Buildings

Steel

Toro 801 E B

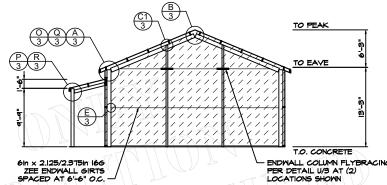
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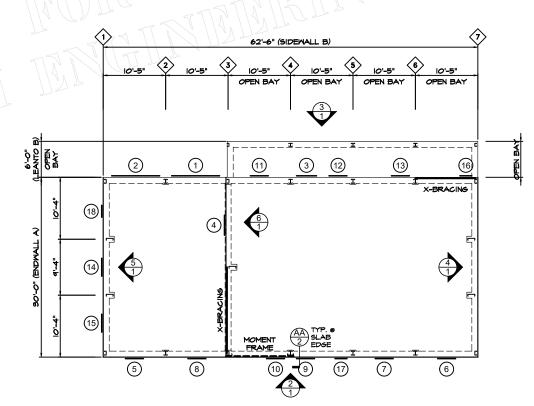
VNUJ98779926

TO PEAK TO EAVE T.O. CONCRETE - ENDWALL COLUMN FLYBRACING PER DETAIL U/3 AT (2) LOCATIONS SHOWN

# ENDWALL 'A' INTERIOR ELEVATION



#### ENDWALL 'B' INTERIOR ELEVATION SCALE: 1/8" = 1'-0"



BOTTOM OF WALL SIDING) WITH I/4in X I 1/4in NAIL DRIVE MASONRY ANCHOR ANCHORS AT 37.1" O.C. (6" MAX. FROM ANY END).

## 1 FOUNDATION PLAN

1 | scale: 1/8" = 1'-0"

R P 3 3 opp.opp.

TO PEAK

TO EAVE

T.O. CONCRETE

- ENDWALL COLUMN FLYBRACING PER

DETAIL U/S

- 6in × 2.125/2.375in 16G ZEE PARTITION UNDER

ROOF FRAME 3 GIRTS

PARTITION WALL INTERIOR ELEVATION

ROOF PURLINS PER ROOF FRAMING PLAN 1/2

GIRT FLANGE BRACING PER SCHEDULE AND

MOMENT

1

2

- COLUMN FLYBRACING PER

 $^{m{2}}$  sidemall 'a' exterior elevation

ROOF PURLINS PER ROOF FRAMING PLAN 1/2

 $\begin{pmatrix} Z \\ 4 \end{pmatrix}$ 

<sup>/</sup> SCALE: |/8" = |'-0"

4in x 2/2in 146 ZEE MAIN

SCALE: 1/8" = 1'-0"

BUILDING SIDEMALL GIRTS SPACED AT 6'-71/2" O.C.

 $\bigcirc$  Sidemall 'B' exterior elevation

COLUMN FLYBRACING PER DETAIL U/3

4in x 2/2in I46 ZEE SIDEWALL GIRTS

SPACED AT 6'-71/2" O.C

GIRT FLANGE BRACING

GIRT FLANGE BRACING PER SCHEDULE AND

DETAIL N/S

SCALE: 1/8" = 1'-0"

X-BRACING PER DETAIL M/S

PER SCHEDULE AND DETAIL N/3

MAIN BUILDING X-BRACING PER DETAIL M/3 -

DISCLAIMER, THIS BUILDING AS DESIGNED DOES NOT PASS REQUIRED ENGINEERING CHECKS, BUILDING MAY NOT BE ABLE TO BE CONSTRUCTED AS PRESENTED ON THESE PRELIMINARY PLANS, CUSTOM ENGINEERING WILL BE REQUIRED.

6in × 2.125/2.375in 166 ZEE ENDWALL GIRTS

NOTE: USE  $\frac{1}{2}$ " X 3" DEWALT 'SCREW-BOLT+' ANCHOR IN  $\frac{3}{2}$ " DEEP HOLES AT ANCHOR LOCATIONS PER BASE DETAILS F/3 AND SI/3, INSTALLED PER ICC REPORT ESR-3889, SECTION 4.3.

NOTE: SEE "FRAME CROSS-SECTION" DETAILS ON SHEET 2 FOR SPECIFIC FRAME DETAIL INFORMATION.

NOTE: EXCEPT AT DOOR OPENINGS, INSTALL L4x2x16G ANGLE TO FOUNDATION (FOR ATTACHMENT OF

| PORTAL FRAME (HORZ): | L/100 (B |
|----------------------|----------|
| PORTAL FRAME (VERT): | L/240 (E |
| PURLINS:             | L/240 (E |
| GIRTS:               | L/240 (E |
| EM MIND COLUMNS:     | L/240 (E |
| MALL PANEL:          | L/240 (E |

SCALE: 1/8" = 1'-0" FRAME #I

| DOOR    | MIDTH | HEIGHT | TYPE           | GIRT           | JAME        |
|---------|-------|--------|----------------|----------------|-------------|
| 1-2     | 8'-0" | 10'-0" | SECTIONAL DOOR | SEE<br>NOTE #4 | C4X2<br>XI6 |
| 3       | 3'-4" | 7'-4"  | PERSONNEL DOOR | SINGLE         | CHN4<br>2XI |
| 4       | 3'-4" | 7'-4"  | PERSONNEL DOOR | SINGLE         |             |
| (5-7)   | 3'-0" | 4'-0"  | MINDOM         | SEE<br>NOTE #4 | C4X2<br>XI6 |
| 8-9     | 3'-0" | 4'-0"  | MINDOM         | SINGLE         | C4X2<br>XI6 |
| (10-13) | 3'-0" | 4'-0"  | MINDOM         | SINGLE         | CHN4<br>2XI |
| (14-15) | 3'-0" | 4'-0"  | MINDOM         | SINGLE         | CHN6<br>2XI |
| 16)     | 2'-0" | 2'-0"  | MINDOM         | SINGLE         | C4X2<br>XI6 |
| 17)     | 2'-0" | 2'-0"  | MINDOM         | SINGLE         | CHN4<br>2XI |
| 18)     | 2'-0" | 2'-0"  | MINDOM         | SINGLE         | CHN6<br>2XI |
| NOTES.  |       |        |                |                |             |

I) JAMB MEMBERS SHOWN AS "CHN" ARE CHANNEL MEMBERS (WITHOUT STIFFENER LIPS) AND THOSE SHOWN AS "C" ARE CEE MEMBERS, FIRST NUMBER IS WEB DEPTH IN INCHES, SECOND NUMBER IS FLANGE WIDTH IN INCHES, AND THIRD NUMBER IS MATERIAL THICKNESS (GAUGE). 2) SEE DETAILS J/3 AND K/3 FOR OPENING FRAMING INFORMATION.

3) SIZE OF HEADER GIRT MEMBER TO BE SAME AS SIDEWALL OR ENDWALL GIRT, AS APPROPRIATE, PER ELEVATIONS. AT MINDOWS, INSTALL HEADER GIRT SPECIFIED ABOVE AND BELON MINDOWS, UN.O. 4) AT OPENINGS NOTED, INSTEAD OF ATTACHING DOOR JAMBS TO HEADER GIRT PER DETAIL LI/3 ATTACH DOOR JAMBS TO UNDERSIDE OF EAVE PURLIN PER DETAIL L2/3 5) ALL OPENINGS AND ACCESSORIES SHALL BE CAPABLE OF SUPPORTING ALL WIND PRESSURES PERPENDICULAR TO THE SURFACE (GENERATED BY WINDS AT THE SPEED AND EXPOSURE INDICATED ABOVE) BY SPANNING BETWEEN THE

### **DEFLECTION LIMITS**

BRN) BRN) BRN) (BRN)

PROJECT DESIGN CRITERIA GOVERNING CODE: IBC 2018 RISK CATEGORY: II ROOF DEAD LOAD: 3 psf ROOF COLLATERAL LOAD: 2 psf

GROUND SNOW LOAD: 50 psf Ct = 1.0 ROOF SNOW LOAD: 35 pst ROOF LIVE LOAD: 20 psf (REDUCIBLE) WIND ENCLOSURE: ENCLOSED

IMPORTANT: IN ADDITION TO THESE PLANS (WHICH ALWAYS TAKE PRECEDENCE)

YOU SHOULD HAVE THE FOLLOWING FROM

PLEASE CONTACT YOUR SALES REP IF YOU HAVE NOT RECEIVED THESE PRIOR TO

- CONSTRUCTION PACKAGE

- INSTALLATION MANUALS

- CONSTRUCTION VIDEOS

MIND SPEED: 106 mph WIND EXPOSURE: C Ss: 0.083 Sds: 0.089

ACT BUILDING SYSTEMS:

STARTING CONSTRUCTION.

SI: 0.046 Sdl: 0.074 SEISMIC DESIGN CATEGORY: B R transverse: 3 R longitudinal: 3 SOIL BEARING PRESSURE: 1500 psf

WIND DESIGN OF LATERAL FORCE-RESISTING SYSTEMS IS BASED ON THE DIRECTIONAL DESIGN PROCEDURE OF ASCE 7-16, CHAPTER 27

SEISMIC DESIGN OF LATERAL FORCE-RESISTING SYSTEMS ARE AS FOLLOWS.

-- TRANSVERSE: ORDINARY STEEL MOMENT FRAME (SEISMIC DESIGN IS BASED ON ASCE 07-16, SECTIONS [2.1 - 12.13)

-- LONGITUDINAL: ORDINARY STEEL BRACED FRAME, (SEISMIC DESIGN IS PERFORMED USING THE SIMPLIFIED DESIGN PROCEDURE (ASCE 07-16, SECTION 12.14).

### COMPONENT DIAGRAM

| 6 |                      |               |                   |  |  |
|---|----------------------|---------------|-------------------|--|--|
|   | <u>CEE</u><br>FLANGE | ZEE<br>FLANGE | CHANNEL<br>FLANGE |  |  |
|   |                      | IER LIP       | NOTED OTHERWISE   |  |  |
|   |                      |               |                   |  |  |

# WALL OPENING SCHEDULE

| 200.1  |       |        | ···· <b>-</b>  | GIRT           |               |
|--------|-------|--------|----------------|----------------|---------------|
| 1-2    | 8'-0" | 10'-0" | SECTIONAL DOOR | SEE<br>NOTE #4 | C4X2<br>XI6   |
| 3      | 3'-4" | 7'-4"  | PERSONNEL DOOR | SINGLE         | CHN4.<br>2XIE |
| 4      | 3'-4" | 7'-4"  | PERSONNEL DOOR | SINGLE         |               |
| (5-7)  | 3'-0" | 4'-0"  | MINDOM         | SEE<br>NOTE #4 | C4X2<br>XI6   |
| 8-9    | 3'-0" | 4'-0"  | MINDOM         | SINGLE         | C4X2<br>XI6   |
| 10-13  | 3'-0" | 4'-0"  | MINDOM         | SINGLE         | CHN4<br>2XI6  |
| 14-15  | 3'-0" | 4'-0"  | MINDOM         | SINGLE         | CHN6          |
| 16     | 2'-0" | 2'-0"  | MINDOM         | SINGLE         | C4X2<br>XI6   |
| 17     | 2'-0" | 2'-0"  | MINDOM         | SINGLE         | CHN4<br>2XI6  |
| 18     | 2'-0" | 2'-0"  | MINDOM         | SINGLE         | CHN6          |
| NOTES: |       |        |                |                |               |

WILL NOT FUR

NOILDINHLISNOD



JOB NAME:

8/20/2025

JOB NO. VNUJ98779926

62'-6" (SIDEWALL B) **6**> IO'-5" S 4 6in x 2.125/2.375in 166 ZEE LEANTO ROOF PURLINS SPACED AT 3'-116" O.C. 6in x 3.5in x 146 EAVE PURLIN PER DETAIL P/3 - 12" OVERHANGS AT MAIN BUILDING ENDMALLS PER DETAIL T/4 EAVE BRACE PER DETAIL P/3 AT (6) LOCATIONS SHOWN 6in x 2.125/2.3T5in 166 ZEE MAIN BUILDING ROOF PURLING SPACED AT 3'-47%" O.C. RAFTER FLYBRACING PER DETAIL U/3 AT (2) LOCATIONS SHOWN -

1 roof framing plan

2 SCALE: 1/8" = 1'-0"

### CONSTRUCTION PACKAGE FOR COLD FORMED STEEL BUILDING CREATED FOR 30X62 SHOP HOUSE JOB NUMBER 98779926



# Part of the Cornerstone Building Brands Family

#### **TABLE OF CONTENTS**

| Building Layout Plan  | <br>    | <br>  |        | 2       |
|-----------------------|---------|-------|--------|---------|
| Anchor Bolt Details   | <br>    | <br>  |        | 3       |
| Portal Frame Sections |         |       |        | 6       |
|                       |         |       |        | <u></u> |
| Roof Framing Plan     | <br>    | <br>  | ······ | 14      |
| Girt Layout           |         |       |        | 16      |
| Sheeting Layout       | <br>( ) | <br>/ | \      | . 22    |

### **CONSTRUCTION PACKAGE NOTES**

This construction package is to be used in conjunction with the created order for the job. All lengths and piece marks of materials in this package will correspond to an item in the order. For example, on the Sidewall A girt layout, there will likely be an item with a piece mark of SGA1. This will correspond to a line item in the order with the piece mark of SGA1. Products that do not include a piece mark will be marked with the product code.

All girt layout and sheeting layouts drawings in this construction package are exterior views, and in these illustrations, components are drawn as if viewed from the outside of the building.

All drawings in this construction package are for reference only, and are to be used to supplement the engineering drawings. If any discrepancies occur, the engineering plans will always take precedence.

### **CONSTRUCTION NOTIFICATIONS**

The following items will require non-typical installation that will take extra time and care during the construction process. Please take precautions.

- Leanto Rafter Connector is used in this building configuration. Where the main building has wall sheeting installed under the leanto roof the leanto framing should not be installed until after the main building wall sheeting is installed. Please see your engineering plans and Appendix B Leanto Rafter Installation for specific installation instructions and illustrations.
- Some opening headers in building do not match girt size in wall. In these cases standard header installation will
  not be possible and header will need to be rotated with web of header pointed to outside of building instead of
  pointing down.
- Some Items In order will need to be cut to length on site. Please see 'Notes' column In order for full list of Items to be cut and their lengths.

#### **IMPORTANT**

IN ADDITION TO THIS DOCUMENT, YOU SHOULD ALSO HAVE THE FOLLOWING BUILDING SPECIFIC DOCUMENTS FROM YOUR BUILDING REPRESENTATIVE:

- ENGINEERING PLAN - COPY OF THE ORDER

FOR MORE INFORMATION TO HELP MAKE COLD FORMED CONSTRUCTION EASIER, PLEASE SEE THE RELOWLINKS:





INSTALLATION MANUALS http://bit.ly/ACTInstallManuals



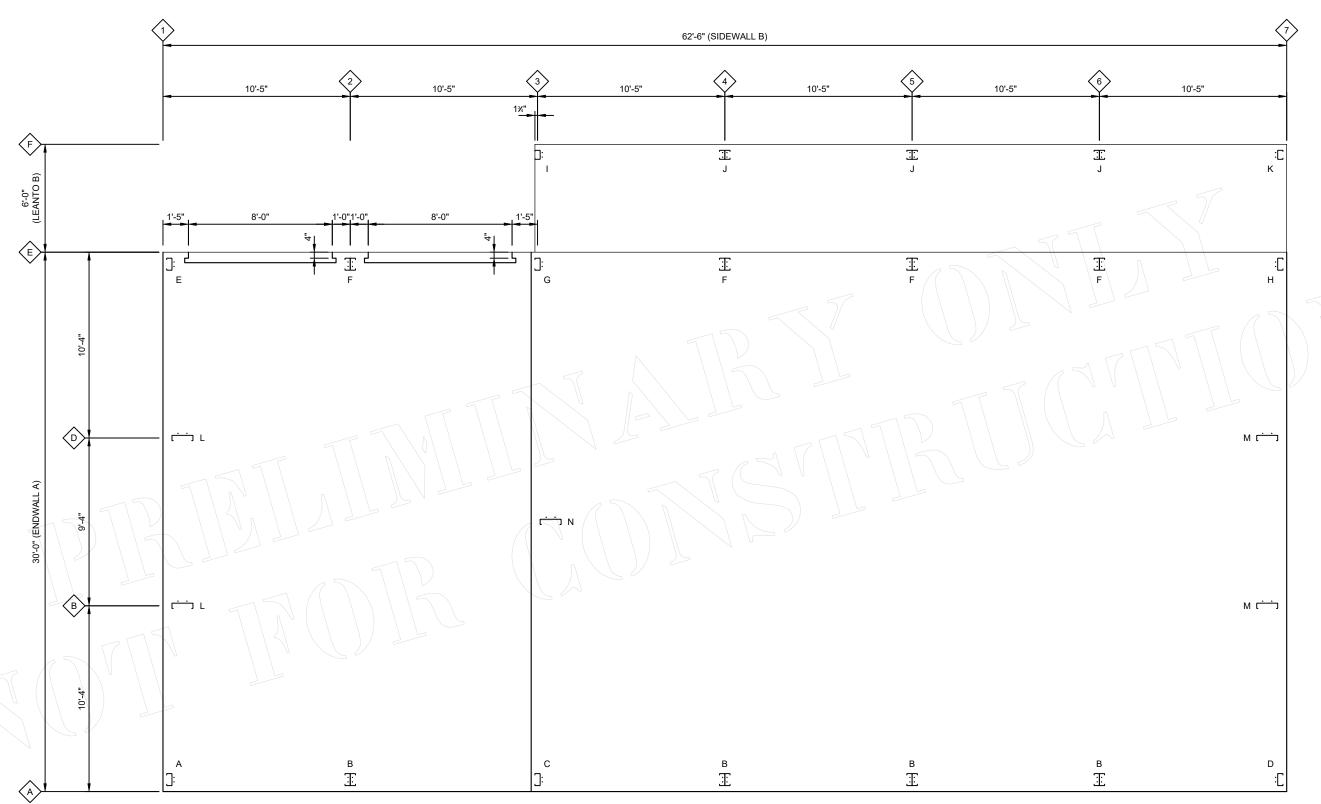


CONSTRUCTION VIDEOS http://bit.ly/ACTConstructionVids



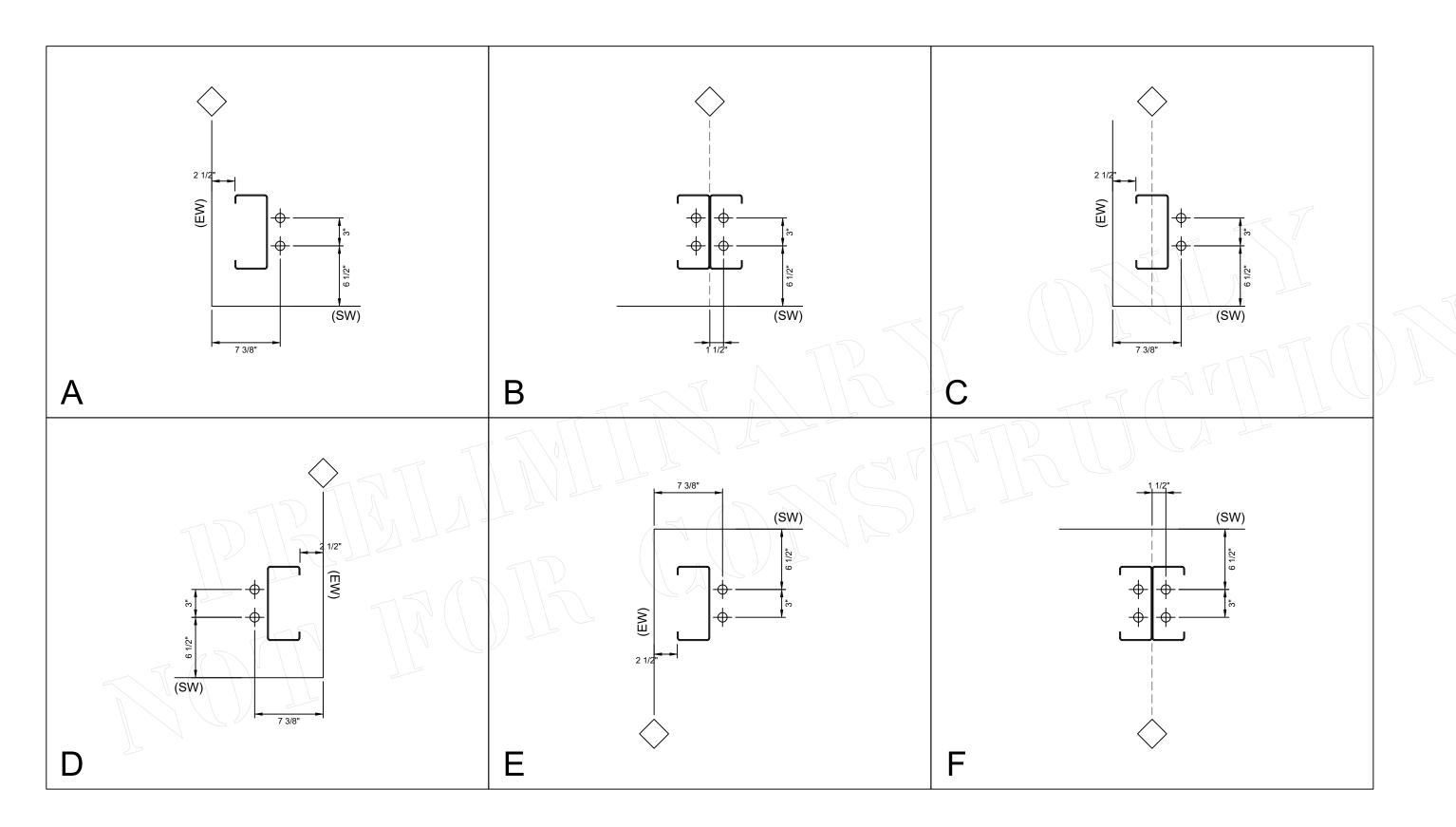


HINTS AND TIPS http://bit.ly/ACTConstructionTips

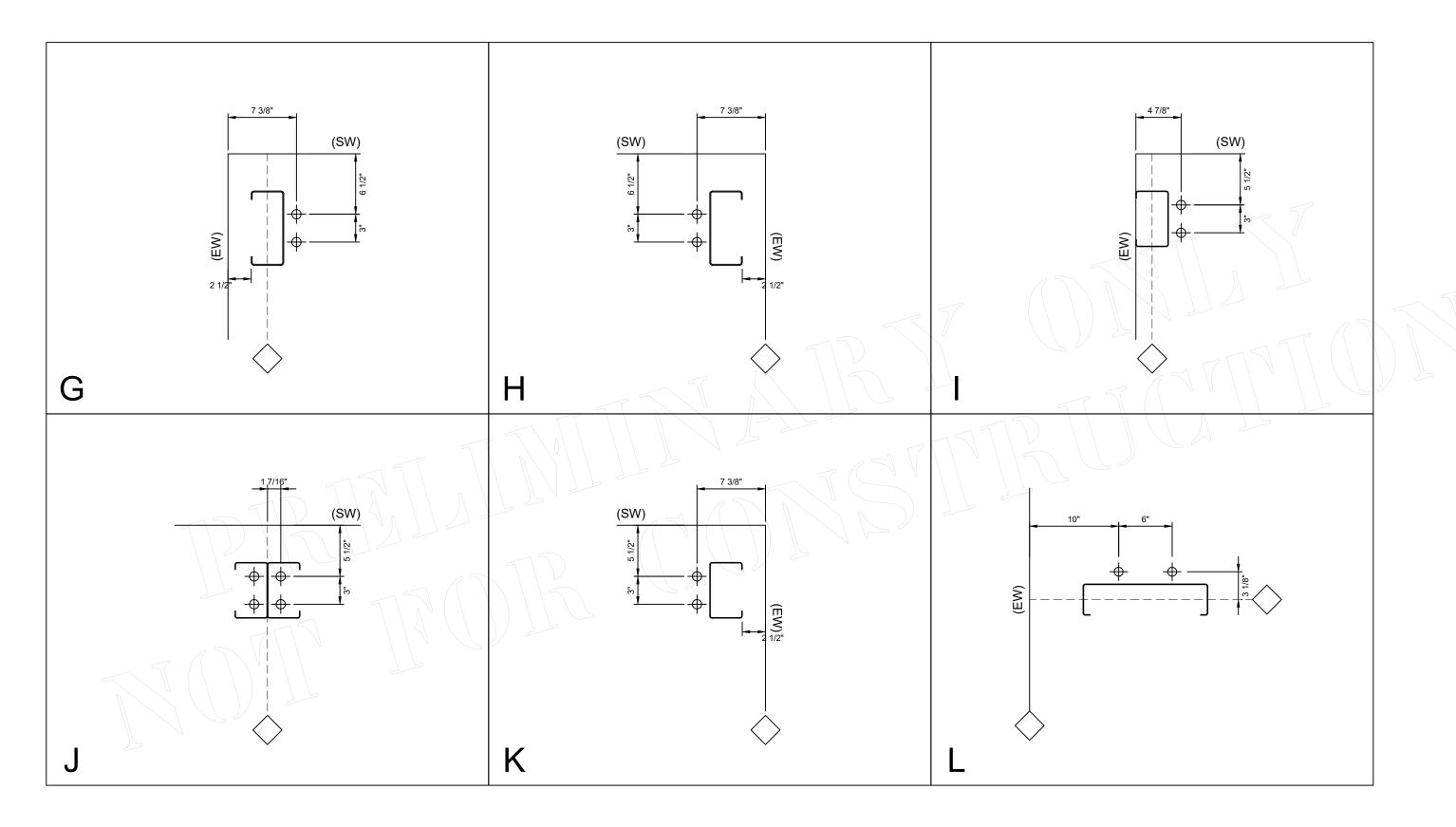


|     | ANCHOR BOLTS                    |     |
|-----|---------------------------------|-----|
| QTY | LOCATION                        | DIA |
| 60  | SIDEWALL COLUMNS                | 1/2 |
| 8   | ENDWALL COLUMNS                 | 1/2 |
| 2   | INTERNAL PARTITION WALL COLUMNS | 1/2 |
| 34  | DOOR JAMB                       | 1/2 |
| 11  | GIRT FLANGE BRACING             | 1/2 |
|     |                                 |     |



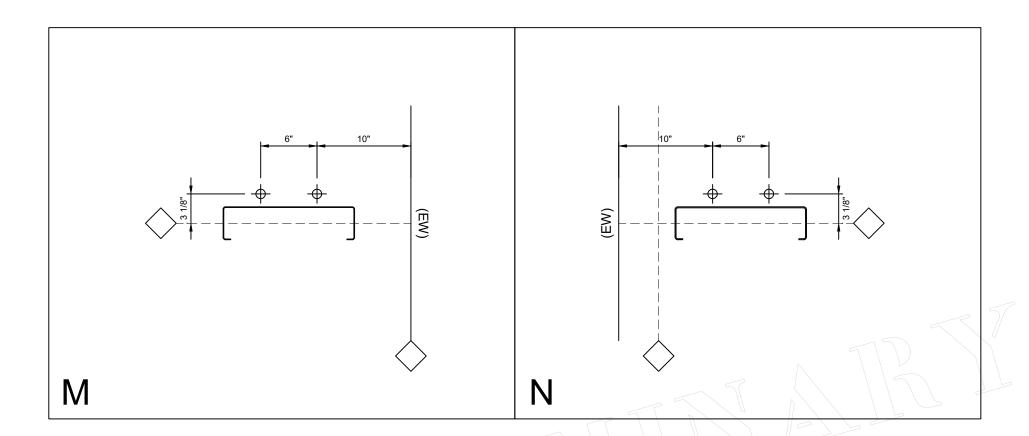














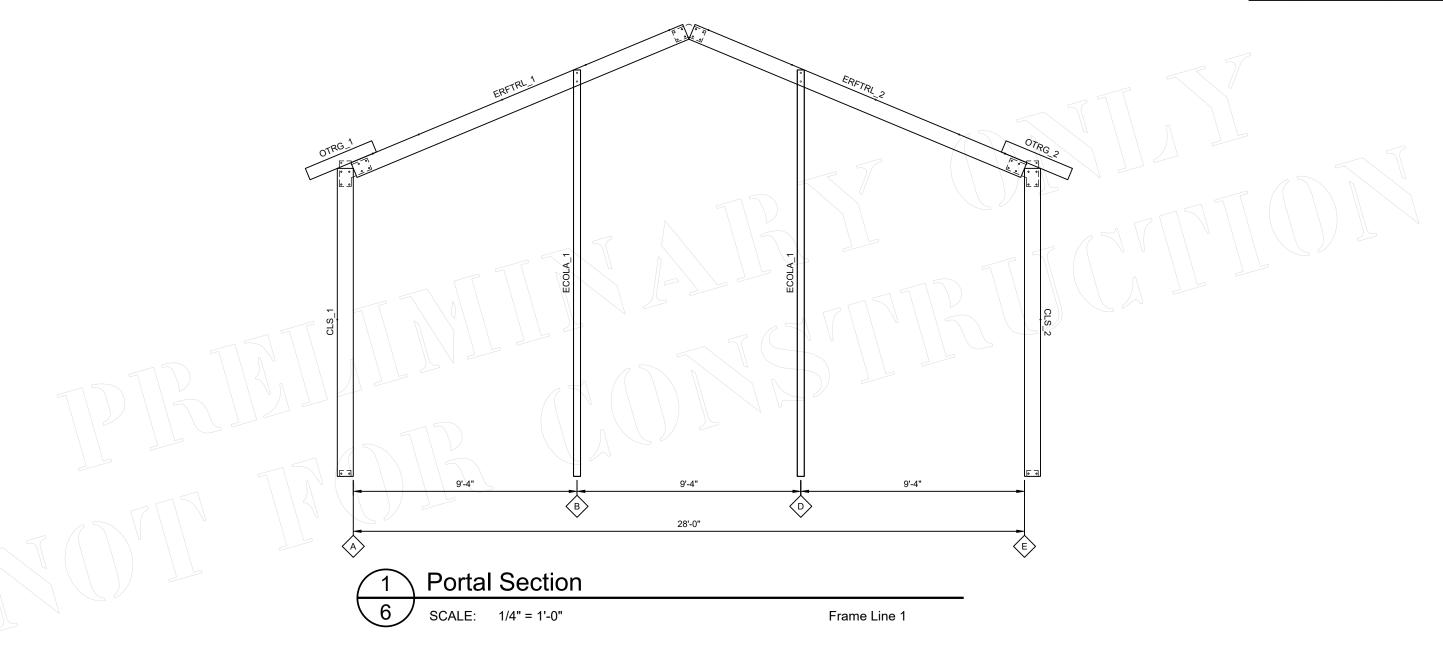
SHEET 5 of 28

JOBNO VNUJ98779926

DATE 8/20/2025 SCALE N/A



|          | MEMBER TABLE          |                 |  |  |
|----------|-----------------------|-----------------|--|--|
| Mark     | Product               | Length          |  |  |
| CLS_1    | 8" x 12ga. CEE        | 12' - 10 3/16"  |  |  |
| CLS_2    | 8" x 12ga. CEE        | 12' - 10 3/16"  |  |  |
| ECOLA_1  | 14" x 14ga. CEE       | 16' - 11 7/16"  |  |  |
| ERFTRL_1 | 8" x 12ga. CEE        | 14' - 11 15/16" |  |  |
| ERFTRL_2 | 8" x 12ga. CEE        | 14' - 11 15/16" |  |  |
| OTRG_1   | 6in x 2in 14G Channel | 3' - 0"         |  |  |
| OTRG_2   | 6in x 2in 14G Channel | 3' - 0"         |  |  |

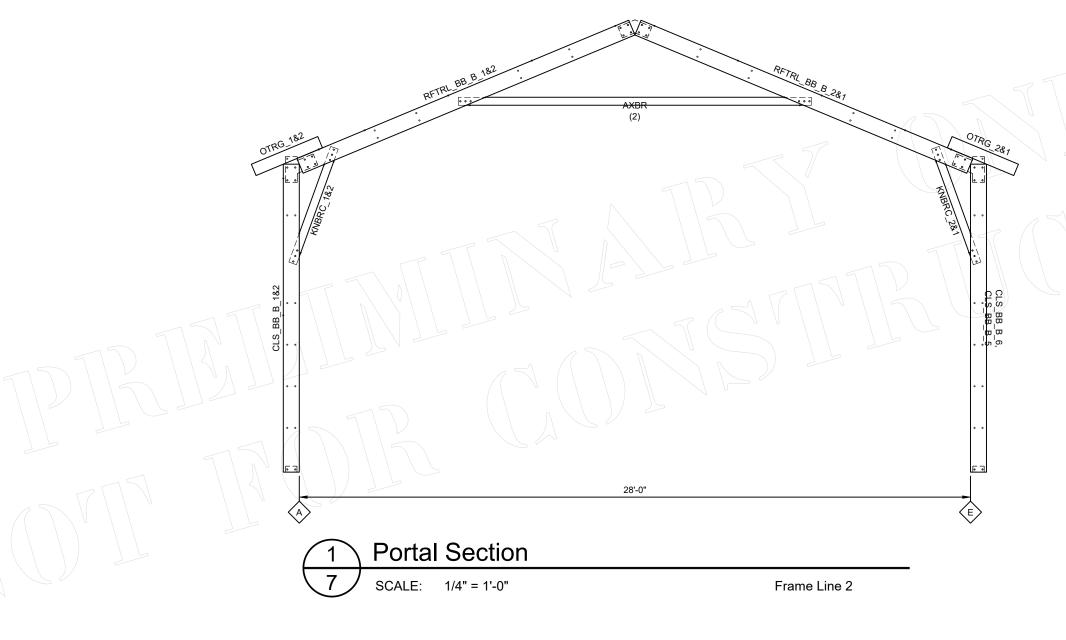


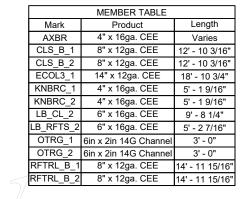


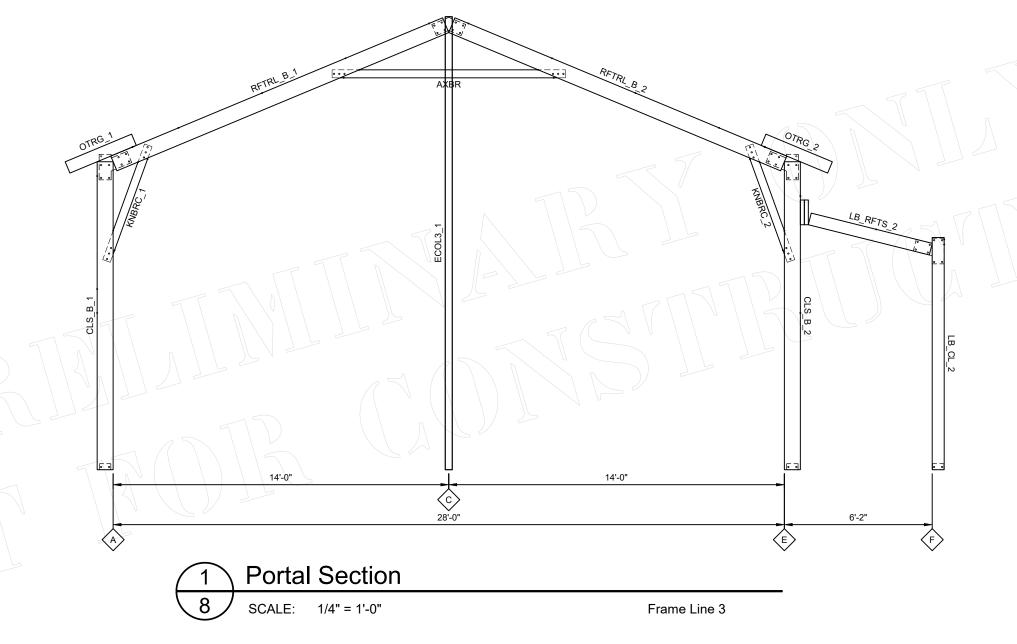
JOBNO VNUJ98779926 SHEET 6 of 28

DATE 8/20/2025 SCALE 1/4" = 1'-0"

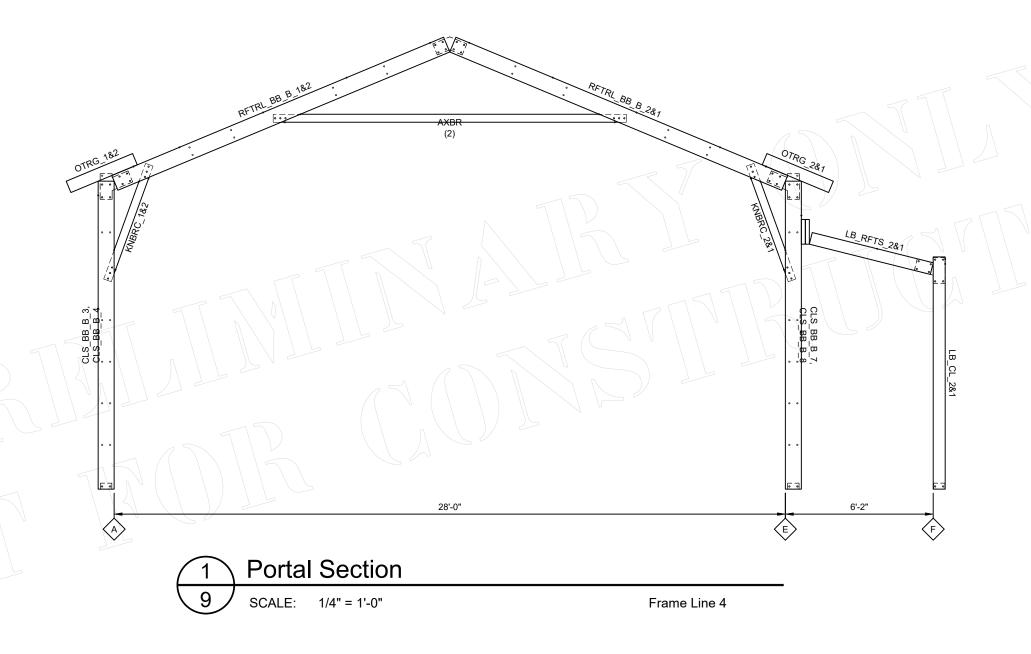
|              | MEMBER TABLE          |                 |
|--------------|-----------------------|-----------------|
| Mark         | Product               | Length          |
| AXBR         | 4" x 16ga. CEE        | 14' - 8 13/16"  |
| CLS_BB_B_1   | 8" x 12ga. CEE        | 12' - 10 3/16"  |
| CLS_BB_B_2   | 8" x 12ga. CEE        | 12' - 10 3/16"  |
| CLS_BB_B_5   | 8" x 12ga. CEE        | 12' - 10 3/16"  |
| CLS_BB_B_6   | 8" x 12ga. CEE        | 12' - 10 3/16"  |
| KNBRC_1      | 4" x 16ga. CEE        | 5' - 1 9/16"    |
| KNBRC_2      | 4" x 16ga. CEE        | 5' - 1 9/16"    |
| OTRG_1       | 6in x 2in 14G Channel | 3' - 0"         |
| OTRG_2       | 6in x 2in 14G Channel | 3' - 0"         |
| RFTRL_BB_B_1 | 8" x 12ga. CEE        | 14' - 11 15/16" |
| RFTRL_BB_B_2 | 8" x 12ga. CEE        | 14' - 11 15/16" |
|              |                       |                 |



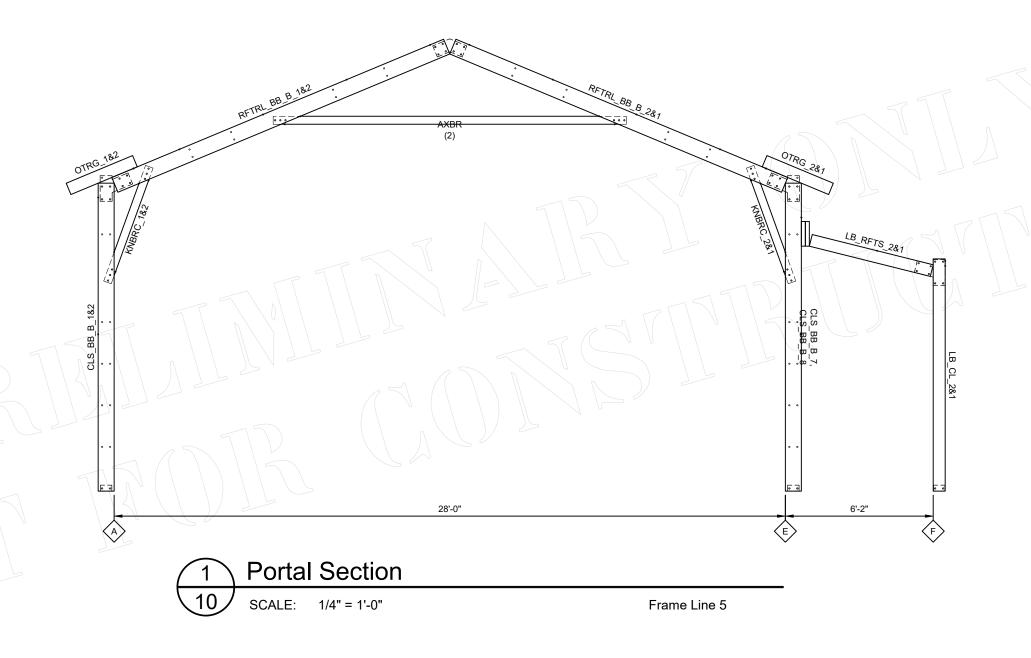






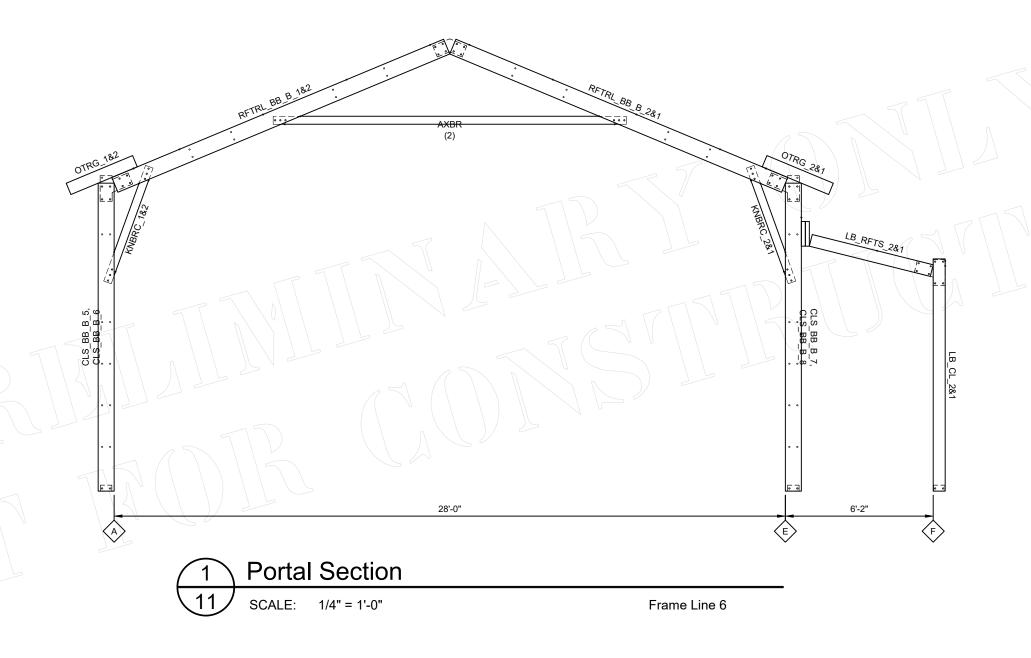


MEMBER TABLE Product 4" x 16ga. CEE CLS\_BB\_B\_3 8" x 12ga. CEE 12' - 10 3/16" 8" x 12ga. CEE 8" x 12ga. CEE 8" x 12ga. CEE 4" x 16ga. CEE LB\_CL\_1 6" x 16ga. CEE 9' - 8 1/4" LB\_RFTS\_1 6" x 16ga. CEE 5' - 2 7/16" 6in x 2in 14G Channel 6in x 2in 14G Channel RFTRL\_BB\_B\_1 8" x 12ga. CEE 14' - 11 15/16" 8" x 12ga. CEE 14' - 11 15/16"



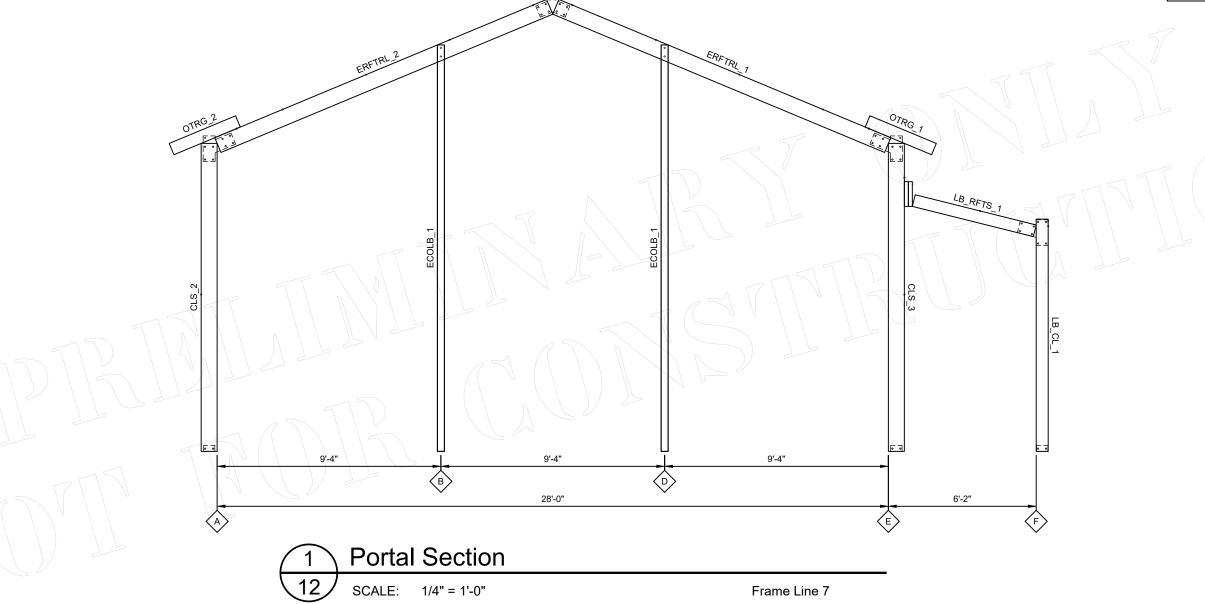
MEMBER TABLE Product 4" x 16ga. CEE CLS\_BB\_B\_1 8" x 12ga. CEE 12' - 10 3/16" CLS BB B 2 8" x 12ga. CEE 8" x 12ga. CEE 8" x 12ga. CEE 4" x 16ga. CEE LB\_CL\_1 6" x 16ga. CEE 9' - 8 1/4" LB\_RFTS\_1 6" x 16ga. CEE 6" x 16ga. CEE 5' - 2 7/16" 6in x 2in 14G Channel 6in x 2in 14G Channel RFTRL\_BB\_B\_1 8" x 12ga. CEE 14' - 11 15/16" 8" x 12ga. CEE 14' - 11 15/16"





MEMBER TABLE Product 4" x 16ga. CEE CLS\_BB\_B\_5 8" x 12ga. CEE 12' - 10 3/16" 8" x 12ga. CEE 8" x 12ga. CEE 8" x 12ga. CEE 4" x 16ga. CEE LB\_CL\_1 6" x 16ga. CEE 9' - 8 1/4" 6" x 16ga. CEE LB\_RFTS\_1 6" x 16ga. CEE 5' - 2 7/16" 6in x 2in 14G Channel 6in x 2in 14G Channel RFTRL\_BB\_B\_1 8" x 12ga. CEE 14' - 11 15/16" 8" x 12ga. CEE 14' - 11 15/16"

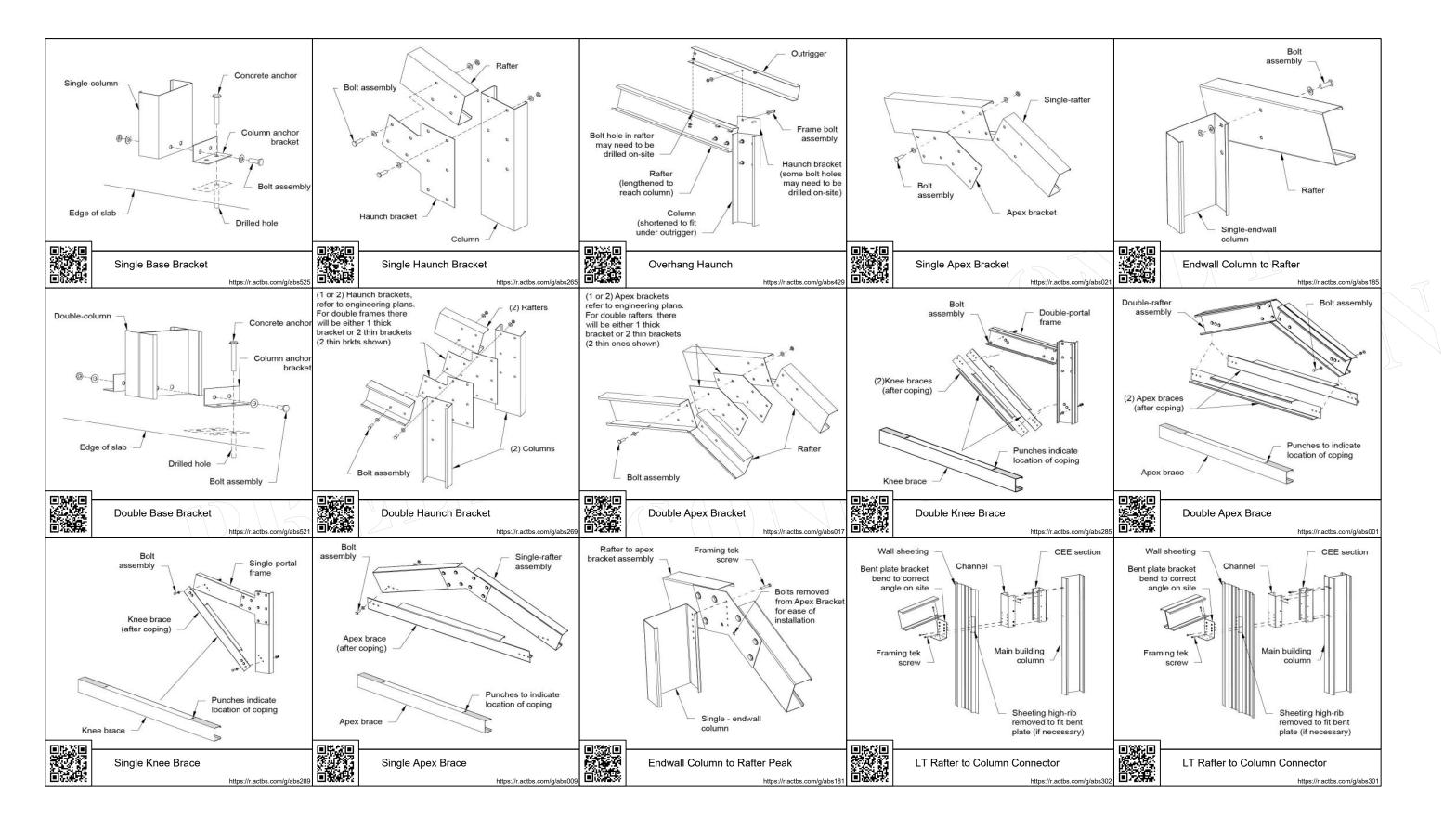
| Mark      | Product               | Length          |
|-----------|-----------------------|-----------------|
| CLS_2     | 8" x 12ga. CEE        | 12' - 10 3/16"  |
| CLS_3     | 8" x 12ga. CEE        | 12' - 10 3/16"  |
| ECOLB_1   | 14" x 14ga. CEE       | 16' - 11 7/16"  |
| ERFTRL_1  | 8" x 12ga. CEE        | 14' - 11 15/16" |
| ERFTRL_2  | 8" x 12ga. CEE        | 14' - 11 15/16" |
| LB_CL_1   | 6" x 16ga. CEE        | 9' - 8 1/4"     |
| LB_RFTS_1 | 6" x 16ga. CEE        | 5' - 2 7/16"    |
| OTRG_1    | 6in x 2in 14G Channel | 3' - 0"         |
| OTRG_2    | 6in x 2in 14G Channel | 3' - 0"         |





8/20/2025





These are generic construction details - your exact building details may vary from these details. For example, washers are shown on many of the bolted connections, however the actual requirement for washer use is specified in the Engineering Plans.

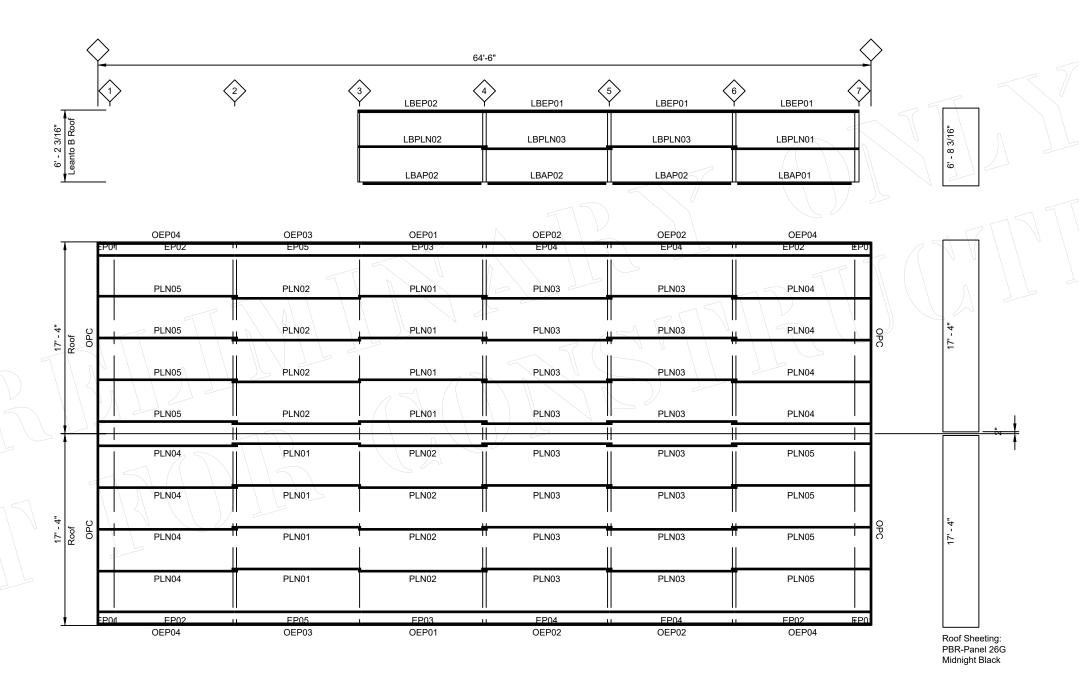
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JOBNO SHEET

VNUJ98779926 13 of 28 DATE 8/20/2025 SCALE N/A

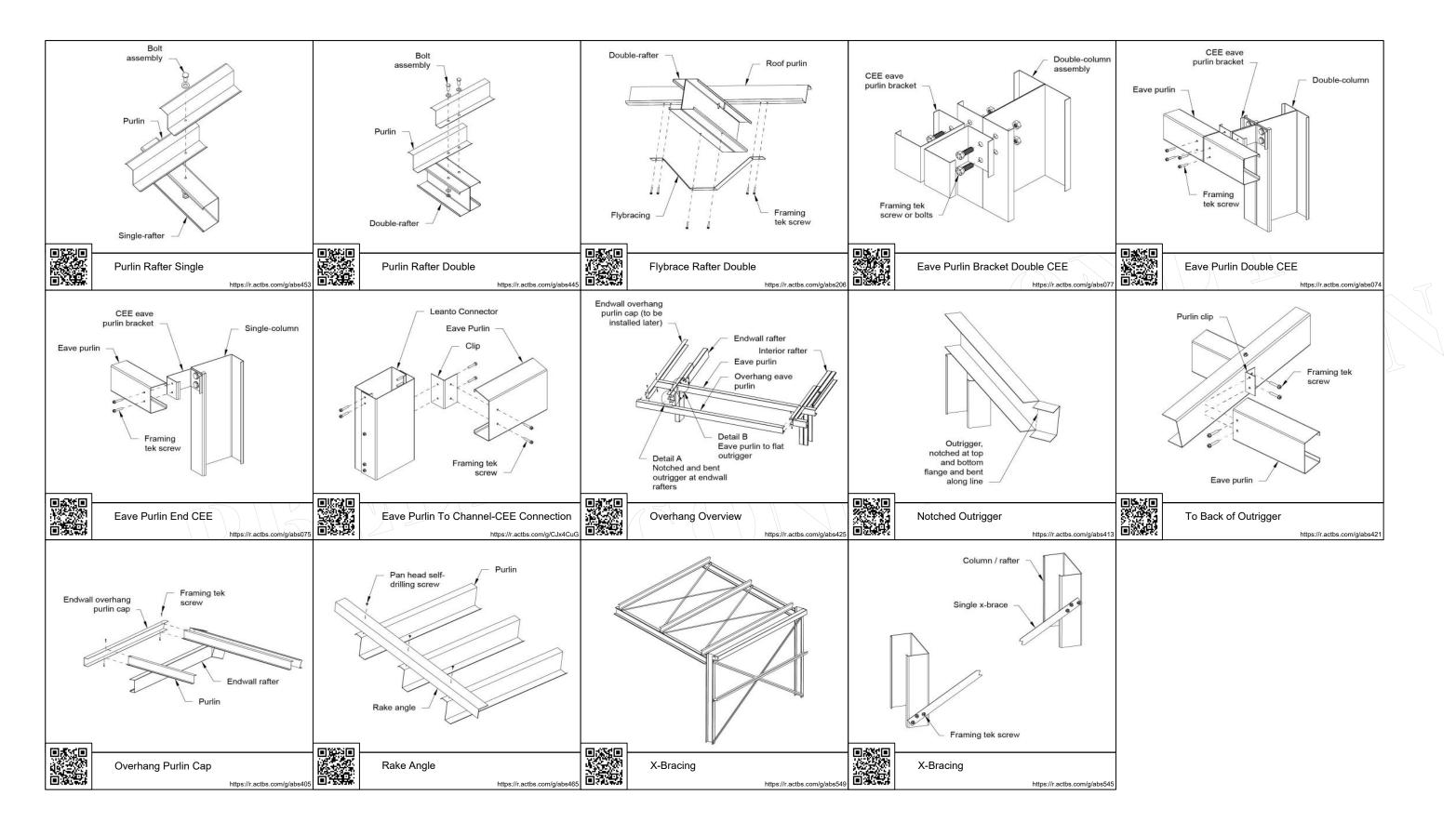




| MEMBER TABLE |                            |              |  |
|--------------|----------------------------|--------------|--|
| Mark         | Product                    | Length       |  |
| EP01         | 6in x 3.5in 14G Eave Strut | 1' - 5 3/4"  |  |
| EP02         | 6in x 3.5in 14G Eave Strut | 9' - 10 1/2" |  |
| EP03         | 6in x 3.5in 14G Eave Strut | 10' - 2 3/4" |  |
| EP04         | 6in x 3.5in 14G Eave Strut | 10' - 4 1/2" |  |
| EP05         | 6in x 3.5in 14G Eave Strut | 10' - 6 1/4" |  |
| LBAP01       | 6in x 3.5in 14G Eave Strut | 9' - 6 1/8"  |  |
| LBAP02       | 6in x 3.5in 14G Eave Strut | 9' - 10 3/8" |  |
| LBEP01       | 6in x 3.5in 14G Eave Strut | 10' - 5"     |  |
| LBEP02       | 6in x 3.5in 14G Eave Strut | 10' - 6 3/4" |  |
| LBPLN01      | 6" x 16ga. LGSI ZEE        | 10' - 8"     |  |
| LBPLN02      | 6" x 16ga. LGSI ZEE        | 10' - 9 3/4" |  |
| LBPLN03      | 6" x 16ga. LGSI ZEE        | 10' - 11"    |  |
| OEP01        | 6" x 16ga. CEE             | 10' - 2 3/4" |  |
| OEP02        | 6" x 16ga. CEE             | 10' - 4 1/2" |  |
| OEP03        | 6" x 16ga. CEE             | 10' - 6 1/4" |  |
| OEP04        | 6" x 16ga. CEE             | 11' - 4 3/4" |  |
| OPC          | 6in x 2in 14G Channel      | 17' - 4"     |  |
| PLN01        | 6" x 16ga. LGSI ZEE        | 10' - 9 1/4" |  |
| PLN02        | 6" x 16ga. LGSI ZEE        | 10' - 9 1/4" |  |
| PLN03        | 6" x 16ga. LGSI ZEE        | 10' - 11"    |  |
| PLN04        | 6" x 16ga. LGSI ZEE        | 11' - 8"     |  |
| PLN05        | 6" x 16ga. LGSI ZEE        | 11' - 8"     |  |



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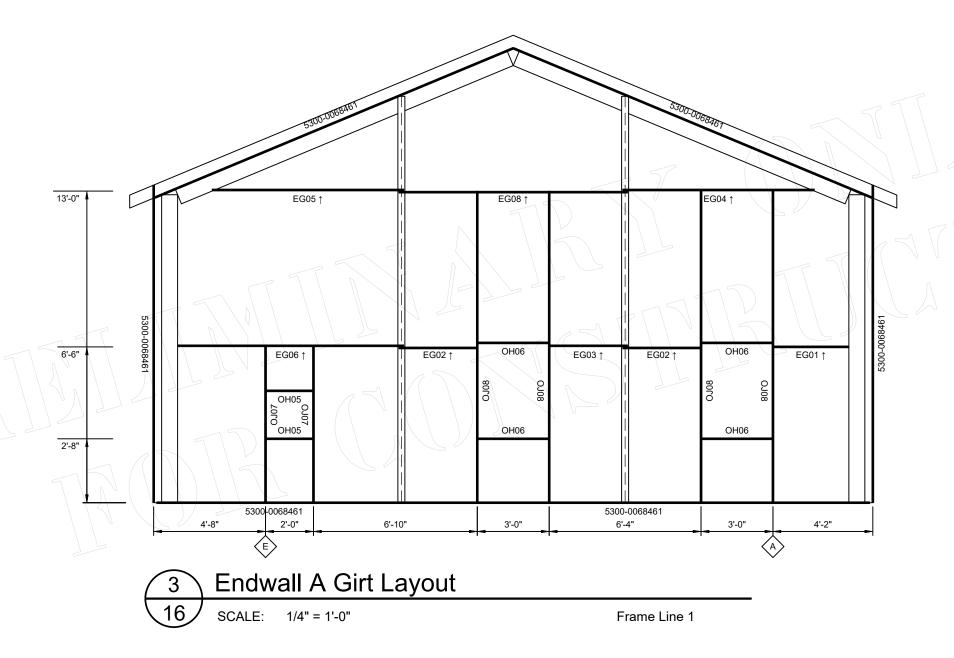


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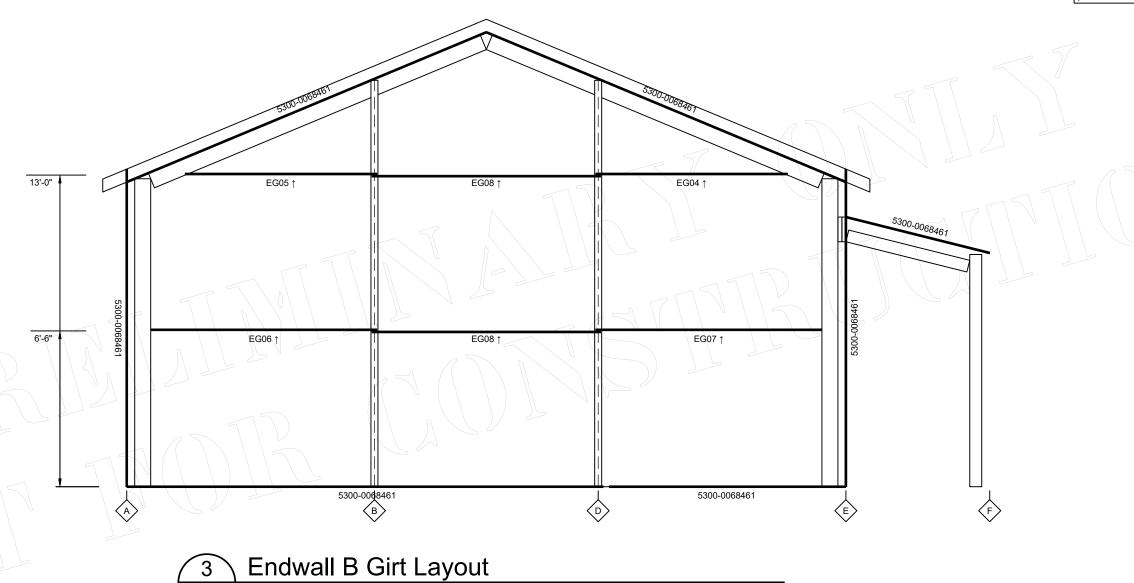
2in x 4in Angle Stock Length 5300-0068461 EG01 6" x 16ga. LGSI ZEE 3' - 2" EG02 6" x 16ga. LGSI ZEE 3' - 3 1/4" 6" x 16ga. LGSI ZEE 3' - 3 1/4" 6" x 16ga. LGSI ZEE 8' - 0 1/16" 6" x 16ga. LGSI ZEE 8' - 0 1/16" EG06 6" x 16ga. LGSI ZEE | 9' - 5 1/4" 6" x 16ga. LGSI ZEE | 9' - 6 1/2" EG08 OH05 6" x 16ga. CEE 6" x 16ga. CEE OH06 6' - 6" OJ07 6in x 2in 14G Channel 6in x 2in 14G Channel 13' - 0" OUTSIDE FLANGE OF GIRT POINTS UP OUTSIDE FLANGE OF GIRT POINTS DOWN

MEMBER TABLE Product

Length



|              | MEMBER TABLE        |              |
|--------------|---------------------|--------------|
| Mark         | Product             | Length       |
| 5300-0068461 | 2in x 4in Angle     | Stock Length |
| EG04         | 6" x 16ga. LGSI ZEE | 8' - 0 1/16" |
| EG05         | 6" x 16ga. LGSI ZEE | 8' - 0 1/16" |
| EG06         | 6" x 16ga. LGSI ZEE | 9' - 5 1/4"  |
| EG07         | 6" x 16ga. LGSI ZEE | 9' - 5 1/4"  |
|              | 6" x 16ga. LGSI ZEE | 9' - 6 1/2"  |
| ↑ OUTSIDE FL | ANGE OF GIRT POIN   | ITS UP       |
| ↓ OUTSIDE FL | ANGE OF GIRT POIN   | ITS DOWN     |



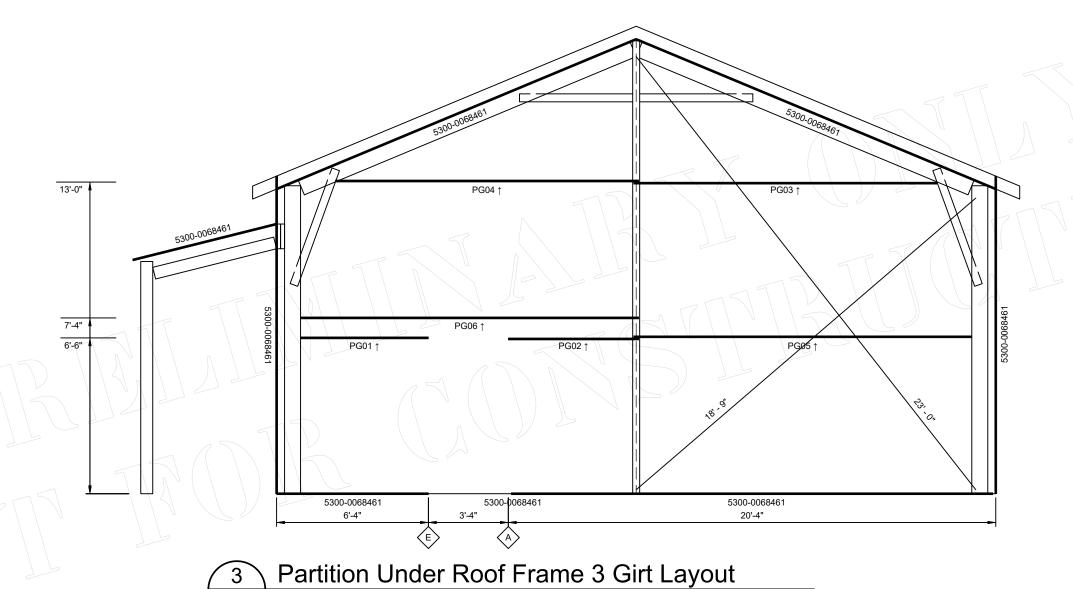
SCALE: 1/4" = 1'-0"

These illustrations are for reference only, and is to be used to supplement the engineering drawings. If any discrepancies occur, the engineering plans will always take precedence.

Frame Line 7



|              | MEMBER TABLE        |              |  |  |  |
|--------------|---------------------|--------------|--|--|--|
| Mark         | Product             | Length       |  |  |  |
| 5300-0068461 | 2in x 4in Angle     | Stock Length |  |  |  |
| PG01         | 6" x 16ga. LGSI ZEE | 5' - 4"      |  |  |  |
| PG02         | 6" x 16ga. LGSI ZEE | 5' - 5 1/4"  |  |  |  |
| PG03         | 6" x 16ga. LGSI ZEE |              |  |  |  |
| PG04         | 6" x 16ga. LGSI ZEE |              |  |  |  |
| PG05         | 6" x 16ga. LGSI ZEE | 14' - 1 1/4" |  |  |  |
| PG06         | 6" x 16ga. LGSI ZEE | 14' - 1 1/4" |  |  |  |
| ↑ OUTSIDE FL | ANGE OF GIRT POIN   | NTS UP       |  |  |  |
| ↓ OUTSIDE FL | ANGE OF GIRT POIN   | NTS DOWN     |  |  |  |

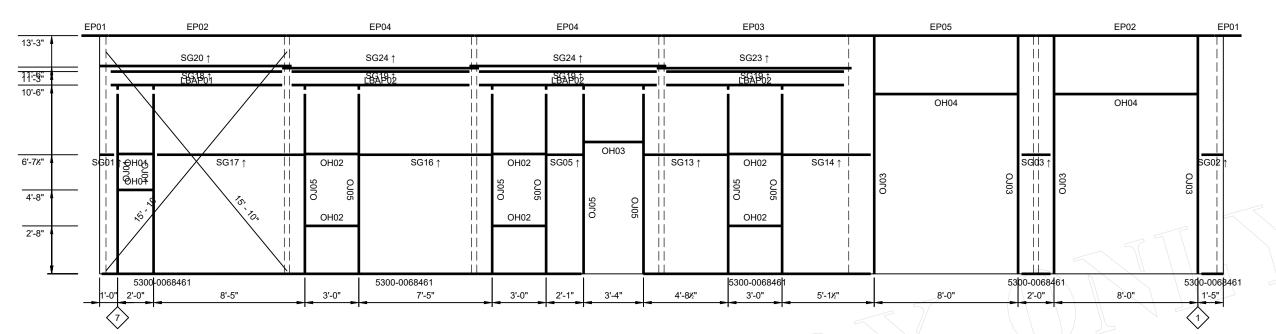


SCALE: 1/4" = 1'-0"

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Frame Line 3

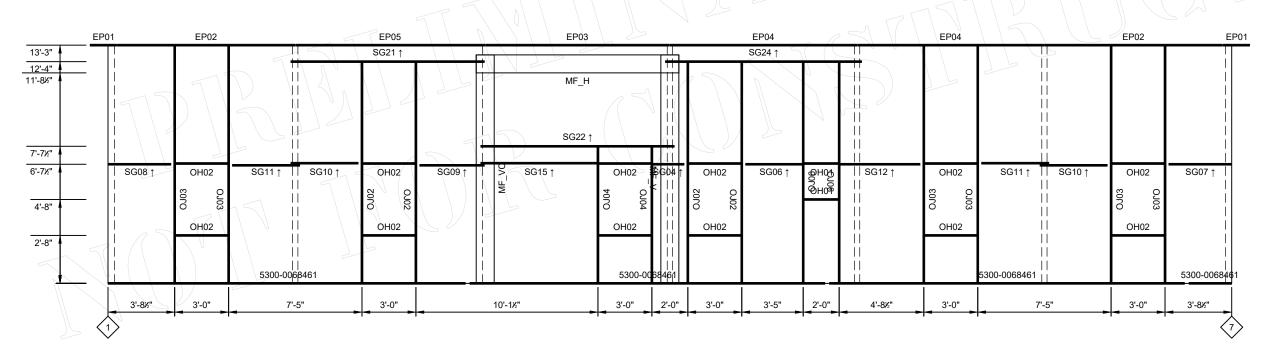




Sidewall B Girt Layout

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

Frame Line E



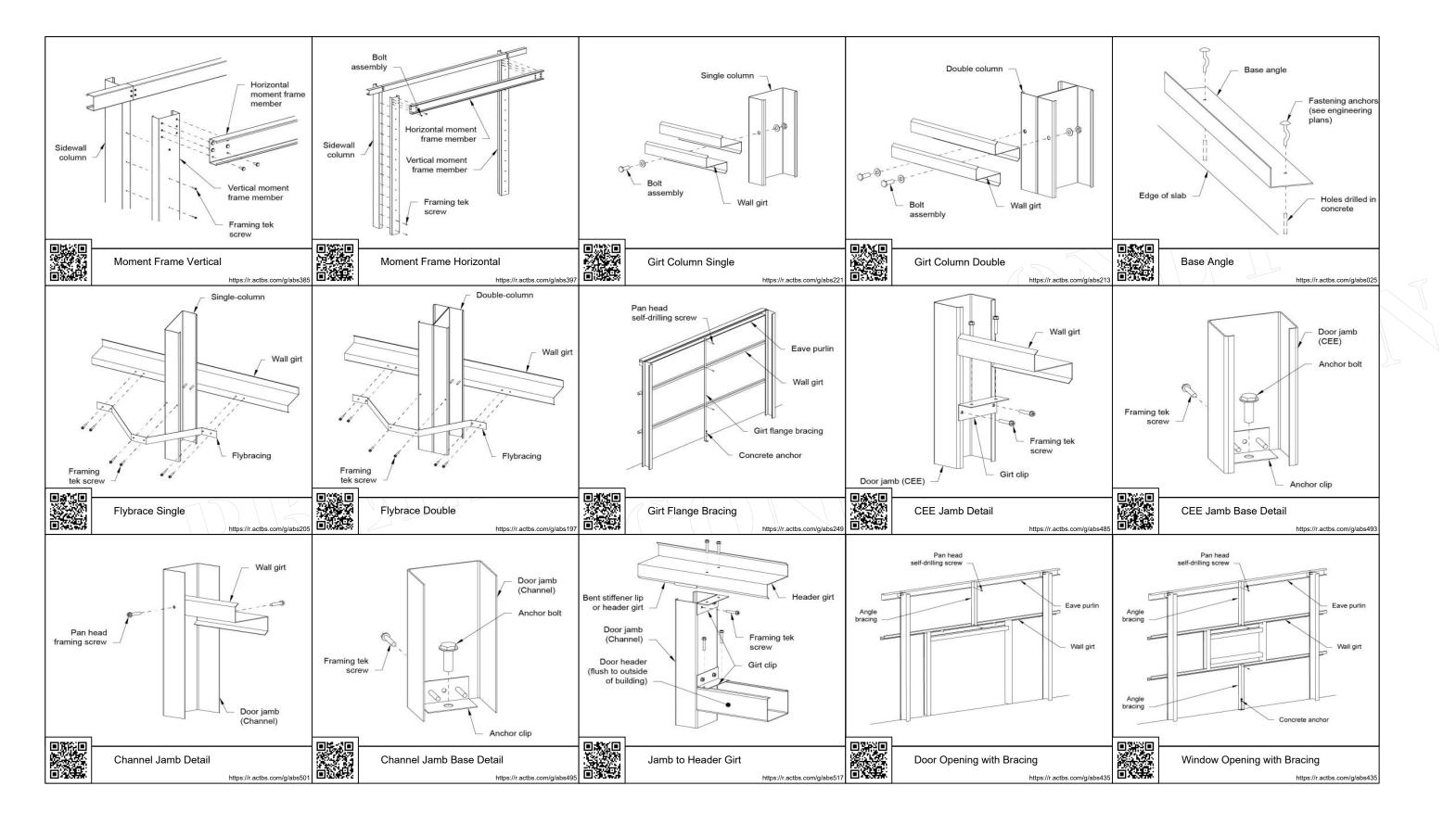
|   | Mark                               | Product                    | Length         |
|---|------------------------------------|----------------------------|----------------|
|   | 5300-0068461                       | 2in x 4in Angle            | Stock Length   |
|   | EP01                               | 6in x 3.5in 14G Eave Strut | 1' - 5 3/4"    |
|   | EP02                               | 6in x 3.5in 14G Eave Strut | 9' - 10 1/2"   |
|   | EP03                               | 6in x 3.5in 14G Eave Strut | 10' - 2 3/4"   |
|   | EP04                               | 6in x 3.5in 14G Eave Strut | 10' - 4 1/2"   |
|   | EP05                               | 6in x 3.5in 14G Eave Strut | 10' - 6 1/4"   |
|   | LBAP01                             | 6in x 3.5in 14G Eave Strut | 9' - 6 1/8"    |
|   | LBAP02                             | 6in x 3.5in 14G Eave Strut | 9' - 10 3/8"   |
|   | MF_H                               | 12" x 12ga. CEE            | 11' - 3 1/4"   |
|   | MF_V                               | 12" x 12ga. CEE            | 12' - 8 1/2"   |
|   | MF_VC                              | 12" x 12ga. CEE            | 12' - 8 1/2"   |
|   | OH01                               | 4" x 16ga. CEE             | 2' - 0"        |
|   | OH02                               | 4" x 16ga. CEE             | 3' - 0"        |
|   | OH03                               | 4" x 16ga. CEE             | 3' - 4"        |
|   | OH04                               | 4" x 16ga. CEE             | 8' - 0"        |
|   | OJ01                               | 4" x 16ga. CEE             | 10' - 6"       |
|   | OJ02                               | 4" x 16ga. CEE             | 12' - 4"       |
|   | OJ03                               | 4" x 16ga. CEE             | 12' - 8 13/16" |
| = | OJ04                               | 4in x 2in 16G Channel      | 7' - 7 1/2"    |
|   | OJ05                               | 4in x 2in 16G Channel      | 10' - 6"       |
|   | OJ06                               | 4in x 2in 16G Channel      | 12' - 4"       |
|   | SG01                               | 4" x 14ga. ZEE             | 9 1/2"         |
|   | SG02                               | 4" x 14ga. ZEE             | 1' - 2 1/2"    |
|   | SG03                               | 4" x 14ga. ZEE             | 1' - 7"        |
|   | SG04                               | 4" x 14ga. ZEE             | 1' - 9 1/2"    |
|   | SG05                               | 4" x 14ga. ZEE             | 2' - 1"        |
|   | SG06                               | 4" x 14ga. ZEE             | 3' - 2 1/2"    |
|   | SG07                               | 4" x 14ga. ZEE             | 3' - 6"        |
|   | SG08                               | 4" x 14ga. ZEE             | 3' - 6"        |
|   | SG09                               | 4" x 14ga. ZEE             | 3' - 7 1/4"    |
|   | SG10                               | 4" x 14ga. ZEE             | 3' - 9"        |
|   | SG11                               | 4" x 14ga. ZEE             | 3' - 9"        |
|   | SG12                               | 4" x 14ga. ZEE             | 4' - 6"        |
|   | SG13                               | 4" x 14ga. ZEE             | 4' - 8 1/2"    |
|   | SG14                               | 4" x 14ga. ZEE             | 4' - 11"       |
|   | SG15                               | 4" x 14ga. ZEE             | 6' - 6 1/4"    |
|   | SG16                               | 4" x 14ga. ZEE             | 7' - 5"        |
|   | SG17                               | 4" x 14ga. ZEE             | 8' - 2 1/2"    |
|   | SG18                               | 4" x 14ga. ZEE             | 9' - 6 1/8"    |
|   | SG19                               | 4" x 14ga. ZEE             | 9' - 10 3/8"   |
|   | SG20                               | 4" x 14ga. ZEE             | 10' - 8"       |
|   | SG21                               | 4" x 14ga. ZEE             | 10' - 9 1/4"   |
|   | SG22                               | 4" x 14ga. ZEE             | 10' - 9 1/4"   |
|   | SG23                               | 4" x 14ga. ZEE             | 10' - 9 3/4"   |
|   | SG24                               | 4" x 14ga. ZEE             | 10' - 11"      |
|   |                                    | ANGE OF GIRT POINTS U      |                |
|   | UUTSIDE FLANGE OF GIRT POINTS DOWN |                            |                |
|   | <u>·</u>                           |                            |                |

MEMBER TABLE

Sidewall A Girt Layout

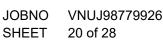
SCALE: 3/16" = 1'-0"

Frame Line A



These are generic construction details - your exact building details may vary from these details. For example, washers are shown on many of the bolted connections, however the actual requirement for washer use is specified in the Engineering Plans. These illustrations are for reference only, and is to be used to supplement the engineering drawings. If any discrepancies occur, the engineering plans will always take precedence.

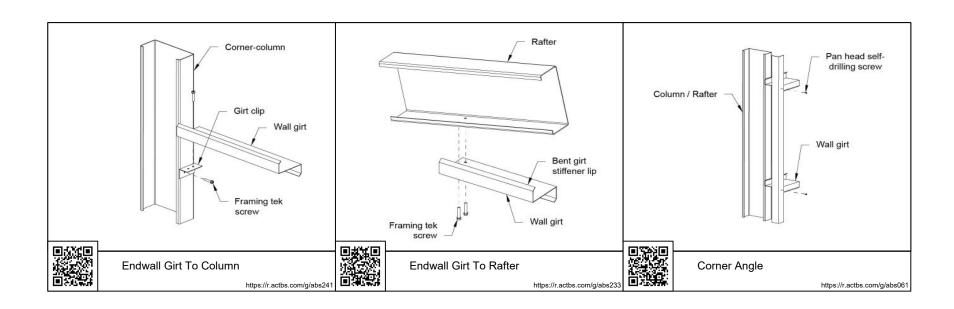




DATE SCALE N/A

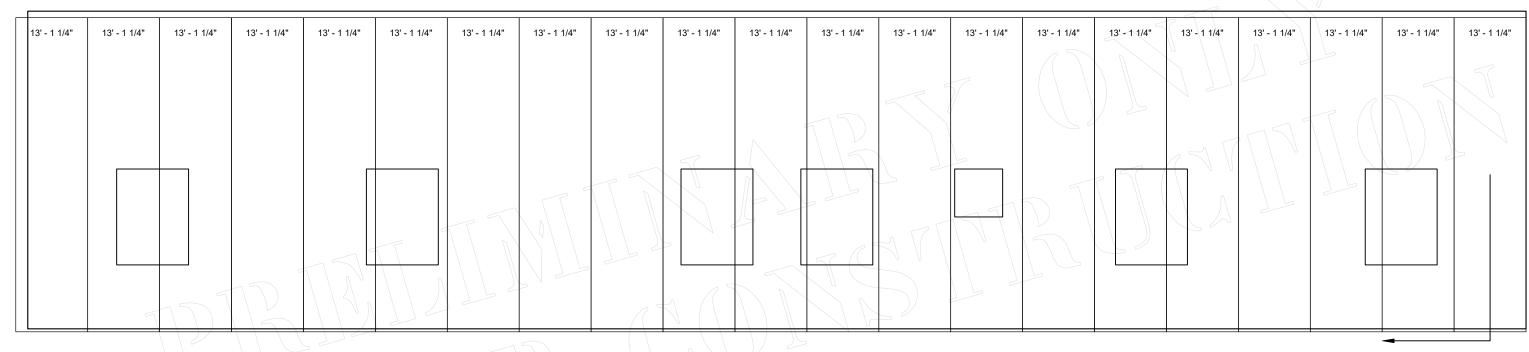
8/20/2025





These are generic construction details - your exact building details may vary from these details. For example, washers are shown on many of the bolted connections, however the actual requirement for washer use is specified in the Engineering Plans.

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Sheeting starts with this sheet and moves across wall

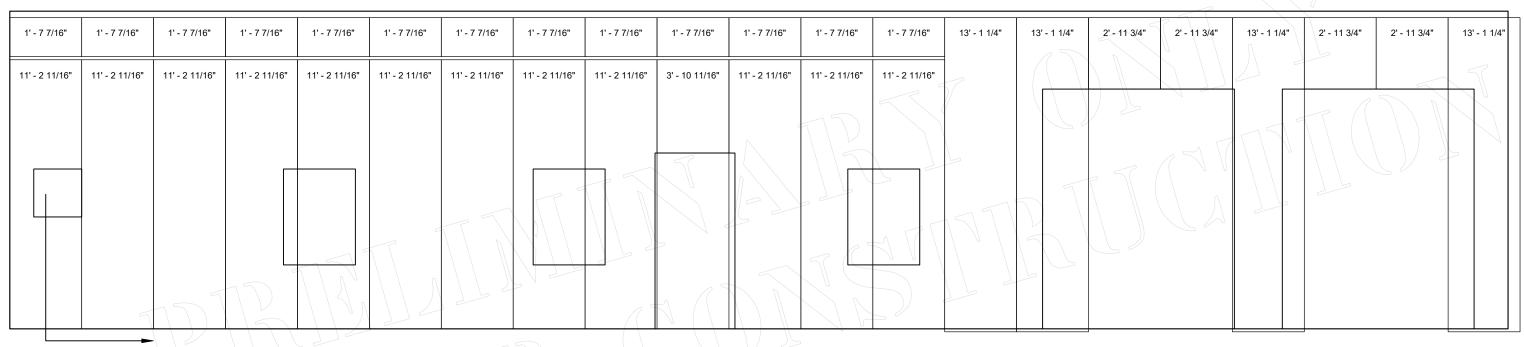
Sidewall A Sheeting Layout

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

Frame Line A







Sheeting starts with this sheet and moves across wall

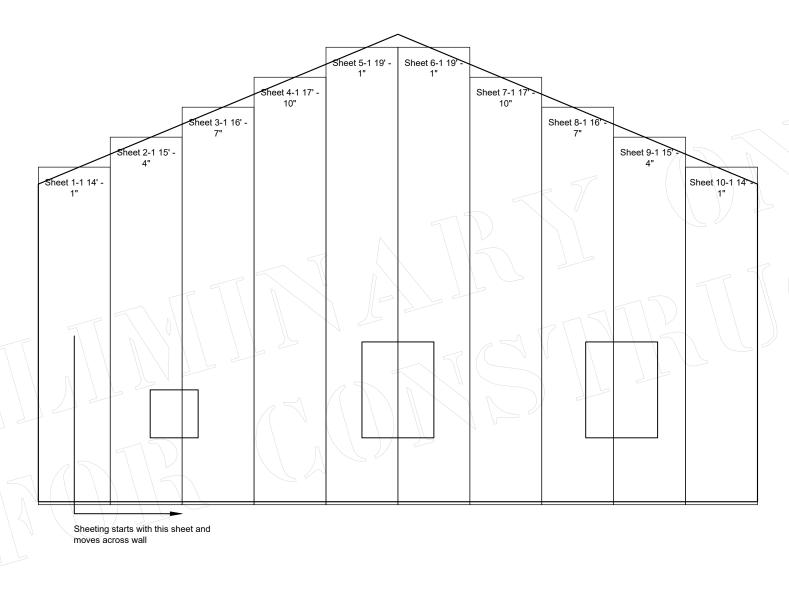
Sidewall B Sheeting Layout

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

Frame Line E







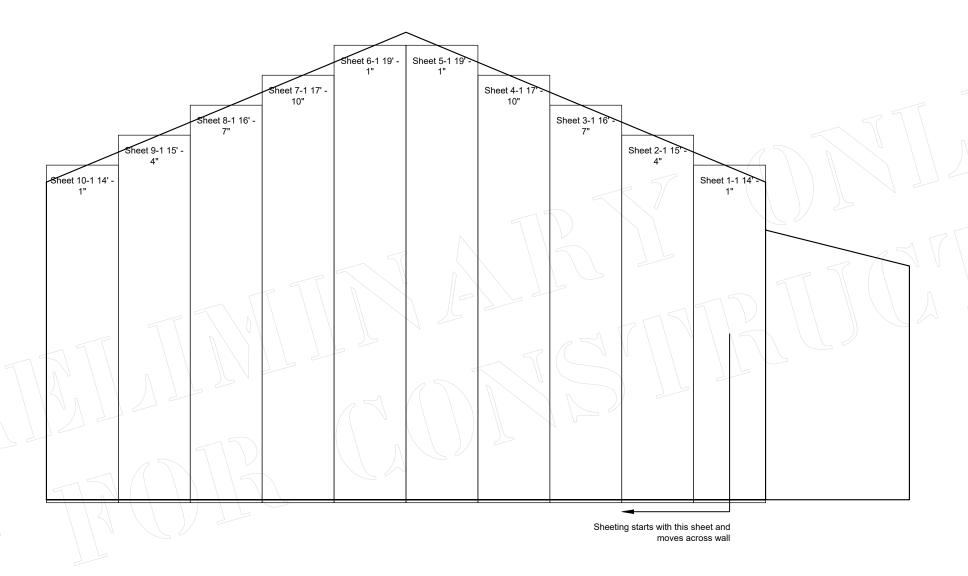
Endwall A Sheeting Layout

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

Frame Line 1







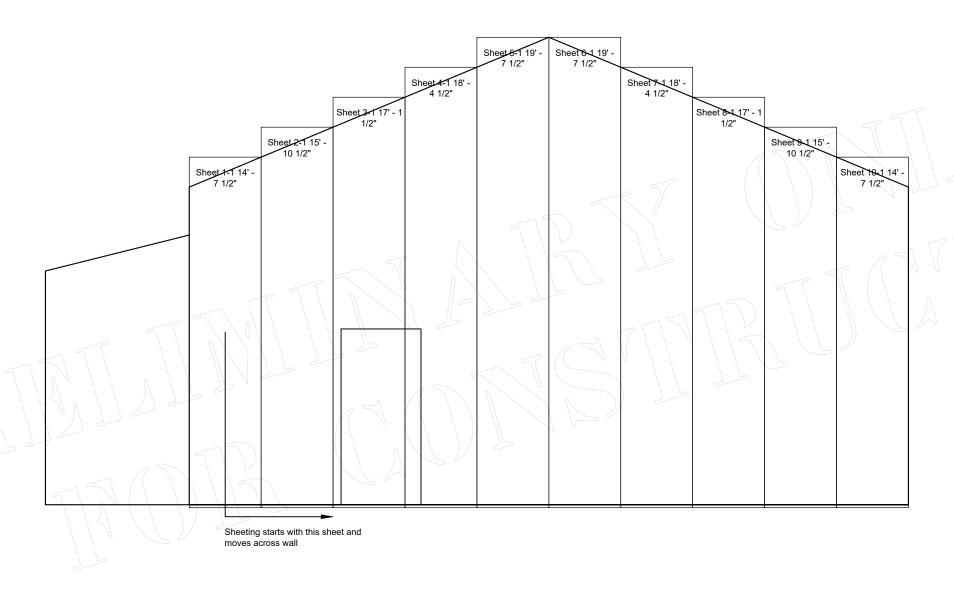
Endwall B Sheeting Layout

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

Frame Line 7







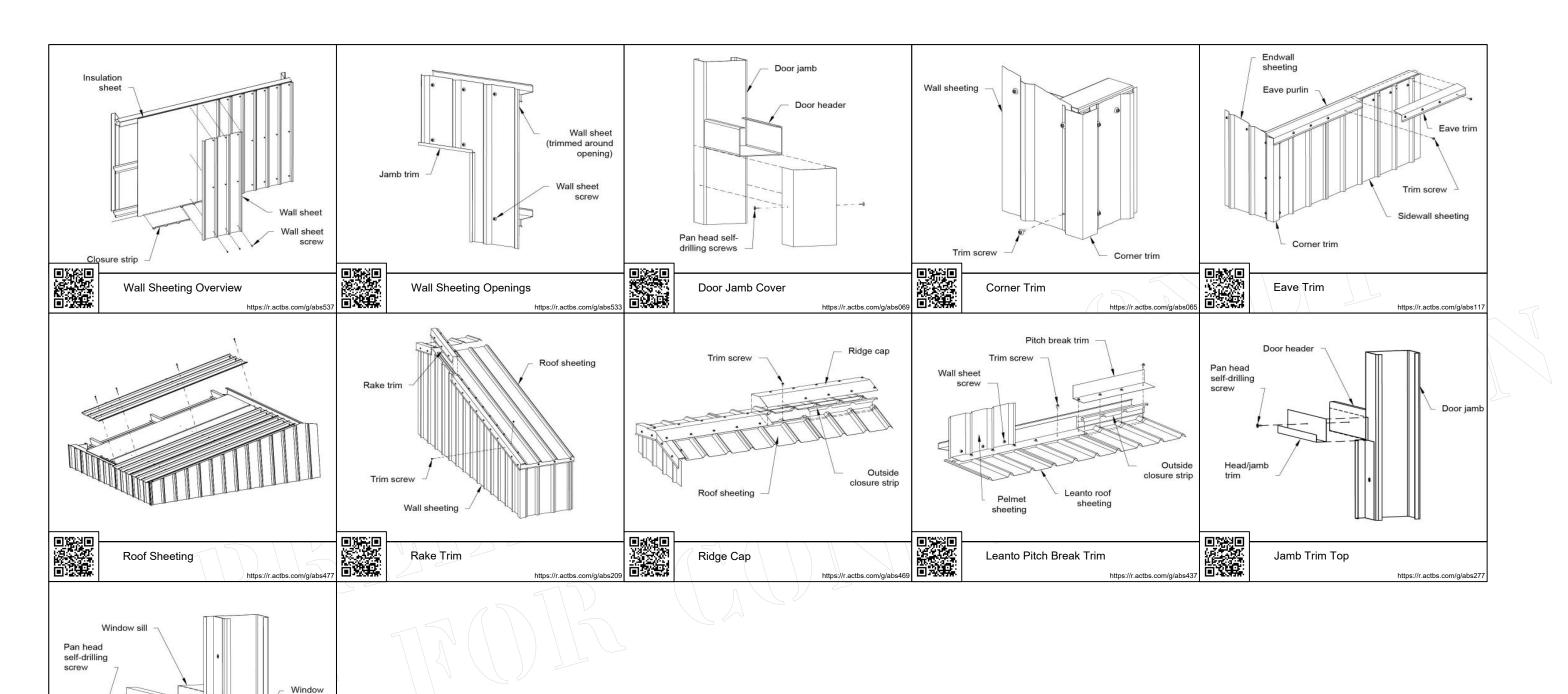
# Partition Under Roof Frame 3 Sheeting Layout

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

Frame Line 3







These are generic construction details - your exact building details may vary from these details. For example, washers are shown on many of the bolted connections, however the actual requirement for washer use is specified in the Engineering Plans. These illustrations are for reference only, and is to be used to supplement the engineering drawings. If any discrepancies occur, the engineering plans will always take precedence.





Jamb Trim Bottom

https://r.actbs.com/g/abs273

Head/iamb

#### Generic Temporary Bracing Information

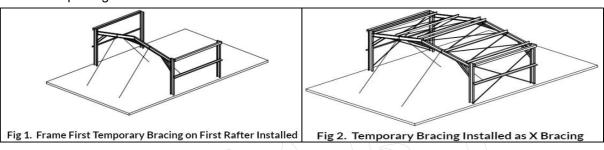
The installation of temporary bracing is critical to avoid building collapse or damaging structural movement during construction. This collapse can occur with no notice and as such the installation of appropriate temporary bracing is critical to avoid damage, injury, and possible death. Determination, procurement, and correct installation of temporary bracing is the responsibility of the builder / primary contractor / installer.

#### **Bracing Materials**

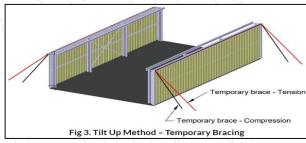
The constructor / installer is to supply suitably sized materials for temporary bracing. These materials are generally capable of tension, but in some circumstances will need to be capable of tension and compression. Load rated ratchet strapping of an appropriate size can be used to temporarily 'x-brace' bays in both directions, until the final bracing systems are fullyinstalled. This is especially critical for buildings where X Bracing is not required in the final structure due to the use of moment frames or diaphragm bracing.

#### **Temporary Bracing Location**

The location of Temporary bracing will depend on the installation method used. Installation should be completed in accordance with the Construction Package, Engineering Plans, and Instruction Manuals. If the Frame First Method (most common) is used, then the use of tension only bracing and creating temporarily braced bays as per Fig 1 and Fig 2, can be used. As a basic guide, a minimum of every 4th bay should have temporary bracing installed as per Fig 2.



If the Tilt Up Method Is used (where walls are constructed on the ground And then tilted into place), then the tops of columns are braced with a tension and compression brace in the same direction Fig 3. Then rafters and purlins can be installed with temporary bracing holding rafters in place (similar to Fig 1) until final bracing of diaphragm sheeting is installed.



Typically, braces should be positioned diagonally across the structure from the top to the bottom, intersecting near the midpoint to provide stability, optimally at a 45-degree angle but no less than a 20-degree angle. The connection strength of temporary bracing is a critical consideration and these connections must be capable of resisting the potentially substantial temporary bracing loads – whether this connection point be to the building, the foundations or to the ground. Dependent upon building size this may include heavy angles and post installed concrete anchors. The temporary bracing methods used must be capable of fully stabilising the structure during the construction process.

#### Additional Temporary Bracing

The temporary bracing described is a minimum requirement for a standard-sized building in average conditions. Additional consideration should be given to larger building spans and/or challenging site conditions. There may also be an increased risk in relation to partially completed buildings and exposed sites. It is recommended that extra temporary bracing is utilized if moderate wind speeds are expected on site. Additional support elements, such as steel cables may need to be introduced that can be attached to the building's framework and anchored to the ground or other stable structures to provide extra stability. The frame should remain rigid throughout and such responsibility lies with the constructor. Buildings should not be left in a partially completed state longer than necessary.

#### Bracing Removal

The temporary bracing should not be removed until all purlins, girts and permanent cross bracing, diaphragm bracing or moment frames where used are installed. The temporary bracing is to remain in place where possible, until the roof and wall cladding is fully installed. If you need any further information regarding the installation of temporary bracing or are at all unsure of the necessary requirements for this specific building, there are guides available through various industry bodies:

https://www.aisc.org/ https://www.metal-buildings-institute.org/ Support is also available at support@actbuildingsystems.com.

THE ABOVE INFORMATION REGARDING TEMPORARY BRACING DOES NOT FORM PART OF THE ENGINEERING CERTIFICATION FOR THIS DESIGN AND IS PROVIDED AS A GUIDE TO AID INSTALLATION ONLY.



JOBNO VNUJ98779926 SHEET 28 of 28

DATE SCALE N/A

8/20/2025

