

BUILDING SPECIFICATIONS AND GENERAL NOTES

OWNERS INFORMATION:
 - NAME: WOUNDED WARRIOR CANINES
 - ADDRESS: W11085 RIVERSIDE ROAD
 - CITY: MARION
 - STATE: WI
 - ZIP: 54950

BUILDING DESIGN INFORMATION:
 - DESIGN CODE: 2018 COMM. BLDG. CODE
 - USE OF BUILDING: DOG TRAINING FACILITY
 - OCCUPANCY CLASSIFICATION: GROUP (B)
 - CONSTRUCTION TYPE: 5B
 - RISK CATEGORY: 2
 - FIRE SUPPRESSION SYSTEM: NO

BUILDING AREA:
 - AREA OF WORK: 4032 SQFT
 - MEZZANINE AREA: 0 SQFT
 - EXISTING BUILDING AREA: 0 SQFT
 - TOTAL BUILDING AREA: 4032 SQFT

ALLOWABLE AREA:
 - TABLE AREA: 9000 SQFT
 - PERIMETER INCREASE: 0 SQFT
 - SPRINKLER INCREASE: 0 SQFT
 - TOTAL ALLOWABLE AREA: 9000 SQFT

OCCUPANT LOAD AND FIXTURE COUNT:

ROOM LABEL	AREA	FLOOR AREA PER OCCUPANT (IBC 1004)	CALCULATED OCCUPANTS	ACTUAL OCCUPANTS	OCCUPANTS PER FIXTURE (TABLE 2002.1)	WATER CLOSETS	OCCUPANTS PER FIXTURE (TABLE 2002.1)	LAVATORIES	OCCUPANTS PER FIXTURE (TABLE 2002.1)	DRINKING FOUNTAINS
DOG TRAINING	2753	100	28	9	25	0.36	40	0.226	1000	0.009
RESTROOMS	127	300	1	1	-	-	-	-	-	-
TOTAL	2880		29	10		0.36		0.226		0.009

BUILDING DESIGN LOADS:

SNOW	WIND	SEISMIC	TRUSS DEAD LOADS
(Pg) = 50.0 PSF (Ce) = 0.90 (Is) = 1.00 (Cl) = 1.10 (P) = 34.65 PSF (Cs) = 0.86 (Pe) = 29.78 PSF (Lr) = 20.00 PSF	B.W.S. EXPOSURE = 115 MPH = C	- SEISMIC IMPORTANCE FACTOR: 1.00 - SPECTRA RESPONSE COEFFICIENT SDS: 0.053 - SPECTRA RESPONSE COEFFICIENT SD1: 0.051 - SITE CLASSIFICATION: D - SEISMIC DESIGN CATEGORY: A	DLTC = 7 PSF DLBC = 10 PSF
*WITH UNBALANCED LOADS AS REQUIRED			ELEVATED PLATFORM LOADS LIVE LOAD = 60 PSF DEAD LOAD = 15 PSF

MAJOR STRUCTURAL COMPONENTS:

COLUMNS:	- ALL LAMINATED COLUMNS SHALL BE MIDWEST MANUFACTURING'S, RIVET CLINCHED, WITH STEEL REINFORCED JOINTS UNLESS SPECIFIED OTHERWISE.
TRUSSES:	- DESIGNED IN ACCORDANCE TO 2015 IBC TPI APPROVED THIRD PARTY INSPECTED - MIDWEST MANUFACTURING TRUSS QUOTE NUMBER: QTREC0841595 - LATERAL BRACING IS REQUIRED. SEE TRUSS SPECIFICATION SHEET(S) FOR LATERAL BRACE LOCATIONS.
STEEL PANEL:	- MIDWEST MANUFACTURING'S PRO-RIB STEEL PANEL .0142" MINIMUM THICKNESS BEFORE PAINTING .0165" NOMINAL THICKNESS AFTER PAINTING G60 GALVANIZED COATING PLUS ZINC PHOSPHATE 40 YEAR PAINT WARRANTY STRUCTURAL STRENGTH ASTM-A653 GRADE 80 (FULL HARD STEEL) 82000 PSI MINIMUM TENSILE STRENGTH

PLEASE NOTE:

- DESIGNER LIABILITY LIMITED TO THE PREPARATION OF THE DRAWINGS WITH THE PARAMETER CONTRACTED AND ASCERTAINING TO CODE COMPLIANCE.
- THESE DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. ADDITIONAL DATA SHALL BE RECEIVED FROM THE ENGINEER THROUGH WRITTEN CLARIFICATION ONLY. VERIFY ALL EXISTING CONDITIONS, ELEVATIONS, & DIMENSIONS BEFORE PROCEEDING WITH ANY PORTION OF ANY WORK.
- NO CHANGES, MODIFICATIONS, OR DEVIATIONS SHALL BE MADE FROM THESE DRAWINGS OR SPECIFICATIONS WITHOUT FIRST SECURING WRITTEN PERMISSION FROM THE ENGINEER.
- WHERE LACK OF INFORMATION, OR ANY DISCREPANCY SHOULD APPEAR IN THE DRAWINGS OR SPECIFICATIONS, REQUEST WRITTEN INTERPRETATION FROM THE ENGINEER BEFORE PROCEEDING WITH THAT PORTION OF THE WORK.
- IMPORTANT! THIS BUILDING IS DESIGNED USING THE ROOF AS A DIAPHRAGM (DEEP THIN BEAM) TO TRANSFER SIDEWALL AND ROOF WIND LOADS TO THE ENDWALL SHEAR WALLS. STEEL PANELS ARE AN INTEGRAL PART OF THE BUILDING STRUCTURE AND ANY FUTURE FIELD MODIFICATIONS MADE MAY BE DETRIMENTAL TO THE BUILDING'S STRUCTURAL PERFORMANCE.
- ROOF SYSTEM USES A SLIPPERY ROOF SURFACE. THE USE OF ACCESSORIES TO PREVENT THE SLIDING OF SNOW IS NOT PERMITTED.

SOIL:

- OWNER RESPONSIBLE FOR VERIFYING SITE SOIL CONDITIONS. ALL SOILS TO MEET OR EXCEED REQUIREMENTS AS REFERENCED IN THE GENERAL NOTES. CONSULT GEOTECHNICAL ENGINEER IF NECESSARY.
- ALL SOILS BELOW CONCRETE SHALL BE A NON-FROST SUSCEPTIBLE SOIL AS REQUIRED IN ASCE 32.
- FOOTINGS TO BE ABOVE THE WATER TABLE.
- ALL FOOTINGS AND SLAB TO BEAR ON UNDISTURBED INORGANIC SOIL OR SOIL COMPACTED TO 95% MODIFIED PROCTOR DENSITY.
- SOIL DESIGN BASED ON IBC CHAPTER 18 (CHAPTERS 16, 19, 21, 22 AND 23)
- PRESUMPTIVE SOIL TYPE FROM WEB SOIL SURVEY, USDA AND NRCS: (CLASS OF MATERIAL: SW, SP, SM, AND SC).
- SOIL CONSISTENCY: MEDIUM
- A SOIL BEARING PRESSURE AT GRADE ASSUMED AT A MINIMUM 2000 PSF.

CONCRETE:

- CONCRETE SHALL BE IN ACCORDANCE WITH ACI 318.
- CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS.
- ALL DEFORMED REBAR SHALL MEET A615 GRADE 60 OR BETTER.

LUMBER:

- ALL WOOD CONSTRUCTION SHALL BE OF MATERIALS SHOWN AND WORKMANSHIP SHALL BE IN ACCORDANCE TO THE NATIONAL FOREST PRODUCTS ASSOCIATION SPECIFICATIONS FOR WOOD CONSTRUCTION.
- ALL 2x4, 2x6, 2x8 LUMBER SHALL BE #2 SPF OR BETTER UNLESS NOTED OTHERWISE. ALL 2x10 & 2x12 LUMBER SHALL BE AS SPECIFIED ON THE BUILDING PRINT.
- FOR LUMBER REQUIRED TO BE PROTECTED FROM DECAY AND/OR INSECTS, SEE MOST CURRENT AWPA U1 FOR USE CATEGORIES AND EXPOSURE CONDITIONS.

STEEL TRIMS:

- COLOR MATCHED STEEL TRIMS
- CERAM-A-STAR 1050 PAINT SYSTEM

- ALL FASTENERS SHALL BE AS LISTED BELOW UNLESS NOTED OTHERWISE.

PRIMARY FASTENERS (POST FRAME NAILS):	SECONDARY FASTENERS (POST FRAME NAILS):
- 16d RINGSHANK NAILS (.148")	- 10d RINGSHANK NAILS (.135")
- 30d RINGSHANK NAILS (.177")	- 16d RINGSHANK NAILS (.148")
- 60d RINGSHANK NAILS (.200")	- 30d RINGSHANK NAILS (.177")

PANEL FASTENERS: - COLOR MATCHED GALVANIZED WOODGRIP SCREWS, #10 DIAMETER, 1/4" HEX HEAD.

HANDLING AND STORING: - ALL STEEL PANELS AND TRUSS PRODUCTS SHOULD BE HANDLED AND STORED PER MANUFACTURER SPECIFICATIONS.

GRADE: - ALL FINISHED GRADES TO SLOPE AWAY FROM BUILDING AT A MIN. 5% GRADE FOR PROPER DRAINAGE (2% FOR IMPERVIOUS SURFACES) (IBC 1804).

CONSTRUCTION BRACING: - TEMPORARY BRACING DURING CONSTRUCTION SHALL BE CONTRACTORS' RESPONSIBILITY. REFER TO BCSI-B1 AND/OR B10 SUMMARY SHEET "GUIDE FOR HANDLING, INSTALLING, RESTRAINING AND BRACING OF TRUSSES", BY THE TRUSS PLATE INSTITUTE (TPI) AND THE WOOD TRUSS COUNCIL OF AMERICA (WTCA).

HVAC: - HEATING, VENTING, AND AIR CONDITIONING REQUIREMENTS WERE NOT ADDRESSED ON THE DRAWINGS AND SHOULD BE APPROVED BY LOCAL OFFICIALS.

PLUMBING: - PLUMBING REQUIREMENTS WERE NOT ADDRESSED ON THE DRAWINGS AND SHOULD BE INSTALLED IN ACCORDANCE WITH REQUIRED BUILDING CODES.

ELECTRICAL: - ELECTRICAL REQUIREMENTS WERE NOT ADDRESSED ON THE DRAWINGS AND SHOULD BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND ANY LOCAL CODES.

EXIT LIGHTS: - EXIT SIGNS SHALL BE ILLUMINATED AT ALL TIMES. TO ENSURE CONTINUED ILLUMINATION FOR A DURATION OF NOT LESS THAN 90 MINUTES IN CASE OF PRIMARY POWER LOSS, THE EXIT SIGNS SHALL BE CONNECTED TO AN EMERGENCY ELECTRICAL SYSTEM PROVIDED FROM STORAGE BATTERIES, UNIT EQUIPMENT OR AN ON-SITE GENERATOR. THE INSTALLATION OF THE EMERGENCY POWER SYSTEM SHALL BE IN ACCORDANCE WITH THE ICC ELECTRICAL CODE.

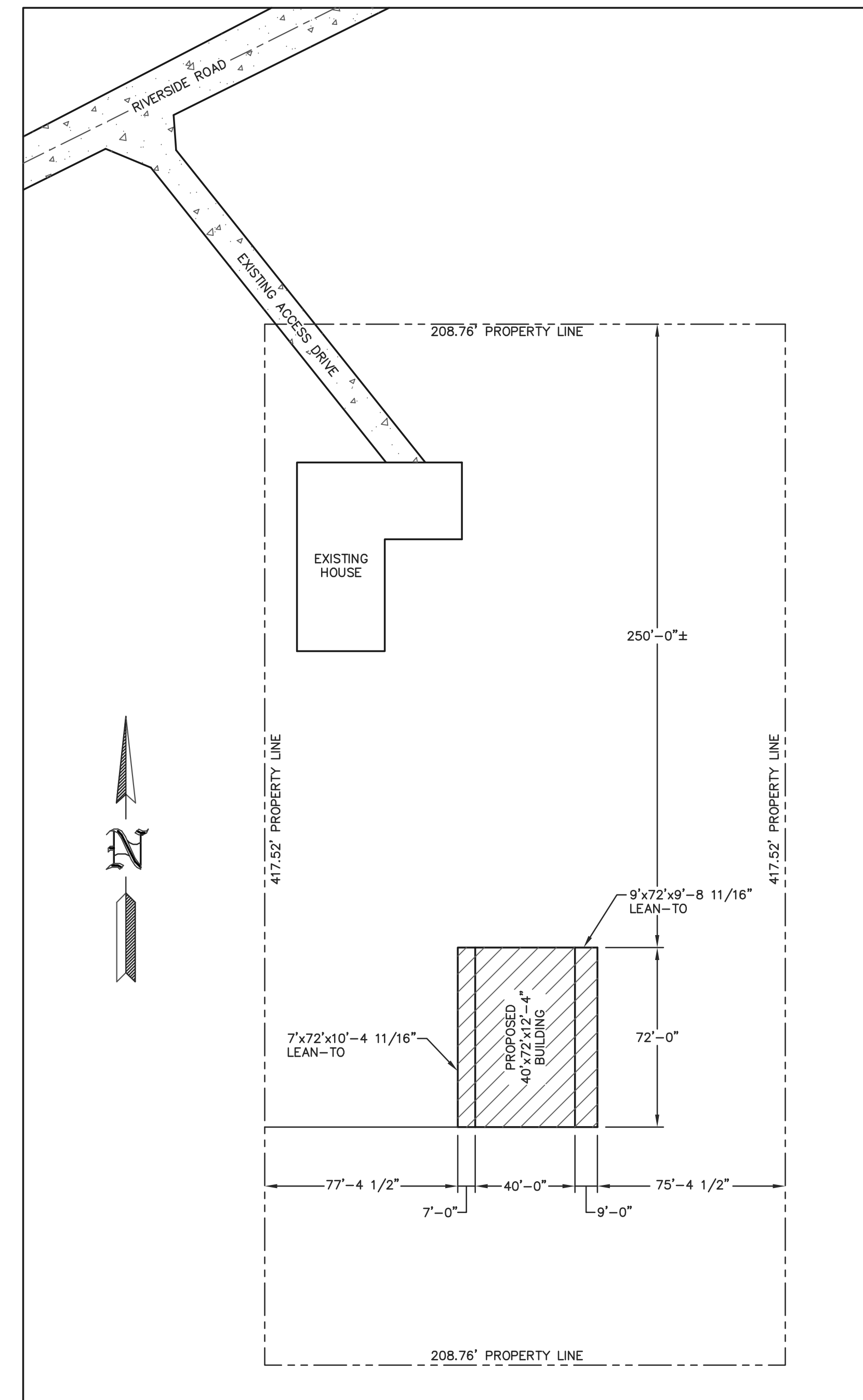
ACCESSIBLE PARKING: - SHALL COMPLY WITH ICC/ANSI A117.1 CHAPTER 5.

ACCESSIBLE ROUTE: - SHALL COMPLY WITH ICC/ANSI A117.1 CHAPTER 4.

ACCESSIBLE DOOR HARDWARE: - SHALL COMPLY WITH ICC/ANSI A117.1 CHAPTER 3 SECTION 309. HANDLES, PULLS, LATCHES, AND OTHER OPERATING DEVICES ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING, OR TWISTING OF THE WRIST TO OPERATE. LEVER OPERATED MECHANISMS, PUSH-TYPE MECHANISMS, AND U-SHAPED HANDLES ARE ACCEPTABLE DESIGNS. WHEN SLIDING DOORS ARE FULLY OPENED, OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES. HARDWARE REQUIRED FOR ACCESSIBLE DOOR PASSAGE SHALL BE MOUNTED NO HIGHER THAN 48" (1220 MM) ABOVE FINISHED FLOOR. THE THRESHOLD OF SERVICE DOORS MAY NOT EXCEED 1/2" ON EITHER SIDE OF THE DOOR WITH 1:2 SLOPE IF GREATER THAN 1/4".

FIRE EXTINGUISHERS: - SHALL BE INSTALLED, PROVIDED, AND MAINTAINED AS SPECIFIED IN NFPA NO. 10 (BY OTHERS).

WOUNDED WARRIOR CANINES TRAINING AND REHAB CENTER MARION, WI



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 NAME: WOUNDED WARRIOR CANINES TRAINING AND REHAB CENTER
 ADDRESS: W11085 RIVERSIDE ROAD
 CITY: MARION
 STATE: WI
 ZIP: 54950
 COUNTY: SHAWANO

NOTE: EACH SERVICE DOOR @ EACH UNIT SHALL BE EQUIPPED WITH LEVER OPERATED HANDLES AS PER ADAAG 4.13.9.

NOTE: THE OWNER SHALL PROVIDE DESIGNATED SPACE WITHIN OR ADJACENT TO STRUCTURE FOR THE COLLECTION OF RECYCLABLE MATERIALS AS PER SPS 362.0400(2).

NOTE: THE OWNER/CONTRACTOR SHALL VERIFY ALL BUILDING SETBACKS WITH LOCAL OFFICIALS PRIOR TO CONSTRUCTION. ADJUST BUILDING LOCATION TO COMPLY, IF REQUIRED.

NOTE: IF MORE THAN ONE ACRE OF LAND IS DISTURBED BY BUILDING ERECTION AND/OR PARKING AND ACCESS DRIVE SURFACE, THEN THE OWNER/CONTRACTOR SHALL SUBMIT A WATER RESOURCES APPLICATION FOR PROJECT PERMITS (WRAPP) AS PER NR 216.

NOTE: FLOOR ELEVATION @ ALL SERVICE DOORS SHALL BE LEVEL AND FLUSH WITH ADJACENT INSIDE AND OUTSIDE FLOORS AS PER IBC 1010.1.5

NOTE: CURB RAMPS COMPLYING W/ ADAAG 4.7 ARE REQUIRED WHEREVER AN ACCESSIBLE ROUTE CROSSES A CURB.

NOTE: THE OWNER SHALL PROVIDE AN ALL WEATHER HARD SURFACE AREA 30 FEET OR MORE IN WIDTH EXTENDING AT LEAST 50% OF THE LENGTH OF ONE SIDE OF THE PROPOSED STRUCTURE AND MUST BE ACCESSIBLE TO FIRE FIGHTING EQUIPMENT.

NOTE: PARKING LOT REQUIRES HANDICAP ACCESSIBLE PARKING STALLS. (ANSI A117.1.502) FOR NUMBER OF STALLS REQUIRED, SEE WISCONSIN CODE SECTION 1106.

SITE PLAN
SCALE: 1"=40'

SHEET INDEX	
SHEET #	SHEET DESCRIPTION
S1	GENERAL NOTES AND SITE PLAN
S2	ELEVATIONS
S3	FLOOR PLAN
S4	ROOF FRAMING PLAN
S5	SIDEWALL SECTION @ 9' LEAN-TO AND SECTION DETAILS
S6	SIDEWALL SECTION @ 7' LEAN-TO AND SECTION DETAILS
S7	ENDWALL SECTIONS AND SECTION DETAILS
S8	ELEVATED PLATFORM FRAMING PLAN AND DETAILS
S9	RESTROOM DETAILS
S10	STEEL APPLICATION DETAILS

ENGINEERING SERVICES
 6311 KANE RD. KAU LAURE, WI 54703 (715) 876-6666

FOR QUESTIONS PLEASE CONTACT BUILDING DESIGNER AT THE FOLLOWING:
 ENGINEERING@MIDWESTMANUFACTURING.COM

PROJECT TITLE:
WOUNDED WARRIOR CANINES TRAINING AND REHAB CENTER
 MARION, WI

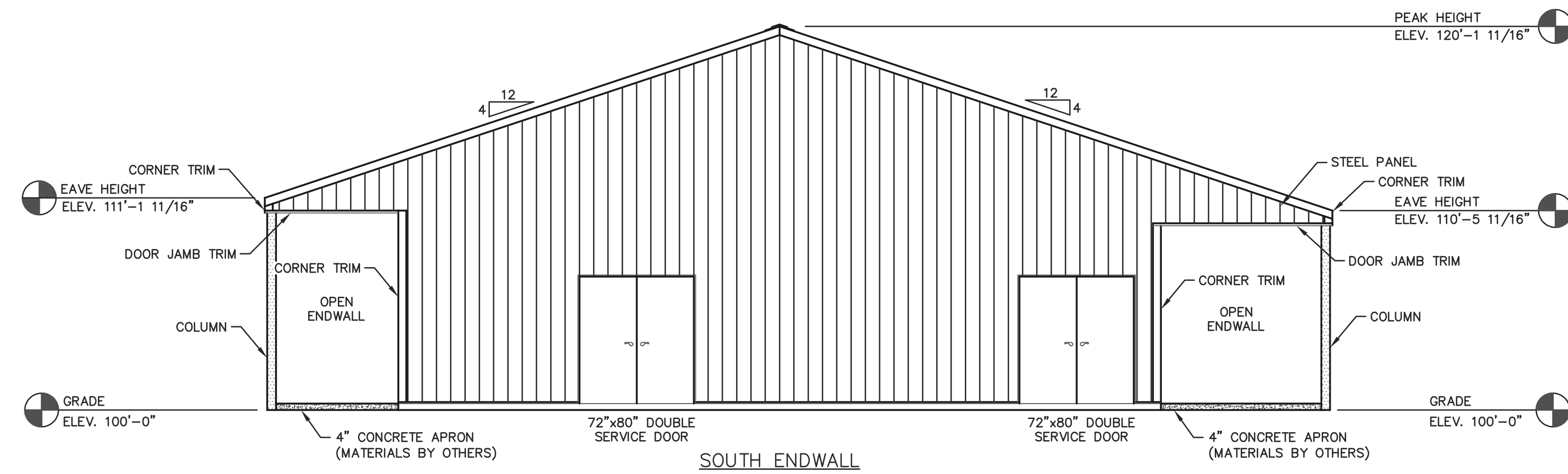
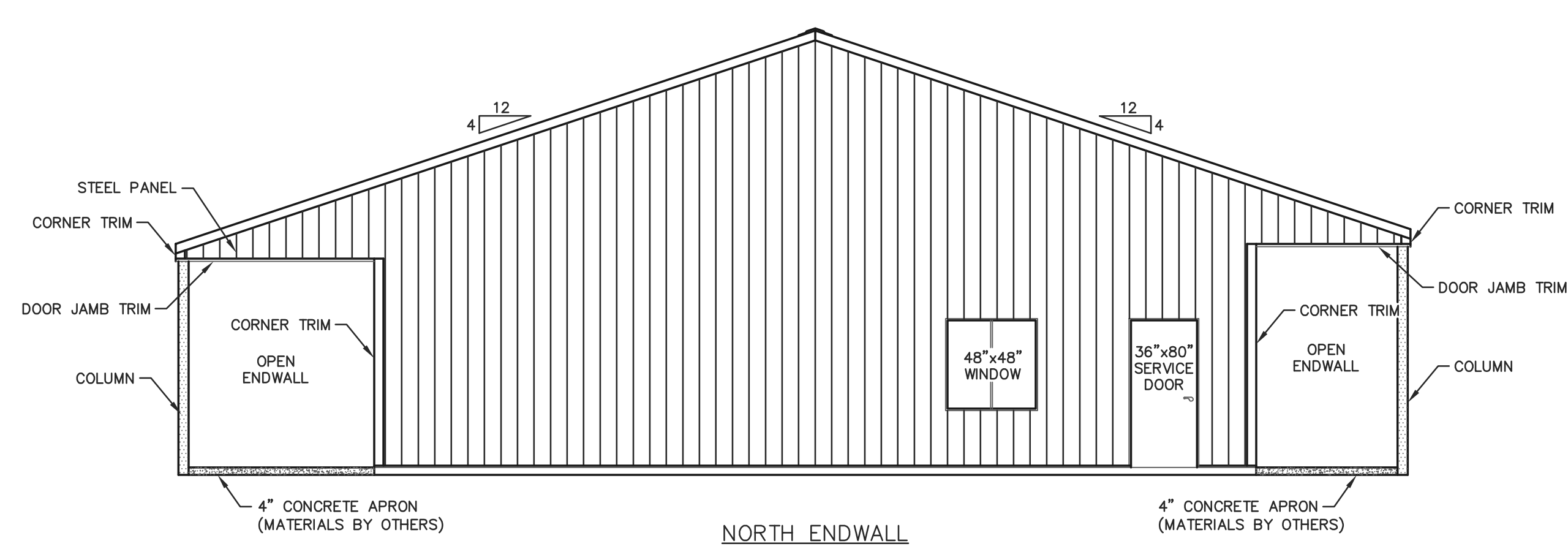
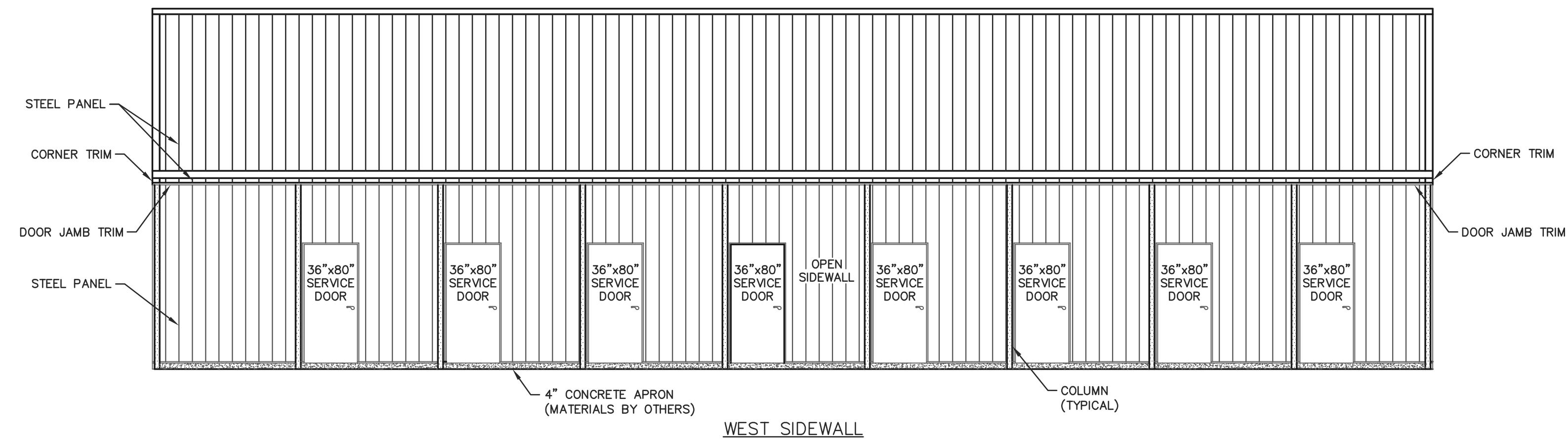
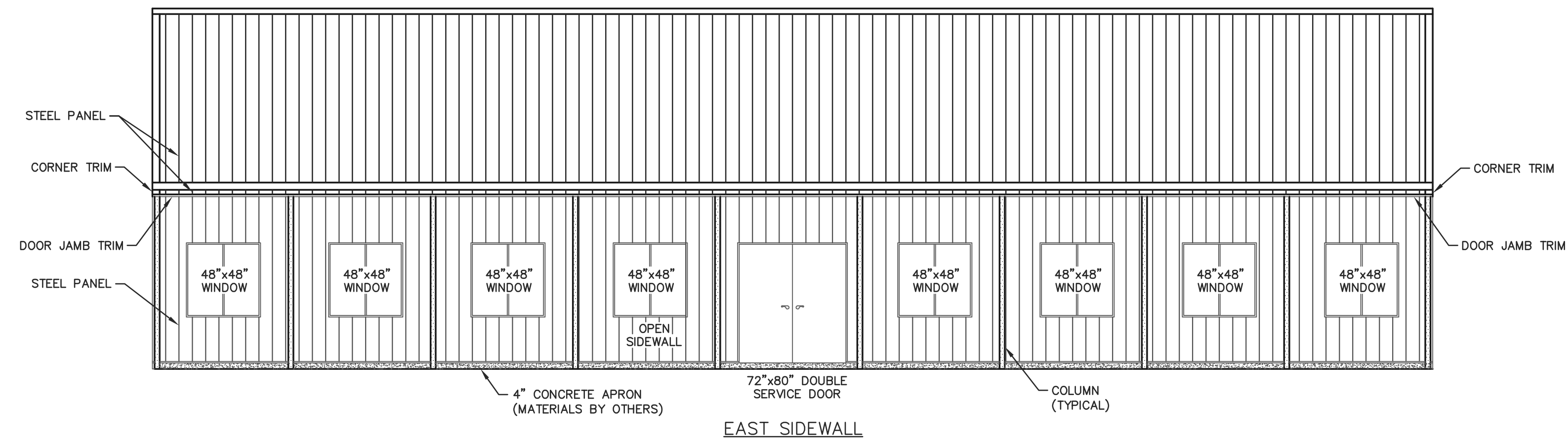
PROF. ENGINEER: JEFF MURRAY
 PLAN DESIGNER: CHOUA KHA
 DRAWN BY: JMS
 DATE: 6/17/2024
 SCALE: AS NOTED

REVISIONS

NO	DATE	DESCRIPTION	BY
1			
2			

SHEET TITLE:
 GENERAL NOTES AND SITE PLAN

FILE NAME: B10524WI
 SHEET NO. **S1**



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

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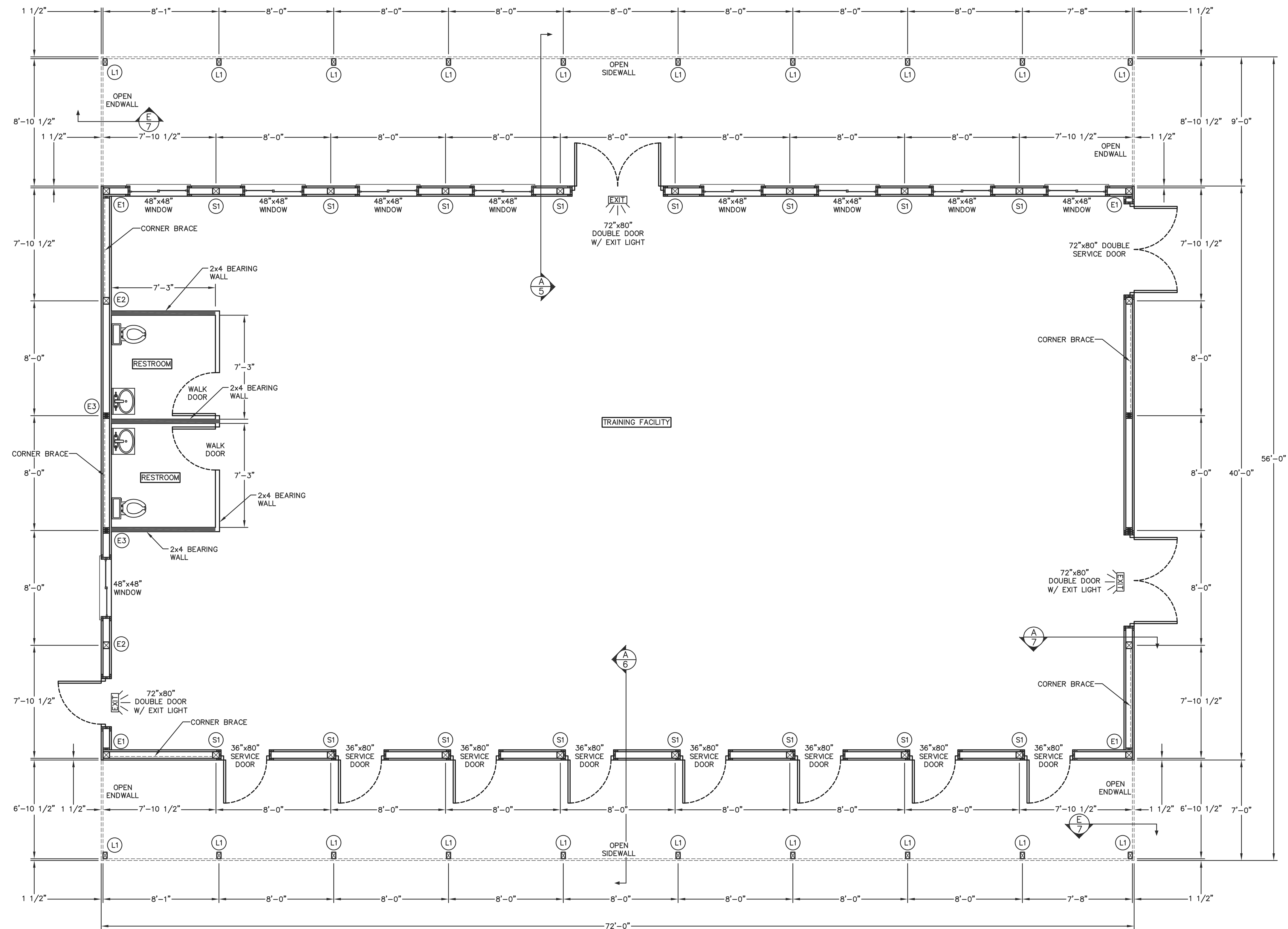
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PLAN DESIGNER: CHOUA KHA
DRAWN BY: JMS
DATE: 6/17/2024
SCALE: AS NOTED

REVISIONS		
NO	DATE	DESCRIPTION
1		
2		

SHEET TITLE:
ELEVATIONS

FILE NAME: B10524WI
SHEET NO.
S2



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


NOTE:
ALL DIMENSIONS ARE TO CENTERLINE OF COLUMNS EXCEPT FOR CORNERS AND OVERHEAD DOOR JAMBS OR UNLESS NOTED OTHERWISE.

NOTES:
- ALL INTERIOR PARTITION WALLS ARE 2x4 WALLS UNLESS NOTED OTHERWISE. ALL PARTITION WALLS SHALL CONSIST OF A TREATED BOTTOM PLATE, A DOUBLE TOP PLATE AND STUDS SPACED @ 24" O.C. MAX. SECURE BOTTOM PLATES TO CONCRETE FLOOR AS PER OWNER/CONTRACTOR SUCH THAT WALLS DO NOT SHIFT DURING NORMAL BUILDING USE.
- ALL INTERIOR ROOM DIMENSIONS SHOWN ARE TO FACE OF FRAMING. OWNER/CONTRACTOR SHALL VERIFY FINAL ROOM DIMENSIONS AT TIME OF CONSTRUCTION.
- ALL SERVICE DOORS AND WINDOW SIZES SHOWN ARE NOMINAL. OWNER/CONTRACTOR SHALL VERIFY ROUGH OPENING DIMENSIONS AT TIME OF CONSTRUCTION
- ALL INTERIOR WALK DOORS ARE SHOWN AS 36"x80" UNLESS NOTED OTHERWISE.

COLUMN & FOOTING SCHEDULE				
COLUMN LOCATION	COLUMN DESCRIPTION	EMBEDMENT	NUMBER OF COLUMNS	FOOTING DESCRIPTION
S1	(18")-6x6 #2 SYP (S4S) TREATED COLUMN	4'-2"	16	24"x8" CONCRETE FOOTING
E1	(18")-6x6 #2 SYP (S4S) TREATED COLUMN	4'-2"	4	24"x8" CONCRETE FOOTING
E2	(22")-6x6 #2 SYP (S4S) TREATED COLUMN	4'-2"	4	24"x8" CONCRETE FOOTING
E3	3-PLY (24")-2x6 #1 SYP LAMINATED COLUMN	4'-2"	4	24"x8" CONCRETE FOOTING
L1	(16")-4x6 #2 SYP (S4S) TREATED COLUMN	4'-0"	20	24"x8" CONCRETE FOOTING

NOTE:
CORNER BRACE SHALL BE A 2x6 EXTENDING FROM THE GRADEBOARD AT THE INTERIOR COLUMN TO THE TOP OF THE CORNER COLUMN. CORNER BRACE SHALL BE PLACED ON THE INSIDE FACE OF FRAMING MEMBERS. CORNER BRACE SHALL BE SECURED TO THE GRADEBOARD W/(3)-10d RINGSHANK NAILS AND TO THE EDGE PURLIN/ENDFRAME BOTTOM CHORD W/(3)-10d RINGSHANK NAILS. EACH BRACE TO GIRT LOCATION SHALL BE SECURED W/(1)-10d RINGSHANK NAIL.

NOTE:
IF CONCRETE FOOTINGS ARE POURED ON SITE, THEN FOOTINGS MUST BE A MINIMUM OF 8" THICK.



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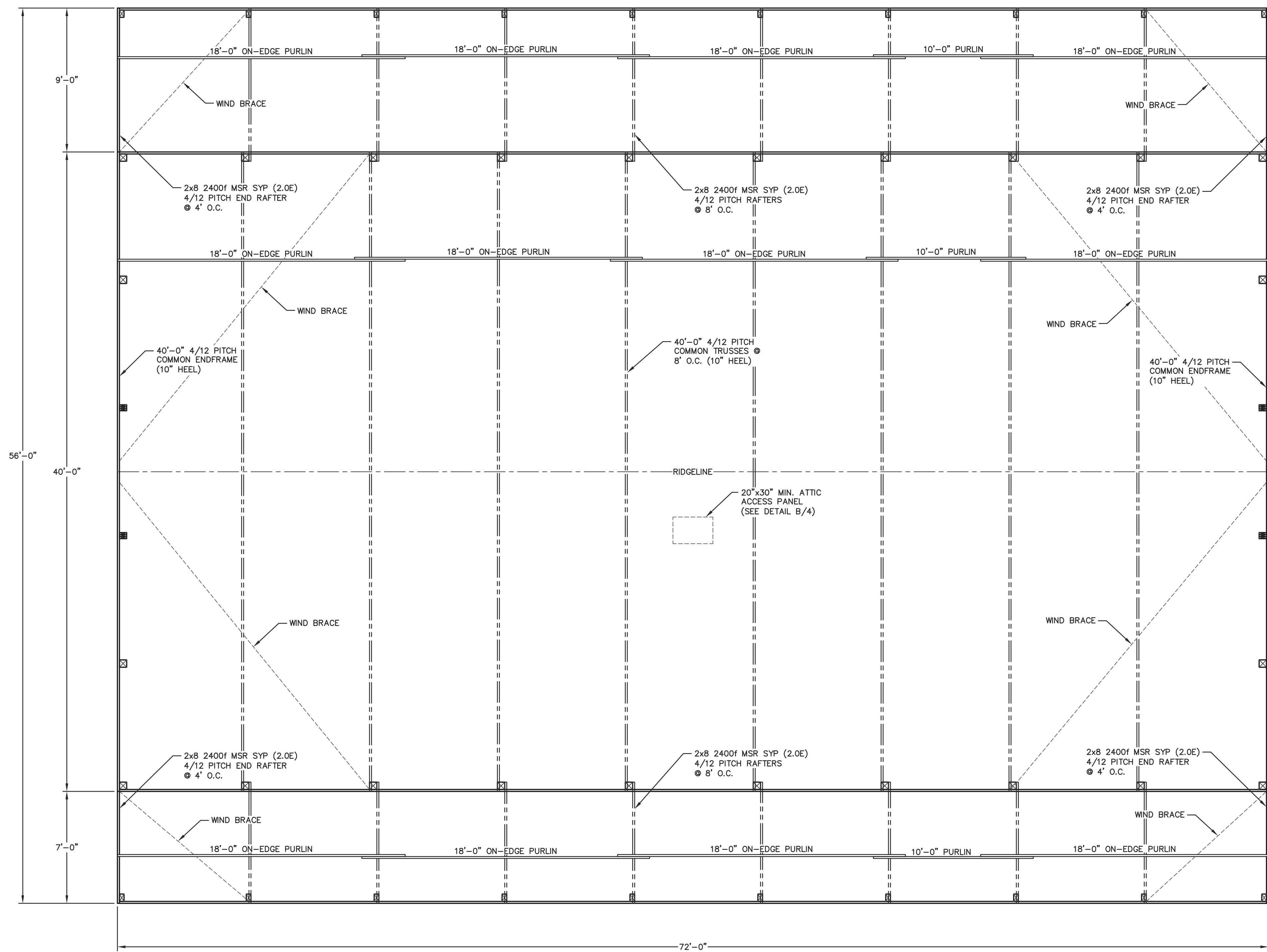
PROJECT TITLE:
WOUNDED WARRIOR CANINES TRAINING AND REHAB CENTER
MARION, WI

PROF. ENGINEER: JEFF MURRAY
PLAN DESIGNER: CHOUA KHA
DRAWN BY: JMS
DATE: 6/17/2024
SCALE: AS NOTED

REVISIONS		
NO	DATE	DESCRIPTION
1	6/17/2024	FOOTING SIZE
2		

SHEET TITLE:
FLOOR PLAN

FILE NAME: B10524WI
SHEET NO.
S3

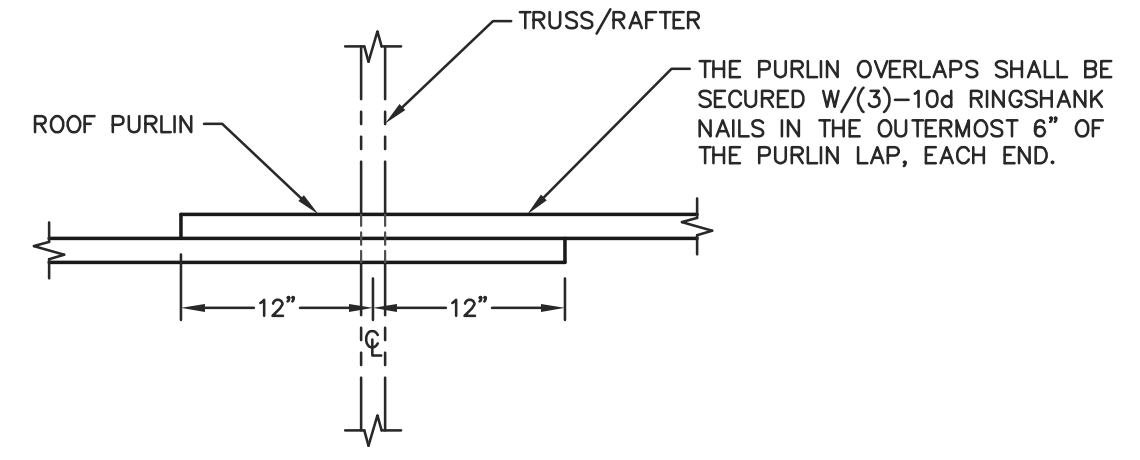


ROOF FRAMING PLAN
SCALE: 1/4"=1'-0"

NOTE:
WIND BRACE SHALL BE A 2x4 PLACED ON THE UNDERSIDE OF THE ROOF PURLINS. WIND BRACE SHALL BE SECURED W/(2)-30d RINGSHANK NAILS AT EACH END AND W/(1)-10d RINGSHANK NAIL AT EACH BRACE TO PURLIN LOCATION.

NOTE:
LATERAL BRACING IS REQUIRED. SEE TRUSS SPECIFICATION SHEET(S) FOR LATERAL BRACE LOCATIONS.

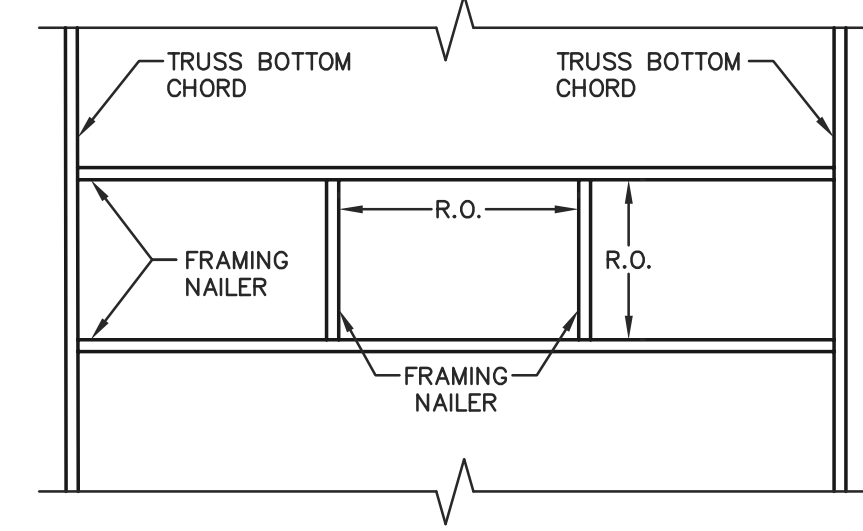
NOTE: (7' AND 9' LEAN-TOS)
2x4 ROOF PURLINS (ON-EDGE) AT 22" O.C. ROOF PURLINS ARE TO BE SECURED TO THE RAFTER W/(1)-60d RINGSHANK NAIL AT EACH PURLIN TO RAFTER LOCATION.



NOTE:
2x4 ROOF PURLINS (ON-EDGE). THE FIRST (7) ROWS OF PURLINS AFTER THE PEAK PURLIN SHALL BE AT 15" O.C. WITH THE BALANCE AT 22" O.C. ROOF PURLINS ARE TO BE SECURED TO THE TRUSS W/(1)-60d RINGSHANK NAIL AT EACH PURLIN TO TRUSS LOCATION.

PURLIN OVERLAP DETAIL
SCALE: 1"=1'-0"

NOTE:
ATTIC AREA SHALL BE COMPARTMENTALIZED INTO AREAS NOT GREATER THAN 3000 SQ. FT. BY FIRE STOPPING AS SPECIFIED IN IBC 718.4. EVERY ATTIC COMPARTMENT SHALL BE PROVIDED WITH A 20'x30" ACCESS PANEL FROM LOWER AREA OR ACCESS PANELS IN COMPARTMENT WALLS SHALL BE PROVIDED WITH SELF CLOSING DEVICES. (INCLUDES OVERHANGS)



ATTIC ACCESS FRAMING
SCALE: 1/2"=1'-0"



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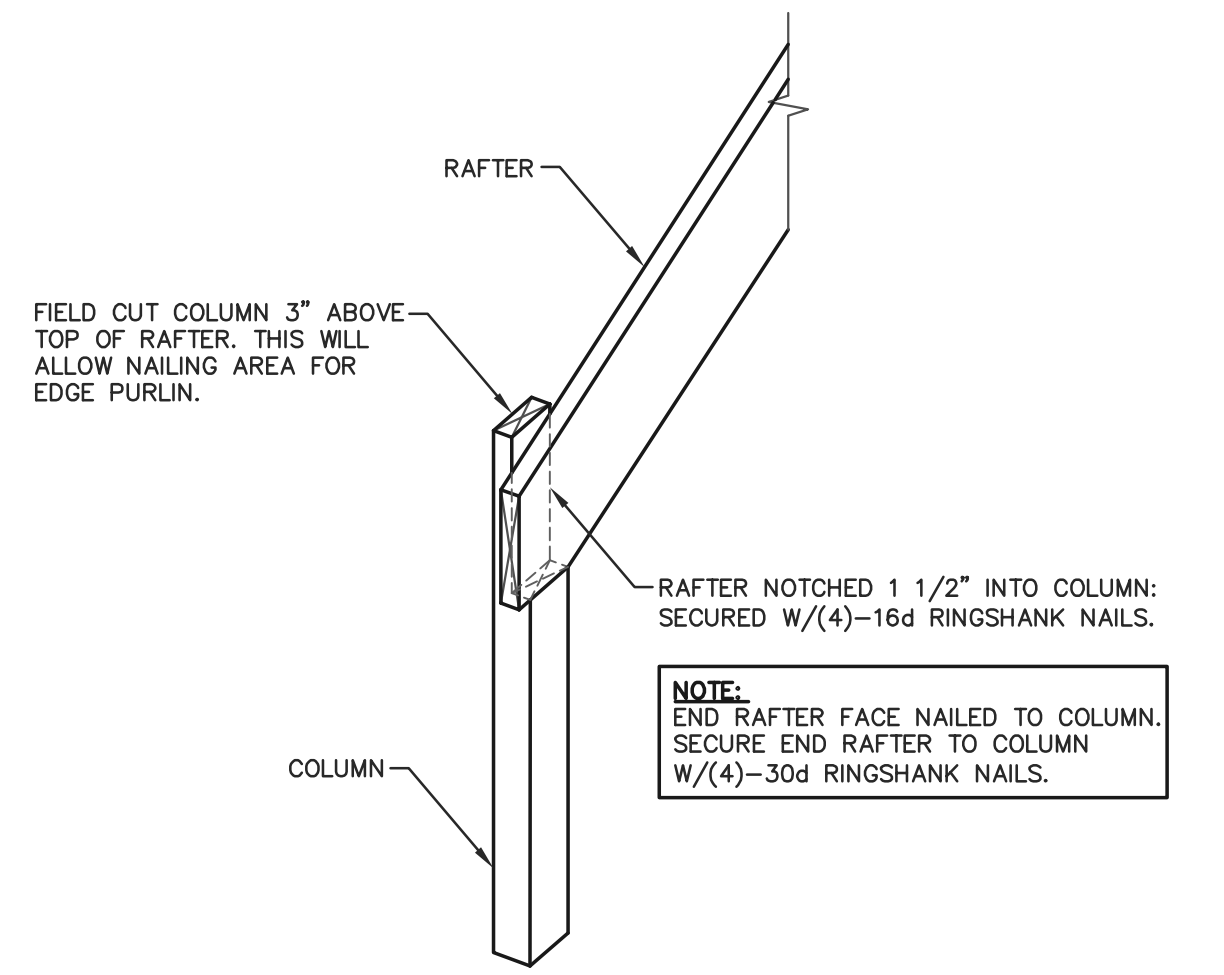
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REVISIONS		
NO	DATE	DESCRIPTION
1		
2		

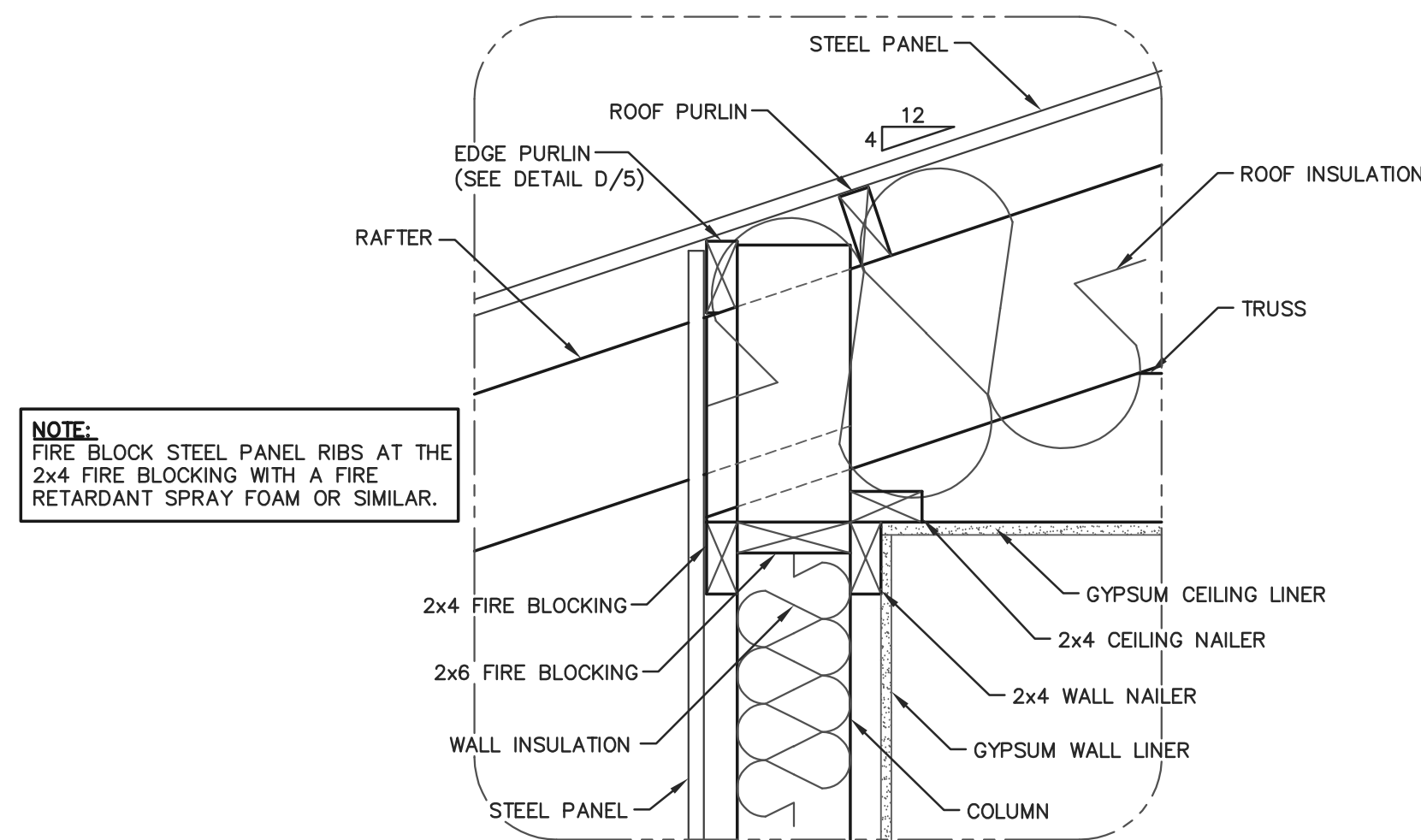
SHEET TITLE:
ROOF FRAMING PLAN

FILE NAME: B10524WI
SHEET NO.

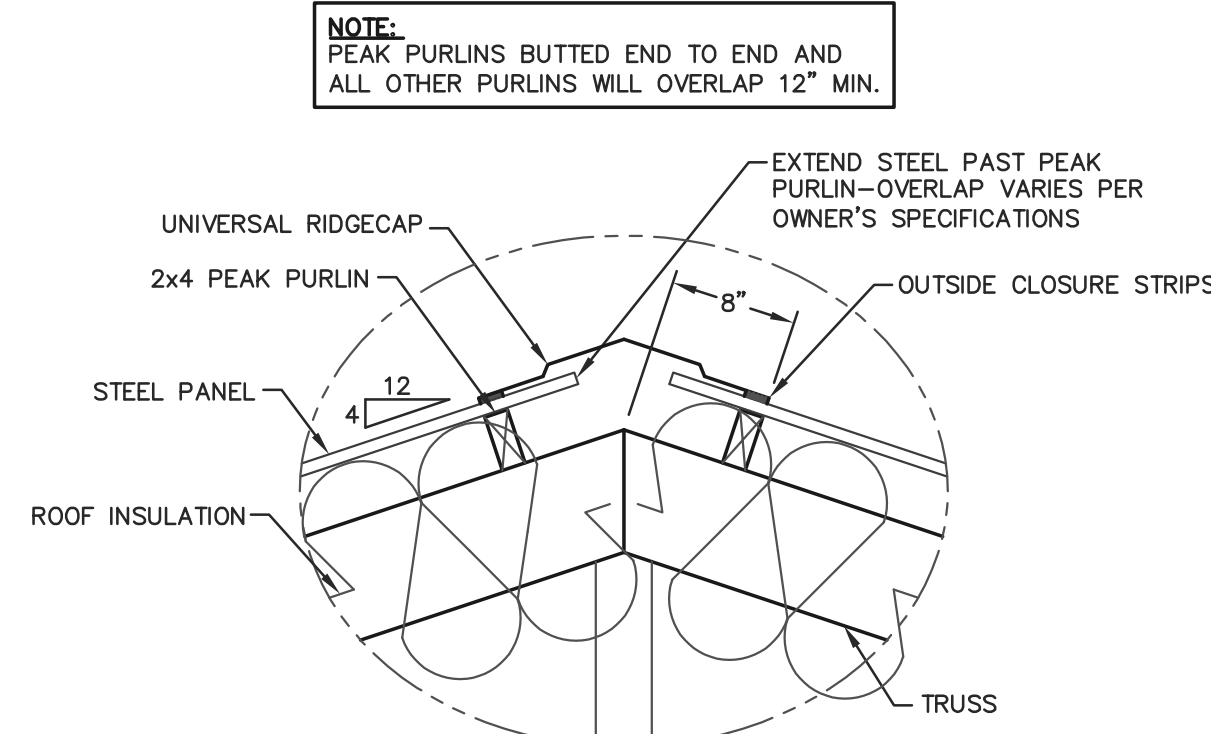
S4



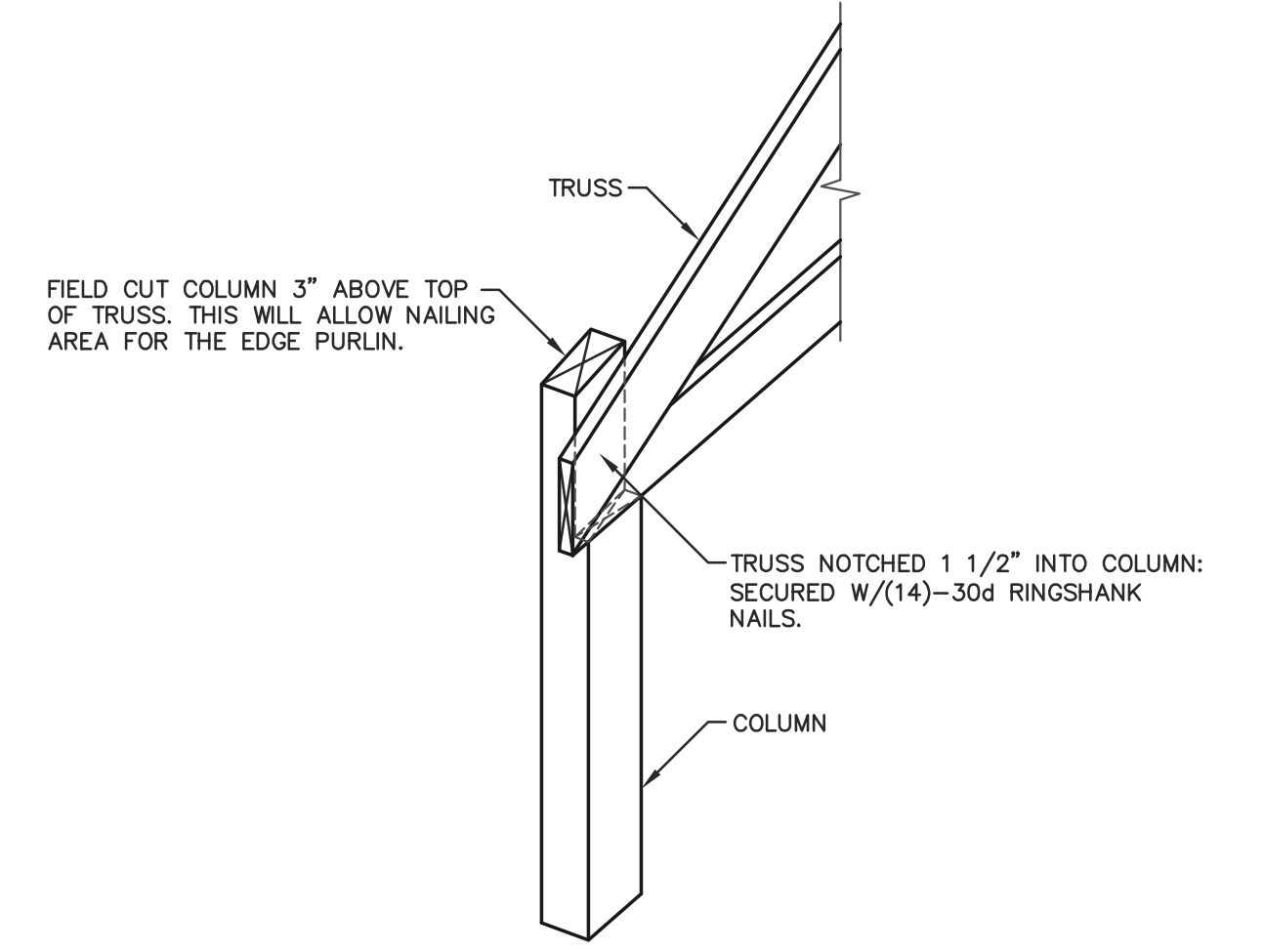
E RAFTER INSTALLATION @ LEAN-TO (LOW SIDE)
5 NOT TO SCALE



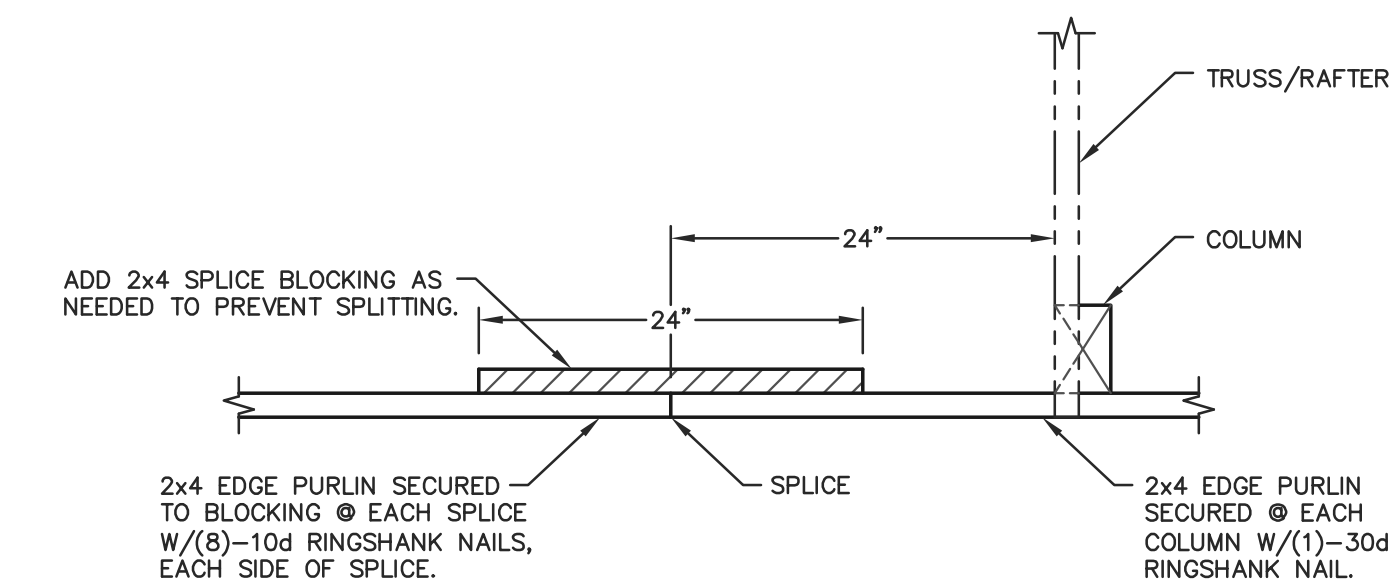
F EAVE DETAIL
5 SCALE: 1 1/2"=1'-0"



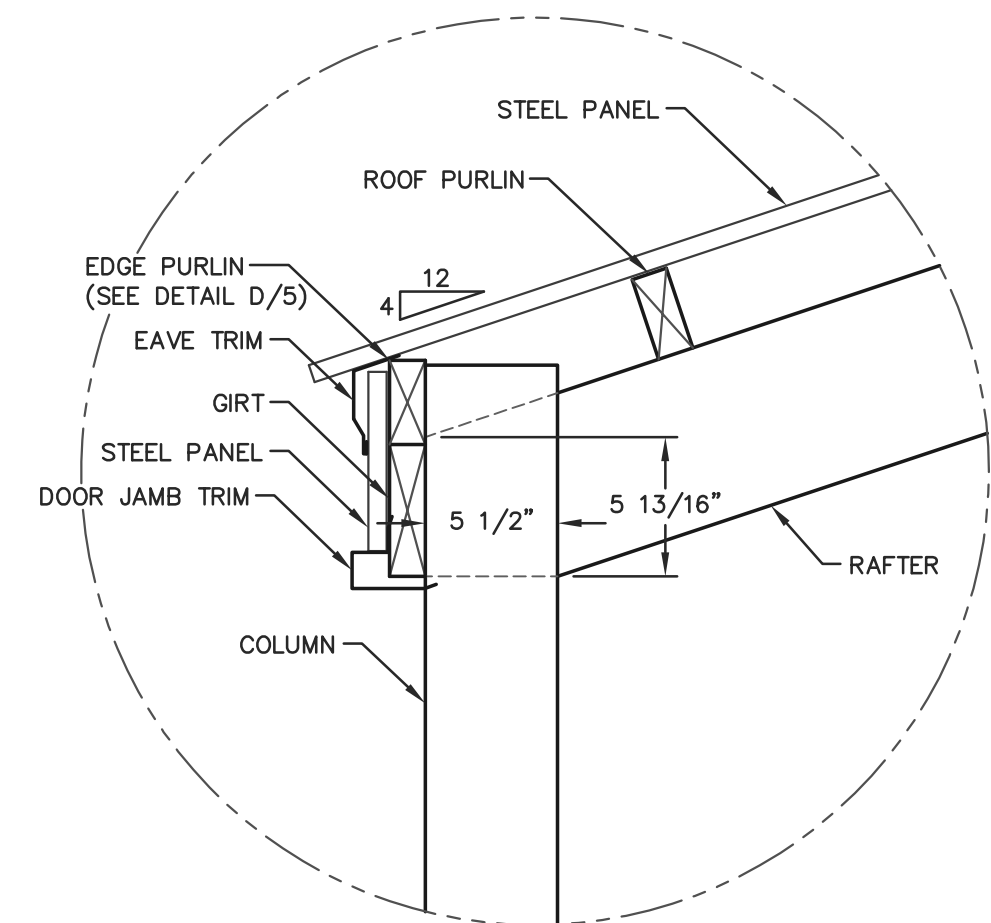
G PEAK PURLIN DETAIL
5 SCALE: 1"=1'-0"



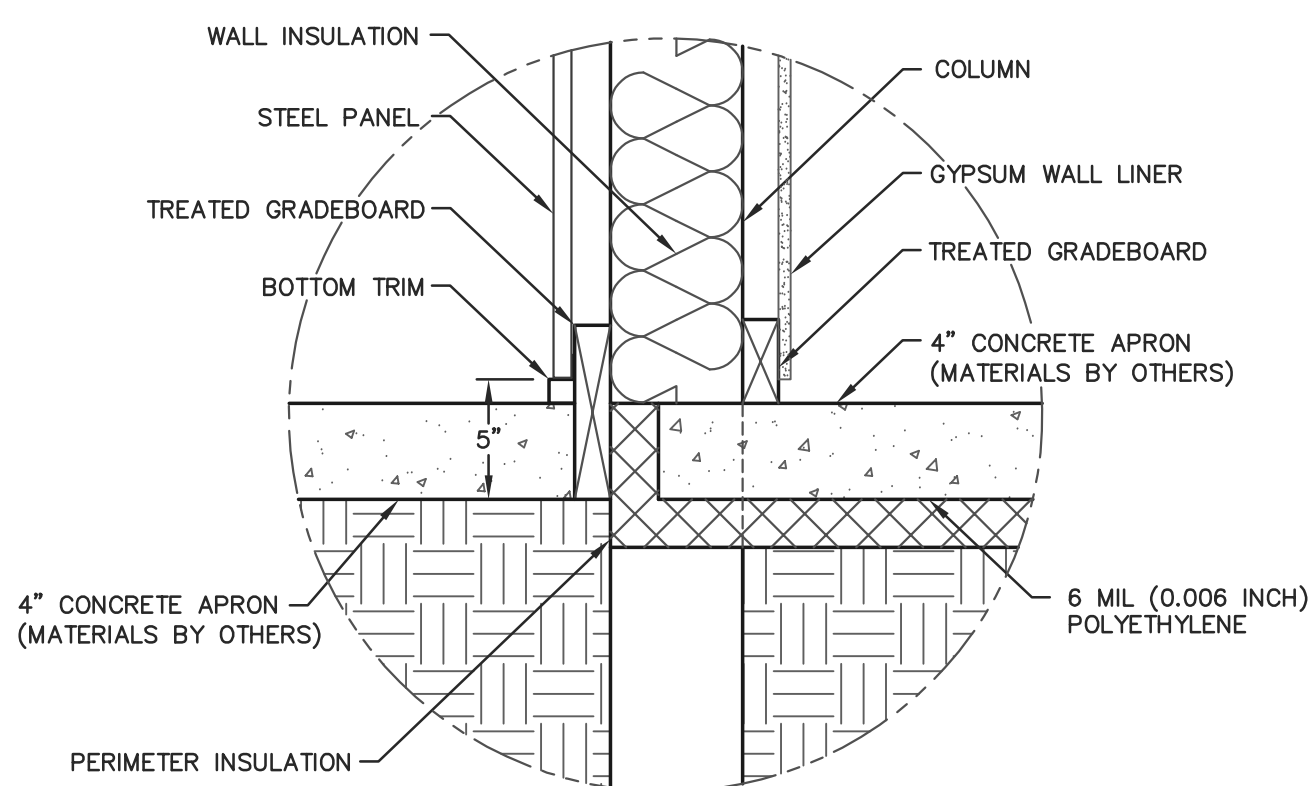
H TRUSS INSTALLATION DETAIL
5 NOT TO SCALE



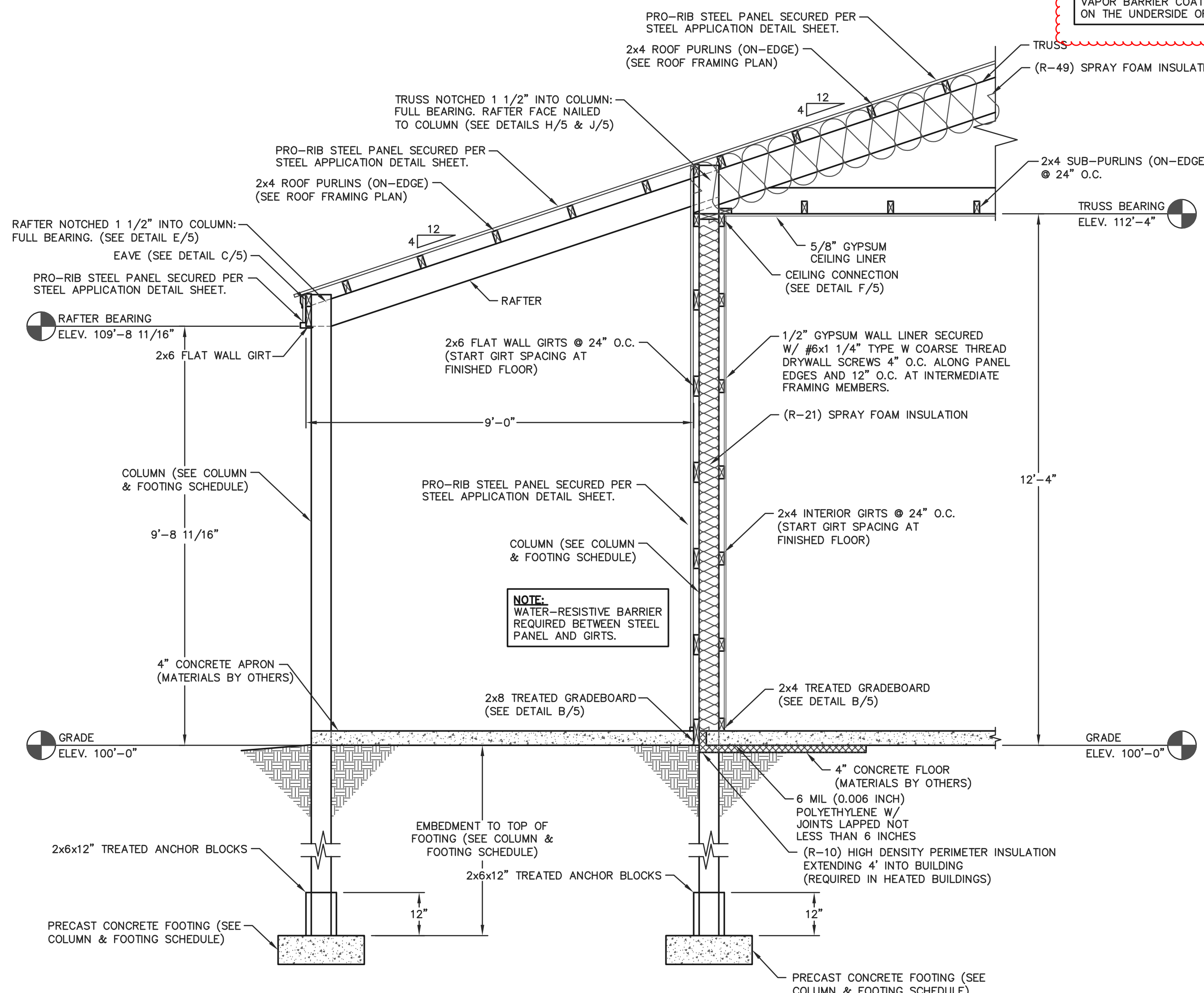
D EDGE PURLIN DETAIL
5 SCALE: 1"=1'-0"



C EAVE DETAIL @ LEAN-TO
5 SCALE: 1 1/2"=1'-0"



B GRADE DETAIL
5 SCALE: 1 1/2"=1'-0"



A SIDEWALL SECTION 9'-0" LEAN-TO
5 SCALE: 1/2"=1'-0"

NOTE: OWNER/CONTRACTOR TO APPLY CLASS 2 VAPOR BARRIER COATING OR COVERING ON THE UNDERSIDE OF ROOF INSULATION.

SIDEWALL SECTION FASTENER NOTES

WALL GIRTS:
WALL GIRTS SECURED WITH (2)-30d RINGSHANK NAILS AT EACH GIRT TO COLUMN LOCATION.

INTERIOR TREATED GRADEBOARD:
TREATED GRADEBOARD SECURED WITH (2)-30d RINGSHANK NAILS AT EACH GRADEBOARD TO COLUMN LOCATION.

EXTERIOR TREATED GRADEBOARD:
TREATED GRADEBOARD SECURED WITH (4)-30d RINGSHANK NAILS AT EACH GRADEBOARD TO COLUMN LOCATION.

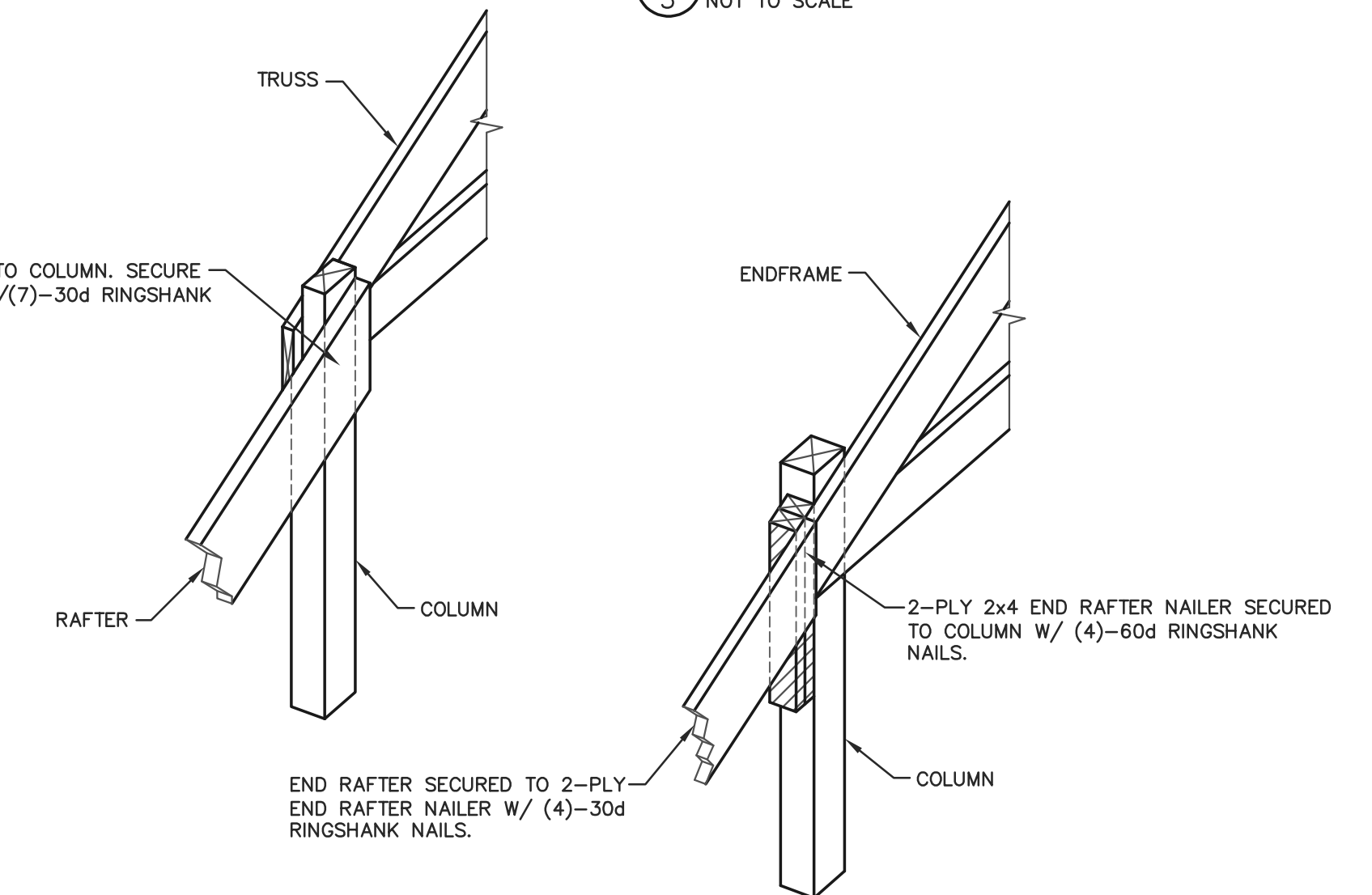
TREATED ANCHOR BLOCKS:
TREATED ANCHOR BLOCKS SECURED TO EACH FACE OF THE COLUMN AT THE BASE WITH (4)-30d RINGSHANK NAILS, EACH BLOCK.

NOTE: CONCEALED WALL SPACES SHALL HAVE FIRE BLOCKING AT CEILING AND FLOOR LEVELS AND HORIZONTAL INTERVALS NOT EXCEEDING 10' PER IBC 718.2. FIRE BLOCKING MAY CONSIST OF TWO INCH NOMINAL MATERIAL OR INSULATION MEETING IBC REQUIREMENTS.

NOTE: CONCEALED INSULATION SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 450.

NOTE: SPRAY FOAM INSULATION SHALL BE SEPARATED FROM THE INTERIOR OF A BUILDING BY AN APPROVED THERMAL BARRIER OF 1/2" GYPSUM WALLBOARD, HEAVY TIMBER IN ACCORDANCE WITH SECTION 602.4 OR A MATERIAL THAT IS A TESTED IN ACCORDANCE WITH AND MEETS CRITERIA FOR BOTH THE TEMPERATURE TRANSMISSION FIRE TEST AND THE INTEGRITY FIRE TEST OF NFPA 275.

NOTE: BATTING SHOWN FOR CLARITY.



J RAFTER INSTALLATION @ LEAN-TO (HIGH SIDE)
5 NOT TO SCALE



ENGINEERING SERVICES

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FOR QUESTIONS PLEASE CONTACT BUILDING DESIGNER AT THE FOLLOWING:
ENGINEERING@MMWESTMANUFACTURING.COM

PROJECT TITLE:

**WOUNDED WARRIOR
CANINES TRAINING
AND REHAB CENTER**

MARION, WI

PROF. ENGINEER: JEFF MURRAY

PLAN DESIGNER: CHOUA KHA

DRAWN BY: JMS

DATE: 6/17/2024

SCALE: AS NOTED

REVISIONS

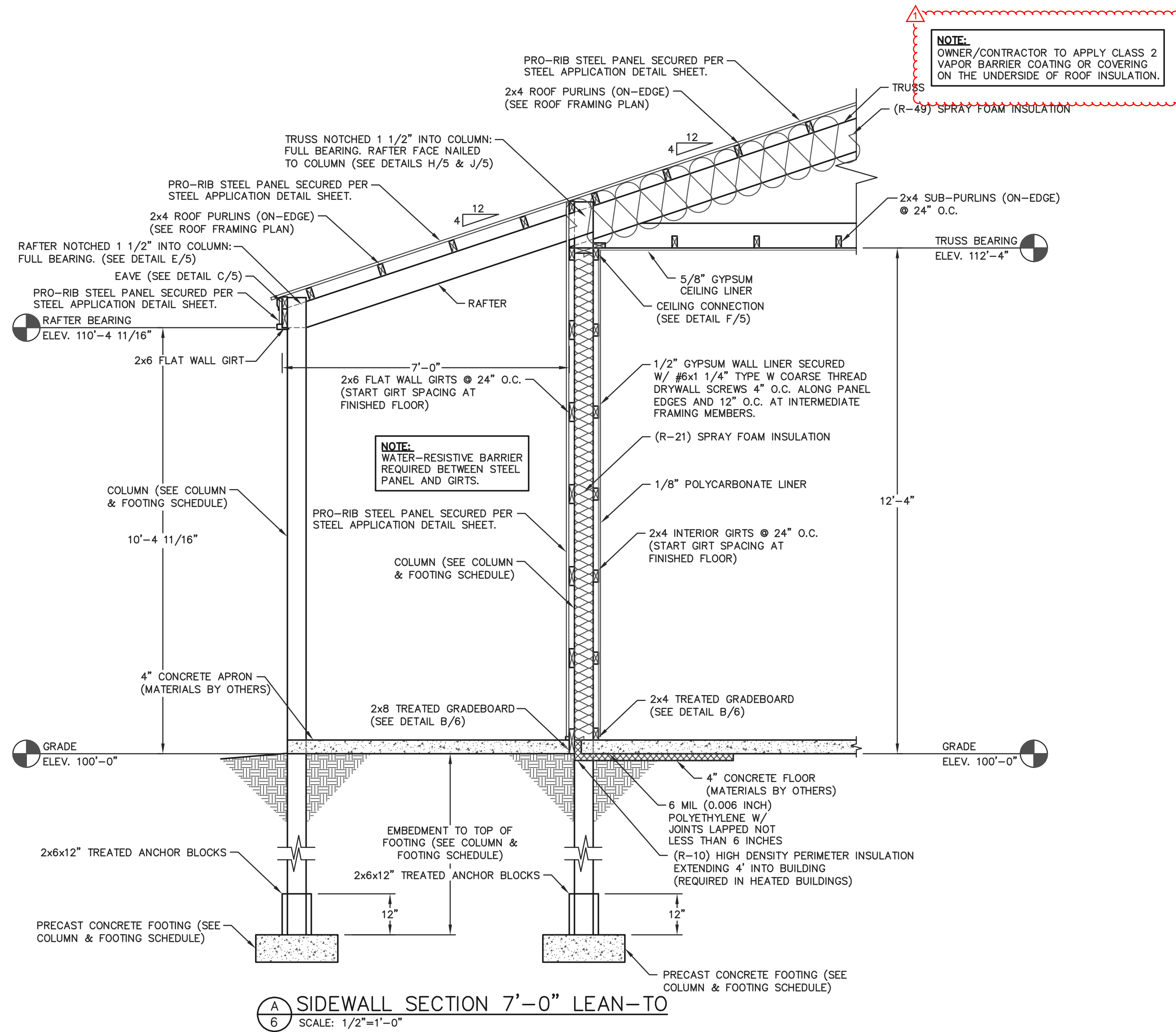
NO	DATE	DESCRIPTION	BY
1	6/17/2024	UNVENTED ATTIC REQUIREMENT	CK
2			

SHEET TITLE:
**SIDEWALL SECTION
@ 9' LEAN-TO
AND SECTION DETAILS**

FILE NAME: B10524WI

SHEET NO.

S5



A
6 SIDEWALL SECTION 7'-0" LEAN-TO
SCALE: 1/2"=1'-0"

SIDEWALL SECTION FASTENER NOTES

WALL GIRTS:
WALL GIRTS SECURED WITH (2)-30d RINGSHANK NAILS AT EACH GIRT TO COLUMN LOCATION.

INTERIOR TREATED GRADEBOARD:
TREATED GRADEBOARD SECURED WITH (2)-30d RINGSHANK NAILS AT EACH GRADEBOARD TO COLUMN LOCATION.

EXTERIOR TREATED GRADEBOARD:
TREATED GRADEBOARD SECURED WITH (4)-30d RINGSHANK NAILS AT EACH GRADEBOARD TO COLUMN LOCATION.

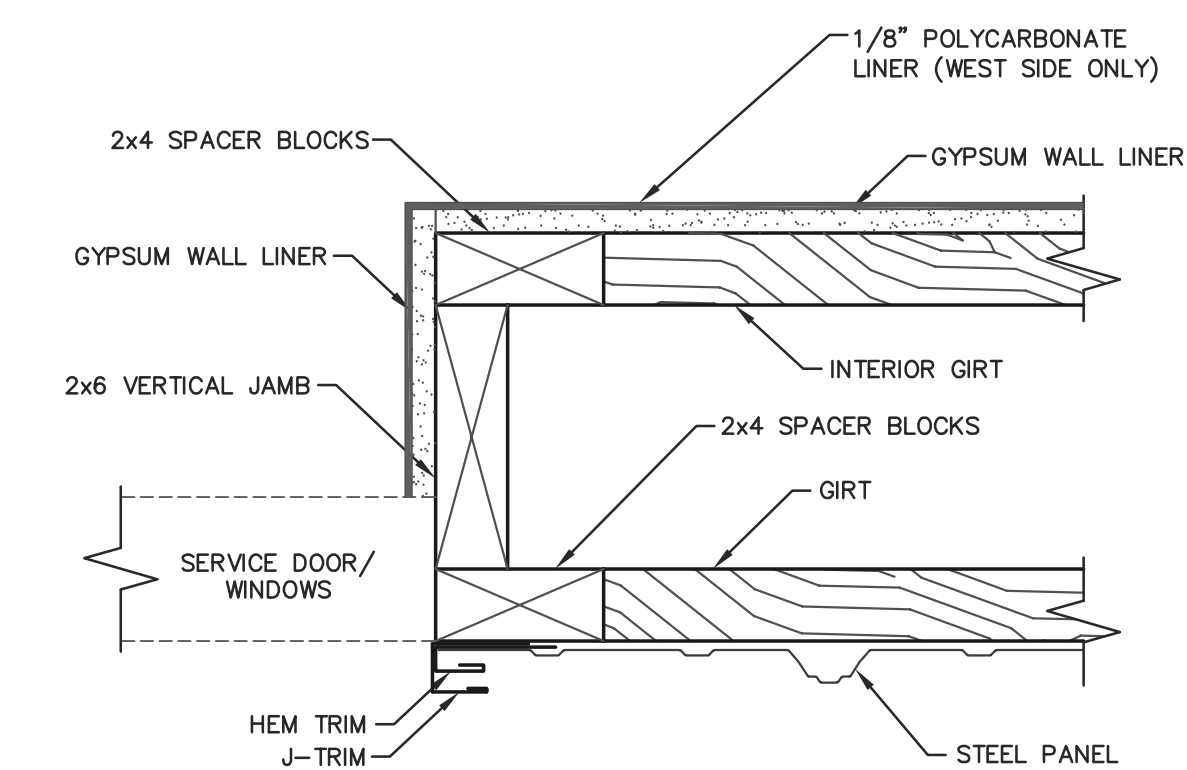
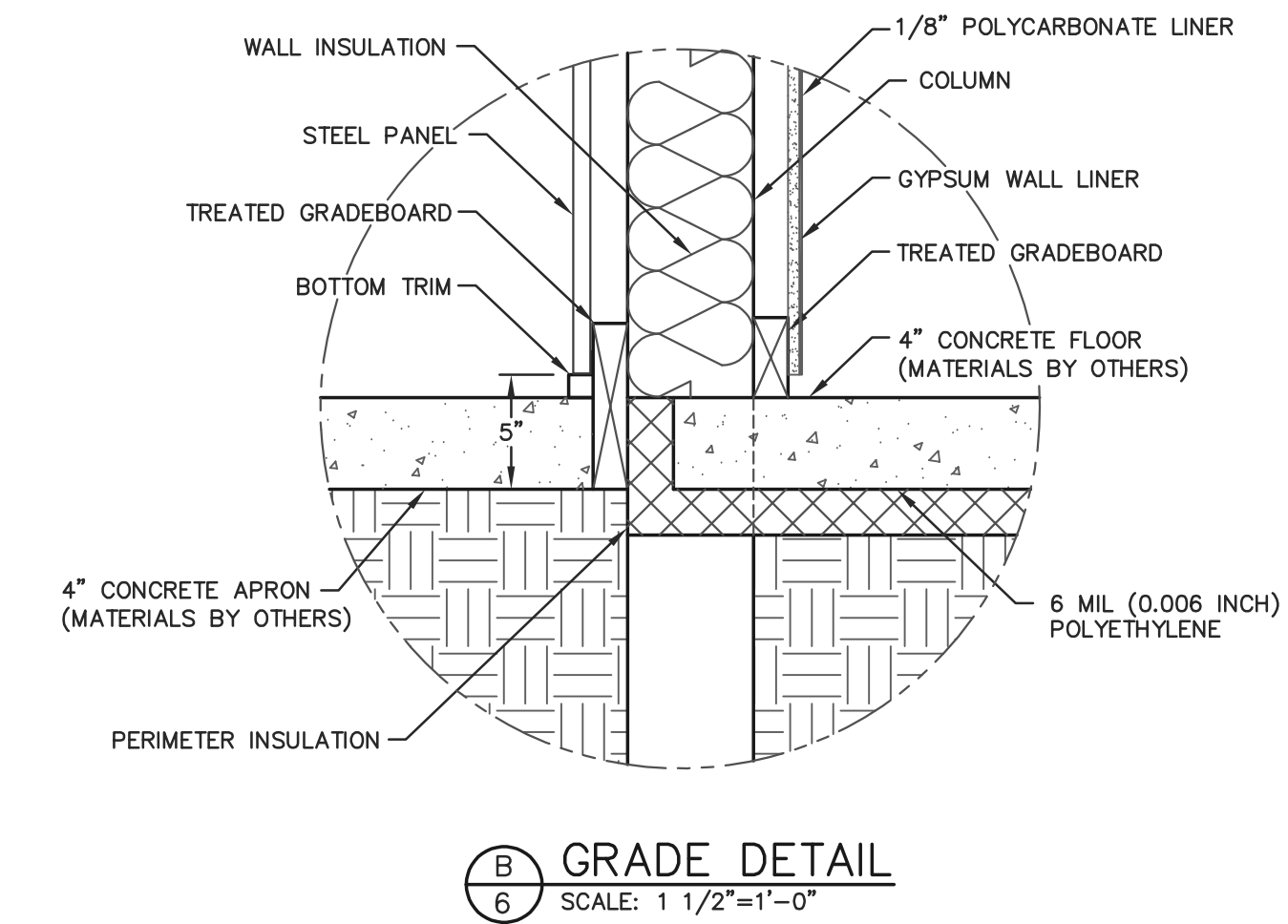
TREATED ANCHOR BLOCKS:
TREATED ANCHOR BLOCKS SECURED TO EACH FACE OF THE COLUMN AT THE BASE WITH (4)-30d RINGSHANK NAILS, EACH BLOCK.

NOTE:
CONCEALED WALL SPACES SHALL HAVE FIRE BLOCKING AT CEILING AND FLOOR LEVELS AND HORIZONTAL INTERVALS NOT EXCEEDING 10' PER IBC 718.2. FIRE BLOCKING MAY CONSIST OF TWO INCH NOMINAL MATERIAL OR INSULATION MEETING IBC REQUIREMENTS.

NOTE:
CONCEALED INSULATION SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 450.

NOTE:
SPRAY FOAM INSULATION SHALL BE SEPARATED FROM THE INTERIOR OF A BUILDING BY AN APPROVED THERMAL BARRIER OF 1/2" GYPSUM WALLBOARD, HEAVY TIMBER IN ACCORDANCE WITH SECTION 602.4 OR A MATERIAL THAT IS TESTED IN ACCORDANCE WITH AND MEETS CRITERIA FOR BOTH THE TEMPERATURE TRANSMISSION FIRE TEST AND THE INTEGRITY FIRE TEST OF NFPA 275.

NOTE:
BATTING SHOWN FOR CLARITY.



SERVICE DOOR/WINDOW JAMB DETAIL
SCALE: 3"=1'-0"



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AND REHAB CENTER**

MARION, WI

PROF. ENGINEER: JEFF MURRAY

PLAN DESIGNER: CHOUA KHA

DRAWN BY: JMS

DATE: 6/17/2024

SCALE: AS NOTED

REVISIONS

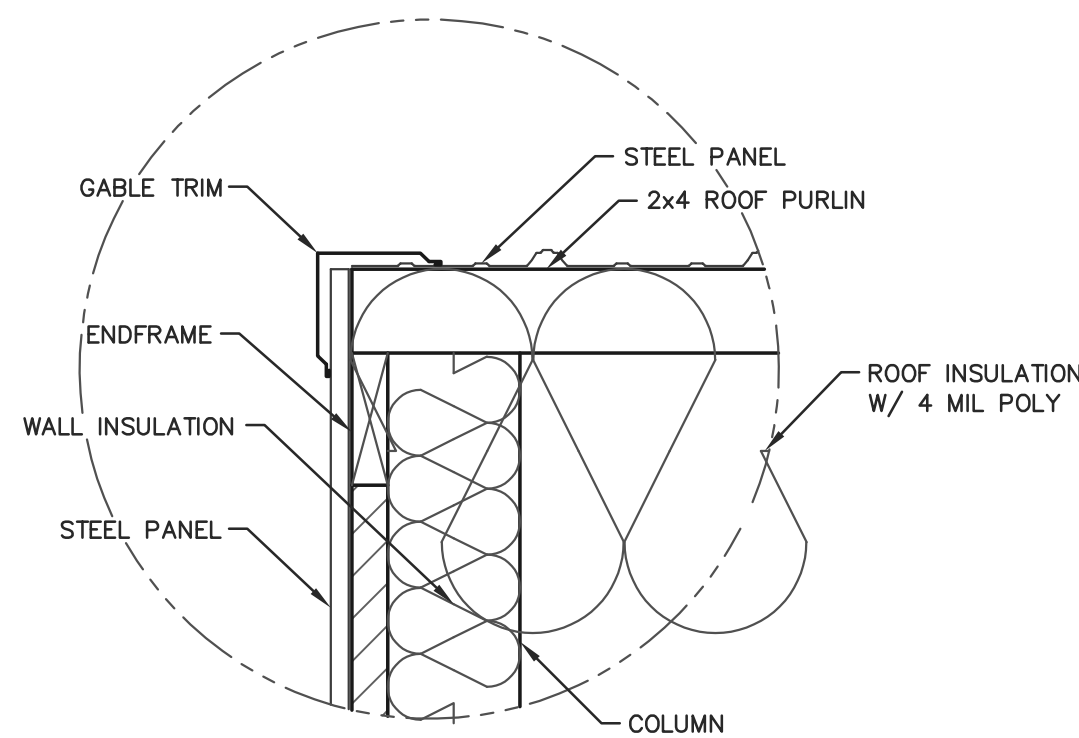
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2			

SHEET TITLE:
SIDEWALL SECTION
@ 7' LEAN-TO
AND SECTION DETAILS

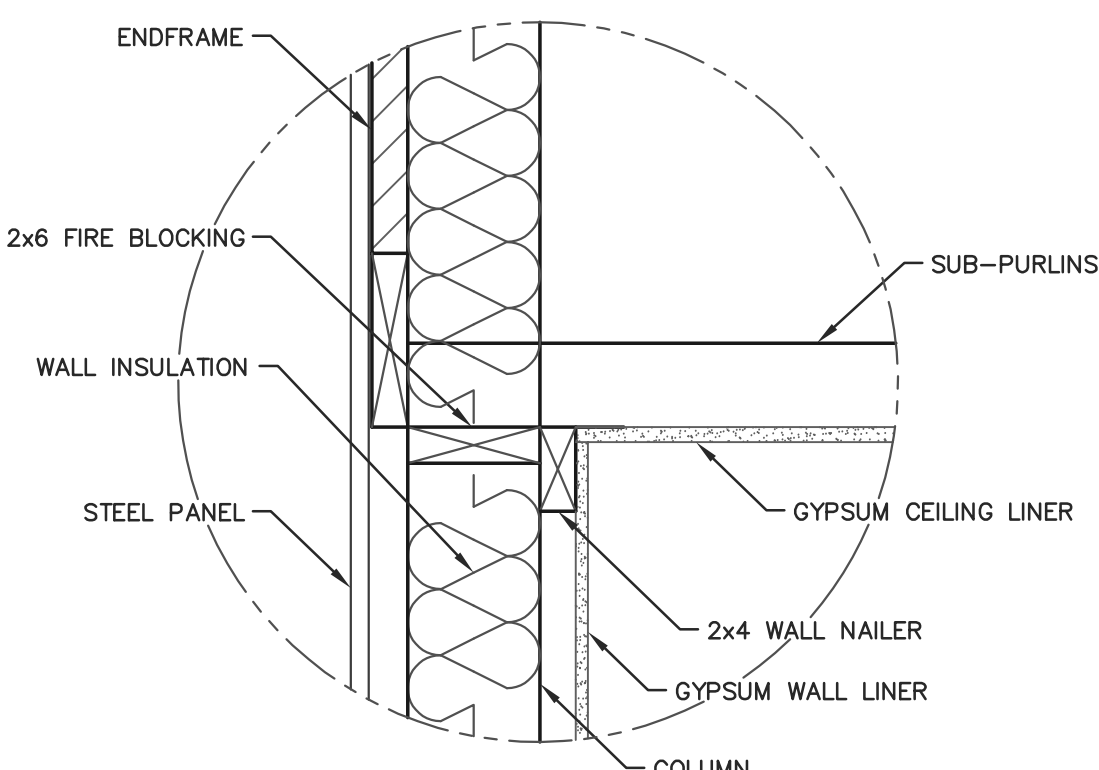
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SHEET NO.

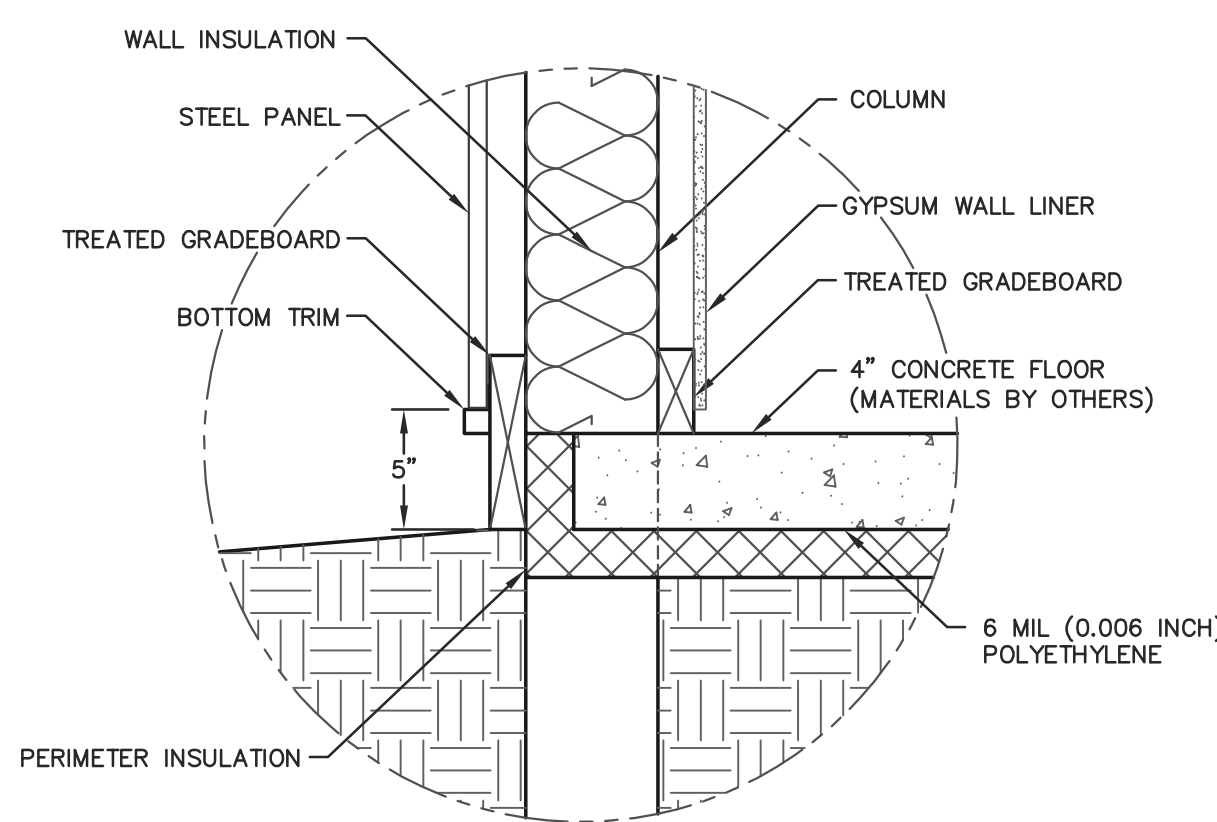
S6



D GABLE TRIM DETAIL
SCALE: 1 1/2"=1'-0"



C CEILING CONNECTION DETAIL
SCALE: 1 1/2"=1'-0"



B GRADE DETAIL
SCALE: 1 1/2"=1'-0"

SIDEWALL SECTION FASTENER NOTES

WALL GIRTS:
WALL GIRTS SECURED WITH (2)-30d RINGSHANK NAILS AT EACH GIRT TO COLUMN LOCATION.

INTERIOR TREATED GRADEBOARD:
TREATED GRADEBOARD SECURED WITH (2)-30d RINGSHANK NAILS AT EACH GRADEBOARD TO COLUMN LOCATION.

EXTERIOR TREATED GRADEBOARD:
TREATED GRADEBOARD SECURED WITH (4)-30d RINGSHANK NAILS AT EACH GRADEBOARD TO COLUMN LOCATION.

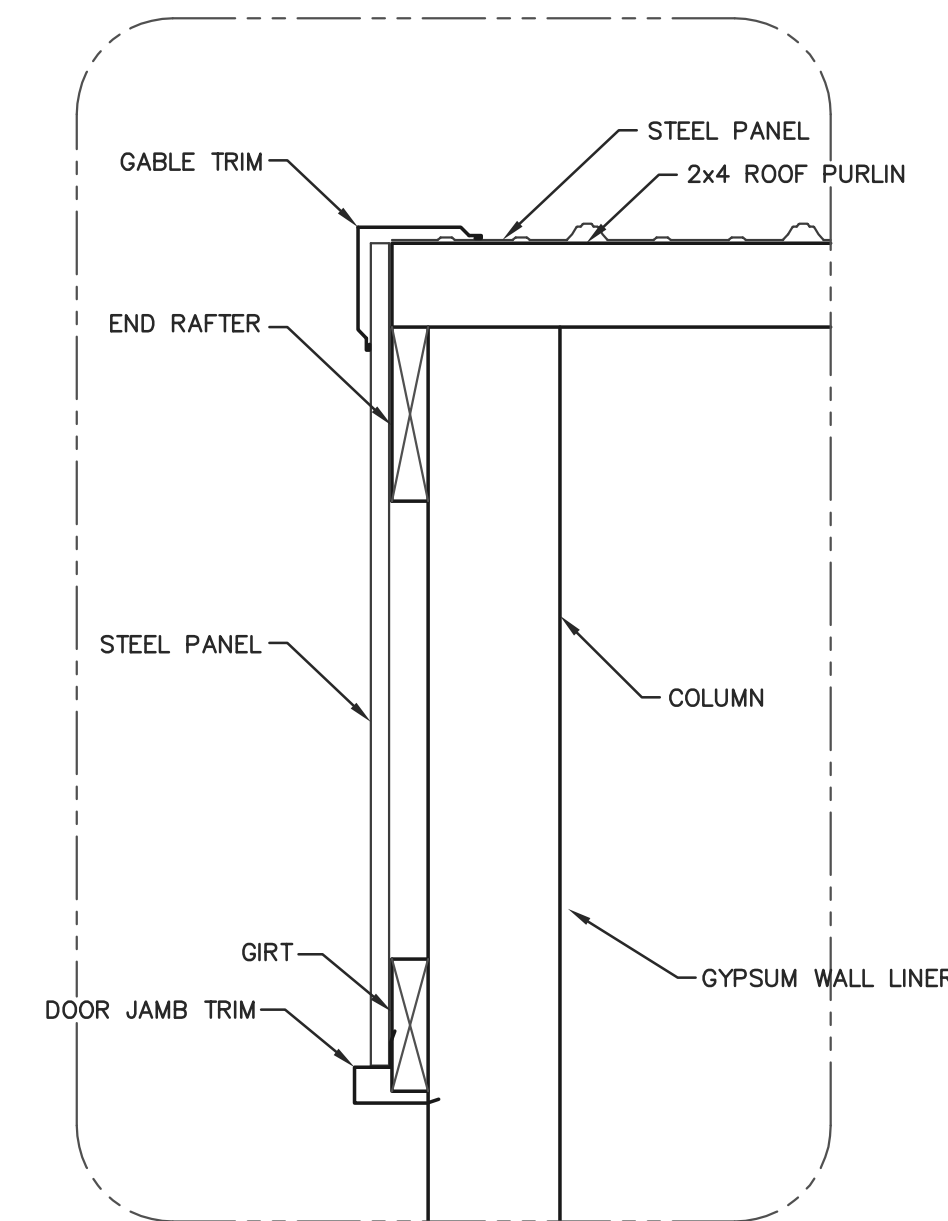
TREATED ANCHOR BLOCKS:
TREATED ANCHOR BLOCKS SECURED TO EACH FACE OF THE COLUMN AT THE BASE WITH (4)-30d RINGSHANK NAILS, EACH BLOCK.

NOTE:
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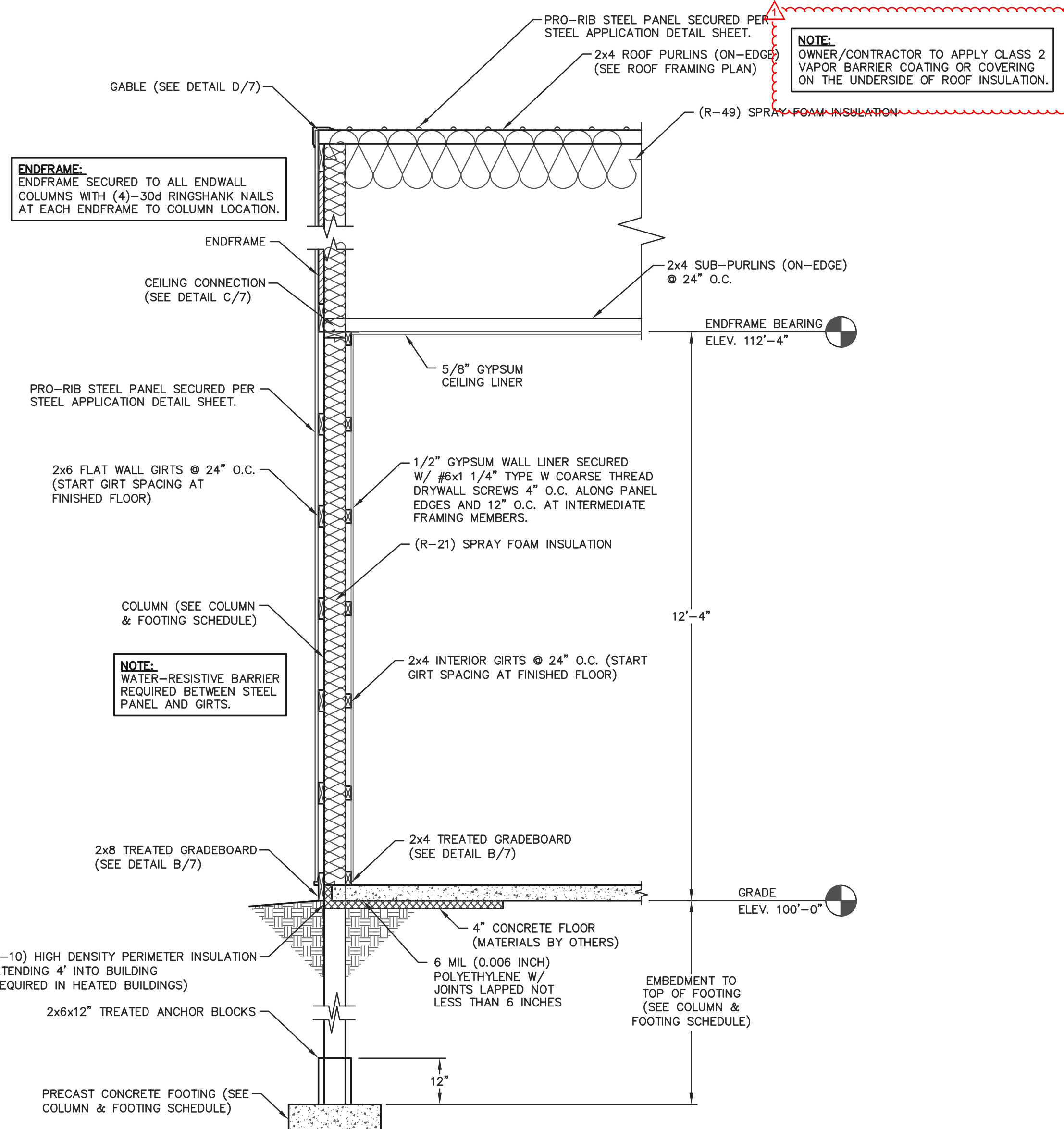
NOTE:
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NOTE:
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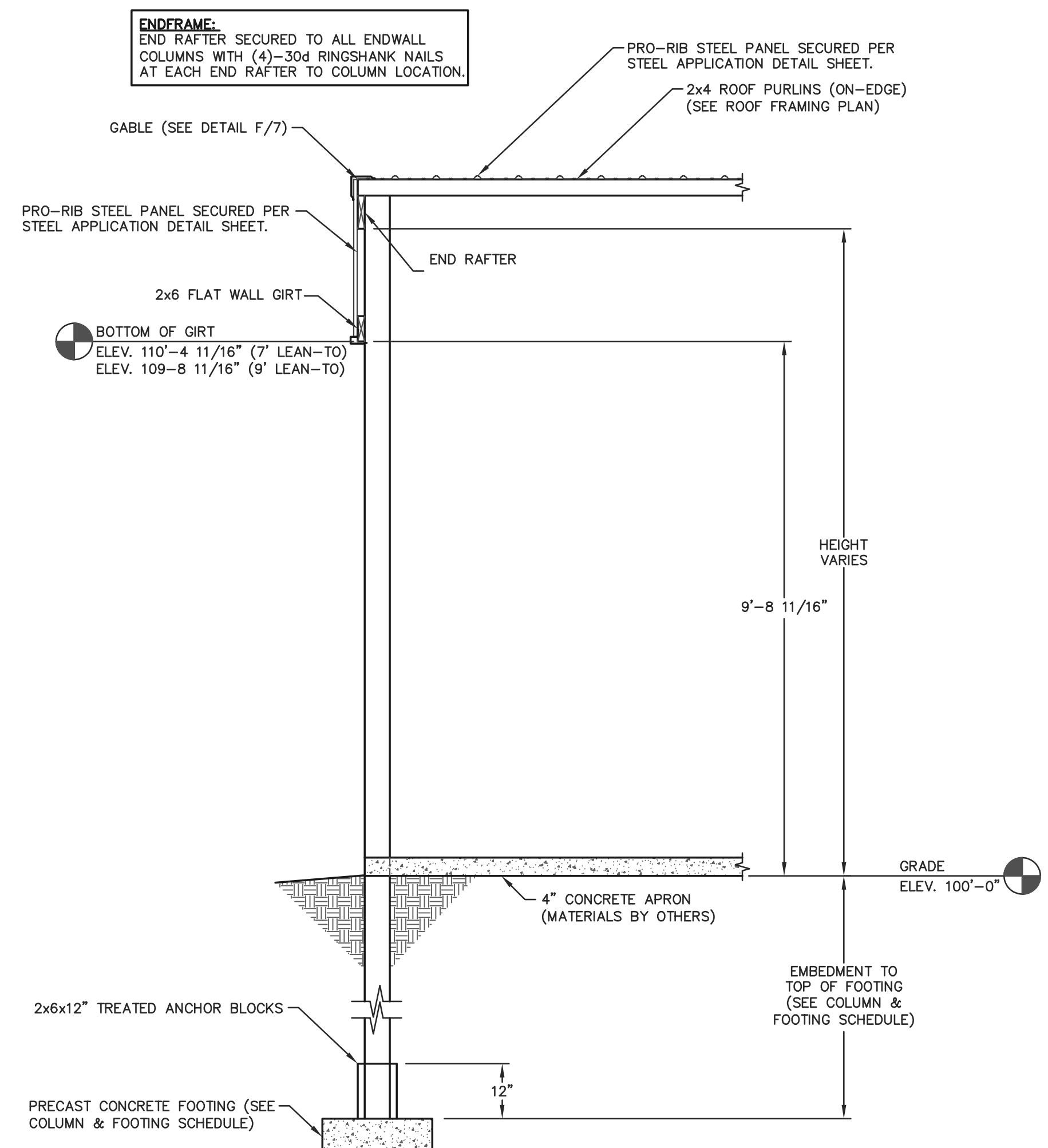
NOTE:
BATTING SHOWN FOR CLARITY.



F GABLE TRIM DETAIL @ LEAN-TO
SCALE: 1 1/2"=1'-0"



A ENDWALL SECTION
SCALE: 1/2"=1'-0"



E ENDWALL SECTION
SCALE: 1/2"=1'-0"

NOTE:
OWNER/CONTRACTOR TO APPLY CLASS 2 VAPOR BARRIER COATING OR COVERING ON THE UNDERSIDE OF ROOF INSULATION.

ENDFRAME:
END RAFTER SECURED TO ALL ENDWALL COLUMNS WITH (4)-30d RINGSHANK NAILS AT EACH END RAFTER TO COLUMN LOCATION.

ENDFRAME:
ENDFRAME SECURED TO ALL ENDWALL COLUMNS WITH (4)-30d RINGSHANK NAILS AT EACH ENDFRAME TO COLUMN LOCATION.

NOTE:
WATER-RESISTIVE BARRIER REQUIRED BETWEEN STEEL PANEL AND GIRTS.

MM
ENGINEERING SERVICES
5311 KANE RD. KAU CLAIRE, WI 54703 (715) 876-6556

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PROJECT TITLE:
WOUNDED WARRIOR CANINES TRAINING AND REHAB CENTER
MARION, WI

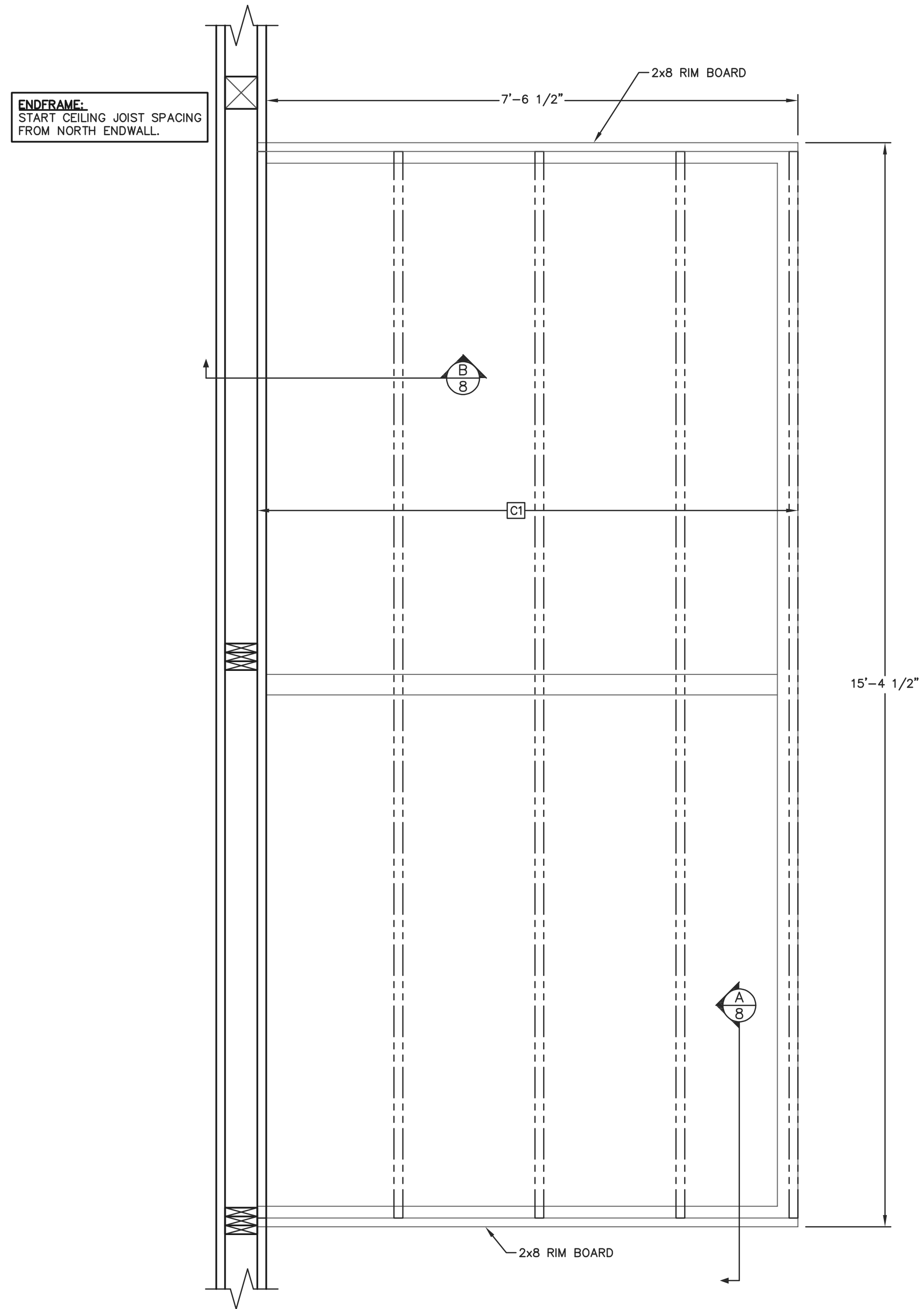
PROF. ENGINEER: JEFF MURRAY
PLAN DESIGNER: CHOUA KHA
DRAWN BY: JMS
DATE: 6/17/2024
SCALE: AS NOTED

REVISIONS			
NO	DATE	DESCRIPTION	BY
1	6/17/2024	UNVENTED ATTIC REQUIREMENT	CK
2			

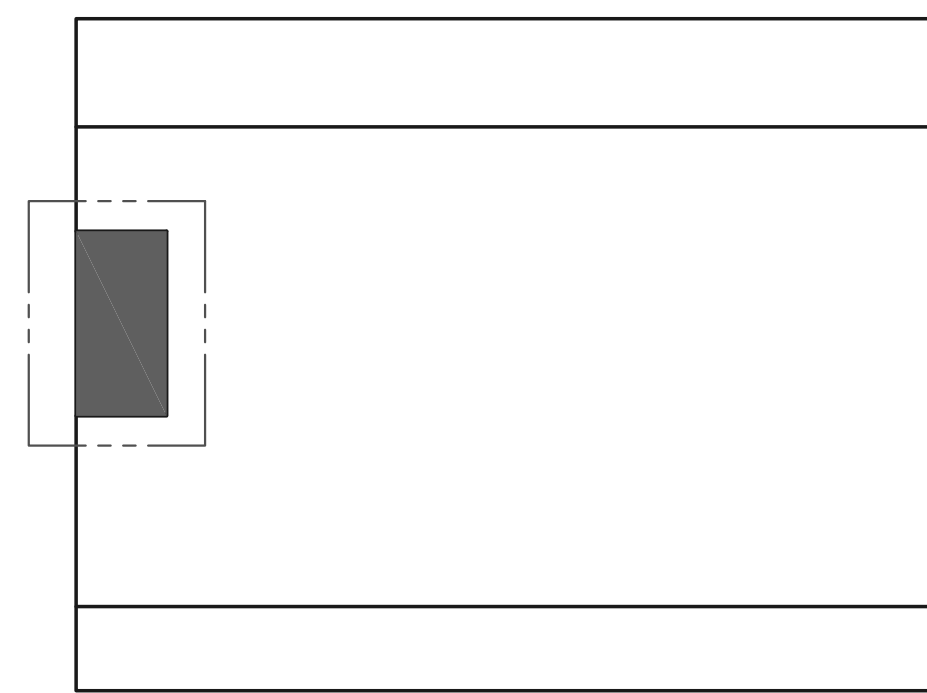
SHEET TITLE:
ENDWALL SECTIONS AND SECTION DETAILS

FILE NAME: B10524WI
SHEET NO. **S7**

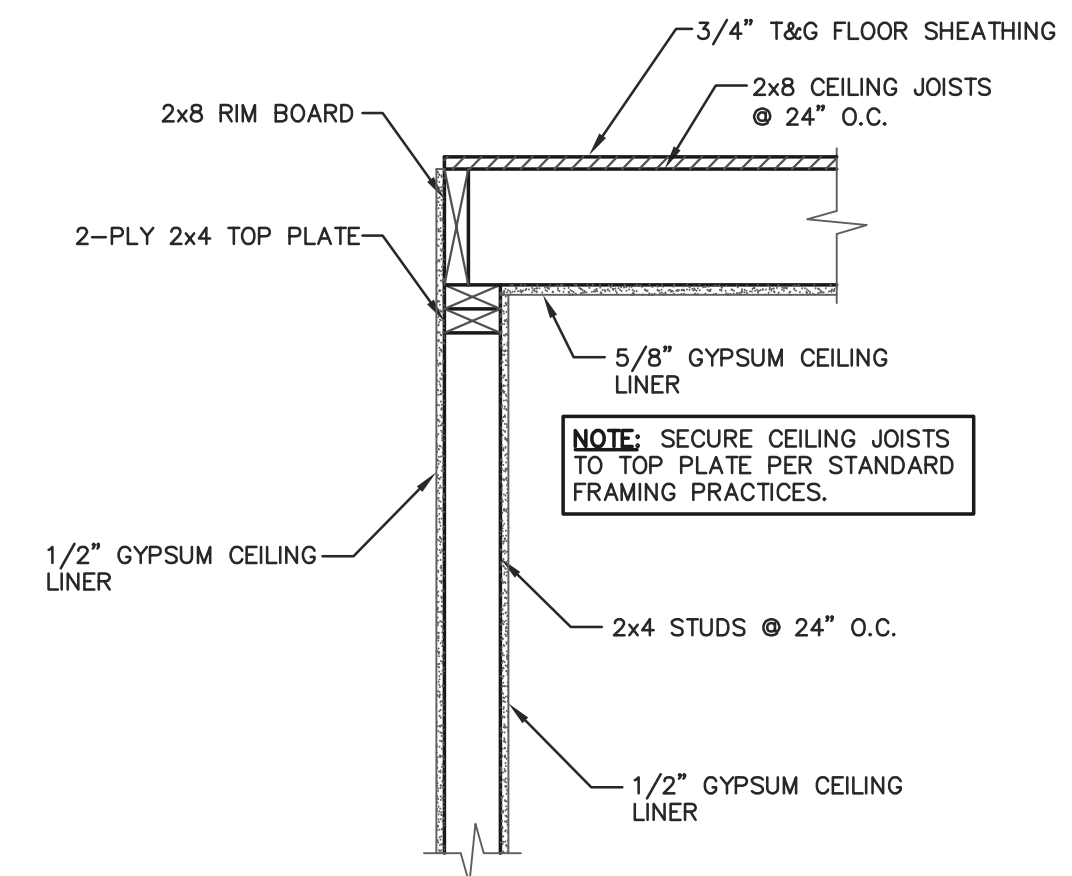
CEILING JOIST SCHEDULE			
CEILING JOIST LOCATION	CEILING JOIST DESCRIPTION	SPACING	REFERENCE DETAIL(S)
C1	15-01-08 2x8 CEILING JOIST	24"	A/B & B/B



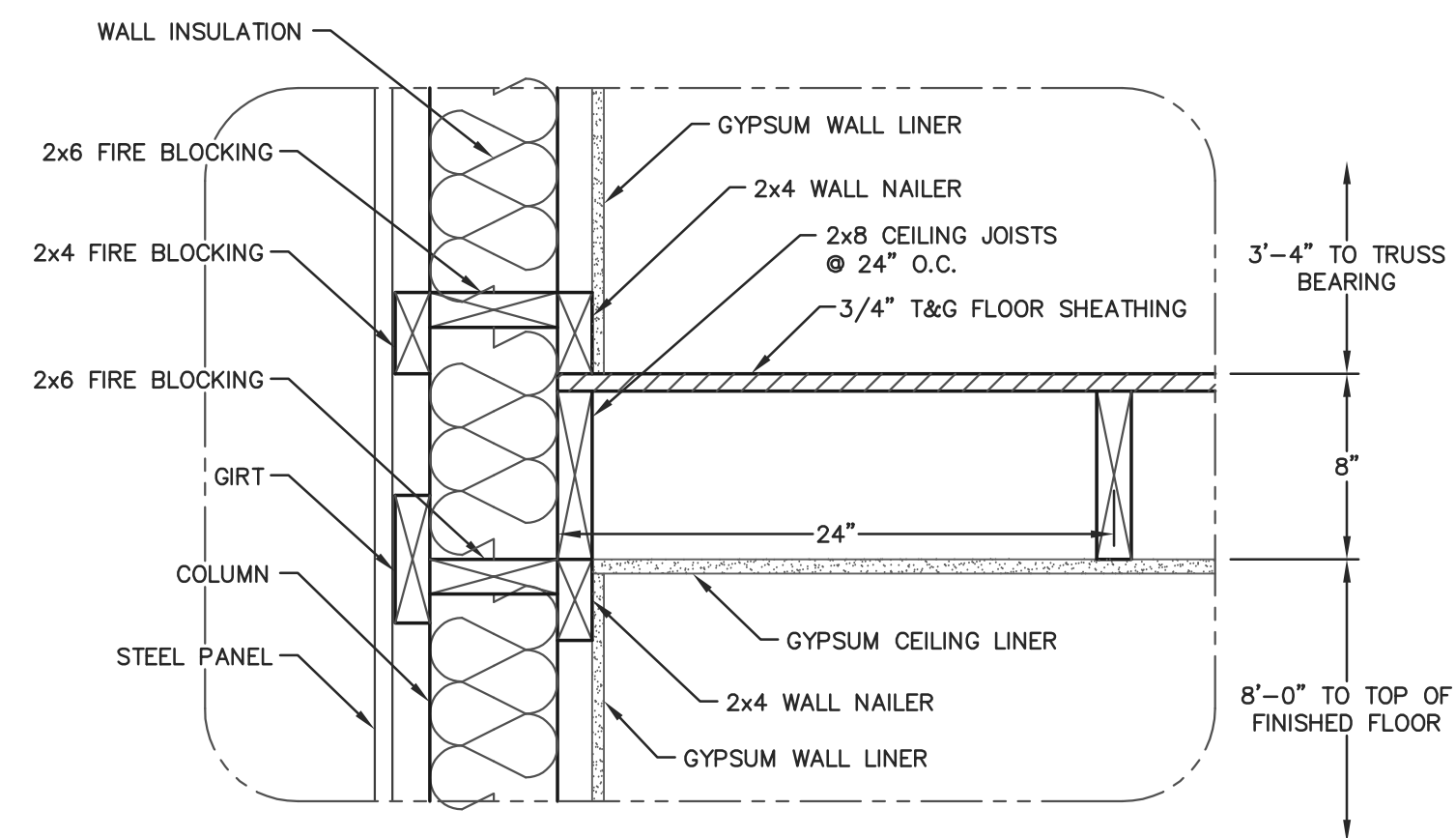
ELEVATED PLATFORM FRAMING PLAN
SCALE: 3/4"=1'-0"



BUILDING KEY PLAN
NOT TO SCALE



CEILING JOIST @ STUD WALL DETAIL
SCALE: 1"=1'-0"



CEILING CONNECTION @ ENDWALL DETAIL
SCALE: 1 1/2"=1'-0"



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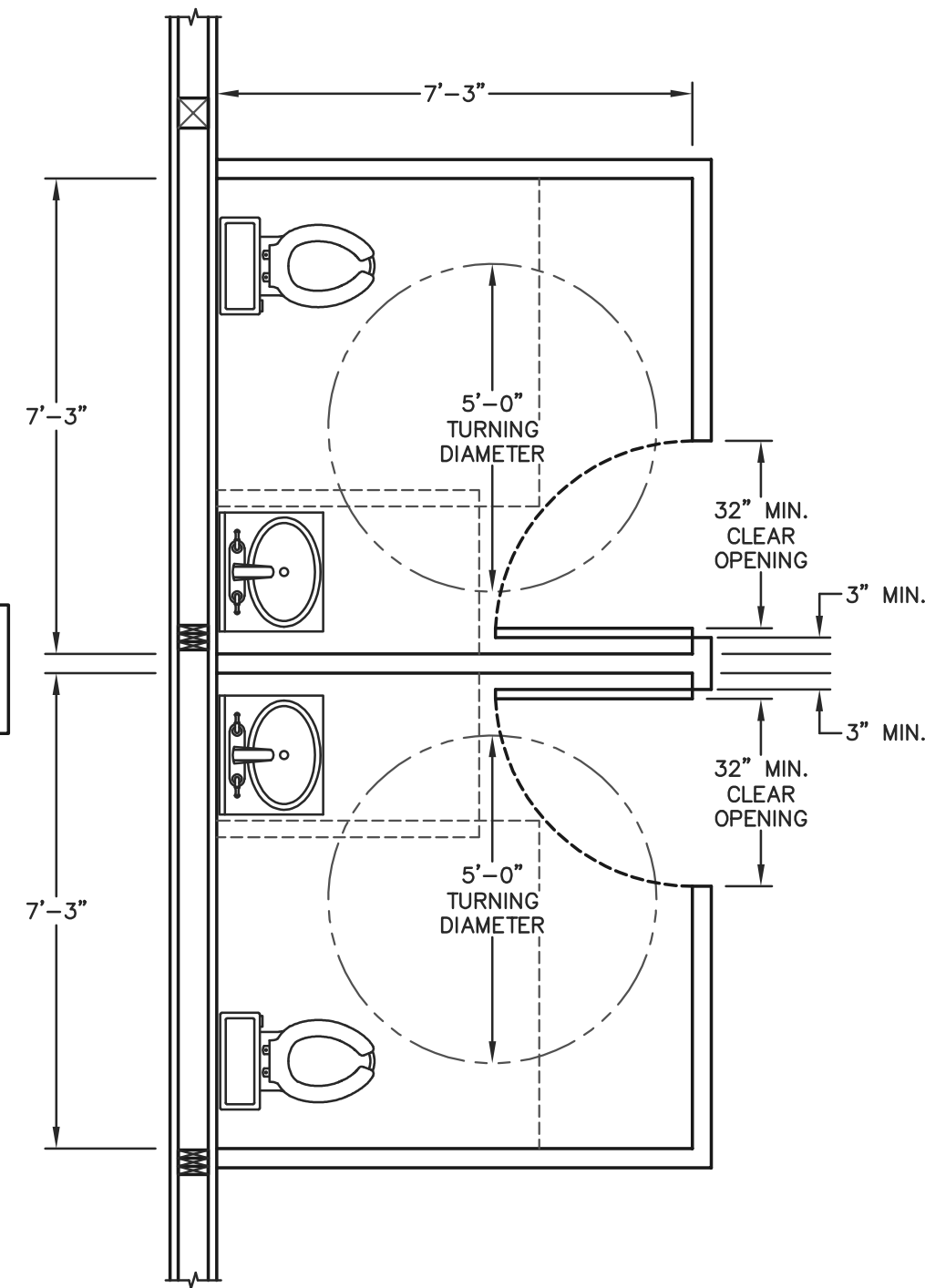
PROF. ENGINEER: JEFF MURRAY
PLAN DESIGNER: CHOUA KHA
DRAWN BY: JMS
DATE: 6/17/2024
SCALE: AS NOTED

REVISIONS		
NO	DATE	DESCRIPTION
1		
2		

SHEET TITLE:
ELEVATED PLATFORM
FRAMING PLAN
AND DETAILS

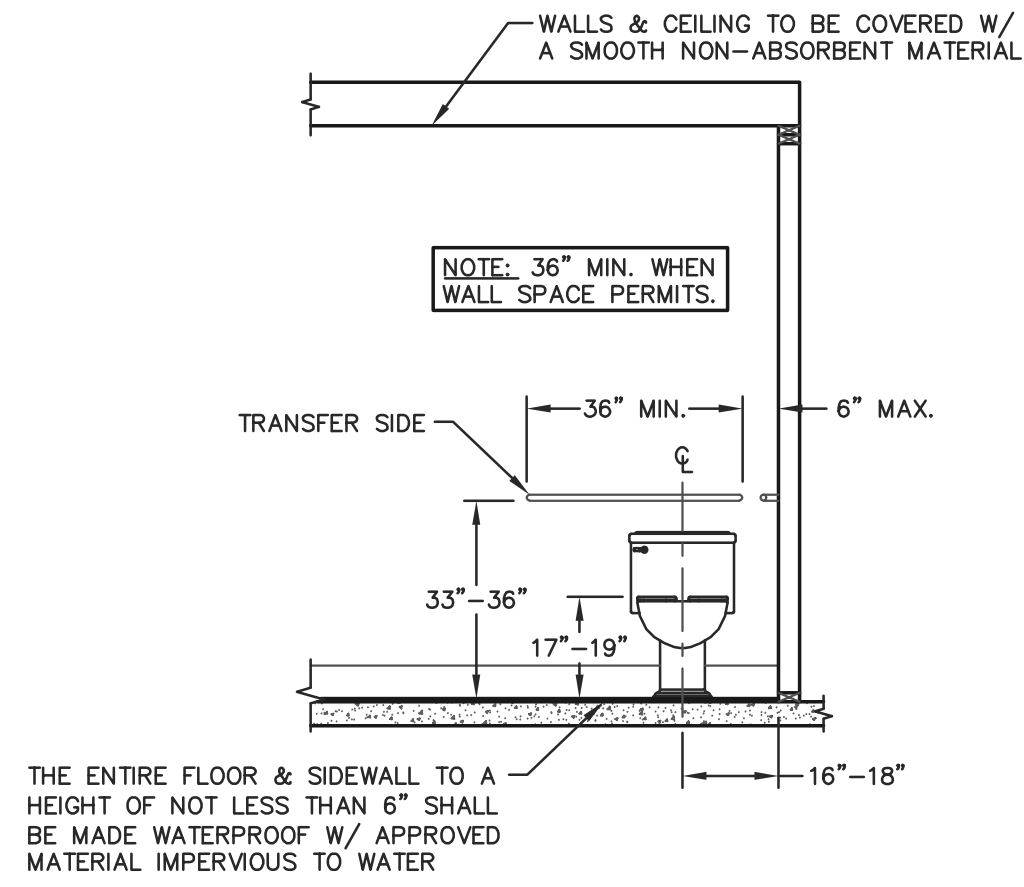
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SHEET NO.

S8

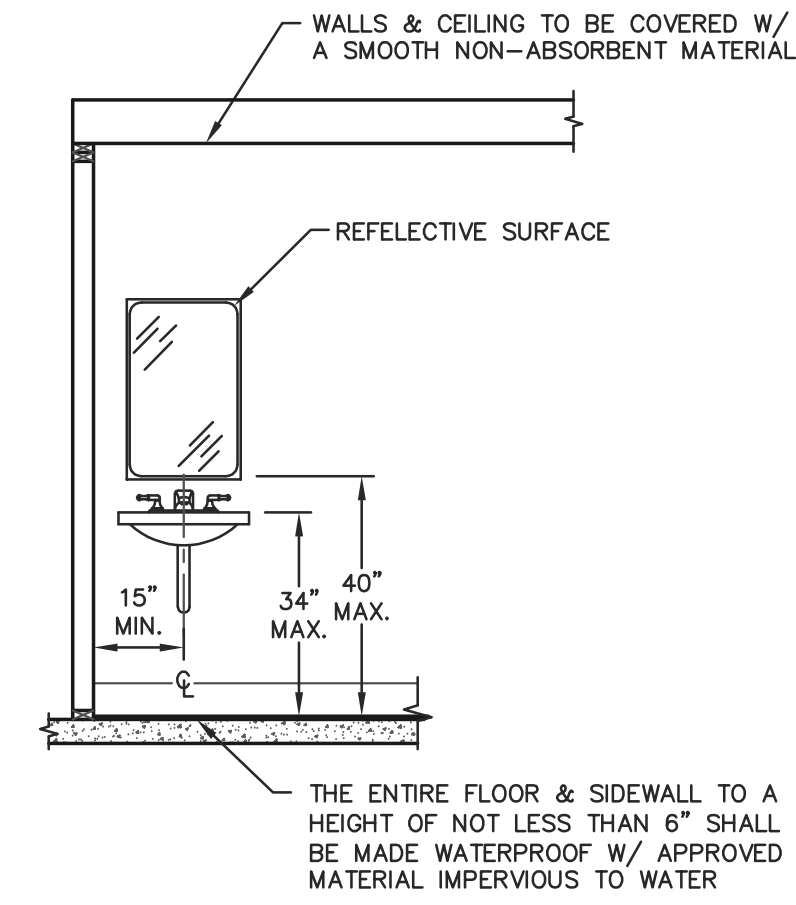


RESTROOM FLOOR PLAN
SCALE: 3/8"=1'-0"

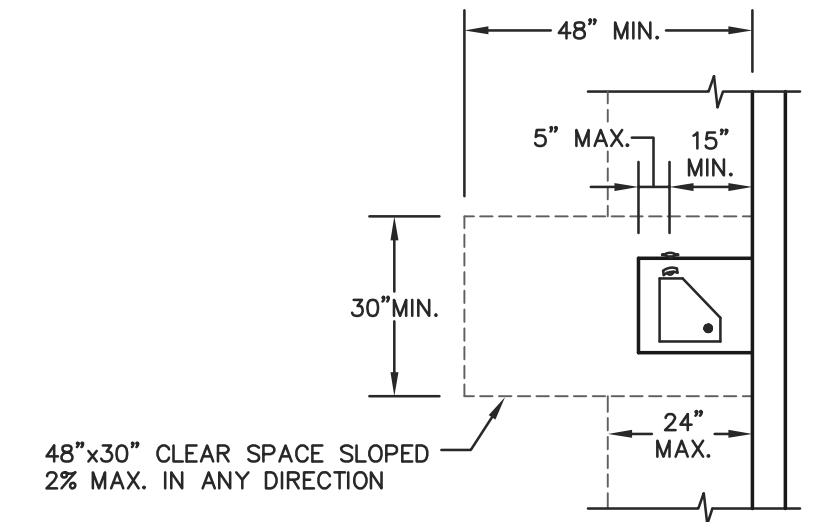
CLEAR FLOOR SPACE @ FIXTURES:
60"x59" AT FLOOR MOUNTED WATER CLOSETS
60"x56" AT WALL MOUNTED WATER CLOSET
30"x48" AT LAVATORY



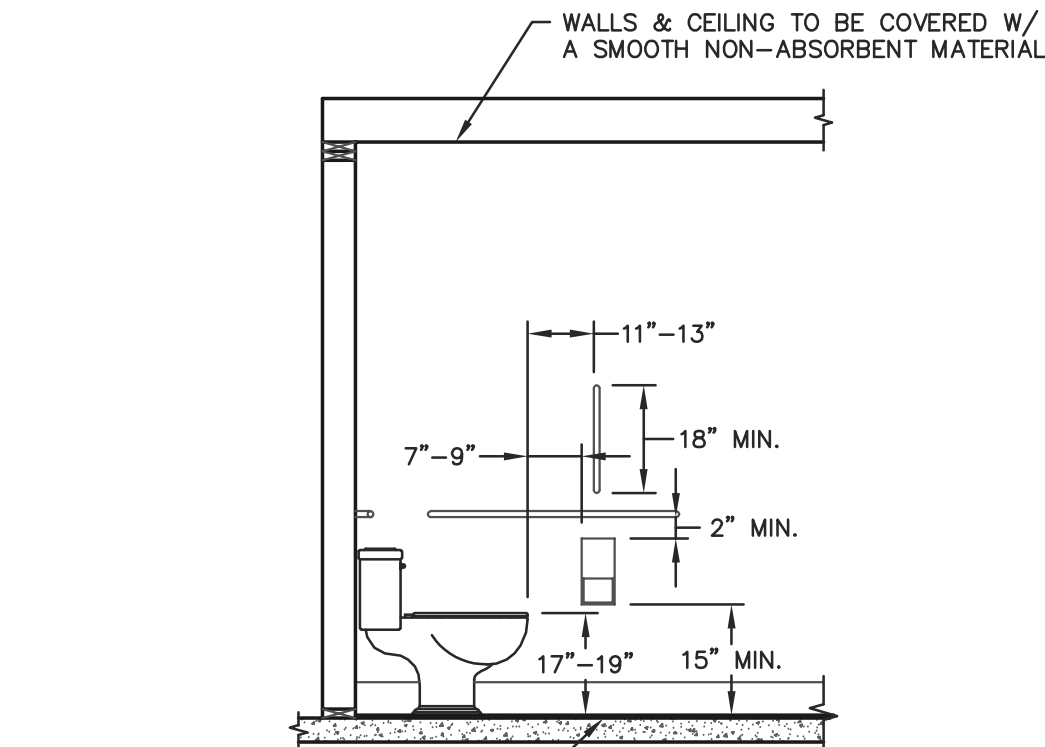
FRONT TOILET ELEVATION
SCALE: 3/8"=1'-0"



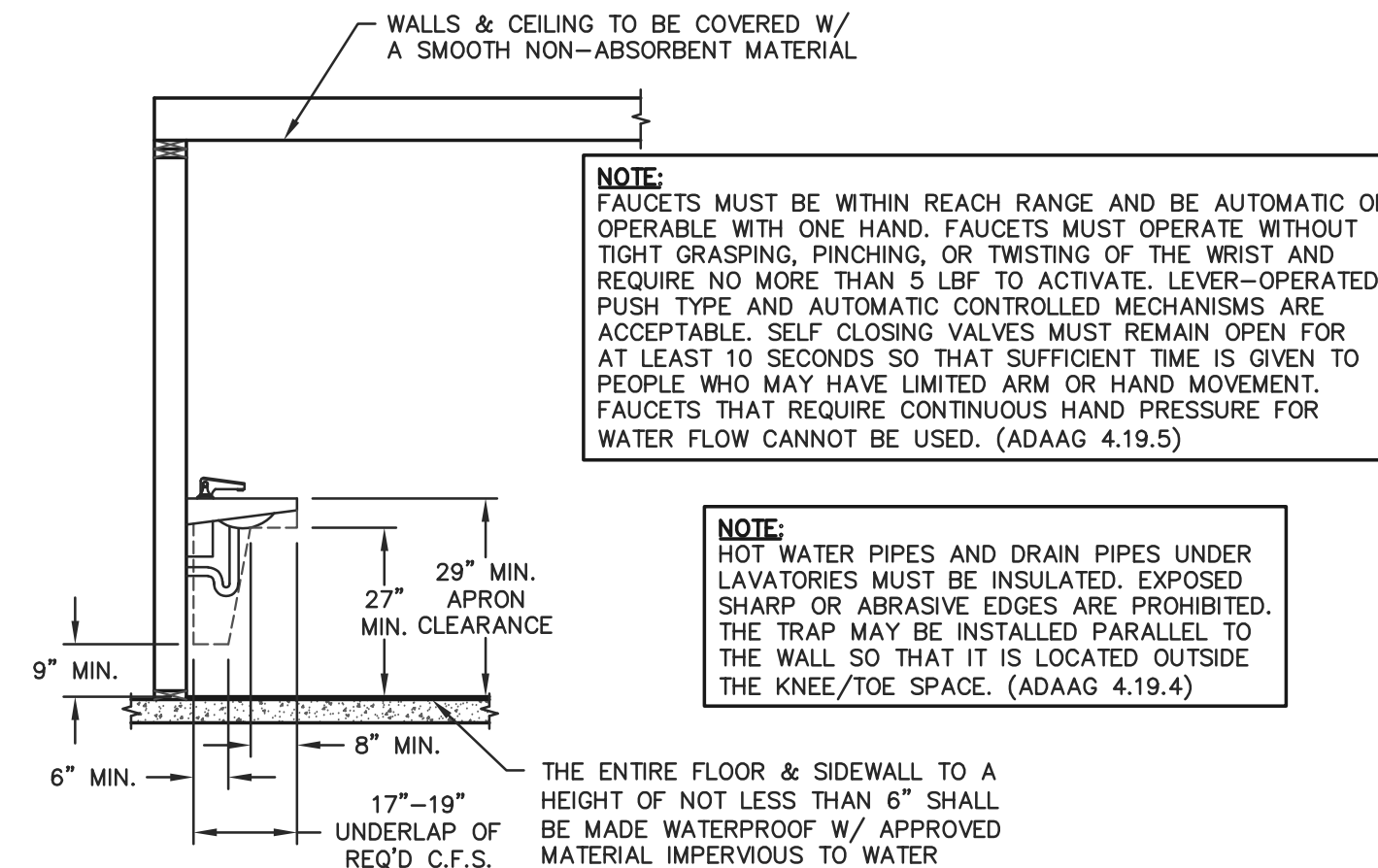
FRONT SINK ELEVATION
SCALE: 3/8"=1'-0"



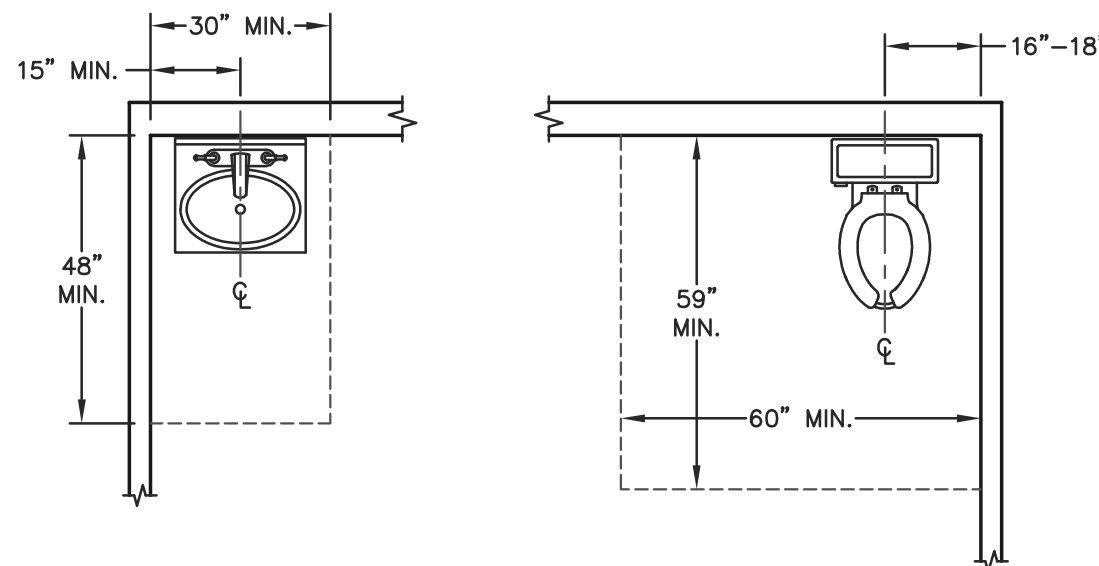
DRINKING FOUNTAIN FLOOR PLAN
SCALE: 3/8"=1'-0"



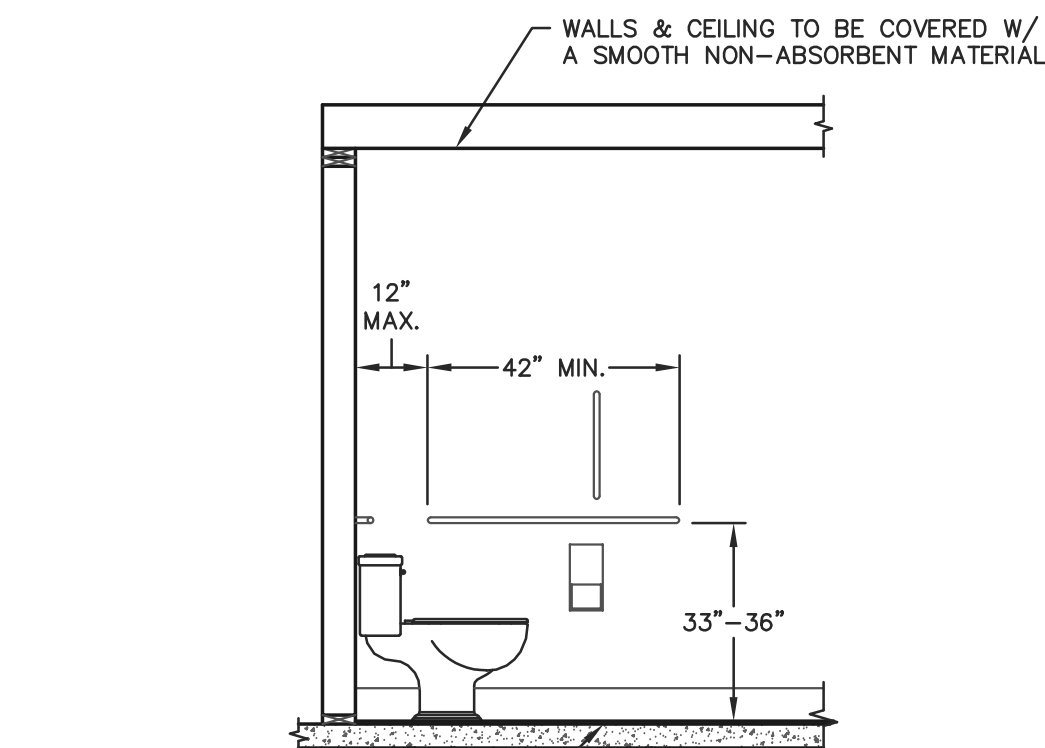
SIDE TOILET ELEVATION
SCALE: 3/8"=1'-0"



SIDE SINK ELEVATION
SCALE: 3/8"=1'-0"

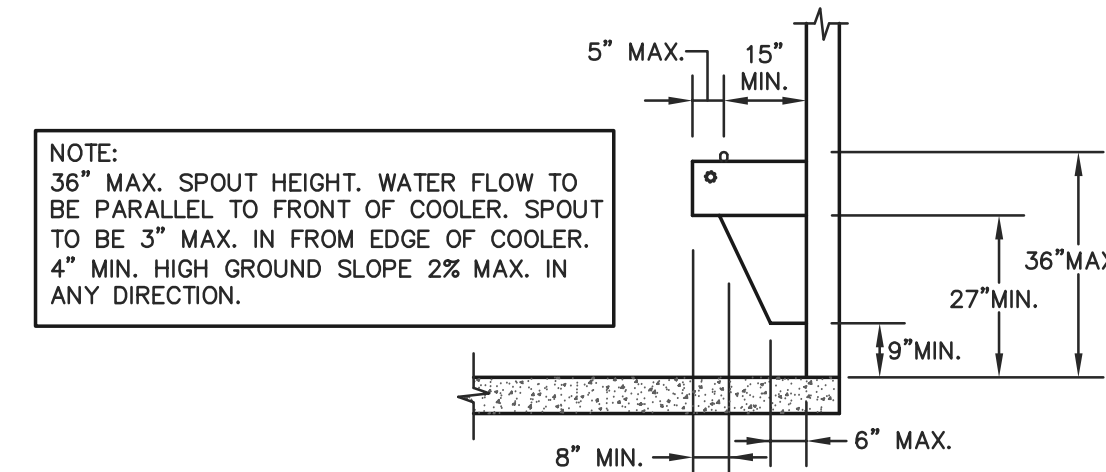


CLEAR SPACE REQUIREMENTS
SCALE: 3/8"=1'-0"

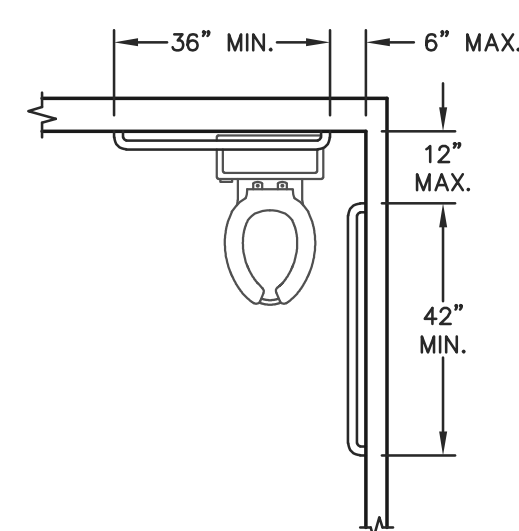


SIDE TOILET ELEVATION
SCALE: 3/8"=1'-0"

NOTE:
PER IBC 1109.5, 2 DRINKING FOUNTAINS SHALL BE PROVIDED WITHIN THE BUILDING, ONE LOW FOUNTAIN WITH MAXIMUM SPOUT HEIGHT OF 36" FOR A PERSON IN A WHEELCHAIR AND ONE HIGH FOUNTAIN WITH SPOUT HEIGHT BETWEEN 38" AND 43" FOR A STANDING PERSON. OTHERWISE A SINGLE DRINKING FOUNTAIN SUCH AS A WATER COOLER THAT IS ACCESSIBLE TO BOTH A PERSON IN A WHEELCHAIR AND A STANDING PERSON MAY BE SUBSTITUTED FOR THE HIGH AND LOW FOUNTAINS.



DRINKING FOUNTAIN SIDE ELEV.



GRAB BAR LOCATIONS
SCALE: 3/8"=1'-0"



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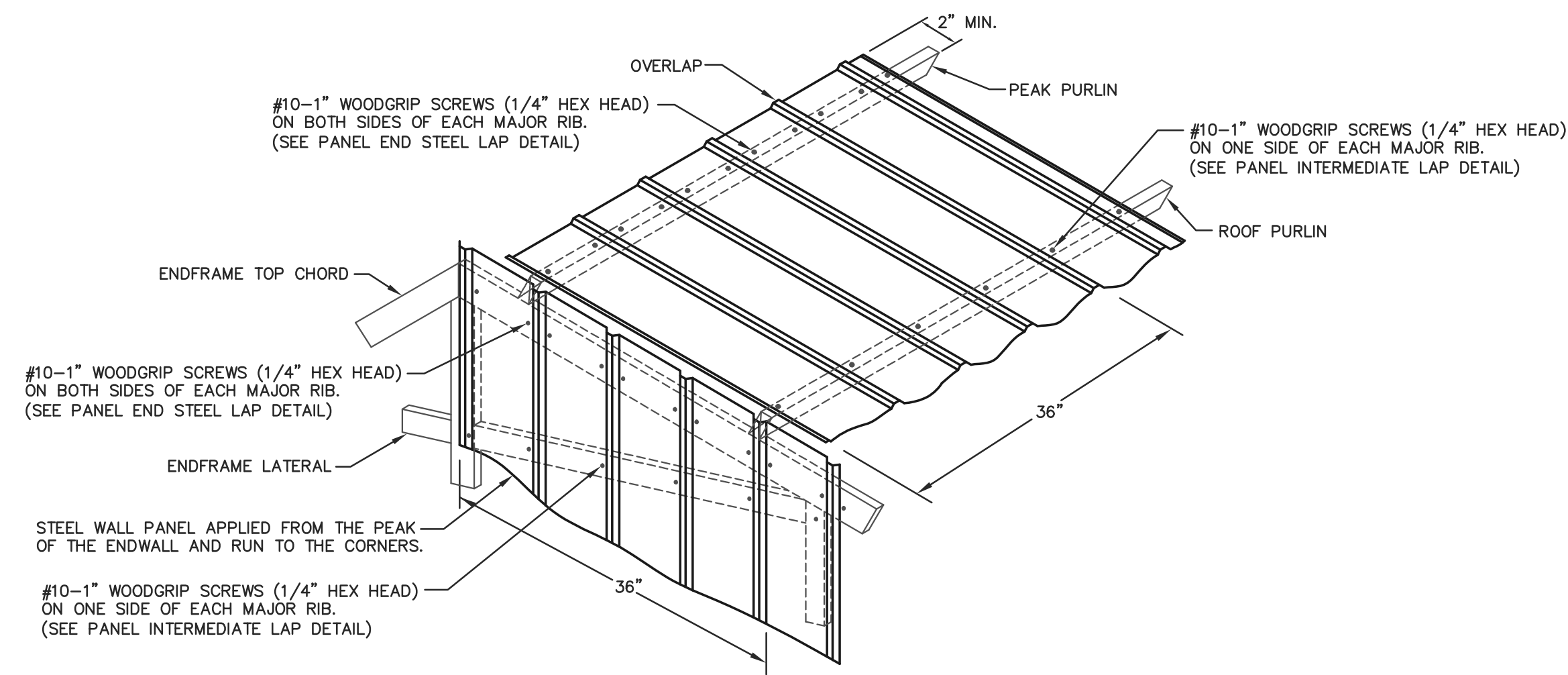
PROF. ENGINEER: JEFF MURRAY
PLAN DESIGNER: CHOUA KHA
DRAWN BY: JMS
DATE: 6/17/2024
SCALE: AS NOTED

REVISIONS		
NO	DATE	DESCRIPTION
1		
2		

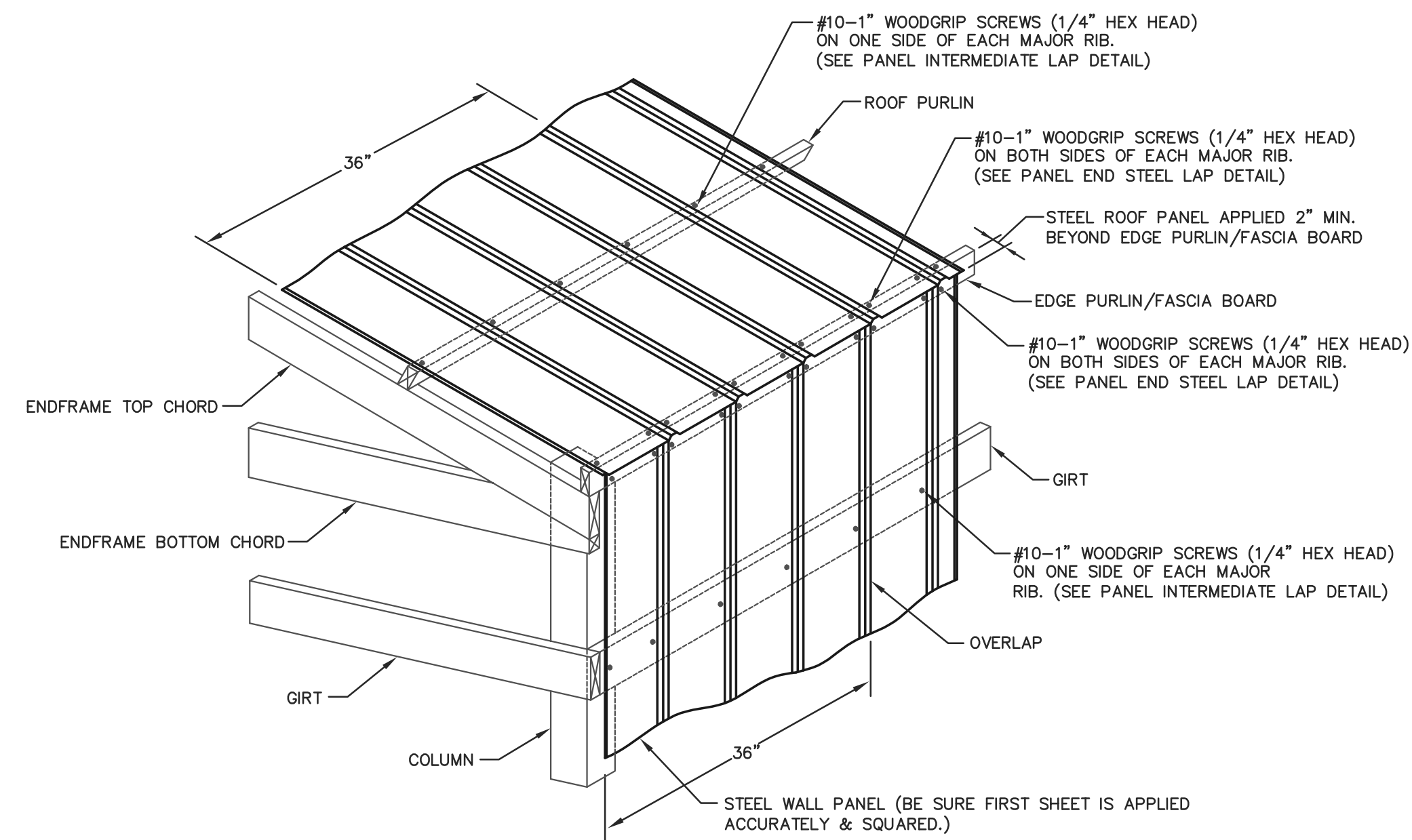
SHEET TITLE:
RESTROOM DETAILS

FILE NAME: B10524WI
SHEET NO.

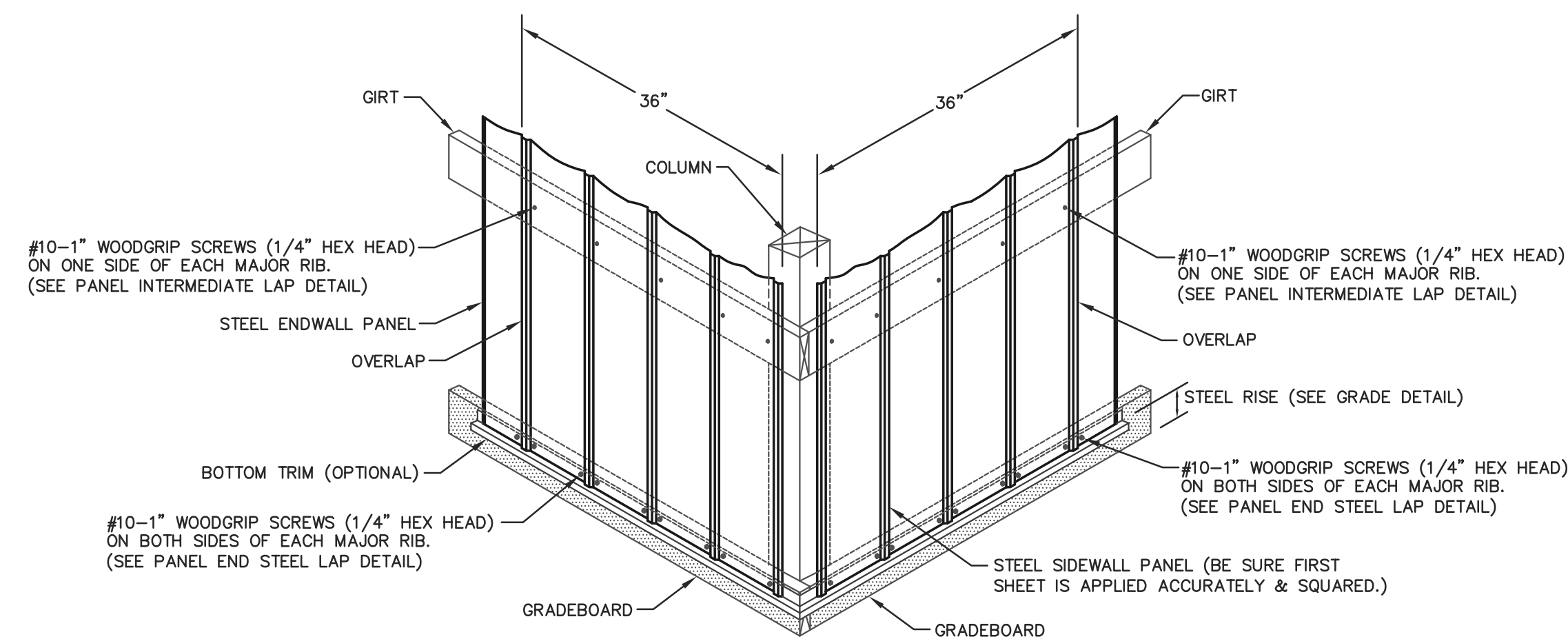
S9



ROOF & ENDWALL STEEL APPLICATION @ GABLE PEAK & INTERMEDIATE



ROOF & SIDEWALL STEEL APPLICATION @ EAVE

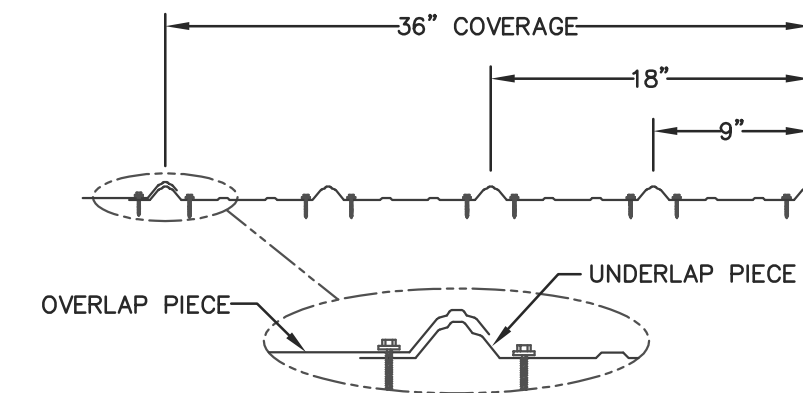


WALL STEEL APPLICATION @ GRADEBOARD

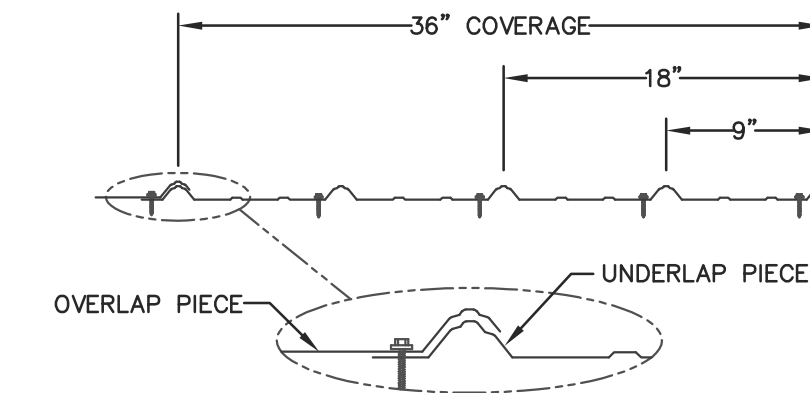
STEEL APPLICATION DETAILS

STEEL PANEL INSTALLATION GENERAL NOTES:

1. PROPER LAPPING OF STEEL PANEL IS VERY IMPORTANT IN THE PANEL'S ABILITY TO PREVENT LEAKING. OVERSEATING AND UNDERSEATING OF LAP IS NOT PERMITTED.
2. FASTENER TIGHTNESS IS CRITICAL IN THE LONGEVITY OF THE FASTENER'S ABILITY TO HELP PREVENT LEAKS AND STRUCTURAL LOAD CARRYING CAPACITY. OVER-TORQUING OF SCREWS WILL REDUCE THE SCREW'S WITHDRAWAL CAPACITY, REGARDLESS OF THE CONSTRUCTION MATERIALS INVOLVED. UNDER-TORQUING OF SCREWS WILL INCREASE THE POTENTIAL OF ROOF LEAKS.
3. FASTENER LOCATION IS CRITICAL FOR INSTALLERS TO MINIMIZE THE POTENTIAL OF OIL CANNING, DIMPLES, AND OTHER APPEARANCE RELATED ISSUES.
4. THE ANTI-SYPHON DRAIN CHANNEL MUST BE CLEAR OF DEBRIS AND OBSTRUCTIONS FOR THE PANEL'S ABILITY TO MINIMIZE THE POTENTIAL OF CAPILLARY ACTION OF WATER FROM GETTING UNDER THE STEEL PANEL.



PANEL END STEEL LAP DETAIL
NOT TO SCALE



PANEL INTERMEDIATE LAP DETAIL
NOT TO SCALE



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NO	DATE	DESCRIPTION	BY
1			
2			

SHEET TITLE:

STEEL APPLICATION DETAILS

FILE NAME: B10524WI

SHEET NO.

S10