BRAD GROOMS

WATERTOWN, WI

GENERAL NOTES

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.
- THESE PLANS ARE FOR THE STRUCTURAL BUILDING DESIGN. ANY FEATURES DEAMED BY THE BUILDING OFFICIAL REQUIRING ARCHITECTURAL REVIEW SHALL BE PERFORMED BY A LICENSED ARCHITECT.

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

FRAMING FASTENERS:
- ALL FASTENERS SHALL BE AS LISTED BELOW UNLESS NOTED OTHERWISE.
- ALL FASTENERS SHALL BE EXTERIOR RATED FINISH UNLESS NOTED OTHERWISE.

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

SECONDARY FASTENERS (GUN NAILS):
- 3" RINGSHANK GUN NAILS (.131"ø)
- 3 1/4" RINGSHANK GUN NAILS (.131"ø)

- ALL MITEK PRODUCTS, I.E. JOIST HANGERS, TRUSS TIES, FRAMING ANGLES, ETC., SHALL BE SECURED PER MANUFACTURER'S SPECIFICATIONS 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 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).

BUILDING SPECIFICATIONS

OWNERS INFORMATION:
- NAME: BRAD GROOMS
- ADDRESS: 1100 WEST WISCONSIN AVENUE
- CITY: OCONOMOWOC
- STATE: WI
- ZIP: 53066

BUILDING DESIGN INFORMATION:
- DESIGN CODE: 2018 WI COMM. BLDG. CODE (2015 IBC)
- USE OF BUILDING: AIRCRAFT HANGAR
- OCCUPANCY CLASSIFICATION: GROUP (S-1)
- CONSTRUCTION TYPE: 5B
- RISK CATEGORY: 2
- FIRE SUPPRESSION SYSTEM: NO

BUILDING AREA:
- AREA OF WORK: 4352 SQFT
- MEZZANINE AREA: 0 SQFT
- EXISTING BUILDING AREA: 0 SQFT
- TOTAL BUILDING AREA: 4352 SQFT

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

BUILDING DESIGN LOADS:

SNOW
- (Pg) = 30.0 PSF
- (Ce) = 0.90
- (Is) = 1.00
- (Ct) = 1.20
- (Pf) = 22.68 PSF
- (Cs) = 1.00
- (Ps) = 22.68 PSF
- (Lr) = 20.00 PSF

*WITH UNBALANCED LOADS AS REQUIRED

WIND
- B.W.S. = 115 MPH
- EXPOSURE = C

SEISMIC
- SEISMIC IMPORTANCE FACTOR: 1.00
- SPECTRA RESPONSE COEFFICIENT SDS: 0.078
- SPECTRA RESPONSE COEFFICIENT SD1: 0.075
- SITE CLASSIFICATION: D
- SEISMIC DESIGN CATEGORY: B

TRUSS DEAD LOADS
- DLTC = 4 PSF
- DLBC = 5 PSF

EQUIPMENT PLATFORM LOADS
- LIVE LOAD = 80 PSF
- DEAD LOAD = 15 PSF

MAJOR STRUCTURAL COMPONENTS

MIDWEST MANUFACTURING STRUCTURAL COMPONENTS (COLUMNS, TRUSSES, AND STEEL) ARE USED IN THE DESIGN OF THIS BUILDING. ANY DEVIATIONS OR SUBSTITUTIONS OF THESE MATERIALS REQUIRE A CHANGE ORDER DUE TO THE DESIGN VALUES OF THE MATERIALS SPECIFIED.

*A CHANGE ORDER CAN BE OBTAINED FROM ENGINEERING@MIDWESTMANUFACTURING.COM AND IS REQUIRED FOR ANY STRUCTURAL, LAYOUT, OR MATERIAL CHANGES.

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: QTREC0914957 - LATERAL BRACING IS REQUIRED. SEE TRUSS SPECIFICATION SHEET(S) FOR LATERAL BRACE LOCATIONS.
STEEL PANEL:	- MIDWEST MANUFACTURING'S PRO-RIB STEEL PANEL (WALLS) .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 - MIDWEST MANUFACTURING'S PREMIUM PRO-RIB STEEL PANEL (ROOF) .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

SHEET INDEX

Conditionally
APPROVED
DEPT. OF SAFETY AND PROFESSIONAL SERVICES
DIVISION OF INDUSTRY SERVICES

SEE CORRESPONDENCE

Building
New Construction
DIS-072528525
CB-082501175-PRB
w/ roof truss component
8/18/2025

WISCONSIN
NATHAN D. PELESCHAK
E-43337
EAU CLAIRE WISCONSIN
7/2/25
PROFESSIONAL ENGINEER

ENGINEERING SERVICES
5311 KANE RD. EAU CLAIRE, WI 54703 (715) 876-5555
CERTIFICATE OF AUTHORIZATION: 3224
FOR QUESTIONS PLEASE CONTACT BUILDING DESIGNER AT THE FOLLOWING: ENGINEERING@MIDWESTMANUFACTURING.COM

PROJECT TITLE:
BRAD GROOMS
1741 RIVER DRIVE
WATERTOWN, WI

PROF. ENGINEER:	NATE PELESCHAK
PLAN DESIGNER:	LOUISE BRISKI
DRAWN BY:	JMS
DATE:	7/2/2025
SCALE:	AS NOTED

REVISIONS

NO	DATE	DESCRIPTION	BY
1			
2			

SHEET TITLE:
GENERAL NOTES AND BUILDING SPECIFICATIONS

FILE NAME: SH26825WI

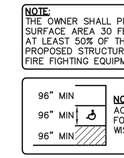
SHEET NO.
S1

SITE PLAN
SCALE: 1"=10'

BUILDING INFORMATION:

NAME:	BRAD GROOMS
ADDRESS:	1741 RIVER DRIVE
CITY:	WATERTOWN
STATE:	WI
ZIP:	53094
COUNTY:	JEFFERSON

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 502) FOR NUMBER OF STALLS REQUIRED, SEE WISCONSIN CODE SECTION 1106.

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

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

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

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

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: PROPOSED BUILDING SHALL NOT BE USED FOR COMMERCIAL VEHICLE STORAGE AND/OR HIGH PILE STORAGE.

NOTE:
THE STORAGE UNITS WITHIN THE PROPOSED BUILDING ARE OF A SIZE THAT WOULD ALLOW MOTOR VEHICLES TO BE STORED. THE BUILDING SLAB SHALL SLOPE TOWARD THE OVERHEAD DOOR OPENING FOR EACH STORAGE UNIT TO FACILITATE THE MOVEMENT OF LIQUIDS TO A DRAIN OR TOWARD THE MAIN VEHICLE ENTRY DOORWAY.

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PROJECT TITLE:
BRAD GROOMS
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WATERTOWN, WI

PROF. ENGINEER:	NATE PELESCHAK
PLAN DESIGNER:	LOUISE BRISKI
DRAWN BY:	JMS
DATE:	7/2/2025
SCALE:	AS NOTED

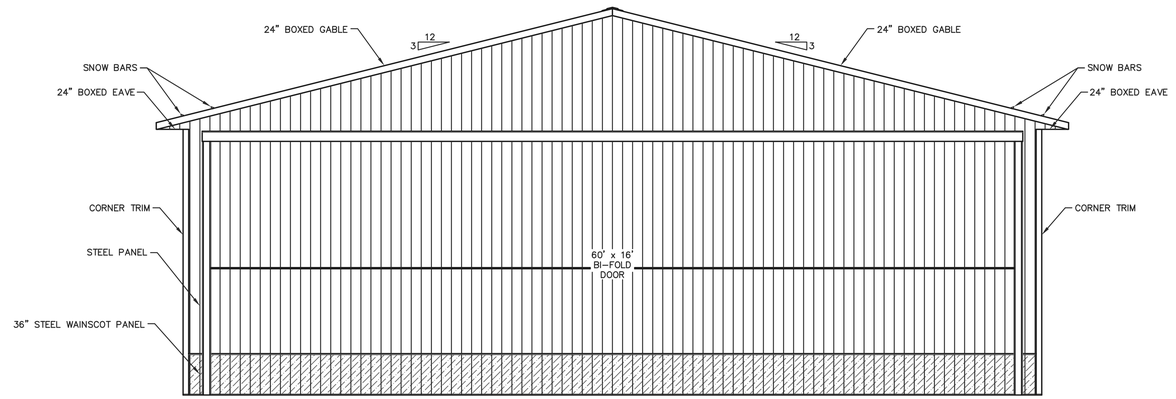
REVISIONS

NO	DATE	DESCRIPTION	BY
1			
2			

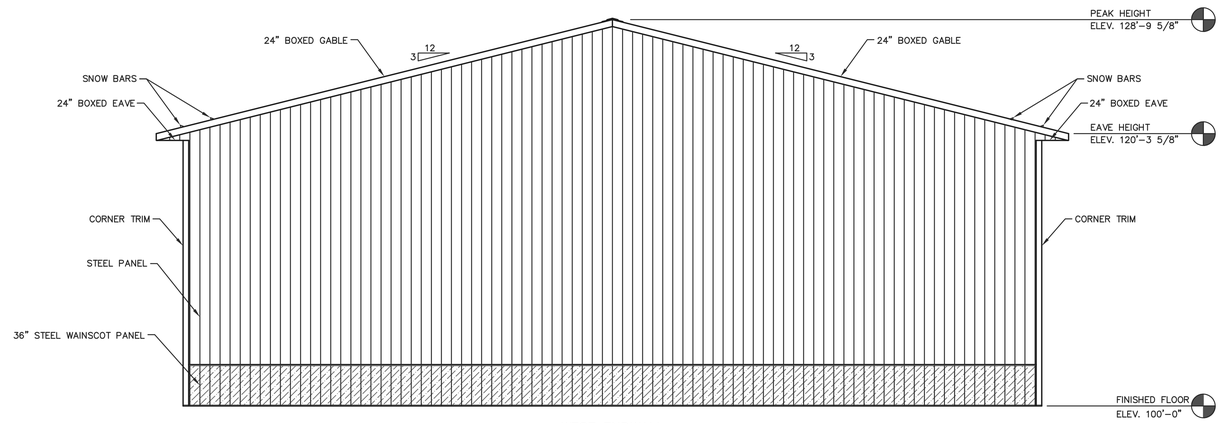
SHEET TITLE:
SITE PLAN

FILE NAME: SH26825WI

SHEET NO.
S2



EAST ENDWALL



WEST ENDWALL

ELEVATIONS

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

WISCONSIN
NATHAN D. PELESCHAK
E-43337
EAU CLAIRE
WISCONSIN
7/2/25
PROFESSIONAL ENGINEER
Nathan D. Peleschak

ENGINEERING SERVICES

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CERTIFICATE OF AUTHORIZATION: 3224

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

PROJECT TITLE:

BRAD
GROOMS

1741 RIVER DRIVE
WATERTOWN, WI

PROF. ENGINEER:	NATE PELESCHAK
PLAN DESIGNER:	LOUISE BRISKI
DRAWN BY:	JMS
DATE:	7/2/2025
SCALE:	AS NOTED

REVISIONS

NO	DATE	DESCRIPTION	BY
1			
2			

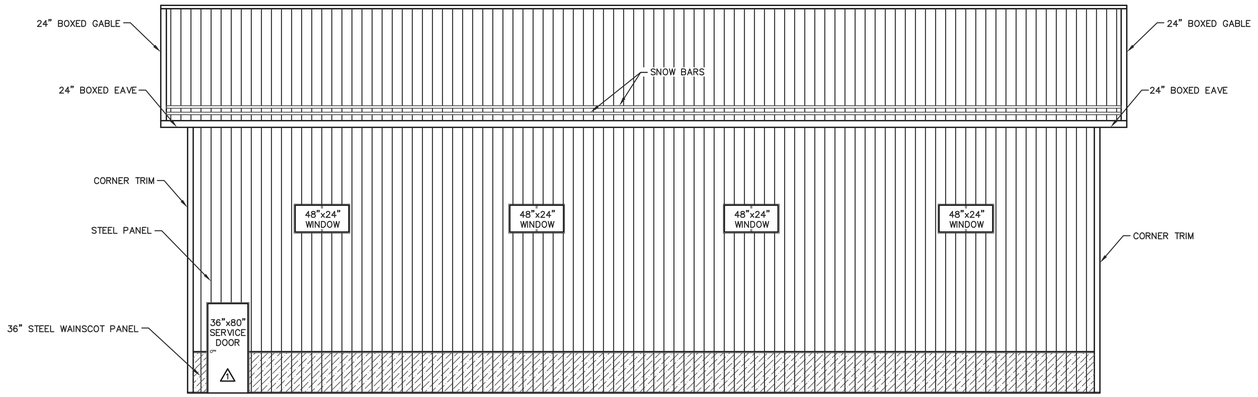
SHEET TITLE:

ENDWALL
ELEVATIONS

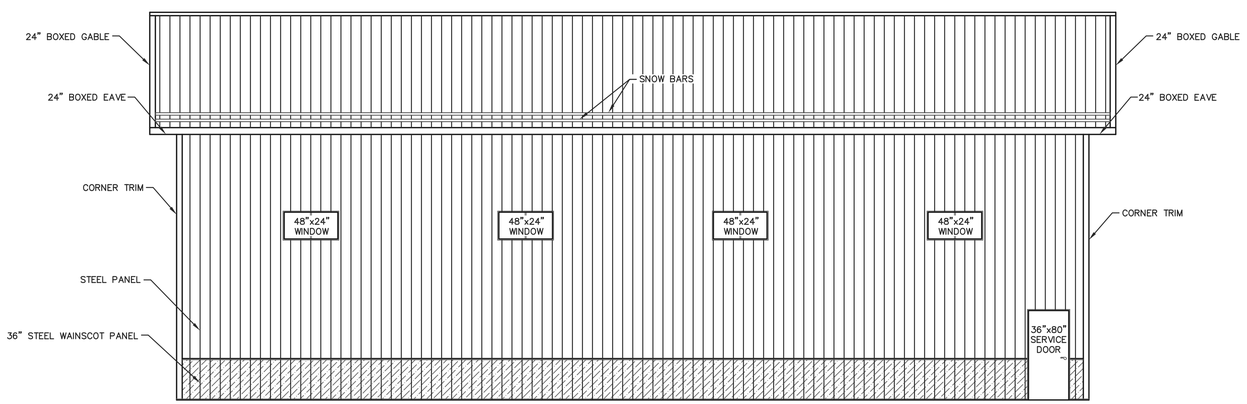
FILE NAME: SH26825WI

SHEET NO.

S3A



NORTH SIDEWALL



SOUTH SIDEWALL

ELEVATIONS

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

WISCONSIN
NATHAN D. PELESCHAK
E-43337
EAU CLAIRE
WISCONSIN
8/18/25
PROFESSIONAL ENGINEER

Nathan D. Peleschak

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5501 KANE RD. EAU CLAIRE, WI 54703 (715) 876-5555
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PROJECT TITLE:

BRAD GROOMS

1741 RIVER DRIVE
WATERTOWN, WI

PROF. ENGINEER:	NATE PELESCHAK
PLAN DESIGNER:	LOUISE BRISKI
DRAWN BY:	JMS
DATE:	8/18/2025
SCALE:	AS NOTED

REVISIONS

NO	DATE	DESCRIPTION	BY
1	8/18/25	ADDED SERVICE DOOR	NDP
2			

SHEET TITLE:

SIDEWALL ELEVATIONS

FILE NAME: SH26825WI

SHEET NO.

S3B

CONCRETE NOTES

-ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS.

-ALL #4 REBAR TO BE DEFORMED GRADE 60 OR BETTER AND HAVE A MINIMUM SPLICE OVERLAP OF 29".

-OWNER/CONTRACTOR SHALL VERIFY ALL DOOR OPENING LOCATIONS PRIOR TO CONSTRUCTION.

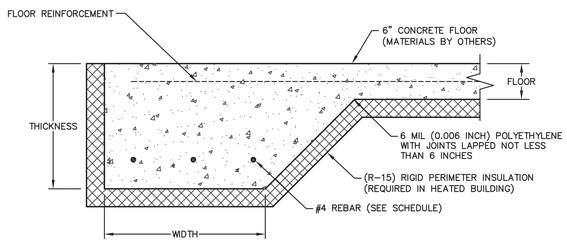
-FLOOR REINFORCEMENT SHALL BE EITHER 6x6 W1.4xW1.4 CONCRETE WIRE MESH OR #4 DEFORMED REBAR AT 18" O.C. EACH WAY.

-ALL REBAR WITH CONCRETE POURED AGAINST SOIL SHALL HAVE A 3" CLEAR COVER.

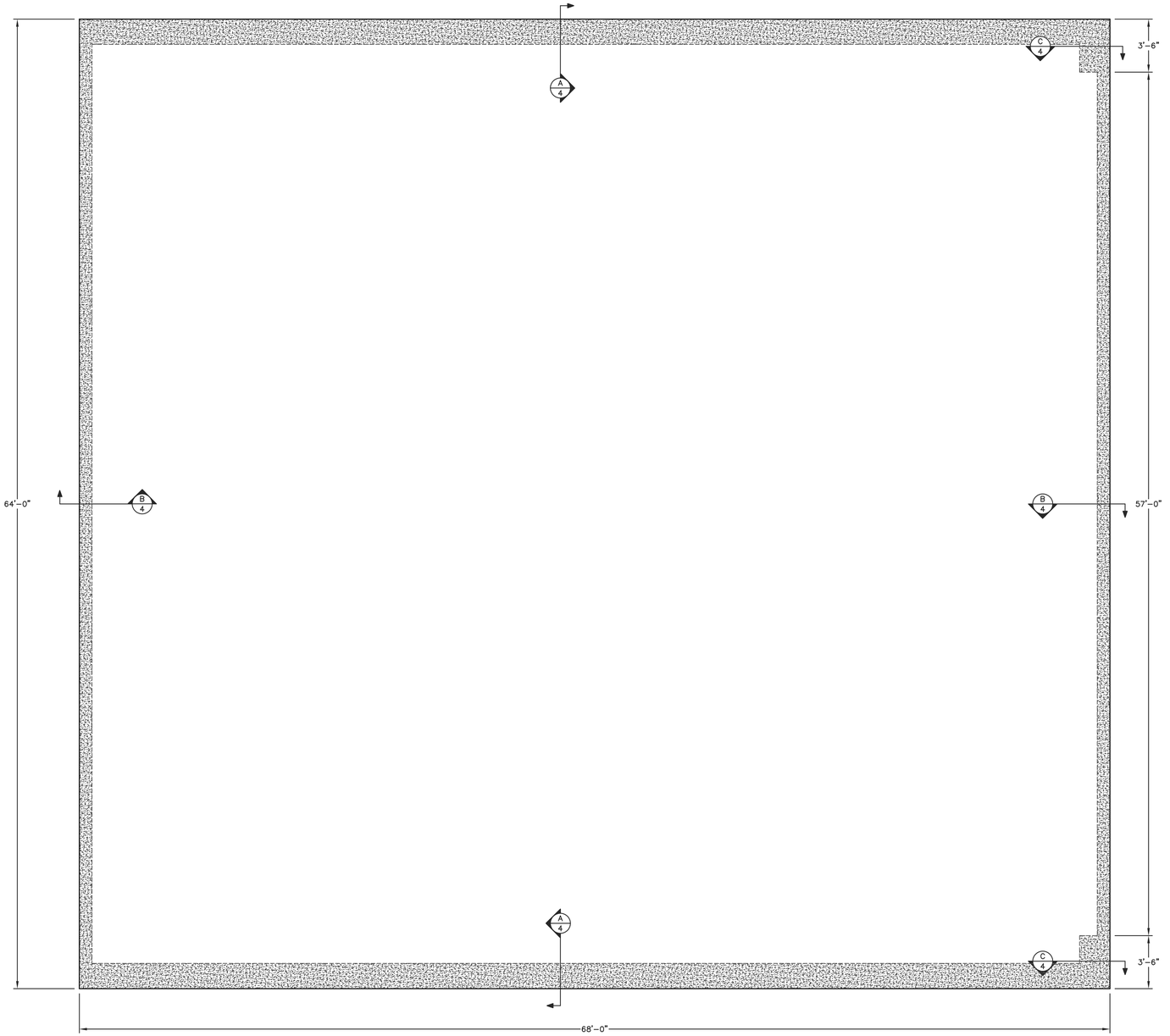
-BOTTOM OF CONCRETE FOOTING TO BE A MINIMUM OF 12" BELOW FINISHED GRADE.

-FOR SOIL INFORMATION REQUIREMENTS SEE GENERAL NOTES ON SHEET S1.

HAUNCHED FOOTING SCHEDULE			
FOOTING LOCATION	FOOTING DESCRIPTION		
	THICKNESS	WIDTH	QUANTITY OF REBAR
A/4	14"	20"	(3) #4 @ 18" O.C. MAX.
B/4	14"	10"	(2) #4 @ 18" O.C. MAX.
C/4	14"	24"	(4) #4 @ 18" O.C. MAX.



HAUNCHED FOOTING DETAIL
NOT TO SCALE



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

ENGINEERING SERVICES
5351 KANE RD. EAU CLAIRE, WI 54703 (715) 876-5555
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PROJECT TITLE:
BRAD GROOMS
1741 RIVER DRIVE
WATERTOWN, WI

PROF. ENGINEER:	NATE PELESCHAK
PLAN DESIGNER:	LOUISE BRISKI
DRAWN BY:	JMS
DATE:	7/2/2025
SCALE:	AS NOTED

REVISIONS

NO	DATE	DESCRIPTION	BY
1			
2			

SHEET TITLE:
FOUNDATION PLAN

FILE NAME: SH26825WI

SHEET NO.
S4

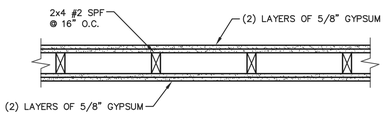
NOTE:
CONTRACTOR SHALL PROVIDE FIRE BARRIER IDENTIFICATION AND MARKING. IDENTIFICATION SHALL BE LOCATED IN ACCESSIBLE ATTIC SPACES, FLOOR–CEILING OR CONCEALED FLOORS. IDENTIFICATION SHALL BE REPEATED AT INTERVALS NOT EXCEEDING 30 FEET MEASURED HORIZONTALLY ALONG THE WALL OR PARTITION. A SIGN OR RED STENCILING WITH LETTERING NOT LESS THAN 1/2" IN HEIGHT. SIGN OR STENCILING SHALL INDICATE:
"2–HOUR RATED FIRE BARRIER – PROTECT ALL OPENINGS".

1. NAILHEADS–
EXPOSED OR COVERED WITH JOINT COMPOUND.

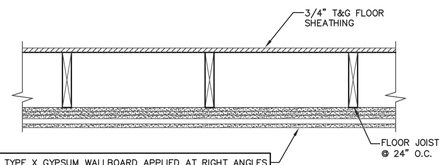
2. JOINTS–
EXPOSED JOINTS COVERED WITH JOINT COMPOUND AND PAPER TAPE. JOINT COMPOUND AND PAPER TAPE MAY BE OMITTED WHEN SQUARE EDGE BOARDS ARE USED.

3. NAILS–
6d CEMENT COATED NAILS 1 7/8" LONG, 0.0915" SHANK DIAMETER, 1/4" DIAMETER HEADS, AND 8d CEMENT COATED NAILS 2 3/8" LONG, 0.113" SHANK DIAMETER, 9/32" DIAMETER HEADS.

4. GYPSUM BOARD–
5/8" THICK, TWO LAYERS APPLIED EITHER HORIZONTALLY OR VERTICALLY. INNER LAYER ATTACHED TO STUDS WITH THE 1 7/8" NAILS SPACED 6" O.C. OUTER LAYER ATTACHED TO STUDS OVER INNER LAYER WITH THE 2 3/8" LONG NAILS SPACED 8" O.C. VERTICAL JOINTS LOCATED OVER STUDS. ALL JOINTS IN FACE LAYERS STAGGERED WITH JOINTS IN BASE LAYERS. JOINTS OF EACH BASE LAYER OFFSET WITH JOINTS OF BASE LAYER ON OPPOSITE SIDE.



A/5 2–HR FIRE BARRIER DETAIL (UL# U301)
SCALE: 1"=1'–0"



BASE LAYER 5/8" TYPE X GYPSUM WALLBOARD APPLIED AT RIGHT ANGLES TO 2x10 WOOD JOISTS @ 24" O.C. WITH 1 1/4" TYPE W DRYWALL SCREWS AT 12" O.C.

2ND LAYER 5/8" TYPE X GYPSUM WALLBOARD APPLIED AT RIGHT ANGLES TO JOISTS WITH 2" TYPE W DRYWALL SCREWS AT 12" O.C. 2ND LAYER JOINTS OFFSET 24" FROM BASE LAYER JOINTS.

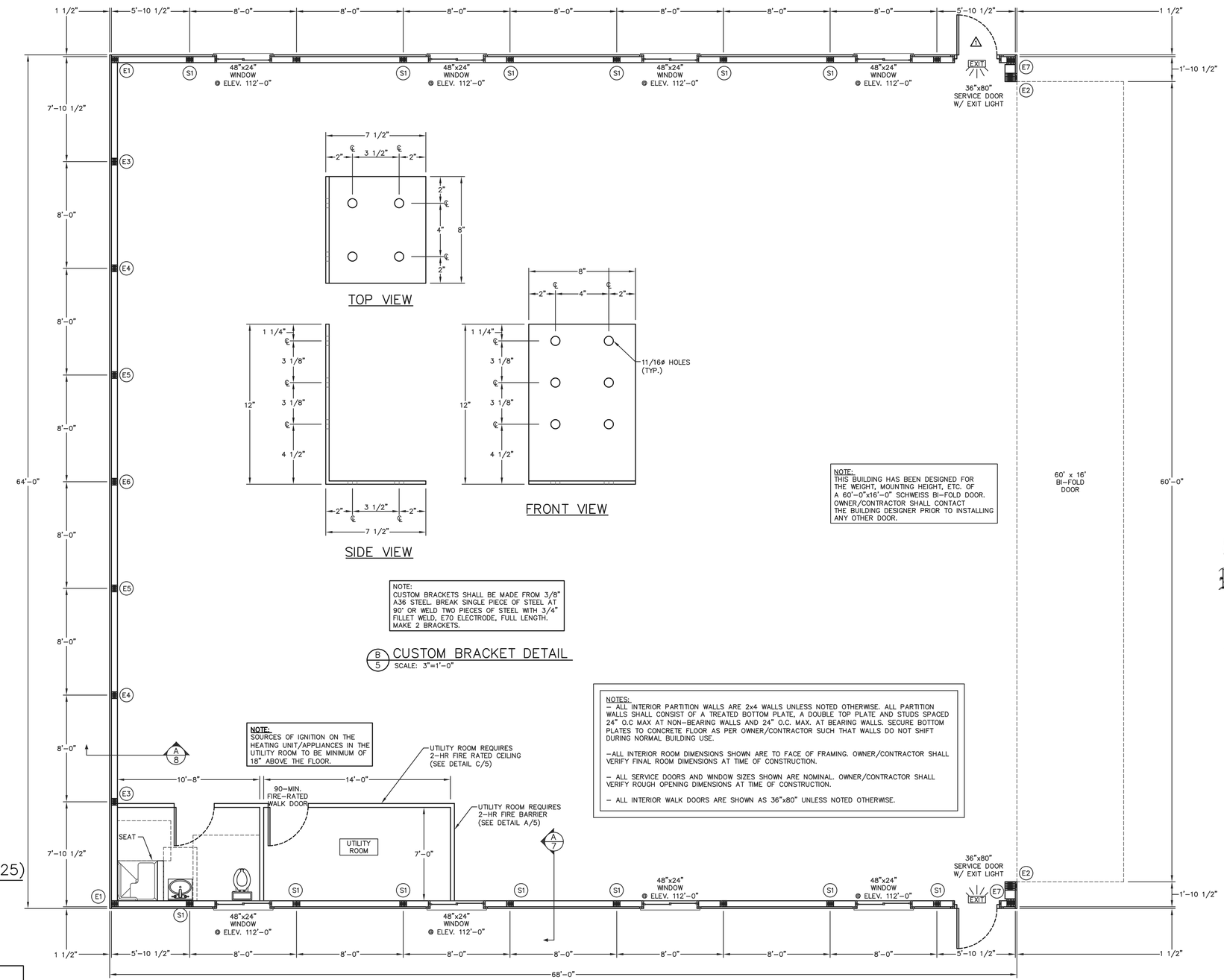
3RD LAYER 5/8" TYPE X GYPSUM WALLBOARD APPLIED AT RIGHT ANGLES TO JOISTS WITH 2 1/2" TYPE W SCREWS AT 12" O.C. 3RD LAYER JOINTS OFFSET 12" FROM 2ND LAYER JOINTS.

HAT SHAPED 7/8" RIGID FURRING CHANNELS 24" O.C. APPLIED AT RIGHT ANGLES TO JOISTS OVER THIRD LAYER WITH TWO 2 1/2" LONG TYPE W SCREWS AT EACH JOIST.

FACE LAYER 5/8" TYPE X GYPSUM WALLBOARD APPLIED AT RIGHT ANGLES TO FURRING CHANNELS WITH 1 1/8" TYPE S SCREWS AT 12" O.C.

WOOD JOISTS SUPPORTING MINIMUM 3/4" T&G EDGE PLYWOOD FLOOR APPLIED AT RIGHT ANGLES TO JOISTS WITH 8d NAILS AT 6" O.C. AT JOINTS AND 12" O.C. AT INTERMEDIATE JOISTS.

C/5 2–HR FIRE RATED FLOOR ASSEMBLY DETAIL (FC 5725)
SCALE: 1"=1'–0"



NOTE:
SOURCES OF IGNITION ON THE HEATING UNIT/APPLIANCES IN THE UTILITY ROOM TO BE MINIMUM OF 18" ABOVE THE FLOOR.

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 AT NON–BEARING WALLS AND 24" O.C. MAX. AT BEARING WALLS. 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.

NOTE:
THIS BUILDING HAS BEEN DESIGNED FOR THE WEIGHT, MOUNTING HEIGHT, ETC. OF A 60'–0"x16'–0" SCHWEISS BI–FOLD DOOR. OWNER/CONTRACTOR SHALL CONTACT THE BUILDING DESIGNER PRIOR TO INSTALLING ANY OTHER DOOR.

TOP VIEW

SIDE VIEW

FRONT VIEW

NOTE:
CUSTOM BRACKETS SHALL BE MADE FROM 3/8" A36 STEEL. BREAK SINGLE PIECE OF STEEL AT 90° OR WELD TWO PIECES OF STEEL WITH 3/4" FILLET WELD, E70 ELECTRODE, FULL LENGTH. MAKE 2 BRACKETS.

B/5 CUSTOM BRACKET DETAIL
SCALE: 3"=1'–0"

PRO–ANCHOR (PA) BRACKET DESIGNATION
PA60 = 6" UNIVERSAL BRACKET
PA64 = 4–PLY 2x6 COLUMN BRACKET

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

FLOOR PLAN
SCALE: 1/4"=1'–0"

COLUMN & FOOTING SCHEDULE

COLUMN LOCATION	COLUMN DESCRIPTION	EMBEDMENT	NUMBER OF COLUMNS	FOOTING DESCRIPTION
S1	4–PLY 2x6 (22') 2400f MSR SYP LAMINATED COLUMN	0'–0"	16	HAUNCHED CONCRETE FOOTING (SEE SHEET S4)
E1	4–PLY 2x6 (22') 2400f MSR SYP LAMINATED COLUMN	0'–0"	2	HAUNCHED CONCRETE FOOTING (SEE SHEET S4)
E2	5–PLY 2x10 (22') 2400f MSR SYP LAMINATED COLUMN	0'–0"	2	HAUNCHED CONCRETE FOOTING (SEE SHEET S4)
E3	4–PLY 2x6 (24') 2400f MSR SYP LAMINATED COLUMN	0'–0"	2	HAUNCHED CONCRETE FOOTING (SEE SHEET S4)
E4	4–PLY 2x6 (26') 2400f MSR SYP LAMINATED COLUMN	0'–0"	2	HAUNCHED CONCRETE FOOTING (SEE SHEET S4)
E5	4–PLY 2x6 (28') 2400f MSR SYP LAMINATED COLUMN	0'–0"	2	HAUNCHED CONCRETE FOOTING (SEE SHEET S4)
E6	4–PLY 2x6 (30') 2400f MSR SYP LAMINATED COLUMN	0'–0"	1	HAUNCHED CONCRETE FOOTING (SEE SHEET S4)
E7	5–PLY 2x8 (22') 2400f MSR SYP LAMINATED COLUMN	0'–0"	2	HAUNCHED CONCRETE FOOTING (SEE SHEET S4)

COLUMN BRACKET SCHEDULE

COLUMN LOCATION	BRACKET DESCRIPTION	NO. OF BRACKETS PER COLUMN	BRACKET TO COLUMN	BRACKET TO CONCRETE (PER BRACKET)
S1	PA64	1	(2)–1/2"øx7 1/2" BOLTS & (4)–1/4"øx3" WOOD SCREWS	(2)–5/8"øx6" TITEN HD SCREW ANCHORS, 5 3/4" MIN. EMBEDMENT
E1	PA60	1	(2)–1/2"øx4 1/2" LAG SCREWS & (2)–1/4"øx3" WOOD SCREWS	(1)–5/8"øx6" TITEN HD SCREW ANCHOR, 5 3/4" MIN. EMBEDMENT
E2	CUSTOM	1	(6)–5/8"øx6" LAG SCREWS	(4) HILTI HAS–V–36 5/8"øx14" ANCHOR W/ HIT–HY 200 V3 ADHESIVE, 12 1/4" MIN. EMBEDMENT
E3	PA64	1	(2)–1/2"øx7 1/2" BOLTS & (4)–1/4"øx3" WOOD SCREWS	(2)–5/8"øx6" TITEN HD SCREW ANCHORS, 5 3/4" MIN. EMBEDMENT
E4	PA64	1	(2)–1/2"øx7 1/2" BOLTS & (4)–1/4"øx3" WOOD SCREWS	(2)–5/8"øx6" TITEN HD SCREW ANCHORS, 5 3/4" MIN. EMBEDMENT
E5	PA64	1	(2)–1/2"øx7 1/2" BOLTS & (4)–1/4"øx3" WOOD SCREWS	(2)–5/8"øx6" TITEN HD SCREW ANCHORS, 5 3/4" MIN. EMBEDMENT
E6	PA64	1	(2)–1/2"øx7 1/2" BOLTS & (4)–1/4"øx3" WOOD SCREWS	(2)–5/8"øx6" TITEN HD SCREW ANCHORS, 5 3/4" MIN. EMBEDMENT
E7	PA60	1	(2)–1/2"øx6" LAG SCREWS & (2)–1/4"øx3" WOOD SCREWS	(1)–5/8"øx6" TITEN HD SCREW ANCHOR, 5 3/4" MIN. EMBEDMENT

N

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8/18/25
PROFESSIONAL ENGINEER
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5311 KANE RD. EAU CLAIRE, WI 54703 (715) 876–5555
CERTIFICATE OF AUTHORIZATION: 3224

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

PROJECT TITLE:
BRAD GROOMS
1741 RIVER DRIVE
WATERTOWN, WI

PROF. ENGINEER:	NATE PELESCHAK
PLAN DESIGNER:	LOUISE BRISKI
DRAWN BY:	JMS
DATE:	8/18/2025
SCALE:	AS NOTED

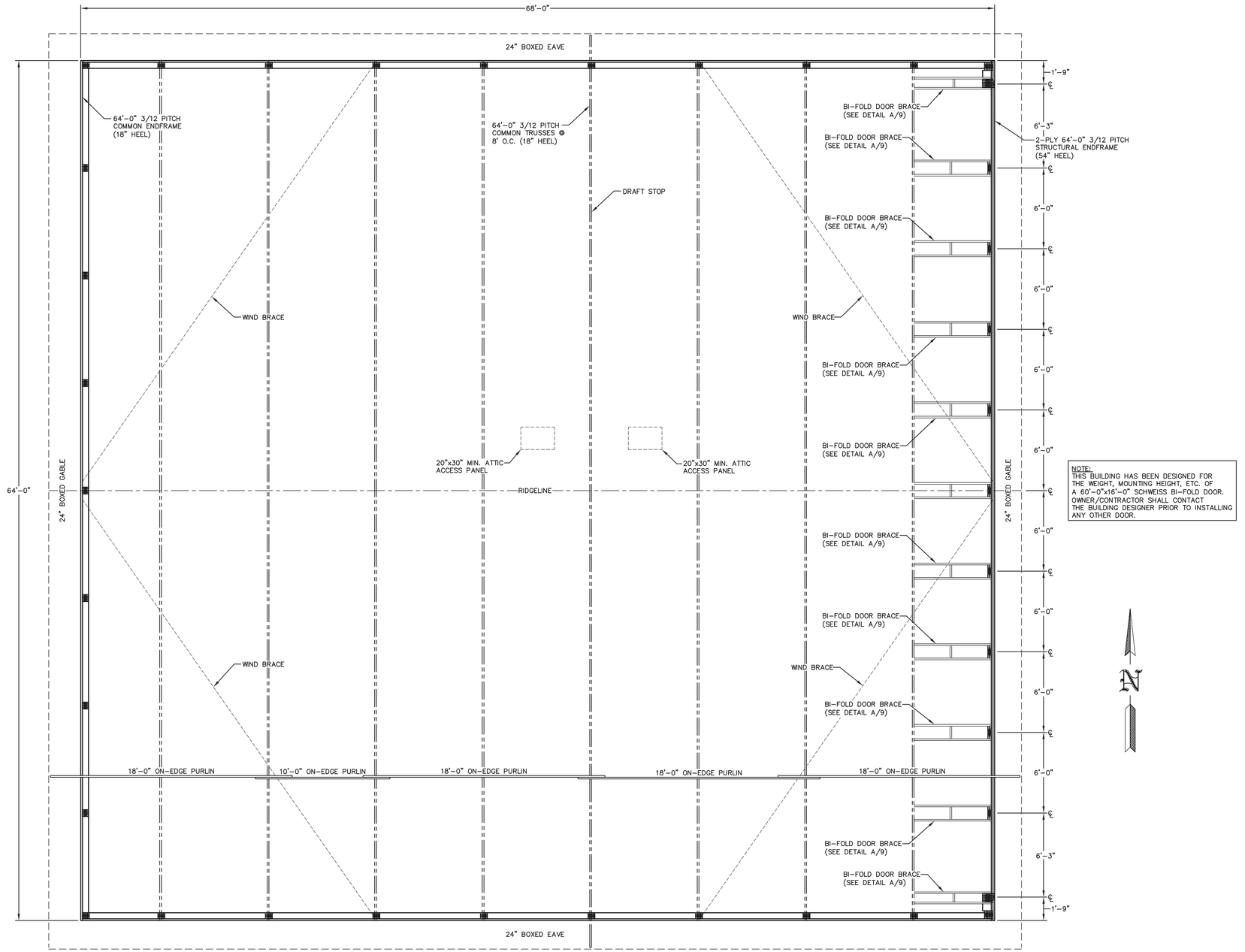
REVISIONS

NO	DATE	DESCRIPTION	BY
1	8/18/25	ADDED SERVICE DOOR	NDP
2			

SHEET TITLE:
FLOOR PLAN

FILE NAME: SH26825WI

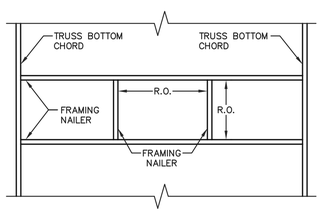
SHEET NO.
S5



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

NOTE:
THIS BUILDING HAS BEEN DESIGNED FOR THE WEIGHT, MOUNTING HEIGHT, ETC. OF A 60'-0"x16'-0" SCHWEISS BI-FOLD DOOR. OWNER/CONTRACTOR SHALL CONTACT THE BUILDING DESIGNER PRIOR TO INSTALLING ANY OTHER DOOR.

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)

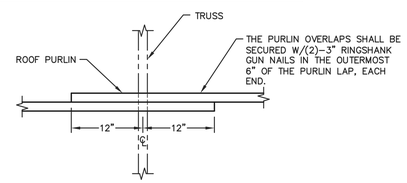


ATTIC ACCESS FRAMING
SCALE: 1/2"=1'-0"

NOTE:
WIND BRACE SHALL BE A 2x4 PLACED ON THE UNDERSIDE OF THE ROOF PURLINS. WIND BRACE SHALL BE SECURED W/(2)-3" RINGSHANK GUN NAILS AT EACH END AND W/(1)-3" RINGSHANK GUN NAIL AT EACH BRACE TO PURLIN LOCATION.

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

NOTE:
2x4 ROOF PURLINS (ON-EDGE) AT 24" O.C. ROOF PURLINS ARE TO BE SECURED TO THE TRUSS W/(1)-60d RINGSHANK NAIL AT EACH PURLIN TO TRUSS LOCATION.



A/6 PURLIN OVERLAP DETAIL
SCALE: 1"=1'-0"

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PROJECT TITLE:
BRAD GROOMS
1741 RIVER DRIVE
WATERTOWN, WI

PROF. ENGINEER:	NATE PELESCHAK
PLAN DESIGNER:	LOUISE BRISKI
DRAWN BY:	JMS
DATE:	7/2/2025
SCALE:	AS NOTED

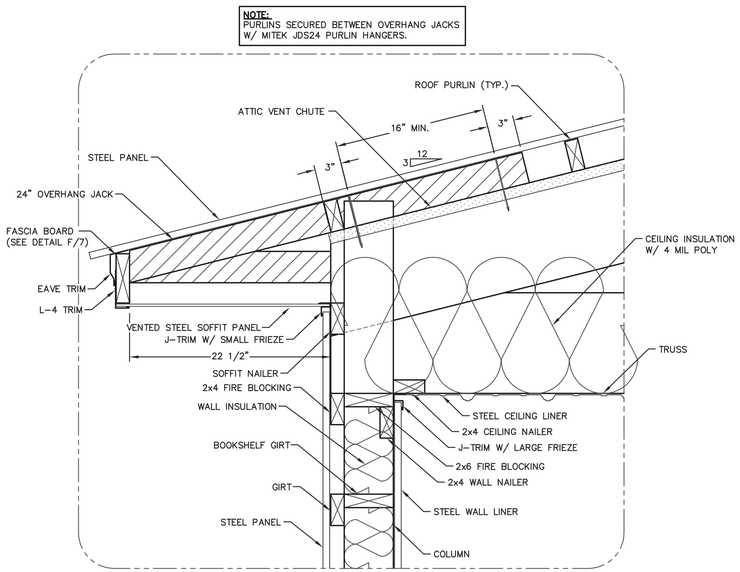
REVISIONS

NO	DATE	DESCRIPTION	BY
1			
2			

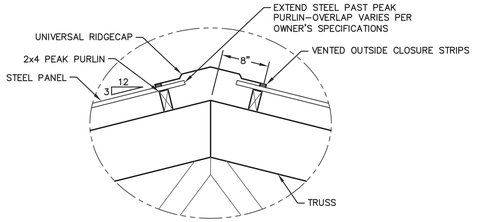
SHEET TITLE:
ROOF FRAMING PLAN

FILE NAME: SH26825WI

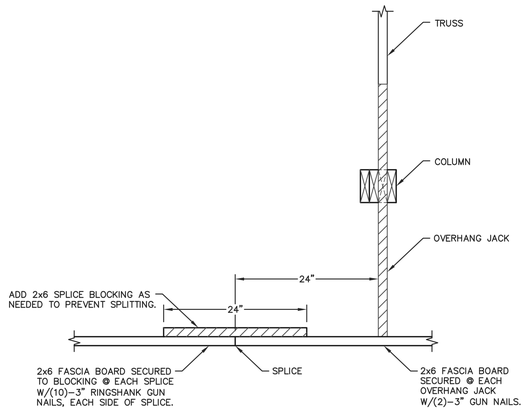
SHEET NO.
S6



D/7 24" BOXED EAVE DETAIL
SCALE: 1 1/2"=1'-0"



E/7 PEAK PURLIN DETAIL
SCALE: 1"=1'-0"



F/7 FASCIA BOARD DETAIL
SCALE: 1"=1'-0"

SIDEWALL SECTION FASTENER NOTES

OVERHANG JACK:
OVERHANG JACKS SECURED TO TRUSS WITH (2)-60d RINGSHANK NAILS.

SOFFIT NAILER:
SOFFIT NAILER SECURED WITH (2)-3" RINGSHANK GUN NAILS AT EACH SOFFIT NAILER TO COLUMN LOCATION.

WALL GIRTS:
WALL GIRTS SECURED WITH (3)-3" RINGSHANK GUN NAILS AT EACH GIRT TO COLUMN LOCATION.

WAINSCOT NAILER:
WAINSCOT NAILER SECURED WITH (3)-3" RINGSHANK GUN NAILS AT EACH WAINSCOT NAILER TO COLUMN LOCATION.

TREATED SILL PLATE:
TREATED SILL PLATE SECURED TO CONCRETE FLOOR WITH 1/4"x 3 1/4" CONCRETE SCREWS AT 24" O.C. (STAGGERED)

INTERIOR TREATED GRADEBOARD:
TREATED GRADEBOARD SECURED WITH (2)-3" RINGSHANK GUN NAILS AT EACH GRADEBOARD TO COLUMN LOCATION.

EXTERIOR TREATED GRADEBOARD:
TREATED GRADEBOARD SECURED WITH (4)-3" RINGSHANK GUN NAILS AT EACH GRADEBOARD TO COLUMN LOCATION. EACH BLOCK.

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.

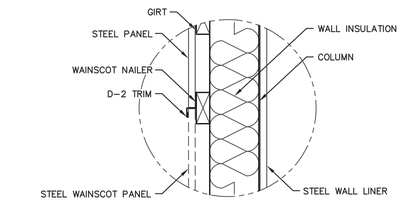
NOTE:
CONCEALED WALL SPACES SHALL HAVE FIRE BLOCKING AT CEILING AND FLOOR LEVELS AND HORIZONTAL INTERVALS NOT EXCEEDING 10' PER IBC 718.2. FIRE BLOCKING MAY CONSIST OF TWO INCH NOMINAL MATERIAL OR INSULATION MEETING IBC REQUIREMENTS.

FOAM INSULATION NOTES:
-SURFACE-BURNING CHARACTERISTICS:
FOAM PLASTIC INSULATION AND FOAM CORES OF MANUFACTURED ASSEMBLIES SHALL HAVE A FLAME SPEAD INDEX OF NOT MORE THAN 75 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 450 WHERE TESTED IN THE MAXIMUM THICKNESS INTENDED FOR USE IN ACCORDANCE WITH ASTM E84 OR UL 723. LOOSE FILL-TYPE FOAM PLASTIC INSULATION SHALL BE TESTED AS BOARD STOCK FOR THE FLAME SPREAD AND SMOKE-DEVELOPED INDICES.

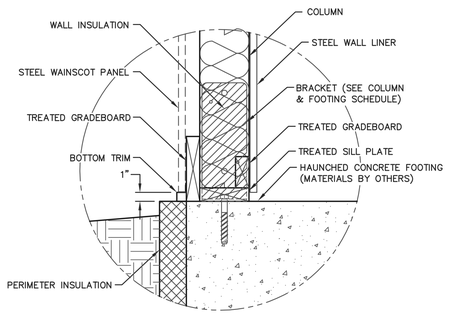
-THERMAL BARRIER:
FOAM PLASTIC SHALL BE SEPARATED FROM THE INTERIOR OF BUILDING BY AN APPROVED THERMAL BARRIER OF 1/2" (12.7MM) GYPSUM WALLBOARD, HEAVY TIMBER IN ACCORDANCE WITH SECTION 602.4 OR A MATERIAL THAT IS TESTED IN ACCORDANCE WITH AND MEETS THE ACCEPTANCE CRITERIA OF BOTH THE TEMPERATURE TRANSMISSION FIRE TEST AND INTEGRITY FIRE TEST OF NFPA 275. COMBUSTIBLE CONCEALED SPACES SHALL COMPLY WITH SECTION 718.

-ATTIC AND CRAWL SPACES:
WITHIN AN ATTIC OR CRAWL SPACE WHERE ENTRY IS MADE ONLY FOR SERVICE OF UTILITIES, FOAM PLASTIC INSULATION SHALL BE PROTECTED AGAINST IGNITION BY 1 1/2 INCH-THICK (38MM) MINERAL FIBER INSULATION, 1/4" THICK (6.4 mm) WOOD STRUCTURAL PANEL, PARTICLE BOARD OR HARDBOARD; 3/8" (9.5mm) GYPSUM WALLBOARD, CORROSION-RESISTANT STEEL HAVING A BASE METAL THICKNESS OF 0.016" (0.4 mm); 1 1/2" THICK (38mm) SELF-SUPPORTED SPRAY-APPLIED CELLULOSE INSULATION IN ATTIC SPACES ONLY OR OTHER APPROVED MATERIAL INSTALLED IN SUCH A MANNER THAT THE FOAM PLASTIC INSULATION IS NOT EXPOSED. THE PROTECTIVE COVERING SHALL BE CONSISTENT WITH THE REQUIREMENTS FOR THE TYPE OF CONSTRUCTION.

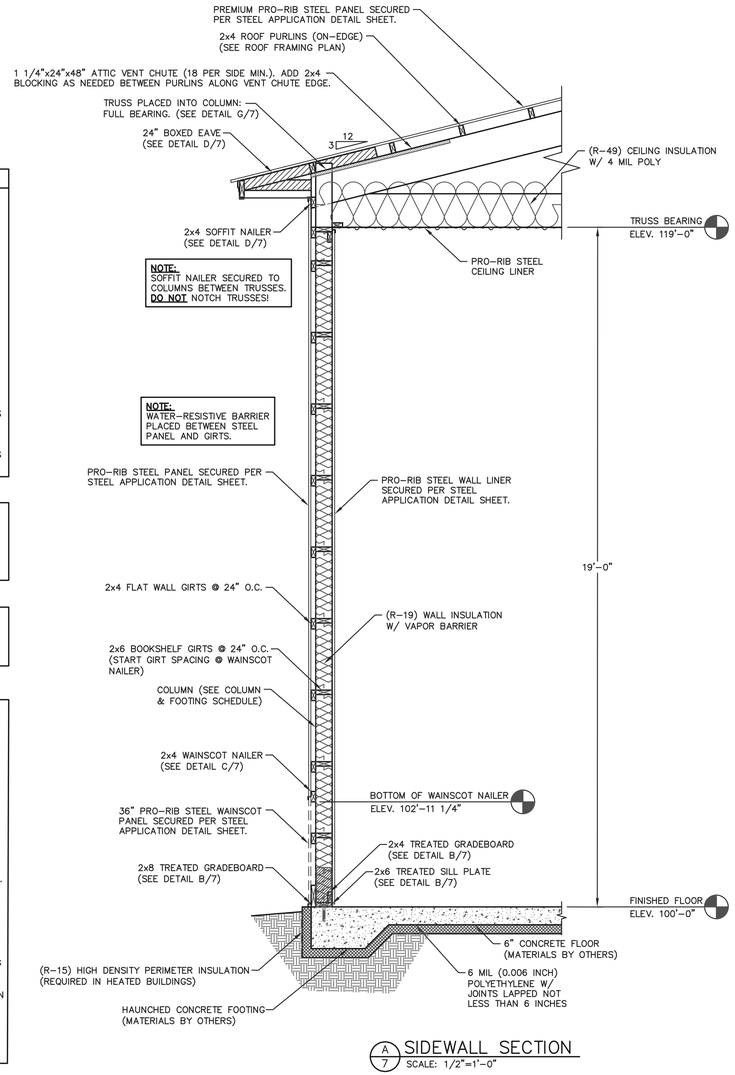
NOTE:
BATTING SHOWN FOR CLARITY.



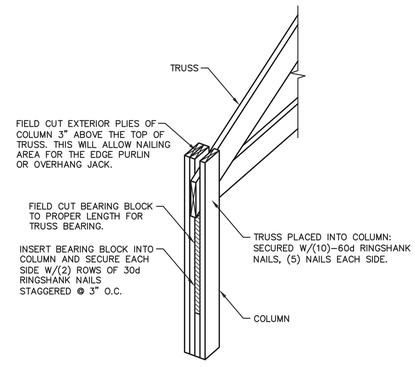
C/7 D-2 TRIM DETAIL
SCALE: 1 1/2"=1'-0"



B/7 GRADE DETAIL
SCALE: 1 1/2"=1'-0"



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



G/7 TRUSS INSTALLATION DETAIL
NOT TO SCALE

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Nathan Peleschak

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CERTIFICATE OF AUTHORIZATION: 3224
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PROJECT TITLE:
BRAD GROOMS
1741 RIVER DRIVE
WATERTOWN, WI

PROF. ENGINEER:	NATE PELESCHAK
PLAN DESIGNER:	LOUISE BRISKI
DRAWN BY:	JMS
DATE:	7/2/2025
SCALE:	AS NOTED

REVISIONS

NO	DATE	DESCRIPTION	BY
1			
2			

SHEET TITLE:
SIDEWALL SECTION AND SECTION DETAILS

FILE NAME: SH26825WI

SHEET NO.
S7

ENDWALL SECTION FASTENER NOTES

WALL GIRTS:
WALL GIRTS SECURED WITH (3)–3" RINGSHANK GUN NAILS AT EACH GIRT TO COLUMN LOCATION.

WAINSCOT NAILER:
WAINSCOT NAILER SECURED WITH (3)–3" RINGSHANK GUN NAILS AT EACH WAINSCOT NAILER TO COLUMN LOCATION.

TREATED SILL PLATE:
TREATED SILL PLATE SECURED TO CONCRETE FLOOR WITH 1/4"x 3 1/4" CONCRETE SCREWS AT 24" O.C. (STAGGERED)

INTERIOR TREATED GRADEBOARD:
TREATED GRADEBOARD SECURED WITH (2)–3" RINGSHANK GUN NAILS AT EACH GRADEBOARD TO COLUMN LOCATION.

EXTERIOR TREATED GRADEBOARD:
TREATED GRADEBOARD SECURED WITH (4)–3" RINGSHANK GUN NAILS AT EACH GRADEBOARD TO COLUMN LOCATION. EACH BLOCK.

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.

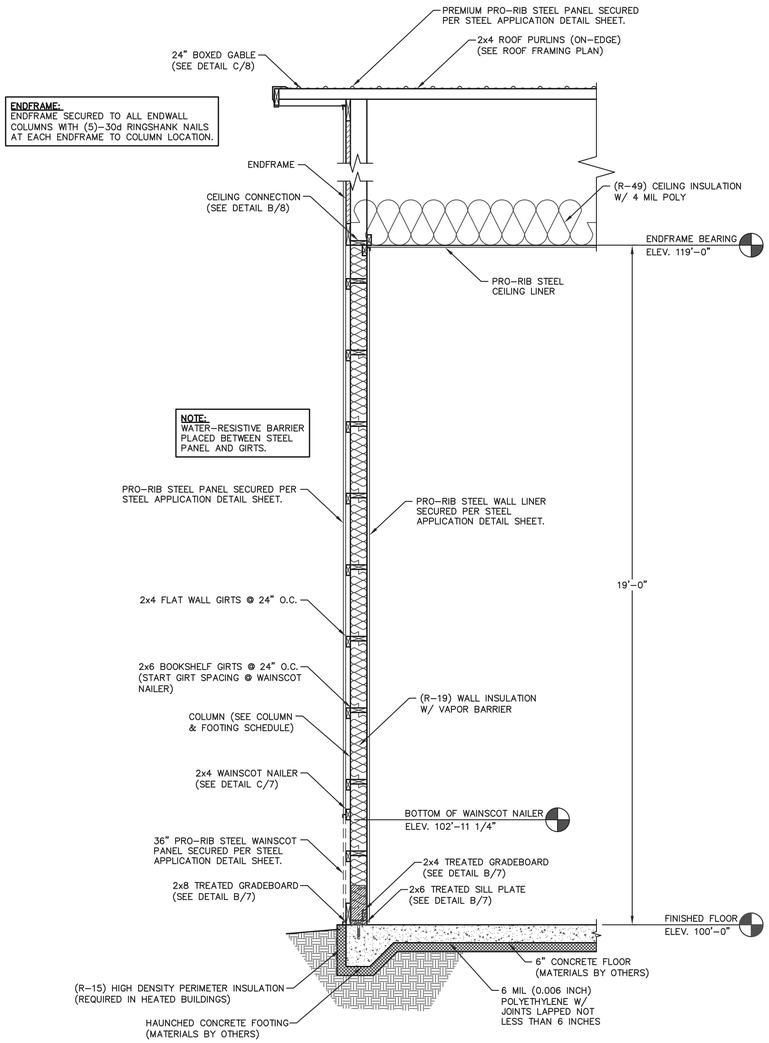
NOTE:
CONCEALED WALL SPACES SHALL HAVE FIRE BLOCKING AT CEILING AND FLOOR LEVELS AND HORIZONTAL INTERVALS NOT EXCEEDING 10' PER IBC 718.2. FIRE BLOCKING MAY CONSIST OF TWO INCH NOMINAL MATERIAL OR INSULATION MEETING IBC REQUIREMENTS.

FOAM INSULATION NOTES:
–SURFACE–BURNING CHARACTERISTICS:
FOAM PLASTIC INSULATION AND FOAM CORES OF MANUFACTURED ASSEMBLIES SHALL HAVE A FLAME SPEAD INDEX OF NOT MORE THAN 75 AND A SMOKE–DEVELOPED INDEX OF NOT MORE THAN 450 WHERE TESTED IN THE MAXIMUM THICKNESS INTENDED FOR USE IN ACCORDANCE WITH ASTM E84 OR UL 723. LOOSE FILL–TYPE FOAM PLASTIC INSULATION SHALL BE TESTED AS BOARD STOCK FOR THE FLAME SPREAD AND SMOKE–DEVELOPED INDICES.

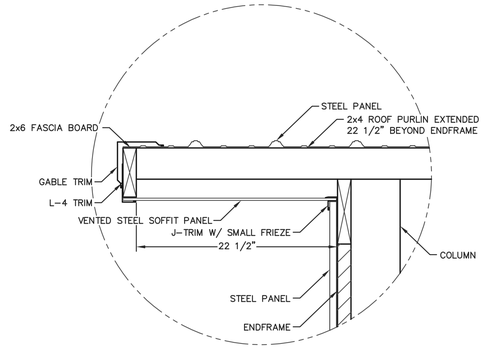
–THERMAL BARRIER:
FOAM PLASTIC SHALL BE SEPARATED FROM THE INTERIOR OF BUILDING BY AN APPROVED THERMAL BARRIER OF 1/2" (12.7MM) GYPSUM WALLBOARD, HEAVY TIMBER IN ACCORDANCE WITH SECTION 602.4 OR A MATERIAL THAT IS TESTED IN ACCORDANCE WITH AND MEETS THE ACCEPTANCE CRITERIA OF BOTH THE TEMPERATURE TRANSMISSION FIRE TEST AND INTEGRITY FIRE TEST OF NFPA 275. COMBUSTIBLE CONCEALED SPACES SHALL COMPLY WITH SECTION 718.

–ATTIC AND CRAWL SPACES:
WITHIN AN ATTIC OR CRAWL SPACE WHERE ENTRY IS MADE ONLY FOR SERVICE OF UTILITIES, FOAM PLASTIC INSULATION SHALL BE PROTECTED AGAINST IGNITION BY 1 1/2 INCH–THICK (38MM) MINERAL FIBER INSULATION, 1/4" THICK (6.4 mm) WOOD STRUCTURAL PANEL, PARTICLE BOARD OR HARDBOARD; 3/8" (9.5mm) GYPSUM WALLBOARD, CORROSION–RESISTANT STEEL HAVING A BASE METAL THICKNESS OF 0.016" (0.4 mm); 1 1/2" THICK (38mm) SELF–SUPPORTED SPRAY–APPLIED CELLULOSE INSULATION IN ATTIC SPACES ONLY OR OTHER APPROVED MATERIAL INSTALLED IN SUCH A MANNER THAT THE FOAM PLASTIC INSULATION IS NOT EXPOSED. THE PROTECTIVE COVERING SHALL BE CONSISTENT WITH THE REQUIREMENTS FOR THE TYPE OF CONSTRUCTION.

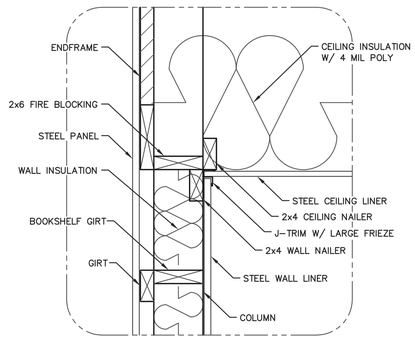
NOTE:
BATTING SHOWN FOR CLARITY.



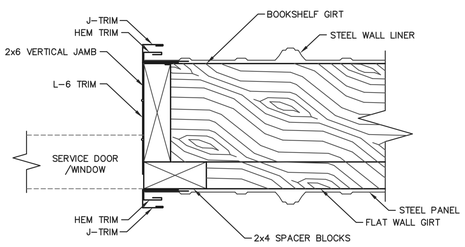
A/8 ENDWALL SECTION
SCALE: 1/2"=1'–0"



C/8 24" BOXED GABLE DETAIL
SCALE: 1 1/2"=1'–0"



B/8 CEILING CONNECTION DETAIL
SCALE: 1 1/2"=1'–0"



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

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PROJECT TITLE:
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1741 RIVER DRIVE
WATERTOWN, WI

PROF. ENGINEER:	NATE PELESCHAK
PLAN DESIGNER:	LOUISE BRISKI
DRAWN BY:	JMS
DATE:	7/2/2025
SCALE:	AS NOTED

REVISIONS

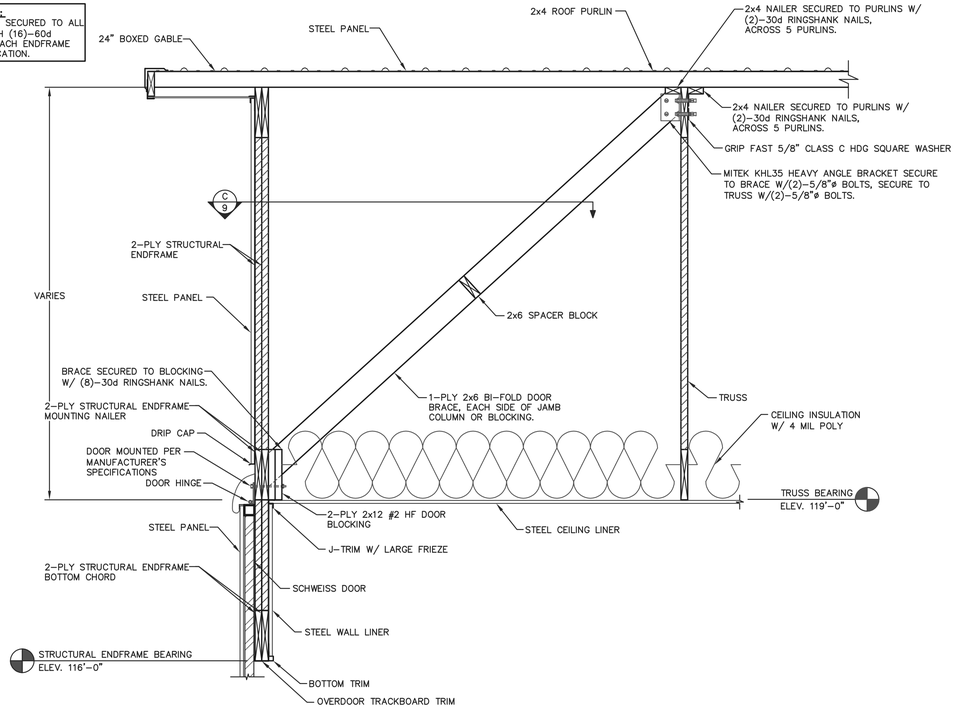
NO	DATE	DESCRIPTION	BY
1			
2			

SHEET TITLE:
ENDWALL SECTION AND SECTION DETAILS

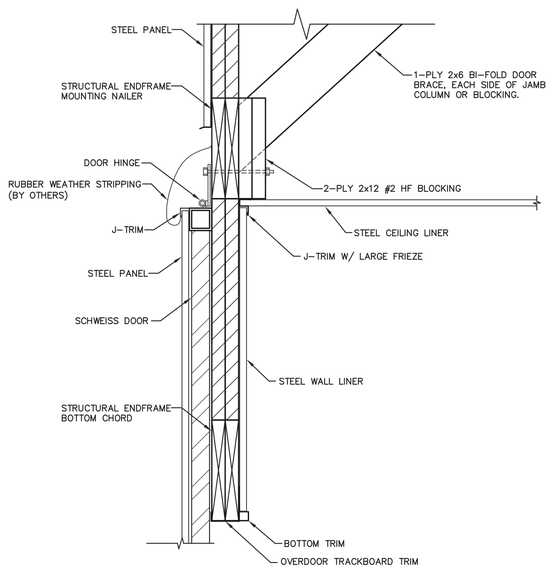
FILE NAME: SH26825WI

SHEET NO.
S8

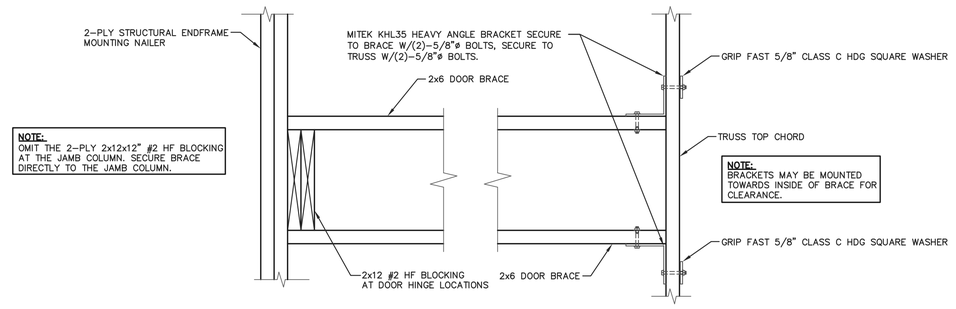
STRUCTURAL ENDFRAME:
STRUCTURAL ENDFRAME SECURED TO ALL ENDWALL COLUMNS WITH (16)-60d RINGSHANK NAILS AT EACH ENDFRAME CHORD TO COLUMN LOCATION.



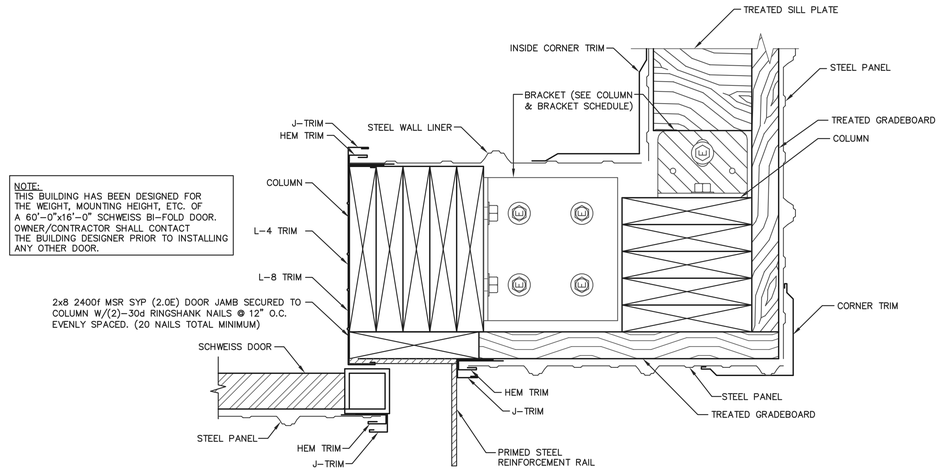
A 9 SCHWEISS BI-FOLD HYDRAULIC DOOR BRACE
SCALE: 3/4"=1'-0"



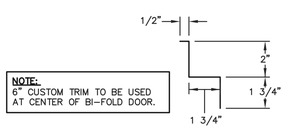
B 9 SCHWEISS BI-FOLD DOOR FRAME OUT
SCALE: 1 1/2"=1'-0"



C 9 DOOR BRACE TOP VIEW
SCALE: 1 1/2"=1'-0"



SCHWEISS BI-FOLD DOOR JAMB DETAIL
SCALE: 3"=1'-0"



6" CUSTOM TRIM
SCALE: 3"=1'-0"

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CERTIFICATE OF AUTHORIZATION: 3224

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ENGINEERING@MIDWESTMANUFACTURING.COM

PROJECT TITLE:
BRAD GROOMS
1741 RIVER DRIVE
WATERTOWN, WI

PROF. ENGINEER:	NATE PELESCHAK
PLAN DESIGNER:	LOUISE BRISKI
DRAWN BY:	JMS
DATE:	7/2/2025
SCALE:	AS NOTED

REVISIONS

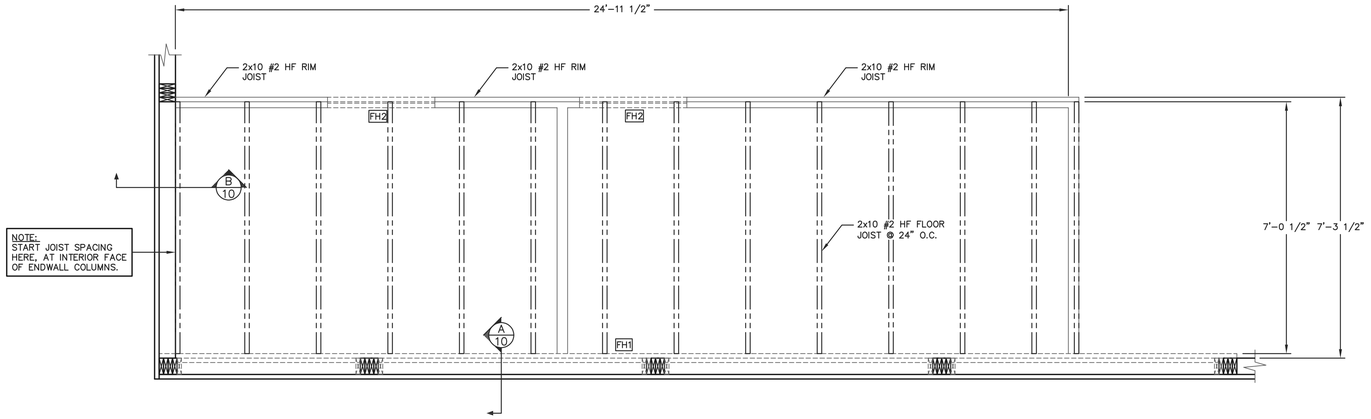
NO	DATE	DESCRIPTION	BY
1			
2			

SHEET TITLE:
BI-FOLD DOOR DETAILS

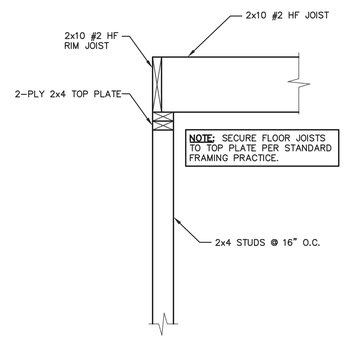
FILE NAME: SH26825WI

SHEET NO.
S9

NOTE:
SECURE FLOOR JOISTS TO TOP PLATE/RIM JOIST PER STANDARD FRAMING PRACTICES.



EQUIPMENT PLATFORM FLOOR FRAMING PLAN
SCALE: 1/2"=1'-0"

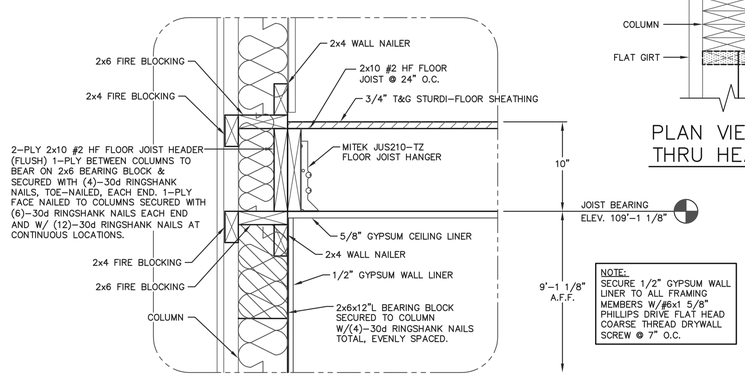


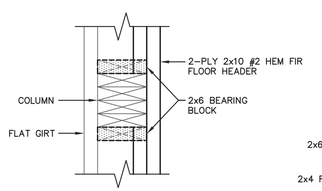
D 10 FLOOR JOIST @ STUD WALL DETAIL
SCALE: 1"=1'-0"

FLOOR HEADER SCHEDULE		
LABEL	DESCRIPTION	REFERENCE DETAIL
FH1	2-PLY 2x10 #2 HEM FIR (FLUSH)	A/10
FH2	2-PLY 2x6 @ SERVICE DOOR (DROPPED)	C/10

NOTE:
MULTI-PLY HEADERS SHALL BE SECURED TOGETHER AS PER WFCM OR MANUFACTURER'S SPECIFICATIONS.

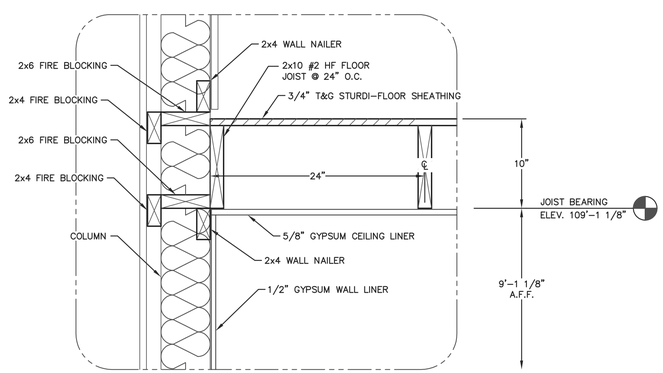
NOTE:
SEE DETAIL **A/7** FOR BALANCE OF BUILDING FRAMING AND FINISHES.

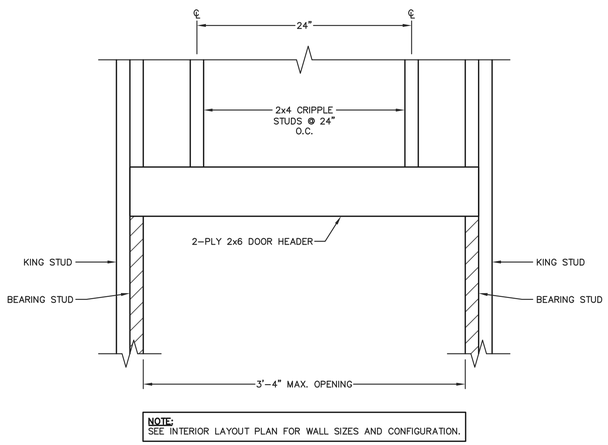




PLAN VIEW THRU HEADER

NOTE:
SEE DETAIL **A/8** FOR BALANCE OF BUILDING FRAMING AND FINISHES.





NOTE:
SEE INTERIOR LAYOUT PLAN FOR WALL SIZES AND CONFIGURATION.

A 10 FLOOR SYSTEM PERPENDICULAR TO WALL
SCALE: 1 1/2"=1'-0"

B 10 FLOOR SYSTEM PARALLEL TO WALL
SCALE: 1 1/2"=1'-0"

C 10 HEADER @ DOOR OPENING
SCALE: 1 1/2"=1'-0"

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DRAWN BY:	JMS
DATE:	7/2/2025
SCALE:	AS NOTED

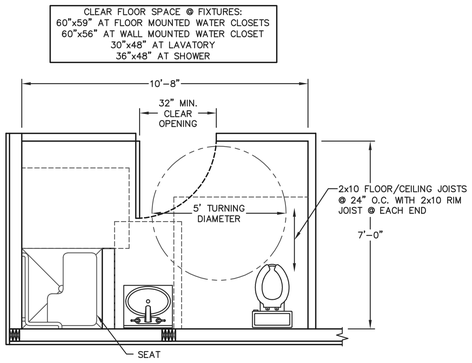
REVISIONS

NO	DATE	DESCRIPTION	BY
1			
2			

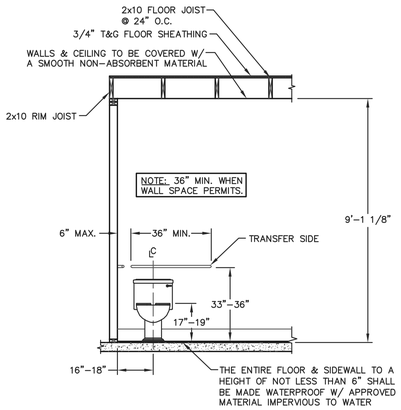
SHEET TITLE:
EQUIPMENT PLATFORM FLOOR FRAMING PLAN AND DETAILS

FILE NAME: SH26825WI

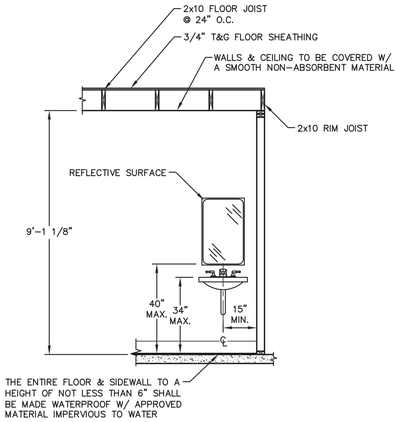
SHEET NO.
S10



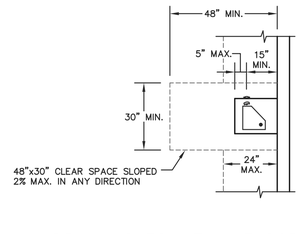
RESTROOM FLOOR PLAN
SCALE: 3/8"=1'-0"



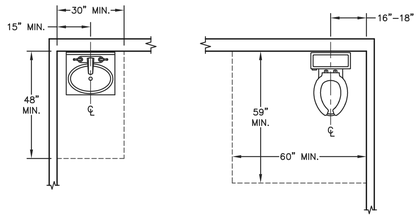
FRONT TOILET ELEVATION
SCALE: 3/8"=1'-0"



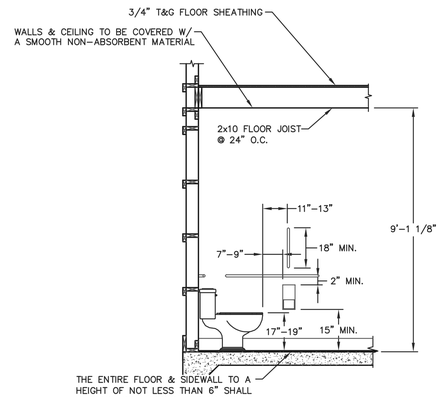
FRONT SINK ELEVATION
SCALE: 3/8"=1'-0"



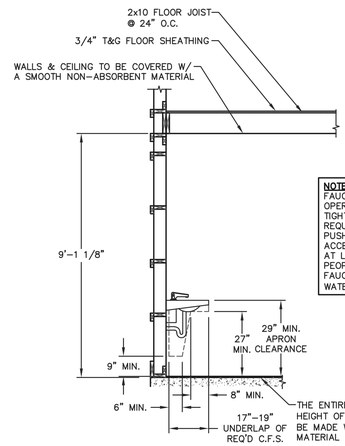
DRINKING FOUNTAIN FLOOR PLAN
SCALE: 3/8"=1'-0"



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

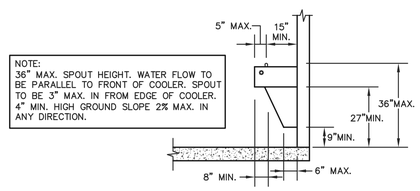


SIDE TOILET ELEVATION
SCALE: 3/8"=1'-0"

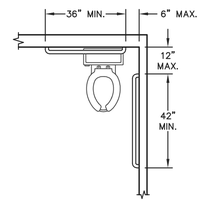


SIDE SINK ELEVATION
SCALE: 3/8"=1'-0"

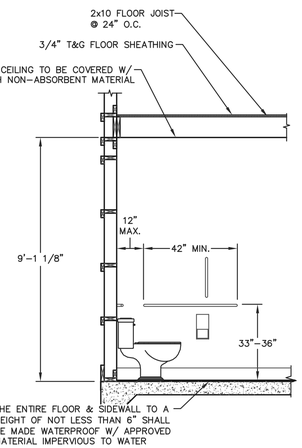
NOTE:
PER IBC 1109.5, 2 DRINKING FOUNTAINS SHALL BE PROVIDED WITHIN THE BUILDING, ONE LOW FOUNTAIN WITH MAXIMUM SPOUT HEIGHT OF 36" FOR A PERSON IN A WHEELCHAIR AND ONE HIGH FOUNTAIN WITH SPOUT HEIGHT BETWEEN 38" AND 43" FOR A STANDING PERSON. OTHERWISE A SINGLE DRINKING FOUNTAIN SUCH AS A WATER COOLER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



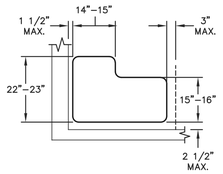
DRINKING FOUNTAIN SIDE ELEV.
SCALE: 3/8"=1'-0"



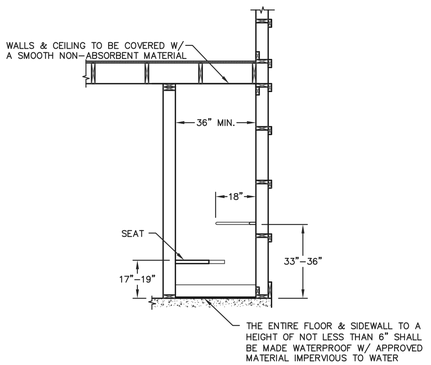
GRAB BAR LOCATIONS
SCALE: 3/8"=1'-0"



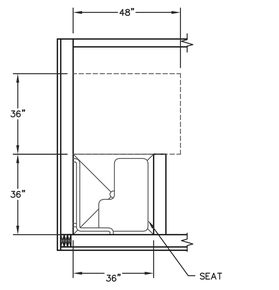
SIDE TOILET ELEVATION
SCALE: 3/8"=1'-0"



SHOWER SEAT DETAIL
SCALE: 3/8"=1'-0"



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



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

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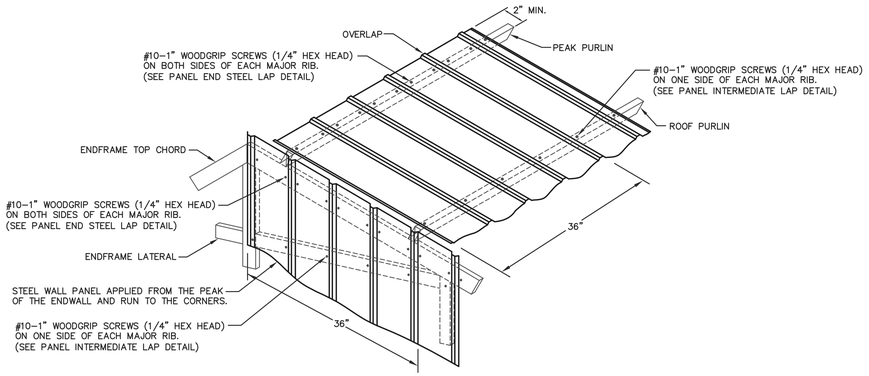
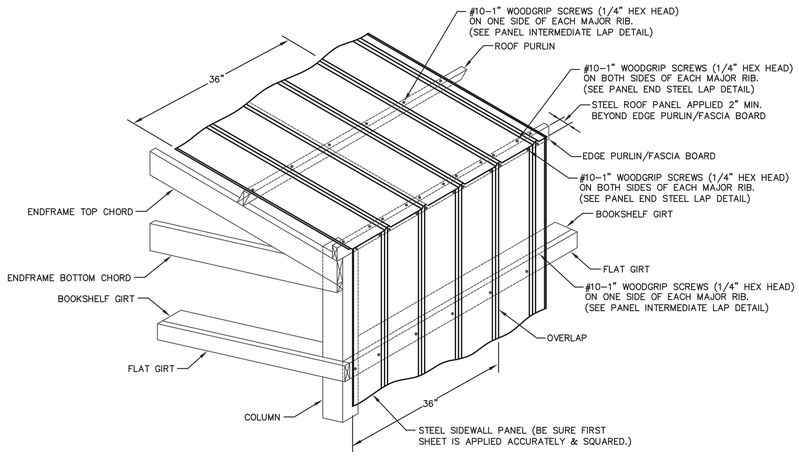
SHEET TITLE:
RESTROOM DETAILS

FILE NAME: SH26825WI

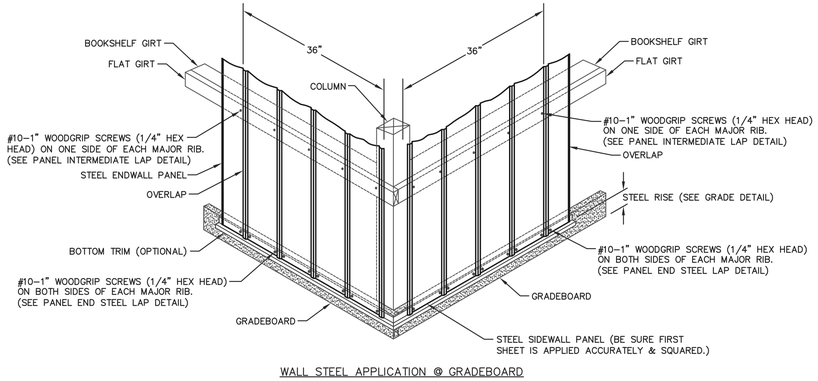
SHEET NO.
S11



ROOF & ENDWALL STEEL APPLICATION @ GABLE PEAK & INTERMEDIATE



ROOF & SIDEWALL STEEL APPLICATION @ EAVE

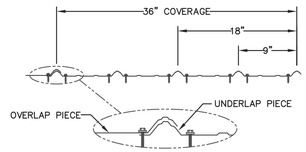


WALL STEEL APPLICATION @ GRADEBOARD

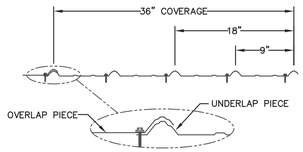
STEEL APPLICATION DETAILS

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.

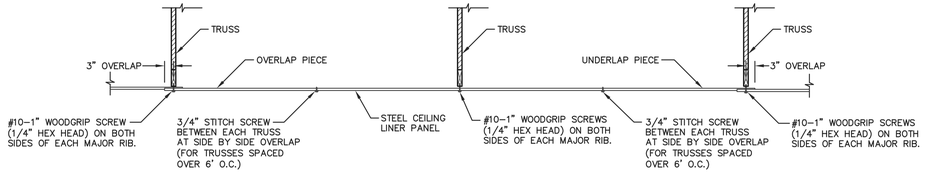


PANEL END STEEL LAP DETAIL
NOT TO SCALE

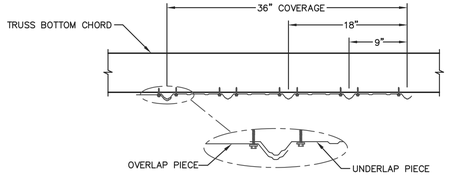


PANEL INTERMEDIATE LAP DETAIL
NOT TO SCALE

NOTE:
THE RECOMMENDED PROCEDURE FOR APPLYING CEILING LINER IS:
APPLYING 1" WOODGRIP SCREWS FROM ONE END OF THE PANEL, HOLDING THE PANEL FLAT TO THE BOTTOM CHORD OF THE TRUSSES AND BETWEEN THE TRUSSES, THEN APPLYING ONE SCREW ON BOTH SIDES OF EVERY MAJOR RIB INTO THE FIRST TRUSS. THEN EACH INTERMEDIATE TRUSS, THEN FINALLY AT THE LAST TRUSS WHERE THE PANEL WILL OVERLAP THE TRUSS 3". THE NEXT PANEL ATTACHED TO THE TRUSS WITH 1" OR LONGER WOODGRIP SCREWS ON BOTH SIDES OF EVERY MAJOR RIB. FOR TRUSSES SPACED OVER 6' O.C., A STITCH SCREW NEEDS TO BE APPLIED AT THE SIDE BY SIDE OVERLAP OF THE PANEL NEXT TO IT HALF WAY BETWEEN EACH TRUSS.



STEEL APPLICATION DETAIL @ CEILING LINER
SCALE: NOT TO SCALE



STEEL CEILING LINER-LAP DETAIL
NOT TO SCALE

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2			

SHEET TITLE: STEEL APPLICATION DETAILS

FILE NAME: SH26825WI

SHEET NO.
S12