

BUILDING SPECIFICATIONS AND GENERAL NOTES

FURBALL FARM FARIBAULT, MN

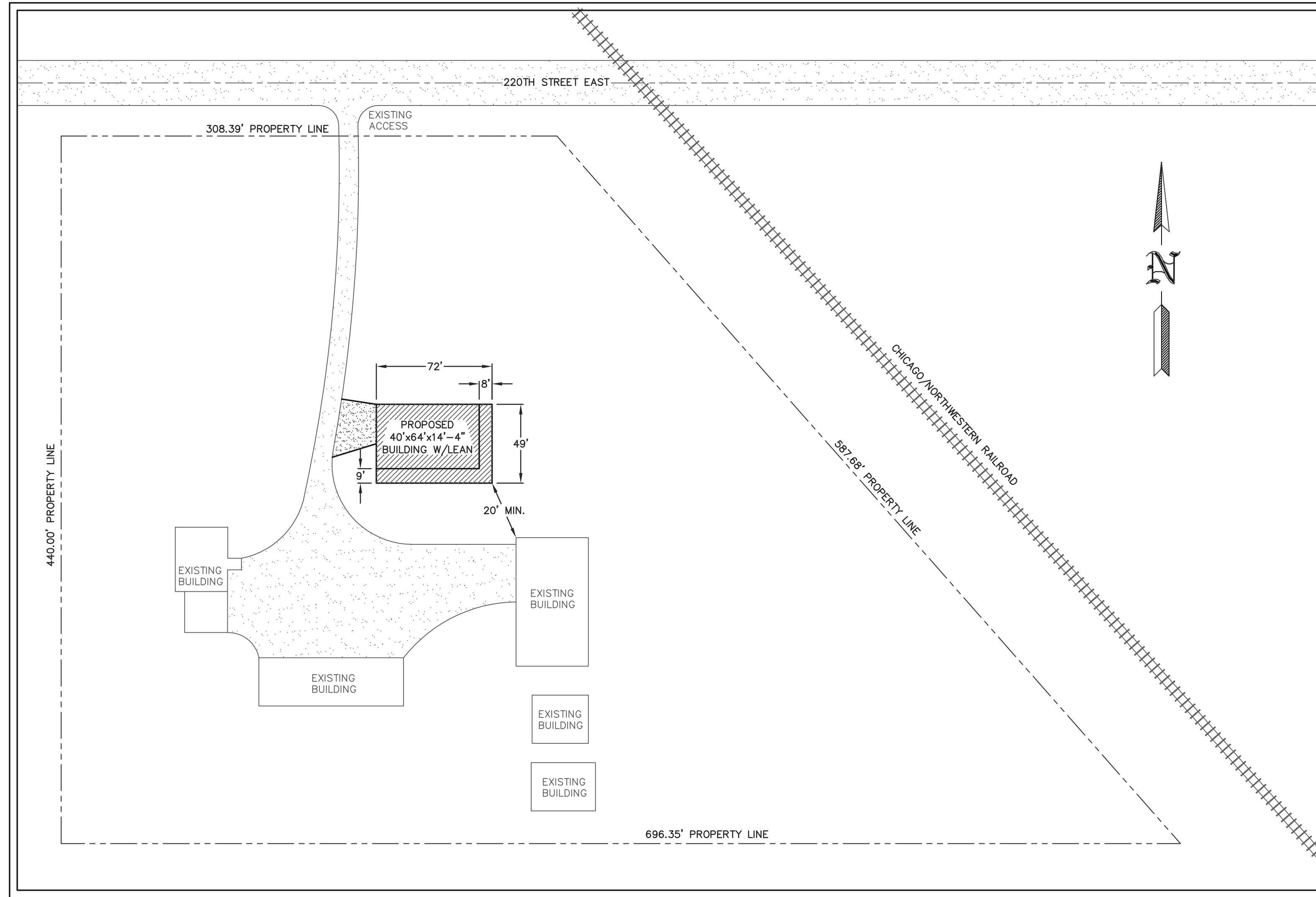
OWNERS INFORMATION:	BUILDING DESIGN INFORMATION:	BUILDING AREA:
- NAME: ANTHONY MARUES	- DESIGN CODE: 2020 MN BUILDING CODE	- AREA OF WORK: 3528 SQFT
- ADDRESS: 3405 220TH STREET E	- USE OF BUILDING: CAT SANCTUARY	- EXISTING BUILDING AREA: 0 SQFT
- CITY: FARIBAULT	- OCCUPANCY CLASSIFICATION: GROUP (B)	- TOTAL BUILDING AREA: 3528 SQFT
- STATE: MN	- CONSTRUCTION TYPE: 2	
- ZIP: 55021	- RISK CATEGORY: NO	
	- FIRE SUPPRESSION SYSTEM: NO	
	ALLOWABLE AREA:	- TABLE AREA: 9000 SQFT
		- PERIMETER INCREASE: 0 SQFT
		- SPRINKLER INCREASE: 0 SQFT
		- TOTAL ALLOWABLE AREA: 9000 SQFT

ROOM LABEL	AREA	FLOOR AREA PER OCCUPANT (TABLE 1004)	OCCUPANTS	OCCUPANTS PER FIXTURE (TABLE 2002.1)	WATER CLOSETS	OCCUPANTS PER FIXTURE (TABLE 2002.1)	LAVATORIES	OCCUPANTS PER FIXTURE (TABLE 2002.1)	DRINKING FOUNTAINS
STORAGE	3136	150	21	25	0.84	40	0.525	100	0.21
TOTAL	3136		21		0.84		0.525		0.21

SNOW	WIND	SEISMIC	TRUSS DEAD LOADS
(P _s) = 50.0 PSF (C _e) = 0.90 (I _s) = 1.00 (C _t) = 1.10 (P _f) = 34.65 PSF (C _s) = 0.86 (P _s) = 23.78 PSF (L _r) = 20.00 PSF *WITH UNBALANCED LOADS AS REQUIRED	B.W.S. = 115 MPH EXPOSURE = C	- SEISMIC IMPORTANCE FACTOR: 1.00 - SPECTRA RESPONSE COEFFICIENT SDS: 0.051 - SPECTRA RESPONSE COEFFICIENT SD1: 0.054 - SITE CLASSIFICATION: D - SEISMIC DESIGN CATEGORY: A	DLTC = 4 PSF DLBC = 5 PSF

MAJOR STRUCTURAL COMPONENTS:	DETAILS:
COLUMNS:	- ALL LAMINATED COLUMNS SHALL BE MIDWEST MANUFACTURING'S, RIVET CLINCHED, WITH STEEL REINFORCED JOINTS UNLESS SPECIFIED OTHERWISE.
TRUSSES:	- DESIGNED IN ACCORDANCE TO 2020 MN BUILDING CODE TPI APPROVED THIRD PARTY INSPECTED - MIDWEST MANUFACTURING TRUSS QUOTE NUMBER: QTREC0633747 - LATERAL BRACING IS REQUIRED. SEE TRUSS SPECIFICATION SHEET(S) FOR LATERAL BRACE LOCATIONS.
STEEL PANEL:	- MIDWEST MANUFACTURING PREMIUM PRO-RIB STEEL PANEL .0157" MINIMUM THICKNESS BEFORE PAINTING .018" NOMINAL THICKNESS AFTER PAINTING G100 GALVANIZED COATING PLUS ZINC PHOSPHATE LIFETIME 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.
- SOIL:**
- SOIL BASED ON ASABE EP486.2 (TABLE 1)
 - PRESUMPTIVE SOIL TYPE: SILTY OR CLAYEY FINE TO COARSE SAND (CLASS OF MATERIAL: SW, SP, SM, AND SC).
 - SOIL CONSISTENCY: MEDIUM TO DENSE
 - A SOIL BEARING VALUE ASSUMED AT A MINIMUM 2000 PSF.
 - ALL FOOTINGS AND SLAB TO BEAR ON UNDISTURBED INORGANIC SOIL OR SOIL COMPACTED TO 95% MODIFIED PROCTOR DENSITY.
 - ALL SOILS BELOW CONCRETE SHALL BE A NON-FROST SUSCEPTIBLE SOIL AS REQUIRED IN ASCE 32.
 - 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.
 - FOOTINGS TO BE ABOVE THE WATER TABLE
- CONCRETE:**
- CONCRETE SHALL BE IN ACCORDANCE WITH ACI 318. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS.
 - ALL REBAR SHALL MEET A615 GRADE 40 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 LUMBER IN CONTACT WITH CONCRETE OR SOIL ABOVE GRADE SHALL BE TREATED IN ACCORDANCE WITH THE MOST CURRENT VERSION OF THE AWPA U1 UC3B REQUIREMENTS OR BETTER.
 - ALL LUMBER BELOW GRADE SHALL BE TREATED IN ACCORDANCE WITH THE MOST CURRENT VERSION OF THE AWPA U1 UC4B REQUIREMENTS OR BETTER.
- STEEL TRIMS:**
- COLOR MATCHED STEEL TRIMS
CERAM-A-STAR 1050 PAINT SYSTEM
- FRAMING FASTENERS:**
- GALVANIZED THREADED HARDENED STEEL RINGSHANK NAILS, UNLESS NOTED OTHERWISE.
- 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) (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).



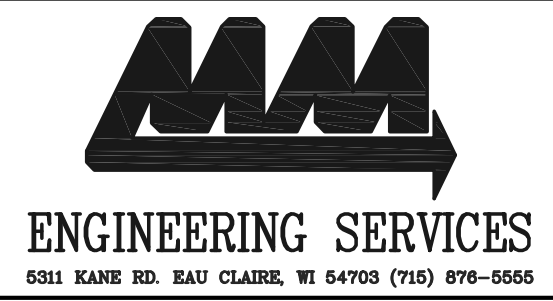
SITE PLAN
SCALE: 1"=50'

SHEET INDEX	
SHEET #	SHEET DESCRIPTION
S1	GENERAL NOTES & SITE PLAN
S2	ELEVATIONS
S3	FLOOR PLAN
S4	ROOF FRAMING PLAN
S5	SIDEWALL SECTION & SECTION DETAILS
S6	ENDWALL SECTIONS, SECTION DETAILS & OVERHEAD DOOR DETAILS
S7	SIDEWALL SECTION @ LEAN-TO & DETAILS
S8	ENDWALL SECTION @ LEAN-TO & DETAILS
S9	STEEL APPLICATION DETAILS
S10	RESTROOM FLOOR PLAN & DETAILS

BUILDING INFORMATION:	
NAME:	FURBALL FARM
ADDRESS:	3405 220TH STREET EAST
CITY:	FARIBAULT
STATE:	MN
ZIP:	55021
COUNTY:	RICE

NOTE: OWNER/CONTRACTOR SHALL VERIFY ALL SETBACKS WITH LOCAL BUILDING OFFICIAL AT TIME OF CONSTRUCTION.

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.
Print Name: Nathan D. Peleschak
Signature: Nathan D. Peleschak
Date: 7/2/20 License #: 50824



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

PROJECT TITLE:
FURBALL FARM
FARIBAULT, MN

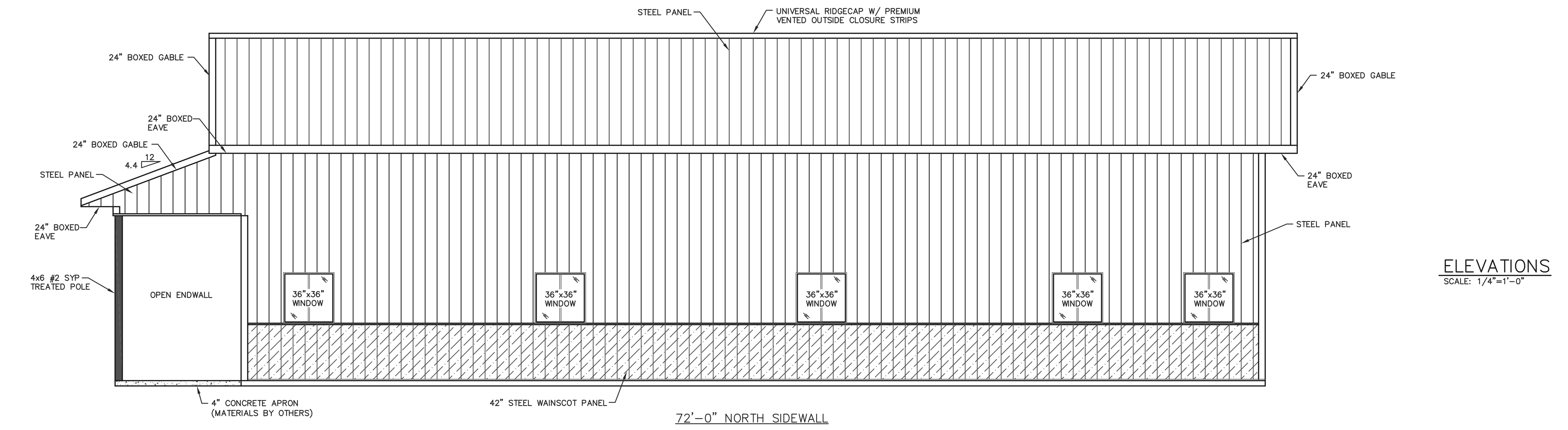
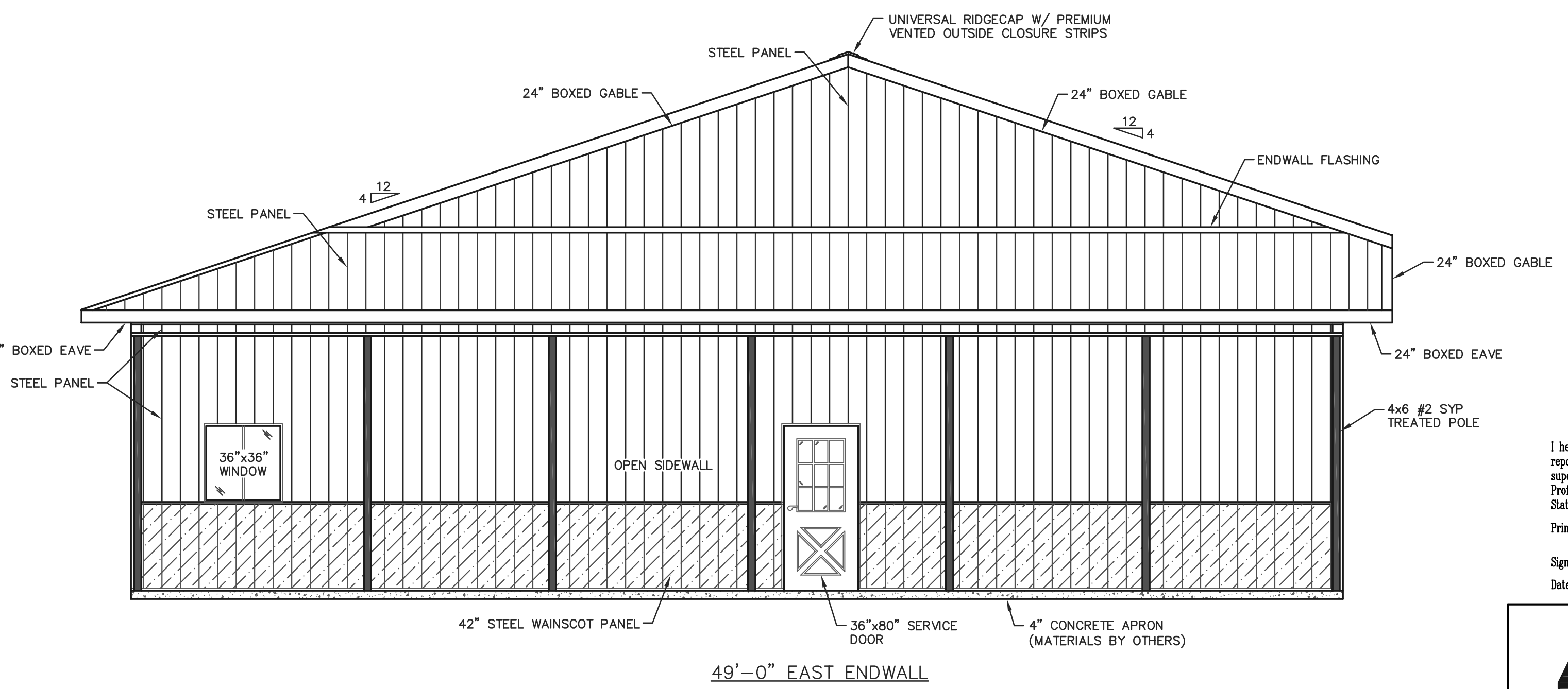
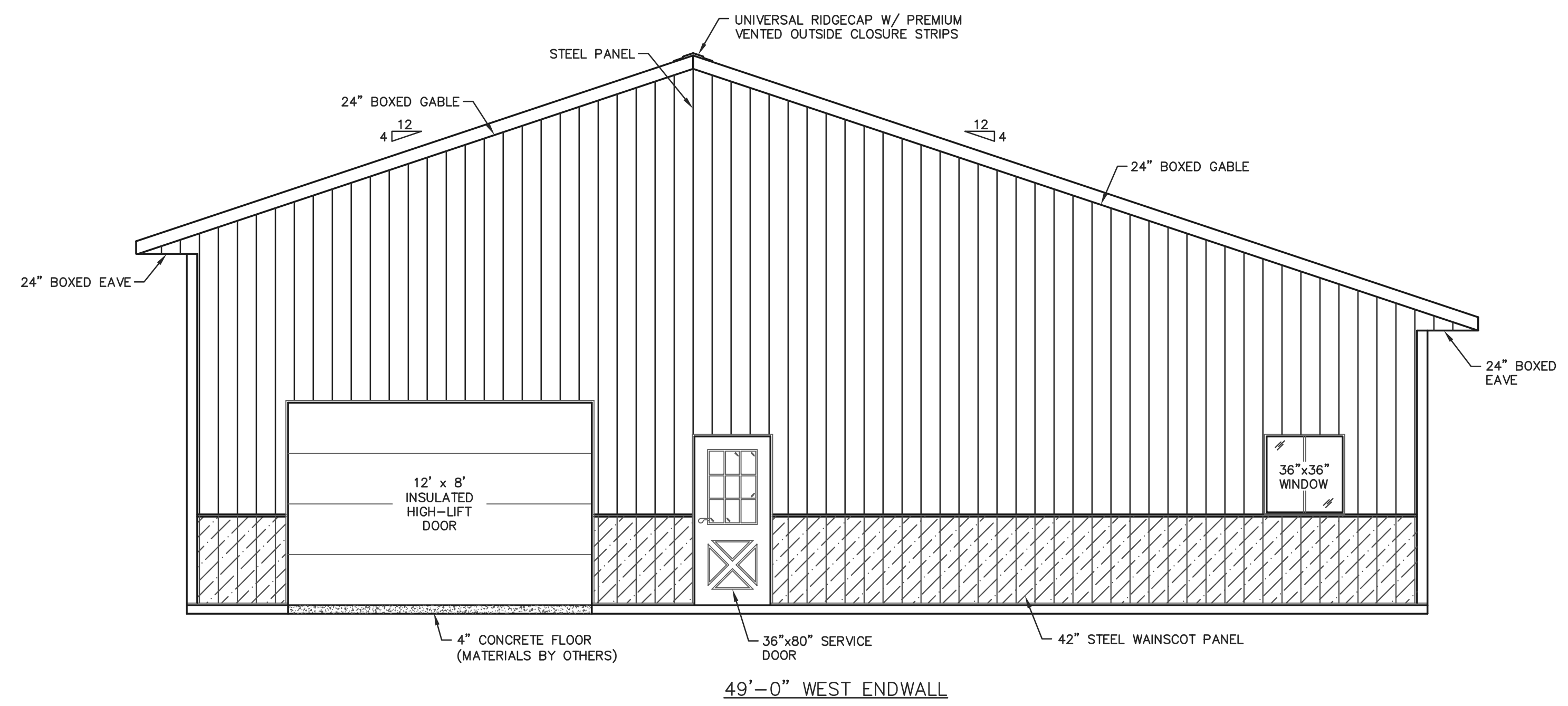
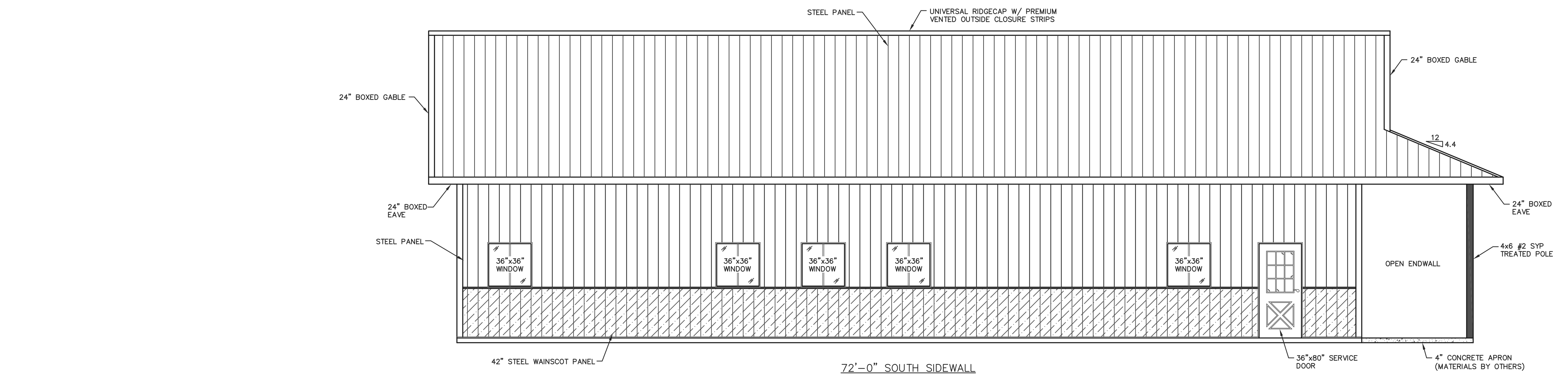
PROF. ENGINEER:	NATE PELESCHAK
PLAN DESIGNER:	LOUISE EWALD
DRAWN BY:	APA
DATE:	7/2/2020
SCALE:	AS NOTED

REVISIONS			
NO	DATE	DESCRIPTION	BY
1			
2			

SHEET TITLE:
GENERAL NOTES & SITE PLAN

FILE NAME: B14920M
SHEET NO.

S1



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

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.
Print Name: Nathan D. Peleschak
Signature: Nathan D. Peleschak
Date: 7/2/20 License #: 50824

MM
ENGINEERING SERVICES
6311 KANE RD. EAU CLAIRE, WI 54603 (715) 876-6666

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

PROJECT TITLE:
FURBALL FARM
FARIBAULT, MN

PROF. ENGINEER: NATE PELESCHAK
PLAN DESIGNER: LOUISE EWALD
DRAWN BY: APA
DATE: 7/2/2020
SCALE: AS NOTED

REVISIONS		
NO	DATE	DESCRIPTION
1		
2		

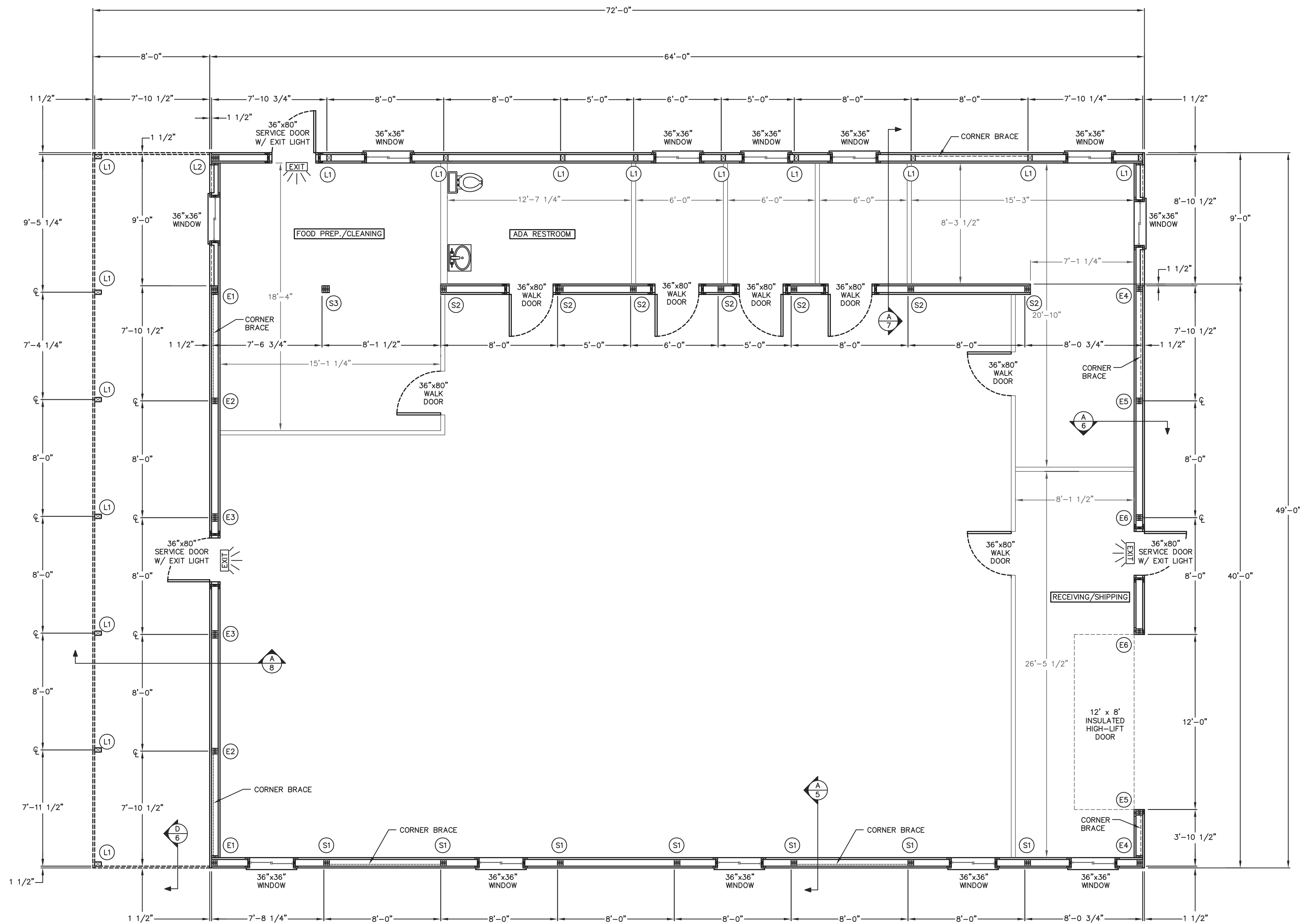
SHEET TITLE:
ELEVATIONS

FILE NAME: B14920MN
SHEET NO.

S2

NOTE: 2x4/2x4 #2 SPF T-GIRTS ARE REQUIRED IN THE 9'-0" WIDE CORNER BAYS IN THE ENDWALL.

NOTE: 2x4/2x4 #2 SPF T-GIRTS ARE REQUIRED IN THE 8'-10 1/2" WIDE CORNER BAYS IN THE ENDWALL.



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

NOTE: CORNER BRACE SHALL BE A 2x6 #2 SPF EXTENDING FROM THE GRADEBOARD AT THE INTERIOR COLUMN TO THE TOP OF THE CORNER COLUMN. CORNER BRACE SHALL BE SECURED TO THE GRADEBOARD W/(3)-10d THREADED HARDENED STEEL NAILS AND TO THE SOFFIT NAILER/ENDFRAME BOTTOM CHORD W/(3)-10d THREADED HARDENED STEEL NAILS. EACH BRACE TO GIRT LOCATION SHALL BE SECURED W/(1)-10d THREADED HARDENED STEEL NAIL.

COLUMN & FOOTING SCHEDULE				
COLUMN LOCATION	COLUMN DESCRIPTION	EMBEDMENT	NUMBER OF COLUMNS	FOOTING DESCRIPTION
S1	3-PLY (22')-2x6 2400F MSR SYP LAMINATED COLUMN	5'-1"	7	20"Øx6" CONCRETE FOOTING
S2	3-PLY (22')-2x6 2400F MSR SYP LAMINATED COLUMN	5'-1"	7	24"Øx6" CONCRETE FOOTING
S3	4-PLY (22')-2x6 2400F MSR SYP LAMINATED COLUMN	5'-1"	1	24"Øx6" CONCRETE FOOTING
E1	3-PLY (22')-2x6 2400F MSR SYP LAMINATED COLUMN	5'-1"	2	20"Øx6" CONCRETE FOOTING
E2	3-PLY (22')-2x6 2400F MSR SYP LAMINATED COLUMN	4'-0"	2	20"Øx6" CONCRETE FOOTING
E3	4-PLY (26')-2x6 2400F MSR SYP LAMINATED COLUMN	4'-0"	2	20"Øx6" CONCRETE FOOTING
E4	3-PLY (22')-2x6 2400F MSR SYP LAMINATED COLUMN	5'-1"	2	14"Øx4" CONCRETE FOOTING
E5	3-PLY (22')-2x6 2400F MSR SYP LAMINATED COLUMN	4'-0"	2	14"Øx4" CONCRETE FOOTING
E6	3-PLY (26')-2x6 2400F MSR SYP LAMINATED COLUMN	4'-0"	2	14"Øx4" CONCRETE FOOTING
L1	4x6 (18') #2 SYP (S4S) TREATED POLE	4'-0"	16	14"Øx4" CONCRETE FOOTING
L2	4-PLY (18')-2x6 #1 SYP LAMINATED COLUMN	4'-0"	1	14"Øx4" CONCRETE FOOTING

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.
Print Name: Nathan D. Peleschak
Signature: Nathan D. Peleschak
Date: 7/2/20 License #: 50824

MM
ENGINEERING SERVICES
5311 KANE RD. EAU CLAIRE, WI 54603 (715) 876-6556

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

PROJECT TITLE:
FURBALL FARM
FARIBAULT, MN

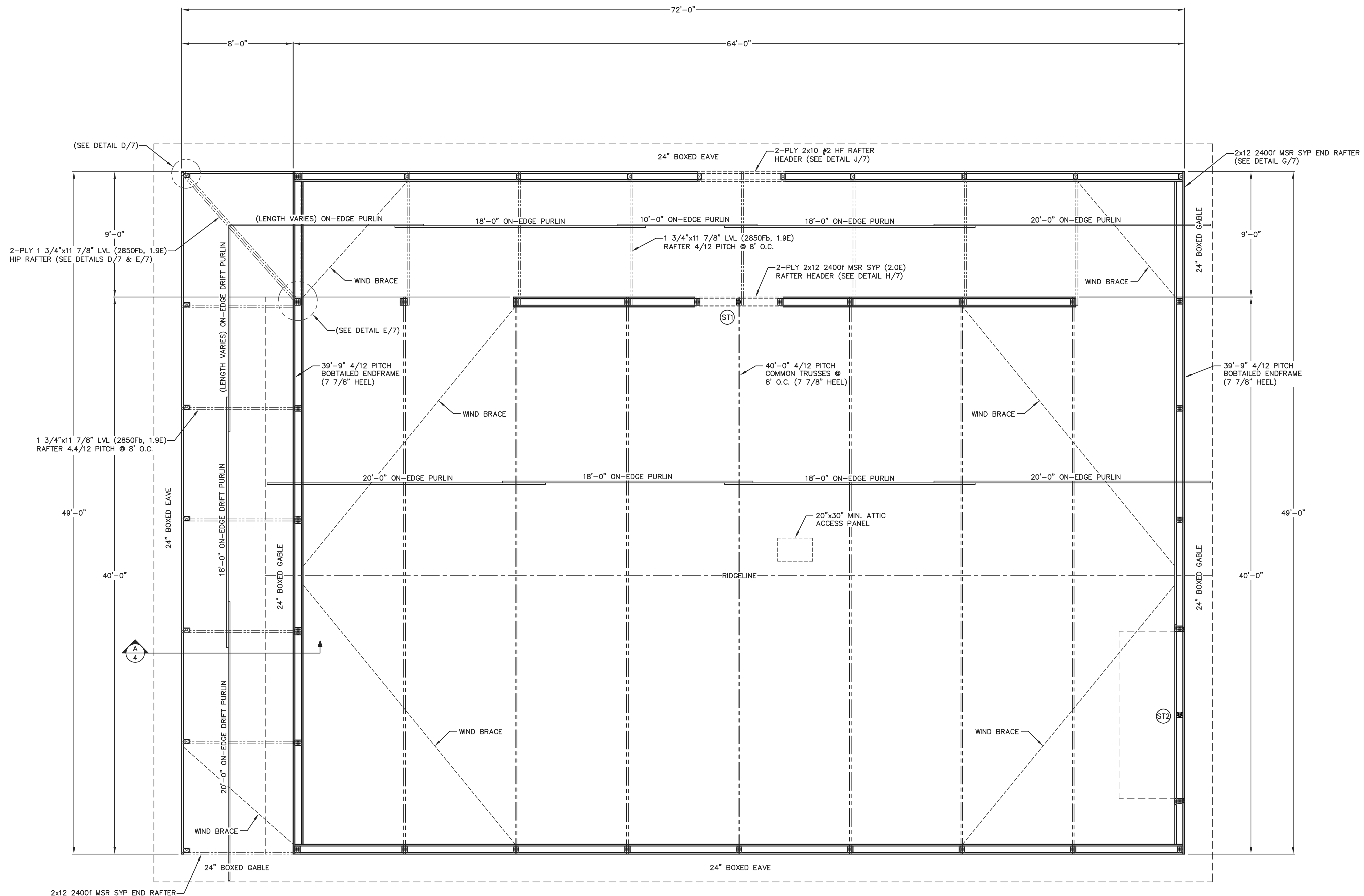
PROF. ENGINEER: NATE PELESCHAK
PLAN DESIGNER: LOUISE EWALD
DRAWN BY: APA
DATE: 7/2/2020
SCALE: AS NOTED

REVISIONS			
NO	DATE	DESCRIPTION	BY
1			
2			

SHEET TITLE:
FLOOR PLAN

FILE NAME: B14920M
SHEET NO.

S3



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

NOTE: (8' LEAN DRIFT PURLINS)
2x4 2100F MSR SPF ROOF PURLINS (ON-EDGE) AT 12" O.C. ROOF PURLINS ARE TO BE SECURED TO THE TRUSS W/ (1)-60d THREADED HARDENED STEEL NAIL AT EACH PURLIN TO TRUSS LOCATION. FOR PURLIN OVERLAP SEE DETAIL E/5.

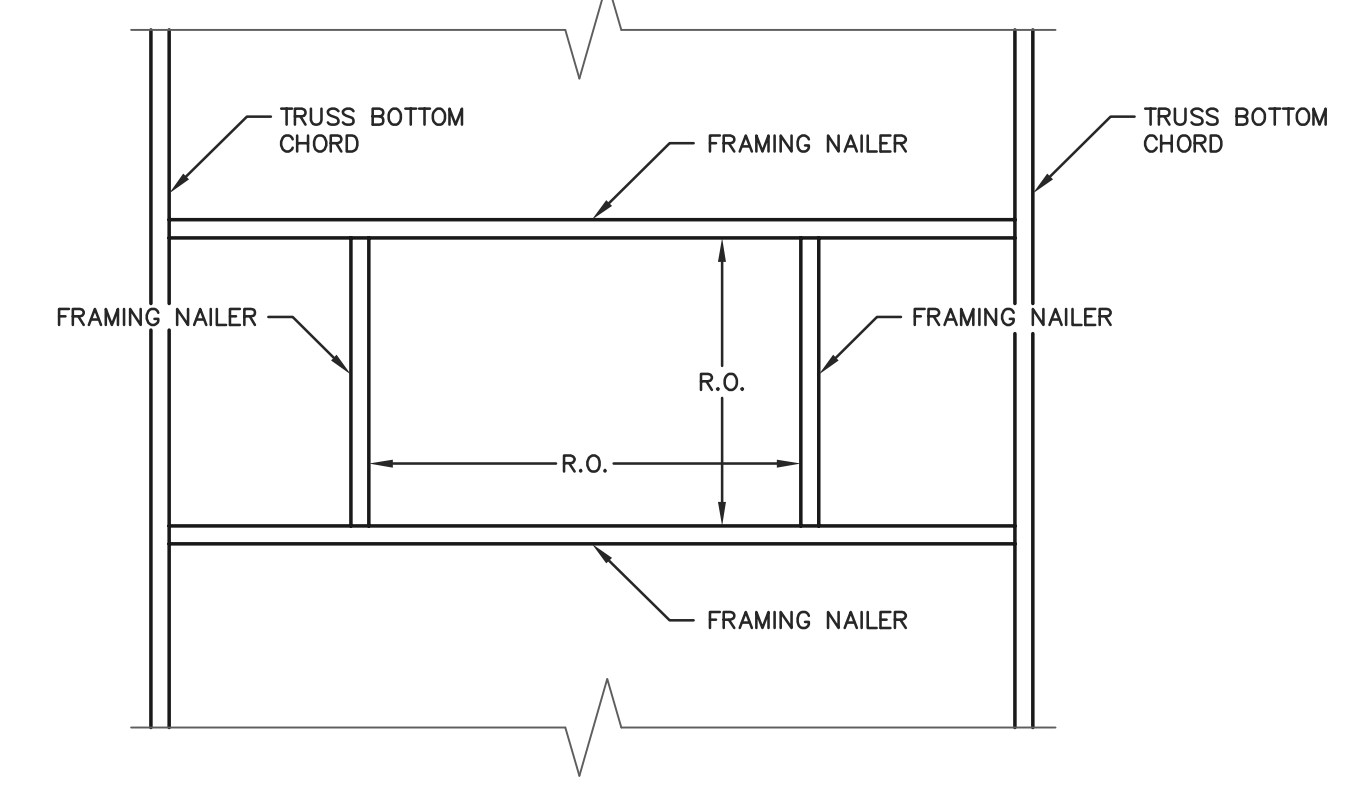
NOTE: (MAIN BUILDING 40'x64' & 9' LEAN)
2x4 #2 SPF ROOF PURLINS (ON-EDGE). THE FIRST (7) ROWS OF PURLINS AFTER THE PEAK PURLIN SHALL BE AT 15" O.C. WITH THE BALANCE AT 24" O.C. ROOF PURLINS ARE TO BE SECURED TO THE TRUSS W/ (1)-60d THREADED HARDENED STEEL NAIL AT EACH PURLIN TO TRUSS LOCATION. FOR PURLIN OVERLAP SEE DETAIL E/5.

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

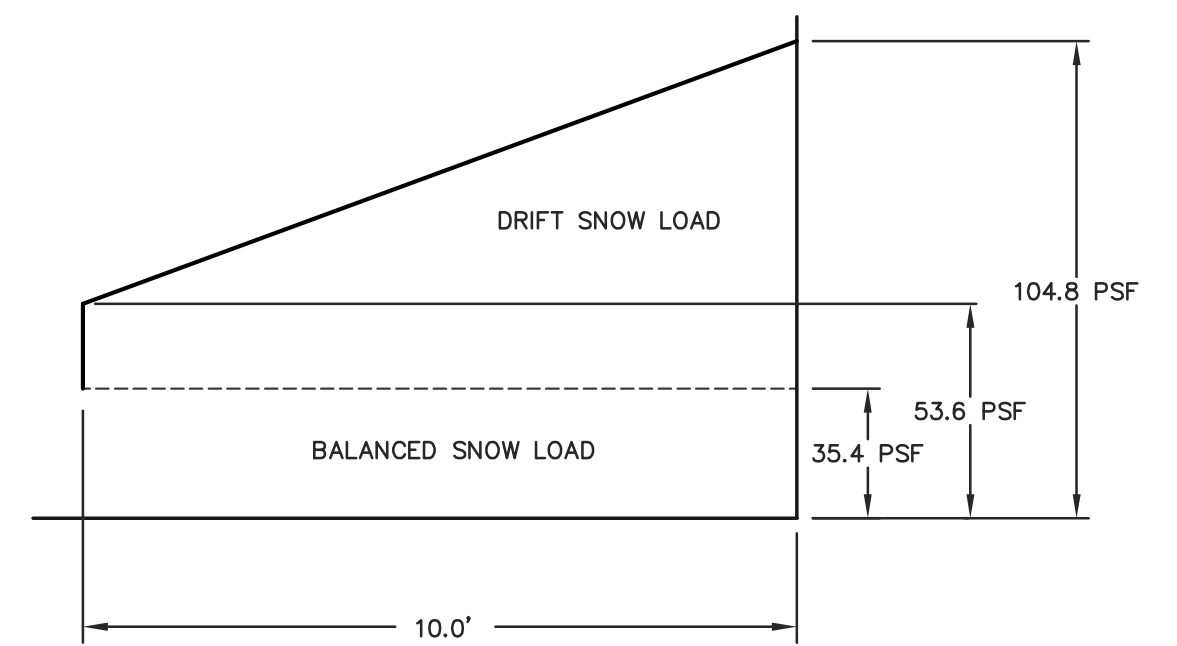
NOTE:
LATERAL BRACING IS REQUIRED. SEE TRUSS SPECIFICATION SHEET(S) FOR LATERAL BRACE LOCATIONS.

STUB COLUMN SCHEDULE		
COLUMN LOCATION	COLUMN DESCRIPTION	NUMBER OF COLUMNS
ST1	3-PLY 2x6-(2) #2 SPF STUB COLUMN (CUT TO FIT)	1
ST2	3-PLY 2x6-(10) #2 SPF STUB COLUMN (CUT TO FIT)	1

NOTE:
ATTIC AREA SHALL BE COMPARTMENTALIZED INTO AREAS NOT GREATER THAN 3000 SQ. FT BY DRAFT STOPPING AS SPECIFIED IN IBC 718.4. DRAFT STOPPING MATERIALS SHALL NOT BE LESS THAN 1/2" GYPSUM BOARD, 3/8" WOOD STRUCTURAL PANEL, 3/8" PARTICLE BOARD, 1" NOMINAL LUMBER, OR CEMENT FIBERBOARD. EVERY ATTIC COMPARTMENT SHALL BE PROVIDED WITH A 20"x30" ACCESS PANEL FROM LOWER AREA ACCESS PANELS IN COMPARTMENT WALLS SHALL BE PROVIDED WITH SELF CLOSING DEVICES. (INCLUDES OVERHANGS)

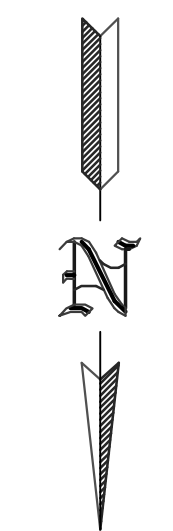


ATTIC ACCESS FRAMING
SCALE: 3/4"=1'-0"



DRIFT LOAD DIAGRAM
NOT TO SCALE

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.
Print Name: Nathan D. Peleschak
Signature: Nathan D. Peleschak
Date: 7/2/2020 License #: 50824



ENGINEERING SERVICES
5311 KANE RD. EAU CLAIRE, WI 54603 (715) 876-6556

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

PROJECT TITLE:
FURBALL FARM
FARIBAULT, MN

PROF. ENGINEER: NATE PELESCHAK
PLAN DESIGNER: LOUISE EWALD
DRAWN BY: APA
DATE: 7/2/2020
SCALE: AS NOTED

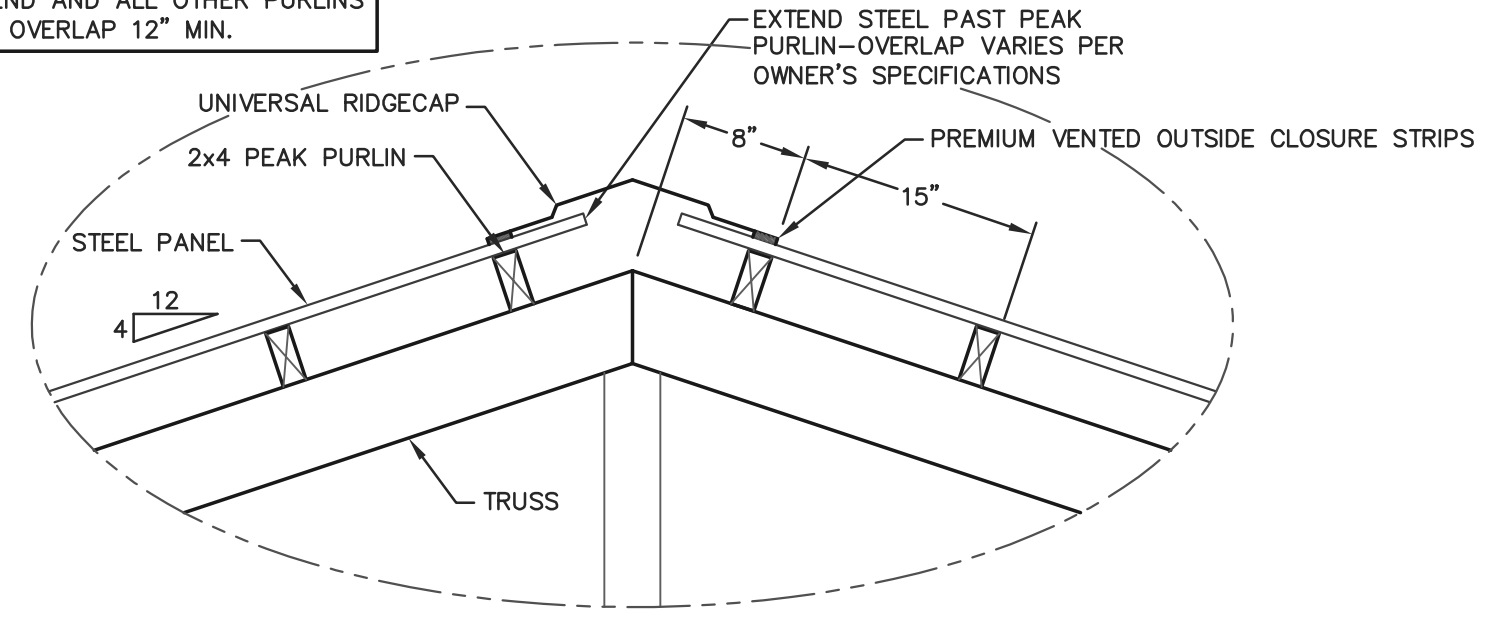
REVISIONS			
NO	DATE	DESCRIPTION	BY
1			
2			

SHEET TITLE:
ROOF FRAMING PLAN

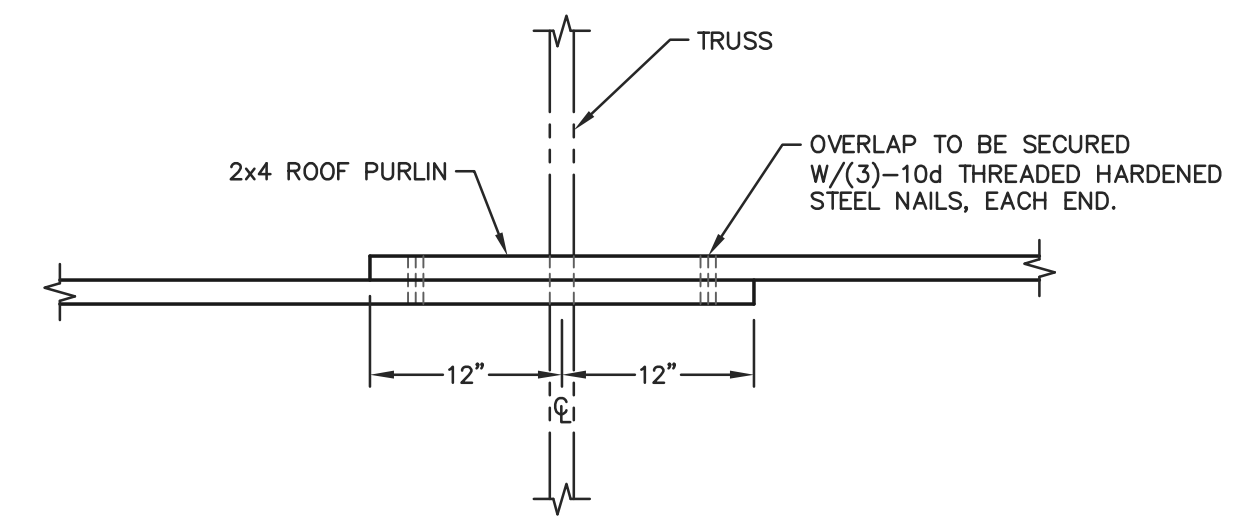
FILE NAME: B14920MN
SHEET NO.

S4

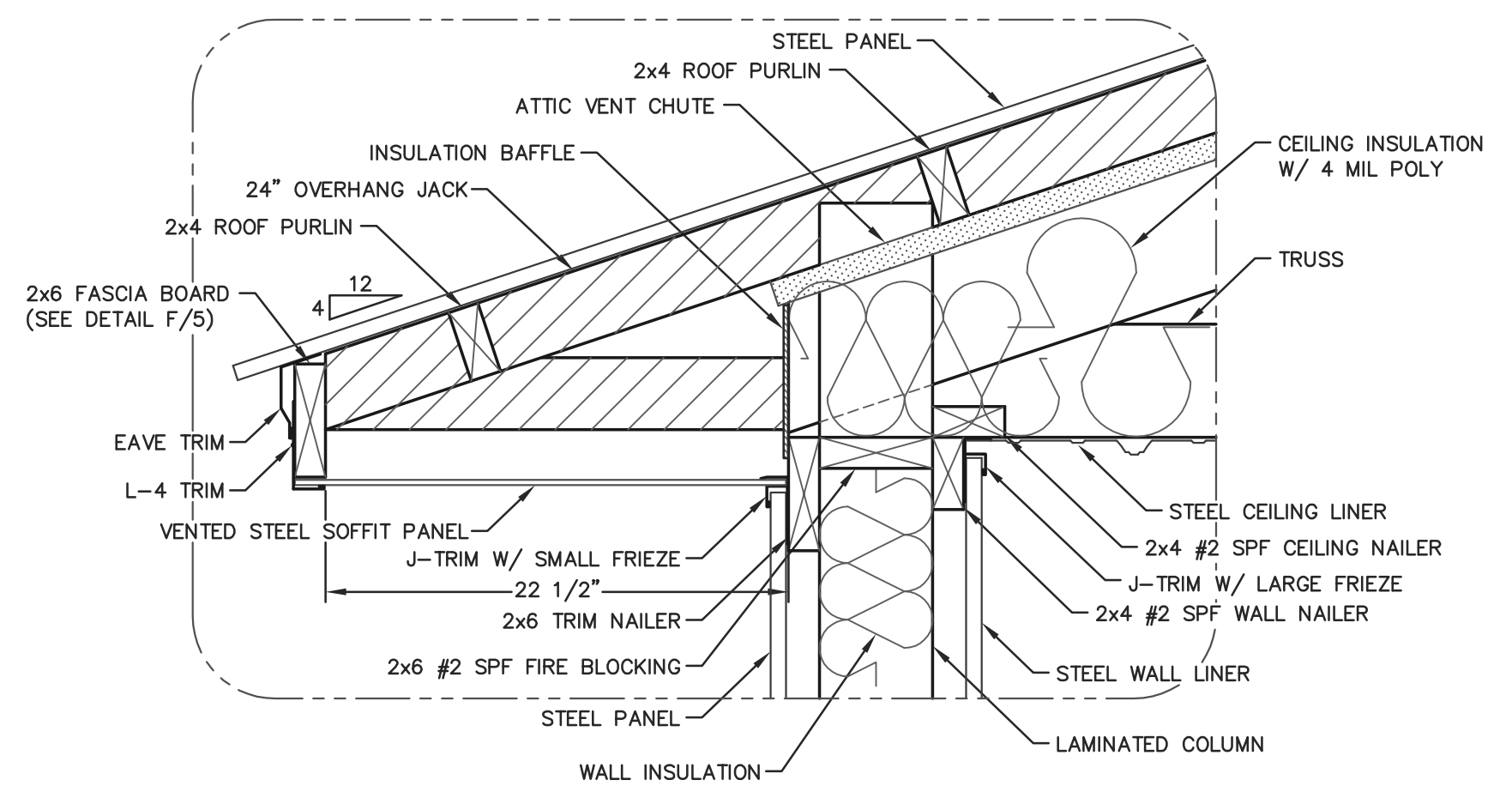
NOTE:
2x4 PEAK PURLINS BUTTED END TO END AND ALL OTHER PURLINS WILL OVERLAP 12" MIN.



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

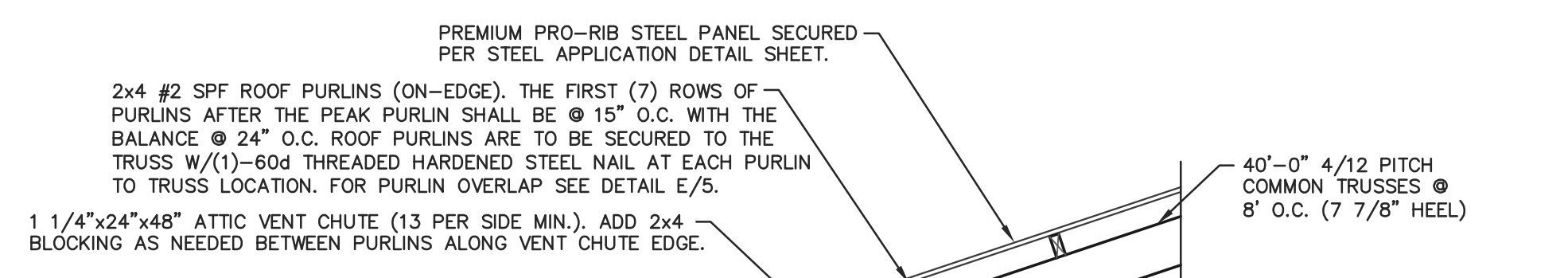


PURLIN OVERLAP DETAIL
SCALE: 1"=1'-0"

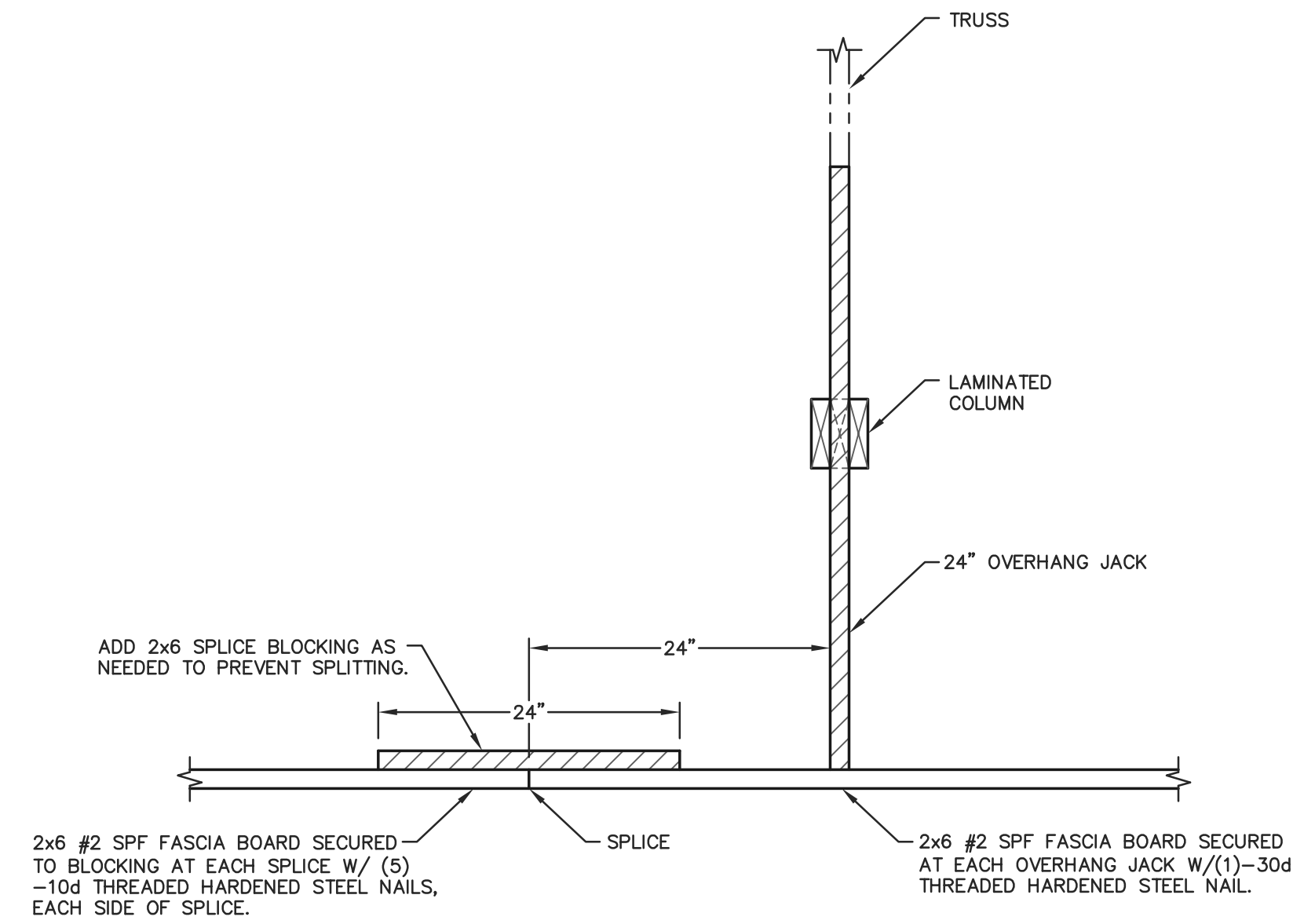


24" BOXED EAVE DETAIL
SCALE: 1 1/2"=1'-0"

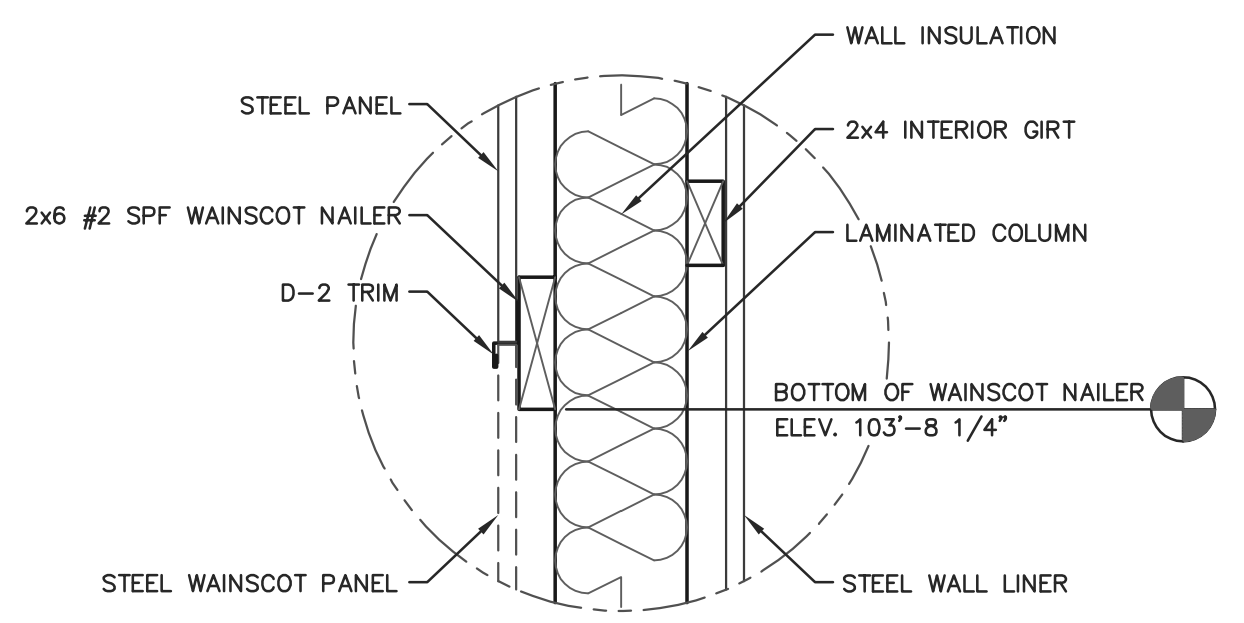
NOTE: OWNER SHALL PROVIDE THICKNESS MARKERS WHICH ARE INSTALLED AT LEAST ONE FOR EVERY 300 SQUARE FEET THROUGHOUT THE ATTIC SPACE IF THE INSULATION IS BLOWN INTO PLACE. THE MARKERS SHALL BE AFFIXED TO THE TRUSSES AND MARKED WITH THE MINIMUM INITIAL INSTALLED THICKNESS AND MINIMUM SETTLED THICKNESS. EACH MARKER SHALL FACE THE ATTIC ACCESS PANEL.



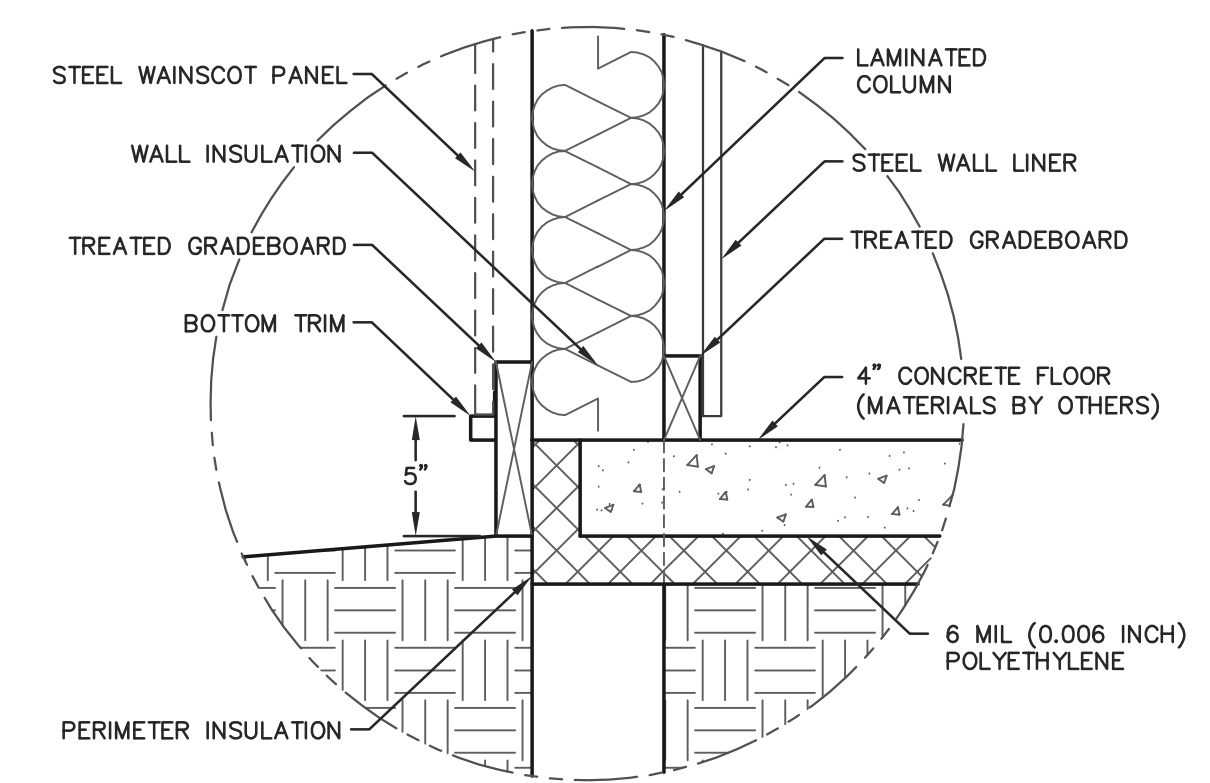
SIDEWALL SECTION
SCALE: 1/2"=1'-0"



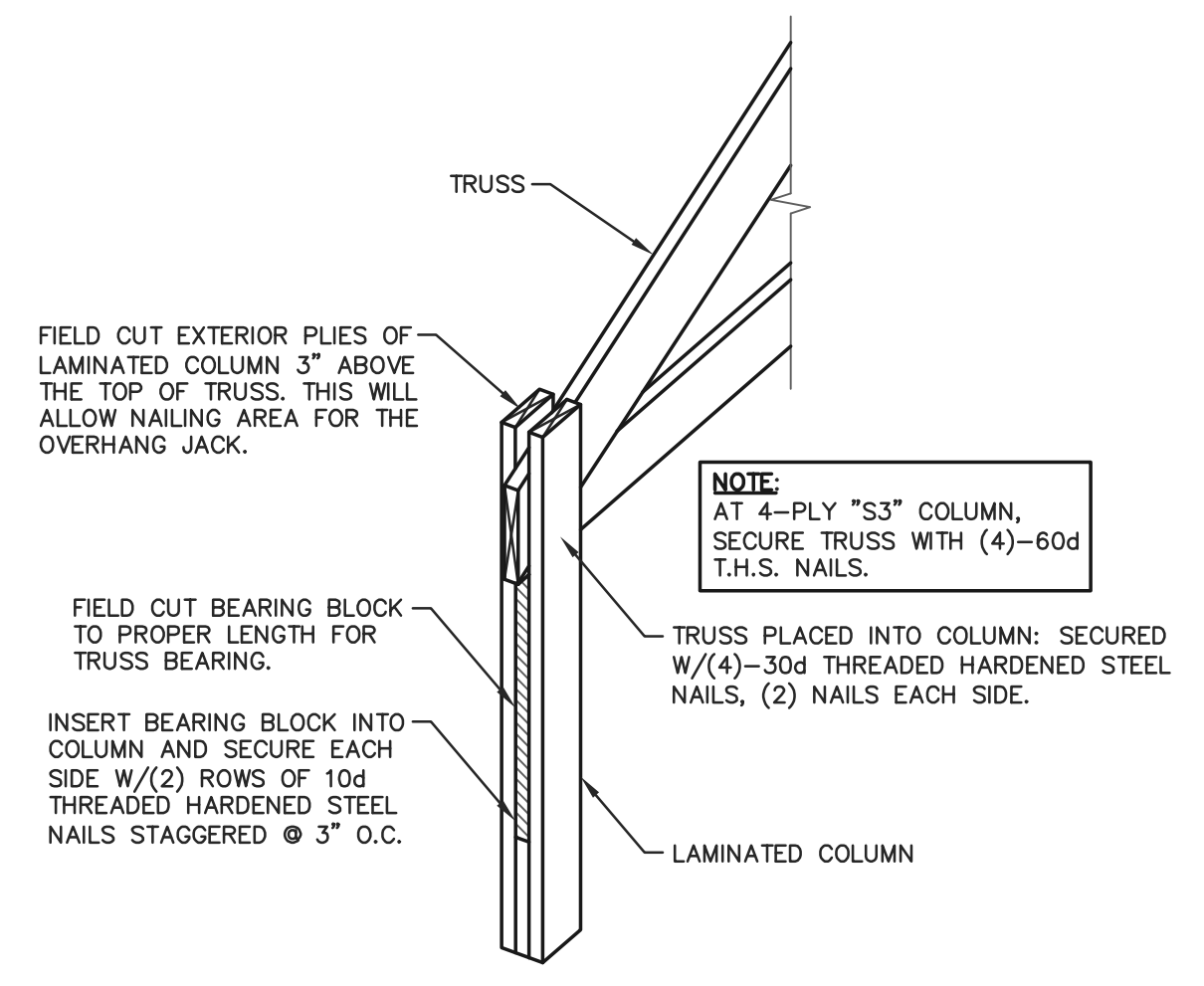
FASCIA BOARD DETAIL
SCALE: 1"=1'-0"



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



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



TRUSS INSTALLATION DETAIL
NOT TO SCALE

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.
Print Name: Nathan D. Peleschak
Signature: Nathan D. Peleschak
Date: 7/2/20 License #: 50824

ENGINEERING SERVICES
5311 KANE RD. EAU CLAIRE, WI 54603 (715) 876-6566

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

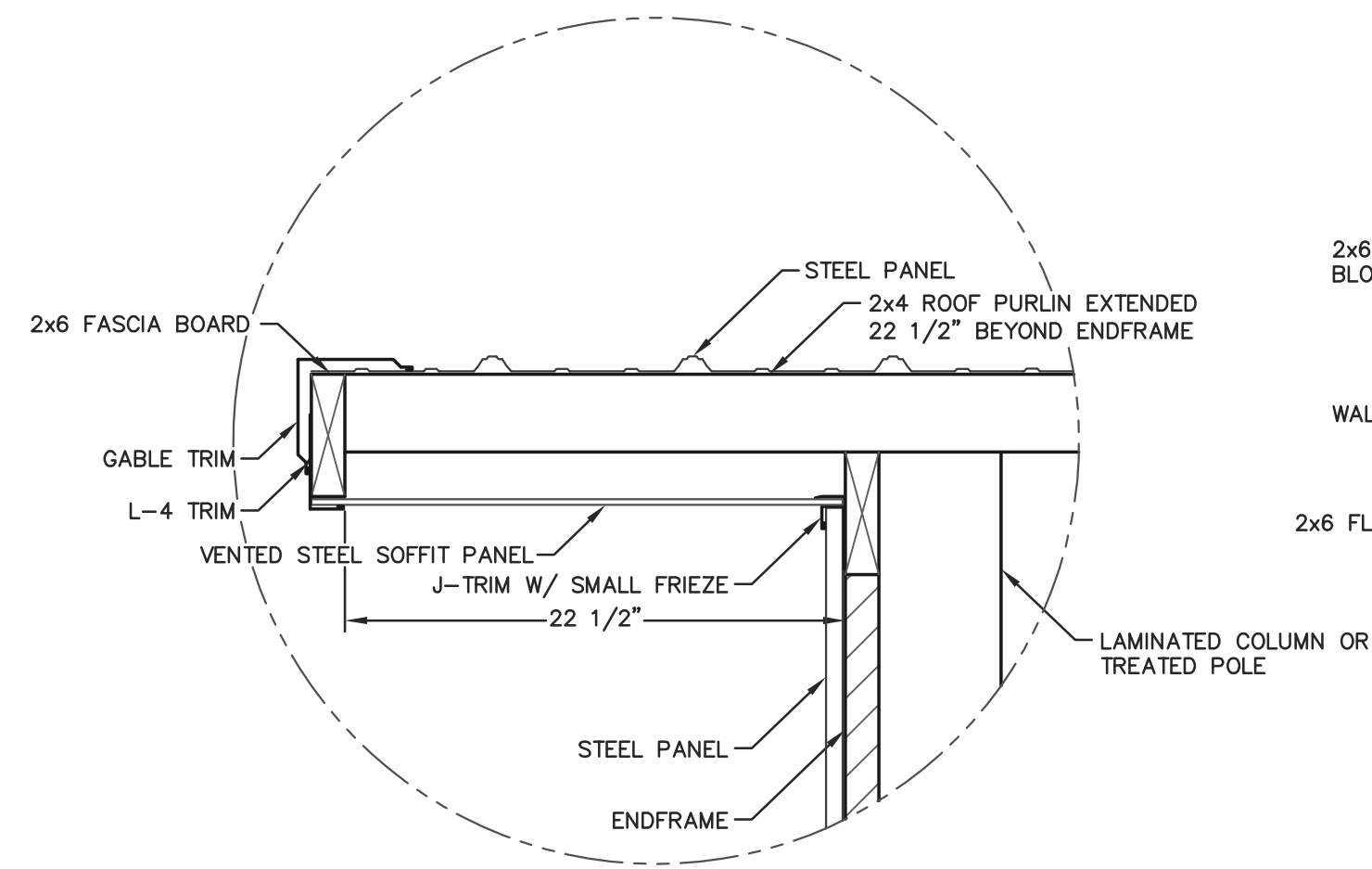
PROJECT TITLE:
FURBALL FARM
FARIBAULT, MN

PROF. ENGINEER: NATE PELESCHAK
PLAN DESIGNER: LOUISE EWALD
DRAWN BY: APA
DATE: 7/2/2020
SCALE: AS NOTED

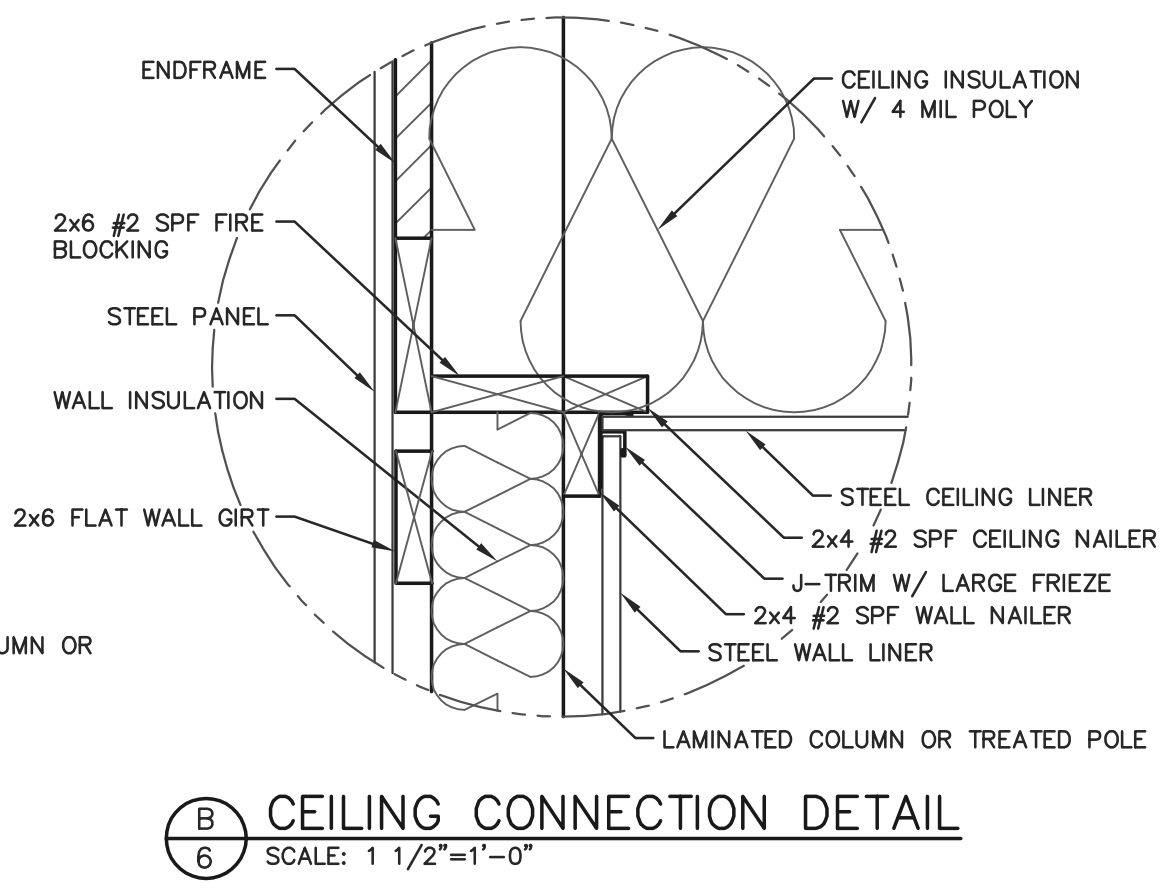
REVISIONS		
NO	DATE	DESCRIPTION
1		
2		

SHEET TITLE:
SIDEWALL SECTION & SECTION DETAILS
FILE NAME: B14920MN
SHEET NO.

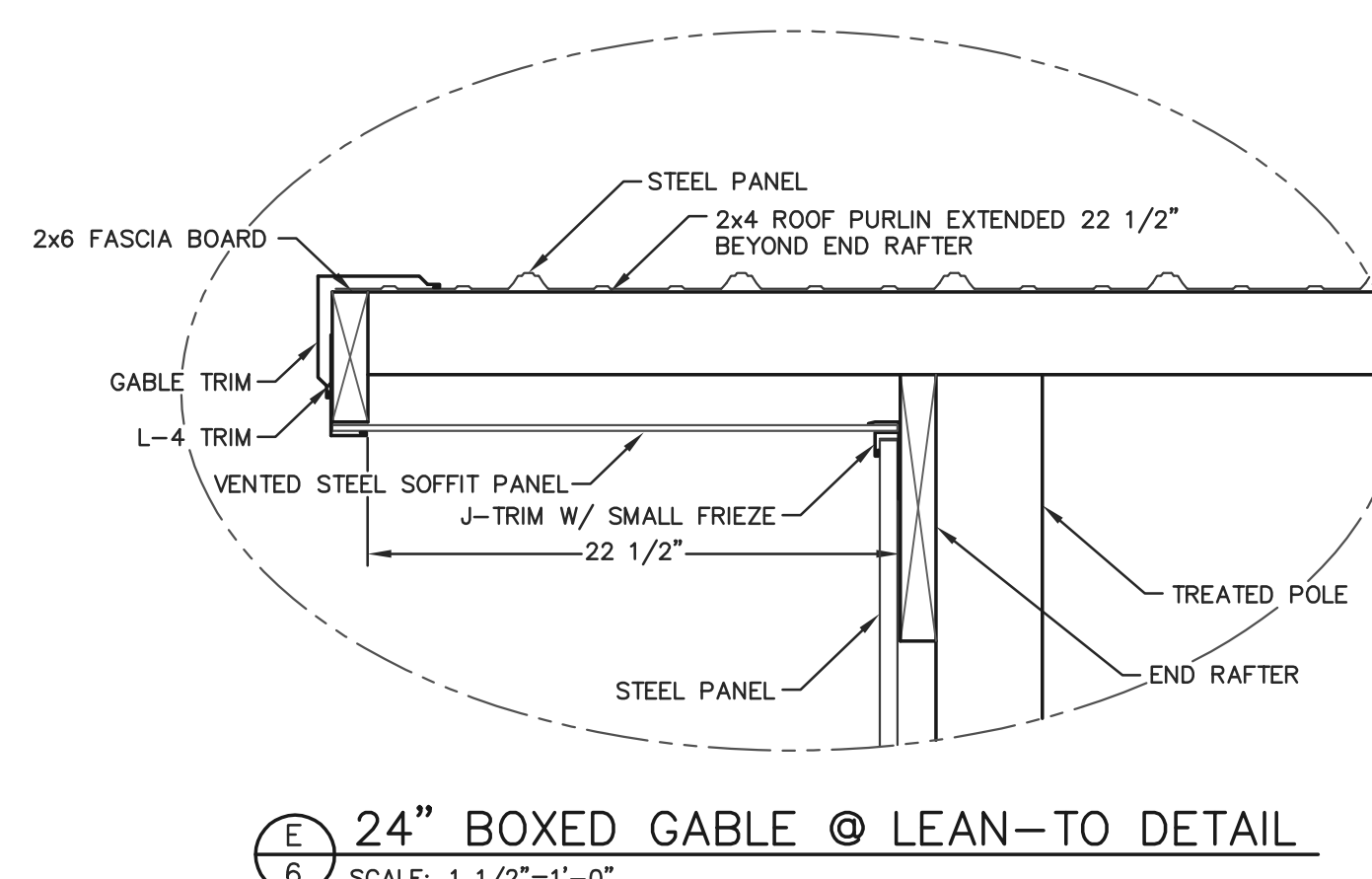
S5



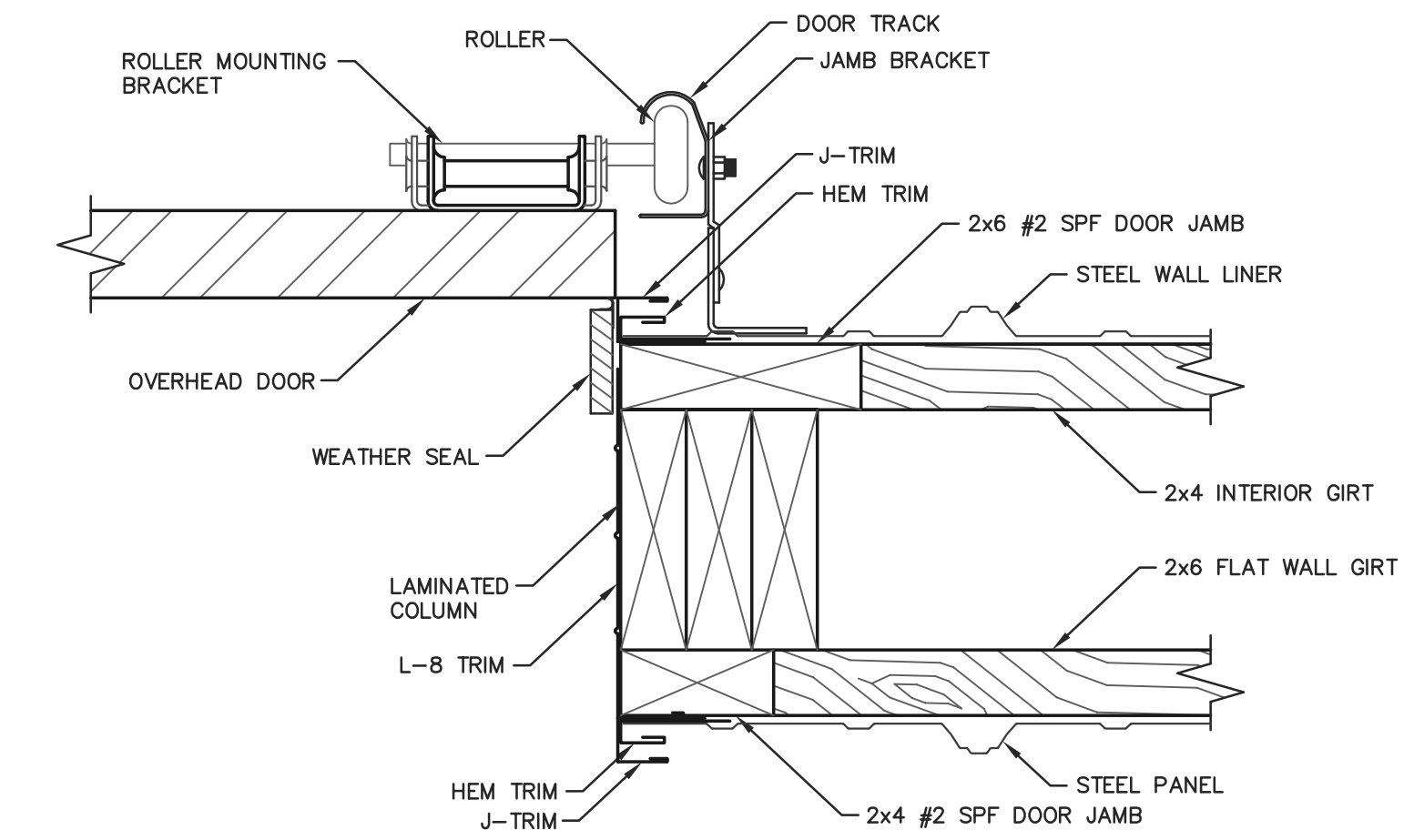
C 24" BOXED GABLE DETAIL
SCALE: 1 1/2"=1'-0"



B 6 CEILING CONNECTION DETAIL
SCALE: 1 1/2"=1'-0"

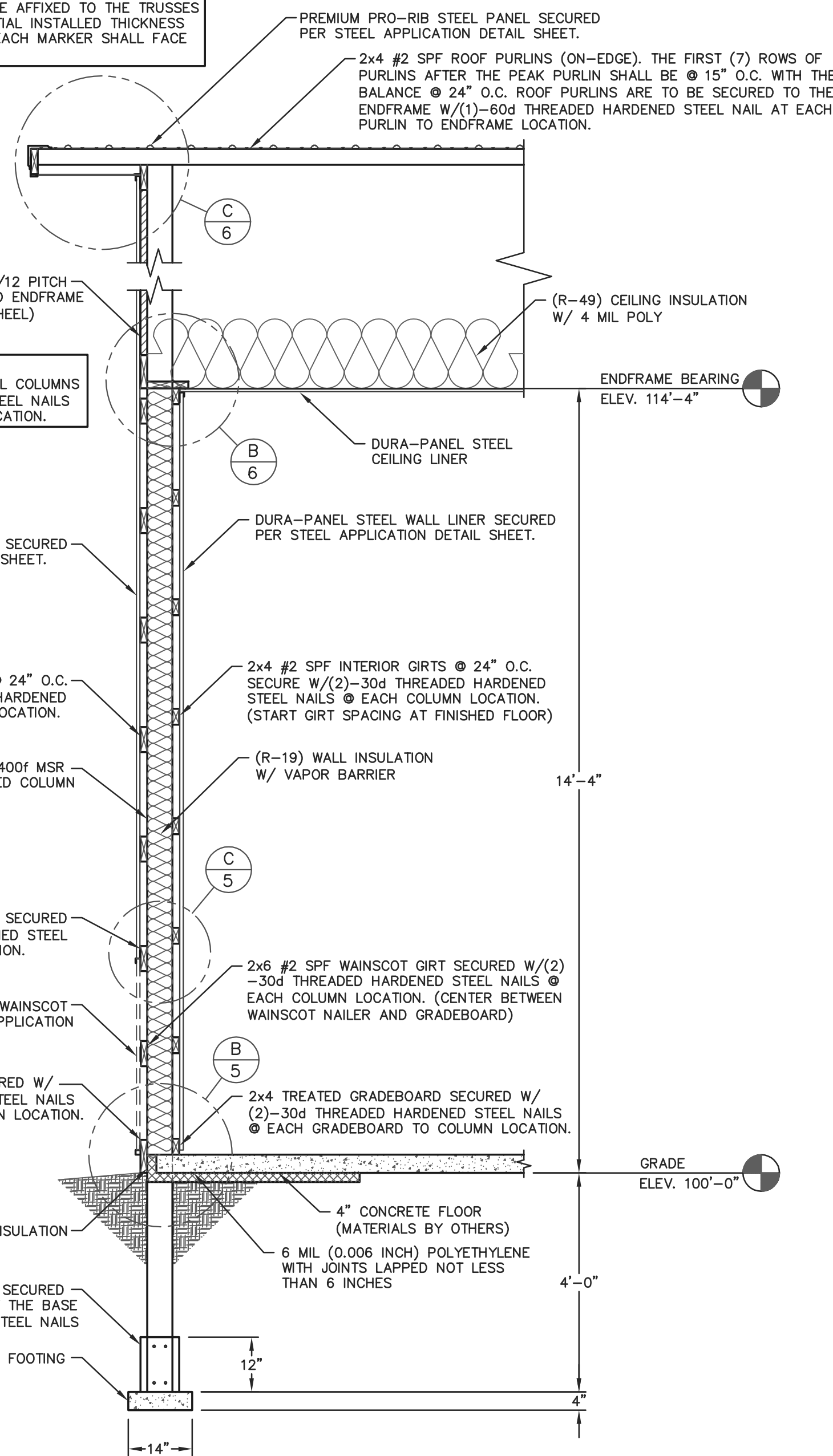


E 6 24" BOXED GABLE @ LEAN-TO DETAIL
SCALE: 1 1/2"=1'-0"



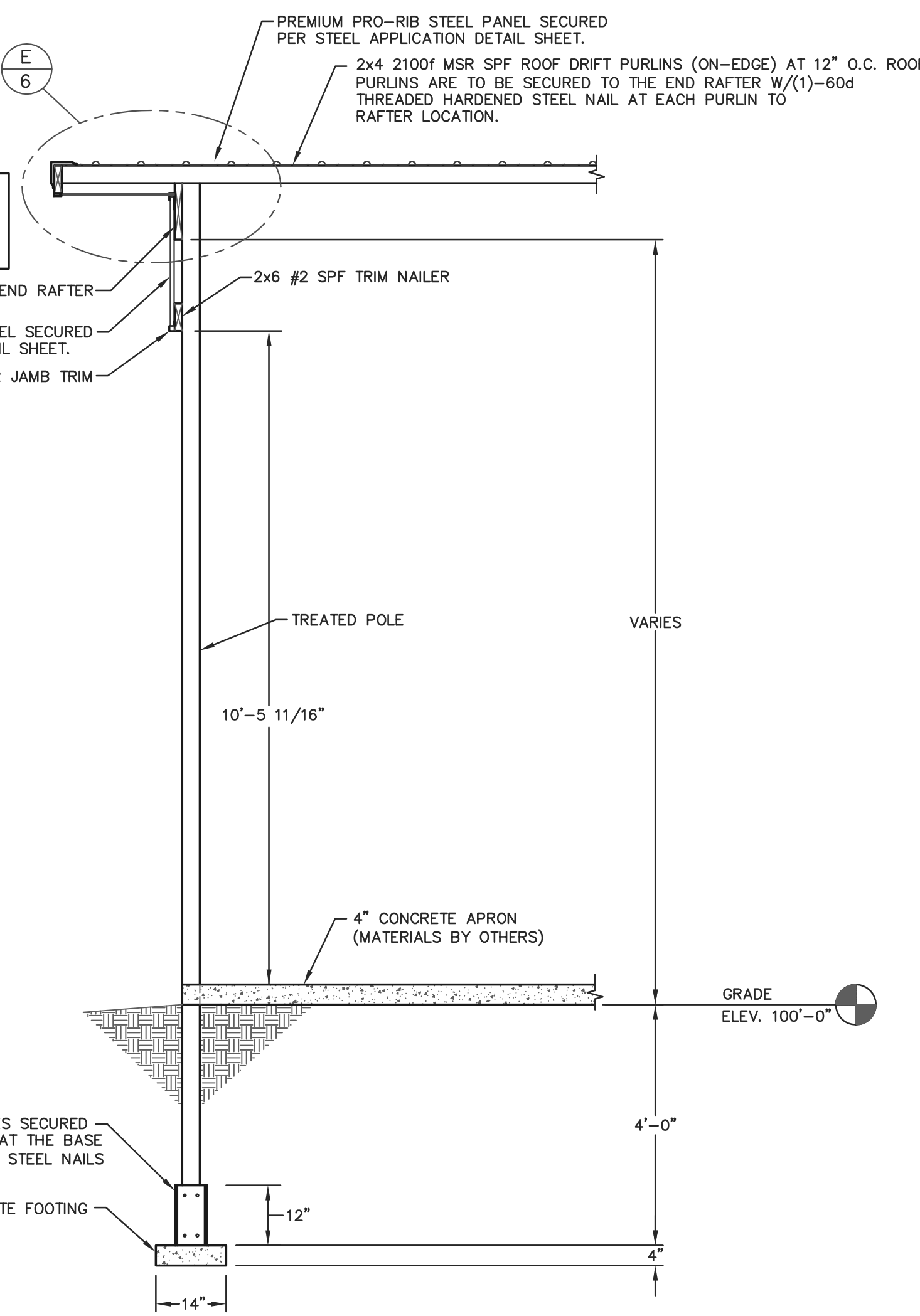
OVERHEAD DOOR JAMB DETAIL
SCALE: 3"=1'-0"

NOTE: OWNER SHALL PROVIDE THICKNESS MARKERS WHICH ARE INSTALLED AT LEAST ONE FOR EVERY 300 SQUARE FEET THROUGHOUT THE ATTIC SPACE IF THE INSULATION IS BLOWN INTO PLACE. THE MARKERS SHALL BE AFFIXED TO THE TRUSSES AND MARKED WITH THE MINIMUM INITIAL INSTALLED THICKNESS AND MINIMUM SETTLED THICKNESS. EACH MARKER SHALL FACE THE ATTIC ACCESS PANEL.

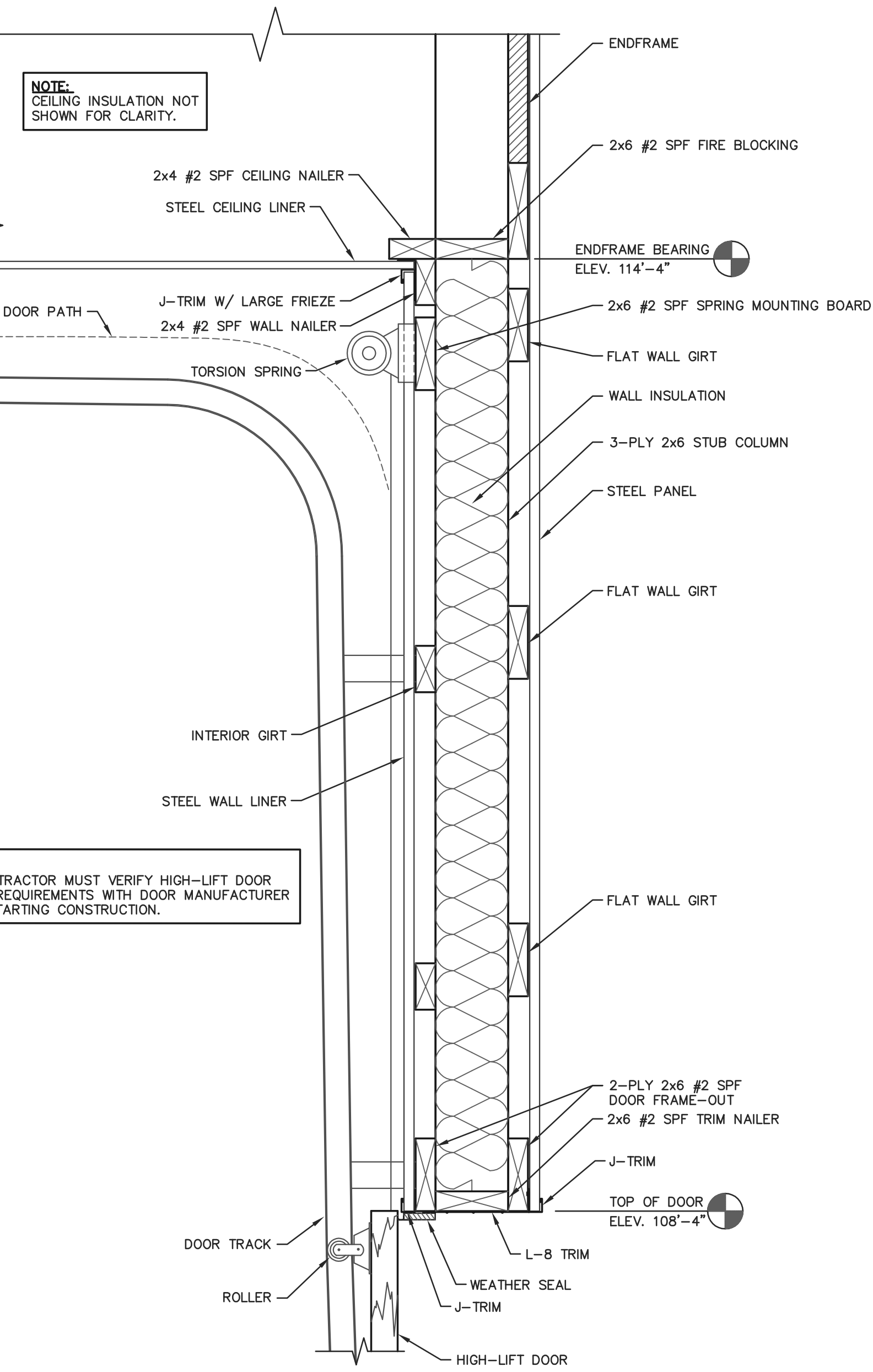


A 6 ENDWALL SECTION
SCALE: 1/2"=1'-0"

NOTE: END RAFTER SECURED TO CORNER POLES W/ (10)-30d T.H.S. NAILS AT EACH END RAFTER TO POLE LOCATION.



D 6 LEAN-TO ENDWALL SECTION
SCALE: 1/2"=1'-0"



12'x8' ENDWALL HIGH-LIFT DOOR FRAME-OUT DETAIL
SCALE: 1 1/2"=1'-0"

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Wisconsin.
Print Name: Nathan D. Peleschak
Signature: Nathan D. Peleschak
Date: 7/2/20 License #: 50824

MM ENGINEERING SERVICES
5311 KANE RD. EAU CLAIRE, WI 54703 (715) 876-6566

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

PROJECT TITLE:

FURBALL FARM
FARIBAULT, MN

PROF. ENGINEER: NATE PELESCHAK
PLAN DESIGNER: LOUISE EWALD
DRAWN BY: APA
DATE: 7/2/2020
SCALE: AS NOTED

REVISIONS

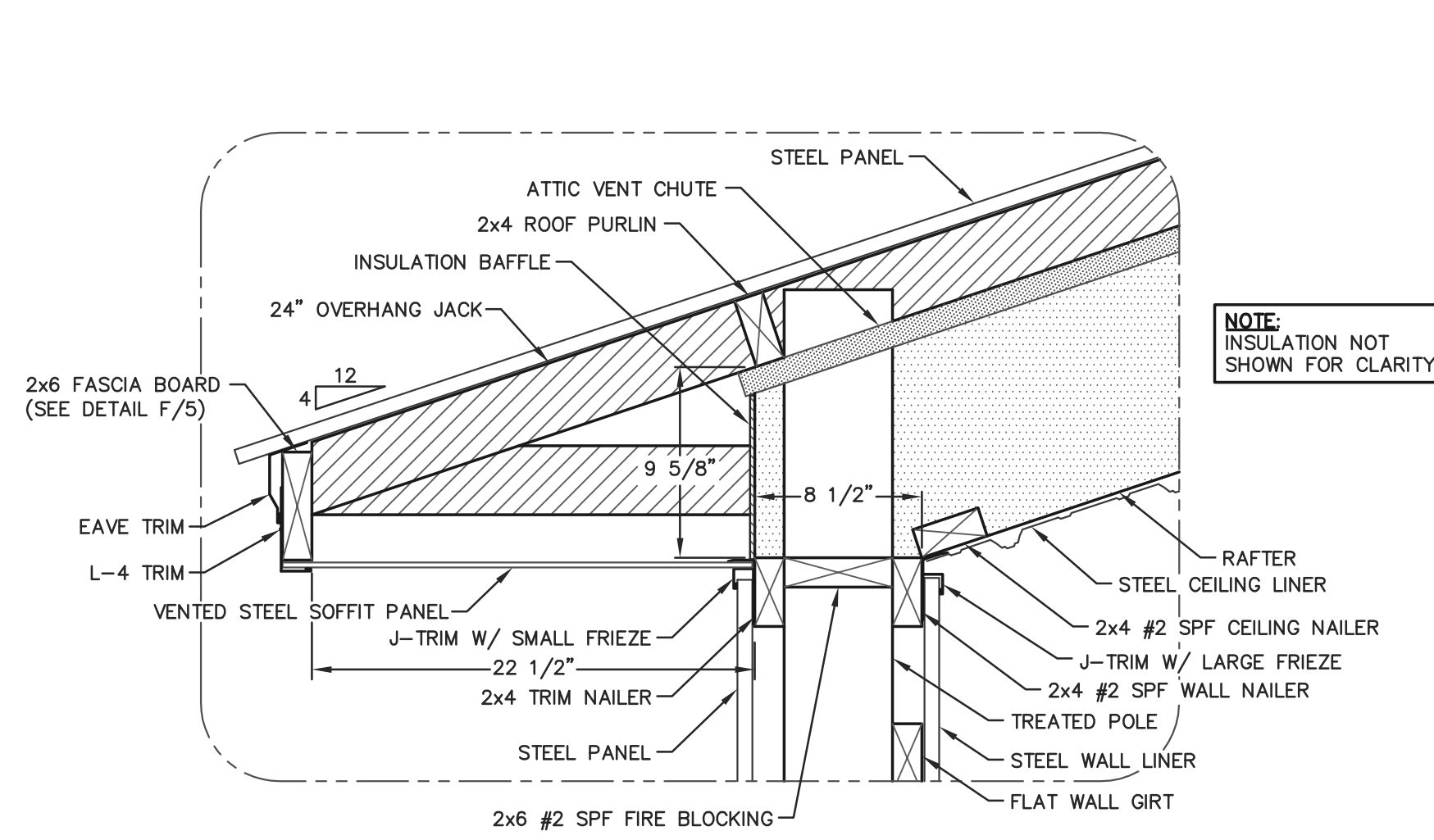
NO	DATE	DESCRIPTION	BY
1			
2			

SHEET TITLE:
ENDWALL SECTIONS, SECTION DETAILS & OVERHEAD DOOR DETAILS

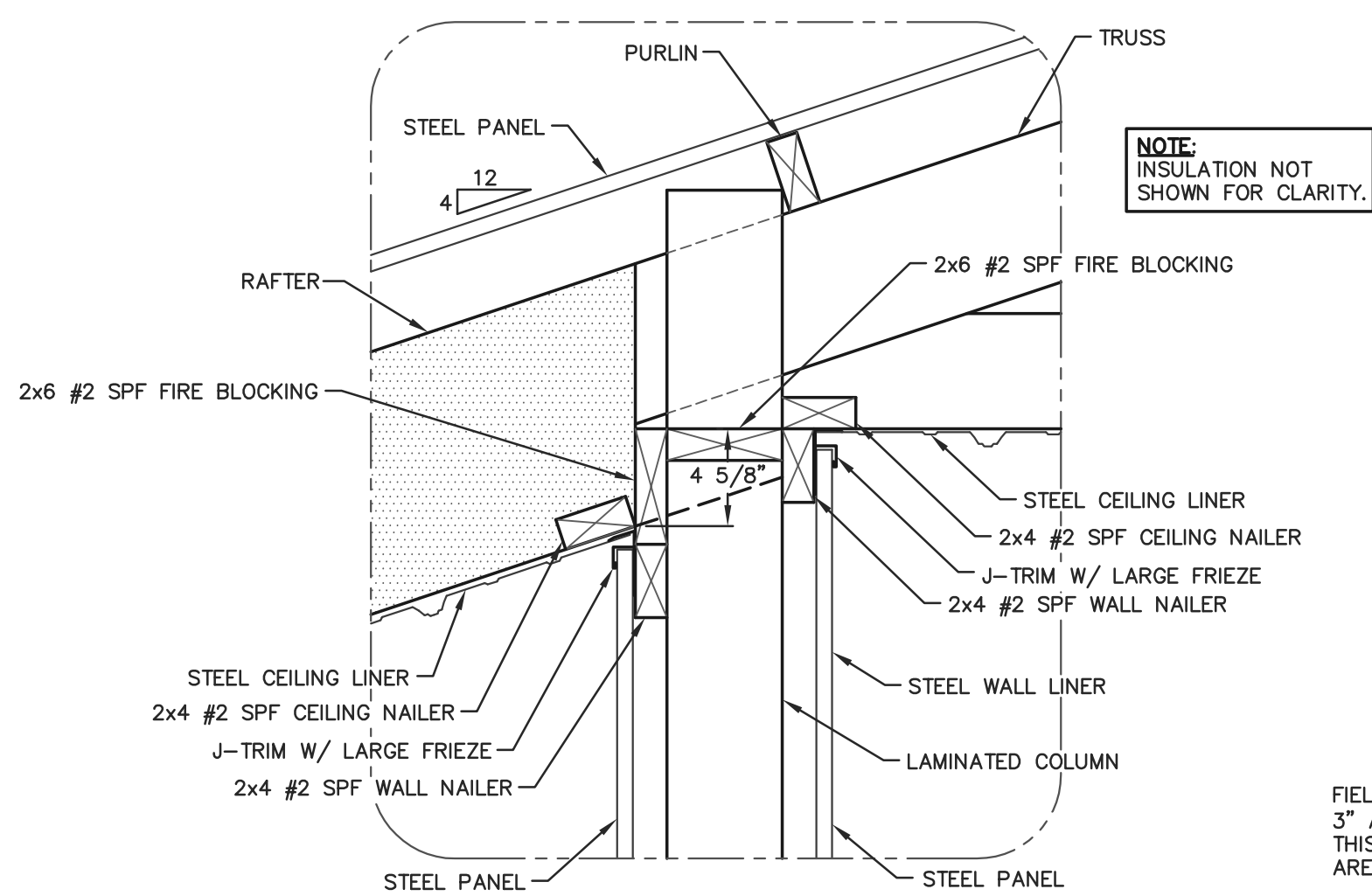
FILE NAME: B14920MM

SHEET NO.

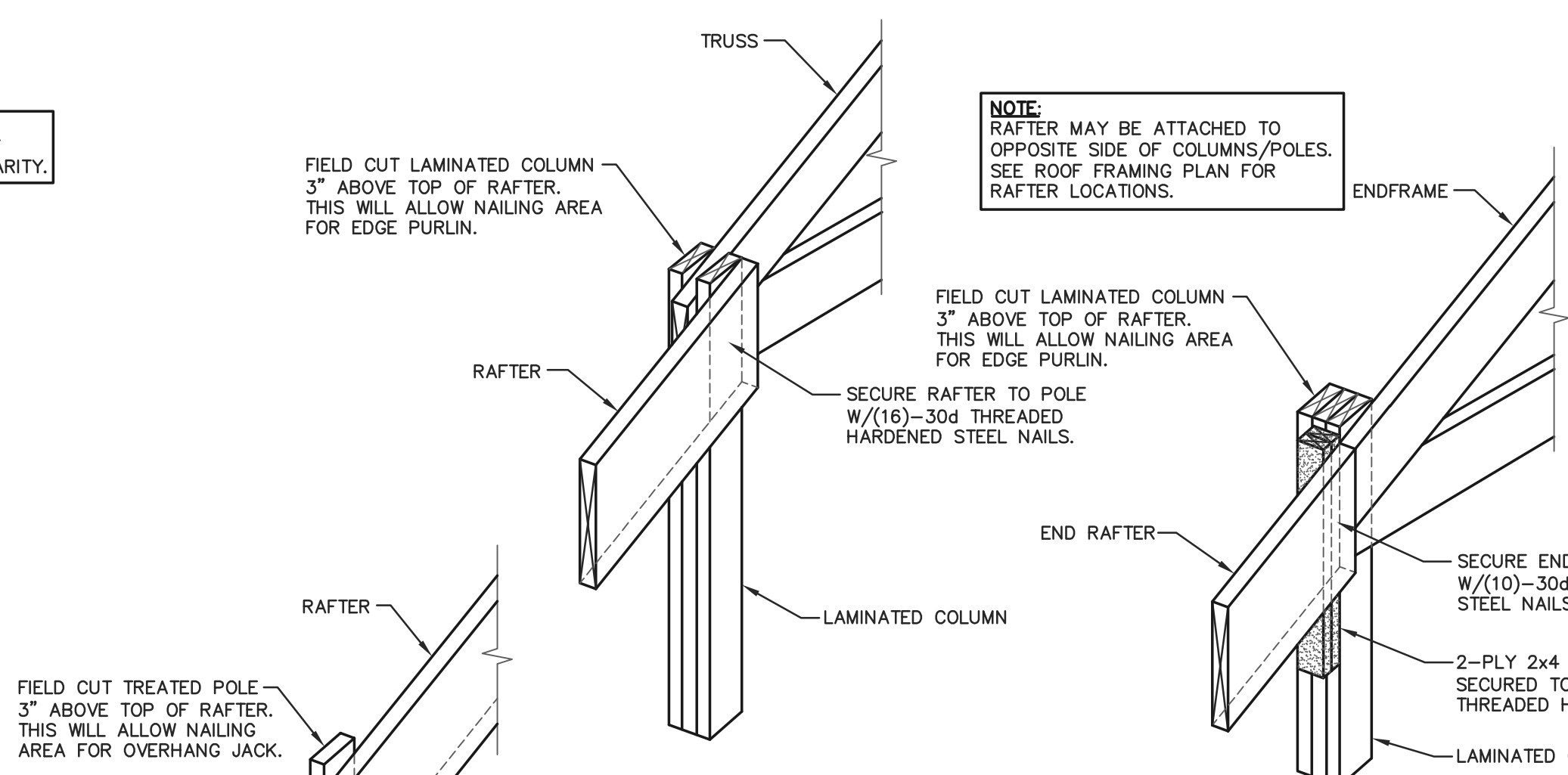
S6



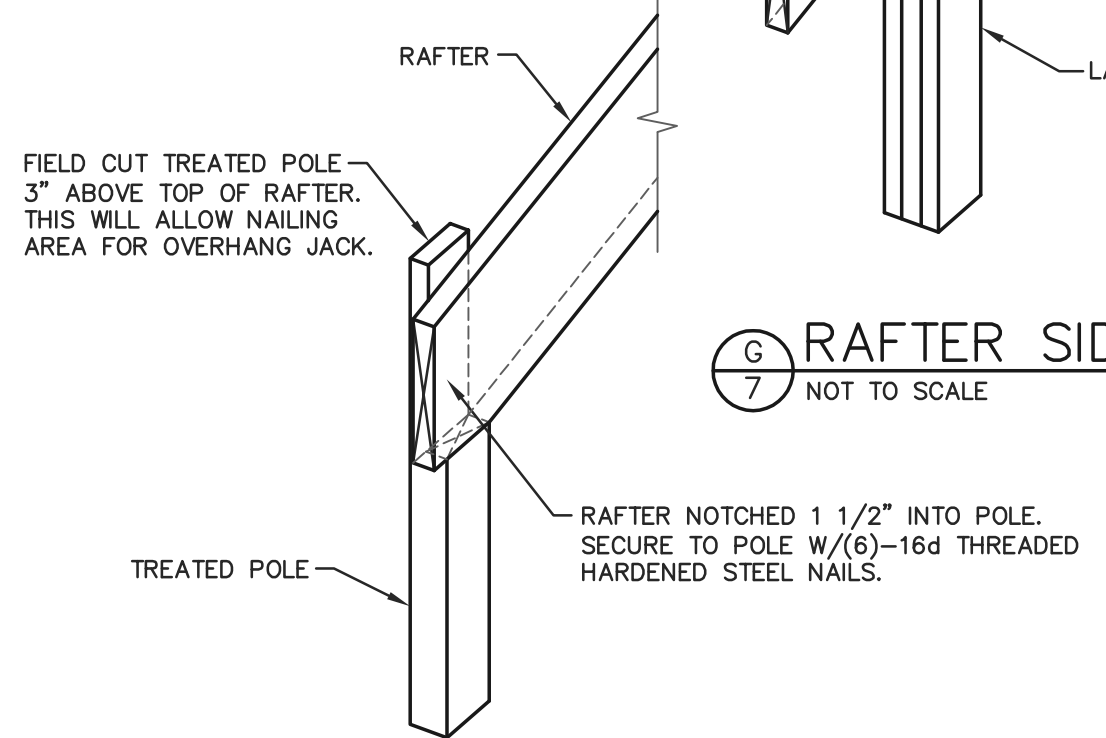
B 24" BOXED EAVE DETAIL
SCALE: 1 1/2"=1'-0"



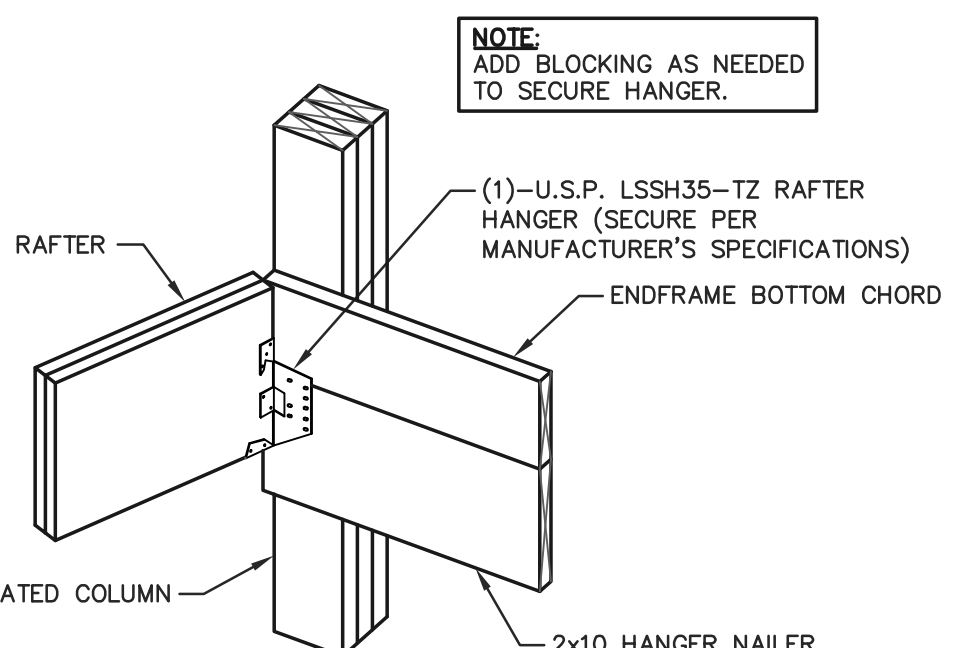
C RAFTER CONNECTION (SIDEWALL)
SCALE: 1 1/2"=1'-0"



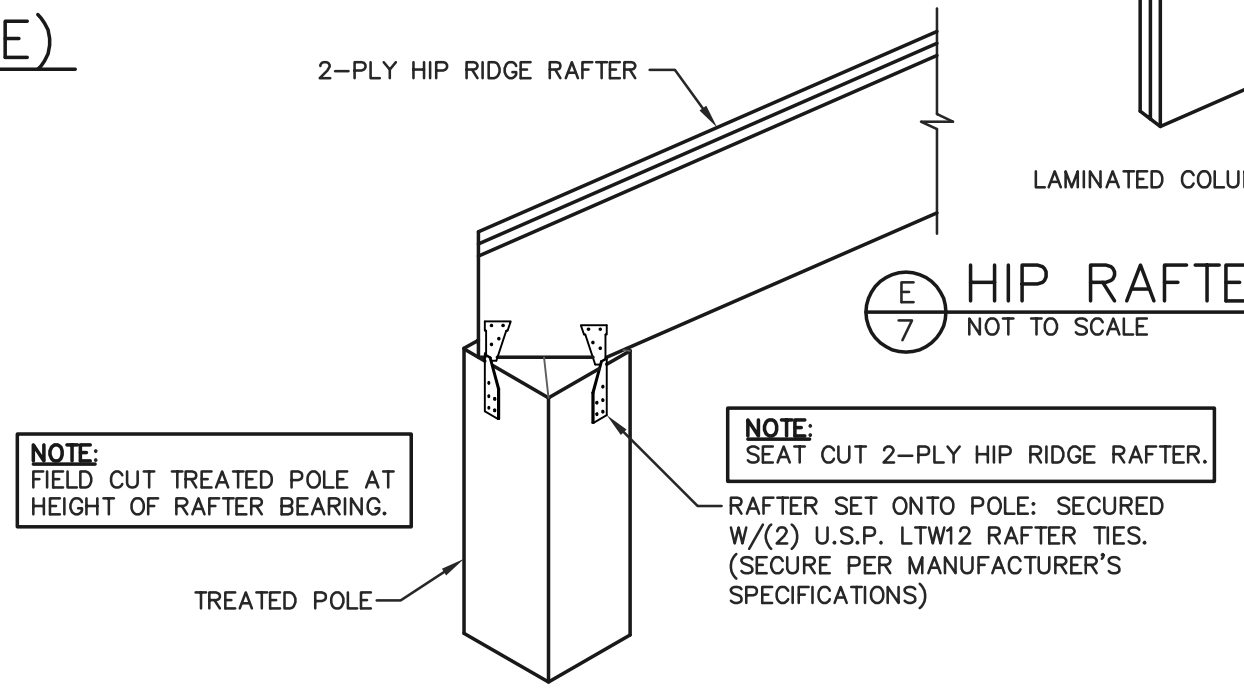
G RAFTER SIDEWALL INSTALLATION (HIGH SIDE)
NOT TO SCALE



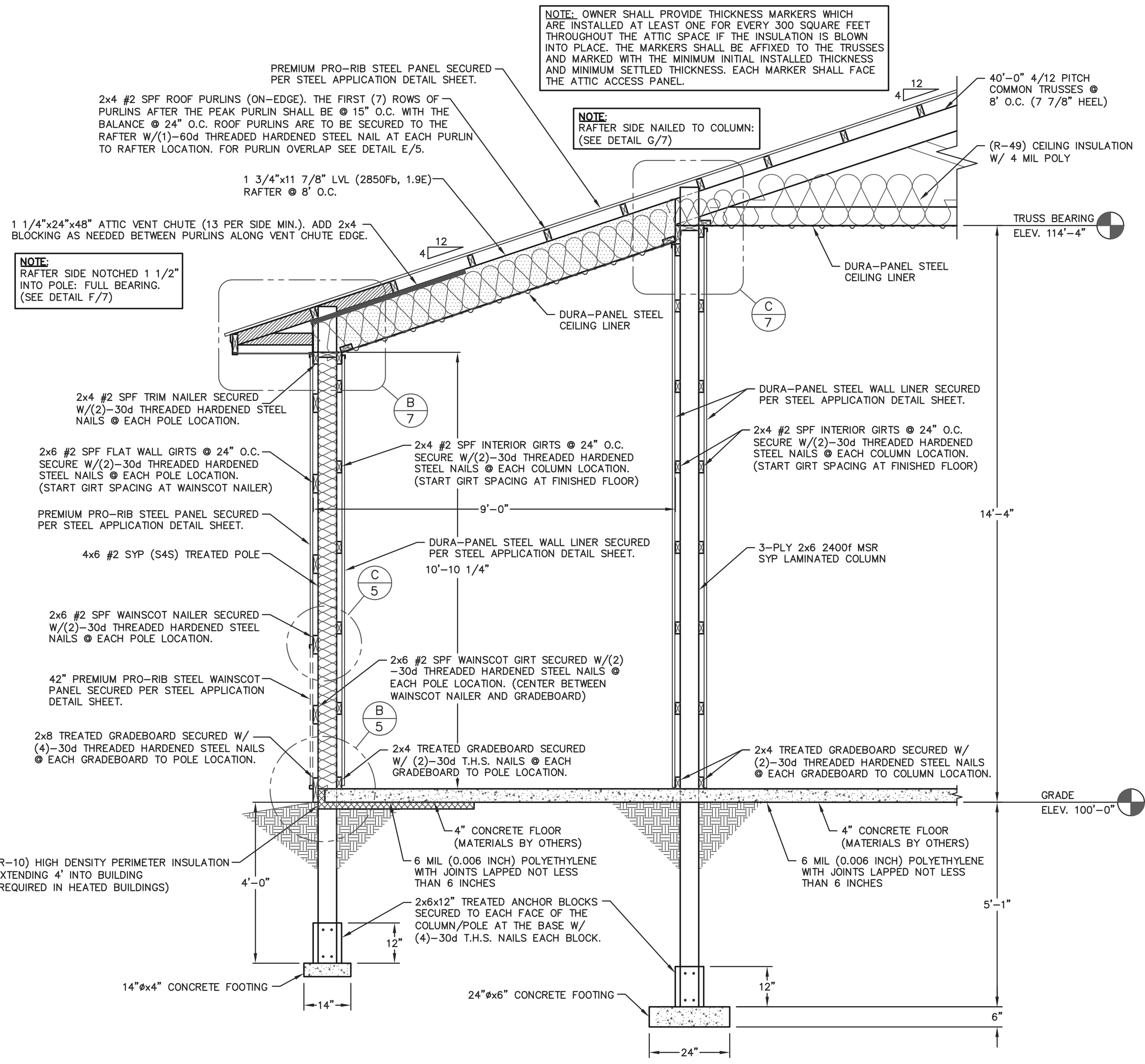
F RAFTER INSTALLATION (LOW SIDE)
NOT TO SCALE



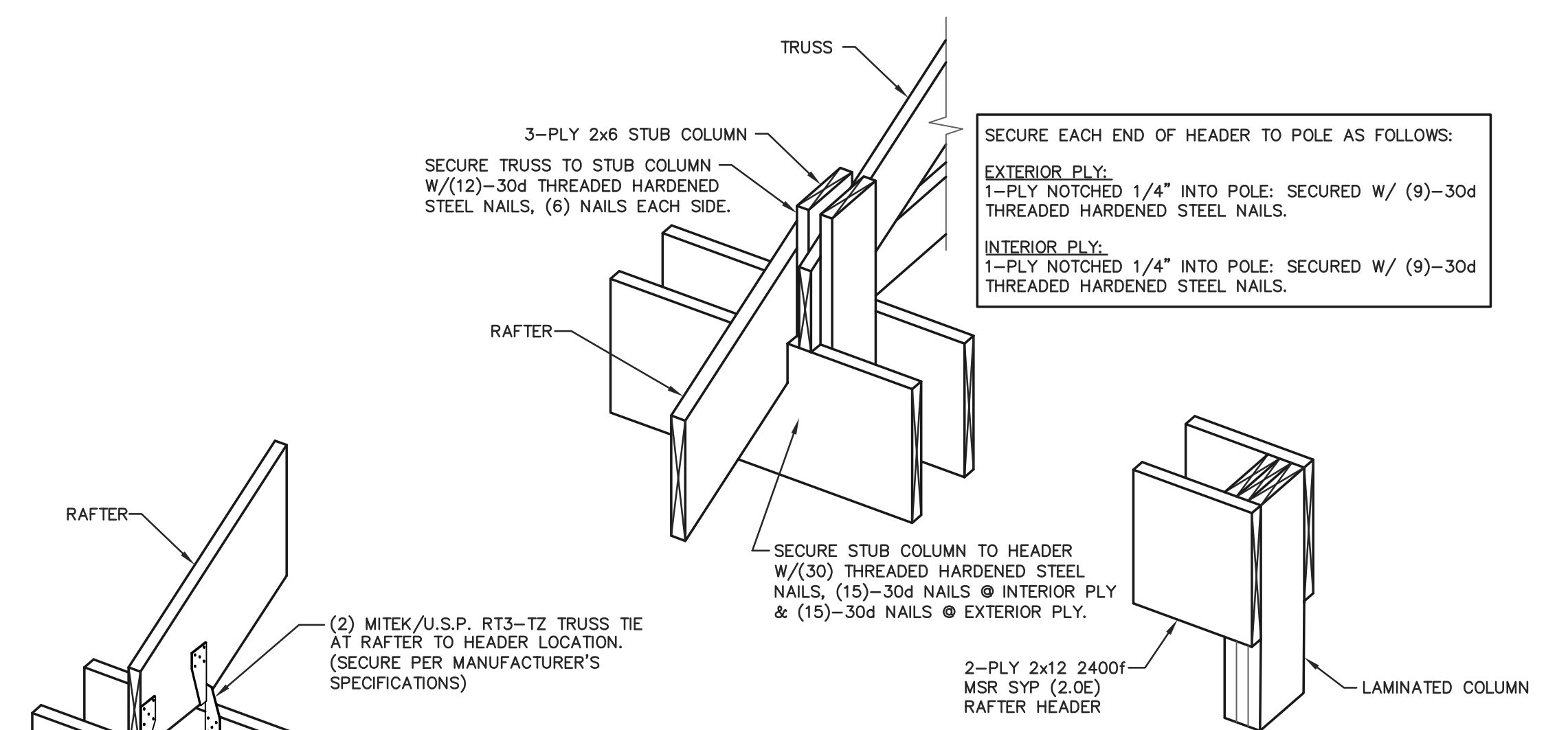
E HIP RAFTER INSTALLATION (HIGH SIDE)
NOT TO SCALE



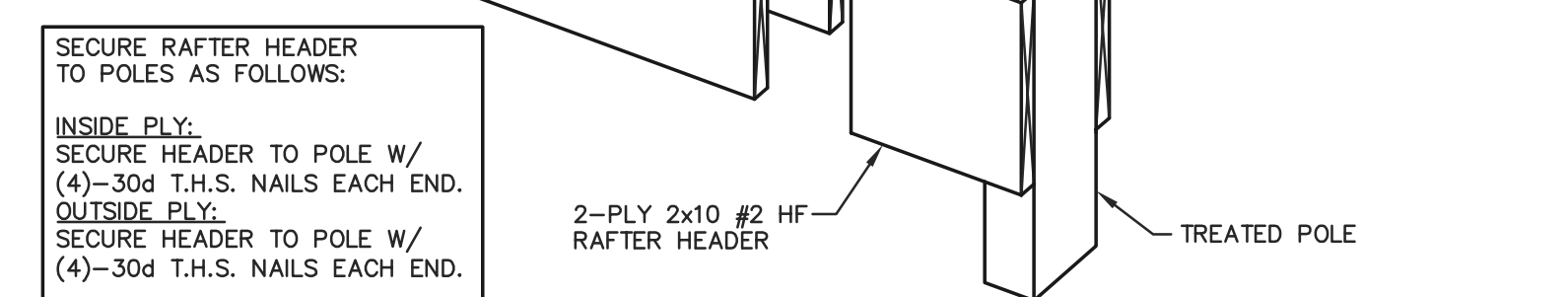
D HIP RAFTER INSTALLATION (LOW SIDE)
NOT TO SCALE



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



H RAFTER HEADER INSTALLATION (HIGH SIDE)
NOT TO SCALE



J RAFTER HEADER INSTALLATION (LOW SIDE)
NOT TO SCALE

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Wisconsin.
Print Name: Nathan D. Peleschak
Signature: Nathan D. Peleschak
Date: 7/2/20 License #: 50824

MM
ENGINEERING SERVICES
5311 KANE RD. KAU CLAIRE, WI 54703 (715) 876-6566

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

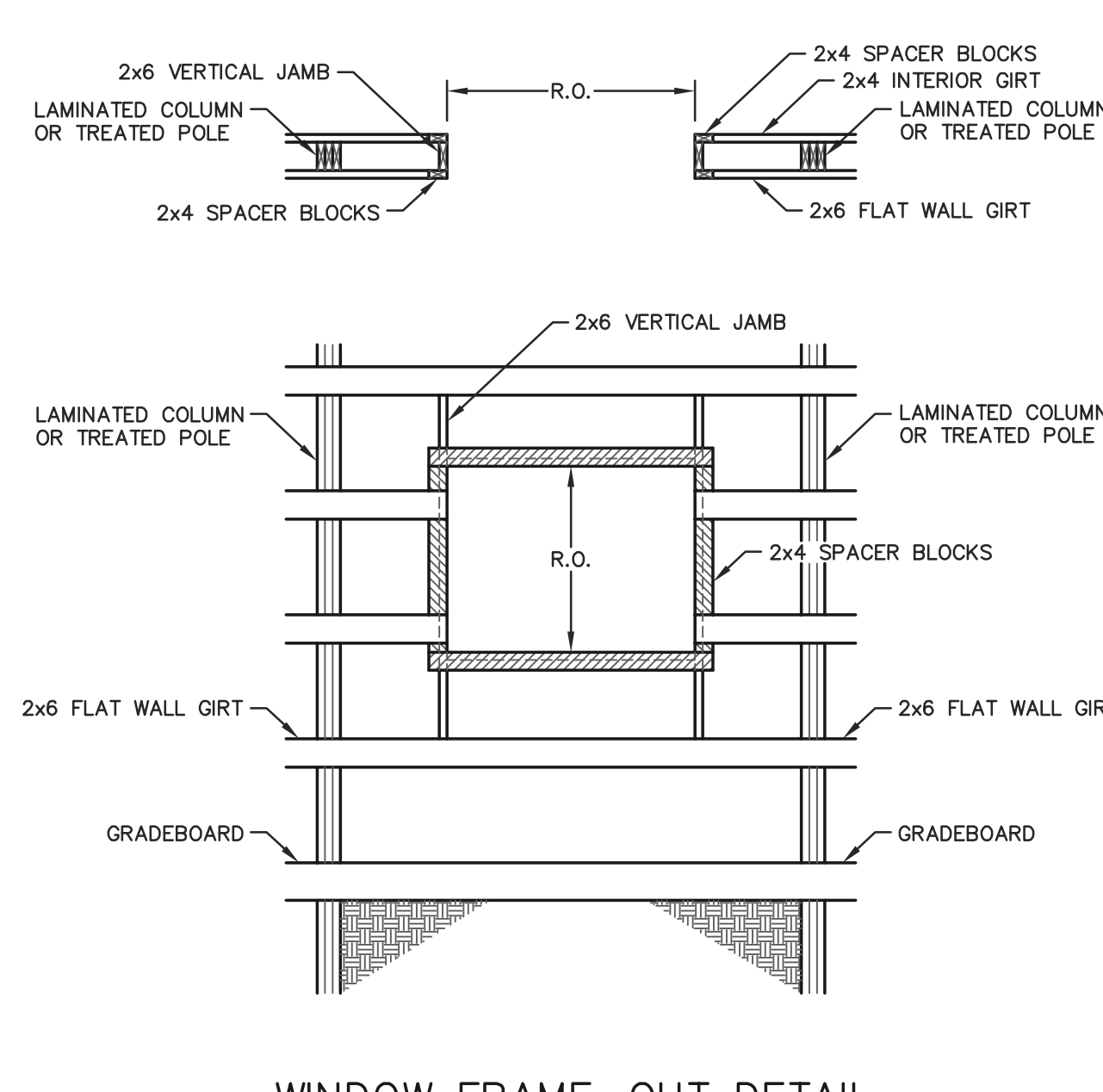
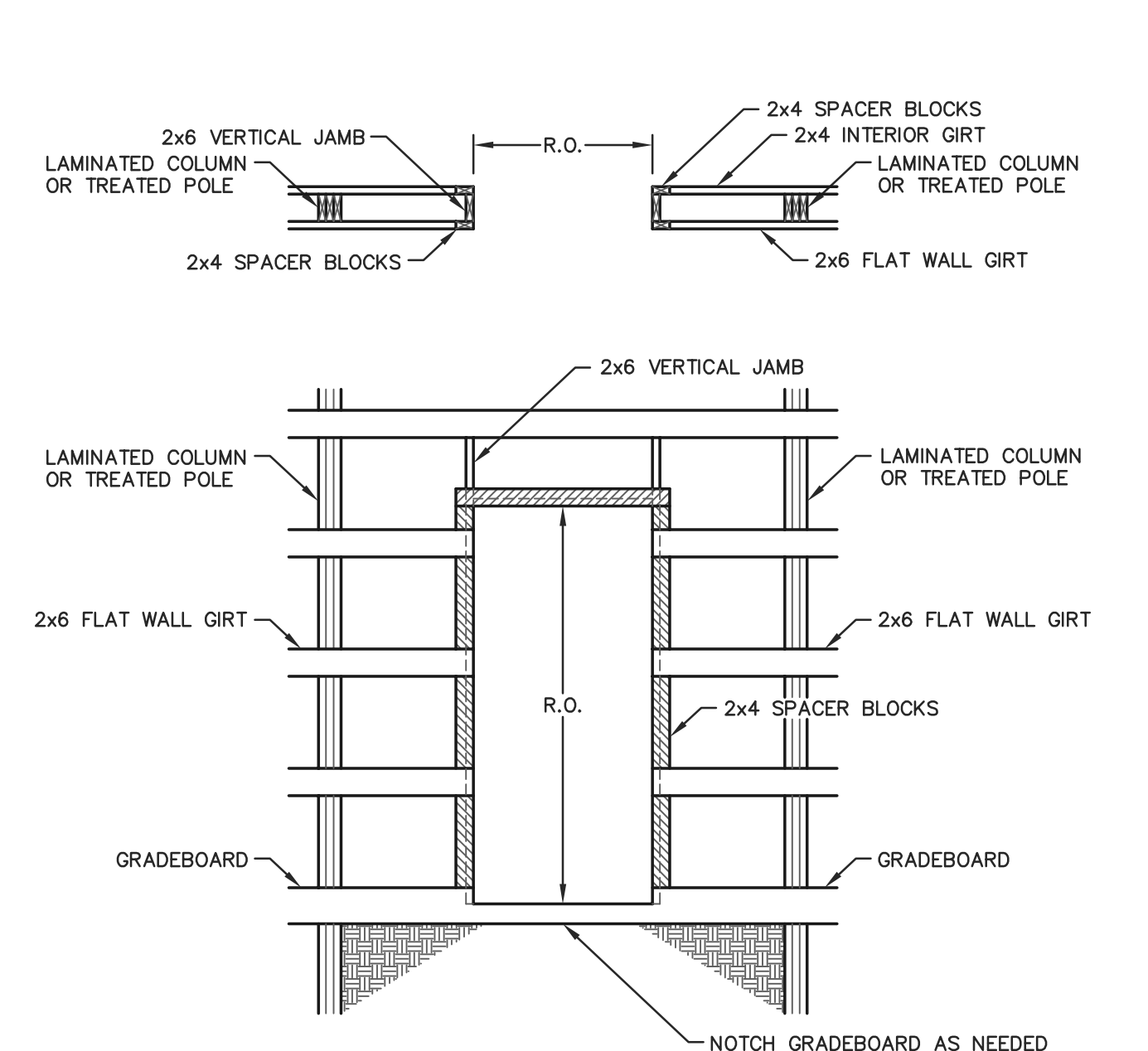
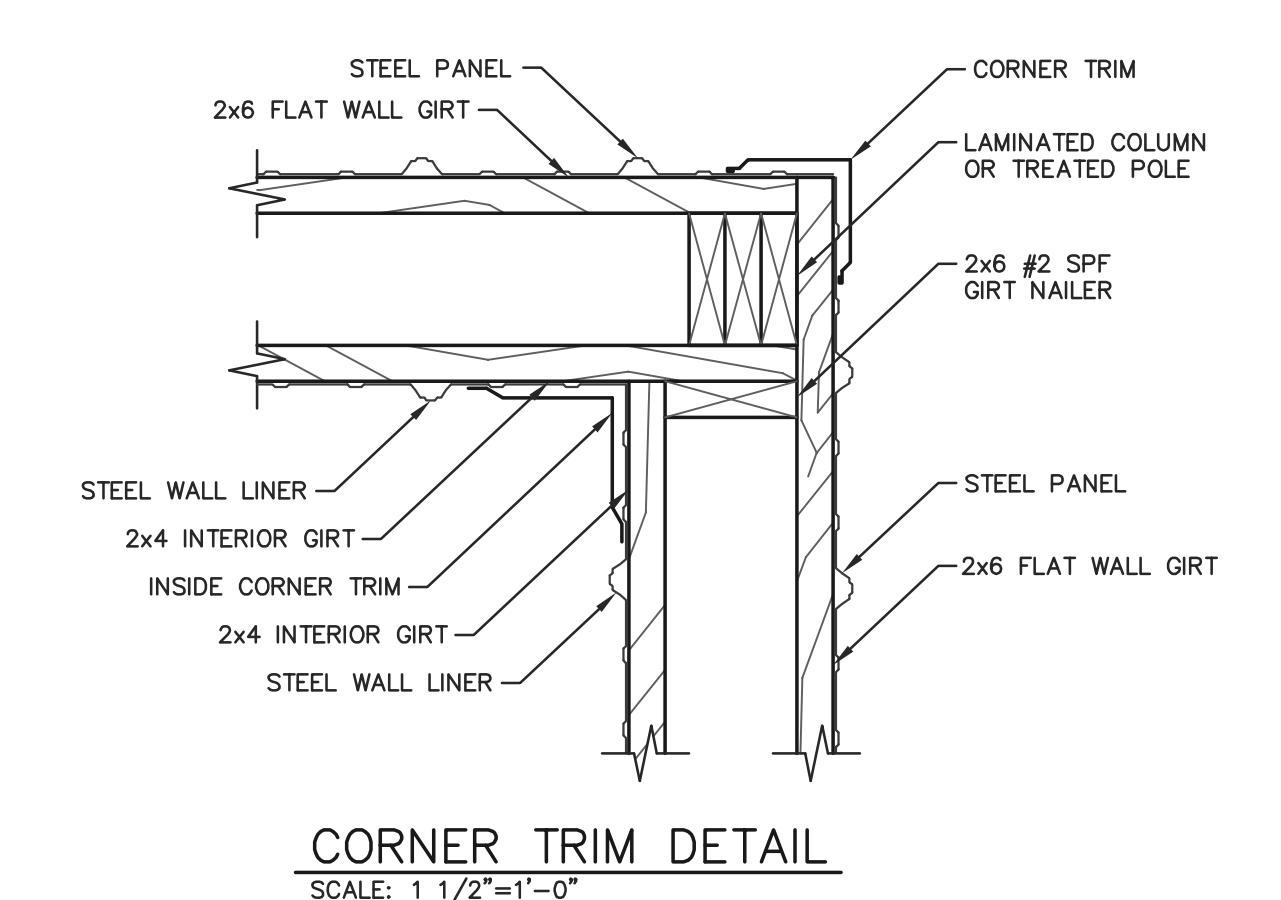
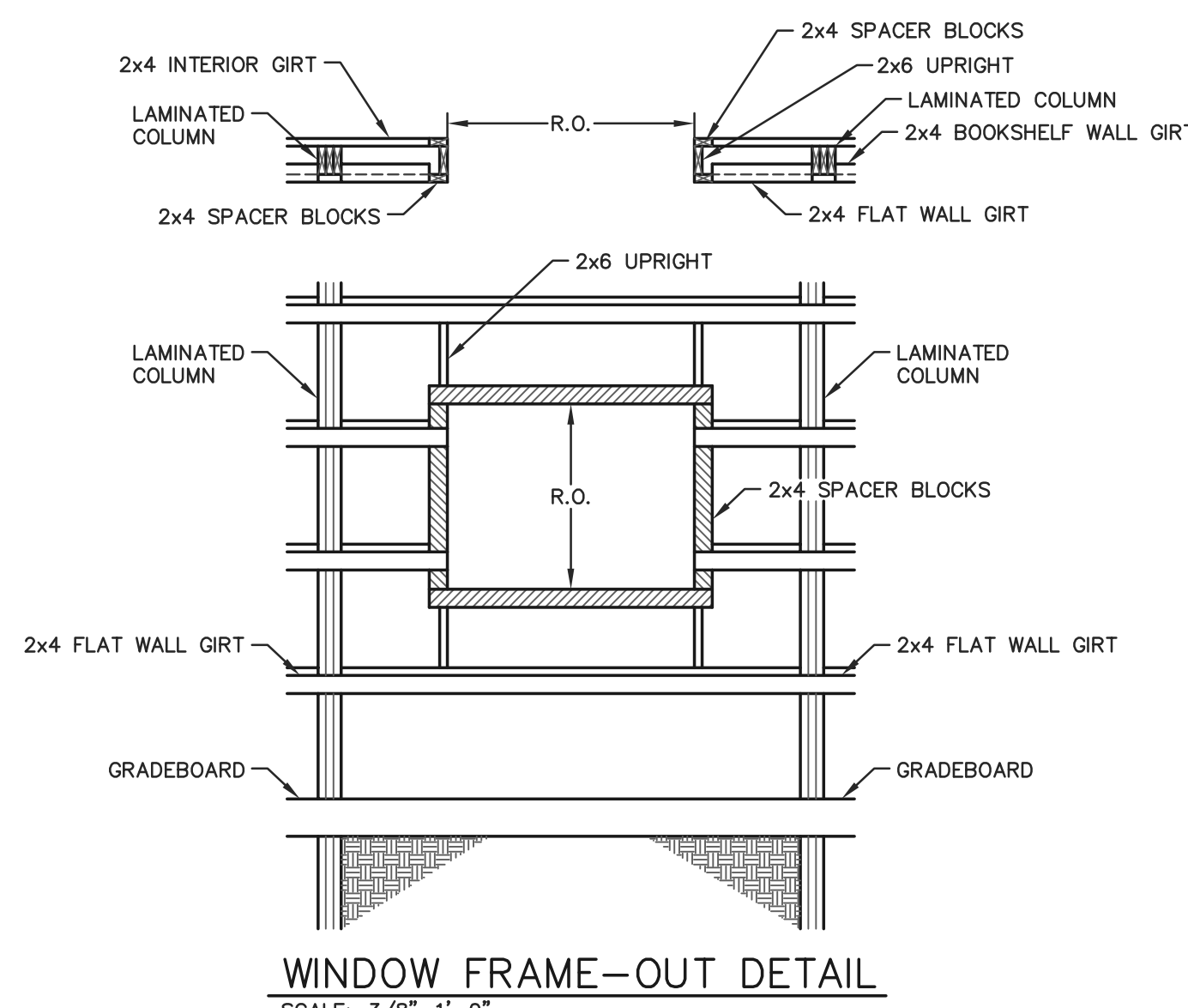
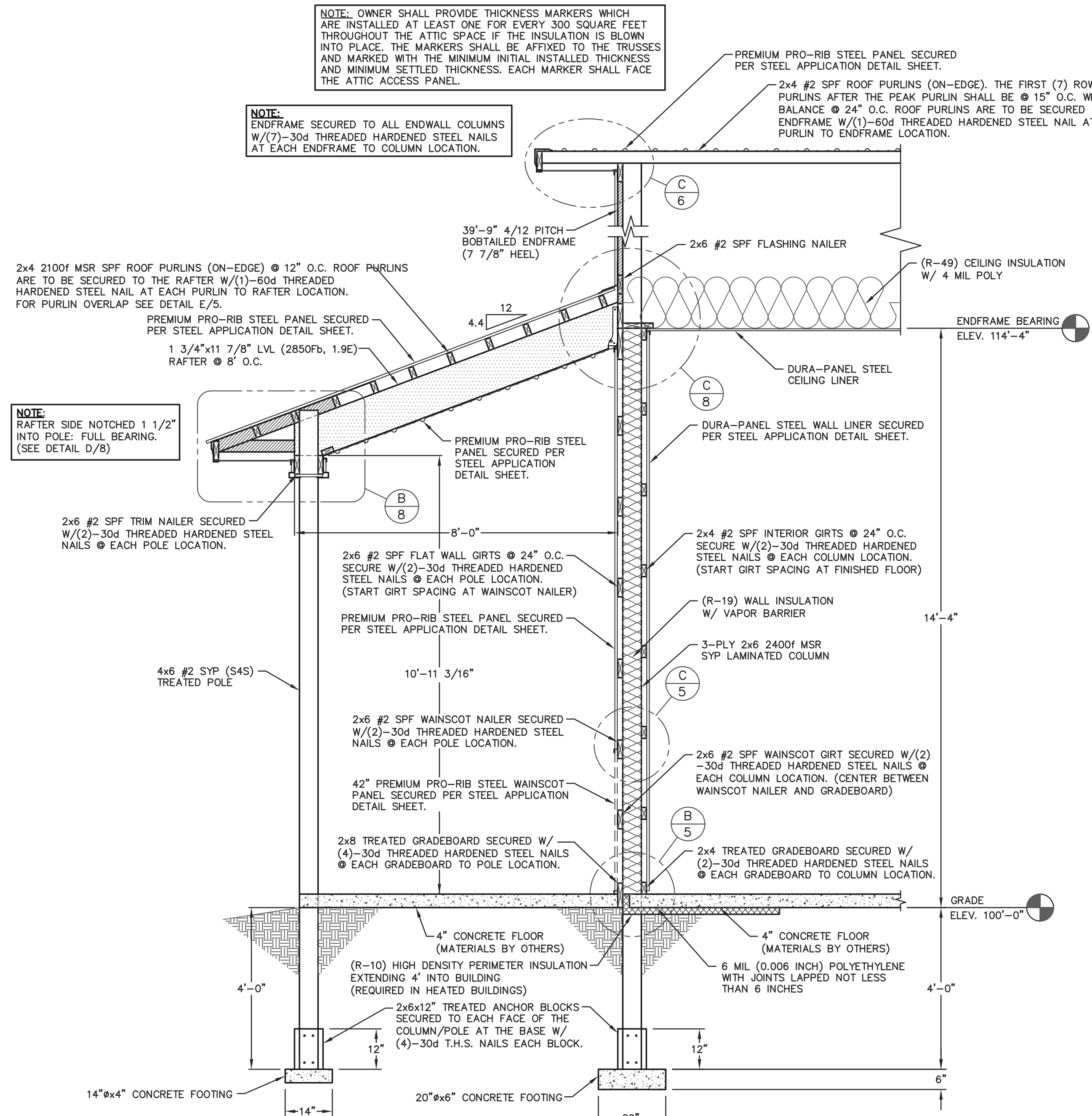
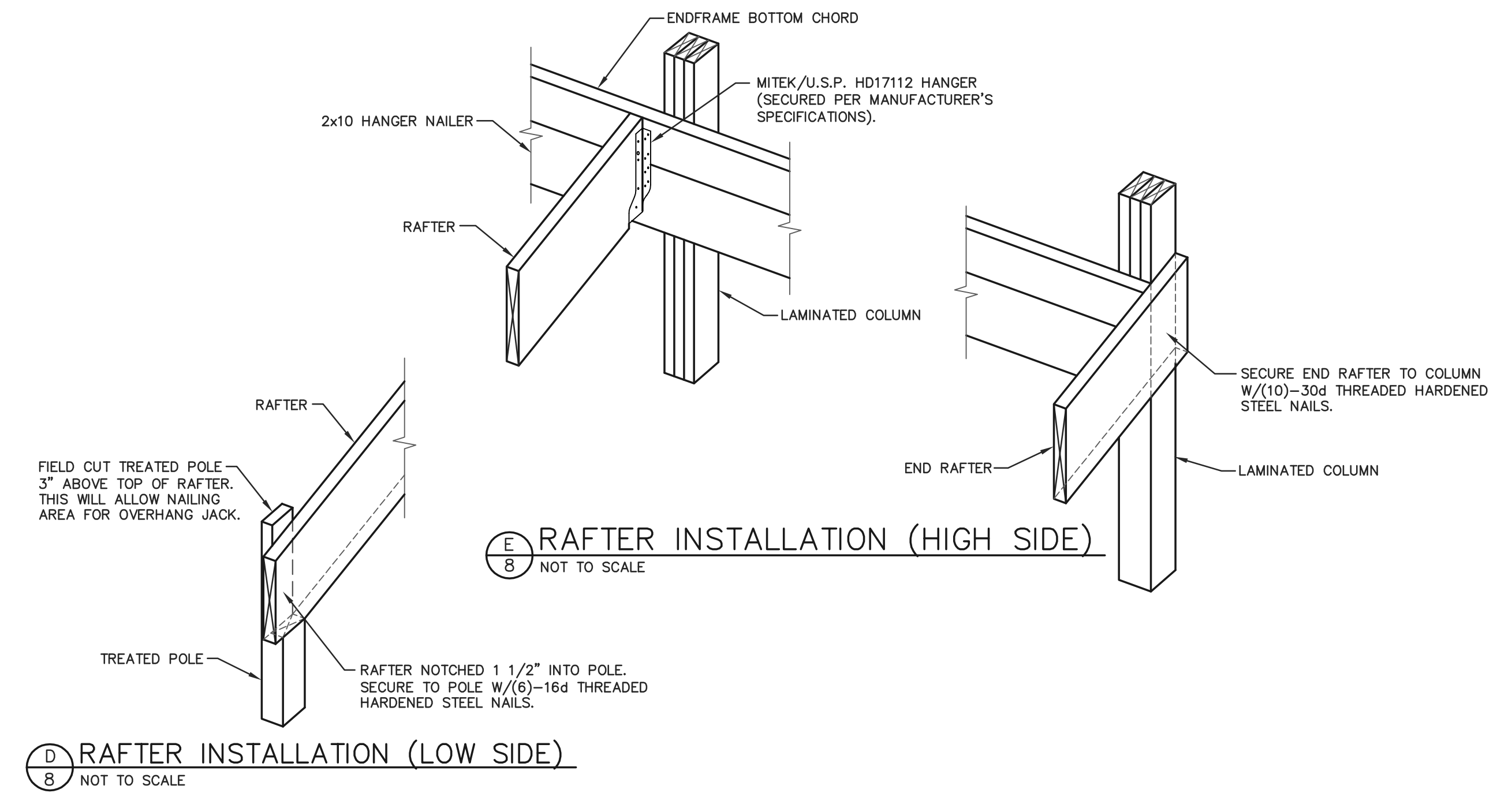
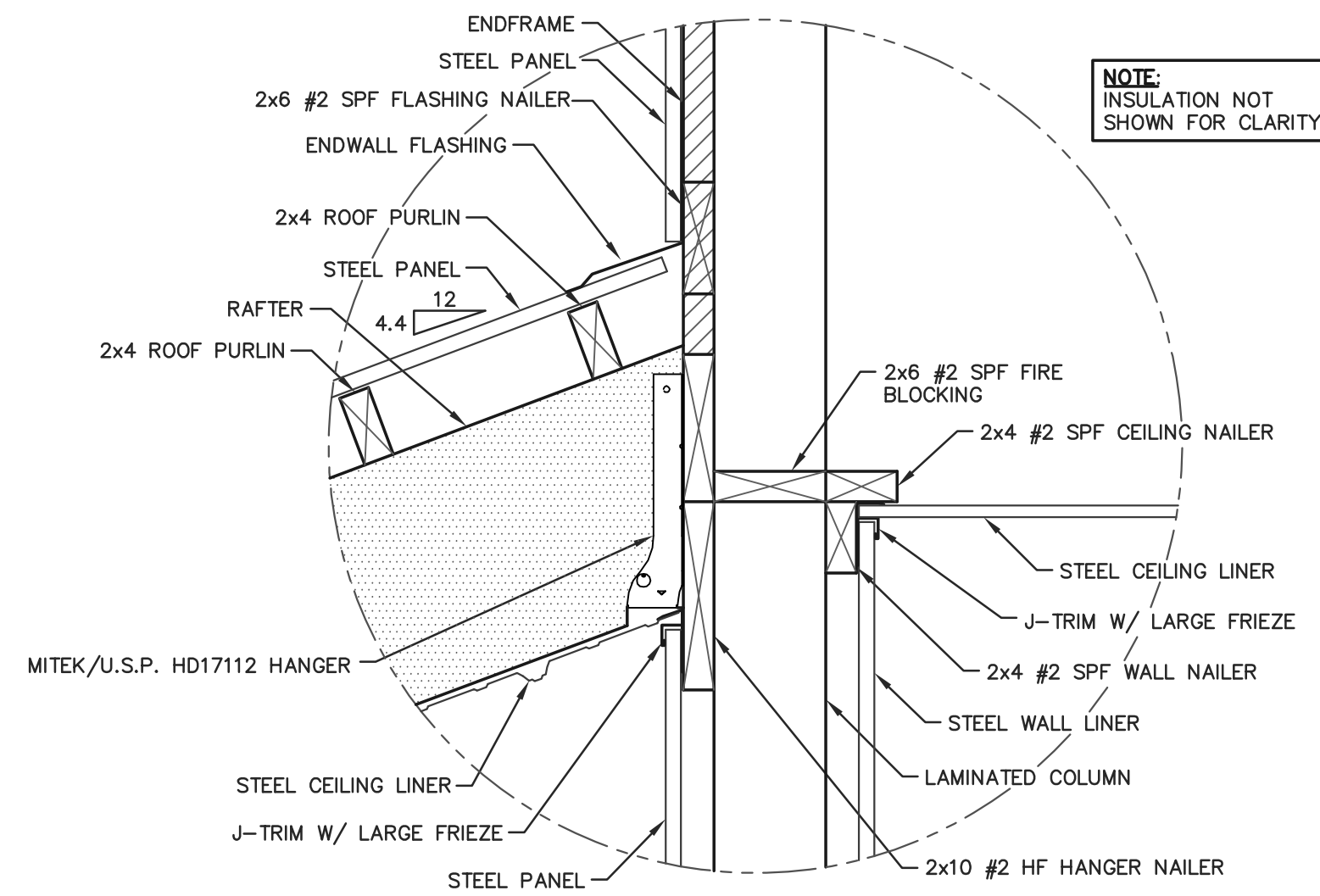
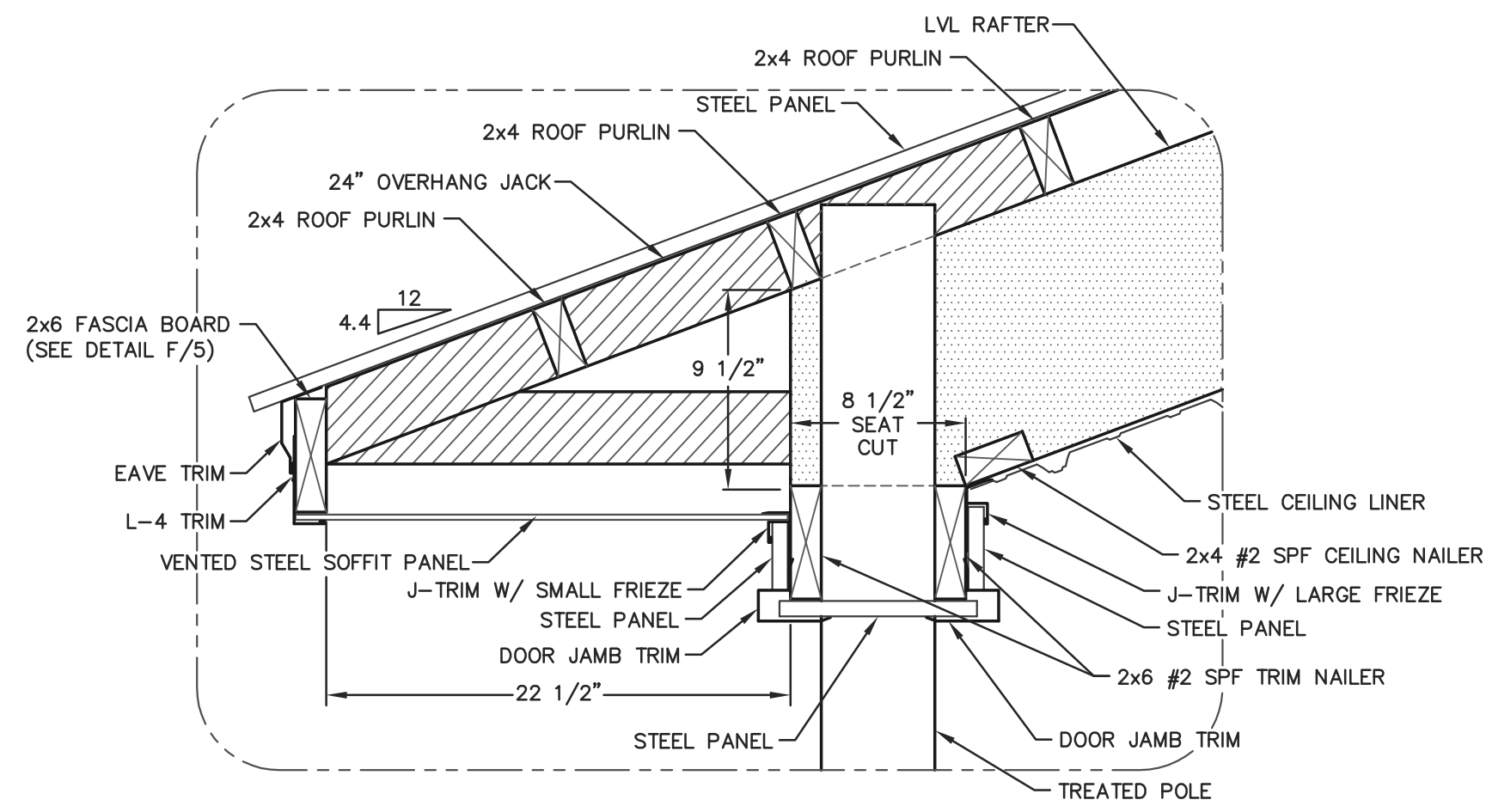
PROJECT TITLE:
FURBALL FARM
FARIBAULT, MN

PROF. ENGINEER: NATE PELESCHAK
PLAN DESIGNER: LOUISE EWALD
DRAWN BY: APA
DATE: 7/2/2020
SCALE: AS NOTED

REVISIONS		
NO	DATE	DESCRIPTION
1		
2		

SHEET TITLE:
SIDEWALL SECTION @ LEAN-TO & DETAILS
FILE NAME: B14920M
SHEET NO.

S7



I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Print Name: Nathan D. Peleschak
Signature: Nathan D. Peleschak
Date: 7/2/20 License #: 50824

MM
ENGINEERING SERVICES
6311 KANE RD. KAU CLAIRE, WI 54703 (715) 876-6566

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

PROJECT TITLE:
FURBALL FARM
FARIBAULT, MN

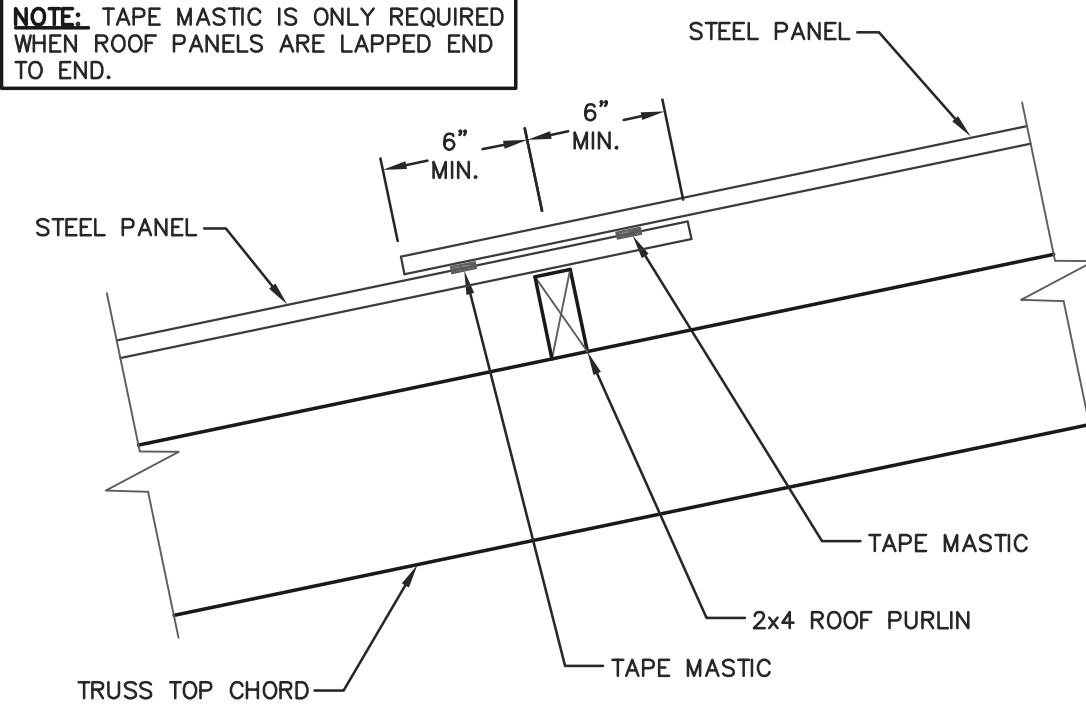
PROF. ENGINEER: NATE PELESCHAK
PLAN DESIGNER: LOUISE EWALD
DRAWN BY: APA
DATE: 7/2/2020
SCALE: AS NOTED

REVISIONS			
NO	DATE	DESCRIPTION	BY
1			
2			

SHEET TITLE:
ENDWALL SECTION @ LEAN-TO & DETAILS

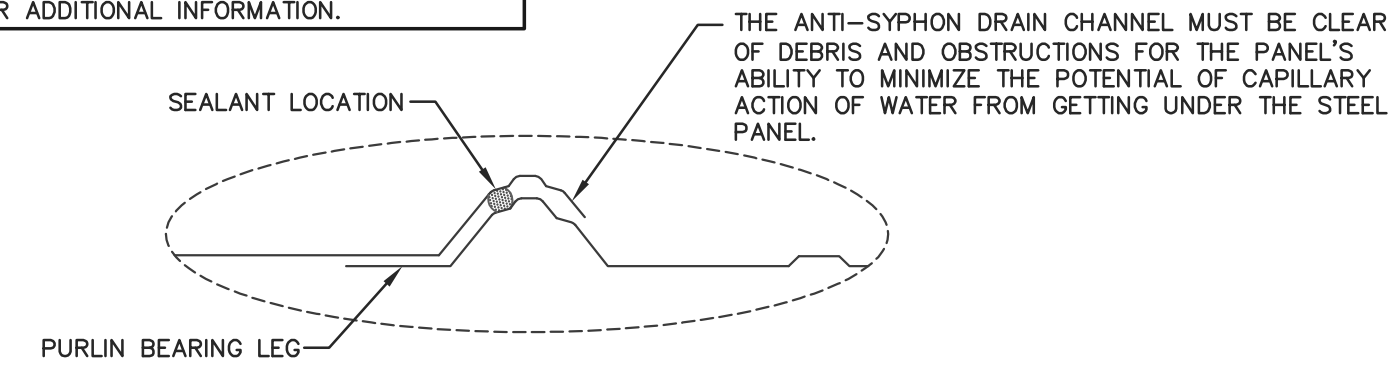
FILE NAME: B14920M
SHEET NO. **S8**

NOTE: TAPE MASTIC IS ONLY REQUIRED WHEN ROOF PANELS ARE LAPPED END TO END.

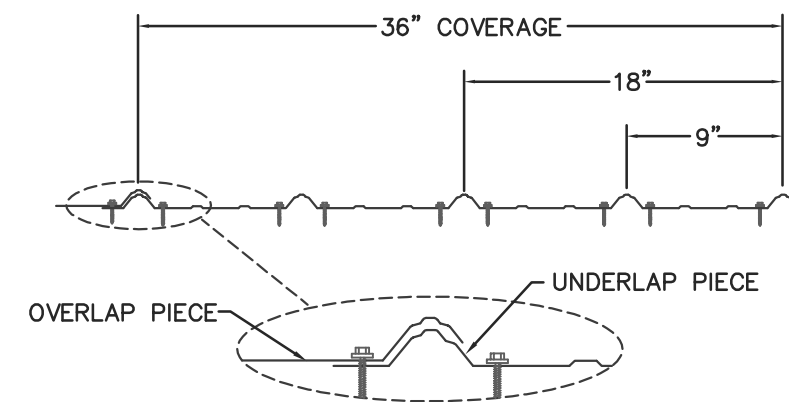


TAPE MASTIC DETAIL
SCALE: 1 1/2" = 1'-0"

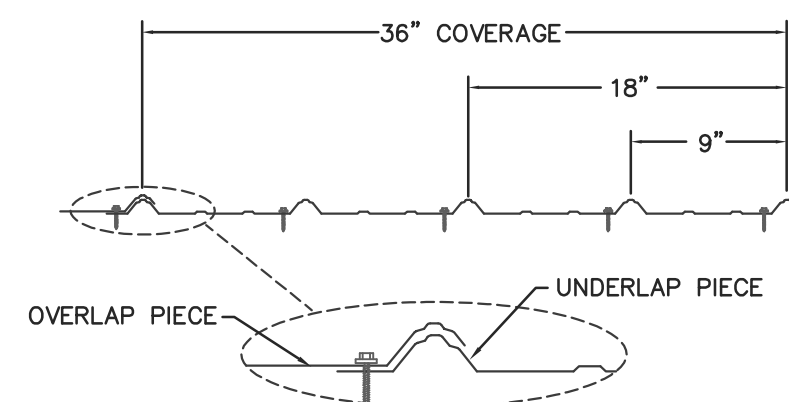
NOTE: BEAD MASTIC IS REQUIRED FOR LOW SLOPED ROOFS ONLY. SEE IBC CHAPTER 15 FOR ADDITIONAL INFORMATION.



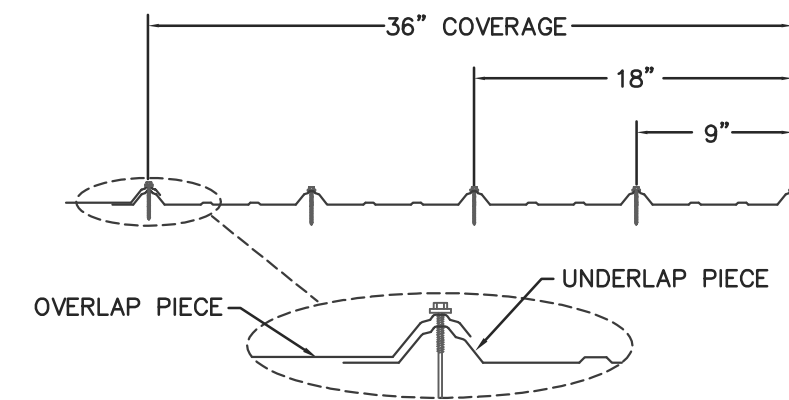
BEAD MASTIC DETAIL
NOT TO SCALE



PANEL END STEEL LAP DETAIL
NOT TO SCALE



WALL STEEL LAP DETAIL
NOT TO SCALE

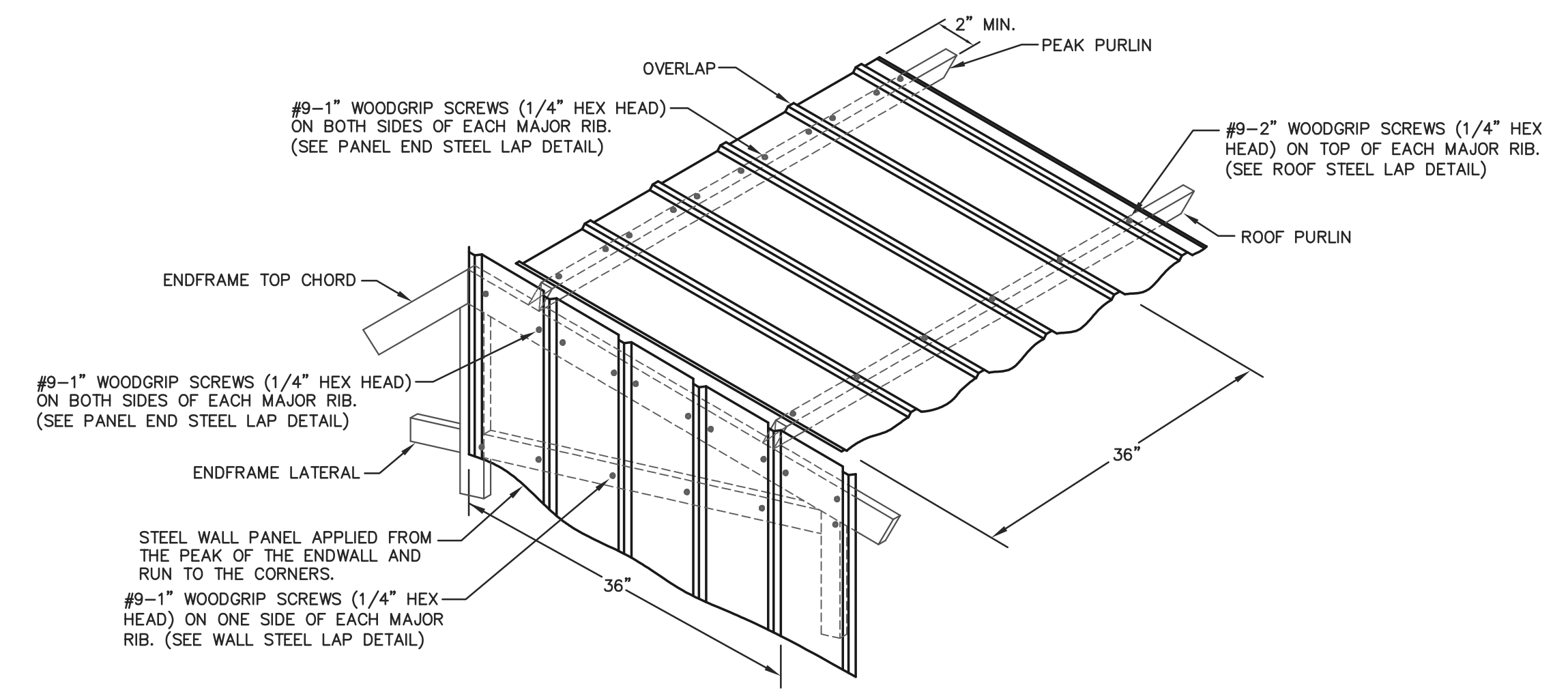
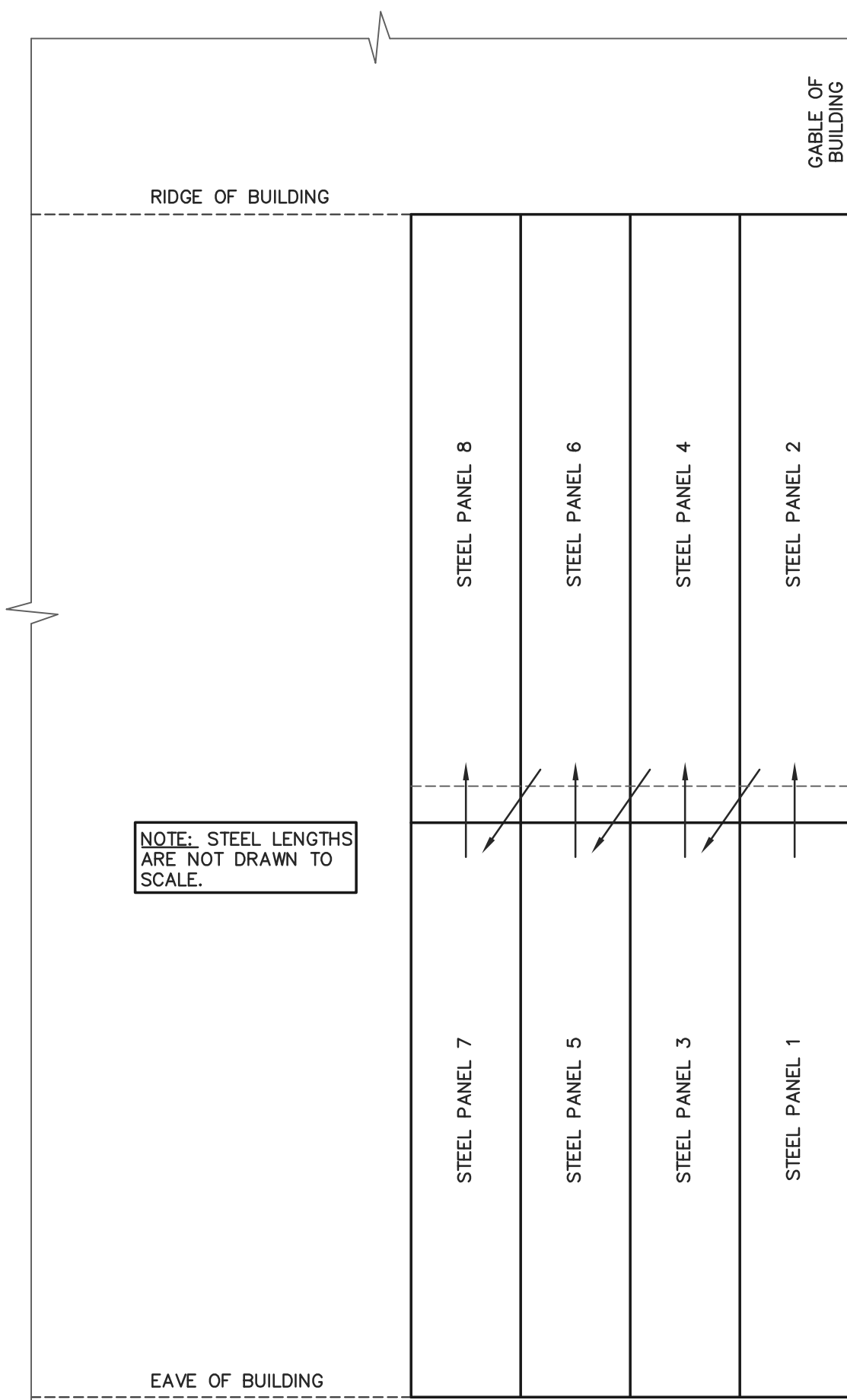


ROOF STEEL LAP DETAIL
NOT TO SCALE

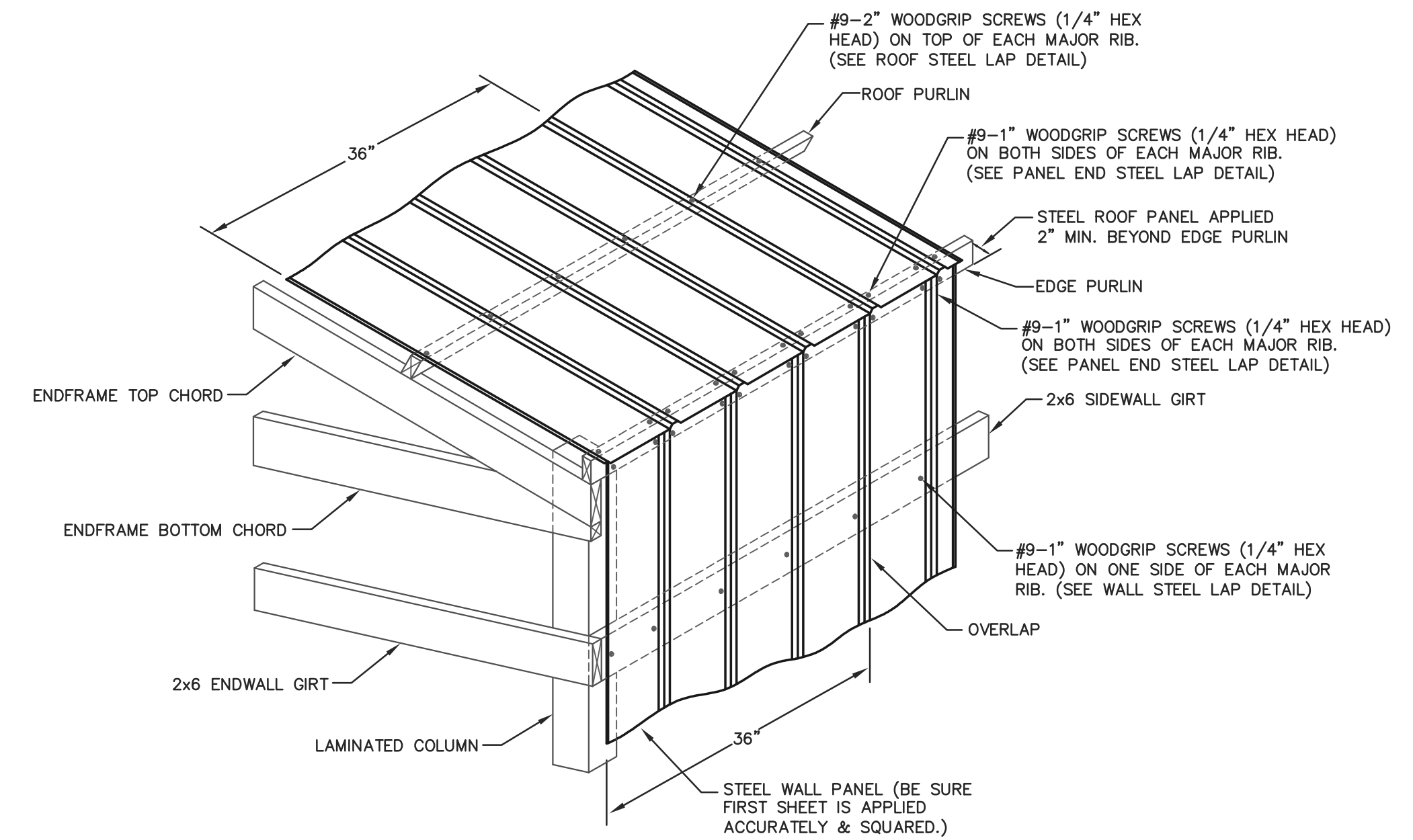
STEEL PANEL INSTALLATION GENERAL NOTES:

- 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.

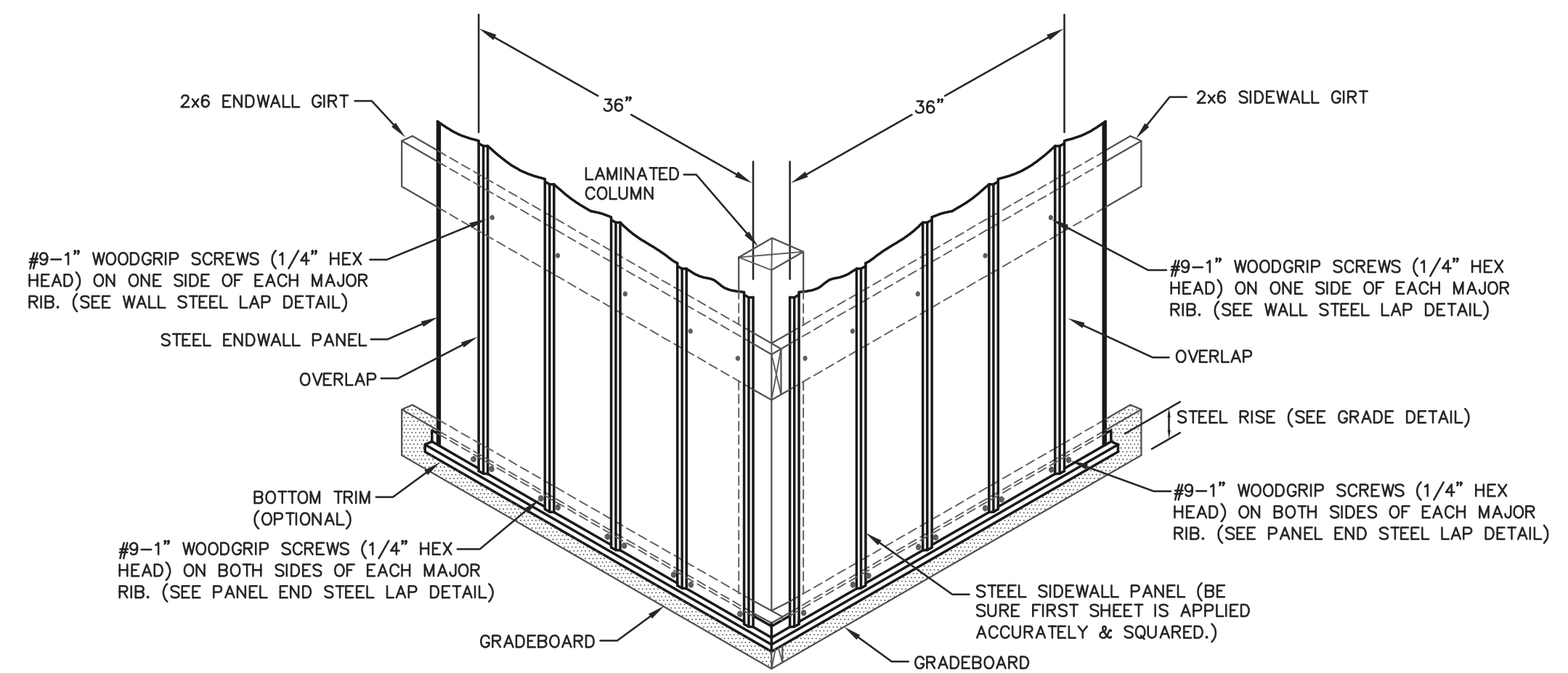
ROOF STEEL APPLICATION SEQUENCE
NOT TO SCALE



ROOF & ENDWALL STEEL APPLICATION @ GABLE PEAK & INTERMEDIATE



ROOF & SIDEWALL STEEL APPLICATION @ EAVE



WALL STEEL APPLICATION @ GRADEBOARD

STEEL APPLICATION DETAILS

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Print Name: Nathan D. Peleschak

Signature: Nathan D. Peleschak

Date: 7/2/20 License #: 50824



ENGINEERING SERVICES
5311 KANE RD. EAU CLAIRE, WI 54603 (715) 876-6556

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

PROJECT TITLE:

FURBALL FARM
FARIBAULT, MN

PROF. ENGINEER: NATE PELESCHAK

PLAN DESIGNER: LOUISE EWALD

DRAWN BY: APA

DATE: 7/2/2020

SCALE: AS NOTED

REVISIONS

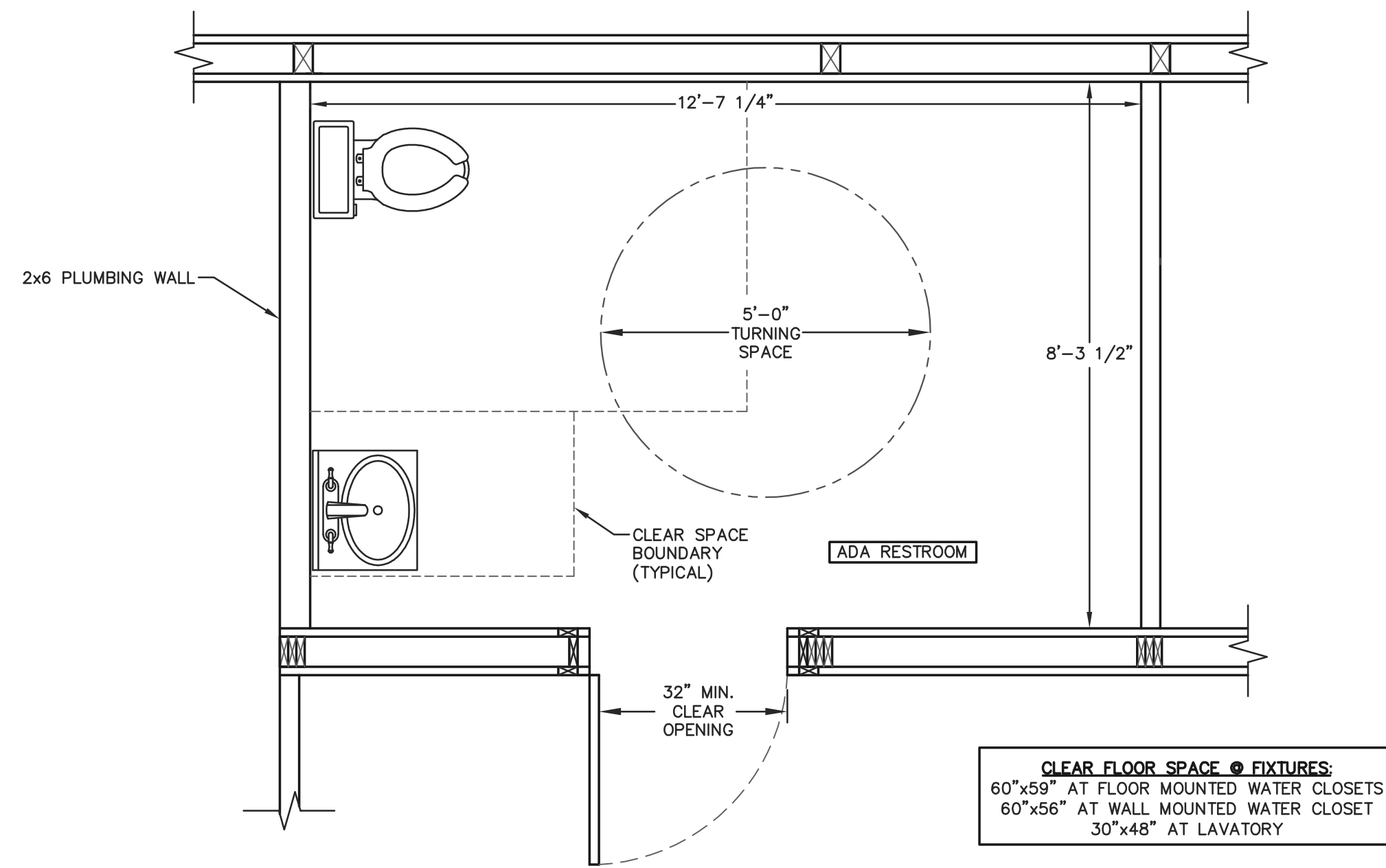
NO	DATE	DESCRIPTION	BY
1			
2			

SHEET TITLE:
STEEL APPLICATION DETAILS

FILE NAME: B14920MN

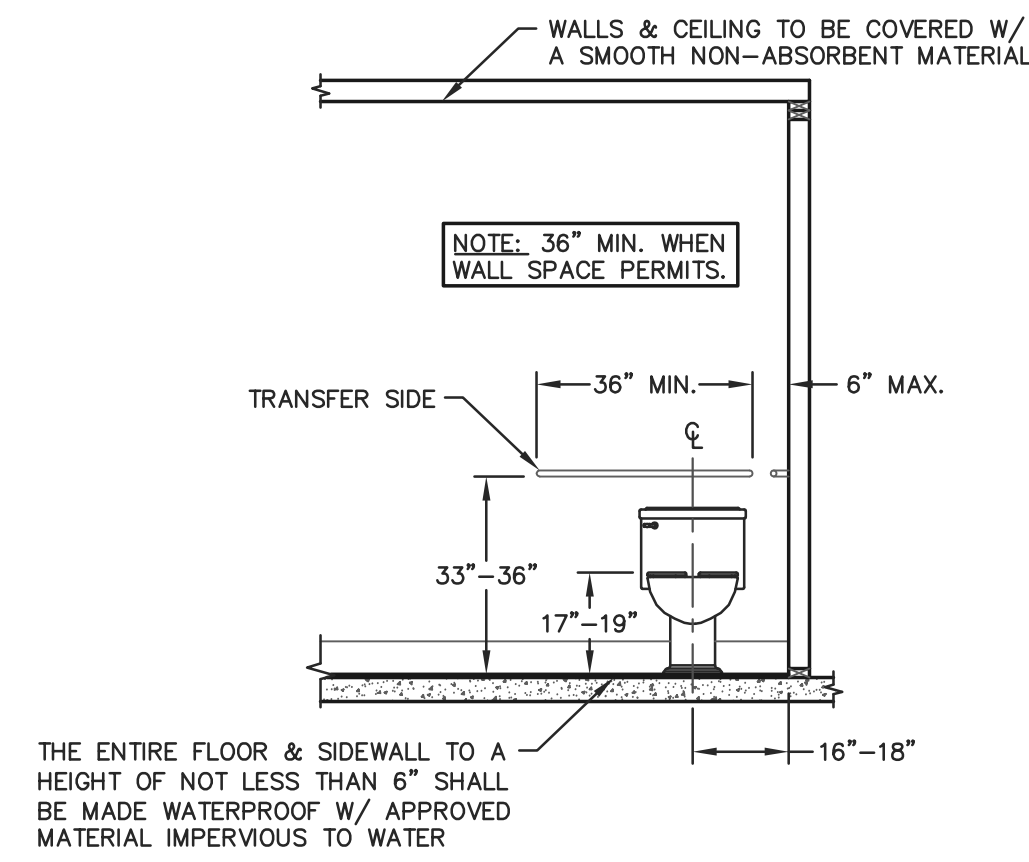
SHEET NO.

S9



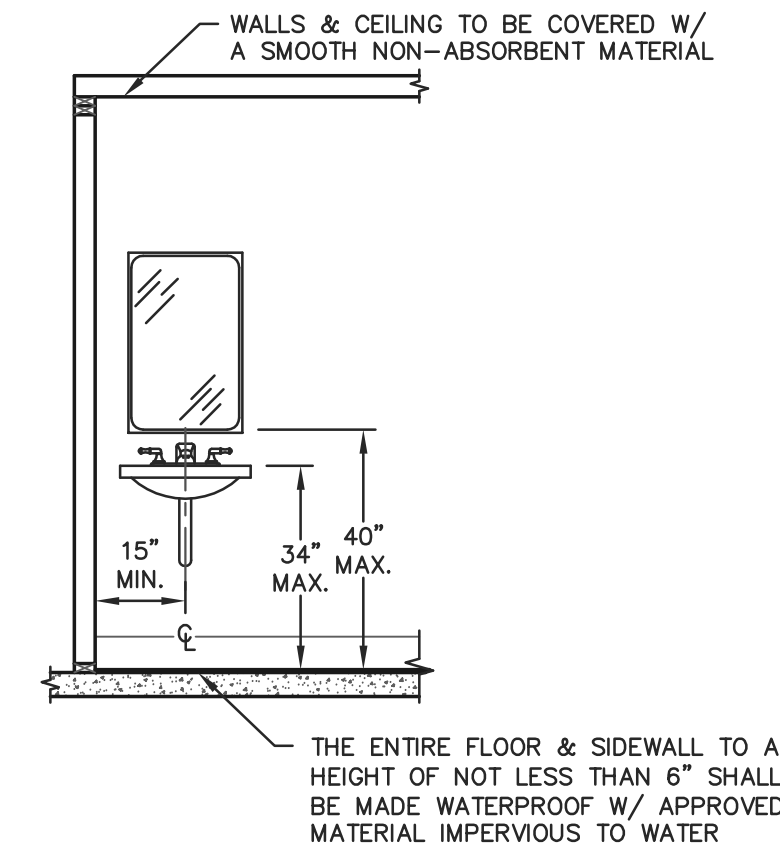
RESTROOM FLOOR PLAN
SCALE: 1/2"=1'-0"

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



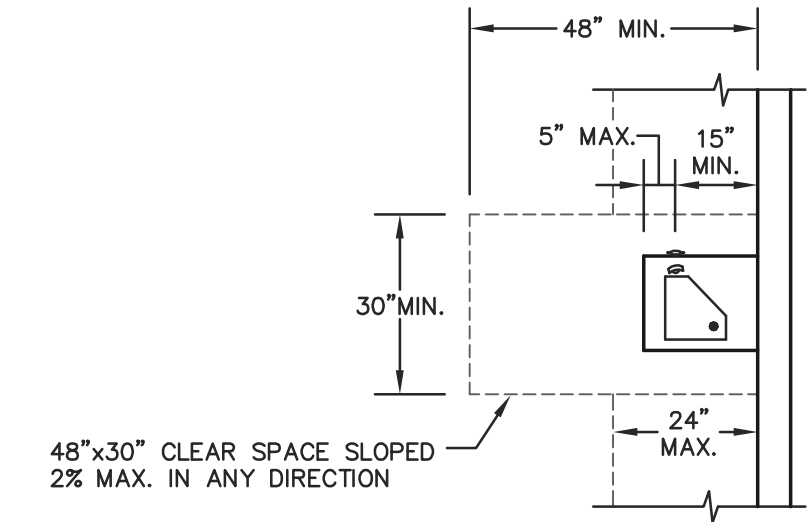
FRONT TOILET ELEVATION
SCALE: 3/8"=1'-0"

THE ENTIRE FLOOR & SIDEWALL TO A HEIGHT OF NOT LESS THAN 6" SHALL BE MADE WATERPROOF W/ APPROVED MATERIAL IMPERVIOUS TO WATER



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

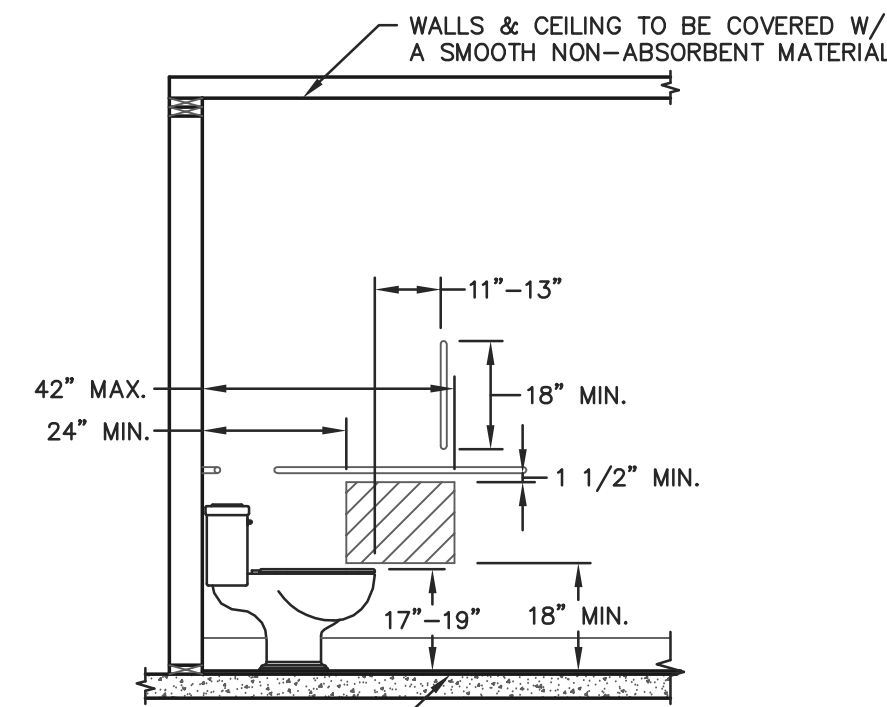
THE ENTIRE FLOOR & SIDEWALL TO A HEIGHT OF NOT LESS THAN 6" SHALL BE MADE WATERPROOF W/ APPROVED MATERIAL IMPERVIOUS TO WATER



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

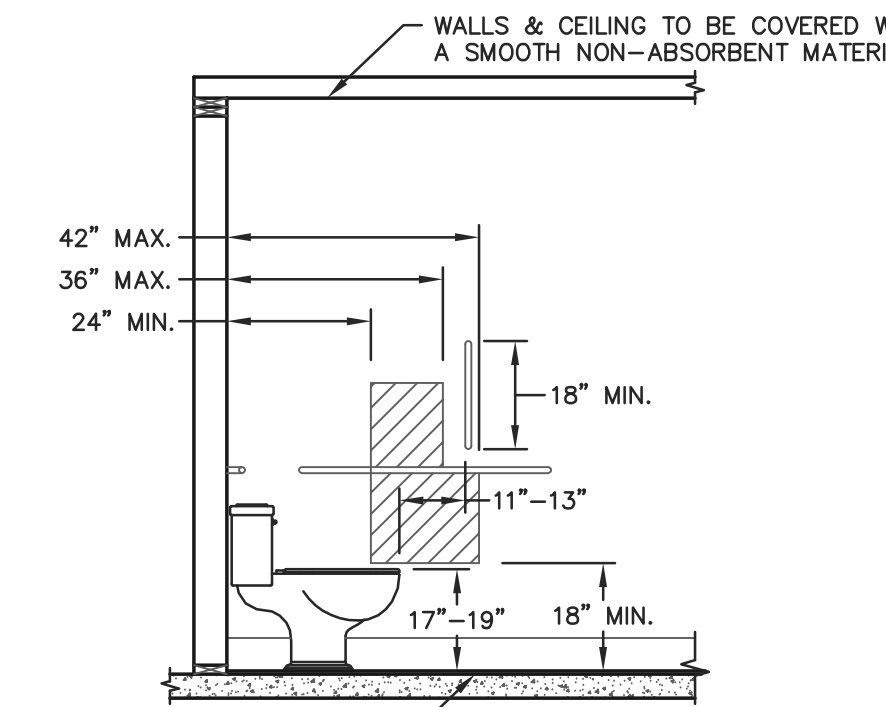
NOTE: PER IBC 1109.5, 2 DRINKING FOUNTAINS SHALL BE PROVIDED WITHIN THE BUILDING, ONE LOW FOUNTAIN WITH MAXIMUM SPOUT HEIGHT OF 36" FOR A PERSON IN A WHEELCHAIR AND ONE HIGH FOUNTAIN WITH SPOUT HEIGHT BETWEEN 38" AND 43" FOR A STANDING PERSON. OTHERWISE A SINGLE DRINKING FOUNTAIN SUCH AS A WATER COOLER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

PROTRUDING DISPENSER



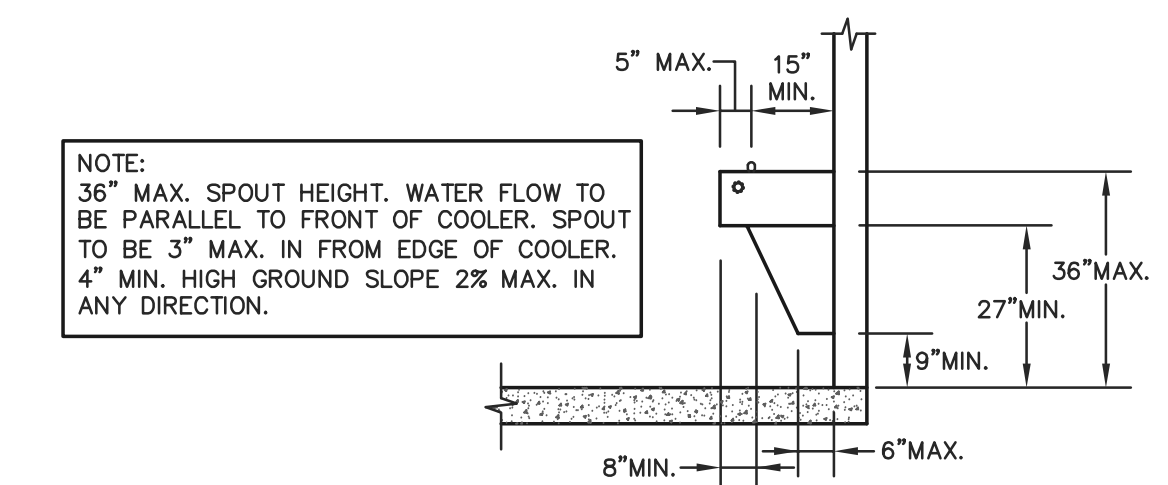
THE ENTIRE FLOOR & SIDEWALL TO A HEIGHT OF NOT LESS THAN 6" SHALL BE MADE WATERPROOF W/ APPROVED MATERIAL IMPERVIOUS TO WATER

RECESSED DISPENSER



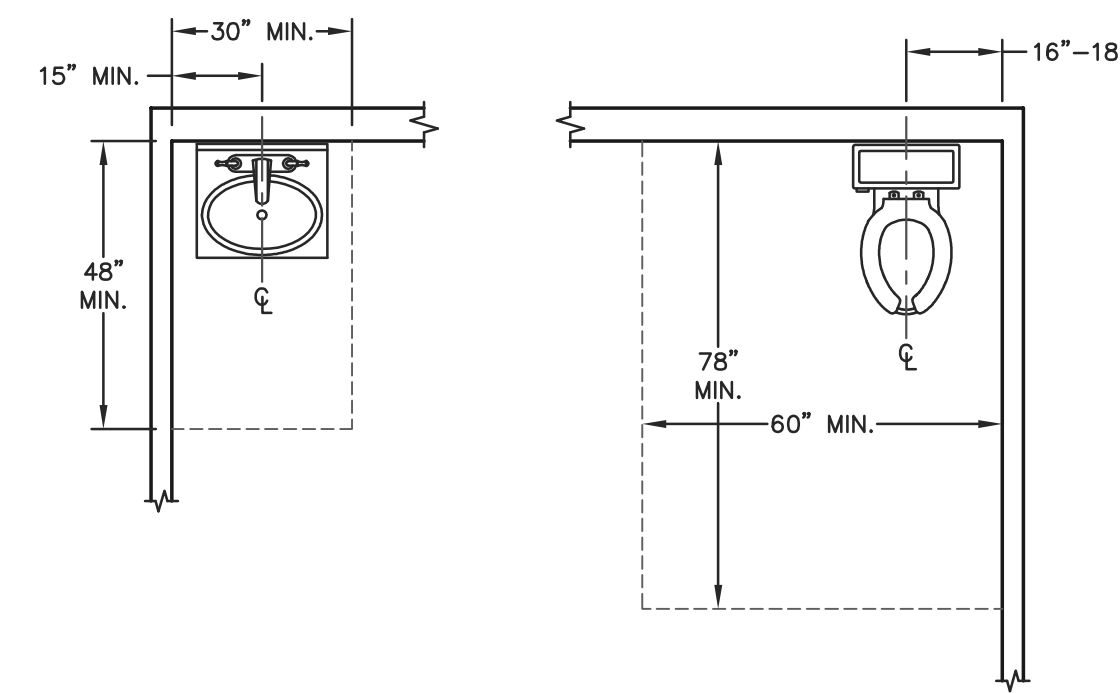
THE ENTIRE FLOOR & SIDEWALL TO A HEIGHT OF NOT LESS THAN 6" SHALL BE MADE WATERPROOF W/ APPROVED MATERIAL IMPERVIOUS TO WATER

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

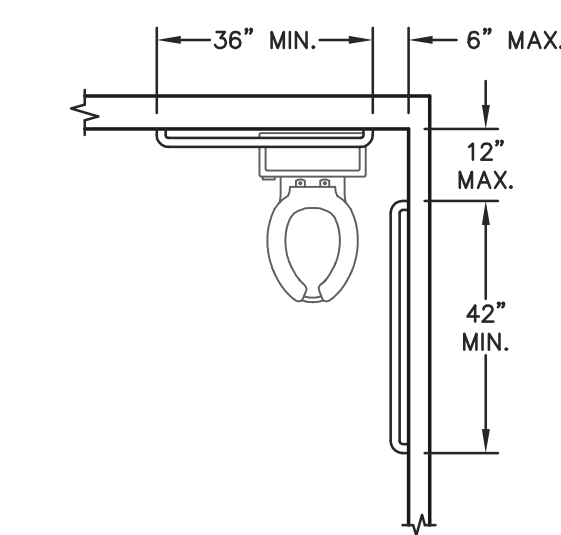


DRINKING FOUNTAIN SIDE ELEV.
SCALE: 3/8"=1'-0"

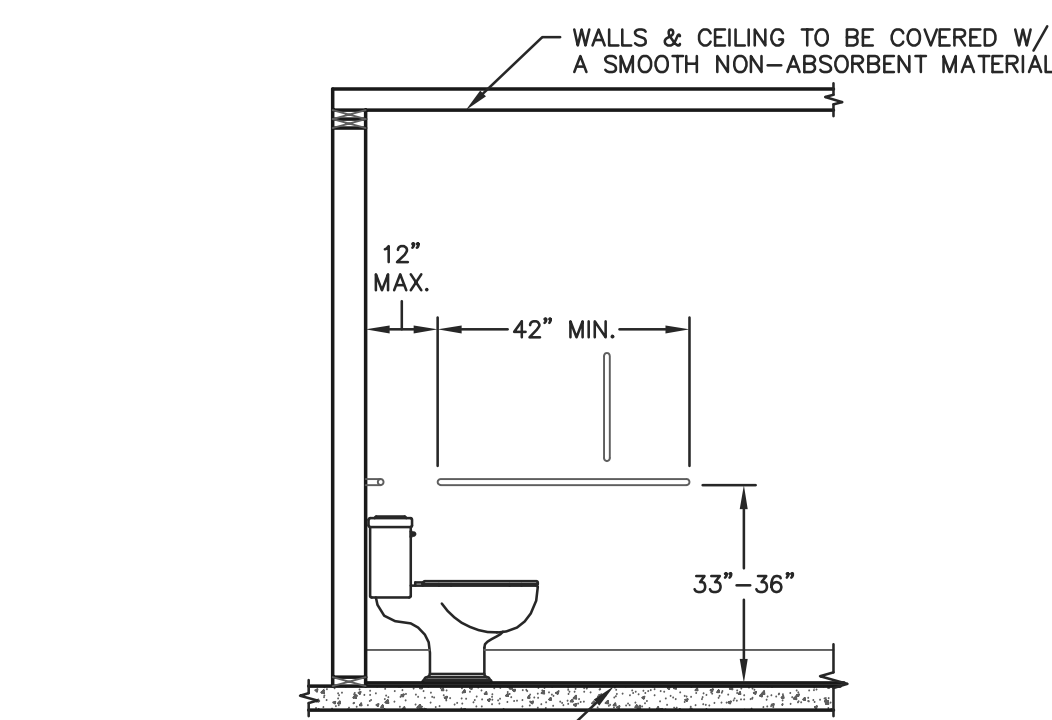
NOTE: 36" MAX. SPOUT HEIGHT. WATER FLOW TO BE PARALLEL TO FRONT OF COOLER. SPOUT TO BE 3" MAX. IN FROM EDGE OF COOLER. 4" MIN. HIGH GROUND SLOPE 2% MAX. IN ANY DIRECTION.



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

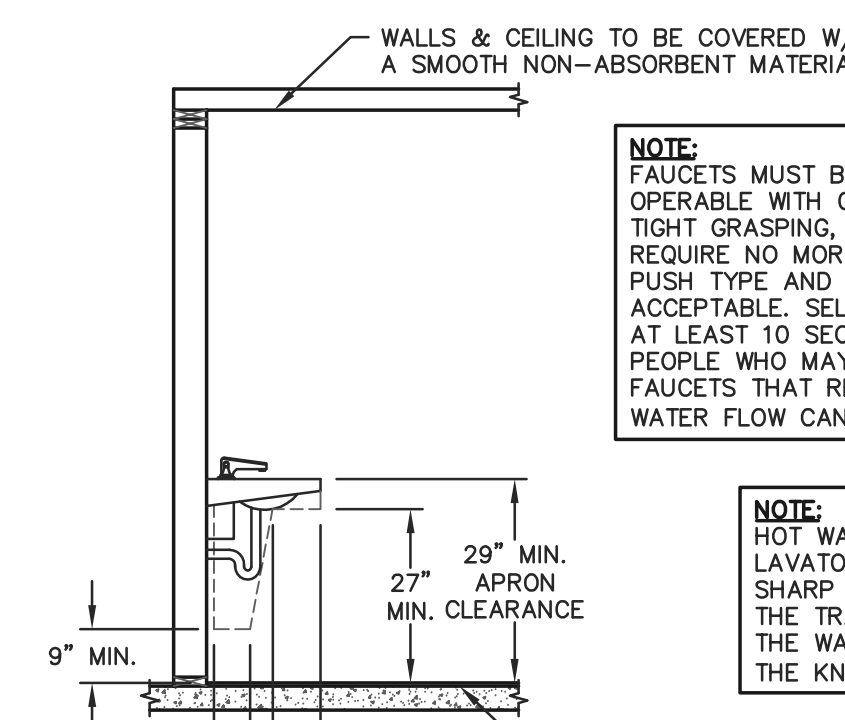


GRAB BAR LOCATIONS
SCALE: 3/8"=1'-0"



THE ENTIRE FLOOR & SIDEWALL TO A HEIGHT OF NOT LESS THAN 6" SHALL BE MADE WATERPROOF W/ APPROVED MATERIAL IMPERVIOUS TO WATER

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



NOTE: FAUCETS MUST BE WITHIN REACH RANGE AND BE AUTOMATIC OR OPERABLE WITH ONE HAND. FAUCETS MUST OPERATE WITHOUT TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST AND REQUIRE NO MORE THAN 5 LBF TO ACTIVATE. LEVER-OPERATED, PUSH TYPE AND AUTOMATIC CONTROLLED MECHANISMS ARE ACCEPTABLE. SELF CLOSING VALVES MUST REMAIN OPEN FOR AT LEAST 10 SECONDS SO THAT SUFFICIENT TIME IS GIVEN TO PEOPLE WHO MAY HAVE LIMITED ARM OR HAND MOVEMENT. FAUCETS THAT REQUIRE CONTINUOUS HAND PRESSURE FOR WATER FLOW CANNOT BE USED. (ADAAG 4.19.5)

NOTE: HOT WATER PIPES AND DRAIN PIPES UNDER LAVATORIES MUST BE INSULATED. EXPOSED SHARP OR ABRASIVE EDGES ARE PROHIBITED. THE TRAP MAY BE INSTALLED PARALLEL TO THE WALL SO THAT IT IS LOCATED OUTSIDE THE KNEE/TOE SPACE. (ADAAG 4.19.4)

THE ENTIRE FLOOR & SIDEWALL TO A HEIGHT OF NOT LESS THAN 6" SHALL BE MADE WATERPROOF W/ APPROVED MATERIAL IMPERVIOUS TO WATER

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

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.
Print Name: Nathan D. Peleschak
Signature: Nathan D. Peleschak
Date: 7/2/20 License #: 50824

MM ENGINEERING SERVICES
6311 KANE RD. EAU CLAIRE, WI 54603 (715) 876-6556

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

PROJECT TITLE:
FURBALL FARM
FARIBAULT, MN

PROF. ENGINEER: NATE PELESCHAK
PLAN DESIGNER: LOUISE EWALD
DRAWN BY: APA
DATE: 7/2/2020
SCALE: AS NOTED

REVISIONS		
NO	DATE	DESCRIPTION
1		
2		

SHEET TITLE:
RESTROOM FLOOR PLAN & DETAILS
FILE NAME: B14920MN
SHEET NO.

S10