



CITY OF SHEBOYGAN
ARCHITECTURAL REVIEW
APPLICATION

Fee: _____

Review Date: _____

Read all instructions before completing. If additional space is needed, attach additional pages.

SECTION 1: Applicant/ Permittee Information

Name (Ind., Org. or Entity) KURT DAVIS - ABACUS	Authorized Representative KURT DAVIS	Title ARCHITECT	
Mailing Address 1135A MICHIGAN AVE.	City SHEBOYGAN	State WI	ZIP Code 53081
Email Address KDAVIS@ABACUSARCHITECTS.NET	Phone Number (incl. area code) 920-207-4829		

SECTION 2: Landowner Information (Complete These Fields When Project Site Owner is Different than Applicant)

Name (Ind., Org. or Entity) VOLZATH CO., LLC	Contact Person GARY SAUER	Title FACILITIES DIRECTOR	
Mailing Address 1236 NORTH 18th P.O. 611	City SHEBOYGAN	State WI	ZIP Code 53081
Email Address GARY.SAUER@VOLZATHCO.COM	Phone Number (incl. area code) 1-920-459-5205		

SECTION 3: Architect Information

Name KURT DAVIS			
Mailing Address 1135A MICHIGAN	City SHEBOYGAN	State WI	Zip 53081
Email Address KDAVIS@ABACUSARCHITECTS.NET	Phone Number (incl. area code) 920-207-4829		

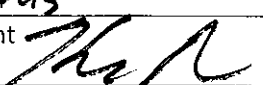
SECTION 4: Contractor Information

Name TBD			
Mailing Address	City	State	Zip
Email Address	Phone Number (incl. area code)		

SECTION 5: Certification and Permission

Certification: I hereby certify that I am the owner or authorized representative of the owner of the property which is the subject of this Architectural Review Application. I certify that the information contained in this form and attachments are true and accurate. I certify that the project will be in compliance with all conditions. I understand that failure to comply with any or all of the provisions of the permit may result in permit revocation and a fine and/or forfeiture under the provisions of applicable laws.

Permission: I hereby give the City permission to enter and inspect the property at reasonable times, to evaluate this notice and application, and to determine compliance with any resulting permit coverage.

Name of Owner/Authorized Representative (please print) KURT DAVIS	Title ARCHITECT	Phone Number 920-207-4829
Signature of Applicant 		Date Signed 2-17-25

Complete application is to be filed with the Department of City Development, 828 Center Avenue, Suite 208. To be placed on the agenda of the Architectural Review Board, application must be filed three weeks prior to date of meeting – check with City Development on application submittal deadline date. Applications will not be processed if all required attachments and filing fee of \$100 (payable to the City of Sheboygan) are not submitted along with a complete and legible application. Application filing fee is non-refundable.

SECTION 6: Description of the Subject Site/Proposed Project

Project Address/Description 1236 N 18 th STREET		Parcel No. 59281214074
Name of Proposed/Existing Business:	VOLLRATH CO., INC.	
Address of Property Affected:	1236 N th 18 th ST. SHEBOYGAN, WI 53081	
Zoning Classification:	SUBURBAN - INDUSTRIAL	
New Building: <input checked="" type="checkbox"/>	Addition: <input type="checkbox"/>	Remodeling: <input type="checkbox"/>

SECTION 7: Description of Proposed Project

VOLLRATH CO., INC. IS CONSTRUCTING A NEW 40' X 60' METAL ROOF BUILDING ON EXISTING PARCEL TO BE USED FOR STORAGE IN PLACE OF AREA (BUILDING) TO BE REMOVED AS PART OF A MASTER PLAN FOR NEW BUILDING STRUCTURE(S)

SECTION 8: Description of EXISTING Exterior Design and Materials

N/A

SECTION 9: Description of the PROPOSED Exterior Design and Materials

CLEARLY BUILDING SYSTEMS PLANS ARE ATTACHED TO THIS APPLICATION. EXTERIOR WALL, ROOF FINISHES ARE INCLUDED.

February 18th, 2025

City of Sheboygan
828 Center Avenue
Sheboygan, WI 53081

ARCHITCTURAL PLAN REVIEW

*The Vollrath Company, Inc. – Pole Building
Sheboygan, WI*

PROJECT DESCRIPTION

The Vollrath Co., Inc. will be constructing a new Metal Pole Building (approx. 40' x 60') on their property to accommodate storage needs for equipment. This is required as they prepare for new and improve existing building areas to accommodate future growth.

The structure itself is a Pre-Engineered Metal Pole Building (plans attached). This type of Architectural Design will match existing buildings on the Vollrath Campus and surrounding buildings such as S.E.A.S. on the Northeast corner of 18th and Superior Avenue.

Sincerely,



Kurt Davis, Vice President
Abacus Architects, Inc.



P.O Box 930220
 Verona, WI 53593-0220
 Phone: (608) 845-9700
 Fax: (608) 845-7070

1/15/2025
 CHAPPA, TYLER
 Doc ID: 21183220250115125039

Cleary/Owner Project Proposal - Material Only

Roof Finish and Accessories for Building 1

Exterior Finishes

Roof: Premium Steel Panel
 - Lifetime Film Integrity Warranty, 35 Year Fade and Chalk Warranty, and G-90 Galvanizing Up to 1.0 ounce of Zinc Protection.

Ventilation

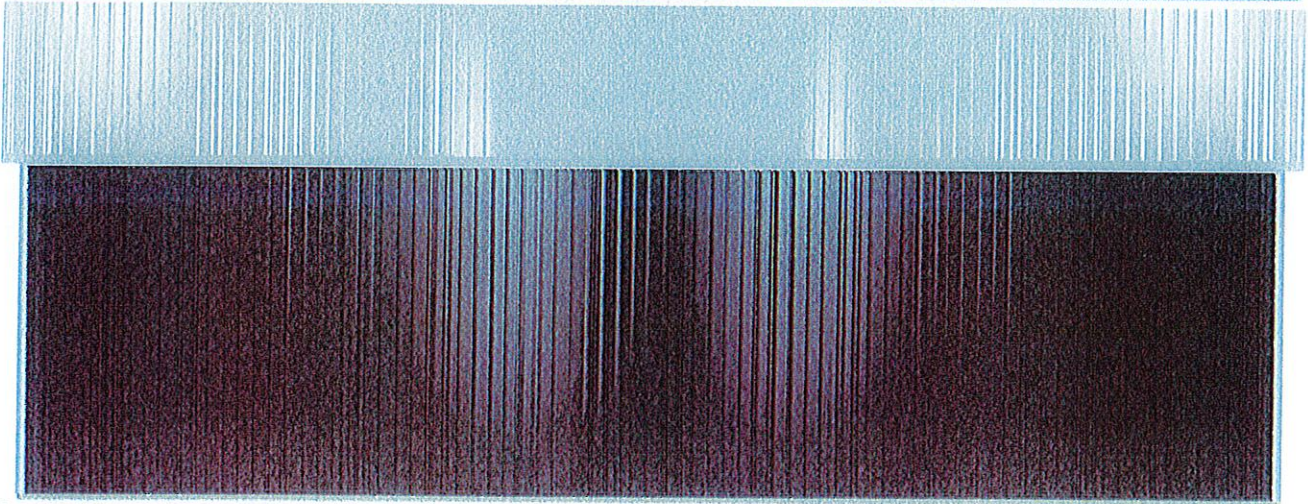
Roof
 Ridge Cap(s):
 62' 0" of Standard Ridge Cap. Marco LP2 Weather-Tite Ridge Vent "Low Profile" (Add ventilation to ridge).

Accessories

Roof
 Condensation Control for Building 1: None

 Weathervane: Cleary weathervane not included with building

Elevations for Building 1



South Side Wall 1 on Building 1

Note: These colors are as close to the actual colors as permitted by printing. Actual metal samples must be reviewed with your Sales Specialist. Colors vary depending upon position and angles.

Exterior Finishes

Side Wall 1 on Building 1
 Siding: Premium Steel Panel
 - Lifetime Film Integrity Warranty, 35 Year Fade and Chalk Warranty, and G-90 Galvanizing Up to 1.0 ounce of Zinc Protection.
 House Wrap: None
 Wainscot: None
 Eave Filler Strips: None



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1/15/2025
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Treated Plank Filler Strips: None

Ventilation

Side Wall 1 on Building 1

Overhang: 12" Aluminum soffit (Sidewall) with vented soffit

Bird Screening for the interior to prevent birds from nesting in overhang.

Accessories

Side Wall 1 on Building 1

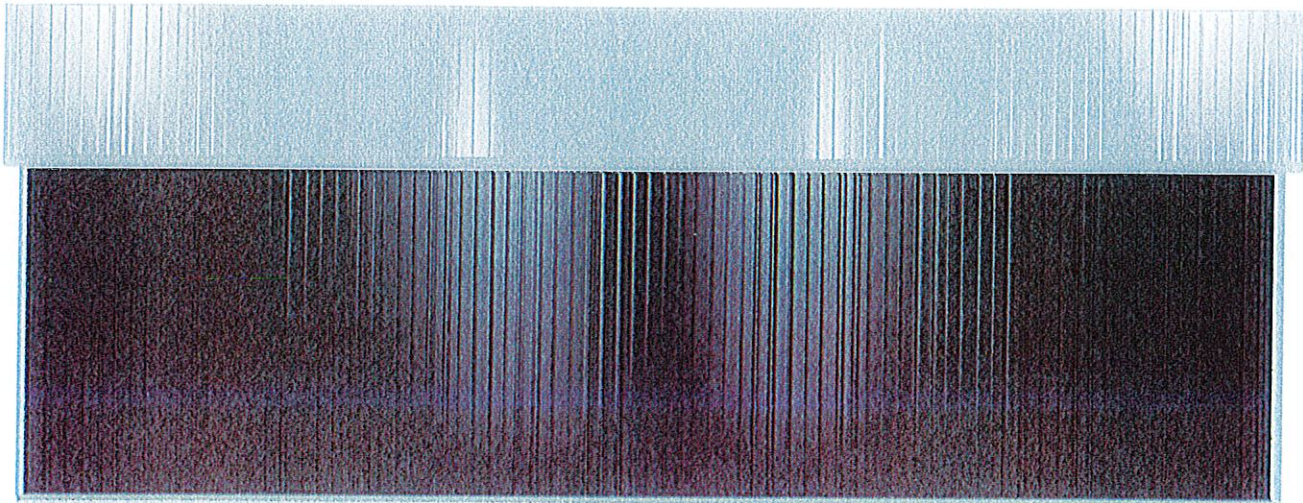
None

Interior Finishes / Insulation

Side Wall 1 on Building 1

Condensation Control: None

Insulation: None



North Side Wall 2 on Building 1

Note: These colors are as close to the actual colors as permitted by printing. Actual metal samples must be reviewed with your Sales Specialist. Colors vary depending upon position and angles.

Exterior Finishes

Side Wall 2 on Building 1

Siding: Premium Steel Panel

- Lifetime Film Integrity Warranty, 35 Year Fade and Chalk Warranty, and G-90 Galvanizing Up to 1.0 ounce of Zinc Protection.

House Wrap: None

Wainscot: None

Eave Filler Strips: None

Treated Plank Filler Strips: None

Ventilation

Side Wall 2 on Building 1

Overhang: 12" Aluminum soffit (Sidewall) with vented soffit

Bird Screening for the interior to prevent birds from nesting in overhang.

Accessories

C-110
v12/10

built with pride before the  *is applied*[®]

5 of 13



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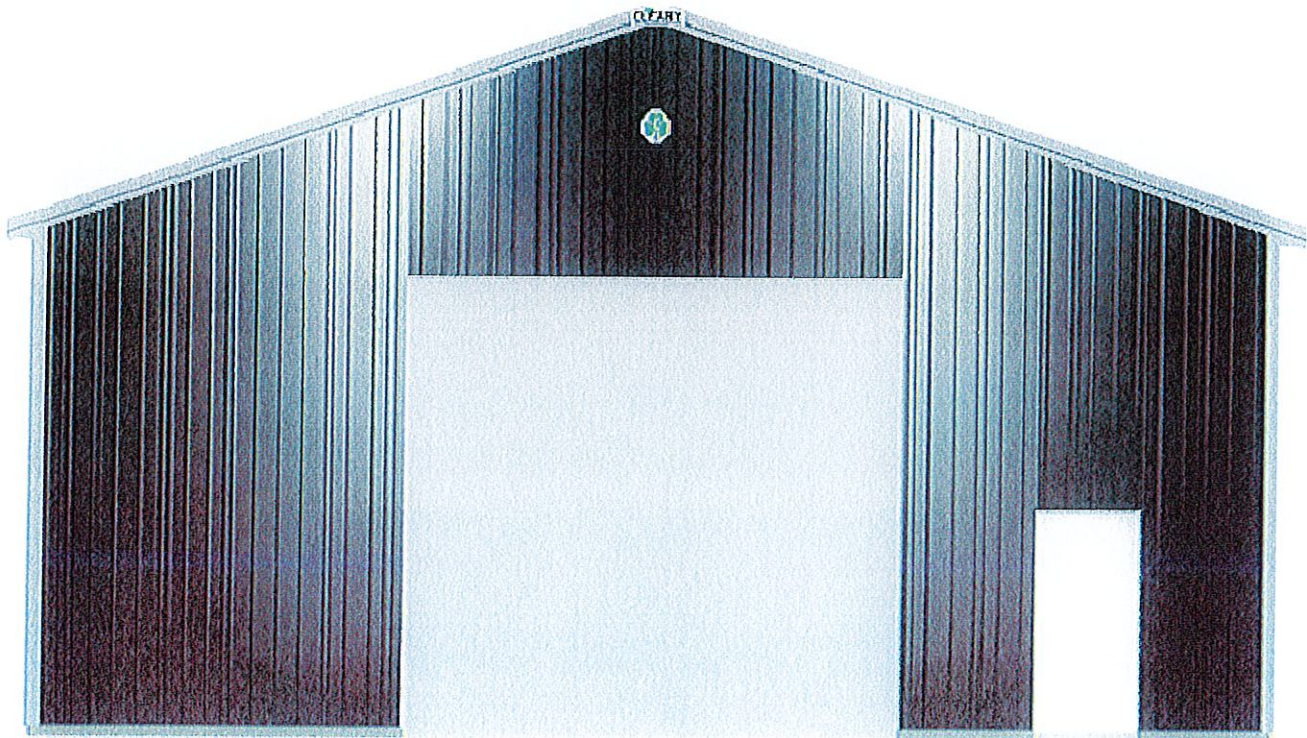
1/15/2025
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Cleary/Owner Project Proposal - Material Only

Side Wall 2 on Building 1
None

Interior Finishes / Insulation

Side Wall 2 on Building 1
Condensation Control: None
Insulation: None



East End Wall 1 on Building 1

Note: These colors are as close to the actual colors as permitted by printing. Actual metal samples must be reviewed with your Sales Specialist. Colors vary depending upon position and angles.

Exterior Finishes

End Wall 1 on Building 1
Siding: Premium Steel Panel
- Lifetime Film Integrity Warranty, 35 Year Fade and Chalk Warranty, and G-90 Galvanizing Up to 1.0 ounce of Zinc Protection.
House Wrap: None
Wainscot: None
Gable Filler Strips: Gable filler strips not included.
Treated Plank Filler Strips: None

Ventilation

End Wall 1 on Building 1
Overhang: 12" Aluminum soffit (Endwall) with vented soffit

C-110
v12/10

built with pride before the  *is applied*®



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Cleary/Owner Project Proposal - Material Only

Accessories

End Wall 1 on Building 1

Overhead Frame Out(s):

16' 0" Width x 14' 0" Height

Headroom Available: 1' 10"

Additional Header material required: Overhead Frame Out with 13" to 20" of Required Headroom without Liner

Distance from left edge of wall to left edge: 12' 0 1/4"

Distance from 100'+0" mark to bottom of the overhead frame out plus: 4"

Inside edge of overhead frame out to be trimmed with door edge.

OVERHEAD DOOR NOT INCLUDED UNLESS OTHERWISE NOTED IN WRITING IN THE ADDITIONAL BUILDING COMPONENTS OR CLOPAY BUILDING PRODUCTS SECTION.

Walk Door(s):

Standard, Steel Jamb 3 1/2" 3'-0"x6'-8"

Distance from left edge of wall to left edge: 32' 7"

Distance from 100'+0" mark to bottom of door plus: 4"

Anchor: ANCHOR KIT (WOOD)

Closer: No Closer

Dead Bolt: Key/Latch

Door Chain: No Chain

Embossment: No Embossment

Frame: 2x6

Hinge: 4" 304 STAINLESS STEEL FIXED PIN

Jamb: 3 1/2" Jamb

Kick Plate: No Kick Plate

Latch Guard: No Latch Guard

Latch: None

Lockset: Knob/Knob

Panic Hardware: No Panic Hardware

Skin: Blank

Swing: Right Hand Swing In Single Door

Window: None

Keyed Alike. Group 1

Interior Finishes / Insulation

End Wall 1 on Building 1

Condensation Control: None

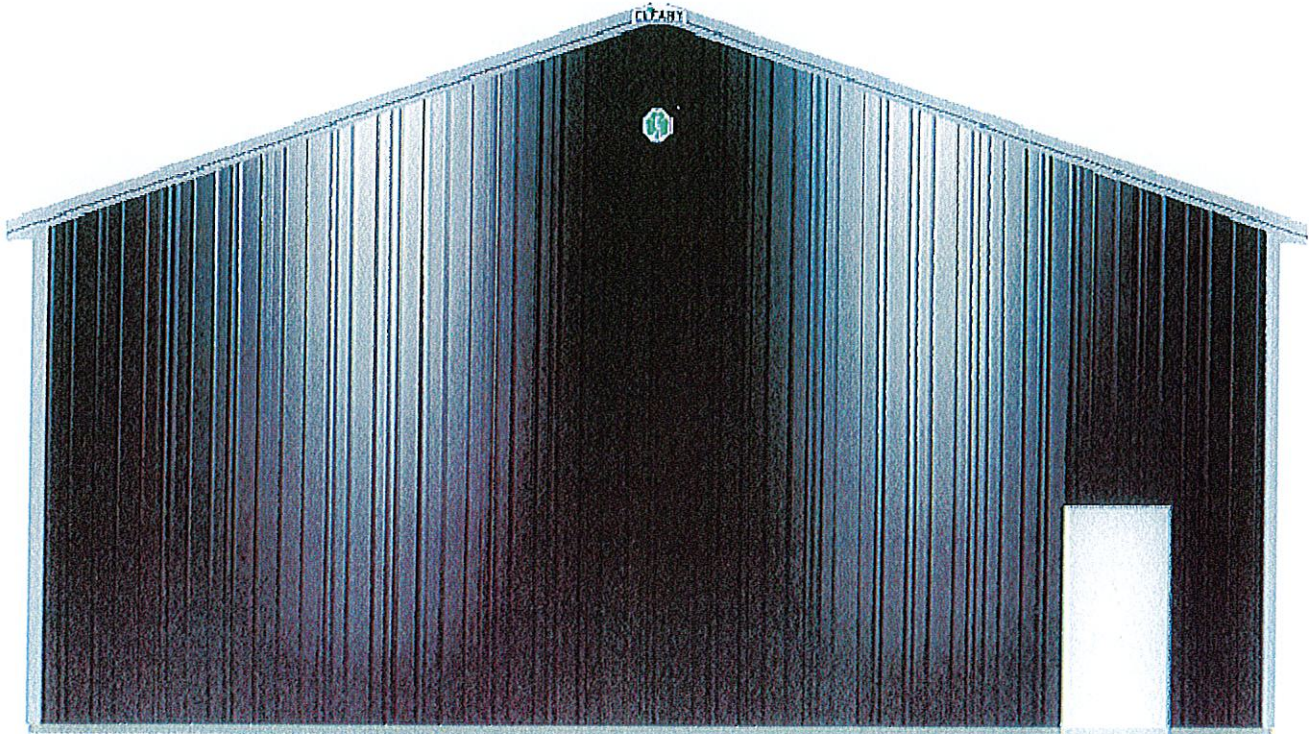
Insulation: None



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Cleary/Owner Project Proposal - Material Only



West End Wall 2 on Building 1

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Exterior Finishes

End Wall 2 on Building 1

Siding: Premium Steel Panel

- Lifetime Film Integrity Warranty, 35 Year Fade and Chalk Warranty, and G-90 Galvanizing Up to 1.0 ounce of Zinc Protection.

House Wrap: None

Wainscot: None

Gable Filler Strips: Gable filler strips not included.

Treated Plank Filler Strips: None

Ventilation

End Wall 2 on Building 1

Overhang: 12" Aluminum soffit (Endwall) with vented soffit

Accessories

End Wall 2 on Building 1

Walk Door(s):

Standard, Steel Jamb 3 1/2" 3'-0"x6'-8"

Distance from left edge of wall to left edge: 33' 6"

Distance from 100'+0" mark to bottom of door plus: 4"

Anchor: ANCHOR KIT (WOOD)



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Closer: No Closer
Dead Bolt: Key/Latch
Door Chain: No Chain
Embossment: No Embossment
Frame: 2x6
Hinge: 4" 304 STAINLESS STEEL FIXED PIN
Jamb: 3 1/2" Jamb
Kick Plate: No Kick Plate
Latch Guard: No Latch Guard
Latch: None
Lockset: Knob/Knob
Panic Hardware: No Panic Hardware
Skin: Blank
Swing: Right Hand Swing In Single Door
Window: None
Keyed Alike. Group 1

Interior Finishes / Insulation

End Wall 2 on Building 1
Condensation Control: None
Insulation: None

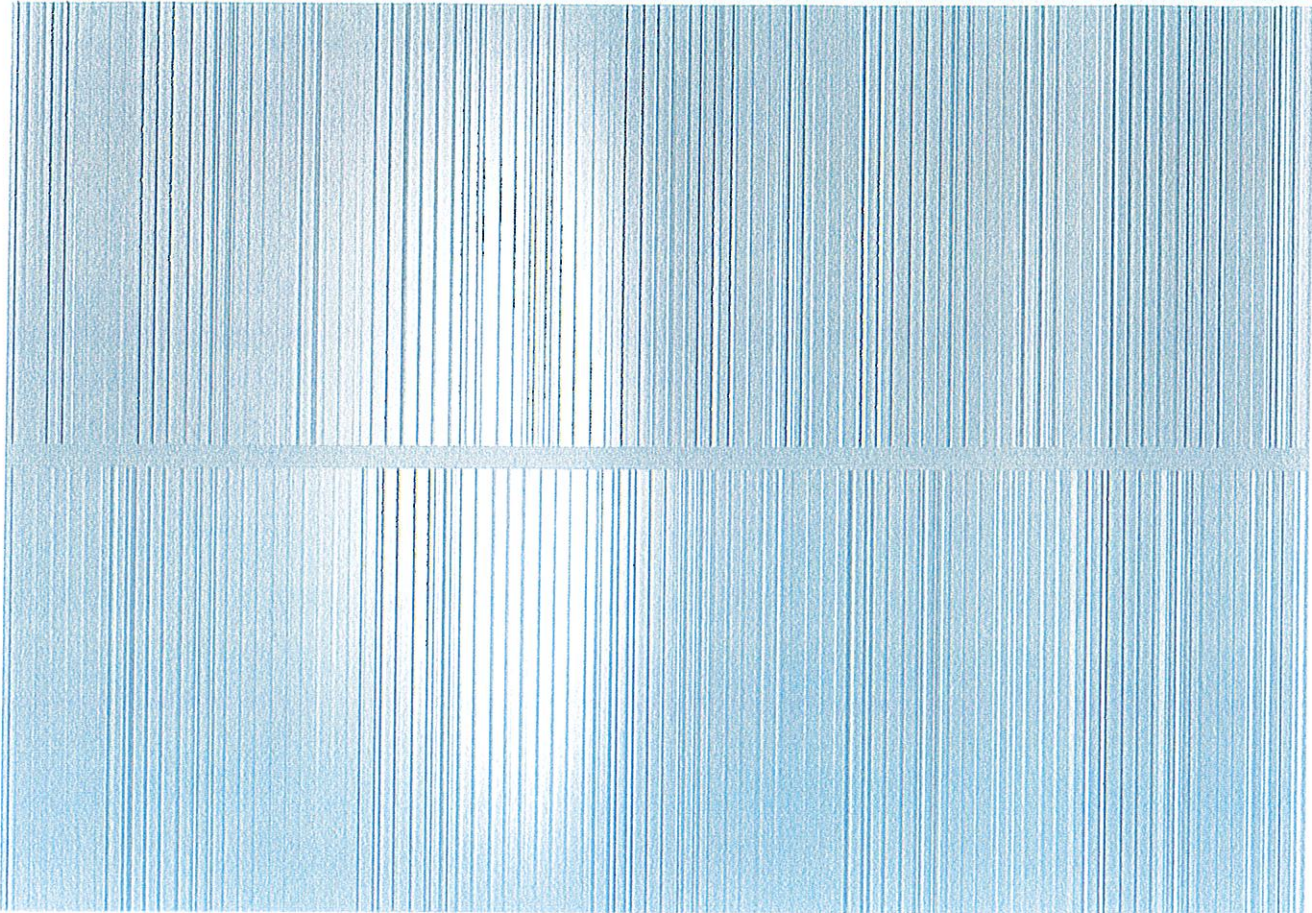


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Cleary/Owner Project Proposal - Material Only

Aerial View



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Cleary/Owner Project Proposal - Material Only

Project Colors

Building - Exterior

Siding

- Premium Steel Panel: Umber
- Corner Trim: Light Gray
- Bottom Trim: Light Gray

Roof

- Premium Steel Panel: Light Gray

Trim

- Gable: Light Gray
- Eave/Fascia: Light Gray
- Ridge Cap: Light Gray
- Trim Color Unless Otherwise Specified: Light Gray

Overhangs

- Soffit: Light Gray
- WallToSoffitTrim: Light Gray
- CeilingEnclosureTrim: Light Gray

Overhead Frameout

- J-Trim: Light Gray
- InsideTrim: Light Gray

Walk Doors

- Standard Blocked 3068: Brilliant
- J-Trim: Light Gray

Project Color Chip Review

All applicable Wall Steel, Roof Steel, Walk Door, and Trim colors have been reviewed using steel color chips.

Purchaser Initials

Purchaser and BSS to meet at a later date to confirm colors with color chips. This will be documented with a change order.

Purchaser Initials

Overhead Frameout & Headroom

GENERAL NOTES AND SPECIFICATIONS

1. The materials and labor shown on these plans that are provided by Cleary Building Corp. are limited to those materials and labor as defined by the Cleary Building Corp. contract. Additional materials or accessories that are not being provided by Cleary Building Corp. may be shown on plans for context or building code compliance.

2. This building is designed in accordance with the following codes and specifications as applicable:

- 2018 Wisconsin Administrative Code chs. SPS 361-366
- 2015 International Building Code (IBC) as amended by SPS 362
- 2015 International Energy Conservation Code (IECC) as amended by SPS 363
- 2015 International Existing Building Code (IEBC) as amended by SPS 365
- 2015 National Design Specification for Wood Construction (NDS)

Risk Category: II
 Use Group(s) Classification: S-1
 Building Use: Storage
 Type of Construction: Type VB
 Building Area: 2400 Sq. Ft.

Building Design Loads:
 Snow Design Data:
 Ground Snow Load (Pg): 47 PSF
 Snow Exposure Factor (Ce): 1
 Slope Factor (Cs): 0.94
 Thermal Factor (Ct): 1.2
 Snow Load Importance Factor (Is): 1.0
 Flat Roof Snow Load (Pf): 39.5 PSF
 Sloped Roof Snow Load (Ps): 37 PSF
 Unbalanced Snow Loads:
 11.1 PSF Windward
 37 PSF Leeward
 20.39 PSF Leeward surcharge
 8.1 Ft. Width of surcharge

Wind Design Data:
 Basic Design Wind Speed (V): 125 MPH
 Wind Exposure: C
 Design Internal Pressure Coefficient: ± 0.18

Earthquake Design Data:
 Basic Seismic Force Resisting System: Building Frame System/Light Frame Walls Sheathed with Wood Structural Panels or Steel Sheets
 Design Base Shear: 430 LBS
 Seismic Response Coefficient (Cs): 0.012
 Analysis Procedure Used: Equivalent Lateral Force Procedure
 Seismic Design Category: A
 Mapped Spectral Response Accelerations (Ss): 6.6%g
 (S1): 3.9%g
 Spectral Response Coefficients (Sps): 0.07g
 (Sp1): 0.063g
 Site Class: D
 Seismic Importance Factor (Ie): 1.0
 Response Modification Factor (R): 6

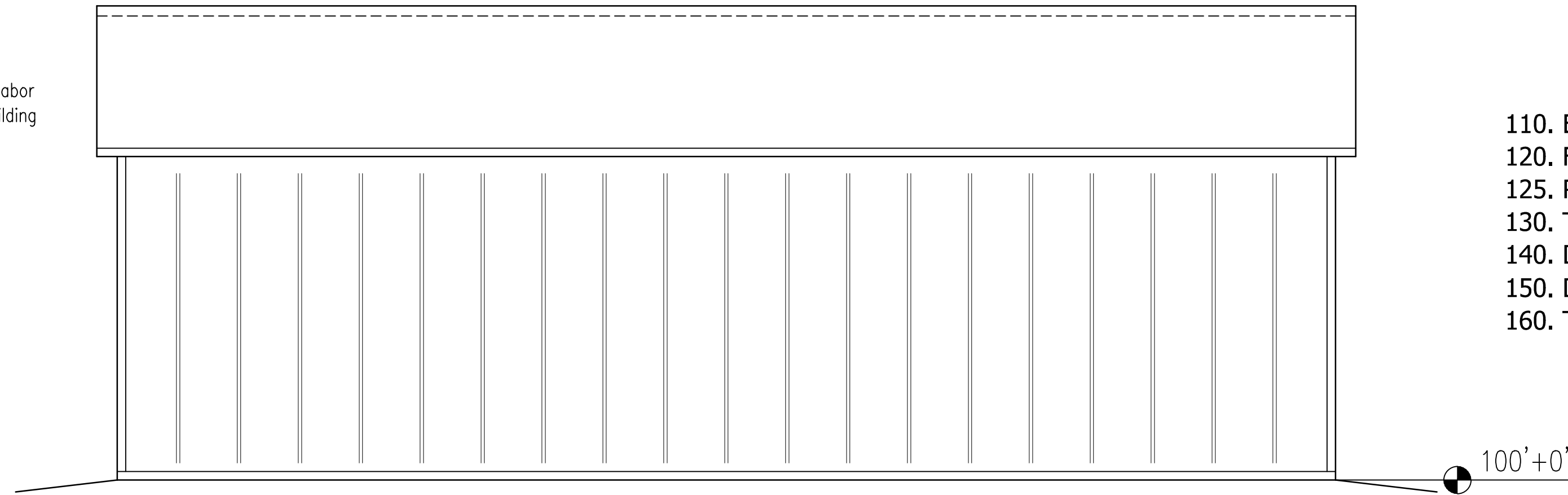
3. All lumber, unless noted otherwise, shall be S4S #2 SPF or better. All lumber embedded in the ground shall be treated with Chromated Copper Arsenate to a retention level of .60 lbs. per cubic foot. AWPA U1, UC4B.
4. All nails are to be threaded hardened steel unless otherwise noted.
5. Grading should be such that the surface water is drained away from the foundation. Minimum grade would be six inches of vertical drop per ten feet of horizontal away from the foundation (5%).
6. Fill used for concrete floor slab sub grade, if present, shall be reasonably graded granular material. Fill used in columns holes shall be the excavated soil unless noted otherwise. All fill shall be free from debris, stones over 4"Ø and frozen material.
7. Electrical work, heating, ventilating, air conditioning, plumbing, and site draining is not a part of this drawing and shall be installed as per applicable codes.
8. This design is based on a building site with sand, silty sand, clayey sand, silty gravel, clayey gravel soil. As per the IBC building code and Referenced Standard ASAE 486.1, an assumed soil bearing design value of 1500 psf with increases for depth and width has been used in this design. If information is discovered before or during construction contrary to this, the building designer should be contacted.

NOTE:
 This building, as depicted, must be constructed 10 feet or more from any and all lot lines and 20 feet or more from any other buildings on the same lot. See IBC code and/or the local building official for exceptions.

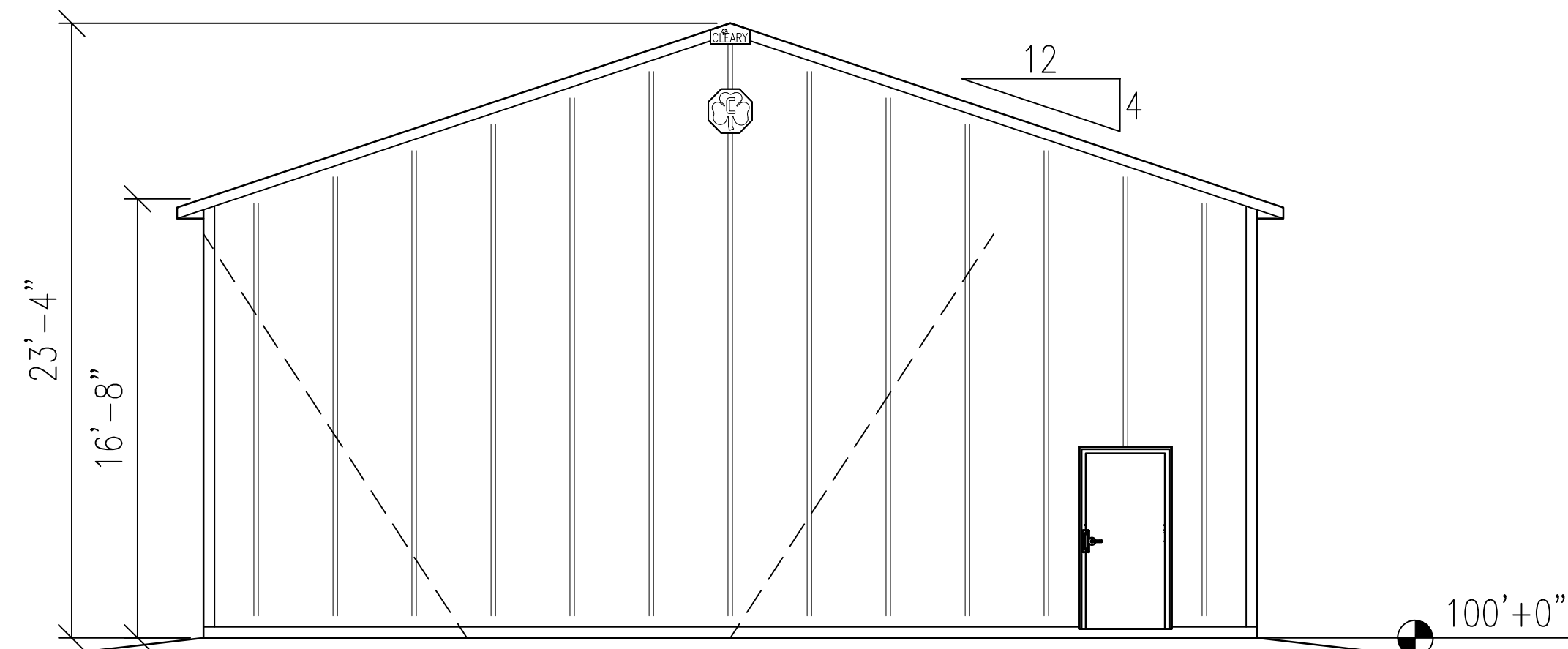
NOTE:
 This document, as presented and sealed, is not intended to be, nor should it be construed as such, a complete building design. It is intended to represent just the building itself. It should also be noted that the designer is unaware of any subsoil investigation reports. Footings have been sized on assumed values as per note 8.0 under General Specifications and Notes. The designer excludes determination that the assumed soil conditions are present at the site. If a concrete floor will be installed, the design of the concrete floor is not part of these plans, nor is it intended to be. If shown, the concrete floor is only depicted to show its location with respect to related components of the building. The client or general contractor is encouraged to contract with other professional engineers or architects for the design of the concrete floor and its subgrade.

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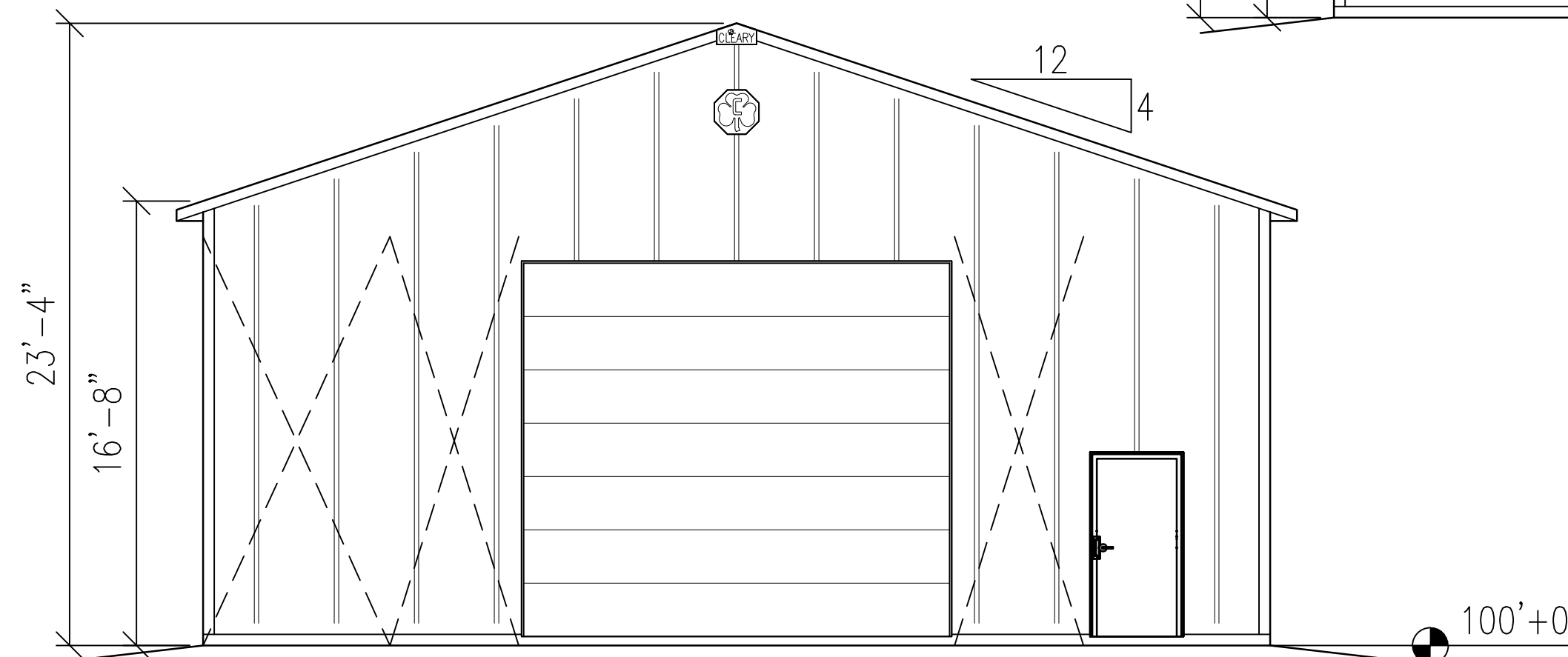
- 110. ELEVATIONS
- 120. FLOOR PLAN
- 125. ROOF FRAMING PLAN
- 130. TYPICAL SECTION
- 140. DIAGONAL BRACING DETAILS
- 150. DIAPHRAGM ACTION and MISC. DETAILS
- 160. TRUSS DIAGRAMS



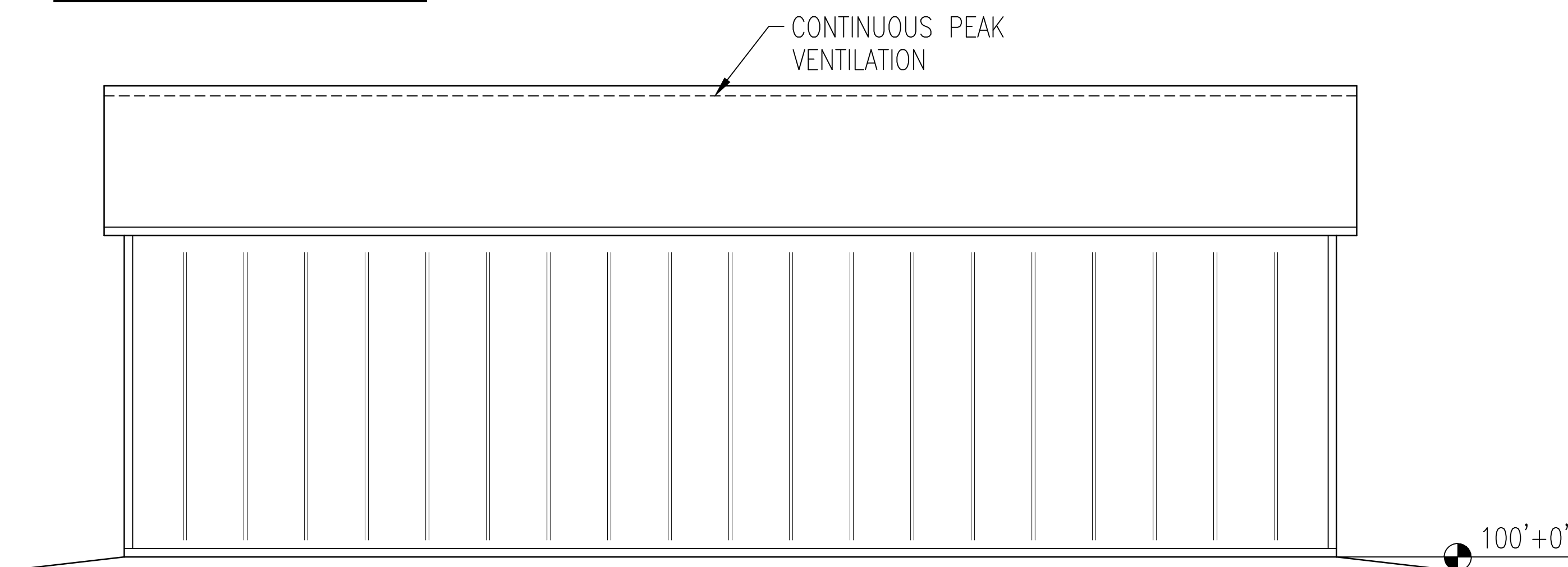
SOUTH ELEVATION



WEST ELEVATION



EAST ELEVATION



NORTH ELEVATION



190 PAOLI STREET / P.O. BOX 930220
 VERONA, WI 53593 / (800) 373-5550

DRAWN BY: JENKINS

DATE DRAWN: 02/10/25

PLAN REVISIONS:

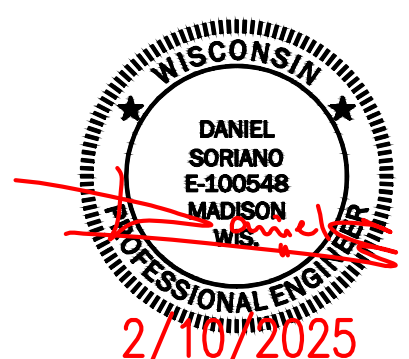
NUMBER	DATE	BY
1		
2		
3		
4		

PROJECT NAME:
CHAPPA, TYLER
 PROJECT SITE ADDRESS:
 1236 N 18TH ST
 SHEBOYGAN, WI 53083 (SHEBOYGAN)
 BUILDING SIZE:
 40' 0" x 60' 0" x 16' 8"
 SHEET NAME:
 ELEVATIONS

PROJECT NUMBER:
2025100424

SHEET NUMBER:
110

WHEN PRINTED ON 24"x36"
 PAPER SCALE IS 3/16"=1'-0"



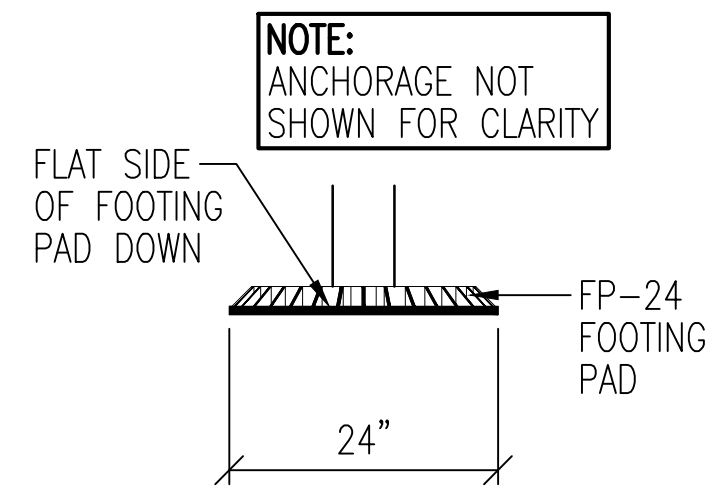
2/10/2025

COLUMNS	COLUMN SIZE	HOLE DEPTH	HOLE DIAMETER	FOOTING SIZE	NUMBER OF COLUMNS REQUIRED	BUILDING ACCESSORY SCHEDULE					
						ITEM	SIZE	B.E./T.E.	QTY	ROUGH OPENING & ACCESSORY FEATURES	
(A) CORNER	3-PLY 2x6x22'-0"	5'-6"	18"Ø	4"x14"Ø PRECAST CONCRETE FOOTING	4	1	SOLID WALK DOOR	3' 0"x6' 8"	B.E. =100' 4"	2	R.O. 3' 4 3/8"x6' 9 3/4", STANDARD, BRILLIANT, LEV./LEV. LOCKSET, LATCH GUARD, KEYED ALIKE, CLOSER, H.CAP THRESHOLD
(B) SIDEWALL	4-PLY 2x6x22'-0"	5'-6"	24"Ø	AGCO FP-24 FOOTING PAD (SEE NOTE/DETAIL)	10	2	OVERHEAD DOOR	16' 0"x14' 0"	B.E. =100' 4"	1	I.D. =15' 11 1/2", 13-20" HEADROOM OPTION WITHOUT LINER, TRIM INSIDE EDGE, DOOR NOT BY CLEARY
(C) VERT. BRACE	2-PLY 2x6x9'-2"	---	---	VERTICAL BRACE B.E.=14' 1 1/2"	1						
(D) ENDWALL	3-PLY 2x6x24'-4"	5'-6"	18"Ø	4"x14"Ø PRECAST CONCRETE FOOTING	2						
(E) ENDWALL	3-PLY 2x6x25'-4"	5'-6"	18"Ø	4"x14"Ø PRECAST CONCRETE FOOTING	2						
(F) ENDWALL	3-PLY 2x6x26'-0"	5'-6"	18"Ø	4"x14"Ø PRECAST CONCRETE FOOTING	2						
(G) ENDWALL	3-PLY 2x6x28'-8"	5'-6"	18"Ø	4"x14"Ø PRECAST CONCRETE FOOTING	1						

- NOTES:**
- FIELD VERIFY ALL DOOR AND WINDOW ROUGH OPENING SIZES PRIOR TO INSTALLING FRAME-OUTS
 - ENDWALL COLUMNS ARE 3-PLY TO THE BUILDING EAVE HEIGHT AND 1-PLY FROM THERE TO THE ROOF PLANE
 - 2x6 STANDARD DIAGONAL CORNER BRACING AT ALL CORNERS (UNLESS OTHERWISE NOTED)
 - END WALL 1 ON BUILDING 1 (EAST) - INSTALL STANDARD 15" SHAMROCK
 - END WALL 2 ON BUILDING 1 (WEST) - INSTALL STANDARD 15" SHAMROCK

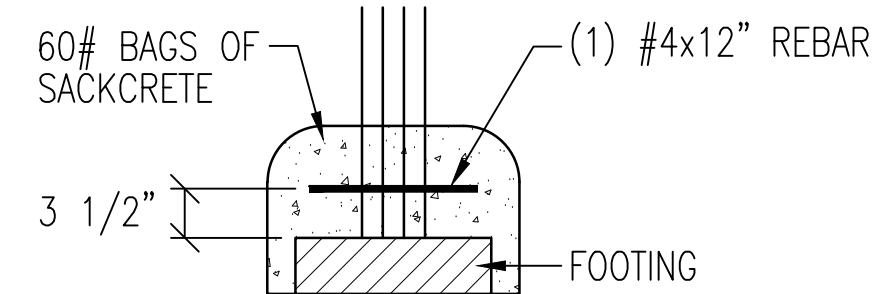
NOTE:
75 TOTAL BAGS OF SACKCRETE
REQUIRED FOR COLUMN ANCHORAGE

NOTE:
THE FOOTING PAD IS THE AGCO
MOLDED COMPOSITE CIRCULAR
FOOTING PAD (SEE ESR-2147)



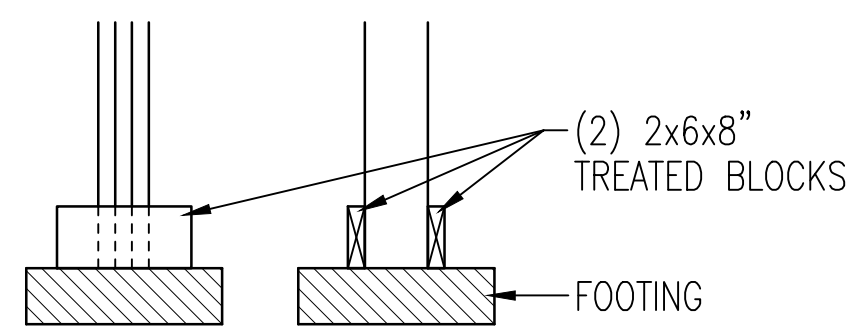
FOOTING PAD DETAIL

- △ = ANCHOR COLUMNS WITH (6) 60# BAGS OF SACKCRETE AND (1) #4x12" REBAR FOR UPLIFT
 - ◇ = ANCHOR COLUMNS WITH (3) 60# BAGS OF SACKCRETE AND (1) #4x12" REBAR FOR UPLIFT
- NOTE: COLUMN SETS ON TOP OF FOOTING - CHECK COLUMN CHART FOR EXACT FOOTING SIZE REQUIREMENTS

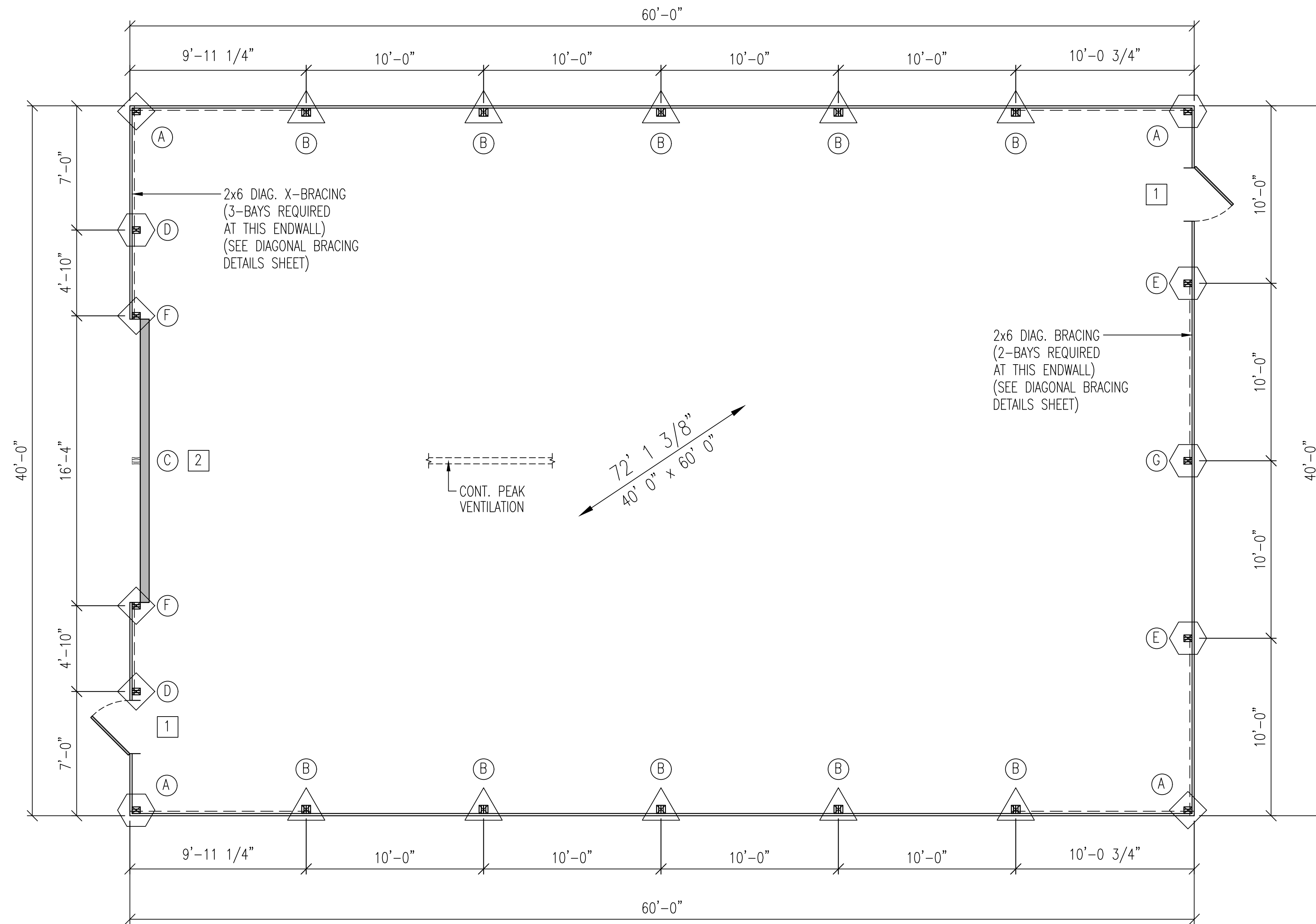


COLUMN ANCHOR DETAIL

- ◊ = ANCHOR COLUMNS WITH (2) 2x6x8" TREATED BLOCKS ATTACHED TO COLUMN WITH (3) 20d NAILS PER EACH BLOCK FOR UPLIFT
- NOTE: COLUMN SETS ON TOP OF FOOTING - CHECK COLUMN CHART FOR EXACT FOOTING SIZE REQUIREMENTS



COLUMN ANCHOR DETAIL



CLEARY BUILDING CORP.
190 PAOLI STREET / P.O. BOX 930220
VERONA, WI 53593 / (800) 373-5550

DRAWN BY: JENKINS
DATE DRAWN: 02/10/25

PLAN REVISIONS:

NUMBER	DATE	BY
1		
2		
3		
4		

PROJECT NAME:
CHAPPA, TYLER

PROJECT SITE ADDRESS:
1236 N 18TH ST
SHEBOYGAN, WI 53083 (SHEBOYGAN)

BUILDING SIZE:
40' 0" x 60' 0" x 16' 8"

SHEET NAME:
FLOOR PLAN

PROJECT NUMBER:
2025100424

SHEET NUMBER:
120

WHEN PRINTED ON 24"x36"
PAPER SCALE IS 1/4"=1'-0"



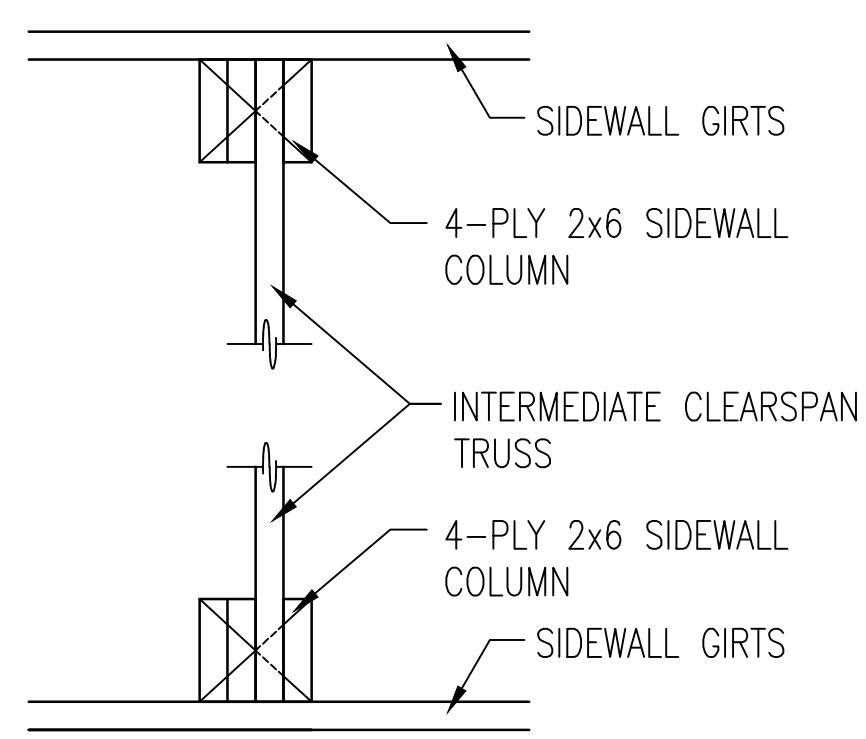
NUMBER	DATE	BY
1		
2		
3		
4		



TRUSS INFORMATION			
#	DESCRIPTION	SCREW PLACEMENT	HOLE
1	TB39-9SEW4WO-H12HEEL125W	PURLINS NAILED	NONE
2	TA39-9PLSC37STNO100C4TRUSS125W	PURLINS NAILED	NONE
3	TA39-9PLSC37STNO100C4TRUSS125W	PURLINS NAILED	NONE
4	TA39-9PLSC37STNO100C4TRUSS125W	PURLINS NAILED	NONE
5	TA39-9PLSC37STNO100C4TRUSS125W	PURLINS NAILED	NONE
6	TA39-9PLSC37STNO100C4TRUSS125W	PURLINS NAILED	NONE
7	TB39-9SEW4WO-H12HEEL125W	PURLINS NAILED	NONE

- NOTES:**
- 2x6 JACKBRACING AT ENDWALL COLUMNS (NOT NEEDED AT FULL LENGTH COLUMNS)
— = LOCATION ON THIS SHEET FOR JACKBRACING (SEE DETAIL THIS SHEET)
 - 2x4 PURLIN BLOCKING AT ENDWALL TRUSSES
 - (X) = BAYS WITH 2x4 ROOFLINE X-BRACING (SEE DETAIL THIS SHEET)

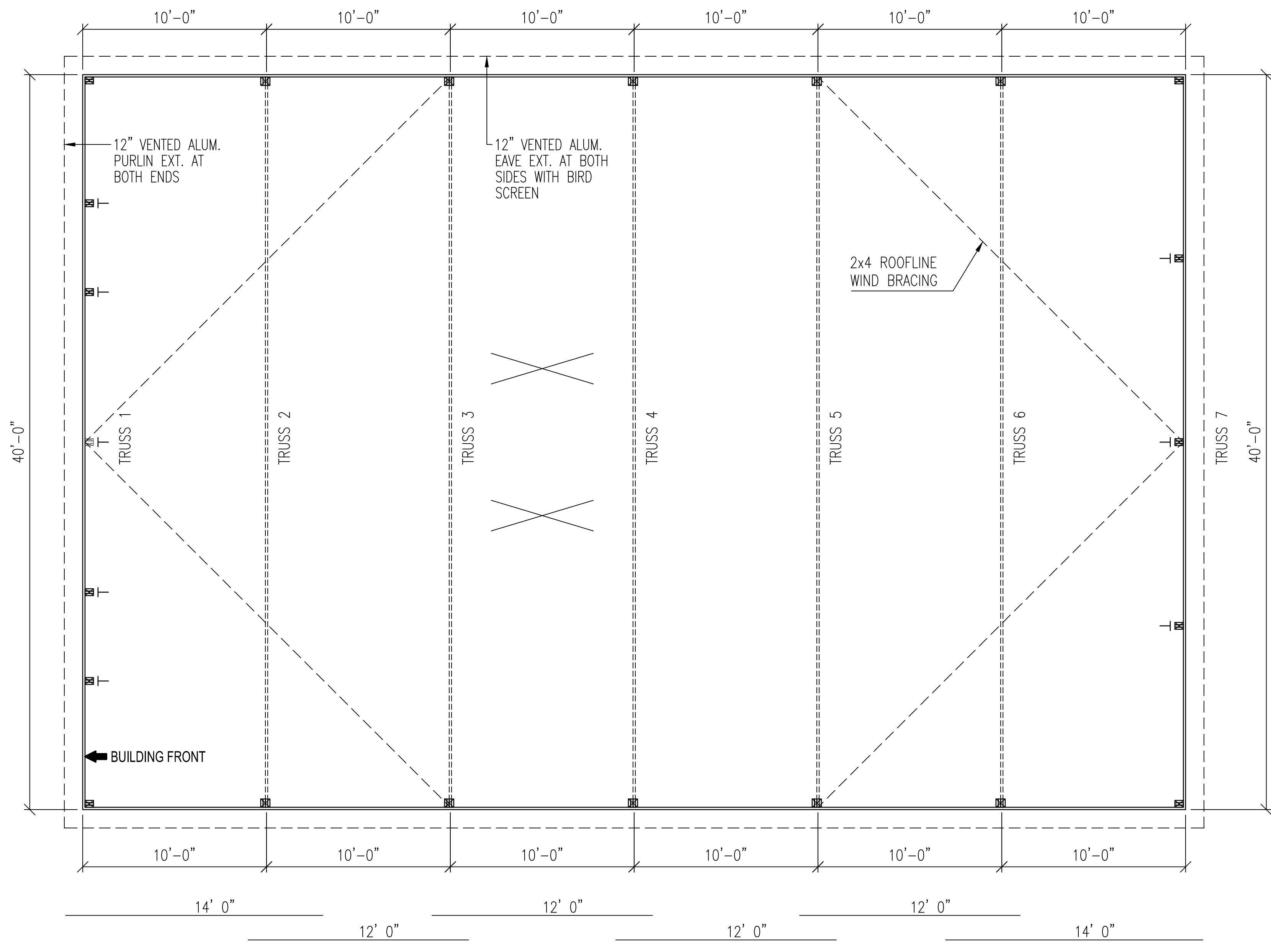
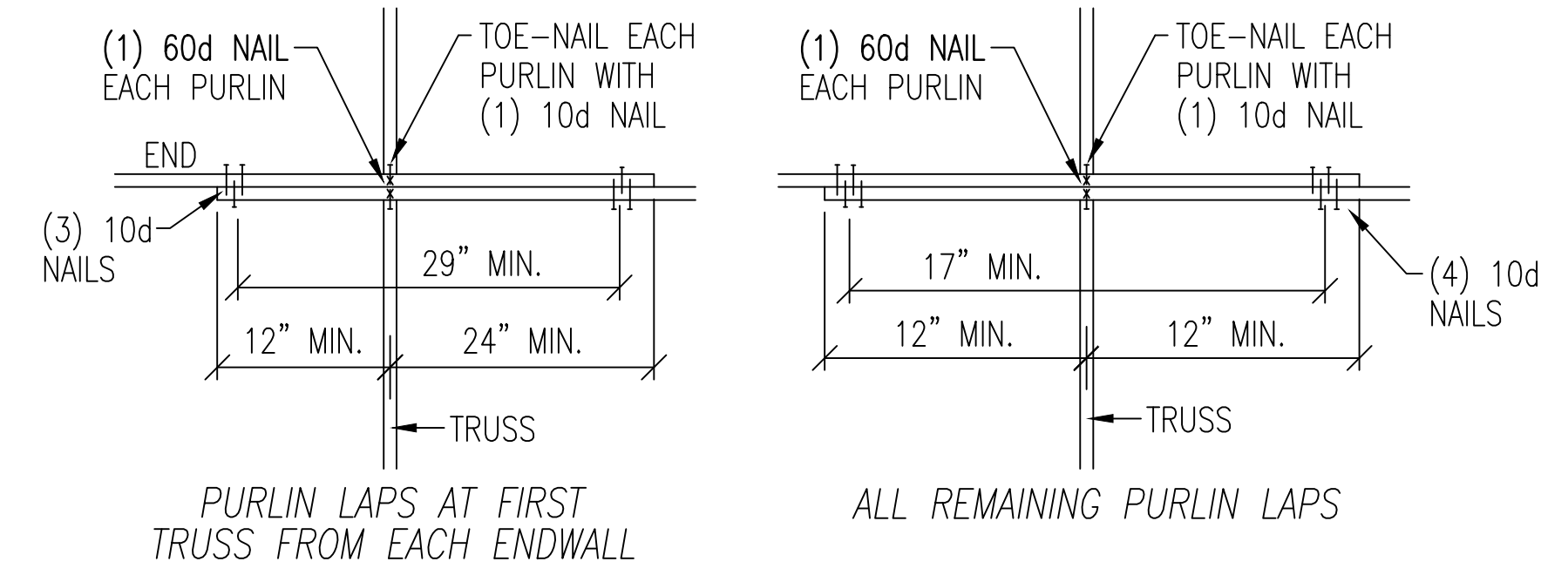
NOTE:
ATTACH ALL PURLINS TO TRUSS WITH (1) 60d NAIL AND TOE-NAIL WITH (1) 10d NAIL, ALSO ATTACH ROOF STEEL TO PURLINS AT 9" O.C.



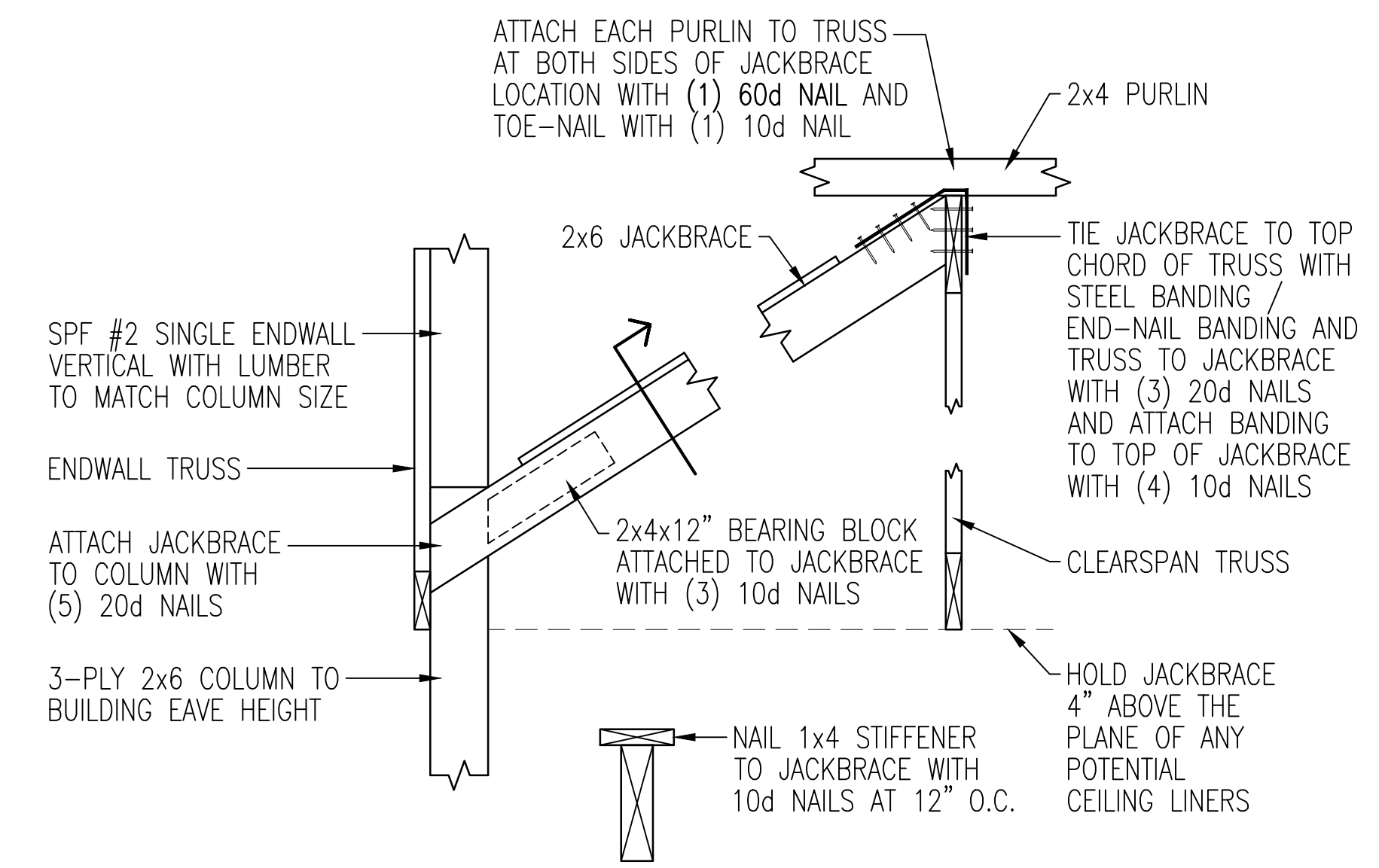
TYPICAL TRUSS PLACEMENT DETAIL

CONT. PURLIN DESIGN

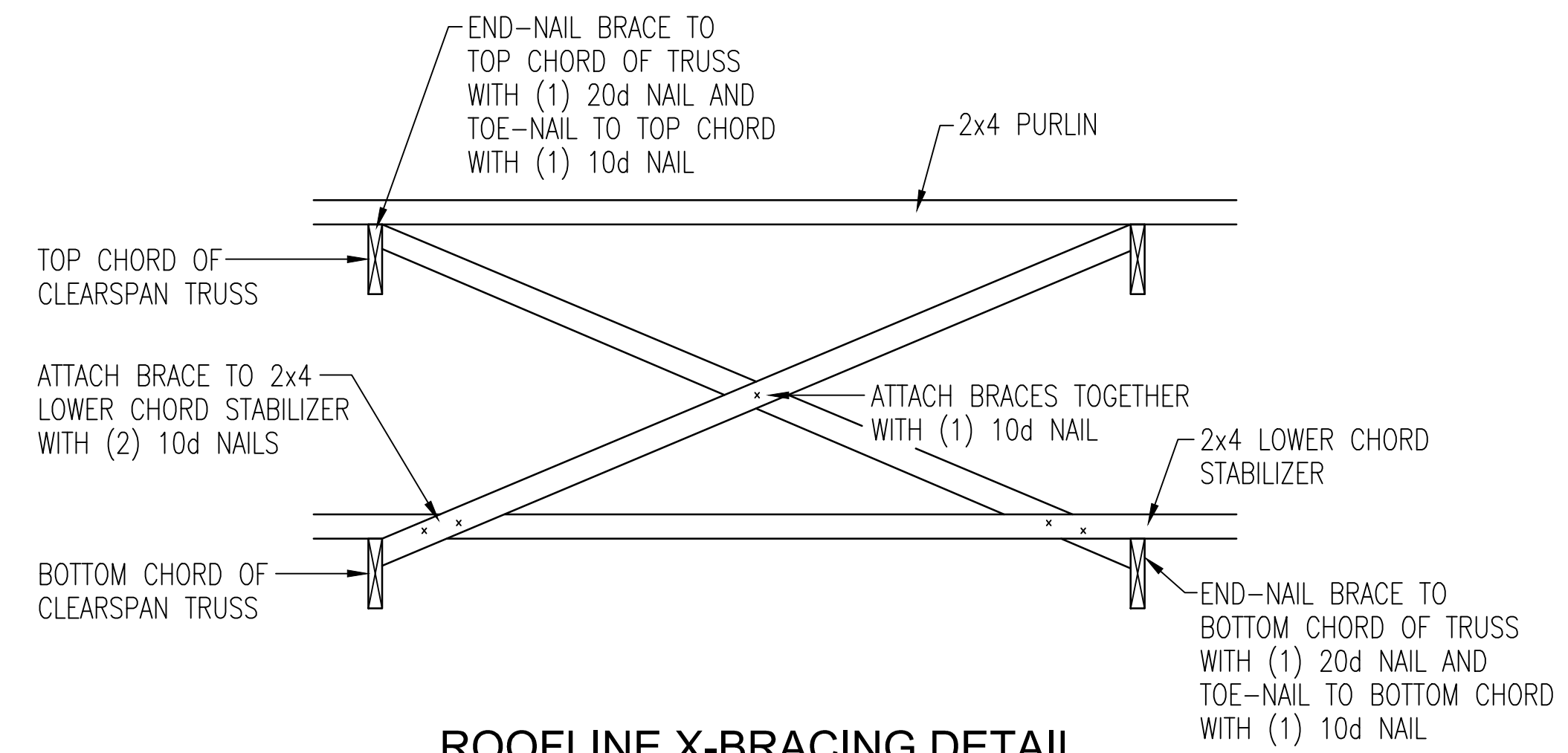
CONSTRUCTION FOREMAN NOTE:
BE SURE TO MAINTAIN THE OVERALL LAP DISTANCE AND THE SPACING FROM PURLIN END TO CENTER OF TRUSS AS SHOWN



PURLIN LAYOUT



JACKBRACE DETAIL AT ENDWALL COLUMNS

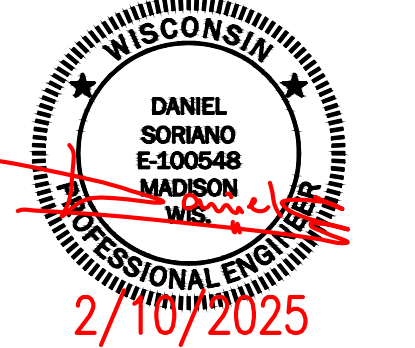


ROOFLINE X-BRACING DETAIL
X-BRACING IS ATTACHED TO LOWER CHORD STABILIZER

PROJECT NAME:
CHAPPA, TYLER
PROJECT SITE ADDRESS:
1236 N 18TH ST
SHEBOYGAN, WI 53083 (SHEBOYGAN)
BUILDING SIZE:
40' 0" x 60' 0" x 16' 8"
SHEET NAME:
ROOF FRAMING PLAN

PROJECT NUMBER:
2025100424
SHEET NUMBER:
125

WHEN PRINTED ON 24"x36"
PAPER SCALE IS 1/4"=1'-0"



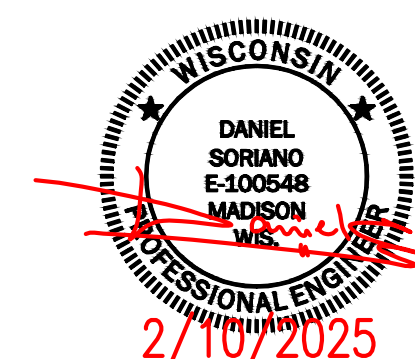
NUMBER	DATE	BY
1		
2		
3		
4		

PROJECT NAME:
CHAPPA, TYLER
PROJECT SITE ADDRESS:
1236 N 18TH ST
SHEBOYGAN, WI 53083 (SHEBOYGAN)
BUILDING SIZE:
40' 0" x 60' 0" x 16' 8"
SHEET NAME:
TYPICAL SECTION

PROJECT NUMBER:
2025100424

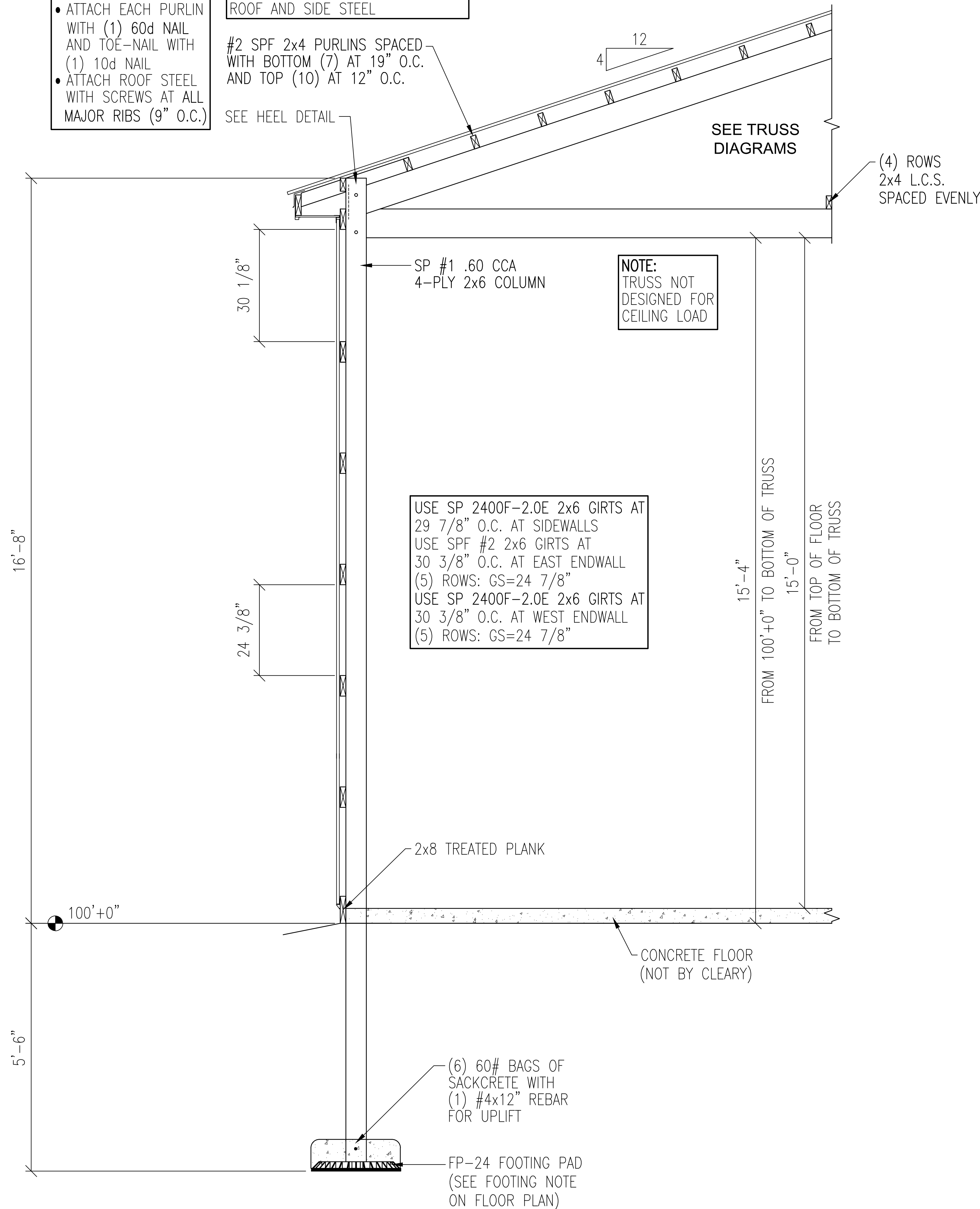
SHEET NUMBER:
130

WHEN PRINTED ON 24"x36"
PAPER SCALE IS 3/4"=1'-0"



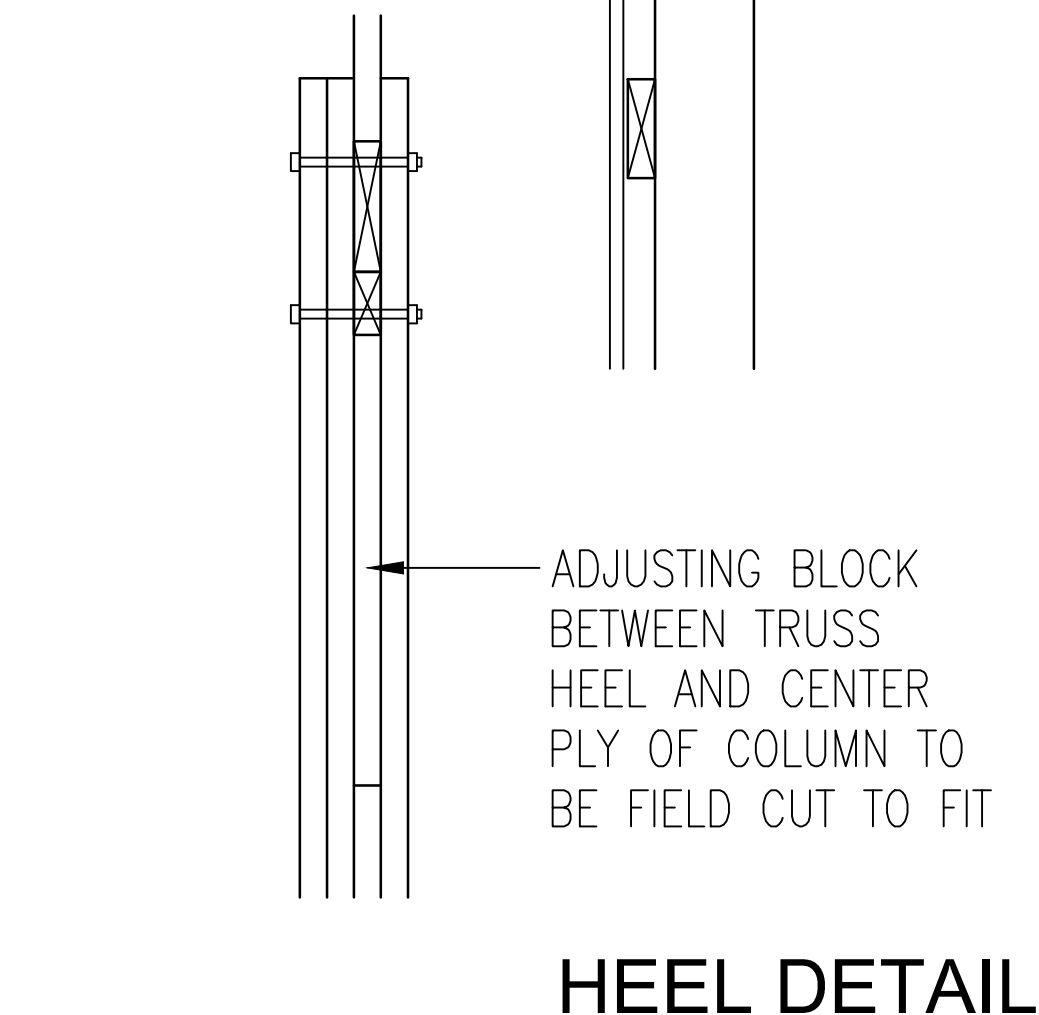
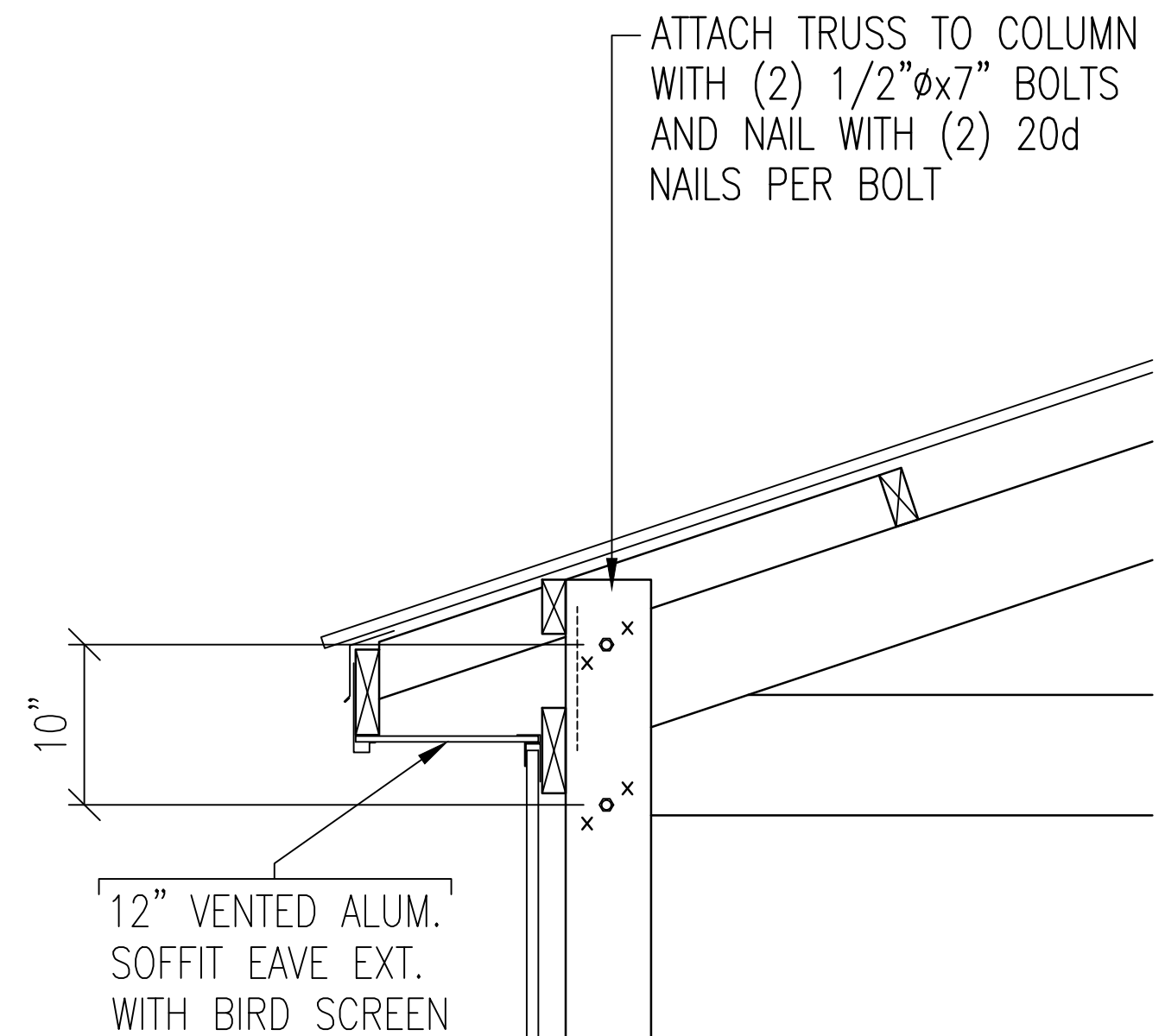
ROOF NOTES:
• ATTACH EACH PURLIN WITH (1) 60d NAIL AND TOE-NAIL WITH (1) 10d NAIL
• ATTACH ROOF STEEL WITH SCREWS AT ALL MAJOR RIBS (9" O.C.)

PREPAINTED 29 GAUGE CORRUGATED ROOF AND SIDE STEEL
#2 SPF 2x4 PURLINS SPACED WITH BOTTOM (7) AT 19" O.C. AND TOP (10) AT 12" O.C.



NOTE:
TRUSS NOT DESIGNED FOR CEILING LOAD

USE SP 2400F-2.0E 2x6 GIRTS AT 29 7/8" O.C. AT SIDEWALLS
USE SPF #2 2x6 GIRTS AT 30 3/8" O.C. AT EAST ENDWALL
(5) ROWS: GS=24 7/8"
USE SP 2400F-2.0E 2x6 GIRTS AT 30 3/8" O.C. AT WEST ENDWALL
(5) ROWS: GS=24 7/8"



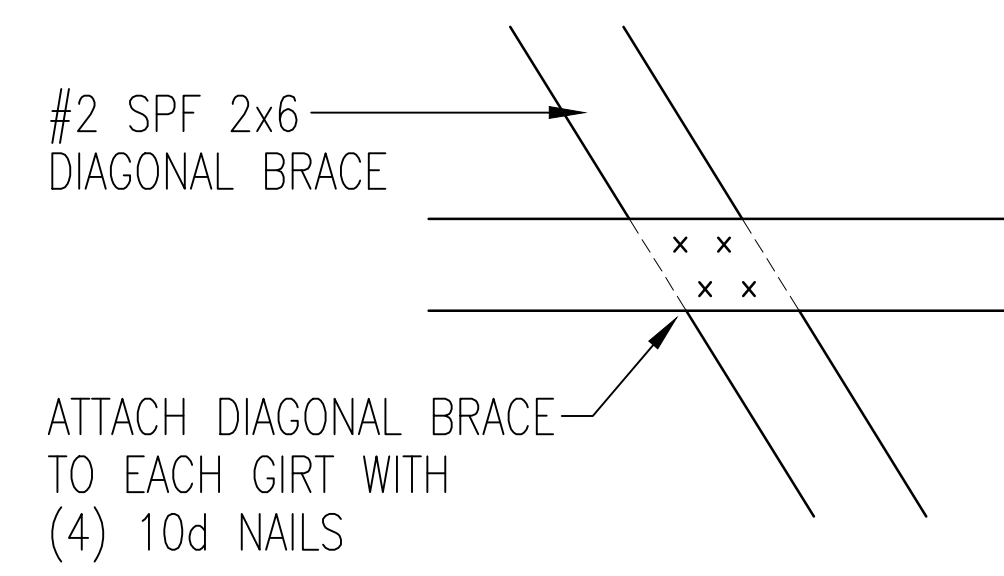
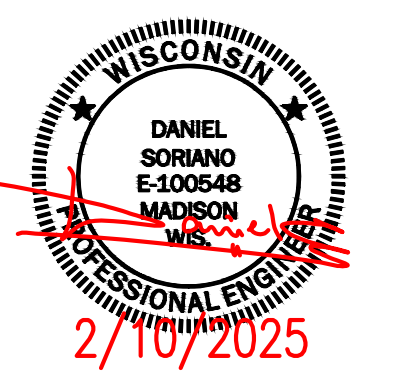
HEEL DETAIL

NUMBER	DATE	BY
1		
2		
3		
4		

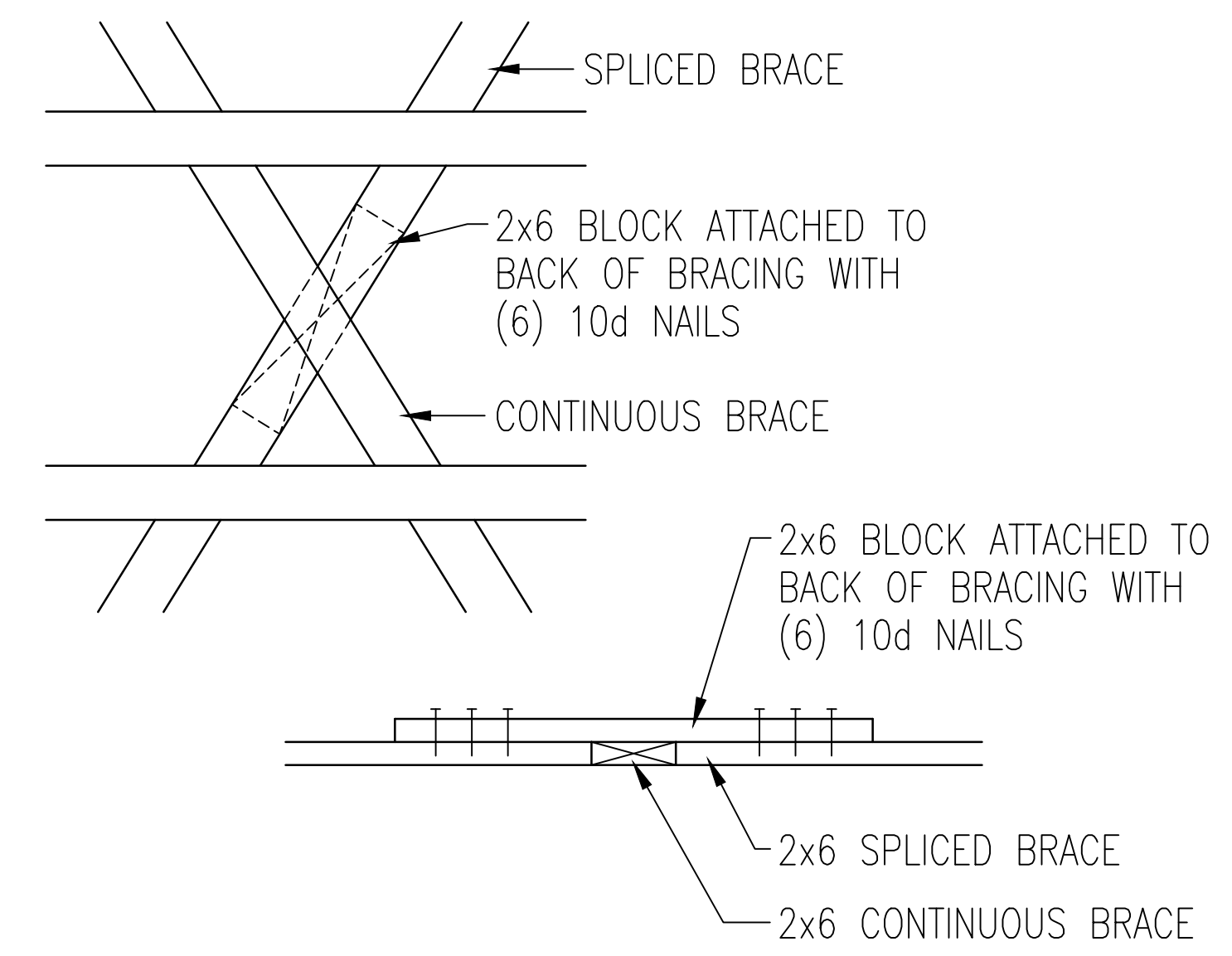
PROJECT NAME: **CHAPPA, TYLER**
PROJECT SITE ADDRESS: **1236 N 18TH ST
SHEBOYGAN, WI 53083 (SHEBOYGAN)**
BUILDING SIZE: **40' 0" x 60' 0" x 16' 8"**
SHEET NAME: **DIAGONAL BRACING DETAILS**

PROJECT NUMBER: **2025100424**
SHEET NUMBER: **140**

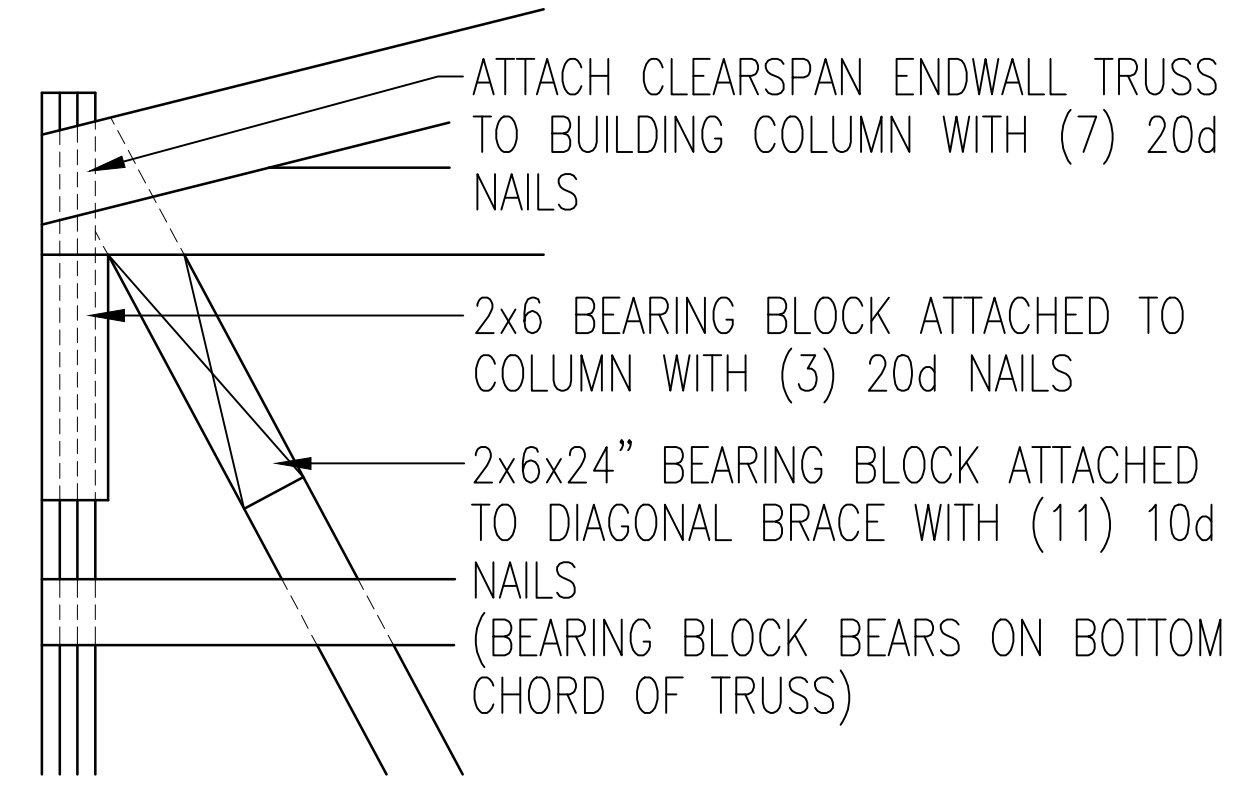
PAPER SCALE IS N.T.S.



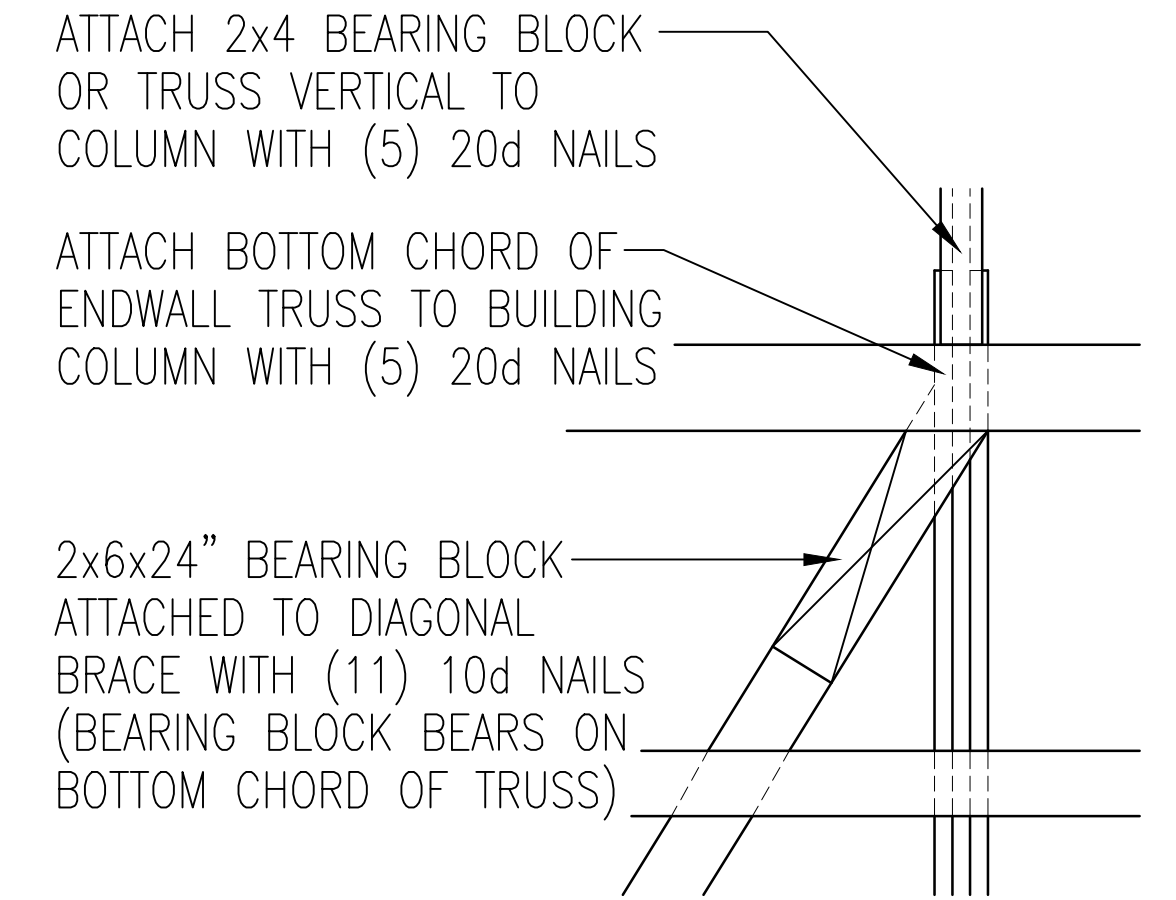
BRACE TO GIRT CONNECTION DETAIL



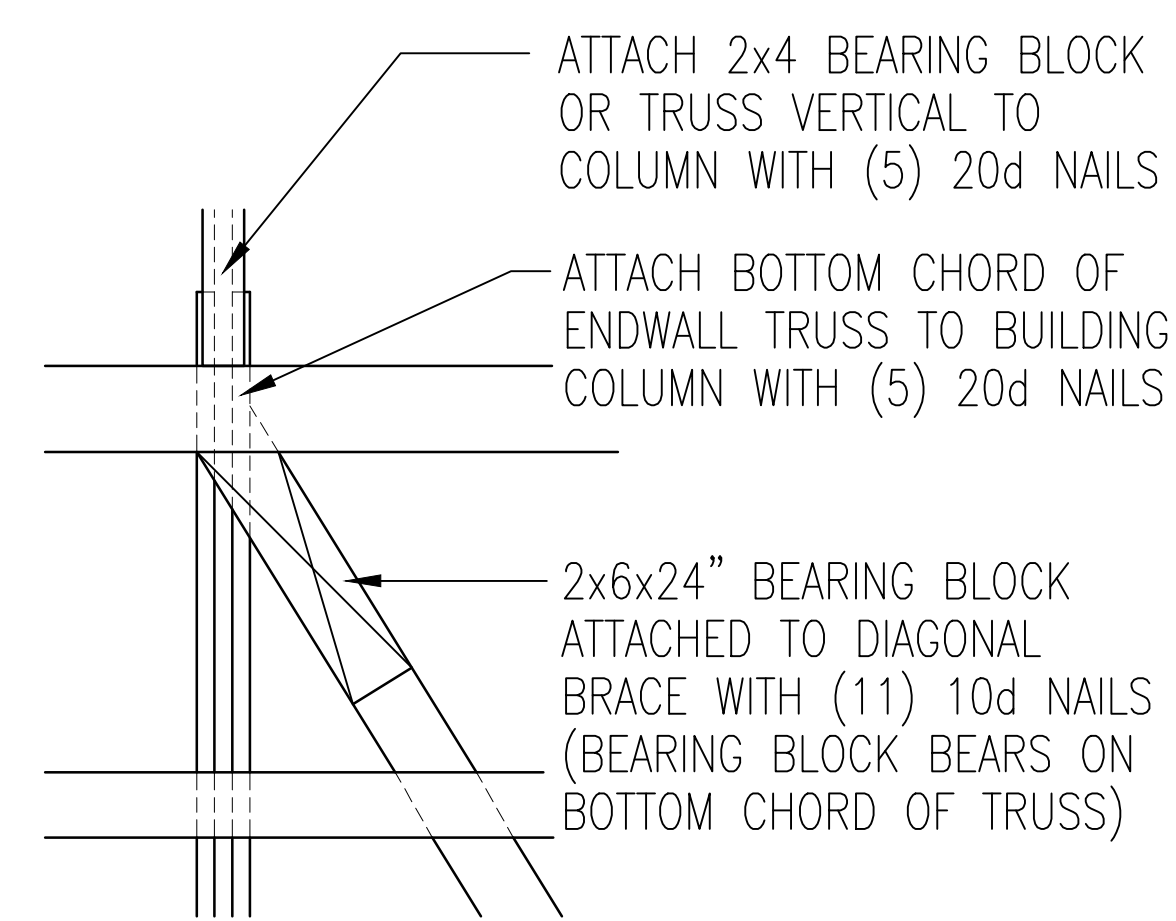
BRACE SPLICE DETAIL
AT CENTER OF X-BRACING



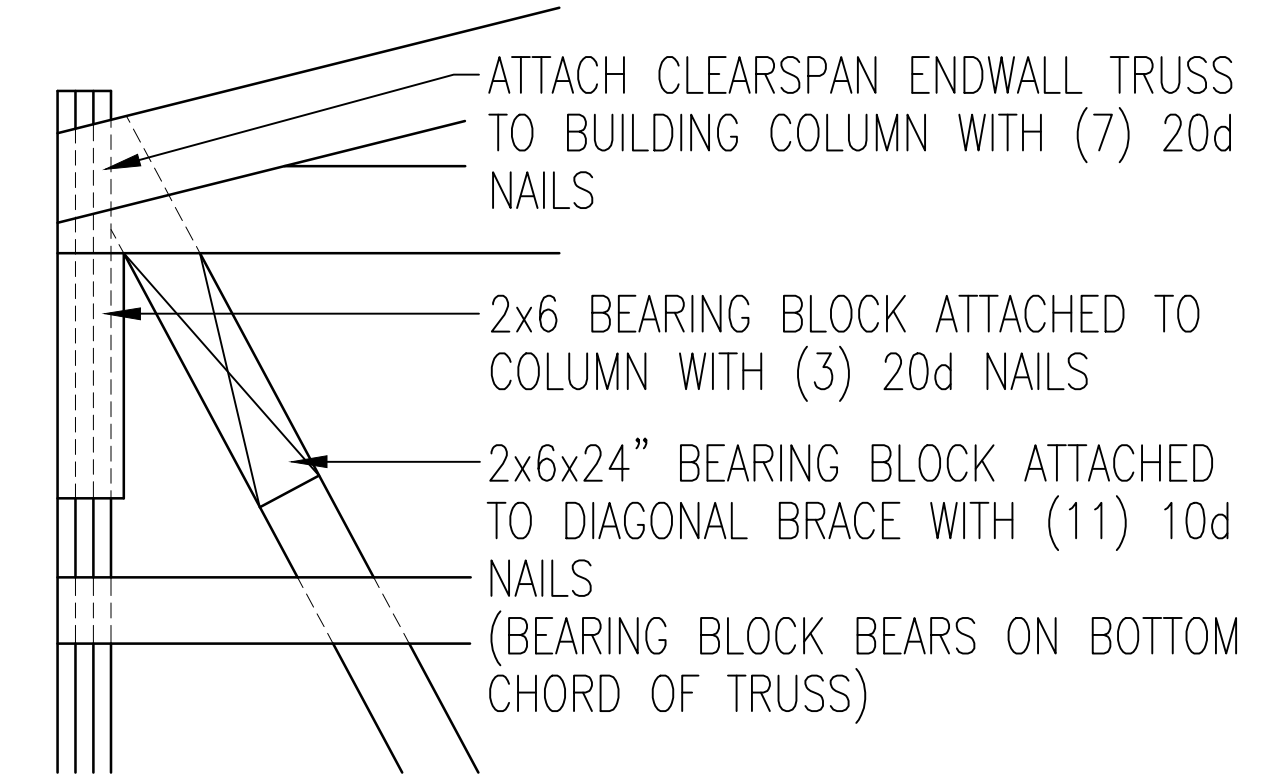
BRACE CONNECTION DETAIL
AT TOP OF BRACE AT CORNER COLUMN



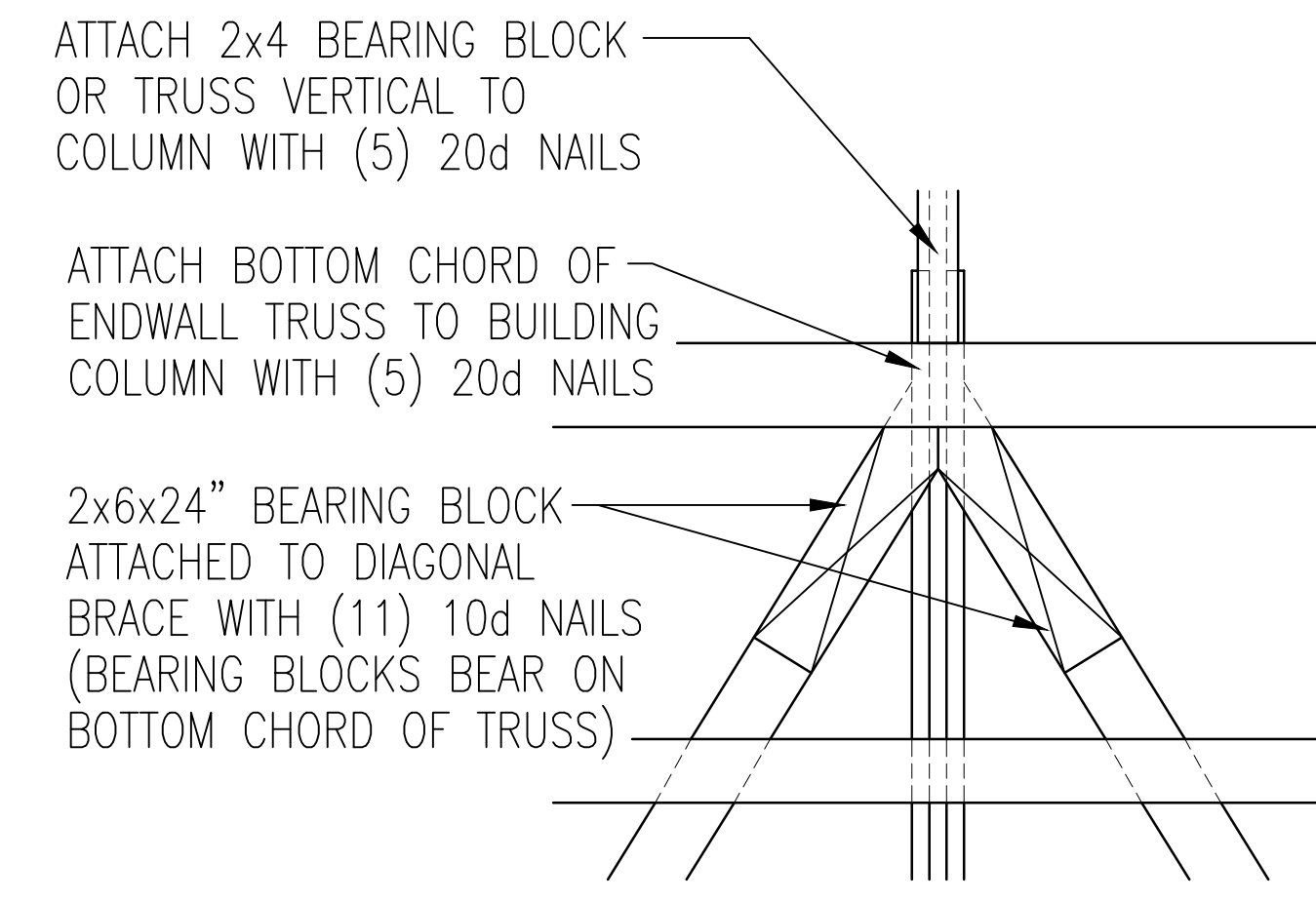
BRACE CONNECTION DETAIL
AT TOP OF BRACE AT ENDWALL COLUMN



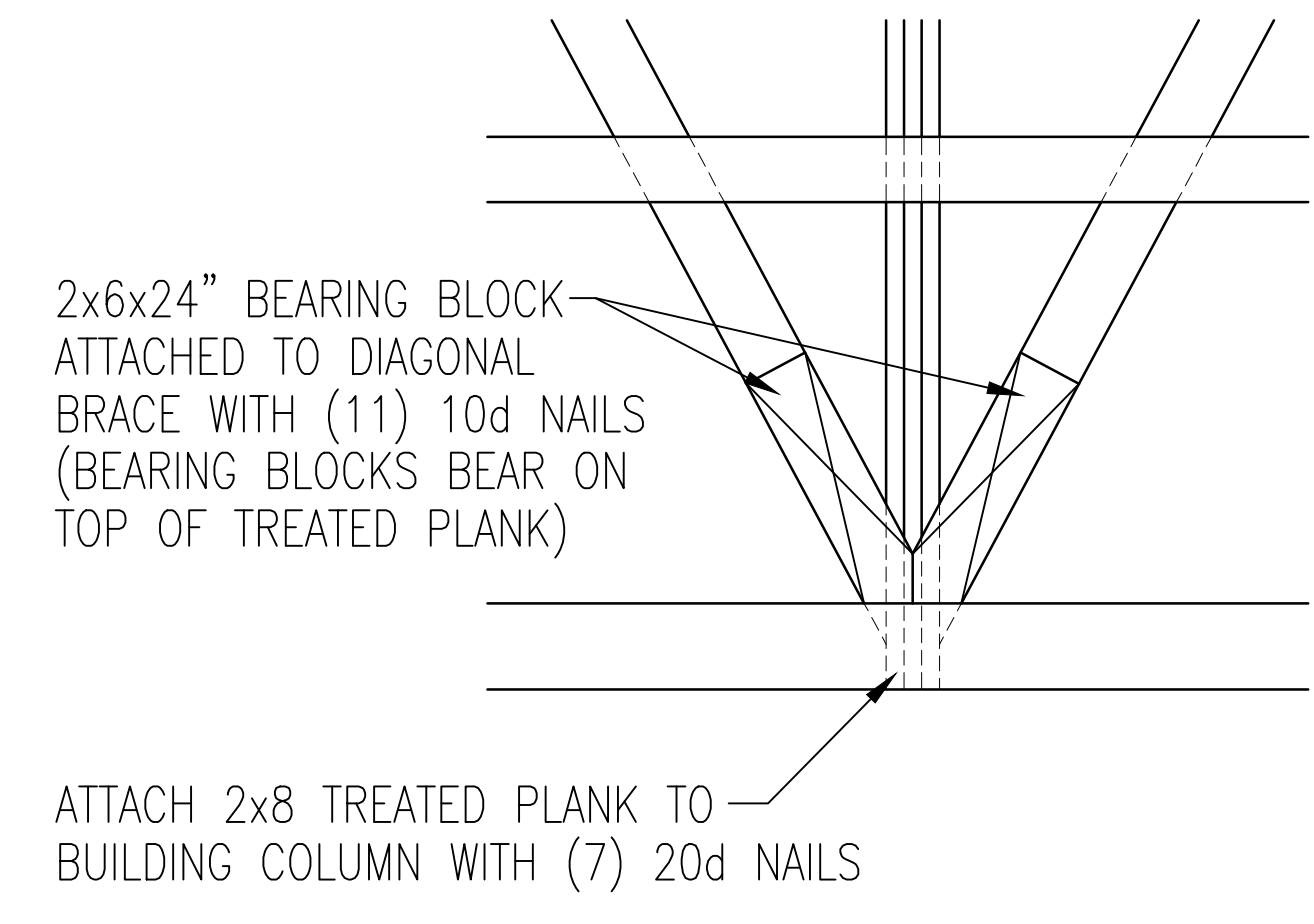
BRACE CONNECTION DETAIL
AT TOP OF BRACE AT ENDWALL COLUMN



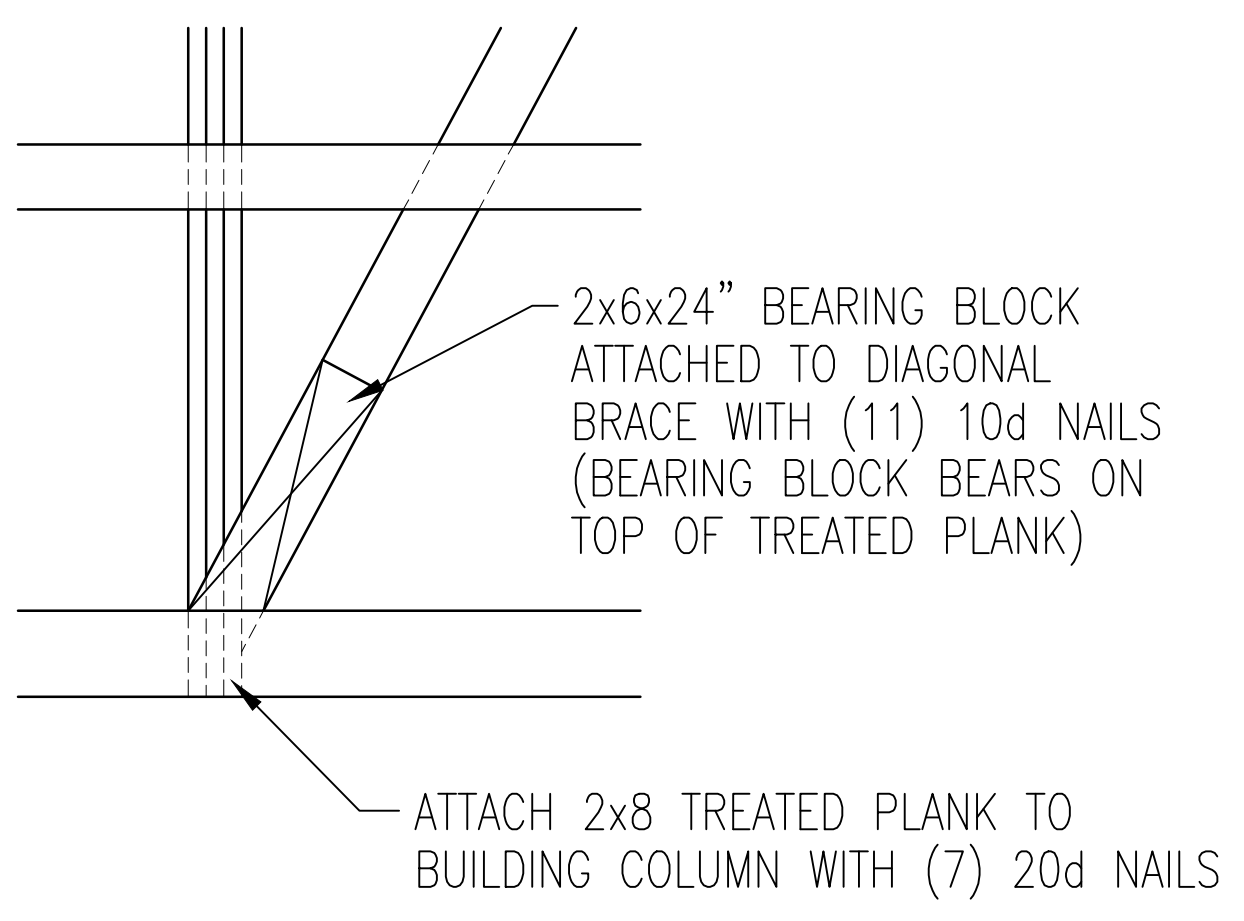
BRACE CONNECTION DETAIL
AT TOP OF BRACE AT CORNER COLUMN



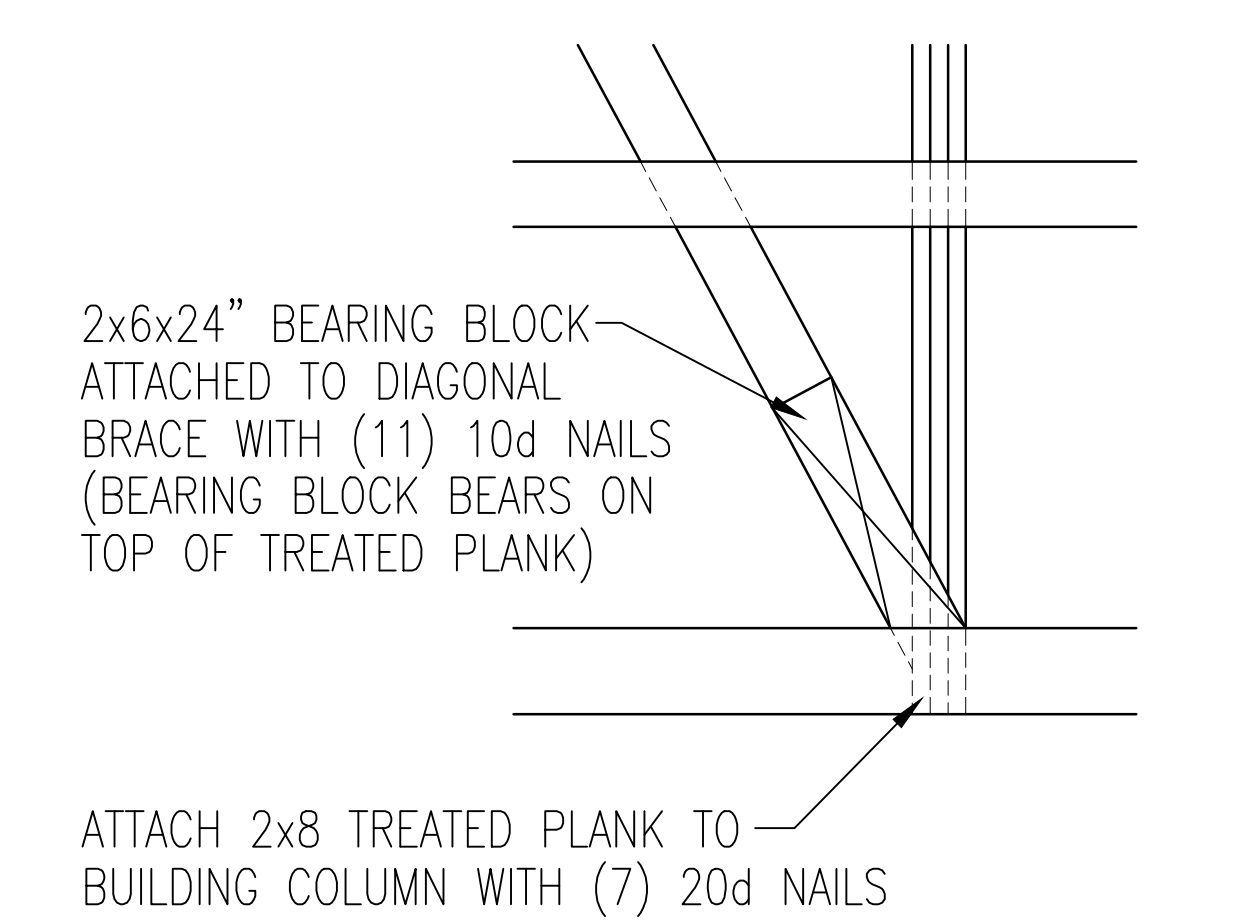
BRACE CONNECTION DETAIL
AT TOP OF BRACE AT ENDWALL COLUMN



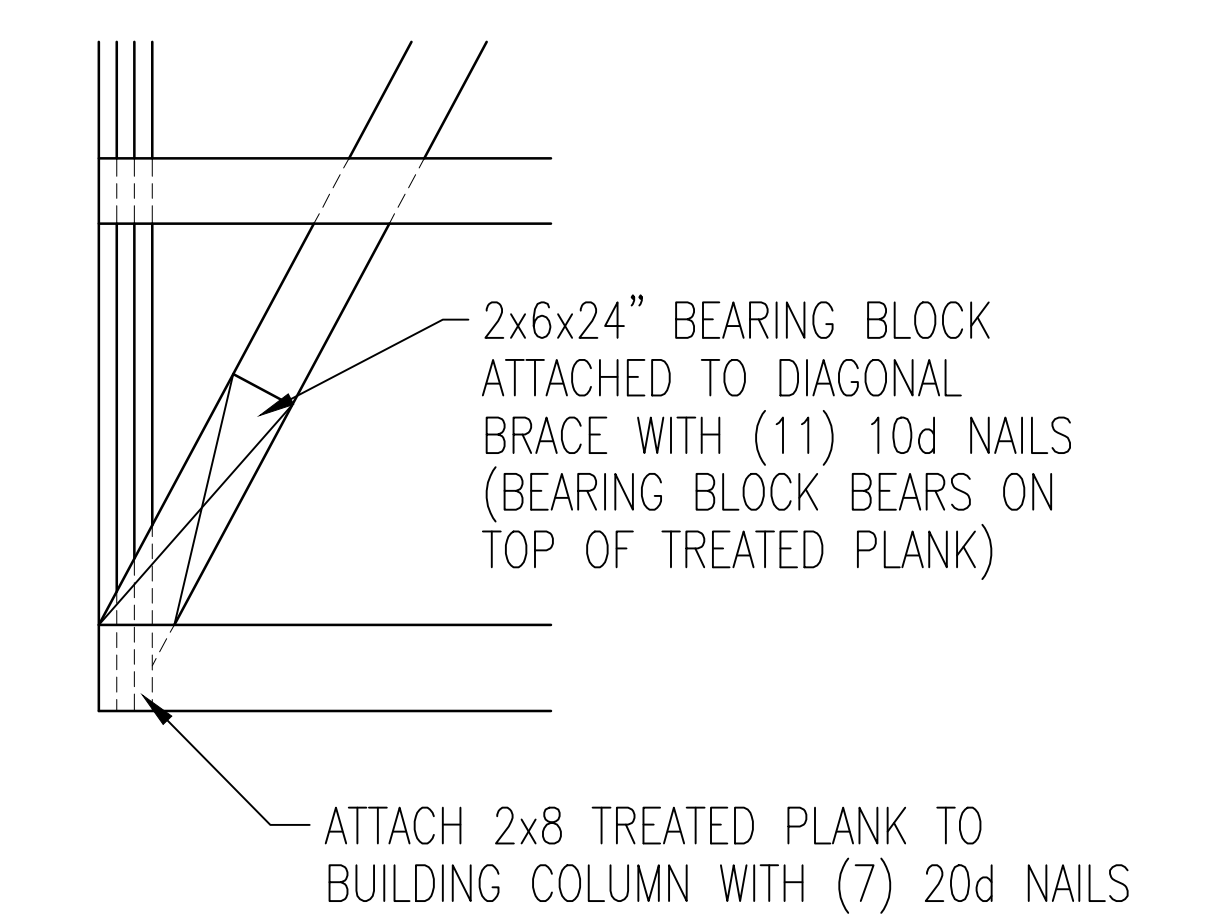
BRACE CONNECTION DETAIL
AT BOTTOM OF BRACE AT ENDWALL COLUMN



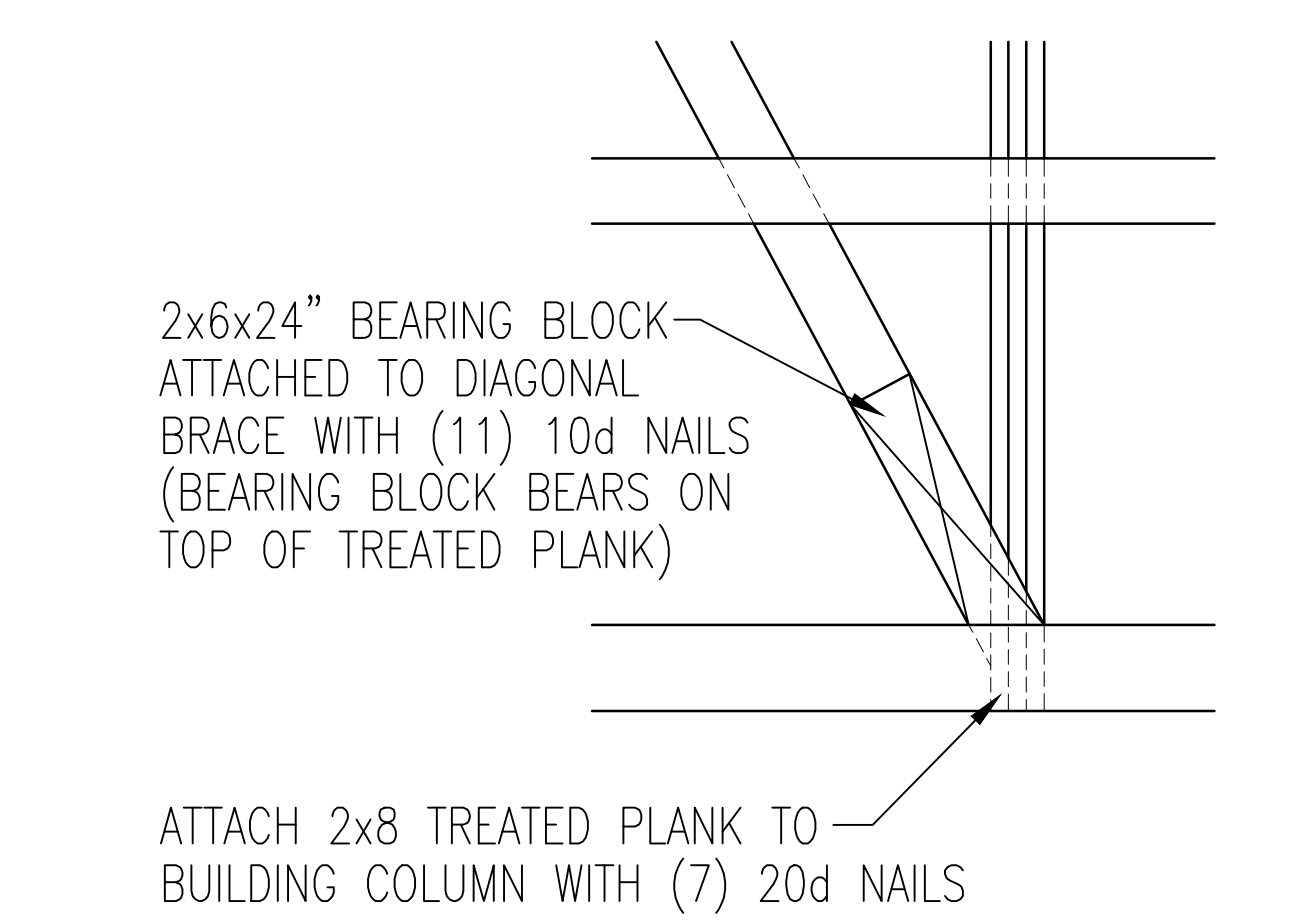
BRACE CONNECTION DETAIL
AT BOTTOM OF BRACE AT ENDWALL COLUMN



BRACE CONNECTION DETAIL
AT BOTTOM OF BRACE AT ENDWALL COLUMN



BRACE CONNECTION DETAIL
AT BOTTOM OF BRACE AT ENDWALL COLUMN

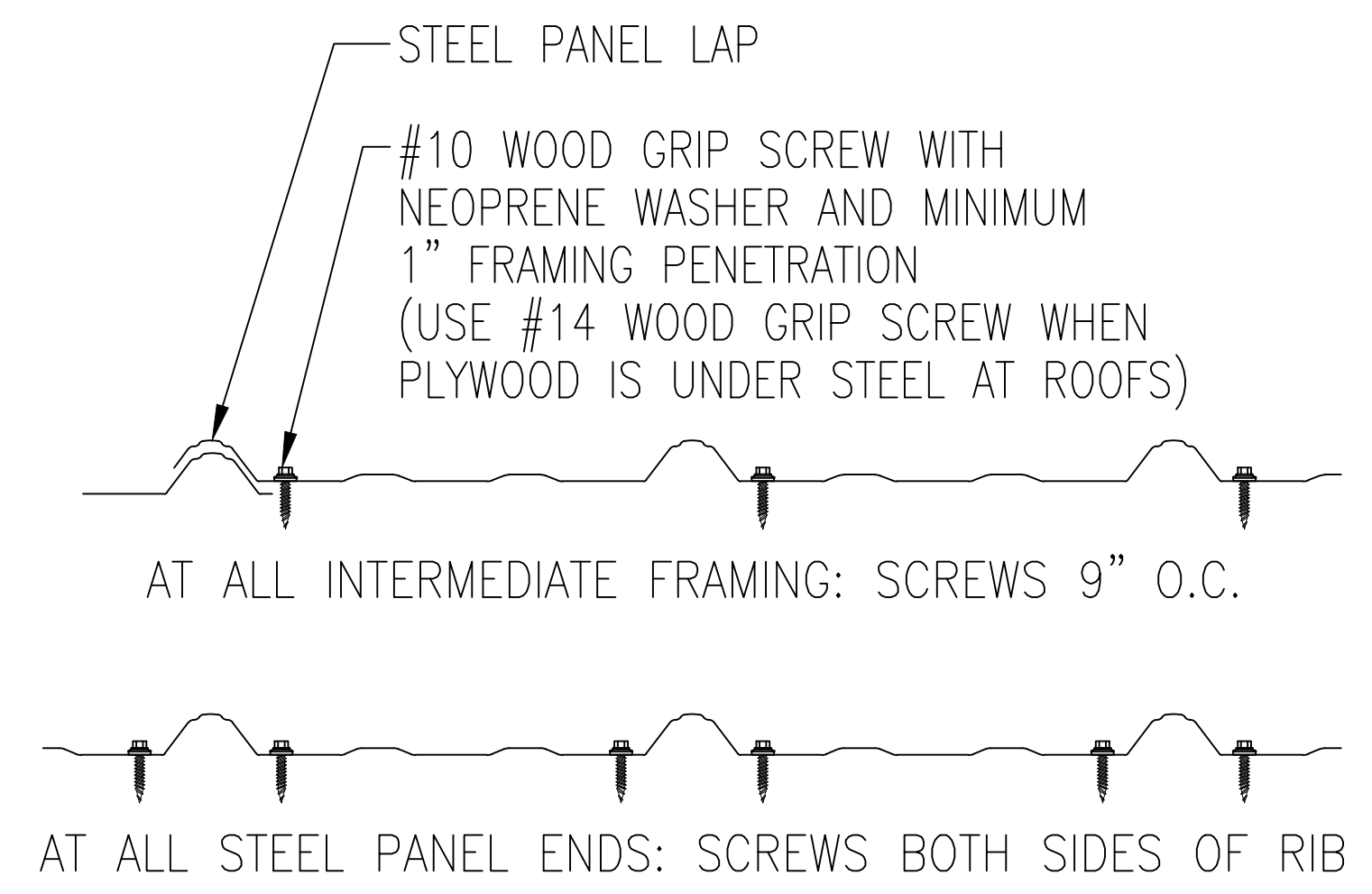


BRACE CONNECTION DETAIL
AT BOTTOM OF BRACE AT ENDWALL COLUMN

ENDWALL DIAGONAL BRACING DETAIL
AT WEST ENDWALL

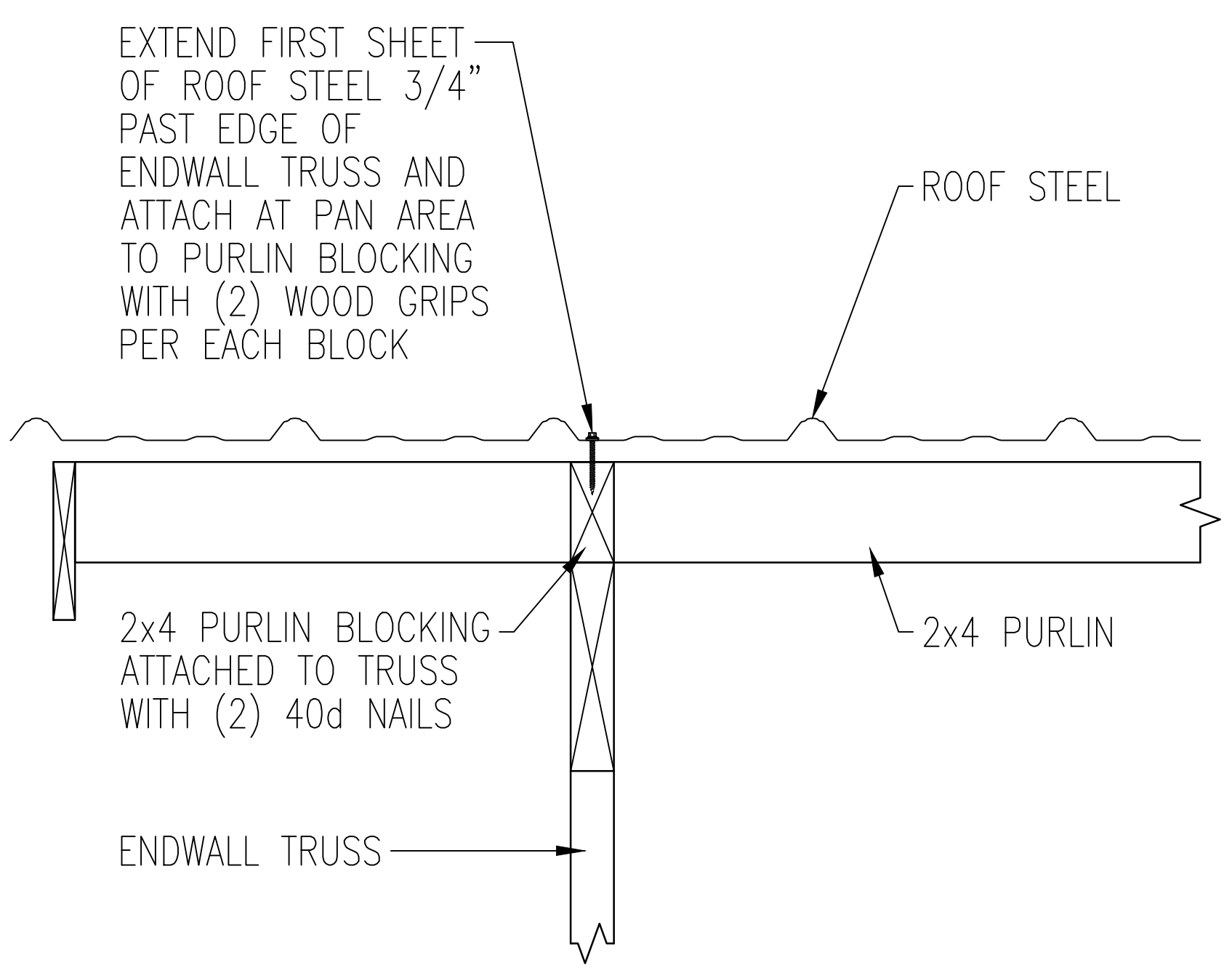
ENDWALL DIAGONAL X-BRACING DETAIL
AT EAST ENDWALL

NUMBER	DATE	BY
1		
2		
3		
4		

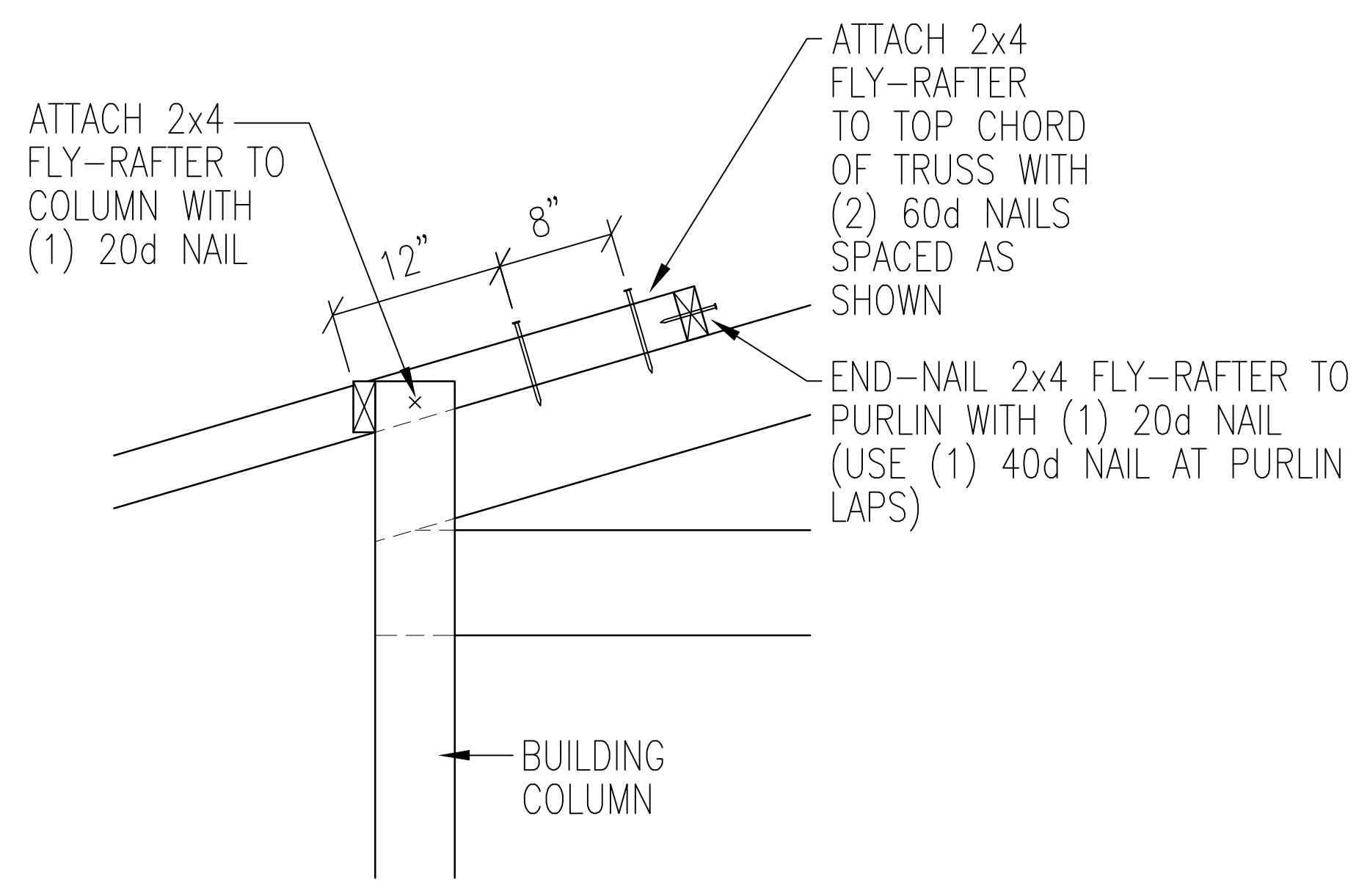


NOTE: PAN NAILS MAY BE SUBSTITUTED FOR PANEL END FASTENERS WHEN CONCEALED BY FLASHING

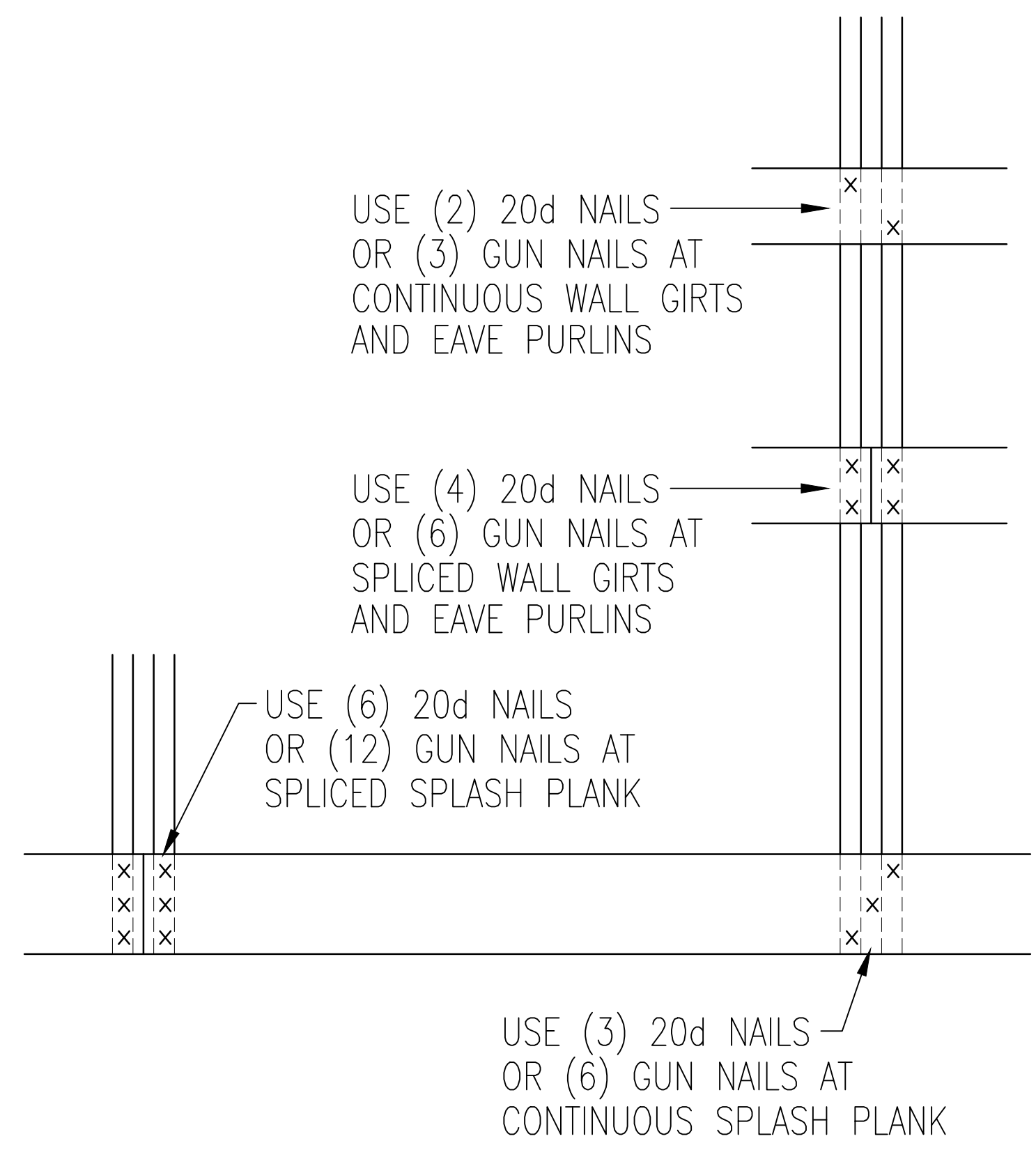
ROOF AND SIDE STEEL ATTACHMENT DETAIL



GABLE DETAIL WITH PURLIN EXTENSION



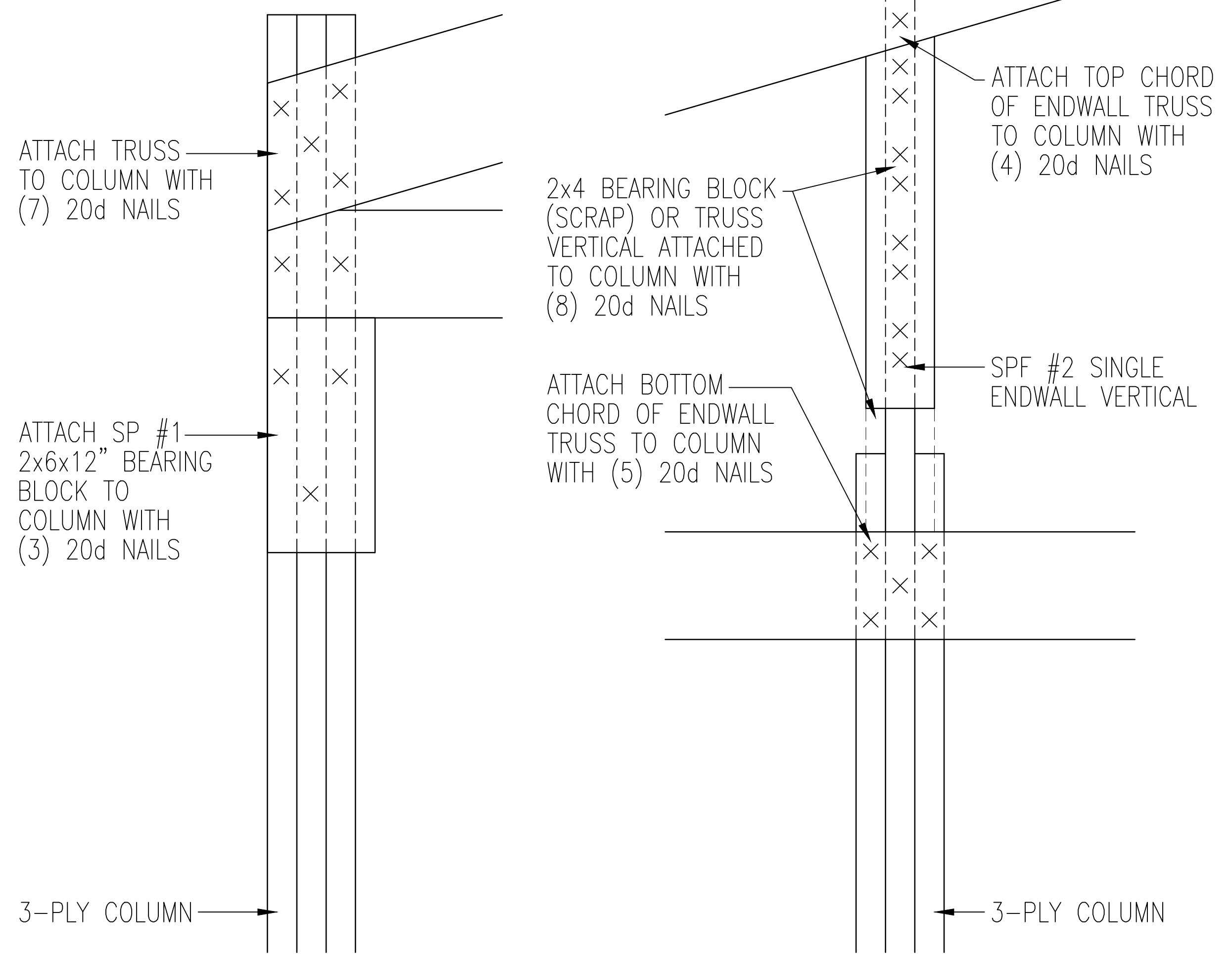
FLY-RAFTER CONNECTION DETAIL



NOTE: 20d NAILS TO BE RING SHANK HOT DIPPED GALVANIZED GUN NAIL ALTERNATE = 0.131x3 1/2 RS-TLN

NOTE: SPLASH PLANK AT BRACING LOCATIONS REQUIRE ADDITIONAL FASTENERS (SEE BRACING DETAIL SHEET)

STANDARD WALL FRAMING NAILING



STRUCTURAL ENDWALL TRUSS CONNECTION DETAILS

AT BOTH ENDWALLS

PROJECT NAME: **CHAPPA, TYLER**

PROJECT SITE ADDRESS: 1236 N 18TH ST SHEBOYGAN, WI 53083 (SHEBOYGAN)

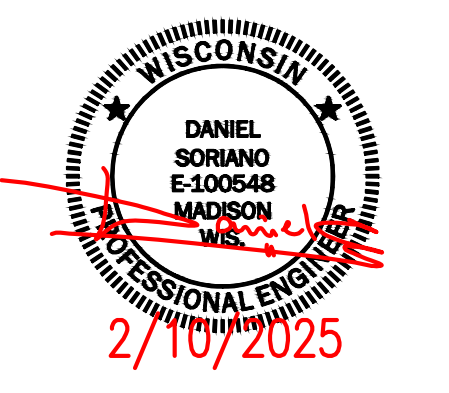
BUILDING SIZE: 40' 0" x 60' 0" x 16' 8"

SHEET NAME: DIAPHRAGM ACTION AND MISC. DETAILS

PROJECT NUMBER: **2025100424**

SHEET NUMBER: **150**

PAPER SCALE IS N.T.S.



TRUSS CHECK
(CHECK BOX AND INITIAL)

- TRUSS SIZE NJJ
- ROOF PITCH NJJ
- BAY SPACING NJJ
- SLC / RLC NJJ
- DESIGN LOADS NJJ
- OVERHANGS NJJ



DRAWN BY: JENKINS
DATE DRAWN: 02/10/25
PLAN REVISIONS:

NUMBER	DATE	BY
1		
2		
3		
4		

PROJECT NAME:
CHAPPA, TYLER
PROJECT SITE ADDRESS:
1236 N 18TH ST
SHEBOYGAN, WI 53083 (SHEBOYGAN)
BUILDING SIZE:
40' 0" x 60' 0" x 16' 8"
SHEET NAME:
TRUSS DIAGRAMS

PROJECT NUMBER:
2025100424
SHEET NUMBER:
160

PAPER SCALE IS N.T.S.



SEQN: 136600 FROM: AJY

COMN Ply: 1 Qty: 1

Job Number: 2025100424

Truss Label: TA39-9PLSC37STNO100C4truss125W

Cust: R 7054 JRef: 1Y7a70540001 T2887
DrwNo: 037.25.1022.03087 / FK 02/06/2025

Loading Criteria (psf)	
TCLL:	37.00
TCDL:	4.00
BCLL:	0.00
BCDL:	1.00
Des Ld:	42.00
NCBCLL:	0.00
Soffit:	2.00
Load Duration:	1.15
Spacing:	120.0"

Wind Criteria	
Wind Std:	ASCE 7-10
Speed:	125 mph
Enclosure:	Closed
Risk Category:	II
EXP:	C Kzt: NA
Mean Height:	20.00 ft
TCDL:	2.4 psf
BCDL:	0.6 psf
MWFRS Parallel Dist:	0 to h/2
C&C Dist a:	3.97 ft
Loc. from endwall:	Any
GCPi:	0.18
Wind Duration:	1.60

Snow Criteria (Pg.Pf in PSF)	
Pg:	47.0
Ct:	1.2
CAT:	II
Pf:	39.5
Ce:	1.0
Lu:	21.0
Cs:	0.94
Snow Duration:	1.15
Building Code:	IBC 2015
TPI Std:	2014
Rep Fac:	No
FT/RT/PT:	20(20)/10(10)/4(0)
Plate Type(s):	
18SS, WAVE, HS	
VIEW Ver:	21.01.01.0429.14

Defl/CSI Criteria	
PP Deflection in loc L/defl L/#	
VERT(LL):	0.815 M 580 240
VERT(CL):	0.930 M 508 240
HORZ(LL):	0.282 I - -
HORZ(TL):	0.322 I - -

Maximum Reactions (lbs)	
Loc	R+ / R- / Rh / Rw / U / RL
P	8393 - / - / - / 1135 / 2817 / 527
Q	8393 - / - / - / 1135 / 2817 / -
W	8393 - / - / - / 1135 / 2817 / -
X	8393 - / - / - / 1135 / 2817 / -
Y	8393 - / - / - / 1135 / 2817 / -
Z	8393 - / - / - / 1135 / 2817 / -

Lumber

Top chord: 2x10 SP 2400F-2.0E;
Bot chord: 2x8 SP 2400F-2.0E;
Webs: 2x4 SP #2; W3, W4, W5, W6 2x6 SP 2400F-2.0E;
Lt Wedge: 2x4 SP #2; Rt Wedge: 2x4 SP #2;

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
A - O	17377 - 9917	L - K	15334 - 8478
O - N	15334 - 8472	K - J	15334 - 8478
N - M	15334 - 8472	J - I	17377 - 9911
M - L	12044 - 6326		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
B - O	1305 - 1729	E - L	4689 - 2347
O - D	1629 - 1197	L - F	2395 - 4655
D - M	2395 - 4655	F - J	1629 - 1197
M - E	4689 - 2347	J - H	1305 - 1729

WI COA #2902-011

****WARNING** READ AND FOLLOW ALL NOTES ON THIS DRAWING!**
****IMPORTANT** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS**
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information) by TPI and SBCA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have continuous lateral restraint (CLR), installed with diagonal bracing installed on the CLR per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.
Alpine, a division of ITW Building Components Group Inc, shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbccomponents.com; ICC: iccsafe.org; AWC: awc.org

SEQN: 136621 FROM: AJY

GABL Ply: 1 Qty: 1

Job Number: 2025100424

Truss Label: TB39-9SEW4WO-H12HEEL125W

Cust: R 7054 JRef: 1Y7a70540001 T2891
DrwNo: 037.25.1023.12560 / FK 02/06/2025

Loading Criteria (psf)	
TCLL:	37.00
TCDL:	4.00
BCLL:	0.00
BCDL:	1.00
Des Ld:	42.00
NCBCLL:	0.00
Soffit:	2.00
Load Duration:	1.15
Spacing:	72.0"

Wind Criteria	
Wind Std:	ASCE 7-10
Speed:	125 mph
Enclosure:	Closed
Risk Category:	II
EXP:	C Kzt: NA
Mean Height:	20.00 ft
TCDL:	2.4 psf
BCDL:	0.6 psf
MWFRS Parallel Dist:	0 to h/2
C&C Dist a:	3.97 ft
Loc. from endwall:	Any
GCPi:	0.18
Wind Duration:	1.60

Snow Criteria (Pg.Pf in PSF)	
Pg:	47.0
Ct:	1.2
CAT:	II
Pf:	39.5
Ce:	1.0
Lu:	21.0
Cs:	0.94
Snow Duration:	1.15
Building Code:	IBC 2015
TPI Std:	2014
Rep Fac:	No
FT/RT/PT:	20(20)/10(10)/4(0)
Plate Type(s):	
HS, WAVE, 18SS	
VIEW Ver:	21.01.01.0429.14

Defl/CSI Criteria	
PP Deflection in loc L/defl L/#	
VERT(LL):	0.215 M 911 240
VERT(CL):	0.245 M 799 240
HORZ(LL):	0.103 H - -
HORZ(TL):	0.117 H - -

Maximum Reactions (lbs)	
Loc	R+ / R- / Rh / Rw / U / RL
Q	1892 - / - / - / 251 / 471 / 317
R	628 - / -66 / - / 31 / 2 / -
S	1048 - / - / - / 199 / 506 / -
T	628 - / - / 0 / 100 / 138 / -
U	628 - / - / 0 / 100 / 138 / -
V	628 - / - / 0 / 100 / 138 / -
W	628 - / - / 0 / 100 / 138 / -
X	628 - / - / 0 / 100 / 138 / -
Y	628 - / - / 0 / 100 / 138 / -
Z	628 - / - / 0 / 100 / 138 / -

Lumber

Top chord: 2x8 SP 2400F-2.0E;
Bot chord: 2x8 SP #1;
Webs: 2x4 SP #2;
Lt Wedge: 2x6 SPF #1/#2; Rt Wedge: 2x6 SPF #1/#2;

Maximum Bot Chord Forces Per Ply (lbs)

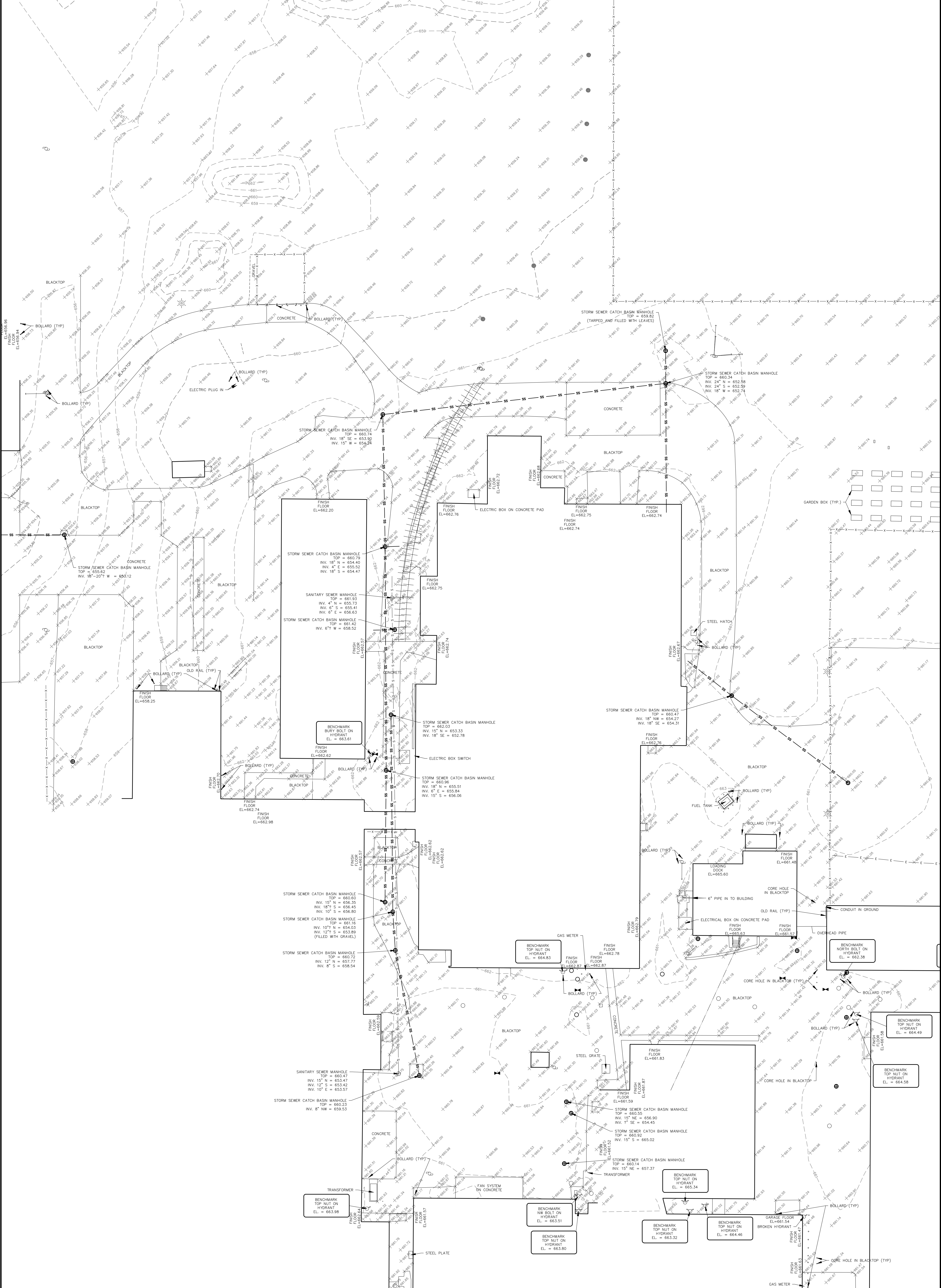
Chords	Tens.Comp.	Chords	Tens. Comp.
A - O	17377 - 9917	L - K	15334 - 8478
O - N	15334 - 8472	K - J	15334 - 8478
N - M	15334 - 8472	J - I	17377 - 9911
M - L	12044 - 6326		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
B - O	1305 - 1729	E - L	4689 - 2347
O - D	1629 - 1197	L - F	2395 - 4655
D - M	2395 - 4655	F - J	1629 - 1197
M - E	4689 - 2347	J - H	1305 - 1729

WI COA #2902-011

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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbccomponents.com; ICC: iccsafe.org; AWC: awc.org



TOPOGRAPHIC SURVEY
 FOR: ABACUS ARCHITECTS
 1135A MICHIGAN AVENUE
 SHEBOYGAN, WI 53081
 PART OF THE NW 1/4, SECTION 22, T15N, R23E,
 CITY OF SHEBOYGAN, SHEBOYGAN COUNTY, WISCONSIN

Revisions:

NO.	DATE	DESCRIPTION

100 South 10th Street
 Oostburg, WI 53070
 920-547-0999

CEDAR CREEK SURVEYING, LLC
 ENGINEERS • SURVEYORS • DRAFTERS
www.cedarcreeksurveying.com

FILE No.: 2025015 DATE: 2/17/2025 PAGE: 1 OF 1

- LEGEND**
- ☉ = Power Pole
 - ☉ = Light Pole
 - ☉ = Guy Wire
 - ☉ = Water Valve
 - ☉ = Hydrant
 - ☉ = Manhole
 - ☉ = Catch Basin Manhole
 - ☉ = Electric Line
 - ☉ = Electric Overhead Line
 - ☉ = Storm Sewer Line
 - ☉ = Fence

