CONSTRUCTION PACKAGE FOR COLD FORMED STEEL BUILDING
CREATED FOR 25X40 CONTAINER COVER
JOB NUMBER 1015380574

Robertson™ BUILDING SYSTEMS

Part of the **Cornerstone Building Brands** Family

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## 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.

## IMPORTANT

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

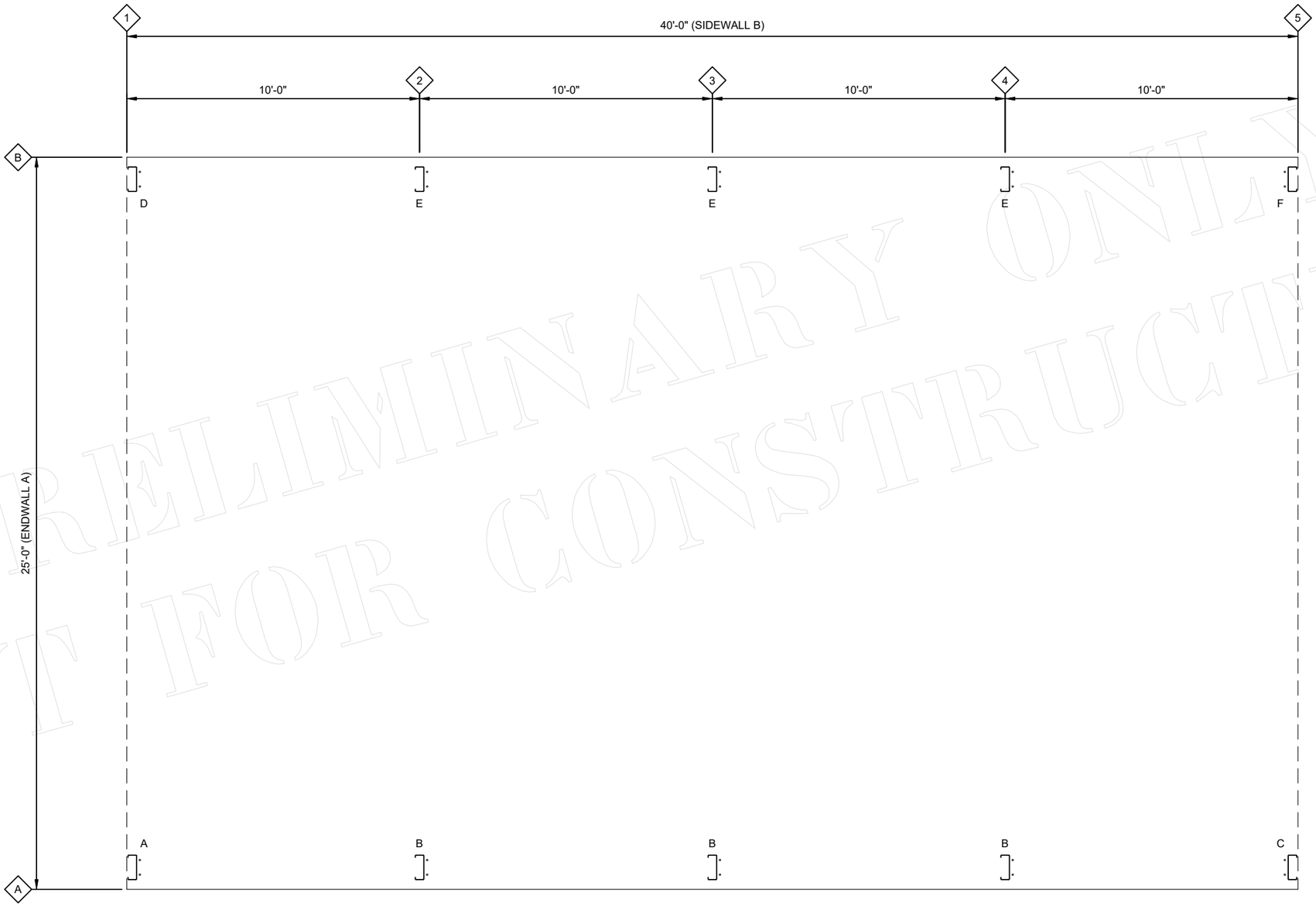
- ENGINEERING PLAN
- COPY OF THE ORDER

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

INSTALLATION MANUALS
http://bit.ly/ACTInstallManuals

CONSTRUCTION VIDEOS
http://bit.ly/ACTConstructionVids

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






| ANCHOR BOLTS | | |
|---|---|---|
| QTY | LOCATION | DIA |
| 20 | MAIN FRAME | 5/8" |

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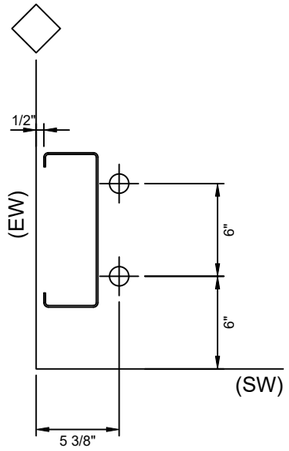
# Building Layout Plan

Robertson BUILDING SYSTEMS
Part of the Cornerstone Building Brands Family

| | | | |
|---|---|---|---|
| JOBNO | VNUJ1015380574 | DATE | 8/22/2025 |
| SHEET | 2 of 13 | SCALE | 1/4" = 1'-0" |

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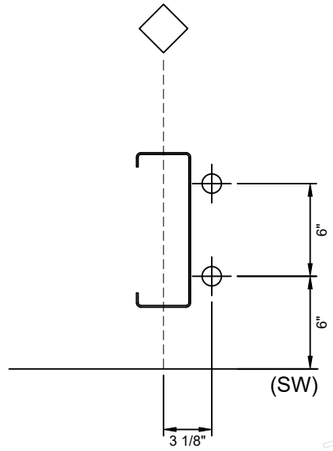


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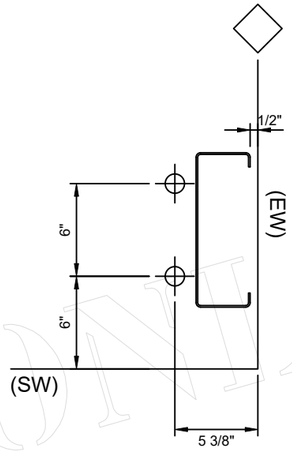


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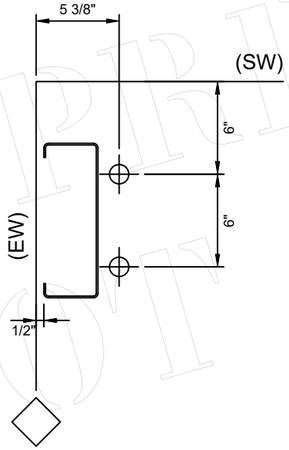


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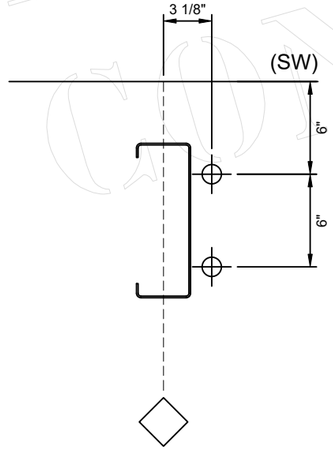


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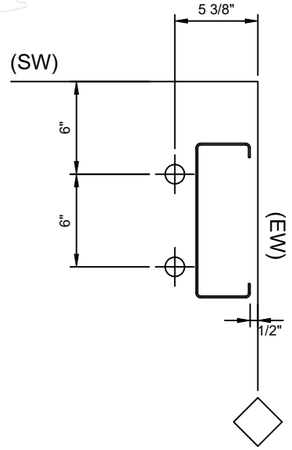


F



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Anchor Bolt Details

Robertson BUILDING SYSTEMS
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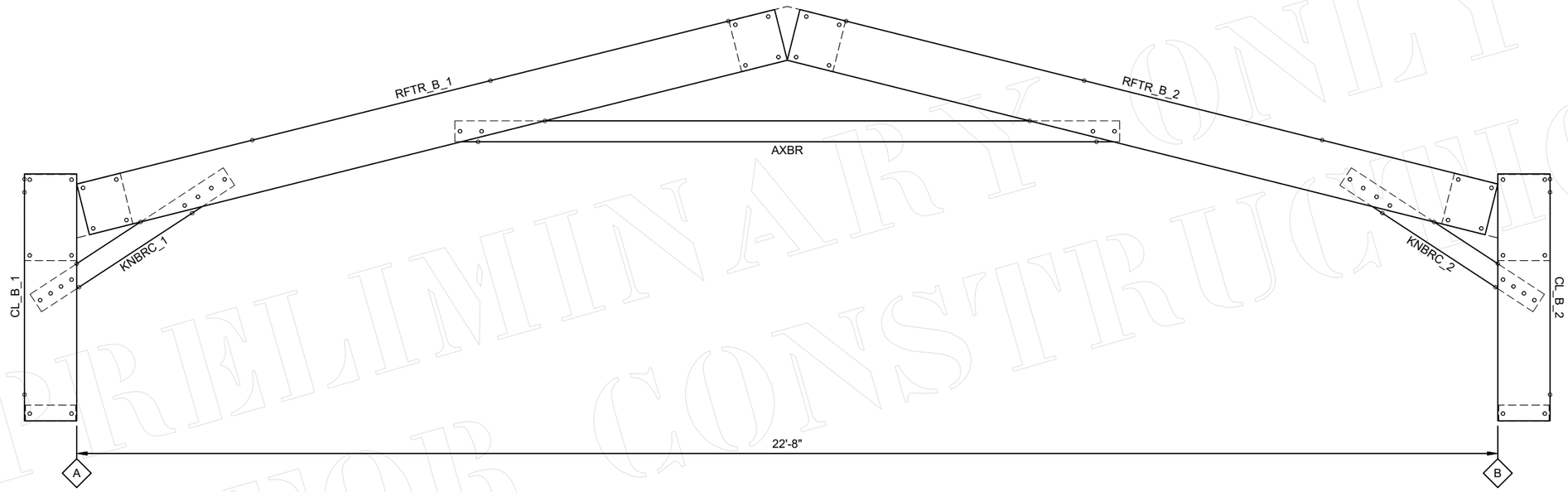
| | | | |
|---|---|---|---|
| JOBNO | VNUJ1015380574 | DATE | 8/22/2025 |
| SHEET | 3 of 13 | SCALE | N/A |

| MEMBER TABLE | | |
|---|---|---|
| Mark | Product | Length |
| AXBR | 4" x 14ga. CEE | 10' - 7 1/4" |
| CL_B_1 | 10" x 12ga. CEE | 3' - 11 1/4" |
| CL_B_2 | 10" x 12ga. CEE | 3' - 11 1/4" |
| KNBRC_1 | 4" x 14ga. CEE | 3' - 8 3/16" |
| KNBRC_2 | 4" x 14ga. CEE | 3' - 8 3/16" |
| RFTR_B_1 | 10" x 12ga. CEE | 11' - 5 11/16" |
| RFTR_B_2 | 10" x 12ga. CEE | 11' - 5 11/16" |




1/4 Portal Section

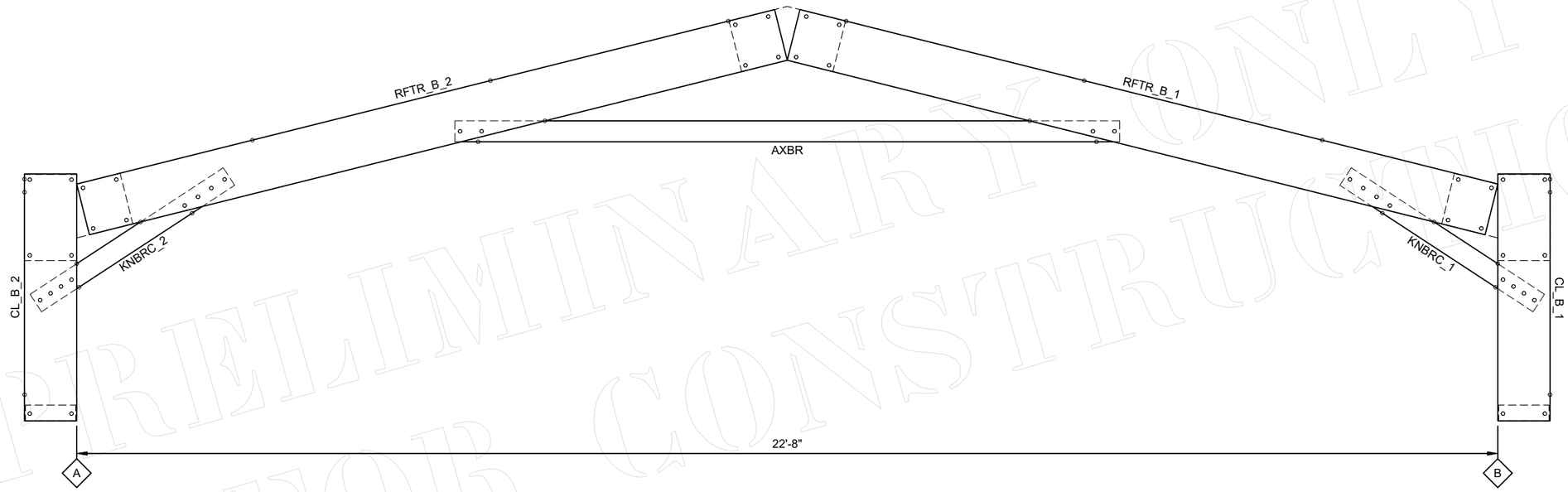
SCALE: 1/2" = 1'-0"

Frame Lines 1-4



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.

| MEMBER TABLE | | |
|---|---|---|
| Mark | Product | Length |
| AXBR | 4" x 14ga. CEE | 10' - 7 1/4" |
| CL_B_1 | 10" x 12ga. CEE | 3' - 11 1/4" |
| CL_B_2 | 10" x 12ga. CEE | 3' - 11 1/4" |
| KNBRC_1 | 4" x 14ga. CEE | 3' - 8 3/16" |
| KNBRC_2 | 4" x 14ga. CEE | 3' - 8 3/16" |
| RFTR_B_1 | 10" x 12ga. CEE | 11' - 5 11/16" |
| RFTR_B_2 | 10" x 12ga. CEE | 11' - 5 11/16" |




1/5 Portal Section

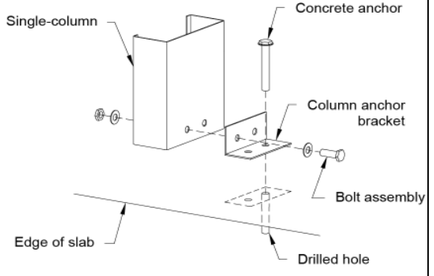
SCALE: 1/2" = 1'-0"

Frame Line 5



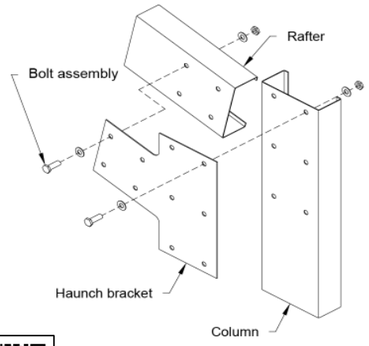
These illustrations are for reference only, and is to be used to supplement the engineering drawings. If any discrepancies occur, the engineering plans will always take precedence.

| | | | | | |
|---|---|---|---|---|---|
| Portal Frame Sections | Robertson BUILDING SYSTEMS Part of the Cornerstone Building Brands Family | JOBNO | VNUJ1015380574 | DATE | 8/22/2025 |
| | | SHEET | 5 of 13 | SCALE | 1/2" = 1'-0" |




Single Base Bracket

https://r.actbs.com/g/abs525




Single Haunch Bracket

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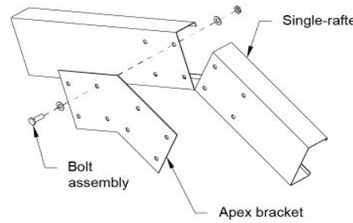
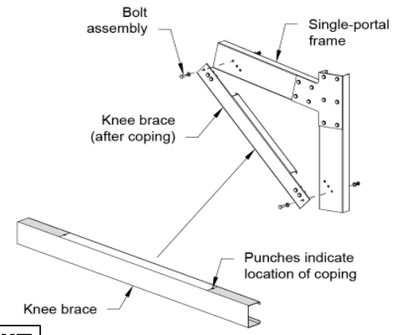


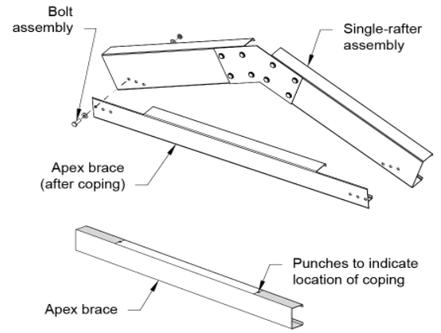

Single Apex Bracket

https://r.actbs.com/g/abs021




Single Knee Brace

https://r.actbs.com/g/abs289




Single Apex Brace

https://r.actbs.com/g/abs009



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.

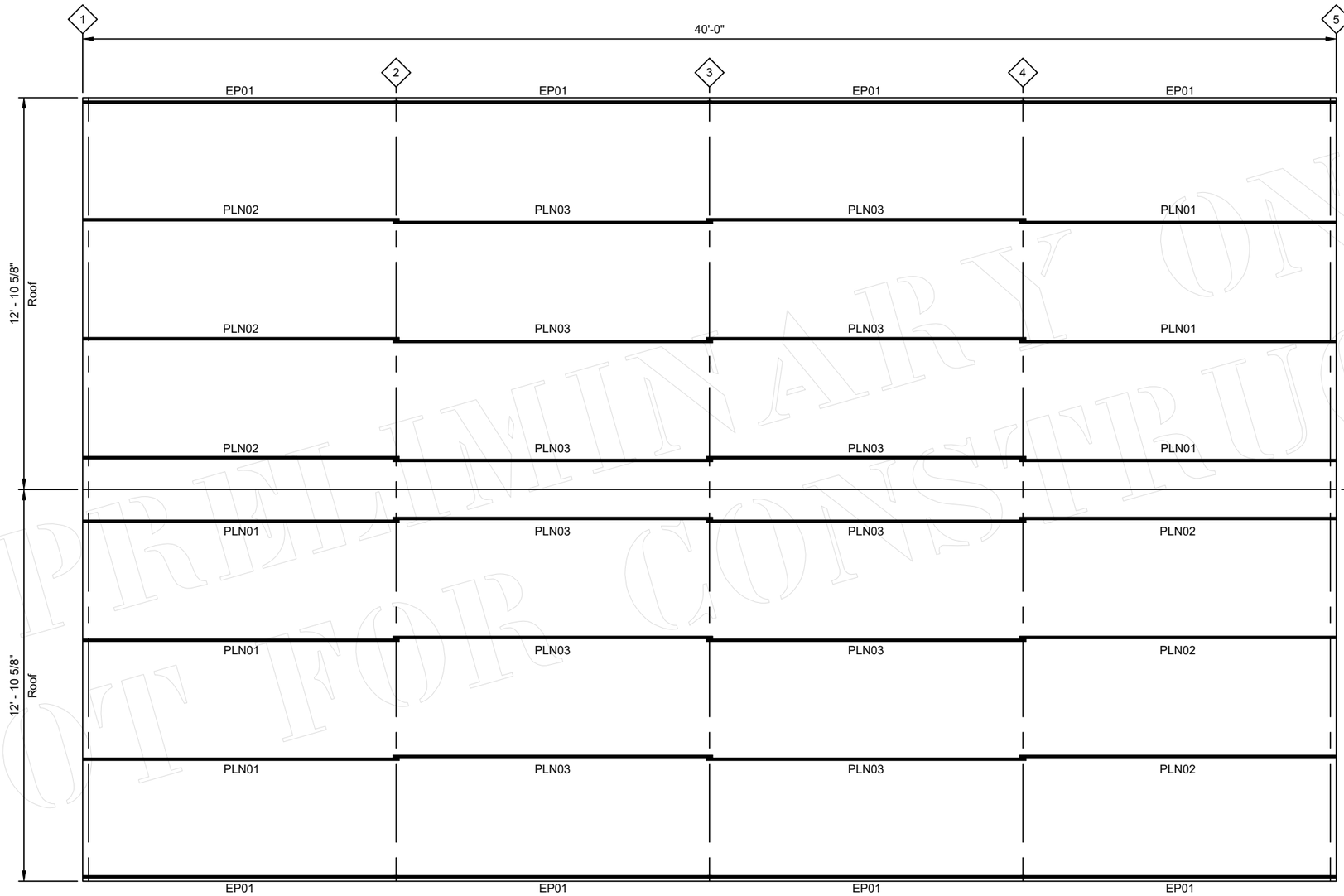
Portal Frame Details

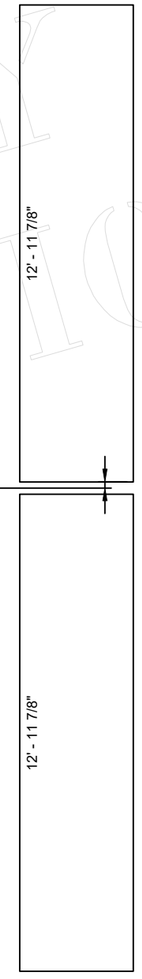
Robertson BUILDING SYSTEMS
Part of the Cornerstone Building Brands Family

JOBNO VNUJ1015380574
SHEET 6 of 13

DATE 8/22/2025
SCALE N/A

| MEMBER TABLE | | |
|---|---|---|
| Mark | Product | Length |
| EP01 | 6in x 3.5in 14G Eave Strut | 10' - 0" |
| PLN01 | 6" x 16ga. LGSI ZEE | 10' - 1 1/4" |
| PLN02 | 6" x 16ga. LGSI ZEE | 10' - 1 1/4" |
| PLN03 | 6" x 16ga. LGSI ZEE | 10' - 2 1/2" |




Roof Sheeting:
PBR-Panel 26G
Galvalume Plus



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# Roof Framing Plan

Robertson BUILDING SYSTEMS
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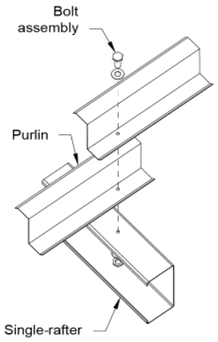
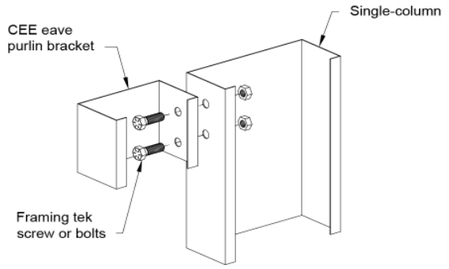
| | | | |
|---|---|---|---|
| JOBNO | VNUJ1015380574 | DATE | 8/22/2025 |
| SHEET | 7 of 13 | SCALE | 1/4" = 1'-0" |



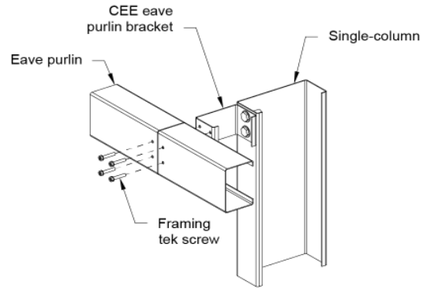

Purlin Rafter Single

https://r.actbs.com/g/abs453



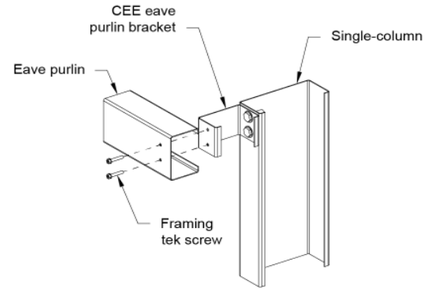

Eave Purlin Bracket Single CEE

https://r.actbs.com/g/abs085



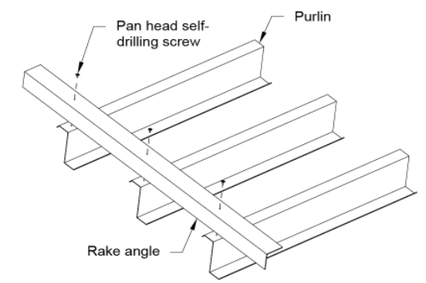

Eave Purlin Single CEE

https://r.actbs.com/g/abs076



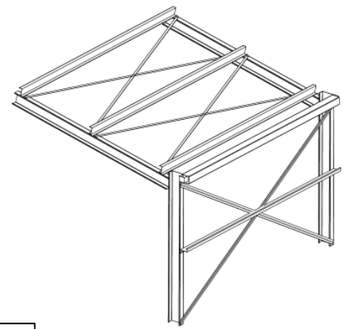

Eave Purlin End CEE

https://r.actbs.com/g/abs075



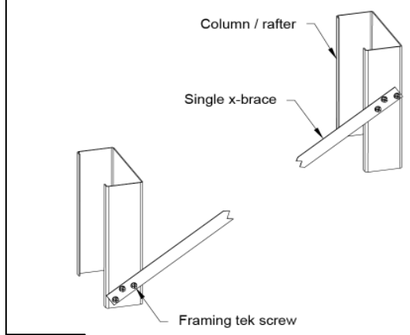

Rake Angle

https://r.actbs.com/g/abs465



X-Bracing

https://r.actbs.com/g/abs549




X-Bracing

https://r.actbs.com/g/abs545



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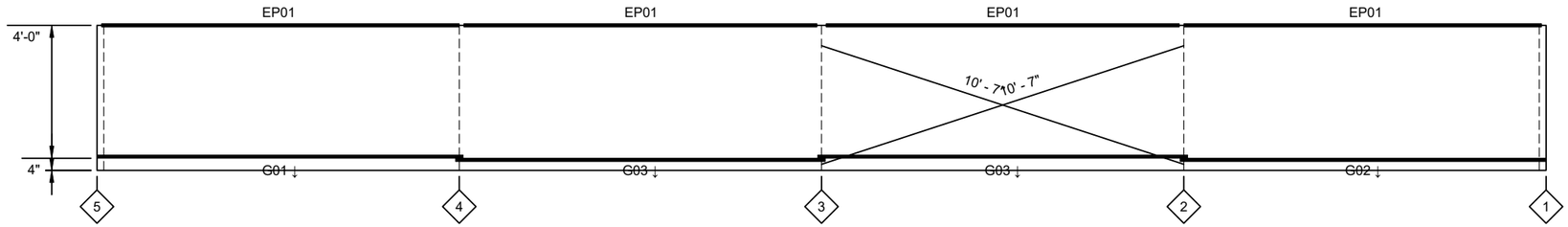
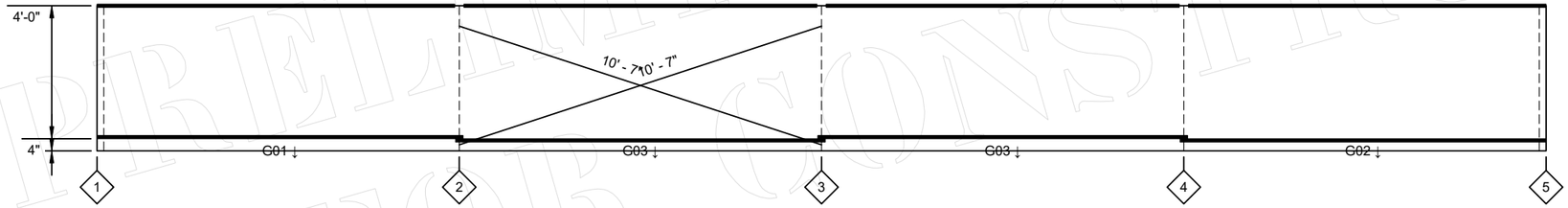



| MEMBER TABLE | | |
|---|---|---|
| Mark | Product | Length |
| EP01 | 6in x 3.5in 14G Eave Strut | 10' - 0" |
| G01 | 4" x 16ga. ZEE | 10' - 1 1/4" |
| G02 | 4" x 16ga. ZEE | 10' - 1 1/4" |
| G03 | 4" x 16ga. ZEE | 10' - 2 1/2" |
| ↑ OUTSIDE FLANGE OF GIRT POINTS UP | | |
| ↓ OUTSIDE FLANGE OF GIRT POINTS DOWN | | |

## 2/9 Sidewall B Girt Layout

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

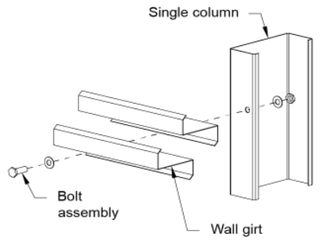
Frame Line B




## 1/9 Sidewall A Girt Layout

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

Frame Line A




Girt Column Single

https://r.actbs.com/g/abs221



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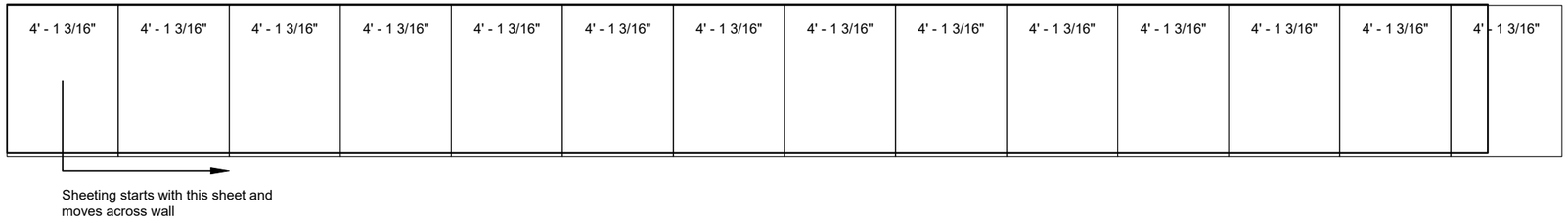
# Girt Layout Details

Robertson BUILDING SYSTEMS
Part of the Cornerstone Building Brands Family

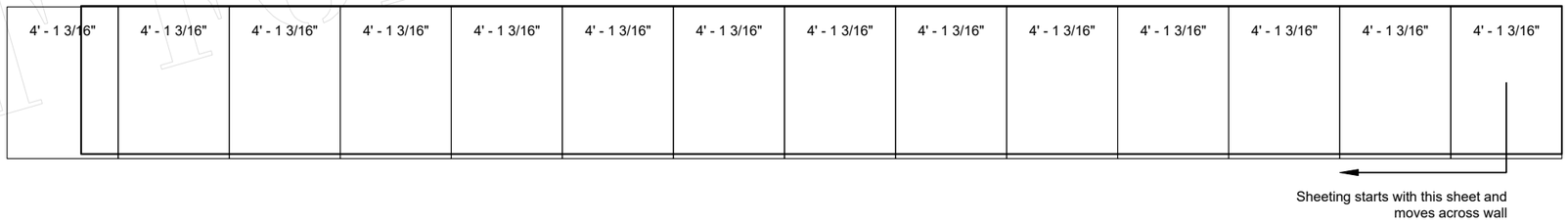
| | | | |
|---|---|---|---|
| JOBNO | VNUJ1015380574 | DATE | 8/22/2025 |
| SHEET | 10 of 13 | SCALE | N/A |




## 2/11 Sidewall B Sheeting Layout

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

Frame Line B




## 1/11 Sidewall A Sheeting Layout

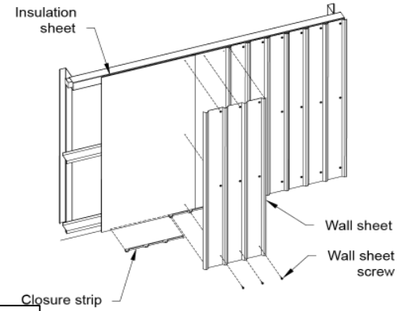
SCALE: 1/4" = 1'-0"

Frame Line A



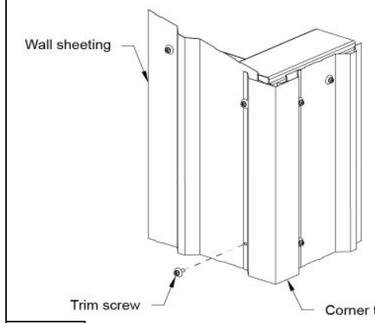
These illustrations are for reference only, and is to be used to supplement the engineering drawings. If any discrepancies occur, the engineering plans will always take precedence.

| Sheeting Layout | Robertson BUILDING SYSTEMS Part of the Cornerstone Building Brands Family | JOBNO VNUJ1015380574<br>SHEET 11 of 13 | DATE 8/22/2025<br>SCALE 1/4" = 1'-0" | ACT |
|---|---|---|---|---|



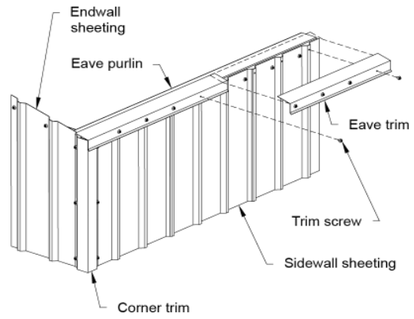

Wall Sheeting Overview

https://r.actbs.com/g/abs537



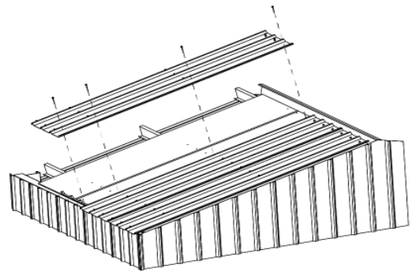

Corner Trim

https://r.actbs.com/g/abs065



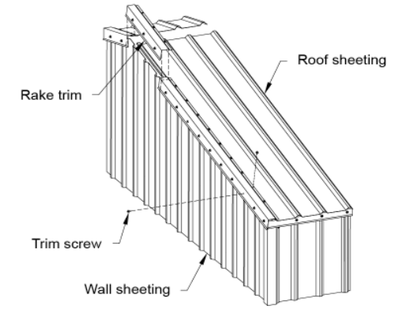

Eave Trim

https://r.actbs.com/g/abs117



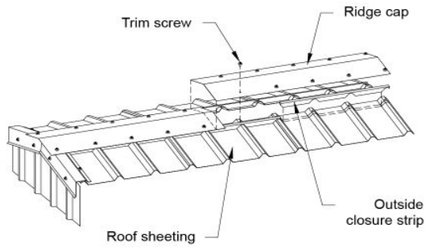
Roof Sheeting

https://r.actbs.com/g/abs477




Rake Trim

https://r.actbs.com/g/abs209




Ridge Cap

https://r.actbs.com/g/abs469



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# Sheeting Layout Details

Robertson BUILDING SYSTEMS
Part of the Cornerstone Building Brands Family

| | | | |
|---|---|---|---|
| JOBNO | VNUJ1015380574 | DATE | 8/22/2025 |
| SHEET | 12 of 13 | SCALE | N/A |

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.

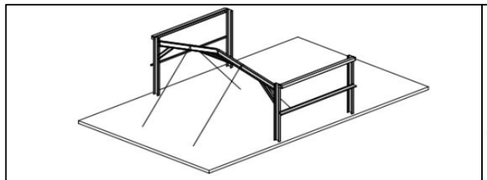
Fig 1. Frame First Temporary Bracing on First Rafter Installed

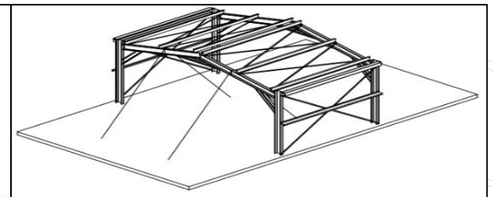
Fig 2. Temporary Bracing Installed as X Bracing

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.

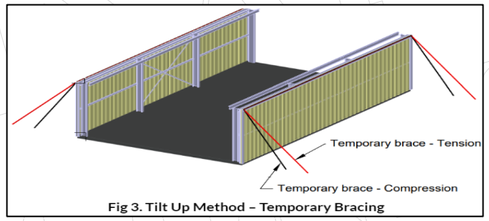

Fig 3. Tilt Up Method – Temporary Bracing

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.