

GENERAL SPECIFICATIONS

SITE WORK

THE SITE SHALL BE GRADED TO PROVIDE DRAINAGE AWAY FROM THE BUILDING. MAINTAIN THE GRADE LEVELS AROUND THE BUILDING FLOOR PLAN.

CONCRETE WORK

THE CONCRETE WORK SHALL CONSIST OF ALL NECESSARY PRECAST OR POUR-IN-PLACE CONCRETE AS PER BUILDING PLANS AND SECTIONS. THE CONCRETE SHALL MEET A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS. ALL CONCRETE MIXES SHALL BE IN ACCORDANCE WITH ACI STANDARDS.

PRIMARY FRAMING COMPONENTS

TRUSSES: WOOD TRUSSES ARE SHOP/PLANT FABRICATED WITH CONNECTOR PLATES PER SPECIFICATIONS AND CONFORM WITH DESIGN CRITERIA ESTABLISHED BY THE TRUSS PLATE INSTITUTE (TPI) AND THE AMERICAN FOREST AND PAPER ASSOCIATION'S NATIONAL DESIGN SPECIFICATION FOR WOOD (NDS). DC_ DETAILS.

RAFTERS: RAFTER SIZES AND TYPE ARE SHOWN PER BUILDING DRAWINGS.

COLUMNS: WOOD COLUMNS FOR ROOF, WALL AND FLOOR SUPPORT SHALL BE MULTI-PLY NAIL-LAMINATED. EACH PLY OF UPPER AND LOWER PORTIONS (IF REQUIRED) SHALL BE FACTORY JOINED BY GLUED FINGER JOINTS BEFORE COLUMN PLIES ARE NAILED TOGETHER. IF PLACED IN GROUND, LOWER PORTION OF COLUMN FOR 12 INCHES MINIMUM ABOVE GROUND SHALL BE PRESERVATIVE TREATED TO .6PCF RETENTION OF CHROMATED COPPER ARSENATE (CCA) TYPE C (OXIDE BASIS). SEE FLOOR PLAN AND CROSS SECTIONS FOR CORRECT SIZES.

WOOD STUDS: ALL STUD FRAMING SHALL BE #2 GRADE MINIMUM. PRIMARY FRAMING IS FACTORY CUT TO LENGTHS REQUIRED.

STUDS MAY BE A SINGLE PLY/DOUBLE PLY 2X4, 2X6, OR 2X8 MATERIAL. LOCATE STUDS AT 16", 24" OR 48" O.C. AS SHOWN ON BUILDING DRAWINGS.

SECONDARY FRAMING

WOOD FRAMING: ALL WOOD FRAMING SHALL BE #2 GRADE MINIMUM. THE SPECIES WILL VARY PER AVAILABILITY AND PLANT LOCATION. THE SPECIES MAY BE #2 MC-19 DOUG FIR LARCH UNLESS SPECIFICALLY NOTED OTHERWISE ON BUILDING DRAWINGS.

HEADERS: HEADER SIZES AND TYPE ARE SHOWN PER BUILDING DRAWINGS.

OTHER

METAL CONNECTORS: ALL LIGHT GAUGE METAL CONNECTORS ARE GALVANIZED STEEL TO MEET OR EXCEED REQUIRED DESIGN STANDARDS.

WOOD: ALL NON PRESERVATIVE TREATED WOOD SHALL BE PLACED A MINIMUM OF 6 INCHES ABOVE FINISHED GRADE UNLESS SPECIFICALLY SHOWN LOWER ON CROSS SECTION(S).

FASTENERS: ALL FASTENERS SHALL BE PER BUILDING DRAWINGS AND DETAILS.

IMPORTANT DIAPHRAGM INFORMATION

THE BUILDING IS DESIGNED USING THE ROOF AS A DIAPHRAGM (DEEP THIN BEAM) TO TRANSFER SIDEWALL ENDWALL, AND ROOF LOADS TO THE SHEAR WALLS WHICH THEN CARRY THE LOADS TO THE FOUNDATION. STEEL PANELS ARE AN INTEGRAL PART OF THE BUILDING STRUCTURE AND ANY FUTURE FIELD MODIFICATIONS OF LESTER STEEL PANELS MAY BE DETRIMENTAL TO THE BUILDING'S STRUCTURAL PERFORMANCE. BUILDING DESIGN IS BASED ON THE NUMBER, SIZE AND LOCATION OF OPENINGS ON THE DRAWINGS.

LESTERS (LESTER, LESTERS, OR LESTER'S, IS LESTER BUILDING SYSTEMS L.L.C.) ASSUMES NO RESPONSIBILITY FOR THE STRUCTURAL INTEGRITY OF THE BUILDING IF ADDITIONAL OPENINGS, NOT SHOWN ON THE DRAWINGS OR CHANGES IN LOCATION OR SIZE OF OPENINGS ARE UNDERTAKEN WITHOUT WRITTEN PERMISSION FROM A LESTER ENGINEERING REPRESENTATIVE.

NOTES

SEE BUILDING DRAWINGS FOR OTHER SPECIFIC MATERIALS REQUIRED FOR SPECIFIC JOB THAT MAY NOT BE INDICATED WITHIN THIS SECTION.

NOTICE TO BUILDERS

MEMBERS WITH IDENTICAL LENGTHS MAY HAVE DIFFERENT END USES AND MAY BE OF DIFFERENT SPECIES.

TO HELP INSURE THE CORRECT LENGTH AND SPECIES OF LUMBER IS USED IN ITS INTENDED APPLICATION, A COLOR CODE SYSTEM HAS BEEN ESTABLISHED.

THIS APPLIES TO FACTORY CUT PURLINS, GIRTS, BOTTOM CHORD BRACES AND EAVE NAILERS ONLY!

RED ——— WALL GIRTS WILL HAVE ENDS PAINTED RED

BLACK ——— PURLINS WILL HAVE ENDS PAINTED BLACK

PINK ——— BOTTOM CHORD BRACES WILL HAVE ENDS PAINTED PINK

BLUE ——— EAVE NAILERS WILL HAVE ENDS PAINTED BLUE

ORANGE — HIGHER GRADE LUMBER IS SUBSTITUTED, ENDS PAINTED ORANGE

REVISIONS

SYM.	PAGE	DATE	DESCRIPTION	BY

LESTER BUILDINGS, LLC

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IMPORTANT SAFETY INFORMATION

ACCOMPANYING THIS BUILDING AND THESE ERECTION DRAWINGS IS THE LESTER ERECTION SAFETY INFORMATION PACKET. DIRECTIONS ON THE PACKET ENVELOPE OUTLINE SPECIFIC STEPS THAT MUST BE TAKEN BEFORE BUILDING ERECTION BEGINS.

THE ERECTION SAFETY INSTRUCTIONS (INCLUDED IN THE PACKET) PROVIDE DETAILED INFORMATION AND INSTRUCTIONS TO ASSIST IN SAFE BUILDING ERECTION.

COPIES OF THE FOLLOWING WARNING LABELS ARE ALSO INCLUDED IN THE ERECTION SAFETY INFORMATION PACKET AND ON ROOF PANELS AND WOOD BUNDLES.

WARNING

PURLINS, GIRTS AND BRACING

WOOD MEMBERS MAY BREAK UNDER YOUR WEIGHT CAUSING YOU TO FALL AND BE KILLED OR SERIOUSLY INJURED.

IF YOU MUST WALK ON WOOD MEMBERS, STAY WITHIN 1 FOOT OF TRUSS OR COLUMN. ALWAYS USE FALL PROTECTION. GET AND READ "ERECTION SAFETY INSTRUCTIONS" FROM SUPERVISOR.

WARNING

YOU MAY FALL FROM ROOF AND BE KILLED OR SERIOUSLY INJURED.

PANELS ARE SLIPPERY. USE FALL PROTECTION.

ANY PANEL CAN COLLAPSE. DO NOT STEP ON LOOSE PANELS. DO NOT STEP ON OR "NEAR" EDGE OF PANEL. DO NOT STEP WITHIN 3 FEET OF PANEL END.

LOOSE PANELS MAY SLIDE OUT FROM UNDER YOU. DO NOT STEP ON LOOSE PANELS OR STACKS OF PANELS.

Wood Member Warning

Roof Panel Warning

NOTE:

THESE WARNINGS AND SAFETY INSTRUCTIONS ARE NOT INTENDED TO BE COMPLETE AND COMPREHENSIVE SAFETY INSTRUCTIONS AND MAY VARY FROM APPLICABLE LAWS AND REGULATIONS. ALL LOCAL, STATE, AND OSHA SAFETY REGULATIONS MUST BE FOLLOWED AT ALL TIMES. THE ERECTION CONTRACTOR HAS ULTIMATE RESPONSIBILITY FOR WORKER SAFETY AND MUST COMPLY WITH ALL APPLICABLE SAFETY REGULATIONS.

COMBINED LUMBER GRADES

LESTER GROUPS NDS LUMBER TYPES WITH SIMILAR DESIGN VALUES INTO COMBINED LUMBER GRADES. BLD DESIGN IS BASED ON THE LOWEST DESIGN VALUE FOR ANY LUMBER IN THE GROUP. THE FOLLOWING CHART SHOWS THE SPECIFIC NDS SIZE/SPECIES/GRADE LUMBER TYPES THAT CAN BE USED FOR EACH COMBINED LUMBER GRADE.

Combo 2x4 #2 Lester 2x4 #2 DFL or SYP 2x4 1250 1.4E MSR DFL or SYP 2x4 M9 & M29 DFL or SYP	Combo 2x6 #2 Lester 2x6 #2 DFL or SYP 2x6 1250 1.4E MSR DFL or SYP 2x6 M9 & M29 DFL or SYP	Combo 2x8 #2 Lester 2x8 #2 DFL or SYP 2x8 975 1.4E MSR DFL or SYP 2x6 M9 & M34 DFL or SYP
Combo 2x4 #1 Lester 2x4 #1 DFL or SYP 2x4 1500 1.6E MSR DFL or SYP 2x4 M14 & M39 DFL or SYP	Combo 2x6 #1 Lester 2x6 #1 DFL or SYP 2x6 1500 1.6E MSR DFL or SYP 2x6 M14 & M39 DFL or SYP	Combo 2x8 #1 Lester 2x8 #1 DFL or SYP 2x8 1200 1.6E MSR DFL or SYP 2x8 M14 & M29 DFL or SYP 2x8 M39 DFL or SYP
Combo 2x4 Premium Lester 2x4 SS DFL or SYP 2x4 1800 1.6E MSR DFL or SYP 2x4 M17 - M20 DFL or SYP 2x4 M40 DFL or SYP	Combo 2x6 Premium Lester 2x6 SS DFL or SYP 2x6 1800 1.6E MSR DFL or SYP 2x6 M17 - M20 DFL or SYP 2x6 M40 DFL or SYP	Combo 2x8 Premium Lester 2x8 SS DFL or SYP 2x8 1800 1.6E MSR DFL or SYP 2x8 M17 - M20 DFL or SYP 2x8 M40 DFL or SYP
Combo 2x4 M23/2400MSR 2x4 DSS SYP 2x4 2400 1.8E MSR DFL or SYP 2x4 M23 DFL or SYP	Combo 2x10 #1 Lester 2x10 #1 DFL or SYP 2x10 1050 1.6E MSR DF or SYP 2x10 M12 & M29 DFL or SYP 2x10 M35 DFL or SYP	Combo 2x10 Premium Lester 2x10 SS DFL or SYP 2x10 1650 1.6E MSR DF or SP 2x10 M17 - M20 DFL or SYP 2x10 M14, M39, M40 DF or SP

COLUMN IDENTIFICATION KEY

FS = FLUSH SIDEWALL F = FACE PLY
FE = FLUSH ENDWALL J = HEADER BEARING PLY
FG = FLUSH GLUED P = PLUS PLY
HI = INTERIOR POCKET

FLUSH ENDWALL

SIZE: 2X6, 2X6, 2X6

COLUMN LENGTH

COLUMN: FE666 - 24'

O.S. FACE OF COL

DIMENSION POINT ON FLOOR PLAN

NO TRUSS

TRUSS

EXAMPLES OF COLUMN DETAILS

2 PLY TRUSS

F6FS444 FS666J6 FS666J6 P6FS666 FS6666 FS88J88

DETAIL IDENTIFICATION

DRAWING LETTER

ID

TITLE

PAGE NUMBER

SCALE: DWG SCALE

EACH DETAIL HAS A FIVE DIGIT ALPHA-NUMERIC NAME. THERE ARE TWO LETTERS AND A THREE DIGIT NUMBER.

F A 246

GROUP DIVISION DETAIL NUMBER

THE FIRST LETTER DESIGNATES A BROAD SUBJECT GROUP.

THE SECOND LETTER SHOWS A SUBDIVISION WITHIN THE GROUP.

THE THREE DIGIT NUMBER INDICATES A SPECIFIC DETAIL WITHIN THE DIVISION.

GROUP

A B C D E F G H I J K L M N O

SUBJECT

= ELEVATIONS & FLOOR PLANS
= WALL SECTIONS
= PANEL LAYOUTS IF REQUIRED
= ENGINEERING INFORMATION
= FOUNDATIONS
= WALL STRUCTURAL FRAMING
= STRUCTURAL HEADERS
= WALL OPENING FRAMING
= TRUSS (ROOF SUPPORT)
= BRACING
= EAVE TREATMENT (SIDES & ENDS)
= ROOF FINISH
= WALK DOORS AND WINDOWS
= SLIDING AND OVERHEAD DOORS
= EXTERIOR WALL FINISH
= INTERIOR FINISH
= ACCESSORIES

ALL DETAILS ARE ARRANGED IN ALPHABETICAL AND NUMERIC ORDER WITHIN THE STRUCTURAL & NON STRUCTURAL DETAIL SETS.

NO PAGE NUMBER IS GIVEN!!!

SYMBOL DESIGNATION

THE FOLLOWING SYMBOL DESIGNATIONS INDICATES THE DETAIL TO REFER TO FOR ADDITIONAL INFORMATION.

= STRUCTURAL

= NON-STRUCTURAL

CUSTOM DETAIL

GA-A

STANDARD DETAIL

GA310

Matthew Pjesky, PE

GENERAL

OWNER: Door Engineering and Mfg, LLC

BLD ADDRESS: Mankato, MN

BUILDING USE: Storage

CONSTRUCTION: V-B

AREA: 2104 SF

DESIGN LOADS

GROUND SNOW LOAD 50 PSF

ROOF SNOW LOAD 39.4 PSF

ROOF DEAD LOAD 4 PSF

IMP. FACTOR SNOW 1

CEILING DEAD LOAD 5 PSF

FLOOR LIVE LOAD N/A PSF

ALLOWABLE WIND SPEED 90.9 MPH

ULTIMATE WIND SPEED 115; RISK CAT II MPH

WARRANTY WIND SPEED 90.9 MPH

EXPOSURE B

SOIL BEARING 2000 PSF

CODE IBC-2018

PAGE

INDEX REFERENCE

1 BUILDING SPECIFICATIONS

2 ELEVATIONS

3 FLOOR PLAN

4 BUILDING SECTIONS

5 DETAILS TO END

6 .

7 .

8 .

9 .

10 .

11 .

12 .

13 .

14 .

15 .

MATERIAL SHORTAGES AND DAMAGE

CONTACT INFORMATION:

DIRECT DIAL: (320) 395-5263

LESTER SWITCHBOARD/RECEPTIONIST: (800) 826-4439 EXT. 5263

EMAIL: orders@lesterbuildings.com

Digitally signed by Matthew Pjesky, PE
DN: O="Lester Building Systems, LLC"
CN=Matthew Pjesky, PE, E=mpjesky@lesterbuildings.com
Reason: I am approving this document
Location:
Date: 2025.09.29 16:29:48 -0500
Foxit PDF Reader Version: 12.0.1

Signature: Matthew Pjesky

Name: Matthew Pjesky

Date: 09-29-25 License Number: 61670

THIS CERTIFICATION IS LIMITED TO THE STRUCTURAL DESIGN OF THE FRAMING AND COVERING PARTS MANUFACTURED BY LESTER BUILDING SYSTEMS. ALL OTHER ITEMS SUCH AS EQUIPMENT, VENTILATION, PLUMBING, ELECTRICAL, ERECTION, DOORS, FIRE REQUIREMENTS, INSPECTION, CONCRETE FLOORS, ETC. IS THE RESPONSIBILITY OF OTHERS.

DA003 ENG STAMP BOX - STRUCTURAL DESIGN FULL 384 R2

LESTER BUILDING SYSTEMS, LLC.

TOLL-FREE: 800-826-4439

See Titleblock DRWN BY for Extension

DATE: 9/29/2025

DRWN BY:Amanda x5235

JOB-NUMBER 633954

SHEET 01 OF 15

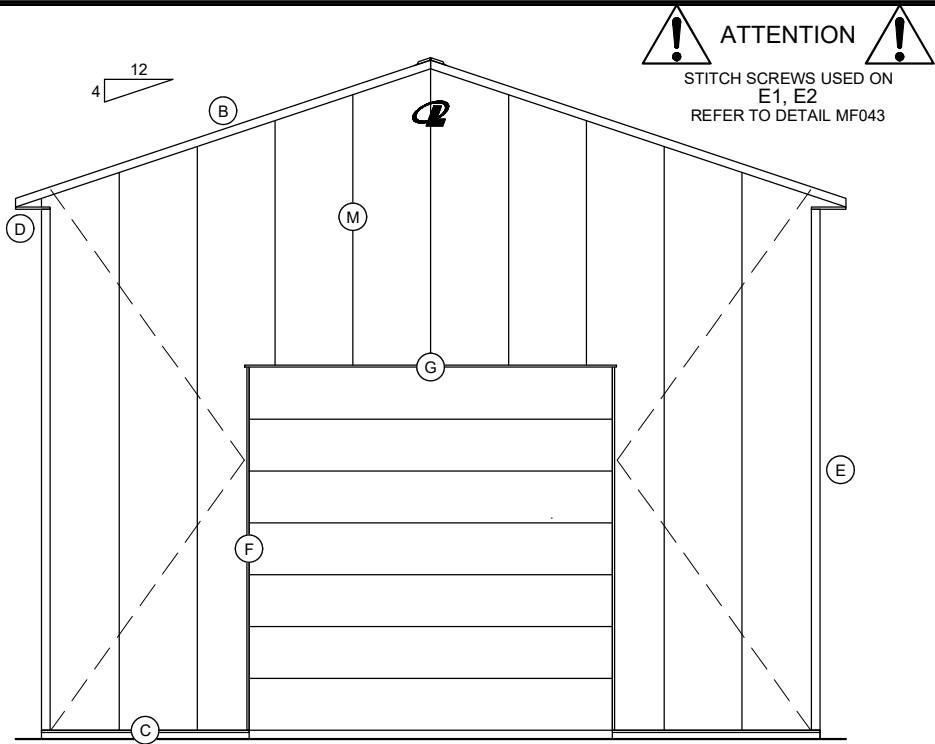
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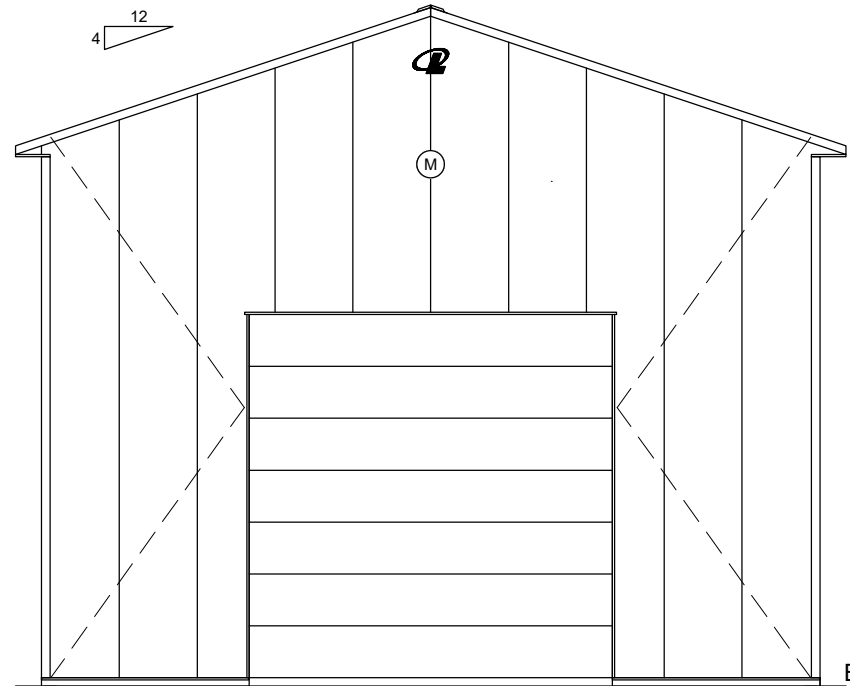
JOB DESCRIPTION: 30'x70'x20'

CUSTOMER: R: Henry Construction, Inc. 101 Power Dr Mankato, MN 56001

DEALER: Jennifer Wight 25434 Cedar Lane New Prague, MN 56071



A2 ENDWALL 1 ELEVATION
1/8" = 1'-0"



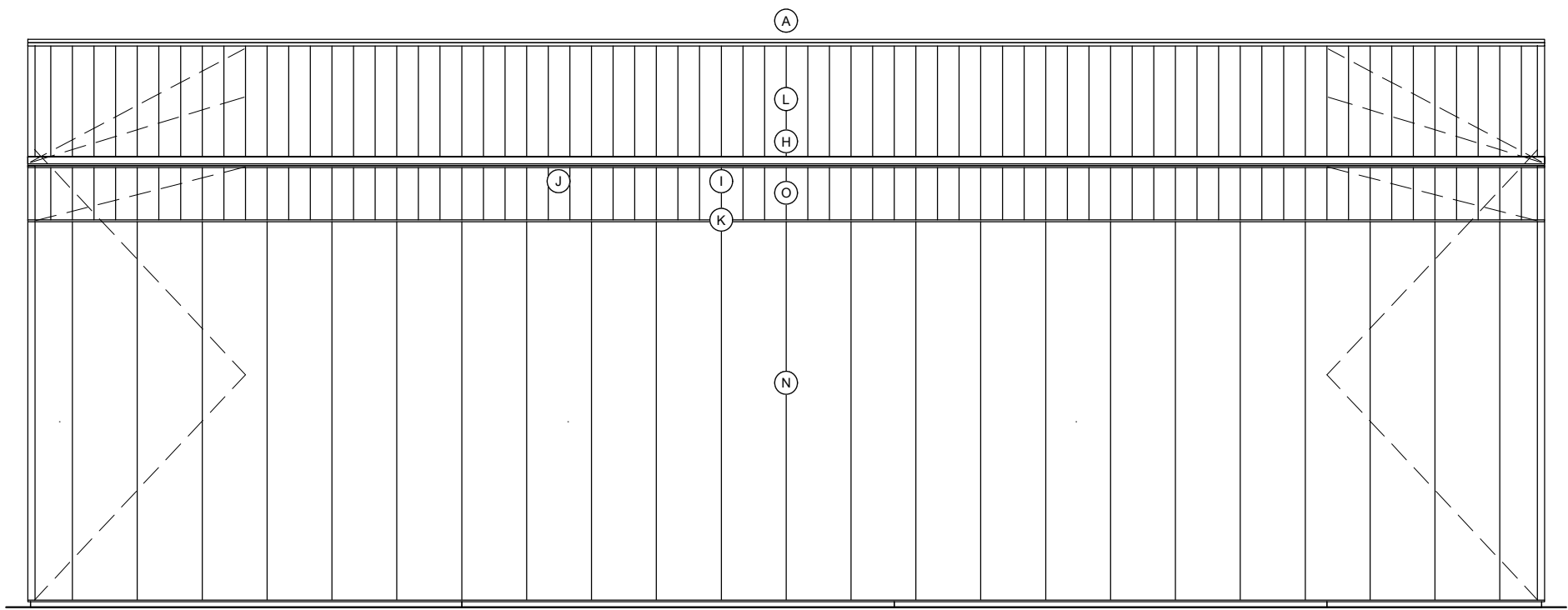
C2 ENDWALL 2 ELEVATION
1/8" = 1'-0"

OPENING SCHEDULE ☐

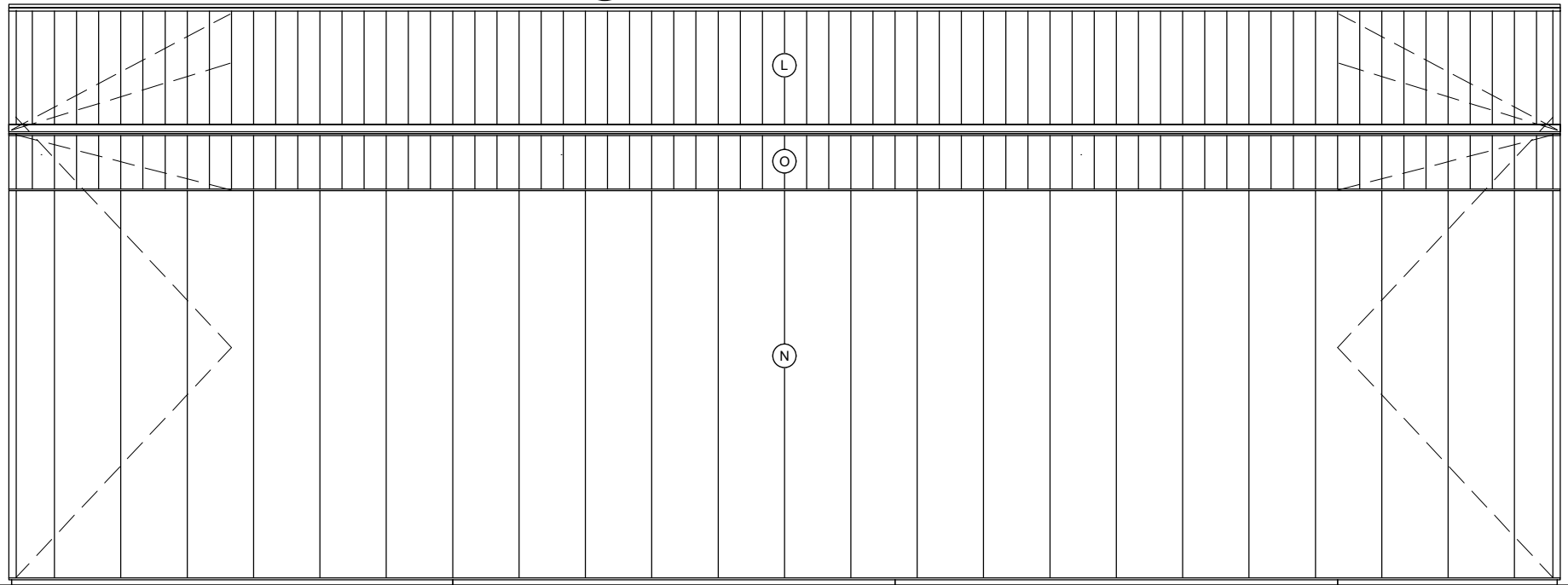
ID	MODEL	NOMINAL
A1	OVERHEADDOOR - FBO	168x168

ROOF METAL	CLAY
SIDEWALL	CLAY
ENDWALL	CLAY
GABLES	-
BASE	CLAY
CORNER	CLAY
EAVE/FASCIA	CLAY
GABLE/RAKE	CLAY
SOFFIT	CLAY
WAINSCOT	-
ACCENT PANEL	-
GABLE LOUVER	-
INSUL WL BATTEN	-
RIDGE CAP	CLAY
RIDGE VENT	-
CUPOLA ROOF	-
CUPOLA BODY	-
CUPOLA BASE	-
GUTTER	-
DOWNSPOUT	-
LEAN-TO ROOF	-
LEAN-TO CRWN/VBLK	-
LEAN-TO SOFT/CLG	-
CLEAR OPNG COL CVR	-
CLEAR OPNG TR	-
CURTAIN OPNG TR	-
BOX STALL GRILLS	-

SLDG DR PANEL	-
SLDG DR JAMB TR	-
SLDG DR TRACK	-
SLDG DR VERTS	-
SLDG DR BTM GIRT	-
OVHD DR PANEL	-
OVHD DR TRIM	CLAY
WALK DR	-
WALK DR TRIM	-
WINDOW	-
WINDOW TRIM	-
SHUTTERS	-
SIG DR FIELD	-
SIG DR TRIM	-
SIG DR JAMB TR	-
SIG DR WINDOW	-
SIG DR TRACK	-
LARGE DOOR	-
LARGE DOOR TRIM	-
DUTCH DR FRAME	-
DUTCH DR INSERT	-
DUTCH DR TRIM	-
SHINGLES	-
MANSARD ROOF	-
MANSARD EAVE	-
MANSARD SOFFIT	-
MODERRA	-



B2 SIDEWALL 1 ELEVATION
1/8" = 1'-0"



D2 SIDEWALL 2 ELEVATION
1/8" = 1'-0"

FINISH SCHEDULE ☐

ID	LOCATION	DESCRIPTION	DETAILS
	FINISH	ELEVATIONS ARE NOT FOR PANEL LAYOUT	
	FINISH	SEE PANELGEN REPORTING FOR ACTUAL LAYOUT	
A	RIDGE TRIM	#162 VENTED RIDGECAP	OA050, JF707
B	RAKE TRIM	#820 RAKE AND CORNER	JF330, MF530
C	BASE TRIM	#190 BOTTOM CLOSURE	MF113, MF142
D	SOFFIT END TRIM	#190 BOTTOM CLOSURE	MF562
E	CORNER TRIM	#820 RAKE AND CORNER	MF511
F	OVHD DR TRIM	#890 SIDE JAMB C TRIM	LK424
G	OVHD DR TRIM	#260 J TRIM	LK424
H	EAVE TRIM	#170 STANDARD EAVE	JF154
I	EAVE TRIM	#672 FASCIA WITH STIFFENER	JF153, MF548
J	SOFFIT	#107 FJJ SOFFIT 1'/.375"THR	MF724, IF642
K	WALL SPLICE	#230 Z-TRIM	MF359
L	R1, R2	FINISH: UNI-RIB 28GA - AZ50 SMP	JF044
M	E1, E2	FINISH: UNI-RIB 28GA - AZ50 SMP (STITCHED)	MF043
N	S1, S2	FINISH: UNI-RIB 28GA - AZ50 SMP	MF044
O	S1, S2	EAVELITE: UNI-RIB EAVE LITE PANEL	MF045

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

Signature: Matthew Pjesky

Name: Matthew Pjesky

Date: 09-29-25 License Number: 61670

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DA003

ENG STAMP BOX - STRUCTURAL DESIGN FULL

384 R2

AE633954

TITLE1
TITLE2

4 PRE

DATE: 9/29/2025

DRWN BY: Amanda x5235

JOB DESCRIPTION: 30'x70'x20'

DEALER: Jennifer Wight
25434 Cedar Lane
New Prague, MN 56071

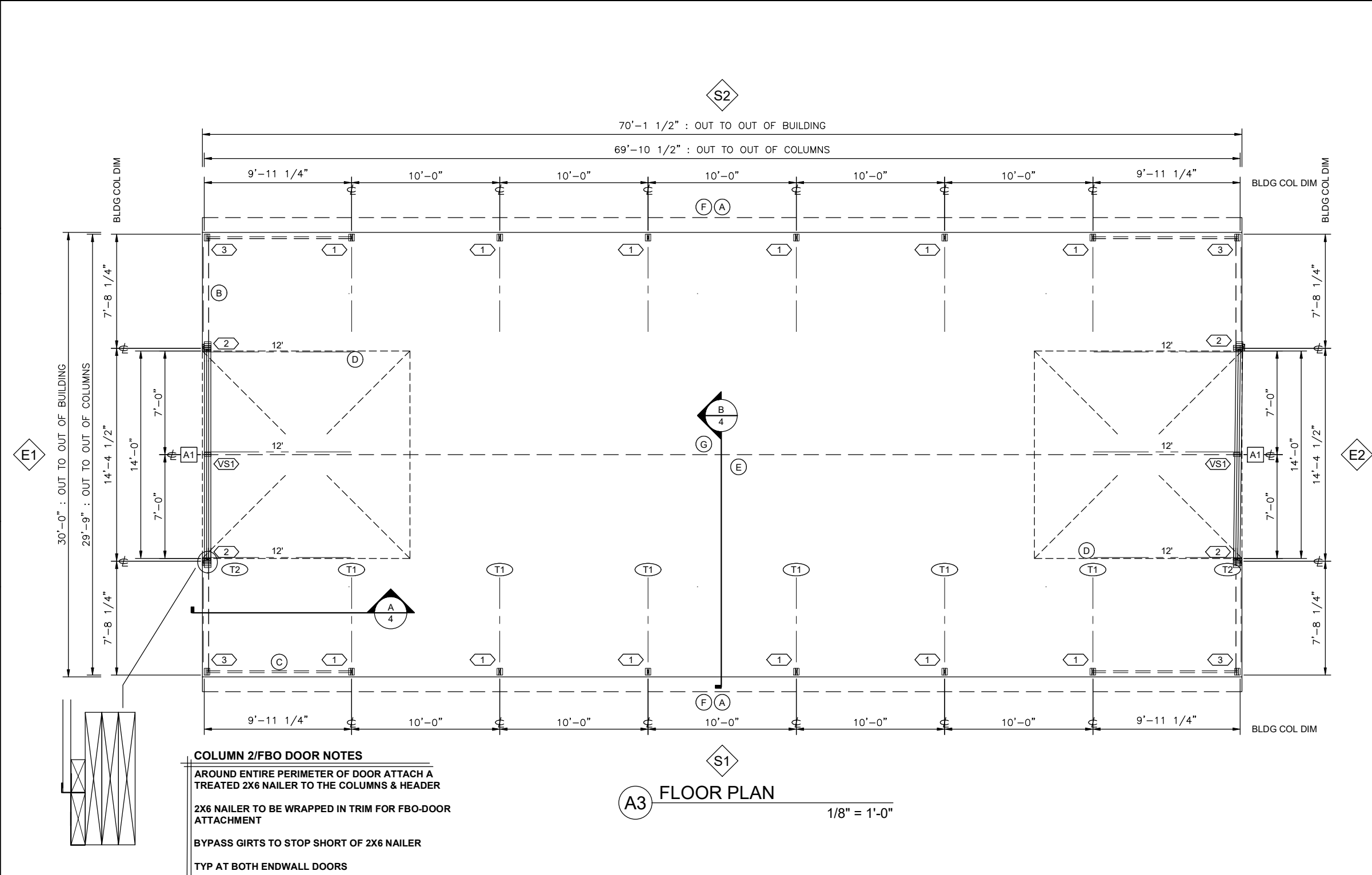
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SHEET 02 OF 15

JOB-NUMBER 633954

CHKD BY:

REV NO: 0



COLUMN 2/FBO DOOR NOTES

AROUND ENTIRE PERIMETER OF DOOR ATTACH A TREATED 2X6 NAILER TO THE COLUMNS & HEADER

2X6 NAILER TO BE WRAPPED IN TRIM FOR FBO-DOOR ATTACHMENT

BYPASS GIRTS TO STOP SHORT OF 2X6 NAILER

TYP AT BOTH ENDWALL DOORS

ID	DESCRIPTION	DETAILS
	76'-3 1/4" DIAGONAL OUT-OUT OF FRAMING	
	TRUSS SPACING FROM ENDWALL 1:	
	1@120.75; 5@120; 1@120.75	
A	12" OVERHANG S1, S2	IF222
B	2x4 WALL DIAG BRACE	HA526
C	2x4 EAVE SHEAR BRACE	HA550
D	2x6 DIAGONAL GABLE BRACE	HB100
E	#152 VENTED RIDGECAP	OA050
F	EAVE DIAPHRAGM HARDWARE	IF202
G	RIDGE DIAPHRAGM HARDWARE	GA442

ID	PART	DESCRIPTION	DETAILS
T1	C001	1-PLY 30'-0" TRUSS 2x10 TC / 2x8 BC	HD631
T2	C002	1-PLY 30'-0" GABLE TRUSS 2x8 TC / 2x6 BC	FF300
H1	C012	3-PLY 1-1/4x14 LVL 171-00 HEADER	FO380
		BEARING: 168-08 - BEAM POCKET: 5.38 x 11.75	

COLUMN				FOOTING				ANCHOR			
ID	PART	SHAPE	LENGTH	BASE	SIZE	TYPE	YDS/BGS	DET	TYPE	BRS/BLTS	DET
1	C003	FS666	28-00-00	-64	8x30	POURED	0.1212	EF203	BLOCK	-	EF211
2	C011	J6FE6666	30-00-00	-58	8x24	POURED	0.0436	EF203	BLOCK	-	EF211
3	C004	FE666	28-00-00	-61	8x18	POURED	0.0436	EF203	BLOCK	-	EF211
VS1	695162	FE66	12-00-00	169.5	-	TRUSS	-	-	-	-	HB660

ID	MODEL	COLOR	NOMINAL	ROUGH	FRAME DET	FINISH DET
A1	OVERHEADDOOR - FBO		168"x168"		LK253	LK424

NOTES

FASTEN T2 GABLE TRUSS TO EW COLUMN W/6" FLATLOK SCREWS

(4) AT TC

(4) AT BC

(1) VERTICAL WEB AT EVERY 12" O.C.

FASTEN T2 GABLE TRUSS HEELS TO CORNER COLUMNS W/(6) 4.5" FLATLOKS

REF DETAIL FF300 USE SCREWS INSTEAD OF NAILS

TYP BOTH EW

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

Signature: *Matthew Pjesky*

Name: Matthew Pjesky

Date: 09-29-25 License Number: 61670

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LESTER BUILDING SYSTEMS, LLC.
TOLL-FREE: 800-826-4439
See Titleblock DRWN BY for Extension

JOB-NUMBER 633954

CHKD BY:

REV NO: 0

03 OF 15



☐ ☐

ID	LOCATION	DESCRIPTION	DETAILS
A	FOOTING	18" DIA X 8" THK - POURED	EF203
B	COLUMN	FE666 - ANCHOR: BLOCK	EF211
C	TRUSS	1-PLY 30'-0" GABLE TRUSS 2X8 TC / 2X6 BC	FB300
D	DIAG GBL BRACE	2X6 LESTER NO.2	HB100, HB160
E	PURLIN	2X6 DFL/SYP M-23/2400 MSR 1.8E	GA142, GA122
F	BTM CHD BRACE	2X6 SPF NO.2	GA178, GA176
G	SPLASH PLANK	2X8 SYP NO.2 TRD 0.14 MCA-C	FF417
H	WALL GIRT	2X6 LESTER NO.2	FF437
I	R2 INSULATION	DRIPSTOP MOISTURE CONTROL	JF050
J	R2 FINISH	UNI-RIB 28GA - AZ50 SMP	JF044
K	E1 FINISH	UNI-RIB 28GA - AZ50 SMP (STITCHED)	MF043
L	RAKE TRIM	#820 RAKE AND CORNER	JF330
M	BASE TRIM	#190 BOTTOM CLOSURE	MF113



(A4)



ID	LOCATION	DESCRIPTION	DETAILS
A	FOOTING	30" DIA X 8" THK - POURED	EF203
B	COLUMN	FS666 - ANCHOR: BLOCK	EF211
C	TRUSS	1-PLY 30'-0" TRUSS 2X10 TC / 2X8 BC	-
D	TRUSS TO COLUMN	(4) 1/4"x4.5" FLATLOK, STD, UNI	HD631
E	INSERT BLOCK	(6) 4.5" FLATLOK SCREWS	FF390
F	RIDGE PURLIN	2X6/2X2 DFL/SYP M-23/2400 MSR 1.8E	GA122, GA152
G	PURLIN	2X6 DFL/SYP M-23/2400 MSR 1.8E	GA122
H	BTM CHD BRACE	2X6 SPF NO.2	GA176
	DESIGN DEAD LOAD: 5 PSF - SPACING: 1 @ 75; 3 @ 70; 1 @ 75		
I	FASCIA NAILER	2X6BEV DFL NO.2	IF222
J	SPLASH PLANK	2X8 SYP NO.2 TRD 0.14 MCA-C	FF417
K	EAVE NAILER	2X6BEV DFL NO.2	IF132, IF130
L	SOFFIT NAILER	2X6 DFL/SYP M-23/2400 MSR 1.8E	FF437
M	WALL GIRT	2X6 DFL/SYP M-23/2400 MSR 1.8E	FF437
N	EAVELITE TRANSITION	2X6 DFL/SYP M-23/2400 MSR 1.8E	FF437
O	DIAPHRAGM	EAVE DIAPHRAGM HARDWARE	IF202
P	DIAPHRAGM	RIDGE DIAPHRAGM HARDWARE	GA442
Q	R2 INSULATION	DRIPSTOP MOISTURE CONTROL	JF050
R	R2 FINISH	UNI-RIB 28GA - A250 SMP	JF044
S	R2 SOFFIT	0 3/8" VENTED SOFFIT	IF642
T	S1 FINISH	UNI-RIB 28GA - A250 SMP	MF044
U	S1 EAVELITE	UNI-RIB EAVE LITE PANEL	MF045
V	RIDGE TRIM	#152 VENTED RIDGECAP	OA050
W	EAVE TRIM	#170 STANDARD EAVE	JF154
X	EAVE TRIM	#672 FASCIA WITH STIFFENER	JF153
Y	BASE TRIM	#190 BOTTOM CLOSURE	MF113
Z	SOFFIT	#107 FJJ SOFFIT 1"/1.375"THR	MF724
AA	WALL SPLICE	#230 Z-TRIM	MF359

(B4)

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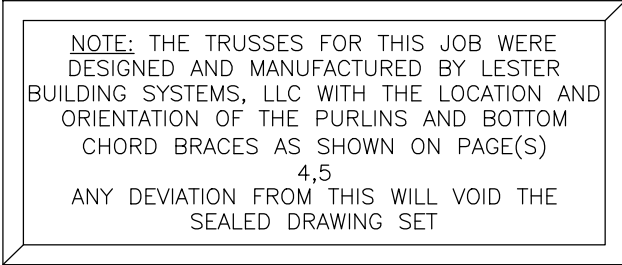
DA003	ENG STAMP BOX - STRUCTURAL DESIGN FULL	384 R2
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DATE: 9/29/2025
JOB-NUMBER 633954
SHEET 05 OF 15

DRWN BY: Amanda x5235

CHKD BY: .

REV NO: 0



JOB DESCRIPTION:
30' x 70' x 20'
.
.

CUSTOMER:
R. Henry Construction, Inc.
101 Power Dr
Mankato, MN 56001

DEALER: Jennifer Wight
25434 Cedar Lane
New Prague, MN 56071

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

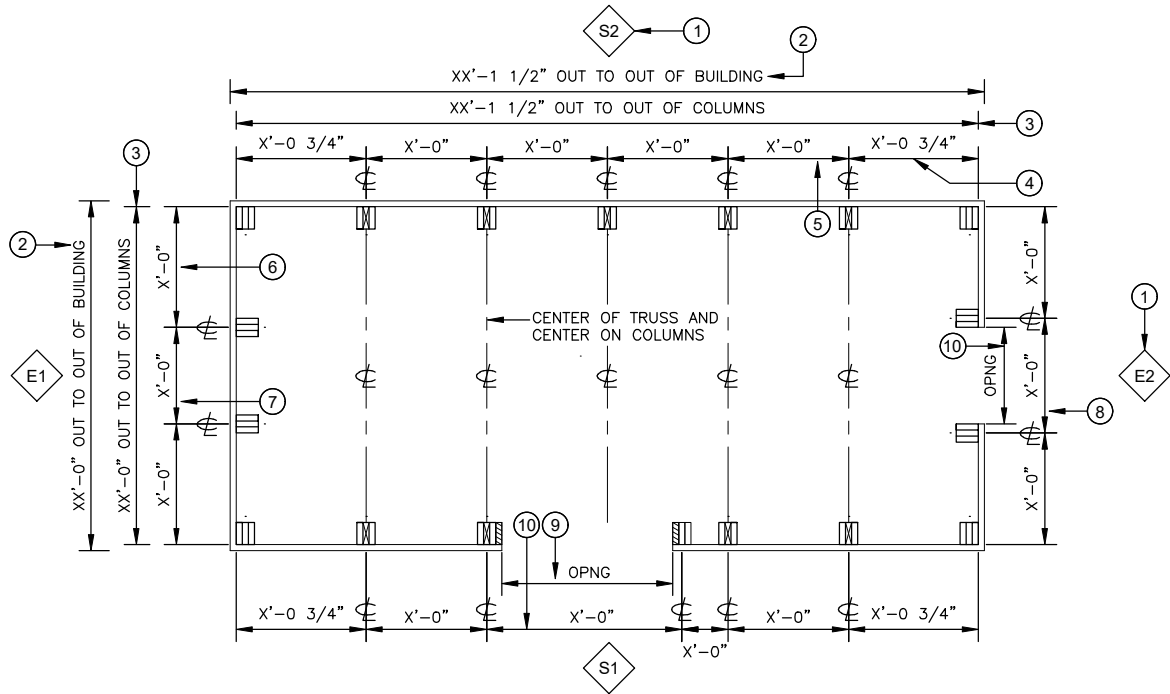
Signature: Matthew Pjesky

Name: Matthew Pjesky

Date: 09-29-25 License Number: 61670

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DA003	ENG STAMP BOX - STRUCTURAL DESIGN FULL 384 R2	

⊕ SYMBOL MEANS
"CENTER LINE"

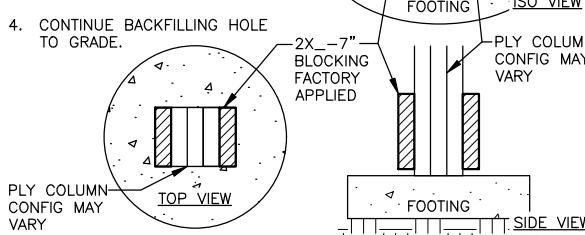


SYMBOL SCHEDULE ○

- THIS SYMBOL IS A REFERENCE THAT RELATES TO YOUR "WHERE USED". IT CALLS OUT THE WALL TYPE/LOCATION. S2 REFERS TO SIDEWALL 2. E2 REFERS TO ENDWALL 2. IT CAN HELP YOUR CONSTRUCTION CREW IDENTIFY WHERE TO STAGE BUILDING MATERIAL.
- OUT TO OUT OF BUILDING LENGTH AND WIDTH IS FROM OUTSIDE EDGE OF BYPASS WALL GIRT TO OUTSIDE EDGE OF BYPASS WALL GIRT.
- OUT TO OUT OF COLUMNS LENGTH AND WIDTH IS MEASURED FROM OUTSIDE EDGE OF CORNER COLUMN TO THE OUTSIDE EDGE OF OPPOSITE CORNER COLUMN.
- END BAYS (BAY NEXT TO ENDWALL) WILL HAVE A DIMENSION SLIGHTLY DIFFERENT THAN THE INTERMEDIATE BAYS. THIS DIMENSION MEASURES FROM THE CENTER OF THE INTERMEDIATE COLUMN TO THE OUTSIDE EDGE OF CORNER COLUMN.
- INTERMEDIATE BAYS ARE DIMENSIONED FROM CENTER OF COLUMN TO CENTER OF COLUMN.
- THE BAY NEXT TO EACH SIDEWALL MEASURES FROM THE CENTER OF COLUMN TO THE OUTSIDE EDGE OF CORNER COLUMN.
- MIDDLE BAYS ON THE ENDWALL ARE DIMENSIONED FROM THE CENTER OF COLUMN TO CENTER OF COLUMN.
- DIMENSION FOR ENDWALL COLUMNS AT DOOR OPENINGS ARE MEASURED FROM CENTER OF COLUMN TO CENTER OF COLUMN. AN OPENING DIMENSION WILL REPRESENT ACTUAL OPENING SIZE.
- DIMENSION FOR SIDEWALL COLUMNS AT DOOR OPENINGS ARE MEASURED FROM CENTER OF COLUMN OR CENTER OF TRUSS TO CENTER OF COLUMN OR CENTER OF TRUSS. (REFER TO FLOOR PLAN OF YOUR PROJECT)
- OPENING DIMENSION IS FROM SIDE OF COLUMN TO SIDE OF COLUMN.

!!!PAY CAREFUL ATTENTION TO WHERE THE DIMENSION LINES MEASURE!!!

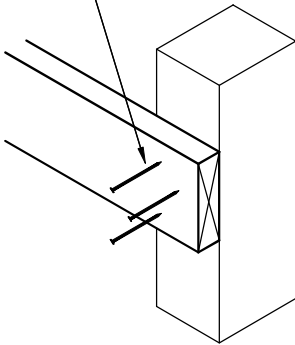
- FACTORY APPLIED 2X_ X 7" CCA TRTD ANCHOR BLOCKING (1) ON EACH SIDE.
- AFTER FOOTING IS IN PLACE, POSITION COLUMN IN HOLE, LOCATE AND PLUMB.
- PARTIALLY BACK FILL THE HOLE USING CLEAN FILL OR SOIL FIRMLY COMPACTED IN 8" LIFTS.
- CONTINUE BACKFILLING HOLE TO GRADE.



EF211 ANCHOR BLOCKS - FACTORY APPLIED COLUMN EMBEDMENT 1' 32 R1

NAIL 2X_ FRAMING MEMBER TO COLUMN USING 16d GALV R.S. NAILS, SEE CHART BELOW FOR QTY.

FRAMING MEMBER SIZE	QTY. 16d GALV R.S. NAILS (P/N: 040140)
2X4	(2)
2X6	(2)
2X8	(3)
2X10	(3)
2X12	(4)



FF001 TYPICAL 2X_ FRMG TO COLUMN CONN WALL FRAMING FASTENING 1.5" 48 R1

DA568 BYPASS FRAME DIMENSION STANDARDS FLOOR PLAN LAYOUT GUIDE 3/8" 12 R2

CONVERSION TO GUN NAIL

TLN NAILS REQUIRED FOR TREATED LUMBER

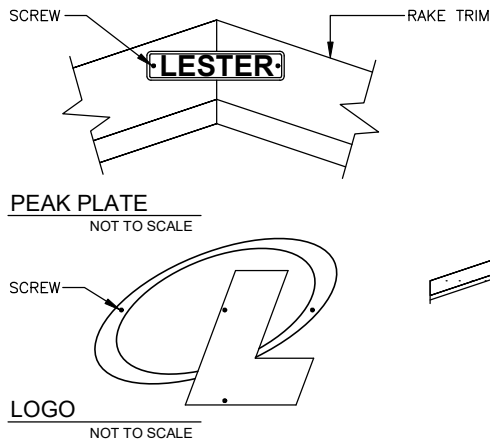
HAND NAIL	GUN NAIL	MULTIPLICATION		EXAMPLE: GUN NAIL REPLACEMENT FOR COMMON DETAILS (IF GUN NAILING SHOWN ON DETAILS - FOLLOW DETAIL)
		WOOD-WOOD	HANGER-WOOD	
16d COM	0.131"x3.25	1.5	1.7	2X4 FLAT PURLIN HAND NAIL (2) 16d COMMONS GUN NAIL (3) 0.131 X 3.25 SMOOTH
16d R.S.	0.131"x3.25	1.4	1.4	BYPASS WALL GIRTS HAND NAIL (2) 16d R.S. NAILS GUN NAIL (3) 0.131 X 3.25 SMOOTH SPLASH PLANK HAND NAIL (2) 16d R.S. NAILS GUN NAIL (3) 0.131 X 3.25 SMOOTH
10d COM	0.131"x3.25	1	1.2	BOOKSHELF GIRTS HAND NAIL (4) 10d BOX NAILS GUN NAIL (4) 0.131 X 3.25 SMOOTH
8d COM	0.131"x3.25	1	1	5/8" SHEATHING HAND NAIL (2) 16d COMMONS GUN NAIL (3) 0.131 X 3.25 SMOOTH
10d C.C.	0.131"x3.25	1	1	

ONLY POWER DRIVEN NAILS LISTED IN "NATIONAL EVALUATION SERVICES REPORT NER-272 (POWER DRIVEN STAPLES AND NAILS FOR USE IN ALL TYPES OF BUILDING CONSTRUCTION) MAY BE USED. FULL HEAD OR CLIPPED HEAD POWER DRIVEN NAILS ONLY. T-HEADED NAILS AND STAPLES "MAY NOT" BE SUBSTITUTED FOR CONNECTIONS INDICATED ON DRAWINGS.

DA600 GUN NAIL CONVERSION CHART GENERAL INFORMATION 32 R1

CONVERSION TO GALVANIZED NAIL

(P/N: 040021) 4d COMMON BRIGHT = (P/N: 040082) 4d GALV COMMON
(P/N: 040025) 8d COMMON BRIGHT = (P/N: 040086) 8d GALV COMMON
(P/N: 040026) 10d COMMON BRIGHT = (P/N: 040087) 10d GALV COMMON
(P/N: 040028) 16d COMMON BRIGHT = (P/N: 040089) 16d GALV COMMON
(P/N: 040016) 10d CC BOX = (P/N: 040076) 10d GALV BOX



DA603 NAIL CONVERSION TO GALV NAILS GENERAL INFORMATION 1" 32 R0

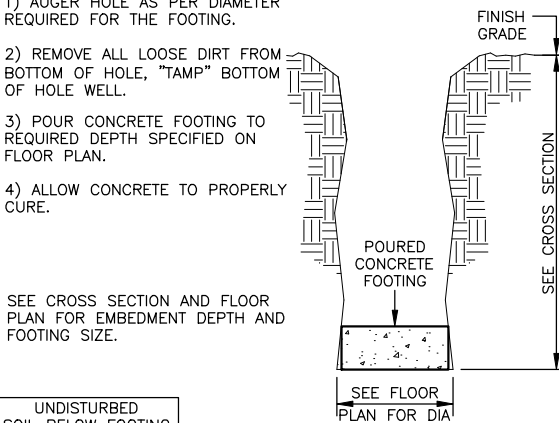
DD001 PEAK & LOGO PLATE INSTALLATION BUILDING SIGNAGE 8 R1

- AUGER HOLE AS PER DIAMETER REQUIRED FOR THE FOOTING.
- REMOVE ALL LOOSE DIRT FROM BOTTOM OF HOLE, "TAMP" BOTTOM OF HOLE WELL.
- POUR CONCRETE FOOTING TO REQUIRED DEPTH SPECIFIED ON FLOOR PLAN.
- ALLOW CONCRETE TO PROPERLY CURE.

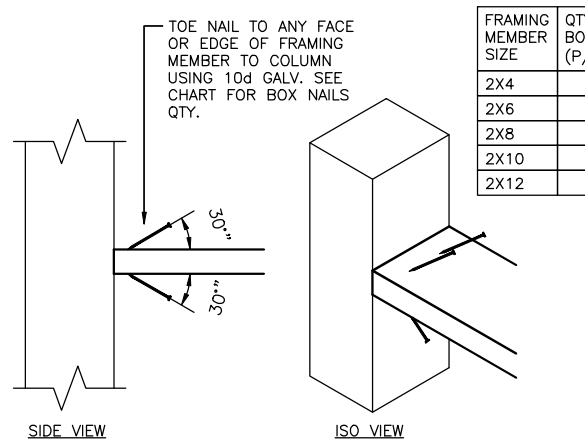
SEE CROSS SECTION AND FLOOR PLAN FOR EMBEDMENT DEPTH AND FOOTING SIZE.

UNDISTURBED SOIL BELOW FOOTING

EF203 POURED CONCRETE FOOTING COLUMN EMBEDMENT 1/2" 16 R1



- !!!IMPORTANT!!! REMOVE FILM FROM LOGO AND PEAK PLATES
- DETERMINE ROOF RISE 'H' (INCLUDE OVERHANGS)
- LOCATE THE TOP OF THE LOGO AT H/3 BELOW THE GABLE FLASHING OR END OVERHANG
- FASTEN W/SCREWS WHEN INSTALLED OVER TOP OF MAJOR RIB(S), FASTEN W/SCREWS & SPACERS IN ALL OTHER HOLES IF THEY DO NOT LAND ON A MAJOR RIB(S).
NOTE: ALL SCREWS GET SPACERS IF FASTENING TO FLAT SIDING
- INSTALL PEAK PLATE AS SHOWN ABOVE



FF002 TOE-NAILED 2X_ FRMG TO COLUMN CONN WALL FRAMING FASTENING 1.5" 48 R1

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

Signature: Matthew Pjesky
Name: Matthew Pjesky
Date: 09-29-25 License Number: 61670

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DA003 ENG STAMP BOX - STRUCTURAL DESIGN FULL 384 R2

THE LOOK OF A CABLE TRUSS WILL VARY FROM BUILDING TO BUILDING

TRUSS CONNECTION TO ENDWALL COLUMNS

BYPASS WALL FRAMING THIS SIDE

FLUSH WALL FRAMING THIS SIDE

CUT DOWN SIDE PLY OF CORNER COLUMN FOR GABLE TRUSS TO SIT ON IF FLUSH GIRTS PRESENT

TRUSS HEEL CONN (SEE CHART)

2X BRG BLOCK W/(4) 16d R.S. NAILS @ EACH TRUSS HEEL

BEARING BLOCK FOR BYPASS EW COLUMNS FF325

BEARING BLOCK FOR FLUSH EW COLUMNS FF322

COLUMNS FACTORY NOTCHED FOR GABLE TRUSS TO SIT ON (FLUSH FRAME ONLY)

LOCATION ON TRUSS	HEEL DEPTH					CUSTOM HEEL HEIGHT
	6"	8"	10"	12"		
(A) HEEL SIZE	4	6	8	10	SEE EW FRAMING ELEVATION	

#-NAILS REQD

LOCATION ON TRUSS	2X4 TRS MEMBER			2X6 TRS MEMBER			2X8 TRS MEMBER			2X10 TRS MEMBER			2X12 TRS MEMBER			#-NAILS REQD
	1 PLY COL	2-4 PLY COL	+5 PLY COL	1 PLY COL	2-4 PLY COL	+5 PLY COL	1 PLY COL	2-4 PLY COL	+5 PLY COL	1 PLY COL	2-4 PLY COL	+5 PLY COL	1 PLY COL	2-4 PLY COL	+5 PLY COL	
(B) TOP & BTM CHORD	2	4	6	3	6	9	3	6	9	4	8	12	4	8	12	#-NAILS REQD
(C) DIAGONAL & HORIZONTAL WEBS	2	2	3	2	3	4	2	3	4	4	5	6	2	3	4	#-NAILS REQD
(D) VERTICAL WEBS	12" O.C. IN EACH PLY															

FF300 GABLE TRUSS TO ENDWALL COLUMN CONN 1/4" 8 R1

FOR A 2-PLY GABLE TRUSS SEE FRAME ELEVATION OF DRWS

BLOCK TO COLUMN W/(4) 16d R.S. NAILS CUT TO FIT BETWEEN COLUMN NOTCH AND TRUSS/RAFTER BEARING LINE

TRUSS/RAFTER BEARING LINE

FLUSH FRAME ENDWALL COLUMN W/FACORY NOTCH OCCURRING BELOW TRUSS/RAFTER BRG LINE

FF325 BYPASS ENDWALL COLUMN PREP FOR TRUSS 1.5" 48 R3

FF417 2X SPLASH PLANK CONN - BYPASS UNI-FRAME WALL FASTENING 1" 32 R1

EW COLUMN (CONFIG MAY VARY)

SW COLUMN (CONFIG MAY VARY)

CORNER COLUMN

(3) 16d R.S. NAILS AT LAPS

2X TRTD SPLASH PLANK

ENDWALL SPLASH PLANK LAPS SIDEWALL SPLASH PLANK

LOCATE SPLICES TO MINIMIZE LUMBER USAGE

(3) 16d GALV R.S. NAILS AT EACH END OF GIRT

ENDWALL SIDEWALL

FF390 2X6, 2X8, OR 2X10 COL PREP FOR TRUSS 3/4" 24 R8

INSERT BLOCK LENGTH	INSERT BLOCK FASTENERS
LESS THAN 3"	(2) 10d NAILS
BETWEEN 3" - 9"	(2) STRUC SCREWS
GREATER THAN 9"	(4) STRUC SCREWS

COL # PLYS

SCREW LENGTH

3 4.5" STRUC SCR (P/N: 042074)

4 6" STRUC SCR (P/N: 042076)

5 8" SPIDER SCR (P/N: 042249)

COLUMN EARS

TRUSS/RAFTER BRG LINE

FASTEN BETWEEN EARS W/(4) " SCREWS (SEE CHART)

2X INSERT BLOCK

(2) SCREWS BELOW INSERT BLOCK(S)

1-PLY TRUSS

2-PLY TRUSS

48"± TRUSS EAR EXTENSION

48"± TRUSS EAR EXTENSION

2X INSERT BLOCK(S)

COLUMN EARS

AFTER COLUMN IS SET AND READY FOR ROOF SYSTEM, FIELD CUT THE BLOCK(S) TO THE APPROPRIATE HEIGHT AND SCREW INTO PLACE

ISO VIEW

FILL ALL SHORT BEARING PLIES

ISO VIEW

FF437 BYPASS WALL GIRTS CONN - STANDARD UNI-FRAME WALL FASTENING 1" 32 R2

EW COLUMN (CONFIG MAY VARY)

SW COLUMN (CONFIG MAY VARY)

CORNER COLUMN

(3) 16d R.S. NAILS AT LAPS

LOCATE SPLICES TO MINIMIZE LUMBER USAGE

2X BYPASS WALL GIRT

ENDWALL WALL GIRTS LAPS SIDEWALL WALL GIRTS

SEE CROSS SECTION FOR FLUSH FRAME WALL GIRT SIZE AND SPACING

ALL GIRTS WILL BE SPLICED FOR BAYS LARGER THAN 10'

2X4 VERTICAL BLOCKING FOR SPLICE NAILERS.

TOE-NAIL W/10d GALV NAILS EACH SIDE

2X GIRTS

HORIZONTAL WALL GIRTS

VERTICAL WALL GIRTS

FF482 VERTICAL BLOCKING BETWEEN GIRTS UNI-FRAME WALL FASTENING 1" 32 R2

LUMBER PLY HEADER QTY./SIZE	10d GALV. BOX NAILS		JA- CLIP	KIT #
	INTO HEADER	INTO COLUMN		
2-PLY 2X8	8	3	JA-3	741370
3-PLY 2X8	8	3	JA-3	741370
4-PLY 2X8	8	3	JA-5	741371
5-PLY 2X8	8	3	JA-5	741372
6-PLY 2X8	8	3	JA-3/JA-5	741373
2-PLY 2X10	10	4	JA-3	741380
3-PLY 2X10	10	4	JA-3	741380
4-PLY 2X10	10	4	JA-5	741381
5-PLY 2X10	10	4	JA-3	741382
6-PLY 2X10	10	4	JA-3/JA-5	741383
2-PLY 2X12	12	5	JA-3	741390
3-PLY 2X12	12	5	JA-3	741390
4-PLY 2X12	12	5	JA-5	741391
5-PLY 2X12	12	5	JA-3	741392
6-PLY 2X12	12	5	JA-3/JA-5	741393

HEADER LOCATION AT COLUMN BASED ON OPNG TYPE.

FOR OVHD DOOR SEE DETAIL F0344

TOENAIL (L) 10d GALV. BOX NAILS THROUGH HEADER INTO COLUMN. (SEE CHART)

TOE-NAIL (L) 10d GALV. BOX NAILS THROUGH COLUMN INTO HEADER. (SEE CHART)

NAILS PER JAMB SIZE:

2X4 - (2)

2X6 - (3)

2X8 - (4)

2X10 - (5)

COLUMN (CONFIGURATION MAY VARY)

JAMB PLY TO FIT SECURELY AT BTM TO HEADER.

IF 1-PLY JAMB FASTEN W/(3) 4.5 SPIDER SCREWS @ TOP. (P/N: 741116)

IF 2-PLY JAMB FASTEN W/(3) 6" SPIDER SCREWS @ TOP. (P/N: 741117)

F0372 HEADER BEARING AT 1 1/2" ABOVE OPNG HEADER TO COLUMN CONNECTION 3/4" 24 R1

STRUCTURAL HEADER TO BE 3/4" LESS IN TOTAL LENGTH THAN THE DISTANCE BETWEEN COLUMNS

3/8"

NOTE: ORIENT GLULAM HEADER WITH THE TOP UP AS MARKED ON GLULAM

HEADER (SEE FLOOR PLAN FOR HEADER TYPE)

BEAM POCKET (BP)

(2) LONGER SCREWS @ BTM

COLUMN

JAMB PLY IS CUT TO FIT SECURELY BELOW HANGER MINUS 1/8" FOR BP SEAT THICKNESS

F0380 BP TO COL - 11.75" HIGH BEAM POCKET HDR. BRG. @ TOP OF DR. OPNG. 1.5" 48 R4

GA122 2X PURLIN SINGLE/DOUBLE SADDLE HGR ROOF FRAMING - FLUSH PURLIN 1.5" 48 R5

(2) 10d 1 1/2" SHEAR NAILS (P/N: 040155)

1-PLY FULL SADDLE HANGER (P/N: 045996) - 2X4 (P/N: 045998) - 2X6 (P/N: 045831) - 2X8

2-PLY FULL SADDLE HANGER (P/N: 045966) - 2X4 (P/N: 045999) - 2X6 (P/N: 045832) - 2X8

TOP VIEW

2X4: (2) 2X6: (4) 2X8: (6) 10d COMMON (P/N: 040087)

SINGLE SADDLE CONN KIT (P/N: 741192) - 2X4 (P/N: 741194) - 2X6 (P/N: 741421) - 2X8

DOUBLE SADDLE CONN KIT (P/N: 741128) - 2X4 (P/N: 741195) - 2X6 (P/N: 741422) - 2X8

1/2 SADDLE HANGER (P/N: 045995) - 2X4 (P/N: 045997) - 2X6 (P/N: 045830) - 2X8

(2) 10d x 1-1/2" SHEAR NAILS (P/N: 040155)

HALF SADDLE HGR CONN CKT: (P/N: 741191) - 2X4 (P/N: 741193) - 2X6 (P/N: 741420) - 2X8

GA142 2X PURLIN HALF SADDLE HANGER ROOF FRAMING - FLUSH PURLIN 2" 64 R4

JA- CLIP W/(L) 10d GALV. BOX NAILS PER FLANGE. (SEE CHART)

TOENAIL (L) 10d GALV. BOX NAILS THROUGH HEADER INTO COLUMN. (SEE CHART)

TOE-NAIL (L) 10d GALV. BOX NAILS THROUGH COLUMN INTO HEADER. (SEE CHART)

NAILS PER JAMB SIZE:

2X4 - (2)

2X6 - (3)

2X8 - (4)

2X10 - (5)

COLUMN (CONFIGURATION MAY VARY)

JAMB PLY TO FIT SECURELY AT BTM TO HEADER.

IF 1-PLY JAMB FASTEN W/(3) 4.5 SPIDER SCREWS @ TOP. (P/N: 741116)

IF 2-PLY JAMB FASTEN W/(3) 6" SPIDER SCREWS @ TOP. (P/N: 741117)

GA172 2X BTM BRACE IN FLUSH MOUNT HANGER 2" 64 R3

FLUSH HANGER CONN KIT (P/N: 741190) - 2X4 (P/N: 741196) - 2X6/8 (P/N: 741199) - 2X10/12

FLUSH MOUNT HANGER (P/N: 045994) - 2x4 (P/N: 046000) - 2x6/8 (P/N: 046003) - 2x10/12

2X4: (2) 2X6/8: (4) 2X10/12: (4) 10d COMMON (P/N: 040087)

NOTES:

USE 2X6 HGR/CONN FOR 2X8 BRACES.

USE 2X10 HGR/CONN FOR 2X12 BRACES.

2X4: (4) 2X6/8: (4) 2X10/12: (8) 10d SHEAR NAILS (P/N: 040155)

BTM BRACE

TRUSS

2X4: (4) 2X6/8: (4) 2X10/12: (8) 10d SHEAR NAILS (P/N: 040155)

IF 2-PLY JAMB FASTEN W/(3) 6" SPIDER SCREWS (P/N: 042248)

GA152 RIDGE NAILER W/ OR W/O 2X2 IN SADDLE ROOF FRAMING - FLUSH PURLIN 1.5" 48 R5

(2) 10d 1 1/2" SHEAR NAILS (P/N: 040155)

1-PLY FULL SADDLE HGR (P/N: 045996) - 2X4 (P/N: 045998) - 2X6 (P/N: 045831) - 2X8

2-PLY FULL SADDLE HGR (P/N: 045966) - 2X4 (P/N: 045999) - 2X6 (P/N: 045832) - 2X8

TOP VIEW

2X4: (2) 2X6: (4) 2X8: (6) 10d COMMON (P/N: 040087)

SINGLE SADDLE CONN KIT (P/N: 741192) - 2X4 (P/N: 741194) - 2X6 (P/N: 741421) - 2X8

DOUBLE SADDLE CONN KIT (P/N: 741128) - 2X4 (P/N: 741195) - 2X6 (P/N: 741422) - 2X8

1/2 SADDLE HANGER (P/N: 045995) - 2X4 (P/N: 045997) - 2X6 (P/N: 045830) - 2X8

(2) 10d x 1 1/2" SHEAR NAILS (P/N: 040155)

HALF SADDLE HGR CONN CKT: (P/N: 741191) - 2X4 (P/N: 741193) - 2X6 (P/N: 741420) - 2X8

GA162 RIDGE NAILER W/ OR W/O 2X2 HALF SAD ROOF FRAMING - FLUSH PURLIN 1.5" 48 R8

FLUSH HANGER CONN KIT (P/N: 741190) - 2X4 (P/N: 741196) - 2X6/8 (P/N: 741199) - 2X10/12

FLUSH MOUNT HANGER (P/N: 045994) - 2x4 (P/N: 046000) - 2x6/8 (P/N: 046003) - 2x10/12

2X4: (2) 2X6/8: (4) 2X10/12: (4) 10d COMMON (P/N: 040087)

NOTES:

USE 2X6 HGR/CONN FOR 2X8 BRACES.

USE 2X10 HGR/CONN FOR 2X12 BRACES.

2X4: (4) 2X6/8: (4) 2X10/12: (8) 10d SHEAR NAILS (P/N: 040155)

BTM BRACE

TRUSS

2X4: (4) 2X6/8: (4) 2X10/12: (8) 10d SHEAR NAILS (P/N: 040155)

DA003 ENG STAMP BOX - STRUCTURAL DESIGN FULL 384 R2

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

Signature: *Matthew Pjesky*

Name: Matthew Pjesky

Date: 09-29-25 License Number: 61670

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DATE: 9/29/2025

JOB-NUMBER: 633954

DRWN BY: Amanda x5235

CHKD BY:

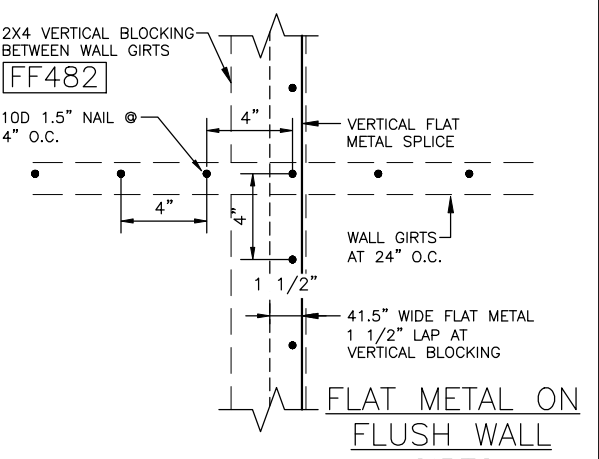
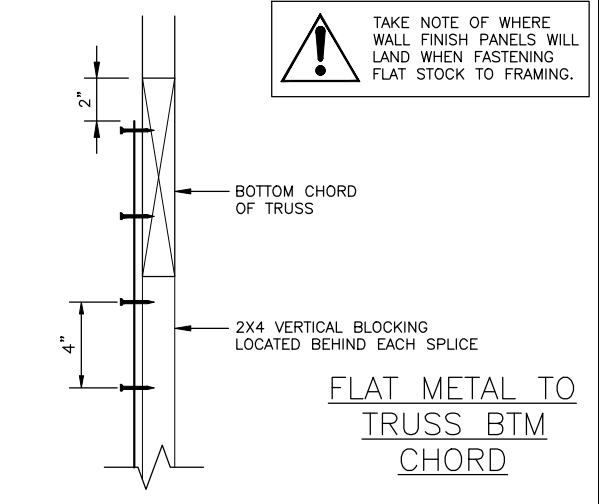
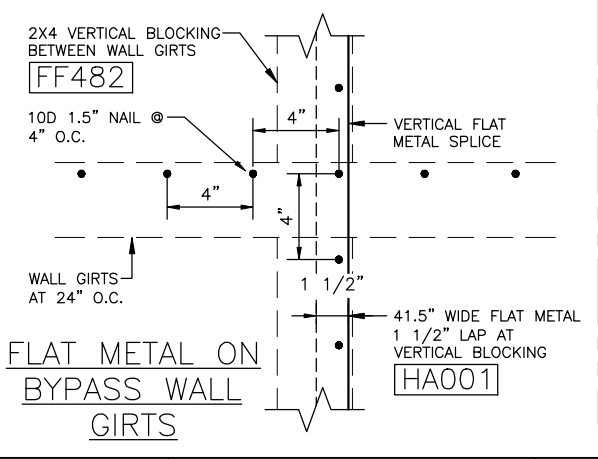
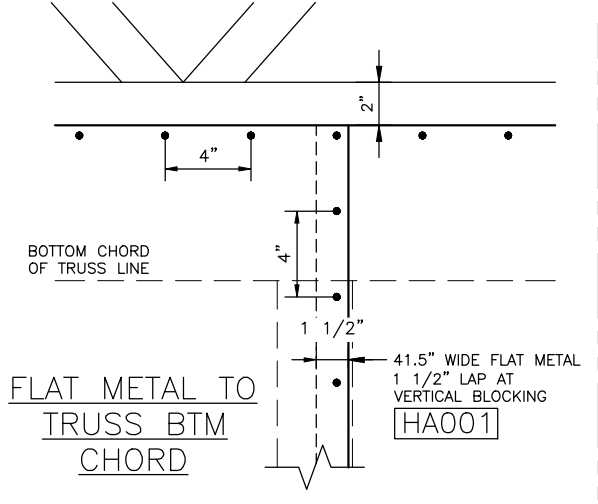
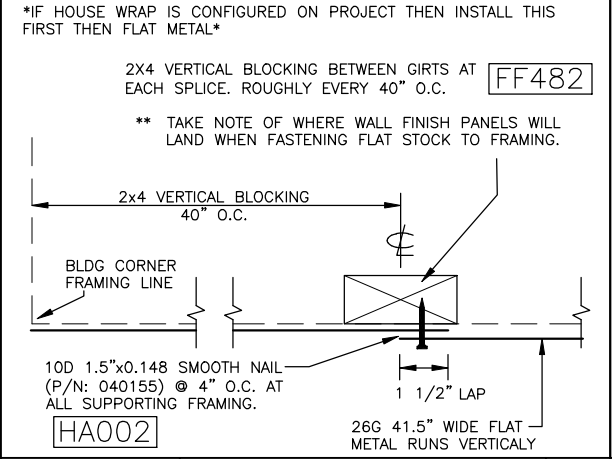
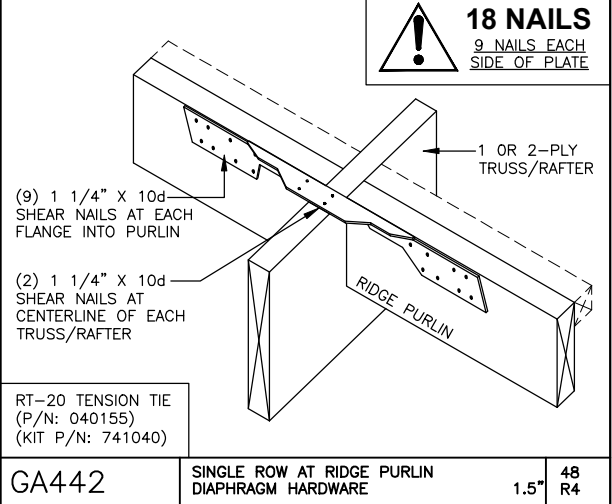
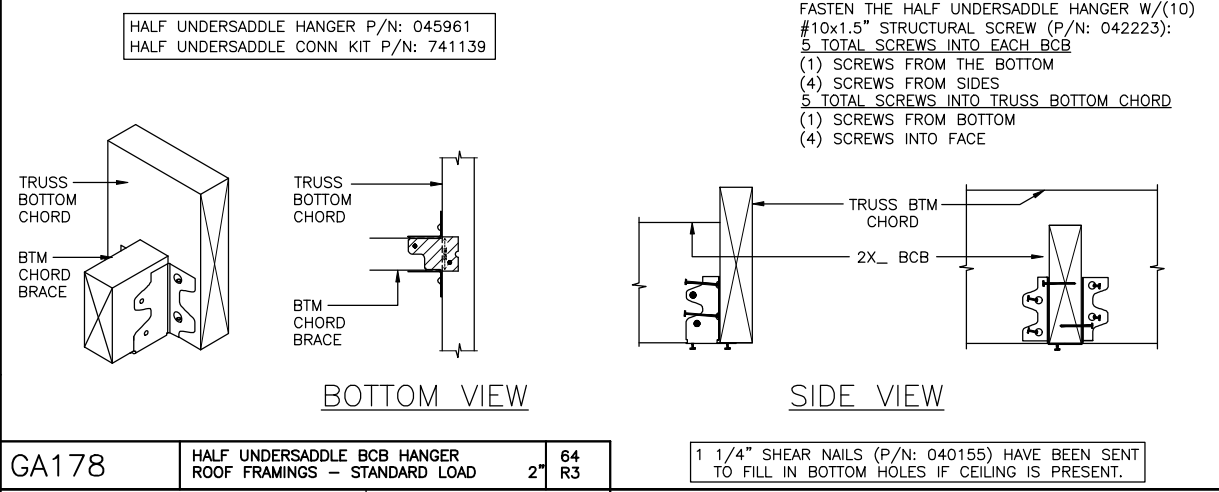
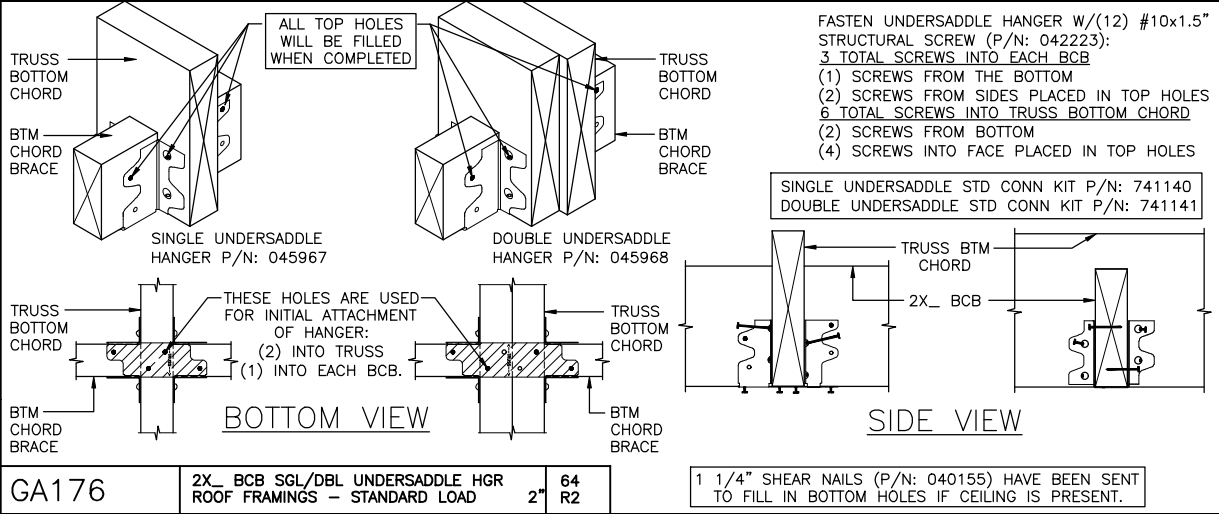
REV NO: 0

JOB DESCRIPTION: 30'x70'x20'

CUSTOMER: R. Henry Construction, Inc. 101 Power Dr Mankato, MN 56001

DEALER: Jennifer Wright 25434 Cedar Lane New Prague, MN 56071

LESTER BUILDING SYSTEMS, LLC. TOLL-FREE: 800-826-4439 See Titleblock DRWN BY for Extension



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

Signature: *Matthew Pjesky*

Name: Matthew Pjesky

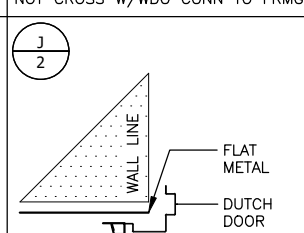
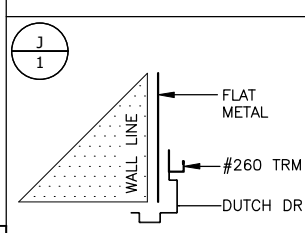
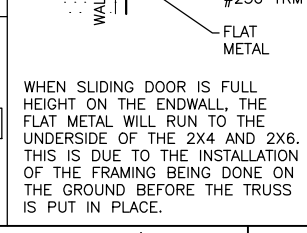
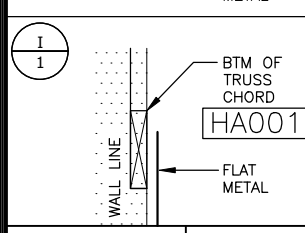
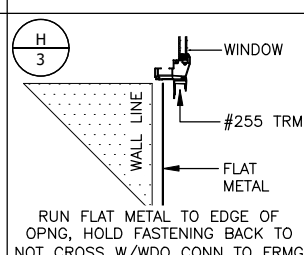
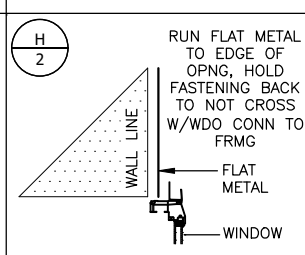
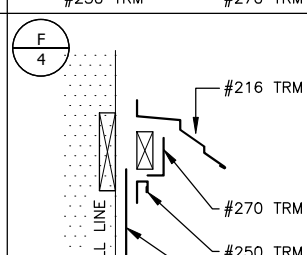
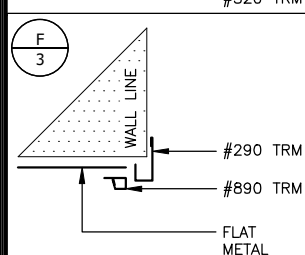
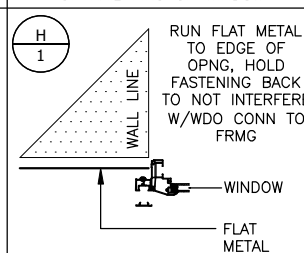
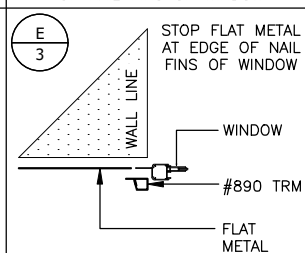
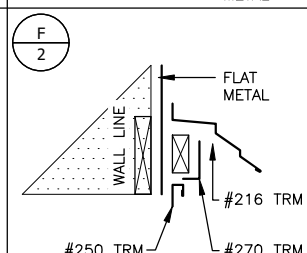
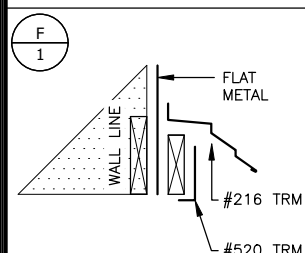
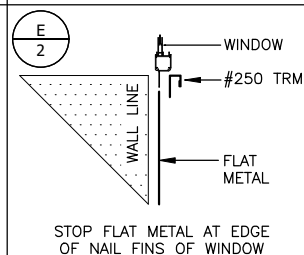
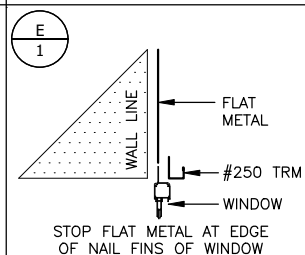
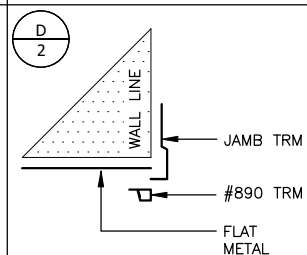
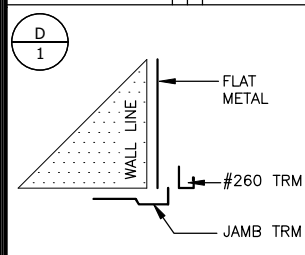
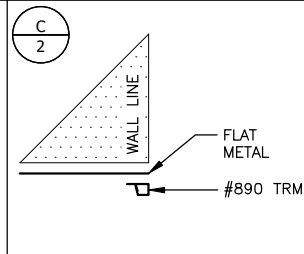
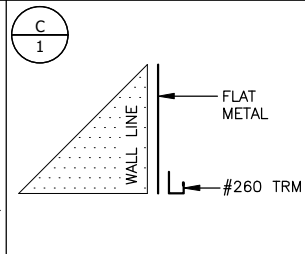
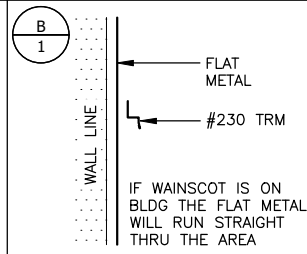
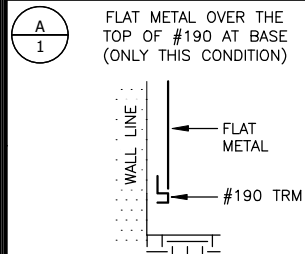
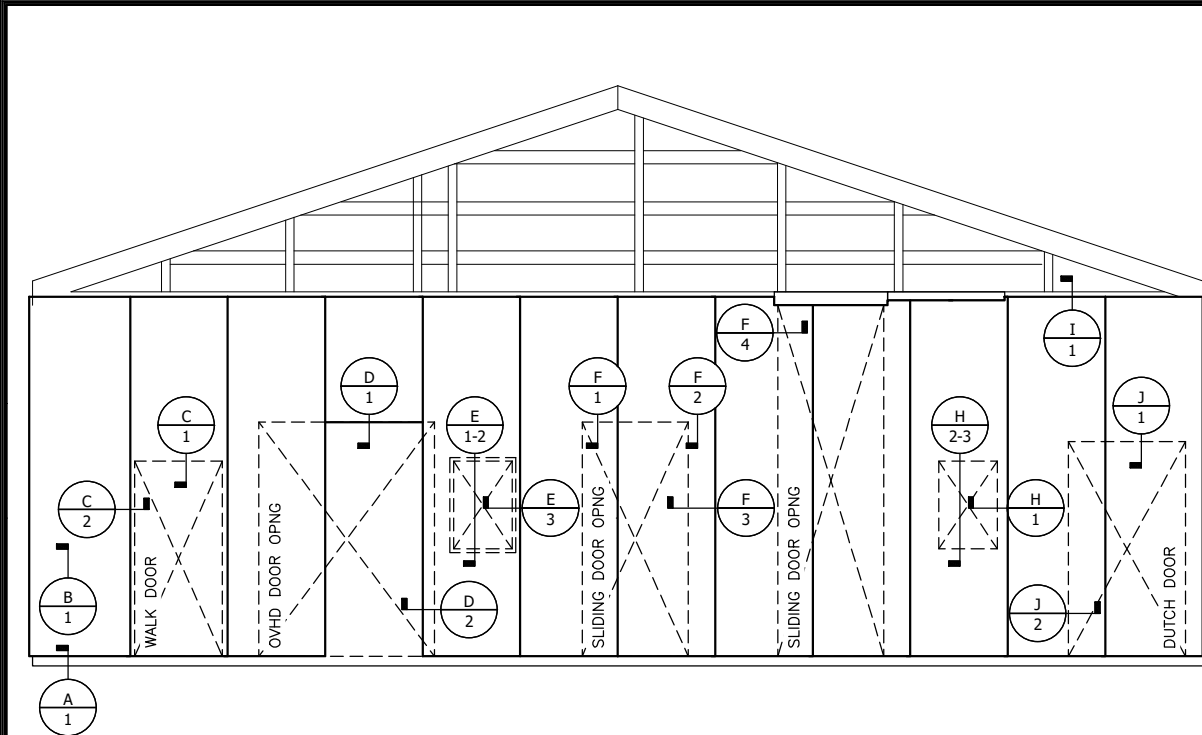
Date: 09-29-25 License Number: 61670

THIS CERTIFICATION IS LIMITED TO THE STRUCTURAL DESIGN OF THE FRAMING AND COVERING PARTS MANUFACTURED BY LESTER BUILDING SYSTEMS, ALL OTHER ITEMS SUCH AS EQUIPMENT, VENTILATION, PLUMBING, ELECTRICAL, ERECTION, DOORS, FIRE REQUIREMENTS, INSPECTION, CONCRETE FLOORS, ETC. IS THE RESPONSIBILITY OF OTHERS.

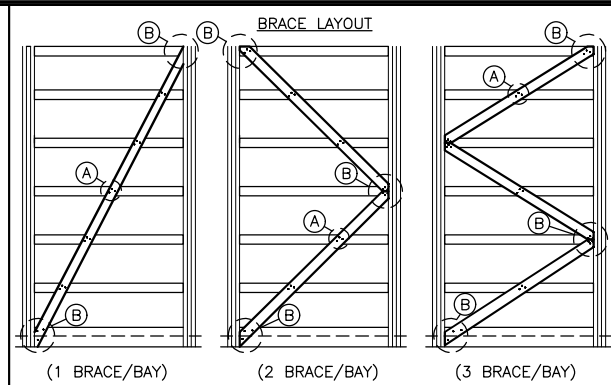
DA003

ENG STAMP BOX - STRUCTURAL DESIGN FULL

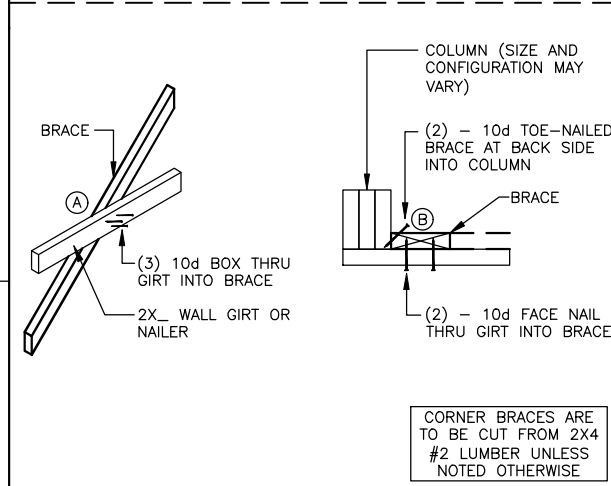
384 R2



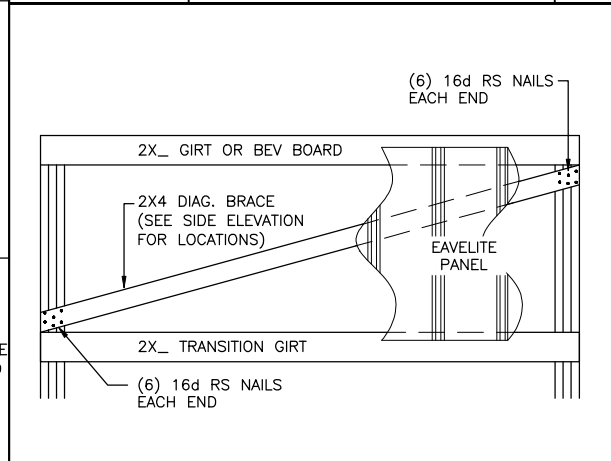
HA004 VARIOUS OPNG CONDITIONS W/FLAT METAL 0" THICK FLAT METAL - SHEAR WALL 1" 32 R1



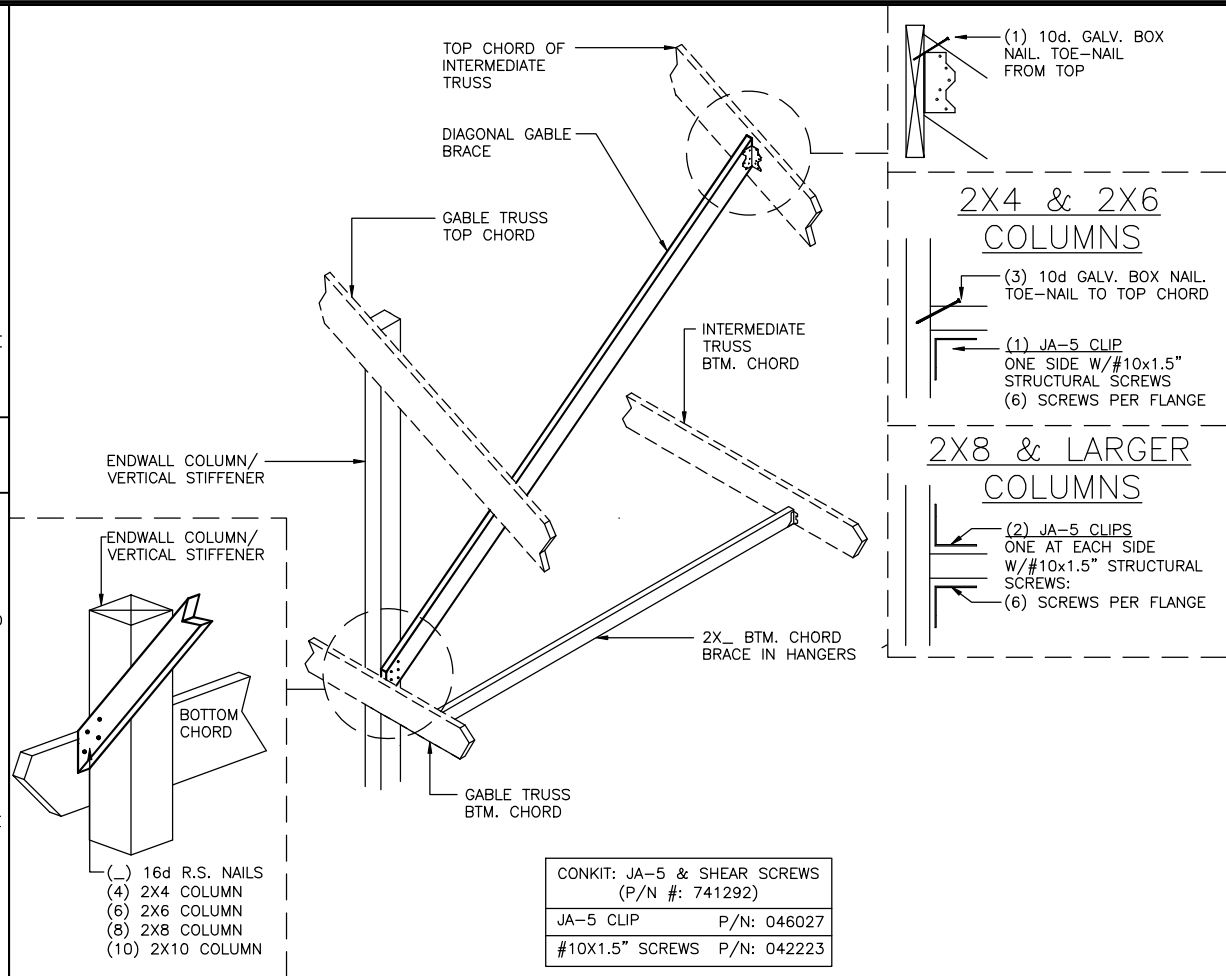
SEE ELEVATIONS FOR CONFIGURATION
SEE WHERE USED REPORT FOR LUMBER SIZE AND GRADE
SEE FLOOR PLAN FOR LOCATIONS



HA527 WALL DIAGONAL BRACE - EMBEDDED BRACING INSTALLATION - CONFIGURED 1/4" 8 R3



HA550 SHEAR BRACE AT EAVE LITE - BYPASS WALL BRACING 1/2" 16 R1



HB100 DIAGONAL GABLE BRACE CONNECTION STANDARD TRUSS BRACING 3/8" 12 R3

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

Signature: *Matthew Pjesky*

Name: Matthew Pjesky

Date: 09-29-25 License Number: 61670

THIS CERTIFICATION IS LIMITED TO THE STRUCTURAL DESIGN OF THE FRAMING AND COVERING PARTS MANUFACTURED BY LESTER BUILDING SYSTEMS, LLC. ALL OTHER ITEMS SUCH AS EQUIPMENT, VENTILATION, PLUMBING, ELECTRICAL, ERECTION, DOORS, FIRE REQUIREMENTS, INSPECTION, CONCRETE FLOORS, ETC. IS THE RESPONSIBILITY OF OTHERS.

DA003 ENG STAMP BOX - STRUCTURAL DESIGN FULL 384 R2

DATE: 9/29/2025 SHEET 09 OF 15

JOB-NUMBER 633954

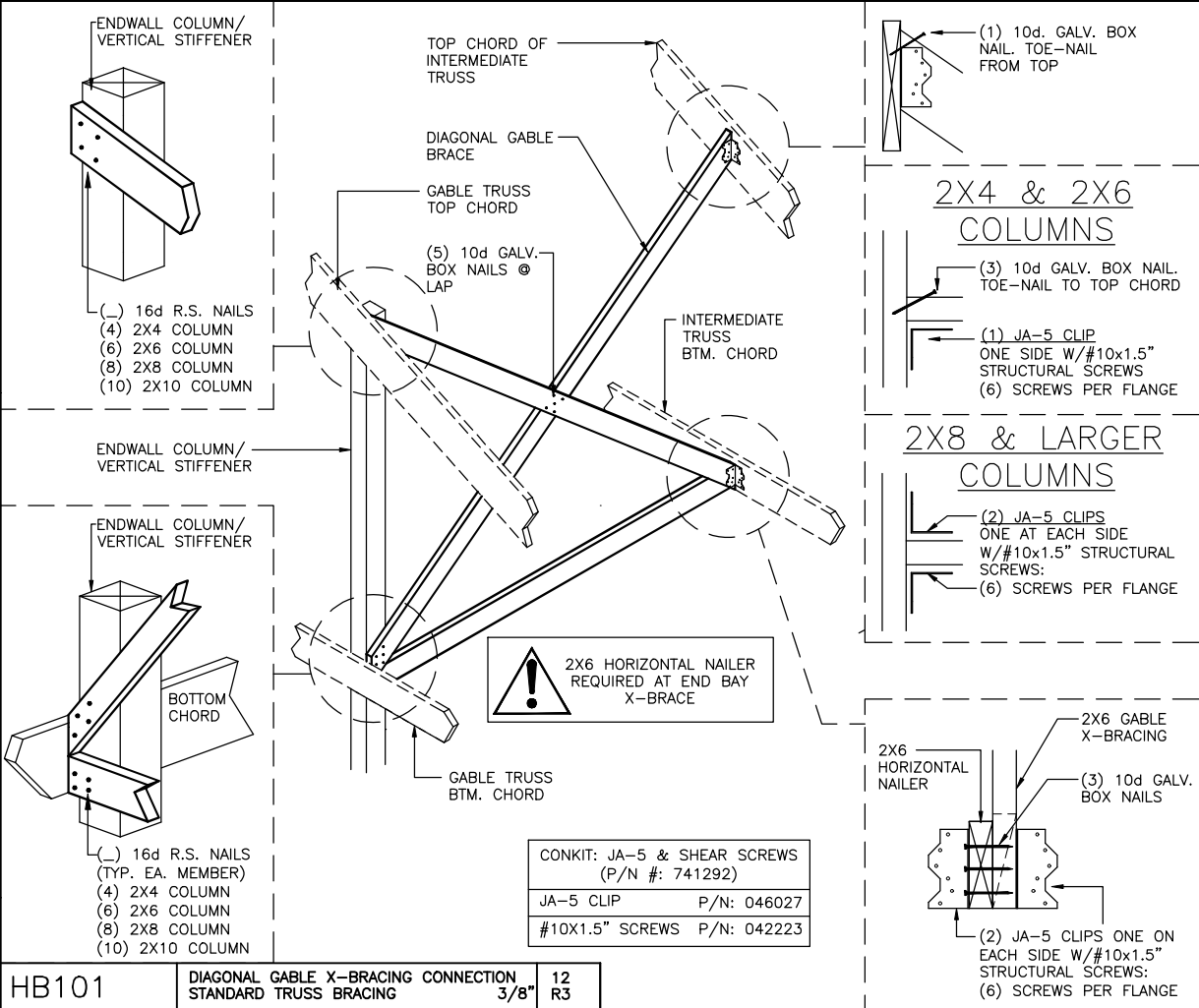
DRWN BY: Amanda x5235 CHKD BY: .

JOB DESCRIPTION: 30'x70'x20'

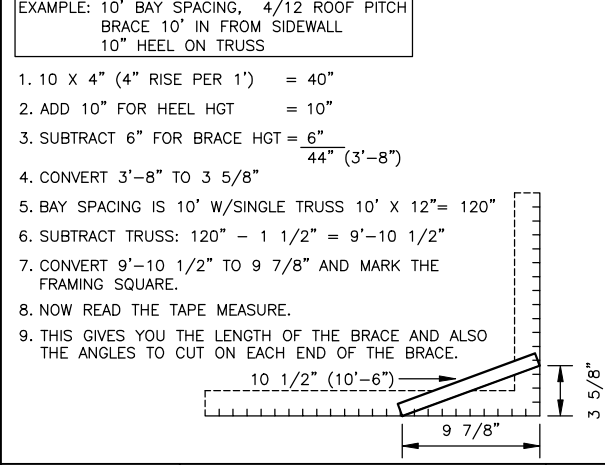
CUSTOMER: R. Henry Construction, Inc. 101 Power Dr Mankato, MN 56001

DEALER: Jennifer Wight 25434 Cedar Lane New Prague, MN 56071

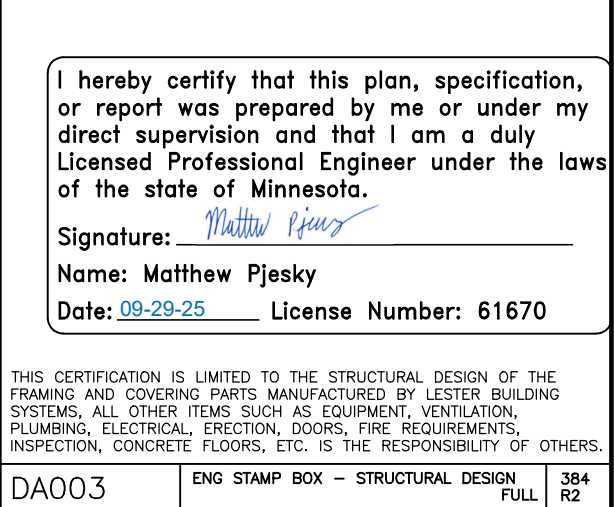
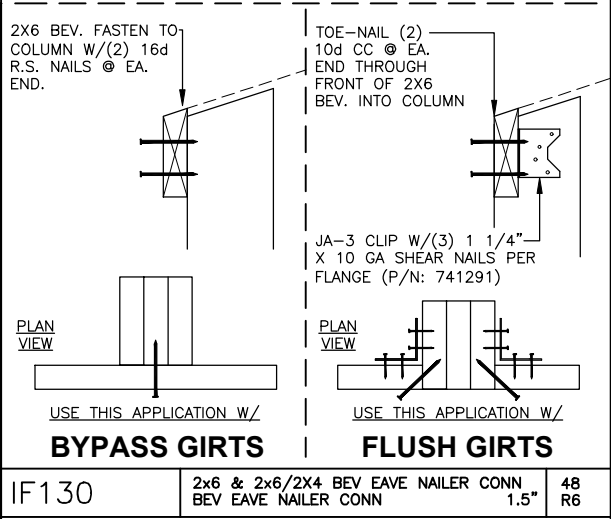
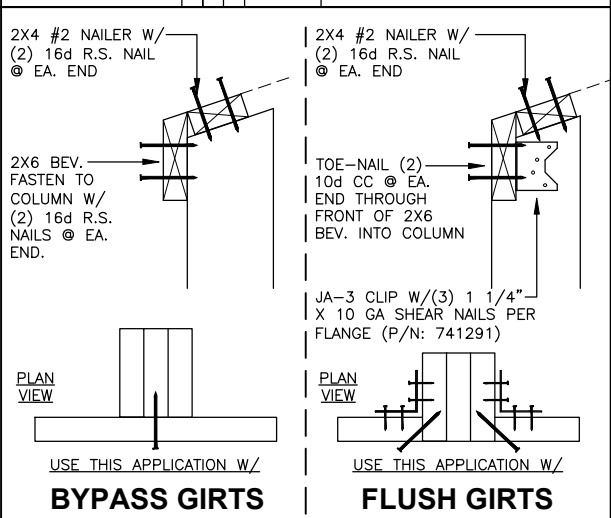
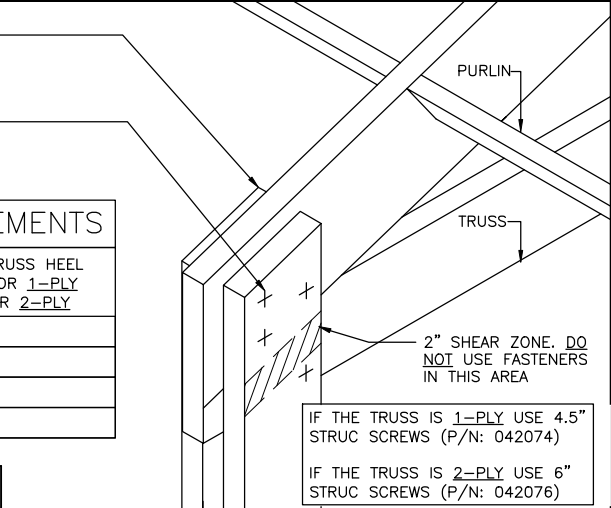
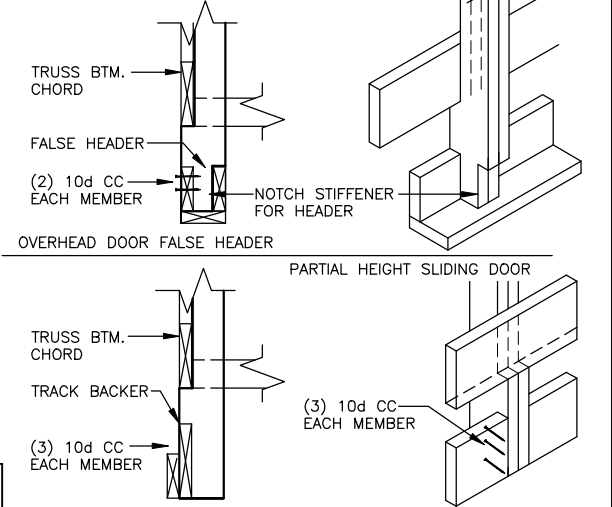
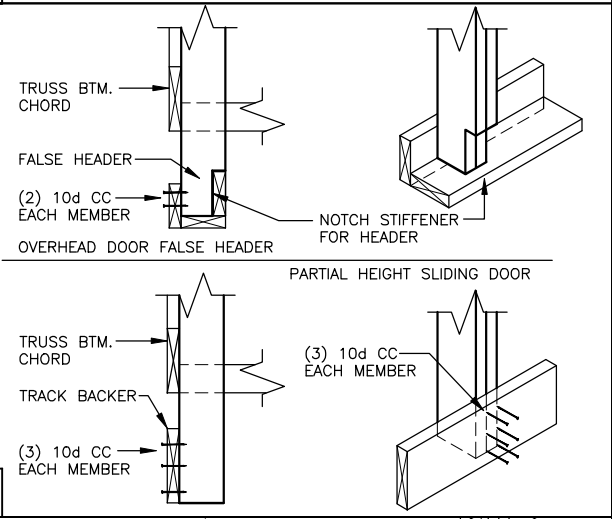
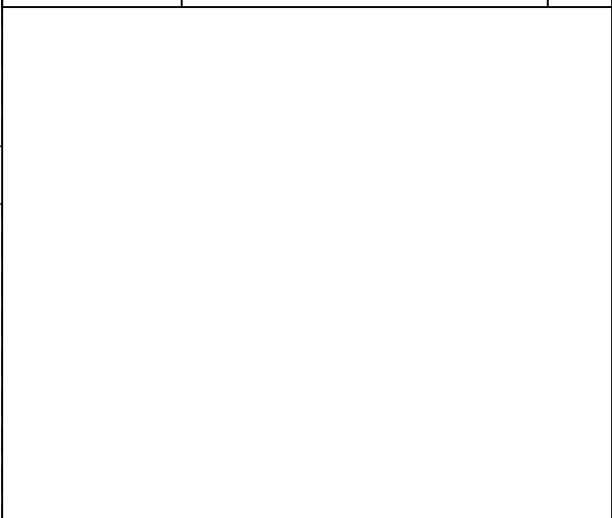
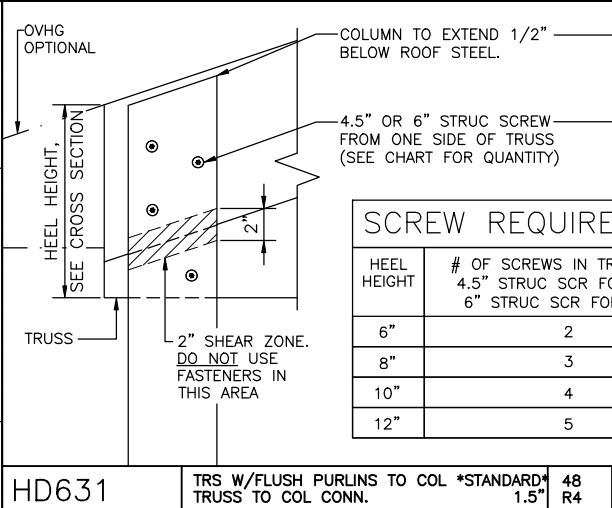
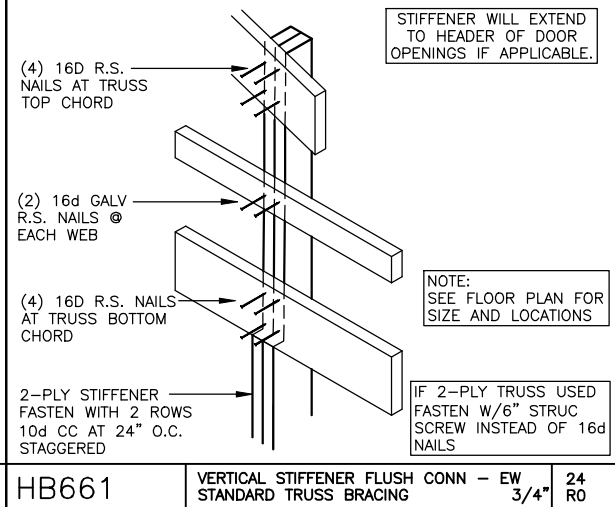
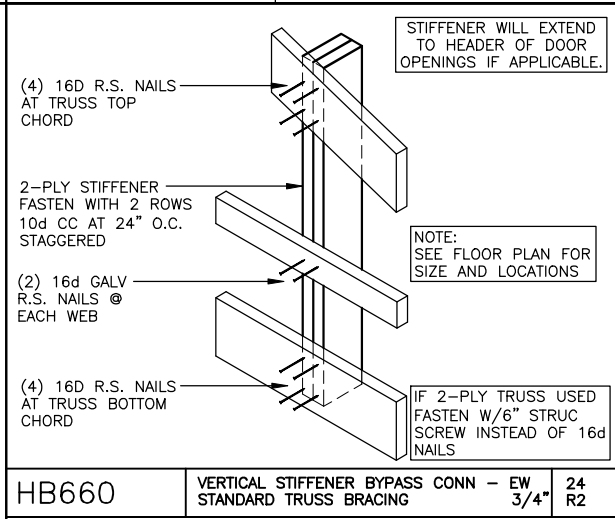
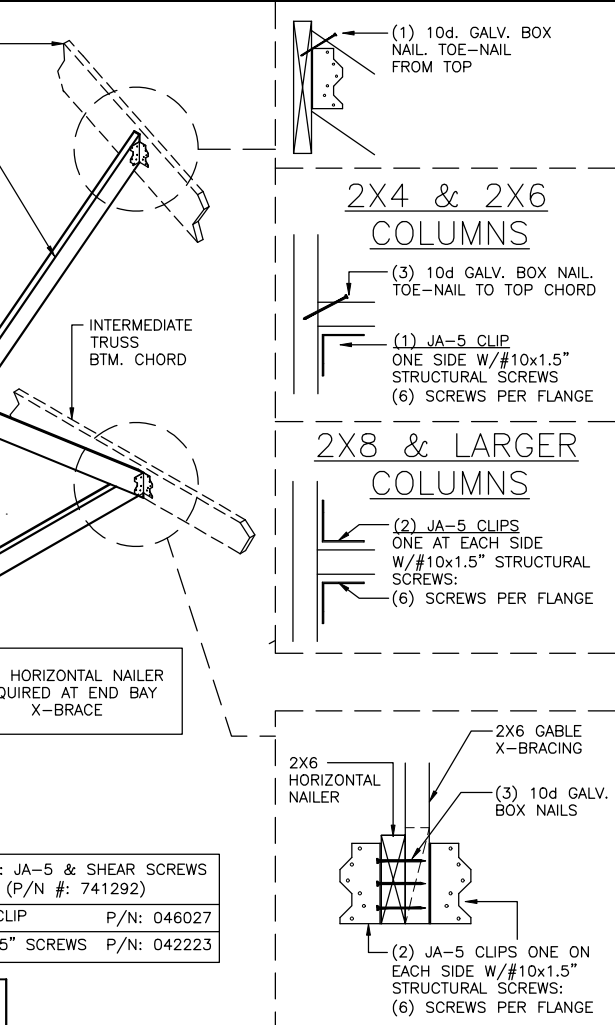
LESTER BUILDING SYSTEMS, LLC. TOLL-FREE: 800-826-4439 See Titleblock DRWN BY for Extension

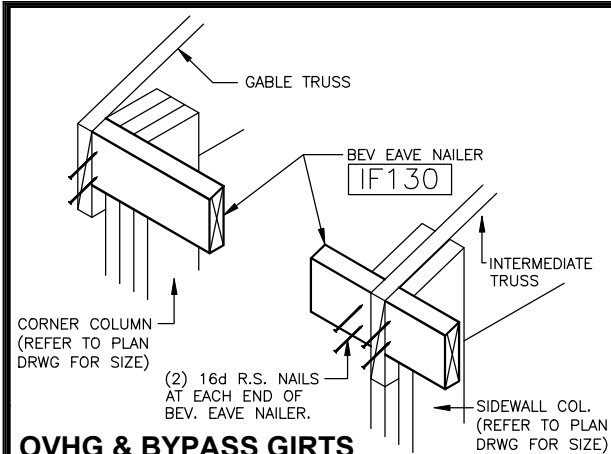


1. MEASURE THE RISE IN FEET AND INCHES.
2. SUBTRACT 6 INCHES FOR HEIGHT OF BRACE CUT.
3. MEASURE THE BAY WIDTH IN FEET AND INCHES.
MEASURE FROM THE INSIDE FACE TO INSIDE FACE OF THE TRUSSES.
4. KEEP THESE TWO MEASUREMENTS IN MIND AND GET OUT YOUR RAFTER FRAMING SQUARE.
5. THINK OF THE INCHES ON YOUR SQUARE IN TERMS OF FEET AND FRACTIONS OF A FOOT.
1" = 1'
2" = 2'
3" = 3' AND SO ON
1/2" = 6"
1/4" = 3" AND SO ON
6. MEASURE ACROSS THE SQUARE WITH THE BAY WIDTH.
7. MEASURE UP THE VERTICAL LEG OF THE SQUARE FOR THE TRUSS RISE
8. WITH THESE TWO POINTS MARKED ON YOUR SQUARE, USE A TAPE MEASURE TO MEASURE THE DIAGONAL.
9. THIS MEASUREMENT, WHEN THOUGHT OF AS FEET AND INCHES, WILL GIVE YOU THE LENGTH OF THE BRACE FROM THE LONG POINT TO THE SHORT POINT ON THE 2X6 BRACE.



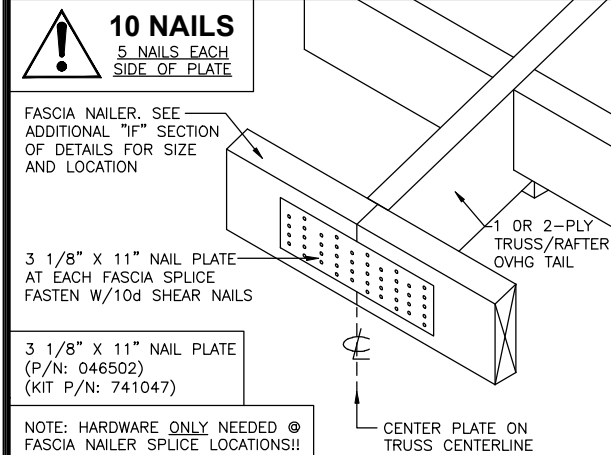
HB160 TRUSS DIAGONAL BRACE STEP BY STEP INSTRUCTIONS 3' 96 R1



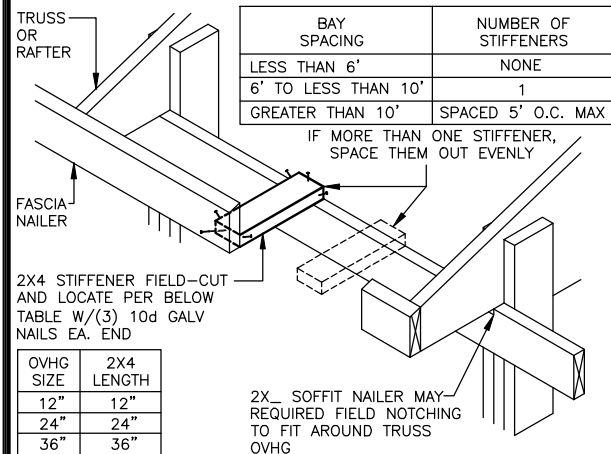


OVHG & BYPASS GIRTS

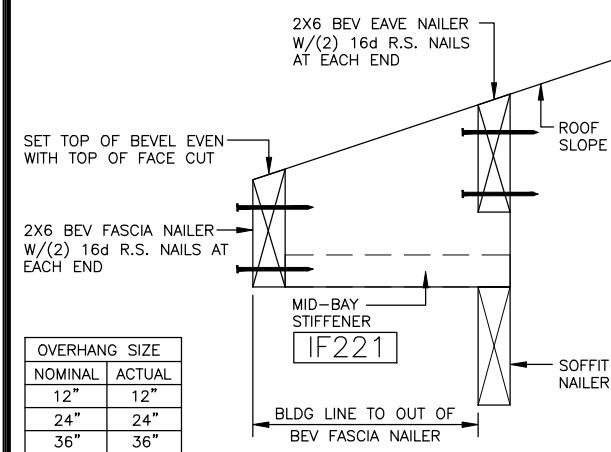
IF132	BEVELED EAVE NAILER TO COLUMN CONN. EAVE FASTENING - FLUSH PURLINS	32 R2
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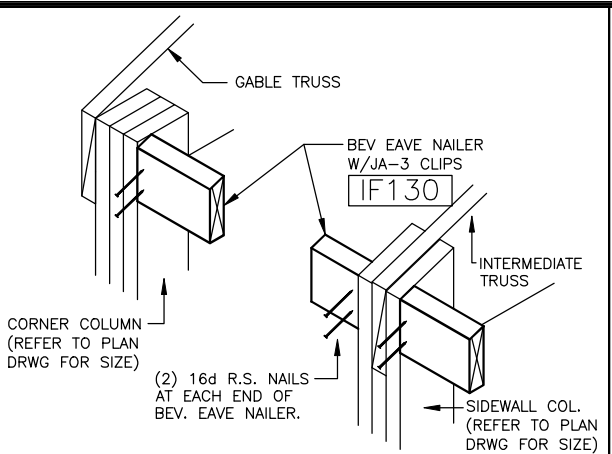
IF202	NAIL PLATE AT FASCIA NAILER W/10 NAILS DIAPHRAGM HARDWARE	48 R4
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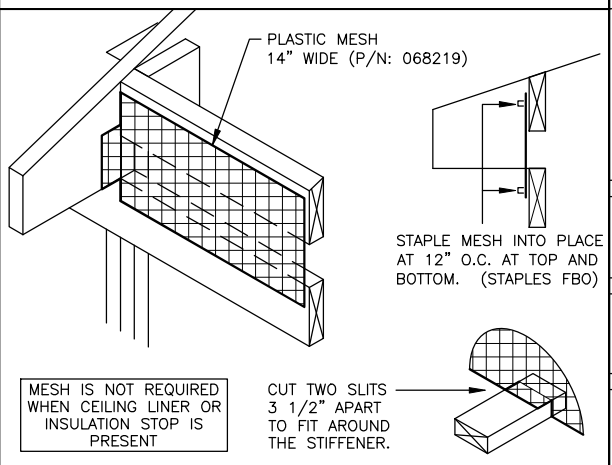
IF221	MID-BAY OVHG SOFFIT STIFFENER STANDARD EAVE FRAMING	24 R3
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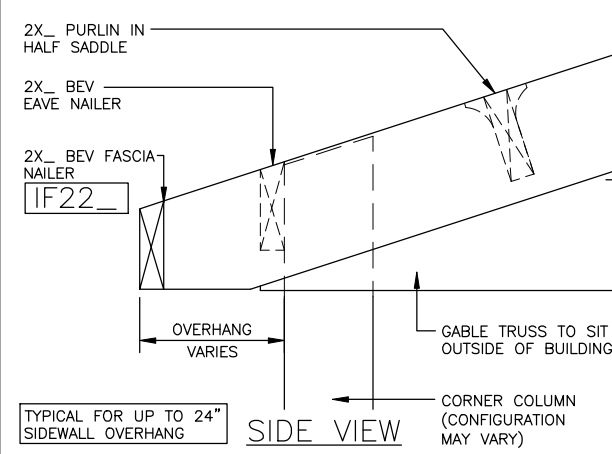
IF222	SW OVERHANG FRAMING - BYPASS GIRTS SW EAVE FRAMING - FLUSH PURLIN	64 R1
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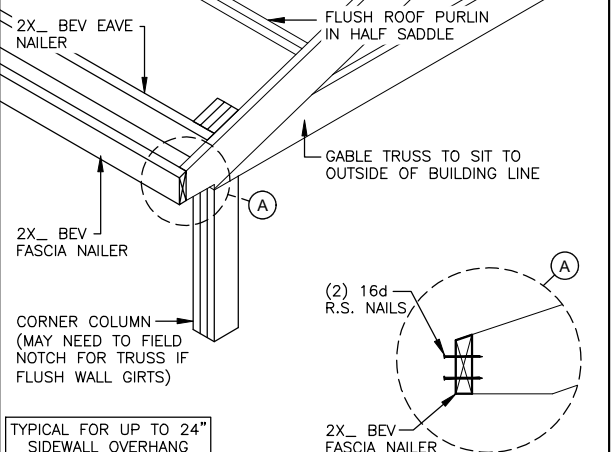
NO OVHG W/FLUSH GIRTS



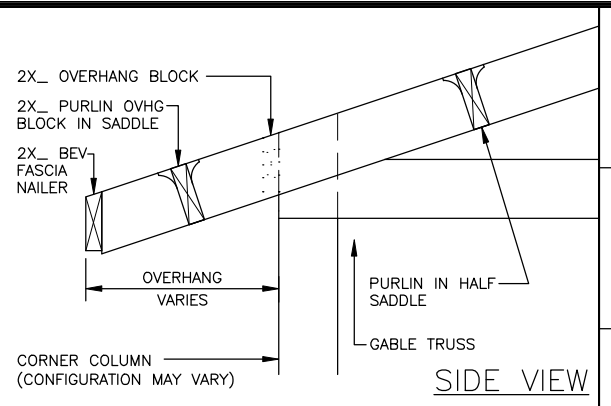
IF261	14" PLASTIC MESH/NETTING INSTALLATION EAVE OVHG FRAMING	32 R4
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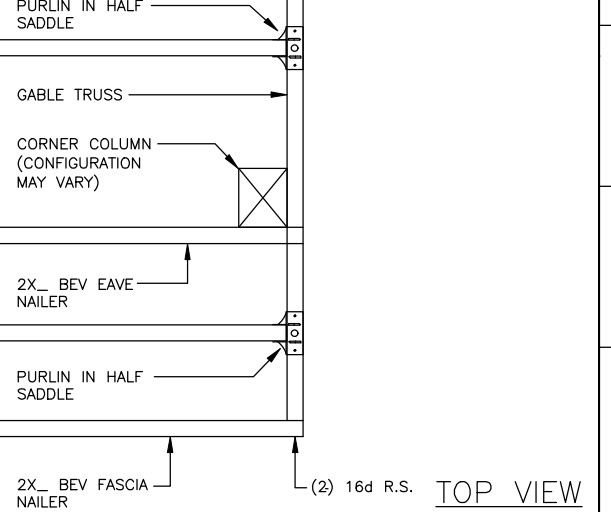
IF402	0" ENDWALL OVHG & SIDEWALL OVERHANG CORNER FRAMING - FLUSH PURLIN	48 R4
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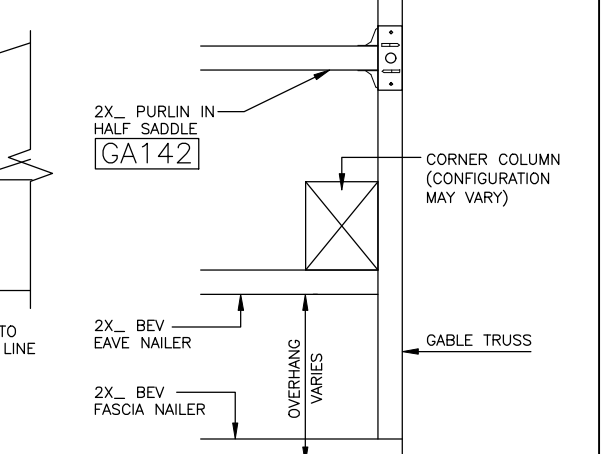
IF403	0" ENDWALL OVHG & SIDEWALL OVHG (ISO) CORNER FRAMING - FLUSH PURLIN	16 R3
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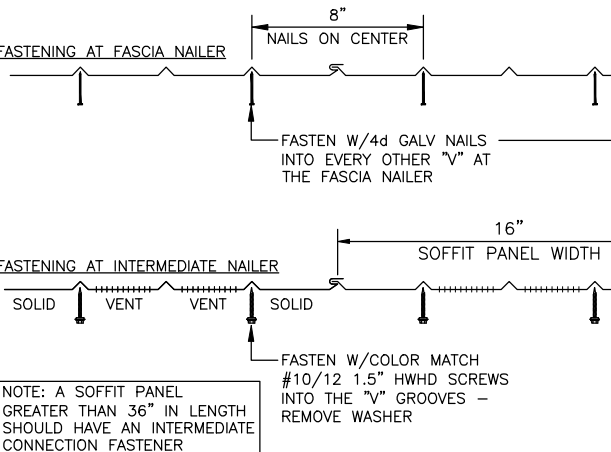
IF462	0" EW OVHG & SW OVHG W/PURLIN CORNER FRAMING - FLUSH PURLIN	32 R1
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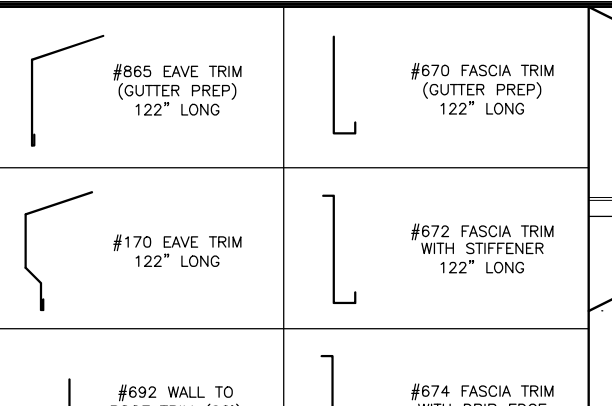
IF462	0" EW OVHG & SW OVHG W/PURLIN CORNER FRAMING - FLUSH PURLIN	32 R1
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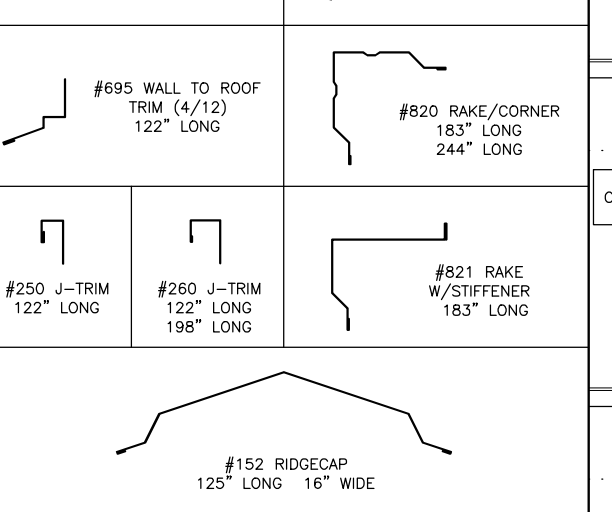
IF462	0" EW OVHG & SW OVHG W/PURLIN CORNER FRAMING - FLUSH PURLIN	32 R1
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IF642	COLOR METAL SOFFIT W/ FASTENERS OVERHANG SOFFIT CONNECTIONS	64 R5
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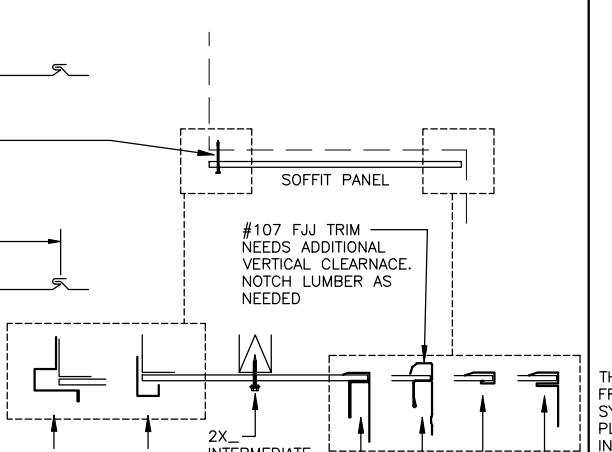
JF001	COMMON ROOF TRIM IDENTIFICATIONS UNI-RIB ROOF FINISH & FLASHING	64 R0
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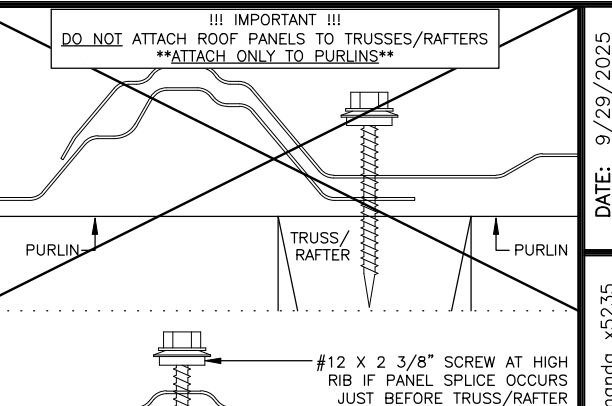
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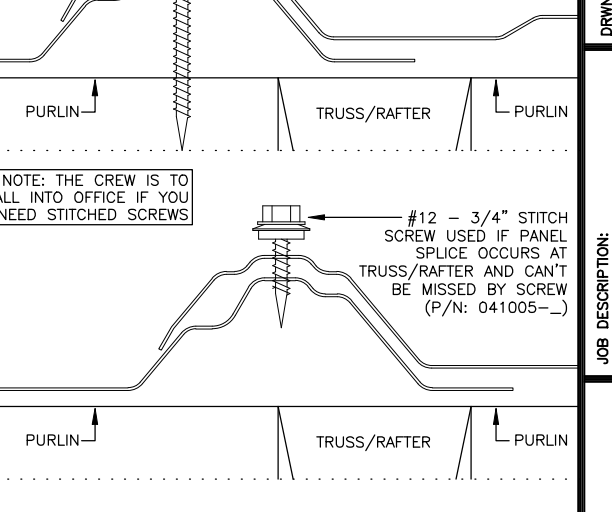
JF001	COMMON ROOF TRIM IDENTIFICATIONS UNI-RIB ROOF FINISH & FLASHING	64 R0
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JF001	COMMON ROOF TRIM IDENTIFICATIONS UNI-RIB ROOF FINISH & FLASHING	64 R0
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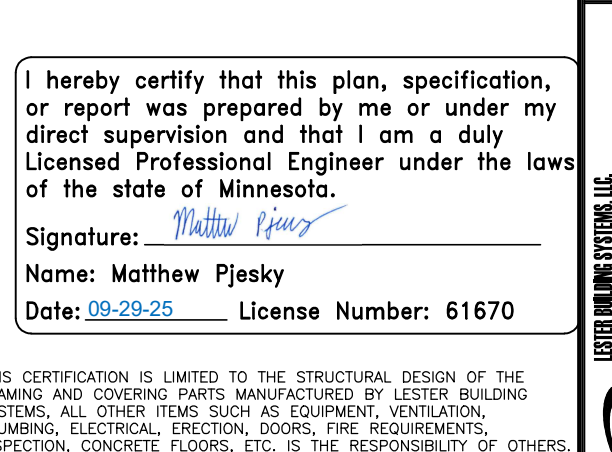
JF039	STITCH SCREW FASTENING ON ROOF UNI-RIB ROOF FINISH & FLASHING	384 R2
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JF039	STITCH SCREW FASTENING ON ROOF UNI-RIB ROOF FINISH & FLASHING	384 R2
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JF039	STITCH SCREW FASTENING ON ROOF UNI-RIB ROOF FINISH & FLASHING	384 R2
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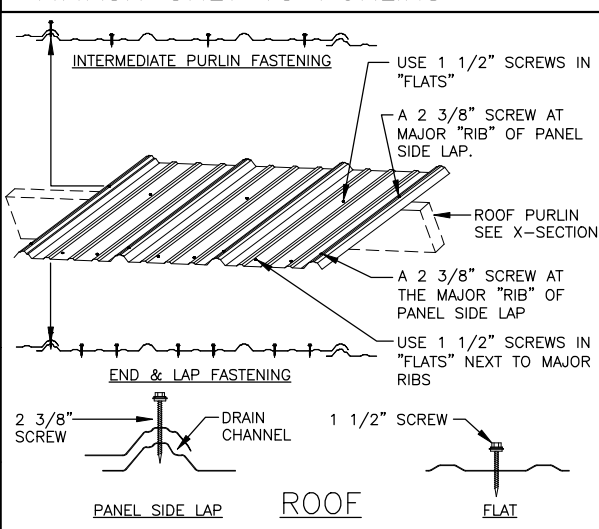
JF039	STITCH SCREW FASTENING ON ROOF UNI-RIB ROOF FINISH & FLASHING	384 R2
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DATE: 9/29/2025
JOB-NUMBER: 633954
SHEET: 11 OF 15
DRWN BY: Amanda x5235
CHKD BY:
REV NO: 0
JOB DESCRIPTION: 30'x70'x20'
CUSTOMER: R. Henry Construction, Inc.
101 Power Dr
Mankato, MN 56001
DEALER: Jennifer Wight
25434 Cedar Lane
New Prague, MN 56071
LESTER BUILDING SYSTEMS, LLC.
TOLL-FREE: 800-826-4439
See Titleblock DRWN BY for Extension

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota.
Signature: *Matthew Pjesky*
Name: Matthew Pjesky
Date: 09-29-25 License Number: 61670
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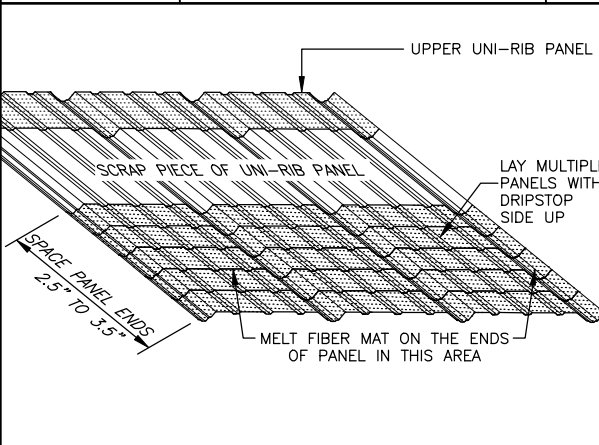
DA003
ENG STAMP BOX - STRUCTURAL DESIGN FULL
384 R2

!!DO NOT ATTACH ROOF PANELS TO TRUSS/RAFTER!!
ATTACH ONLY TO PURLINS JF039



- APPLICATION OF UNI-RIB PANELS WITH SCREWS**
- * USE 1 1/2" HWH EPDM AT "FLATS" OF PANEL. DO NOT OVER TIGHTEN. (P/N: 041003 W/SUFFIX RANGE)
 - * USE 2 3/8" HWH EPDM AT MAJOR "RIB" OF PANEL. DO NOT OVER TIGHTEN. (P/N: 041004 W/SUFFIX RANGE)
 - * AT PANEL LAP SPLICES AND AT THE ENDS, LOCATE SCREWS IN "FLATS" NEXT TO MAJOR RIBS, AND ON MAJOR "RIB" OF PANEL SIDE LAP.
 - * PROVIDE A MINIMUM GAP OF 1/8" BETWEEN ANY HORIZONTAL SURFACE AND THE BOTTOM OF THE UNI-RIB PANEL
 - * PRIOR TO PANEL APPLICATION, AVOID WALKING ON MAJOR "RIBS" IN ORDER TO PREVENT DAMAGE.
 - * IF RIGID INSULATION UP TO 1" THICK, INCREASED SCREW LENGTH BY THE THICKNESS OF THE INSULATION W/INCREMENTS OF 1/2"

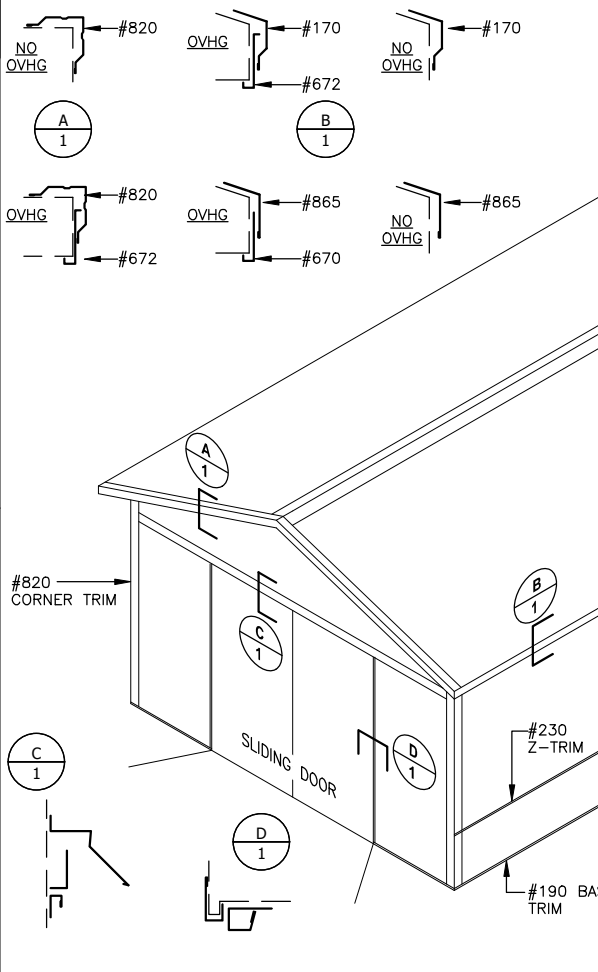
JF044 SCREW FASTENING PATTERN UNI-RIB ROOF FINISH & FLASHING 3/4" 24 R7



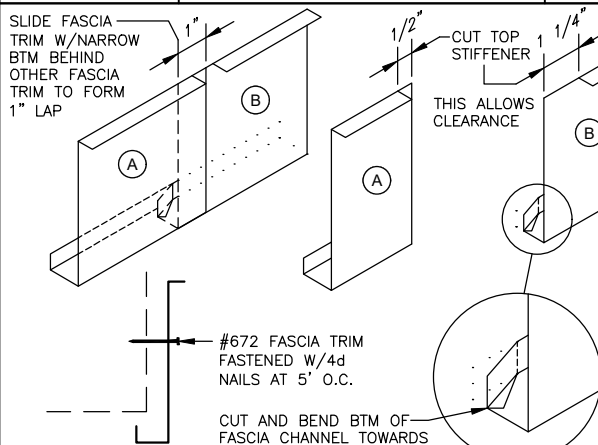
APPLICATION OF MELTING DRIPSTOP ON UNI-RIB PANELS
(MELT MULTIPLE PANELS AT ONE TIME)

- * PREPARE PANELS BY LAYING MULTIPLE UNI-RIB PANELS W/DRIPSTOP SIDE UP. REMEMBER TO LAY THEM IN A WAY TO NOT SCRATCH THE PAINTED SIDE.
 - * SPACE THE BOTTOM END OF EACH PANEL 2.5" TO 3.5" APART FROM EACH OTHER.
 - * USE A SCRAP PIECE OF UNI-RIB ON TOP ON THE UPPER PANEL.
 - * USE AN ELECTRICAL/GAS HEATER CCA. 650° C. AND MELT THE BOTTOM END OF ALL PANELS SUCH THAT THE FIBER MAT CONSOLIDATED AND THE PORES ARE ELIMINATED. THE FIBER MAT WILL MELT WITHIN SECONDS.
- THE FIBER MAT OF DRIPSTOP CAN WICK WATER UP THE UNDERSIDE OF THE PANEL ANY TIME THE EDGE OF THE PANEL IS EXPOSED TO WATER. THIS OCCURS AT THE EAVE AND AT THE END LAP SPLICES. MELTING THE FIBER MAT ELIMINATES THE SMALL PORES THAT ALLOW WATER TO BE PULLED INTO THE MATERIAL.

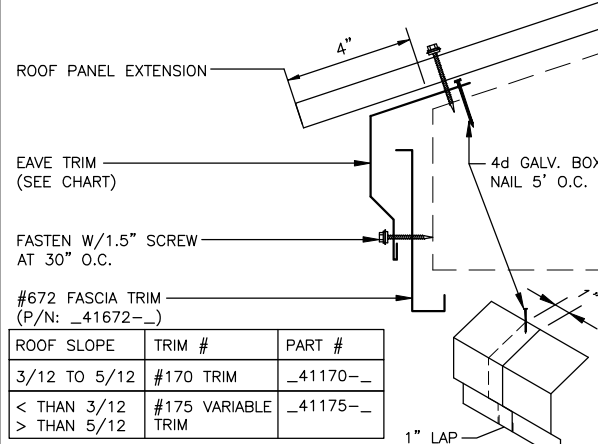
JF050 DRIPSTOP MELTING APPLICATION UNI-RIB ROOF FINISH & FLASHING 1/2" 16 R2



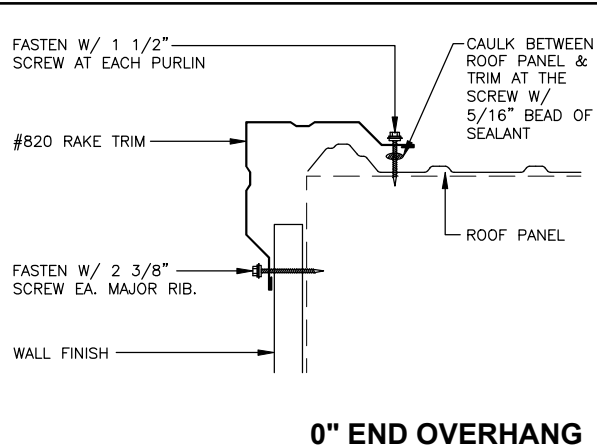
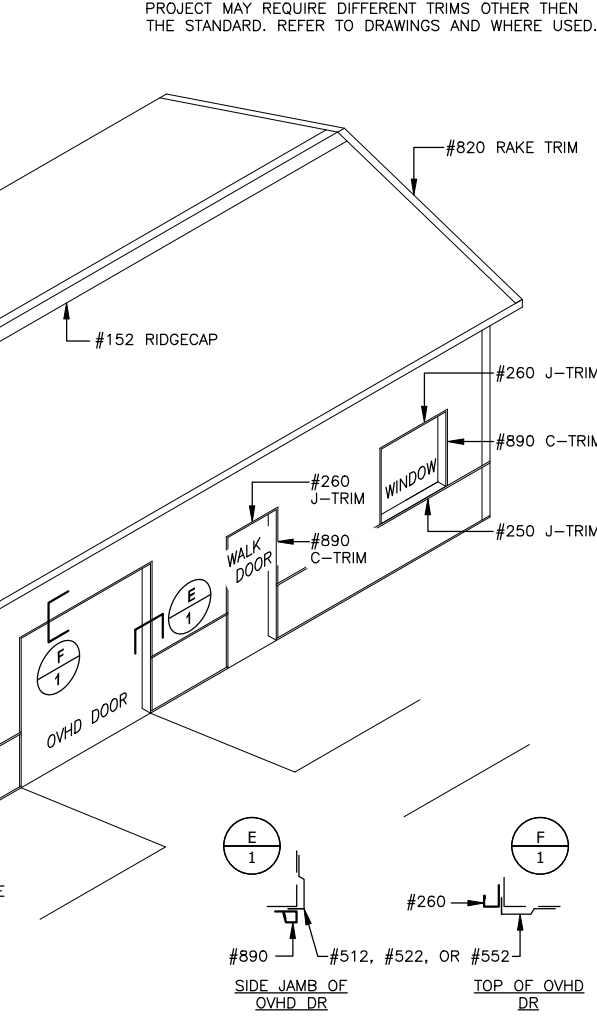
JF086 STANDARD TRIM LOCATIONS UNI-RIB ROOF FINISH & FLASHING 1/4" 64 R6



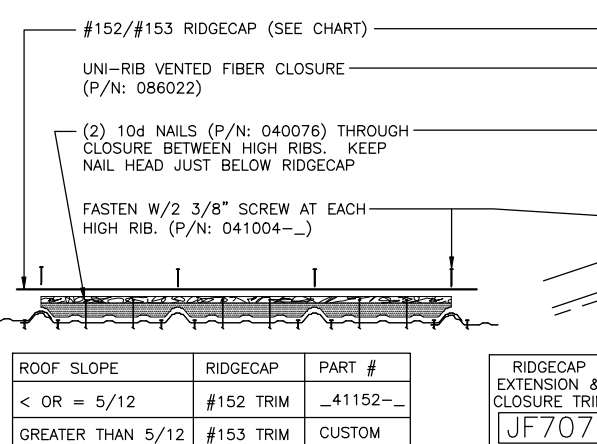
JF153 #672 FASCIA TRIM - SPLICE CONNECTION 3" 96 R1



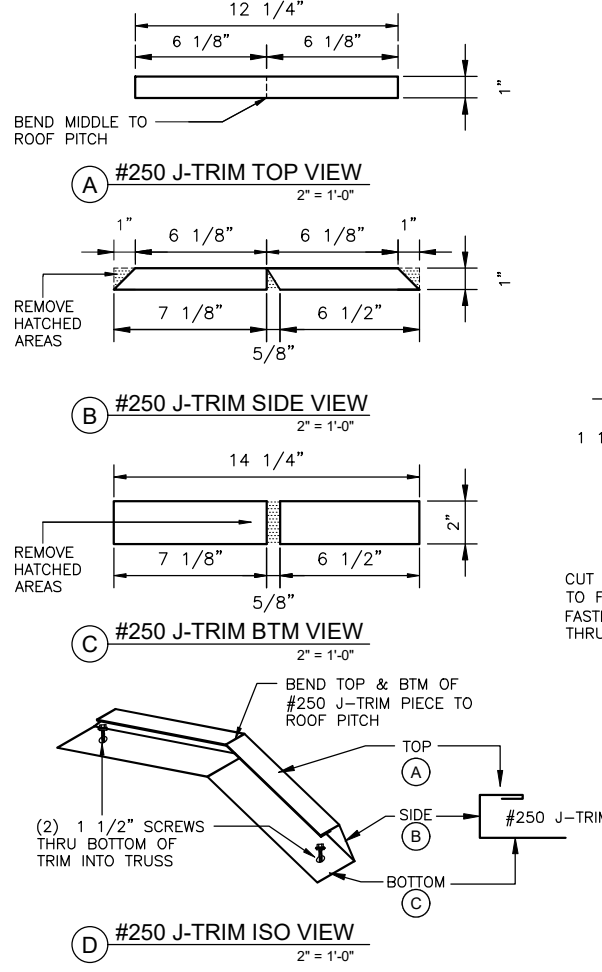
JF154 SW OVERHANG W/170 EAVE TRIM UNI-RIB ROOF FINISH & FLASHING 3" 96 R9



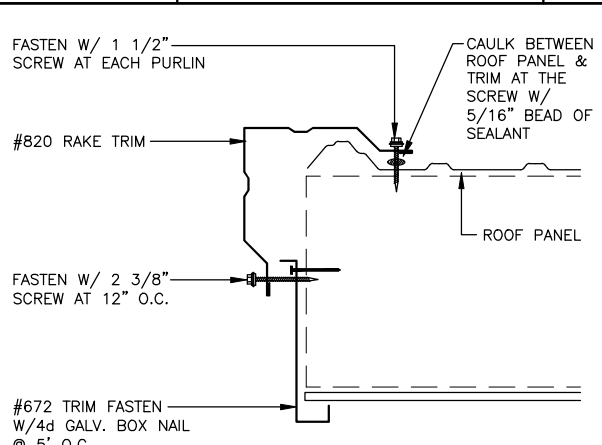
JF330 #820 RAKE TRIM CONNECTION UNI-RIB ROOF FINISH & FLASHING 3" 96 R5



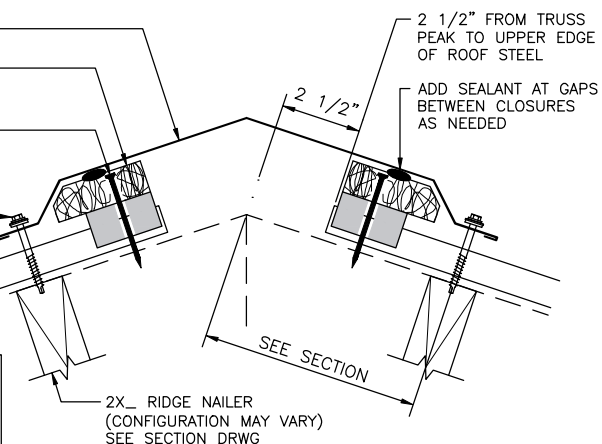
JF708 CONTINUOUS VENTED RIDGE - GABLE ROOF UNI-RIB ROOF VENTILATION 3" 96 R8



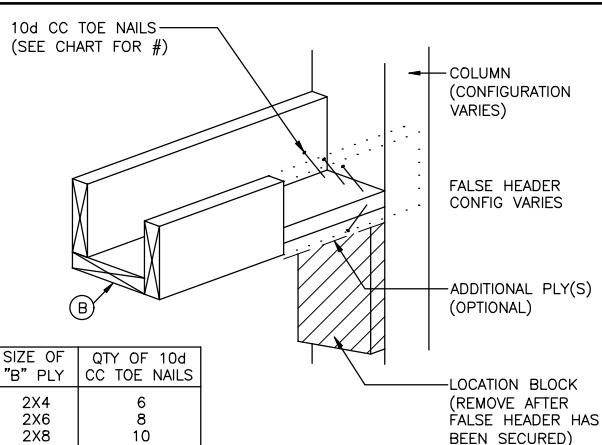
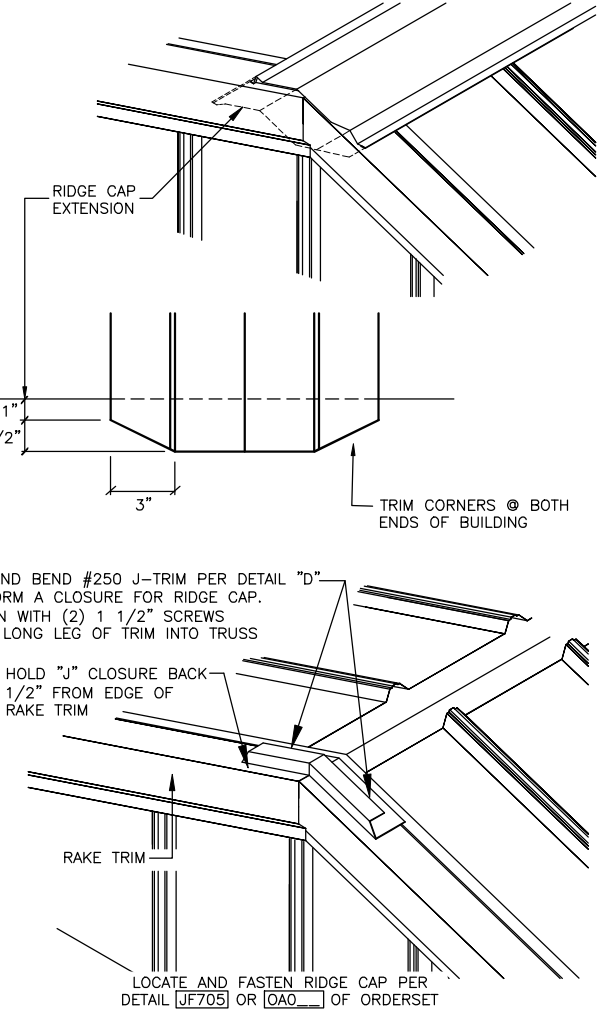
JF707 GABLE END CLOSURE ON GABLE ROOF RIDGECAP END CONDITION 2" 64 R4



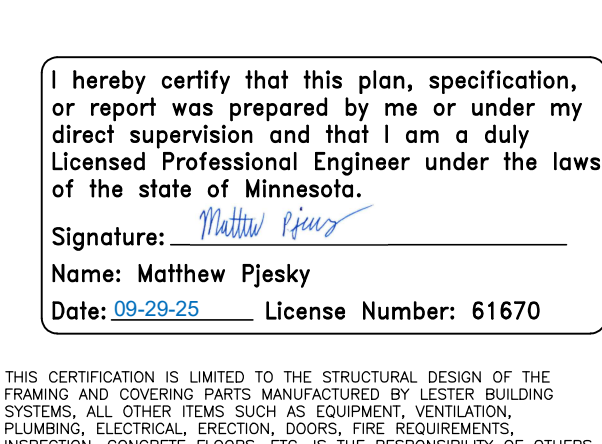
LK247 FALSE HEADER TO COLUMN CONN. HEADER FRAMING 1" 32 R1



JF707 RIDGECAP EXTENSION & CLOSURE TRIM 2" 64 R4



LK247 FALSE HEADER TO COLUMN CONN. HEADER FRAMING 1" 32 R1



DA003 ENG STAMP BOX - STRUCTURAL DESIGN FULL 384 R2

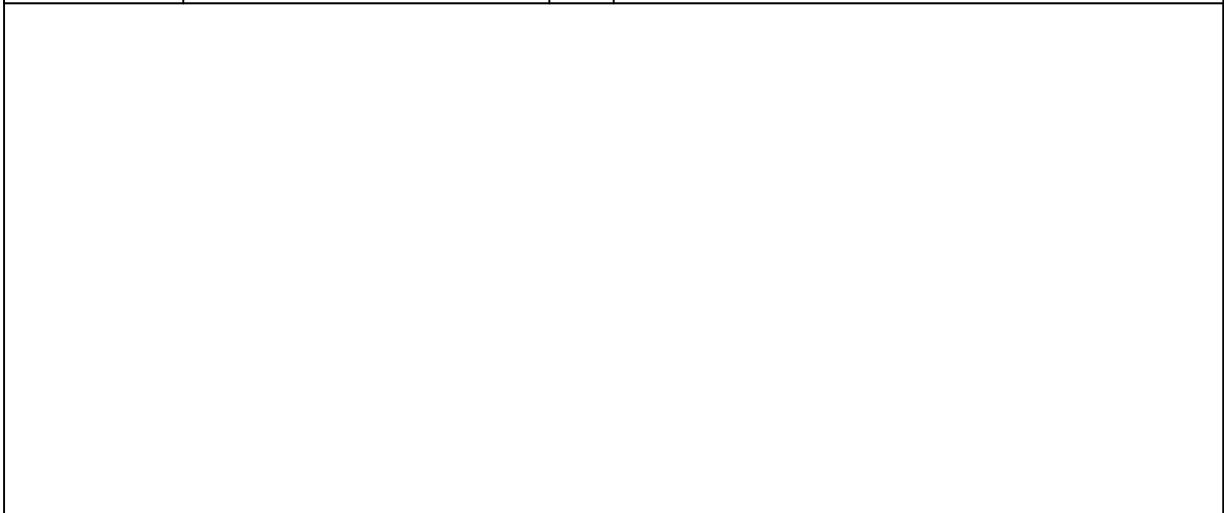
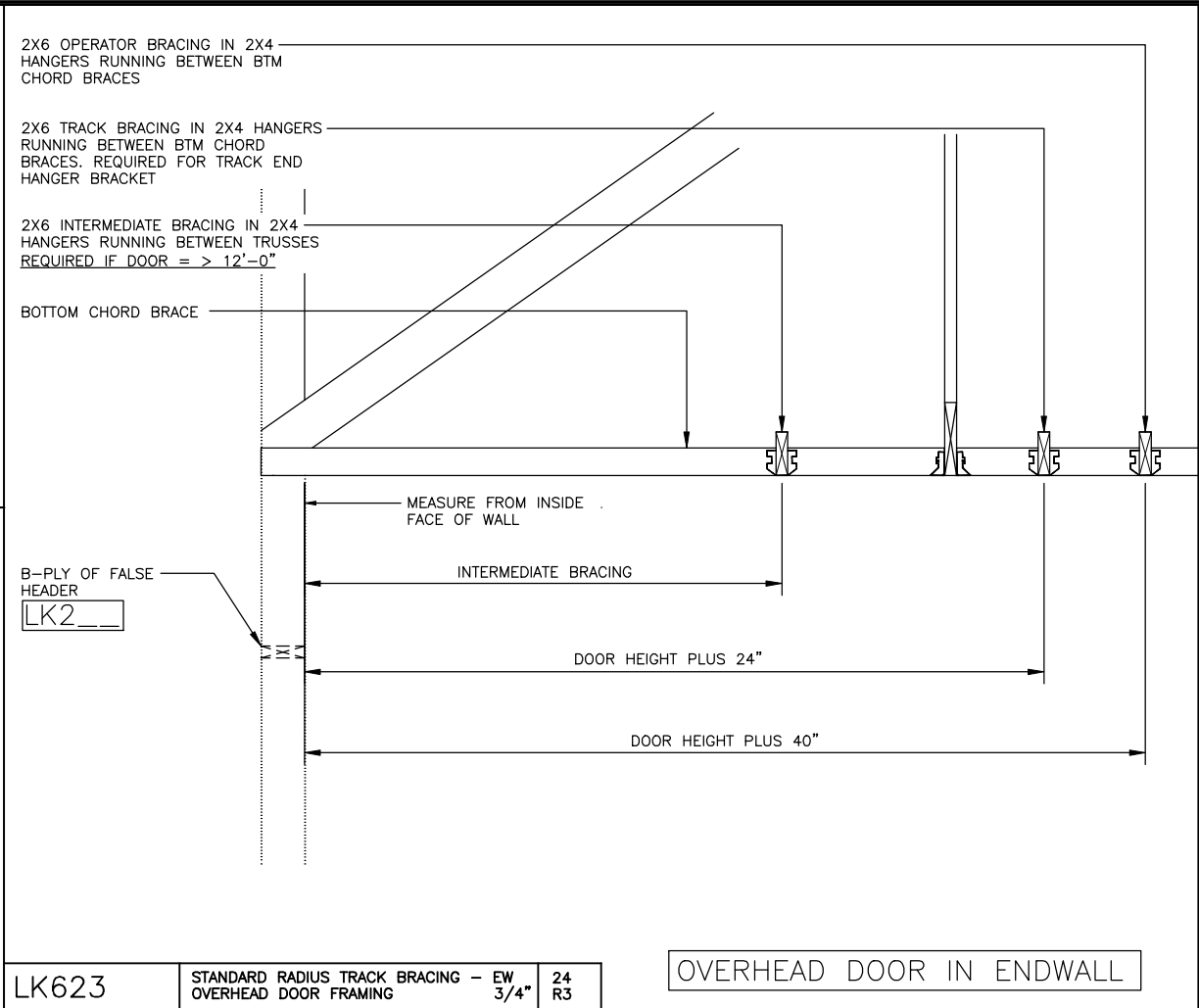
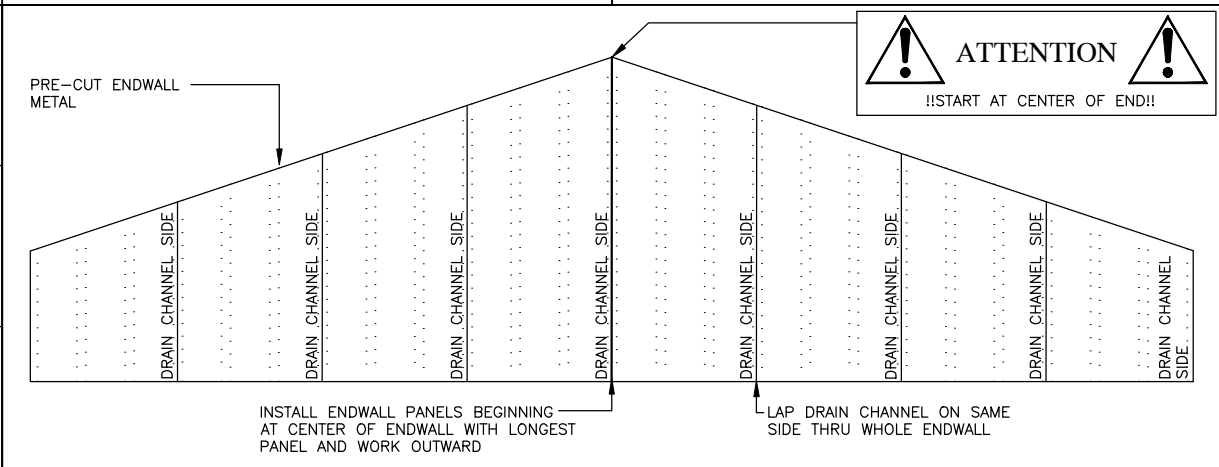
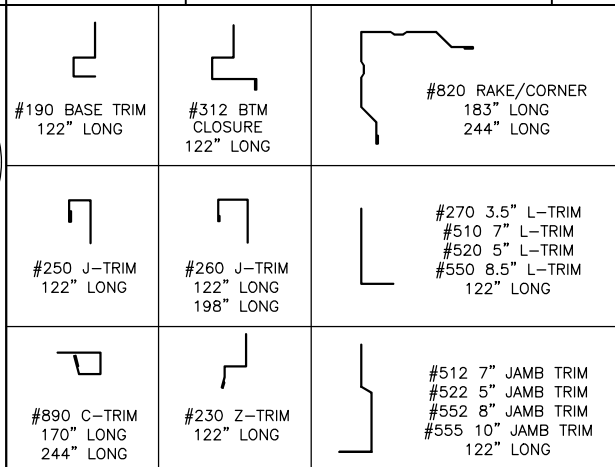
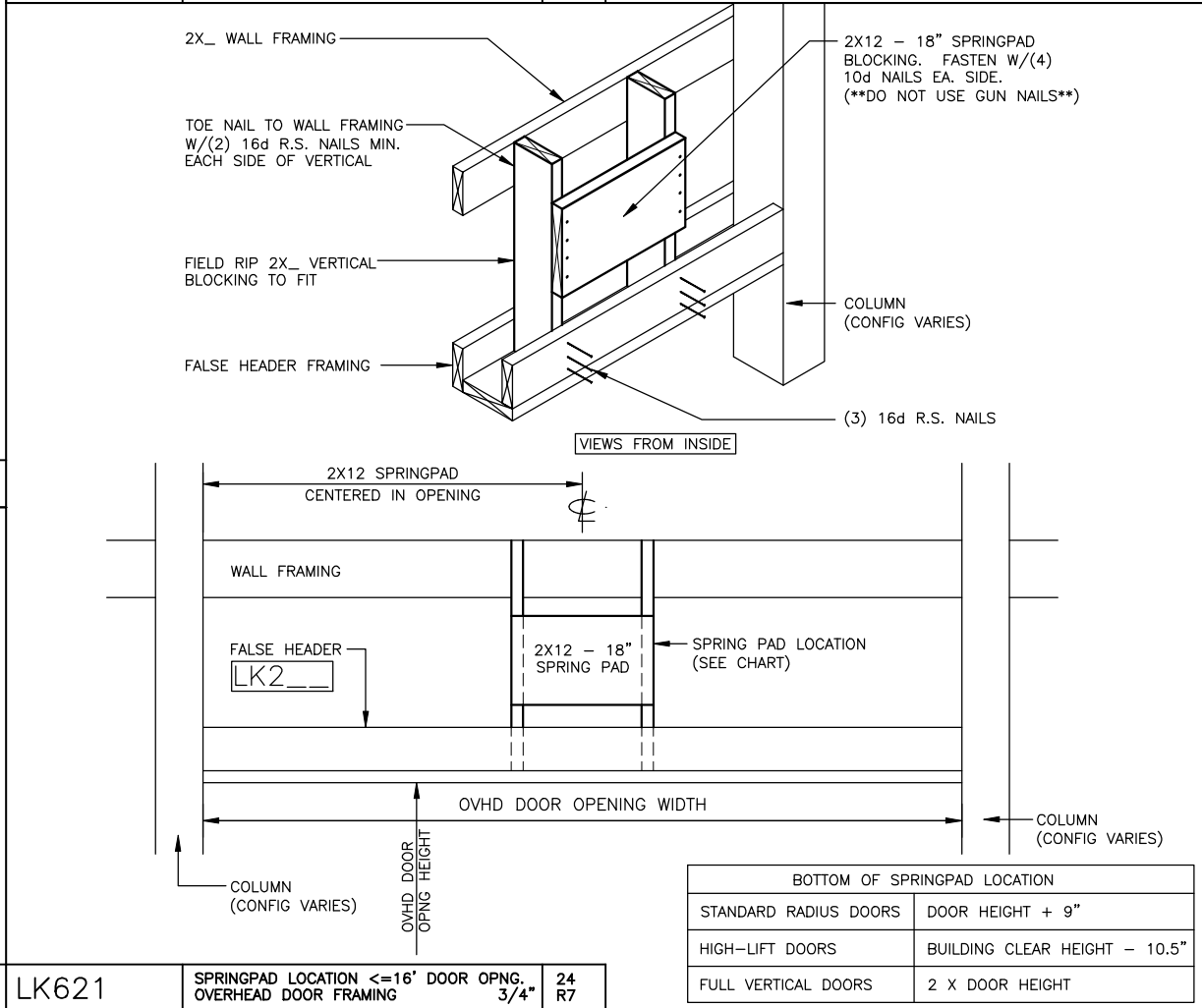
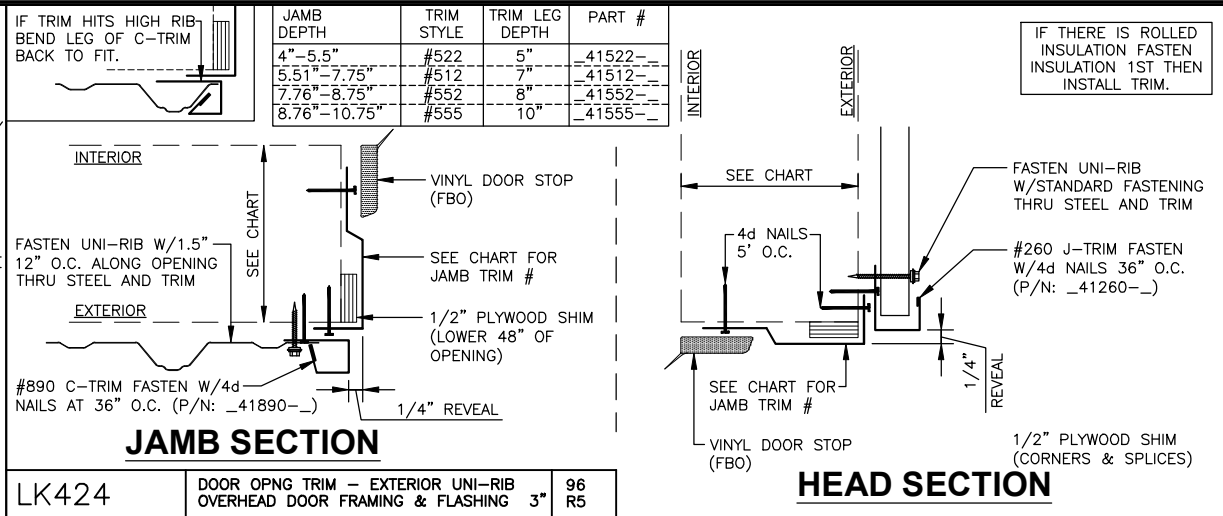
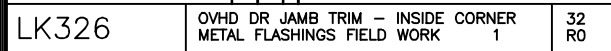
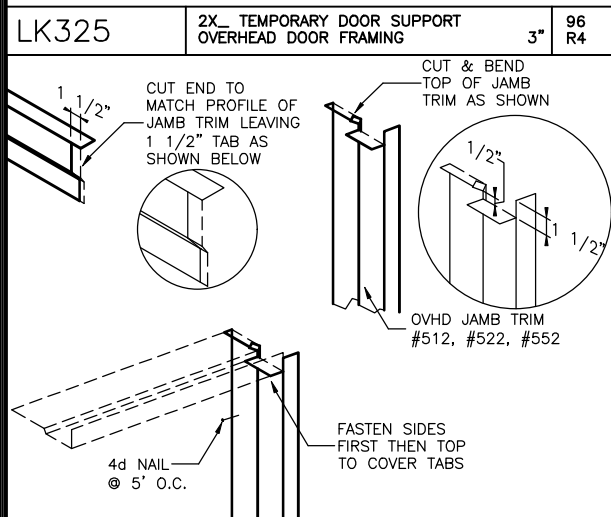
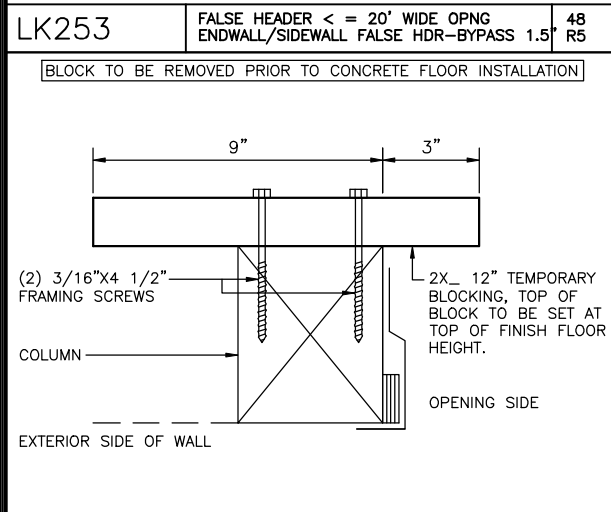
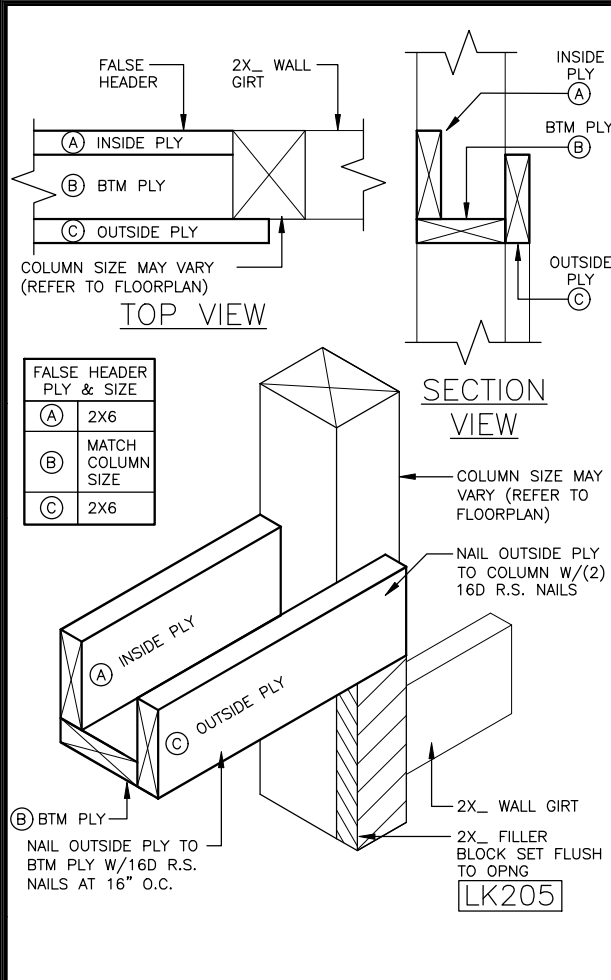
I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota.

Signature: Matthew Pjesky

Name: Matthew Pjesky

Date: 09-29-25 License Number: 61670

THIS CERTIFICATION IS LIMITED TO THE STRUCTURAL DESIGN OF THE FRAMING AND COVERING PARTS MANUFACTURED BY LESTER BUILDING SYSTEMS, ALL OTHER ITEMS SUCH AS EQUIPMENT, VENTILATION, PLUMBING, ELECTRICAL, ERECTION, DOORS, FIRE REQUIREMENTS, INSULATION, CONCRETE FLOORS, ETC. IS THE RESPONSIBILITY OF OTHERS.



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Signature: *Matthew Pjesky*

Name: Matthew Pjesky

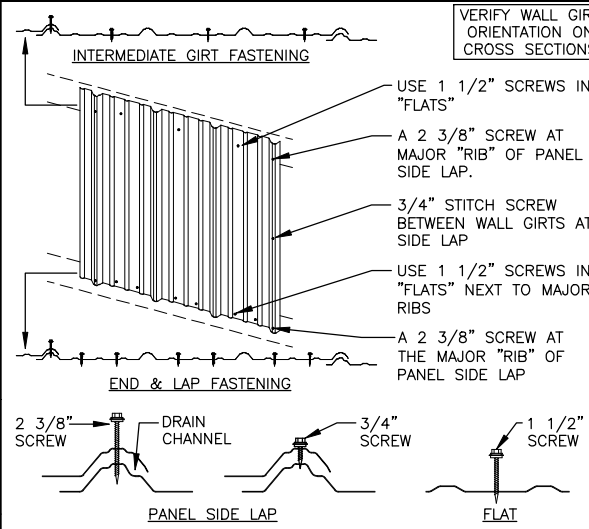
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DA003

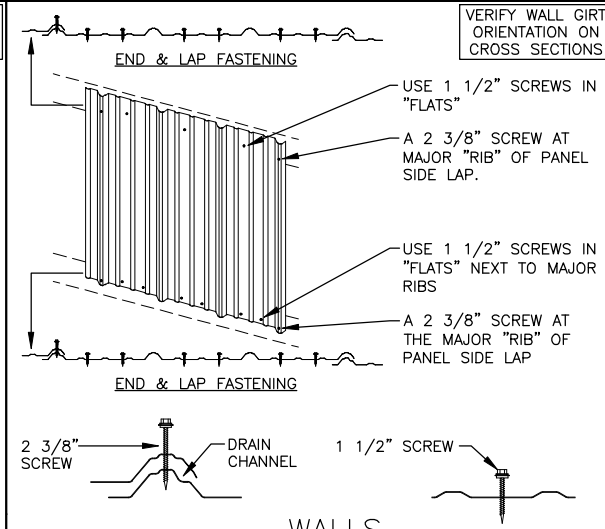
ENG STAMP BOX - STRUCTURAL DESIGN FULL

384 R2



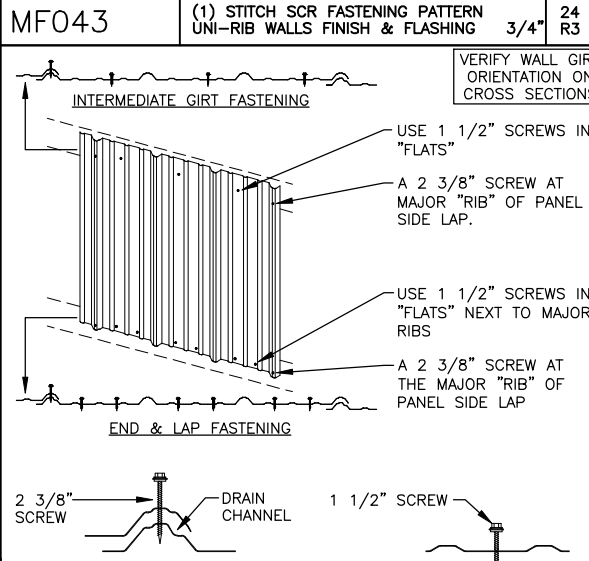
WALLS

- APPLICATION OF UNI-RIB PANELS WITH SCREWS
- * USE 1 1/2" HWH EPDM AT "FLATS" OF PANEL. DO NOT OVER TIGHTEN. (P/N: 041003 W/SUFFIX RANGE)
 - * USE 2 3/8" HWH EPDM AT MAJOR "RIB" OF PANEL. DO NOT OVER TIGHTEN. (P/N: 041004 W/SUFFIX RANGE)
 - * USE 3/4" HWH EPDM STITCH SCREW BETWEEN WALL GIRTS AT ALL LAP JOINTS. (P/N: 041005 W/SUFFIX RANGE)
 - * AT INTERMEDIATE GIRTS CONNECTIONS, LOCATE SCREWS INSIDE "FLATS", AND AT THE MAJOR "RIB" OF PANEL.
 - * AT PANEL LAP SPLICES AND AT THE ENDS, LOCATE SCREWS IN "FLATS" NEXT TO MAJOR RIBS, AND ON MAJOR "RIB" OF PANEL SIDE LAP.
 - * PROVIDE A MINIMUM GAP OF 1/8" BETWEEN ANY HORIZONTAL SURFACE AND THE BOTTOM OF THE UNI-RIB PANEL



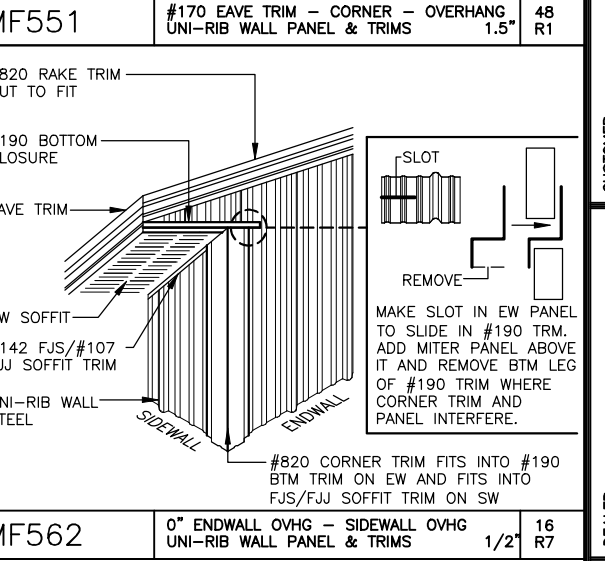
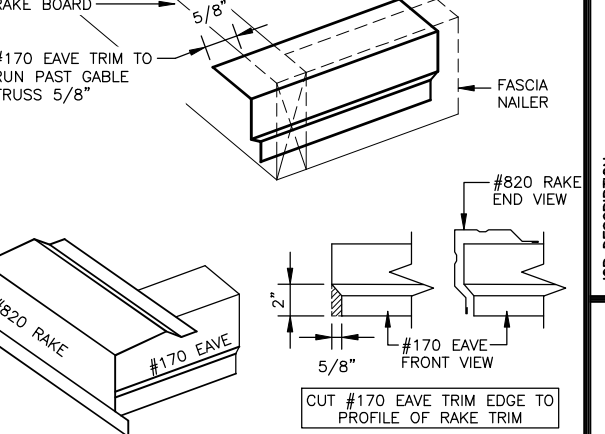
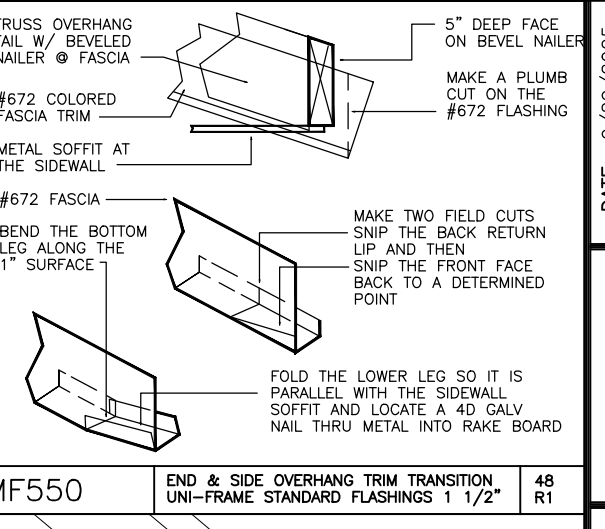
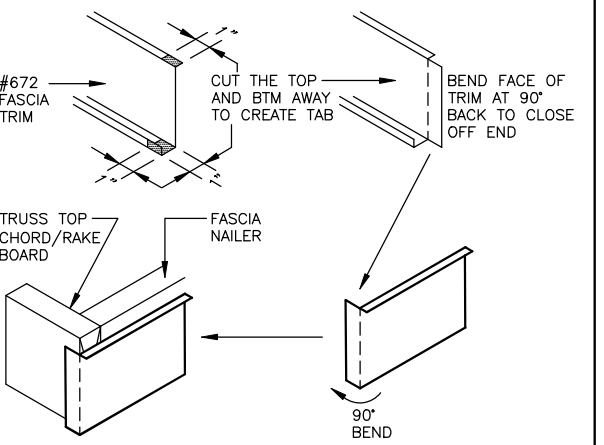
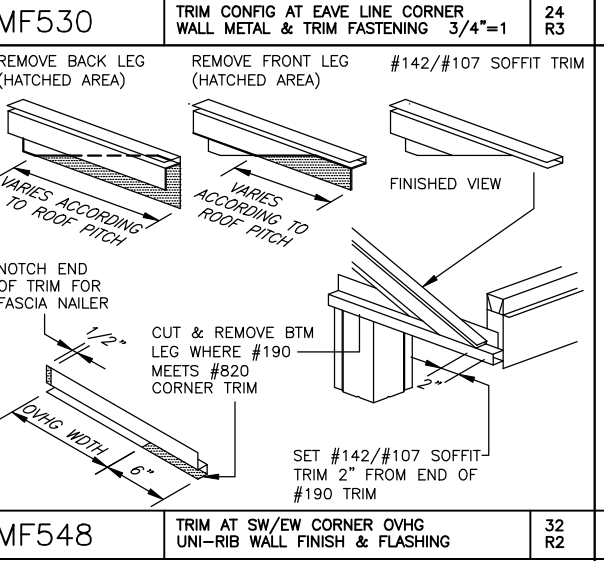
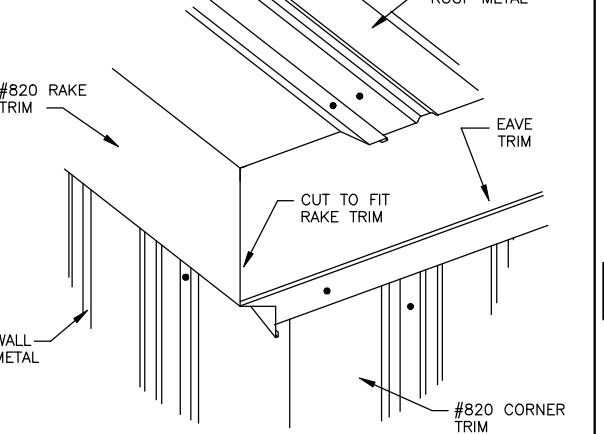
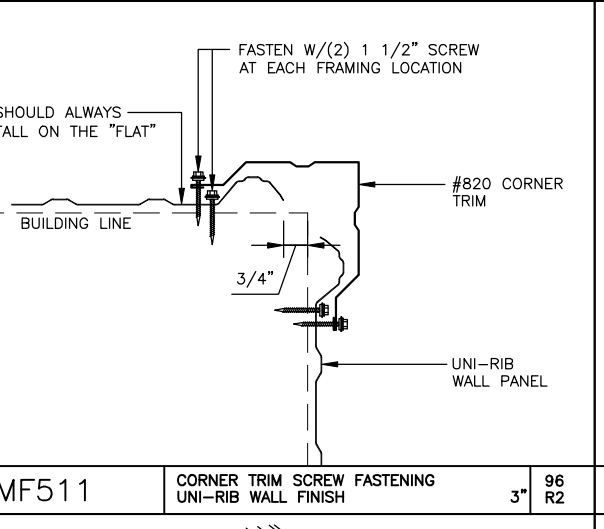
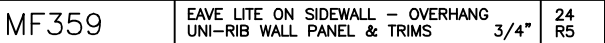
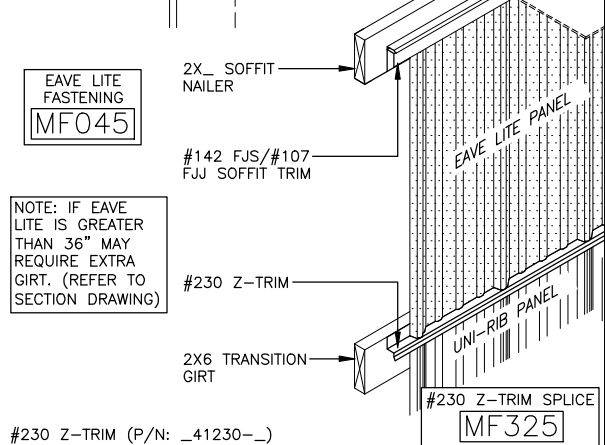
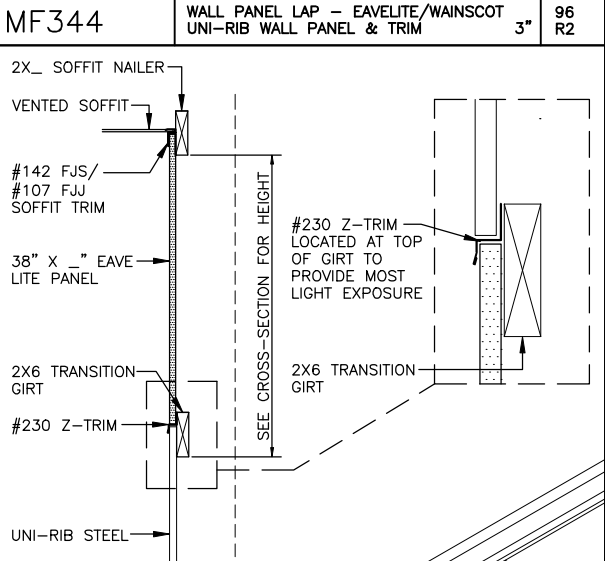
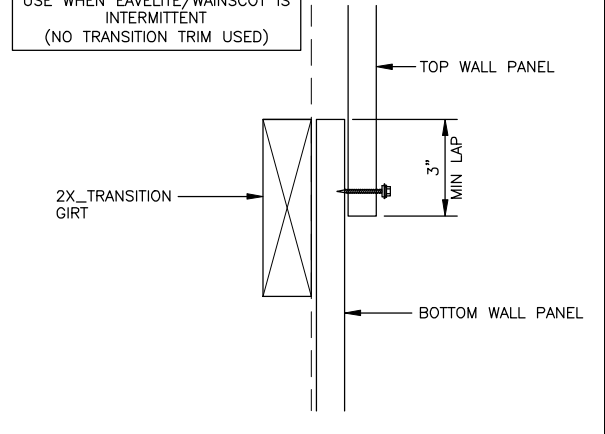
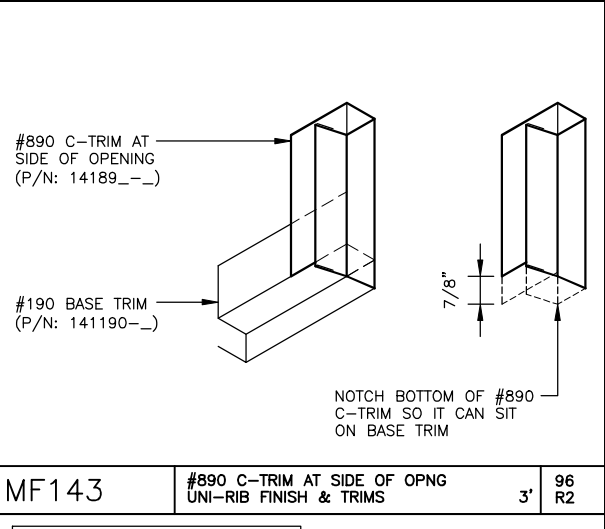
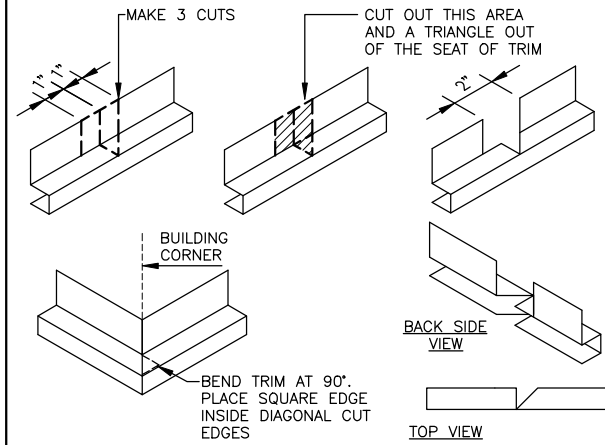
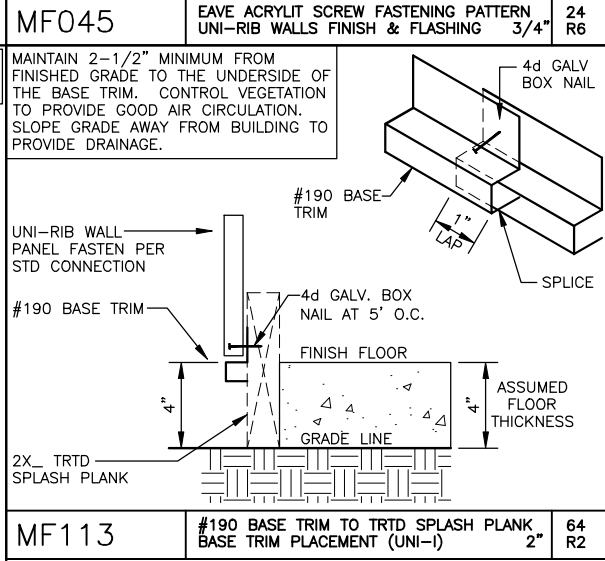
WALLS

- APPLICATION OF UNI-RIB ACRYLIT PANELS WITH SCREWS
- * USE 1 1/2" HWH EPDM AT "FLATS" OF PANEL. DO NOT OVER TIGHTEN. (P/N: 041003-100)
 - * USE 2 3/8" HWH EPDM AT MAJOR "RIB" OF PANEL. DO NOT OVER TIGHTEN. (P/N: 041004-100)
 - * AT INTERMEDIATE GIRTS CONNECTIONS, LOCATE SCREWS INSIDE "FLATS", AND AT THE MAJOR "RIB" OF PANEL.
 - * AT PANEL LAP SPLICES AND AT THE ENDS, LOCATE SCREWS IN "FLATS" NEXT TO MAJOR RIBS, AND ON MAJOR "RIB" OF PANEL SIDE LAP.
 - * PROVIDE A MINIMUM GAP OF 1/8" BETWEEN ANY HORIZONTAL SURFACE AND THE BOTTOM OF THE UNI-RIB PANEL
 - * PRIOR TO PANEL APPLICATION, AVOID WALKING ON MAJOR "RIBS" IN ORDER TO PREVENT DAMAGE.



WALLS

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 - * PRIOR TO PANEL APPLICATION, AVOID WALKING ON MAJOR "RIBS" IN ORDER TO PREVENT DAMAGE.



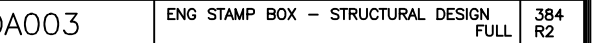
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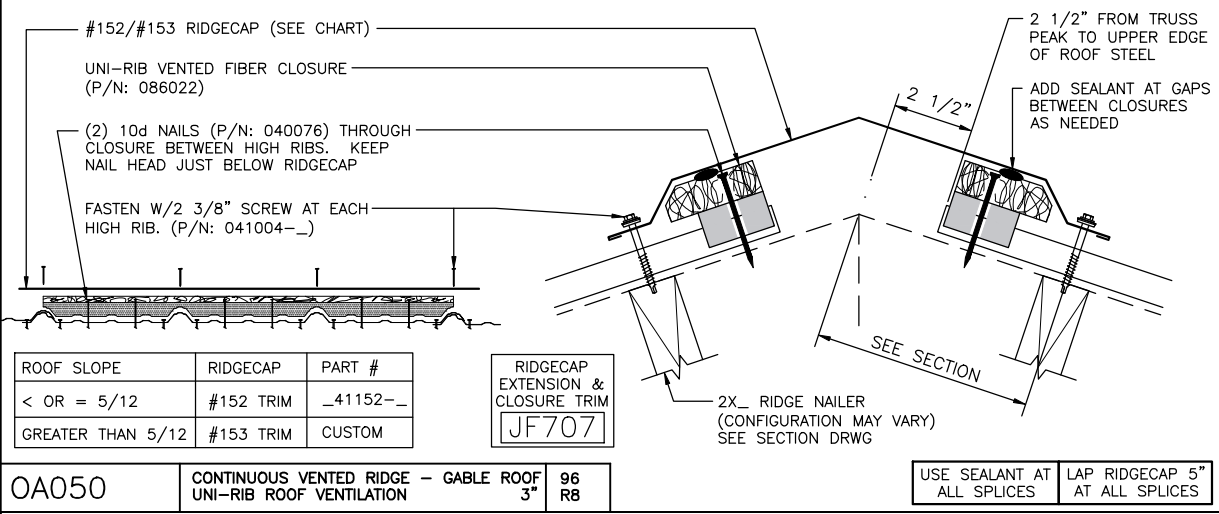
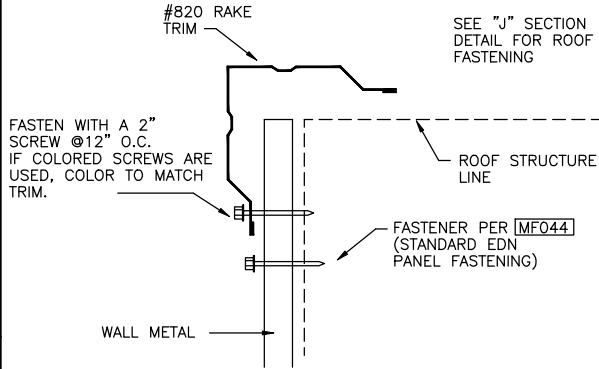
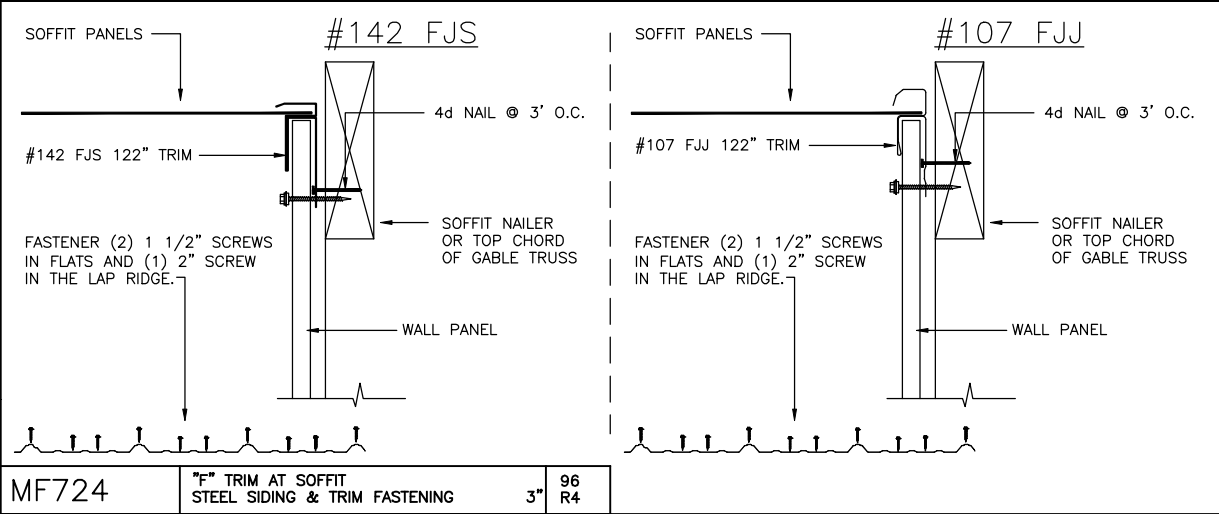
Signature: *Matthew Pjesky*

Name: Matthew Pjesky

Date: 09-29-25 License Number: 61670

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Name: Matthew Pjesky

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DATE: 9/29/2025	JOB-NUMBER 633954	SHEET 15 OF 15
DRWN BY: Amanda x5235	CHKD BY:	REV NO: 0
JOB DESCRIPTION: 30'x70'x20'		
CUSTOMER: R. Henry Construction, Inc. 101 Power Dr Mankato, MN 56001		
DEALER: Jennifer Wight 25434 Cedar Lane New Prague, MN 56071	LESTER BUILDING SYSTEMS, LLC. TOLL-FREE: 800-826-4439 See Titleblock DRWN BY for Extension	