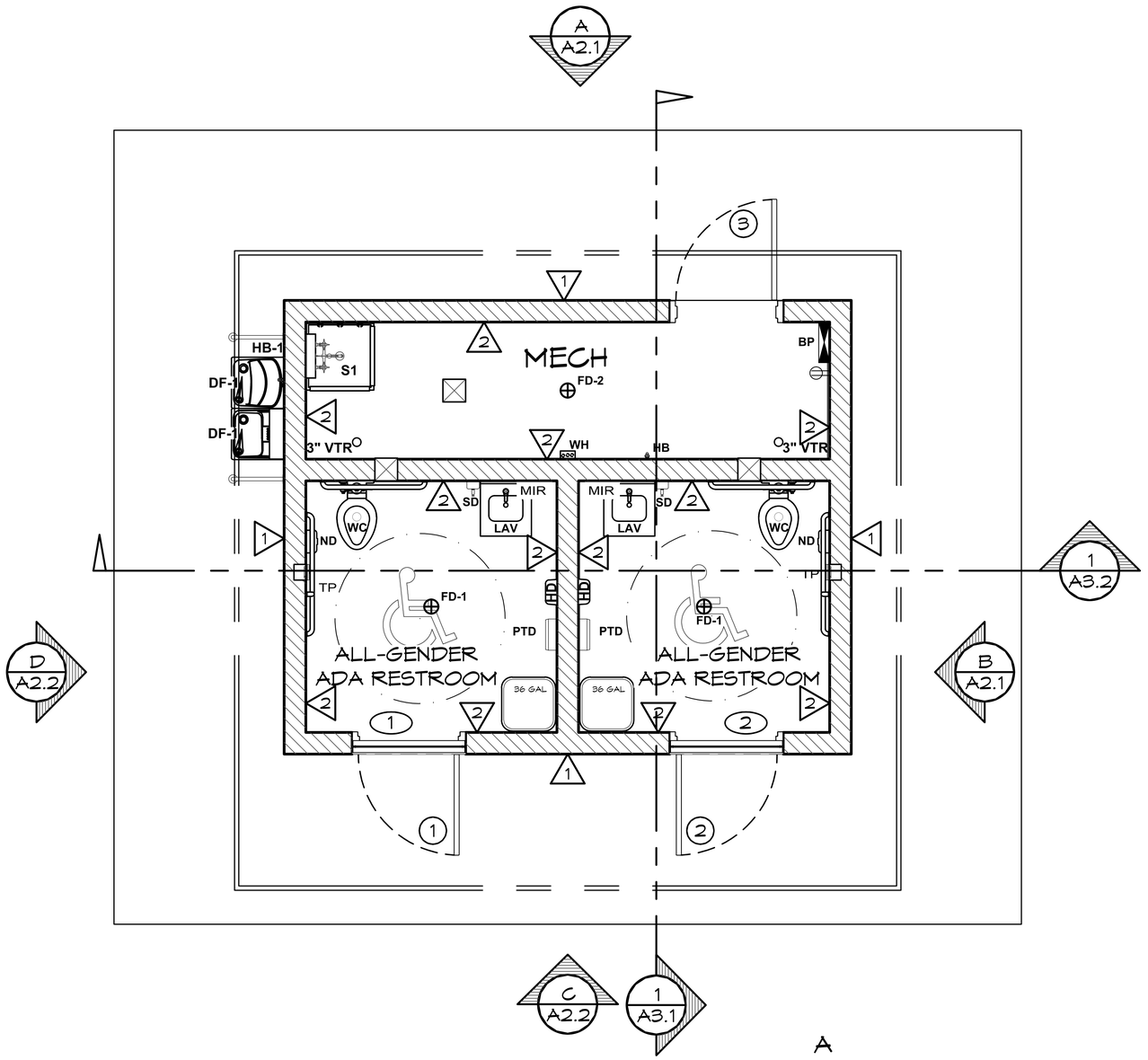
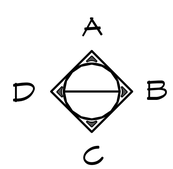


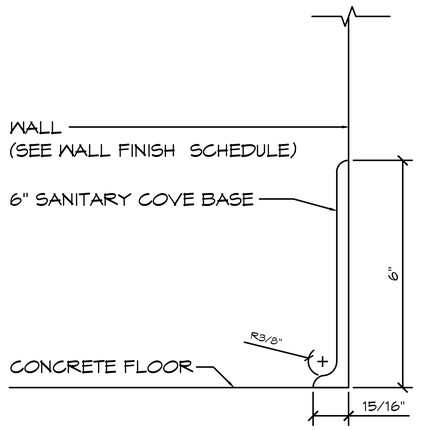
1 WALL FINISH PLAN

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



FINISH SCHEDULE

NO.	LOCATION	FINISH	DETAIL
1	EXTERIOR WALL	8" SPLIT FACE REINFORCED CONCRETE MASONRY BLOCK WALL W/ MORTAR JOINTS, GROUTED SOLID ALL CELLS RUNNING BOND PATTERN.	
2	INTERIOR WALL	PRIMED & (2) COATS OF EPOXY PAINT CMU WALLS FLOOR TO CEILING (INSTALLER SUPPLIED)	
	CEILING	2X6 T&G & GLULAMS TO BE SEALED WITH CLEAR COAT (INSTALLER SUPPLIED)	
	FLOOR	CONCRETE WITH A WATER BASED CONCRETE SEALER (PROVIDED BY INSTALLER)	
	COVE BASE IN RESTROOMS ONLY	SANITARY TILE COVE BASE	DETAIL 2/A4.1



2 COVE DETAIL

SCALE: 3" = 1'-0"

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PROJECT: 2022 SIERRA III COMPACT 16-8" W/ MECH RM
WEST CAMPUS
SACRAMENTO, CALIFORNIA

SHEET TITLE: WALL FINISH SCHEDULE (INTERIOR/EXTERIOR)

PLAN SET# WES01
DATE: 11/01/2023

REVISIONS

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3	02-15-2024	CR

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SHEET NO. A4.1

DOOR SCHEDULE

NO	SIZE (WxHxT)	DOOR	FRAME	SWING - DOOR / FRAME	HARD-WARE GROUP	REMARKS
1	36"x84"x1 3/4"	SL18	F16	INTERIOR RIGHT HAND (REVERSE) SWING OUT / LEFT HAND	DO~ 1	DOOR DETAIL 1a
2	36"x84"x1 3/4"	SL18	F16	INTERIOR LEFT HAND (REVERSE) SWING OUT / RIGHT HAND	DO~ 1	DOOR DETAIL 1a
3	36"x84"x1 3/4"	SL18	F16	INTERIOR LEFT HAND (REVERSE) SWING OUT / RIGHT HAND	DO~ 2	DOOR DETAIL 1b

DOOR HARDWARE SCHEDULE (QTYS PER DOOR)

GROUP DO-1	GROUP DO-2	
3	3	EACH HINGE 4.5" x 4.5" S.S. (NRP)
1	1	DOOR CLOSER, (USE THRU BOLT ANCHORING OPTION)
1	-	INTERCONNECTED LEVER LOCKSET W/ OCCUPANCY INDICATOR, HAGER - CORRIDOR - (KEY - OUTSIDE / PUSH BUTTON - INSIDE)
1	-	DEADBOLT LOCKSET, SCHLAGE C KEYWAY - ONE-WAY DEADBOLT LOCK, SATIN FINISH - (KEY - OUTSIDE / BLANK - INSIDE)
-	1	LEVER LOCKSET, HAGER - CLASSROOM - (KEY - OUTSIDE / ALWAYS OPEN - INSIDE)
-	1	LATCH GUARD - HAGER
6	6	WIRE DOOR CLIPS

NOTE: THE MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 5 POUNDS, WITH SUCH PULL OR PUSH EFFORT BEING APPLIED AT RIGHT ANGLES TO HINGED DOORS AND AT THE CENTER PLANE OF SLIDING OR FOLDING DOORS. WHEN FIRE DOORS ARE UTILIZED, THE MAXIMUM EFFORT TO OPERATE THE DOOR MAY BE INCREASED TO NOT EXCEED 15 POUNDS. SECTION 11B-404.2.9.

ALL DOOR ~ FACTORY PRIMED
(INSTALLER TO PAINT ONSITE)

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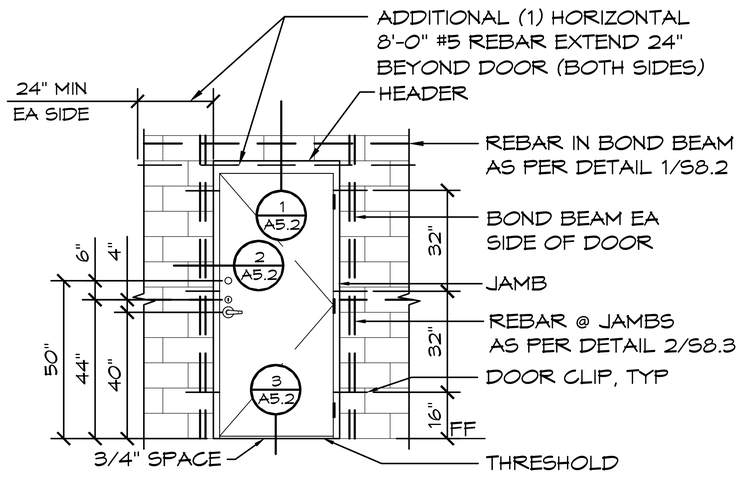
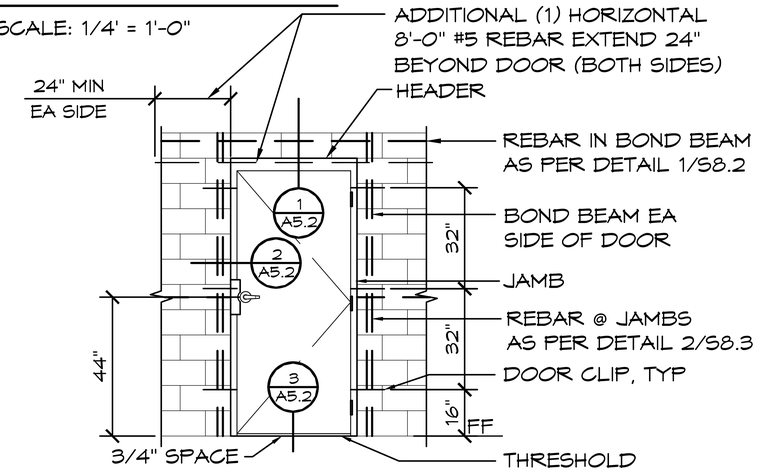


SHOWN EXTERIOR VIEW:
RIGHT HAND REVERSE BEVEL DOOR
(SWING OUT) LEFT HAND FRAME

1a DOOR DETAILS

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



SHOWN EXTERIOR VIEW:
RIGHT HAND REVERSE BEVEL DOOR
(SWING OUT) LEFT HAND FRAME

1b DOOR DETAILS

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

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SACRAMENTO, CALIFORNIA

SHEET TITLE: DOOR SCHEDULE

PLAN SET# WES01
DATE: 11/01/2023
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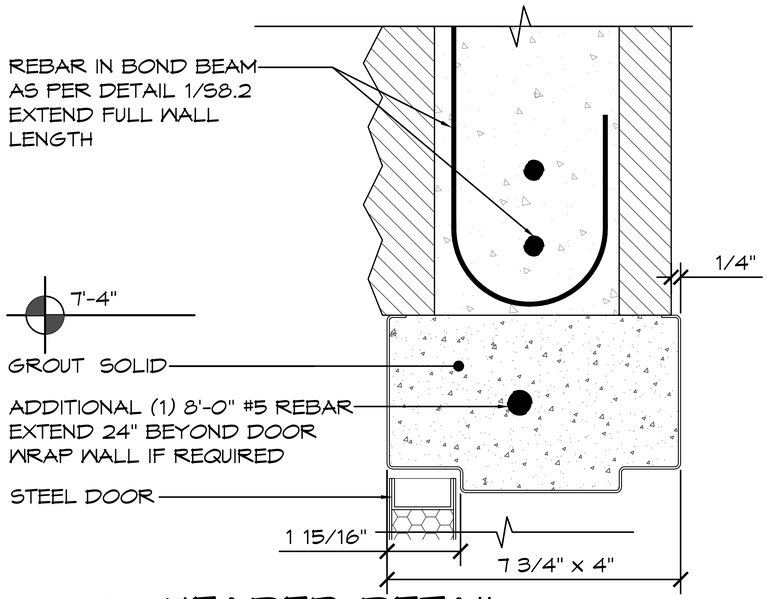
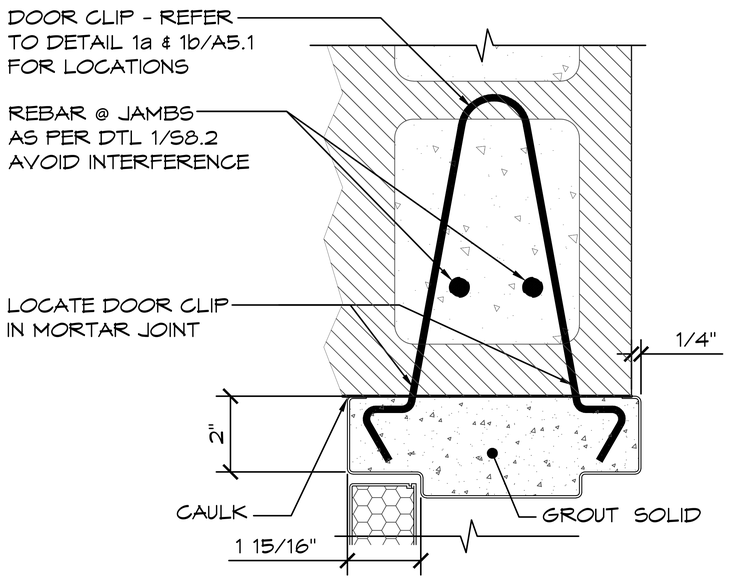
SHEET NO. A5.1



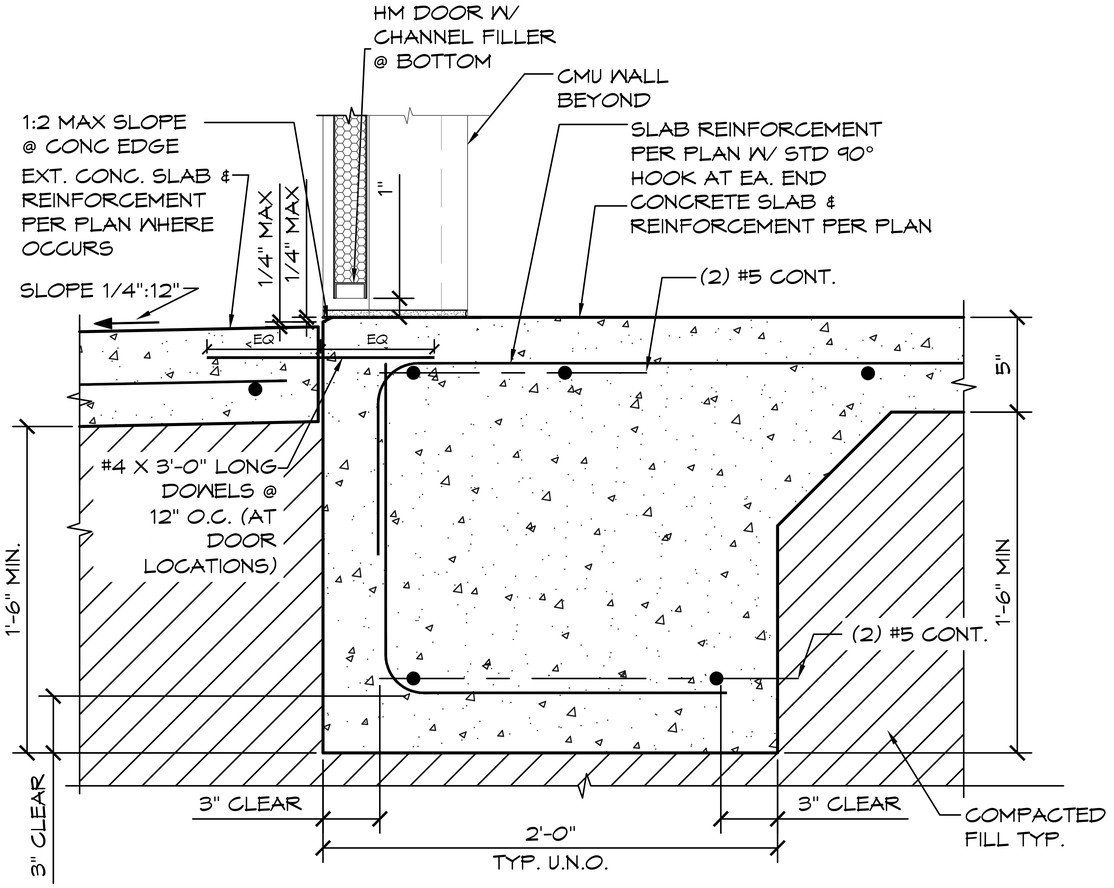
1 HEADER DETAIL

SCALE: 6" = 1'-0"



2 JAMB DETAIL

SCALE: 3" = 1'-0"



3 THRESHOLD DETAIL

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

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PROJECT: 2022 SIERRA II COMPACT 16-8" W/ MECH RM
WEST CAMPUS
SACRAMENTO, CALIFORNIA

SHEET TITLE: DOOR DETAILS

PLAN SET# WES01

DATE: 11/01/2023

REVISIONS

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2	12-07-2023	CR
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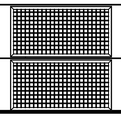
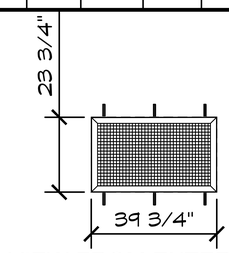
SHEET NO. A5.2

VENT AND/OR WINDOW SCHEDULE

NO	DIMENSIONS	PITCH	INSERT	ROMTEC PRODUCTION #	DIRECTION PER PRODUCTION	FASTENERS SILL	FASTENERS TOP	FASTENERS HYP	REFERENCE / DETAILS
1	39 3/4" x 23 3/4"	N/A	WIRE MESH	PRODUCTION # XW-000-1025		3	3	-	STEEL FRAME
2	39 3/4" x 23 3/4"	N/A	WIRE MESH	PRODUCTION # XW-000-1025		3	3	-	STEEL FRAME

HARDWARE (QUANTITY PER SCHEDULE)

SILL	1/2" x 4"	TITEN HD SCREW (ICC-ES ESR-1056)
TOP	1/2" x 4"	TITEN HD SCREW (ICC-ES ESR-1056)



VIEW FROM EXTERIOR

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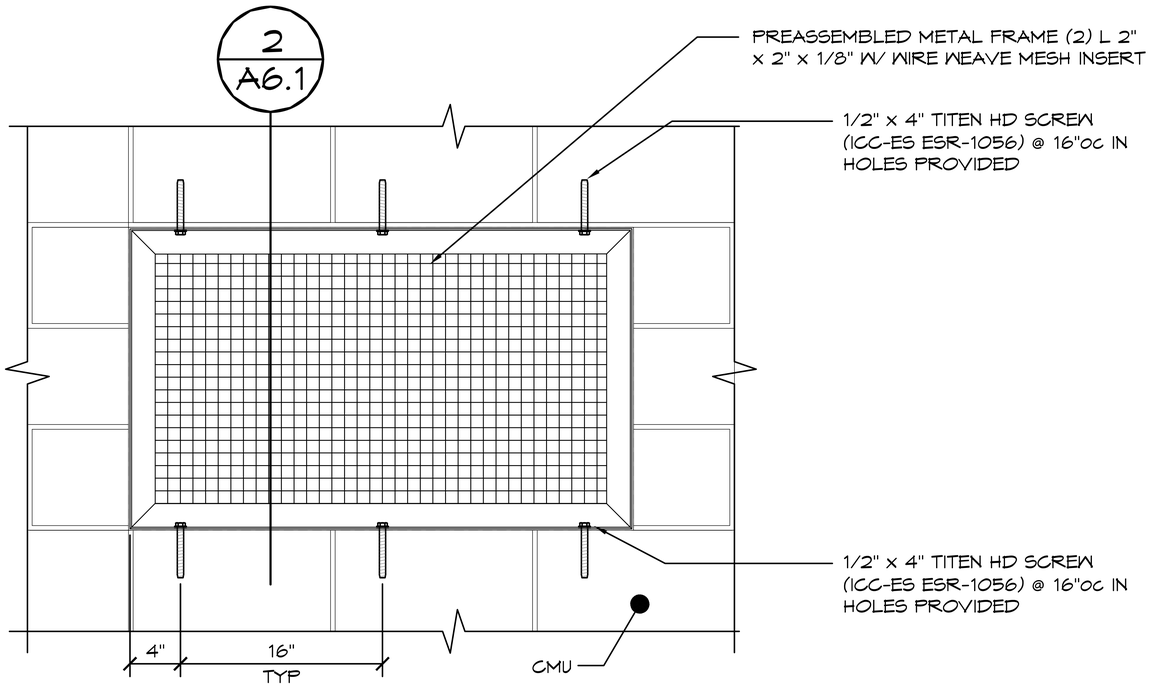
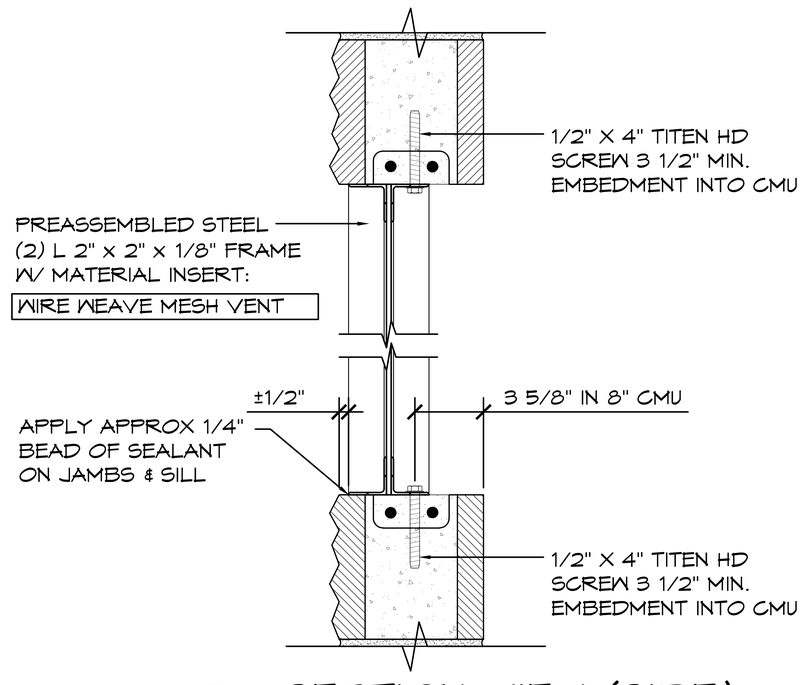
NOTE: DURING THE CONSTRUCTION PROCESS IT IS COMMON FOR SMALL GAPS TO APPEAR IN ANY NUMBER OF PLACES. ROMTEC DOES NOT PROVIDE CAULK OR ANY OTHER MATERIAL TO FILL THESE SMALL GAPS UNLESS IT IS SPECIFIED IN OUR SUBMITTAL



1 VENT DETAIL

SCALE: 1" = 1'-0"



2 SECTION VIEW (SIDE)

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

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SHEET TITLE: VENT SCHEDULE & DETAILS

PLAN SET# WES01
DATE: 11/01/2023
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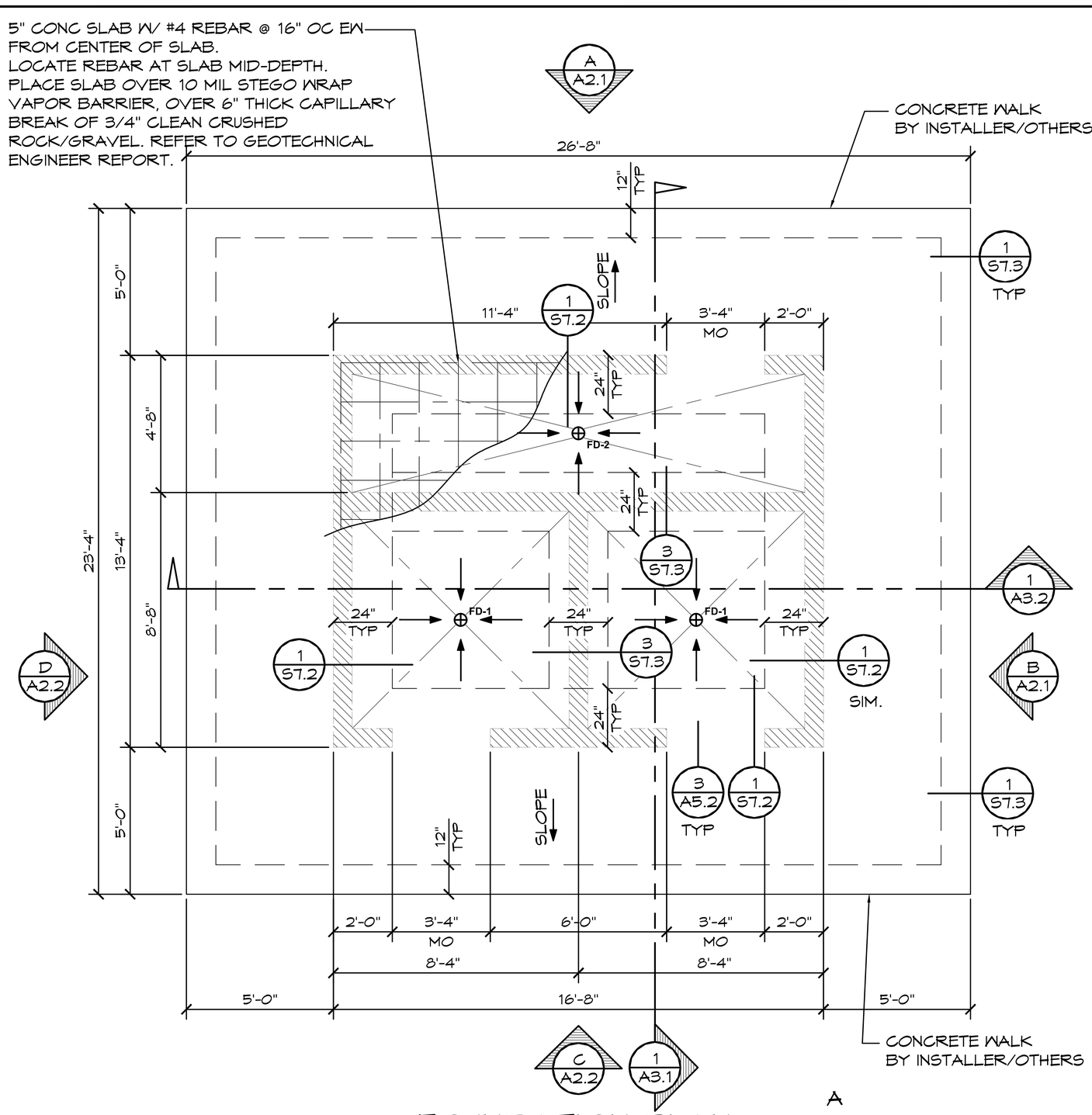
SHEET NO. A6.1



1 FOUNDATION PLAN

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

A
D B
C

WALL TYPE SCHEDULE

8" REINFORCED CONCRETE MASONRY BLOCK WALL WITH MORTAR JOINTS, GROUTED SOLID ALL CELLS RUNNING BOND PATTERN.

FINISH SLAB WITH A WATER BASED CONCRETE SEALER (PROVIDED BY INSTALLER)

RECYCLE

RECYCLE ALL USED SHIPPING MATERIALS AND LEFT OVER BUILDING MATERIALS

NOTES:

CONCRETE:

1. FINISH FLOOR SLOPE IS 2% (1/4" PER FT) MAX & 1% (1/8" PER FT) MIN
2. PROVIDE BLOCK-OUTS FOR PLUMBING, MECHANICAL, & ELECTRICAL AS REQD. CO-ORDINATE W/ SUBS.
6. SAW JOINTS BY CONTRACTOR. SLAB APPEARANCE IS A PRIORITY. LOCATE JOINTS AT 10' O.C. MAX. SEE 2/S7.3.
11. CONCRETE SLAB BENEATH FLOOR MOUNTED FIXTURES IS TO BE GROUTED LEVEL AND SMOOTH.

MASONRY:

12. PROVIDE BLOCK-OUTS FOR PLUMBING, MECHANICAL, & ELECTRICAL AS REQD. CO-ORDINATE W/ SUBS.
13. CONSOLIDATE GROUT AT THE TIME OF PLACEMENT. CONSOLIDATE POURS EXCEEDING 12 IN. IN HEIGHT BY MECHANICAL VIBRATION, AND RECONSOLIDATE BY MECHANICAL VIBRATION AFTER INITIAL WATER LOSS AND SETTLEMENT HAS OCCURRED. CONSOLIDATION AND RECONSOLIDATION ARE NORMALLY ACHIEVED WITH A MECHANICAL VIBRATOR. A LOW VELOCITY VIBRATOR WITH A 3/4 IN. HEAD IS USED.
14. GROUT SLUMP IS TO BE BETWEEN 9" +/- 1" SLUMP.

SOIL PREP.:

15. MAXIMUM SLOPE OF EXCAVATION MAY BE LIMITED BY LOCAL SOIL CONDITIONS. INCREASE DEPTH OF FORMED CONCRETE AS REQD. REFER TO GEOTECHNICAL REPORT.
16. UNDER FOOTINGS: UNDISTURBED NATIVE SOIL OR 12" FILL COMPACTED TO 90% ASTM D 1557 TO MEET OR EXCEED ALLOWABLE BEAR PRESSURE ON SHEET G2.
17. REFER TO GEOTECHNICAL REPORT FOR SOILS SUBGRADE PREPARATION RECOMMENDATIONS.

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WEST CAMPUS
SACRAMENTO, CALIFORNIA
SHEET TITLE: FOUNDATION PLAN

PLAN SET# WES01
DATE: 11/01/2023

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2	12-07-2023	CR
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4	02-27-2024	CR

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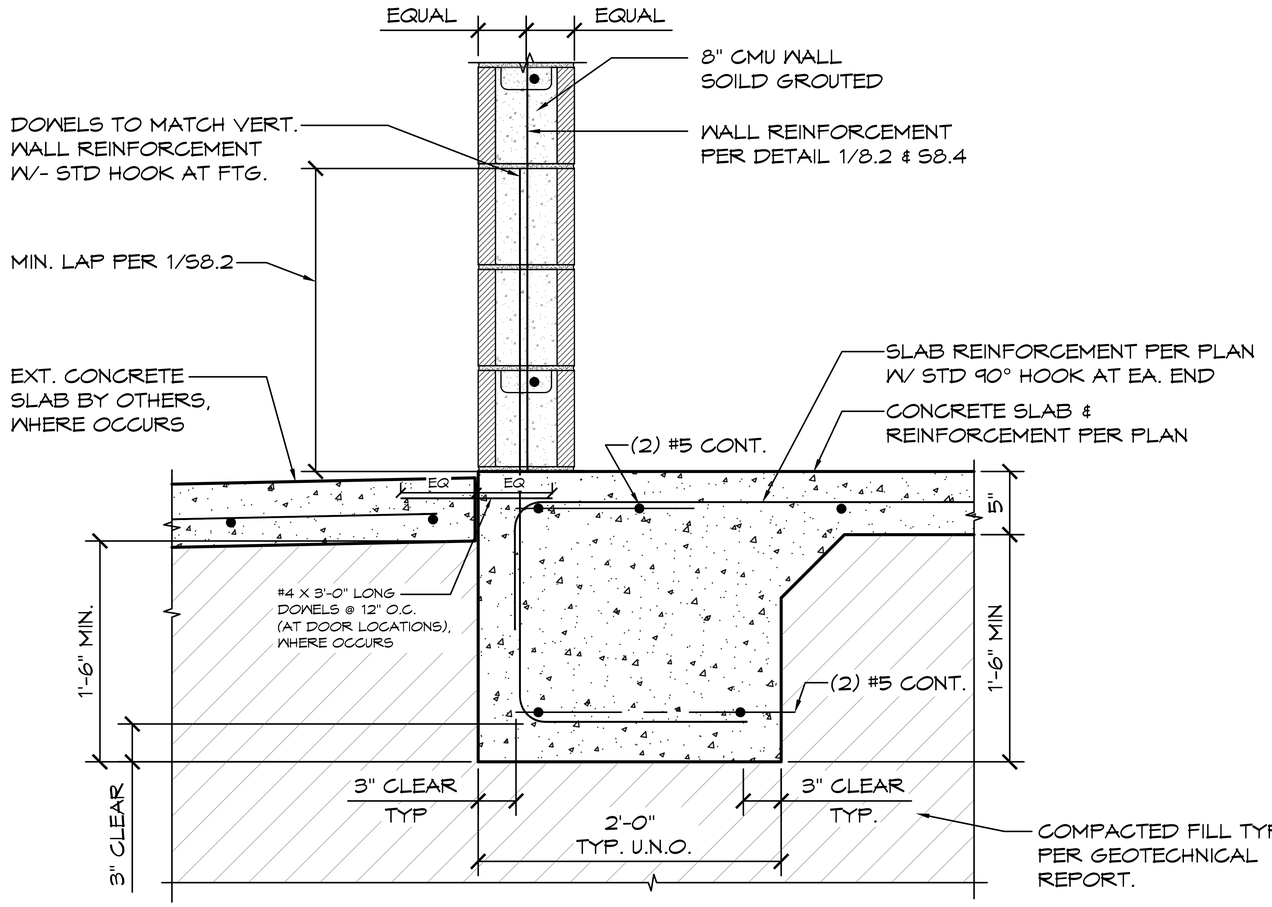
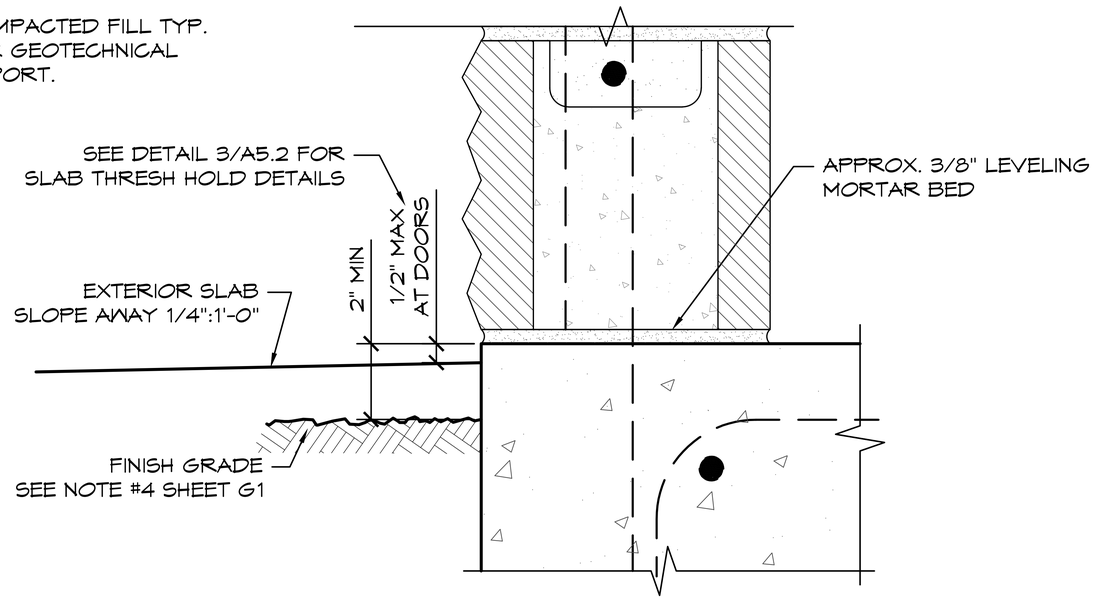


1 TYP. CMU WALL FTG

SCALE: 1" = 1'-0"



2 WALL-SLAB CONNECTION

SCALE: 3" = 1'-0"

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SHEET TITLE: FOUNDATION

PLAN SET# WES01
DATE: 11/01/2023

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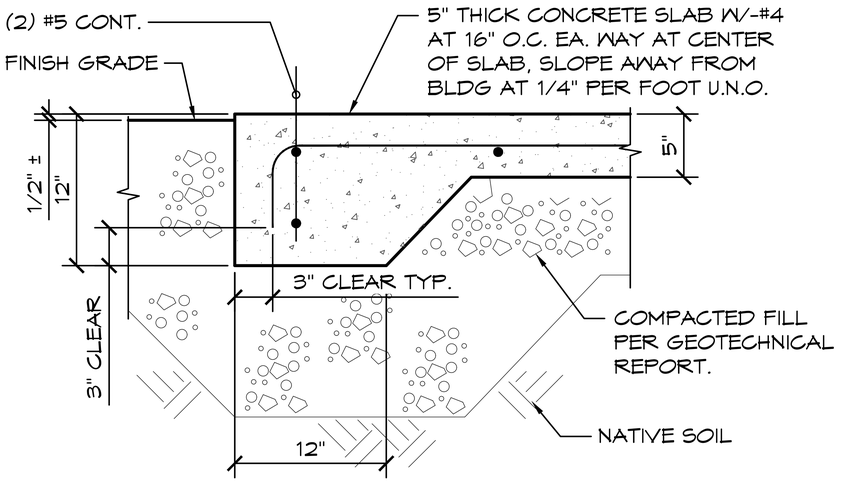
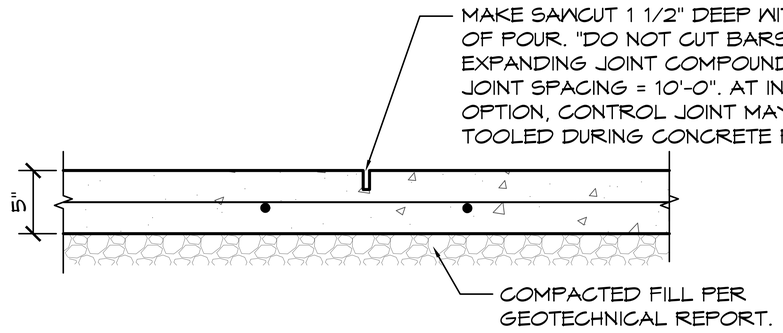
SHEET NO. S7.2



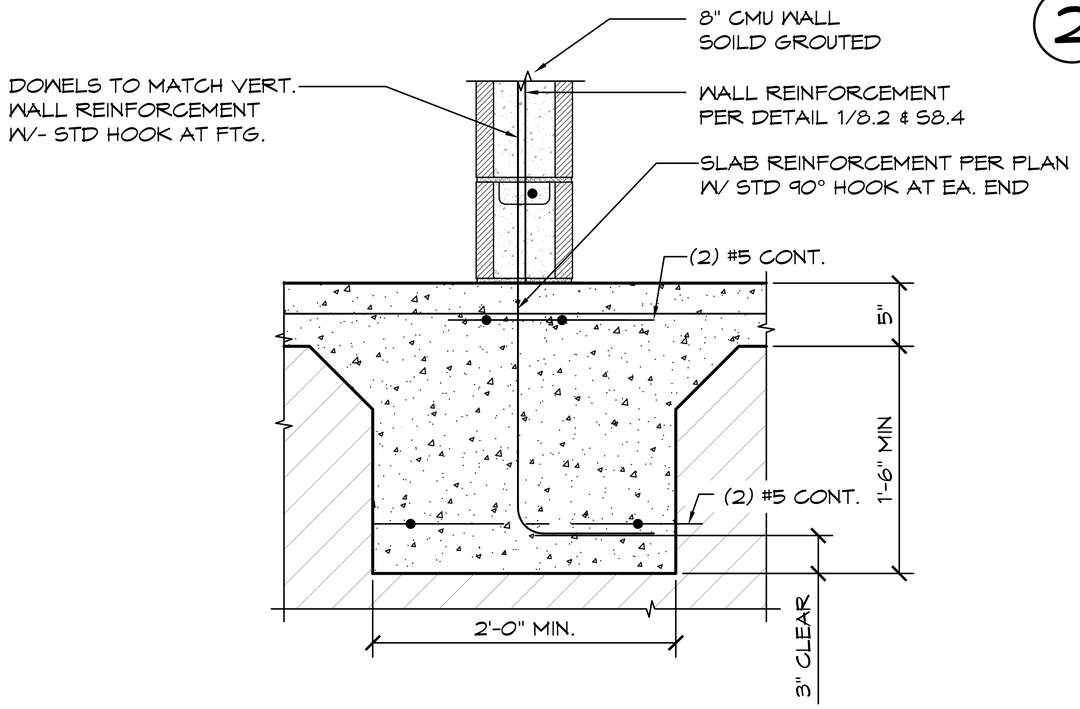
1 EDGE OF CONC SLAB

SCALE: 1" = 1'-0"



2 SAWCUT JOINT

SCALE: 1" = 1'-0"



3 TYP. INTERIOR CMU WALL FTG

SCALE: 1" = 1'-0"

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PROJECT: 2022 SIERRA || COMPACT 16'-8" W/ MECH RM
WEST CAMPUS
SACRAMENTO, CALIFORNIA

SHEET TITLE: FOUNDATION DETAILS

PLAN SET# WES01

DATE: 11/01/2023

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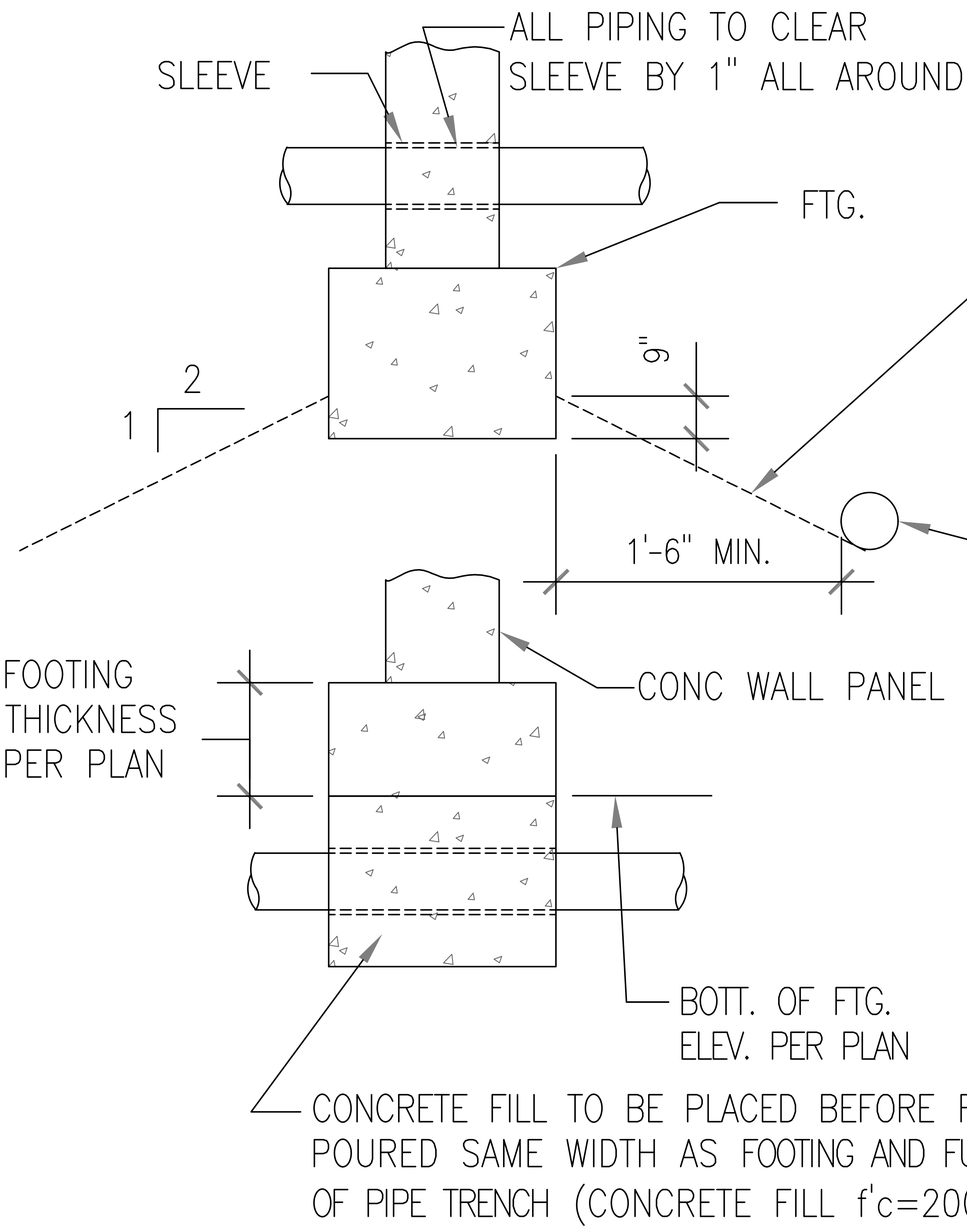
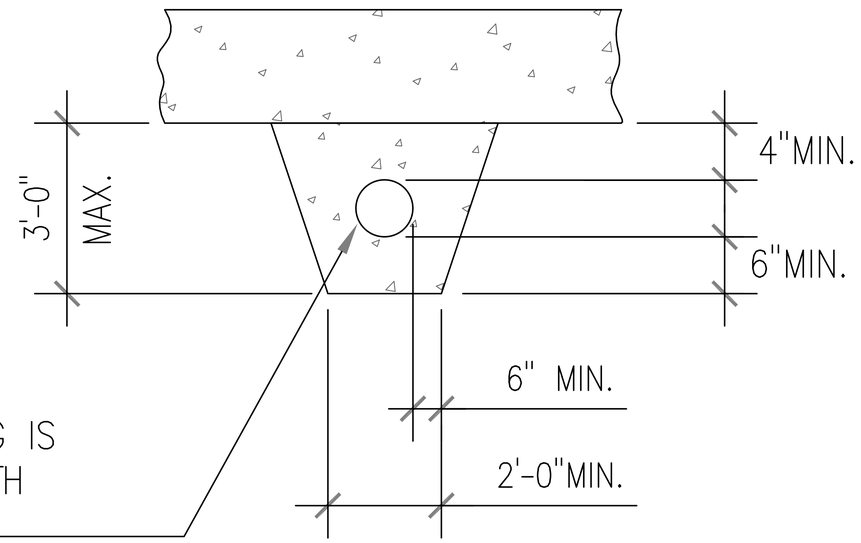
SHEET NO. S7.3



CONTRACTOR SHALL BE RESPONSIBLE FOR SHORING THE SIDES OF THE EXCAVATION PRIOR TO BACK FILLING



1 PIPES UNDER FOOTING DETAIL

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

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WEST CAMPUS
SACRAMENTO, CALIFORNIA

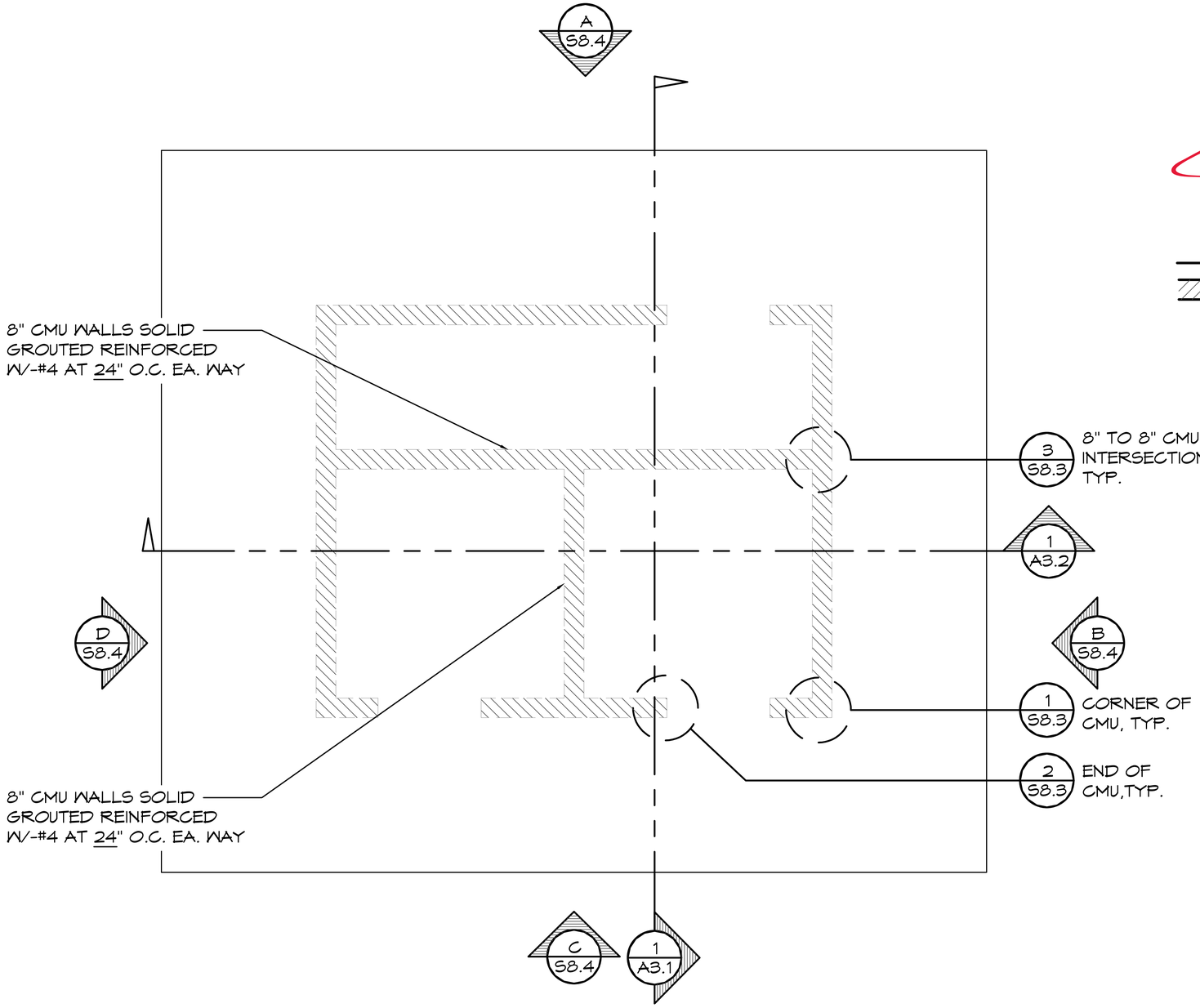
SHEET TITLE: FOUNDATION DETAILS

PLAN SET# WES01
DATE: 11/01/2023
REVISIONS

REV.	DATE:	BY

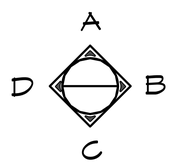
DRAWN BY: CR

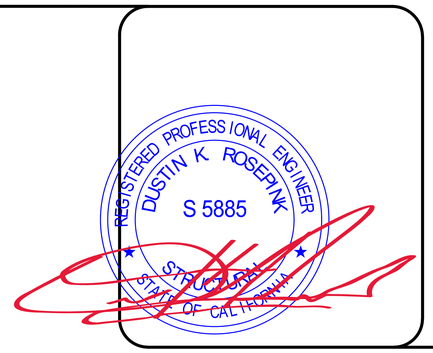
SHEET NO. S7.4



1 STRUCTURAL CMU PLAN

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





WALL TYPE SCHEDULE

8" REINFORCED CONCRETE MASONRY BLOCK WALL WITH MORTAR JOINTS, GROUTED SOLID ALL CELLS RUNNING BOND PATTERN.

NOTE:
FIXTURES AND ACCESSORIES ARE DIMENSIONED ON A1.3

THE CMU BLOCK LAYOUT SHALL BE PER THE BLOCK LAYOUT PLANS IN THE:
"FINAL"
ROMTEC SCOPE OF SUPPLY AND DESIGN SUBMITTAL

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PROJECT: 2022 SIERRA II COMPACT 16-8" W/ MECH RM
WEST CAMPUS
SACRAMENTO, CALIFORNIA
SHEET TITLE: STRUCTURAL CMU PLAN

PLAN SET# WES01
DATE: 11/01/2023

REVISIONS

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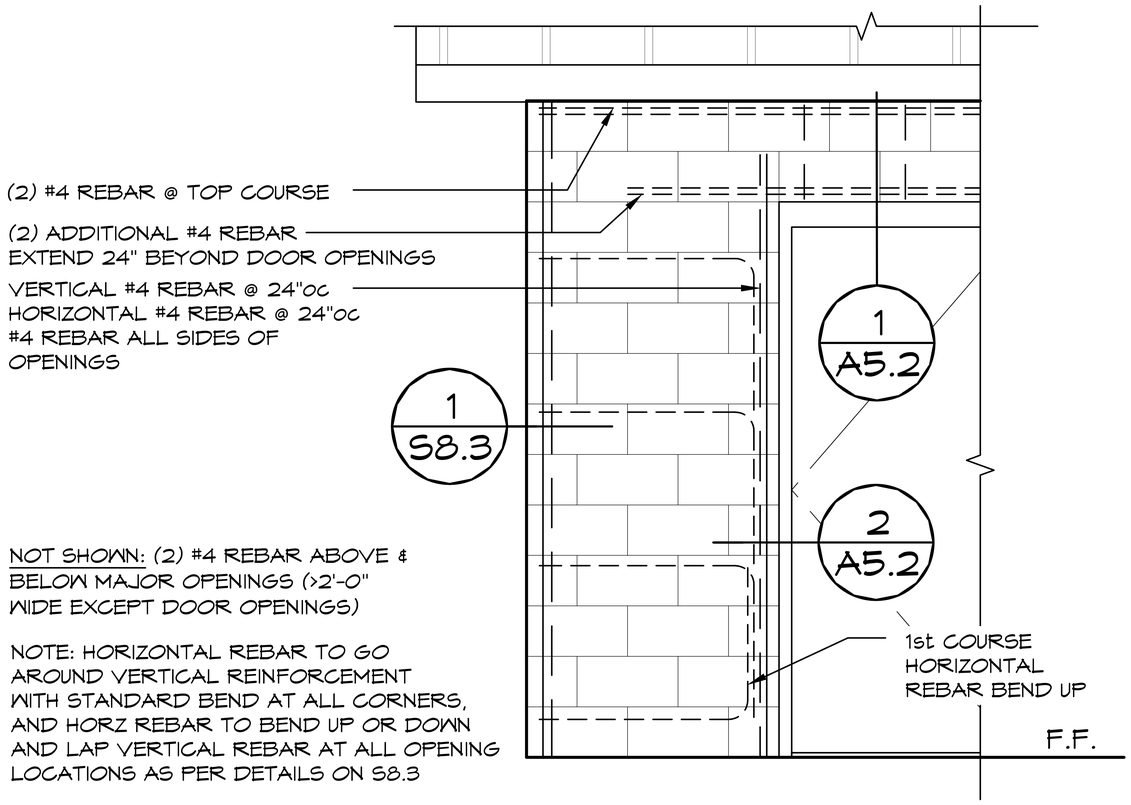
SHEET NO. S8.1



NOT SHOWN: (2) #4 REBAR ABOVE & BELOW MAJOR OPENINGS (>2'-0" WIDE EXCEPT DOOR OPENINGS)

NOTE: HORIZONTAL REBAR TO GO AROUND VERTICAL REINFORCEMENT WITH STANDARD BEND AT ALL CORNERS, AND HORZ REBAR TO BEND UP OR DOWN AND LAP VERTICAL REBAR AT ALL OPENING LOCATIONS AS PER DETAILS ON S8.3

1 CMU REBAR LAYOUT DETAIL

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

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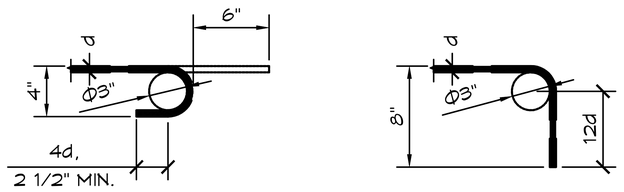
D = FINISHED INSIDE BEND DIAMETER (INCLUDES SPRING BACK)

d = BAR DIAMETER



CMU REBAR SCHEDULE		
REBAR	MIN. LAP	STD. HOOK INSIDE BEND DIA
#4	24"	3" MIN.

CMU REBAR NOTES:
- BENDS: MIN. INSIDE BEND DIAMETER FOR STANDARD HOOKS SHALL BE NOT LESS THAN 6d AS PER TMS 402/602-2016 TABLE 6.1.8

- SPLICES: LAP SPLICES ARE PERMITTED AS PER TMS 402/602-2016 SECTION 6.1.6, AS MODIFIED BY 2022 CBC SECTIONS 2107A & 2108A

PIPES INSTALLED THROUGH CMU WALL NOTES:
- SUPPLY: THE FIXTURE SUPPLY LINE SHOULD BE BORED A 1/2" LARGER THAN REQUIRED LINE SIZE AND THE PORTION OF PIPE LOCATED IN CMU WALL SHALL BE WRAPPED WITH 10MIL BLACK TAPE
- WASTE PIPE: THE FIXTURE WASTE LINE SHOULD BE BORED A 1/2" LARGER THAN REQUIRED LINE SIZE.

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PROJECT: 2022 SIERRA II COMPACT 16'-8" W/ MECH RM
WEST CAMPUS
SACRAMENTO, CALIFORNIA
SHEET TITLE: CMU REBAR LAYOUT DETAIL

PLAN SET# WES01
DATE: 11/01/2023

REVISIONS

REV.	DATE:	BY
2	12-07-2023	CR
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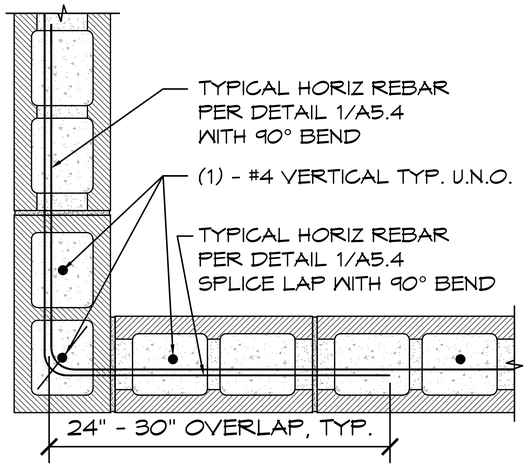
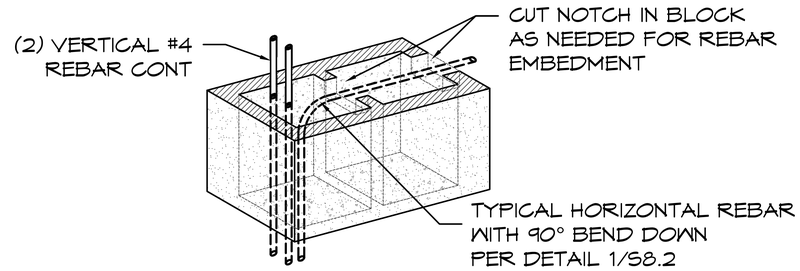
SHEET NO. S8.2



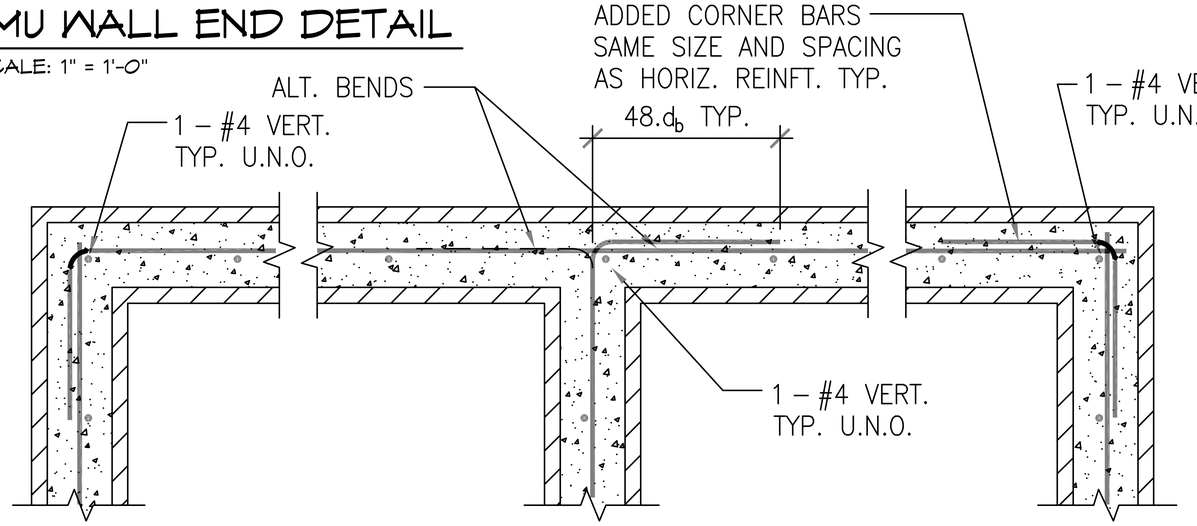
1 MORTAR JOINT CMU CORNER DETAIL

SCALE: 1" = 1'-0"



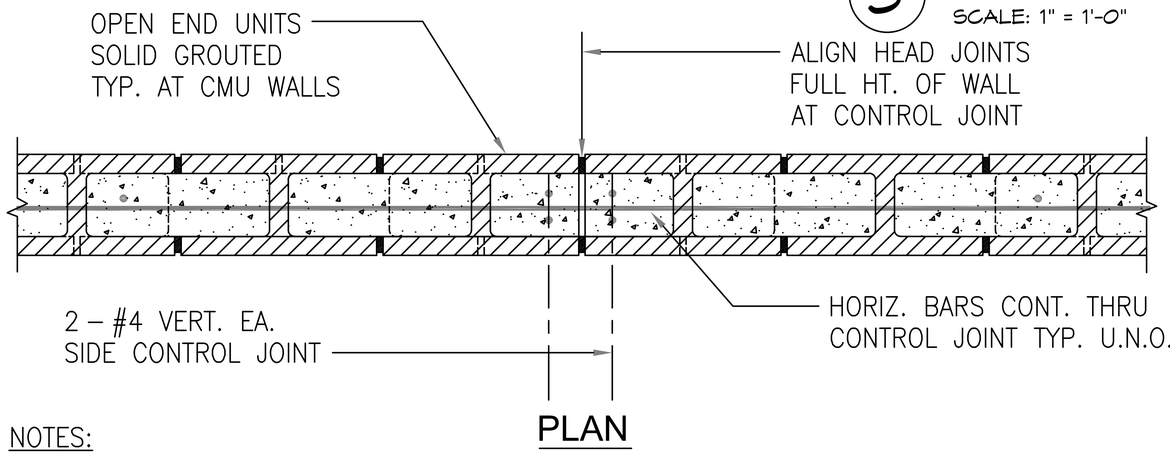
2 MORTAR JOINT CMU WALL END DETAIL

SCALE: 1" = 1'-0"



3 TYP. CMU WALL INTERSECTION AND CORNER DETAILS

SCALE: 1" = 1'-0"



NOTES:

1. PROVIDE JOINTS AT INTERVALS NOT TO EXCEED 24 FEET EXCEPT AS NOTED.
2. HORIZONTAL REINFT SHALL BE CONTINUOUS THROUGH JOINT.

4 TYP. CMU WALL CONTROL JOINT

SCALE: 1" = 1'-0"

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PROJECT: 2022 SIERRA II COMPACT 16-8" W/ MECH RM
WEST CAMPUS
SACRAMENTO, CALIFORNIA

SHEET TITLE: STRUCTURAL DETAILS

PLAN SET# WES01
DATE: 11/01/2023
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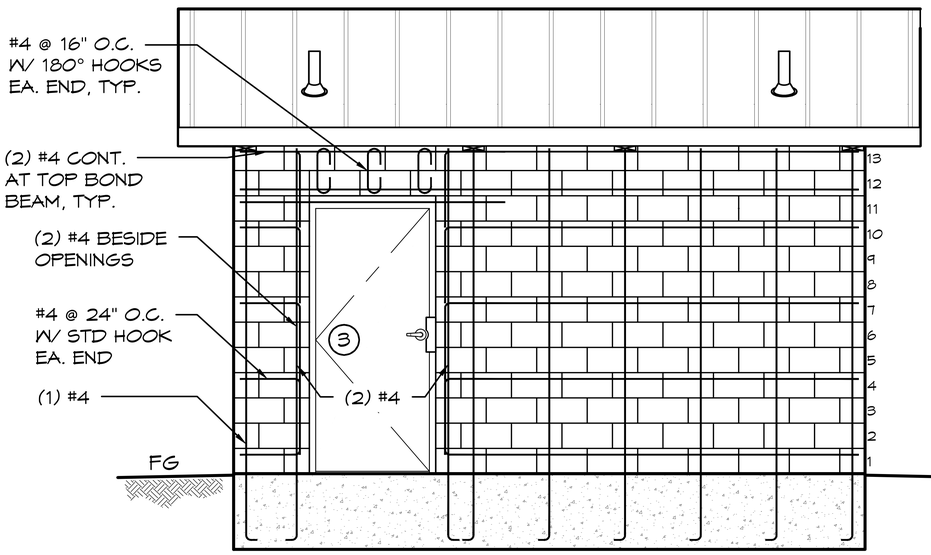
REV.	DATE:	BY

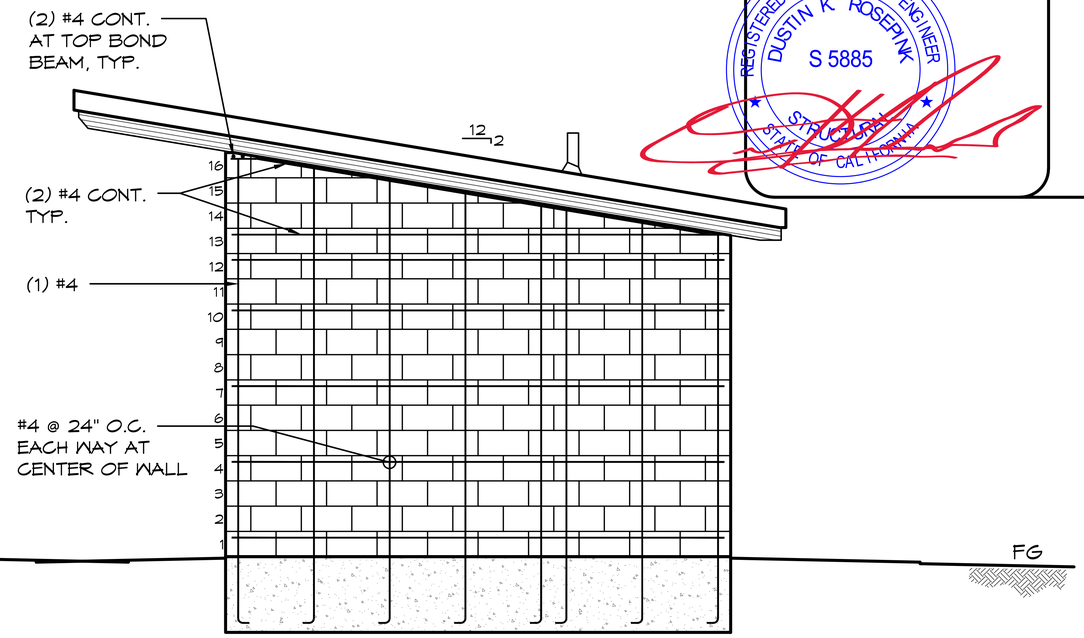
DRAWN BY: CR

SHEET NO.
S8.3



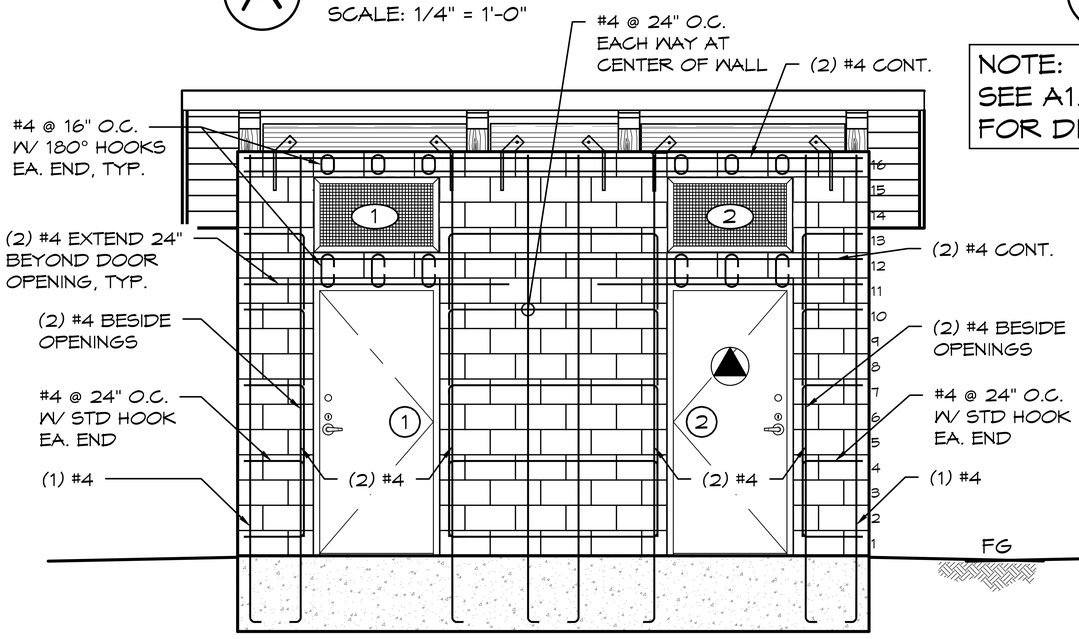
A CMU ELEVATION VIEW

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



B CMU ELEVATION VIEW

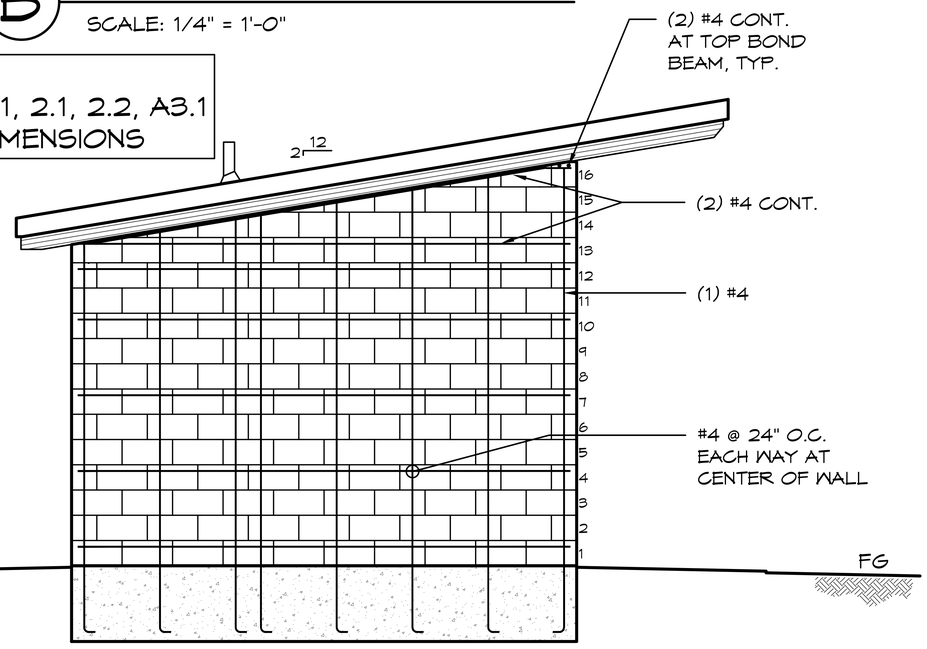
SCALE: 1/4" = 1'-0"



C CMU ELEVATION VIEW

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

NOTE:
SEE A1.1, 2.1, 2.2, A3.1
FOR DIMENSIONS



D CMU ELEVATION VIEW

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

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WEST CAMPUS
SACRAMENTO, CALIFORNIA
SHEET TITLE: STRUCTURAL ELEVATIONS

PLAN SET# WES01
DATE: 11/01/2023

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2	12-07-2023	CR
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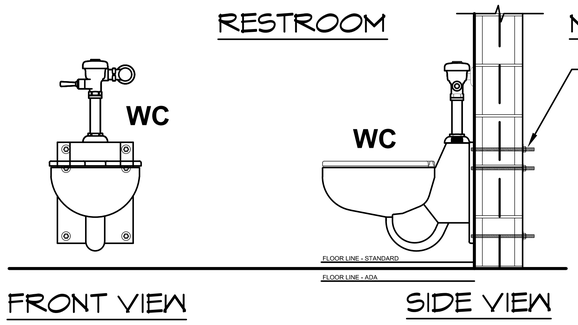
SHEET NO. S8.4



1 WATER CLOSET MOUNTING

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

INSTALL NOTES:
1. FASTEN 6" MIN. LENGTH OF UNISTRUT TO CMU WALL W/(2) 1/2" Φ X 3 5/8" EMBEDMENT HILTI KB-TZ2 STAINLESS STEEL ANCHORS, INSTALL PER ICC ESR-4561 OR 12" O.C, TYP.
2. USE STRUT NUTS FOR BOLTS TO MATCH PROVIDED EQUIPMENT WITH MOUNTING HOLES.
3. FOR WATER LINES, SEWER PIPE OR CONDUIT USE STRUT MOUNT ROUTING CLAMP TO MATCH DIAMETER.

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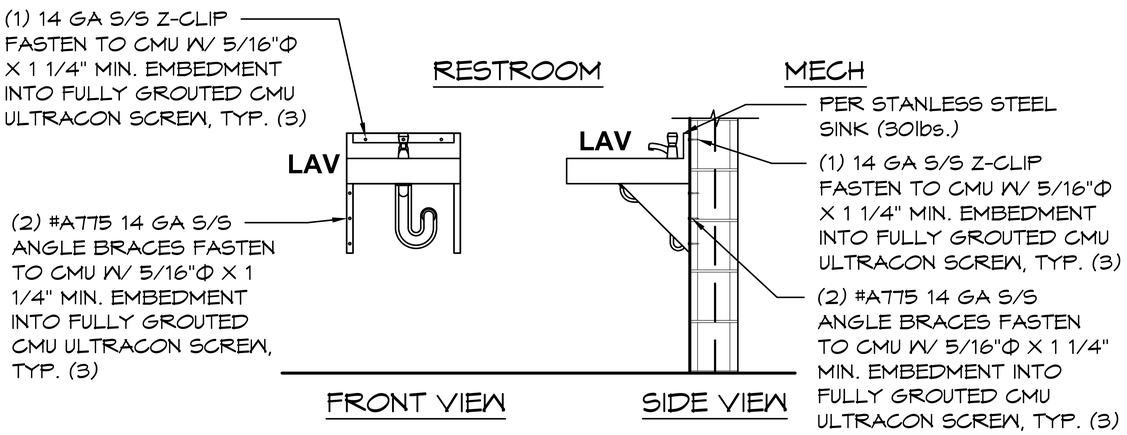
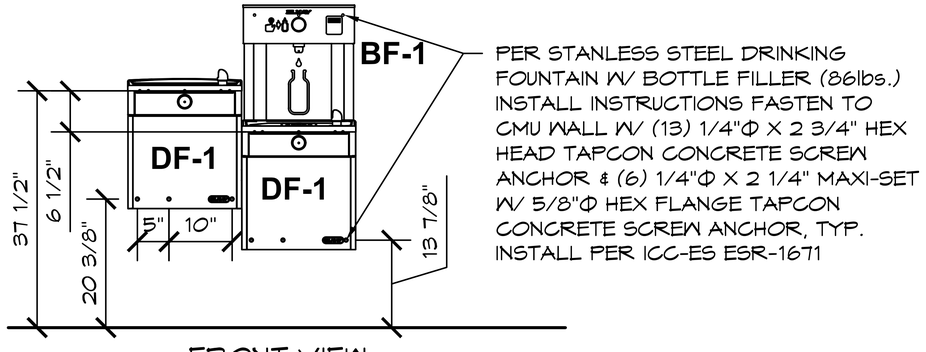


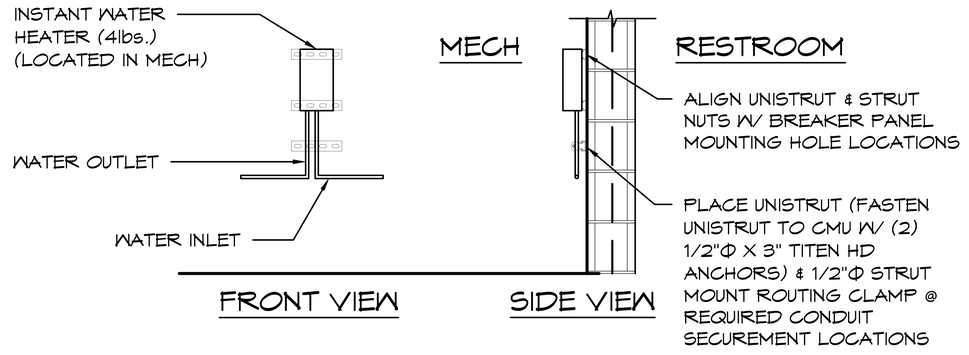
2 LAVATORY MOUNTING

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



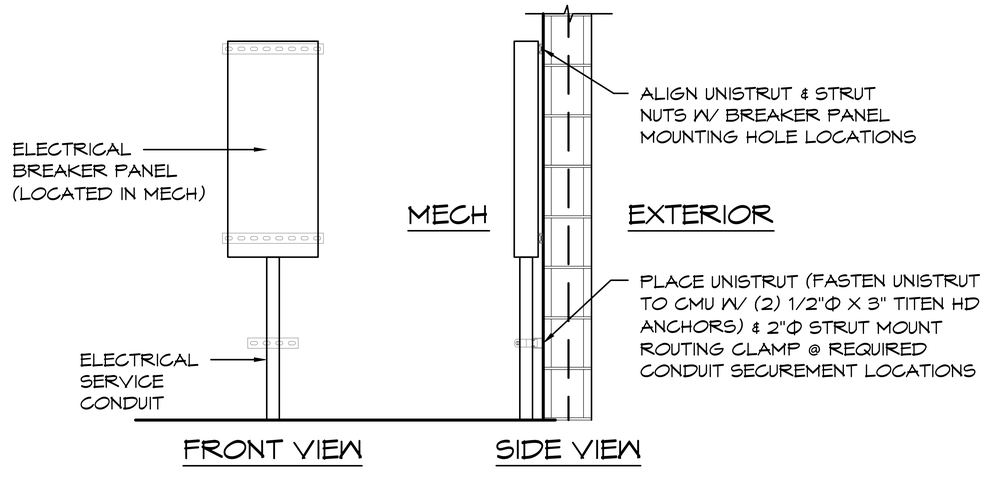
3 DRINKING FOUNTAIN MOUNTING

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



4 TANKLESS WATER HEATER MOUNTING

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



5 BREAKER PANEL MOUNTING

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

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PROJECT: 2022 SIERRA II COMPACT 16'-8" W/ MECH RM
WEST CAMPUS
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SHEET TITLE: EQUIPMENT MOUNTING DETAILS

PLAN SET# WES01
DATE: 11/01/2023
REVISIONS

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5	03-14-2024	CR
6	03-19-2024	CR
7	04-15-2024	CR

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SHEET NO. S8.5

6 3/4" X 9" GLULAM RAFTER (R1) SECURE TO CMU W/ 1/2"Φ HILTI HIT-HY 200 V3 COUNTERSINK AT 32" O.C., 4.5" EMBEDMENT INTO SOLID GROUTED CMU, INSTALL PER ICC-ES ESR-4878, ALIGN CENTER OF BEAM WITH CENTER OF WALL, TYP.
SPECIAL INSPECTION IS REQUIRED

NOTE: DURING THE CONSTRUCTION PROCESS IT IS COMMON FOR SMALL GAPS TO APPEAR IN ANY NUMBER OF PLACES. ROMTEC DOES NOT PROVIDE CAULK OR ANY OTHER MATERIAL TO FILL THESE SMALL GAPS UNLESS IT IS SPECIFIED IN OUR SUBMITTAL

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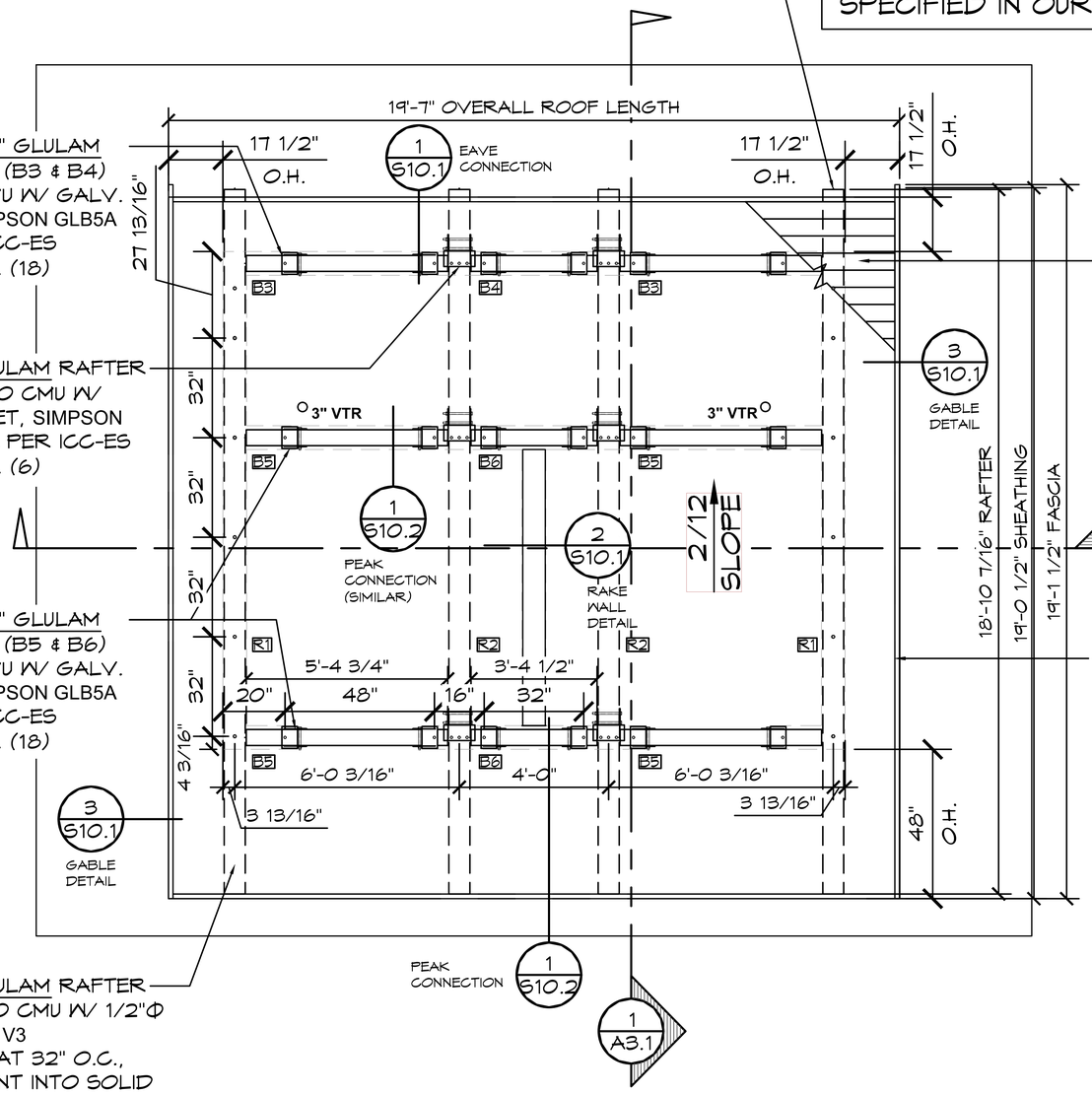
5 1/8" X 10 1/2" GLULAM FILLER BEAMS (B3 & B4) SECURE TO CMU W/ GALV. BRACKET, SIMPSON GLB5A INSTALL PER ICC-ES ESR-2877, TYP. (18)

6 3/4" X 9" GLULAM RAFTER (R2) SECURE TO CMU W/ GALV. BRACKET, SIMPSON HGLBA INSTALL PER ICC-ES ESR-2877, TYP. (6)

5 1/8" X 10 1/2" GLULAM FILLER BEAMS (B5 & B6) SECURE TO CMU W/ GALV. BRACKET, SIMPSON GLB5A INSTALL PER ICC-ES ESR-2877, TYP. (18)

6 3/4" X 9" GLULAM RAFTER (R1) SECURE TO CMU W/ 1/2"Φ HILTI HIT-HY 200 V3 COUNTERSINK AT 32" O.C., 4.5" EMBEDMENT INTO SOLID GROUTED CMU, INSTALL PER ICC-ES ESR-4878, ALIGN CENTER OF BEAM WITH CENTER OF WALL, TYP.
SPECIAL INSPECTION IS REQUIRED



2x6 V-EDGE TONGUE & GROOVE DECKING: NAIL DECK BOARD TO GLULAM BEAMS W/ 16d NAILS (2) PER 2x6 DECK BOARD.
STRUCTURAL 1, 5/8" OSB SHEATHING: ATTACH OSB TO DECKING & FRAMING W/ 1/4" Φ SDS SCREWS @ 4" O.C. AT EACH GLULAM MEMBER (MIN. 1-1/2" PENETRATION INTO GLULAM MEMBER). 6d @ 4"O.C. EDGE & 6d @ 12"O.C. FIELD

2 X 6 CEDAR FASCIA

NOTE:

1. EXPOSED UNPROTECTED GLB'S WITH EXPOSED END CUTS TO BE FABRICATED FROM DECAY RESISTANT ALASKAN CEDAR

2. 2X6 FASCIA TO BE ALASKAN CEDAR

NOTE:

1. TWO-INCH (51 MM) DECKING SHALL HAVE A MAXIMUM MOISTURE CONTENT OF 15 PERCENT. DECKING SHALL BE MACHINED WITH A SINGLE TONGUE-AND-GROOVE PATTERN. EACH DECKING PIECE SHALL BE NAILED TO EACH SUPPORT.
2. EACH PIECE OF DECKING SHALL BE TOENAILED AT EACH SUPPORT WITH ONE 16d COMMON NAIL THROUGH THE TONGUE AND FACE-NAILED WITH ONE 16d COMMON NAIL OR AS NOTED OTHERWISE.
3. CONTROLLED RANDOM PATTERN THERE SHALL BE A MINIMUM DISTANCE OF 24 INCHES (610 MM) BETWEEN END JOINTS IN ADJACENT COURSES. THE PIECES IN THE FIRST AND SECOND COURSES SHALL BEAR ON AT LEAST TWO SUPPORTS WITH END JOINTS IN THESE TWO COURSES OCCURRING ON ALTERNATE SUPPORTS. A MAXIMUM OF SEVEN INTERVENING COURSES SHALL BE PERMITTED BEFORE THIS PATTERN IS REPEATED.

1 ROOF FRAMING PLAN

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

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SHEET TITLE: ROOF FRAMING PLAN

PLAN SET# WES01
DATE: 11/01/2023

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REV.	DATE:	BY
3	02-15-2024	CR
4	02-27-2024	CR
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8	04-19-2024	CR

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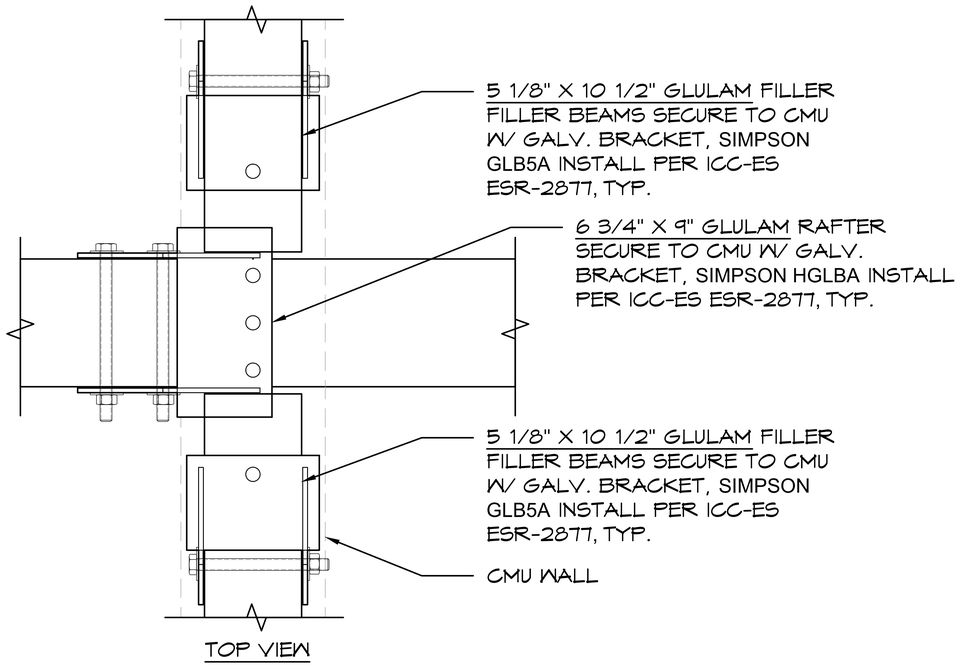
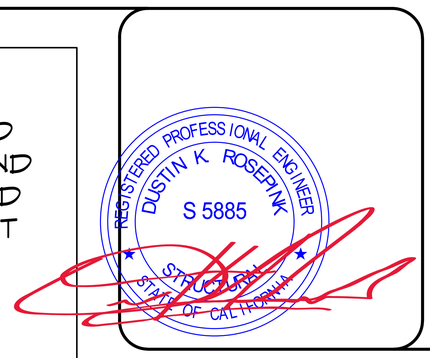


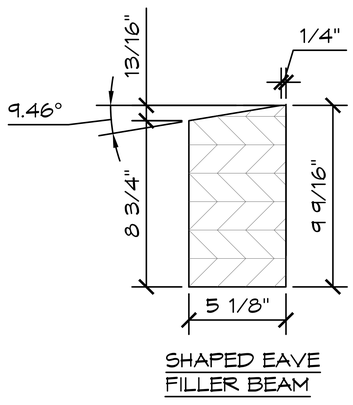
TOP VIEW

NOTE:

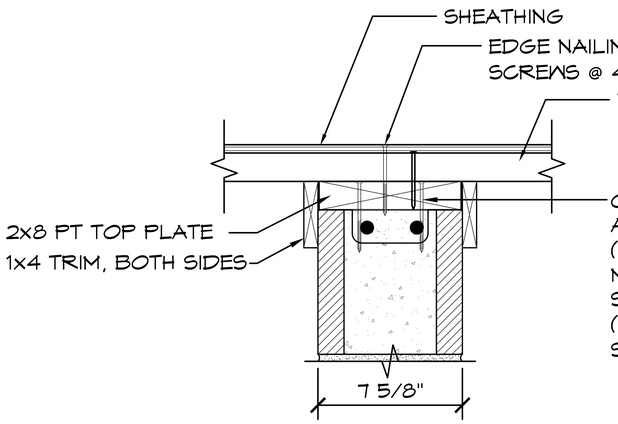
1. EXPOSED UNPROTECTED GLB'S WITH EXPOSED END CUTS TO BE FABRICATED FROM DECAY RESISTANT ALASKAN CEDAR

2. 2X6 FASCIA TO BE ALASKAN CEDAR





SHAPED EAVE FILLER BEAM



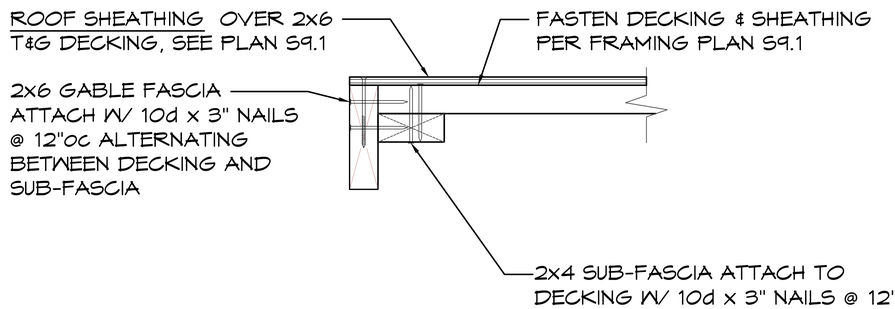
2 RAKE WALL DETAIL

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

SIDE VIEW

1 EAVE CONNECTION DETAIL

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



3 GABLE DETAIL, TYP

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

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SHEET TITLE: CONNECTION DETAILS

PLAN SET# WES01

DATE: 11/01/2023

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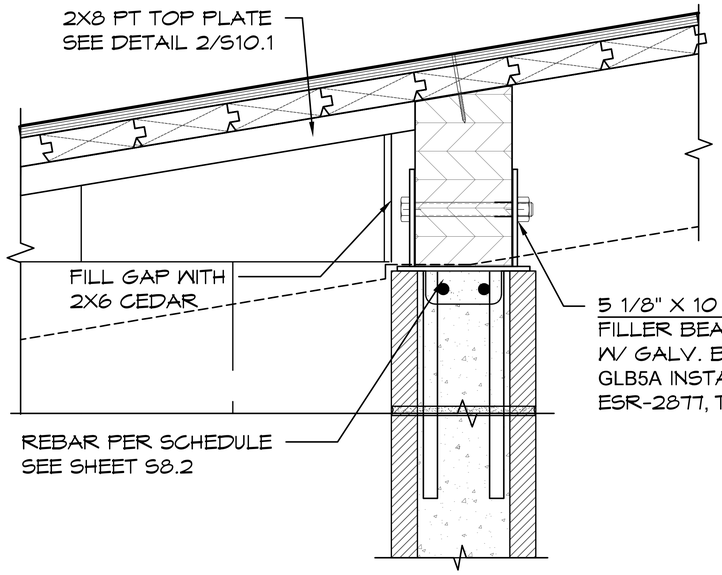
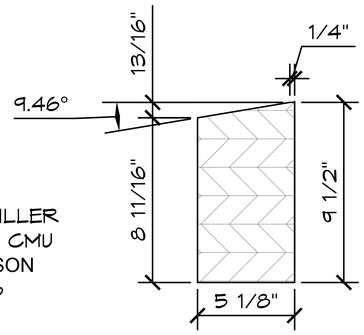
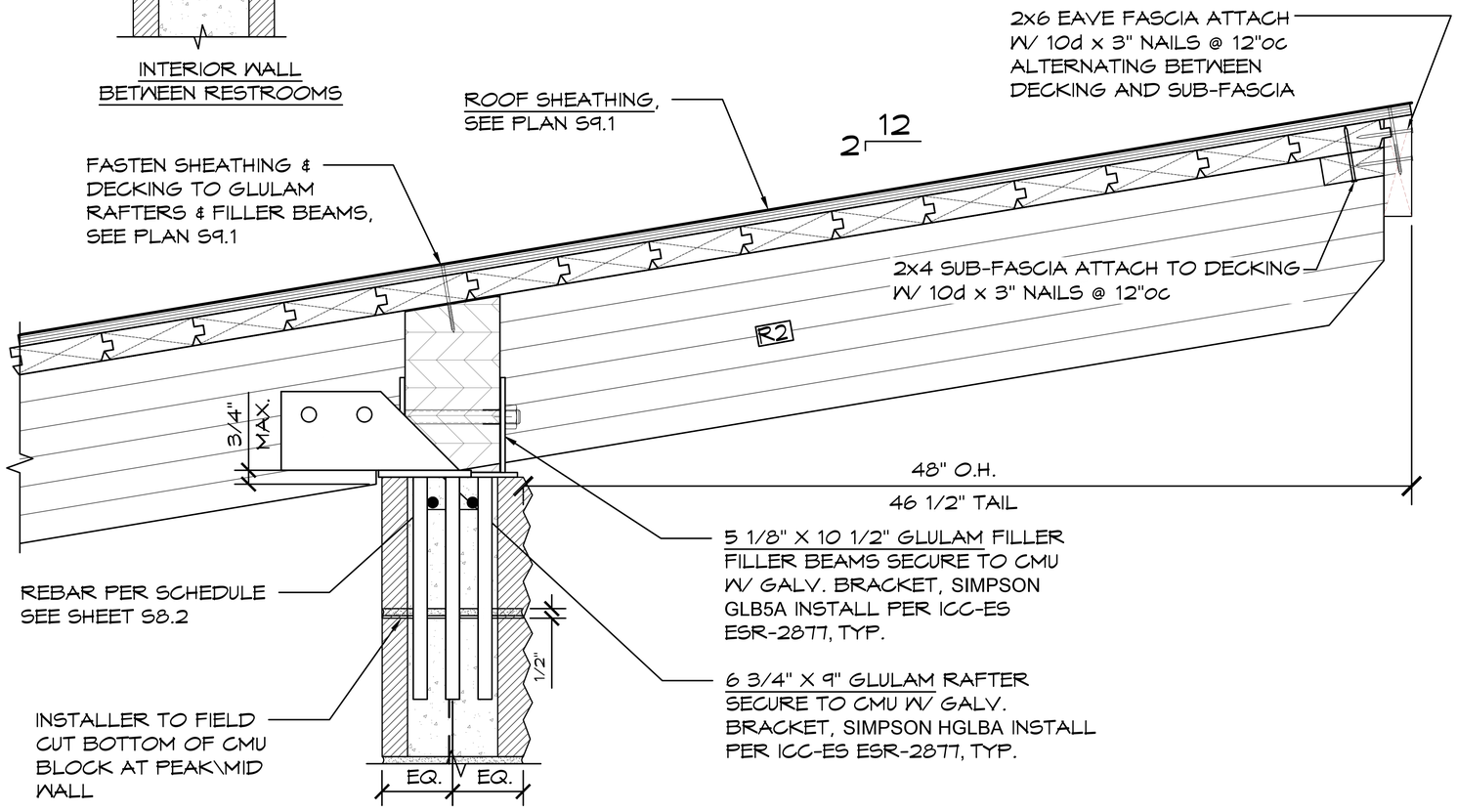
SHEET NO. S10.1



INTERIOR WALL
BETWEEN RESTROOMS



SHAPED PEAK/MID
FILLER BEAM



1 PEAK\MID CONNECTION DETAIL

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

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PROJECT: 2022 SIERRA II COMPACT 16'-8" W/ MECH RM
WEST CAMPUS
SACRAMENTO, CALIFORNIA

SHEET TITLE: CONNECTION DETAILS

PLAN SET# WES01
DATE: 11/01/2023

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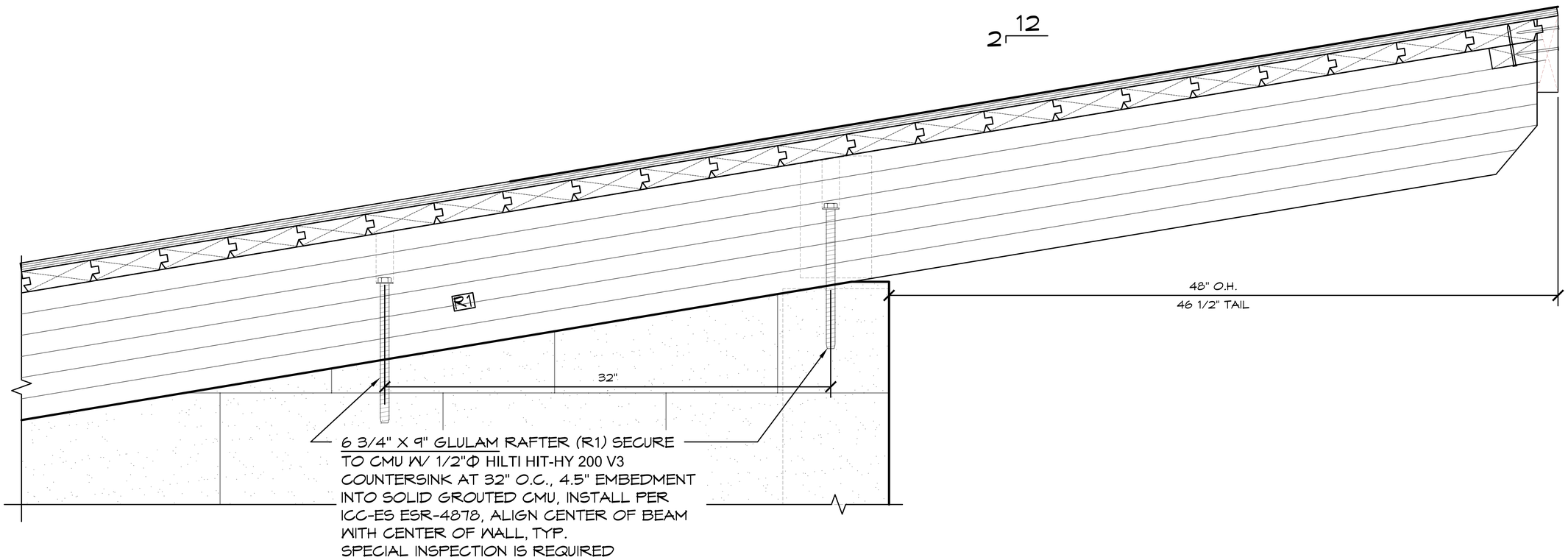

1 GLULAM RAFTER @ WALL CONNECTION DETAIL

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

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SHEET TITLE: CONNECTION DETAILS

PLAN SET# WES01
DATE: 11/01/2023

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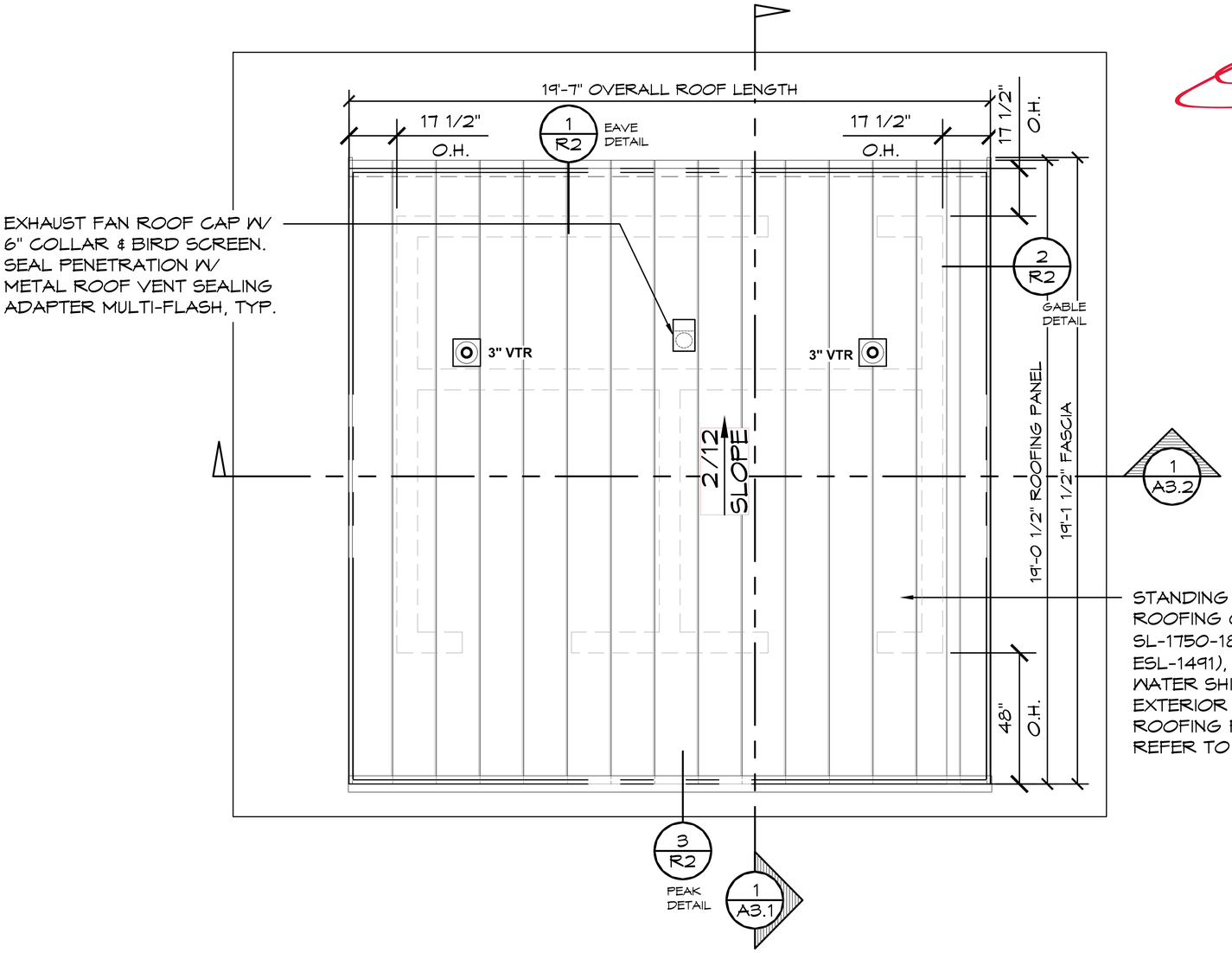
SHEET NO.
S10.3



NOTE:
FLASHING SECTIONS OVER 10'-6" IN LENGTH SHALL BE OVERLAPPED BY 4" AND EVERY EFFORT MUST BE MADE TO ENSURE A SYMMETRICAL APPEARANCE

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1 ROOFING PLAN

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

A
D B
C

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SHEET TITLE: ROOFING PLAN

PLAN SET# WES01

DATE: 11/01/2023

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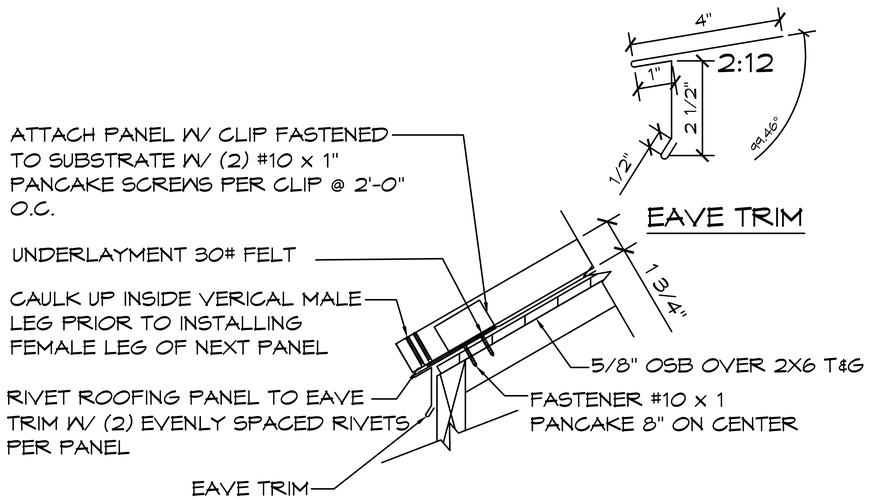
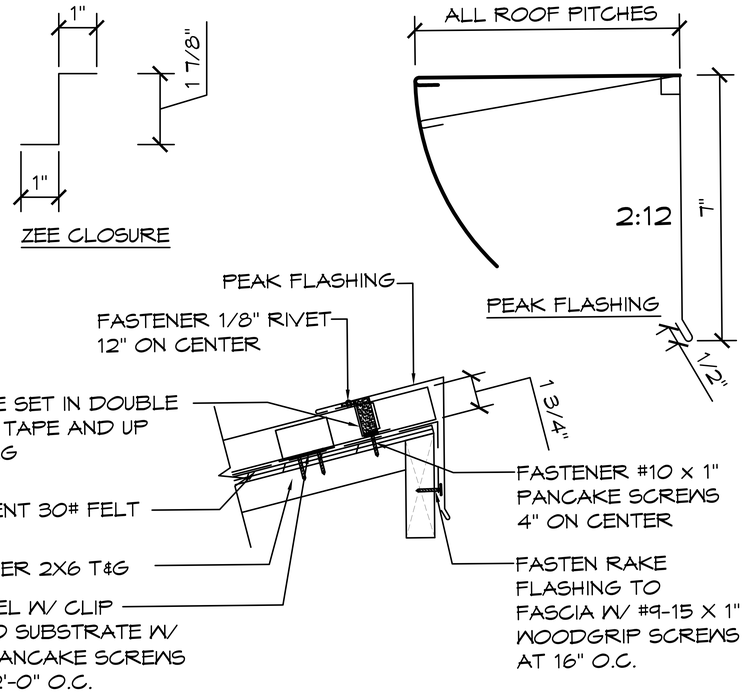
SHEET NO. R1



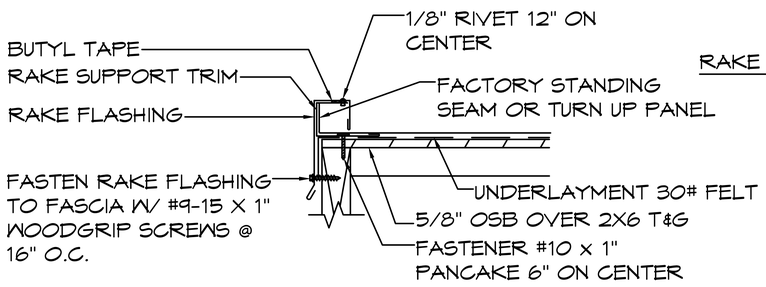
1 EAVE ROOFING DETAIL (SL1)

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

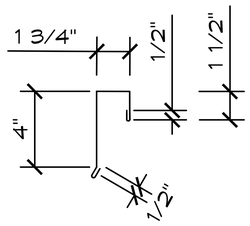


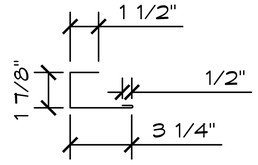
3 PEAK ROOFING DETAIL (SL8)

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



RAKE FLASHING





RAKE SUPPORT TRIM

2 RAKE ROOFING DETAIL (SL11)

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

NOTE:
ALL ROOF FLASHING IS 26 GAUGE SHEET METAL

CONTRACTOR SHALL INSTALL ROOFING IN STRICT ACCORDANCE WITH INSTALLATION REQUIREMENTS OF ROOFING MANUFACTURER.

SPECIAL TOOLS REQUIRED:
POP RIVET GUN COMPATABLE WITH 1/8"Φ RIVETS

REGISTERED PROFESSIONAL ENGINEER
DUSTIN K. ROSEPINK
S 5885
STRUCTURAL
STATE OF CALIFORNIA

STEL ENGINEERING
26030 Acero, Suite 200
Mission Viejo, CA 92691
949.305.1150
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Project #:

ROMTEC
18240 NORTH BANK ROAD
ROSEBURG, OR 97470
(541)-496-3541 FAX (541)-496-0803

PROJECT: 2022 SIERRA II COMPACT 16'-8" W/ MECH RM
WEST CAMPUS
SACRAMENTO, CALIFORNIA
SHEET TITLE: ROOFING DETAILS

PLAN SET# WES01
DATE: 11/01/2023

REVISIONS

REV.	DATE:	BY:
4	02-27-2024	CR

DRAWN BY: CR

SHEET NO.
R2

CALIFORNIA PLUMBING CODE (BASED OFF UPC)

SYM	FIXTURE TYPE	SEWER	VENT	COLD WATER	HOT WATER	MIXED WATER	NO OF FIXT.	W. FIXT. UNITS/EA	TOTAL W. FIXT UNITS	DR. FIXT UNITS	TOTAL DR. FIXT. UNITS
WC	ADA TOILET*	3"	2"	1"	X	-	2	40,30,20,15,10	70	4	8
LAV	HAND SINK*	1 1/4"	1 1/2"	X	X	1/2"	2	1	2	1	2
S-1	UTILITY/MOP SINK	2"	1 1/2"	1/2"	X	1/2"	1	3	3	3	3
DF-1	DRINKING FOUNTAIN*	1 1/2"	1 1/2"	1/2"	X	-	3	.5	1.5	.5	1.5
HB-1	WALL HYDRANT ANTI-FREEZE	X	X	3/4"	X	-	1	2.5	2.5	NA	NA
HB-2	WALL FAUCET	X	X	1/2"	X	-	1	1	1	NA	NA
FD-1	FLOOR DRAIN	3"	1 1/2"	X	X	-	1	NA	NA	2	2
FD-2	FLOOR DRAIN (EMERGENCY)	3"	1 1/2"	X	X	-	2	NA	NA	NA	NA
WH-2	WATER HEATER (INSTANT)*	X	X	3/8"c	3/8"c	3/8"c	1	NA	NA	NA	NA
								TOTAL	80	TOTAL	16.5

SIOUX CHIEF
(3" W/6" STRAINER)

REGISTERED PROFESSIONAL ENGINEER
OSCAR J. ZUNIGA
MS7125
MECHANICAL
STATE OF CALIFORNIA
3-19-24

GENERAL PLUMBING NOTES:

1. ALL PIPE (WATER, SEWER, VENT), JOINTS, AND WORK SHALL CONFORM TO 2022 CALIFORNIA PLUMBING CODE AND LOCAL CODES.
2. CONTRACTOR TO CONFIRM LOCATIONS OF SEWER AND WATER TIE-INS.
3. CONTRACTOR TO SOLIDLY BRACE ALL PIPING TIGHT AGAINST WALLS. FOR LONG OR COMPLICATED RUNS, SECURELY MOUNT USING UNI-STRUT, IN STRAIGHT AND UNIFORM MANNER FOR FINISHED APPEARANCE. PIPING SHOWN IS DIAGRAMMATIC ONLY AND ACTUAL DESIGN TO BE BY CONTRACTOR.
4. CONTRACTOR MAY CHANGE PIPE SIZING IN FIELD TO PROVIDE ADEQUATE WATER PRESSURE TO ALL PLUMBING FIXTURES AS APPROVED BY INSPECTOR. ROMTEC BUILDINGS ARE DESIGNED TO HAVE 40-60 PSI WATER PRESSURE FOR THE PLUMBING FIXTURES. IF THE SITE HAS A PRESSURE OTHER THAN THIS, IT IS THE OWNER'S RESPONSIBILITY TO PROVIDE THE PRESSURE REDUCER OR BOOSTER PUMP NECESSARY.
5. CONTRACTOR TO DETERMINE AND PROVIDE MEANS FOR GRAVITY DRAINING ALL PLUMBING FIXTURES TO SEPTIC OR SANITARY SEWER SYSTEM. INSTALLER TO PROVIDE A CLEAN-OUT BENEATH ALL SINKS AND LAVATORY AS REQUIRED BY CODE.
6. CONTRACTOR TO DETERMINE AND PROVIDE MEANS FOR SUPPLYING WATER TO ALL PLUMBING FIXTURES AND INSTALL WATER SERVICE SHUTOFF VALVE; TYPICALLY LOCATED WITHIN THE MECHANICAL ROOM.
7. IF THE SITE REQUIRES AN ACCESSIBLE BACK FLOW PREVENTER AND/OR PRESSURE REDUCER OR BOOSTER PUMP IT IS THE OWNER'S RESPONSIBILITY TO PROVIDE.
8. WHEN INCLUDED, HOT WATER TANKS REQUIRE A TEMPERATURE AND PRESSURE RELIEF VALVE AND A DRAIN LINE TO THE EXTERIOR OF THE BUILDING PER 2022 CPC SECTIONS 608.4 & 608.5. CONTRACTOR TO PROVIDE = FURNISH & INSTALL TWO STRAPS TO THE NEAREST WALL, ONE STRAP AT TOP 1/3 OF TANK AND ONE STRAP AT BOTTOM 1/3 OF TANK, IN COMPLIANCE WITH 2022 CPC SECTION 507.2.
9. PLUMBING FIXTURES SHALL BE CERTIFIED BY THE CALIFORNIA ENERGY COMMISSION, SHALL COMPLY WITH 2022 CALIFORNIA PLUMBING CODE (CPC) SECTIONS 401.3 AND 403, AND SHALL COMPLY WITH 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CGBSC) SECTION 5.303.3. FLUSHOMETERS ASSOCIATED WITH TOILETS SHALL USE NO MORE THAN 1.28 GALLONS PER FLUSH. FLUSHOMETERS ASSOCIATED WITH URINALS USE NO MORE THAN 0.5 GALLONS PER FLUSH. BOTH FLUSHOMETERS ABOVE SHALL MEET PERFORMANCE STANDARDS BY ANSI A112.19.2 H&S CODE, SECTION 17921.3(B). SINK FAUCET SHALL USE NO MORE THAN 1.8 GPM MEASURED AT 60 PSI.
10. WHEN FIXTURES REQUIRE WALL CARRIERS, THEY SHALL BE SUPPLIED BY CONTRACTOR.
11. NON-REMOVABLE BACKFLOW PREVENTION DEVICE SHALL BE INSTALLED ON ALL HOSE BIBBS AND POTABLE WATER OUTLETS WITH HOSE ATTACHMENTS. CPC 603.5.7.
12. UNLESS SPECIFIED IN THE ROMTEC SUBMITTAL, ROMTEC DOES NOT SUPPLY INSULATION OR "FREEZE PROTECTION" FOR PLUMBING. "THE OWNER MAY NEED TO WINTERIZE THEIR BUILDING."

Applicable Code: 2022 CBC
Piping, Ductwork, and Electrical Distribution System Bracing Note
Piping, ductwork, and electrical distribution systems shall be braced to comply with the forces and displacements prescribed in ASCE 7-16 Section 13.3 as defined in ASCE 7-16 Sections 13.6.5, 13.6.6, 13.6.7, 13.6.8; and 2022 CBC, Sections 1617A.1.24, 1617A.1.25 and 1617A.1.26.
The method of showing bracing and attachments to the structure for the identified distribution system are as noted below. When bracing and attachments are based on a preapproved installation guide (e.g., HCAI OPM for 2013 CBC or later), copies of the bracing system installation guide or manual shall be available on the jobsite prior to the start of and during the hanging and bracing of the distribution systems. The Structural Engineer of Record shall verify the adequacy of the structure to support the hanger and brace loads.
Mechanical Piping (MP), Mechanical Ducts (MD), Plumbing Piping (PP), Electrical Distribution Systems (E):
MP ☐ MD ☐ PP ☒ E ☐ Option 1: Detailed on the approved drawings with project specific notes and details.
MP ☐ MD ☐ PP ☐ E ☐ Option 2: Shall comply with HCAI (OSHPD) Preapproval (OPM #) #_____, as included in these drawings with project-specific notes and details.

*NOTE:
REFER TO SHEET S8.5 FOR STRUCTURAL DETAILS ON INSTALLING PLUMBING FIXTURES - WATERCLOSET, LAVATORY, DRINKING FOUNTAINS & INSTANT WATER HEATER.

Applicable Code: 2022 CBC
MEP Component Anchorage Note
All mechanical, plumbing, and electrical components shall be anchored and installed per the details on the DSA-approved construction documents. The following components shall be anchored or braced to meet the force and displacement requirements prescribed in the 2022 CBC Sections 1617A.1.18 through 1617A.1.26 and ASCE 7-16 Chapters 13, 26, and 30:
1. All permanent equipment and components.
2. Temporary, movable or mobile equipment that is permanently attached (e.g., hard wired) to the building utility services such as electricity, gas or water. 'Permanently attached' shall include all electrical connections except plugs for 110/220 volt receptacles having a flexible cable.
3. Temporary, movable or mobile equipment which is heavier than 400 pounds or has a center of mass located 4 feet or more above the adjacent floor or roof level that directly support the component is required to be restrained in a manner approved by DSA.
The following mechanical and electrical components shall be positively attached to the structure but need not demonstrate design compliance with the references noted above. These components shall have flexible connections provided between the component and associated ductwork, piping, and conduit. Flexible connections must allow movement in both transverse and longitudinal directions:
A. Components weighing less than 400 pounds and having a center of mass located 4 feet or less above the adjacent floor or roof level that directly support the component.
B. Components weighing less than 20 pounds, or in the case of distributed systems, less than 5 pounds per foot, which are suspended from a roof or floor or hung from a wall.
The anchorage of all mechanical, electrical and plumbing components shall be subject to the approval of the design professional in general responsible charge or structural engineer delegated responsibility and acceptance by DSA. The project inspector will verify that all components and equipment have been anchored in accordance with the above requirements.

MARQUESS
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PROJECT: 2022 SIERRA II COMPACT 16-8 W/ MECH RM
WEST CAMPUS
SACRAMENTO, CALIFORNIA
SHEET TITLE: PLUMBING SCHEDULE

PLAN SET# WES01
DATE 11/01/2023
REVISIONS

REV	DATE	BY
3	02-15-2024	CR
5	03-14-2024	CR

DRAWN BY CR

SHEET NO. P1