

SAMPLE ASSEMBLY DRAWINGS

ASSEMBLY DRAWINGS FOR A 42'W X 16'-2"H EAVE X 48'L KELLY KLOSURE BUILDING

K.K. ORDER #:

P.O. #:

1) BUILDING STRUCTURE

A) BUILDING STRUCTURAL DESIGN CRITERIA

- | | | |
|----|---------------------|--|
| a) | BUILDING CODE: | 2009 IBC |
| b) | ROOF LOAD: | 20 PSF (GROUND SNOW LOAD) |
| c) | SNOW DRIFT LOAD: | NONE |
| d) | WIND LOAD: | 90 MPH (3 SECOND GUST) |
| e) | SEISMIC: | DESIGN CATEGORY "B", SOIL SITE CLASS "D" |
| f) | OCCUPANCY CATEGORY: | II |

- B) THIS BUILDING HAS BEEN DESIGNED IN ACCORDANCE WITH THE BUILDING CODE AND BASIC STRUCTURAL DESIGN DATA LISTED ABOVE. THE BUILDING HAS BEEN DESIGNED AND ENGINEERED FROM A STRUCTURAL ASPECT ONLY. OTHER CODE COMPLIANCE ISSUES SUCH AS ENERGY EFFICIENCY, OCCUPANCY, EGRESS, HVAC, ELECTRICAL, MECHANICAL, FIRE SAFETY ETC. IS THE RESPONSIBILITY OF THE END USER OR ITS REPRESENTATIVES. MATERIAL SPECIFICATIONS ARE AVAILABLE UPON REQUEST.

IMPORTANT NOTES

PLEASE READ BEFORE BEGINNING ASSEMBLY OF BUILDING

WARRANTY WILL BE VOIDED IF THESE PROCEDURES ARE NOT FOLLOWED

Technical Support & Service

A Kelly Klosure Service Representative is just a phone call away.

Please feel free to call with any questions, suggestions or issues as they arise!

Please call 1-800-228-7230 and ask for Service during normal business hours.

If calling after hours, please leave a voice mail in the general mailbox.

Please include the Kelly Klosure Order Number shown to the left on this page when calling for service.

Damage & Shipping Shortages

Any damage or shipping shortages should be reported to Kelly Klosure within 15 days of delivery. Kelly will expedite replacement material. However, Kelly is not liable for replacement material purchased locally without prior approval.

Back Charges

Kelly Klosure must give prior approval of any work relating to shortages or errors in manufacturing. If prior approval is not given, back charges will be denied.

Exterior Fasteners

Due to vibration during the shipping process, some screws that hold the exterior steel sheeting to the panel frame may have been loosened. The building erector is to check and tighten all of the screws prior to building assembly. The screws are considered tight when the rubber washer is in complete contact with the sheeting and is not loose to the touch.

Bolt Installation

All bolts shall be "Snug Tight". A "Snug Tight" condition is the tightness that is attained with a few impacts of an impact wrench or the full effort of a crew member using an ordinary spud wrench to bring the connected plies into firm contact. Per ASTM A325, sufficient thread engagement is having the end of the bolt extending beyond or at least flush with the outer face of the nut.

Building Penetrations

Every effort was made by Kelly during the approval process to factory frame any required wall or roof penetrations, or otherwise ensure that framing will not be interfered with for field cut penetrations. Prior approval and instructions for modification must be obtained from Kelly before cutting or modifying any structural steel framework, otherwise the warranty will be void.

Manufacturer's Disclaimer

The manufacturer has designed and engineered this system. Variations and/or modifications to the system or components will void and nullify any and all warranties, both written and/or implied, and liability for defects in the system and its components. Manufacturer further accepts no responsibility and/or liability for obtaining or maintaining local, regional or national building permits, inspections or documents that may be required.

Lightning Protection Disclaimer

Kelly Klosure Systems roof & wall panels are manufactured from Galvalume® coated steel. To prevent galvanic corrosion, the roof and wall panels must not come into contact with, or water runoff from, copper, lead or copper bearing brasses. For lightning protection, aluminum conductors and aluminum or stainless steel clamps and fixtures are compatible with Galvalume® coated steel.

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SS-15	LIGHT TRANSMITTING ROOF PANEL INSTALLATION

TOOL LIST	
Qty.	Description
1	TIN SNIPS
4	SPUD WRENCH (1/4" - 3/4" TAPER W/ CRESCENT WRENCH)
2	1/2" DRIVE RATCHETS
2	3/4" SOCKETS
2	1 1/16" SOCKETS
2	ELECTRIC IMPACT WRENCH (1/2" DRIVE)
1	ROTARY HAMMER DRILL (MINIMUM 6 AMP, SDS STYLE)
1	1/2" SDS MASONRY DRILL BIT (MINIMUM LENGTH 10")
1	SLEDGE HAMMER
1	3 LB HAMMER
2	C-CLAMP VISE GRIPS
2	C-CLAMP W/ 4"-6" OPENING
1	TAG LINE ROPE (75'-0" LONG)
1	PHILLIPS SCREWDRIVER
1	STANDARD SCREWDRIVER
1	P3 PHILLIPS SCREWDRIVER (FOR DOOR HINGE ADJUSTMENT)
1	ELECTRIC DRILL
1	9/16" STEEL DRILL BIT
1	11/16" STEEL DRILL BIT
1	CUTTING OIL
2	3/4" WRENCHES
2	1 1/16" WRENCHES
2	5/16" NUT DRIVERS
2	3/8" NUT DRIVERS
1	100'-0" LONG TAPE MEASURE
1	CHALK LINE
2	STEP LADDERS
1	CAULKING GUN
1	STANDARD RIGGING
1	CHAINFALL RIGGING
1	FORK LIFT (TELE-HANDLER)
2	SCISSOR LIFT
1	ARTICULATING BOOM LIFT
1	CRANE (CAPACITY DEPENDING ON WEIGHT OF PICKS)
1	COME ALONG
1	WOOD DUNNAGE (4X4 LUMBER)
2	LARGE CROWBARS
1	RIVET GUN

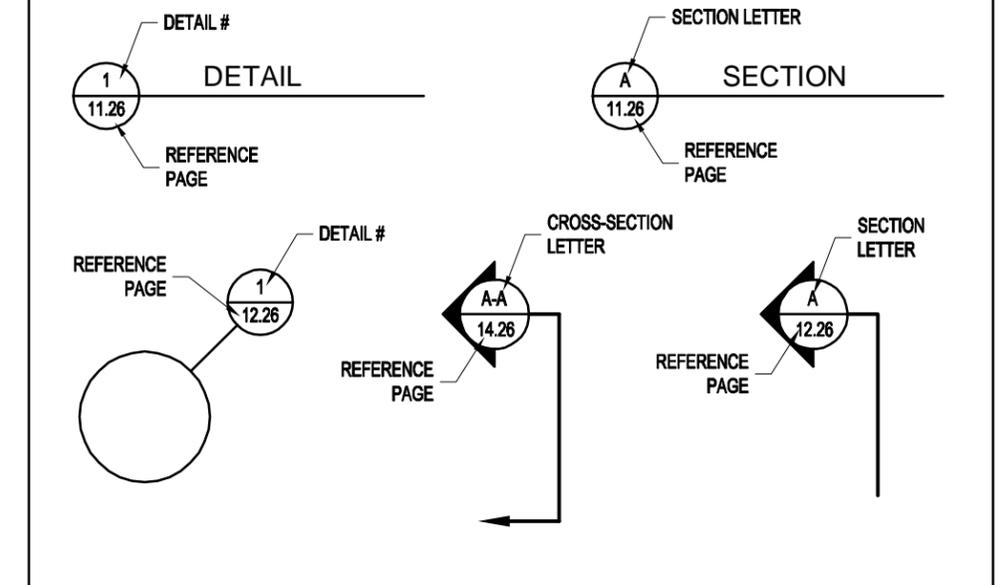
ROLL-UP DOOR INSTALLATION TOOLS	
- OPTIONAL METHODS FOR ATTACHING DOOR TRACK TO JAMB:	
OPTION #1: WELDED CONNECTION (WELDING EQUIPMENT NEEDED)	
OPTION #2: DRILLING & BOLTING (MAGNETIC BASE DRILL & CUTTING OIL RECOMMENDED)	
- 9/16" DRILL BITS (FOR DRILLING JAMBS FOR 1/2" BOLTS)	
- (2) 1/2" WINDING BARS	
- SLING (TO INSTALL CURTAIN ON THE BARREL)	
- VICE GRIPS (2 PAIR MINIMUM)	
- WATER LEVEL OR STRING LINE LEVEL (WATER LEVEL IS RECOMMENDED)	
- COMPLETE SOCKET SET	
- COMPLETE WRENCH SET	
- STANDARD & PHILLIPS SCREWDRIVERS	
- DRILL W/ COMPLETE SET OF BITS	
- IMPACT WRENCH	
- UTILITY KNIFE	
FOR ELECTRIC OPERATOR	
- WIRE STRIPPER	
- CHAIN BREAKER	

IMPORTANT NOTE:
OVERHEAD DOORS ARE SUPPLIED ONLY!
INSTALLATION & SERVICE IS BY OTHERS!
(INSTRUCTIONS FOR OVERHEAD DOOR ARE INCLUDED WITH THE DOOR)

ARCHITECTURAL LEGEND

	EARTH
	CONCRETE
	RIGID INSULATION
	BATT INSULATION
	GLASS / PLEXIGLASS (ELEVATION)

REFERENCES



PANEL & PANEL RACK HANDLING TIPS



UNLOADING & LIFTING PANEL RACKS WITH A FORKLIFT

UPPER RACKS SHOULD BE REMOVED FROM THE TRUCK FIRST & PLACED AROUND THE WORKING AREA.



STORING PANEL RACKS IN STACKED POSITIONS

WHEN PANEL RACKS ARE STORED IN A STACKED POSITION (ONE ON TOP OF THE OTHER) ON SITE. THE FEET OF THE UPPER RACK MUST NEST INTO THE UPPER END OF THE BOTTOM RACK FRAMING (AS SHOWN). THIS KEEPS RACKS SPACED, MAINTAINING A PROTECTION ZONE FOR THE SHEETING OVERLAPS.

SHEETING OVERLAPS

PROTECTED ZONE

BOTTOM RACK FRAME

UPPER RACK FOOT

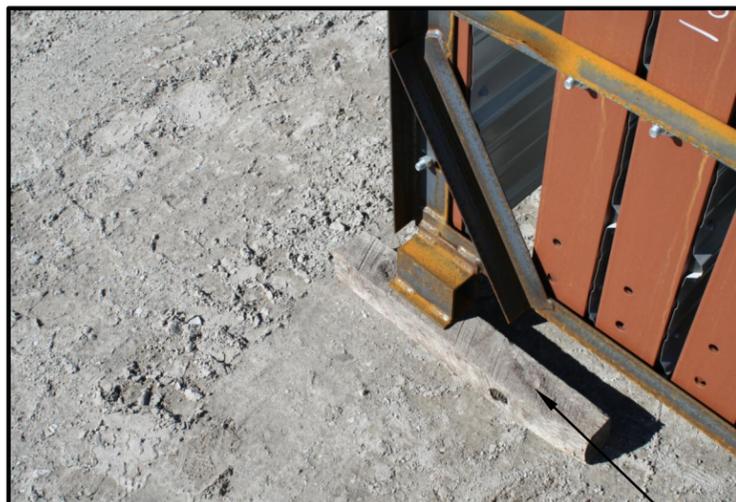


FORKLIFT FORKS

SHEETING OVERLAPS

SEPARATING PANEL RACKS

WHEN LIFTING RACKS ONE OFF THE OTHER WITH A FORKLIFT. SPECIAL CARE MUST BE TAKEN TO PREVENT THE FORKS OF THE FORKLIFT FROM DAMAGING THE SHEETING OVERLAPS THAT PROTRUDE ABOVE THE BOTTOM PANEL RACKS. THIS MATERIAL IS MORE SUSCEPTIBLE TO DAMAGE THEN THE PANEL FRAMES.

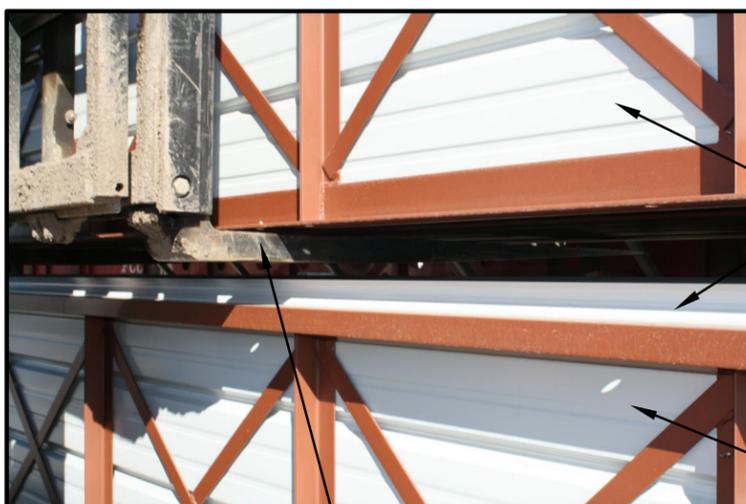


REMOVING PANELS FROM RACKS

WHEN PANEL RACKS ARE REMOVED FROM THE TRUCK AND PLACED AROUND THE STAGING AREA. THE FRONT TWO CORNERS OF EACH RACK SHOULD BE BLOCKED UP. THIS PREVENTS PANELS FROM TIPPING OUT AS PANELS ARE REMOVED. IF THIS IS NOT DONE THEN THERE IS THE POTENTIAL FOR PANEL DAMAGE.

LIFTING PANEL RACKS WITH SLINGS

AN OPTIONAL METHOD OF UNLOADING PANELS IS SHOWN IN THIS ILLUSTRATION. USING SLINGS HUNG FROM A CRANE OR CHERRY PICKER INSTEAD OF A FORKLIFT TO UNLOAD PANEL RACKS FROM THE TRUCK.



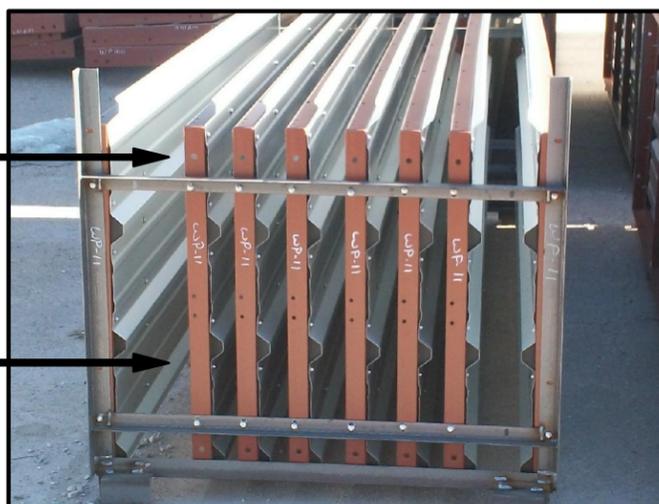
TOP RACK

SHEETING OVERLAPS (CAUTION!)

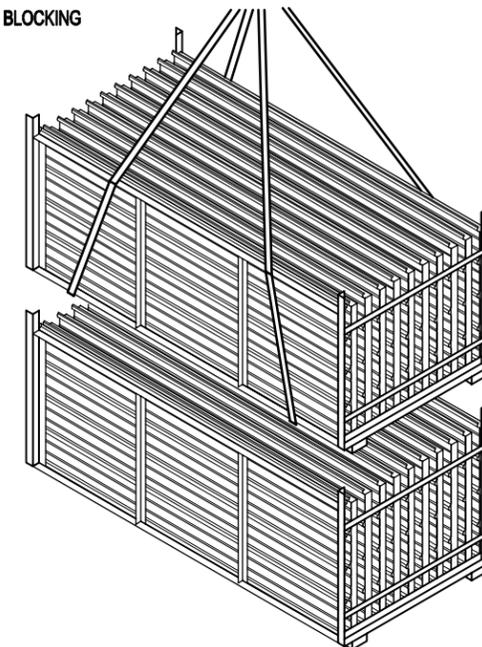
BOTTOM RACK

FORKLIFT FORKS

REMOVE PANELS STARTING WITH THIS SIDE OF THE RACK (PANEL FRAME SIDE)



BLOCKING



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Fremont, NE 68026
Phone: 800-228-7230
Fax: 402-727-1363
Web: www.kellyklosure.com

PROJECT TITLE:
PANEL & PANEL RACK HANDLING TIPS

PAGE TITLE:
PANEL & PANEL RACK HANDLING TIPS

SHEET **1** OF **12**

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APC

DATE:
1/29/14

APPROVED BY:

REVISION:
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DATE:
1/29/14

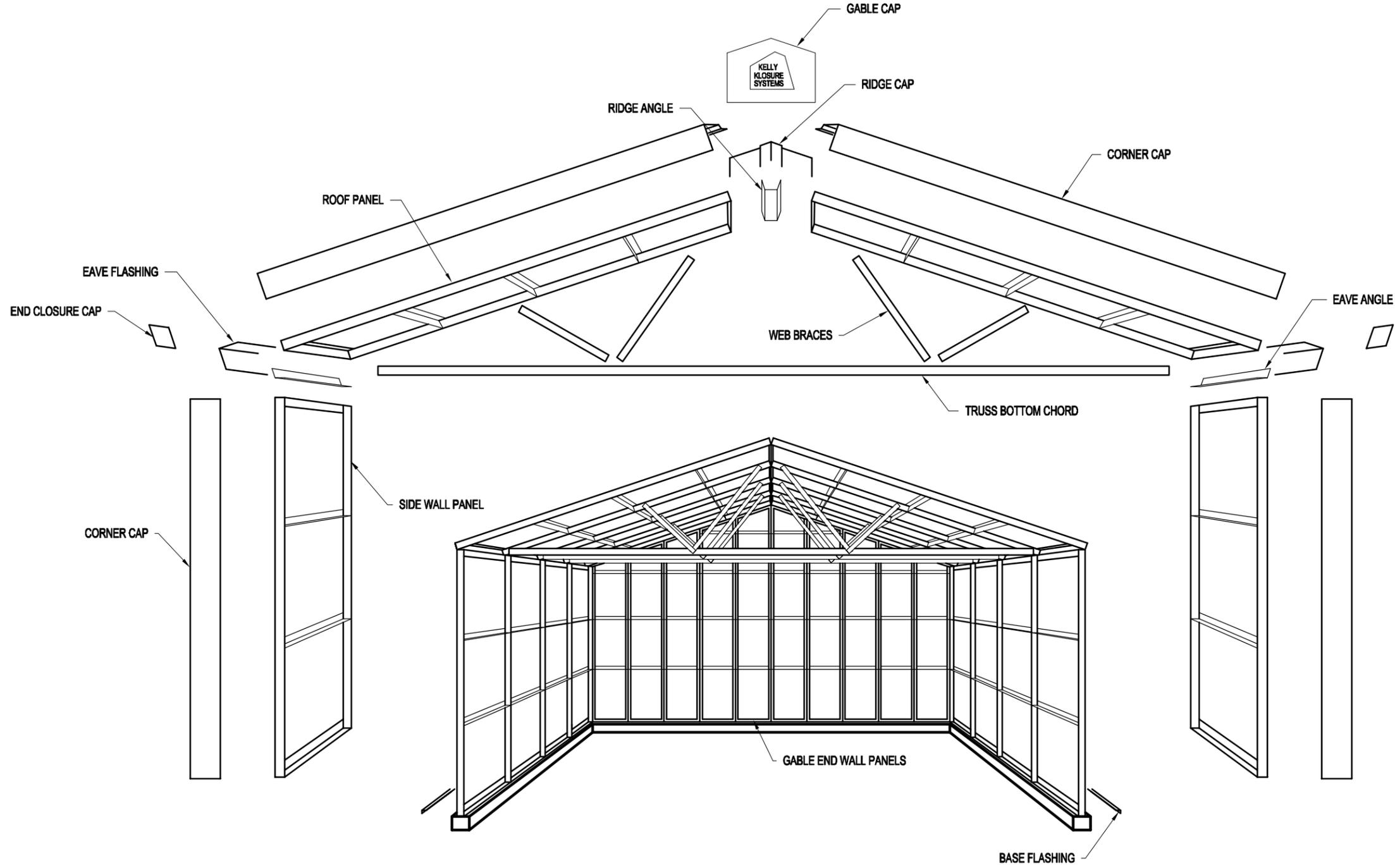
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BUYER:

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BASIC BUILDING COMPONENTS



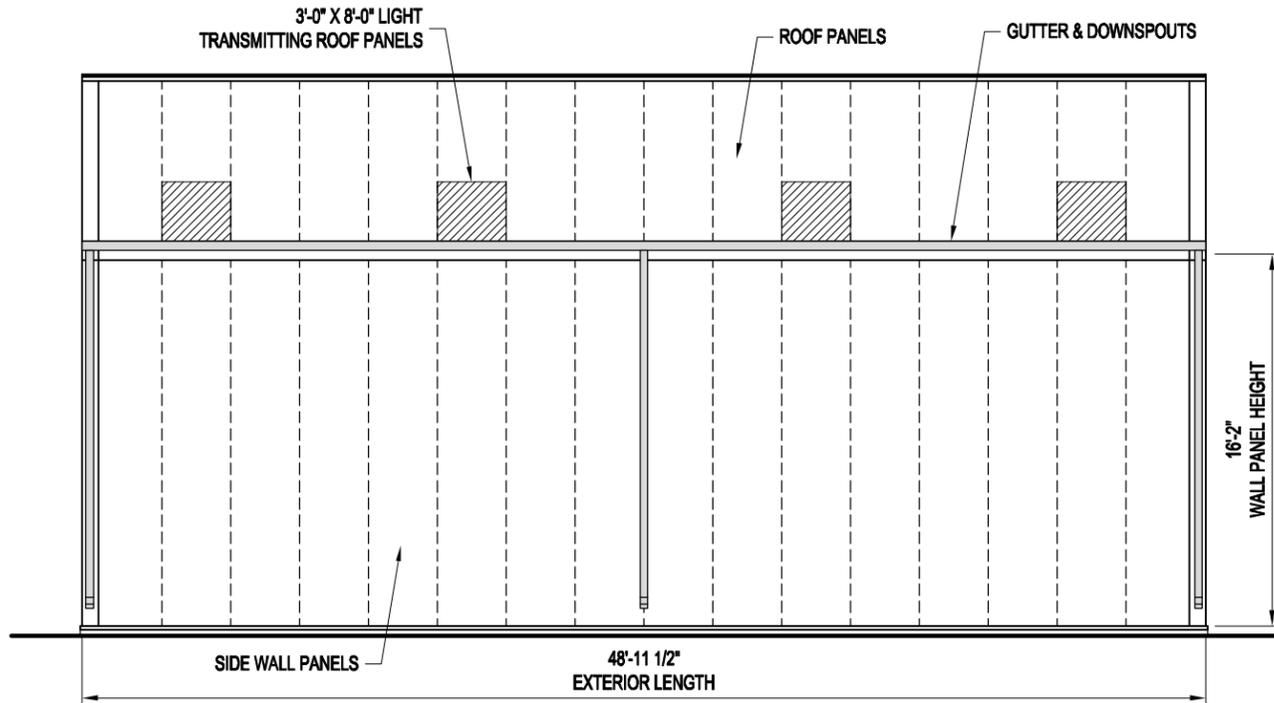
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PAGE TITLE:
BASIC BUILDING COMPONENTS

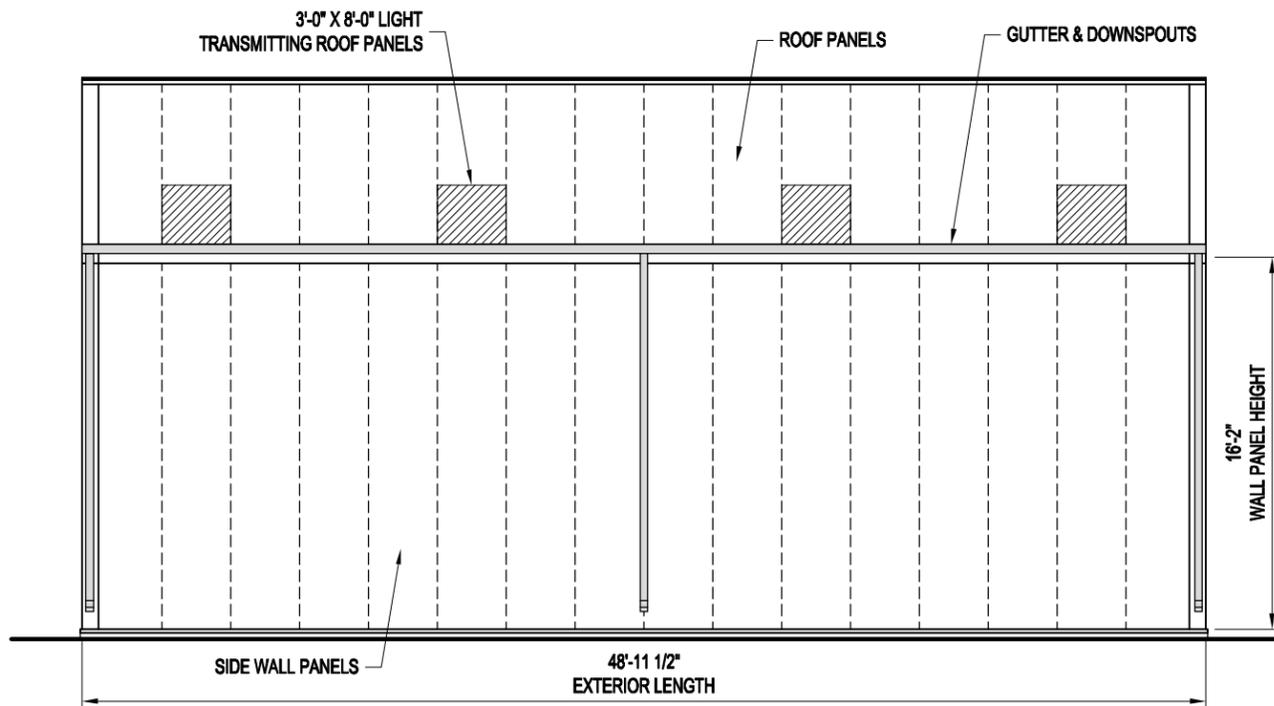
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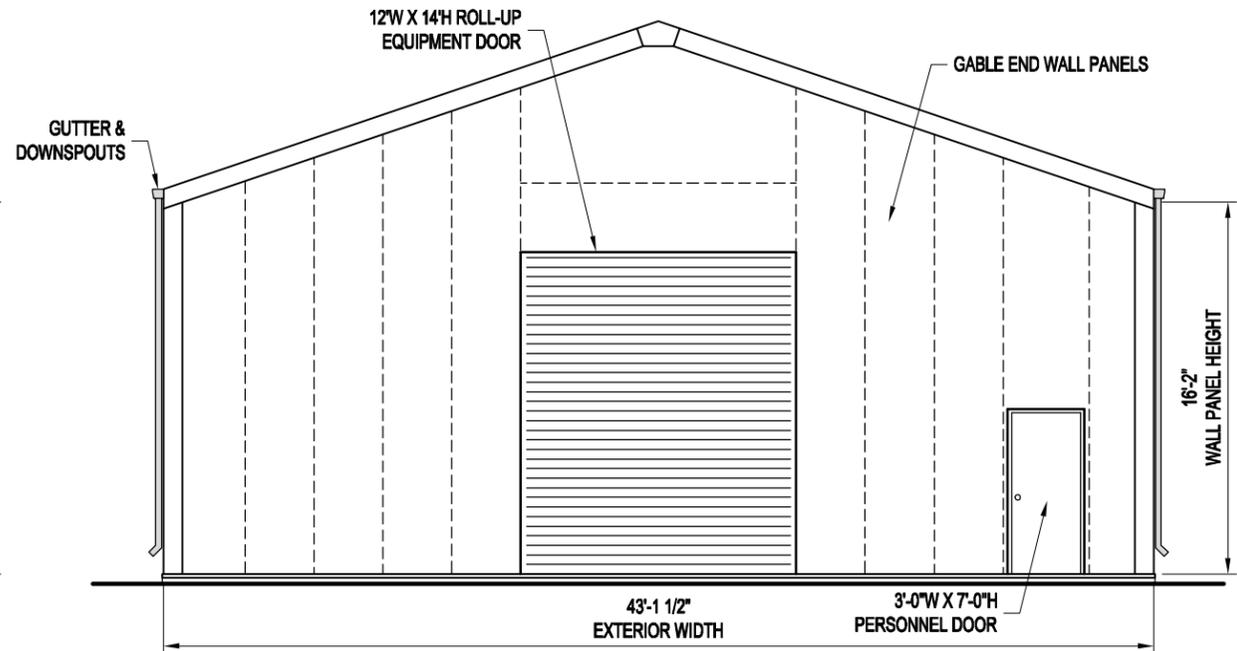
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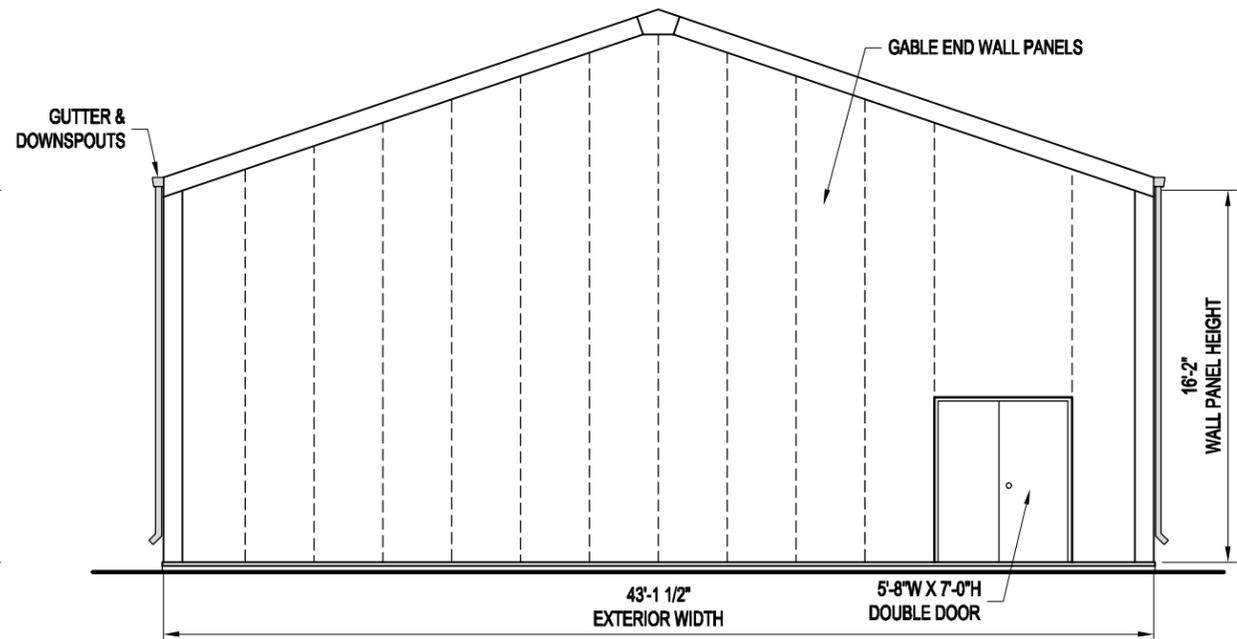
LEFT ELEVATION



RIGHT ELEVATION



FRONT ELEVATION



BACK ELEVATION



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PAGE TITLE: ELEVATIONS
 SHEET 3 OF 12
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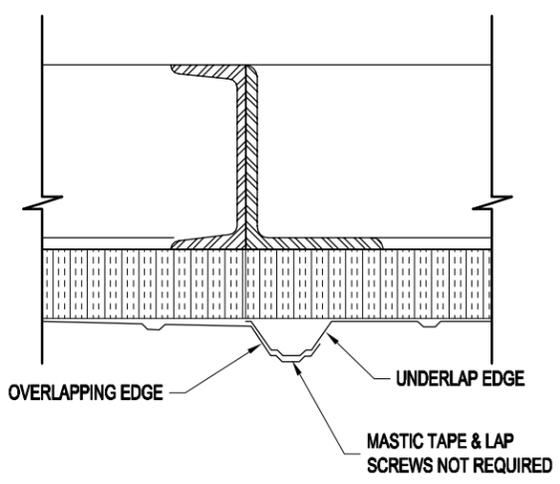
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 APPROVED BY:
 DATE: 1/29/14
 REVISION: 00
 DATE: 1/29/14
 SCALE: 1/8" = 1'-0"
 BUYER:
 K.K. ORDER NUMBER:
 BUYER P.O. NUMBER:

MATERIALS LIST

Qty	Description		
20	3224	Panel, 3x22'-6"x4"	
RP-1	29LS	29Ga Light Stone Sht	1.1/2" Insul.
4	3224	Panel, 3x22'-6"x4"	Outer Roof
RP-2	29LS	29Ga Light Stone Sht	1.1/2" Insul.
8	3224	Panel, 3x22'-6"x4"	Light Panel
RP-3	29LS	29Ga Light Stone Sht	1.1/2" Insul.
32	3164	Panel, 3x16'-2"x4"	
WP-1	29LS	29Ga Light Stone Sht	1.1/2" Insul.
1	RG-1 2'-3"	Gable Panel 2'-3"x16'-3.7/8";17'-4.1/16"	
1	LG1-16-3	Gable Panel 3x16'-3.7/8";17'-4.1/16"	
RG-1	29LS	29Ga Light Stone Sht	1.1/2" Insul.
2	LG1-16-3	Gable Panel 3x16'-3.7/8";17'-4.1/16"	
LG-1	29LS	29Ga Light Stone Sht	1.1/2" Insul.
1	RSO	Gable Panel 3'-9"x17'-1"/18'-4.1/4"	3'x7' P. Door (HRSO)
RG-2 3'-9"	29LS	29Ga Light Stone Sht	1.1/2" Insul.
1	DSO	Gable Panel 6'-0"x17'-1"/18'-4.1/4"	5'8"x7' Double Door
RG-2 6'-0"	29LS	29Ga Light Stone Sht	1.1/2" Insul.
2	LG2-16-3	Gable Panel 3x17'-4.1/16";18'-4.1/4"	
LG-2	29LS	29Ga Light Stone Sht	1.1/2" Insul.
1	RG3-16-3	Gable Panel 3x18'-4.1/4";19'-4.7/16"	
RG-3	29LS	29Ga Light Stone Sht	1.1/2" Insul.
2	LG3-16-3	Gable Panel 3x18'-4.1/4";19'-4.7/16"	
LG-3	29LS	29Ga Light Stone Sht	1.1/2" Insul.
2	RG4-16-3	Gable Panel 3x19'-4.7/16";20'-4.5/8"	
RG-4	29LS	29Ga Light Stone Sht	1.1/2" Insul.
2	LG4-16-3	Gable Panel 3x19'-4.7/16";20'-4.5/8"	
LG-4	29LS	29Ga Light Stone Sht	1.1/2" Insul.
1	RG5-16-3	Gable Panel 3x20'-4.5/8";21'-4.13/16"	
RG-5	29LS	29Ga Light Stone Sht	1.1/2" Insul.
1	LG5-16-3	Gable Panel 3x20'-4.5/8";21'-4.13/16"	
LG-5	29LS	29Ga Light Stone Sht	1.1/2" Insul.
1	RG6-16-3	Gable Panel 3x21'-4.13/16";22'-5"	
RG-6	29LS	29Ga Light Stone Sht	1.1/2" Insul.
1	LG6-16-3	Gable Panel 3x21'-4.13/16";22'-5"	
LG-6	29LS	29Ga Light Stone Sht	1.1/2" Insul.
1	RG7-16-3	Gable Panel 3x22'-5";23'-5.3/16"	
RG-7	29LS	29Ga Light Stone Sht	1.1/2" Insul.
1	LG7-16-3	Gable Panel 3x22'-5";23'-5.3/16"	
LG-7	29LS	29Ga Light Stone Sht	1.1/2" Insul.
1	RG5-16-3	Gable Panel 3x20'-4.5/8";21'-4.13/16"	8"Channel
RG-5J	29LS	29Ga Light Stone Sht	1.1/2" Insul.
1	LG5-16-3	Gable Panel 3x20'-4.5/8";21'-4.13/16"	8"Channel
LG-5J	29LS	29Ga Light Stone Sht	1.1/2" Insul.
1	MG-1	Middle Gable 12x5'-4.13/16";7'-5.3/16"	
4	0226	Erection Angle, 22'-6"	L.2.1/2x2.1/2x3/16
GEA		22'-5.1/2"L	
4	0162	Erection Angle, 16'-2"	L.2.1/2x2.1/2x3/16
CEA		16'-1.1/2"L	

THIS MATERIALS LIST IS FOR EXAMPLE PURPOSES ONLY AND DOES NOT MATCH THE BUILDING SHOWN IN THESE ASSEMBLY DRAWINGS.

Qty	Description		
1	Set Assembly Drawings (w/MSDS Sheets)		
2	Touch Up Paint - Trim & Sheets	Light Stone	
2	Touch Up Paint - Trim	Hawaiian Blue	
1	Touch Up Paint - Panel Frames	Red Primer	
1	Touch Up Paint - Door	Mfg. Door Gray	
1	S. Parker Door Knob		
1	S. Parker Door Closure		
34	Outer Closure Strip	Imperial Rib	
8	1/2" x 1" Base Seal - 25Ft		
3	Silco Caulking - Clear		
Building Bolts			
960	1/2"x1" Bolt, Zinc Plated		
960	1/2" Nut, Zinc Plated		
1	Picking Angles (2-Large/2-Small)		
160	1/2" Washer		
S2 Bracing			
16	0015 Standard 3' S2 Ridge Angle	Formed Plate	
32	0025 Standard 3' S2 Eave Angle	Formed Plate	
192	1/2"x1" Bolt, Zinc Plated		
192	1/2" Nut, Zinc Plated		
14	42RB S2 Ridge Brace	12'-3.11/16"L (L4x4)	
26	42KB3 S2 Knee Brace	8'-6"L (L4x3)	
94	3/4" x 2" A325 Bolt, Plain		
94	3/4" A563 Nut, Plain		
Cookson Equipment Door 12 Wide x 16 High			
1	Cookson Roll-Up Equipment Door w/Hdwe		
5	Equipment Door Flashing	Hawaiian Blue	
50	#4 Tek Screw	Hawaiian Blue	
50	1/4" x 1.1/4" Bolt, Zinc Plated		
50	1/4" Nut, Zinc Plated		
44	LF. 2" Brush Weatherstripping		
44	LF. Aluminum Retainer 1" 45 Degree		
88	#5 Tek Screw		
Building Flashing			
5	10' Formed Ridge Cap	Light Stone	
18	10' Corner Caps	Hawaiian Blue	
10	10' Eave Flashing	Hawaiian Blue	
20	10' Base Flashing	Light Stone	
4	Base Flashing Corners	Light Stone	
4	Closure Cap	Hawaiian Blue	
2	Gable End Cap	Hawaiian Blue	
16	Light Lap Cap	Light Stone	
150	#8-18 x 1/2 T-2 Screw	Light Stone	
500	#8-18 x 1/2 T-2 Screw	Hawaiian Blue	
8	10' Open ended gutter sections		
2	5' Gutter section w/ Right endap & outlet		
2	5' Gutter section w/ Left endap & outlet		
4	16' Box Downspouts		
16	Downspout support bracket		
16	5' Gutter support Channel		



OVERLAP DETAIL

- 1) FOUNDATIONS
 - A) RECOMMENDED FOUNDATION SIZE IS GIVEN ON THE FOUNDATION PLAN VIEW PAGE OF THIS SET.
 - a) OUTSIDE DIMENSIONS AS SHOWN ARE REQUIRED TO ACCEPT BUILDING BASE FLASHING AS SUPPLIED. A TOLERANCE OF + OR - 1/4" IS ACCEPTABLE. THE SLAB SHOULD BE LEVEL AROUND PERIMETER OF FOUNDATION WITH A TOLERANCE OF + OR - 1/4". ANY VARIANCE COULD CREATE A LEAKAGE PROBLEM AT BASE OF BUILDING.
 - b) USERS ARE TO ESTABLISH SIZE AND REINFORCEMENT REQUIREMENTS FOR FOUNDATIONS TO ACCOMMODATE SITE SOIL CONDITIONS AND LOCAL FROST DEPTH.
 - c) BUILDING ANCHOR BOLT REACTIONS ARE AVAILABLE UPON REQUEST.
 - B) ANCHOR BOLTS
 - a) PRESETTING OF ANCHOR BOLTS IS NOT REQUIRED. ANCHOR BOLTS WILL BE INSTALLED AS THE BUILDING IS ERECTED. KELLY RECOMMENDS THE HILTI KH-EZ SCREW ANCHOR AS SHOWN ON THE BUILDING BASE SECTION ON THE BASE SECTIONS PAGE.
 - b) CONCRETE ANCHORS WILL BE SUPPLIED WITH THE BUILDING SHIPMENT.
 - 2) PANEL COMPONENTS AND FINISHES
 - A) PANEL FRAMES & STRUCTURAL STEEL COMPONENTS
 - a) ONE COAT, CORROSION RESISTANT, WATER REDUCIBLE, ALKYD EMULSION PRIMER
 - B) EXTERIOR STEEL SIDING AND ROOFING
 - a) 29 GA. 3/4" RIBBED "IMPERIAL RIB", DOES NOT REQUIRE SEAL TAPE OR STITCH SCREWS AT OVERLAPS
 - b) SIDING AND ROOFING TO BE GALVALUME COATED WITH PRIMER AND SILICONE MODIFIED POLYESTER PAINT FINISH
 - C) FACTORY INSTALLED INSULATION
 - a) INSULATION TO BE RIGID, CLOSED CELL, POLYISOCYANURATE WITH FOIL FACING
 - b) WALLS: 2" THICK (R-13)
 - c) ROOF: 2" THICK (R-13)
 - D) FACTORY INSTALLED STEEL INSULATION LINER
 - a) 28 GA. GALVANIZED STEEL
 - b) INSTALLED IN WALLS AND ROOF
 - 3) GUTTER SYSTEMS
 - A) GUTTER & DOWNSPOUTS ARE SUPPLIED BY KELLY AS SHOWN ON THE BUILDING ELEVATIONS (PAGE 3 OF 12).

NOTES:
IN COLD CLIMATES WHERE ICE AND SNOW BUILD UP IS A PROBLEM, KELLY RECOMMENDS HEAT TRACE TO PREVENT ICE BUILD UP IN THE GUTTERS AND SNOW GUARDS / BLOCKS TO PREVENT SNOW FROM SLIDING OFF THE ROOF AND DAMAGING THE GUTTERS. THIS MATERIAL, IF REQUIRED, IS TO BE SUPPLIED AND INSTALLED BY OTHERS.
 - 4) PERSONNEL AND EQUIPMENT DOORS
 - A) 3'W X 7'H PERSONNEL DOOR FACTORY INSTALLED IN A 3'-9" WIDE WALL PANEL, TYPE "A" SHOWN ON PLAN VIEW
 - a) DOOR FRAME: 16 GA. STEEL, GALVANIZED (A-60), PRIMED AND FINISH PAINTED
 - b) DOOR LEAF: 18 GA. STEEL, HONEYCOMB CORE, GALVANIZED (A-60), PRIMED AND FINISH PAINTED
 - c) *ENTRY LOCK: STANDARD LOCKSET, S.PARKER B9160 SERIES, STAINLESS STEEL
 - d) HINGES: (3) 4.5" BALL BEARING, STANLEY FBB179, US26D FINISH
 - e) *CLOSER: STANDARD, S.PARKER 954, ALUMINUM FINISH
 - f) DOOR SWEEP: STANDARD, MD DCV134, ALUMINUM FINISH
 - g) WEATHER STRIPPING: NONE
 - h) THRESHOLD: MANUFACTURER STANDARD 3/16" FORMED STEEL
 - A) 5'-8"W X 7'H PERSONNEL DOOR FACTORY INSTALLED IN A 6'-0" WIDE WALL PANEL, TYPE "A" SHOWN ON PLAN VIEW
 - a) DOOR FRAME: 16 GA. STEEL, GALVANIZED (A-60), PRIMED AND FINISH PAINTED
 - b) DOOR LEAF: 18 GA. STEEL, HONEYCOMB CORE, GALVANIZED (A-60), PRIMED AND FINISH PAINTED
 - c) *ENTRY LOCK: STANDARD LOCKSET, S.PARKER B9160 SERIES, STAINLESS STEEL
 - d) HINGES (PER LEAF): (3) 4.5" BALL BEARING, STANLEY FBB179, US26D FINISH
 - e) *CLOSER: STANDARD, S.PARKER 954, ALUMINUM FINISH
 - f) DOOR SWEEP: STANDARD, MD DCV134, ALUMINUM FINISH
 - g) WEATHER STRIPPING: NONE
 - h) FLUSH BOLTS: INACTIVE LEAF ONLY, STANDARD, IVES 458B, US26D FINISH
 - i) THRESHOLD: MANUFACTURER STANDARD 3/16" FORMED STEEL
1. (*) THESE ITEMS ARE FIELD INSTALLED TO PREVENT DAMAGE DURING SHIPMENT AND ERECTION
- B) ROLL-UP EQUIPMENT DOORS ARE AS NOTED ON THE PLAN VIEW PAGE DOOR SCHEDULE.
- EQUIPMENT DOORS ARE SUPPLIED ONLY. INSTALLATION AND SERVICE IS THE RESPONSIBILITY OF THE END USER. KELLY KLOSURE DOES NOT HAVE EXPERIENCE IN INSTALLATION OF EQUIPMENT DOORS AND THEREFORE CANNOT PROVIDE ASSISTANCE EXCEPT IN WARRANTY, SHIPPING SHORTAGES OR SHIPPING DAMAGE RELATED ISSUES.



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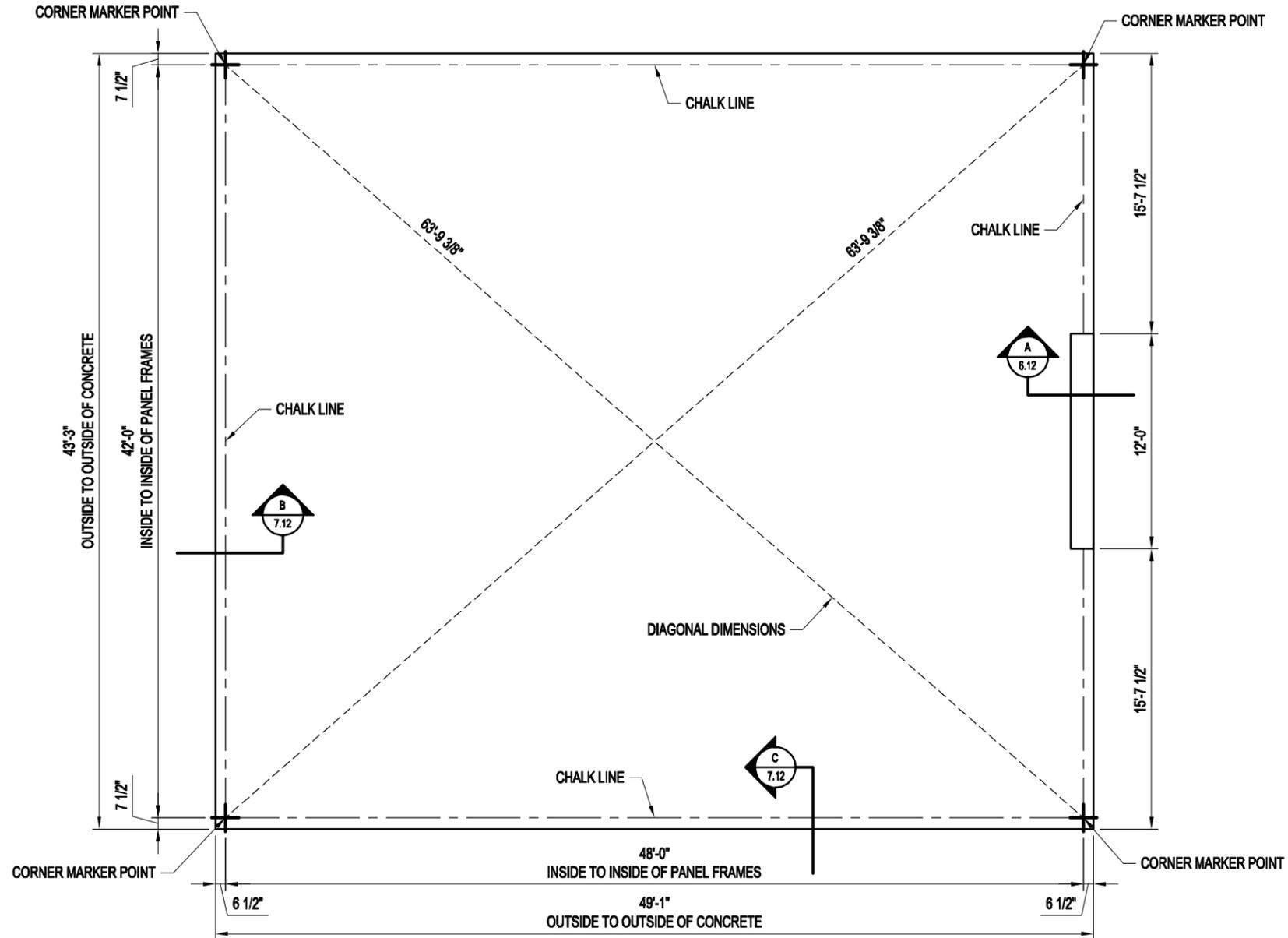
MATERIALS LIST
 PAGE TITLE:

PROJECT TITLE:
SAMPLE ASSEMBLY DRAWINGS

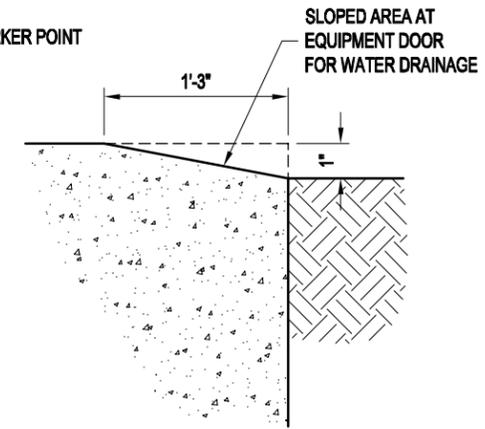
SHEET 4 OF 12

BUYER P.O. NUMBER:

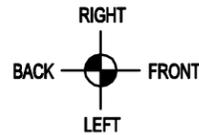
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 DATE: 1/29/14
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 DATE: 1/29/14
 SCALE: NO SCALE
 K.K. QUOTE NUMBER:



FOUNDATION PREPARATION PLAN VIEW



A EQUIPMENT DOOR RAMP SECTION
6.12



STEP #1 - MARKER POINTS

USING THE DIMENSIONS AS SHOWN, MARK THE FOUR INSIDE BUILDING CORNER DIMENSIONS.

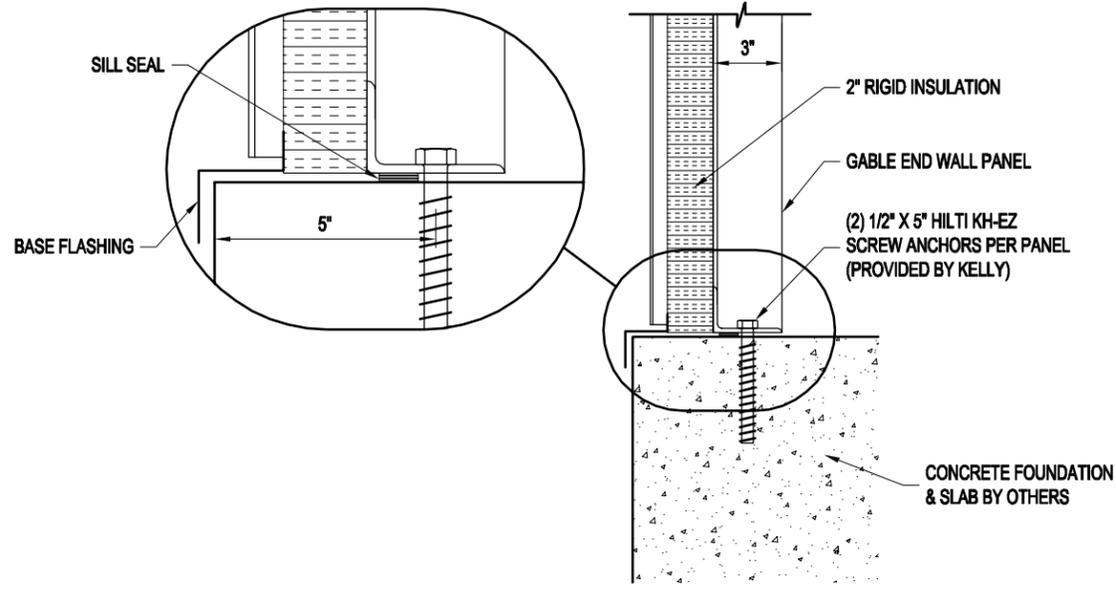
STEP #2 - DIAGONAL MEASUREMENT

MEASURE THE DIAGONALS (DIAGONAL MEASUREMENTS MUST BE EQUAL), CORRECT IF NECESSARY BY SHIFTING THE CORNERS WITHOUT CHANGING THE LENGTH OR WIDTH DIMENSIONS.

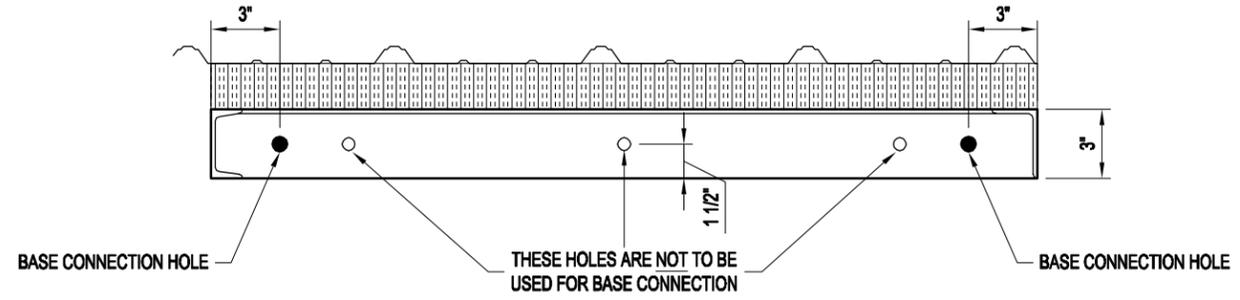
STEP #3 - CHALK LINE

USING THE SQUARED MARKER POINTS, SNAP A CHALK LINE AS SHOWN. (THE CHALK LINE SIGNIFIES THE INSIDE BUILDING DIMENSIONS)

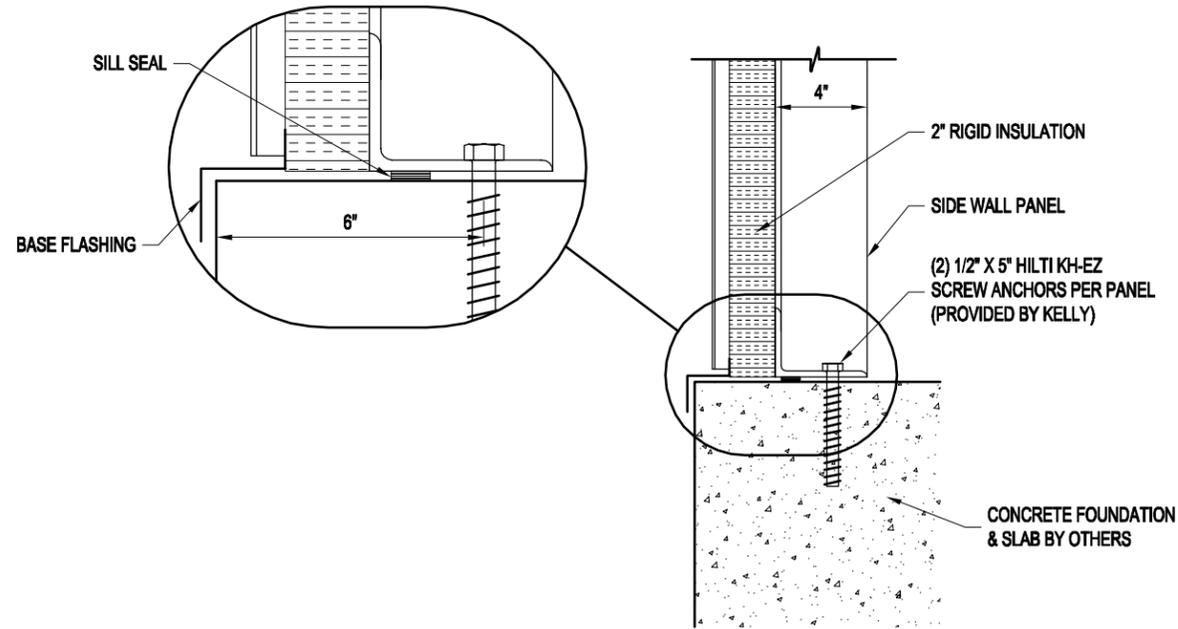
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		<p>PROJECT TITLE: SAMPLE ASSEMBLY DRAWINGS</p>	<p>PAGE TITLE: FOUNDATION PREPARATION PLAN VIEW</p>
<p>DRAWN BY: APC</p>	<p>DATE: 1/29/14</p>	<p>APPROVED BY:</p>	<p>BUYER:</p>
<p>REVISION: 00</p>	<p>DATE: 1/29/14</p>	<p>SCALE: 1/8" = 1'-0"</p>	<p>K.K. ORDER NUMBER: BUYER P.O. NUMBER:</p>



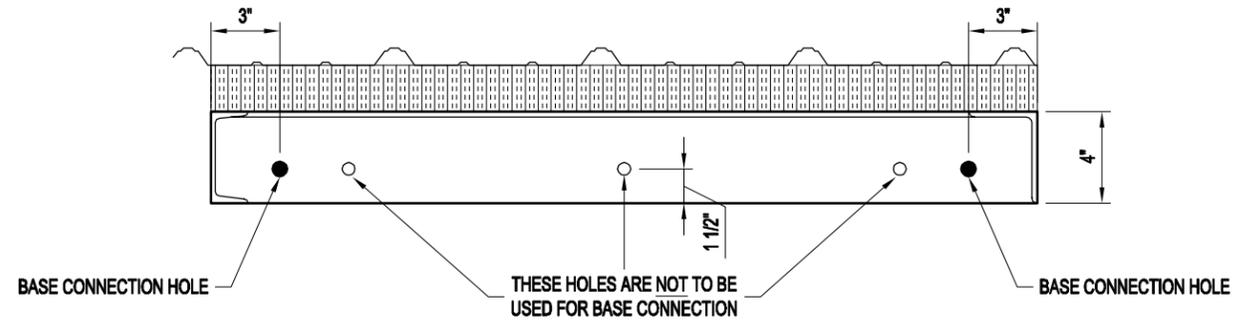
B END WALL PANEL BASE SECTION
6.12 SCALE: 1 1/2" = 1'-0"



BASE CONNECTION SPACING DETAIL
SCALE: 1 1/2" = 1'-0"



C SIDE WALL PANEL BASE SECTION
6.12 SCALE: 1 1/2" = 1'-0"



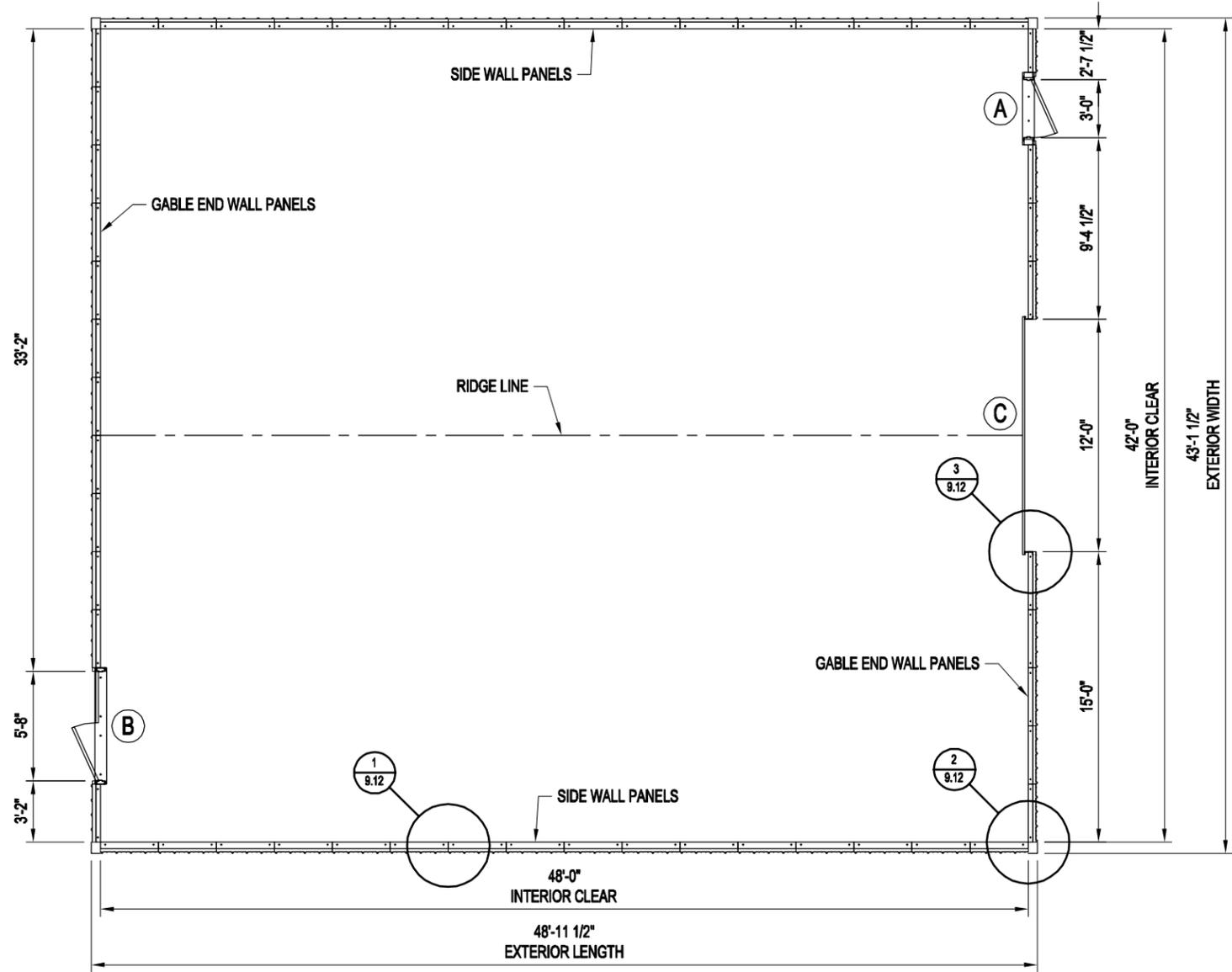
BASE CONNECTION SPACING DETAIL
SCALE: 1 1/2" = 1'-0"



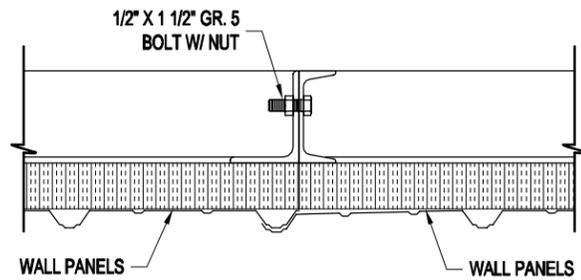
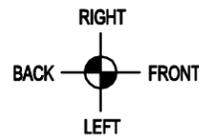
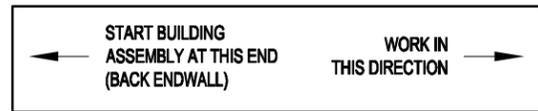
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PAGE TITLE: BASE SECTIONS
SHEET 7 OF 12
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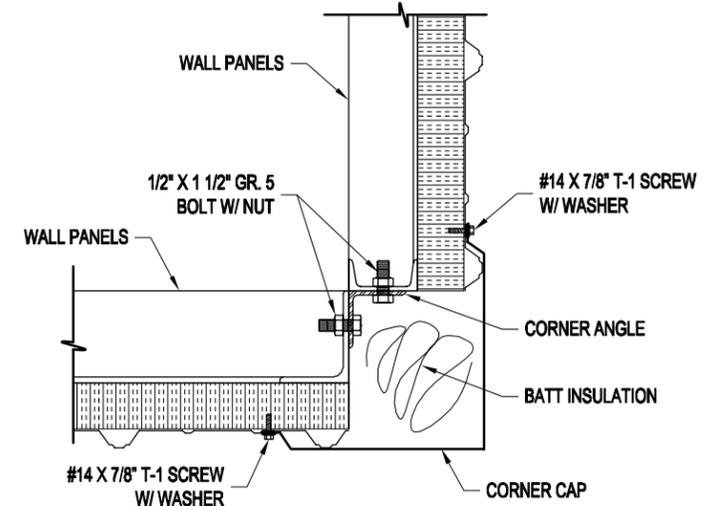
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REVISION: 00
DATE: 1/29/14
SCALE: 1 1/2" = 1'-0"
K.K. QUOTE NUMBER:
BUYER P.O. NUMBER:
BUYER:



PLAN VIEW

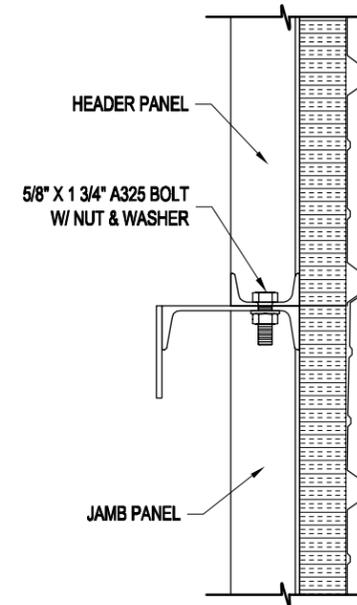


1 TYPICAL PANEL CONNECTION DETAIL
SCALE: 1 1/2" = 1'-0"



2 TYPICAL CORNER CONNECTION DETAIL
SCALE: 1 1/2" = 1'-0"

DOOR SCHEDULE	
MARK NO.	DESCRIPTION
(A)	3'-0"W X 7'-0"H PERSONNEL DOOR (SWING AS SHOWN ON PLAN VIEW)
(B)	5'-8"W X 7'-0"H DOUBLE DOOR (SWING AS SHOWN ON PLAN VIEW)
(C)	12'W X 14'H UNINSULATED OVERHEAD DOOR MODEL 620 HEAVY-DUTY SLAT STYLE ROLLING STEEL DOOR W/ MANUAL CHAIN OPERATOR



3 JAMB TO HEADER CONNECTION DETAIL
SCALE: 1 1/2" = 1'-0"



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PROJECT TITLE: SAMPLE ASSEMBLY DRAWINGS

PAGE TITLE: PLAN VIEW & DETAILS

SHEET 9 OF 12

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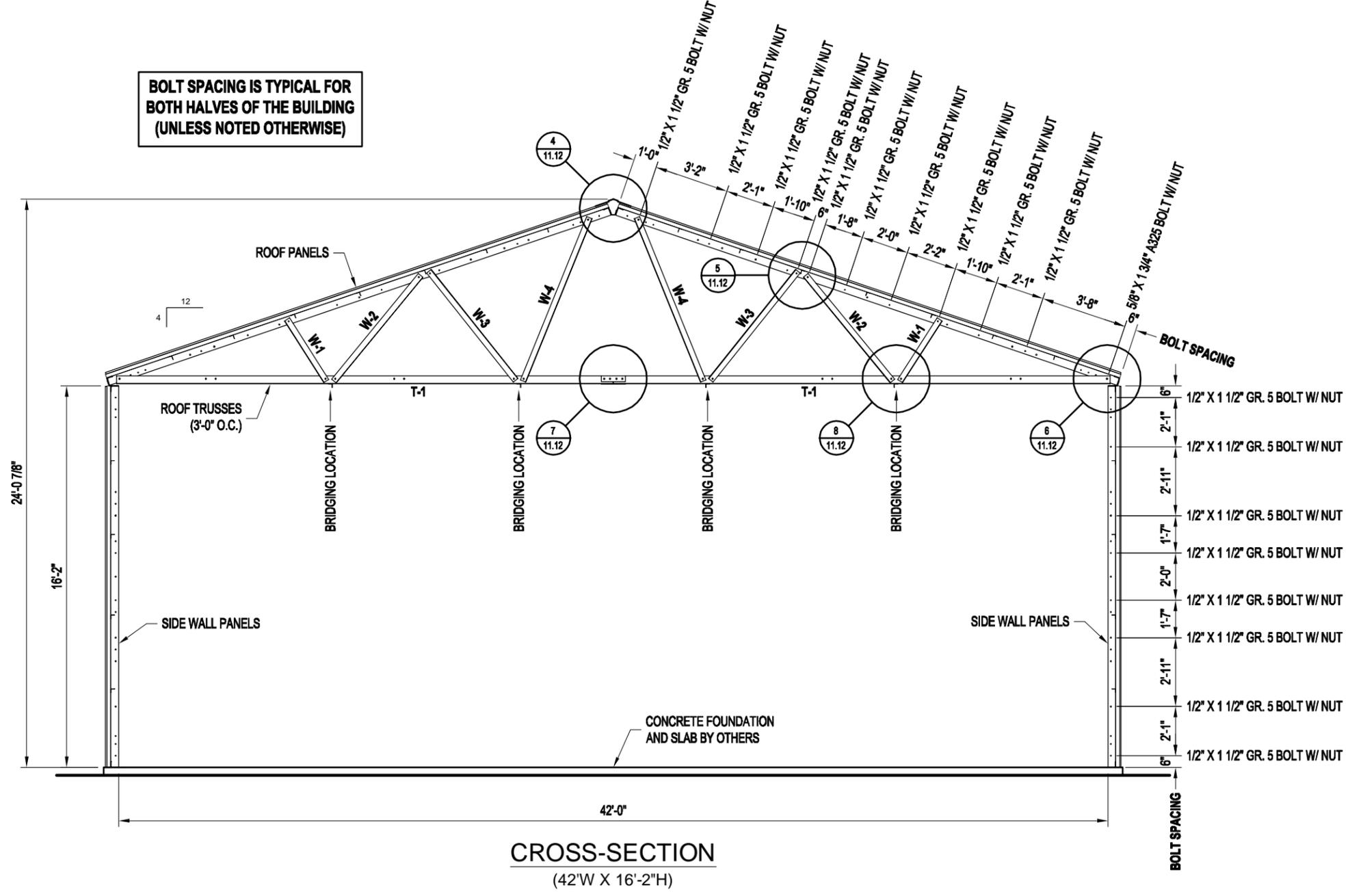
SCALE: 1/8" = 1'-0"

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BUYER:

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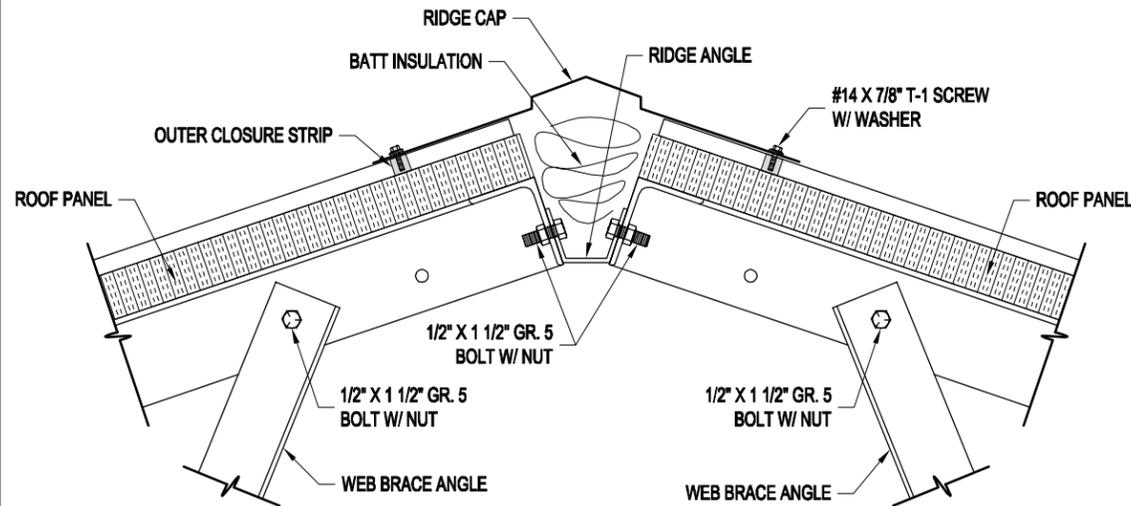
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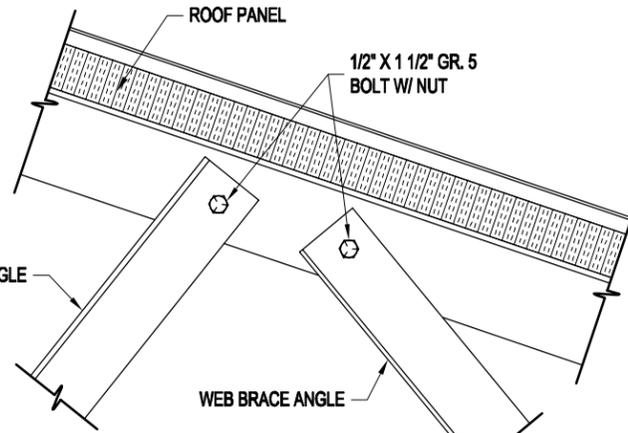
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PROJECT TITLE: SAMPLE ASSEMBLY DRAWINGS	PAGE TITLE: CROSS-SECTION
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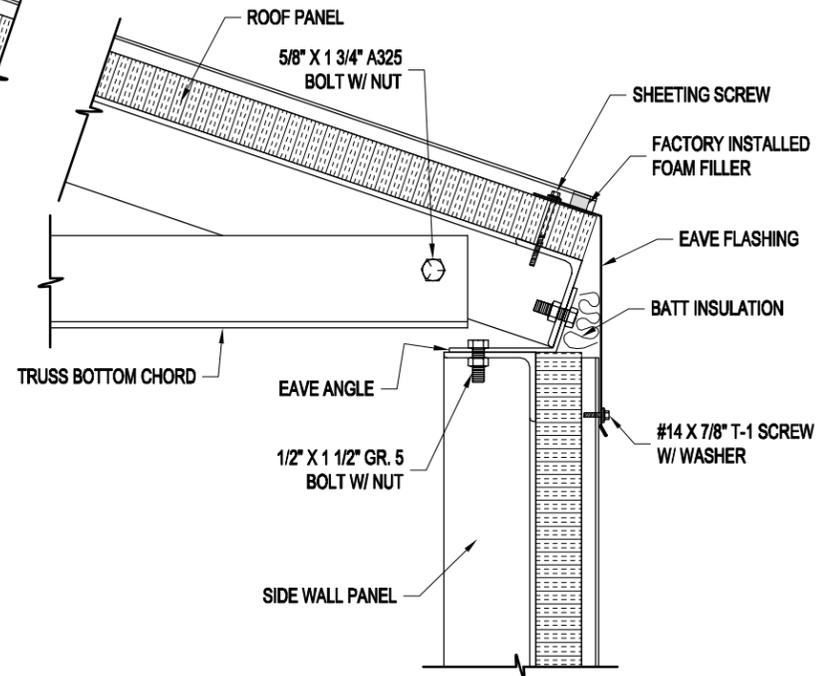
DRAWN BY: APC	DATE: 1/29/14
APPROVED BY:	DATE: 1/29/14
REVISION: 00	SCALE: 1/8" = 1'-0"
K.K. QUOTE NUMBER:	BUYER P.O. NUMBER:



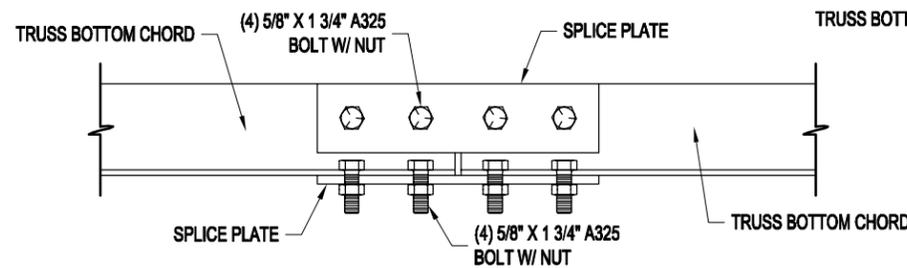
4 TYPICAL RIDGE CONNECTION DETAIL
10.12 SCALE: 1 1/2" = 1'-0"



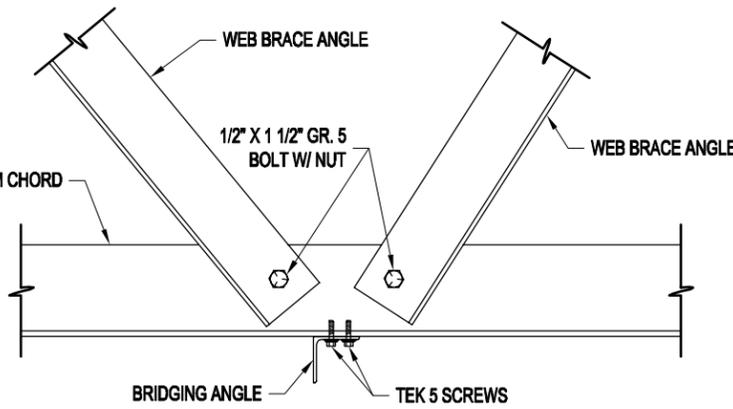
5 WEB BRACE TO ROOF DETAIL
10.12 SCALE: 1 1/2" = 1'-0"



6 TYPICAL EAVE CONNECTION DETAIL
10.12 SCALE: 1 1/2" = 1'-0"



7 TRUSS SPLICE PLATE CONNECTION DETAIL
10.12 SCALE: 1 1/2" = 1'-0"



8 WEB BRACE TO BOTTOM CHORD DETAIL
10.12 SCALE: 1 1/2" = 1'-0"



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CROSS-SECTION DETAILS

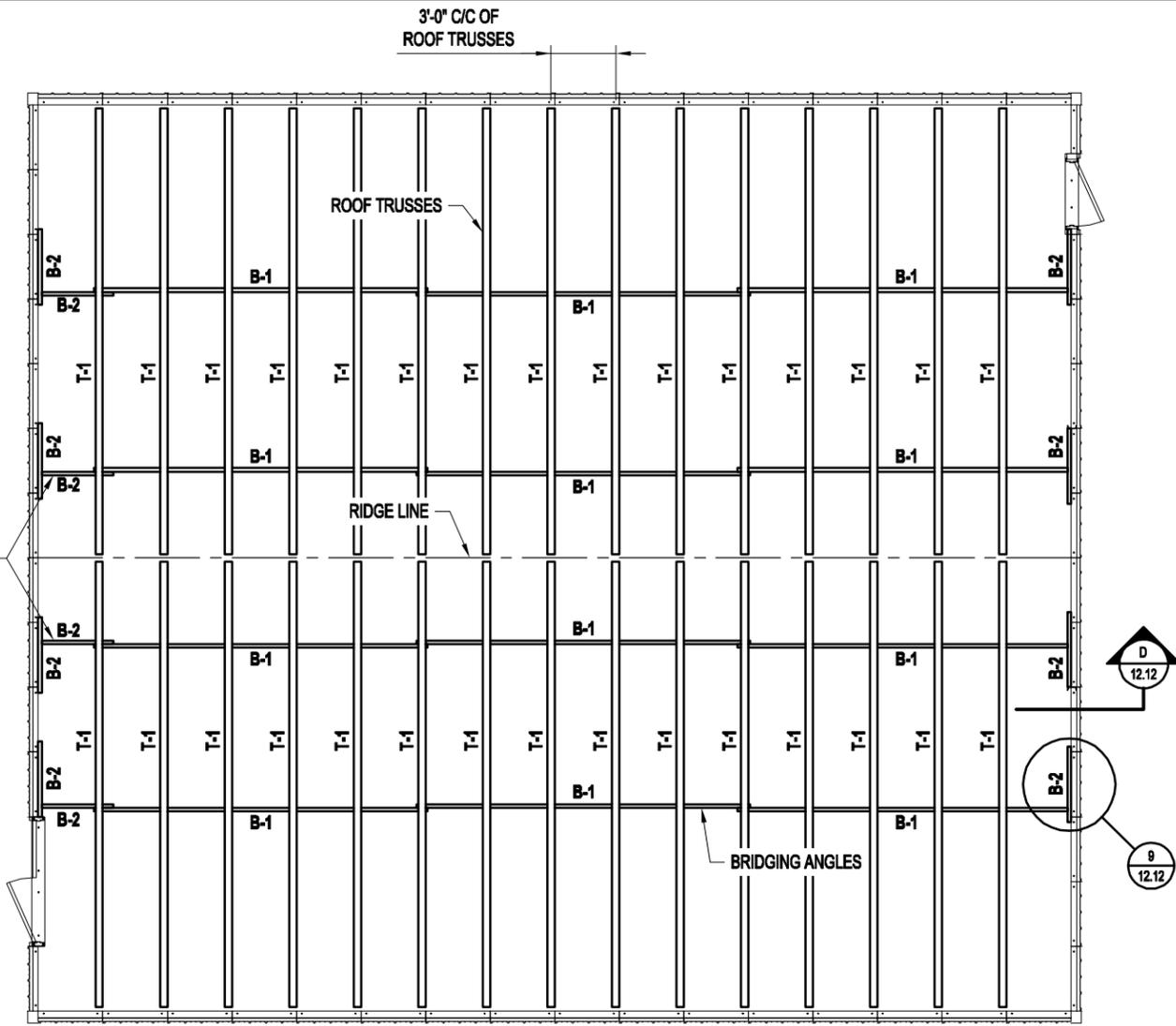
SHEET 11 OF 12

PROJECT TITLE: SAMPLE ASSEMBLY DRAWINGS

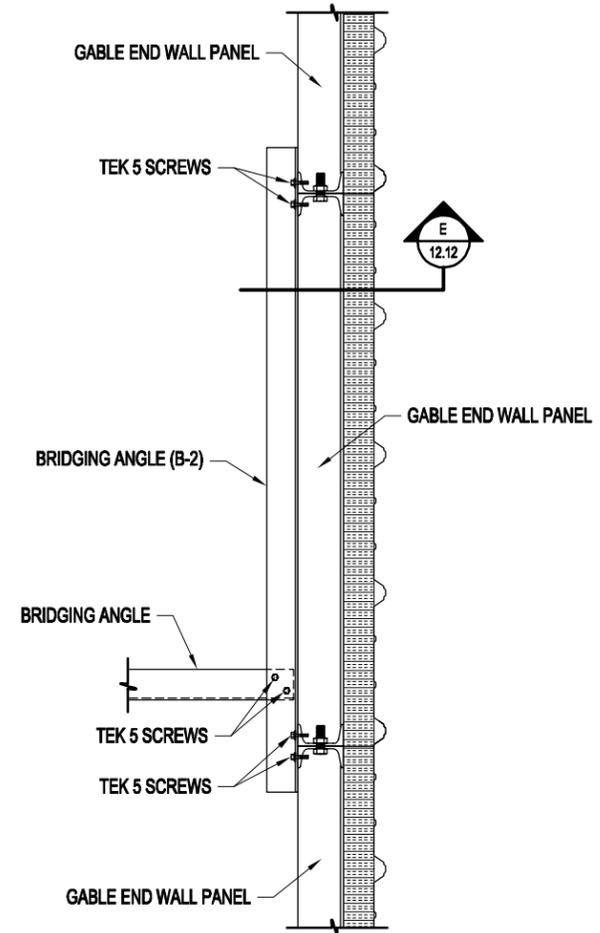
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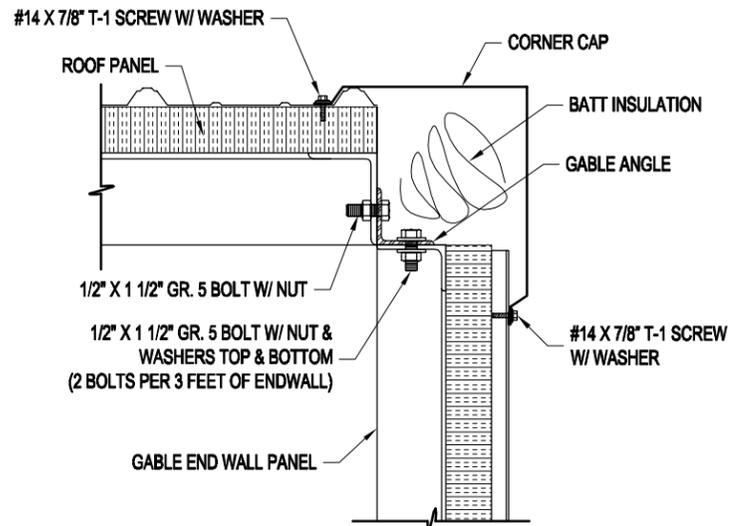
ATTACH THESE PIECES OF "B-2" BRIDGING BEFORE THE FIRST END WALL LIFT TO HELP SUPPORT THE TRUSS AT THE SPLICE



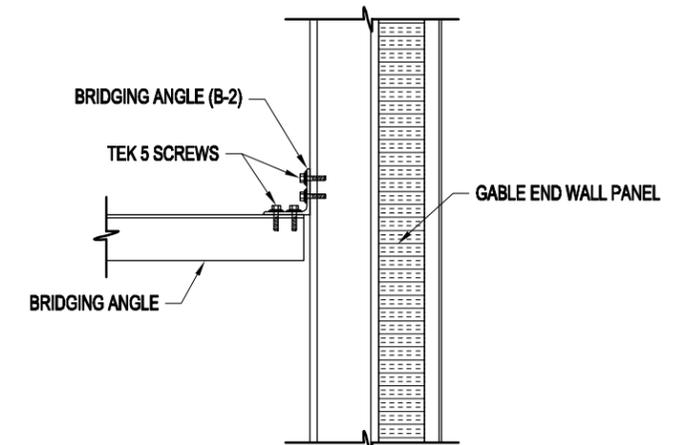
ROOF FRAMING PLAN VIEW



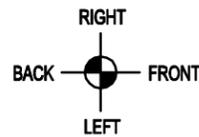
9 BRIDGING TO END WALL DETAIL
SCALE: 1" = 1'-0"



D GABLE RAKE CONNECTION DETAIL
SCALE: 1 1/2" = 1'-0"



E BRIDGING TO END WALL SECTION
SCALE: 1 1/2" = 1'-0"



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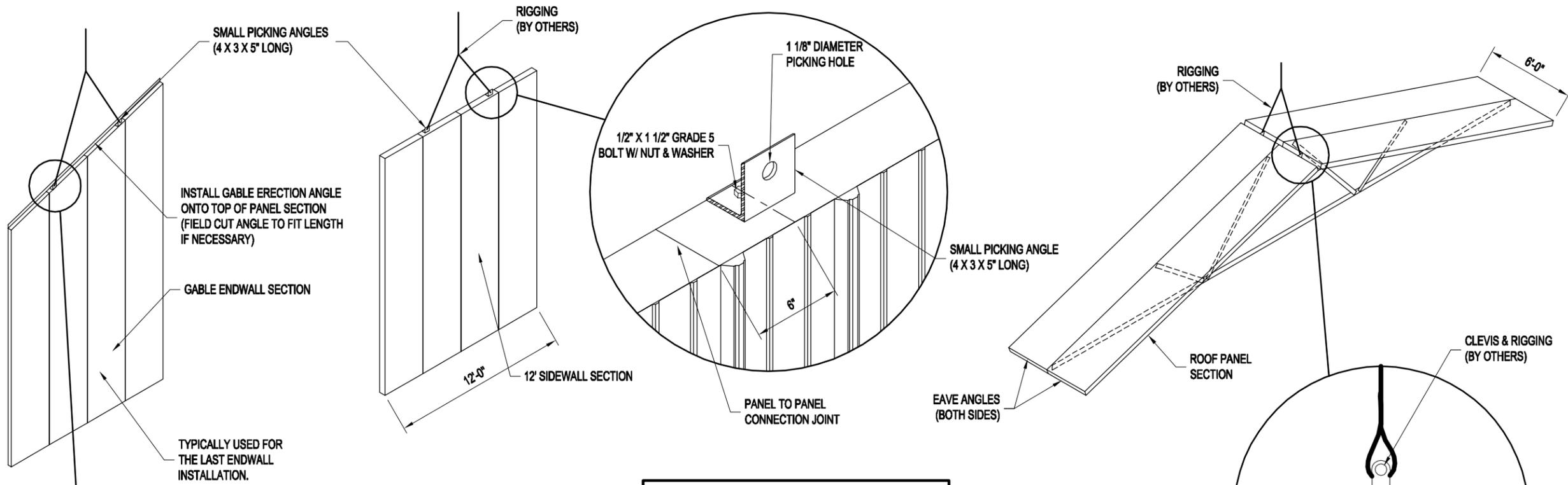
PAGE TITLE:
ROOF FRAMING PLAN VIEW

SHEET **12** OF **12**

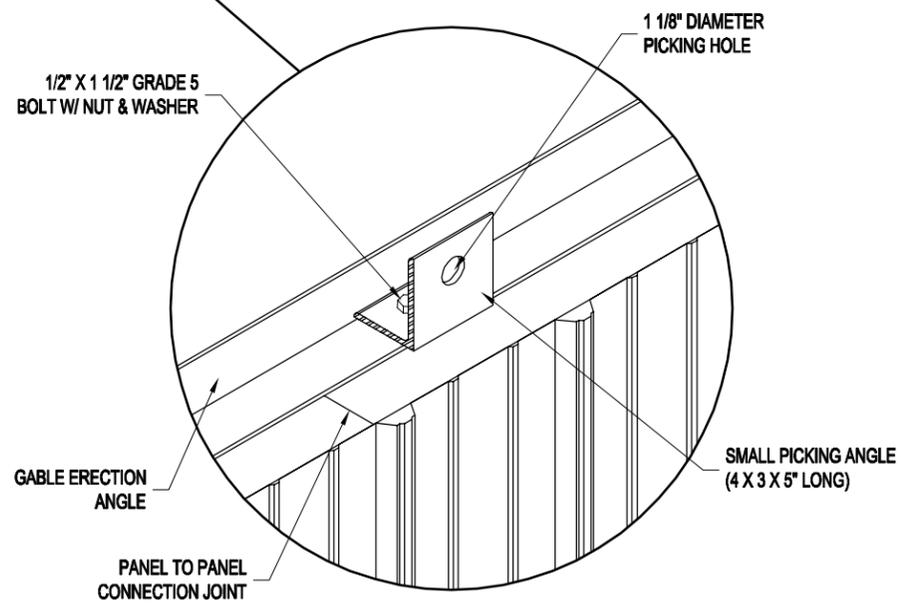
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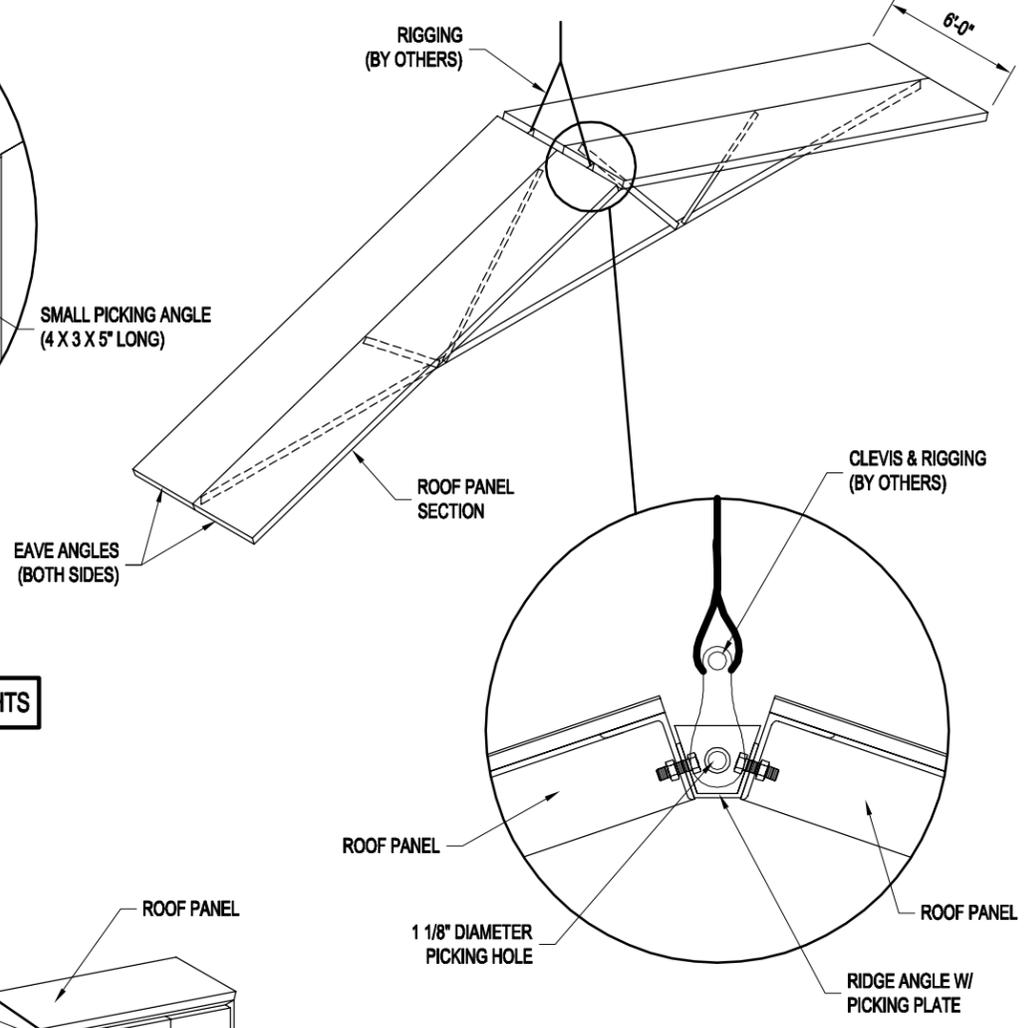
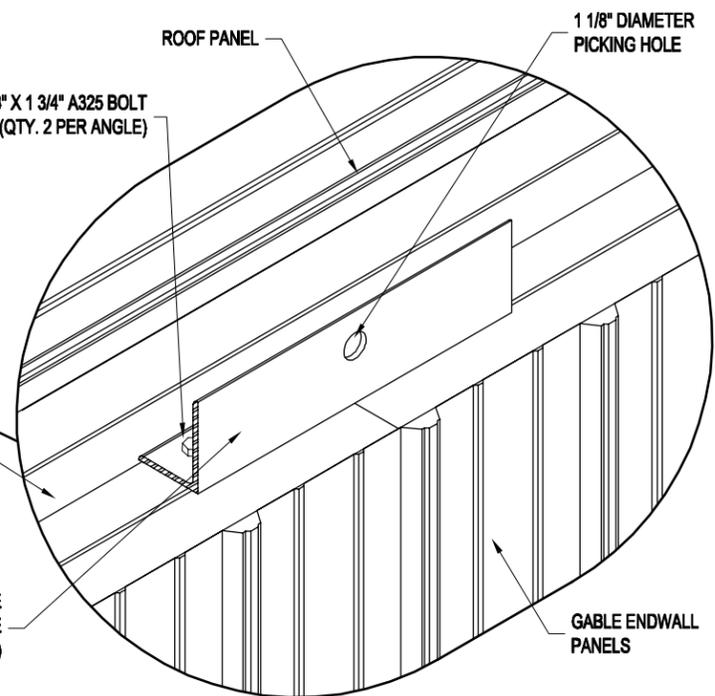
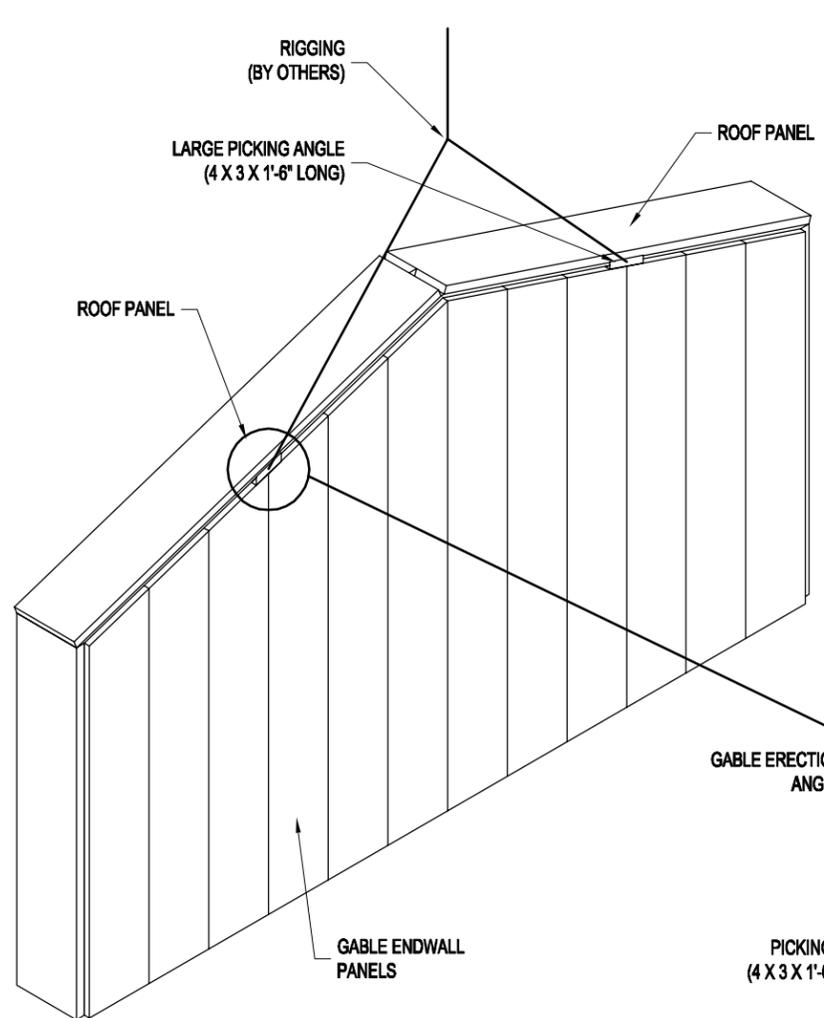


SEE BUILDING LAYFLAT FOR LIFTING WEIGHTS



BEFORE FIRST END WALL LIFT, ATTACH PIECES OF BRIDGING (AS SHOWN ON THE ROOF FRAMING PLAN) TO SUPPORT TRUSS SPLICE.

TYPICALLY USED WHEN TIPPING THE FIRST ENDWALL INTO PLACE AT THE START OF ASSEMBLING THE BUILDING. (TYPICAL ALL WIDTHS)



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PAGE TITLE:
BUILDING ASSEMBLY LIFTING INSTRUCTIONS
 SHEET SS-1 OF SS-15

PROJECT TITLE:
SAMPLE ASSEMBLY DRAWINGS

DRAWN BY: APC
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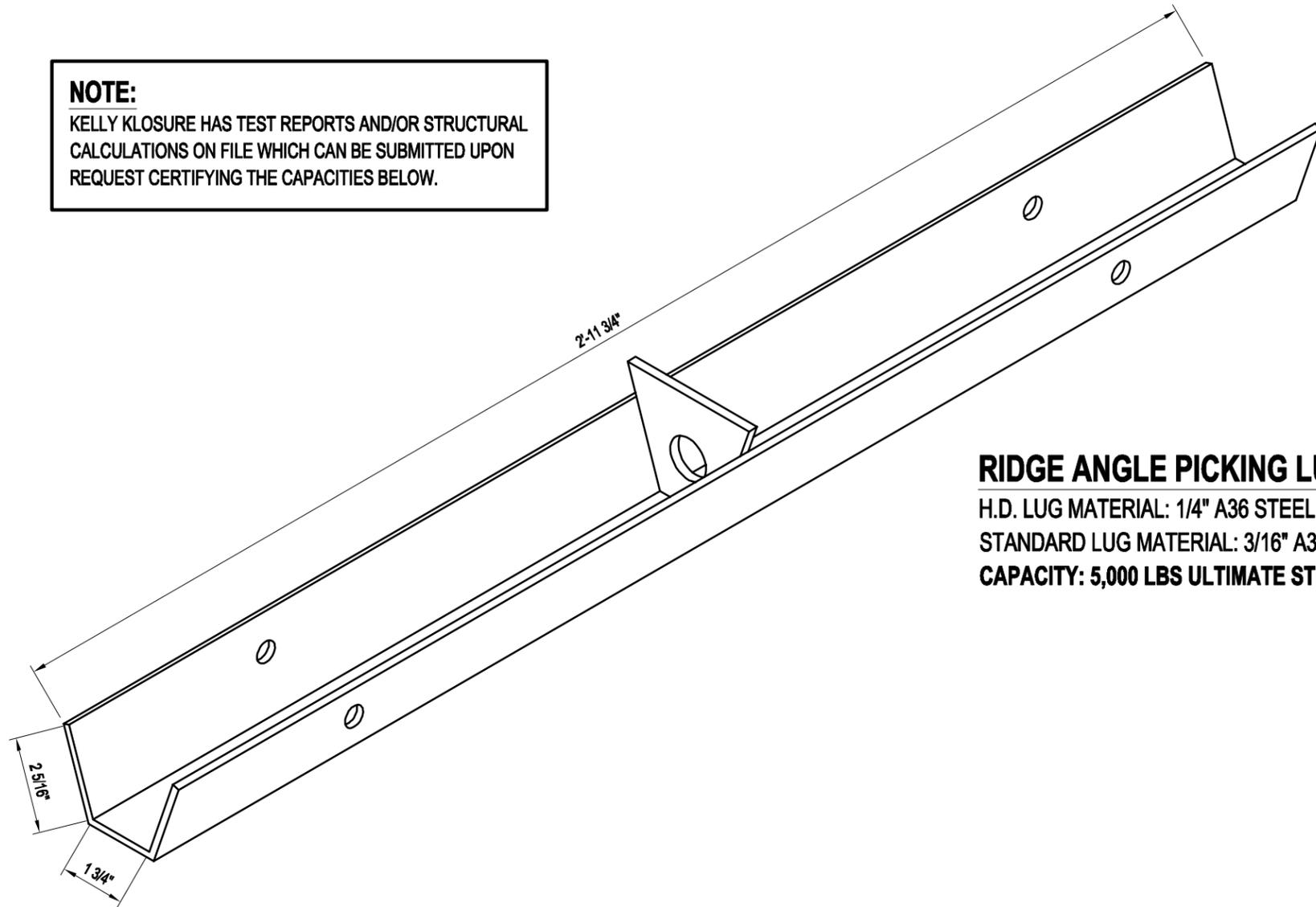
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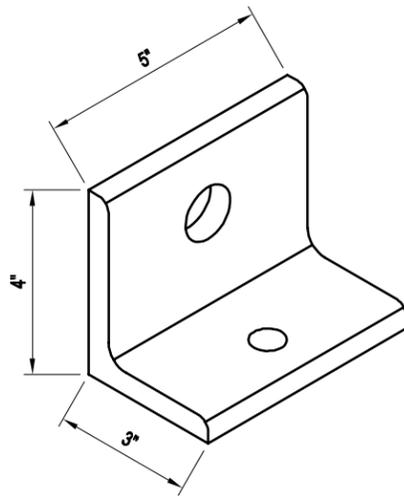
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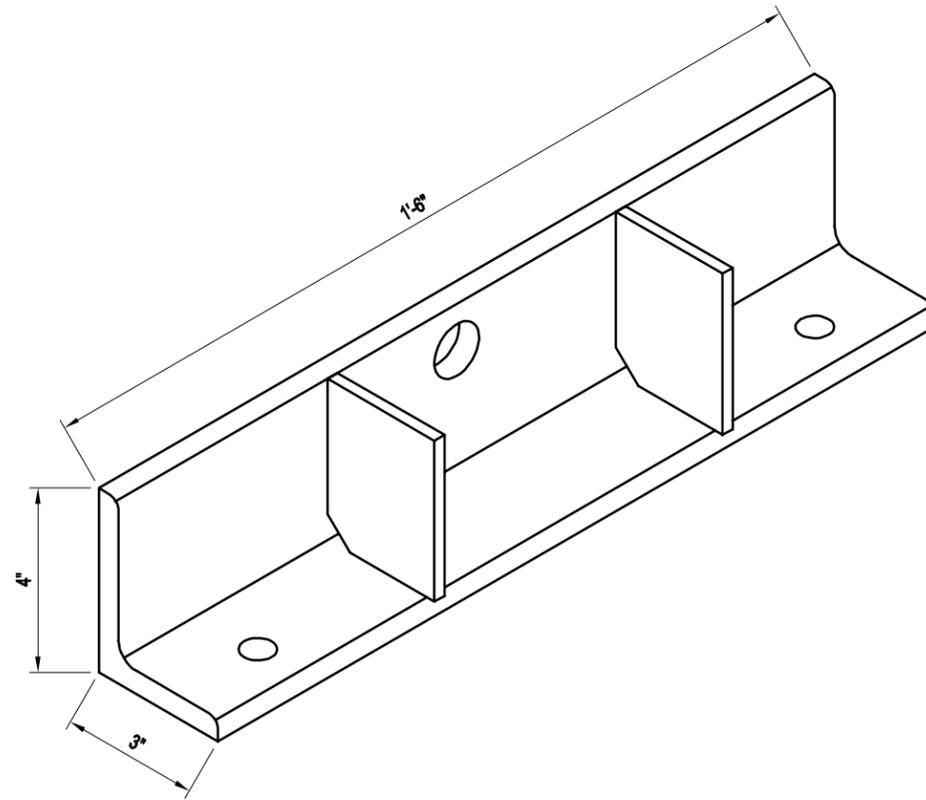
RIDGE ANGLE PICKING LUG

H.D. LUG MATERIAL: 1/4" A36 STEEL WITH 3/8" LUG PLATE
 STANDARD LUG MATERIAL: 3/16" A36 STEEL WITH 1/4" LUG PLATE
CAPACITY: 5,000 LBS ULTIMATE STRENGTH FOR USE AS LIFE SAFETY TIE-OFF POINT



SMALL LIFTING ANGLE

MATERIAL: 4" X 3" X 1/2" A36 STEEL ANGLE
CAPACITY: 2,000 LBS WITH 1/2" GRADE 5 BOLT, NUT & WASHERS

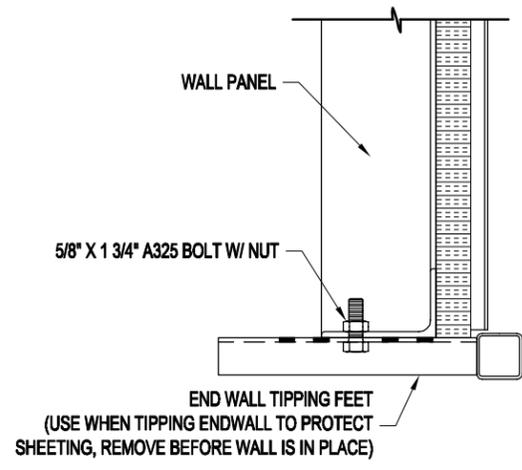
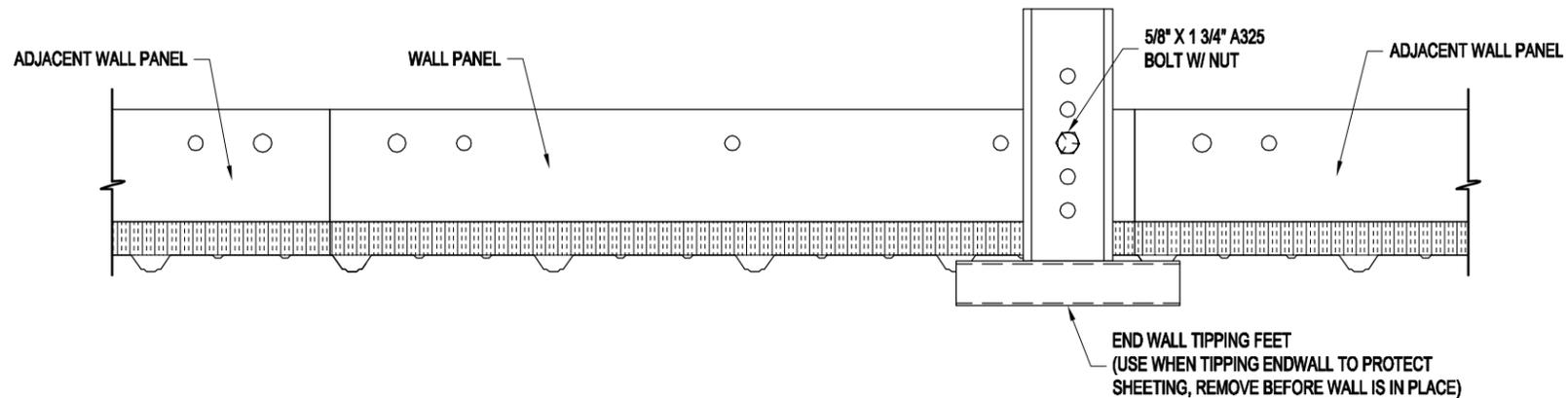
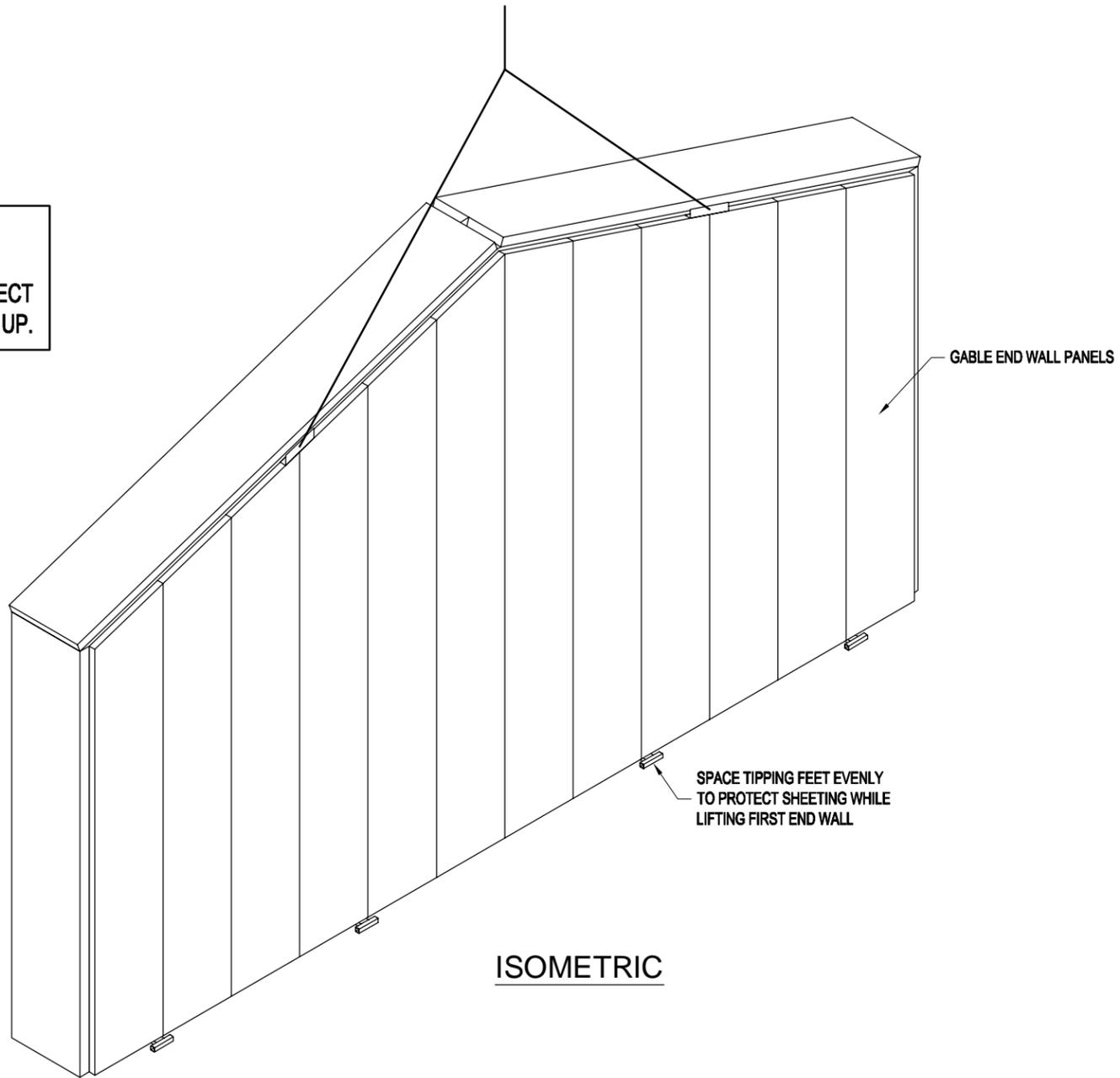


LARGE LIFTING ANGLE

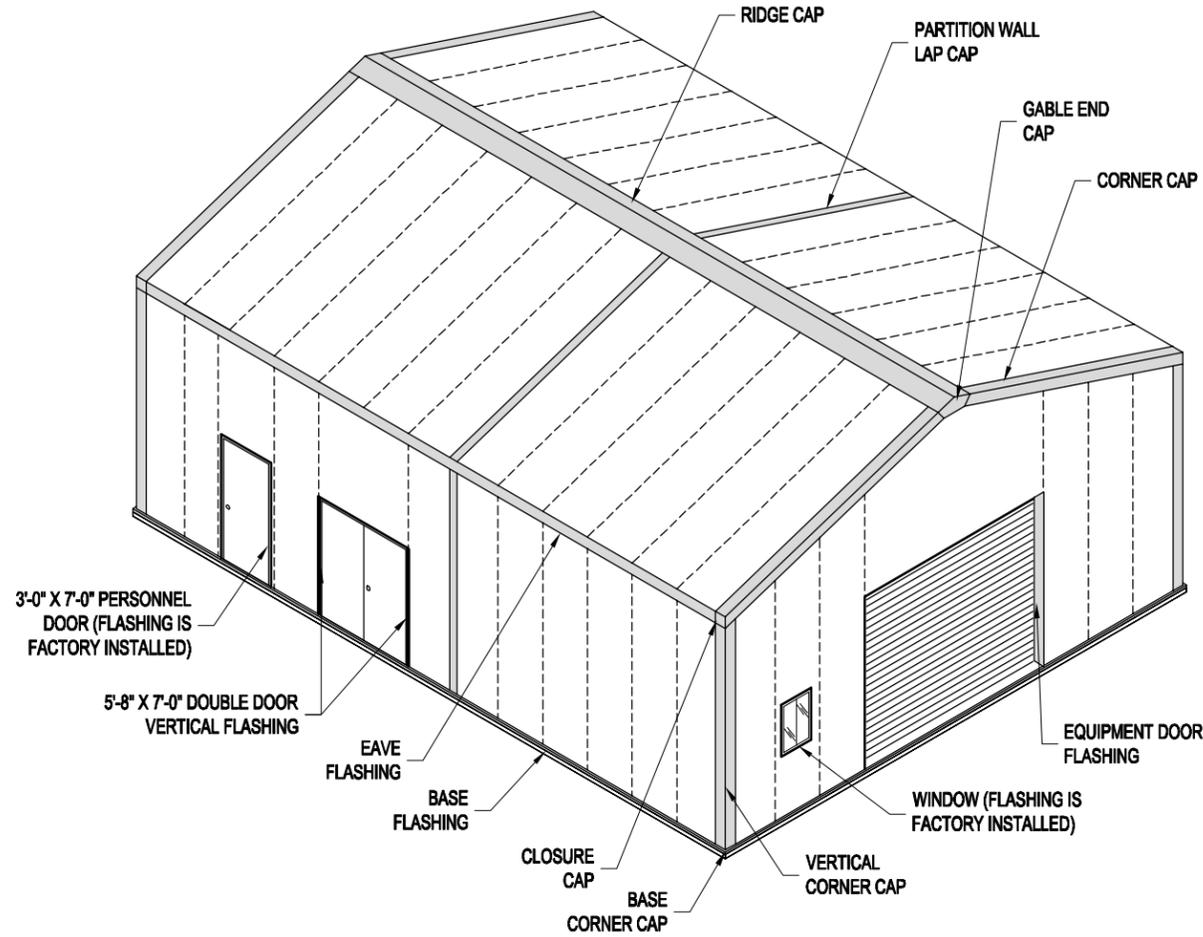
MATERIAL: 4" X 3" X 1/2" A36 STEEL ANGLE W/ STIFFENER PLATES
CAPACITY: 7,700 LBS WITH 5/8" A325 BOLT & NUT

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<p>DRAWN BY: APC</p>	<p>DATE: 1/29/14</p>
<p>APPROVED BY:</p>	<p>DATE: 1/29/14</p>
<p>REVISION: 00</p>	<p>DATE: 1/29/14</p>
<p>SCALE: NO SCALE</p>	<p>BUYER P.O. NUMBER:</p>
<p>K.K. QUOTE NUMBER:</p>	<p>BUYER:</p>
<p>K.K. ORDER NUMBER:</p>	<p>BUYER P.O. NUMBER:</p>
<p>SHEET SS-2 OF SS-15</p>	
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NOTE:
IF NECESSARY, TIPPING FEET CAN BE USED FOR OTHER WALL SECTION PICKS TO PROTECT THE SHEETING WHILE TIPPING THE PANELS UP.



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<p>PAGE TITLE: TIPPING FEET INSTALLATION INSTRUCTIONS</p>	
<p>SHEET SS-3 OF SS-15</p>	
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<p>APPROVED BY:</p>	<p>REVISION: 00</p>
<p>SCALE: NO SCALE</p>	<p>DATE: 1/29/14</p>
<p>K.K. QUOTE NUMBER:</p>	<p>BUYER P.O. NUMBER:</p>
<p>K.K. ORDER NUMBER:</p>	<p>BUYER:</p>



BUILDING FLASHING INSTALLATION LOCATIONS

GUTTERS AND DOWNSPOUTS NOT SHOWN
SEE GUTTER INSTALLATION PAGES FOR INFORMATION

NOTE:
REMOVE PROTECTIVE FILM FROM FLASHING MATERIAL PRIOR TO INSTALLATION IF APPLICABLE

IMPORTANT NOTE:
OVERHEAD DOORS ARE SUPPLIED ONLY!

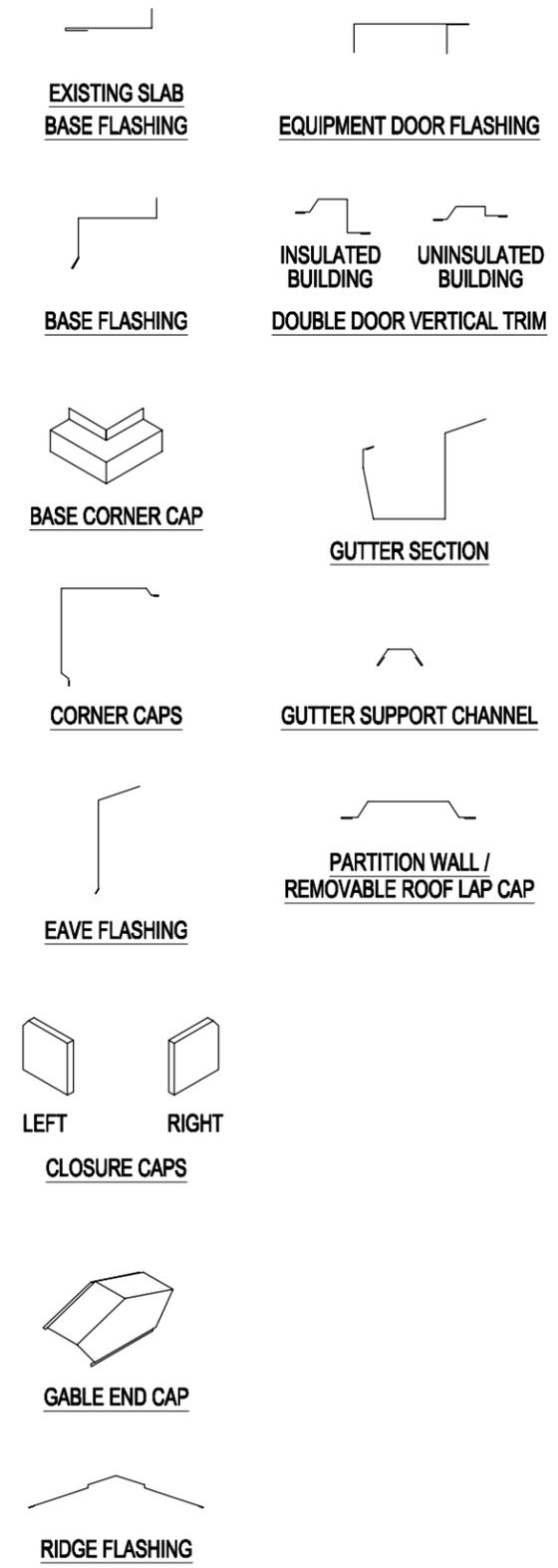
INSTALLATION & SERVICE BY OTHERS!

(INSTRUCTIONS FOR OVERHEAD DOOR ARE INCLUDED WITH THE DOOR)

FLASHING INSTALLATION SEQUENCE

(SEE PAGES DIRECTLY FOLLOWING THIS PAGE FOR INSTALLATION OF THE FOLLOWING PARTS)

1. BASE FLASHING
SUPPLIED IN 10'-6" LENGTHS
2. BASE FLASHING CORNER CAPS
SUPPLIED AS SHOWN
3. CORNER CAPS @ WALL CORNERS
TYPICALLY SUPPLIED IN 10'-6" LENGTHS
4. INSTALL PARTITION WALL & REMOVABLE ROOF LAP CAPS (IF APPLICABLE)
5. EAVE FLASHING
SUPPLIED IN 10'-6" LENGTHS
INSTALL GUTTERS AND DOWNSPOUTS DURING THIS STEP IF SUPPLIED
(SEE THE GUTTER INSTALLATION PAGES FOR DETAILS)
6. CORNER CAPS @ ROOF CORNERS
TYPICALLY SUPPLIED IN 10'-6" LENGTHS
7. CLOSURE CAPS
SUPPLIED AS SHOWN
(THERE WILL BE DIFFERENT CLOSURE CAPS FOR THE RIGHT AND LEFT SIDE AS YOU FACE THE GABLE END WALL OF THE BUILDING)
8. GABLE END CAP
SUPPLIED AS SHOWN
9. RIDGE CAP
SUPPLIED IN 10'-6" PIECES
10. INSTALL ALL REMAINING MATERIAL INCLUDING EQUIPMENT DOOR FLASHING, DOUBLE DOOR VERTICAL FLASHING & ANY OTHER MATERIAL REQUIRED.





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BUILDING FLASHING
INSTALLATION INSTRUCTIONS
SHEET SS-4 OF SS-15

PROJECT TITLE: SAMPLE ASSEMBLY DRAWINGS
BUYER P.O. NUMBER:
BUYER:
K.K. ORDER NUMBER:

DRAWN BY: APC
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APPROVED BY:
DATE: 1/29/14
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K.K. QUOTE NUMBER:

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BASE FLASHING INSTALLATION

INSTALLATION INSTRUCTIONS:

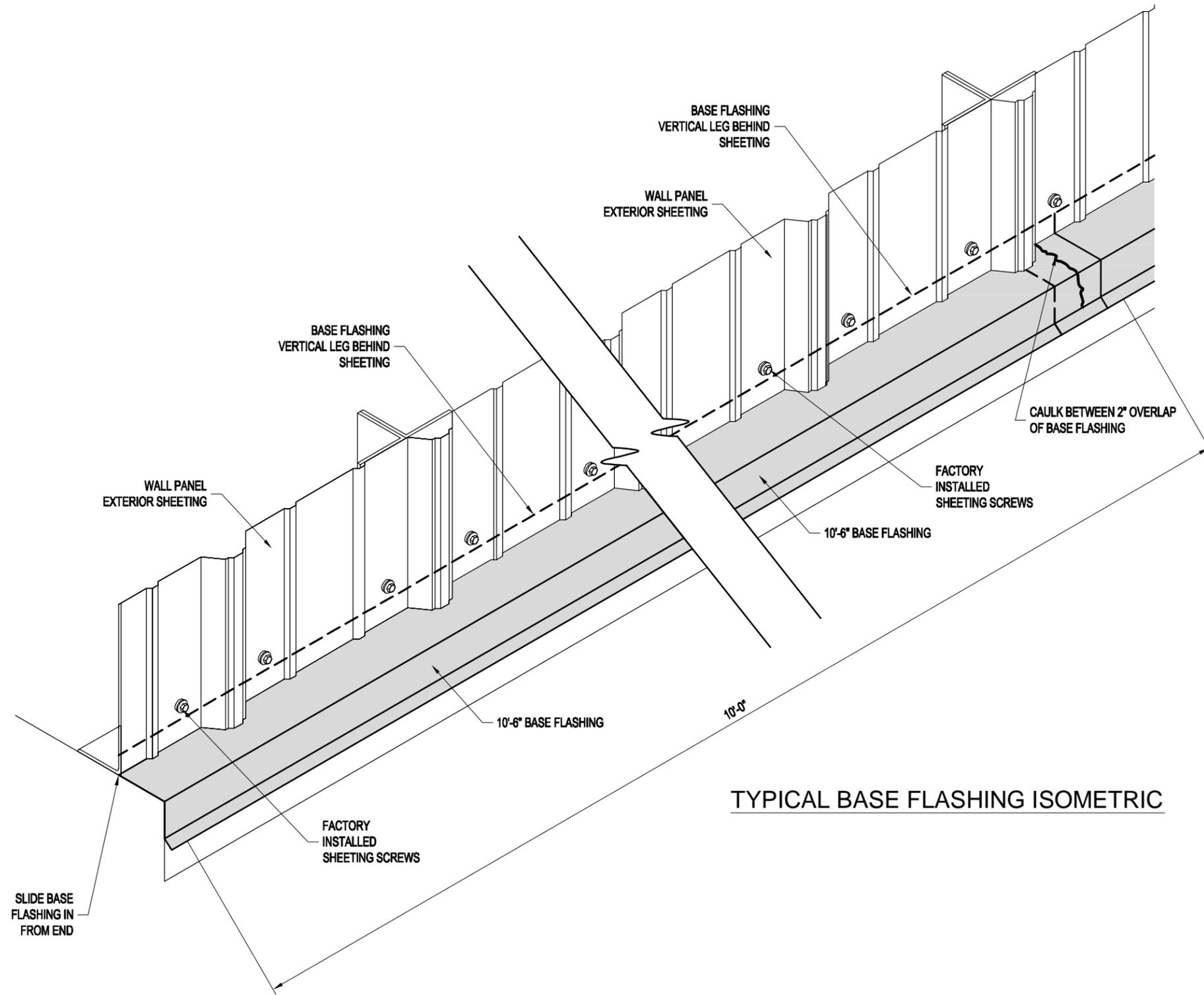
1.) LOOSEN BOTTOM ROW OF SHEETING SCREWS (DO NOT REMOVE).

2.) SLIDE BASE FLASHING IN FROM END OF WALL. OVERLAP SECTIONS BY 2" AND CAULK AT FLASHING LAP JOINTS.

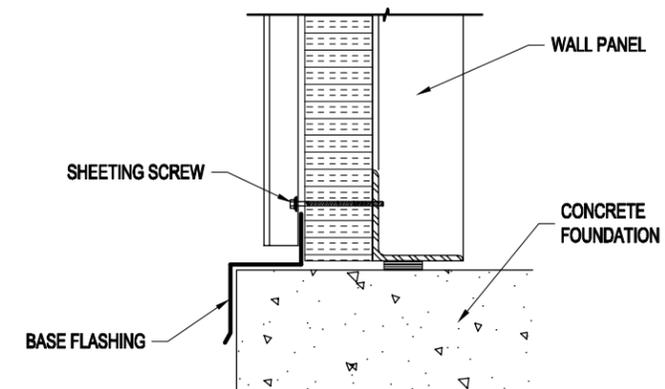
3.) TIGHTEN SHEETING SCREWS.

TIP: FOR LONGER WALLS, INSTALL BASE FLASHING AFTER EACH 12' SECTION OF WALL IS ERECTED

NOTE: BASE FLASHING MAY NEED TO BE FIELD TRIMMED FOR PROPER FIT.



TYPICAL BASE FLASHING ISOMETRIC



BASE SECTION

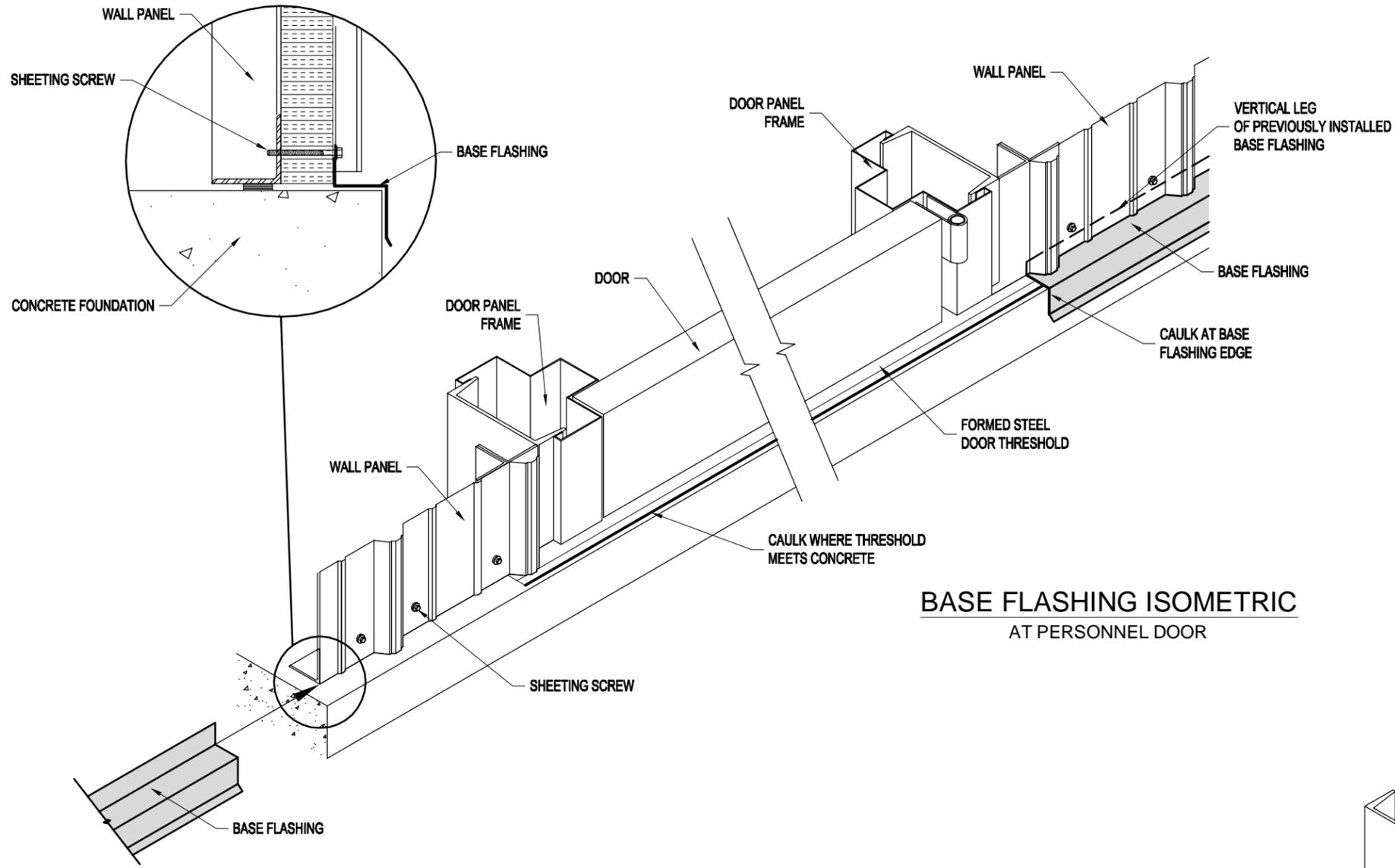


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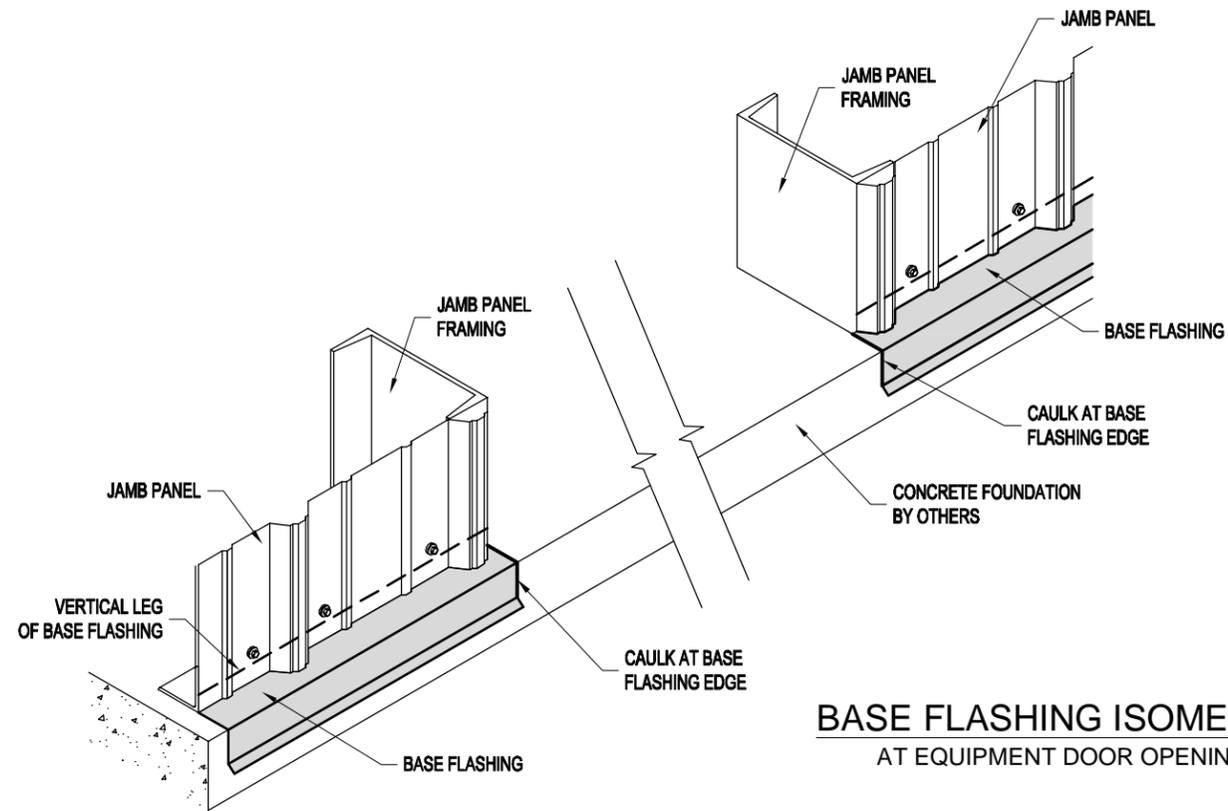
PAGE TITLE:
**BASE FLASHING
 INSTALLATION ISOMETRIC**
 SHEET SS-5 OF SS-15
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BASE FLASHING AT DOORS



BASE FLASHING ISOMETRIC
AT PERSONNEL DOOR



BASE FLASHING ISOMETRIC
AT EQUIPMENT DOOR OPENING

THIS PAGE IS TYPICAL
FOR BOTH INSULATED &
NON-INSULATED BUILDINGS



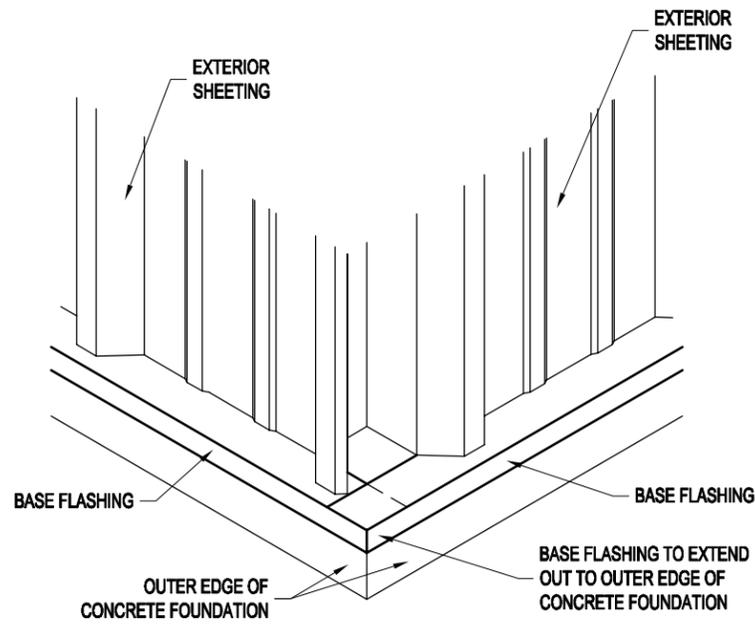
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PAGE TITLE:
**BASE FLASHING INSTALLATION
ISOMETRIC (AT DOORS)**
SHEET SS-6 OF SS-15

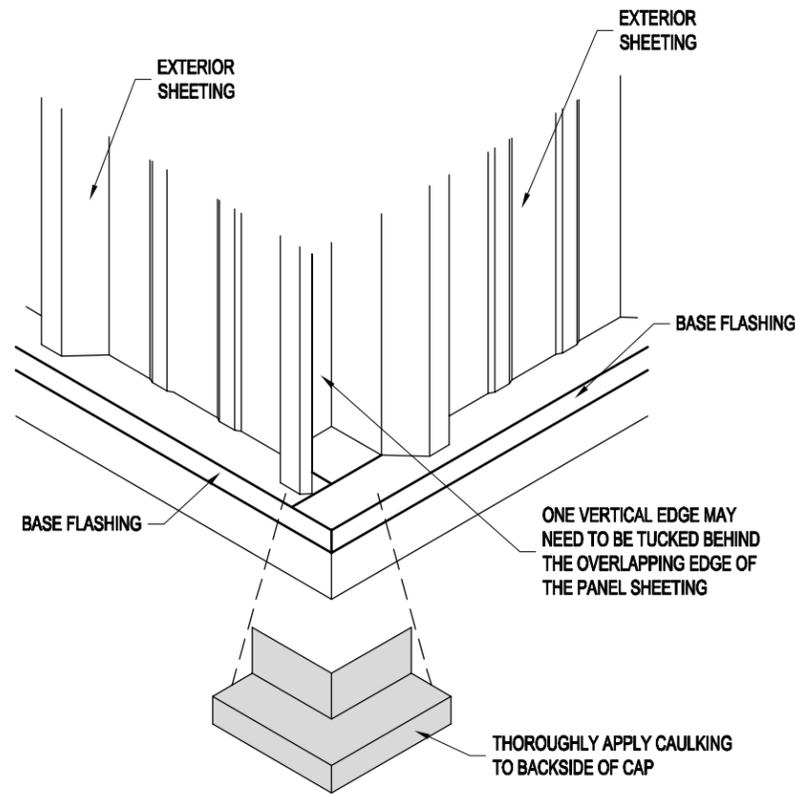
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REVISION: 00	DATE: 1/29/14		

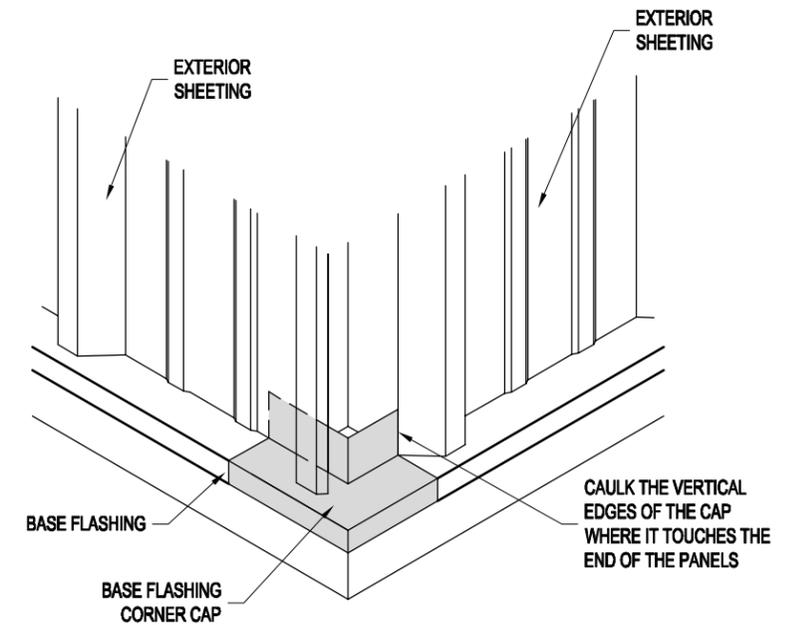
BASE FLASHING CORNER CAP



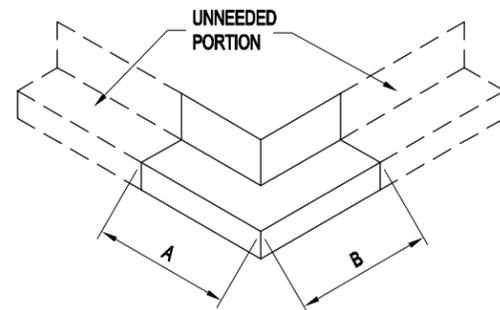
STEP #1
 INSTALL BASE FLASHING AS SHOWN, EXTENDING EACH PIECE OUT TO THE OUTER EDGE OF THE CONCRETE FOUNDATION SHOWN.



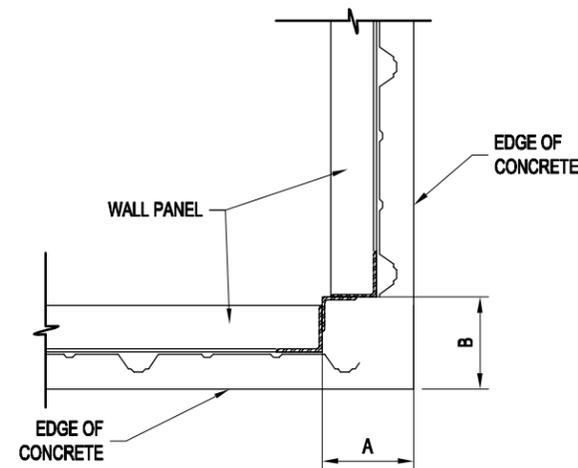
STEP #3
 INSTALL BASE FLASHING CORNER CAP AS SHOWN. CAULK BETWEEN BASE FLASHING AND CORNER CAP.



STEP #4
 SCREW OR POP RIVET BASE FLASHING CORNER CAP TO THE BASE FLASHING IF NEEDED
 FINISHED CORNER LAP



STEP #2
 FIELD PREP BASE FLASHING CORNER CAP BY TRIMMING OFF UNNEEDED PORTION. THIS IS ACHIEVED BY MEASURING THE DISTANCE FROM OUTER EDGE OF CONCRETE TO EDGE OF WALL PANEL AT THE CORNER (SEE DETAIL #1). NOW APPLY THESE MEASUREMENTS TO THE CAP AND TRIM OFF THE UNNEEDED PORTION.



DETAIL #1

THIS PAGE IS TYPICAL FOR BOTH INSULATED & NON-INSULATED BUILDINGS



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PAGE TITLE:
**BASE FLASHING CORNER CAP
 INSTALLATION INSTRUCTIONS**
 SHEET SS-7 OF SS-15

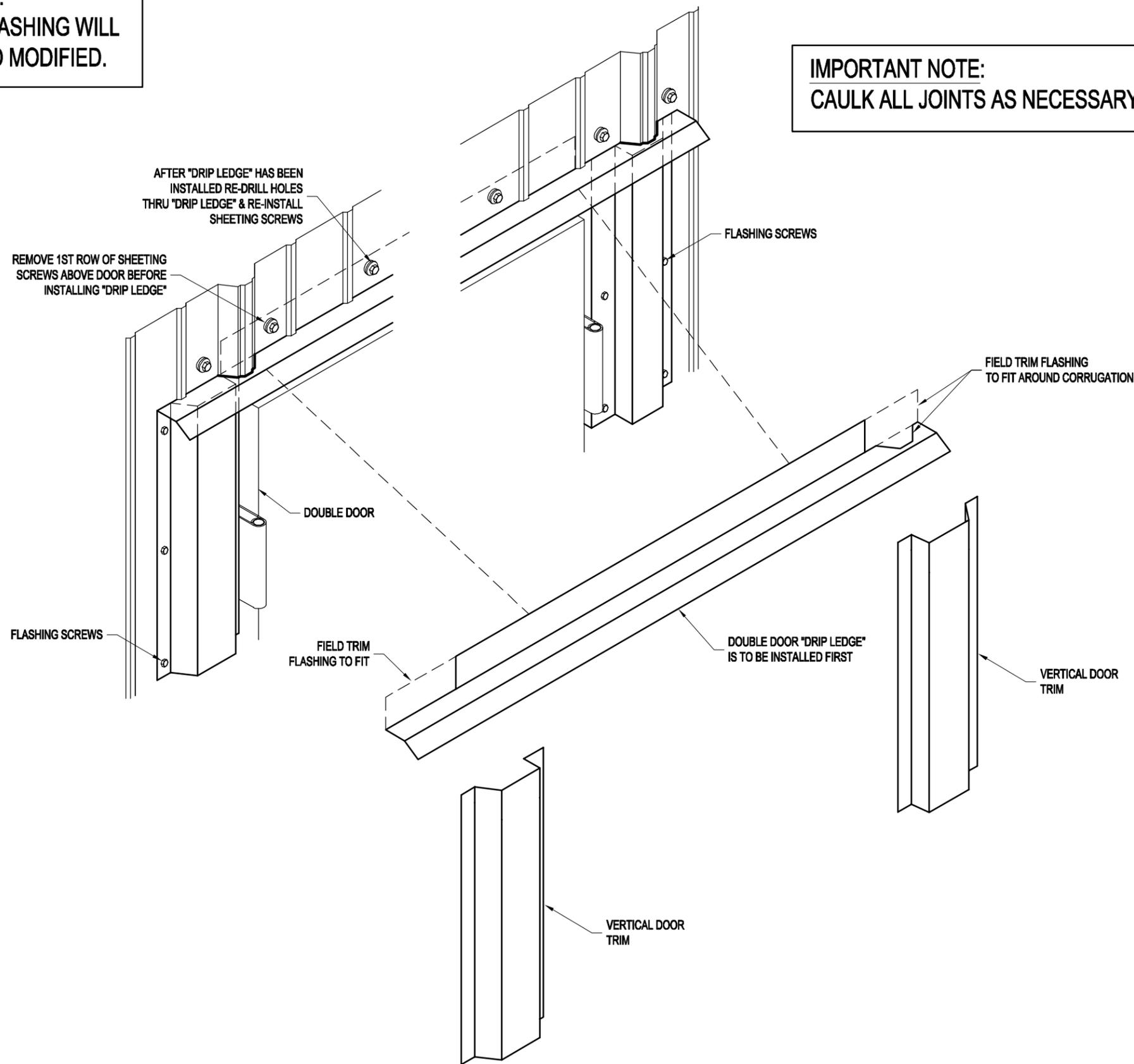
PROJECT TITLE: SAMPLE ASSEMBLY DRAWINGS		BUYER P.O. NUMBER:	
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DOUBLE DOOR FLASHING

IMPORTANT NOTE:
DOUBLE DOOR FLASHING WILL
NEED TO BE FIELD MODIFIED.

IMPORTANT NOTE:
CAULK ALL JOINTS AS NECESSARY.



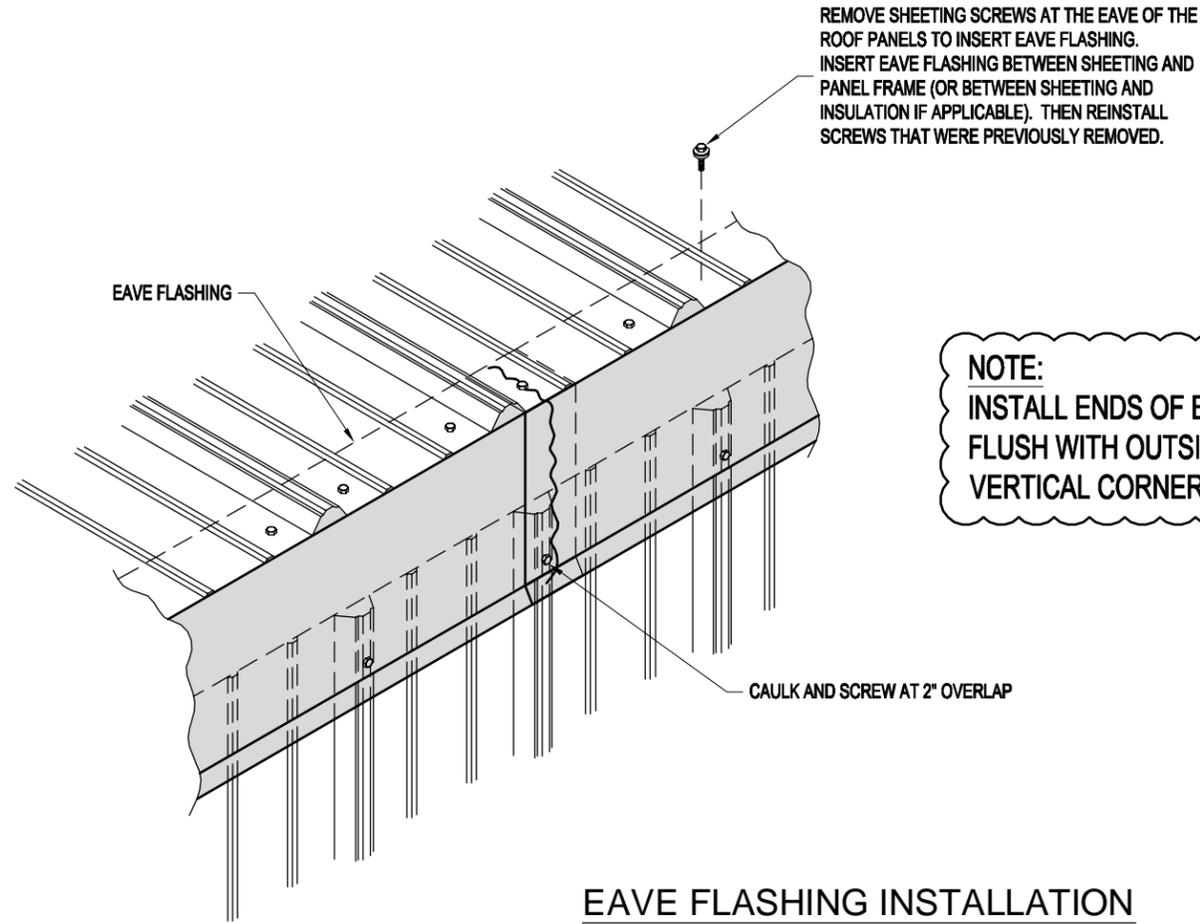
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PAGE TITLE:
**DOUBLE DOOR FLASHING
INSTALLATION INSTRUCTIONS**
SHEET SS-8 OF SS-15

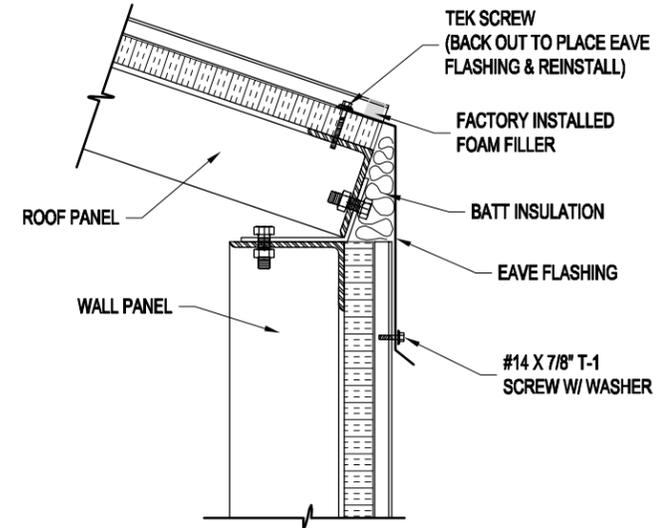
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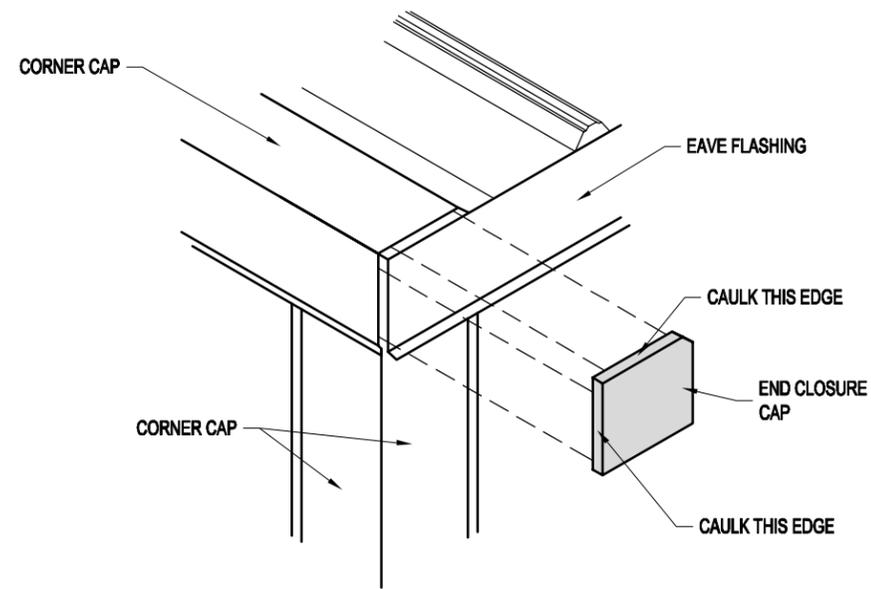
EAVE FLASHING



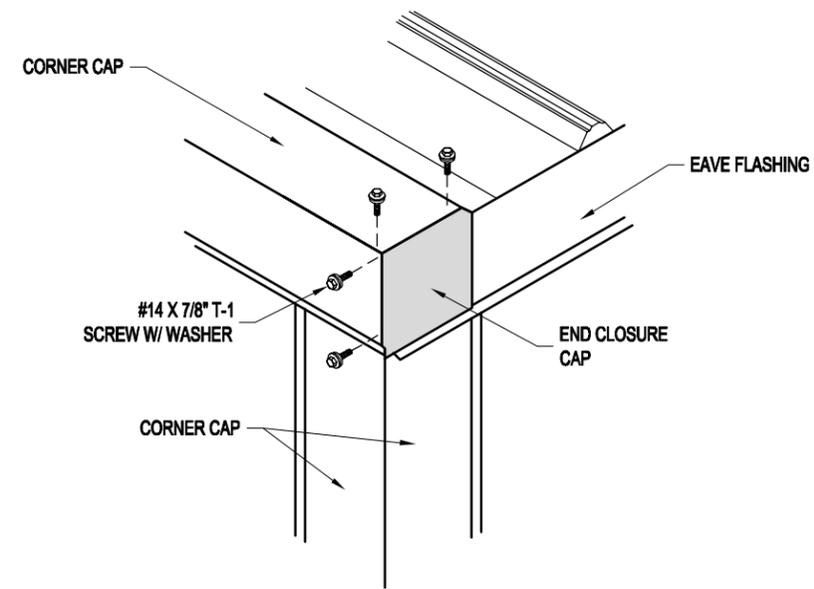
EAVE FLASHING INSTALLATION



SECTION



CLOSURE END CAP BEING INSTALLED



CLOSURE END CAP INSTALLED



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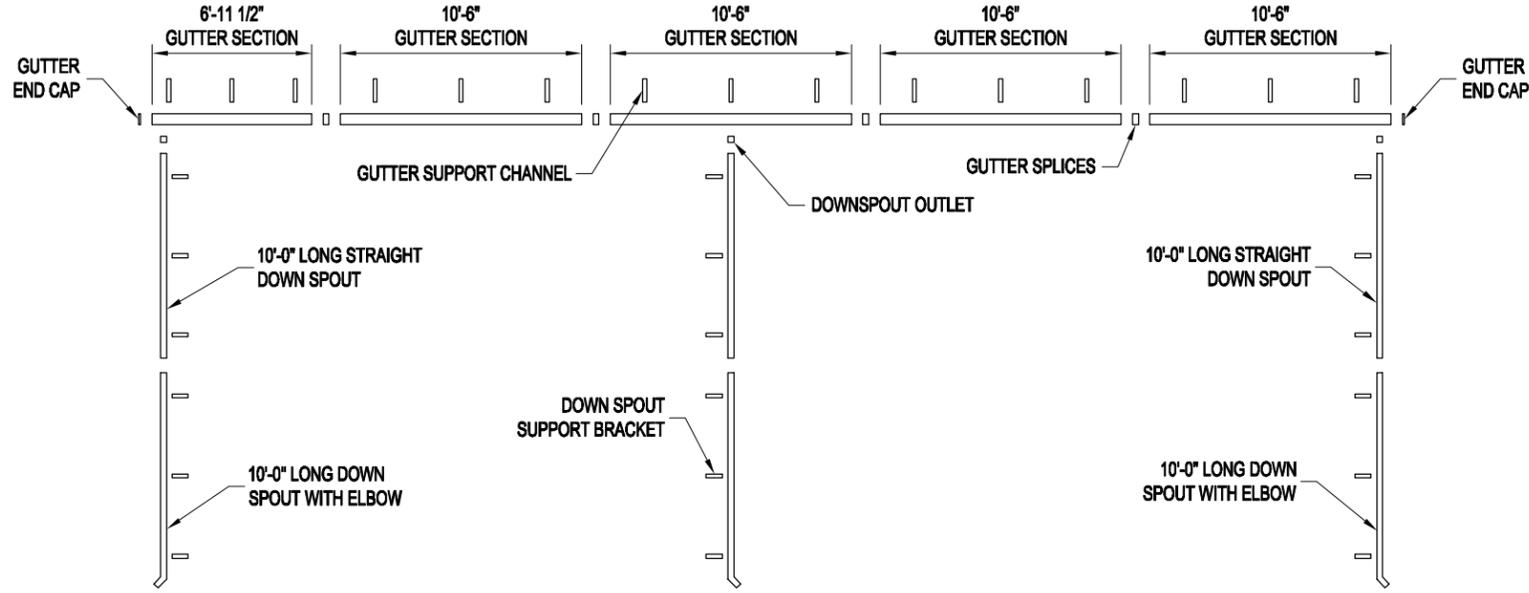
PAGE TITLE:
EAVE FLASHING & CLOSURE CAP
INSTALLATION INSTRUCTIONS
SHEET SS-9 OF SS-15

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DATE: 1/29/14		K.K. QUOTE NUMBER:	
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IMPORTANT NOTE:
ALL DOWNSPOUTS WILL NEED
TO BE FIELD LOCATED AND CUT
TO THE APPROPRIATE LENGTH.

IMPORTANT NOTE:
SEE "GUTTER & DOWN SPOUT INSTALLATION"
PAGES FOR ANY INSTALLATION QUESTIONS.



GUTTER SYSTEM LAYFLAT
(SAME FOR OTHER SIDE)

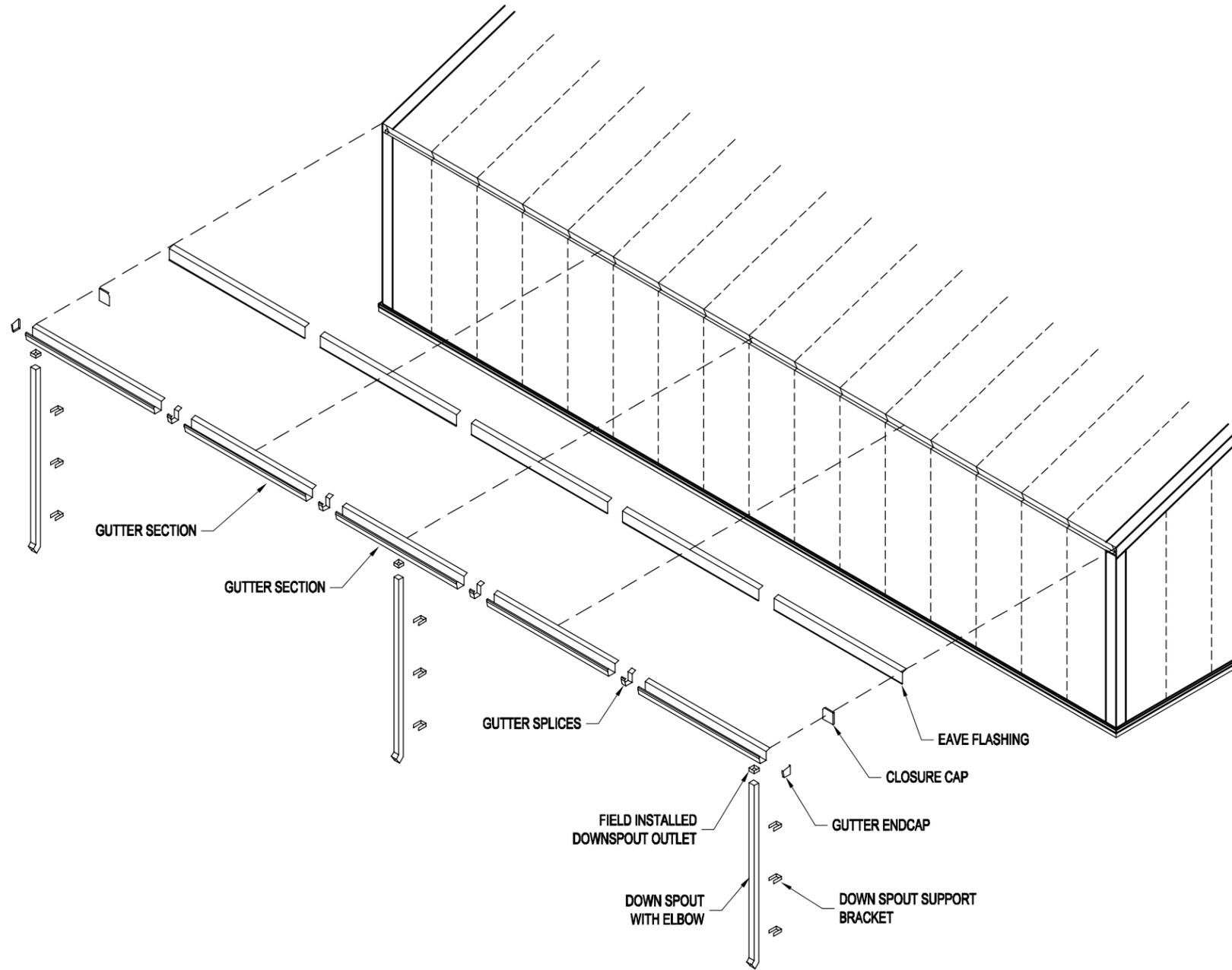


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PAGE TITLE:
GUTTER & DOWNSPOUT
LAYFLAT
SHEET SS-10 OF SS-15

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TYPICAL GUTTER SYSTEM
EXPLODED VIEW

GUTTER SYSTEM AND EAVE FLASHING INSTALLATION INSTRUCTIONS

IMPORTANT NOTES:

1. REFER TO GUTTER SYSTEM LAYFLAT PAGE FOR LOCATIONS OF EACH COMPONENT.
2. GUTTERS TO BE INSTALLED AT SAME TIME AS EAVE FLASHING.
3. CAULK AROUND ALL END CAPS AND BETWEEN EACH JOINT WITH SUPPLIED CAULKING.
4. SOME FIELD CUTTING OF COMPONENTS MAY BE NECESSARY TO ENSURE PROPER FIT.
5. IN COLD CLIMATES WHERE ICE AND SNOW BUILD UP IS A PROBLEM, KELLY RECOMMENDS HEAT TRACE TO PREVENT ICE BUILD UP IN THE GUTTERS AND SNOW GUARDS / BLOCKS TO PREVENT SNOW FROM SLIDING OFF THE ROOF AND DAMAGING THE GUTTERS. THIS MATERIAL IF REQUIRED IS TO BE SUPPLIED AND INSTALLED BY OTHERS.

GUTTER & DOWNSPOUT INSTALLATION PROCEDURE

1. LAYOUT GUTTER SYSTEM MATERIAL AS SHOWN ON THE GUTTER SYSTEM LAYFLAT PAGE. (SEE INDEX FOR PAGE #)
2. INSTALL GUTTER SECTIONS & EAVE FLASHING STARTING AT ONE END OF BUILDING. BE SURE TO INSTALL CLOSURE CAPS AT EACH END OF THE BUILDING BEHIND THE GUTTER SECTION. (SEE FLASHING INSTALLATION DETAILS)
3. TO INSTALL GUTTER SECTIONS & EAVE FLASHING; REMOVE FACTORY INSTALLED SCREWS AT THE END OF THE ROOF SHEETS. SLIDE EAVE FLASHING AND GUTTERS UNDER THE ROOF SHEET AND FOAM FILLER. REINSTALL SCREWS THROUGH ROOF SHEET, GUTTER, EAVE FLASHING AND INTO FRAME. BUTT THE ENDS OF THE GUTTER SECTIONS TOGETHER AS SHOWN ON THE "GUTTER INSTALLATION DETAILS PAGE".
4. CONNECT GUTTER SECTIONS USING THE SUPPLIED GUTTER SPLICES. INSTALL GUTTER END CAPS AND DOWNSPOUT OUTLETS IN THE CORRECT LOCATIONS. USE CAULKING AND SUPPLIED RIVETS TO SECURE. (THESE COMPONENTS CAN BE INSTALLED AFTER ALL GUTTER SECTIONS ARE IN PLACE OR WHILE THEY ARE BEING INSTALLED.)
5. AFTER ALL GUTTER SECTIONS ARE INSTALLED, BEGIN FASTENING GUTTER SUPPORT CHANNELS EVERY 3'-0" ON CENTER AT ROOF OVERLAP JOINTS. THESE CHANNELS SHOULD BE 1'-0" LONG.
6. INSTALL DOWN SPOUTS USING SUPPLIED DOWN SPOUT BRACKETS. USE SUPPLIED TEK SCREWS AND RIVETS TO FASTEN.

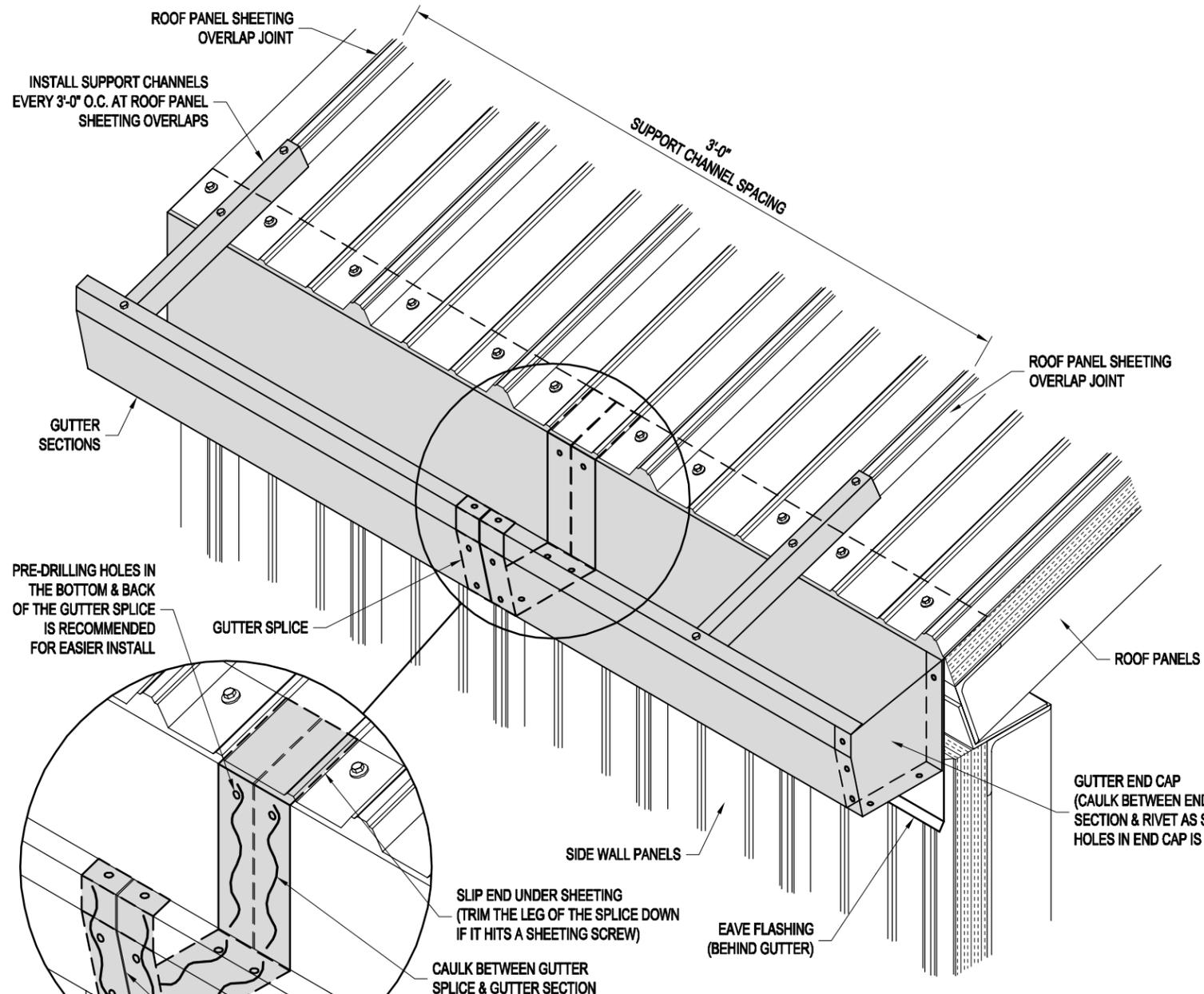


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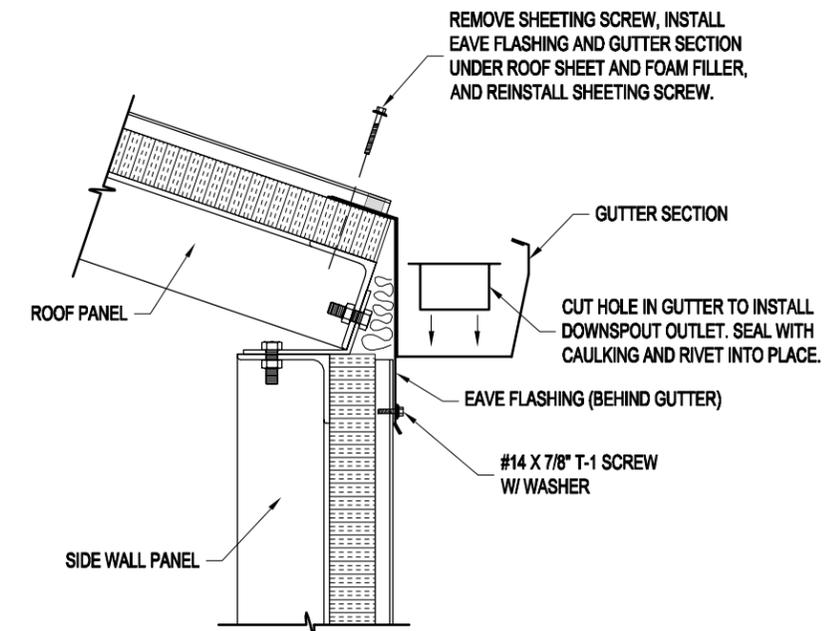
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**GUTTER & DOWNSPOUT
INSTALLATION INSTRUCTIONS**
SHEET SS-11 OF SS-15

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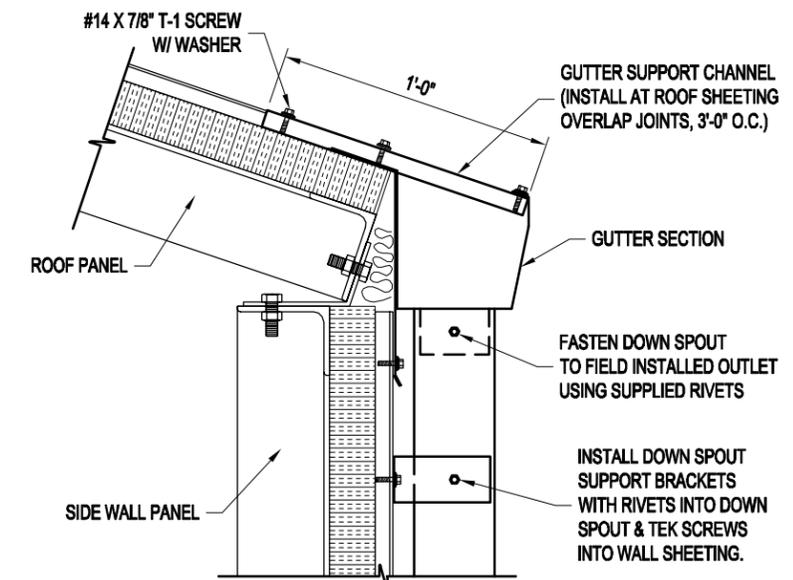
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GUTTER INSTALLATION ISOMETRIC



GUTTER INSTALLATION DETAIL



SUPPORT CHANNEL INSTALLATION DETAIL

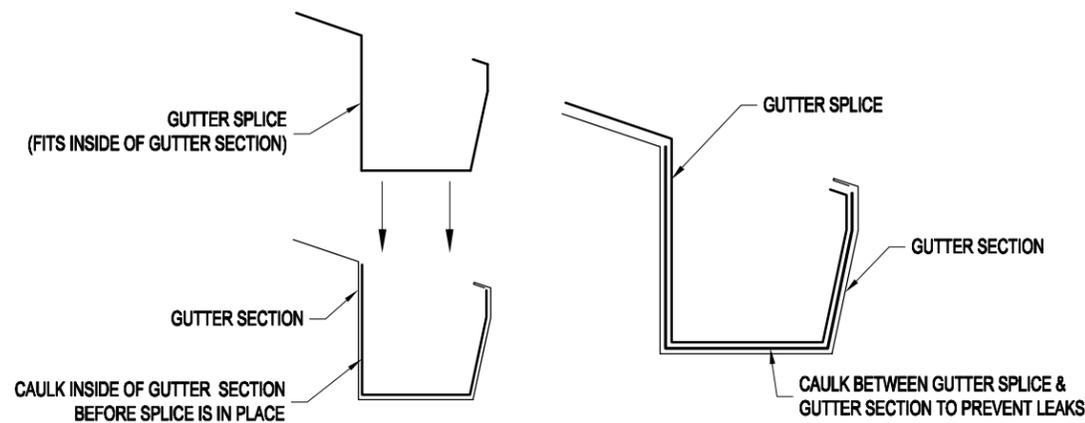
PRE-DRILLING HOLES IN THE BOTTOM & BACK OF THE GUTTER SPLICE IS RECOMMENDED FOR EASIER INSTALL

GUTTER SPLICE

CAULK BETWEEN GUTTER SPLICE & GUTTER SECTION

BUTT GUTTER SECTIONS TOGETHER (USING FACTORY CUT ENDS IS RECOMMENDED)

RIVET GUTTER SPLICE TO GUTTER SECTION AS SHOWN



SPLICE INSTALLATION SECTION



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PROJECT TITLE: **GUTTER & DOWNSPOUT INSTALLATION DETAILS**

PAGE TITLE: **GUTTER & DOWNSPOUT INSTALLATION DETAILS**

SHEET **SS-12** OF **SS-15**

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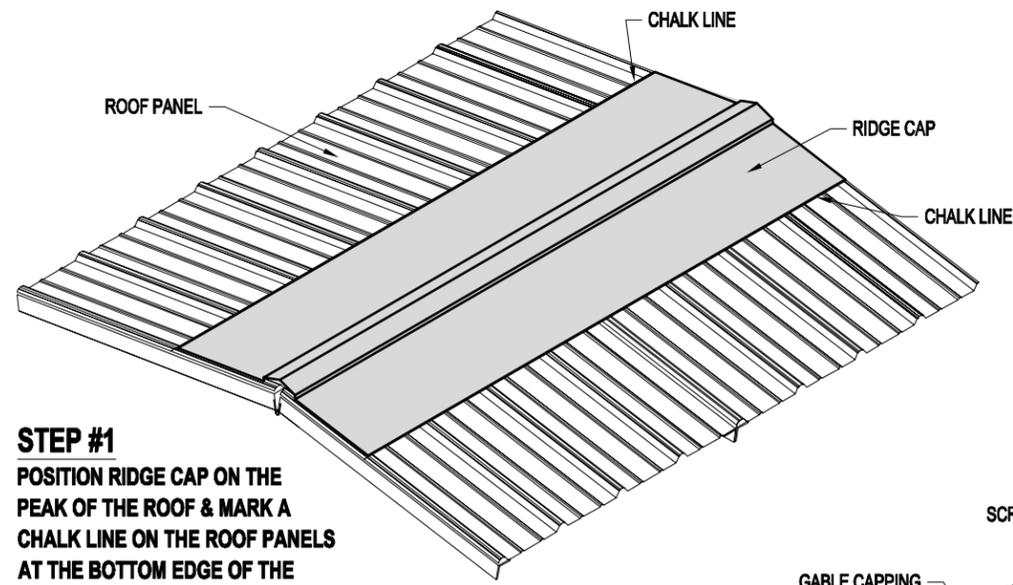
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K.K. ORDER NUMBER:

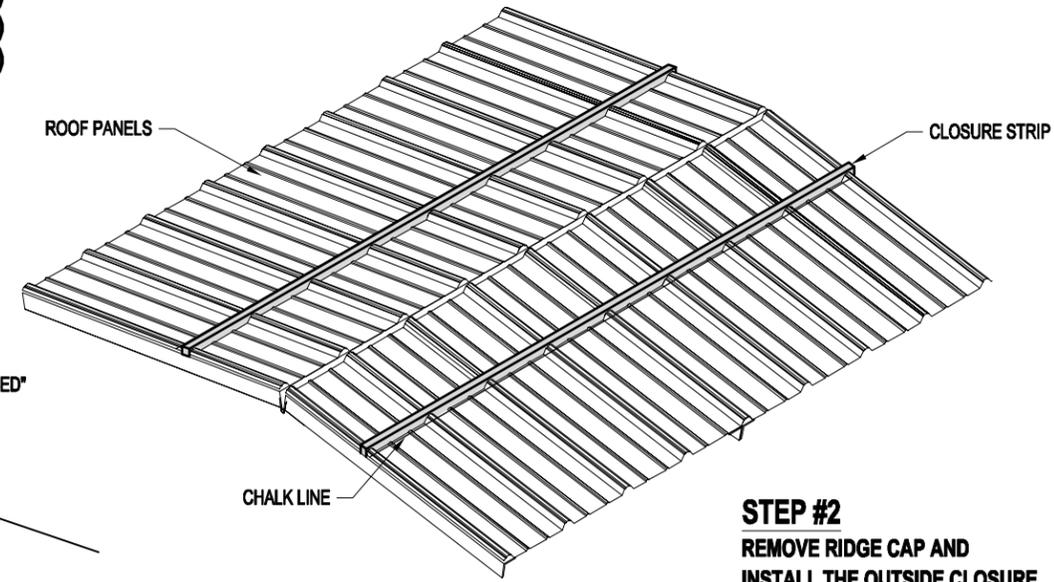
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RIDGE CAP INSTALLATION

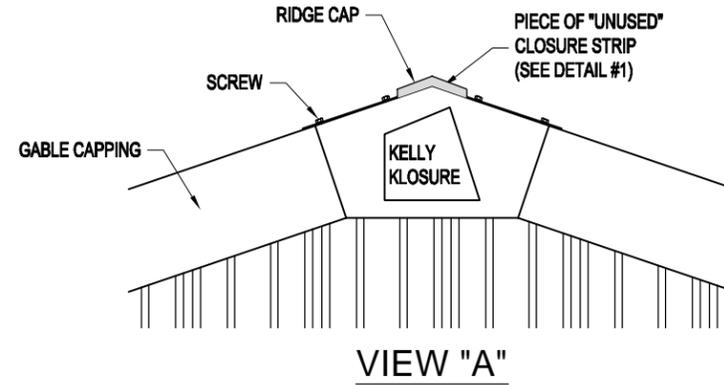
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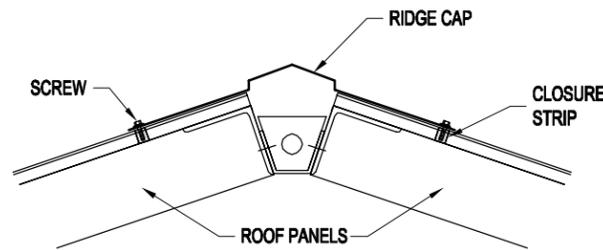
STEP #1
POSITION RIDGE CAP ON THE PEAK OF THE ROOF & MARK A CHALK LINE ON THE ROOF PANELS AT THE BOTTOM EDGE OF THE RIDGE CAP.



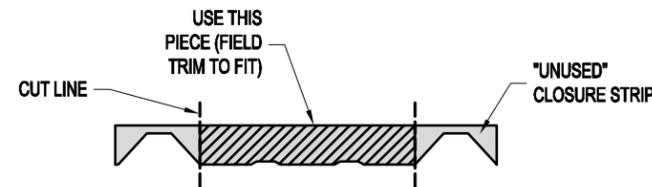
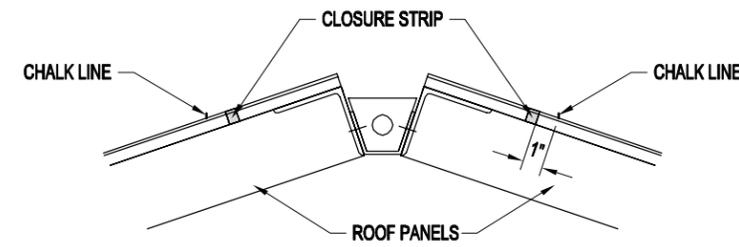
STEP #2
REMOVE RIDGE CAP AND INSTALL THE OUTSIDE CLOSURE STRIPS ABOUT 1" ABOVE THE CHALK LINE WITH THE ADHESIVE SIDE DOWN ON THE ROOF SHEETING.



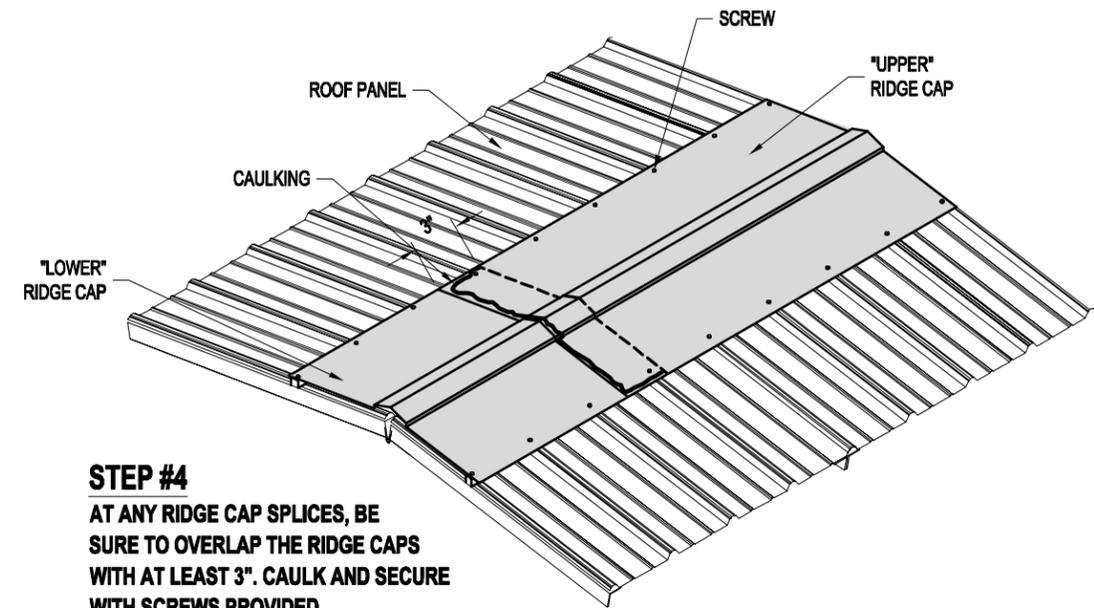
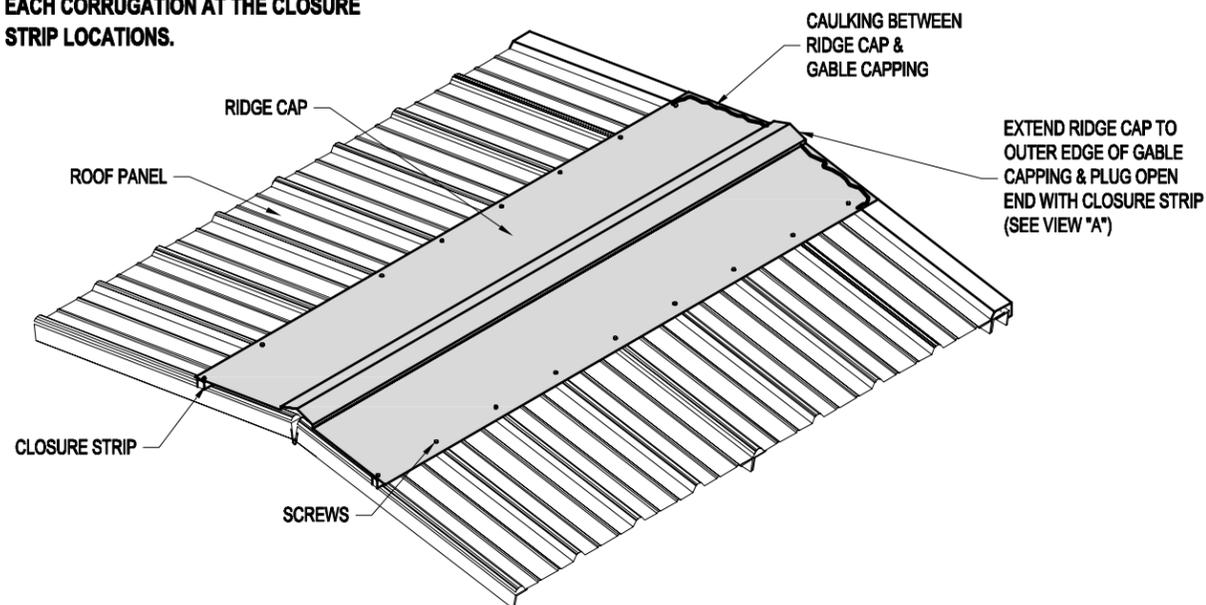
VIEW "A"



STEP #3
ATTACH THE FORMED RIDGE CAP TO THE CORRUGATE ROOF SHEETING USING SCREWS PROVIDED. PLACE SCREWS AT EACH CORRUGATION AT THE CLOSURE STRIP LOCATIONS.



DETAIL #1



STEP #4
AT ANY RIDGE CAP SPLICES, BE SURE TO OVERLAP THE RIDGE CAPS WITH AT LEAST 3". CAULK AND SECURE WITH SCREWS PROVIDED.



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RIDGE CAP
INSTALLATION INSTRUCTIONS
SHEET SS-13 OF SS-15

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IMPORTANT NOTE:
OVERHEAD DOORS ARE SUPPLIED ONLY!

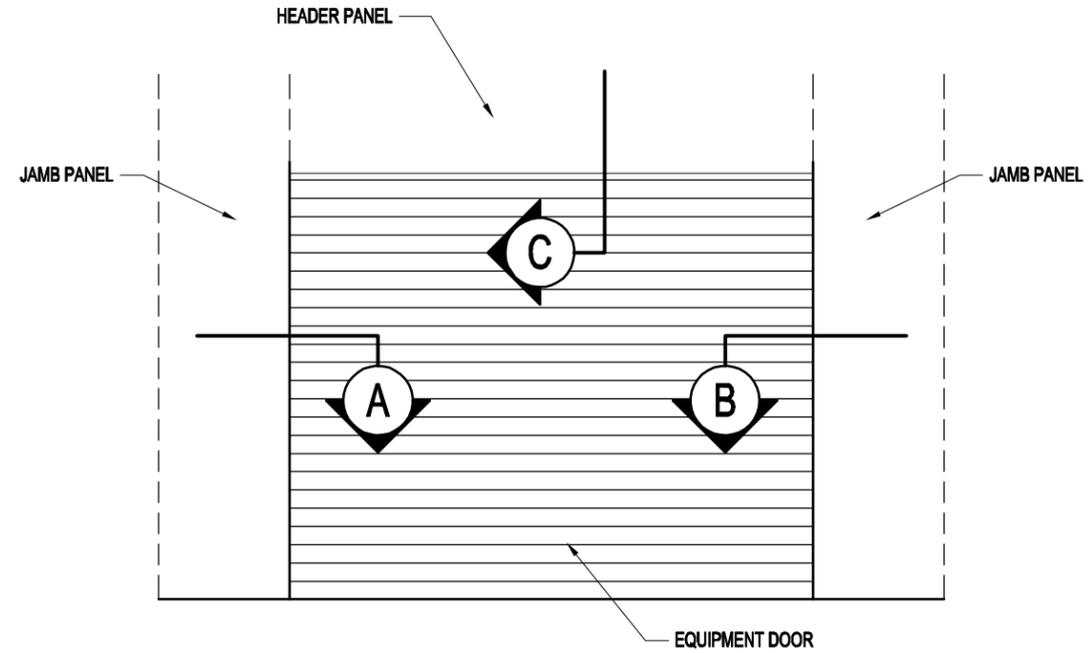
INSTALLATION & SERVICE IS BY OTHERS!

(INSTRUCTIONS FOR OVERHEAD DOOR ARE INCLUDED WITH THE DOOR)

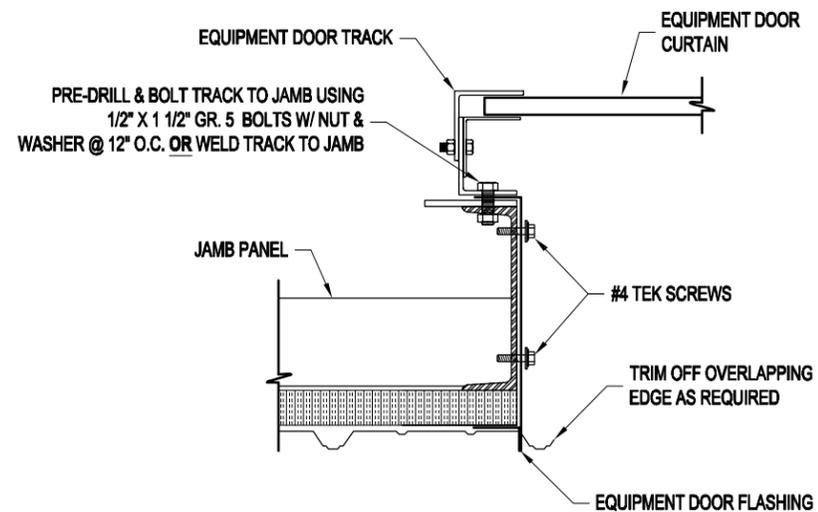
INSTALLATION NOTES:

1. INSTALL EQUIPMENT DOOR TRIM BEFORE INSTALLING OVERHEAD DOOR.
2. ALL WEATHER-STRIPPING AND BRUSHES TO BE INSTALLED PER DOOR MANUFACTURERS INSTRUCTIONS.

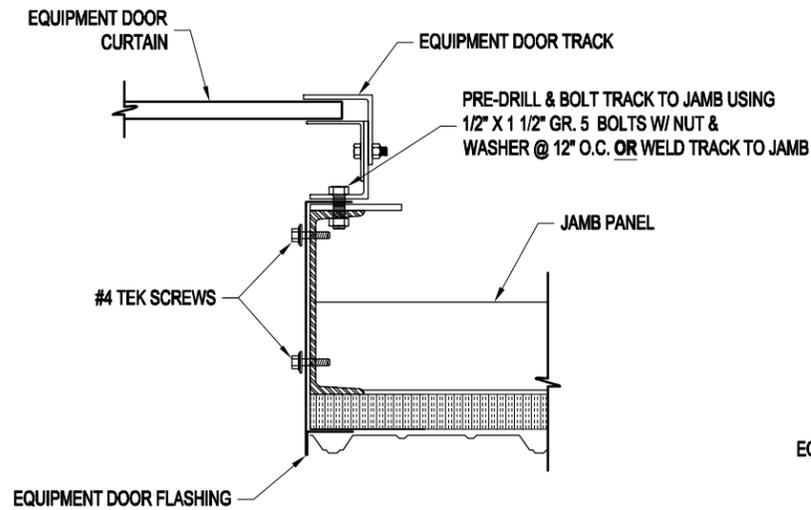
EQUIPMENT DOOR OPENING FLASHING



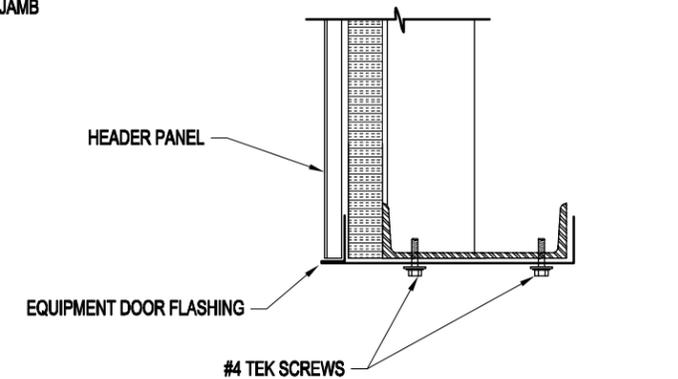
EQUIPMENT DOOR ELEVATION



A SECTION AT JAMB PANEL



B SECTION AT JAMB PANEL



C TYPICAL SECTION AT HEADER PANEL



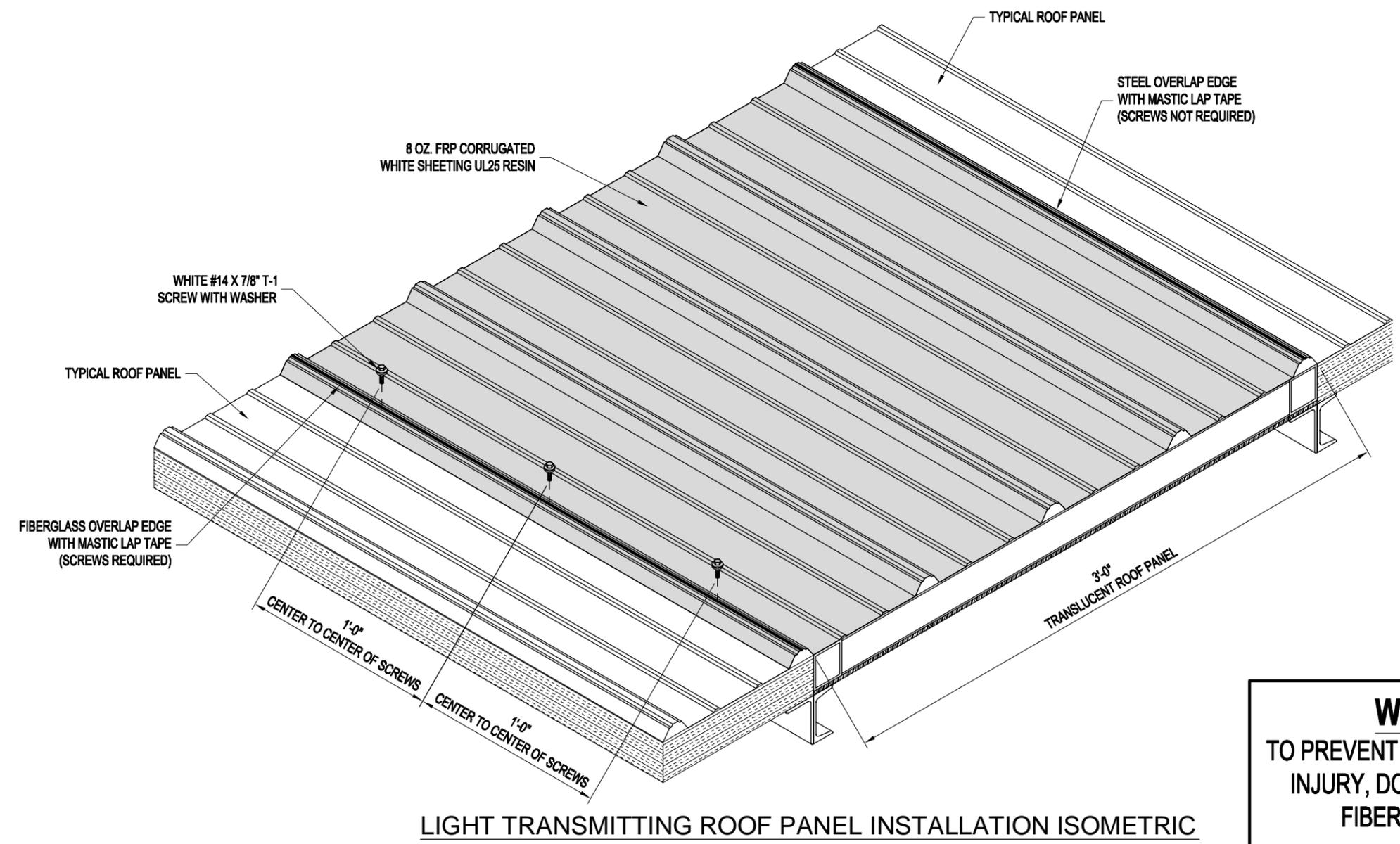
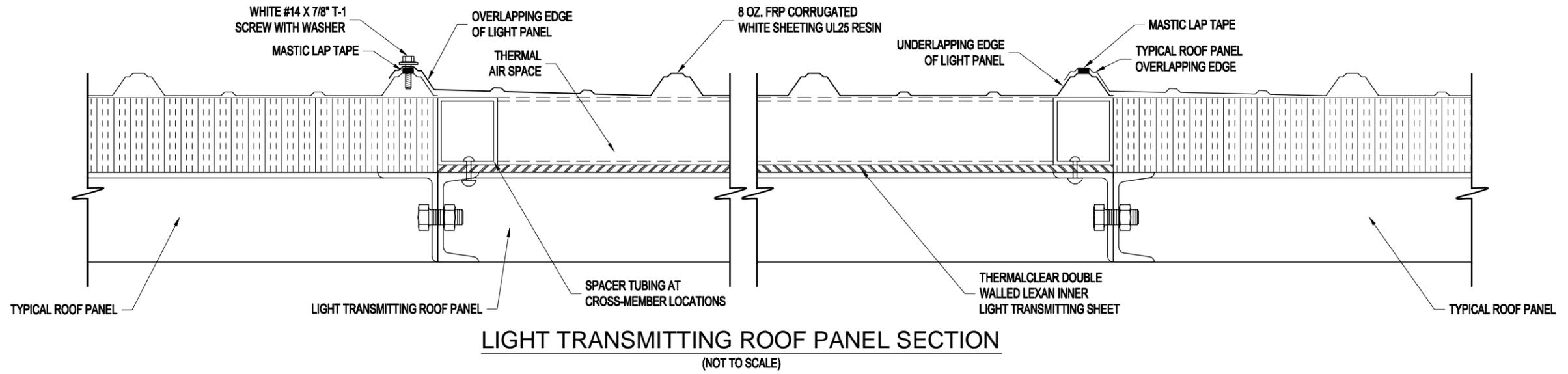
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PAGE TITLE:
**EQUIPMENT DOOR FLASHING
 INSTALLATION INSTRUCTIONS**

SHEET SS-14 OF SS-15

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WARNING!
TO PREVENT DAMAGE & PERSONAL INJURY, DO NOT STEP ON THE FIBERGLASS PANEL!



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INSTALLATION INSTRUCTIONS**

SHEET SS-15 OF SS-15

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