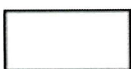


City Boundary

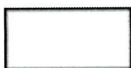


Addresses



Parcels Boundaries

Address Labels



Common Areas

Parcel Acreage



City of Watertown Geographic Information System

Scale: 1:319 Printed on: August 8, 2025
Author: SCALE BAR = 1"

DISCLAIMER: This map is not a substitute for an actual field survey or onsite investigation. The accuracy of this map is limited to the quality of the reports from which it was assembled. Other inherent inaccuracies occur during the compilation process. City of Watertown makes no warranty whatsoever concerning this information.

Richard Fitzgerald

Building Type

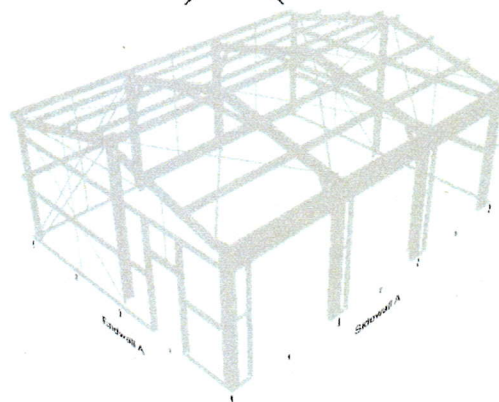
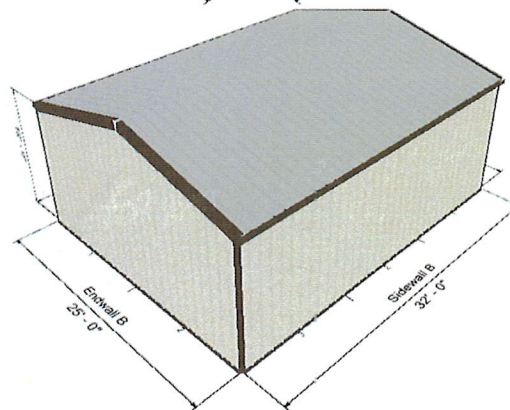
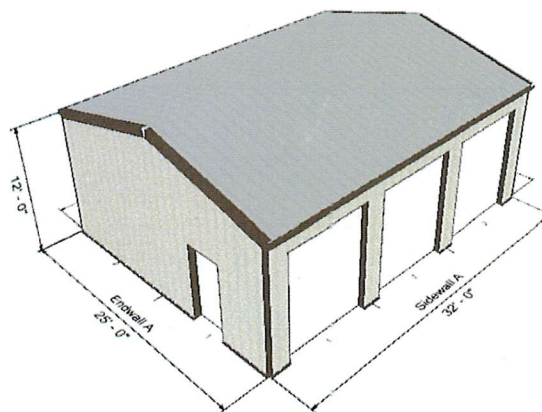
25' - 0" wide x 32' - 0" long x 12' - 0" high building
with roof pitch of 3:12

Building Options

(3) 8'x10' framed openings for Sectional Door
(1) 3' - 4"x7' - 2" framed opening for Personnel Door
Roof finish: 26G galvalume
Wall finish: 26G painted
Trim finish: 26G painted
Gutter & Down finish: 26G painted

Stamped Engineering Plans

30 psf ground snow load
115 mph wind speed, exposure 'C'
2015 IBC



CONSTRUCTION PACKAGE FOR COLD FORMED STEEL BUILDING
CREATED FOR RICHARD FITZGERALD
JOB NUMBER 1013704234

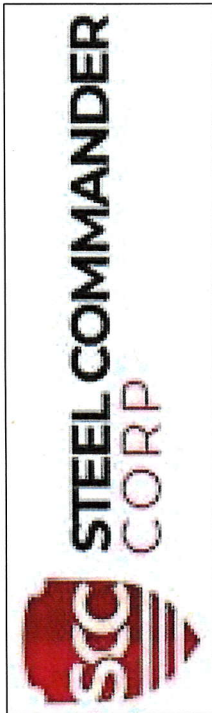


TABLE OF CONTENTS

Building Layout Plan	2
Anchor Bolt Details	3
Portal Frame Sections	5
Roof Framing Plan	9
Get Layout	11
Sheeting Layout	15

CONSTRUCTION PACKAGE NOTES

This construction package is to be used in conjunction with the created order for the job. All lengths and piece counts are based on the provided layout. If you are unable to locate the 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 mechanical insulation that will take extra time and care during the construction process. Please take precautions:

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 PLANS
- COPY OF THE ORDER

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



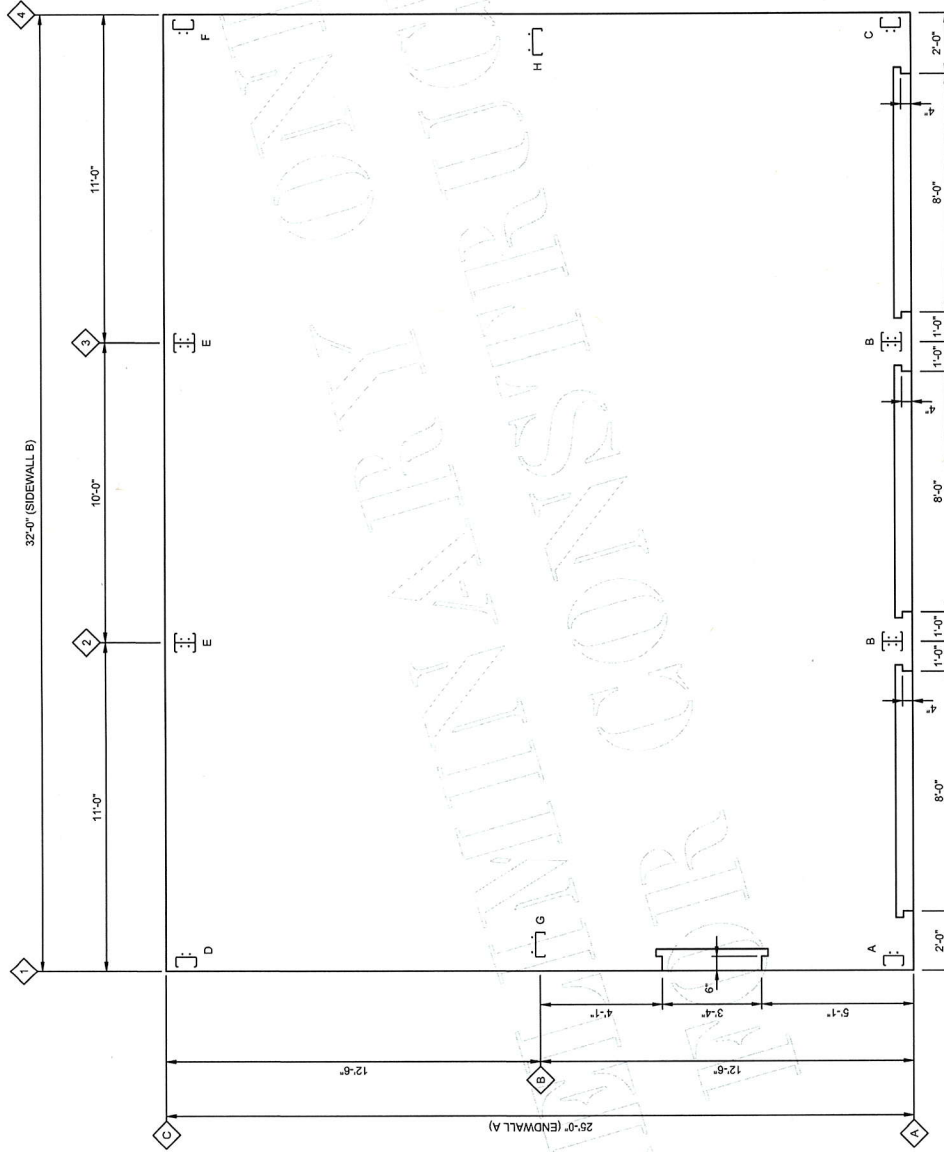
INSTALLATION MANUALS
<http://bit.ly/ACTInstallManuals>



CONSTRUCTION VIDEOS
<http://bit.ly/ACTConstructionVids>



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



QTY	ANCHOR BOLTS	LOCATION	DIA
24	SIDEWALL COLUMNS	1/2"	
4	ENDWALL COLUMNS	1/2"	
8	DOOR JAMB	1/2"	
7	GRT FLANGE BRACING	1/2"	

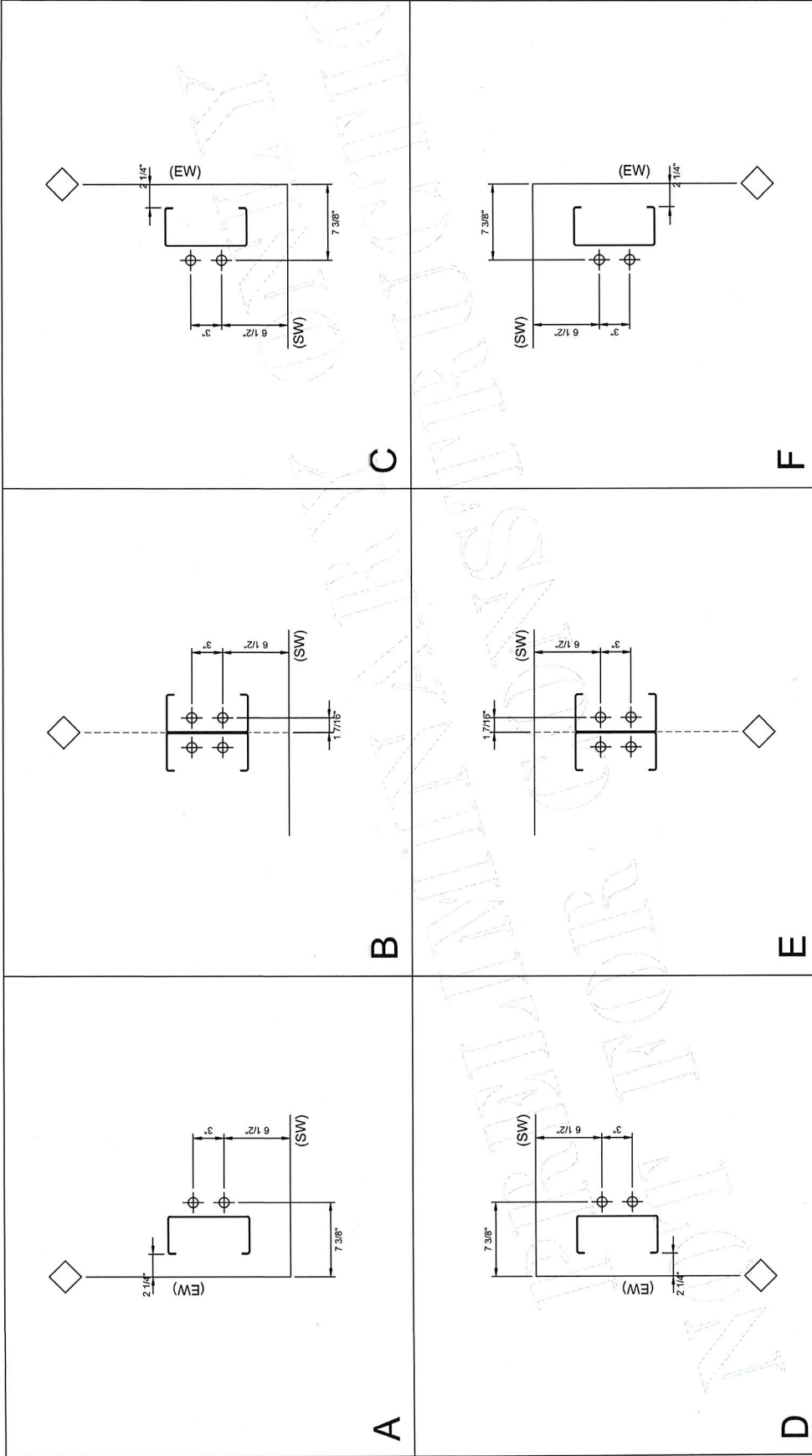
These illustrations are for reference only, and is to be used to supplement the engineering drawings. If any discrepancies occur, the engineering plans will always take precedence.


STEEL COMMANDER CORP

JOB NO YSUI1013704234
SHEET 2 of 19

DATE 8/7/2025
SCALE 1/4" = 1'-0"

Building Layout Plan



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

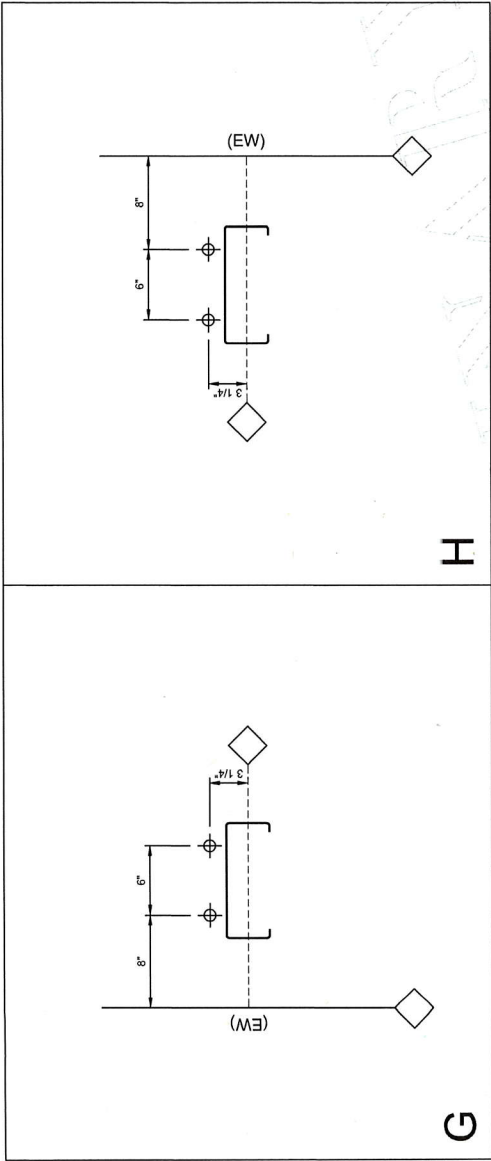


DATE 8/7/2025
SCALE N/A

YSU1013704234
SHEET 3 of 19

STEEL COMMANDER
CORP

Anchor Bolt Details



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.



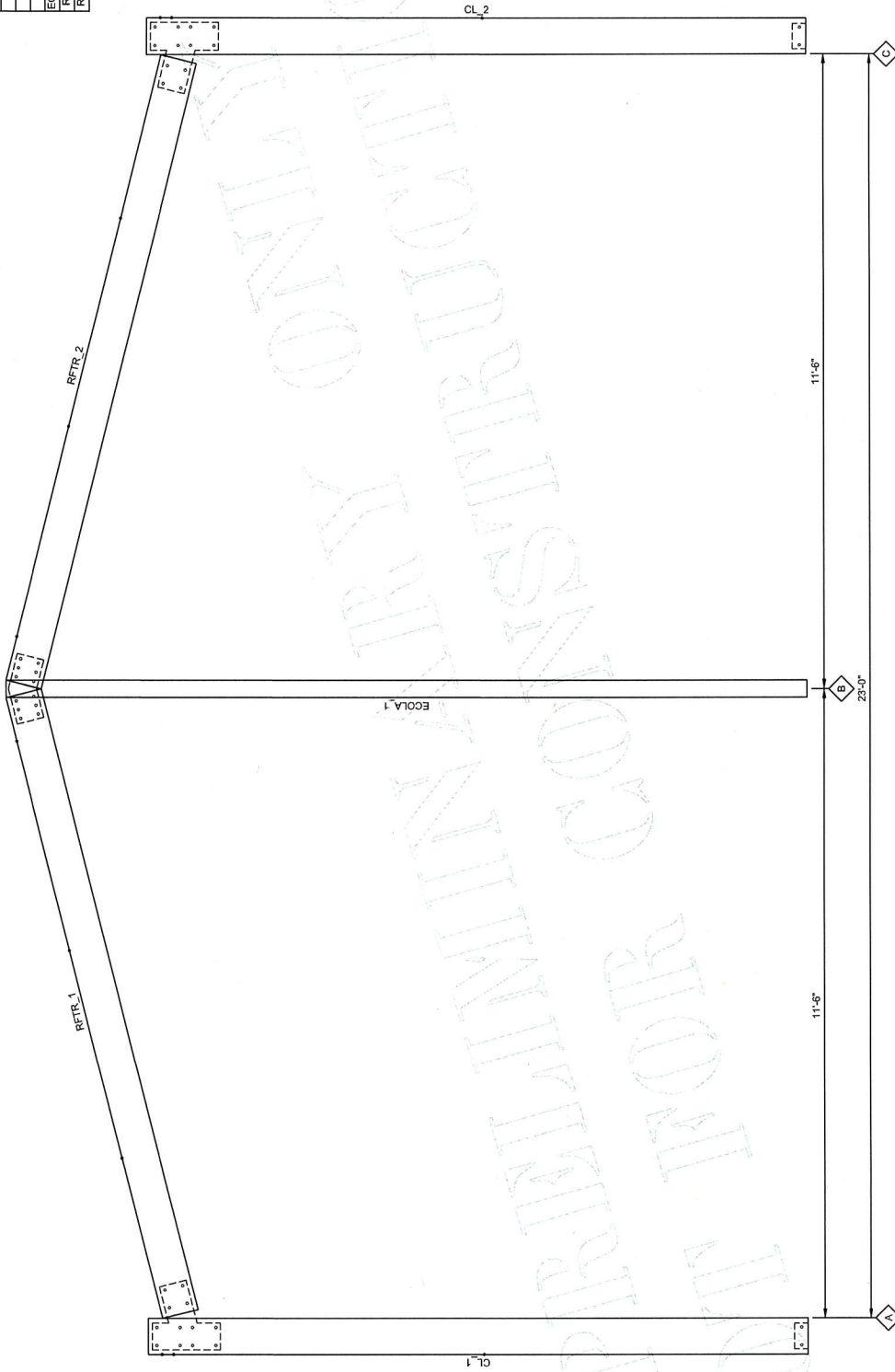
DATE 8/7/2025
SCALE N/A

YSU1013704234
4 of 19

STEEL COMMANDER
CORP
JOB NO
SHEET

Anchor Bolt Details

MEMBER TABLE		
Mark	Product	Length
CL 1	8" x 14ga. CEE	11'-11 15/16"
CL 2	8" x 14ga. CEE	11'-11 15/16"
ECOLA 1	10" x 14ga. CEE	14'-6 7/8"
RFTR 1	8" x 14ga. CEE	11'-8 1/4"
RFTR 2	8" x 14ga. CEE	11'-8 1/4"



1 Portal Section
5 SCALE: 1/2" = 1'-0"

Frame Line 1

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

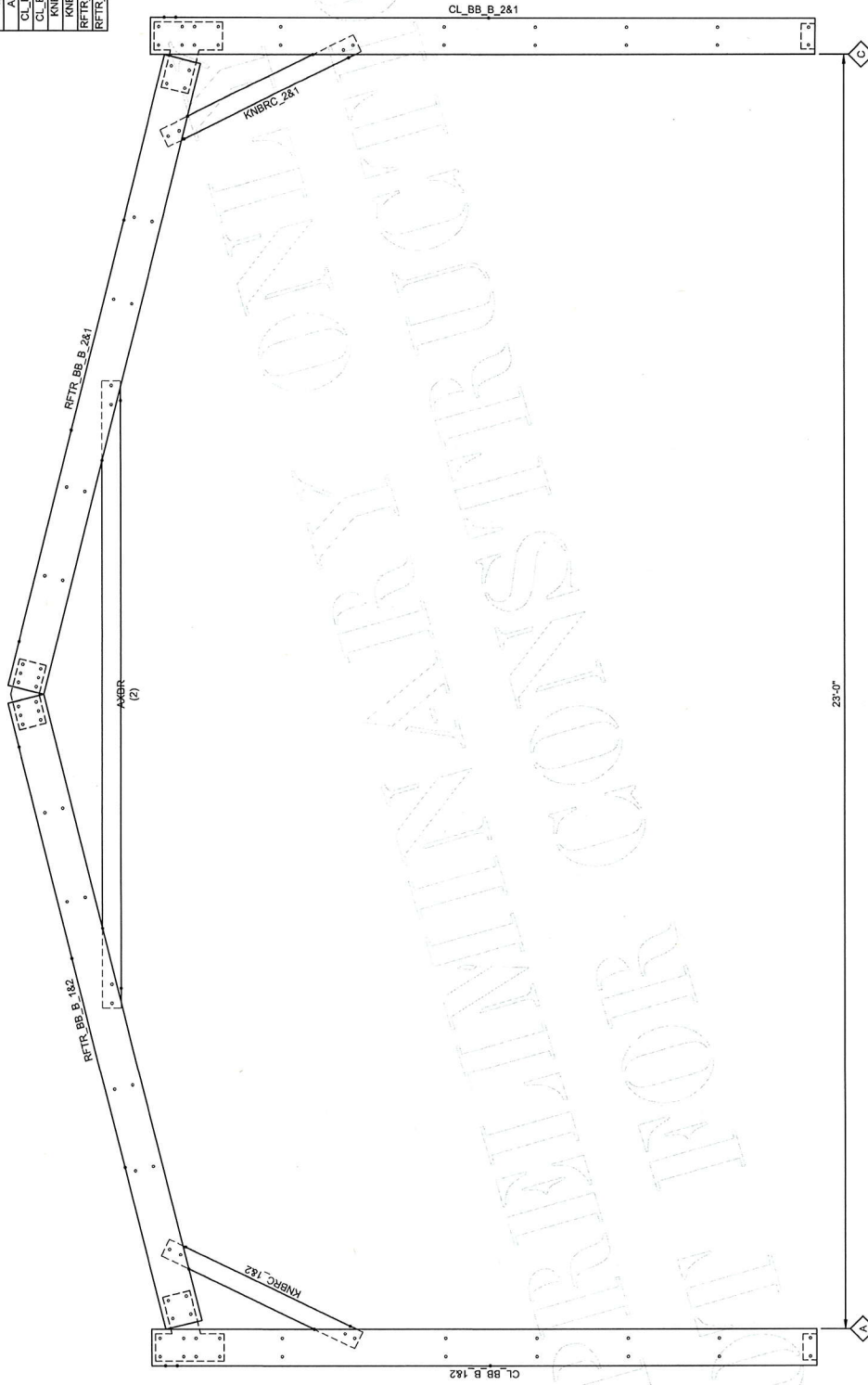
Portal Frame Sections

STEEL COMMANDER CORP.
JOB NO. YSUI1013704234
SHEET 5 of 19

DATE 8/7/2025
SCALE 1/2" = 1'-0"



MEMBER TABLE			
Mark	Product	Length	
AXBR	4" x 16ga. CEE	11' - 3 1/2"	
CL_BB_B_1	8" x 14ga. CEE	11' - 11 15/16"	
CL_BB_B_2	8" x 14ga. CEE	11' - 11 15/16"	
KNBRC_1	4" x 16ga. CEE	3' - 10 3/8"	
KNBRC_2	4" x 16ga. CEE	3' - 10 3/8"	
RFTR_BB_B_1	8" x 14ga. CEE	11' - 8 1/4"	
RFTR_BB_B_2	8" x 14ga. CEE	11' - 8 1/4"	



1 Portal Section
6 SCALE: 1/2" = 1'-0"

Frame Lines 2, 3

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

STEEL COMMANDER CORP

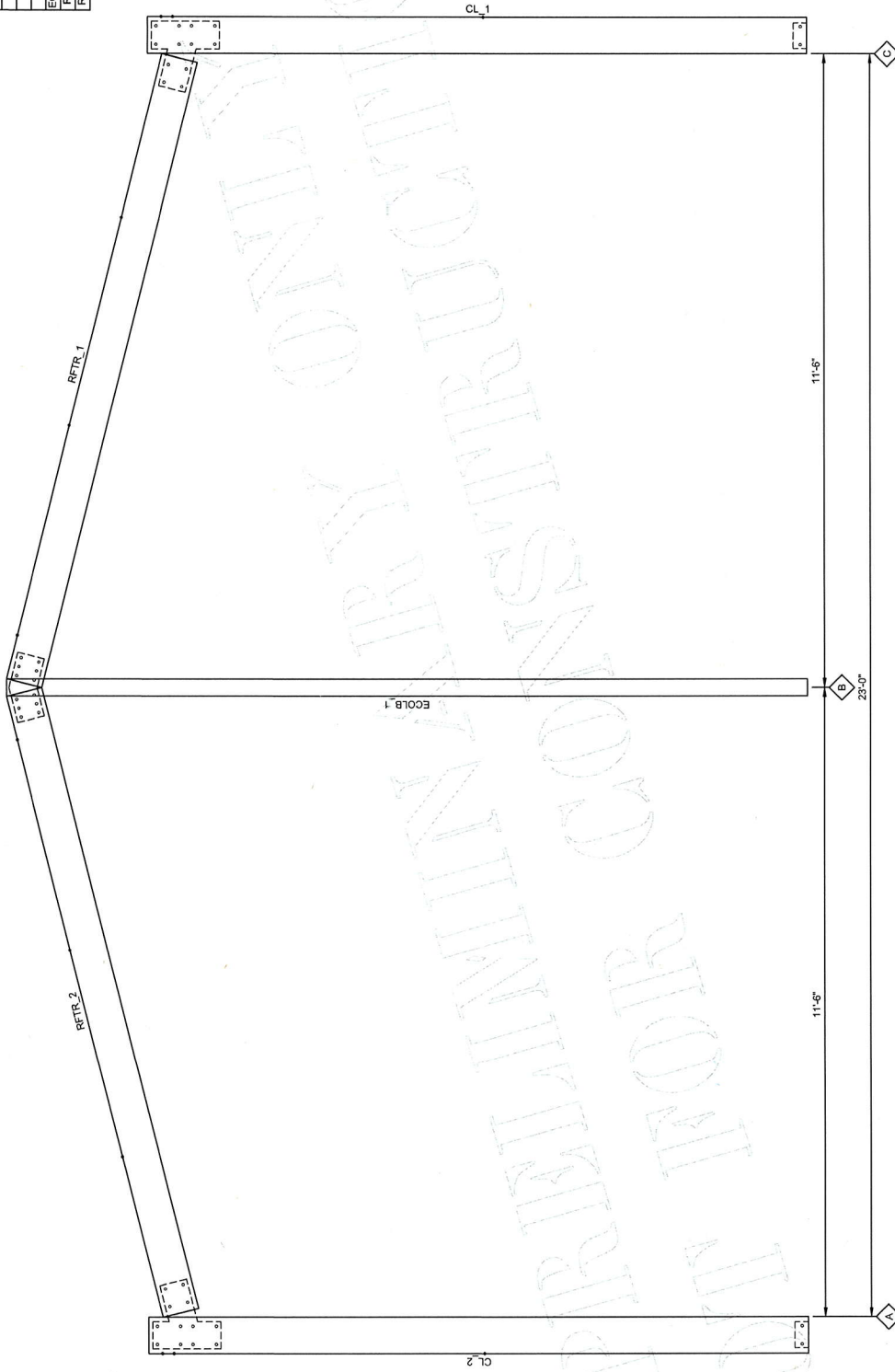
DBNO
 SHEET

YSUI1013704234
 6 of 19

DATE 8/7/2025
 SCALE 1/2" = 1'-0"

Portal Frame Sections

MEMBER TABLE		
Mark	Product	Length
CL 1	8" x 14ga. CEE	11' - 11 15/16"
CL 2	8" x 14ga. CEE	11' - 11 15/16"
ECOLB 1	10" x 14ga. CEE	14' - 6 7/8"
RFTR 1	8" x 14ga. CEE	11' - 8 1/4"
RFTR 2	8" x 14ga. CEE	11' - 8 1/4"



1 Portal Section
7 SCALE: 1/2" = 1'-0"

Frame Line 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.

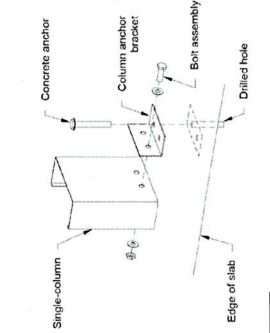
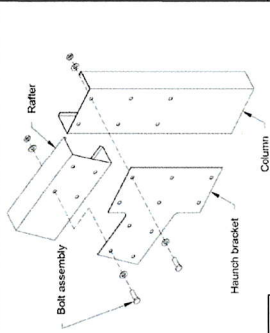
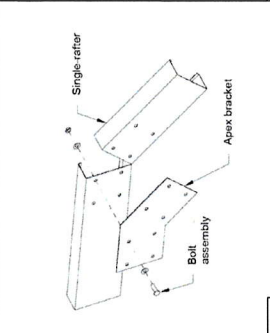
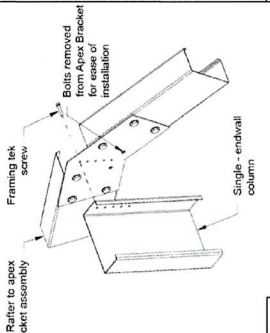
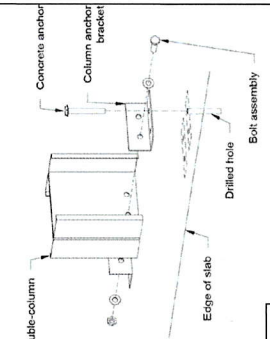
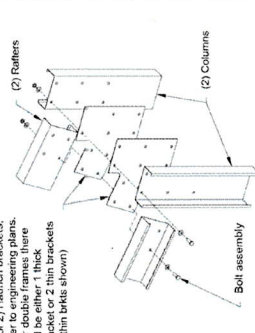
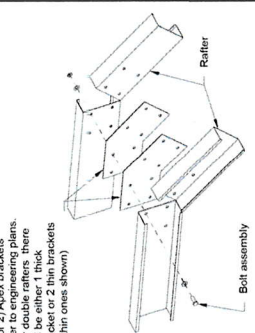
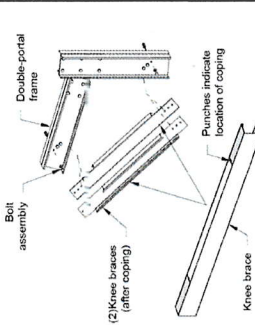
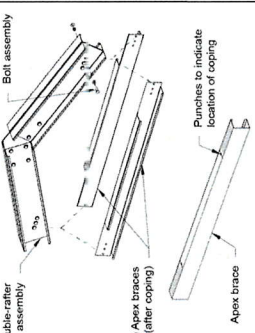


DATE 8/7/2025
SCALE 1/2" = 1'-0"

YSU1013704234
SHEET 7 of 19

STEEL COMMANDER
CORP

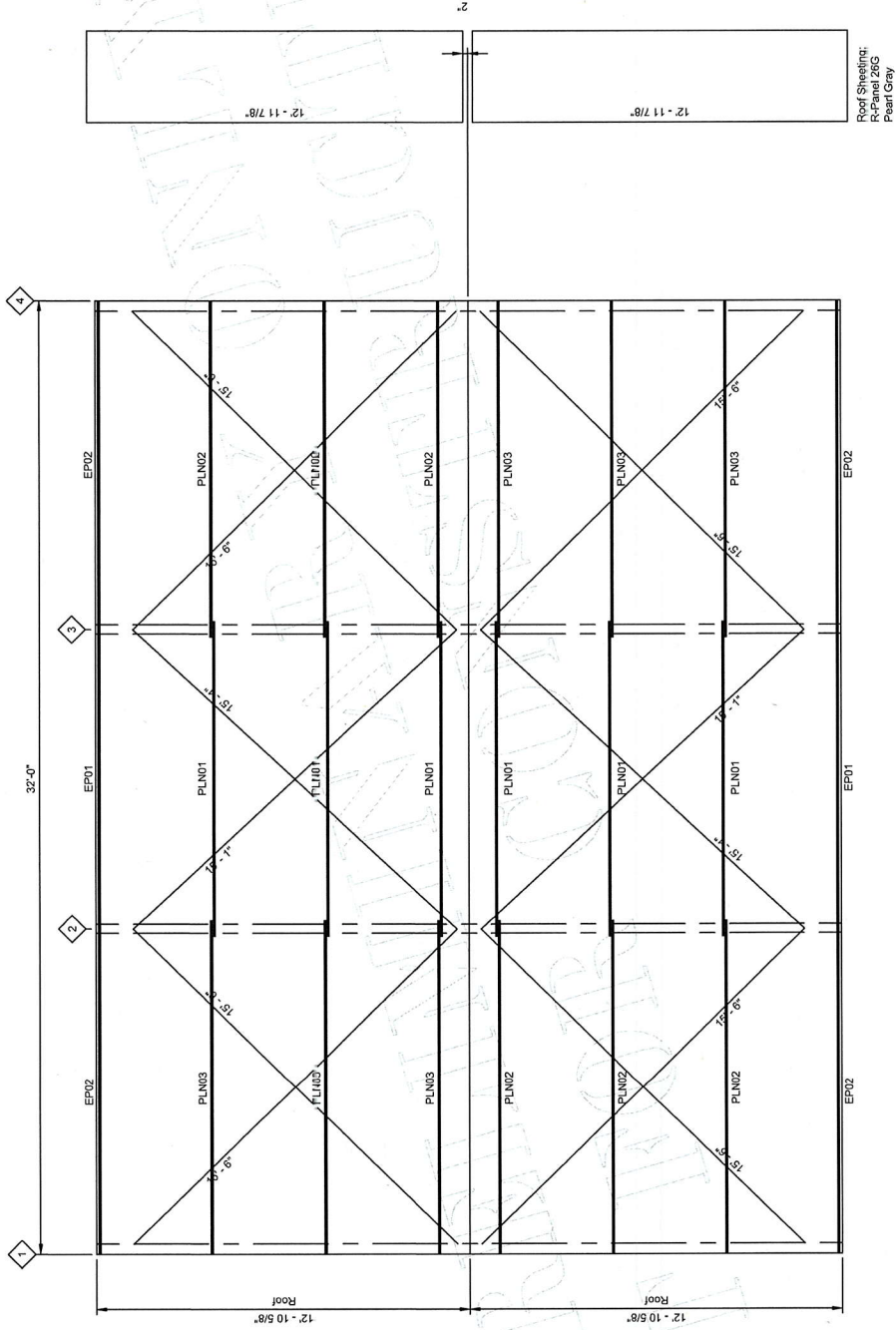
Portal Frame Sections

 Single-column Concrete anchor Column anchor bracket Bolt assembly Drilled hole Edge of slab	 Rafter Column Haunch bracket Bolt assembly	 Single rafter Apex bracket Bolt assembly	 Rafter to apex bracket assembly Framing tek screw Single - endwall column Bolts removed for ease of installation	 Double-column Concrete anchor Column anchor bracket Bolt assembly Drilled hole Edge of slab
 Single Base Bracket https://r.adco.com/gba0255	 Single Haunch Bracket https://r.adco.com/gba0265	 Single Apex Bracket https://r.adco.com/gba0271	 Endwall Column to Rafter Peak https://r.adco.com/gba0181	 Double Base Bracket https://r.adco.com/gba0271
 (1 or 2) Haunch brackets. For double frames there will be either 1 thick bracket or 2 thin brackets (2 thin links shown) (2) Rafters (2) Columns Bolt assembly	 Rafter Bolt assembly	 (2) Knee braces (after coping) Double portal frame Bolt assembly Punches indicate location of coping Knee brace	 (2) Apex braces (after coping) Double rafter assembly Punches to indicate location of coping Apex brace	 (2) Knee braces (after coping) Double portal frame Bolt assembly Punches indicate location of coping Knee brace
 Double Haunch Bracket https://r.adco.com/gba0265	 Double Apex Bracket https://r.adco.com/gba0177	 Double Knee Brace https://r.adco.com/gba0285	 Double Apex Brace https://r.adco.com/gba0271	 Double Base Bracket https://r.adco.com/gba0271

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		 STEEL COMMANDER CORP	DBNO SHEET	YSUI1013704234 8 of 19	DATE SCALE	8/7/2025 N/A
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MEMBER TABLE		
Mark	Product	Length
EP01	8 in x 2.75 Eave Strut 1.6 Gauge	10' - 0"
EP02	8 in x 2.75 Eave Strut 1.6 Gauge	11' - 0"
PLN01	6" x 16ga. ZEE	10' - 6 1/2"
PLN02	6" x 16ga. ZEE	11' - 3 1/4"
PLN03	6" x 16ga. ZEE	11' - 3 1/4"



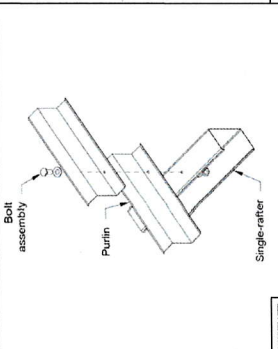
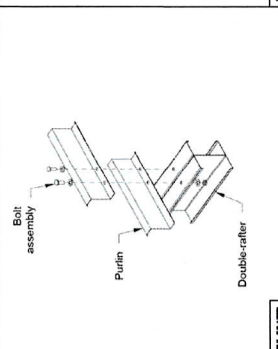
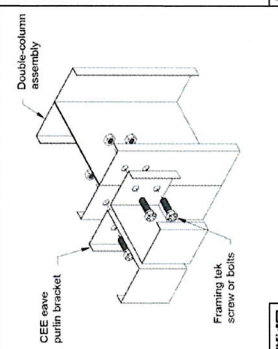
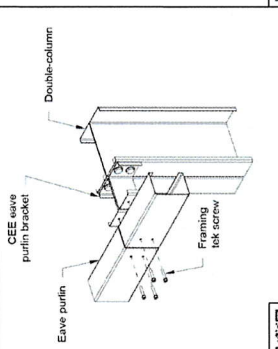
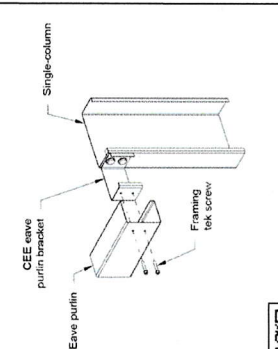
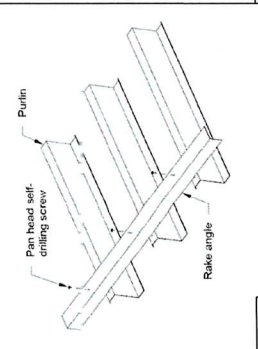
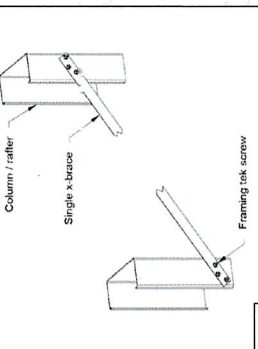
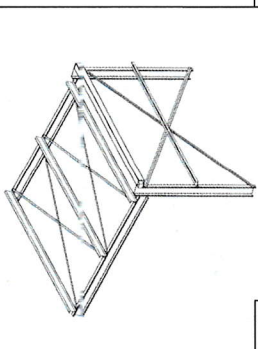
These illustrations are for reference only, and it is to be used to supplement the engineering drawings. If any discrepancies occur, the engineering plans will always take precedence.

STEEL COMMANDER CORP

Roof Framing Plan

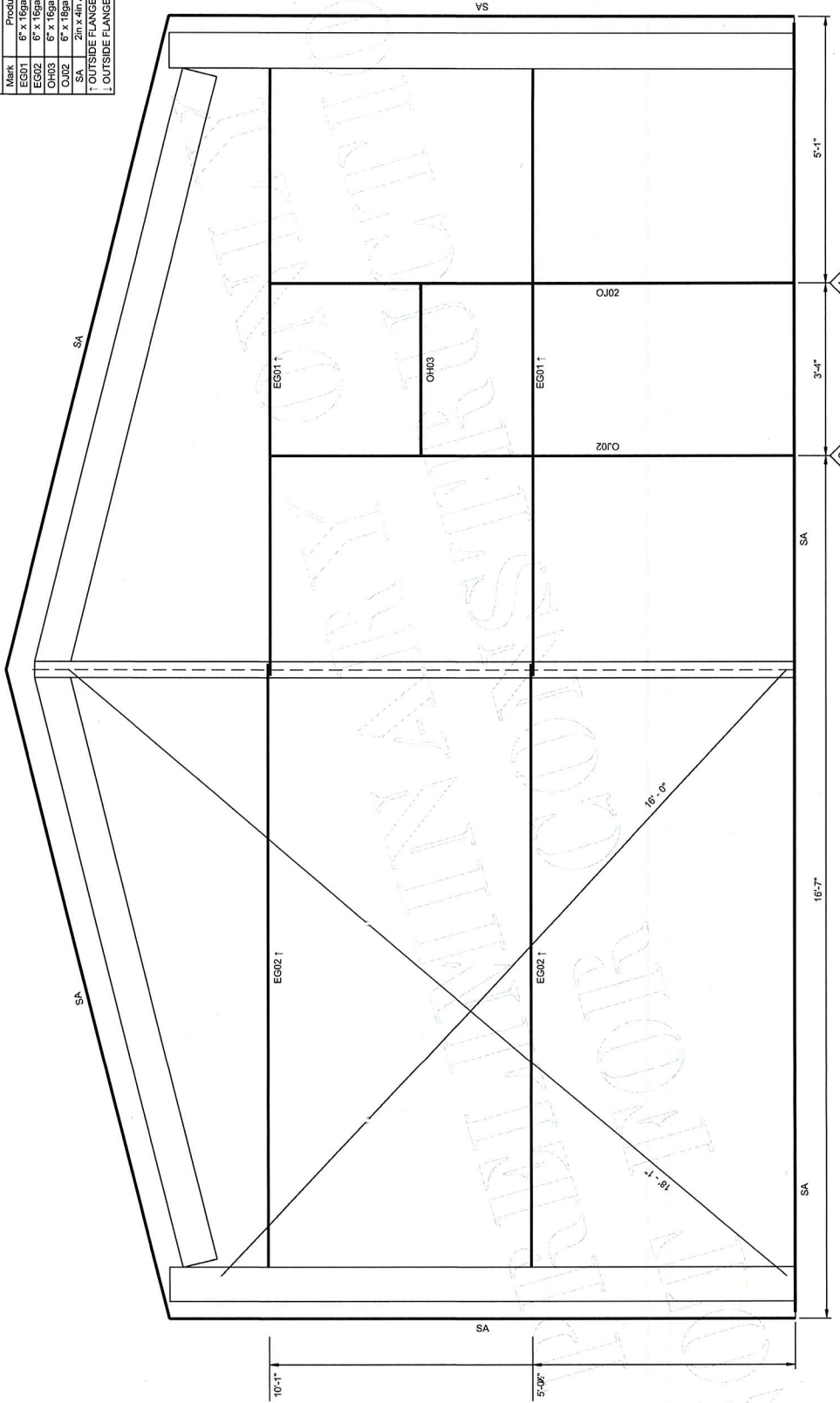
JOB NO YSUI1013704234
SHEET 9 of 19

DATE 8/7/2025
SCALE 1/4" = 1'-0"

 Bolt assembly Purlin Single-rafter	 https://aetis.com/gba6453	Purlin Rafter Single
 Bolt assembly Purlin Double-rafter	 https://aetis.com/gba6445	Purlin Rafter Double
 Double-column assembly CEE eave purfin bracket Framing tek screw or bolts Double-column	 https://aetis.com/gba6477	Eave Purfin Bracket Double CEE
 CEE eave purfin bracket Eave purfin Framing tek screw	 https://aetis.com/gba6474	Eave Purfin Double CEE
 CEE eave purfin bracket Eave purfin Framing tek screw	 https://aetis.com/gba6475	Eave Purfin End CEE
 Purlin Pan head self-drilling screw Rake angle	 https://aetis.com/gba6461	Rake Angle
 Column / rafter Single x-brace Framing tek screw	 https://aetis.com/gba6455	X-Bracing
	 https://aetis.com/gba6459	X-Bracing

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.

MEMBER TABLE		
Mark	Product	Length
EG01	6" x 16ga ZEE	11'-7 3/8"
EG02	6" x 16ga ZEE	11'-7 3/8"
OH03	6" x 16ga CEE	8'-4"
OJ02	6" x 16ga CEE	10'-1"
SA	2in x 4in Angle	Stock Length
* OUTSIDE FLANGE OF GIRT POINTS UP		
, OUTSIDE FLANGE OF GIRT POINTS DOWN		



3 Endwall A Girt Layout

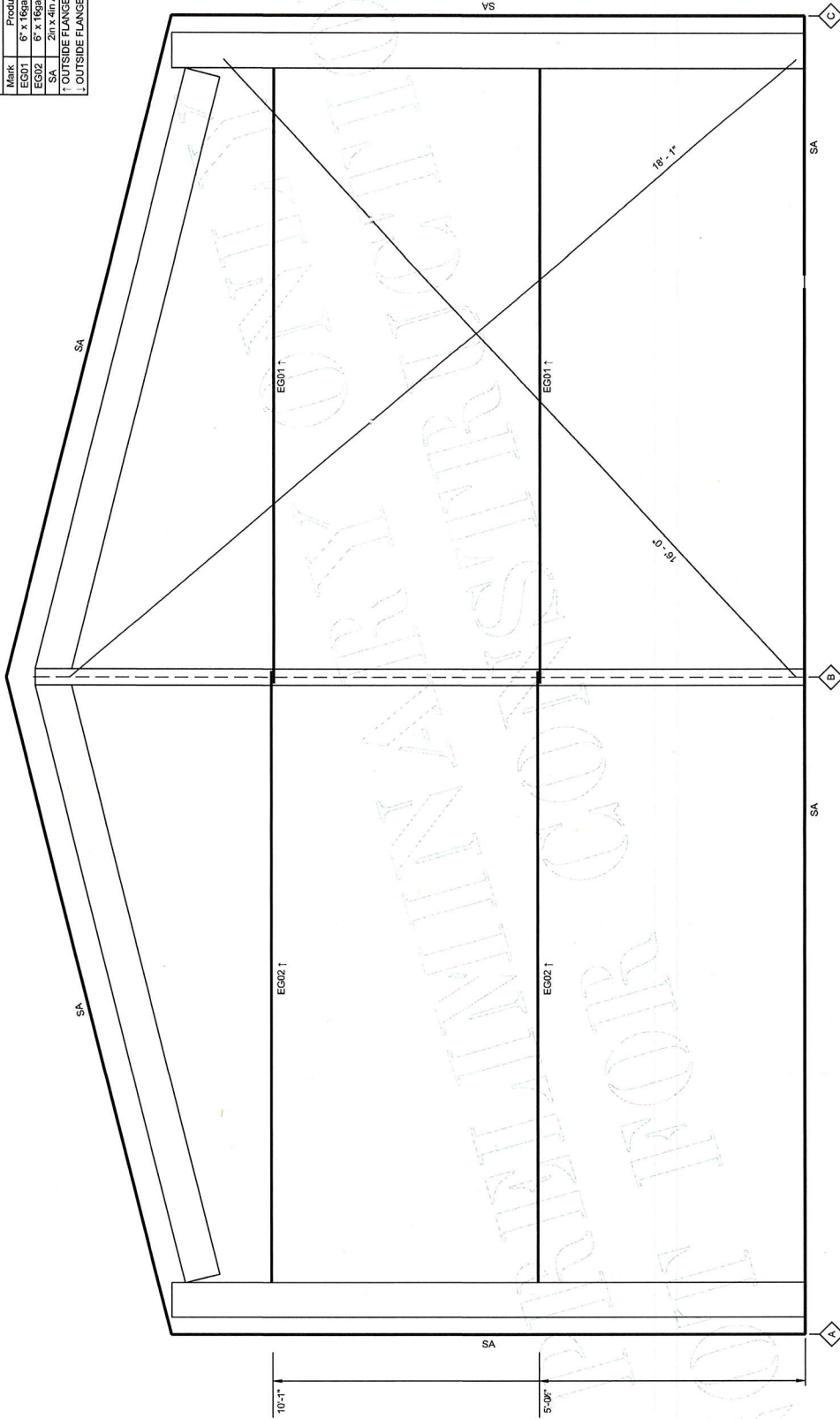
SCALE: 1/2" = 1'-0"

Frame Line 1

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.

Girt Layout	STEEL COMMANDER CORP	JOB NO YSUI1013704234	SHEET 11 of 19	DATE 8/7/2025	SCALE 1/2" = 1'-0"

MEMBER TABLE		
Mark	Product	Length
EG01	6" x 18ga ZEE	11'-7 3/8"
EG02	6" x 18ga ZEE	11'-7 3/8"
SA	2x6x14s Angls	Stock Length
OUTSIDE FLANGE OF GIRT POINTS UP		
OUTSIDE FLANGE OF GIRT POINTS DOWN		



3 Endwall B Girt Layout

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

Frame Line 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.

Girt Layout

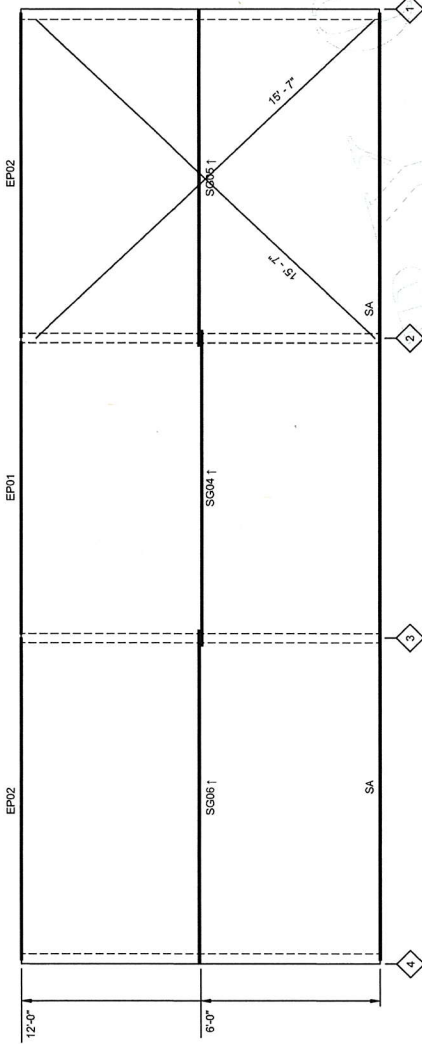
STEEL COMMANDER CORP
SHEET

YSJ11013704234
12 of 19

DATE 8/7/2025
SCALE 1/2" = 1'-0"

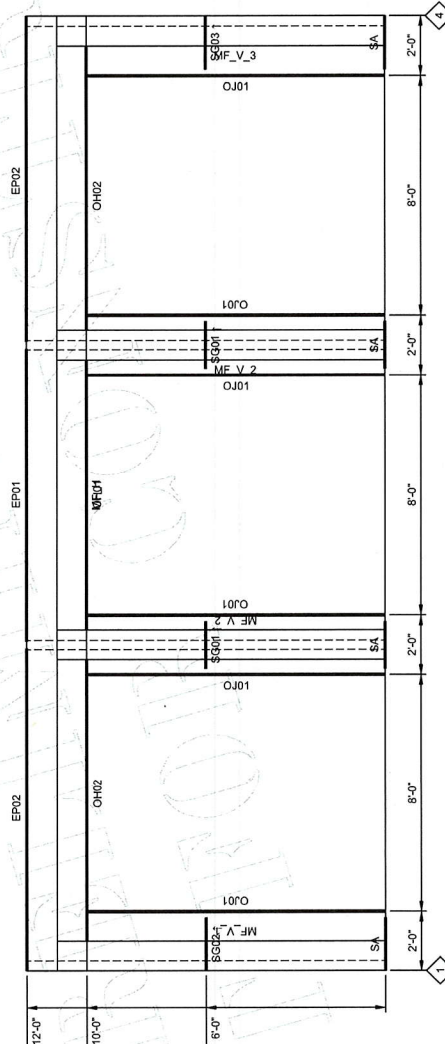


Mark	Product	Length
EP01	8 in x 2.75 Eave Strut 16 Gauge	10'-0"
EP02	8 in x 2.75 Eave Strut 16 Gauge	11'-0"
MF_V_1	12 x 14ga. CEE	32'-0"
MF_V_2	12 x 14ga. CEE	11'-0"
MF_V_3	12 x 14ga. CEE	11'-0"
OH01	4 in x 3 in 16G Channel	11'-0"
OH02	4 in x 3 in 16G Channel	9'-0"
OJ01	4 x 16ga. CEE	10'-0"
SA	2 in x 4 in Angle	1'-7"
SG01	4 x 14ga. ZEE	1'-9 1/2"
SG02	4 x 14ga. ZEE	1'-9 1/2"
SG03	4 x 14ga. ZEE	10'-6 1/2"
SG04	4 x 14ga. ZEE	11'-3 1/4"
SG05	4 x 14ga. ZEE	11'-3 1/4"
SG06	4 x 14ga. ZEE	11'-3 1/4"



2 Sidewall B Girt Layout

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



1 Sidewall A Girt Layout

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

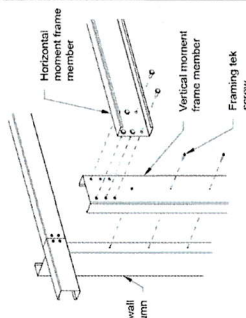
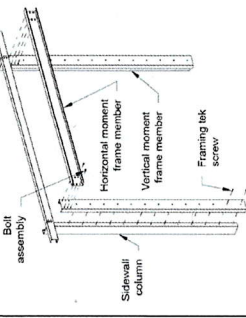
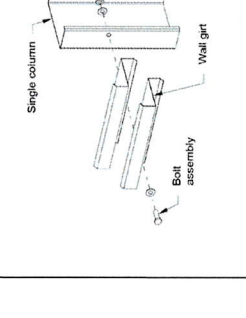
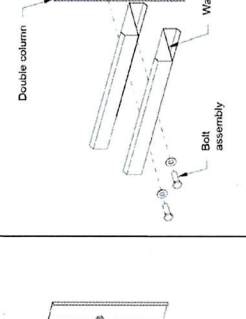
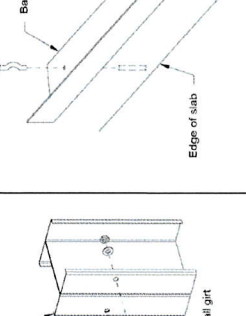
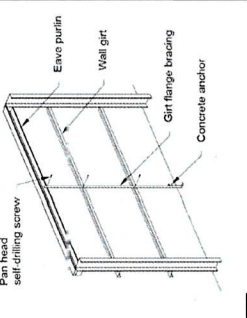
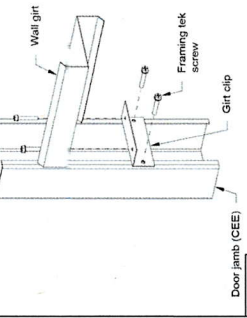
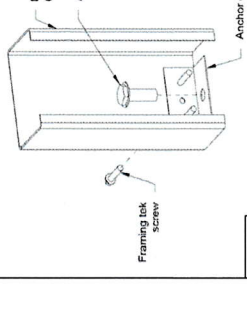
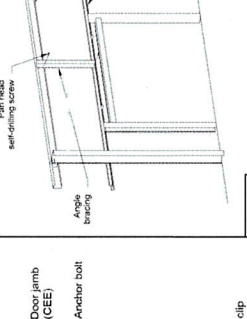
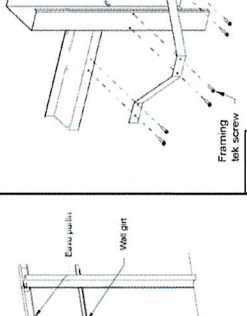
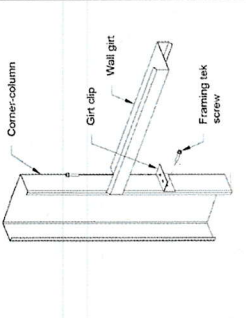
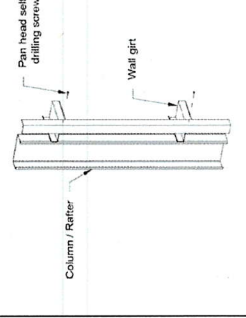
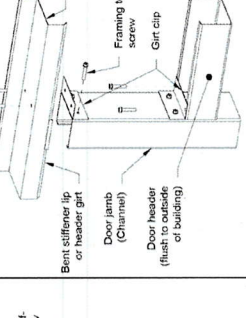
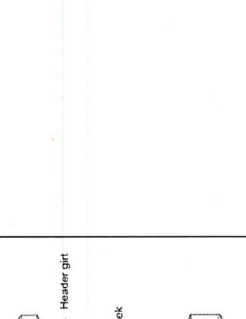
These illustrations are for reference only, and is to be used to supplement the engineering drawings. If any discrepancies occur, the engineering plans will always take precedence.

Girt Layout

STEEL COMMANDER CORP.
YOUNG & RUBICAM
YOUNG & RUBICAM
YOUNG & RUBICAM

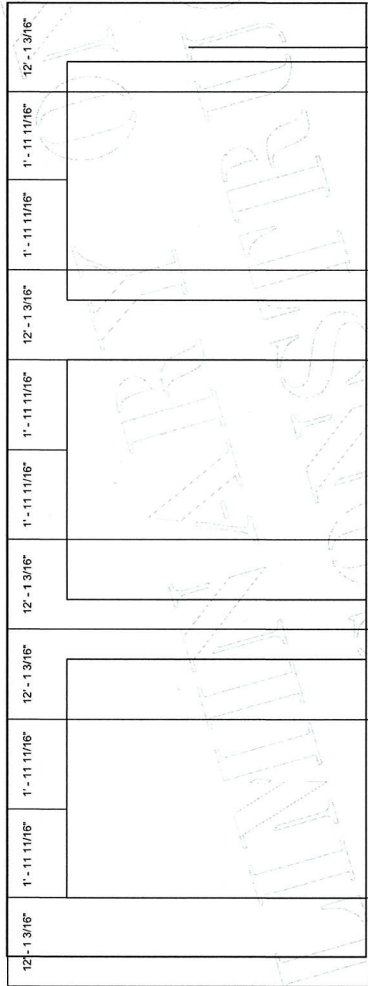
DATE 8/7/2025
SCALE 1/4" = 1'-0"



 Horizontal moment frame member Vertical moment frame member Bolt assembly Side wall column Framing tek screw	 Horizontal moment frame member Vertical moment frame member Bolt assembly Side wall column Framing tek screw	 Single column Wall girt Bolt assembly	 Double column Wall girt Bolt assembly	 Base angle Fastening anchors (see engineering plans) Edge of slab Holes drilled in concrete	 Pan head self-drilling screw Eave purlin Wall girt Girt flange bracing Concrete anchor	 Door jamb (CEE) Wall girt Framing tek screw Girt clip Door jamb (CEE)	 Door jamb (CEE) Anchor bolt Framing tek screw Anchor clip	 Pan head self-drilling screw Angle bracing Wall girt	 Single column Wall girt Framing tek screw Flybracing	 Corner column Girt clip Wall girt Framing tek screw	 Pan head self-drilling screw Wall girt Column / Rafter	 Bent stiffener lip or header girt Door jamb (Channel) Framing tek screw Girt clip Door header (flush to exterior of building)	 Door jamb (CEE) Wall girt Framing tek screw Girt clip Door jamb (CEE)	 Door jamb (CEE) Anchor bolt Framing tek screw Anchor clip
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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.

PROTECTED INFORMATION



Sheeting starts with this sheet and moves across wall

Sidewall A Sheeting Layout

1
15

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

STEEL COMMAND CORP

DBNO SHEET

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SCALE 1/4" = 1'-0"



PROTECTED INFORMATION

12' - 1 3/16"	12' - 1 3/16"	12' - 1 3/16"	12' - 1 3/16"	12' - 1 3/16"	12' - 1 3/16"	12' - 1 3/16"	12' - 1 3/16"	12' - 1 3/16"	12' - 1 3/16"	12' - 1 3/16"
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Sheeting starts with this sheet and moves across wall

1 Sidewall B Sheeting Layout

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

Frame Line C

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

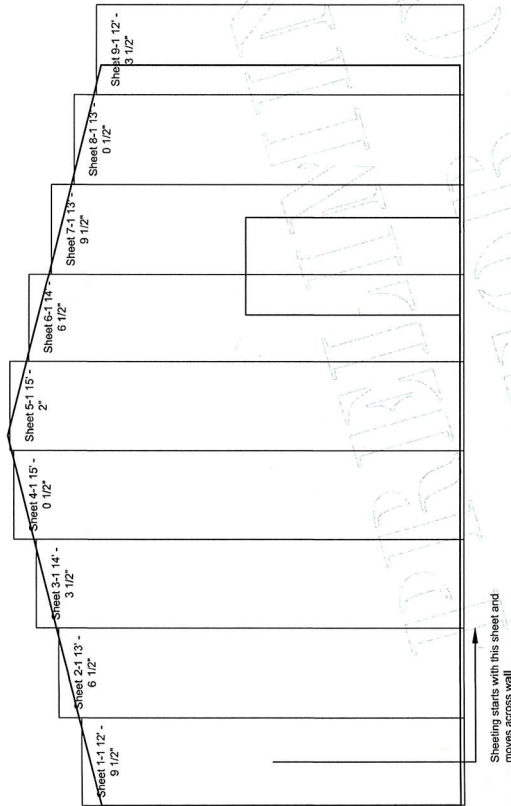
**STEEL COMMAND CORP**

DBNO SHEET

YSUI1013704234 16 of 19

DATE 8/7/2025
SCALE 1/4" = 1'-0"

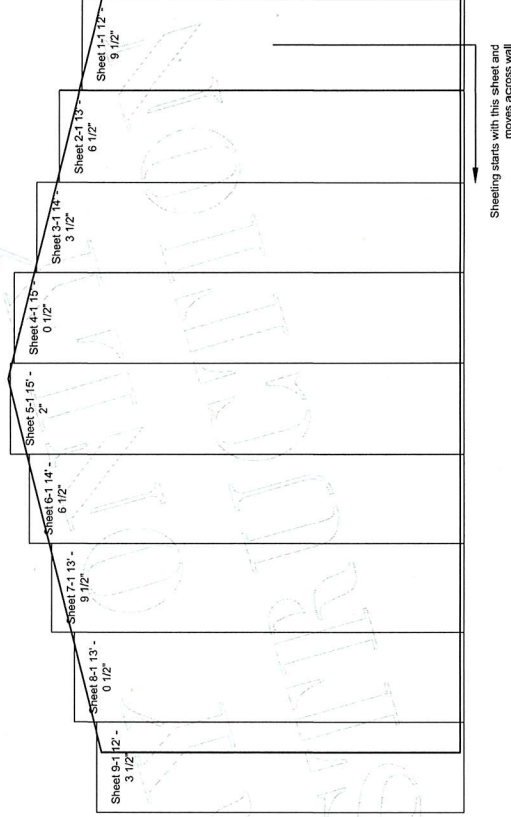




1 Endwall A Sheeting Layout

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

Frame Line 1



2 Endwall B Sheeting Layout

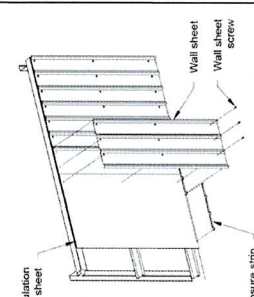
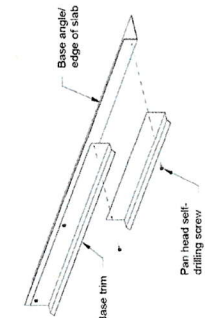
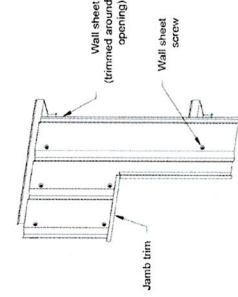
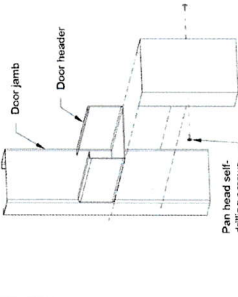
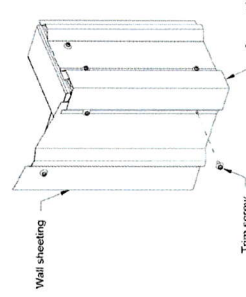
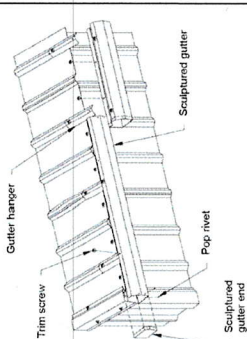
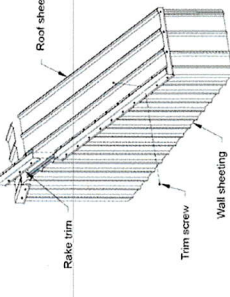
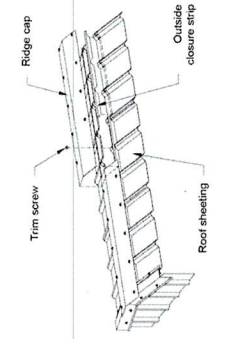
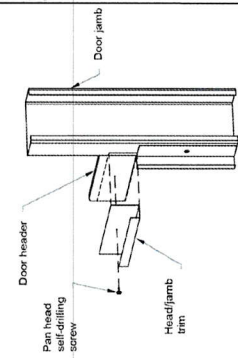
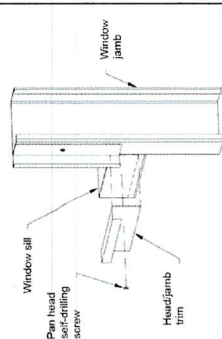
17 SCALE: 1/4" = 1'-0"

Frame Line 4

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 STEEL COMMANDERS CORP	DBNO	YSUI1013704234	DATE	8/7/2025
	SHEET	17 of 19	SCALE	1/4" = 1'-0"

Sheeting Layout

 Insulation sheet Closure strip Wall sheet Wall sheet screw Jamb trim	 Wall Sheeting Overview https://r.aebtu.com/gba0537	 Base angle/edge of slab Base trim Pan head self-drilling screw Jamb trim	 Base Trim https://r.aebtu.com/gba0529	 Wall sheet (trimmed around opening) Wall sheet screw Jamb trim	 Wall Sheeting Openings https://r.aebtu.com/gba0533	 Door jamb Door header Pan head self-drilling screws Door jamb trim	 Door Jamb Cover https://r.aebtu.com/gba0509	 Wall sheeting Trim screw Corner trim	 Corner Trim https://r.aebtu.com/gba0503	 Gutter hanger Trim screw Sculptured gutter end Sculptured gutter Pop rivet	 Gutters https://r.aebtu.com/gba0525	 Roof sheeting Rake trim Trim screw Wall sheeting	 Roof Sheeting https://r.aebtu.com/gba0477	 Ridge cap Trim screw Roof sheeting Outside closure strip	 Ridge Cap https://r.aebtu.com/gba0469	 Door jamb Door header Pan head self-drilling screw Head/jamb trim	 Jamb Trim Top https://r.aebtu.com/gba0477	 Window sill Pan head self-drilling screw Window jamb Head/jamb trim	 Jamb Trim Bottom https://r.aebtu.com/gba0525
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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 fully installed. 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.

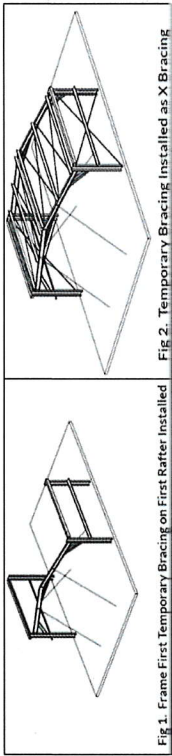


Fig 1. Frame First Temporary Bracing on First Rafter Installed

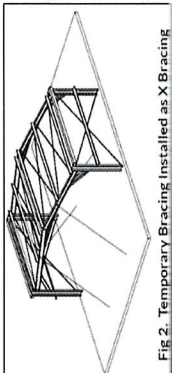


Fig 2. Temporary Bracing Installed as X Bracing

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.

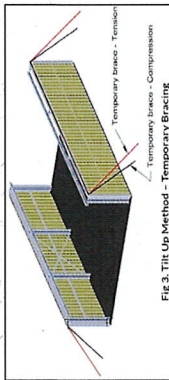


Fig 3. Tilt Up Method - Temporary Bracing

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.