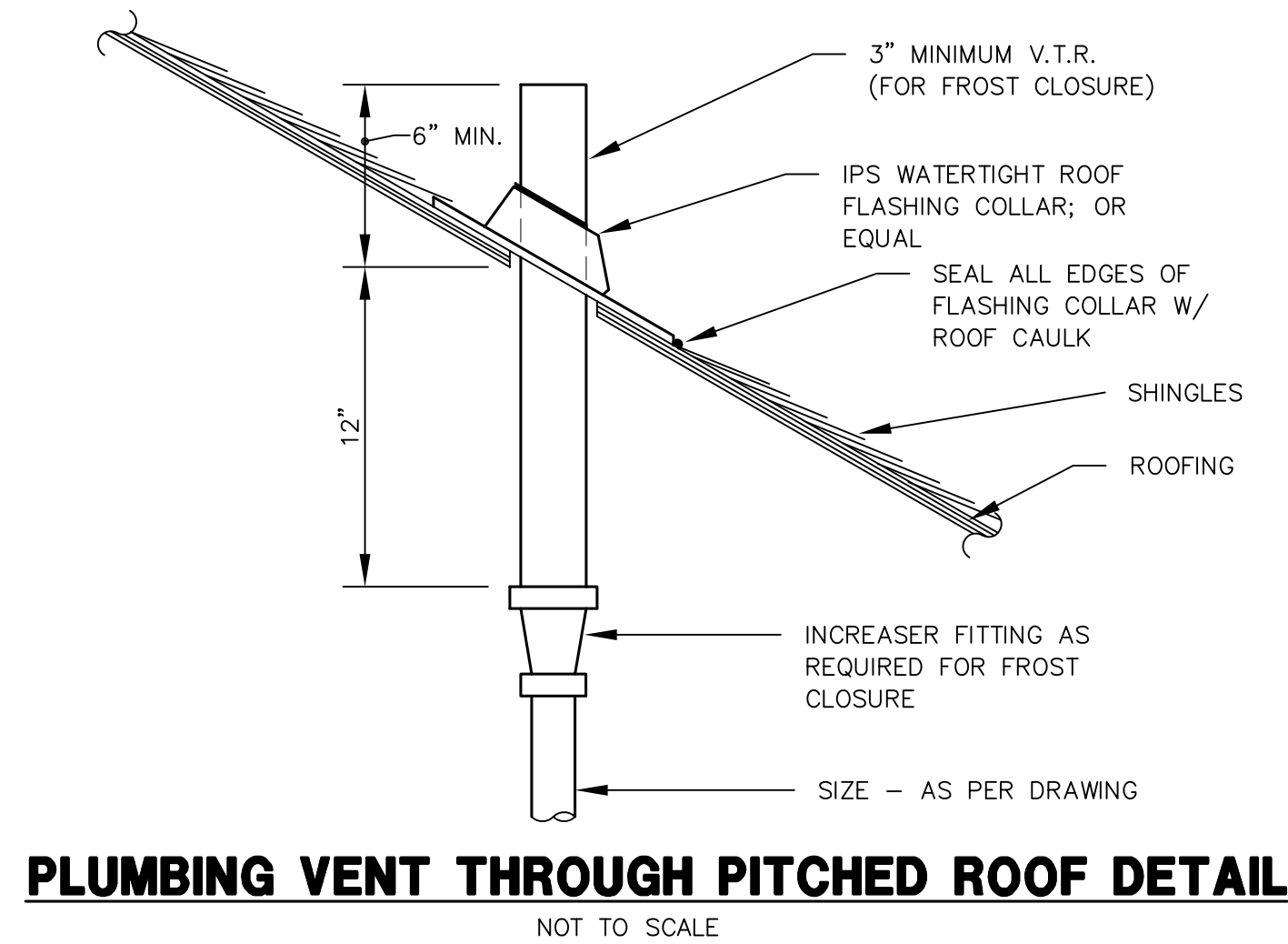
**FLOOR DRAIN TRAP PRIMER DETAIL**  
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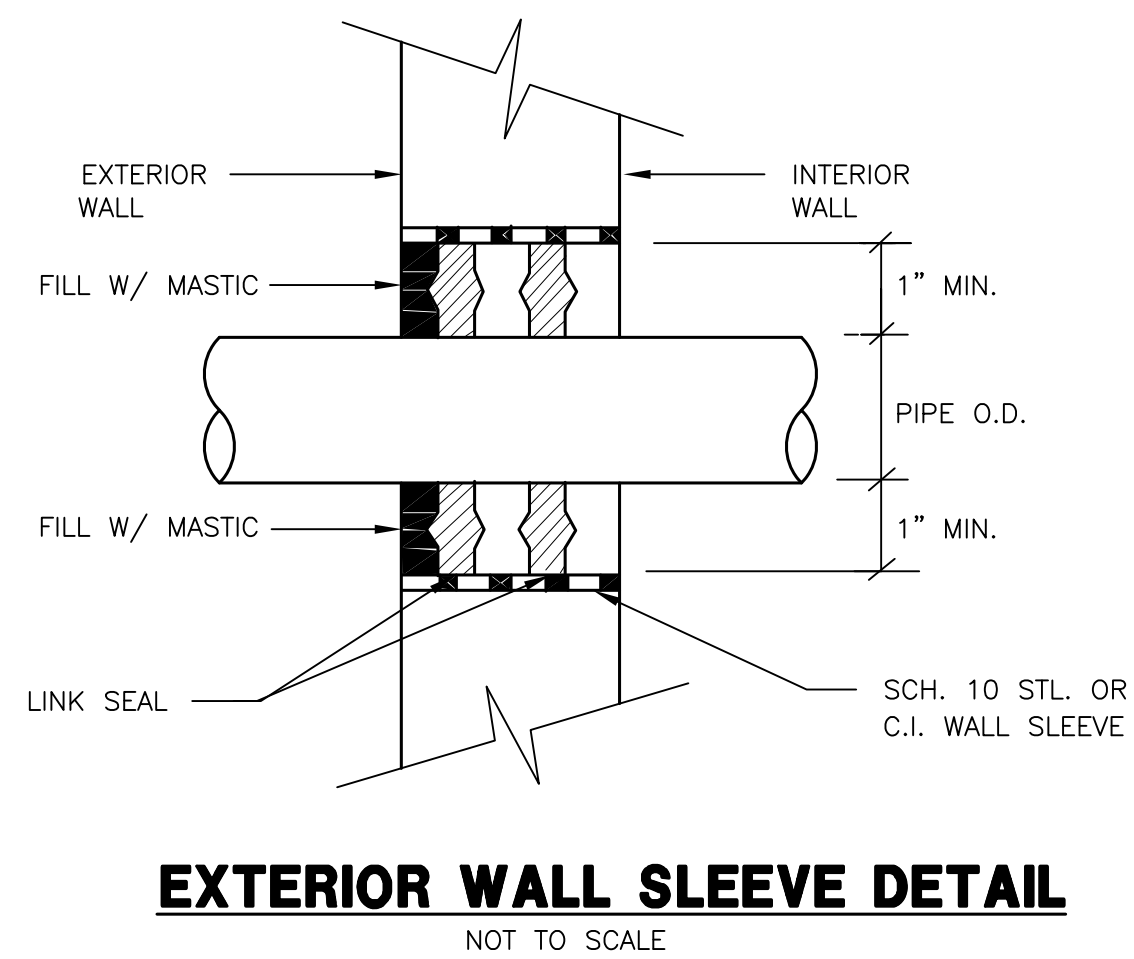
**PLUMBING PLAN - WASTE AND VENT PIPING**  
SCALE: 1/4" = 1'-0"

**SHEET NOTES**

① VENT PIPING IN THE PLUMBING ACCESS ROOM SHALL BE INSTALLED SO AS NOT TO OBSTRUCT WORKER PASSAGE DOWN THE LENGTH OF THE PLUMBING CHASE.

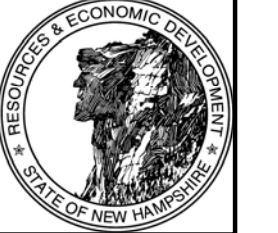


**PLUMBING VENT THROUGH PITCHED ROOF DETAIL**  
NOT TO SCALE



**EXTERIOR WALL SLEEVE DETAIL**  
NOT TO SCALE

Owner




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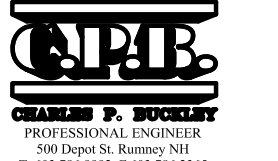
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Drawing Set Log

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Project Title and Location

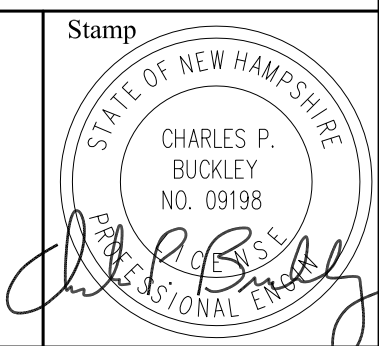
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Project Number: NHPBW - 80877B

Stamp



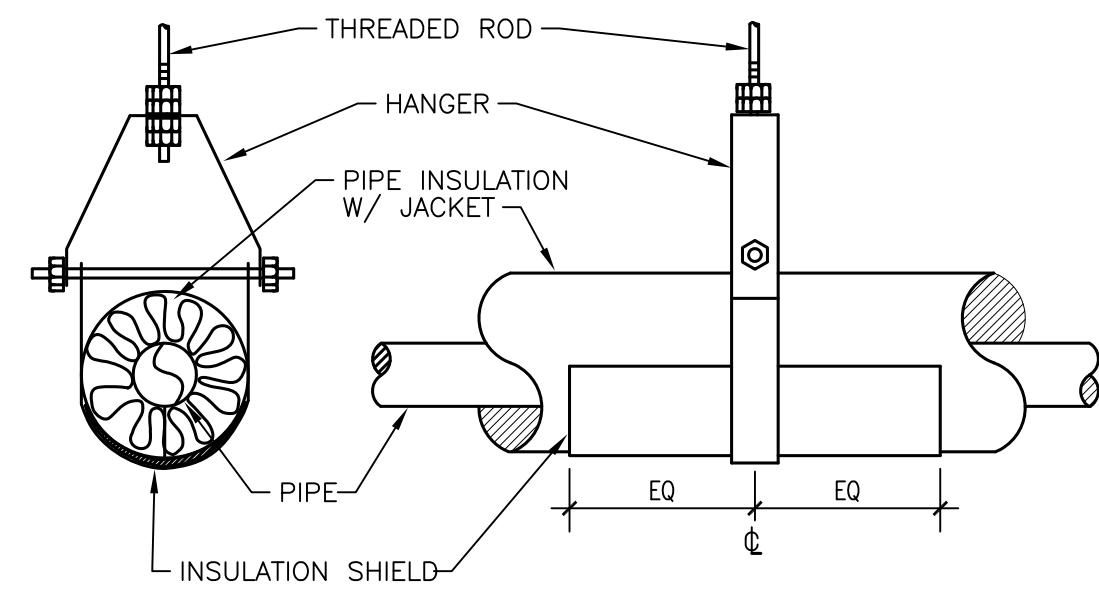
Drawing Title

**PLUMBING PLAN- WASTE & VENT PIPING & DETAILS**

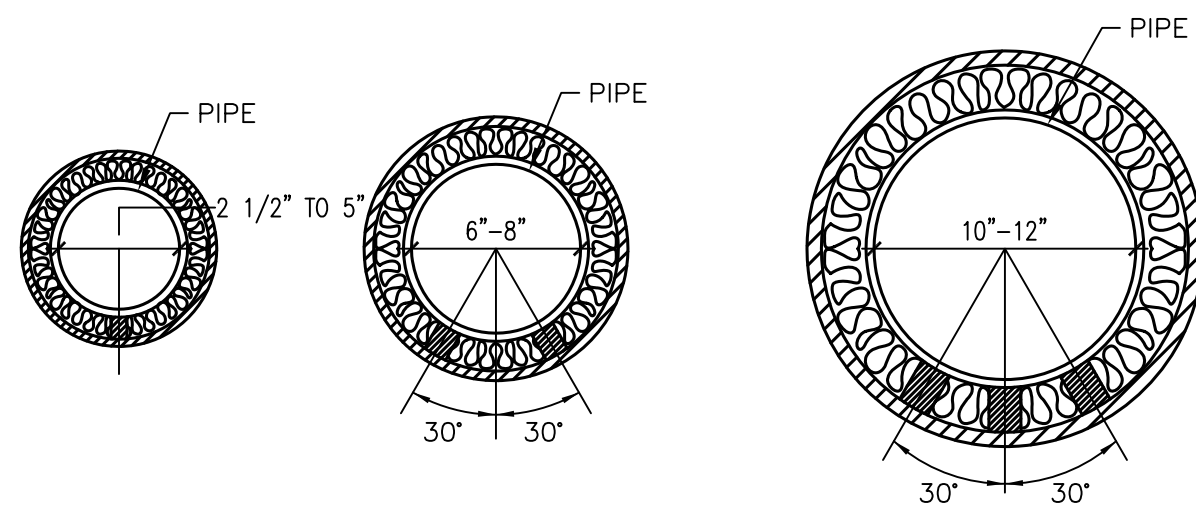
Drawing Number

**P-2**



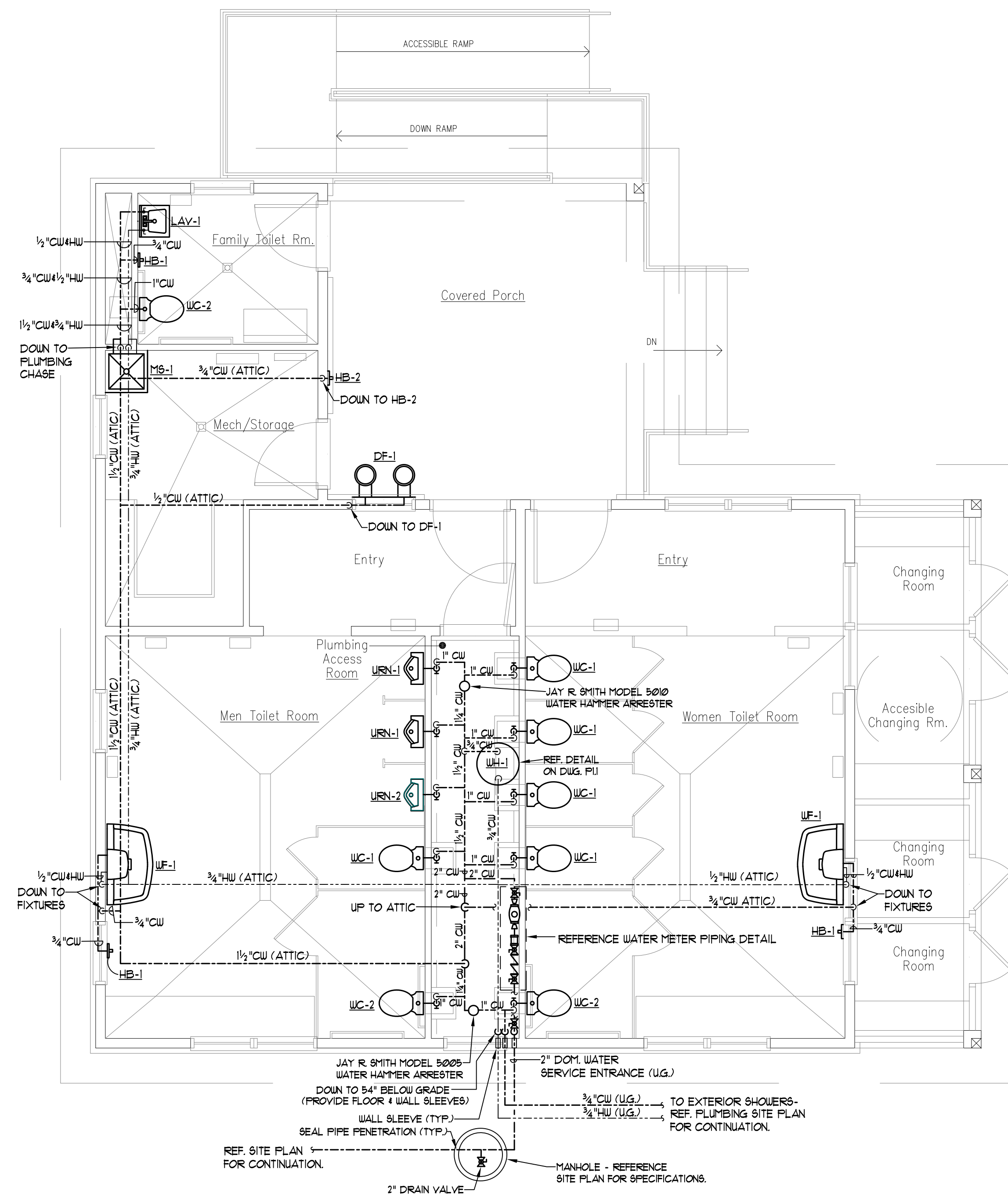


Insulated Piping Support Assembly



INSULATED PIPING SUPPORT ASSEMBLIES DETAIL

NOT TO SCALE



PLUMBING PLAN - DOMESTIC WATER PIPING

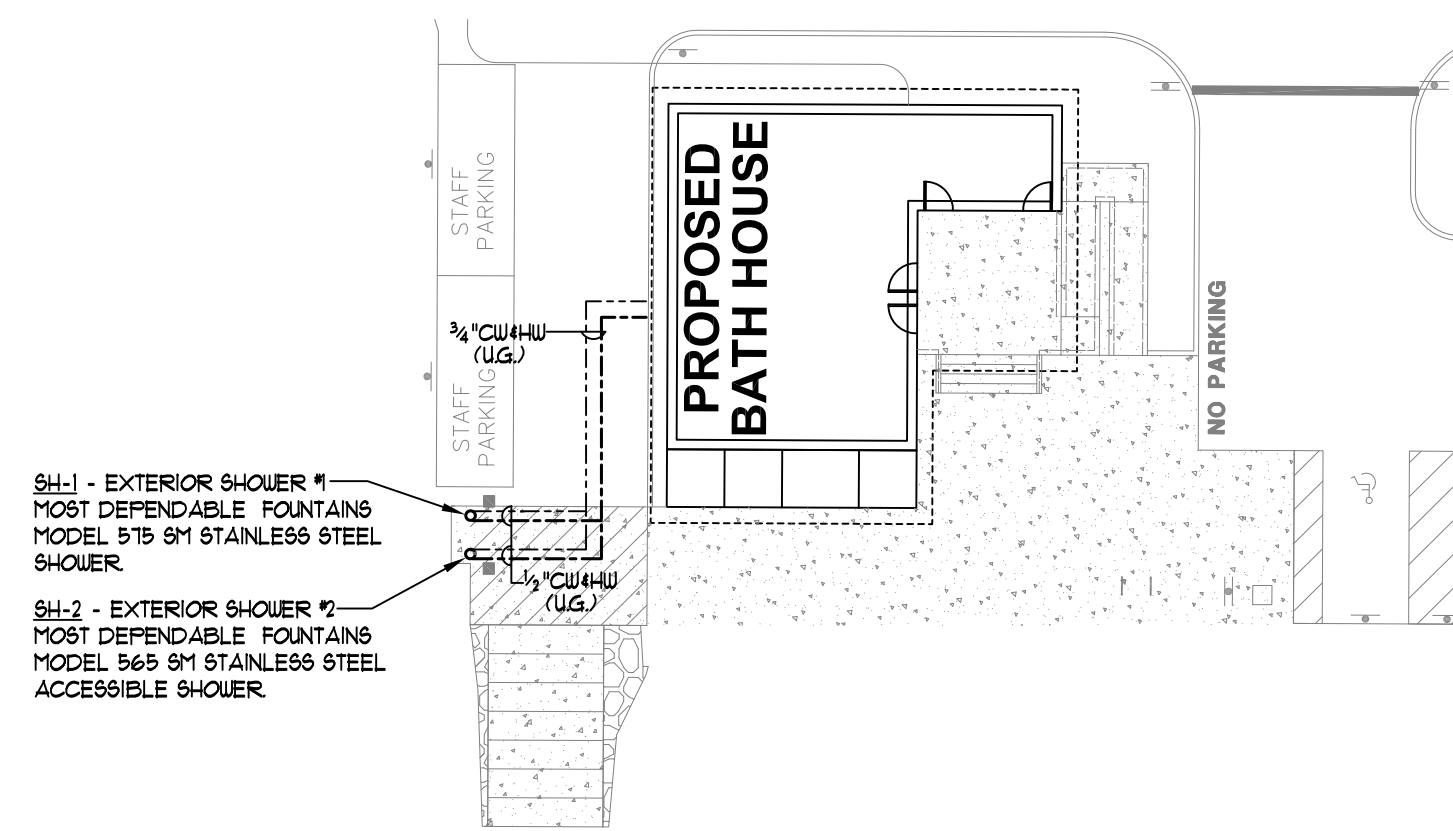
SCALE: 1/4" = 1'-0"

**SHEET NOTES**

- VENT PIPING IN THE PLUMBING ACCESS ROOM SHALL BE INSTALLED SO AS NOT TO OBSTRUCT WORKER PASSAGE DOWN THE LENGTH OF THE PLUMBING CHASE.
- PROVIDE INDIVIDUAL SHUT-OFF VALVES FOR EACH PLUMBING FIXTURE FOR THE TOILETS AND URINALS. LOCATE THE SHUT-OFFS IN THE PLUMBING ACCESS ROOM, WHERE POSSIBLE, USE BALL VALVES FOR THE SHUT-OFF VALVES.

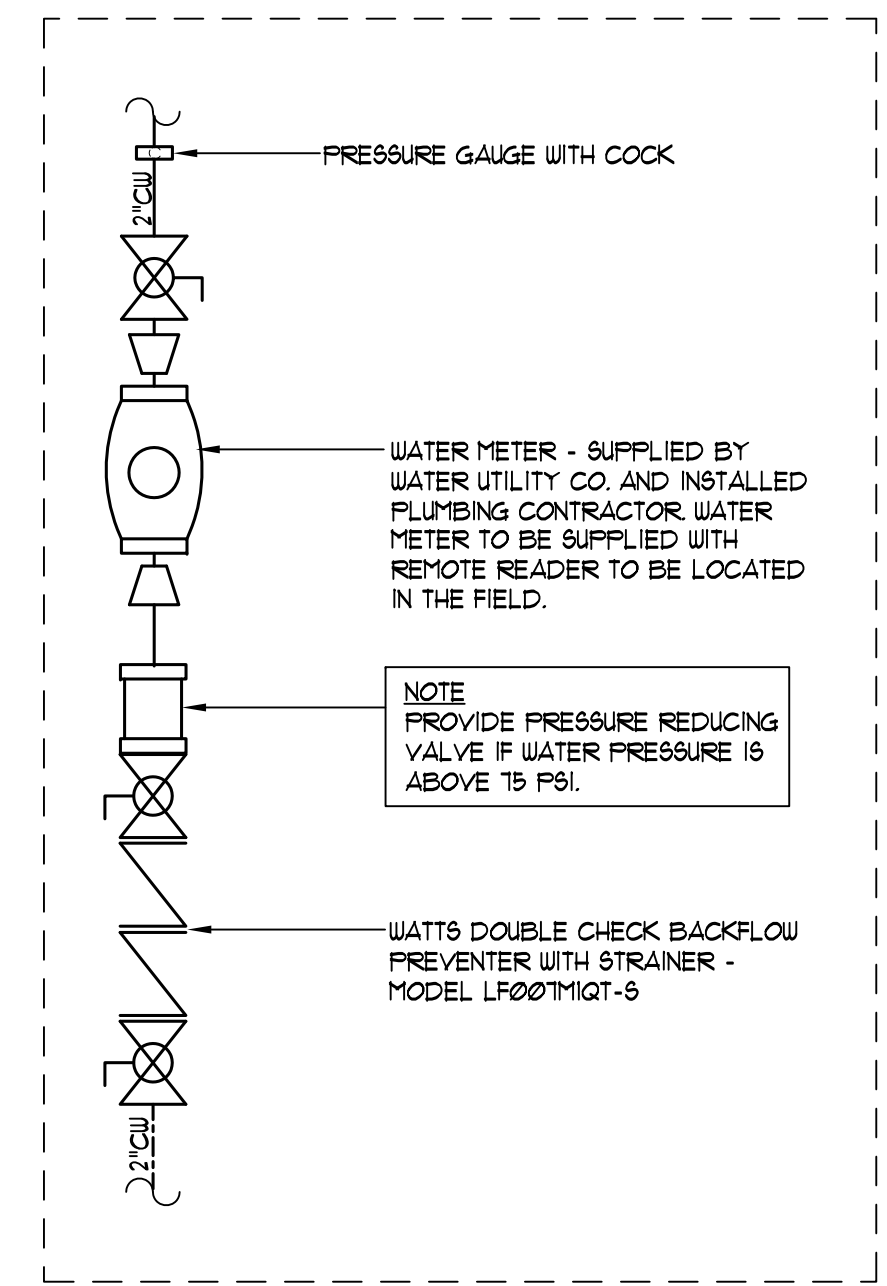
**SEASONAL DRAIN DOWN**

ALL WATER PIPING SHALL BE INSTALLED SO AS FACILITATE SEASONAL DRAIN DOWN OF THE BUILDING'S WATER SYSTEMS. ALL PIPES SHALL BE PITCHED TO DRAIN BACK TO ACCESSIBLE LOW POINTS WHICH SHALL BE FITTED WITH BOILER DRAIN TYPE TAPS. THERE SHALL BE NO DIPS OR LOW POINTS IN THE WATER SYSTEM PIPING WITHOUT ACCESSIBLE DRAIN BACK TAPS.



PLUMBING SITE PLAN

SCALE: 1" = 20'-0"



ENLARGED WATER METER PIPING DETAIL

SCALE: 1" = 1'-0"

Owner



Division of Parks and Recreation  
New Hampshire  
Department of Resources and Economic Development

Administrator

Division of Public Works, Design and Construction  
New Hampshire  
Department of Administrative Services

Civil Engineer / Landscape Architect / Surveyor



2 Bedford Farms Drive  
Suite 200  
Bedford, NH 03110  
603.391.3900

Architect

SAMYN - D'ELIA ARCHITECTS, P.A.

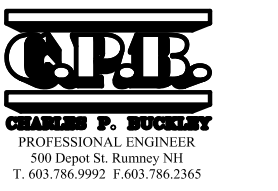
20 Main Street, Ashland, NH 03217  
(603) 968-7133 / fax: (603) 968-3057  
sdarchitects.com

Structural Engineer



500 Commercial Street  
Manchester NH 03101

Mechanical, Electrical & Plumbing Engineer



Drawing Set Log

No.	Revision	Date	Appvd

Designed by CPB Drawn by CPB Checked by CPB  
CAD checked by CPB Approved by CPB  
Scale AS NOTED

Project Title and Location  
Jenness Bathhouse Replacement  
and Parking Lot Improvements

2280 Ocean Boulevard  
Rye, New Hampshire 03870

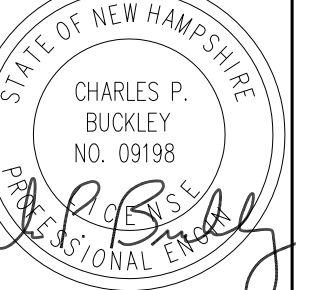
Issued for

Construction Documents  
ISSUED: June 30, 2016

Project Number

NHBPW - 80877B

Stamp



Drawing Title

PLUMBING PLAN -  
DOM. WATER  
PIPING &  
DETAILS

Drawing Number

P-3