SAMPLE ASSEMBLY DRAWINGS

ASSEMBLY DRAWINGS FOR A 18'W X 10'H EAVE X 33'L KELLY KLOSURE BUILDING

K.K. ORDER #: P.O. #:

1) BUILDING STRUCTURE

A) BUILDING STRUCTURAL DESIGN CRITERIA

a) BUILDING CODE: 2009 IB

b) ROOF LOAD: 2009 IBC
c) SNOW DRIFT LOAD: NONE

d) WIND LOAD: 90 MPH (3 SECOND GUST)

SEISMIC: DESIGN CATEGORY "B", SOIL SITE CLASS "D"

f) OCCUPANCY CATEGORY: 2

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 it's 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.

	DRAWING INDEX
PAGE #1	PANEL & PANEL RACK HANDLING TIPS
2	BASIC BUILDING COMPONENTS
3	ELEVATIONS
4	MATERIAL LISTS
5	BUILDING LAYFLAT
6	FOUNDATION PREPARATION PLAN VIEW
7	BASE SECTIONS
8	DOOR INSTALLATION INSTRUCTIONS
9	PLAN VIEW & DETAILS
10	TYPICAL CROSS-SECTION
11	CROSS-SECTION DETAILS
12	ROOF FRAMING PLAN VIEW
	SUPPLEMENT SHEETS
SS-1	OPTIONAL PANEL LIFTING ISOMETRIC
SS-2	GABLE CLOSURE PANEL ASSEMBLY
SS-3	BUILDING FLASHING INSTALLATION INSTRUCTIONS
SS-4	BASE FLASHING INSTALLATION ISOMETRIC
SS-5	BASE FLASHING INSTALLATION ISOMETRIC (AT DOORS)
SS-6	BASE FLASHING CORNER CAP INSTALLATION
SS-7	DOUBLE DOOR FLASHING INSTALLATION INSTRUCTIONS
SS-8	EAVE FLASHING INSTALLATION ISOMETRIC
SS-9	EAVE END CLOSURE CAP INSTALLATION
SS-10	GUTTER & DOWNSPOUT LAYFLAT
SS-11	GUTTER & DOWNSPOUT INSTALLATION INSTRUCTIONS
SS-12	GUTTER & DOWNSPOUT INSTALLATION DETAILS
SS-13	RIDGE CAP INSTALLATION INSTRUCTIONS
SS-14	EQUIPMENT DOOR FLASHING INSTALLATION
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	9/16" SOCKETS
2	1 1/16" SOCKETS
2	ELECTRIC IMPACT WRENCH (1/2" DRIVE)
1	ROTARY HAMMER DRILL (MINIMUM 6 AMP, SDS STYLE)
1	3/8" SDS MASONRY DRILL BIT (MINIMUM LENGTH 6")
1	1/2" SDS MASONRY DRILL BIT (MINIMUM LENGTH 10")
i	SLEDGE HAMMER
lil	3 LB HAMMER
2	C-CLAMP VISE GRIPS
-	C-CLAMP W/ 4"-6" OPENING
-	TAG LINE ROPE (75'-0" LONG)
lil	PHILLIPS SCREWDRIVER
lil	STANDARD SCREWDRIVER
lil	P3 PHILLIPS SCREWDRIVER (FOR DOOR HINGE ADJUSTMENT)
i	ELECTRIC DRILL
lil	7/16" STEEL DRILL BIT
lil	9/16" STEEL DRILL BIT
i	11/16" STEEL DRILL BIT
i	CUTTING OIL
2	9/16" WRENCHES
2	1 1/16" WRENCHES
2	5/16" NUT DRIVERS
2	3/8" NUT DRIVERS
-	100'-0" LONG TAPE MEASURE
lil	CHALK LINE
2	STEP LADDERS
-	CAULKING GUN
i	FORK LIFT (TELE-HANDLER)
2	LARGE CROWBARS
1	RIVET GUN
	OPTIONAL EQUIPMENT
1 1	SCISSOR LIFT
	ARTICULATING BOOM LIFT
2	SCAFFOLDING OR STAGING (ROLLING)
2	3/8" EYEBOLT (FOR LIFTING PANELS)
	ROLL-UP DOOR INSTALLATION TOOLS
- OP	TIONAL METHODS FOR ATTACHING DOOR TRACK TO JAMB:
	OPTION #1: WELDED CONNECTION (WELDING EQUIPMENT NEEDED)
	OPTION #2: DRILLING & BOLTING (MAGNETIC BASE DRILL
	& CUTTING OIL RECOMMENDED)
- 11/	32" DRILL BITS (FOR PRE-DRILLING 3/8" SELF TAPPING SCREWS)
	1/2" WINDING BARS
SL	ING (TO INSTALL CURTAIN ON THE BARREL)
- VIC	CE GRIPS (2 PAIR MINIMUM)
- W/	ATER LEVEL OR STRING LINE LEVEL (WATER LEVEL IS RECOMMENDED)
	MPLETE SOCKET SET
- CC	MPLETE WRENCH SET
- ST	ANDARD & PHILLIPS SCREWDRIVERS
	ILL W/ COMPLETE SET OF BITS
I - IMI	PACT WRENCH

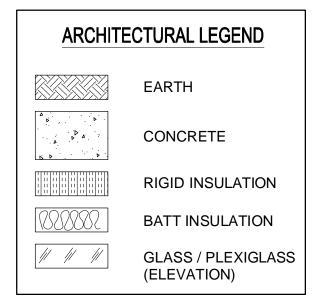
- UTILITY KNIFE

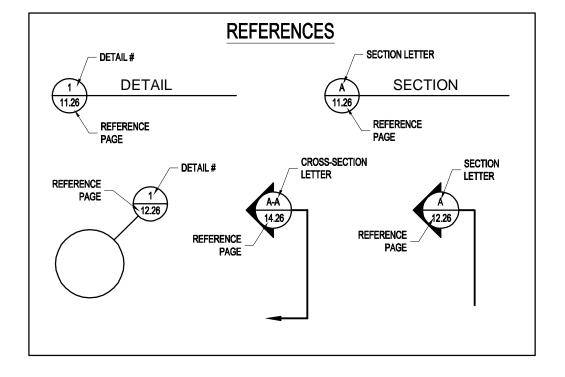
FOR ELECTRIC OPERATOR
- WIRE STRIPPER
- CHAIN BREAKER

IMPORTANT NOTE: OVERHEAD DOORS ARE SUPPLIED ONLY!

INSTALLATION & SERVICE IS BY OTHERS!

(INSTRUCTIONS FOR OVERHEAD DOOR ARE INCLUDED WITH THE DOOR)





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

FOUGH BY DESIGN. CUSTOM BY CHOICE.

Mfgr. by Kelly Group, Inc. P.O. Box 1058 Fremont, NE 68026 Phone: 800-228-7230

PANEL & PANEL RACK

SAMPLE ASSEMBLY DRAWINGS

2/21/14

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SKET

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.

UPPER RACK FOOT



PROTECTED ZONE —

BOTTOM RACK FRAME

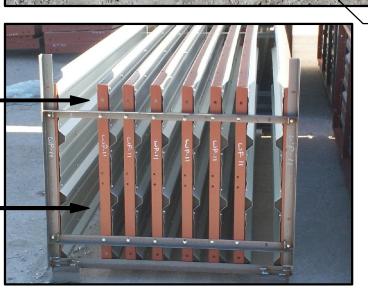


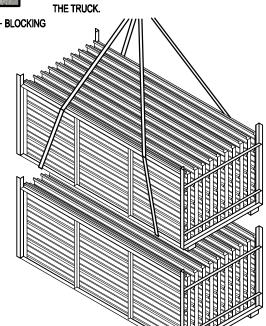
REMOVING PANELS FROM RACKS

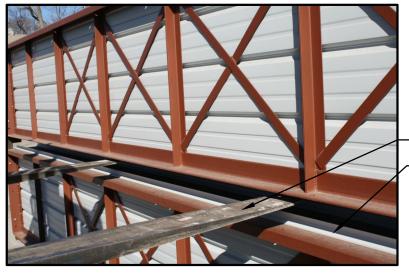
WHEN PANEL RACKS ARE REMOVED FROM
THE TRUCK AND PLACED AROUND THE STAGING
AREA. THE FRONT TWO CORNERS OF EACH RACK
SHOULD BE BLOCKED UP. THIS PREVENTS PANELS
FROM TIPPING OUT AS PANELS ARE REMOVED.
IF THIS IS NOT DONE THEN THERE IS THE
POTENTIAL FOR PANEL DAMAGE.

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.





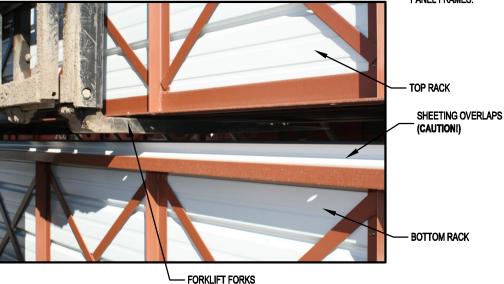


- FORKLIFT FORKS

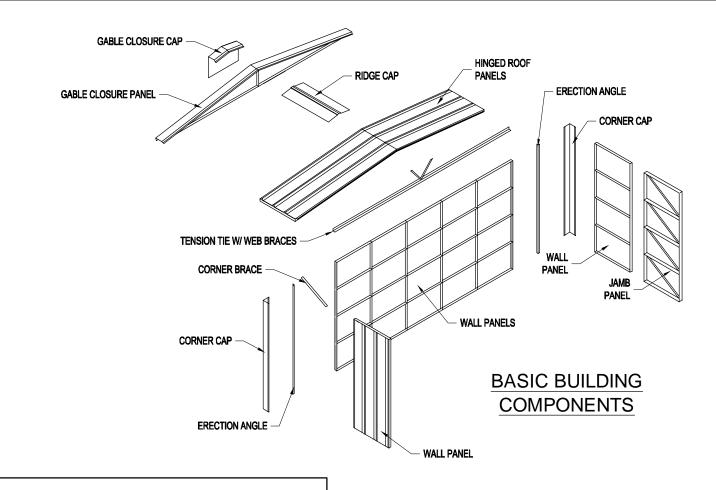
SHEETING OVERLAPS

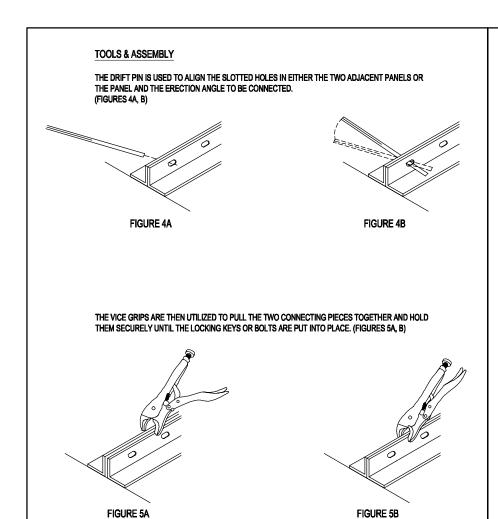
SEPARATING PANEL RACKS

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.



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





ALL BOLTS W/ NUTS SHALL BE "SNUG-TIGHT" (SNUG-TIGHTENED CONDITION IS THE TIGHTNESS THAT IS ATTAINED WITH A FEW IMPACTS OF AN IMPACT WRENCH OR THE FULL EFFORT OF AN CREW MEMBER USING AN ORDINARY SPUD WRENCH TO BRING THE CONNECTED PLIES INTO FIRM CONTACT)

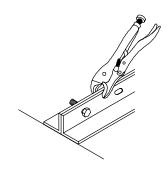
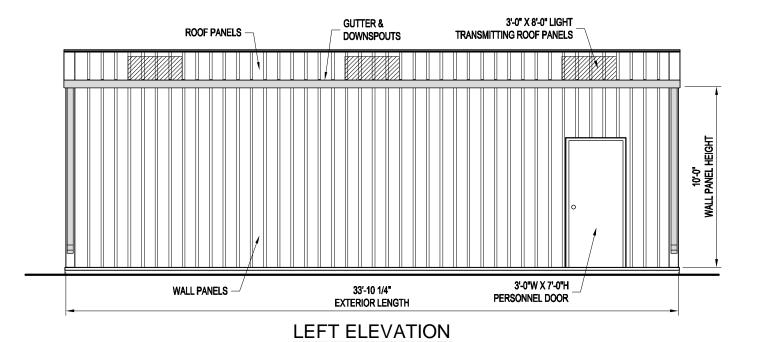
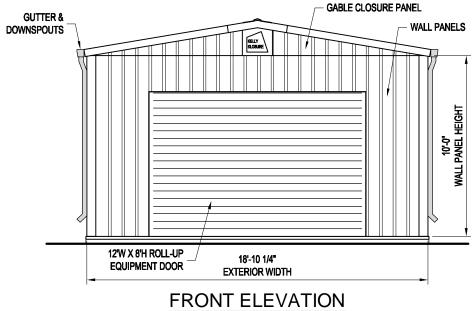


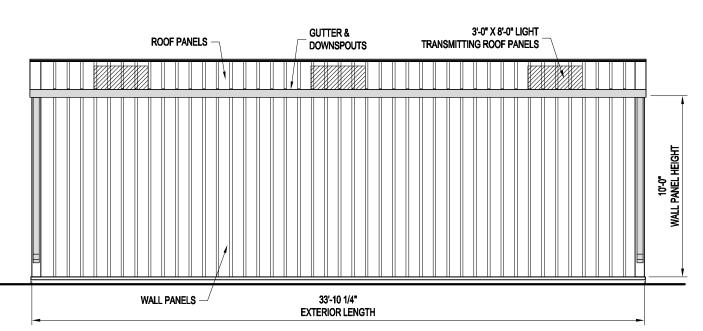
FIGURE 6A

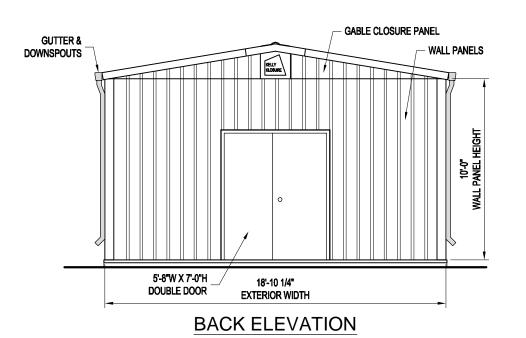
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	Phone: 800-228-7230	SHEET 2 OF 12		
	Fremont, NE 68026			
	P.O. Box 1058	BASIC BOILDING COMPONENTS		
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TOUGH BY DESIGN. CUSTOM BY CHOICE.

MATERIALS LIST

Qty		Descripti	on		
24	3102	Wall Panel 3'x10'x2"			
WP-1	29GV I15	29Ga Galvalume Sht	1.1/2" Insul.		
1 W/D 2	2310 29GV I15	Wall Panel 2'-3"x10'x2" 29Ga Galvalume Sht	1.1/2" Insul.		
WP-2	29GV I15 3910 RSO	Door Panel 3'-9"x10'x2"	1.1/Z Insui.	3'x7' P. Door (HRSO)	
WP-3	29GV I15	29Ga Galvalume Sht	1.1/2" Insul.	3 X7 1 . D001 (TR3O)	
1	6102 DD	Door Panel 6'x10'x2"	111/2 111/411	5'-8"x7'-0" Double Door (SO)	
WP-4	29GV I15	29Ga Galvalume Sht	1.1/2" Insul.	,	
1	3102	Wall Panel 3'x10'x2"		Jamb Panel	
WP-5	29GV I15	29Ga Galvalume Sht	1.1/2" Insul.		
1	3102	Wall Panel 3'x10'x2"		Jamb Panel	
WP-6	29GV I15	29Ga Galvalume Sht	1.1/2" Insul.		
1	3102	Header Panel 2'x9'x2"	1 1/2" In1		
HP-1 10	29GV I15 33152 15RP	29Ga Galvalume Sht Roof Panel 3'x15'x2"	1.1/2" Insul.		
RP-1	29GV I15	29Ga Galvalume Sht	1.1/2" Insul.		
3	33152 15RF	Roof Panel 3'x15'x2"	1.1/2 Insui.	Light Transmitting Roof Panel	
RP-2	29GV I15	29Ga Galvalume Sht	1.1/2" Insul.		
2	0152	Gable End Panel, 15' Span			
	29GV I15	29Ga Galvalume Sht	1.1/2" Insul.		
4	2109 A15	10' Erection Angle		L1.1/2x1.1/2x1/8	
Qty		Description			
1		nbly Drawings (w/MSDS Sheets)			
1		Paint - Panel Frames		Red Primer	
1		Paint - Door		Mfg. Door Gray	
2		Door Closure			
2		Door Closure		Imporial Dib	
28 79		osure Strip Insulation		Imperial Rib	
5		Insulation Base Seal - 25Ft			
2		Base Seal - 25Ft ilking - Clear			
2	Building Bolts	nking - Cicai			
350		Bolt, Zinc Plated			
350		Zinc Plated			
50	Locking 1				
60		Bolt, Zinc Plated			
60		Zinc Plated			
8	3/8" Lag				
20	#5 Tek S				
20	Ft. Foil Tape				
	SS Bracing				
4		race Angle - 3'-9.3/4"		L2x2x1/8	
8		Bolt, Zinc Plated			
8		Zinc Plated			
2		d Brace Angle - L2x2x1/8		2'-11"	
4		Bolt, Zinc Plated			
4		Zinc Plated			
12	SS Tension Ties	i Ti 14! 11"		12.1/2-2.1/2-2/16	
12 24		nsion Tie x 14'-11" mber - W1 - 1'-1.13/16"		L2.1/2x2.1/2x3/16 L1.1/2x1.1/2x1/8	
24		nber - W1 - 1-1.13/16 nber - W2 (1'-6.5/16)		L1.1/2x1.1/2x1/8 L1.1/2x1.1/2x1/8	
24		nber - W2 (1-0.5/10) nber - W3 (1'-11)		L1.1/2x1.1/2x1/8 L1.1/2x1.1/2x1/8	
27		4" Bolt, Zinc Plated		L1.1/2A1.1/2A1/0	
27		Zinc Plated			
144		Bolt, Zinc Plated			
144		Zinc Plated			
13	3/8" Rod				
29	Push Nut				
	Building Flashing				
4		ed Ridge Cap		Galvalume	
4	10' Corne			Galvalume	
8	10' Eave			Galvalume	
12	10' Base			Galvalume	
4		thing Corners		Galvalume	
4	Closure C			Galvalume	
2	Gable En			Galvalume	
2		Ooor Vertical Flashing		Galvalume	
6	Light Lap			Galvaniand	
350		/2 T-2 Screw		Galvanized	
6 2		ed gutter sections ction w/ Right endap & outlet			
2		ction w/ Left endap & outlet			
4	10' Box Dow				
12		ut support bracket			
8		pport Channel			
-	Asta Equipment Door	9 Wide x	8 High		
2		-Up Equipment Door w/Hdwe	111511		
6		nt Door Flashing		Galvalume	
60	#4 Tek S			Galvalume	
62		1/4" Bolt, Zinc Plated			
62		Zinc Plated			
44		Weatherstripping			
44					
44	Lf. Aluminui	n Retainer 1" 45 Degree			

1) FOUNDATIONS

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

- RECOMMENDED FOUNDATION SIZE IS GIVEN ON THE FOUNDATION PLAN VIEW PAGE OF THIS SET.
 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
 - 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.

USERS ARE TO ESTABLISH SIZE AND REINFORCEMENT REQUIREMENTS FOR FOUNDATIONS TO

BUILDING ANCHOR BOLT REACTIONS ARE AVAILABLE UPON REQUEST.

ACCOMMODATE SITE SOIL CONDITIONS AND LOCAL FROST DEPTH.

ANCHOR BOLTS

c)

- 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.
- 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
 - FACTORY INSTALLED INSULATION
 - a) INSULATION TO BE RIGID, CLOSED CELL, POLYISOCYANURATE WITH FOIL FACING
 -) 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
- GUTTER SYSTEMS

UNDERLAP EDGE

SCREWS NOT REQUIRED

MASTIC TAPE & LAP

OVERLAP DETAIL

OVERLAPPING EDGE

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.

PERSONNEL AND EQUIPMENT DOORS

A) 3W 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

D) DOOR LEAF: 18 GA. STEEL, HONEYCOMB CORE, GALVANIZED (A-60),

PRIMED AND FINISH PAINTED

*ENTRY LOCK: STANDARD LOCKSET, S.PARKER B9160 SERIES, STAINLESS STEEL

HINGES: (3) 4.5" BALL BEARING, STANLEY FBB179, US26D FINISH

) *CLOSER: ŠTÁNDARD, S.PARKER 954, ALUMINUM FÍNISH DOOR SWEEP: STANDARD, MD DCV134, ALUMINUM FÍNISH

g) WEATHER STRIPPING: NONE

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

) *ENTRY LOCK: STANDARD LOCKSET, S.PARKER B9160 SERIES, STAINLESS STEEL

HINGES (PER LEAF): (3) 4.5" BALL BEARING, STANLEY FBB179, US26D FINISH

) *CLOSER: STANDARD, S.PARKER 954, ALUMINUM FINISH DOOR SWEEP: STANDARD, MD DCV134, ALUMINUM FINISH

DOOR SWEEP: STANDARD,
WEATHER STRIPPING: NONE

FLUSH BOLTS: INACTIVE LEAF ONLY, STANDARD, IVES 458B, US26D FINISH

THRESHOLD: MANUFACTURER STANDARD 3/16" FORMED STEEL

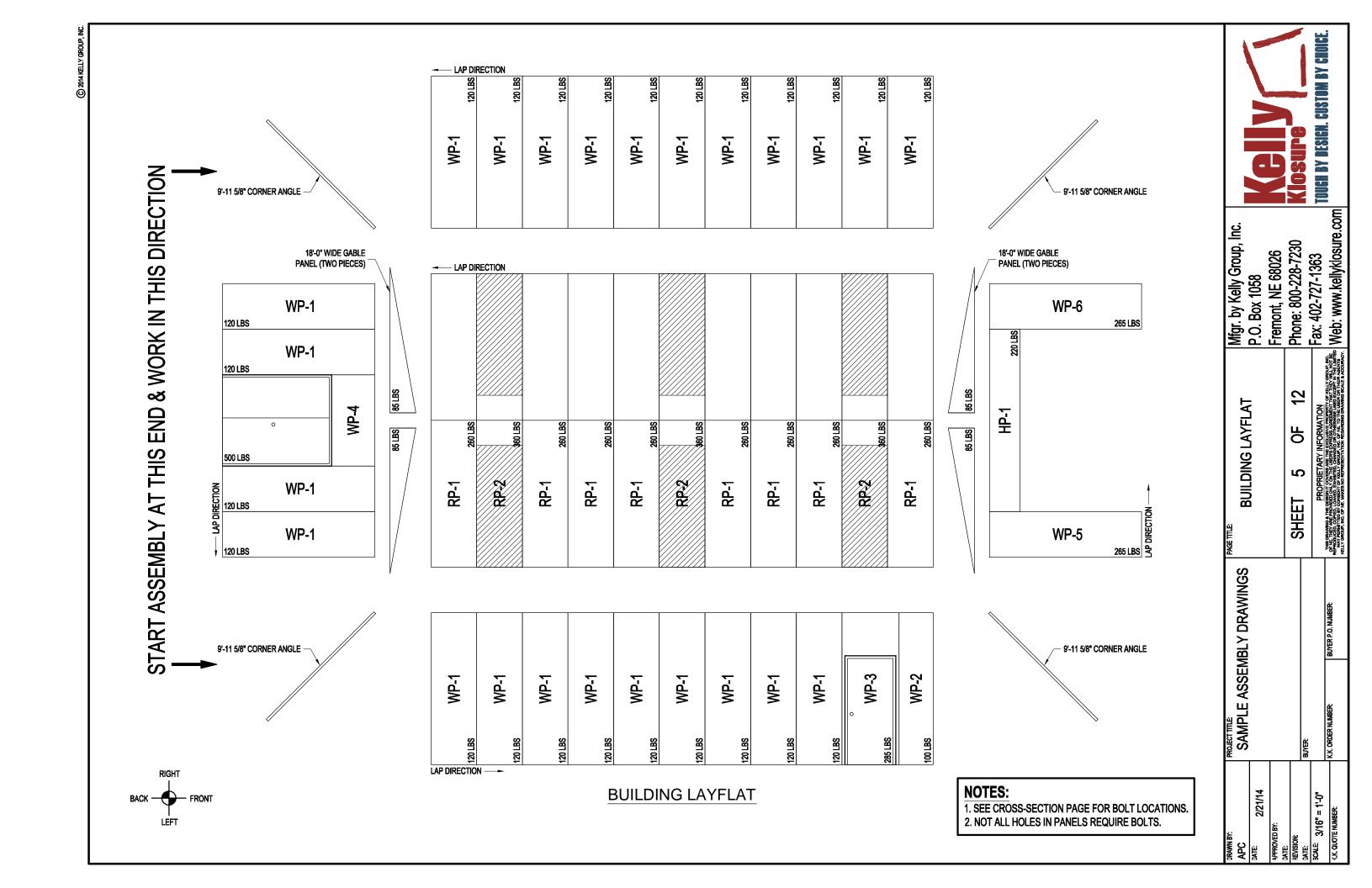
1. (*) THESE ITEMS ARE FIELD INSTALLED TO PREVENT DAMAGE DURING SHIPMENT AND ERECTION

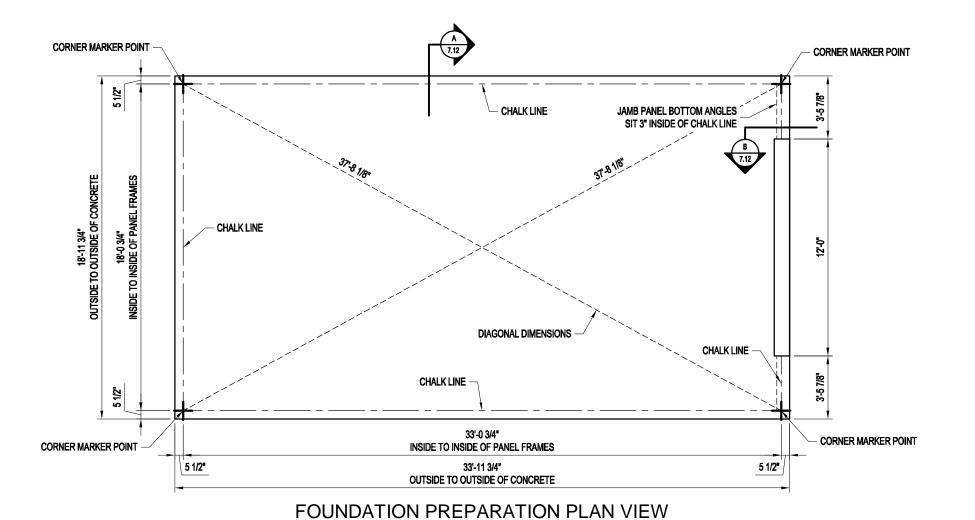
) ROLL-UP EQUIPMENT DOORS ARE AS NOTED ON THE <u>PLAN VIEW</u> PAGE DOOR SCHEDULE.

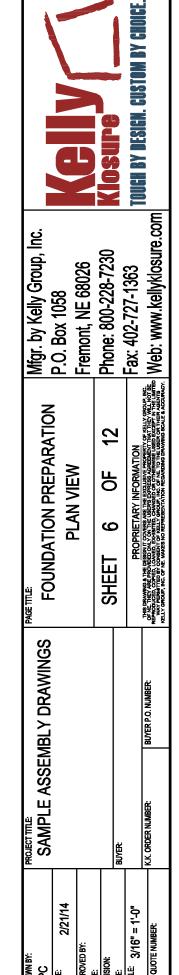
EQUIPMENT DOORS ARE SUPPLIED ONLY. INSTALLATION AND SERVICE IS THE RESPONSIBILITY OF THE END USER. KELLY KLOSURE DOES NOT HAVE EXPERIENCE IN INSTALLATION OF EQUIPMENT DOORS AND THEREFORE CANNOT PROVIDE ASSISTANCE EXCEPT IN WARRANTY, SHIPPING SHORTAGES OR SHIPPING DAMAGE RELATED ISSUES.

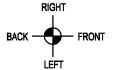


Fax: 402-727-1363 Web: www.kellyklosure.com Mfgr. by Kelly Group, In P.O. Box 1058
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Phone: 800-228-7230 12 MATERIALS LIST 유 4 SHEET DRAWINGS ASSEMBLY SAMPLE / 2/21/14 NO SCALE









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)

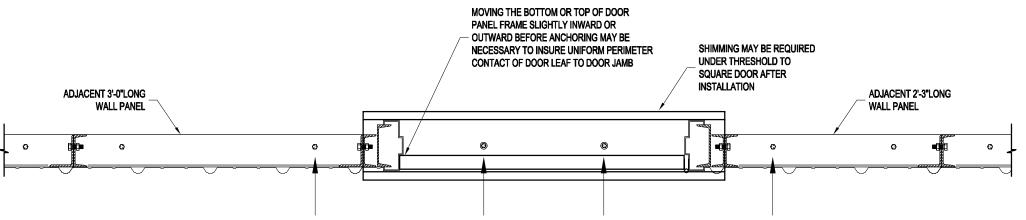


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2/21/14

ATTENTION INSTALLER:

DOOR PANEL MUST BE POSITIONED AND ADJUSTED IN THE FIELD. DUE TO CONDITIONS OF THE FOUNDATION / FLOOR, WE HAVE NO CONTROL OVER PROPER ALIGNMENT OF DOOR PANEL.



DURING BUILDING ASSEMBLY DO NOT INSTALL ANCHOR BOLTS AT THESE LOCATIONS UNTIL DOOR HAS BEEN PROPERLY ALIGNED.

BEFORE DOOR PANEL IS TO BE ANCHORED, ASSEMBLE AND ERECT THE CORRESPONDING ROOF PANELS AND ACCESSORIES WITHIN THIS AREA.

ANY INFIELD REPAIRS OR MODIFICATIONS DONE BY THE INSTALLER ARE THE SOLE RESPONSIBILITY OF THE INSTALLER.

FACTORY QUALITY CONTROL

DOORS ARE INSPECTED AT THE MANUFACTURING FACILITY FOR SQUARENESS AND PROPER DIMENSIONS BEFORE SHIPMENT. IF PRODUCT DAMAGE IS INCURRED DURING SHIPMENT, THIS DAMAGE MUST BE NOTED ON THE RECEIVING NOTICE AT THE TIME OF OFF LOADING AT THE BUILDING SITE. THE MANUFACTURER MUST BE NOTIFIED OF SUCH DAMAGE IMMEDIATELY.

IMPORTANT NOTE:
OVERHEAD DOORS ARE SUPPLIED ONLY!

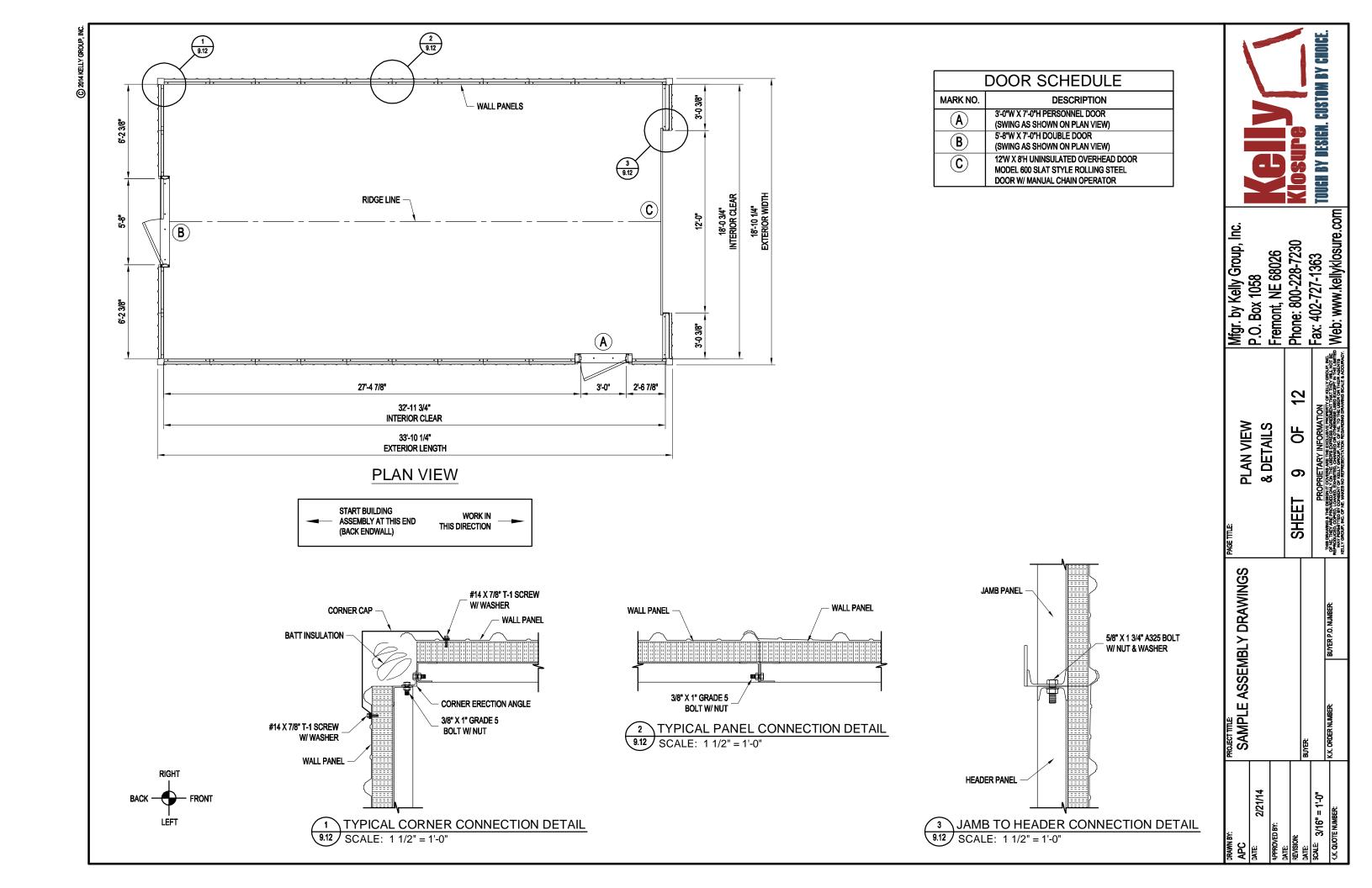
INSTALLATION & SERVICE BY OTHERS!

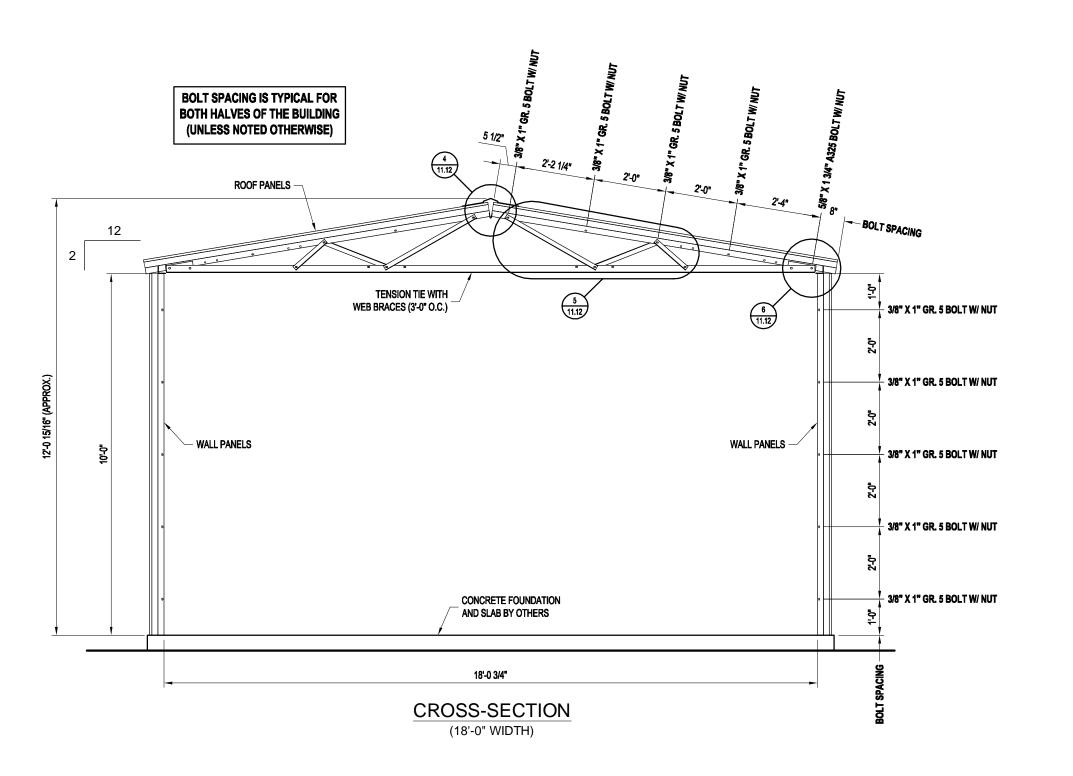
(INSTRUCTIONS FOR OVERHEAD DOOR ARE INCLUDED WITH THE DOOR)

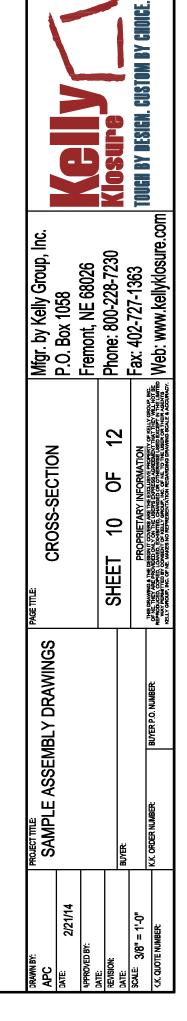
FOR FACTORY ASSISTANCE IN DOOR
ALIGNMENT CALL 800-228-7230

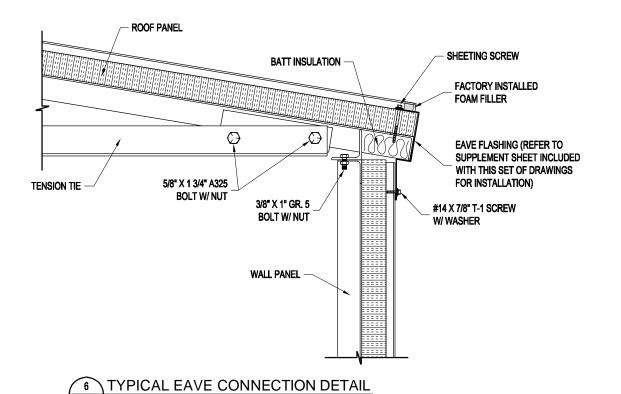
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CUSTOM BY CHOICE









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

3/8" X 1" CR. 5
BOLT WI NUT

WEB BRACES
(L1 1/2" X 1 1/2")

TENSION TIE
(L2 1/2" X 2 1/2")

TENSION TIE
(L2 1/2" X 2 1/2")

TOSP TANK

ROOF PANEL

ROO

5 TYPICAL WEB BRACE CONNECTION DETAIL 10.12 SCALE: 1 1/2" = 1'-0"



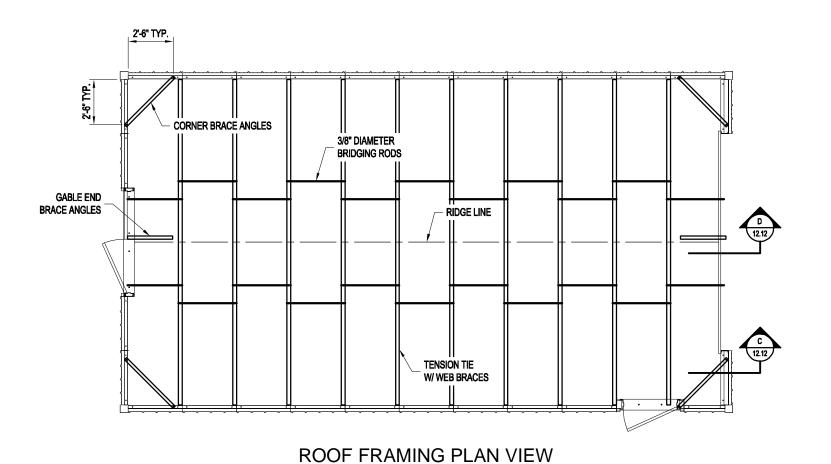
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RIGHT

LEFT

CORNER BRACE ANGLE DETAIL

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



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> ROOF FRAMING PLAN VIEW

OBECT THE SAMPLE ASSEMBLY DRAWINGS

2/21/14

3/16" = 1'-0"

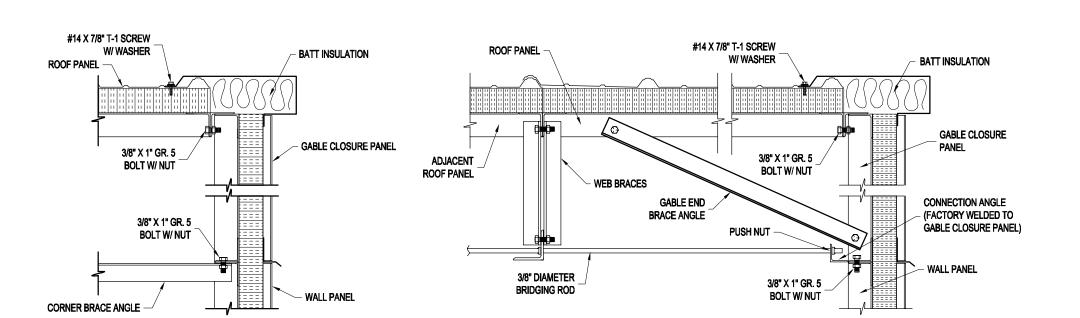
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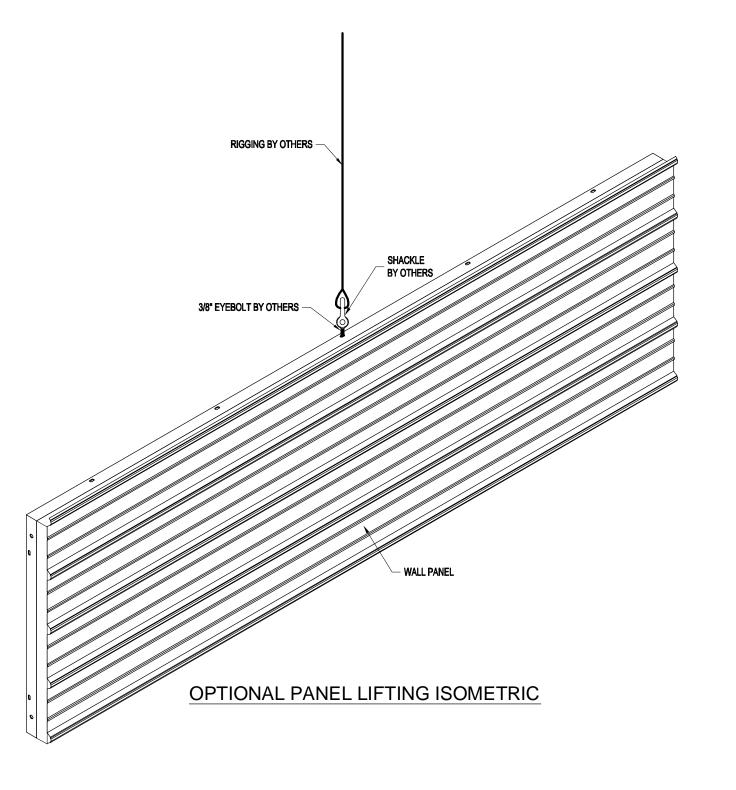
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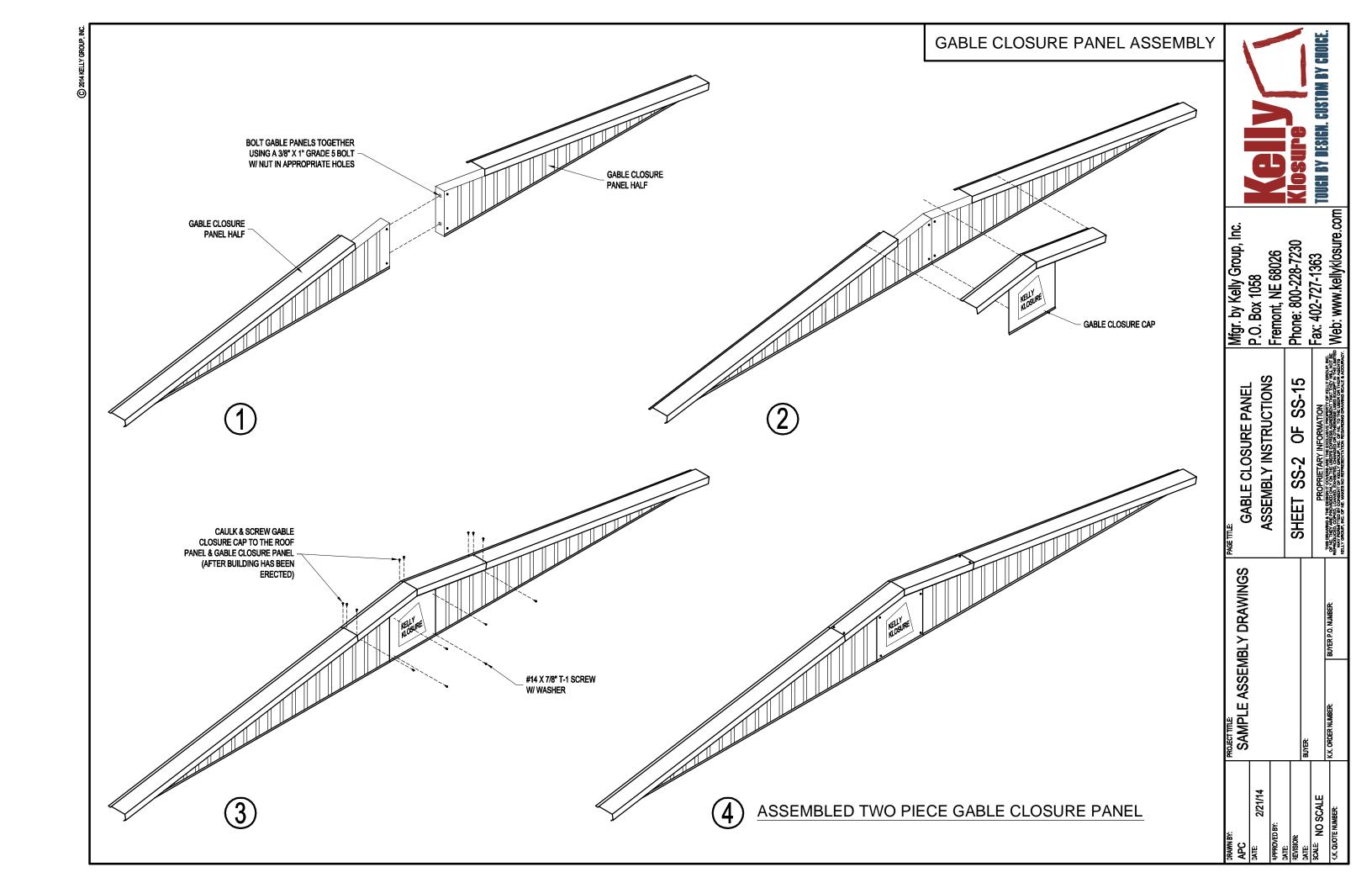
TYPICAL BRIDGING CONNECTION SECTION

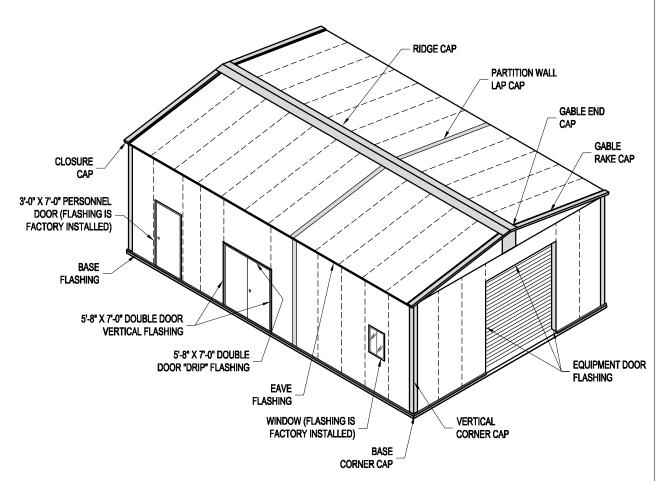
SCALE: 1 1/2" = 1'-0"





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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!

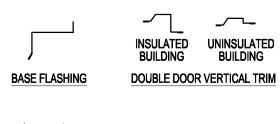
INSTALLATION & SERVICE BY OTHERS!

(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
 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. GABLE RAKE CAPS
 TYPICALLY ATTACHED TO GABLE CLOSURE PANELS.
- 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.



EQUIPMENT DOOR FLASHING



EXISTING SLAB

BASE FLASHING

\
VERTICAL CORNER CAPS GUTTER SUPPORT CHANNEL



PARTITION WALL /
REMOVABLE ROOF LAP CAP

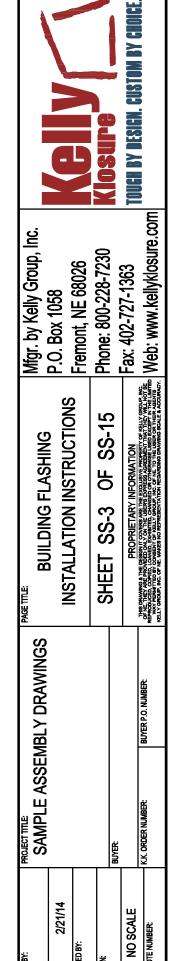
GUTTER SECTION



END CLOSURE CAP



RIDGE FLASHING



BASE FLASHING INSTALLATION

INSTALLATION INSTRUCTIONS:

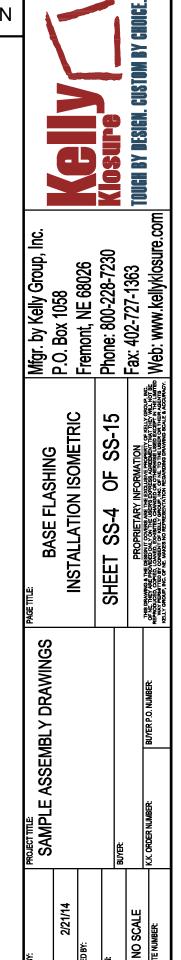
- 1.) LOOSEN BOTTOM ROW OF SHEETING
- 2.) SLIDE BASE FLASHING IN FROM END OF WALL. OVERLAP SECTIONS BY 2" AND CAULK

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

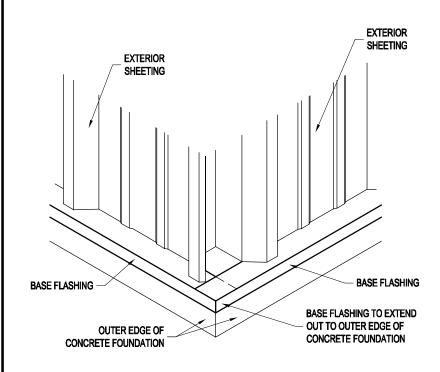
FIELD TRIMMED FOR PROPER FIT.

WALL PANEL

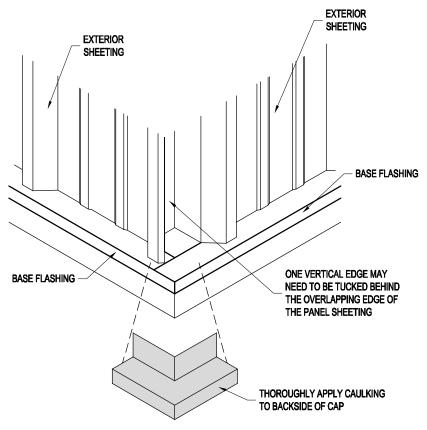
CONCRETE FOUNDATION



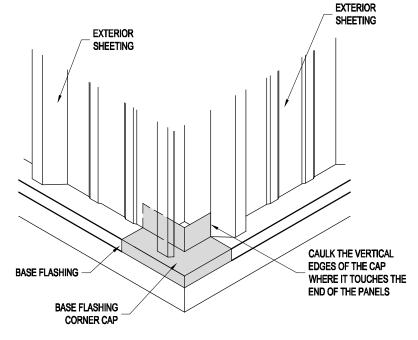
BASE FLASHING CORNER CAP



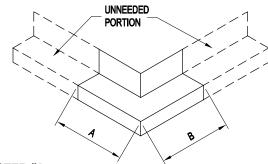
STEP #1 INSTALL BASE FLASHING AS SHOWN, **EXTENDING EACH PIECE OUT TO THE** OUTER EDGE OF THE CONCRETE FOUNDATION SHOWN.



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

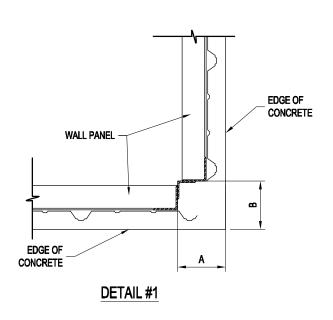


STEP #4 SCREW OR POP RIVET BASE FLASHING CORNER CAP TO THE BASE FLASHING IF NEEDED FINISHED CORNER LAP



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.



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

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END CLOSURE CAP

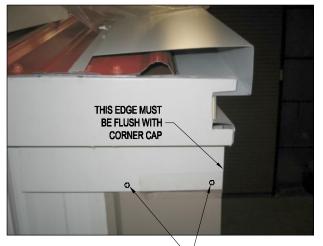


STEP #1 MARK AREA OF EAVE FLASHING THAT IS TO BE REMOVED



NOTE TO ASSEMBLY CONTRACTOR

ALL BUILDING FLASHING MAY REQUIRE FIELD MODIFICATION. MODIFICATION TO BE BY OTHERS.



STEP #2

#14 X 7/8" T-1 SCREW W/ WASHER

INSTALL NOTCHED EAVE FLASHING USING SCREWS PROVIDED.
NOTE: EAVE FLASHING EDGE MUST BE FLUSH WITH OUTSIDE OF VERTICAL CORNER CAP.



STEP#3 AFTER VERTICAL CORNER CAP & EAVE FLASHING HAS BEEN INSTALLED, INSTALL THE END CLOSURE



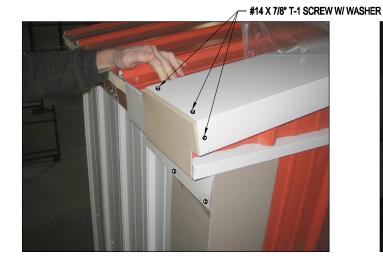
STEP#4 CAULK AROUND THE END CLOSURE CAP AS NECESSARY & INSTALL. NOTE: CLOSURE CAP GOES UNDER RAKE FLASHING & OVER EAVE FLASHING.



STEP #5 MAKE SURE END CLOSURE CAP HAS BEEN INSTALLED CORRECTLY BEFORE ATTACHING WITH SCREWS.



IMPORTANT THIS JOINT NEEDS TO BE CAULKED WELL TO PREVENT WATER FROM ENTERING THE BUILDING.



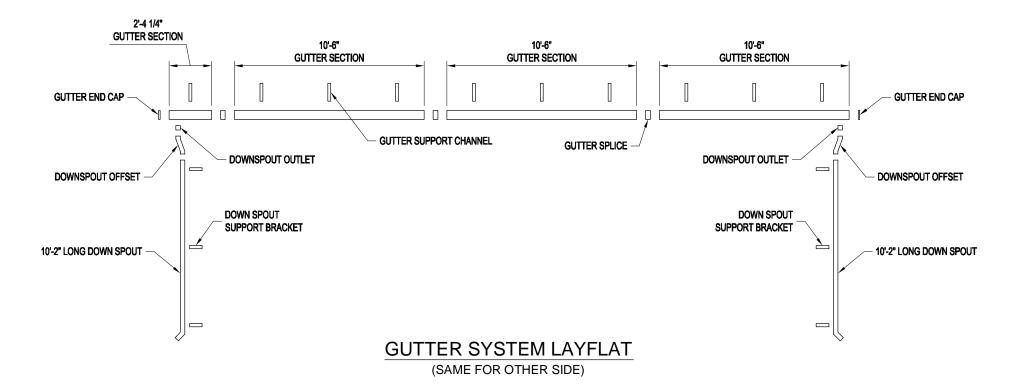
STEP#6

#14 X 7/8" T-1 SCREW W/ WASHER

USING SCREWS PROVIDED ATTACH END CLOSURE CAP TO GABLE & EAVE FLASHING.

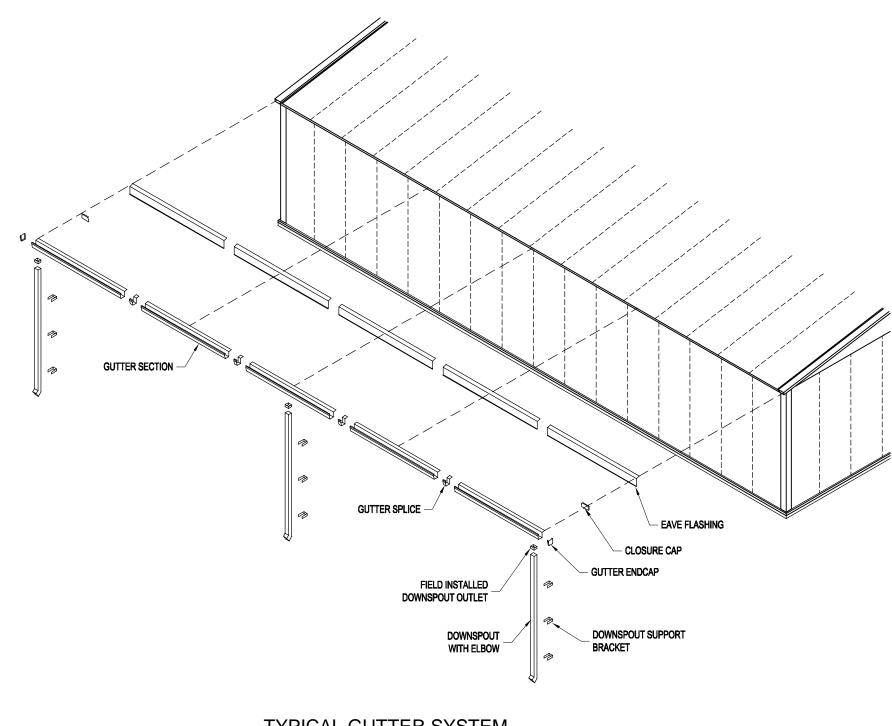


SEE "GUTTER & DOWN SPOUT INSTALLATION" PAGES FOR ANY INSTALLATION QUESTIONS.





	SAMPLE ASSEM	EMBLY DRAWINGS	GUTTER & DOWNSPOUT	Migr. by Kelly Group, Inc.	
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				Fremont, NE 68026	
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			SHEFT 50-10 OF 50-15	Phone: 800-228-7230	
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TYPICAL GUTTER SYSTEM

EXPLODED VIEW

GUTTER SYSTEM AND EAVE FLASHING INSTALLATION INSTRUCTIONS

IMPORTANT NOTES:

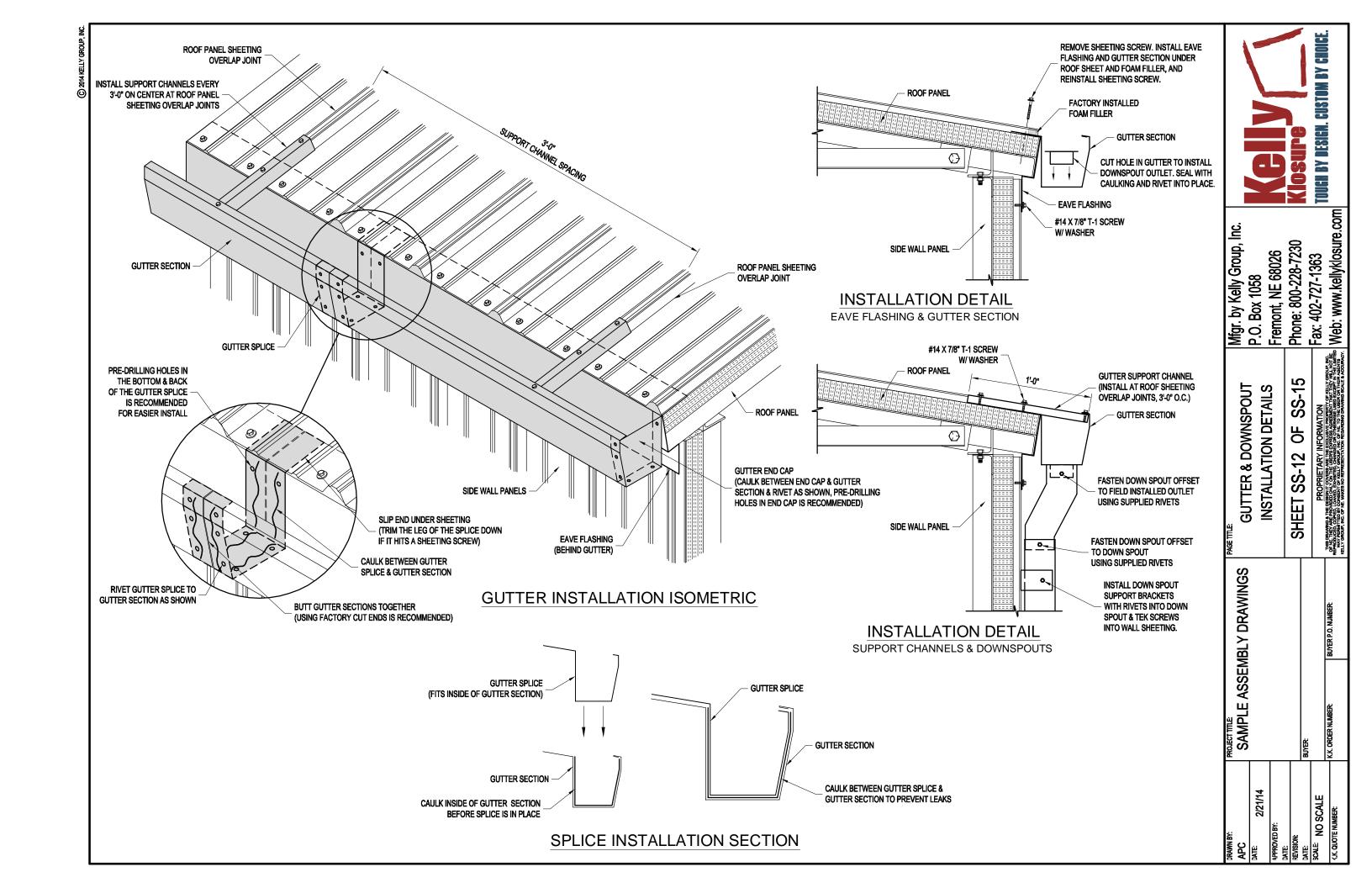
- 1. REFER TO <u>GUTTER SYSTEM LAYFLAT</u> PAGE FOR LOCATIONS OF EACH COMPONENT.
- 2. GUTTERS TO BE INSTALLED AT SAME TIME AS EAVE FLASHING & END CLOSURE CAPS.
- 3. CAULK AROUND ALL END CAPS AND BETWEEN EACH JOINT WITH SUPPLIED CAULKING.
- 4. SOME FIELD CUTTING OF COMPONENTS MAY BE NECESSARY TO ENSURE 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.

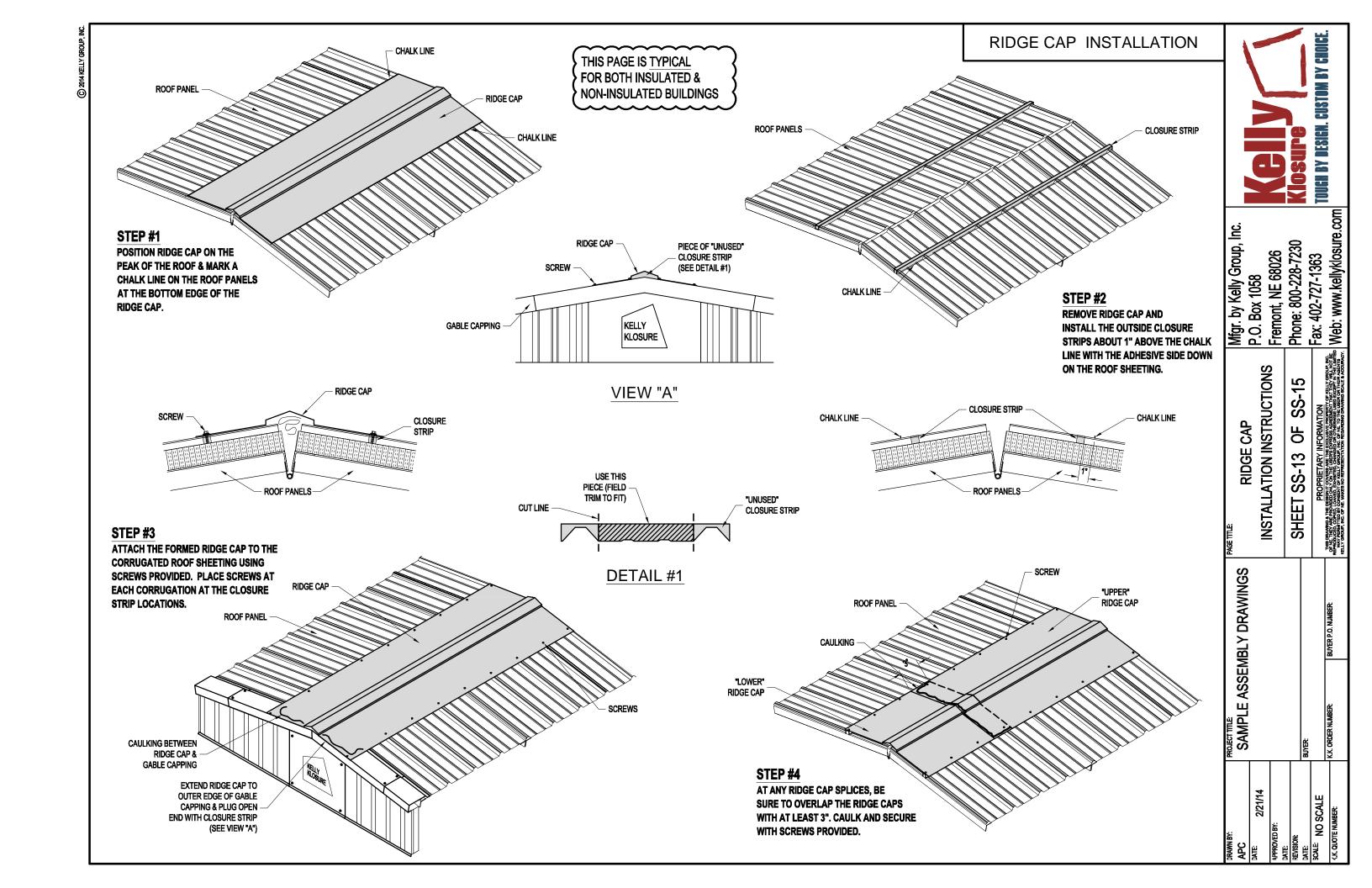
GUTTER & DOWN SPOUT INSTALLATION PROCEDURE

- 1. LAY OUT 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.



Web: www.kellyklosure.com Mfgr. by Kelly Group, Inc. Phone: 800-228-7230 Fremont, NE 68026 P.O. Box 1058 INSTALLATION INSTRUCTIONS **SS-15 GUTTER & DOWNSPOUT** ᆼ SHEET SS-11 SAMPLE ASSEMBLY DRAWINGS 2/21/14 NO SCALE





EQUIPMENT DOOR OPENING FLASHING

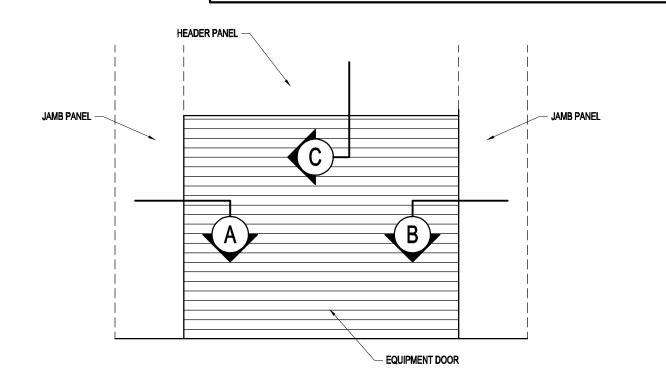
IMPORTANT NOTE: OVERHEAD DOORS ARE SUPPLIED ONLY!

INSTALLATION & SERVICE IS BY OTHERS!

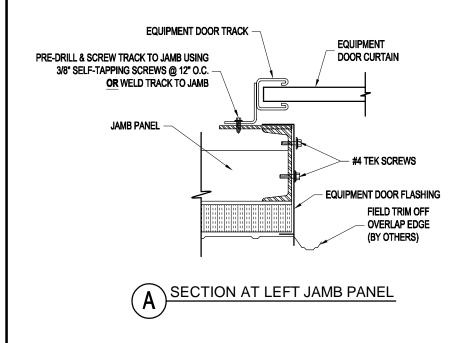
(INSTRUCTIONS FOR OVERHEAD DOOR ARE INCLUDED WITH THE DOOR)

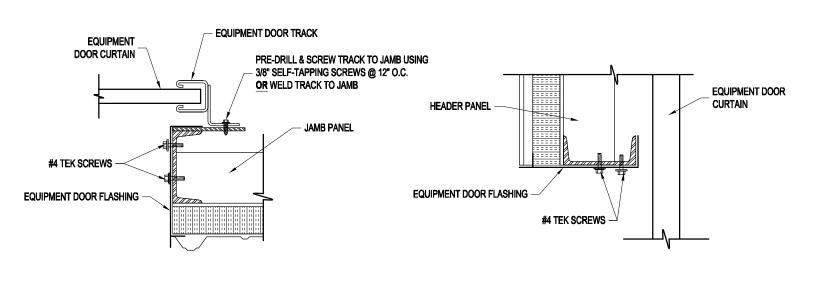
INSTALLATION NOTES:

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



EQUIPMENT DOOR ELEVATION





B SECTION AT RIGHT JAMB PANEL

TYPICAL SECTION AT HEADER PANEL

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EQUIPMENT DOOR FLASHING INSTALLATION INSTRUCTIONS SHEET SS-14 OF SS-15

SAMPLE ASSEMBLY DRAWINGS 1221/14

NO SCALE

