

ROMTEC

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PROJECT INFORMATION

PROJECT NAME: SANDY COMMUNITY CAMPUS PARK
 PROJECT I.D. : SCC01
 SITE ADDRESS: 17225 SMITH AVENUE
 CITY / STATE: SANDY, OR 97055

SHEET SCHEDULE

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REVISION SCHEDULE

| REV. | DATE | BY | DESCRIPTION |
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Structural members only were included in this structural review/design by PSE. Non-structural items are NOT included.

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SANDY, OREGON

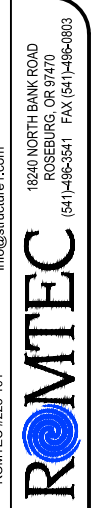
PLAN SET#
SCC01

DATE:
11/21/2023

REVISIONS

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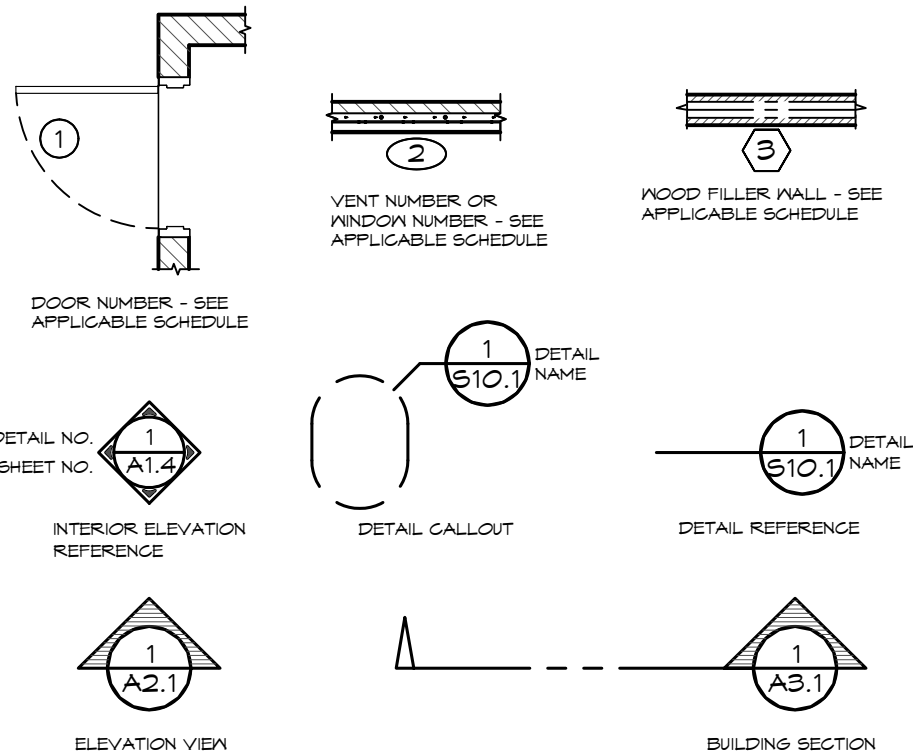


SHEET TITLE:
TITLE SHEET
REVISION & SHEET SCHEDULE

SHEET NO.

GO

SYMBOL LEGEND



ABBREVIATIONS

| | | | |
|------|-----------------------------|------|-----------------------------|
| AB | ANCHOR BOLT | MO | MASONRY OPENING |
| ACT | ADULT CHANGING TABLE | MR | METAL ROOFING |
| AFF | ABOVE FINISHED FLOOR | MS | MILD STEEL |
| ATS | AUTOMATIC TRANSFER SWITCH | ND | NAPKIN DISPOSAL |
| BN | BOUNDARY NAIL | NTS | NOT TO SCALE |
| BOT | BOTTOM | OC | ON CENTER |
| BP | BREAKER PANEL | OCEW | ON CENTER EACH WAY |
| CJ | CONTROL JOINT | OSB | ORIENTED STRAND BOARD |
| CL | CENTER LINE | P | PHOTO EYE |
| CO | CLEAN OUT | PCC | PORTLAND CEMENT COMPANY |
| CMU | CONCRETE MASONRY UNIT | PEN | PANEL EDGE NAILING |
| db | NOMINAL BAR DIAMETER | PL | PLATE |
| DD | DIAPER DECK | PSF | POUNDS PER SQUARE FOOT |
| DIA | DIAMETER | PSI | POUNDS PER SQUARE INCH |
| DISC | DISCONNECT | PT | PRESSURE TREATED |
| EM | ELECTRIC METER | PTD | PAPER TOWEL DISPENSER |
| EN | END NAIL | PV | PHOTO VOLTAIC |
| EW | EACH WAY | R4S | ROUGH FOUR SIDES |
| FA | FREE AIR | REQD | REQUIRED |
| FD | FLOOR DRAIN | RO | ROUGH OPENING |
| FF | FINISHED FLOOR | S4S | SURFACED FOUR SIDES |
| FG | FINISHED GRADE | SCH | SCHEDULE |
| FN | FIELD NAIL | SD | SOAP DISPENSER |
| FRP | FIBERGLASS REINFORCED PANEL | SIP | STRUCTURAL INSULATED PANEL |
| GB | GRAB BAR | SJ | SAW JOINT |
| GLB | GLUE LAMINATED BEAM | SM | SHEET METAL |
| HB | HOSE BIBB | SN | SHEAR NAILING |
| HD | HAND DRYER | SS | STAINLESS STEEL |
| HM | HOLLOW METAL (DOOR) | TBD | TO BE DETERMINED |
| HSS | HOLLOW STRUCTURAL SECTIONS | T&B | TOP & BOTTOM |
| HTR | HEATER | T&G | TONGUE & GROOVE |
| HYP | HYPOTENUSE | TLT | TOILET |
| I.S. | INSTALLER SUPPLIED | TP | TOILET PAPER DISPENSER |
| KSI | KIPS PER SQUARE INCH | TS | TIMER SWITCH |
| L | STRUCTURAL STEEL ANGLE | TSCD | TOILET SEAT COVER DISPENSER |
| LAV | LAVATORY | TYP | TYPICAL |
| LF | LIGHT FIXTURE | UNO | UNLESS NOTED OTHERWISE |
| MBP | MAIN BREAKER PANEL | VB | VAPOR BARRIER |
| MD | MAIN DISCONNECT | VTR | VENT THROUGH ROOF |
| MIN | MINIMUM | WH | WATER HEATER |
| MIR | MIRROR | WWM | WOVEN WIRE MESH |
| | | W | WITH |

GENERAL NOTES

- THIS PROJECT SHALL COMPLY WITH ALL CODES AND STANDARDS IDENTIFIED ON SHEET G2. ALL WORK SHALL MEET OR EXCEED INDUSTRY STANDARDS FOR MATERIALS, WORKMANSHIP, ETC.
- CONTRACTOR SHALL REVIEW THE DRAWINGS THOROUGHLY BEFORE PROCEEDING WITH ANY WORK. ANY DISCREPANCIES FOUND WITHIN THESE DOCUMENTS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF ROMTEC. CONTRACTOR SHALL NOT PROCEED WITH ANY WORK HE KNOWS TO BE IN CONFLICT WITH OTHER WORK, OR IS NOT APPROVED BY CODE, UNTIL RESOLVED BY ROMTEC OR THE ENGINEER/ARCHITECT.
- CONTRACTOR SHALL MAINTAIN GENERAL LIABILITY INSURANCE AND WORKER'S COMP. INSURANCE AS PER SPECIFIC STATE MINIMUM REQUIREMENTS.
- FOOTINGS SHALL BE CONSTRUCTED ON UNDISTURBED NATIVE SOIL OR ENGINEER APPROVED FILL. CONTRACTOR TO VERIFY ASSUMED SOIL BEARING CAPACITY NOTED ON SHEET G2. SHOULD SOIL NOT MEET OR EXCEED THE ASSUMED SOIL BEARING CAPACITY, CONTRACTOR TO MODIFY SOIL CONDITIONS TO SATISFY CRITERIA OR NOTIFY THE STRUCTURAL ENGINEER TO REVISE DESIGN PER CONDITIONS ENCOUNTERED. BACKFILL AROUND BUILDING TO PROVIDE SLOPE AWAY FROM BUILDING NOT LESS THAN A 2% SLOPE FOR A MINIMUM DISTANCE OF 10' FROM THE BUILDING, PER 2021 IBC 1804.3.
 - A. CAST-IN-PLACE CONCRETE: 3000 PSI MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS 4" +/- 1" SLUMP, WITH MAX 1" AGGREGATE, AND ALL MATERIALS IN ACCORDANCE WITH ACI 318 STANDARDS. FINE BROOM FINISH INTERIOR SURFACES AND EXTERIOR SLABS. JOINTS REQUIRED IN FLAT WORK, SEE FOUNDATION DETAILS FOR REQUIREMENTS.
 - B. CMU BLOCKS "MEDIUM WEIGHT DENSITY" ARE MANUFACTURED TO ASTM C90-02 STANDARDS WITH A MIN COMPRESSIVE STRENGTH $f_m = 1500$ PSI. ALL CMU BLOCKS MUST BE FULLY GROUTED IN 5 FT MAXIMUM LIFTS (EXCEPTION - HIGH LIFT GROUTING FOR 8'-8" WALLS MAYBE USED AS LONG AS CLEANOUT OPENINGS ARE PROVIDED AT THE BOTTOM OF EVERY CELL FOR EACH POUR ABOVE 5 FT). THE MORTAR TO BE USED SHALL BE TYPE S 1800 PSI MORTAR CONFORMING TO ASTM C270. MASONRY (CONCRETE) GROUT: 2500 PSI MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS 9" +/- 1" SLUMP, WITH MAX 1/2" AGGREGATE, AND TESTED IN ACCORDANCE TO MEET ACI 318. FINE OR COURSE GROUT MAY BE USED IN ACCORDANCE WITH 2021 IBC. 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.
- ANCHOR AND MACHINE BOLTS SHALL BE ASTM A307, UNLESS NOTED OTHERWISE BOLTS SHALL BE INSTALLED PER TURN-OF-NUT INSTALLATION METHOD, REQUIRED TURNS FOR PRE-TENSIONING FROM SNUG-TIGHT, U.N.O. IN THIS PLAN SET OR BY ANCHOR BOLT OR FASTENER MANUFACTURER. SCREWS AND MACHINE BOLT CALLOUTS ARE MINIMUM SIZE ALLOWED, ACTUAL SIZE MAY VARY. HOLLOW STRUCTURAL SECTION (HSS) SHALL BE ASTM A500 GRADE B, $F_y = 46$ ksi. WIDE FLANGE BEAMS SHALL BE ASTM A992, $F_y = 50$ ksi. STEEL PLATES & SHAPES SHALL BE ASTM A36, $F_y = 36$ ksi. CONCRETE REINFORCING STEEL (REBAR): 60 ksi. (GRADE 60). WOOD FRAMING SHALL BE #2 & BETTER DOUGLAS FIR, UNO. GLU-LAM BEAMS SHALL BE GRADE 24F-V4.
- QUESTIONS CONCERNING MATERIALS OR CONSTRUCTION CONTACT ROMTEC TECHNICAL ASSISTANCE AT: 541-496-3541
- ROMTEC SCOPE SUPPLY AND DESIGN SUBMITTAL (SSDS) IDENTIFY SPECIFIC MODEL, MANUFACTURER & BRAND OF ALL PLUMBING AND ELECTRICAL FIXTURES AND ACCESSORIES. REFER TO THE SSDS FOR SPECIFIC LIST OF ITEMS SUPPLIED BY ROMTEC, ANY ITEMS NOT LISTED IN THE SSDS IS ASSUMED SUPPLIED BY THE INSTALLER.
- THE OWNER / CONTRACTOR MAY EXERCISE DISCRETION IN SELECTING THE FINAL LOCATION FOR NON-DIMENSIONED ACCESSORIES AND FIXTURES (E.G., LIGHTS, COMFORT HEATERS, ETC.)

NOTE: ARCHITECT/ENGINEER IS NOT RESPONSIBLE FOR ANY SITE DESIGN OR ENGINEERING AND WILL NOT BE HELD ACCOUNTABLE OR LIABLE FOR ANY ISSUES RELATED TO THIS SITE. IT IS THE OWNER'S RESPONSIBILITY TO ACCURATELY LOCATE THIS BUILDING, SET FLOOR AND ADJACENT ELEVATIONS, DETERMINE SITE IS SUITABLE FOR CONSTRUCTION, VERIFY ALL UTILITIES, ETC.

RECYCLE

RECYCLE ALL USED SHIPPING MATERIALS AND LEFT OVER BUILDING MATERIALS

12/4/2023



EXPIRES: 6/30/2025

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PROJECT: SANDY COMMUNITY CAMPUS PARK
SANDY, OREGON

SHEET TITLE: GENERAL NOTES
SYMBOL LEGEND

| | | |
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| PLAN SET# | SCC01 | |
| DATE: | 11/21/2023 | |
| REVISIONS | | |
| REV. | DATE: | BY: |
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SHEET NO.

G1

CODES AND STANDARDS

- 2022 OREGON STRUCTURAL SPECIALTY CODE (2021 IBC)
- 2021 OREGON PLUMBING SPECIALTY CODE (2021 UPC)
- 2021 OREGON ELECTRICAL SPECIALTY CODE (2020 NEC)
- 2021 OREGON MECHANICAL SPECIALTY CODE (2021 IMC)
- 2022 OREGON FIRE CODE (2021 IFC)
- 2022 OREGON STRUCTURAL SPECIALTY CODE, CHAPTER 11 (ACCESSIBILITY)

- ACI AMERICAN CONCRETE INSTITUTE, ACI 318, "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE"
- TMS THE MASONRY SOCIETY, TMS 402, "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES"

CODE SUMMARY:

OCCUPANCY CLASS.: U
 CONSTRUCTION: VB
 AREA: 277 FT²
 AREA ALLOWABLE: 5500 FT²
 HEIGHT: 1 STORY
 HEIGHT ALLOWABLE: 1 STORY
 OCCUPANT LOAD: 5

DESIGN LOADS

ROOF: SNOW LOAD 25 PSF
 ROOF: DEAD LOAD 20 PSF
 WALL DEAD LOAD 81 PSF
 IBC SEISMIC DESIGN CATEGORY D
 DESIGN WIND SPEED (ULTIMATE) 100 MPH
 EXPOSURE C
 ALLOWABLE SOIL BEARING 1500 PSF

SEISMIC DESIGN DATA:

RISK CATEGORY: II
 IMPORTANCE FACTOR: 1.0
 SS: 0.713
 S1: 0.317
 SITE CLASS: D
 SMS: 0.877
 SM1: 0.629
 SDS: 0.585
 SD1: 0.419
 SEISMIC DESIGN CATEGORY: D
 R = 5
 BASE SHEAR: V = 0.090 W

WIND DESIGN :

RISK CATEGORY: II
 WIND SPEED = 100 MPH
 EXPOSURE: C
 INTERNAL PRESSURE COEFE = ± 0.18

BEARING WALL SYSTEM: SPECIAL REINFORCED MASONRY SHEAR WALL

ANALYSIS METHOD: EQUIVALENT STATIC FORCE METHOD

SPECIAL INSPECTIONS

CONCRETE SPECIAL INSPECTION NOT REQUIRED PER IBC 1705.3
 EXCEPTION 2.3 [FOOTINGS]
 EXCEPTION 3 [SLAB]

SPECIAL INSPECTIONS (TMS 402-16)

| MINIMUM VERIFICATION | REQUIRED FOR QUALITY ASSURANCE (a) | | | REFERENCE FOR CRITERIA |
|--|------------------------------------|---------|---------|------------------------|
| | LEVEL 1 | LEVEL 2 | LEVEL 3 | TMS 602 |
| PRIOR TO CONSTRUCTION, VERIFICATION OF COMPLIANCE OF SUBMITTALS | | R | | ART. 1.5 |
| PRIOR TO CONSTRUCTION, VERIFICATION OF f_m AND f_{AAC} , EXCEPT WHERE SPECIFICALLY EXEMPT BY THE CODE. | | R | | ART. 1.4 B |
| DURING CONSTRUCTION, VERIFICATION OF SLUMP FLOW AND VISUAL STABILITY INDEX (VSI) WHEN SELF-CONSOLIDATING GROUT IS DELIVERED TO THE PROJECT SITE. | | R | | ART. 1.5 & 1.6.3 |
| DURING CONSTRUCTION, VERIFICATION OF f_m AND f_{AAC} FOR EVERY 5,000 sq. ft. (465 sq.m). | | NR | | ART. 1.4 B |
| DURING CONSTRUCTION, VERIFICATION OF PORPORTIONS OF MATERIALS AS DELIVERED TO THE PROJECT SITE FOR PREMIXED OR PREBLENDED MORTAR, PRESTRESSING GROUT, AND GROUT OTHER THAN SELF-CONSOLIDATING GROUT. | | NR | | ART. 1.4 B |

(a) R=REQUIRED, NR=NOT REQUIRED

| MINIMUM SPECIAL INSPECTION | REQUIRED FOR QUALITY ASSURANCE (a) | | | REFERENCE FOR CRITERIA | |
|---|------------------------------------|----------|---------|---------------------------------|--|
| | LEVEL 1 | LEVEL 2 | LEVEL 3 | TMS 402 | TMS 602 |
| 1. AS MASONRY CONSTRUCTION BEGINS, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE: | | | | | |
| A. PROPORTION OF SITE-PREPARED MORTAR | | P | | | ART. 2.1, 2.6 A, & 2.6 C |
| B. GRADE AND SIZE OF PRESTRESSING TENDONS AND ANCHORAGES | | P | | | ART. 2.4 B & 2.4 H |
| C. GRADE, TYPE AND SIZE OF REINFORCEMENT, CONNECTORS, ANCHOR BOLTS, AND PRESTRESSING TENDONS AND ANCHORAGES | | P | | | ART. 3.4 & 3.6 A |
| D. PRESTRESSING TECHNIQUE | | P | | | ART. 3.6 B |
| E. PROPERTIES OF THIN-BED MORTAR FOR AAC MASONRY | | C(b)P(c) | | | ART. 2.1 C.1 |
| F. SAMPLE PANEL CONSTRUCTION | | P | | | ART. 2.1 C.1 |
| 2. PRIOR TO GROUTING, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE: | | | | | |
| A. GROUT SPACE | | P | | | ART. 3.2 D & 3.2 F |
| B. PLACEMENT OF PRESTRESSING TENDONS AND ANCHORAGES | | P | | SEC. 10.8 & 10.9 | ART. 2.4 & 3.6 |
| C. PLACEMENT OF REINFORCEMENT, CONNECTORS, AND ANCHOR BOLTS | | P | | SEC. 6.1, 6.3.1, 6.3.6, & 6.3.7 | ART. 2.4 & 3.6 |
| D. PROPORTIONS OF SITE-PREPARED GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS | | P | | | ART. 2.6 B & 2.4 G.1.b |
| 3. VERIFY COMPLIANCE OF THE FOLLOWING DURING CONSTRUCTION: | | | | | |
| A. MATERIALS AND PROCEDURES WITH THE APPROVED SUBMITTALS | | P | | | ART. 1.5 |
| B. PLACEMENT OF MASONRY UNITS AND MORTAR JOINT CONSTRUCTION | | P | | | ART. 3.3 B |
| C. SIZE AND LOCATION OF STRUCTURAL MEMBERS | | P | | | ART. 3.3 F |
| D. TYPE, SIZE AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES OR OTHER CONSTRUCTION. | | P | | SEC. 1.2.1(e), 6.2.1 & 6.3.1 | |
| E. WELDING OF REINFORCEMENT | | C | | SEC. 6.1.6.1.2 | |
| F. PREPARATION, CONSTRUCTION, AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40°F(4.4°C)) OR HOT WEATHER (TEMPERATURE ABOVE 90°F(32.2°C)) | | P | | | ART. 1.8 C & 1.8 D |
| G. APPLICATION AND MEASUREMENT OF PRESTRESSING FORCE | | C | | | ART. 3.6 B |
| H. PLACEMENT OF GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS IS IN COMPLIANCE | | C | | | ART. 3.5 & 3.6 C |
| I. PLACEMENT OF AAC MASONRY UNITS AND CONSTRUCTION OF THIN-BED MORTAR JOINTS | | C(b)P(c) | | | ART. 3.3 B.9 & 3.3 F.1.b |
| 4. OBSERVE PREPARATION OF GROUT SPECIMENS, MORTAR SPECIMENS, AND/OR PRISMS | | P | | | ART. 1.4 B.2.a.3, 1.4 B.2.b.3, 1.4 B.2.c.3, 1.4 B.3, & 1.4 B.4 |

(a) FREQUENCY REFERS TO THE FREQUENCY OF INSPECTION, WHICH MAY BE CONTINUOUS DURING THE LISTED TASK OR PERIODICALLY DURING THE LISTED TASK, AS DEFINED IN THE TABLE.
 NR=NOT REQUIRED, P=PERIODIC, C=CONTINUOUS
 (b) REQUIRED FOR THE FIRST 5000 SQUARE FEET (465 SQUARE METERS) OF AAC MASONRY.
 (c) REQUIRED AFTER THE FIRST 5000 SQUARE FEET (465 SQUARE METERS) OF AAC MASONRY.

12/4/2023



EXPIRES: 6/30/2025

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SANDY, OREGON

SHEET TITLE:
DESIGN CRITERIA & CODE SUMMARY

PLAN SET#
SCCO1

DATE:
11/21/2023

REVISIONS

| REV. | DATE | BY |
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DRAWN BY:
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SHEET NO.

G2

12/04/2023

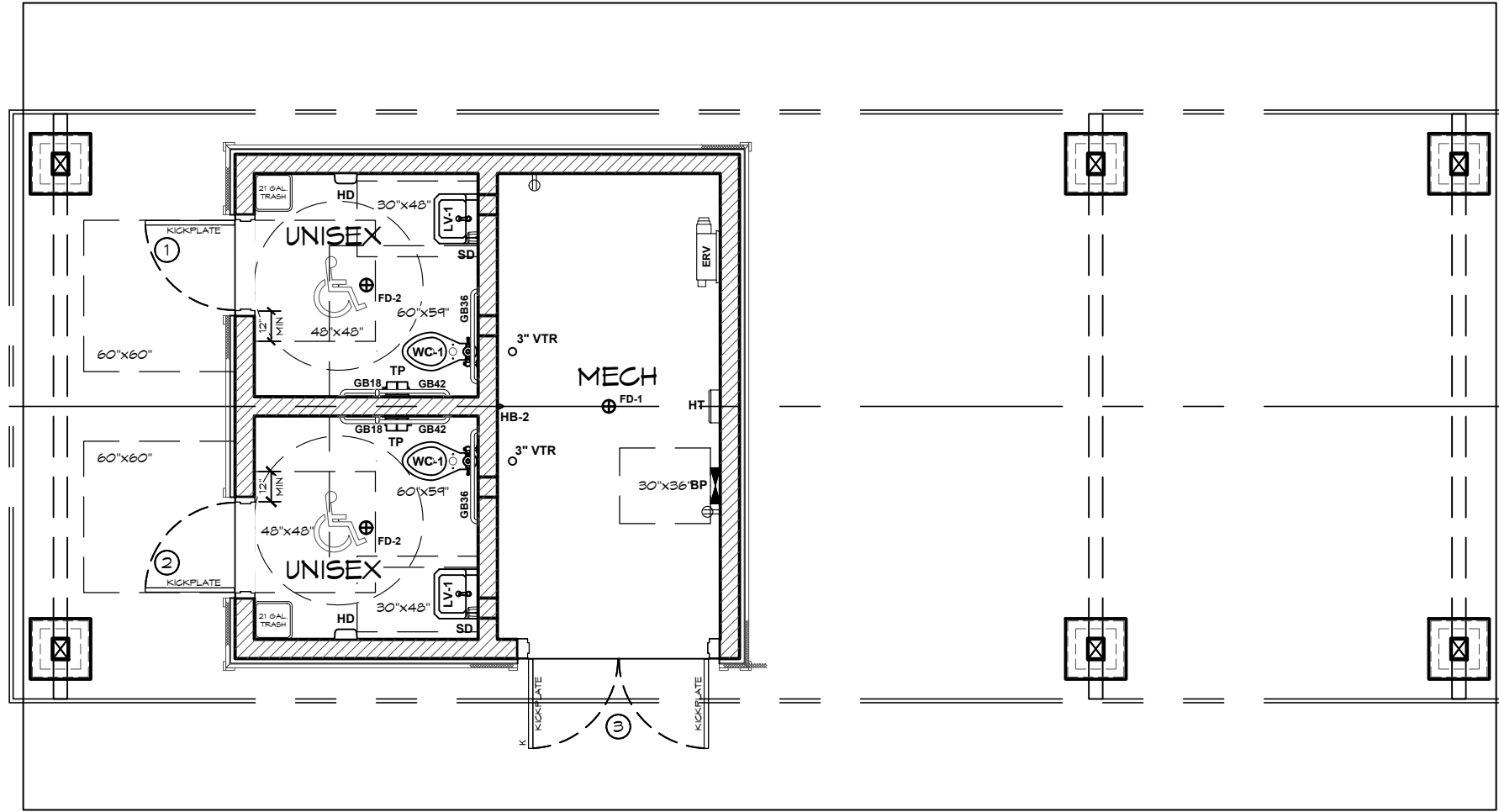


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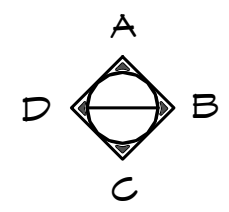
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1 ADA RESTROOM FIXTURE CLEAR FLOOR AREA
SCALE: 3/16" = 1'-0"



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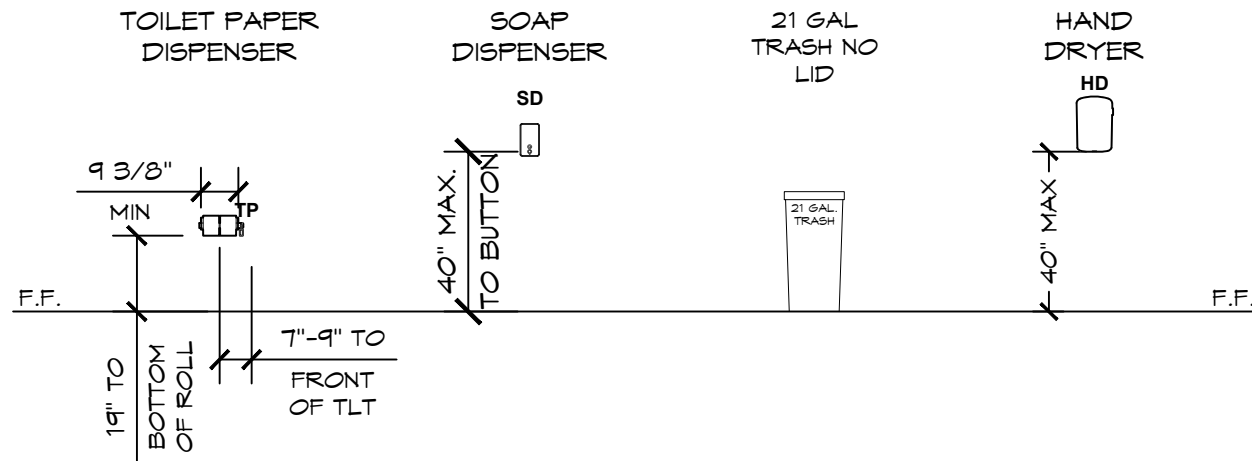
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| DRAWN BY: | TY | |

SHEET NO.
A1.2

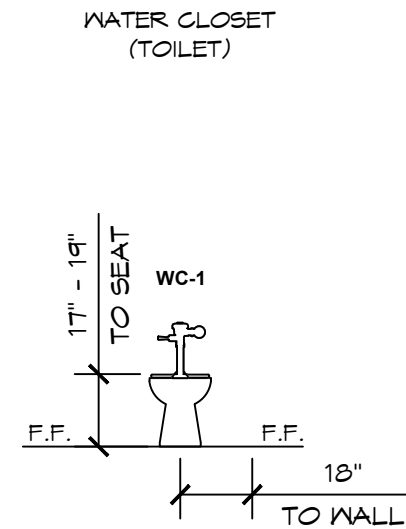
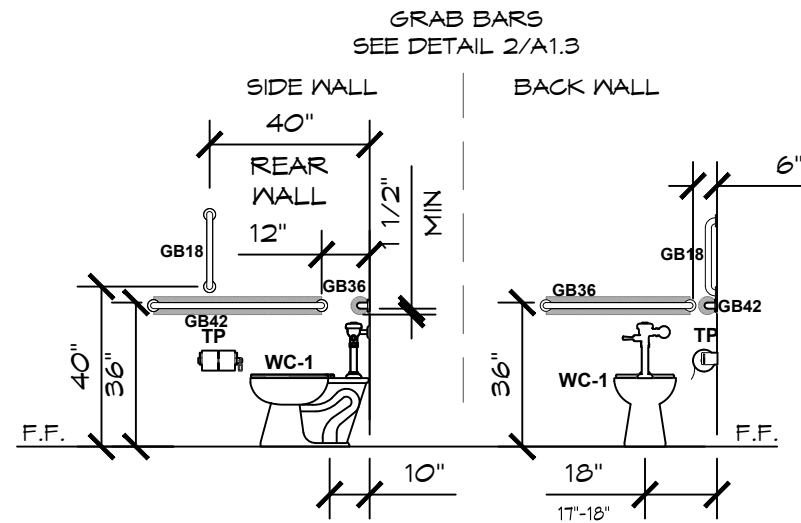
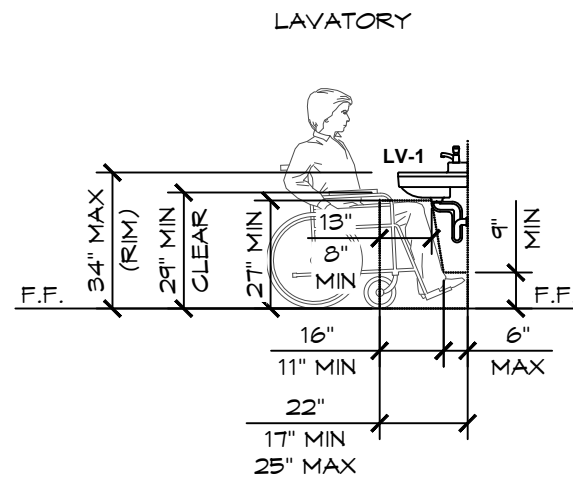


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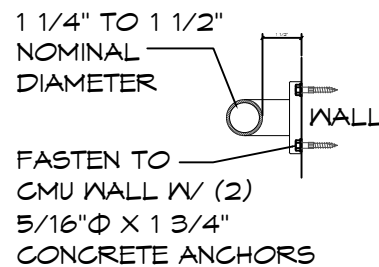


A. THE ACCESSIBLE SINK SHALL BE MOUNTED WITH THE COUNTER OR RIM NO HIGHER THAN 34" ABOVE FINISH FLOOR. KNEE CLEARANCE THAT IS AT LEAST 27" HIGH, 30" SIDE AND 19" UNDERNEATH THE SINK SHALL BE PROVIDED. HOT WATER AND DRAIN SHALL BE INSULATED OR OTHERWISE CONFIGURED SO AS TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER THE SINK. SECTION 11B- 606.

B. FAUCET CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. LEVER OPERATED, PUSH-TYPE AND ELECTRONICALLY CONTROLLED MECHANISMS ARE ACCEPTABLE. SELF-CLOSING VALVES ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS. SECTION 11B-606.4.



INSTALLED GRAB BARS MUST MEET 250# MINIMUM LOAD & GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS PER CODE.



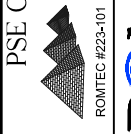
1 ADA RESTROOM FIXTURE DETAILS

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

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PROJECT:
SANDY COMMUNITY CAMPUS PARK
SANDY, OREGON

PLAN SET#
SCCO1

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11/21/2023

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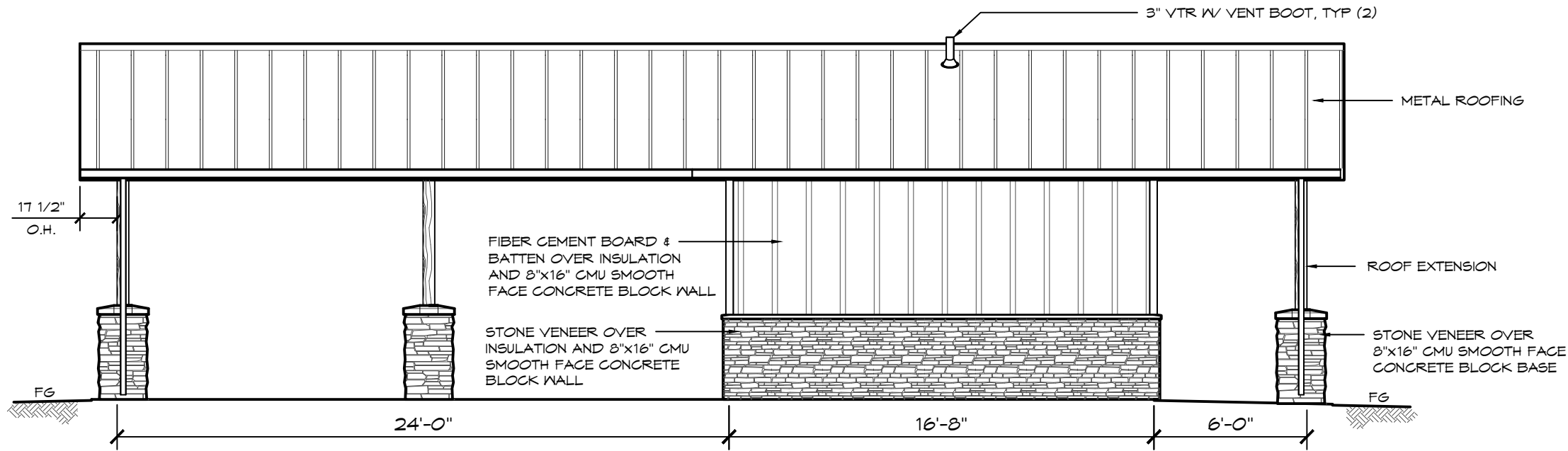
SHEET TITLE: ADA RESTROOM FIXTURE DETAILS

SHEET NO.

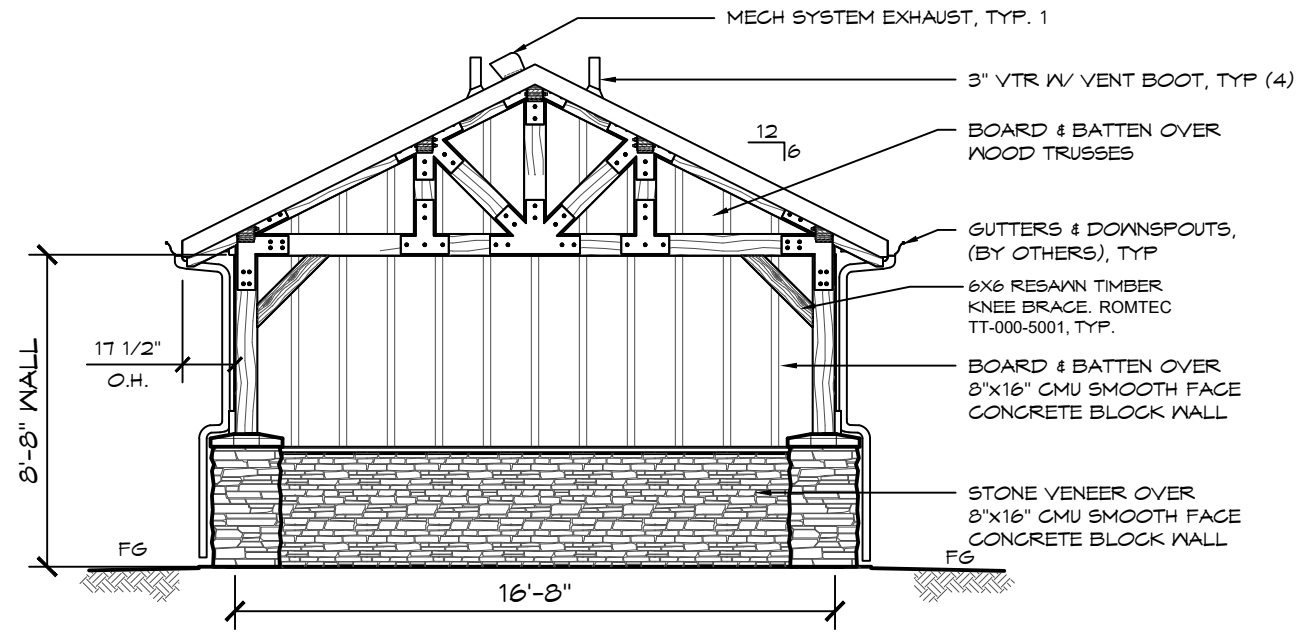
A1.3



EXPIRES: 01/01/2025



A ELEVATION VIEW
SCALE: 3/16" = 1'-0"



B ELEVATION VIEW
SCALE: 3/16" = 1'-0"

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PROJECT:
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SANDY, OREGON

SHEET TITLE: EXTERIOR ELEVATION VIEWS

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| PLAN SET# | SCC01 | | |
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SHEET NO.
A2.1



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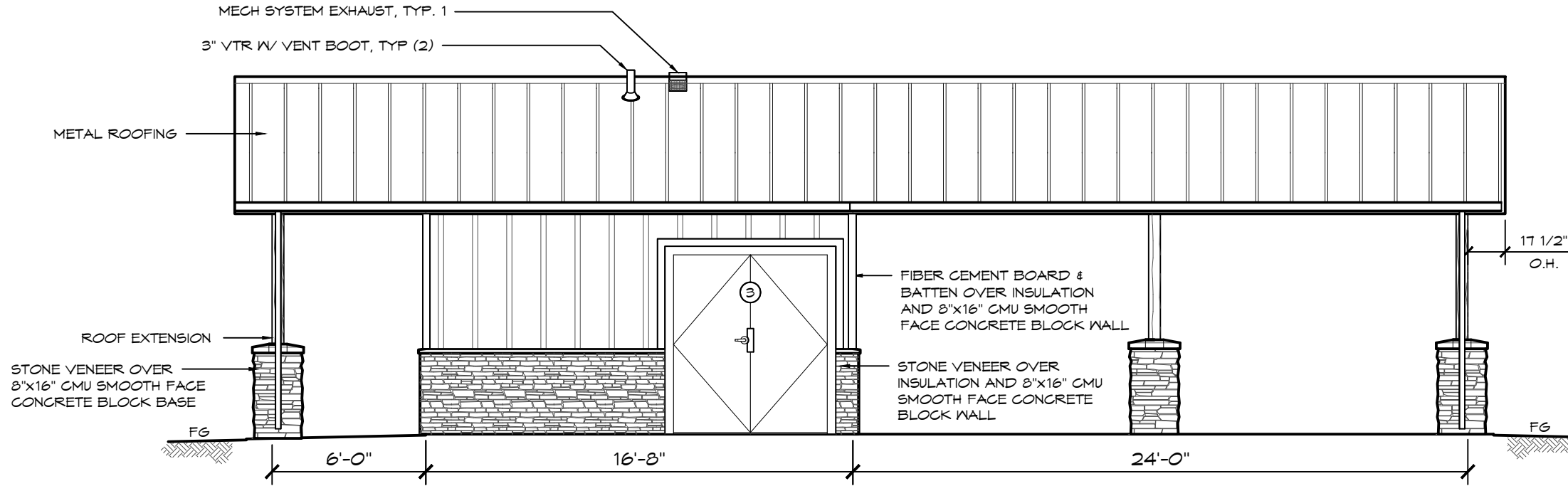
PROJECT:
SANDY COMMUNITY CAMPUS PARK
SANDY, OREGON

PLAN SET#
SCC01
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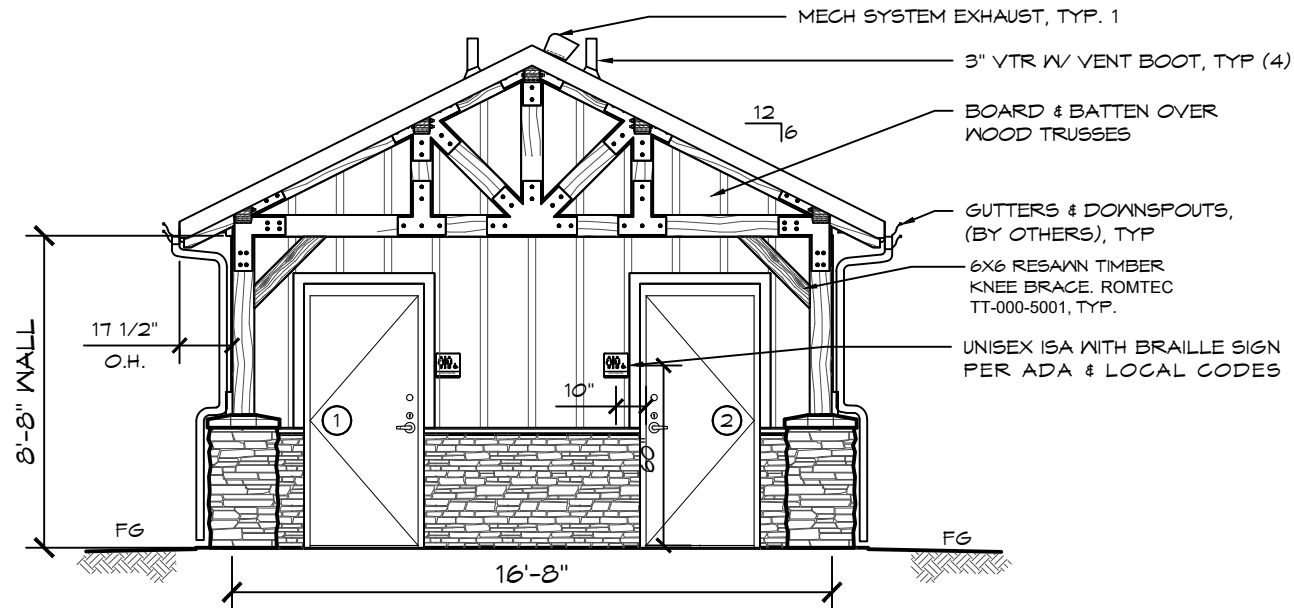
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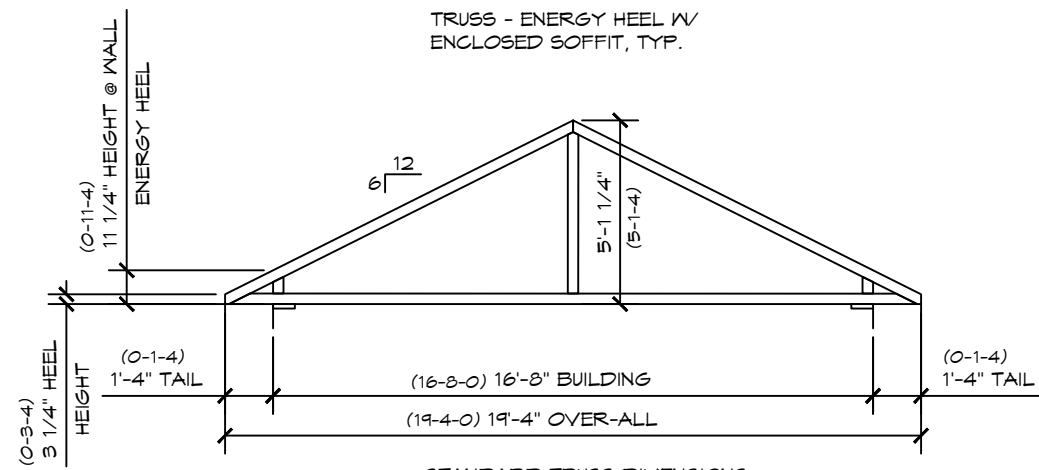
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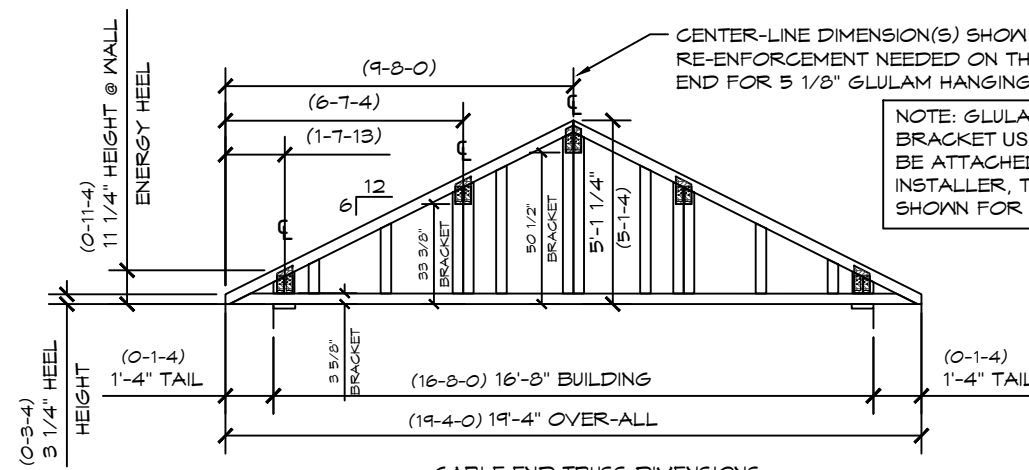
C ELEVATION VIEW
 SCALE: 3/16" = 1'-0"



D ELEVATION VIEW
 SCALE: 3/16" = 1'-0"



STANDARD TRUSS DIMENSIONS
F.I.S. DIMENSIONS IN PARENTHESIS.
ALL DIMENSIONS SHOWN TO BE HELD



GABLE END TRUSS DIMENSIONS
F.I.S. DIMENSIONS IN PARENTHESIS.
ALL DIMENSIONS SHOWN TO BE HELD

NOTE: GLULAM HANGING BRACKET USP GHF51600IF, TO BE ATTACHED IN-FIELD, BY INSTALLER, TYP. GLULAMS SHOWN FOR REFERENCE

CENTER-LINE DIMENSION(S) SHOW WHERE RE-ENFORCEMENT NEEDED ON THE GABLE TRUSS AT EACH END FOR 5 1/8" GLULAM HANGING BRACKET, TYP.

12/04/2023

CERTIFIED MASTER KITCHEN & BATH DESIGNER

CMKBD

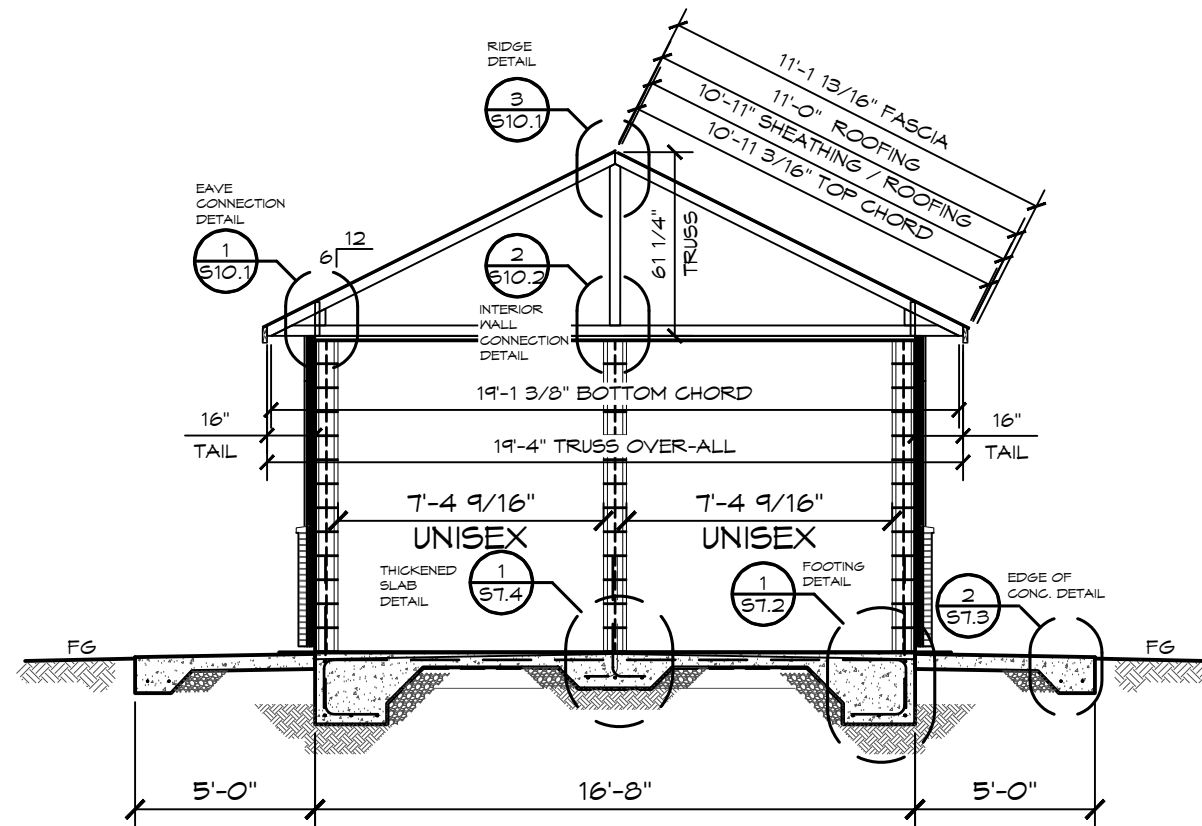
Cassandra Ruport
ID #1063772

★ NKBA ★

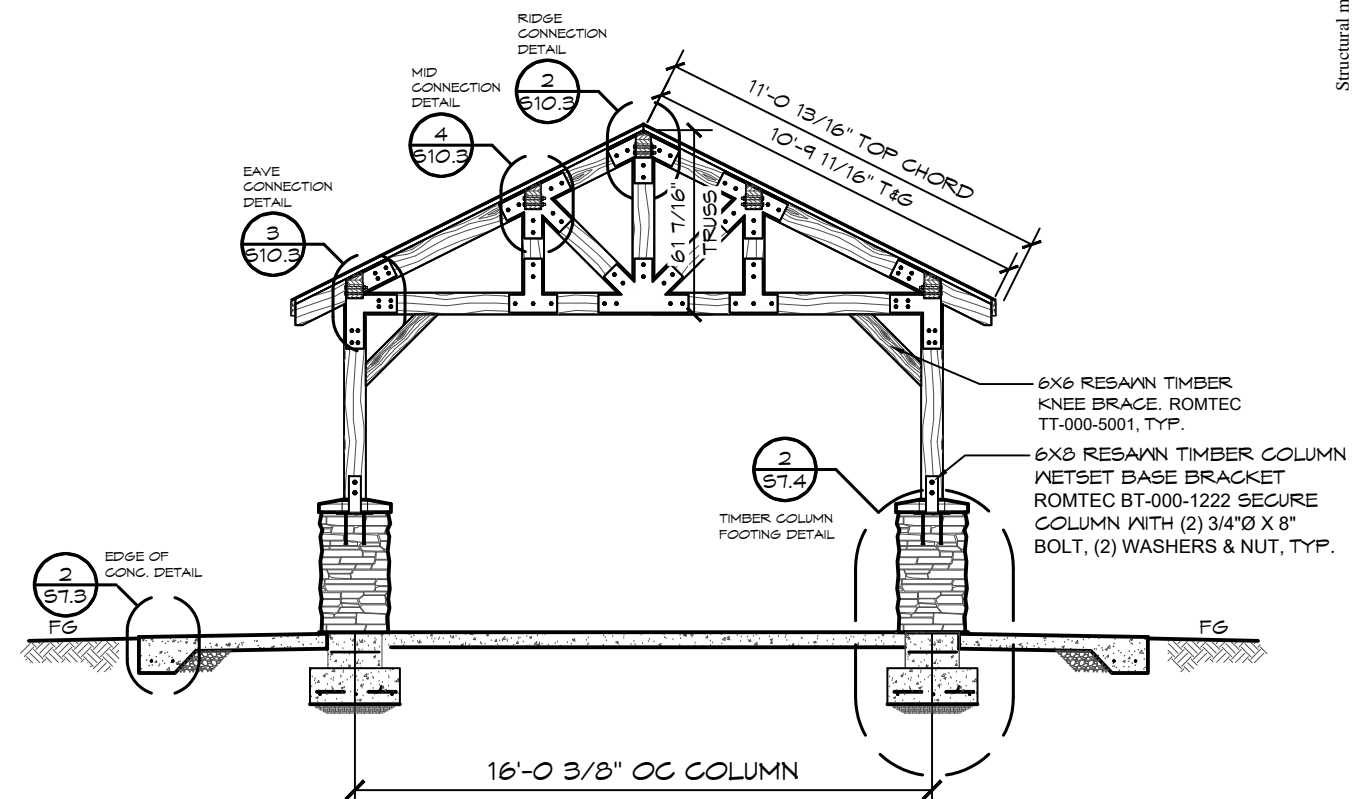
Cassandra Ruport

EXPIRES: 01/01/2025

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1 SECTION VIEW (BUILDING)
SCALE: 3/16" = 1'-0"



2 SECTION VIEW - TIMBER TRUSS (TYP)
SCALE: 3/16" = 1'-0"
TIMBER TRUSS DETAILS SEE SHEET S10.3

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PLAN SET# SCC01

DATE: 11/21/2023

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SHEET TITLE: SECTION VIEWS

ROMTEC #223-101

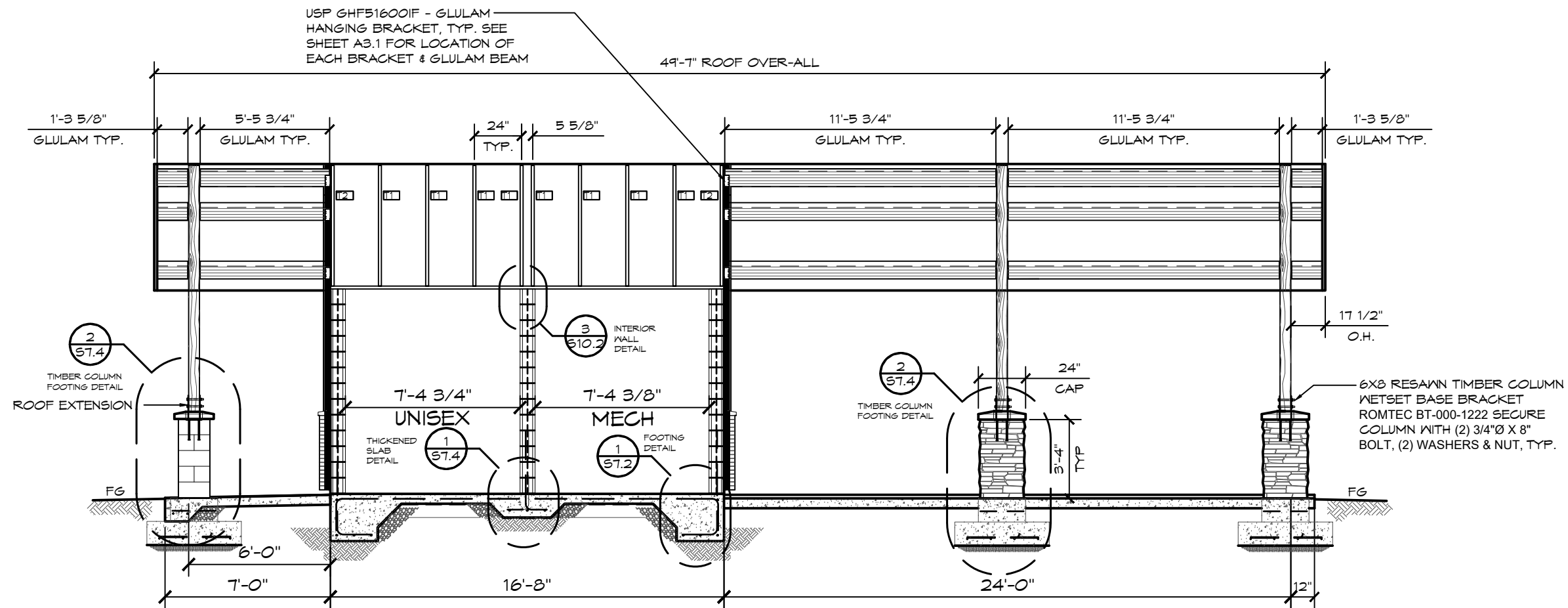
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SHEET NO. **A3.1**



EXPIRES: 01/01/2025



1 SECTION VIEW
SCALE: 3/16" = 1'-0"

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PROJECT: SANDY COMMUNITY CAMPUS PARK SANDY, OREGON

SHEET TITLE: SECTION VIEWS

| | | |
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| DATE: | 11/21/2023 | |
| REVISIONS | | |
| REV. | DATE: | BY: |
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| DRAWN BY: | TY | |

SHEET NO. **A3.2**

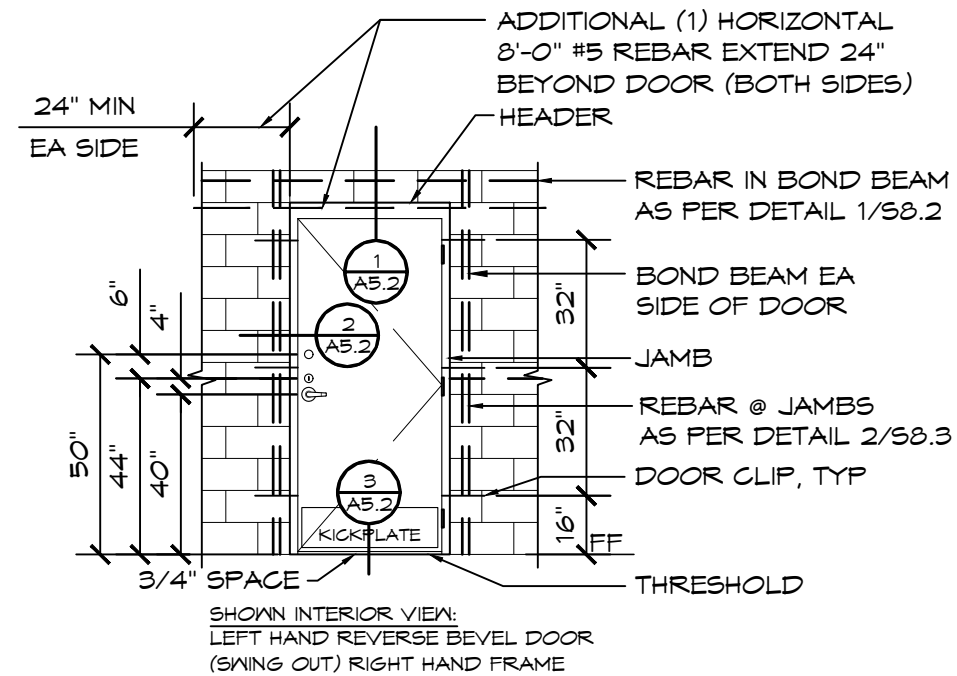
DOOR SCHEDULE

| NO | SIZE (WxHxT) | DOOR | FRAME | SWING - DOOR / FRAME | HARDWARE GROUP | REMARKS |
|----|----------------|------|-------|--|----------------|--------------------------|
| 1 | 36"x84"x1 3/4" | SL18 | F16 | INTERIOR LEFT HAND (REVERSE) SWING OUT / RIGHT HAND | DO~ 1 | ALL DOOR ~ POWDERCOATED |
| 2 | 36"x84"x1 3/4" | SL18 | F16 | INTERIOR RIGHT HAND (REVERSE) SWING OUT / LEFT HAND | DO~ 1 | ALL DOOR ~ POWDERCOATED |
| 3 | 72"x84"x1 3/4" | SL18 | F16 | RH INTERIOR LEFT HAND (REVERSE) SWING OUT / RIGHT HAND | DO~ 2 | DOUBLE DOOR POWDERCOATED |

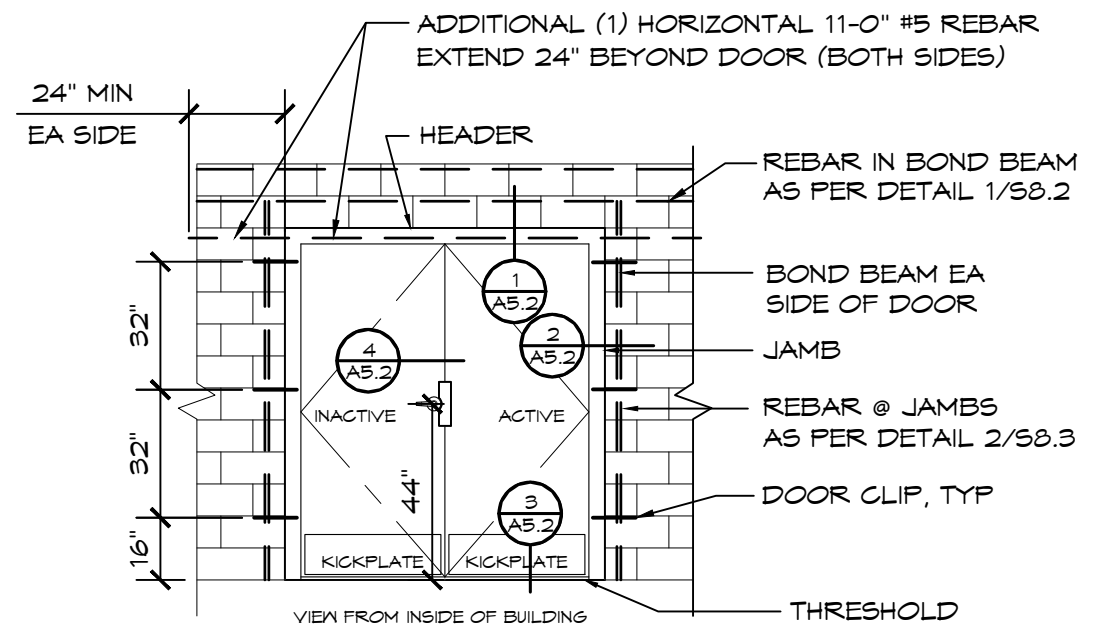
DOOR HARDWARE SCHEDULE (QTYS PER DOOR)

| GROUP DO-1 | GROUP DO-2 | DESCRIPTION |
|------------|------------|--|
| 3 | 6 | EACH HINGE 4.5" x 4.5" S.S. (NRP) |
| 1 | 1 | EXTRA HEAVY DUTY 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 |
| 1 | - | EACH POWER DOOR LOCK- ELECTROMAGNETIC LOCK W/ DELAYED ACTION SWITCH, SHARED TIMER |
| 1 | 2 | KICK PLATE, 10" X 34" |
| 1 | 1 | THRESHOLD |
| 1 | 1 | SWEEP |
| - | 1 | FULL HEIGHT ASTRAGAL |
| - | 2 | FLUSH BOLTS |
| 6 | 6 | WIRE DOOR CLIPS |

NOTE: ALL DOORS MAY BE OPENED FROM THE INSIDE W/O KEY, SPECIAL KNOWLEDGE, OR EFFORT. 5# MAX OPENING EFFORT DOOR IS EQUIPPED W/ SINGLE-EFFORT, NON-GRASP HARDWARE. DOOR COMPLIES WITH ADA REQUIREMENT FOR AN INSIDE LOCK.



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



2 DOOR DETAIL
SCALE: 1/4" = 1'-0"

12/04/2023

CMKBD
Cassandra Ruport
ID #1063772

★ NKBA ★
Cassandra Ruport

EXPIRES: 01/01/2025

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PROJECT: SANDY COMMUNITY CAMPUS PARK
SANDY, OREGON

SHEET TITLE: DOOR SCHEDULE

PLAN SET# SCC01
DATE: 11/21/2023

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SHEET NO.
A5.1



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PROJECT: SANDY COMMUNITY CAMPUS PARK SANDY, OREGON

SHEET TITLE: DOOR DETAILS

PLAN SET# SCC01

DATE: 11/21/2023

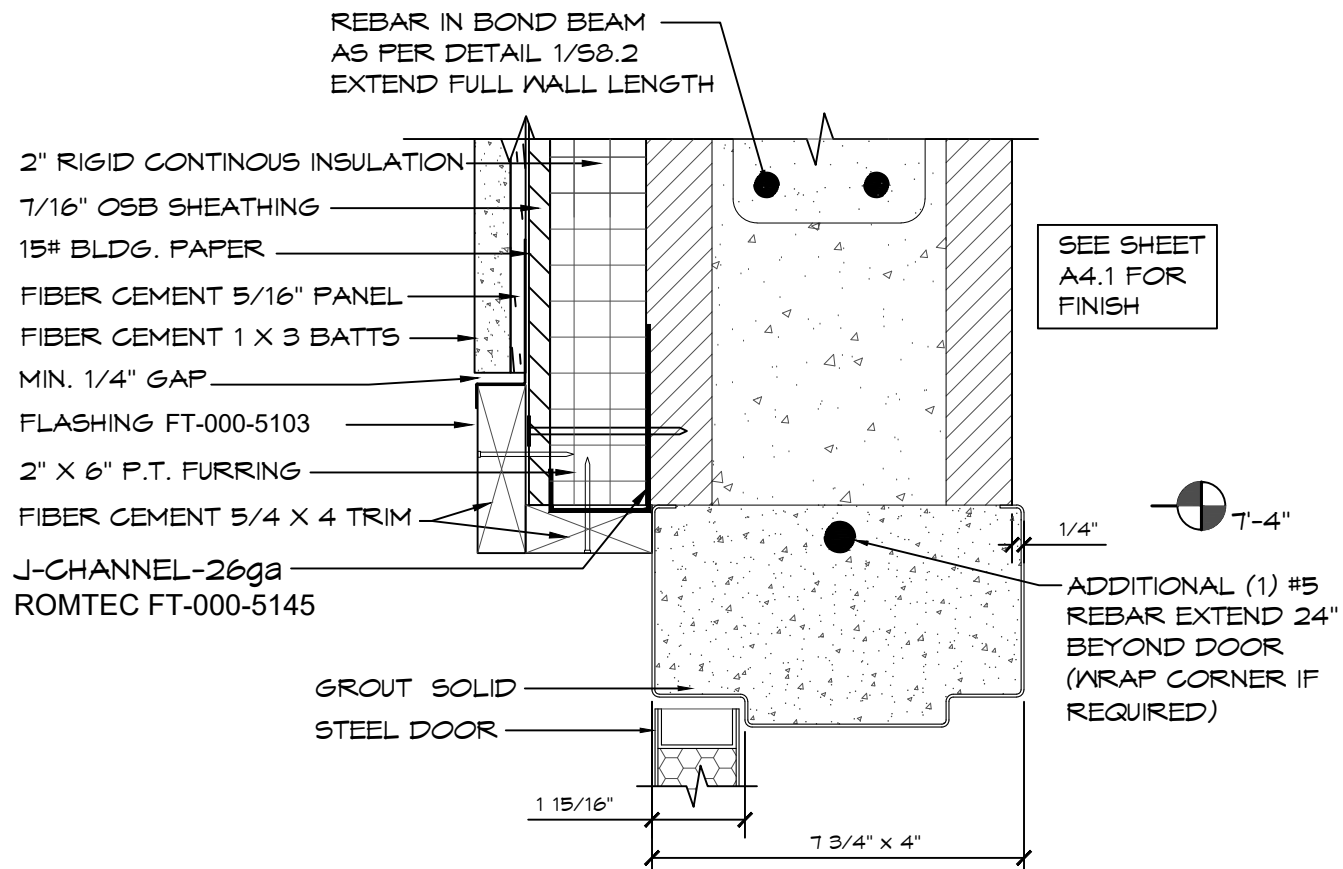
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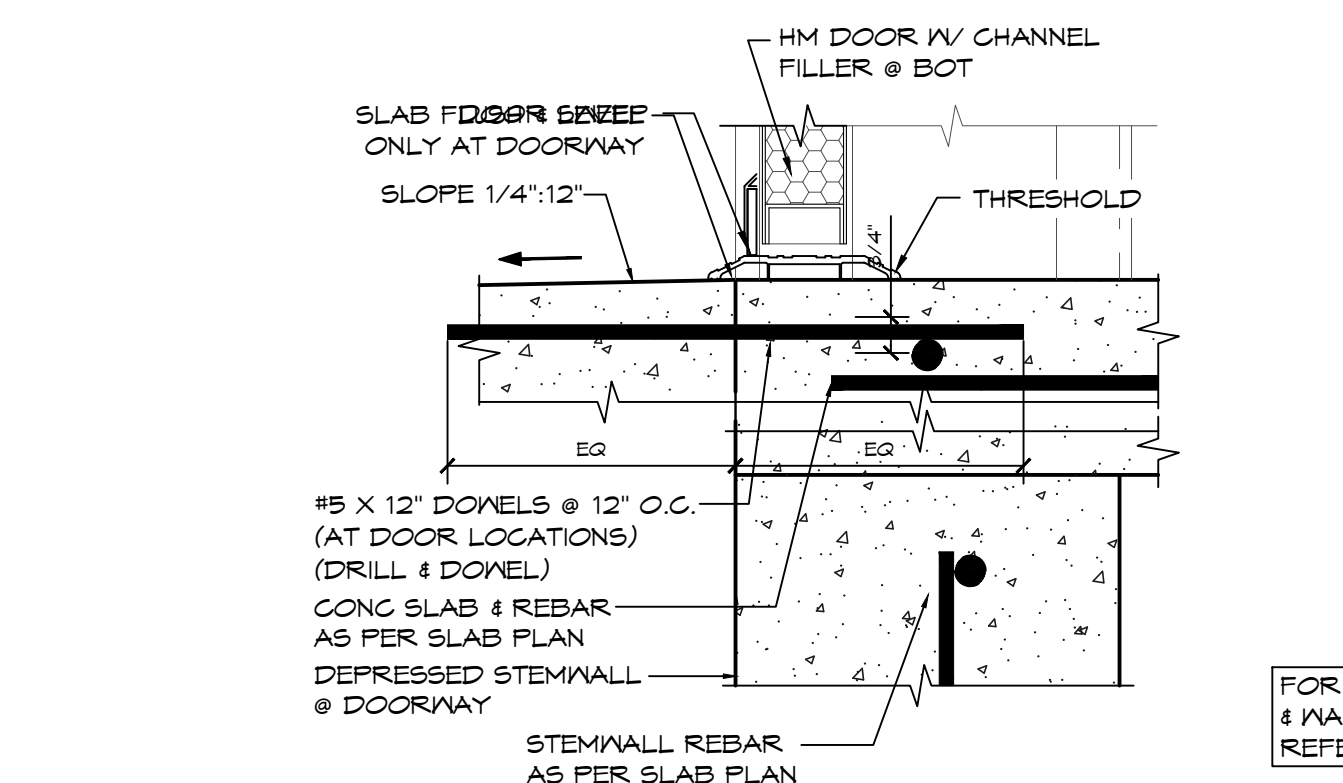
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SHEET NO.

A5.2

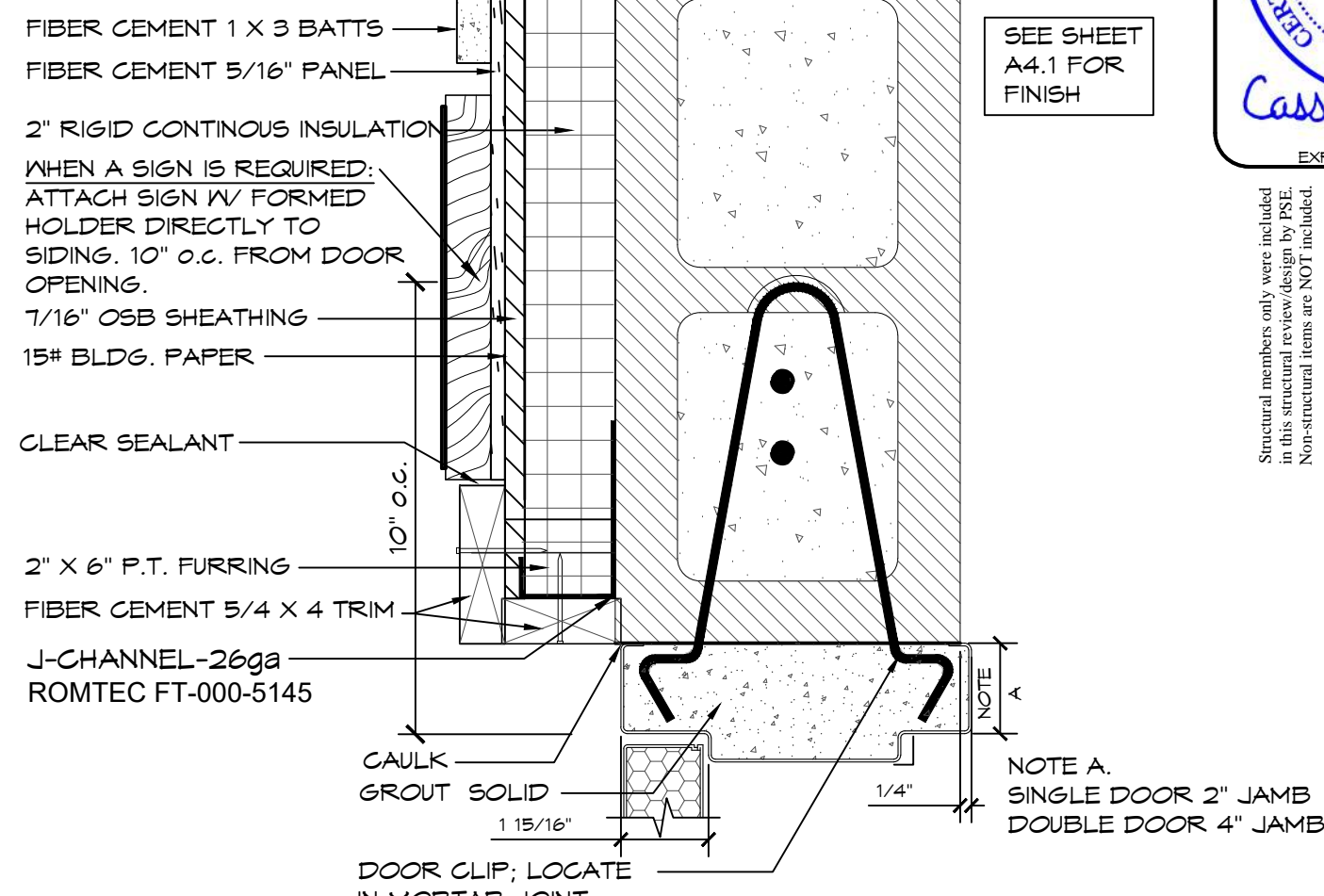


1 **HEADER DETAILS**
SCALE: 3" = 1'-0"



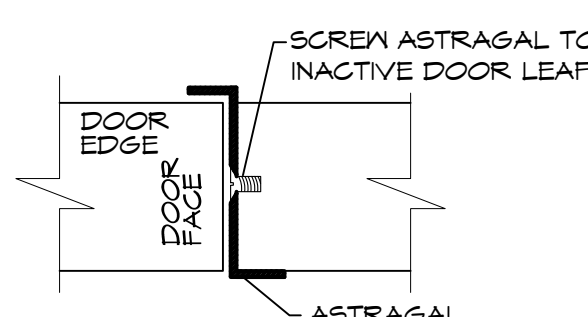
3 **THRESHOLD DETAIL**
SCALE: 3" = 1'-0"

FOR ADDITIONAL SIDING & WALL FINISH DETAILS REFER TO SHEET A4.2



2 **JAMB DETAIL**
SCALE: 3" = 1'-0"

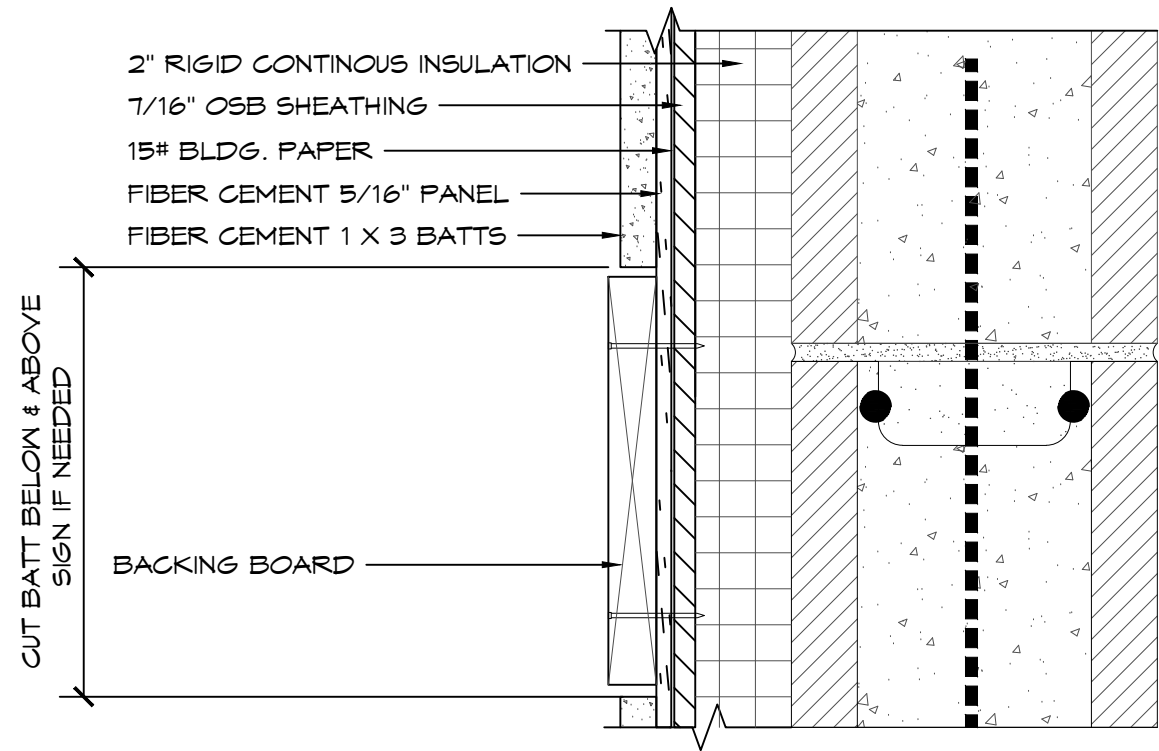
NOTE A.
SINGLE DOOR 2" JAMB
DOUBLE DOOR 4" JAMB



4 **ASTRAGAL DETAIL**
SCALE: HALF



EXPIRES: 01/01/2025



1A SIGN DETAIL
SCALE: 3" = 1'-0"

1B WHEN A SIGN IS REQUIRED
BACKING BOARD - FIELD CUT
(5/4" X 4" FIBER CEMENT)

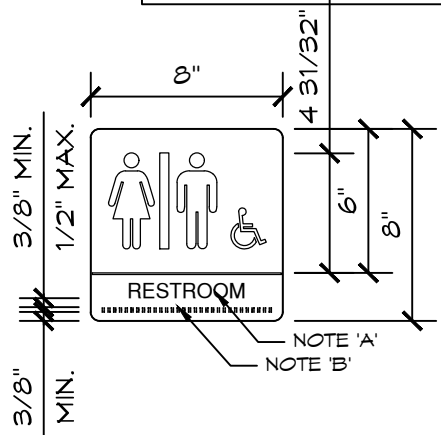
- FOR LAP OR SHAKE SIDING ONLY!
FOR OTHER FINISHES SEE 2/A5.2
- ATTACH BACKING BOARD 10" o.c.,
FROM DOOR OPENING (LATCH
SIDE)
- LOCATIONS & HEIGHT OF SIGN
REQUIREMENTS PER PLANS

SCALE: 1" = 1'-0"

FOR 6"x9" SIGN

FOR 8"x8" SIGN

SIGN FASTENERS: CONCRETE/CMU
(4) 3/16" X 1 3/4" 410SS PHILLIPS FLAT
HEAD CONCRETE ANCHOR



NOTES:
A) CHARACTERS ON SIGNS SHALL BE
RAISED 1/32" INCH MINIMUM AND SHALL
BE 'SANS SERIF' UPPERCASE
CHARACTERS ACCOMPANIED BY GRADE II
BRAILLE (WHERE REQUIRED). RAISED
CHARACTERS SHALL BE A MINIMUM OF
5/8" INCH AND A MAXIMUM OF 2" INCHES
HEIGHT.
B) CONTRACTED GRADE II BRAILLE
SHALL BE USED WHENEVER BRAILLE IS
REQUIRED. DOTS SHALL BE 1/10" TH INCH
ON CENTERS IN EACH CELL WITH A 2/10TH
INCH SPACE BETWEEN CELLS, MEASURED
FROM THE SECOND COLUMN OF DOTS IN
THE FIRST CELL TO THE FIRST COLUMN
OF DOTS IN THE SECOND CELL. DOTS
SHALL BE A RAISED A MINIMUM OF 1/40TH
(0.025) INCH ABOVE THE BACKGROUND.

1 ADA SIGNS DETAIL
SCALE: 1 1/2" = 1'-0"

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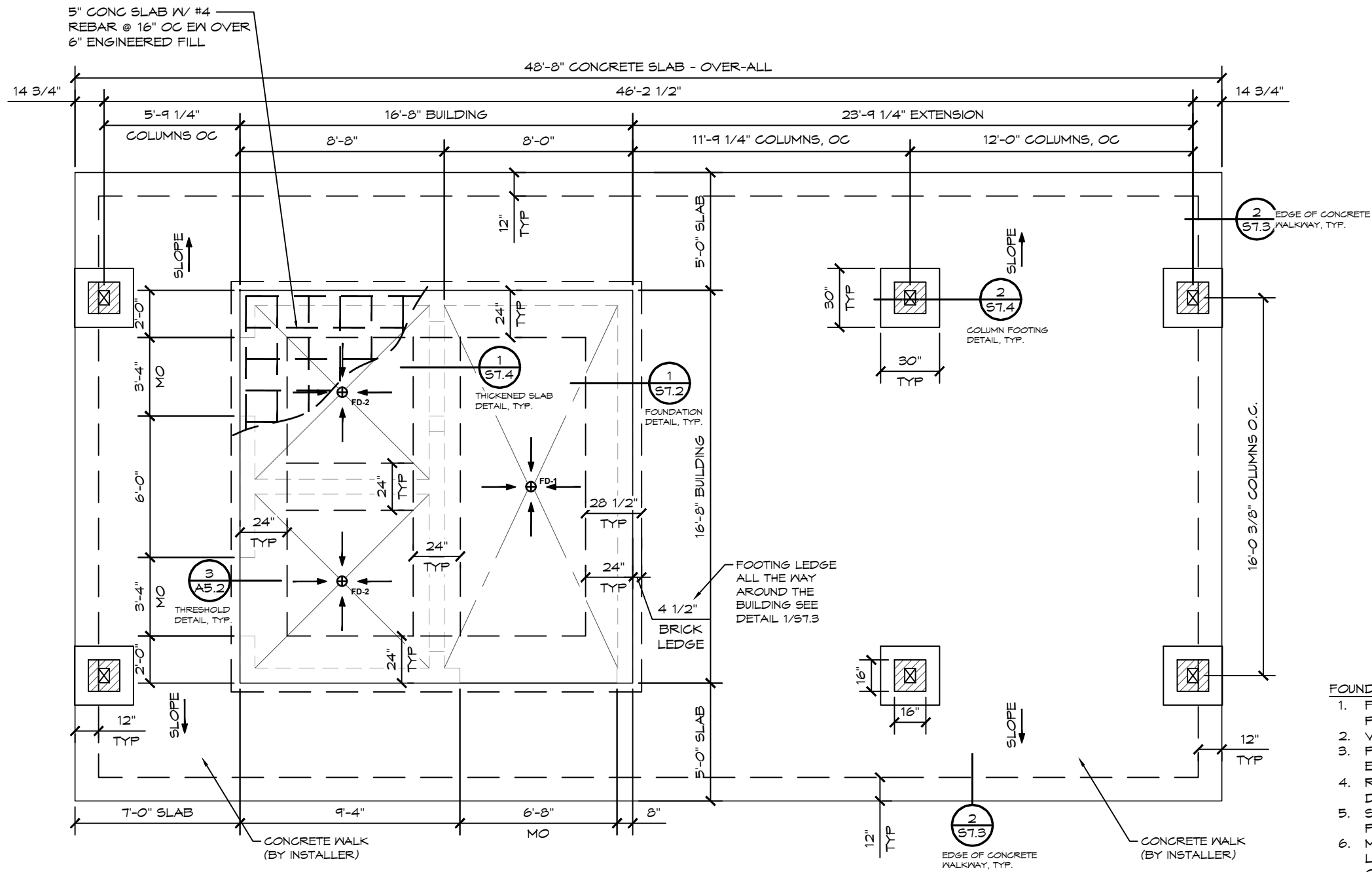
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A5.3

12/4/2023



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RECYCLE

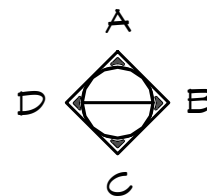
RECYCLE ALL USED SHIPPING MATERIALS AND LEFT OVER BUILDING MATERIALS

FOUNDATION NOTES:

1. FINISH FLOOR SLOPE IS 2% (1/4" PER FT) MAX & 1% (1/8" PER FT) MIN
2. VERIFY SIDEWALKS W/ OWNER
3. PROVIDE BLOCK-OUTS FOR PLUMBING, MECHANICAL, & ELECTRICAL AS REQD. CO-ORDINATE W/ SUBS.
4. REBAR MIN. BEND SHALL BE NOT LESS THAN 6db INSIDE DIA. AS PER TMS 402-16 SECTION 6.1.8.2.
5. SAW JOINTS BY CONTRACTOR. SLAB APPEARANCE IS A PRIORITY. LOCATE JOINTS AT 10' O.C. MAX. SEE 3/ST.3.
6. MAXIMUM SLOPE OF EXCAVATION MAY BE LIMITED BY LOCAL SOIL CONDITIONS. INCREASE DEPTH OF FORMED CONCRETE AS REQD.
7. CONCRETE SLAB BENEATH FLOOR MOUNTED FIXTURES ARE TO BE GROUTED LEVEL AND SMOOTH.
8. UNDER FOOTINGS: 12" FILL COMPACTED TO 90% ASTM D 1557 TO MEET OR EXCEED ALLOWABLE BEAR PRESSURE ON SHEET G2.
- UNDER SLAB: 6" FILL COMPACTED TO 90% ASTM D 1557 TO MEET OR EXCEED ALLOWABLE BEAR PRESSURE ON SHEET G2.

1 FOUNDATION PLAN

SCALE: 3/16" = 1'-0"



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SHEET TITLE: FOUNDATION PLAN

12/4/2023



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PROJECT:
**SANDY COMMUNITY CAMPUS PARK
 SANDY, OREGON**

SHEET TITLE: **FOUNDATION DETAILS**

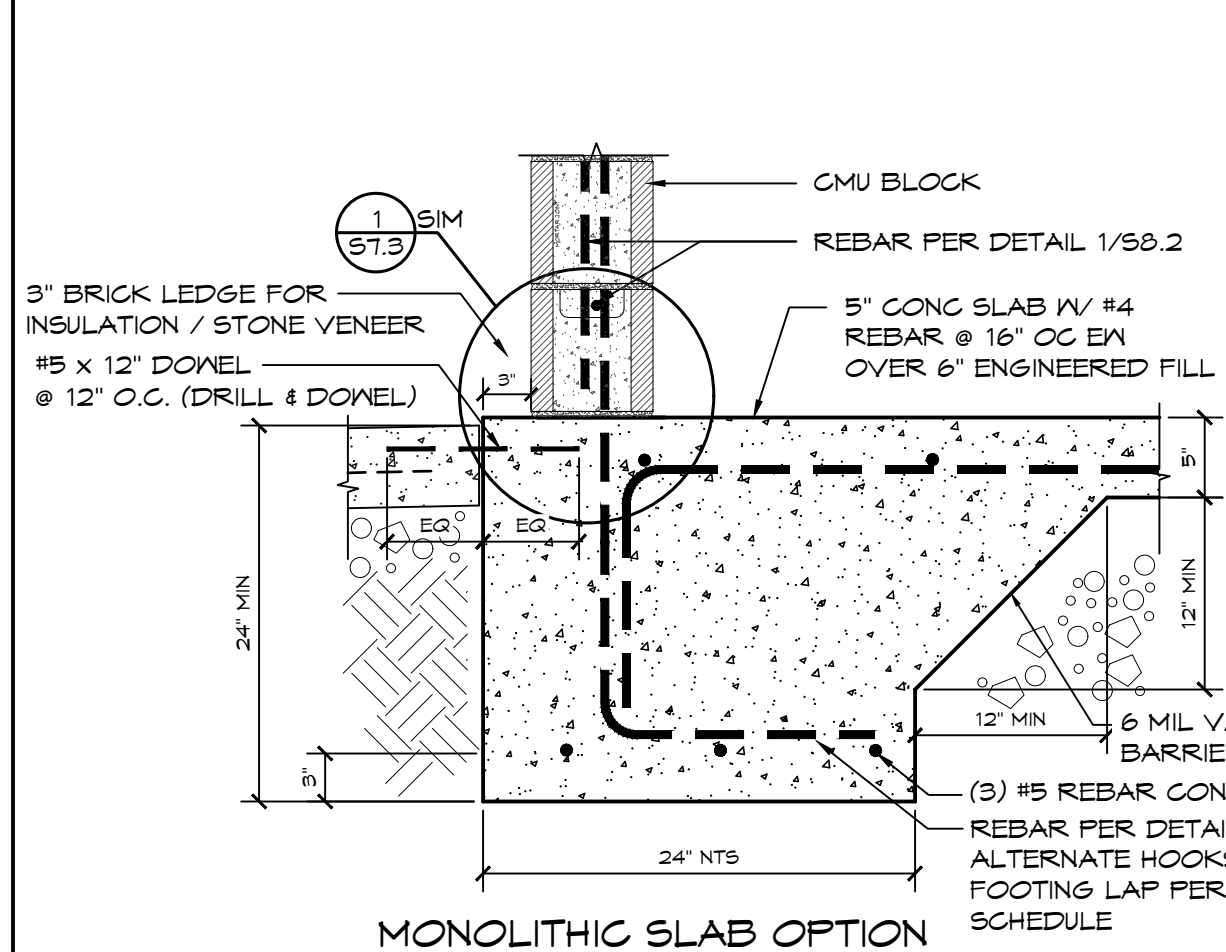
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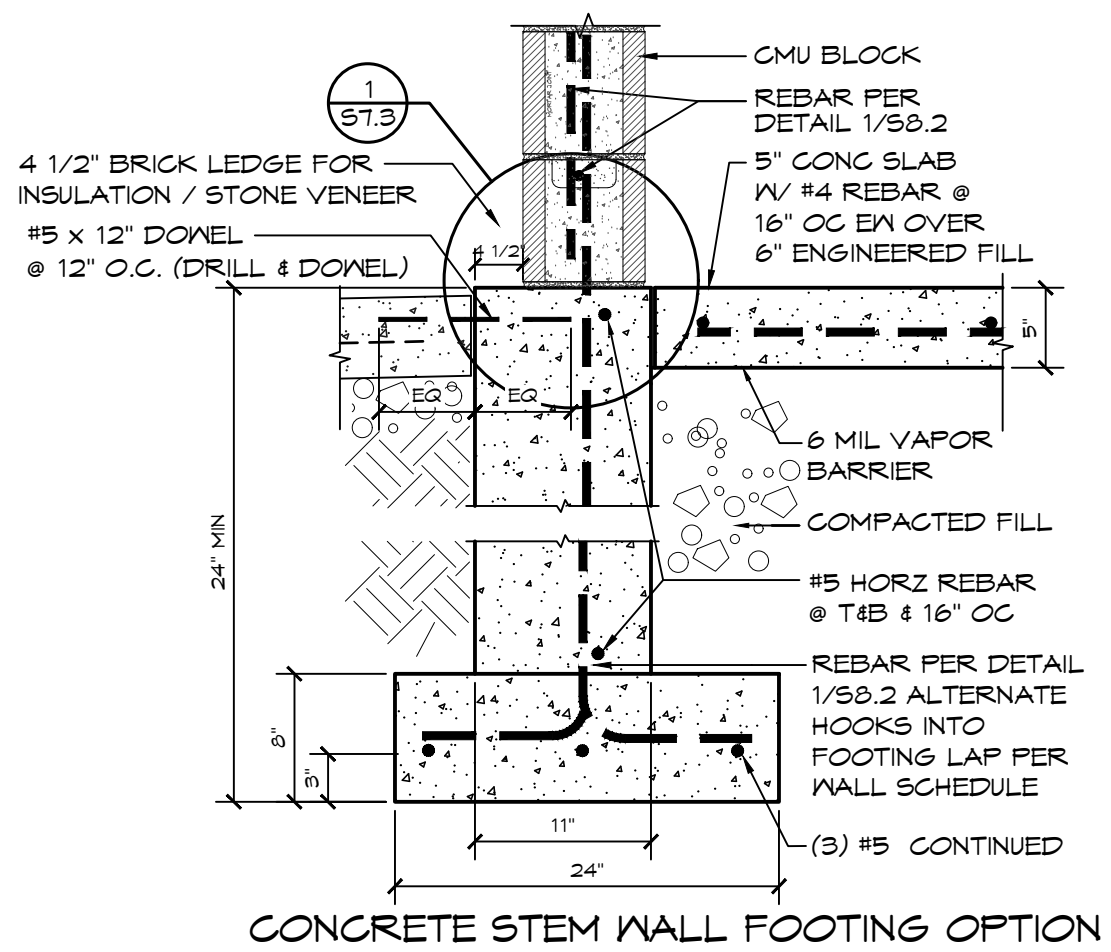
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MONOLITHIC SLAB OPTION



CONCRETE STEM WALL FOOTING OPTION

FOUNDATION DETAIL

SCALE: N.T.S.

1

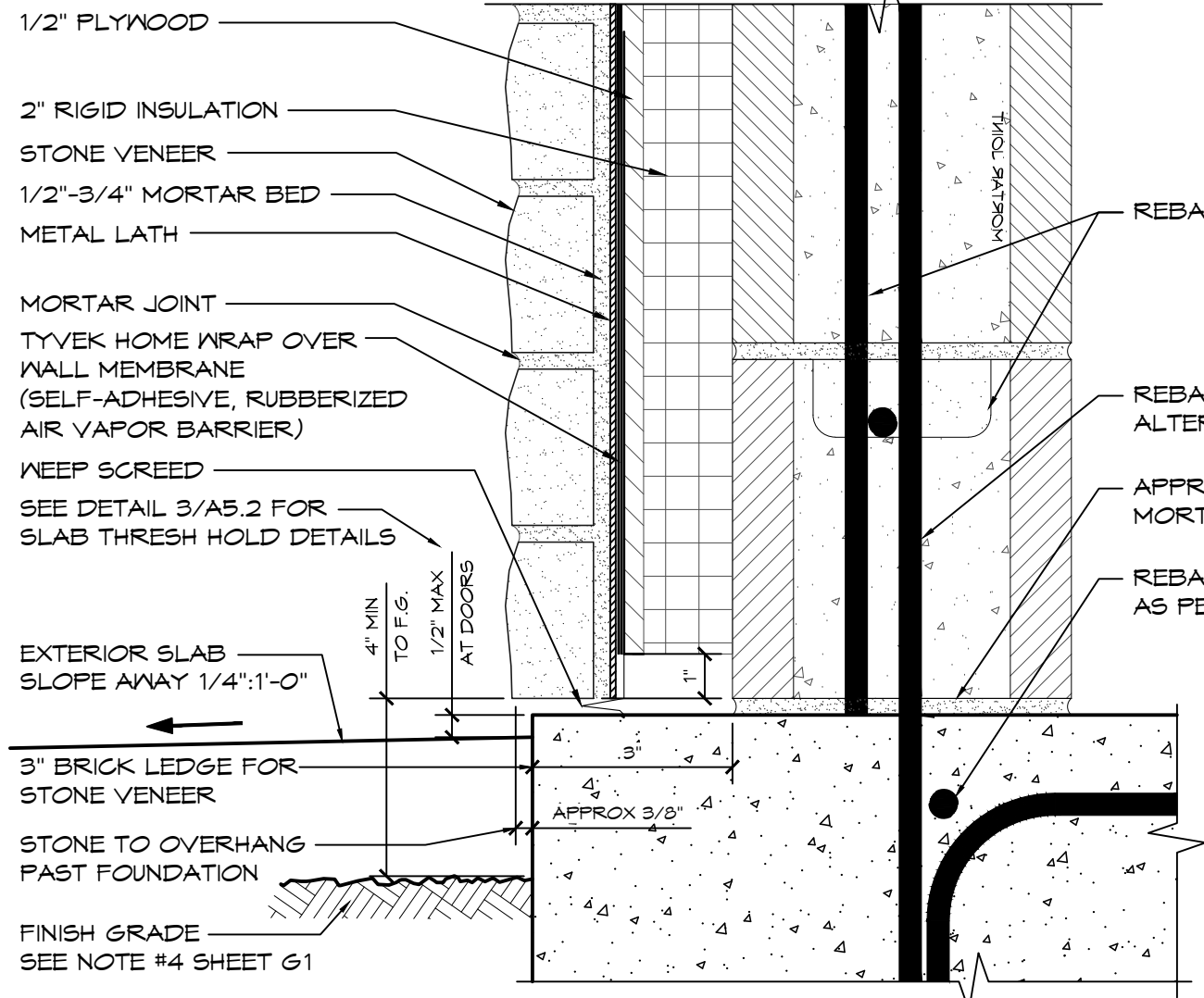
SHEET NO. **S7.2**

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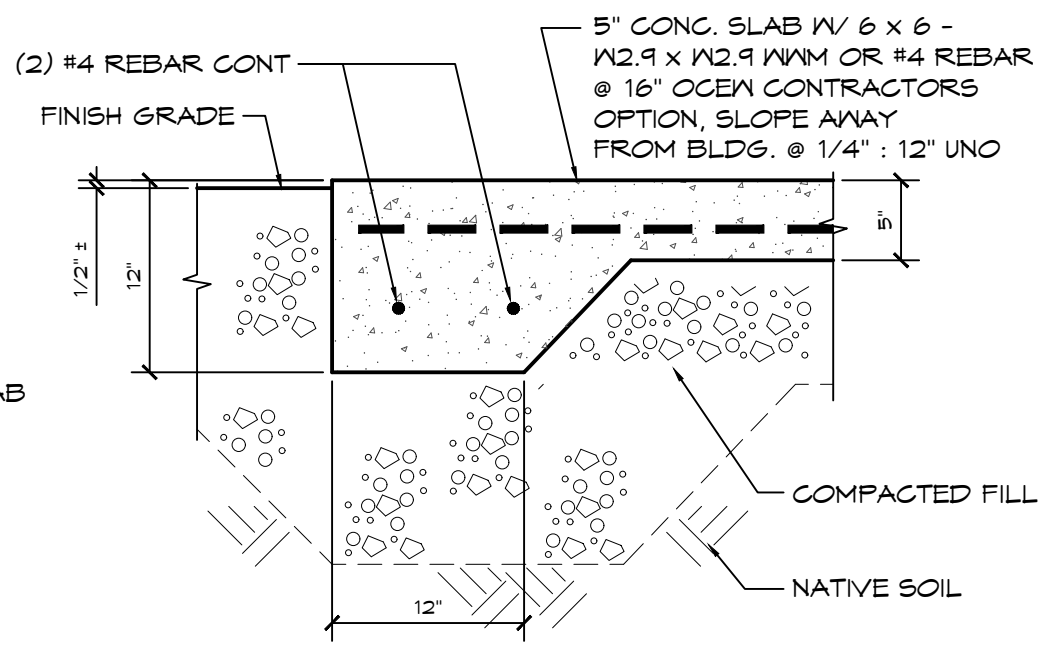


EXPIRES: 6/30/2025

STONE VENEER: INSTALL PER MANUFACTURER INSTALL. INSTRUCTIONS

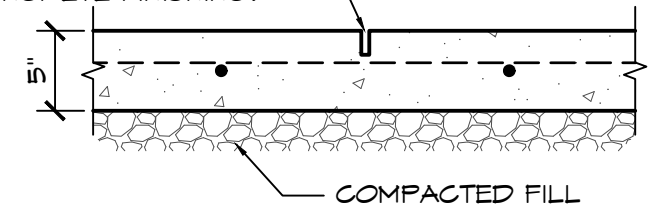


1 WALL-SLAB CONNECTION - MONO
SCALE: 3" = 1'-0"



2 EDGE OF CONC. WALKWAY
SCALE: 1" = 1'-0"

MAKE SAWCUT 1 1/2" DEEP WITHIN 24 HRS OF POUR "DO NOT CUT BARS". FILL W/ EXPANDING JOINT COMPOUND. MAXIMUM JOINT SPACING = 10'-0". AT INSTALLER'S OPTION, CONTROL JOINT MAY BE TOOLED DURING CONCRETE FINISHING.



3 SAWCUT JOINT
SCALE: 1" = 1'-0"

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PLAN SET# SCC01
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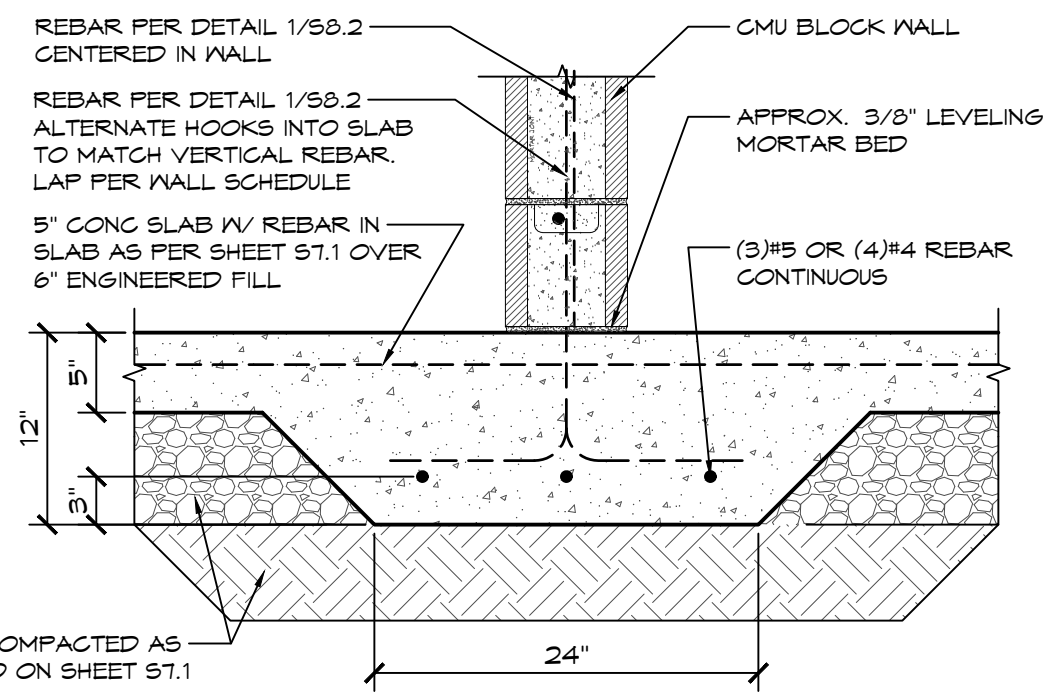
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SHEET NO. **S7.3**

12/4/2023



EXPIRES: 6/30/2025

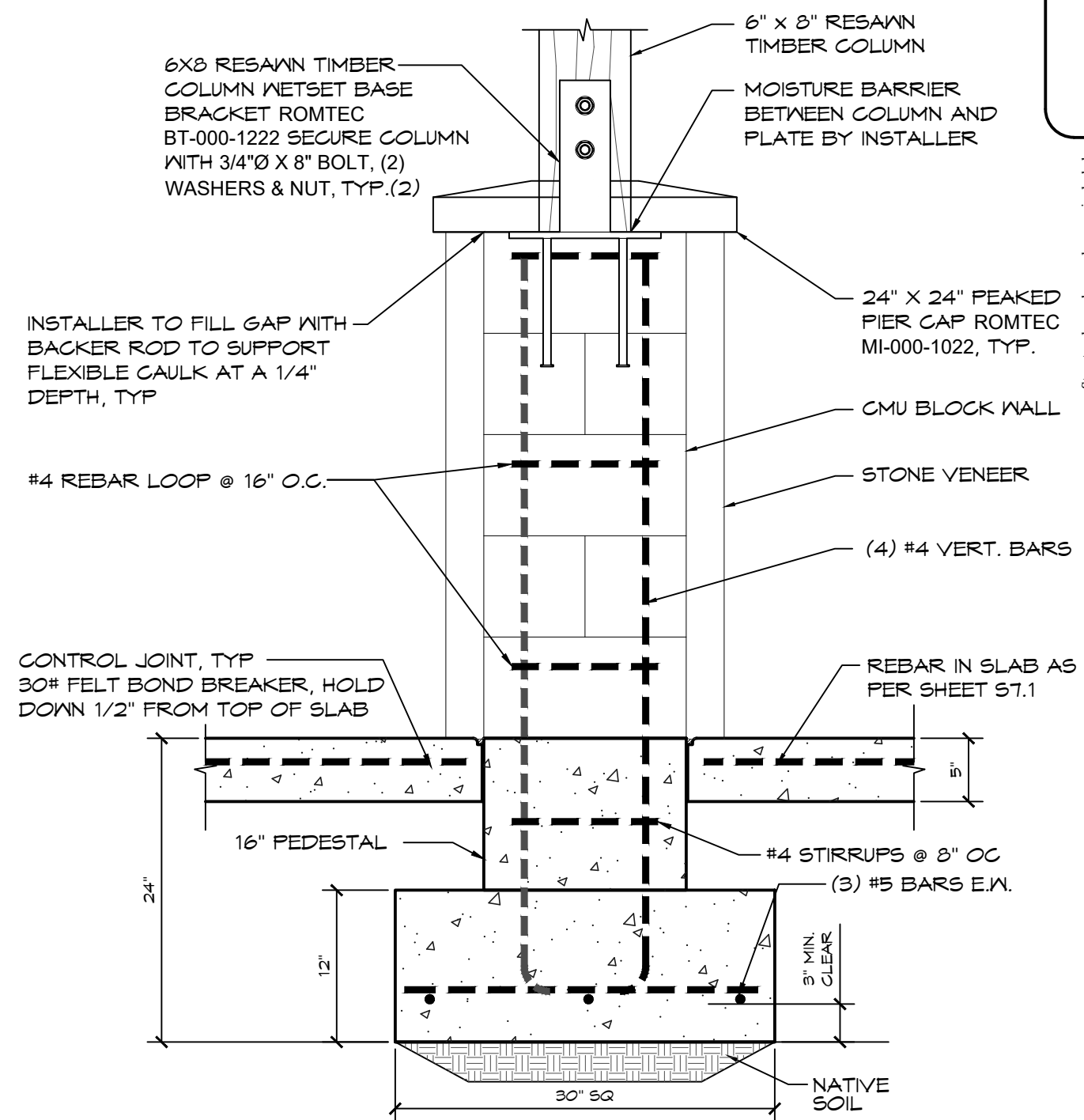


FILL COMPACTED AS NOTED ON SHEET S7.1

1

THICKENED SLAB AT INTERIOR WALL

SCALE: 1" = 1'-0"



2

COLUMN FOOTING DETAIL

SCALE: 1" = 1'-0"

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PROJECT: SANDY COMMUNITY CAMPUS PARK SANDY, OREGON
SHEET TITLE: FOUNDATION DETAILS

PLAN SET# SCC01
DATE: 11/21/2023
REVISIONS
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SHEET NO. S7.4

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

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


12/4/2023



EXPIRES: 6/30/2025

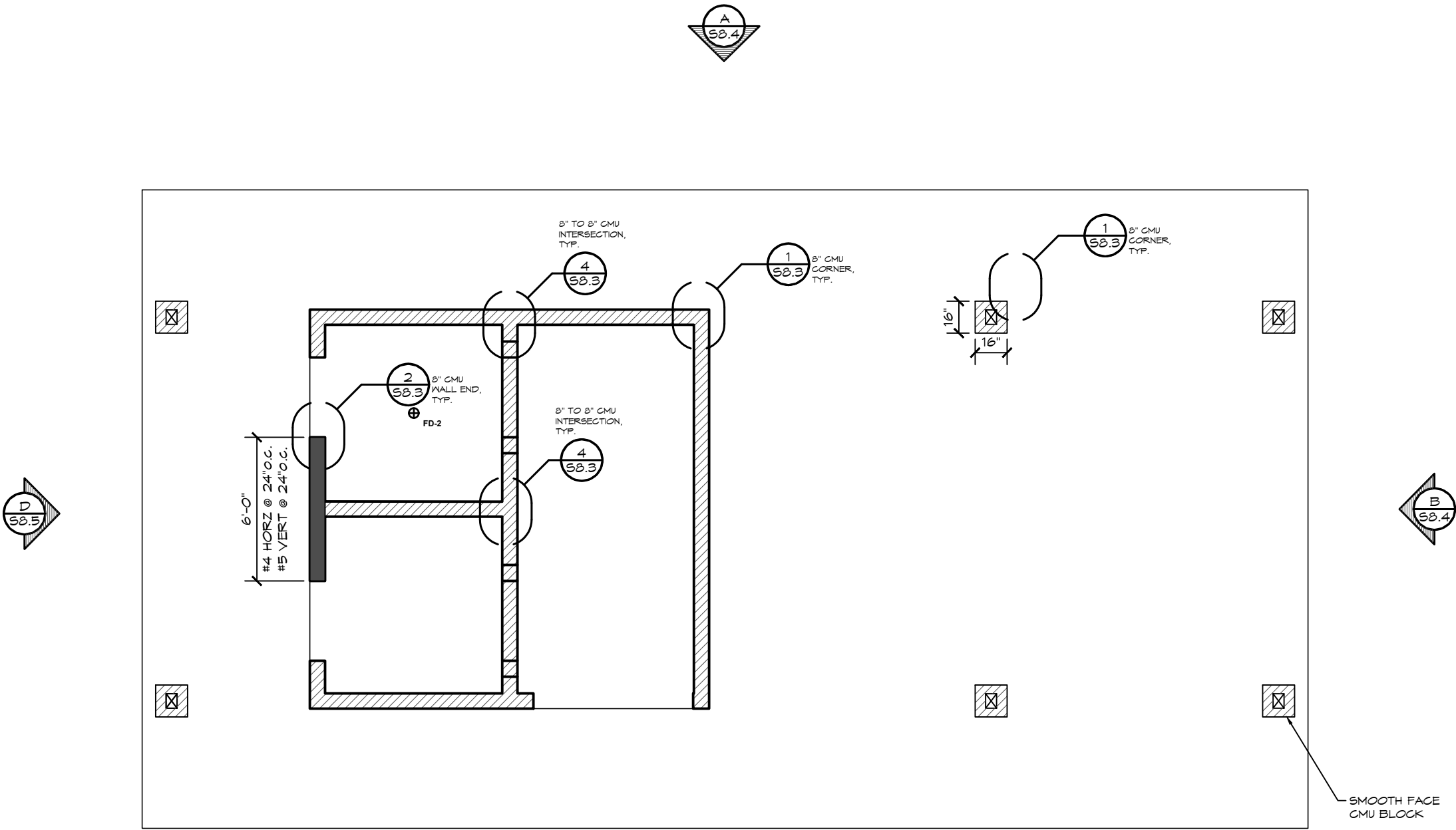
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| | | |
|--|-------------------|-----|
| PROJECT: SANDY COMMUNITY CAMPUS PARK SANDY, OREGON | | |
| SHEET TITLE: STRUCTURAL CMU PLAN | | |
| PLAN SET# | SCC01 | |
| DATE: | 11/21/2023 | |
| REVISIONS | | |
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| | | |
| DRAWN BY: TY | | |

SHEET NO.
S8.1



1 **STRUCTURAL CMU PLAN**
SCALE: 3/16" = 1'-0"



12/4/2023



EXPIRES: 6/30/2025

| CMU REBAR SCHEDULE | | |
|--------------------|----------|---------------|
| REBAR | MIN. LAP | BEND DIAMETER |
| #4 | 24" | 3" MIN. |
| #5 | 30" | 3-3/4" MIN. |

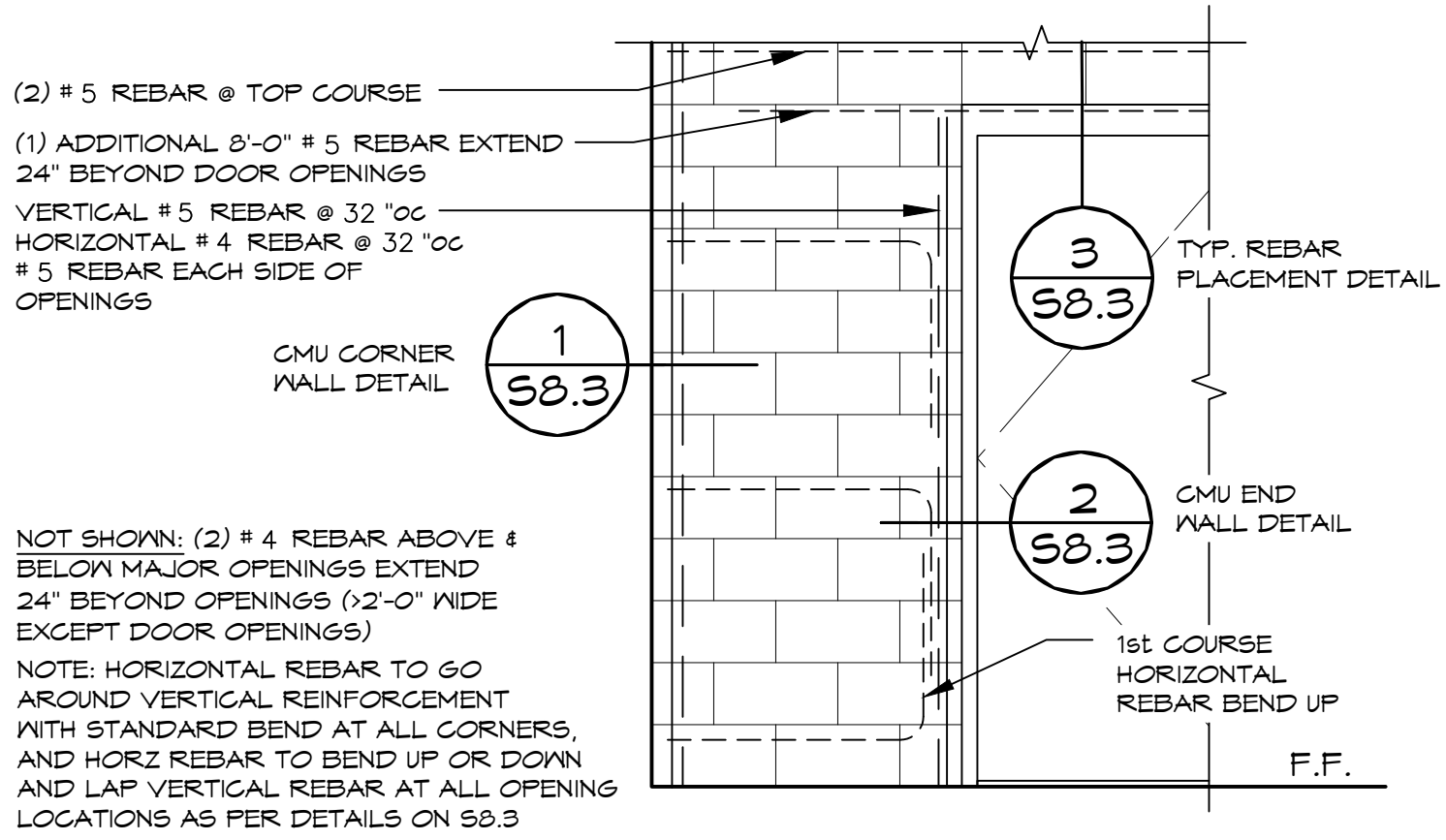
CMU REBAR NOTES:
 - BENDS: MIN. INSIDE BEND DIAMETER SHALL BE NOT LESS THAN $6d$ AS PER TMS 402-16 SECTION 6.1.8.2
 - SPLICES: LAP SPLICES ARE PERMITTED AS PER TMS 402-16 SECTION 6.1.6.1.1

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: SANDY COMMUNITY CAMPUS PARK SANDY, OREGON
 SHEET TITLE: STRUCTURAL CMU REBAR LAYOUT
 PLAN SET# SCC01
 DATE: 11/21/2023
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(2) # 5 REBAR @ TOP COURSE
 (1) ADDITIONAL 8'-0" # 5 REBAR EXTEND 24" BEYOND DOOR OPENINGS
 VERTICAL # 5 REBAR @ 32" OC
 HORIZONTAL # 4 REBAR @ 32" OC
 # 5 REBAR EACH SIDE OF OPENINGS

CMU CORNER WALL DETAIL

TYP. REBAR PLACEMENT DETAIL

CMU END WALL DETAIL

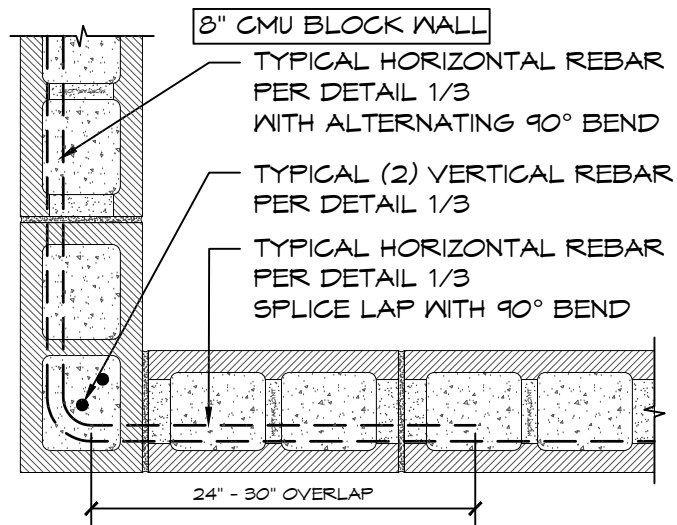
1st COURSE HORIZONTAL REBAR BEND UP

F.F.

NOT SHOWN: (2) # 4 REBAR ABOVE & BELOW MAJOR OPENINGS EXTEND 24" BEYOND 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

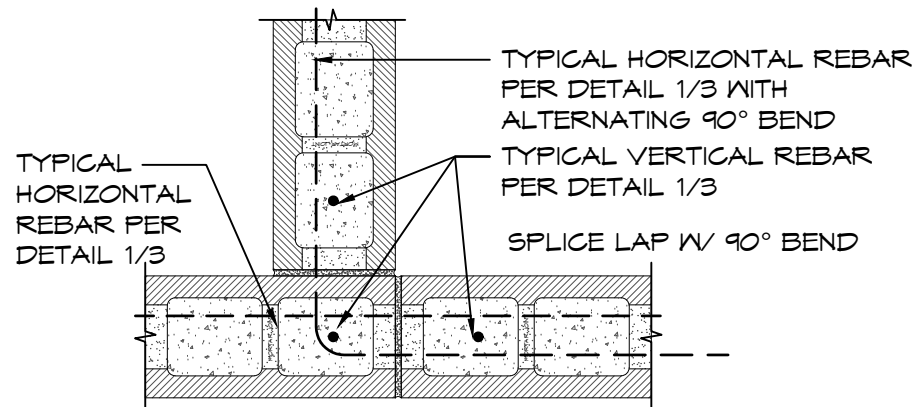
1 CMU REBAR LAYOUT DETAIL
 SCALE: 1/2" = 1'-0"

SHEET NO. **S8.2**



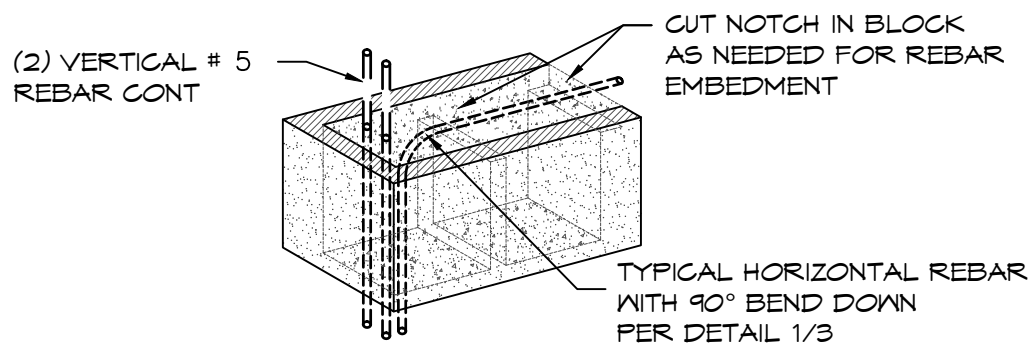
1 MORTAR JOINT CMU CORNER DETAIL

SCALE: 1" = 1'-0"



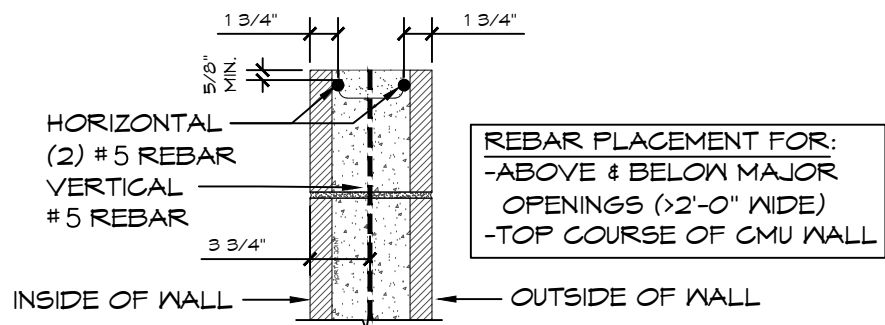
8" TO 8" MORTAR JOINT CMU INTERSECTION DETAIL

SCALE: 1" = 1'-0"



2 MORTAR JOINT CMU WALL END DETAIL

SCALE: 1" = 1'-0"



NOTE: REBAR INSTALLED AS PER ACI 530-11

3 8" CMU REBAR PLACEMENT

SCALE: 1" = 1'-0"



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PROJECT:
**SANDY COMMUNITY CAMPUS PARK
SANDY, OREGON**

SHEET TITLE: **STRUCTURAL CMU DETAILS**

PLAN SET#
SCCO1

DATE:
11/21/2023

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TY

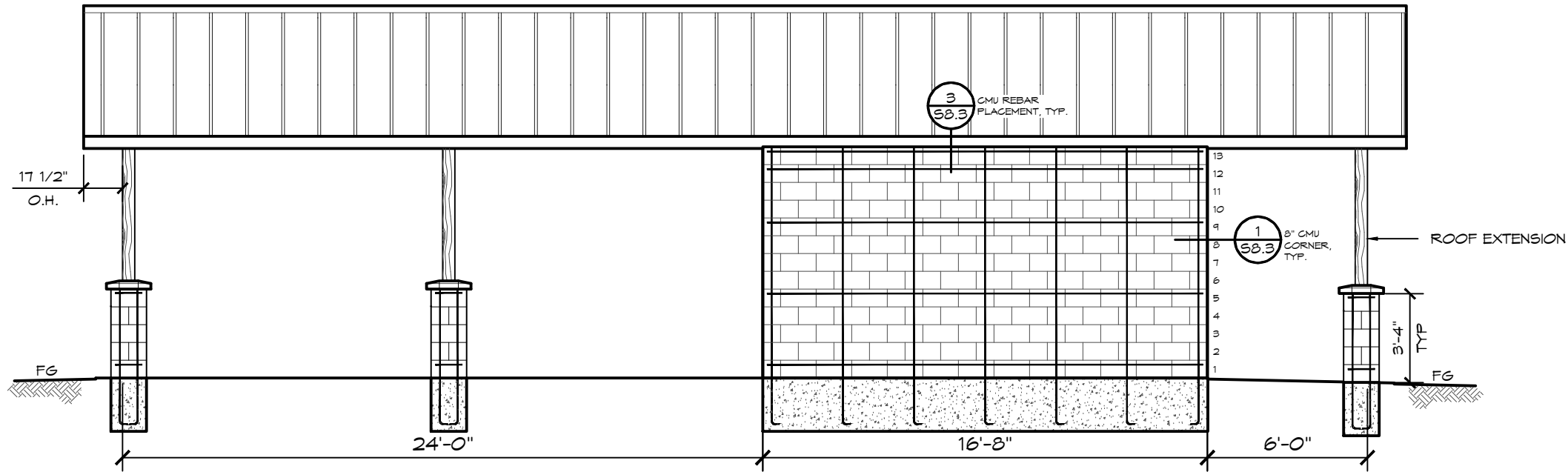
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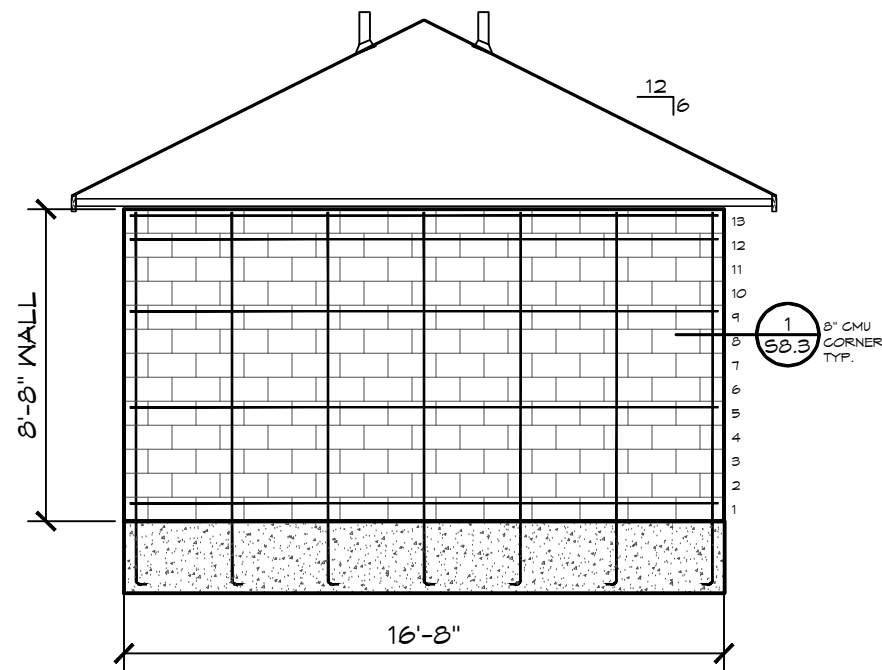
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A CMU ELEVATION VIEW
SCALE: 3/16" = 1'-0"



B CMU ELEVATION VIEW
SCALE: 3/16" = 1'-0"

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| SANDY, OREGON | | |
| SHEET TITLE: STRUCTURAL CMU ELEVATION VIEWS | | |
| PLAN SET# | SCC01 | |
| DATE: | 11/21/2023 | |
| REVISIONS | | |
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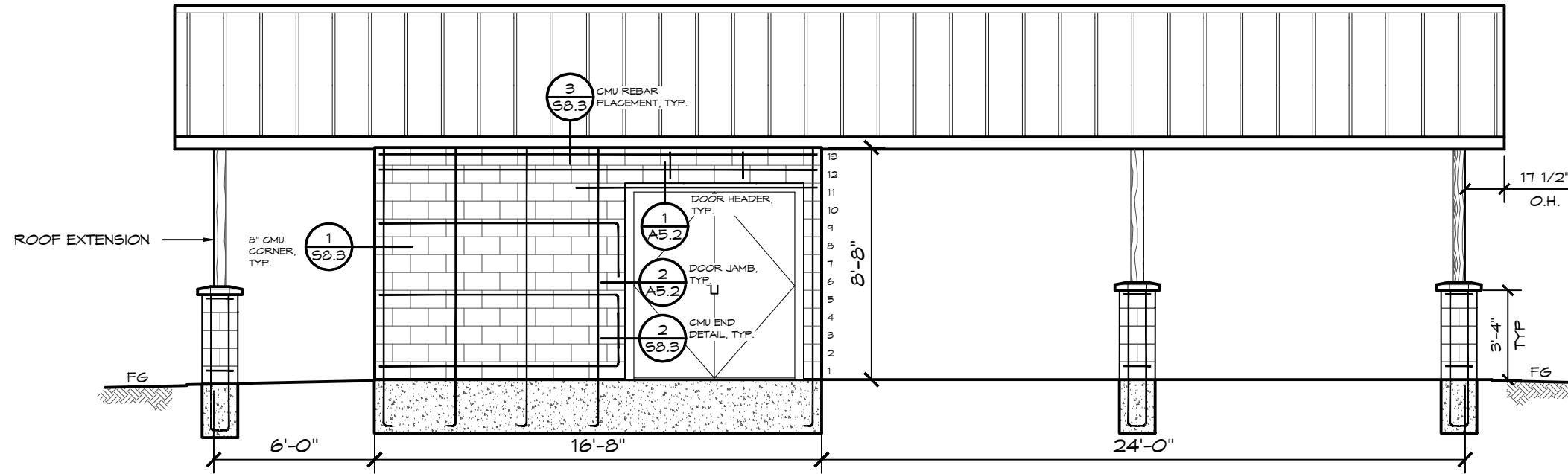
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SHEET NO. **S8.4**

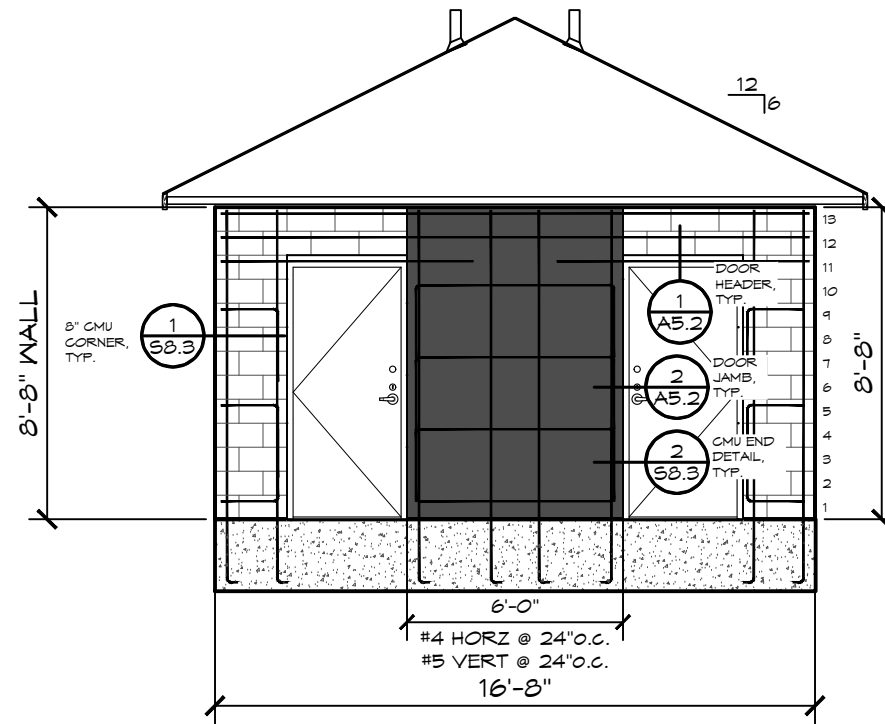
12/4/2023



EXPIRES: 6/30/2025



C CMU ELEVATION VIEW
SCALE: 3/16" = 1'-0"



D CMU ELEVATION VIEW
SCALE: 3/16" = 1'-0"

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PROJECT: SANDY COMMUNITY CAMPUS PARK
SANDY, OREGON

PLAN SET# SCC01

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SHEET NO.

S8.5

PRE-ENGINEERED WOOD TRUSSES SHALL BE PER INSTALL INSTRUCTIONS IN THE:
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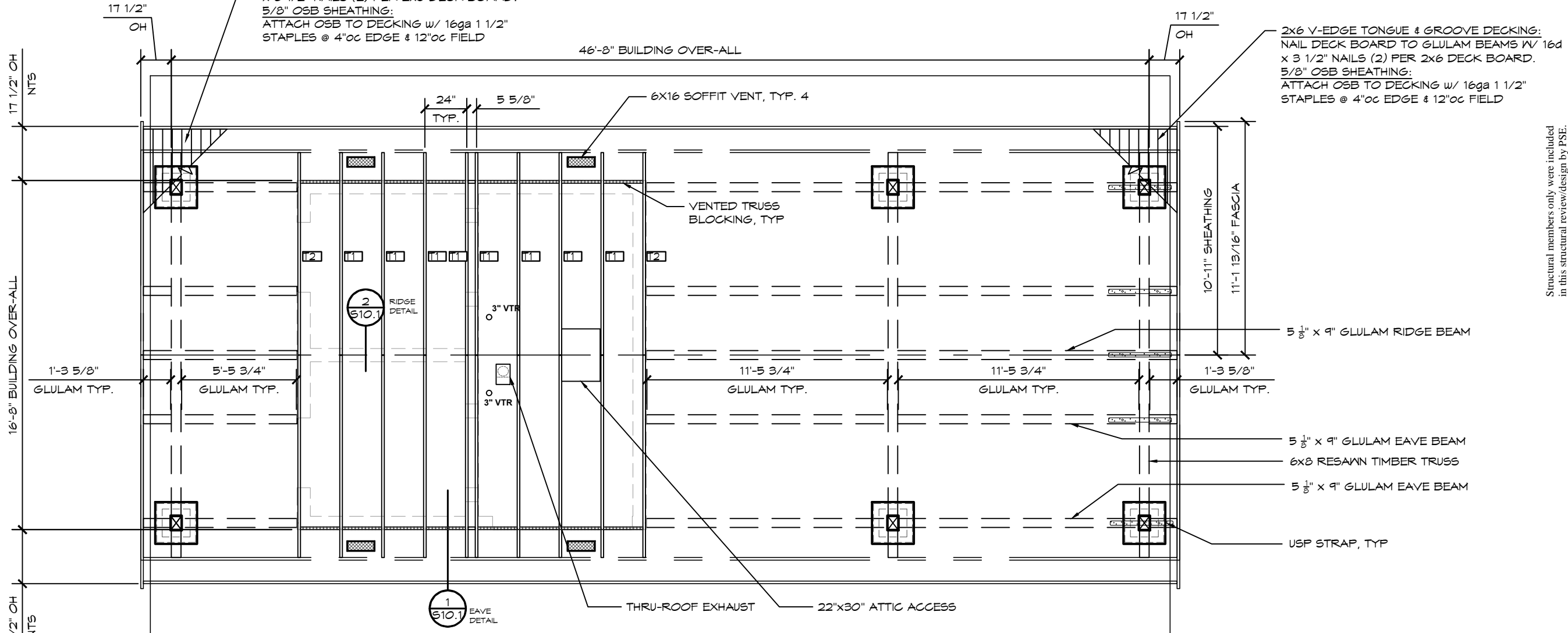


| | | | | |
|--|-------|-----|------|------------------------|
| 1. VENTILATION REQUIRED: | | | | TOTAL |
| ATTIC FLOOR AREA: (277 FT ²) x (FT ² /150) x (144 IN ² / 1 FT ²) | | | | 265.92 IN ² |
| 2. EAVE INTAKE: | | | | TOTAL |
| a. VENT (UNIT) 4x16 | 28 | IN2 | x 0 | No. 0 |
| b. VENT (UNIT) 6x16 | 42 | IN2 | x 4 | No. 168 |
| c. VENTED SOFFIT-LINEAR FT | - | IN2 | x - | LF - |
| SUM (a + b + c) = | | | | 168 |
| d. TRUSS BLOCKING (VENTED) | 15.29 | IN2 | x 16 | No. 244.64 |
| ENTER LESSER OF THE SUM OF (a + b + c) OR d | | | | 168 IN ² |
| 3. RIDGE / PEAK AREA VENT: | | | | TOTAL |
| a. RIDGE VENT (LINEAR FT) | 17 | IN2 | x 9 | FT 153 |
| b. ATTIC ROOF VENT (EXPEL) | - | IN2 | x - | No. - |
| c. ATTIC GABLE VENT (EXPEL) | - | IN2 | x - | No. - |
| SUM (a + b + c) = | | | | 153 IN ² |
| 4. TOTAL (ACTUAL) VENTILATION: (MORE THAN #1) | | | | TOTAL |
| SUM OF TOTALS ON 2 + 3 | | | | 321 IN ² |
| 5. VENTILATION %: (EAVE TO BE 50%-60%) | | | | TOTAL |
| TOTAL EAVE (#2) ÷ TOTAL VENTILATION (#4) | | | | 52 % |
| TOTAL RIDGE (#3) ÷ TOTAL VENTILATION (#4) | | | | 48 % |

- NOTE:
- 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.
 - 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.
 - 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.

ROOF SHEATHING - 5/8" OSB, FASTEN ALL SHEATHING W/ 8d(0.131" X 2 1/2") NAILS @ 6" OC TO TRUSSES & BLOCKING.

2x6 V-EDGE TONGUE & GROOVE DECKING:
 NAIL DECK BOARD TO GLULAM BEAMS W/ 16d x 3 1/2" NAILS (2) PER 2x6 DECK BOARD.
 5/8" OSB SHEATHING:
 ATTACH OSB TO DECKING w/ 16ga 1 1/2" STAPLES @ 4"oc EDGE & 12"oc FIELD



1 ROOF FRAMING PLAN
 SCALE: 3/16" = 1'-0"

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PROJECT: SANDY COMMUNITY CAMPUS PARK SANDY, OREGON

SHEET TITLE: ROOF FRAMING PLAN

PLAN SET# SCC01

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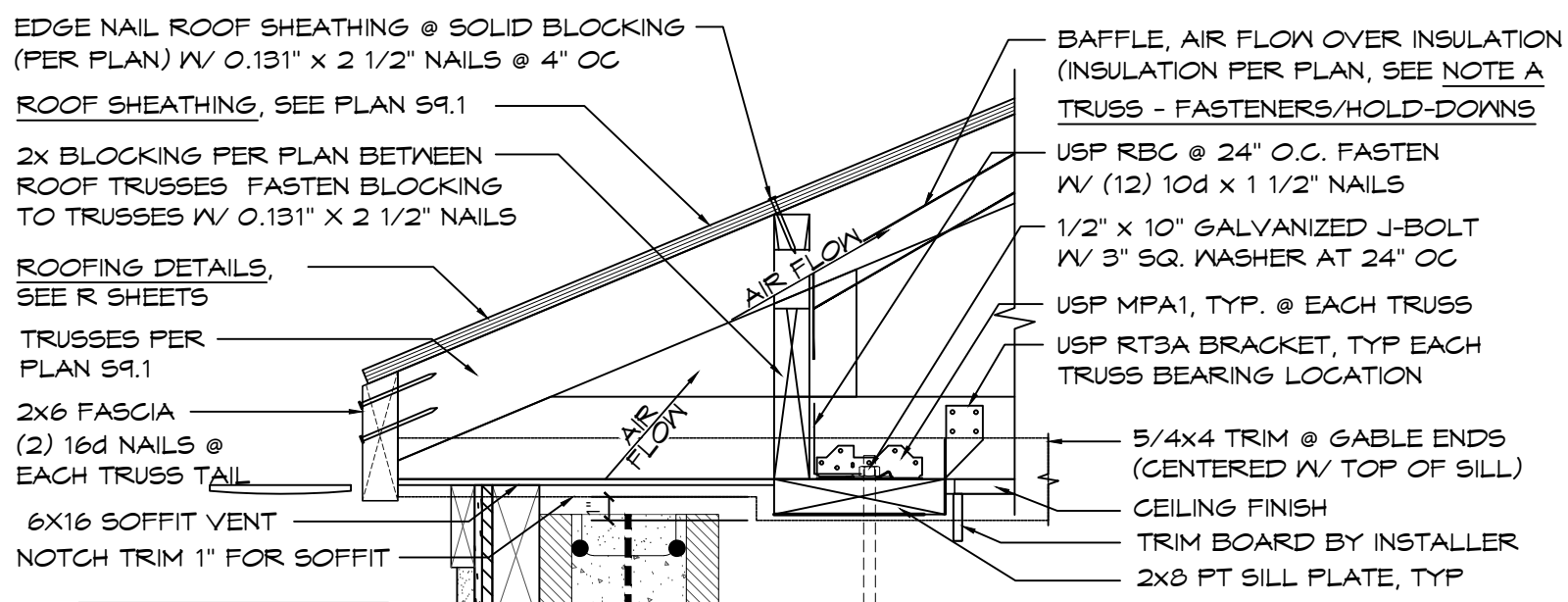
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SHEET NO. S9.1

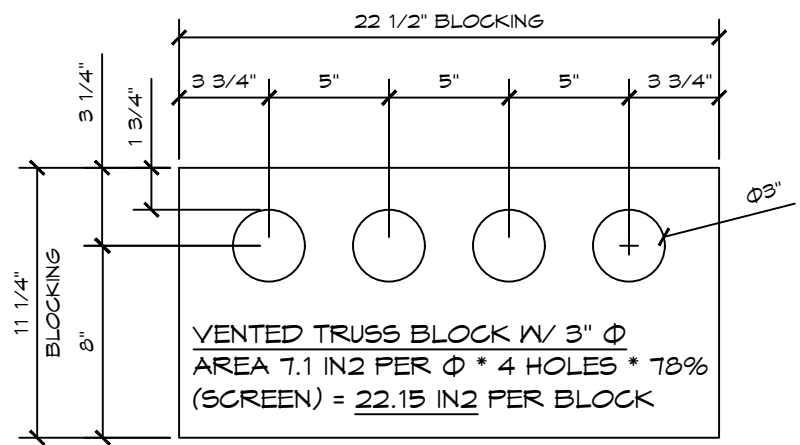
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SEE A4 SHEETS FOR EXTERIOR & INTERIOR FINISH DETAILS INCLUDING SIDING, TRIM, & FASTENERS.

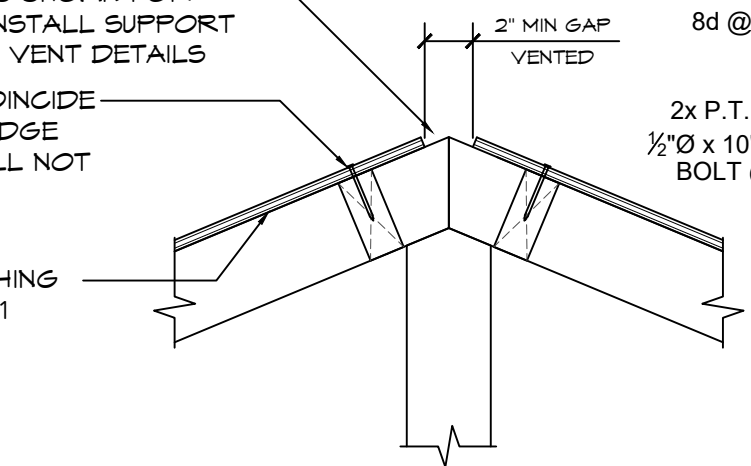


2 2X12 VENTED BLOCK @ EAVES SCALE: 1 1/2" = 1'-0"

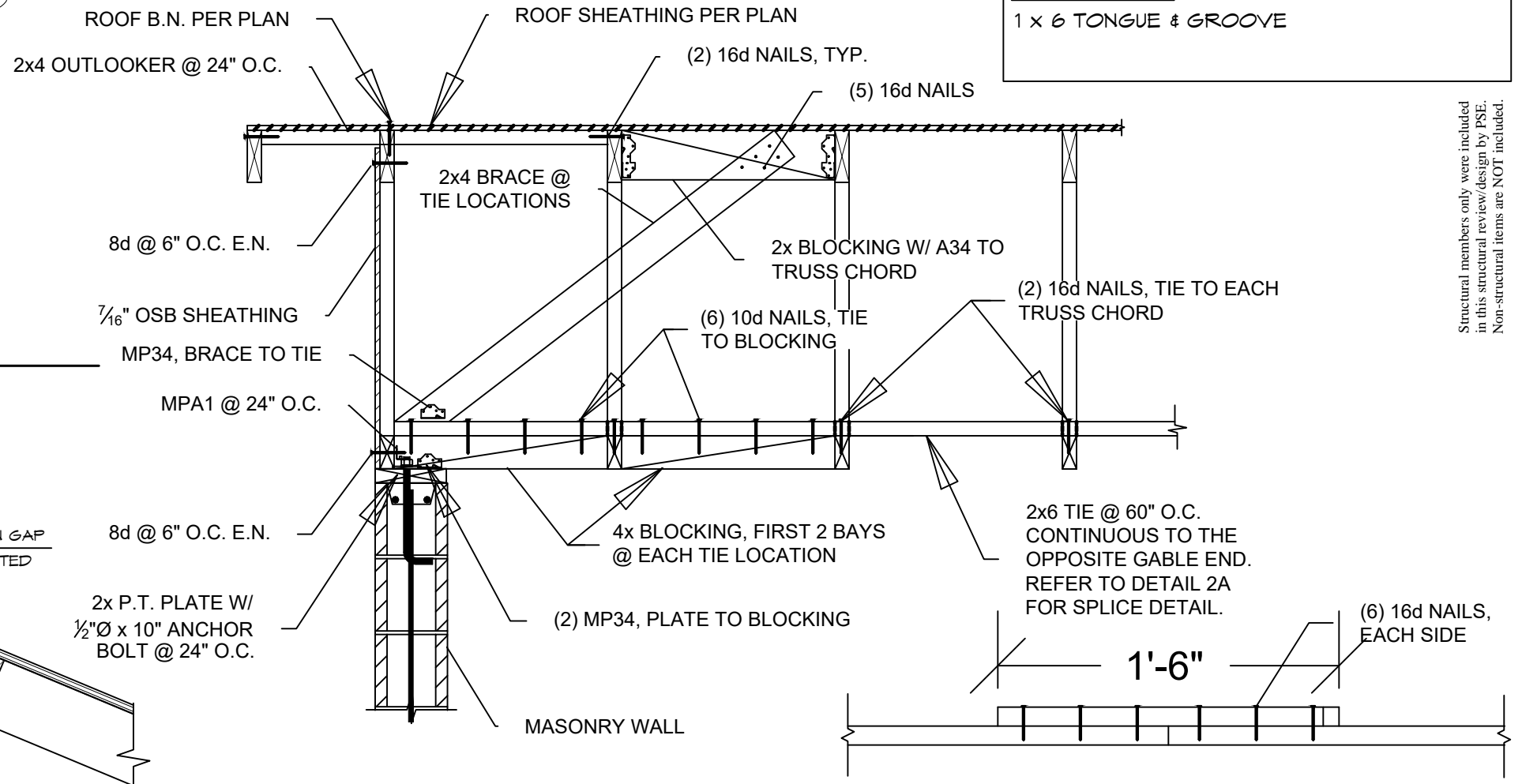
- A: INSULATION: R38
- B: UNDERLAYMENT REQUIREMENTS: ICE & WATER SHIELD AT RIDGE AND EAVE TO 24" PAST WALL THAN #30 FELT IN FIELD.
- C: CEILING FINISH: 1 x 6 TONGUE & GROOVE

1 EAVE OVERHANG W/ TRUSS (ENERGY HEEL) SCALE: 1 1/2" = 1'-0"

MIN GAP REQUIRED AS SHOWN FOR VENTED RIDGE. SEE INSTALL SUPPORT FOR ROOFING/RIDGE VENT DETAILS



3 VENTED RIDGE DETAIL SCALE: 1 1/2" = 1'-0"



4 TRUSS TO GABLE WALL DETAIL Scale: N.T.S.

4A TIE SPLICE DETAIL Scale: NTS

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PROJECT: SANDY COMMUNITY CAMPUS PARK SANDY, OREGON

SHEET TITLE: ROOF CONNECTION DETAILS

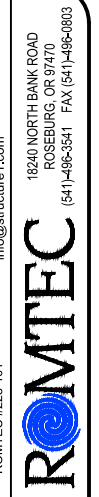
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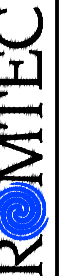


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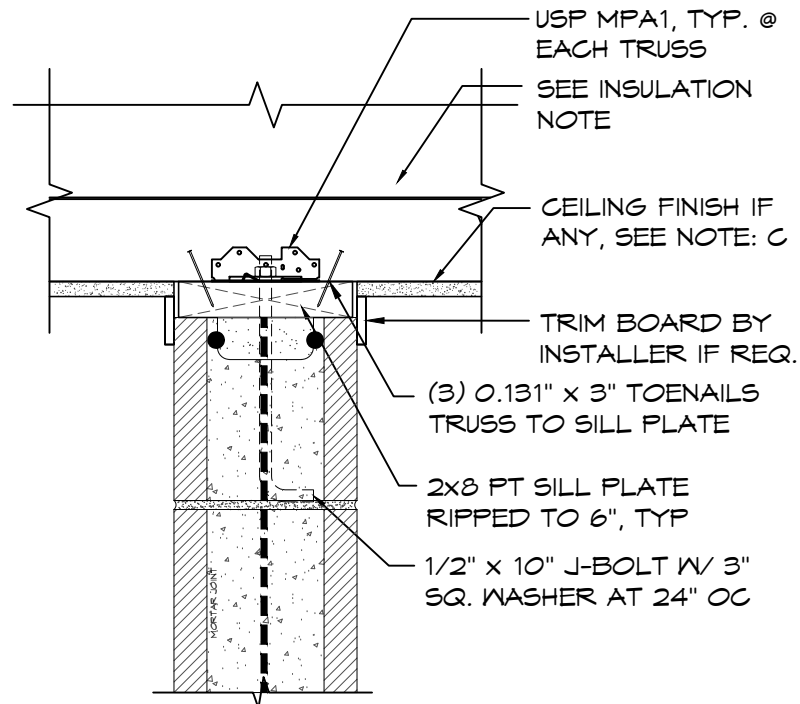


PROJECT: SANDY COMMUNITY CAMPUS PARK SANDY, OREGON
SHEET TITLE: ROOF CONNECTION DETAILS

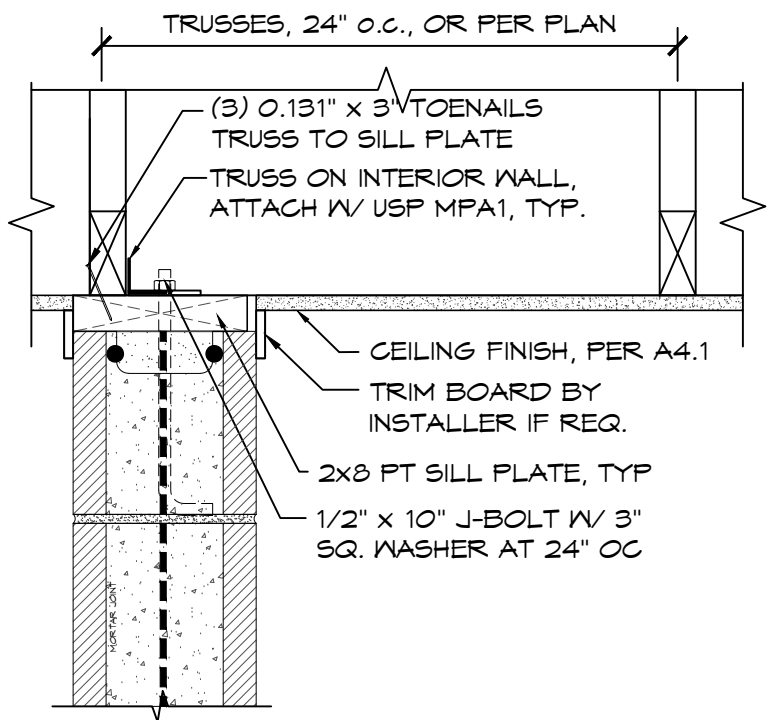
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| DATE: | 11/21/2023 | |
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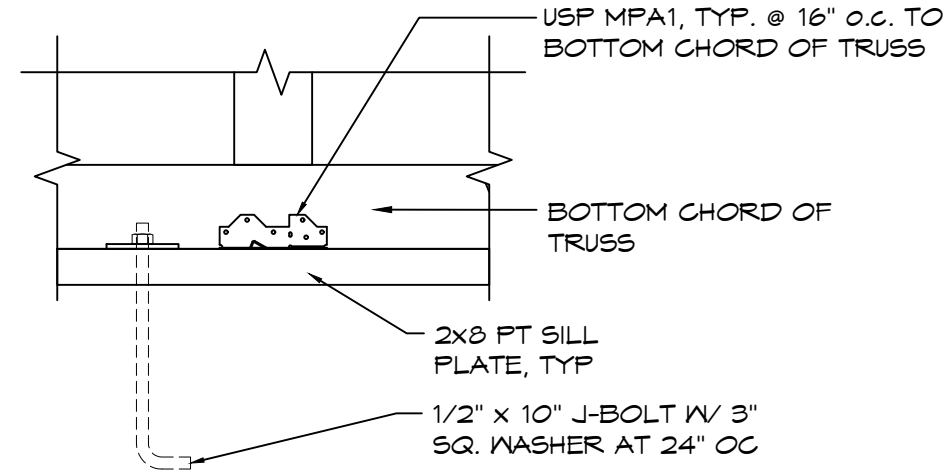
S10.2



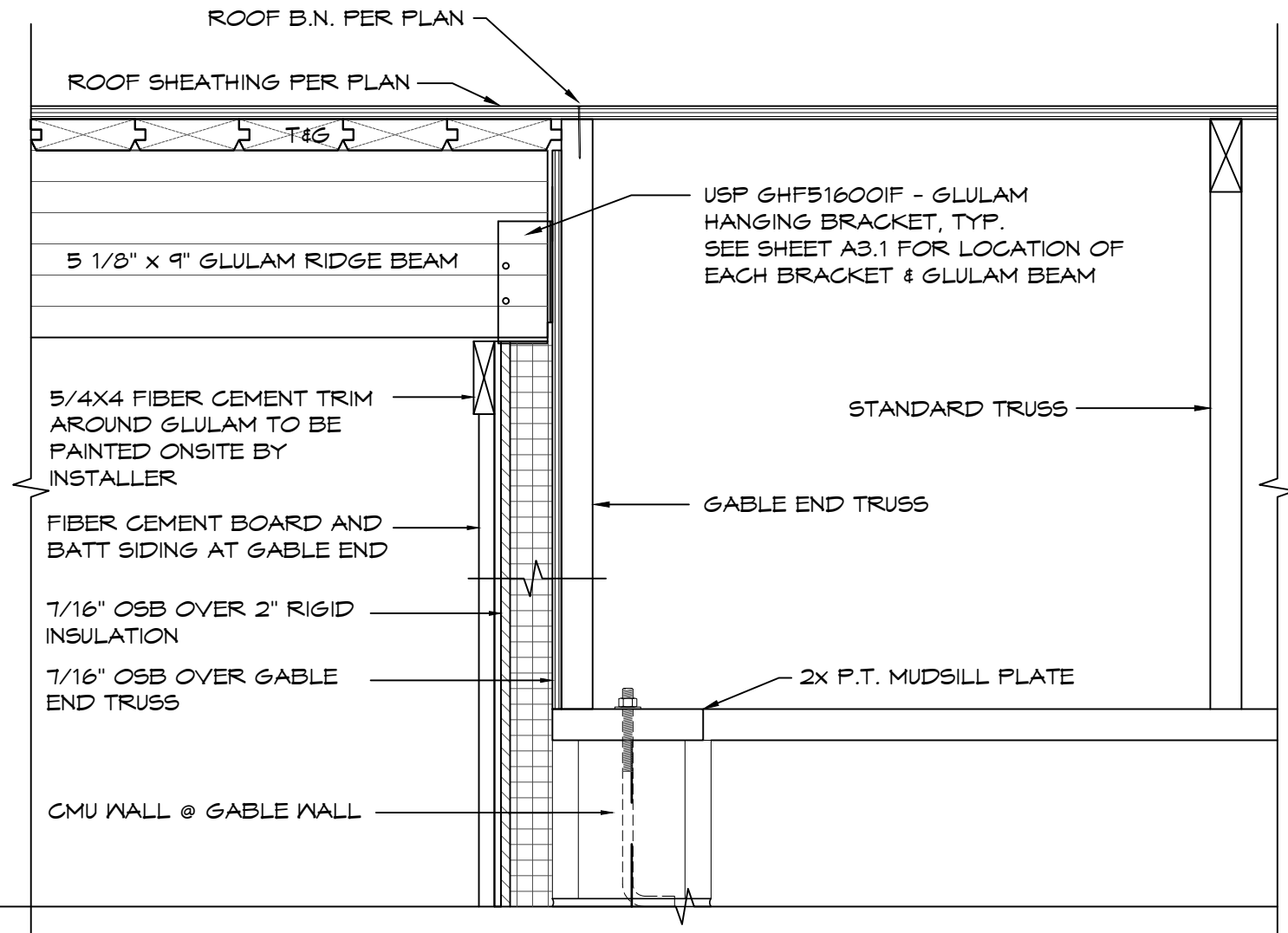
2 INTERIOR WALL CONNECTION
SCALE: 1 1/2" = 1'-0"



3 INTERIOR WALL CONNECTION
SCALE: 1 1/2" = 1'-0"



1 GABLE TRUSS CONNECTION
SCALE: 1 1/2" = 1'-0"



4 GABLE WALL TO ROOF CONNECTION
SCALE: 1 1/2" = 1'-0"

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EXPIRES: 6/30/2025

2 RIDGE CONNECTION DETAIL

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

4 MID CONNECTION DETAIL

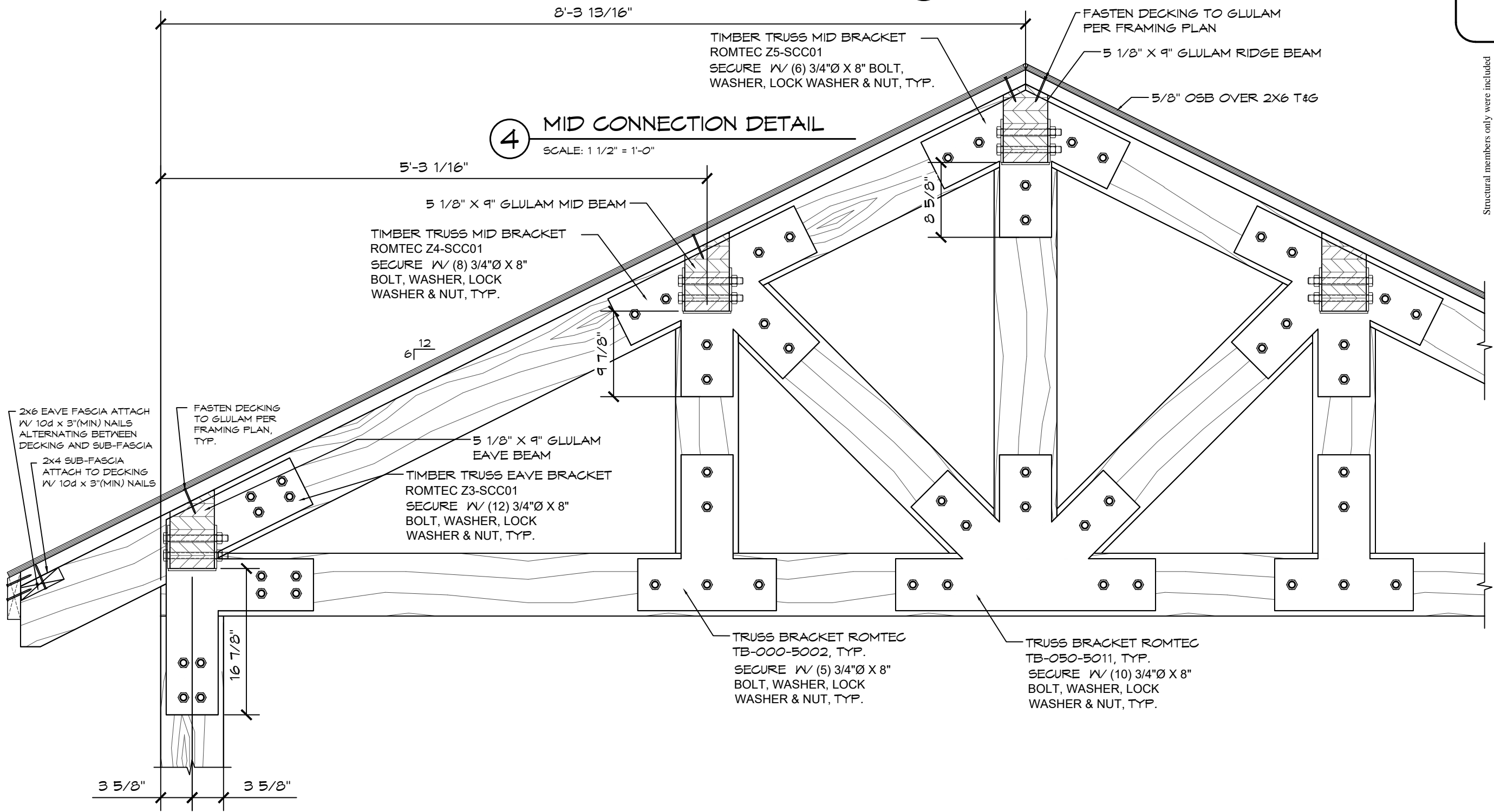
SCALE: 1 1/2" = 1'-0"

3 EAVE CONNECTION DETAIL

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

1 TIMBER TRUSS

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



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PROJECT:
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SANDY, OREGON

PLAN SET#
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ROMTEC

SHEET TITLE: ROOF CONNECTION DETAILS

SHEET NO.
S10.3



EXPIRES: 01/01/2025

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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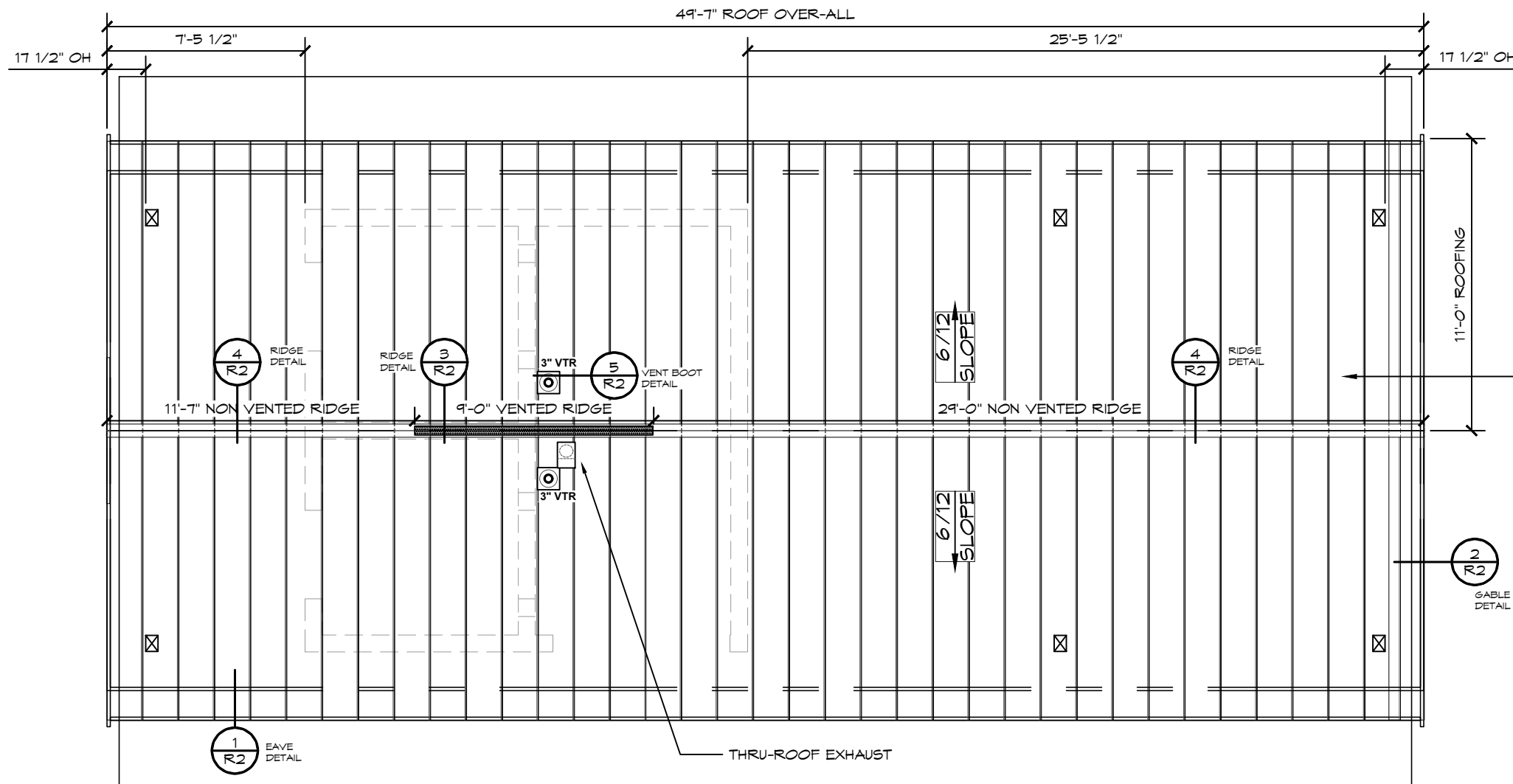
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SANDY, OREGON

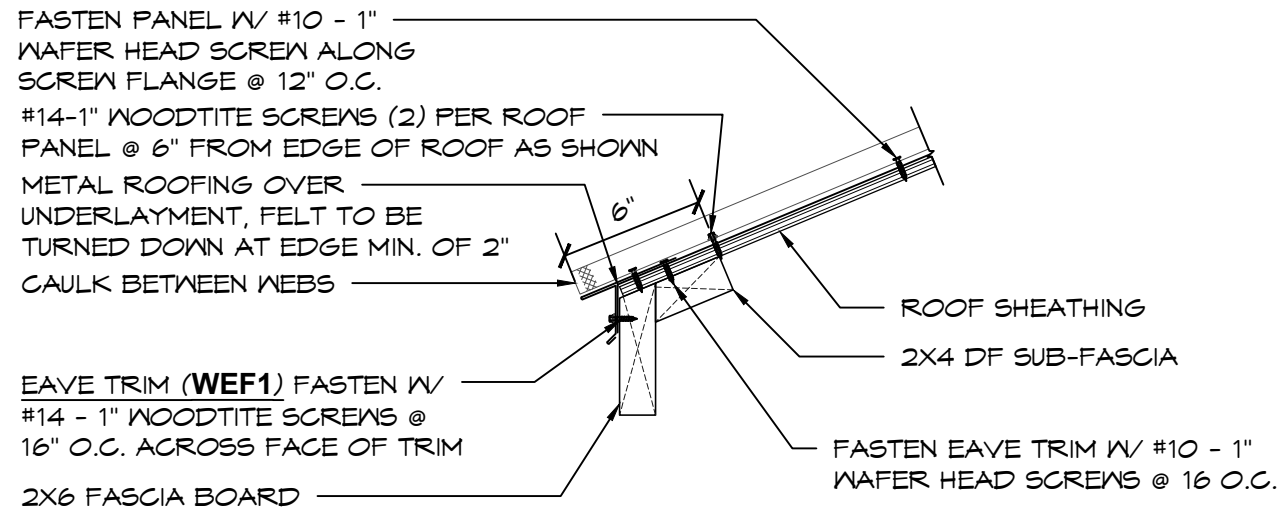
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SHEET TITLE: ROOFING PLAN
SHEET NO.
R1



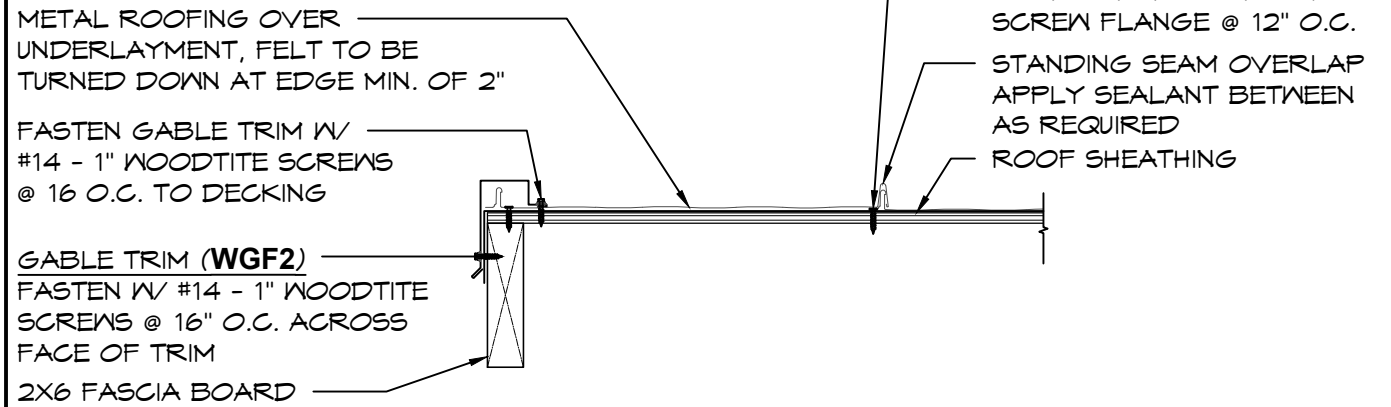
METAL ROOFING, OVER
UNDERLAYMENT - ICE & WATER
SHIELD SHALL EXTEND 24" PAST
EXTERIOR WALL AT PERIMETER &
EXTEND 24" MIN. ON BOTH SIDES
OF RIDGE WITH #30 ROOFING
FELT IN FIELD, TYP.

1 ROOFING PLAN
SCALE: 3/16" = 1'-0"
A
D B
C



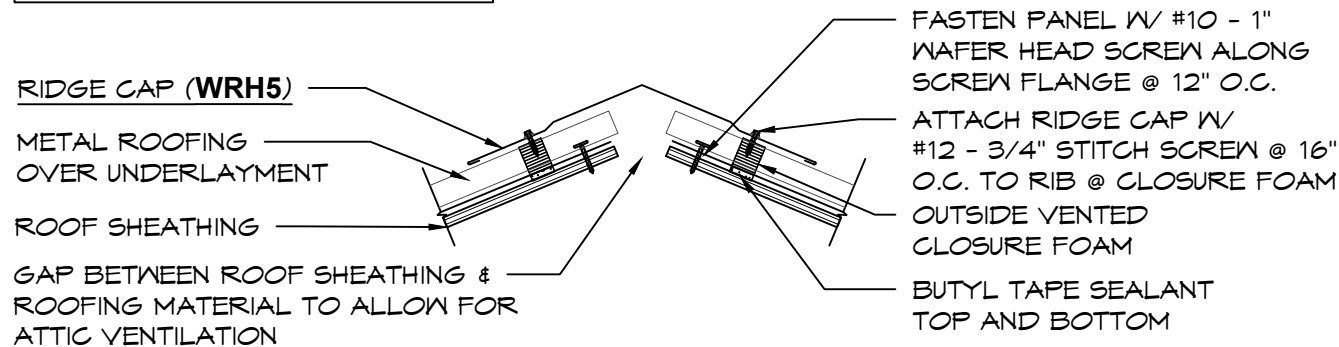
1 **STANDING SEAM - EAVE DETAIL**
SCALE: 1 1/2" = 1'-0"

NOTE: EAVE FLASHING MUST BE INSTALLED BEFORE GABLE FLASHING



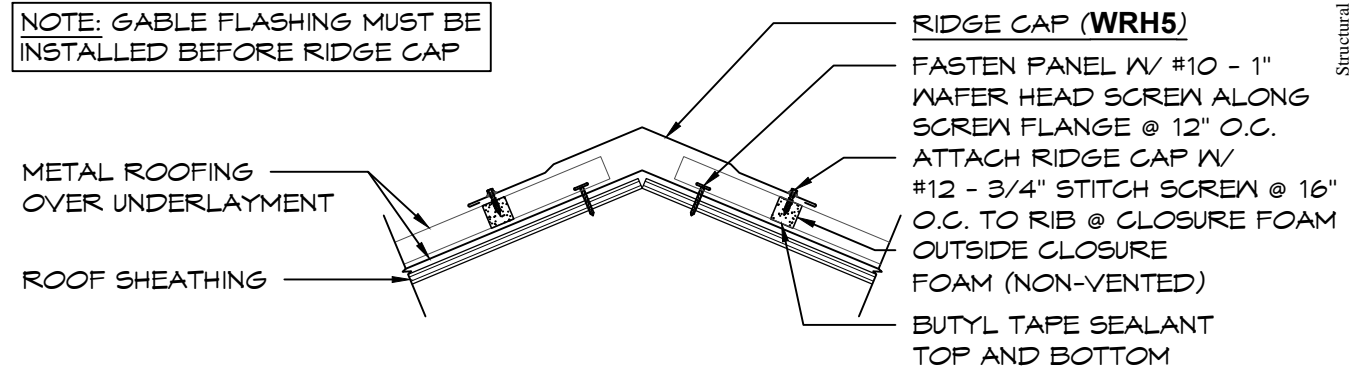
2 **STANDING SEAM - GABLE DETAIL**
SCALE: 1 1/2" = 1'-0"

NOTE: GABLE FLASHING MUST BE INSTALLED BEFORE RIDGE CAP



3 **STANDING SEAM - VENTED RIDGE DETAIL**
SCALE: 1 1/2" = 1'-0"

NOTE: GABLE FLASHING MUST BE INSTALLED BEFORE RIDGE CAP



4 **STANDING SEAM NON-VENTED RIDGE DETAIL**
SCALE: 1 1/2" = 1'-0"



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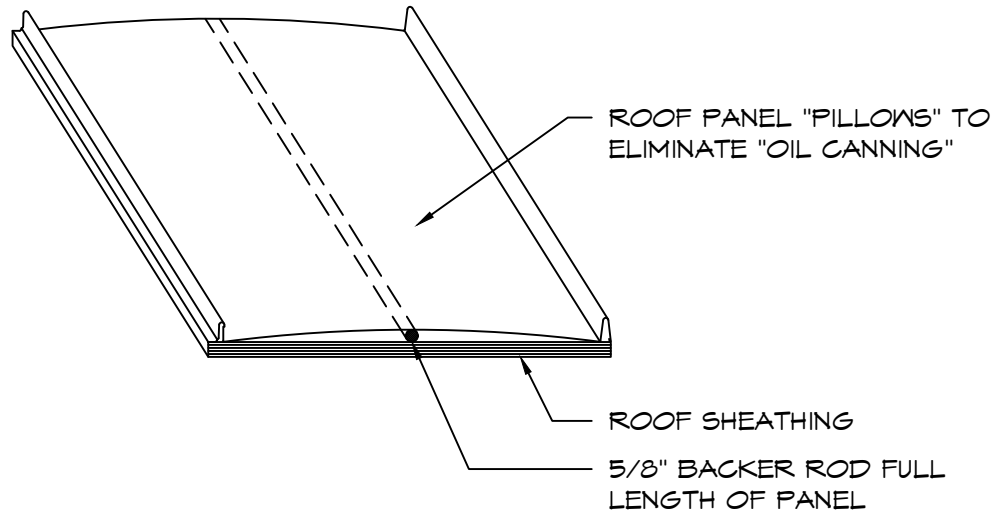
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| | | |
|------------------------------|------------|-----|
| PROJECT: | | |
| SANDY COMMUNITY CAMPUS PARK | | |
| SANDY, OREGON | | |
| SHEET TITLE: ROOFING DETAILS | | |
| PLAN SET# | SCC01 | |
| DATE: | 11/21/2023 | |
| REVISIONS | | |
| REV. | DATE: | BY: |
| | | |
| DRAWN BY: TY | | |

SHEET NO. **R2**



EXPIRES: 01/01/2025



RECOMMENDED METHOD BY FABRAL TO ELIMINATE "OIL CANNING":

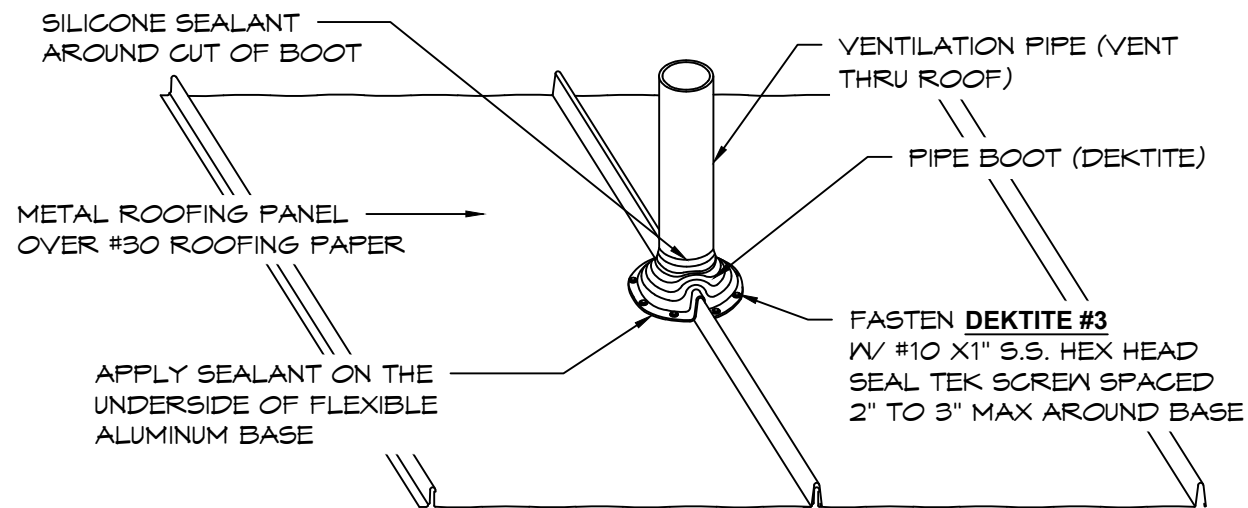
PANELS MAY SHOW SLIGHT WAVINESS COMMONLY REFERRED TO AS "OIL CANNING." THIS IS A CHARACTERISTIC OF ROLL FORMING. SUCH "OIL CANNING" WILL NOT BE ACCEPTED AS CAUSE FOR REJECTION.

THE USE OF BACKER ROD IS AN INDUSTRY ACCEPTED METHOD TO MINIMIZE "OIL CANNING". A RECENT TREND IS TO INSTALL BACKER ROD UNDER THE FLAT OF THE PANELS TO CREATE A SLIGHT "CROWN" IN THE PANEL, THUS REDUCING OR ELIMINATING "OIL CANNING". THIS IS NO LONGER CONSIDERED A "TRASHY" REPAIR. MCA'S OIL CANNING POSITION PAPER RECOMMENDS THIS PRACTICE. (ABOVE)

USES OF BACKER ROD OR OTHER SIMILAR SHIMMING MATERIALS - WHEN INSTALLATION IS OVER A SOLID SUBSTRATE. BACKER ROD IS A COMPRESSIBLE FOAM STRIP NORMALLY USED IN THE CONCRETE AND MASONRY TRADES IN JOINTS TO SERVE AS A BACKING FOR A CAULK JOINT. FOR CERTAIN TYPES OF METAL PANEL SYSTEMS IT CAUSES THE CENTER OF THE PANEL TO "PILLOW" UNIFORMLY, RELIEVING STRESS AND REDUCING THE VISUAL EFFECTS OF "OIL CANNING".

1 STANDING SEAM OIL CANNING REPAIR

SCALE: N.T.S.



2 STANDING SEAM - 3" VENT BOOT DETAIL

SCALE: N.T.S.

Structural members only were included in this structural review/design by PSE. Non-structural items are NOT included.

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PROJECT: SANDY COMMUNITY CAMPUS PARK SANDY, OREGON

SHEET TITLE: ROOFING DETAILS

PLAN SET# SCC01

DATE: 11/21/2023

REVISIONS

| REV. | DATE | BY |
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SHEET NO. **R3**

UNIFORM PLUMBING CODE

| 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-1 | ADA TOILET | 3" | 2" | 1" | X | - | 2 | 40,30,20,15,10 | 70 | 4 | 8 |
| LV-1 | HAND SINK | 1 1/4" | 1 1/2" | 1/2" | X | - | 2 | 1 | 2 | 1 | 2 |
| 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 |
| TOTAL | | | | | | | | | 73 | TOTAL | 12 |

SIOUX CHIEF
(3" W/6" STRAINER)

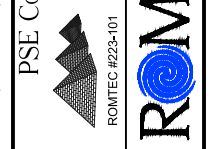
GENERAL PLUMBING NOTES:

1. ALL PIPE (WATER, SEWER, VENT), JOINTS, AND WORK SHALL CONFORM TO UNIFORM PLUMBING CODE, STATE CODES, COUNTY AND LOCAL CODES AND ORDINANCES.
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 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 WATER TANKS REQUIRE A PRESSURE RELIEF VALVE AND A DRAIN LINE TO THE EXTERIOR OF THE BUILDING PER 2009 UPC SECTIONS 608.4 & 608.5. CONTRACTOR TO PROVIDE AND 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 2009 UPC SECTION 508.2.
9. FLUSHOMETERS ASSOCIATED WITH TOILETS USE NO MORE THAN 1.6 GALLONS PER FLUSH. FLUSHOMETERS ASSOCIATED WITH URINALS USE NO MORE THAN 1.0 GALLON PER FLUSH. BOTH OF THE ABOVE SHALL MEET PERFORMANCE STANDARDS BY ANSI A112.19.2 H&S CODE, SECTION 17921.3(b)
10. WHEN FIXTURES REQUIRE WALL CARRIERS THE WALL CARRIER SHALL BE SUPPLIED BY CONTRACTOR.
11. UNLESS SPECIFIED IN THE ROMTEC SUBMITTAL, ROMTEC DOES NOT SUPPLY INSULATION OR "FREEZE PROTECTION" FOR PLUMBING. "THE OWNER MAY NEED TO WINTERIZE THEIR BUILDING."



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PROJECT:
**SANDY COMMUNITY CAMPUS PARK
SANDY, OREGON**

SHEET TITLE: **PLUMBING SCHEDULE**

| | | |
|--------------|------------|-----|
| PLAN SET# | SCC01 | |
| DATE: | 11/21/2023 | |
| REVISIONS | | |
| REV. | DATE: | BY: |
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SHEET NO.
P1

WATER-PLUMBING LEGEND

———— COLD WATER

12/04/2023

CERTIFIED MASTER KITCHEN & BATH DESIGNER

CMKBD

Cassandra Ruport
ID #1063772

★ NKBA ★

Cassandra Ruport

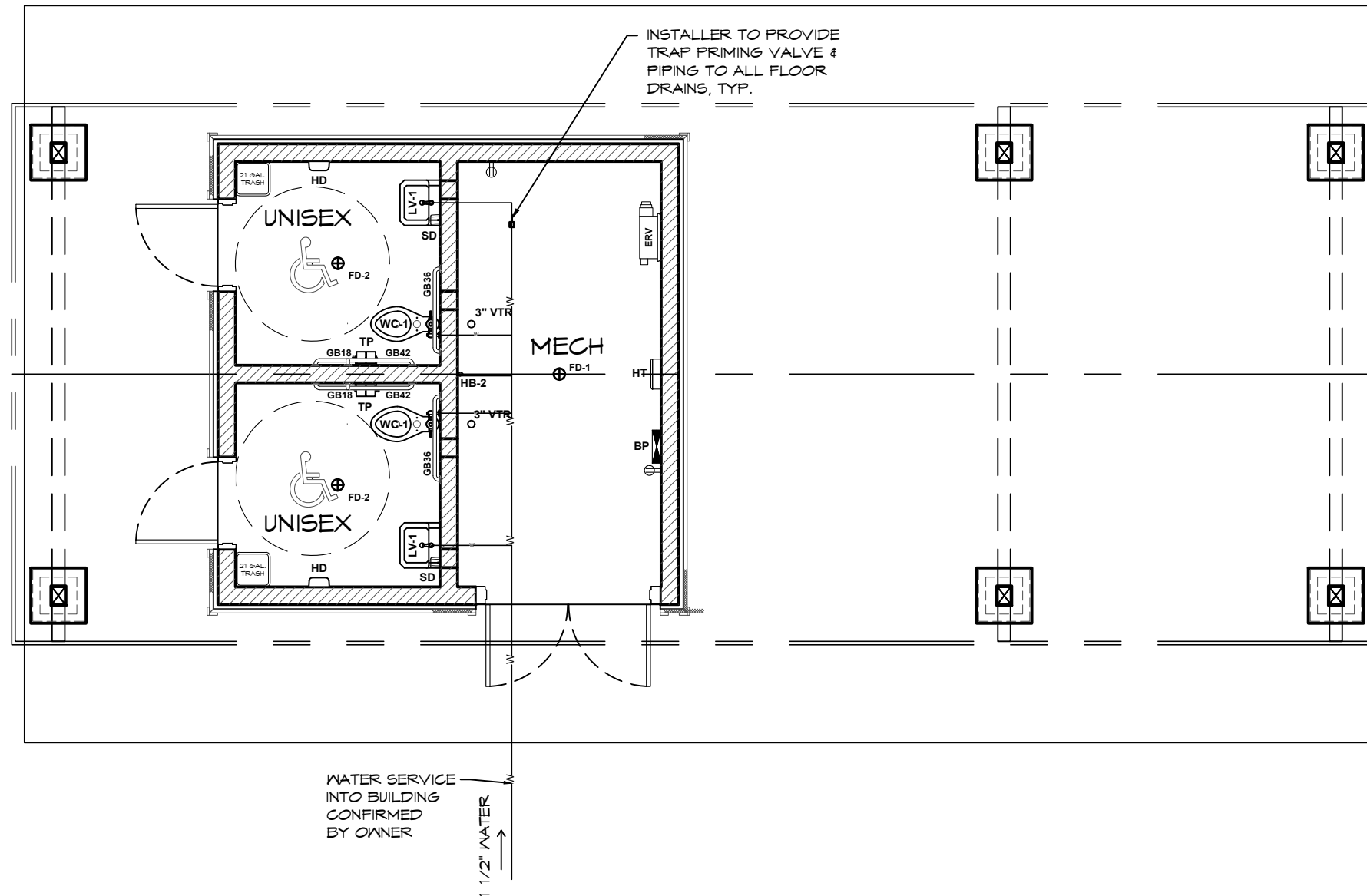
EXPIRES: 01/01/2025

*FIXTURES ARE SYMBOLIC ONLY, REFER TO SPECIFICATIONS & PRODUCT LITERATURE FOR THE FIXTURE ROUGH-IN MEASUREMENTS & INSTALLATION DETAILS.

UPC NOTES

NOTES:

1. WATER PIPE SIZE AND PRESSURE REQUIREMENTS MUST BE CONFIRMED BY PLUMBING CONTRACTOR BASED ON LOCAL SUPPLY.
2. FIXTURE & FIXTURE CONNECTIONS ARE SYMBOLIC IN NATURE ONLY. REFER TO MANUFACTURER LITERATURE FOR EXACT FIXTURE SPECIFICATIONS.
3. ALL SANITARY AND DRAIN LINES SHALL BE SCHEDULE 40 PVC OR ABS.
4. ALL WATER LINES SHALL BE COPPER OR PER LOCAL CODE. NO JOINTS BENEATH THE SLAB.
5. WATER PIPE SIZING IS A MINIMUM SUGGESTION. PLUMBING CONTRACTOR WILL MAKE THE FINAL DETERMINATION.



1 PLUMBING WATER PLAN

SCALE: 3/16" = 1'-0"

A
D ——— B
C

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PROJECT: SANDY COMMUNITY CAMPUS PARK SANDY, OREGON

SHEET TITLE: PLUMBING WATER PLAN

| | |
|-----------|------------|
| PLAN SET# | SCC01 |
| DATE: | 11/21/2023 |
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SHEET NO. **P2**



SEWER-PLUMBING LEGEND

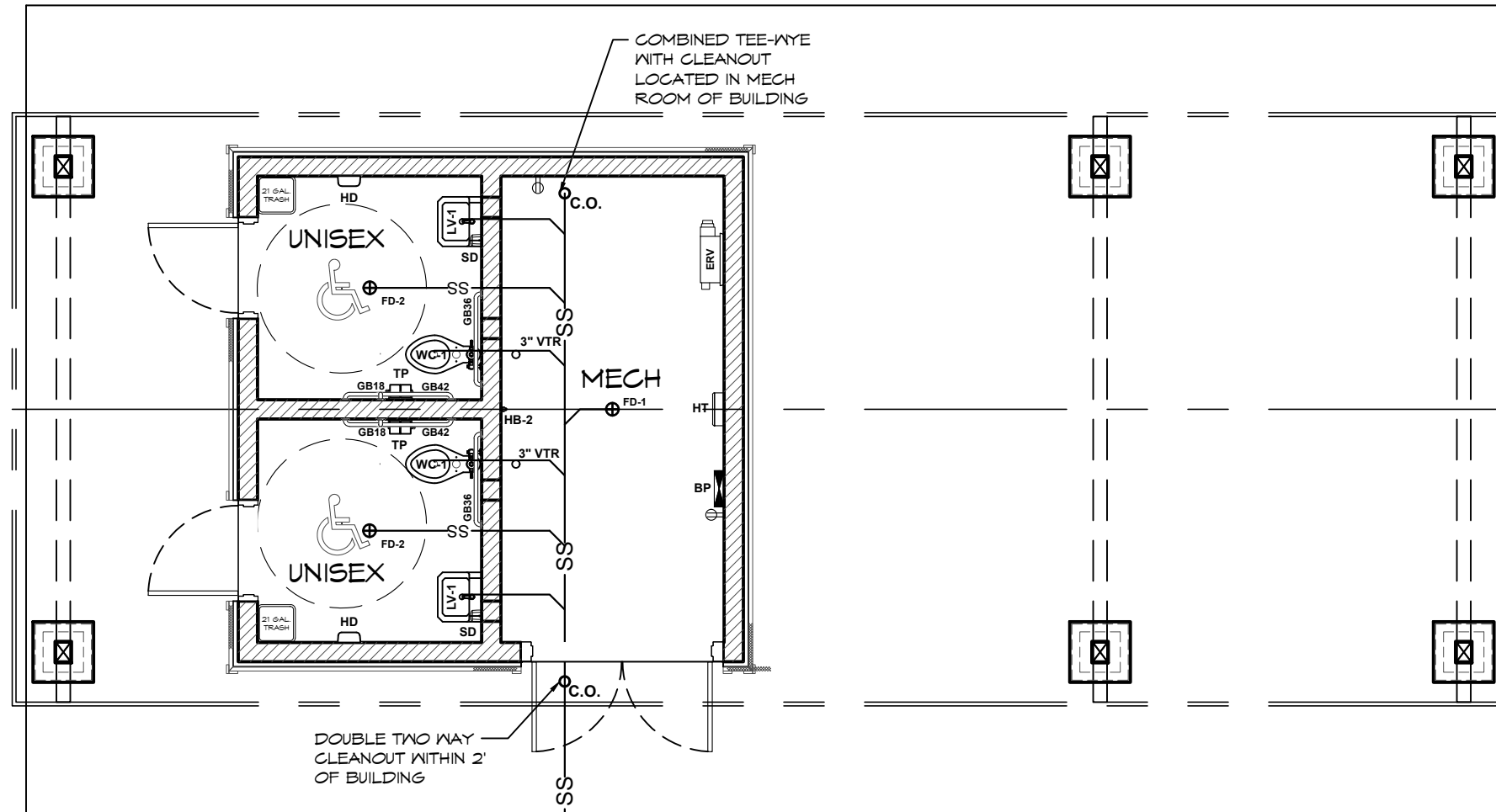
————— SANITARY SEWER

*FIXTURES ARE SYMBOLIC ONLY, REFER TO SPECIFICATIONS & PRODUCT LITERATURE FOR THE FIXTURE ROUGH-IN MEASUREMENTS & INSTALLATION DETAILS.

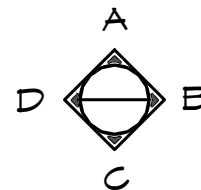
UPC NOTES

NOTES:

1. WATER PIPE SIZE AND PRESSURE REQUIREMENTS MUST BE CONFIRMED BY PLUMBING CONTRACTOR BASED ON LOCAL SUPPLY.
2. FIXTURE & FIXTURE CONNECTIONS ARE SYMBOLIC IN NATURE ONLY. REFER TO MANUFACTURER LITERATURE FOR EXACT FIXTURE SPECIFICATIONS.
3. ALL SANITARY AND DRAIN LINES SHALL BE SCHEDULE 40 PVC OR ABS.
4. ALL WATER LINES SHALL BE COPPER OR PER LOCAL CODE. NO JOINTS BENEATH THE SLAB.
5. WATER PIPE SIZING IS A MINIMUM SUGGESTION. PLUMBING CONTRACTOR WILL MAKE THE FINAL DETERMINATION.



1 PLUMBING SEWER PLAN
SCALE: 1/4" = 1'-0"



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PROJECT: SANDY COMMUNITY CAMPUS PARK SANDY, OREGON
SHEET TITLE: PLUMBING SEWER PLAN

PLAN SET# SCC01
DATE: 11/21/2023

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SHEET NO. **P3**

MECHANICAL EXHAUST SYSTEM SHALL BE INSTALLED PER INSTALL INSTRUCTIONS & DETAILS IN THE: "FINAL" ROMTEC SCOPE OF SUPPLY AND DESIGN SUBMITTAL

12/04/2023

CERTIFIED MASTER KITCHEN & BATH DESIGNER

CMKBD

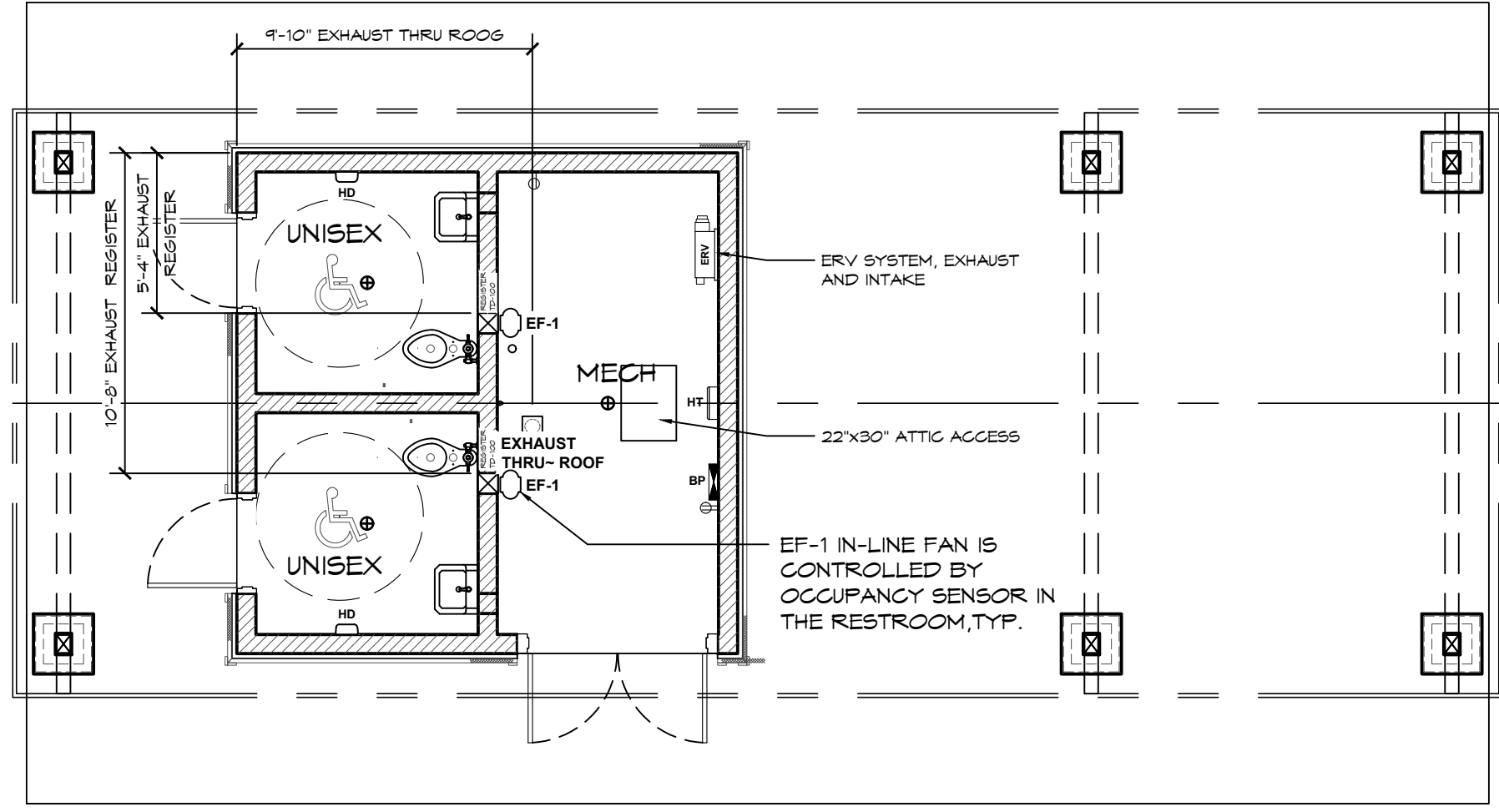
Cassandra Ruport
ID #1063772

★ NKBA ★

Cassandra Ruport

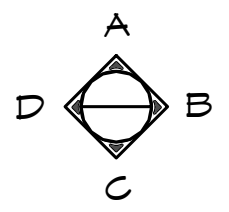
EXPIRES: 01/01/2025

NOTE: SEE MECHANICAL PRODUCTION FOR DETAILS FOR MECH SYSTEM AND ERV SYSTEM.



1 MECHANICAL PLAN

SCALE: 3/16" = 1'-0"



- NOTES:
- EXHAUST FANS AND ALL DUCTING TO BE MOUNTED USING DUCT HANGERS OR EQUIVALENT PER DIRECTIONS FURNISHED BY MANUFACTURE, IN ACCORDANCE WITH THE MECHANICAL CODE AND SMACNA STANDARDS.
 - ALL DUCTWORK: RIGID DUCT W/ R8.3 INSULATED WRAP LISTED CLASS 1 AIR DUCT). PROVIDE SHEETMETAL FITTINGS AT MAIN DUCT RUNOUTS AND CONNECTIONS WITH A MINIMUM OF THREE SHEETMETAL SCREWS AND TAPED TO PROVIDE AN AIRTIGHT SEAL. SUPPORT FLEX AS DIRECTED BY MANUFACTURER, NOT TO EXCEED 4'-0".
 - THE DUCT DISCHARGES THRU A ROOF CAP W/ DAMPER, SCREEN AND COLLAR.
 - FANS ARE CONTROLLED BY OCCUPANCY SENSORS LOCATED IN EACH ROOM.

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PROJECT: SANDY COMMUNITY CAMPUS PARK SANDY, OREGON

PLAN SET# SCC01

DATE: 11/21/2023

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| | | |

DRAWN BY: TY

SHEET TITLE: MECHANICAL PLAN

SHEET NO. **M1**

GENERAL ELECTRICAL NOTES:

1. ALL WORK SHALL COMPLY WITH NATIONAL ELECTRICAL CODE, STATE AND LOCAL CODES.
2. OWNER TO PROVIDE TEMPORARY POWER AS REQUIRED DURING COURSE OF CONSTRUCTION.
3. ELECTRICAL SERVICE EQUIPMENT SUPPLIED BY OTHERS UNDER SEPARATE SUBMITTAL.
4. THE AIC VALUES SHOWN ON THESE ROMTEC PLANS ARE TO BE MADE CLEARLY AVAILABLE TO THE ELECTRICAL ENGINEER OF RECORD THAT WILL DESIGN THE MAIN SERVICE.
5. THE INSTALLER SHALL FURNISH & INSTALL SPECIFICATION GRADE CIRCUIT BREAKERS, WIRING, CONDUIT, SWITCHES AND GFI RECEPTACLES THROUGHOUT. INTERIOR RECEPTACLES & SWITCHES SHALL HAVE STAINLESS STEEL COVERPLATES AND EXTERIOR RECEPTACLES SHALL BE INSTALLED WITH A WEATHERPROOF IN USE COVER.
6. ELECTRICAL CONDUIT IS TO BE RUN WITHIN THE WALL WHEN POSSIBLE, EXCEPT IN THE MECHANICAL ROOM.
7. FOR MECHANICAL ROOM ALL EXPOSED CONDUIT IS TO BE SURFACE MOUNTED AND RUN TIGHT TO CEILING AS REQUIRED.
8. COORDINATE AC OUTLET HEIGHTS WITH OWNER PRIOR TO ROUGH-IN.

ELECTRICAL SCHEDULE & SYMBOL LEGEND:

| QTY | SYMBOL | DESCRIPTION |
|----------|--------|---|
| 1 | | 100 AMP BREAKER PANEL |
| PER PLAN | | HOME RUN TO BREAKER PANEL |
| PER PLAN | | 110 VAC DUPLEX RECEPTACLE, GROUND FAULT PROTECTED MOUNTED MIN OF 15" TO MAX OF 48" ABOVE THE FLOOR CONFIRM EXACT LOCATION & HEIGHT WITH OWNER OR OWNERS REPRESENTATIVE. |
| 1 | | SWITCH, SINGLE POLE MOUNTED A MAX OF 48" ABOVE THE FLOOR |
| 4 | | LIGHT FIXTURE, CEILING RECESSED DOWNLIGHT UL LISTED TO U.S. SAFETY STANDARDS FOR ALL WET LOCATIONS WF6 LED LITHONIA 13.9 W, .12AMP 120V |
| 2 | | 48" LED VAPOR TIGHT CEILING/WALL MOUNT LIGHT LITHONIA CSVT L48 5000LM 40K 80CRI 4,298LM 40K: (35.3 W) (.2942 A) |
| 2 | | INLINE DUCT EXHAUST FAN SYSTEM S&P, TD-100 - 4": (26W) (0.22A) VENTILATOR CEILING MOUNT |
| 1 | | PANASONIC FV-04VE1 10-20-40 CFM / 10-20-30 CFM SUPPLY |

ELECTRICAL SCHEDULE & SYMBOL LEGEND:

| QTY | SYMBOL | DESCRIPTION |
|-----|--------|--|
| 2 | | OCCUPANCY SENSOR WALL MOUNT ACUITY SENSOR SWITCH WVR PDT 16 WIDE VIEW SENSOR: 2 POLE (120/277,347 VAC 13 AMPS/POLE 347 VAC MUST BE SAME PHASE) |
| 2 | | HAND DRYER WALL MOUNT, THINAIR TA-SB: (915W) (7.7A) |
| 1 | | WALL HEATER WITH THERMOSTAT, SURFACE MOUNT (WALL CAN PART # LPW5MF-WD) KING, LPW2445T: (2250-4500W) (9.4-18.8A MAX) 240V |
| 1 | | POWER SUPPLY FOR MAGNETIC LOCK SYSTEM HAGER: 2903 - (0.9A) |
| 1 | | DIGITAL 7 DAY TIMER FOR MAGNETIC LOCK SYSTEM INTERMATIC: ST01 |
| 2 | | EXIT SWITCH (MANUAL EXIT SWITCH) HAGER: 2977 |
| 2 | | PIR EGRESS SENSOR (AUTOMATIC EXIT SWITCH) HAGER: 2-679-0612 |
| 2 | | MAGNET LOCK HAGER: 2942 |

NOTE: NO EXTERIOR LIGHTS



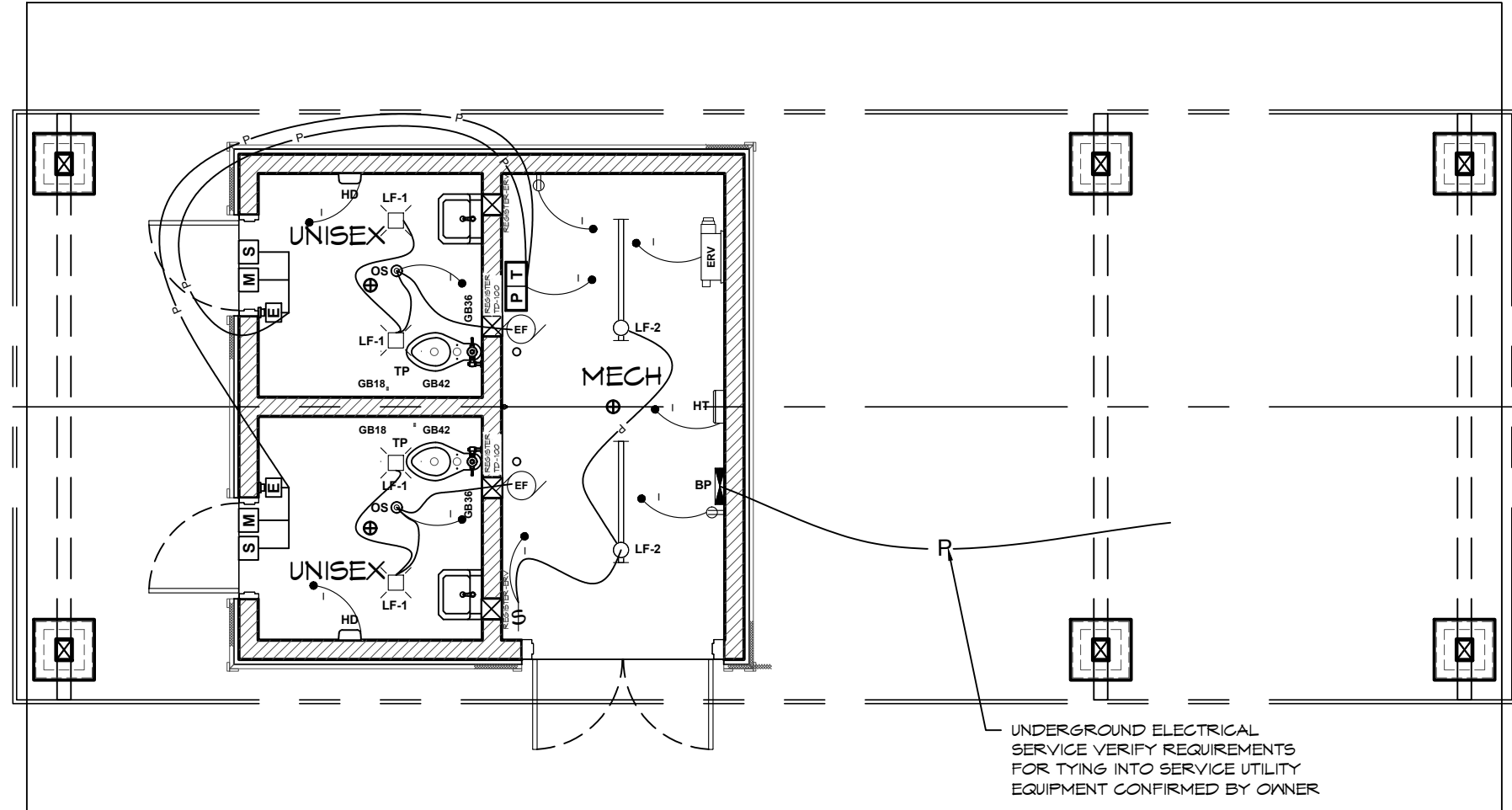
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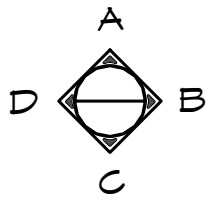
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 ROMTEC #23-101

PROJECT: SANDY COMMUNITY CAMPUS PARK SANDY, OREGON
 SHEET TITLE: ELECTRICAL SCHEDULE
 PLAN SET# SCC01
 DATE: 11/21/2023
 REVISIONS
 REV. DATE BY
 DRAWN BY: TY

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1 ELECTRICAL PLAN
SCALE: 3/16" = 1'-0"



ROMTEC HAS DESIGNED THIS ELECTRICAL SYSTEM TO MEET THE NEEDS OF THIS SPECIFIC FACILITY. SITE DESIGN AND ENGINEERING BY OTHERS. OWNER IS RESPONSIBLE TO PROVIDE ALL SERVICE AND/OR UTILITY ENTRANCE DESIGN. FIELD VERIFY THAT SERVICE CONDUCTOR SIZE IS ADEQUATE FOR VOLTAGE DROP. ANY ADDITIONAL POWER OR LIGHTING LOADS NOT SHOWN ON THESE PLANS SHALL BE ENGINEERED BY OTHERS.

NOTE: BREAKER PANEL MAY BE RELOCATED AT THE DISCRETION OF THE INSTALLER, PANEL MUST MAINTAIN ALL APPLICABLE CODE CLEARANCES.

12/04/2023

CERTIFIED MASTER KITCHEN & BATH DESIGNER

CMKBD

Cassandra Ruport
ID #1063772

NKBA

Cassandra Ruport

EXPIRES: 01/01/2025

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PROJECT: SANDY COMMUNITY CAMPUS PARK SANDY, OREGON

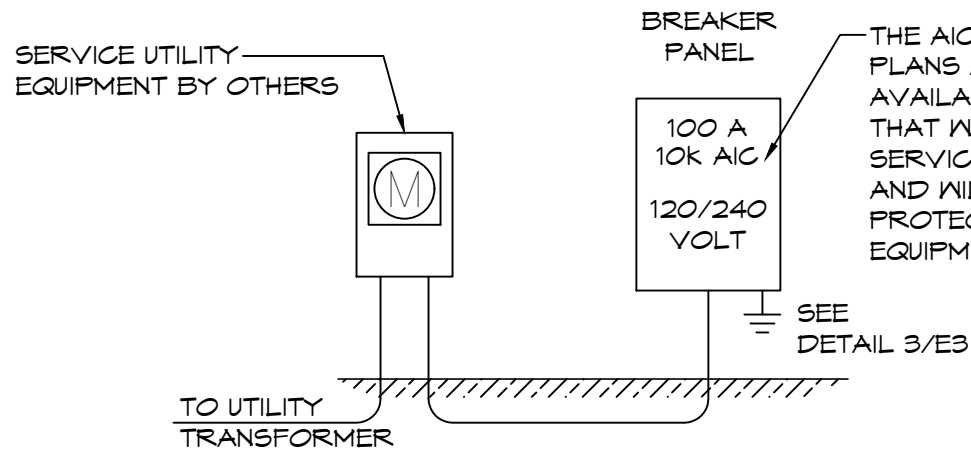
SHEET TITLE: ELECTRICAL PLAN

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|-----------|------------|-----|
| PLAN SET# | SCC01 | |
| DATE: | 11/21/2023 | |
| REVISIONS | | |
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| DRAWN BY: | TY | |

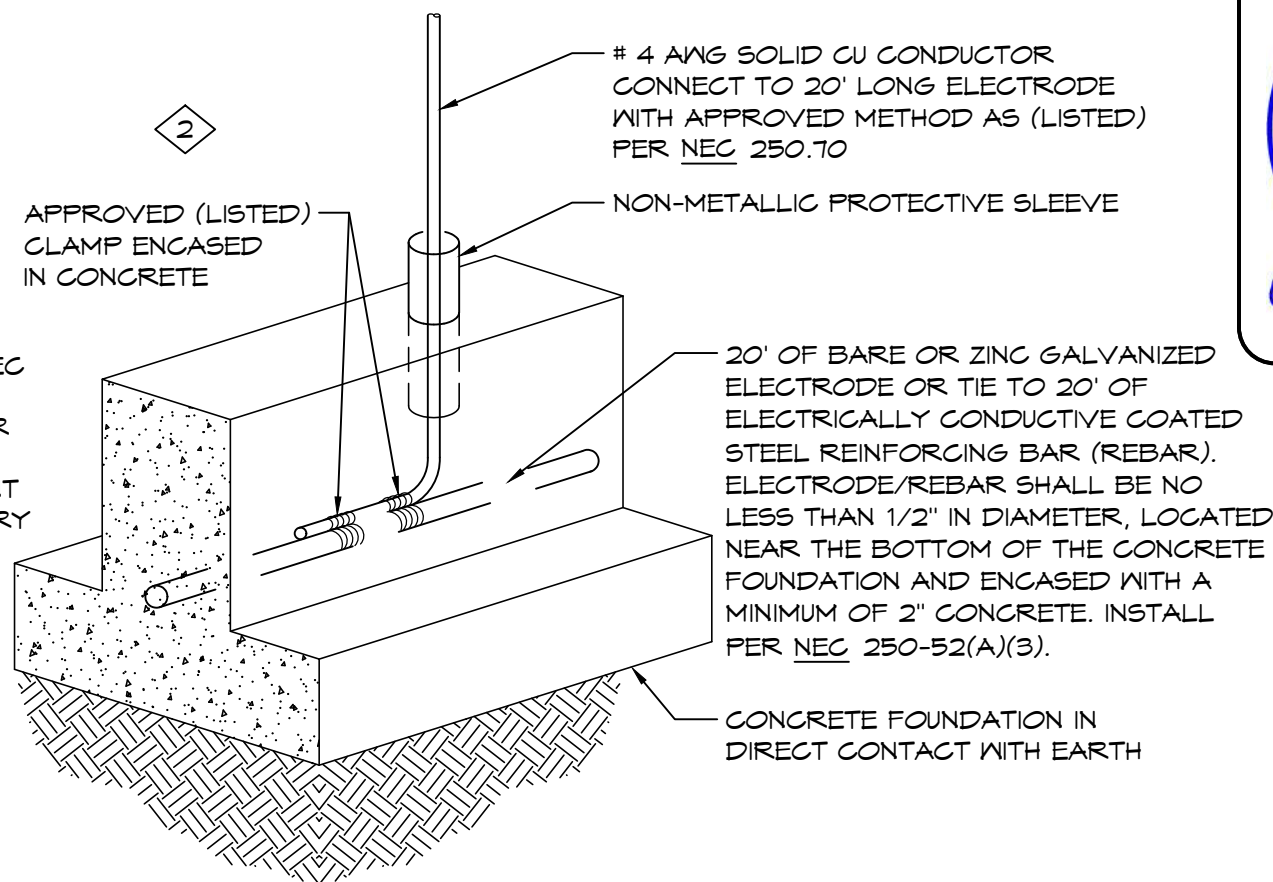
SHEET NO. **E2**



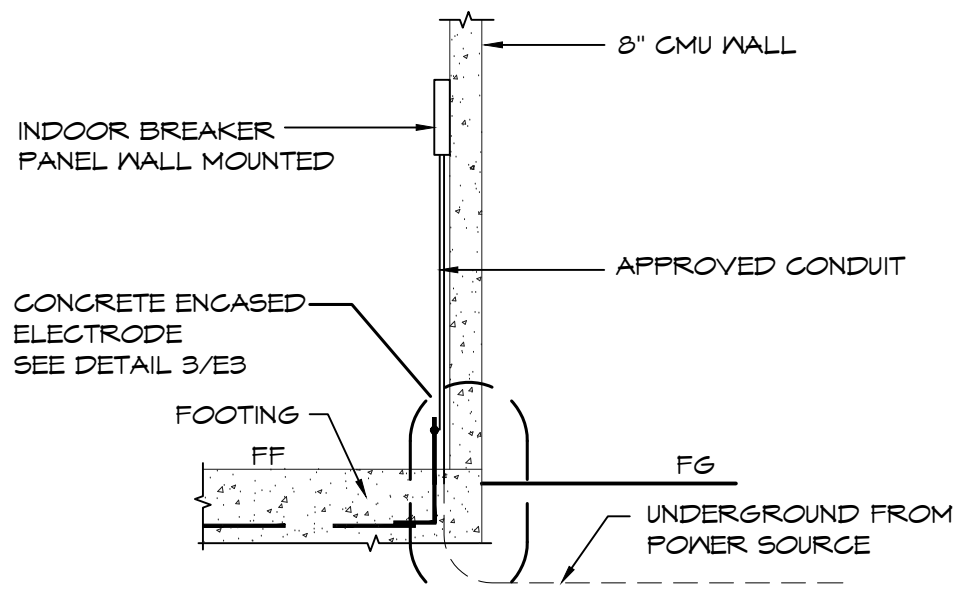
EXPIRES: 01/01/2025



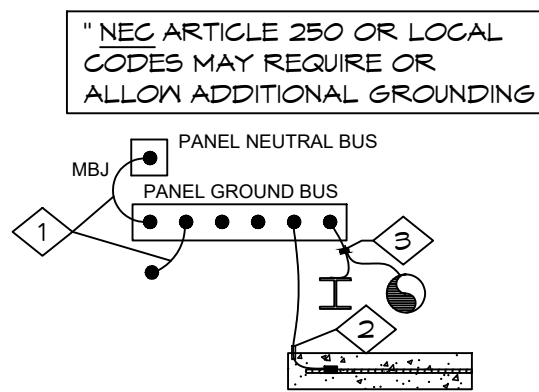
1 ONE-LINE DIAGRAM
SCALE: NONE



3 CONCRETE ENCASED SERVICE GROUND
SCALE: NONE



2 RISER DIAGRAM
SCALE: NONE



4 GROUNDING/BONDING DETAIL
SCALE: NONE

KEYED NOTES

- 1 #4 CU MAIN BONDING JUMPER AND EQUIPMENT BONDING JUMPER PER NEC 250.28(D), 250.102(C) AND TABLE 250.66. DO NOT BOND THE NEUTRAL TO THE GROUND BUS IF THIS IS NOT A SERVICE ENTRANCE
- 2 #4 CU TO CONCRETE ENCASED ELECTRODE PER NEC 250.52(A)(3), 250.66(B) AND 250.70
- 3 WHERE REQUIRED, BOND PIPING SYSTEMS AND EXPOSED STRUCTURAL STEEL PER NEC 250.104

Structural members only were included in this structural review/design by PSE. Non-structural items are NOT included.

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PROJECT:
**SANDY COMMUNITY CAMPUS PARK
SANDY, OREGON**

SHEET TITLE: **ELECTRICAL RISER DETAILS**

| | | |
|-----------|------------|-----|
| PLAN SET# | SCC01 | |
| DATE: | 11/21/2023 | |
| REVISIONS | | |
| REV. | DATE: | BY: |
| | | |
| | | |
| | | |
| DRAWN BY: | TY | |

SHEET NO.

E3