

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:
- 2021 International Building Code (IBC)
2018 Edition Of "National Design Specifications for Wood Construction"

Risk Category: II
Use Group(s) Classification: U
Building Use: Garage
Type of Construction: Type VB
Building Area: 2400 Sq. Ft.

Building Design Loads:
Snow Design Data:
Ground Snow Load (Pg): 35 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): 29.4 PSF
Sloped Roof Snow Load (Ps): 27.6 PSF
Unbalanced Snow Loads: 8.3 PSF Windward
27.6 PSF Leeward
16.28 PSF Leeward surcharge
7.0 Ft. Width of surcharge

Wind Design Data:
Basic Design Wind Speed (V): 115 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: 3152 LBS
Seismic Response Coefficient (Cs): 0.176
Analysis Procedure Used: Equivalent Lateral Force Procedure
Seismic Design Category: D
Mapped Spectral Response Accelerations (Sa): 158.3%g
(S): 53.8%g
Spectral Response Coefficients (Sps): 1.055g
(Sp1): 0.538g
Site Class: D
Seismic Importance Factor (I): 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. AWWPA 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" 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.

TABLE OF CONTENTS

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



DRAWN BY: CRAIG WERNISING

DATE DRAWN: 12/04/23

PLAN REVISIONS:

NUMBER	DATE	BY
1		
2		
3		
4		

PROJECT NAME: RIDDLE, JERRY
PROJECT SITE ADDRESS: 1338 WEST 4800 SOUTH TAYLORSVILLE, UT 84123 (SALT LAKE)
BUILDING SIZE: 40' 0" x 60' 0" x 13' 8"
SHEET NAME: ELEVATIONS

PROJECT NUMBER: 2023105050

SHEET NUMBER: 110

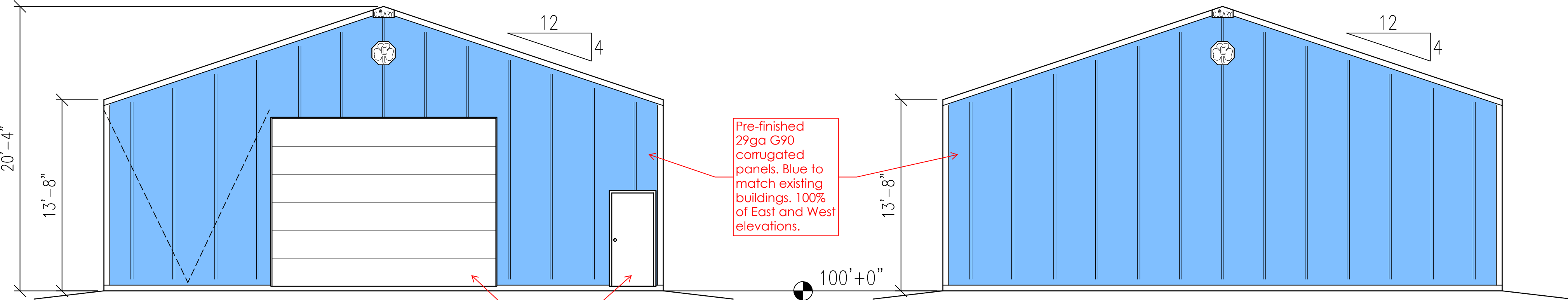
WHEN PRINTED ON 24"x36" PAPER SCALE IS 3/16"=1'-0"



Translucent panels.
15% of North
elevation.

Pre-finished 29ga G90
corrugated panels. Blue to
match existing buildings.
85% of North elevation.

NORTH ELEVATION



WEST ELEVATION

EAST ELEVATION

White metal doors.

CONTINUOUS PEAK
VENTILATION

Translucent panels.
15% of South elevation.

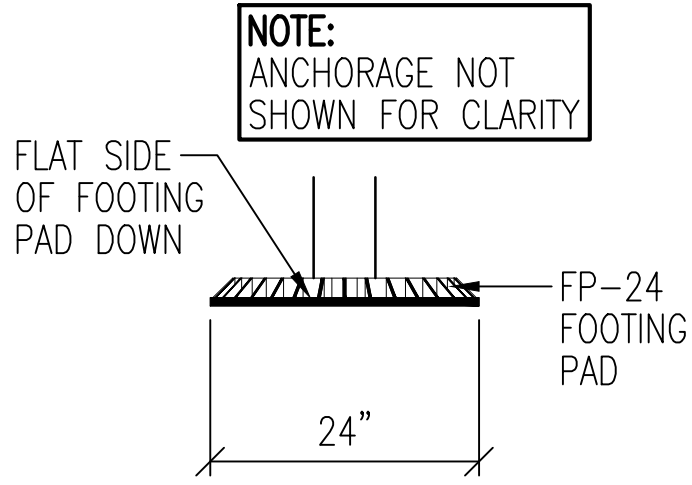
Pre-finished 29ga G90
corrugated panels. Blue to
match existing buildings.
85% of South elevation.

SOUTH ELEVATION

COLUMNS	COLUMN SIZE	HOLE DEPTH	HOLE DIAMETER	FOOTING SIZE	NUMBER OF COLUMNS REQUIRED
(A) CORNER	3-PLY 2x6x18'-0"	4'-6"	18"ø	4"x14"ø PRECAST CONCRETE FOOTING	4
(B) SIDEWALL	3-PLY 2x6x18'-0"	4'-6"	24"ø	AGCO FP-24 FOOTING PAD (SEE NOTE/DETAIL)	10
(C) VERT. BRACE	3-PLY 2x6x7'-10"	---	---	VERTICAL BRACE B.E.=12' 5 1/2"	1
(D) ENDWALL	3-PLY 2x6x21'-4"	4'-6"	18"ø	4"x14"ø PRECAST CONCRETE FOOTING	2
(E) ENDWALL	3-PLY 2x6x21'-11"	4'-6"	18"ø	4"x14"ø PRECAST CONCRETE FOOTING	2
(F) ENDWALL	3-PLY 2x6x24'-8"	4'-6"	18"ø	4"x14"ø PRECAST CONCRETE FOOTING	1
(G) ENDWALL	3-PLY 2x6x20'-0"	4'-6"	18"ø	4"x14"ø PRECAST CONCRETE FOOTING	2

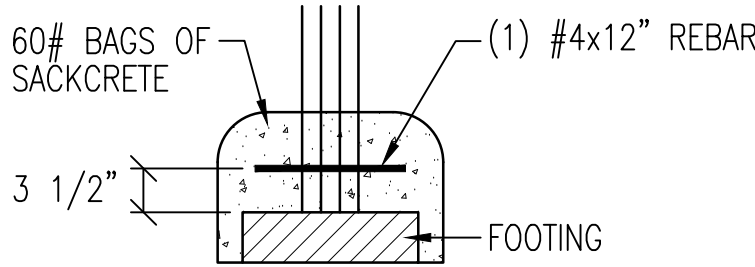
NOTE:
6 TOTAL BAGS OF SACKCRETE
REQUIRED FOR FOOTINGS AND
COLUMN ANCHORAGE

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



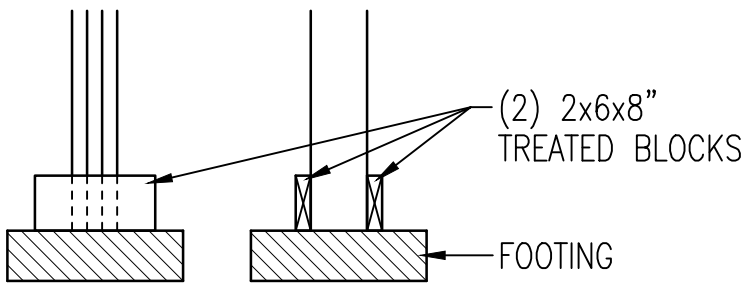
FOOTING PAD DETAIL

◊ = 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

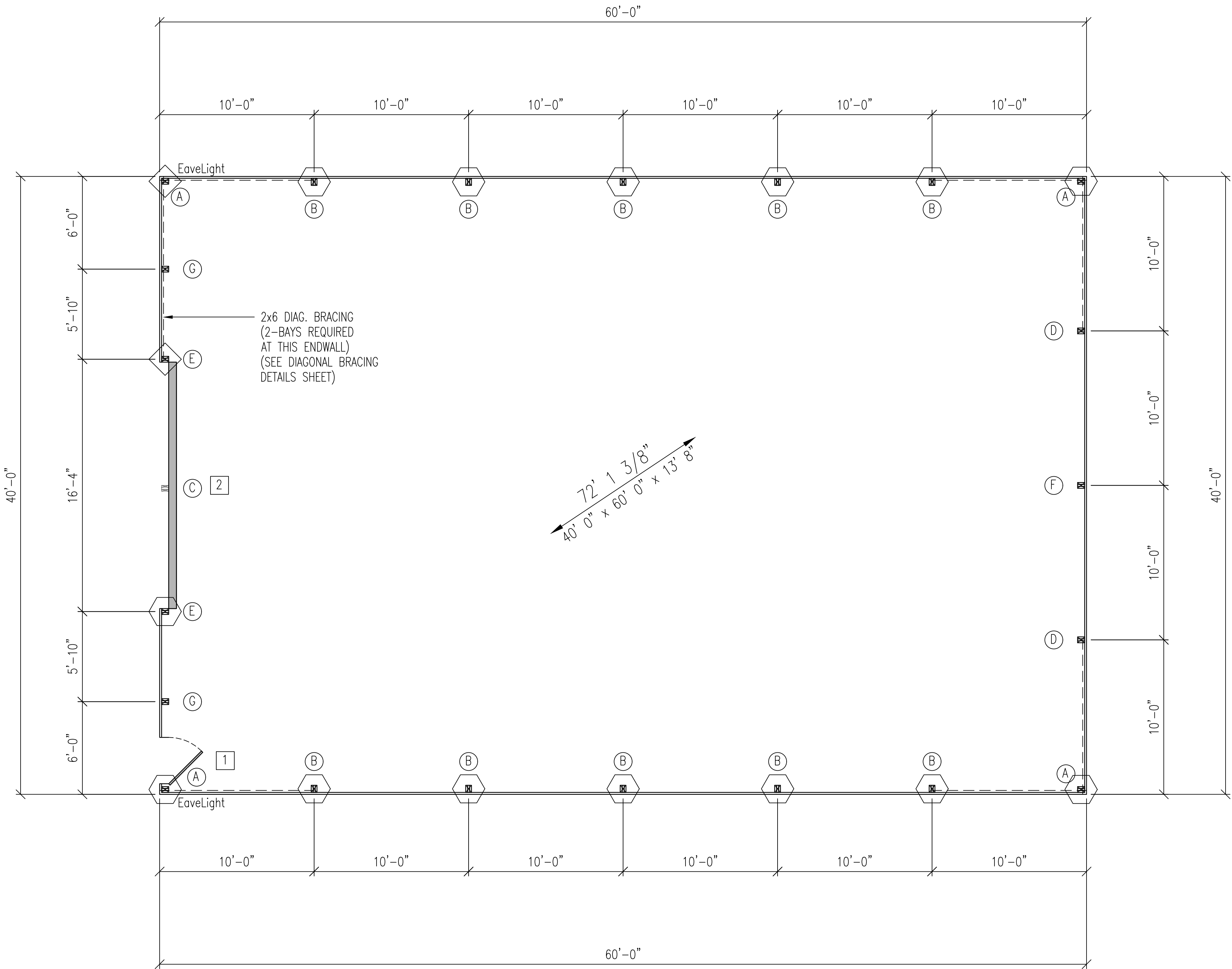
◊ = ANCHOR COLUMNS WITH (2) 2x6x8" TREATED
BLOCKS ATTACHED TO COLUMN WITH
(3) 20d NAILS PER EACH BLOCK FOR UPLIFT
NOTE: COLUMN SETS ON TOP OF
FOOTING - CHECK COLUMN CHART FOR
EXACT FOOTING SIZE REQUIREMENTS



COLUMN ANCHOR DETAIL

BUILDING ACCESSORY SCHEDULE					
	ITEM	SIZE	B.E./T.E.	QTY	ROUGH OPENING & ACCESSORY FEATURES
1	SOLID WALK DOOR	3' 0"x6' 8"	B.E. =100' 4"	1	R.O. 3' 4 3/8"x6' 9 3/4", STANDARD, BRILLIANT, KNOB/KNOB LOCKSET, KEYED ALIKE
2	OVERHEAD DOOR	16' 0"x12' 0"	B.E. =100' 4"	1	I.D. =15' 11 1/2", 13-20" HEADROOM OPTION WITHOUT LINER, DOOR BY CLEARY SUB

NOTES:
1. FIELD VERIFY ALL DOOR AND WINDOW ROUGH OPENING SIZES PRIOR TO INSTALLING FRAME-OUTS
2. ENDWALL COLUMNS ARE 3-PLY TO THE BUILDING EAVE HEIGHT AND 1-PLY FROM THERE TO THE ROOF PLANE
3. 2x4 STANDARD DIAGONAL CORNER BRACING AT ALL CORNERS (UNLESS OTHERWISE NOTED)
4. End Wall 1 on Building 1 (West) - Install Standard Shamrock
5. End Wall 2 on Building 1 (East) - Install Standard Shamrock
6. 2x4 CORNER BLOCKING TO BE INSTALLED AT ALL CORNERS AND OVERHEAD DOORS



— NORTH —



DRAWN BY: CRAIG WERNSING

DATE DRAWN: 12/04/23

PLAN REVISIONS:

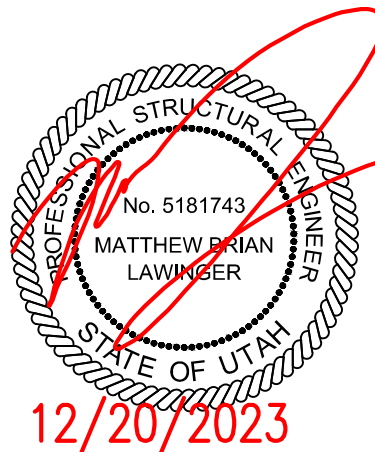
NUMBER	DATE	BY
1		
2		
3		
4		

PROJECT NAME:
RIDDLE , JERRY
PROJECT SITE ADDRESS:
1338 WEST 4800 SOUTH
TAYLORSVILLE, UT 84123 (SALT LAKE)
BUILDING SIZE:
40' 0" x 60' 0" x 13' 8"
SHEET NAME:
FLOOR PLAN

PROJECT NUMBER:
2023105050

SHEET NUMBER:
120

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



12/20/2023

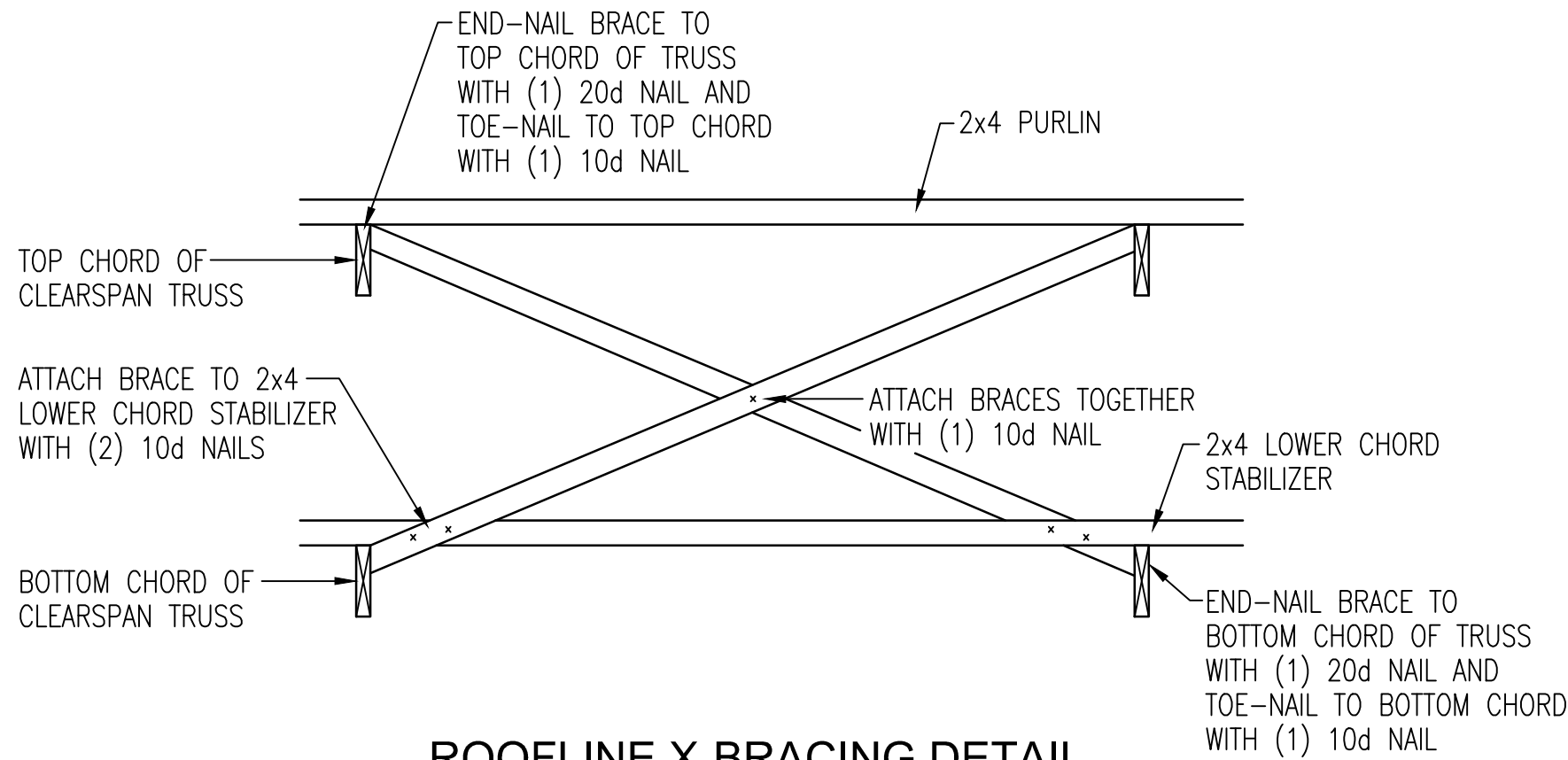
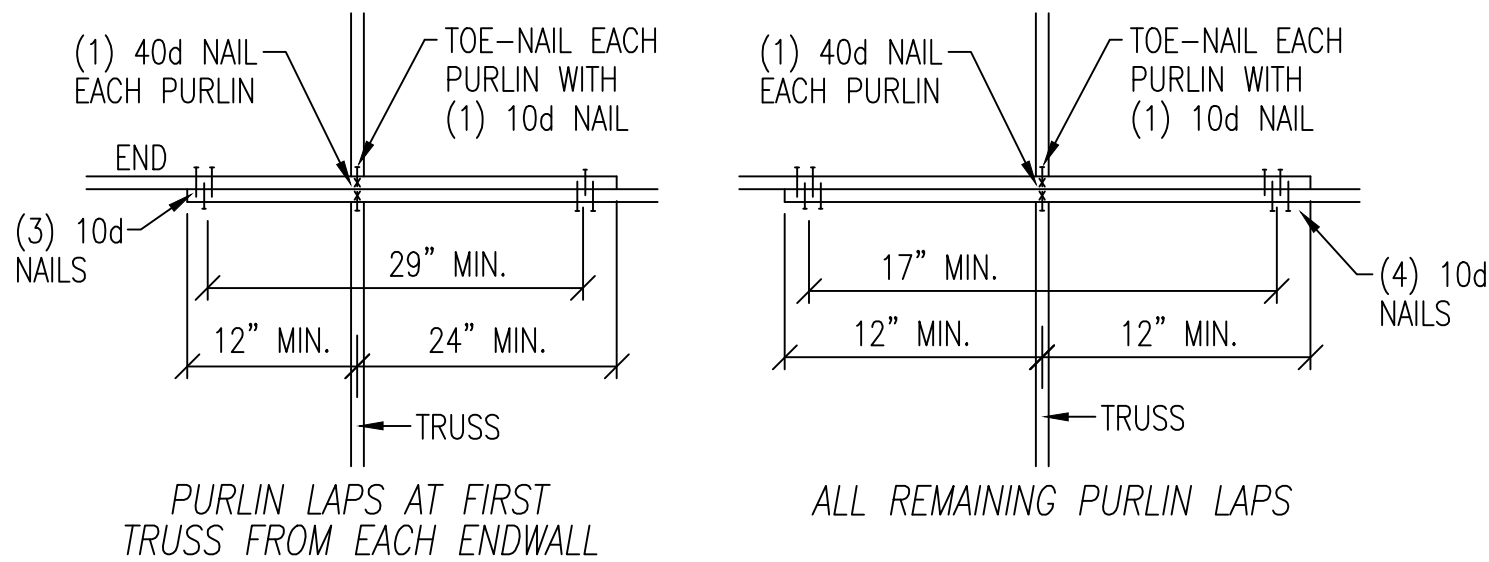
TRUSS INFORMATION			
#	DESCRIPTION	SCREW PLACEMENT	HOLE
1	TB39-9ENDWALL4WOHSEW	PURLINS NAILED	NONE
2	TA39-9PLRC28STNO100C4TRUSS115W	PURLINS NAILED	NONE
3	TA39-9PLRC28STNO100C4TRUSS115W	PURLINS NAILED	NONE
4	TA39-9PLRC28STNO100C4TRUSS115W	PURLINS NAILED	NONE
5	TA39-9PLRC28STNO100C4TRUSS115W	PURLINS NAILED	NONE
6	TA39-9PLRC28STNO100C4TRUSS115W	PURLINS NAILED	NONE
7	TB39-9ENDWALL4WOHSEW	PURLINS NAILED	NONE

NOTES:

- 2x6 JACKBRACING AT ENDWALL COLUMNS (NOT NEEDED AT FULL LENGTH COLUMNS)
┤ = LOCATION ON FLOOR PLAN FOR JACKBRACING
- 2x4 PURLIN BLOCKING AT ENDWALL TRUSSES
- (X) = BAYS WITH 2x4 ROOFLINE X-BRACING

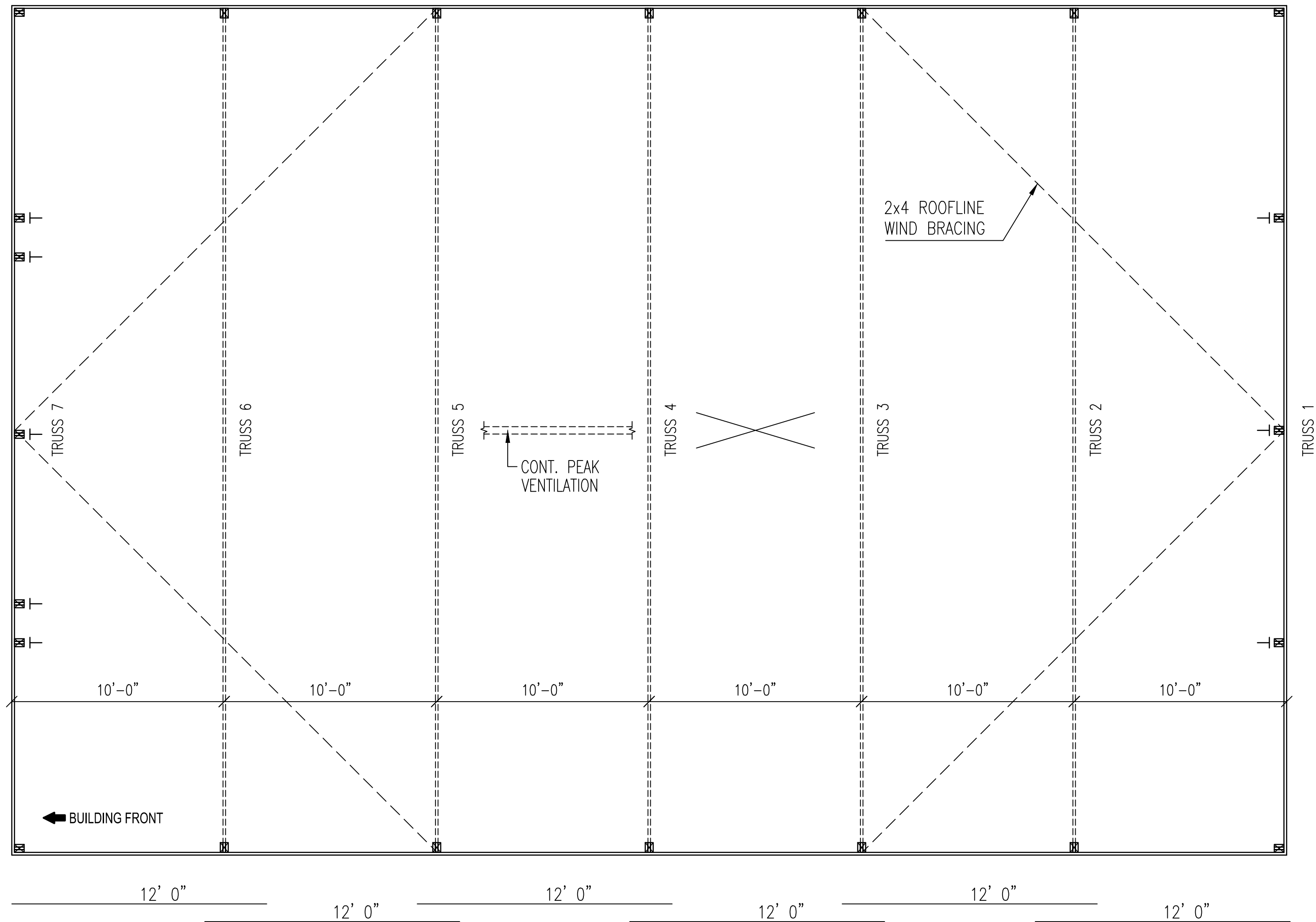
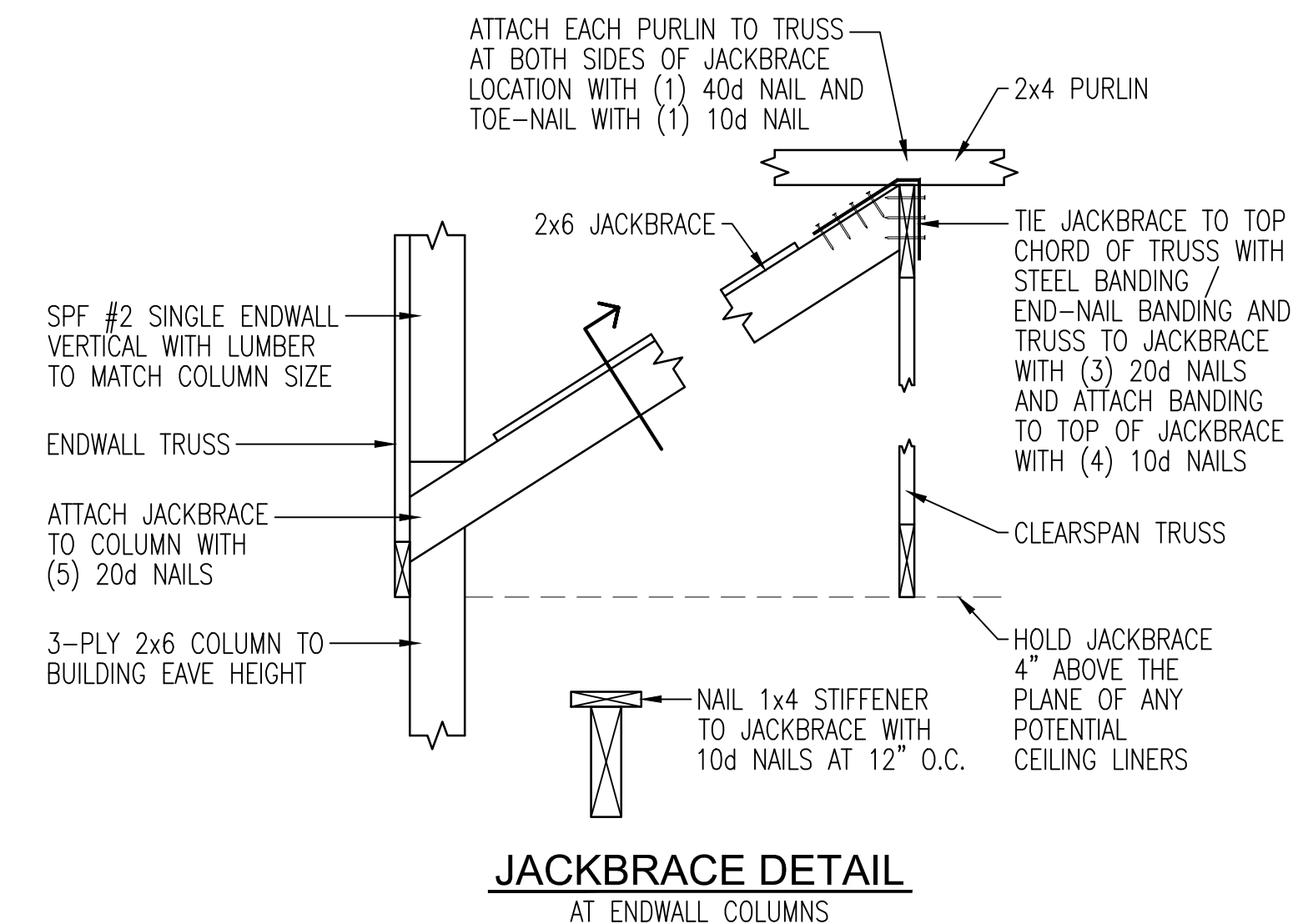
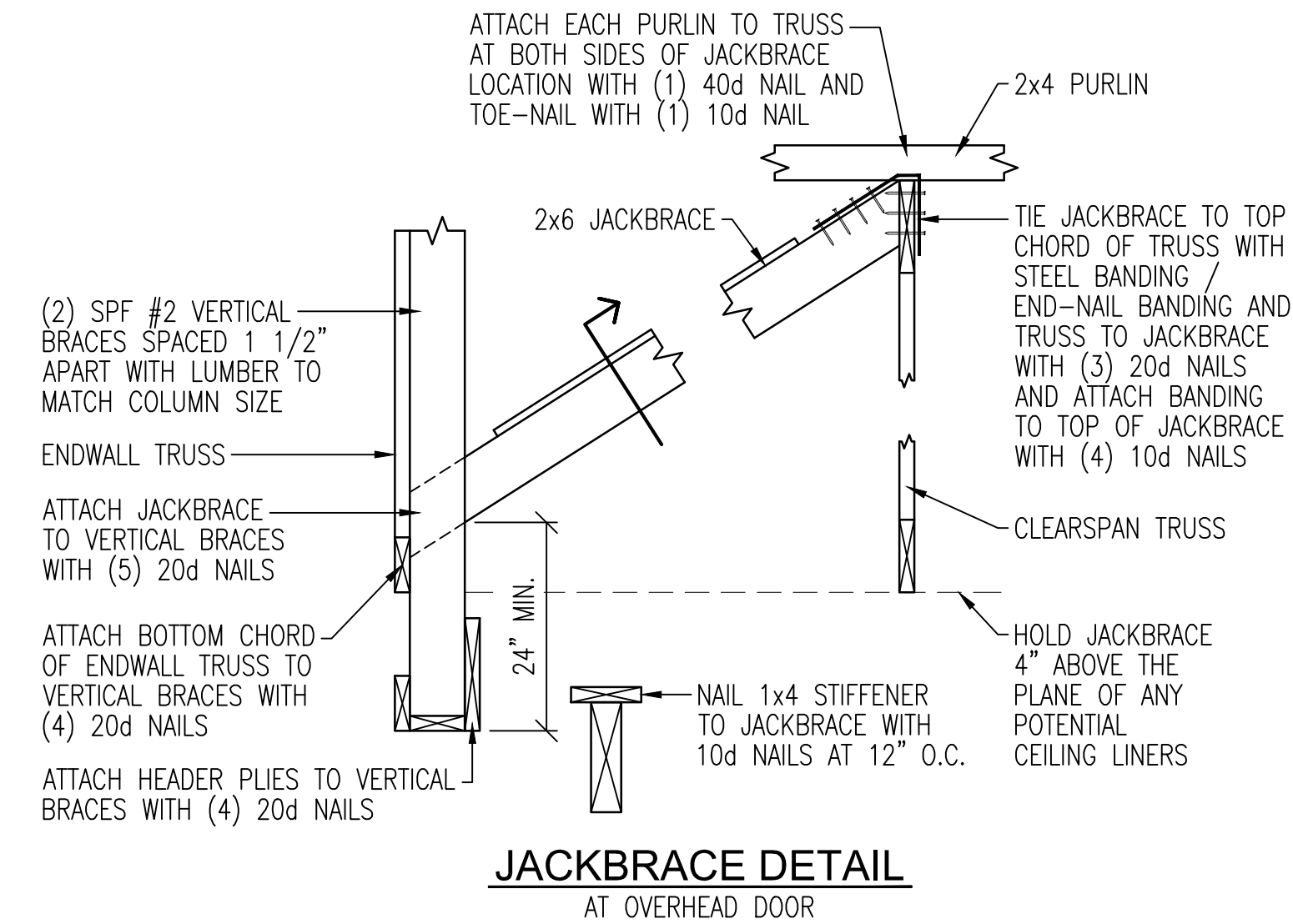
CONT. PURLIN DESIGN

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



NOTE:
WHEN INSTALLING JACKBRACE
UNITS OVER AN OVERHEAD DOOR
FRAME-OUT, HOLD JACKBRACE
UNIT UP 24" ABOVE DOOR WHALER

NOTE:
CENTER ONE JACKBRACE UNIT FOR OVERHEAD
DOORS WIDER THAN 12' UP TO AND INCLUDING
20' WIDE, EVENLY SPACE TWO JACKBRACE UNITS
FOR OVERHEAD DOORS MORE THAN 20' WIDE



— NORTH —



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

DRAWN BY: CRAIG WERNING

DATE DRAWN: 12/04/23

PLAN REVISIONS:

NUMBER	DATE	BY
1		
2		
3		
4		

PROJECT NAME:
RIDDLE, JERRY

PROJECT SITE ADDRESS:
1338 WEST 4800 SOUTH
TAYLORSVILLE, UT 84123 (SALT LAKE)

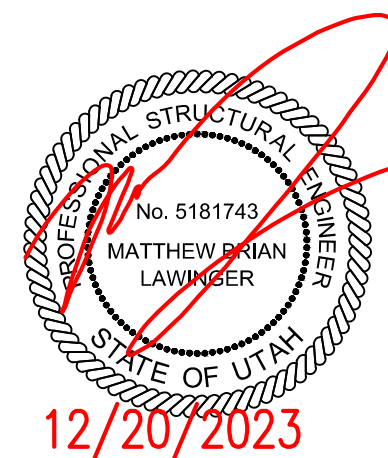
BUILDING SIZE:
40' 0" x 60' 0" x 13' 8"

SHEET NAME:
ROOF FRAMING PLAN

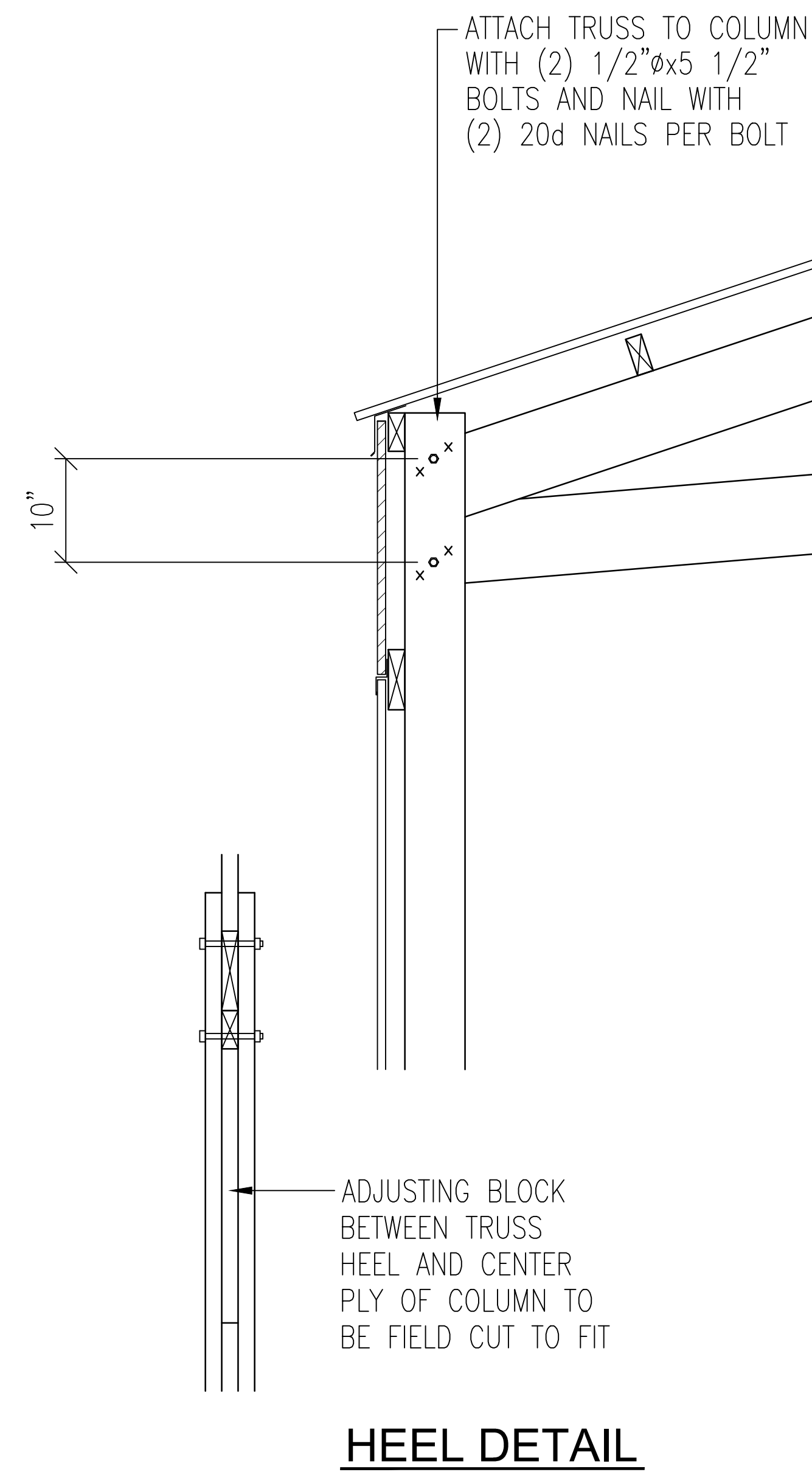
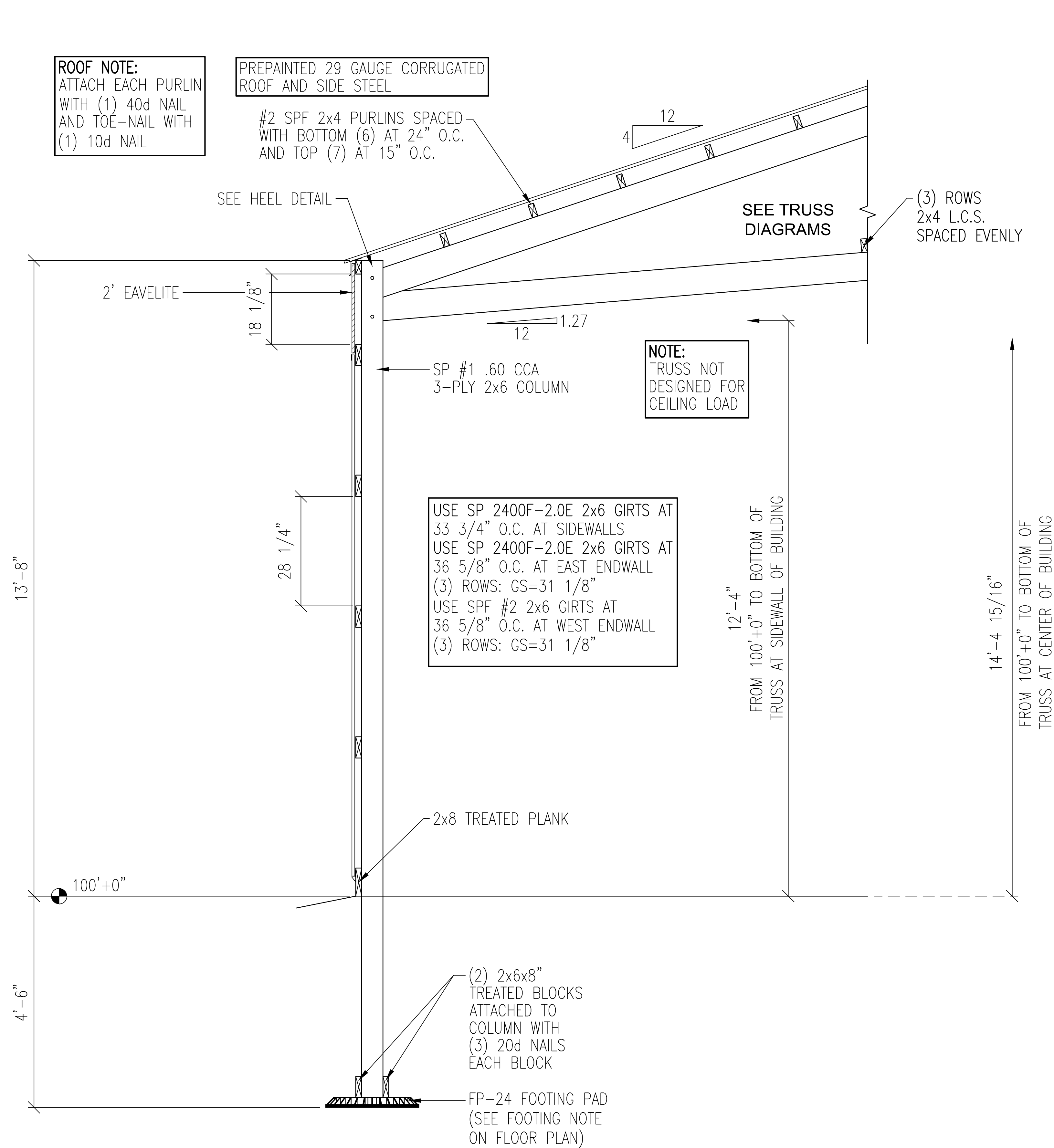
PROJECT NUMBER:
2023105050

SHEET NUMBER:
125

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



12/20/2023



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

DRAWN BY: CRAIG WERNING

DATE DRAWN: 12/04/23

PLAN REVISIONS:

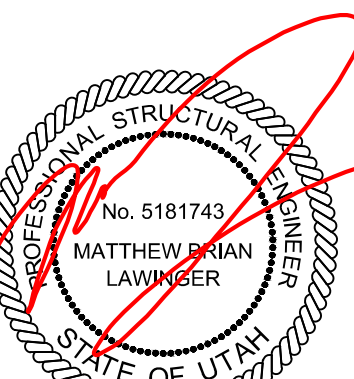
NUMBER	DATE	BY
1		
2		
3		
4		

PROJECT NAME:
RIDDLE , JERRY
PROJECT SITE ADDRESS:
1338 WEST 4800 SOUTH
TAYLORSVILLE, UT 84123 (SALT LAKE)
BUILDING SIZE:
40' 0" x 60' 0" x 13' 8"
SHEET NAME:
TYPICAL SECTION

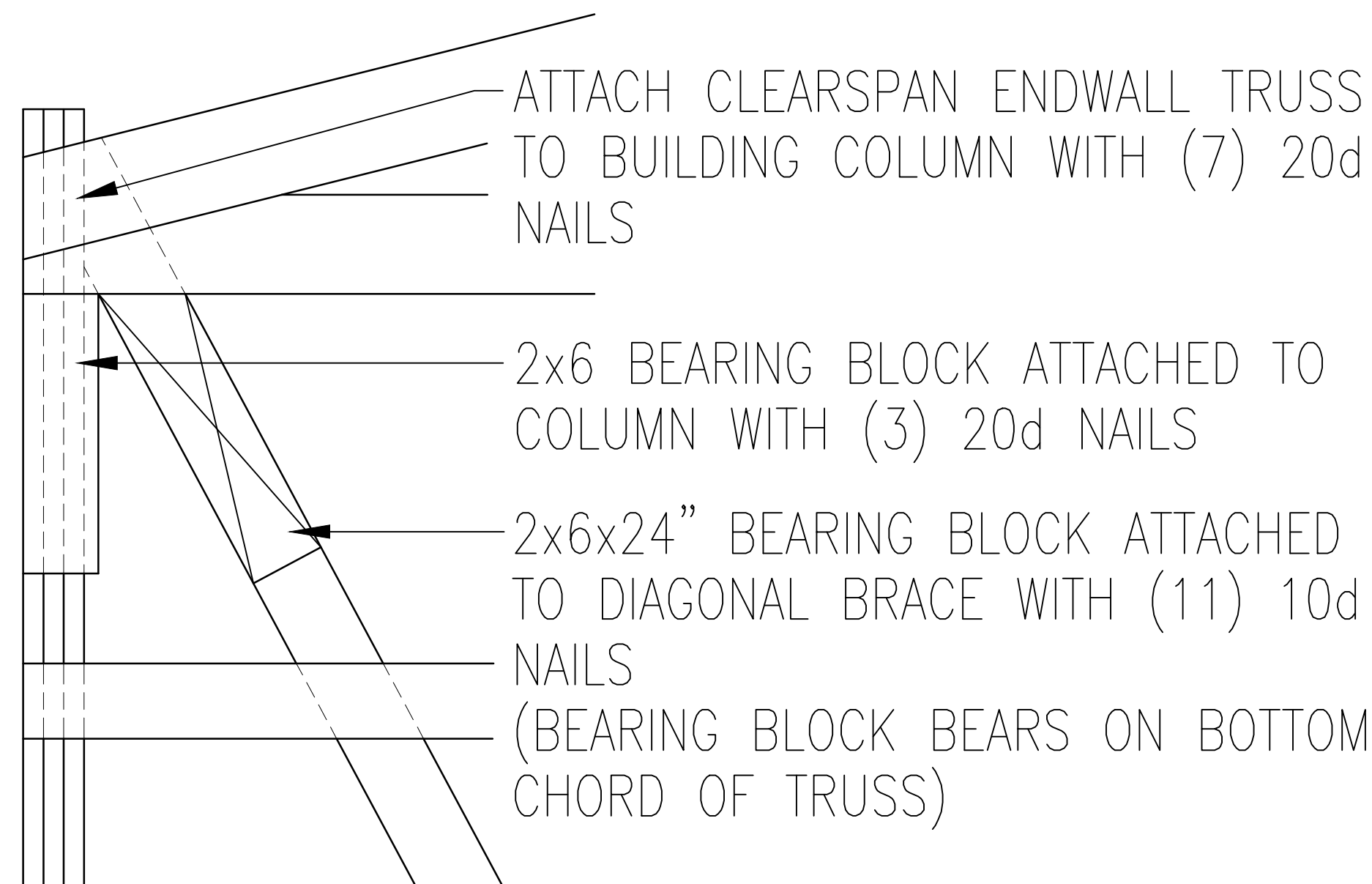
PROJECT NUMBER:
2023105050

SHEET NUMBER:
130

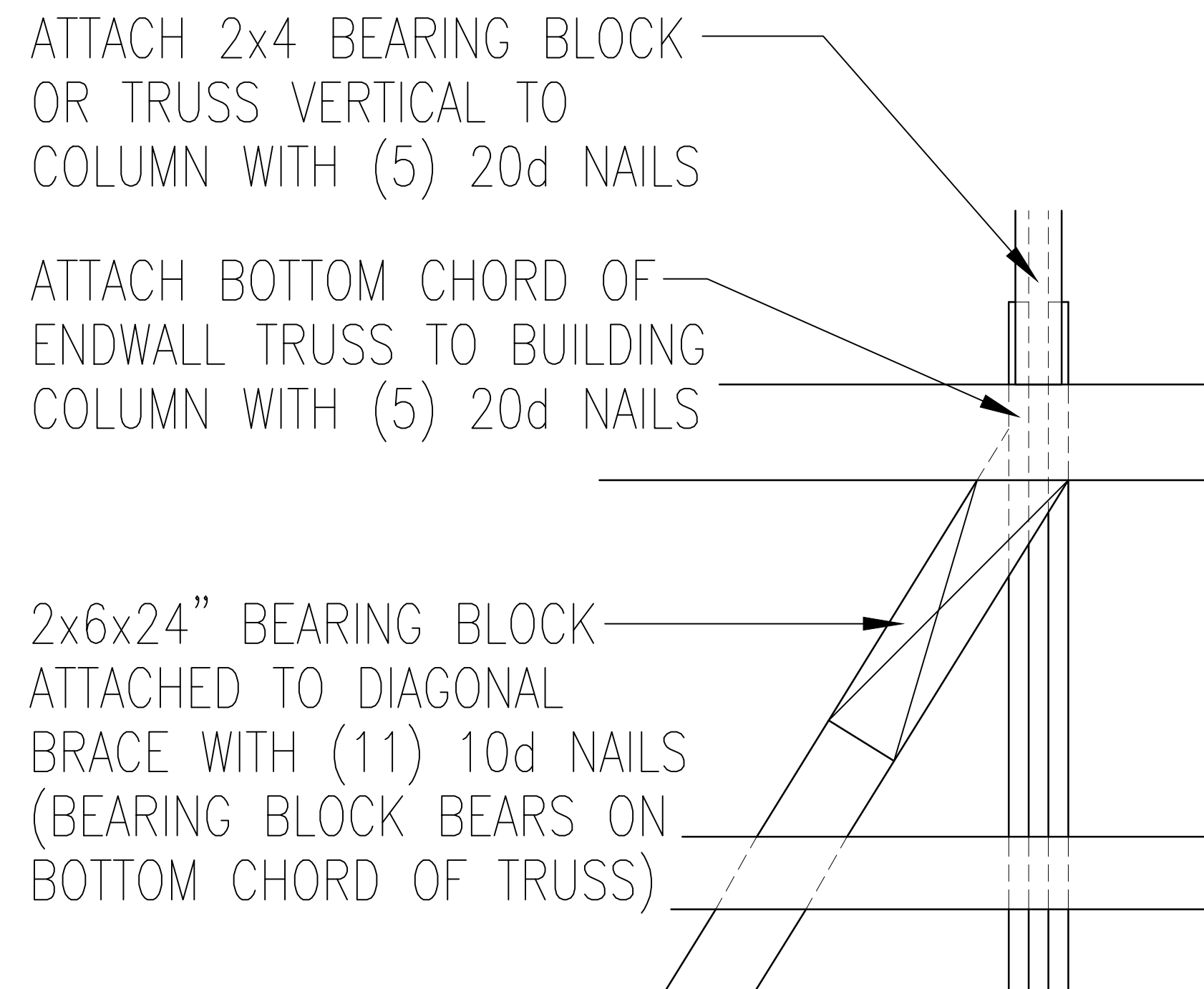
WHEN PRINTED ON 24"x36"
PAPER SCALE IS 3/4"=1'-0"



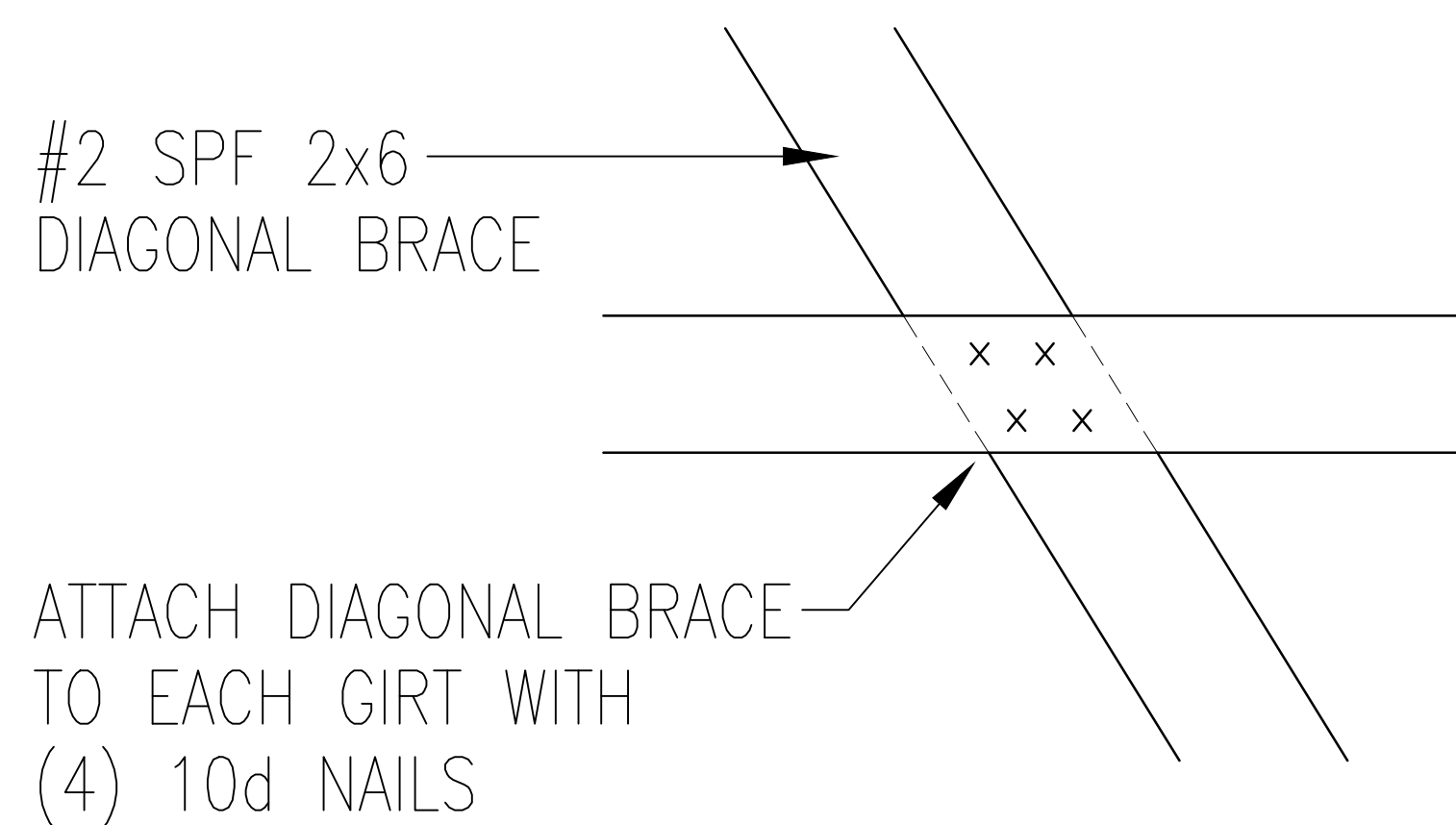
12/20/2023



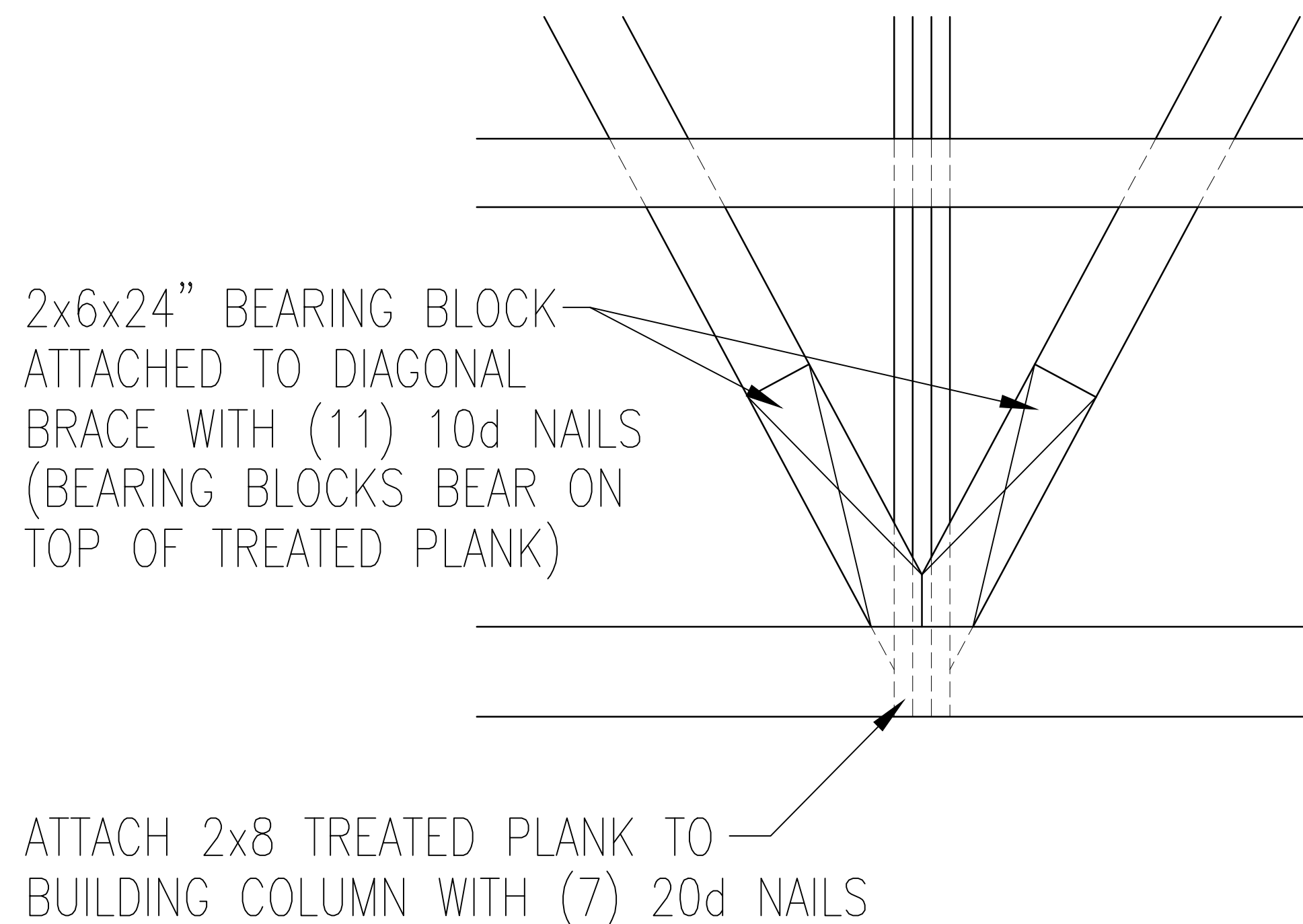
BRACE CONNECTION DETAIL
AT TOP OF BRACE AT CORNER COLUMN



BRACE CONNECTION DETAIL
AT TOP OF BRACE AT ENDWALL COLUMN



BRACE TO GIRT CONNECTION DETAIL



BRACE CONNECTION DETAIL
AT BOTTOM OF BRACE AT ENDWALL COLUMN

ENDWALL DIAGONAL BRACING DETAIL

AT WEST ENDWALL



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

DRAWN BY: CRAIG WERNING

DATE DRAWN: 12/04/23

PLAN REVISIONS:

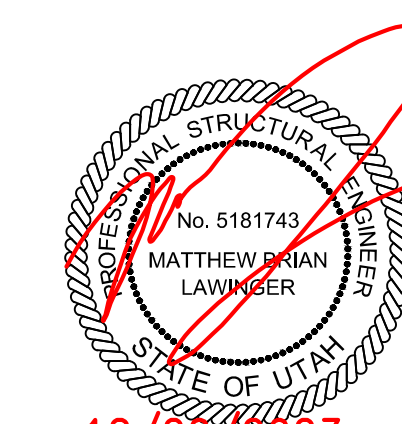
NUMBER	DATE	BY
1		
2		
3		
4		

PROJECT NAME:
RIDDLE , JERRY
PROJECT SITE ADDRESS:
1338 WEST 4800 SOUTH
TAYLORSVILLE, UT 84123 (SALT LAKE)
BUILDING SIZE:
40' 0" x 60' 0" x 13' 8"
SHEET NAME:
DIAGONAL BRACING DETAILS

PROJECT NUMBER:
2023105050

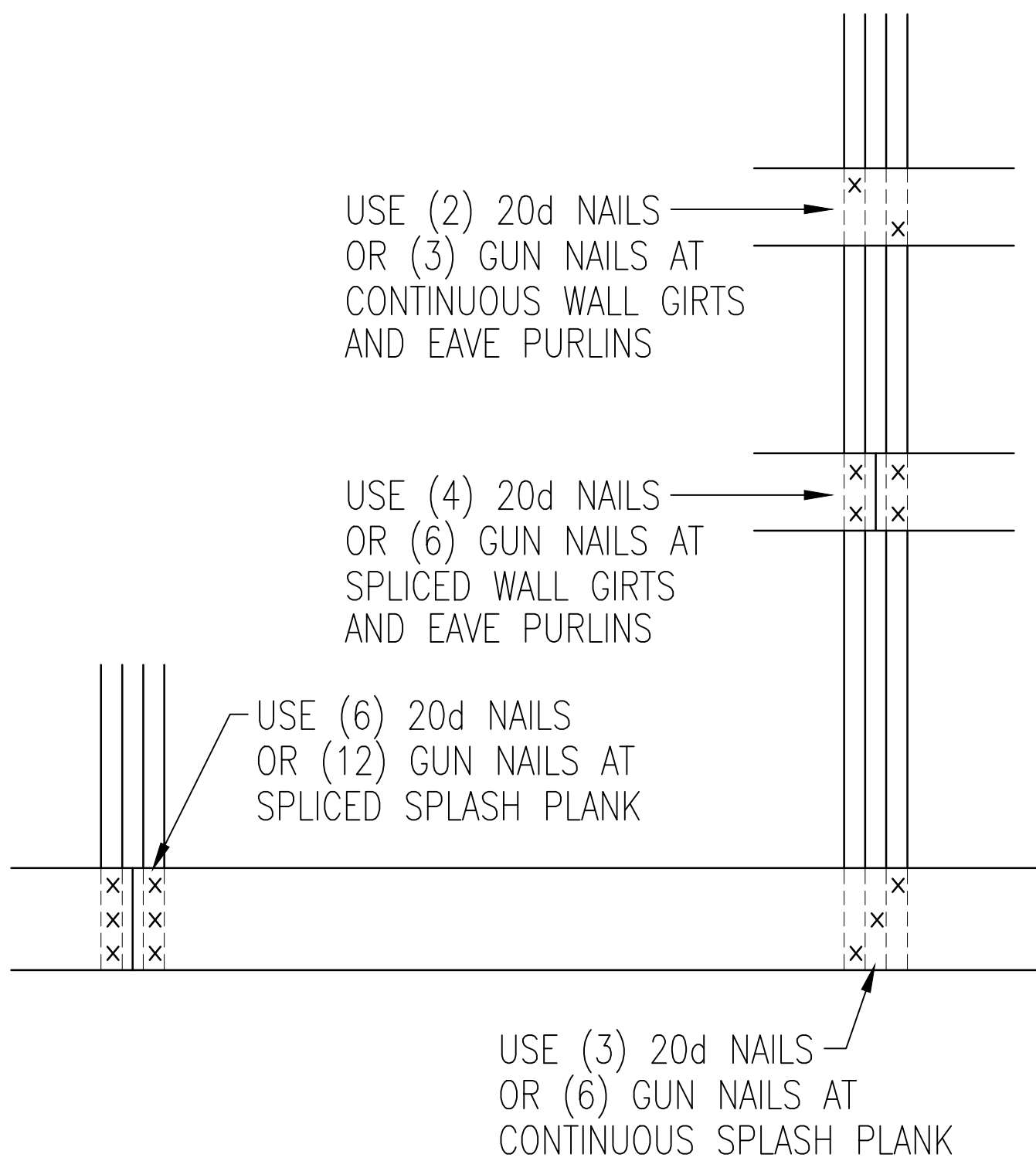
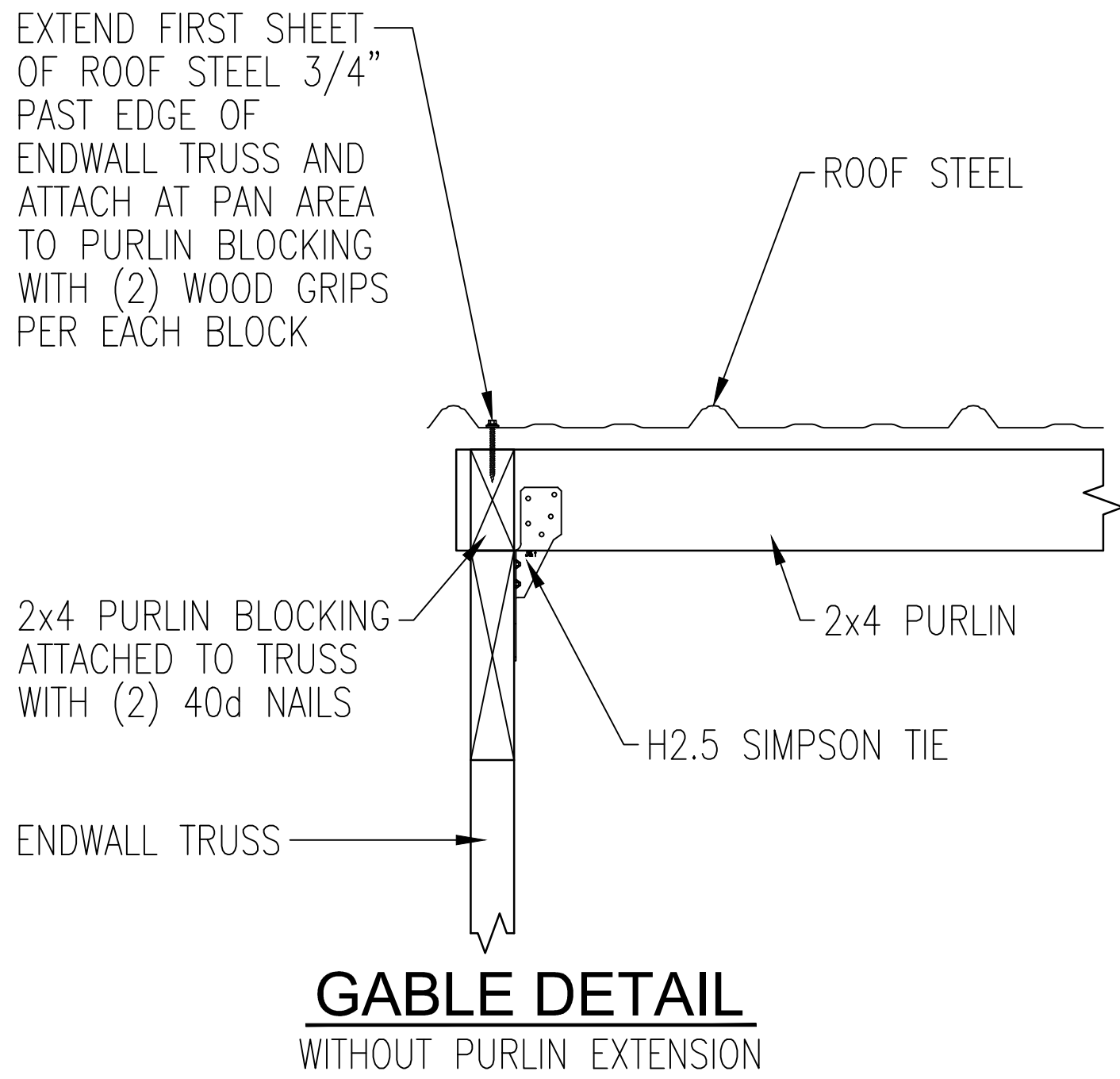
SHEET NUMBER:
140

WHEN PRINTED ON 24"x36"
PAPER SCALE IS N.T.S.



12/20/2023

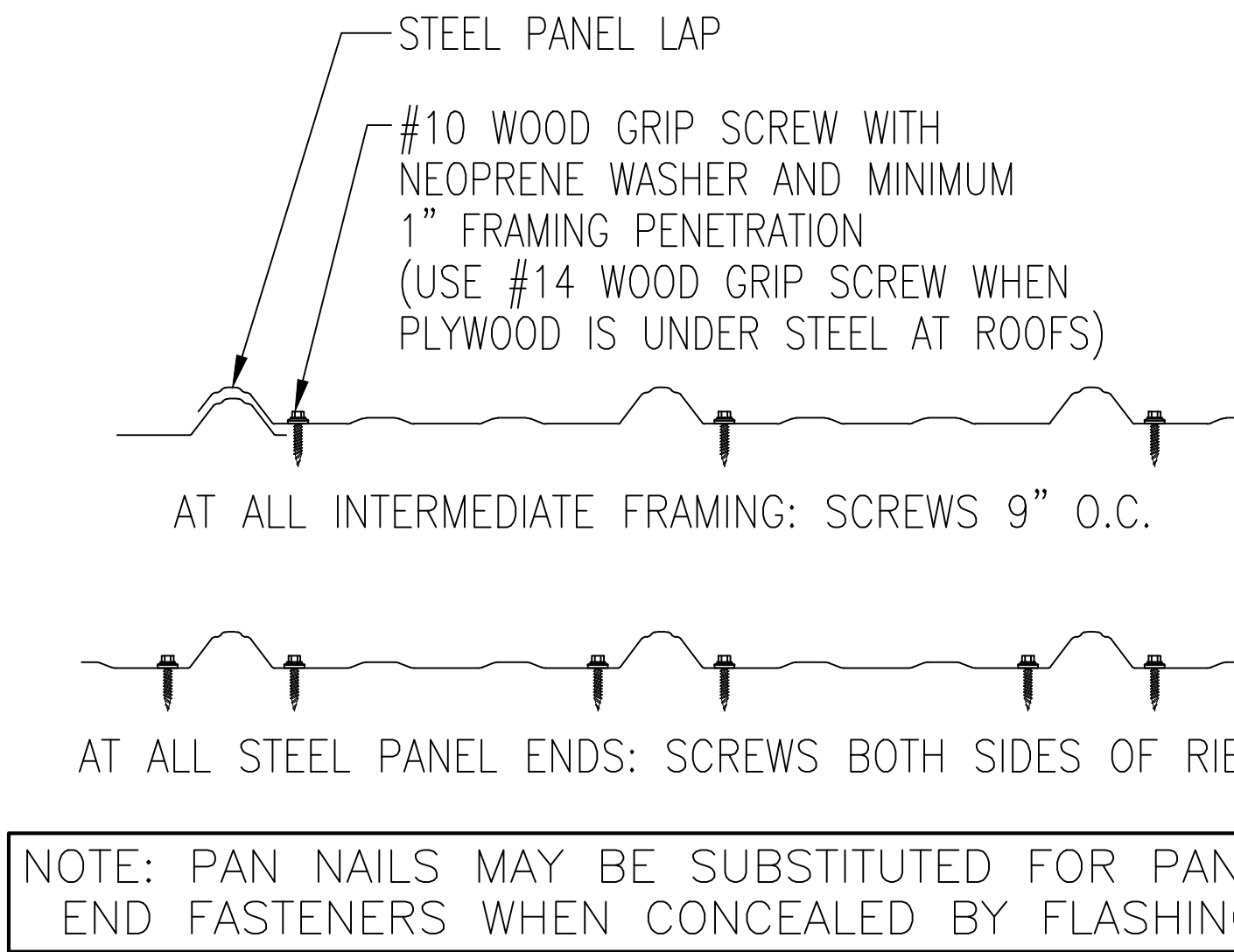
File Name and Path: \\CLEARYSHARES\\Eng\\Commert\\1CAD FILES\\2023\\2023105050\\2023105050-150-DIAPHRAGM.dwg
Printed By: Matthew B. Lawinger
Date Printed: 12/20/2023 4:37 PM



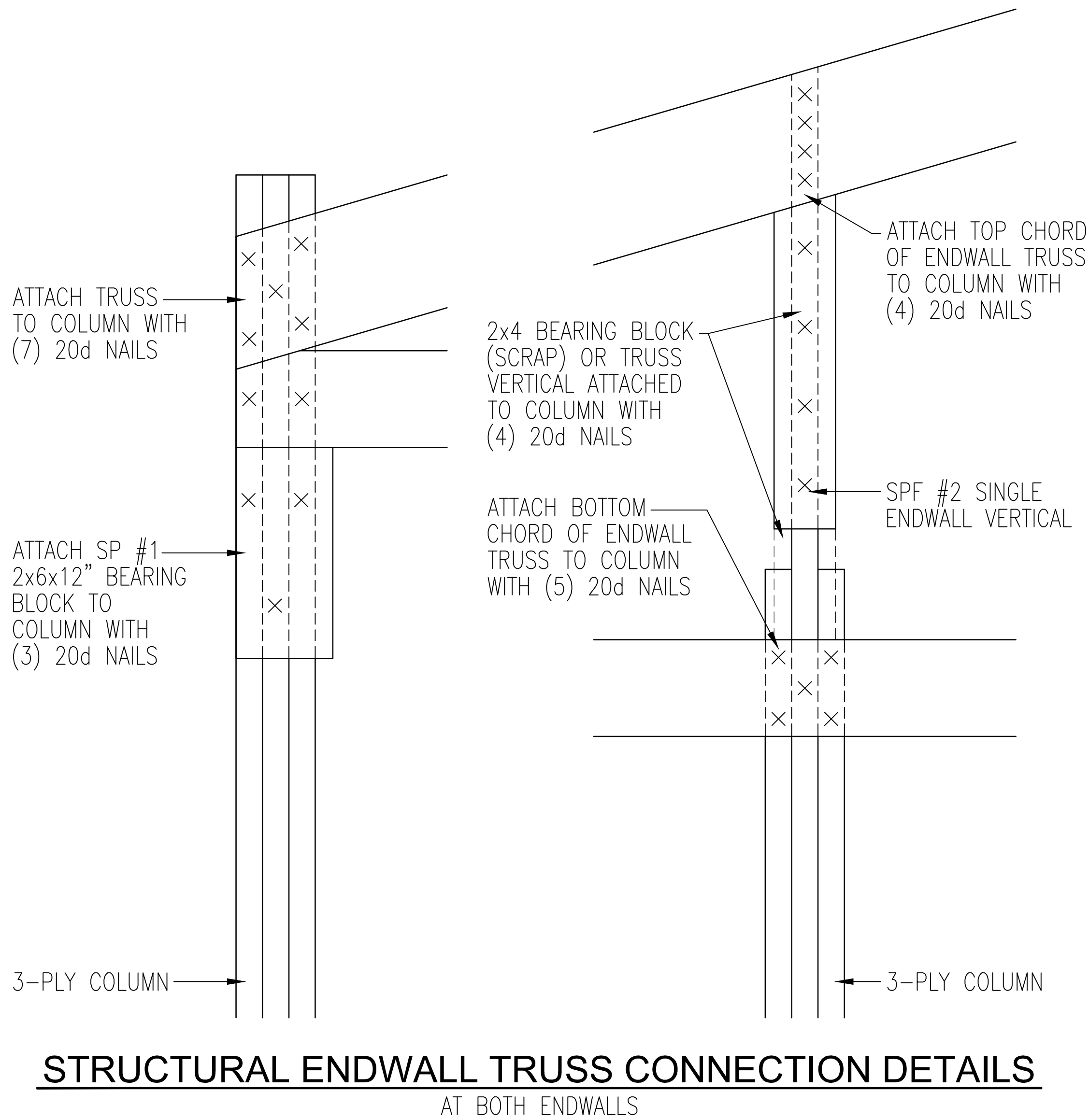
NOTE: 20d NAILS TO BE RING SHANK HOT DIPPED GALVANIZED
GUN NAIL ALTERNATE = 0.131x3 1/2 RS-TLN

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

STANDARD WALL FRAMING NAILING



ROOF AND SIDE STEEL ATTACHMENT DETAIL



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

DRAWN BY: CRAIG WERNING

DATE DRAWN: 12/04/23

PLAN REVISIONS:

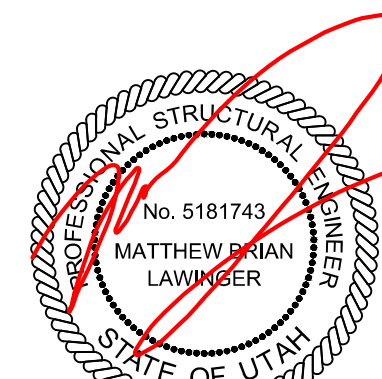
NUMBER	DATE	BY
1		
2		
3		
4		

PROJECT NAME: RIDDLE, JERRY
PROJECT SITE ADDRESS: 1338 WEST 4800 SOUTH
TAYLORSVILLE, UT 84123 (SALT LAKE)
BUILDING SIZE: 40' 0" x 60' 0" x 13' 8"
SHEET NAME: DIAPHRAGM ACTION AND MISC. DETAILS

PROJECT NUMBER:
2023105050

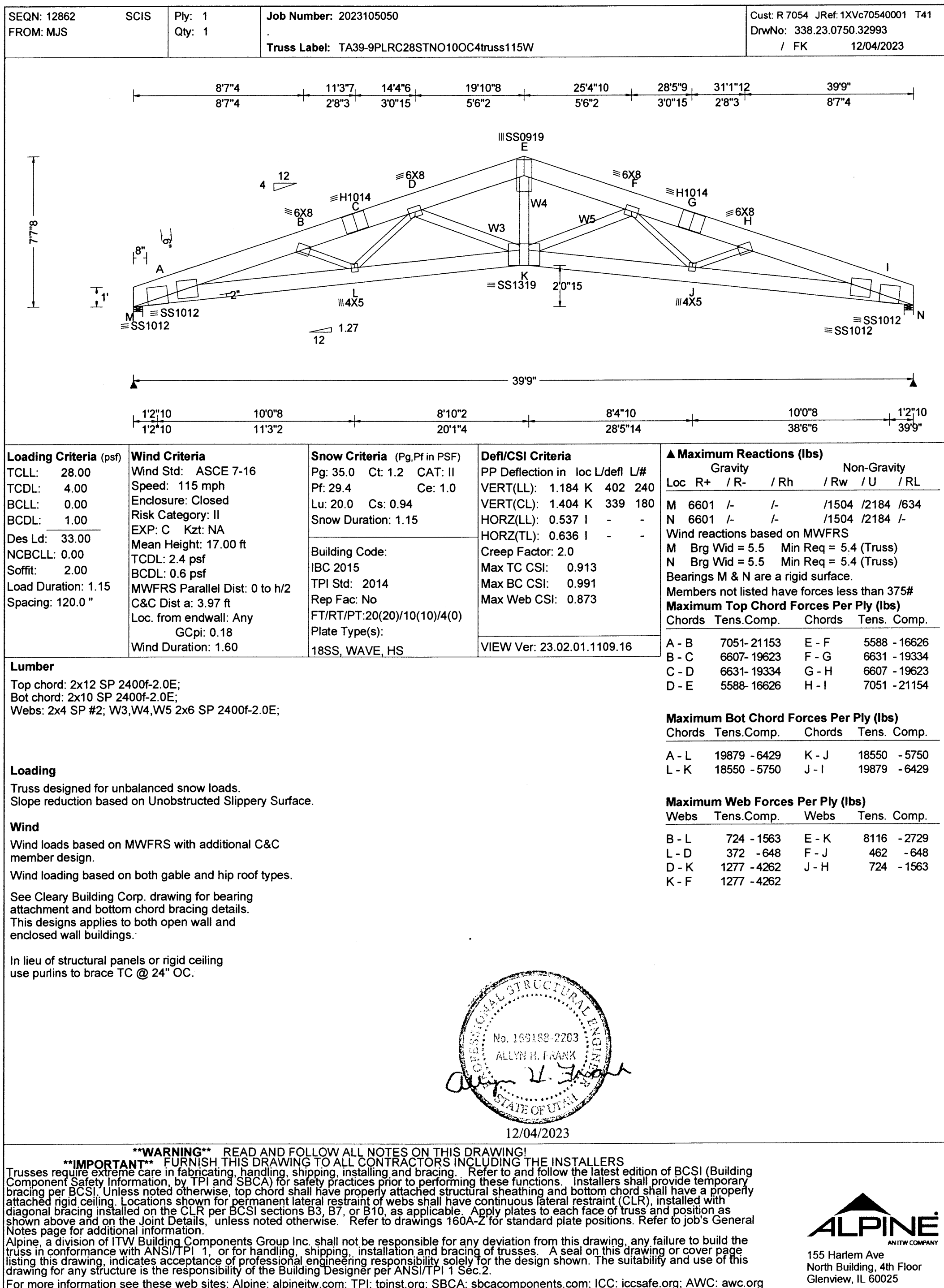
SHEET NUMBER:
150

WHEN PRINTED ON 24"x36"
PAPER SCALE IS N.T.S.

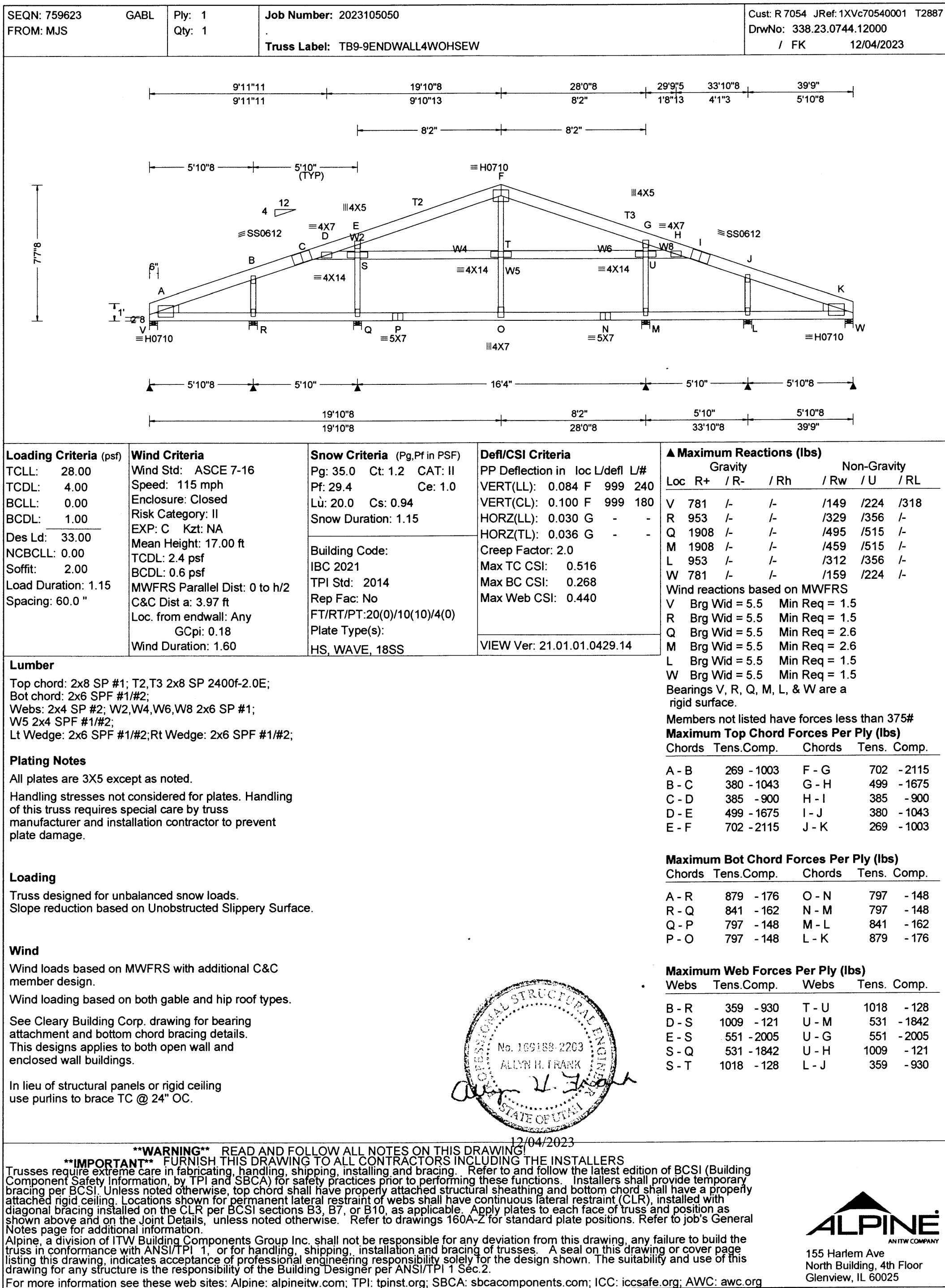


12/20/2023

TRUSSES 2 - 6



TRUSSES 1 & 7



TRUSS CHECK (CHECK BOX AND INITIAL)

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



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

DRAWN BY: CRAIG WERNISING

DATE DRAWN: 12/04/23

PLAN REVISIONS:

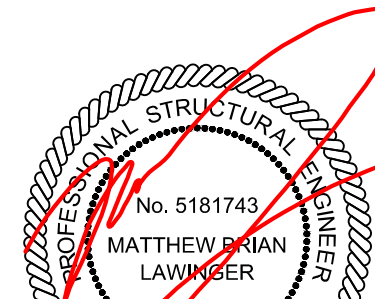
NUMBER	DATE	BY
1		
2		
3		
4		

PROJECT NAME:
RIDDLE, JERRY
PROJECT SITE ADDRESS:
1338 WEST 4800 SOUTH
TAYLORSVILLE, UT 84123 (SALT LAKE)
BUILDING SIZE:
40' 0" x 60' 0" x 13' 8"
SHEET NAME:
TRUSS DIAGRAMS

PROJECT NUMBER:
2023105050

SHEET NUMBER:
160

WHEN PRINTED ON 24"x36"
PAPER SCALE IS N.T.S.



12/20/2023