SAMPLE

ASSEMBLY DRAWINGS FOR A 15'W X 10'H EAVE X 39'L KELLY KLOSURE BUILDING "SAMPLE BUILDING"

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

1) BUILDING STRUCTURE

A) BUILDING STRUCTURAL DESIGN CRITERIA

a) BUILDING CODE: 2006 IBC

) ROOF LOAD: 20 PSF (GROUND SNOW LOAD)

SNOW DRIFT LOAD: NONE

) WIND LOAD: 90 MPH (3 SECOND GUST)

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

f) OCCUPANCY CATEGORY:

- 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 OCCUPANCY, EGRESS, HVAC, ELECTRICAL, MECHANICAL, FIRE SAFETY ETC. IS THE RESPONSIBILITY OF THE END USER OR ITS REPRESENTATIVES. MATERIAL SPECIFICATIONS ARE AVAILABLE UPON REQUEST.
- C) ANY REQUIRED "MAJOR PENETRATIONS" THROUGH THE WALLS OR ROOF OF THE BUILDING SHOULD BE NOTED AND LOCATED ON THESE APPROVAL DRAWINGS BEFORE RELEASE FOR MANUFACTURING IS GIVEN. THIS WILL ALLOW KELLY TO MODIFY FRAMING AS NECESSARY. FIELD CUTTING OF ANY STEEL FRAMING MEMBERS IS NOT RECOMMENDED AND WILL VOID THE STRUCTURAL DESIGN CRITERIA AND ANY WARRANTIES. "MAJOR PENETRATIONS" ARE ITEMS LIKE HVAC DUCTS AND LARGE PIPES OR CONDUITS.
- D) IF PERMITS ARE TO BE PULLED FOR THIS PROJECT, KELLY KLOSURE RECOMMENDS THAT THIS BE DONE BEFORE BUILDING IS RELEASED FOR MANUFACTURING. ANY INSPECTIONS REQUIRED FOR PERMITS ARE THE RESPONSIBILITY OF THE END USER OR ITS REPRESENTATIVES.

IMPORTANT NOTE: ANY AND ALL CHANGES, MODIFICATIONS OR RETROFITS REQUIRED DUE TO PERMITS BEING PULLED AFTER THE BUILDING IS MANUFACTURED ARE NOT KELLY'S RESPONSIBILITY.

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.

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

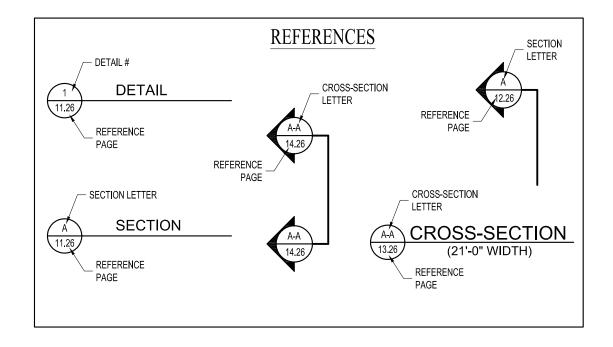
PAGE #1 PAGE #2	PANEL & PANEL RACK HANDLING TIPS BASIC BUILDING COMPONENTS
3 4 5 6 7 8 9 10	ELEVATIONS MATERIAL LISTS BUILDING LAYFLAT FOUNDATION PREPARATION PLAN VIEW BASE SECTIONS PLAN VIEW & DETAILS TYPICAL CROSS-SECTION CROSS-SECTION DETAILS
SS-1 SS-2 SS-3 SS-4 SS-5 SS-6 SS-7 SS-8 SS-9 SS-10 SS-11 SS-12 SS-13 SS-14 SS-15 SS-16	SUPPLEMENT SHEETS DOOR INSTALLATION INSTRUCTIONS GABLE CLOSURE PANEL ASSEMBLY BUILDING FLASHING INSTALLATION INSTRUCTIONS BASE FLASHING INSTALLATION ISOMETRIC BASE FLASHING INSTALLATION ISOMETRIC (AT DOORS) BASE FLASHING CORNER CAP INSTALLATION DOUBLE DOOR FLASHING INSTALLATION EAVE FLASHING INSTALLATION ISOMETRIC EAVE END CLOSURE CAP INSTALLATION GUTTER & DOWNSPOUT LAYFLAT GUTTER & DOWNSPOUT INSTALLATION INSTRUCTIONS GUTTER & DOWNSPOUT INSTALLATION DETAILS GABLE END CAP INSTALLATION RIDGE CAP INSTALLATION LIGHT TRANSMITTING ROOF PANEL INSTALLATION EQUIPMENT DOOR FLASHING INSTALLATION
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ARCHITECTURAL LEGEND **EARTH** CONCRETE RIGID INSULATION 122222

BATT INSULATION

GLASS (ELEVATION)

	TOOL LIST
Qty.	Description
1	TIN SNIPS
4	DRIFT PINS (1/4" - 3/4" TAPER)
2	1/2" DRIVE RATCHETS
2	9/16" SOCKET
2	3/4" SOCKET
2	1 1/16"" SOCKET
1	ELECTRIC IMPACT WRENCH 1/2" DRIVE
1	MASONRY DRILL
3	3/8" MASONRY DRILL BIT (MINIMUM LENGTH 6")
1	1/2" 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
2	SCAFFOLDING OR STAGGING (ROLLING)
1	SCREWDRIVER W/ PHILLIPS HEAD
1	SCREWDRIVER W/ STANDARD HEAD
1	ELECTRIC DRILL
2	9/16" WRENCH
2	3/4" WRENCH
2	1 1/16" WRENCH
2	5/16" NUT DRIVER
2	3/8" NUT DRIVER
1	50'-0"LONG TAPE MEASURE
1	CHALK LINE
2	STEP LADDERS
1	CAULKING GUN
	OPTIONAL EQUIPMENT
1	FORK LIFT
1	SCISSOR LIFT
1	JLG OR CONDOR CHERRY PICKER



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.

- UPPER RACK FOOT



- FORKLIFT FORKS

- SHEETING OVERLAPS



- FORKLIFT FORKS

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.

TOP RACK

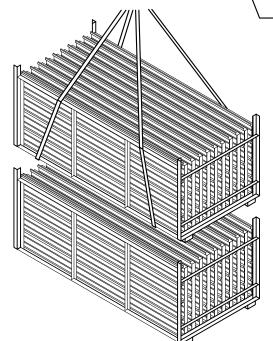
SHEETING OVERLAPS

BOTTOM RACK



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.

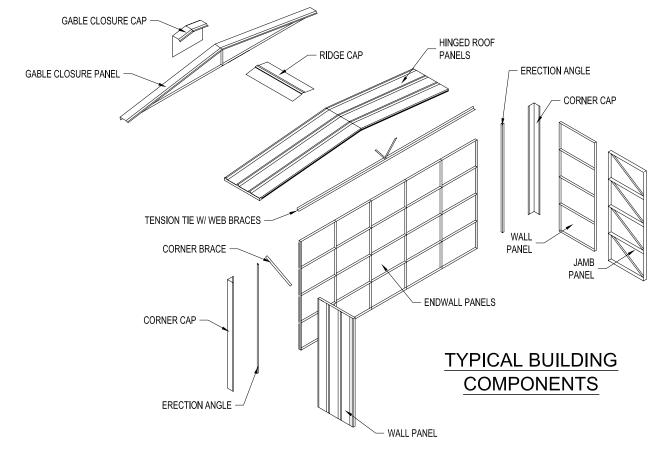


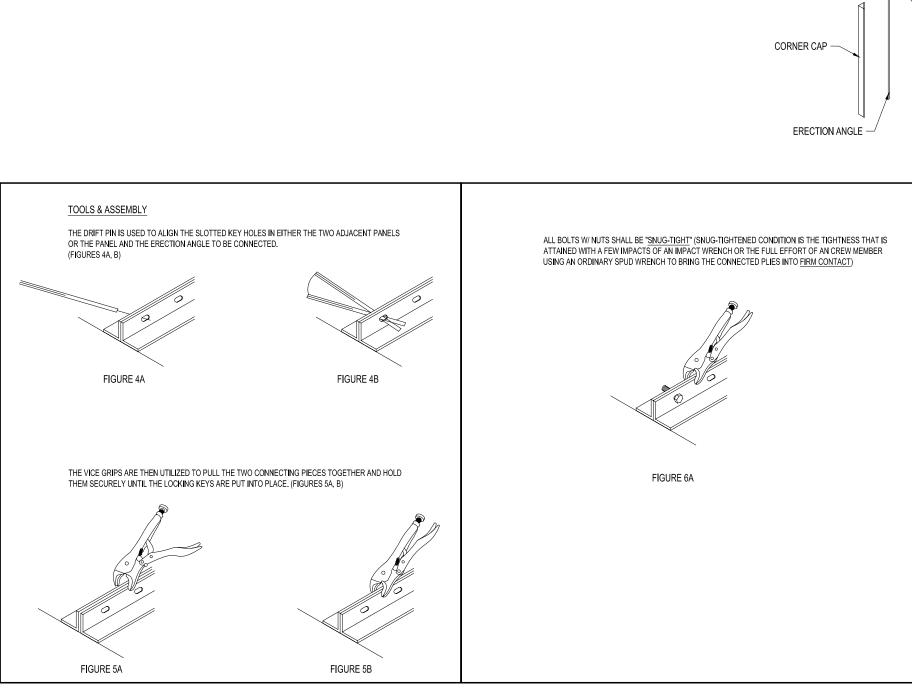
LIFTING PANEL RACKS WITH SLINGS

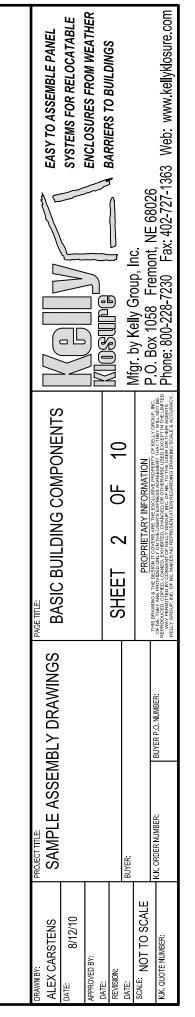
- BLOCKING

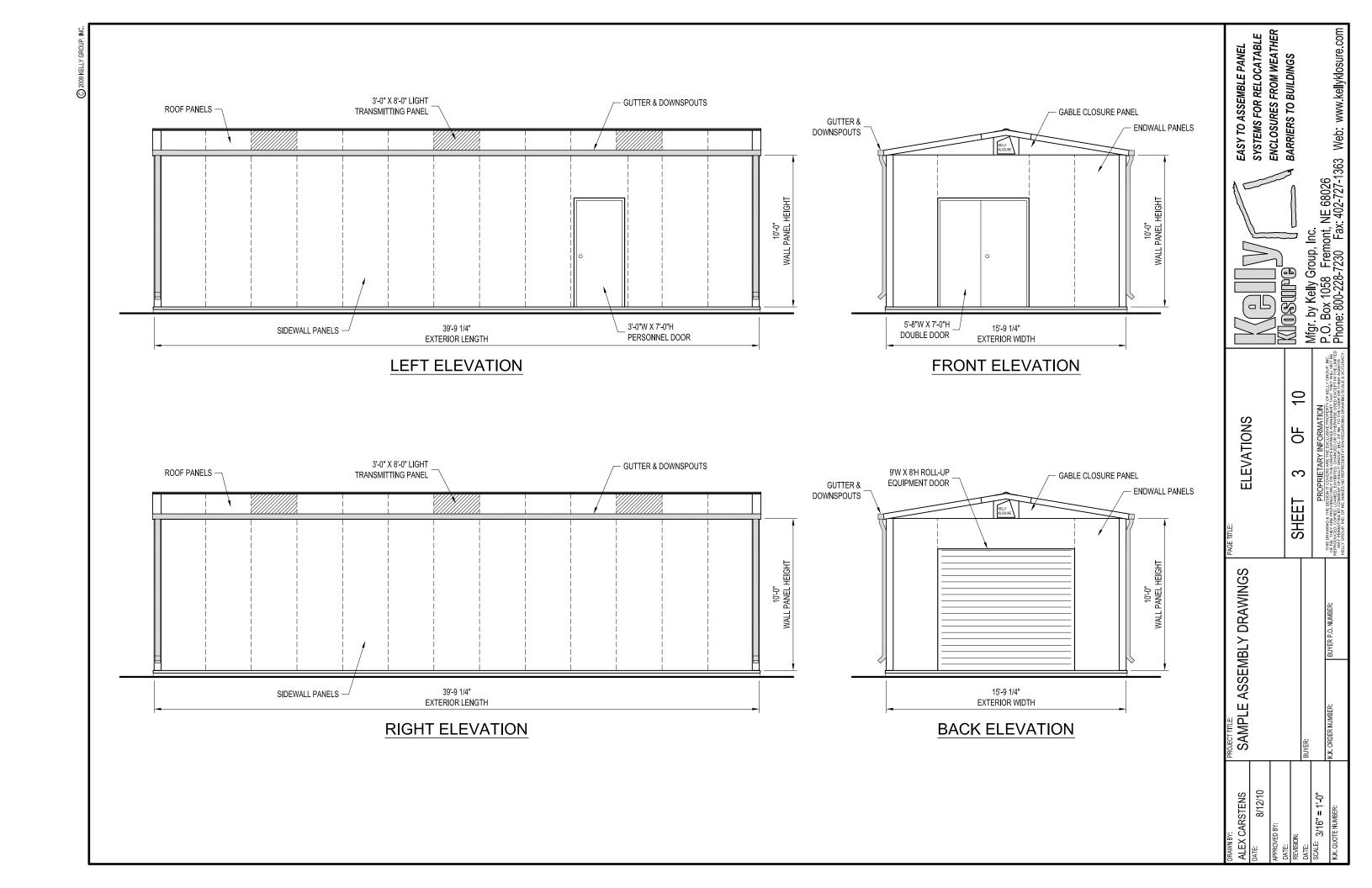
AN OPTIONAL METHOD OF UNLOADING PANELS IS SHOWN IN THIS ILLUSTRATION, USING SLINGS HUNG FROM A CRANE OR CHERRY PICKER INSTEAD OF A FORKLIFT TO UNLOAD PANEL RACKS FROM THE TRUCK.

		Mfgr. by Kelly Group, I	
PAGETITIE: PANEL & PANEL RACK HANDLING TIPS	SHEET 1 OF 10	PROPRIETARY INFORMATION	OF THE THEY WER REPORTED SON, COVINE THE THESE EXPRESS CREATERED THE THEY WILL FOR THE VIEW THE THEY WILL FOR THE WILL FOR THEY WERE THE CHARGES OF THE WARRINGS LESSED EXCEPT IN THE LIMITED SHARKED COST OF THE WARRINGS TO FREILY CHARGES OF THE WARRINGS THE THE WARRINGS TO FREILY CHARGES OF THE WARRINGS
PROJECT TITLE SAMPLE ASSEMBLY DRAWINGS	D INFE.	BOYEK	K.K. ORDER NUMBER: BUYER P.O. NUMBER:
DRAWN BY: ALEX CARSTENS DATE: 8/12/10 APPROVED BY:	DATE: REVISION:	SCALE: NOT TO SCALE	K.K. QUOTE NUMBER:









MATERIALS LIST

			MATERIA	ALS LIS	<u>· I </u>
Qty			Description	on	
24	3102		Wall Panel 3'x10'x2"	V-11	
WP-1	29GV	I15	29Ga Galvalume Sht	1.1/2" Insul.	
1 WP-2	2310 29GV	I15	Wall Panel 2'-3"x10'x2" 29Ga Galvalume Sht	1.1/2" Insul.	
1 1	3910	RSO	Door Panel 3'-9"x10'x2"	1.1/2 IIISUI.	3'x7' P. Door (HRSO)
WP-3	29GV	I15	29Ga Galvalume Sht	1.1/2" Insul.	. ,
1 WP-4	6102 29GV	DD I15	Door Panel 6'x10'x2" 29Ga Galvalume Sht	1.1/2" Insul.	5'-8"x7'-0" Double Door (SO)
1	3102	113	Wall Panel 3'x10'x2"	1.1/2 Hisui.	Jamb Panel
WP-5	29GV	I15	29Ga Galvalume Sht	1.1/2" Insul.	
1 WP-6	3102 29GV	I15	Wall Panel 3'x10'x2" 29Ga Galvalume Sht	1.1/2" Insul.	Jamb Panel
1	3102	113	Header Panel 2'x9'x2"	1.1/2 111341.	
HP-1	29GV	I15	29Ga Galvalume Sht	1.1/2" Insul.	
10 RP-1	33152 29GV	15RP 115	Roof Panel 3'x15'x2" 29Ga Galvalume Sht	1.1/2" Insul.	
3	33152	15RF	Roof Panel 3'x15'x2"		Light Transmitting Roof Panel
RP-2 2	29GV 0152	I15	29Ga Galvalume Sht Gable End Panel, 15' Span	1.1/2" Insul.	
2	29GV	I15	29Ga Galvalume Sht	1.1/2" Insul.	
4	2109	A15	10' Erection Angle		L1.1/2x1.1/2x1/8
Qty		Set Assembly Dresse	Description ings (w/MSDS Sheets)		
1	Pint	Touch Up Paint - Pa			Red Primer
1	Pint	Touch Up Paint - De	oor		Mfg. Door Gray
2 2		S. Parker Door Kno S. Parker Door Clos			
28		Outer Closure Strip			Imperial Rib
79	Ft.	R13 Batt Insulation 1/2" x 1" Base Seal	255+		
5 2	Rolls Tubes	1/2" x 1" Base Seal Silco Caulking - Cle			
	Building	g Bolts			
350 350		3/8"x1" Bolt, Zinc F			
50		3/8" Nut, Zinc Plate Locking Keys	u		
60		1/2"x1" Bolt, Zinc F			
60 8		1/2" Nut, Zinc Plate 3/8" Lag Screws	d		
20		#5 Tek Screw			
20	Ft.	Foil Tape			
4	SS Bro	acing Corner Brace Angle	- 3'-9 3/4"		L2x2x1/8
8		3/8"x1" Bolt, Zinc F			DEALATO
8		3/8" Nut, Zinc Plate			21.11"
2 4		Gable End Brace An 3/8"x1" Bolt, Zinc F	•		2'-11"
4		3/8" Nut, Zinc Plate			
12	SS Tensi	ion Ties Horiz.Tension Tie x	14'-11"		L2.1/2x2.1/2x3/16
24		Web Member - W1			L2.1/2x2.1/2x3/16 L1.1/2x1.1/2x1/8
24		Web Member - W2	(1'-6.5/16)		L1.1/2x1.1/2x1/8
24 27		Web Member - W3 5/8"x1.3/4" Bolt, Zi			L1.1/2x1.1/2x1/8
27		5/8" Nut, Zinc Plate	d		
144		3/8"x1" Bolt, Zinc F 3/8" Nut, Zinc Plate			
144 13		3/8" Nut, Zinc Plate 3/8" Rod Bridging	u		
29		Push Nut			
4	Building .	Flashing 10' Formed Ridge C	an		Galvalume
4		10' Corner Caps	mp'		Galvalume
8		10' Eave Flashing			Galvalume
12 4		10' Base Flashing Base Flashing Corne	ers		Galvalume Galvalume
4		Closure Cap			Galvalume
2	7!	Gable End Cap	ol Floghing		Galvalume
2 6	7'	Double Door Vertic Light Lap cap	ai riasiiiig		Galvalume Galvalume
350		#8-18 x 1/2 T-2 Scr			Galvanized
6 2	10' 5'	Open ended gutter s Gutter section w/ Ri			
2	5'	Gutter section w/ Le			
4	10'	Box Downspouts	-		
12 8	5'	Downspout support Gutter support Chan			
	Asta Equip	ment Door	9 Wide x	8 High	
2	01	Asta Roll-Up Equip			Galvaluma
6 60	8'	Equipment Door Fla #4 Tek Screw	ronnik		Galvalume Galvalume
62		1/4" x 1.1/4" Bolt, 2			
62 44	Lf.	1/4" Nut, Zinc Plate 2" Brush Weathersti			
44	Lf.	Aluminum Retainer			
44		#5 Tek Screw			

FOUNDATIONS

- 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
 - 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 ACCOMMODATE SITE SOIL CONDITIONS AND LOCAL FROST DEPTH.
 - BUILDING ANCHOR BOLT REACTIONS ARE AVAILABLE UPON REQUEST.

ANCHOR BOLTS

- PRESETTING OF ANCHOR BOLTS IS NOT REQUIRED. ANCHOR BOLTS WILL BE INSTALLED AS THE BUILDING IS ERECTED. KELLY RECOMMENDS THE SIMPSON TITEN HD SCREW ANCHOR AS SHOWN ON THE BUILDING BASE SECTION ON THE BASE SECTIONS PAGE.
- b) CONCRETE ANCHORS WILL BE SUPPLIED WITH THE BUILDING SHIPMENT.

PANEL COMPONENTS AND FINISHES

- PANEL FRAMES & STRUCTURAL STEEL COMPONENTS
 - ONE COAT, CORROSION RESISTANT, WATER REDUCIBLE, ALKYD EMULSION PRIMER
- EXTERIOR STEEL SIDING AND ROOFING
 - 29 GA. 3/4" RIBBED "IMPERIAL RIB". DOES NOT REQUIRE SEAL TAPE OR STITCH SCREWS AT OVERLAPS
 - SIDING AND ROOFING TO BE PLAIN GALVALUME COATING ONLY

FACTORY INSTALLED INSULATION

- INSULATION TO BE RIGID, CLOSED CELL, POLYISOCYANURATE WITH FOIL FACING
- WALLS: 1.1/2" THICK
- ROOF: 1.1/2" THICK
- FACTORY INSTALLED STEEL INSULATION LINER
 - NONE

GUTTER SYSTEMS

GUTTER & DOWNSPOUTS ARE SUPPLIED BY KELLY AS SHOWN ON THE BUILDING ELEVATIONS (PAGE 3 OF 10).

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

3'W X 7'H PERSONNEL DOOR FACTORY INSTALLED IN A 3'-9" WIDE WALL PANEL,

TYPE "A" SHOWN ON PLAN VIEW

DOOR FRAME: 16 GA. STEEL, PRIMED AND FINISH PAINTED

18 GA. STEEL, HONEYCOMB CORE, PRIMED AND FINISH PAINTED DOOR LEAF: STANDARD LOCKSET, S.PARKER B9160 SERIES, STAINLESS STEEL

*ENTRY LOCK:

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

STANDARD, S.PARKER 954, ALUMINUM FINISH *CLOSER:

DOOR SWEEP: STANDARD, MD DCV134, ALUMINUM FINISH

WEATHER STRIPPING: NONE

5'-8"W X 7'H PERSONNEL DOOR FACTORY INSTALLED IN A 6'-0" WIDE WALL PANEL

TYPE "B" SHOWN ON PLAN VIEW

DOOR FRAME: 16 GA, STEEL, PRIMED AND FINISH PAINTED

18 GA. STEEL, HONEYCOMB CORE, PRIMED AND FINISH PAINTED DOOR LEAF: *ENTRY LOCK: STANDARD LOCKSET, S. PARKER B9160 SERIES, STAINLESS STEEL

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

*CLOSER: STANDARD, S.PARKER 954, ALUMINUM FINISH

DOOR SWEEP: STANDARD, MD DCV134, ALUMINUM FINISH WEATHER STRIPPING: NONE

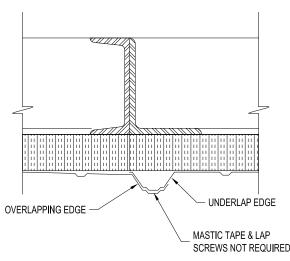
FLUSH BOLTS: INACTIVE LEAF ONLY, STANDARD, IVES 458B, US26D FINISH

NOTES:

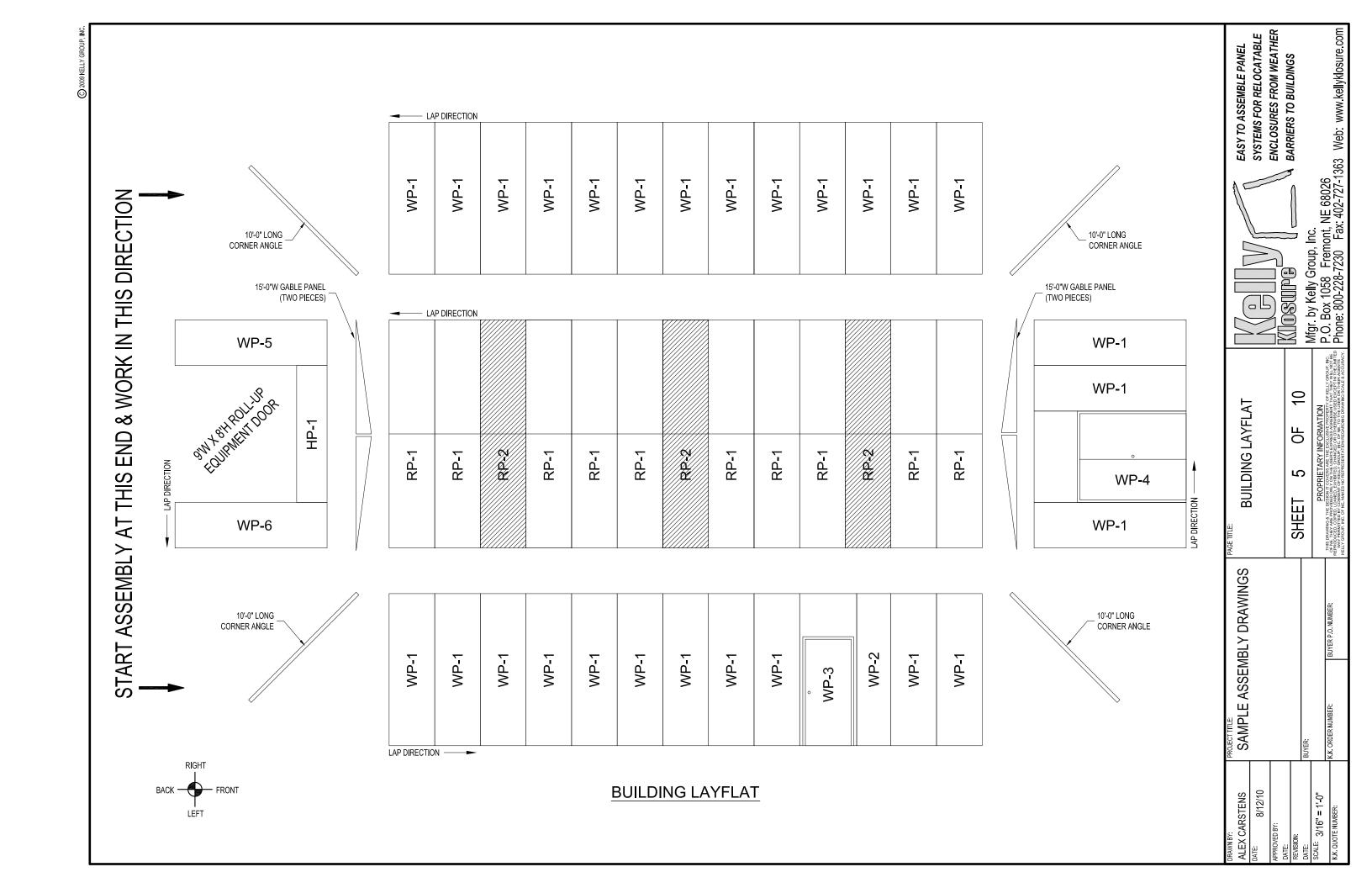
- (*) THESE ITEMS ARE FIELD INSTALLED TO PREVENT DAMAGE DURING SHIPMENT AND ERECTION
- CHANGES FROM LISTED HARDWARE MAY REQUIRE AN ADDITIONAL CHARGE.
- ROLL-UP EQUIPMENT DOORS ARE AS NOTED ON THE PLAN VIEW PAGE DOOR SCHEDULE.

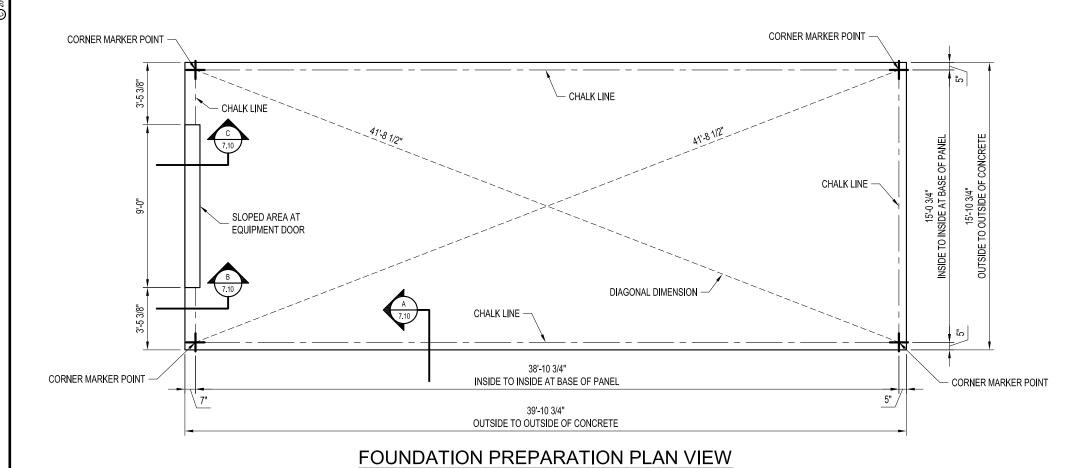
EQUIPMENT DOORS ARE SUPPLIED ONLY. INSTALLATION AND SERVICE IS THE RESPONSIBILITY OF THE END USER. KELLY KLOSURE DOES NOT HAVE EXPERIENCE IN INSTALLATION OF EQUIPMENT DOORS AND THEREFORE CANNOT PROVIDE ASSISTANCE EXCEPT IN WARRANTY, SHIPPING SHORTAGES OR SHIPPING DAMAGE RELATED ISSUES.

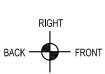
EASY TO ASSEMBLE PANEL
SYSTEMS FOR RELOCATABLE
ENCLOSURES FROM WEATHER
BARRIERS TO BUILDINGS Web: NE 68 Group, Inc. by Kelly (Box 1058) e: 800-228 9 MATERIALS LIST Я 4 SHEET DRAWINGS ASSEMBLY SAMPLE 8/12/10 2 NOT



OVERLAP DETAIL







STEP #1 - MARKER POINTS

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

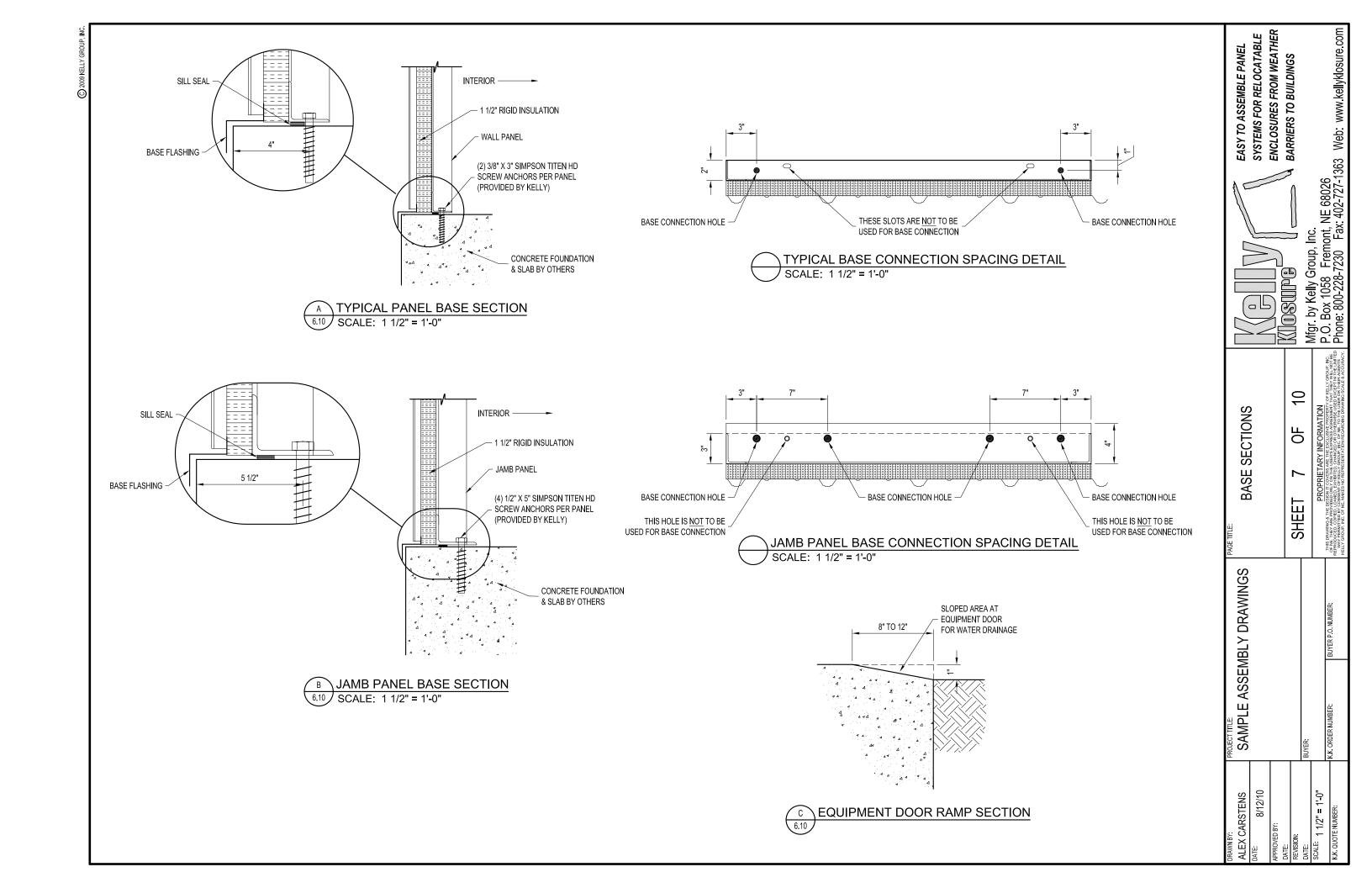
STEP #2 - DIAGONAL MEASUREMENT

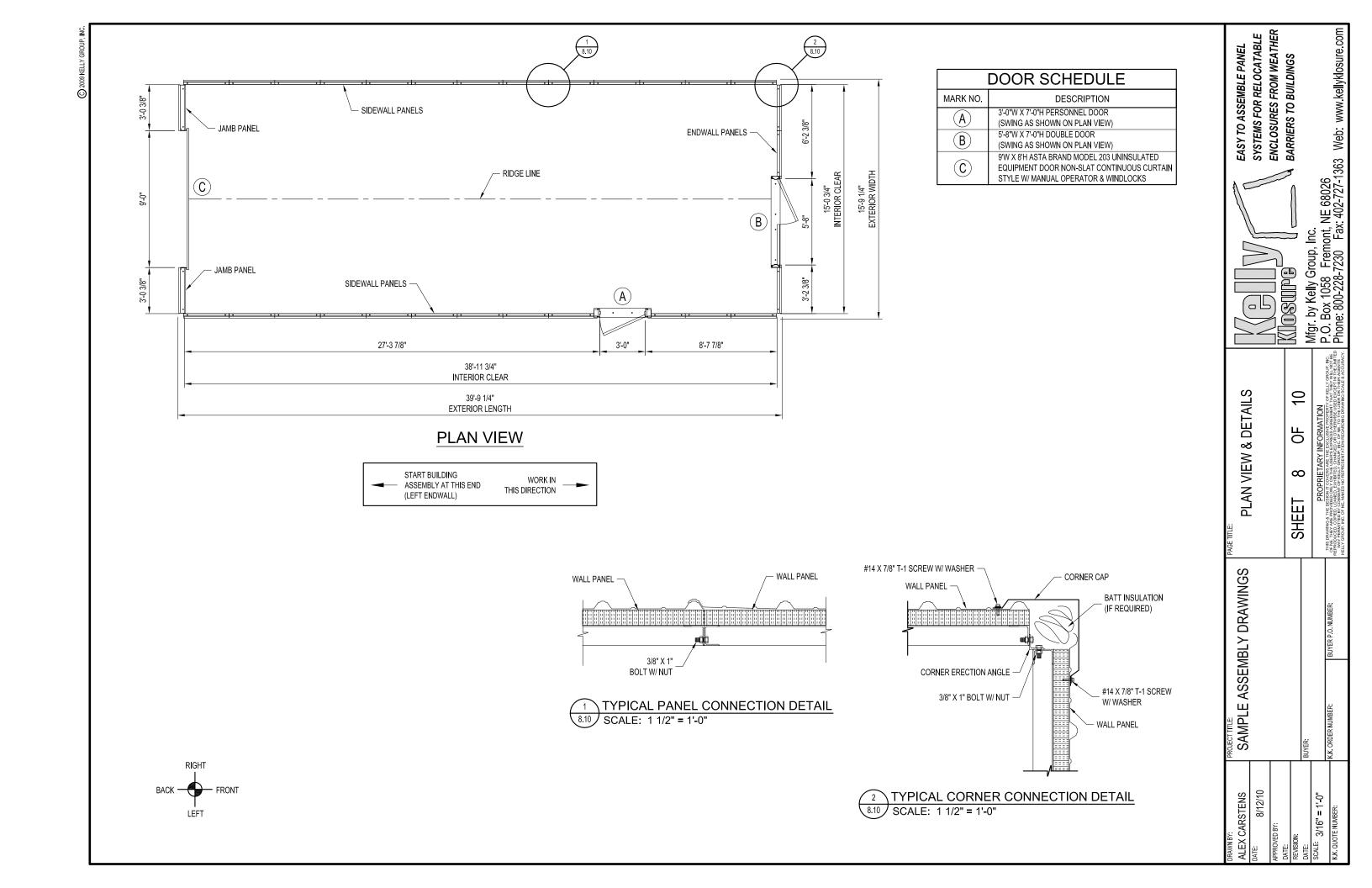
MEASURE THE DIAGONALS (DIAGONAL MEASUREMENTS MUST BE EQUAL), CORRECT IF NECESSARY BY SHIFTING THE CORNERS WITHOUT CHANGING THE LENGTH OR WIDTH DIMENSIONS.

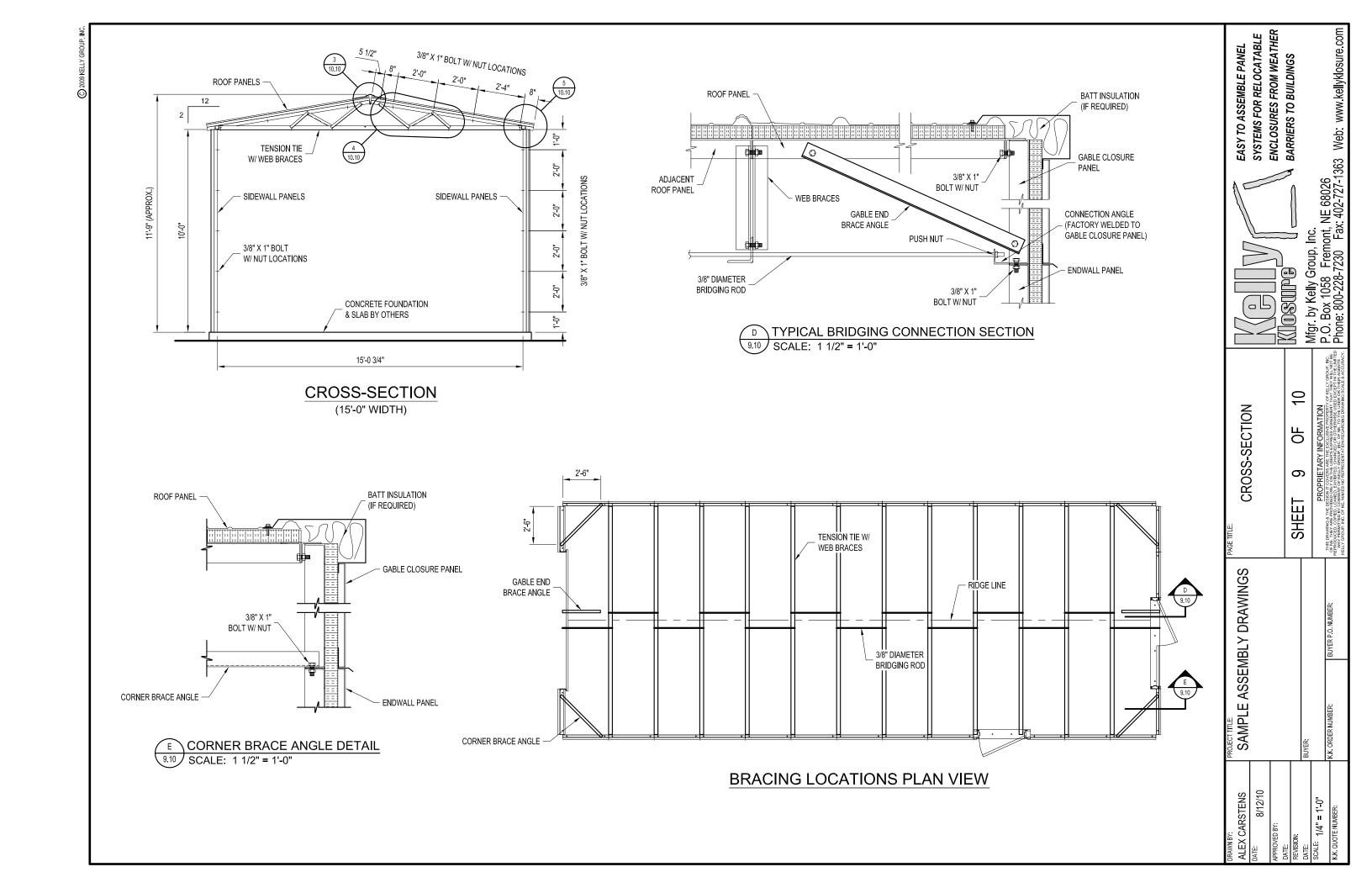
STEP #3 - CHALK LINE

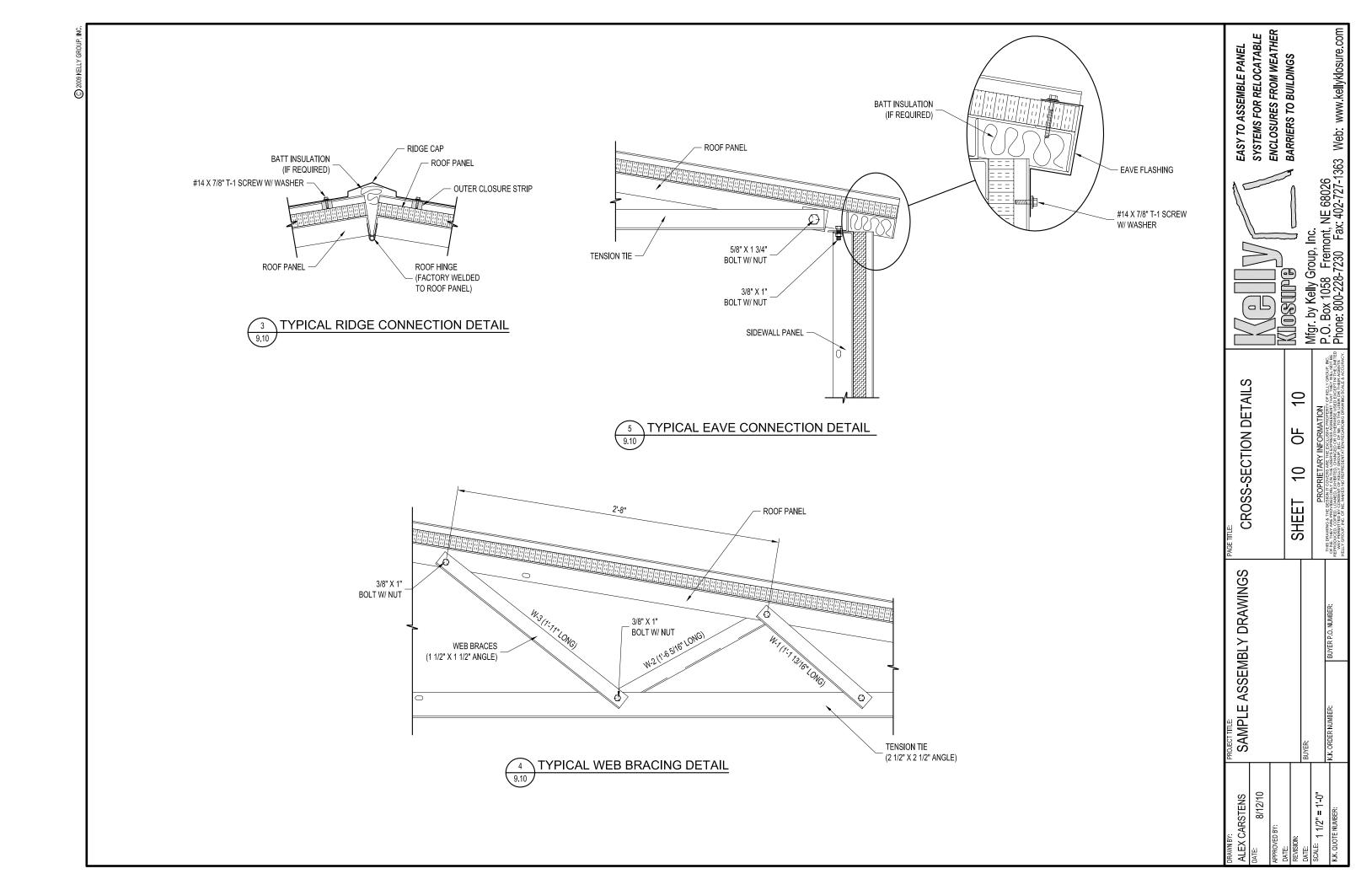
USING THE SQUARED MARKER POINTS, SNAP A CHALK LINE AS SHOWN. (THE CHALK LINE SIGNIFIES THE INSIDE BUILDING DIMENSIONS)

	MILLUSCUII HE (Mfar by Kally Grain Inc	Migi. by Ivally Gloup, III.	Phone: 800-228-7230 Fax: 402-727-1363 Web: www.kellyklosure.com
PAGE TITLE: FOUNDATION PREPARATION PLAN VIEW	SHEET 6 OF 10	į	PROPRIETARY INFORMATION	HIS ORAMINA S. HE ESSEN IT COVER SER THE RECLUCIBLE PROPERTY CRELL'ORON, NO. OF N. THEY ME PROVIDED ONLY ON THE USER'S EXPRESS AGREEMENT THAT THEY ML NOT BE REPROCUED. COPIED, UNDED, EXHIBITED CHANGED OF INTERWINE USE COCET IN THE LIMITED WAY PERMITTED BY CONSENT OF RELLY GROUP, IN. C. P. NE. 10 THE LUSEN OF THE MAKES NO. PERLY GROUP, INC. OF NE. MAKES NO REPRESENTATION REGNORING DRAWING SCALE & ACCURACY.
SAMPLE ASSEMBLY DRAWINGS		BUYER:		K.K. ORDER NUMBER: BUYER P.O. NUMBER:
DRAWN BY: ALEX CARSTENS DATE: 8/12/10 APPROVED BY:	REVISION:	DATE:	SCALE: 3/16" = 1'-0"	



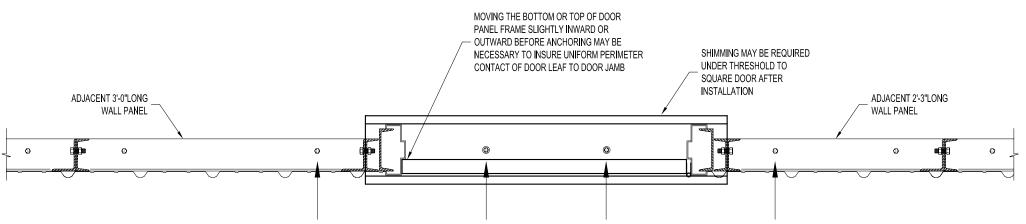






ATTENTION INSTALLER:

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

DOOR INSTALLATION

EASY TO ASSEMBLE PANEL
SYSTEMS FOR RELOCATABLE
ENCLOSURES FROM WEATHER
BARRIERS TO BUILDINGS

DOOR INSTALLATION INSTRUCTIONS

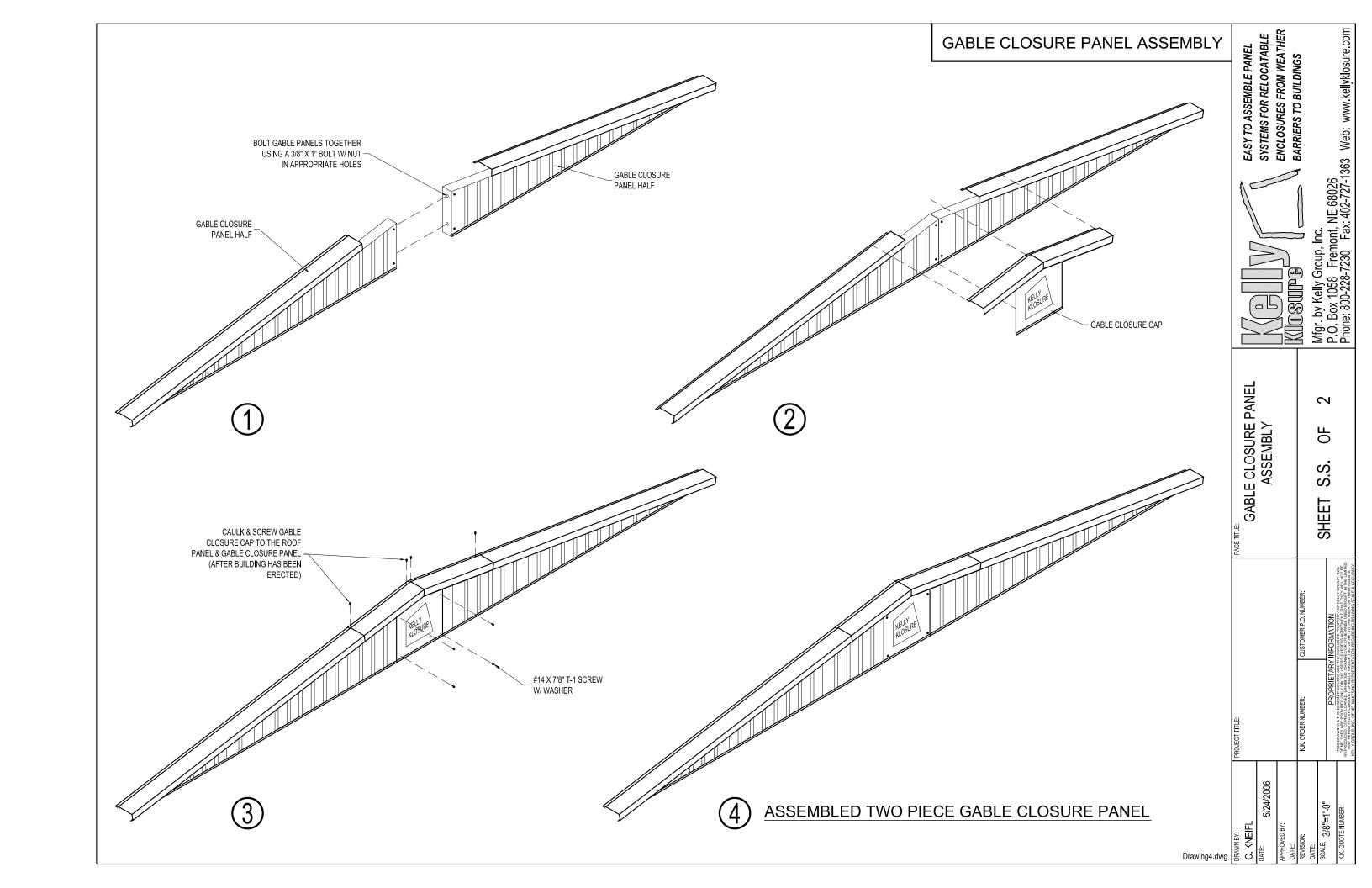
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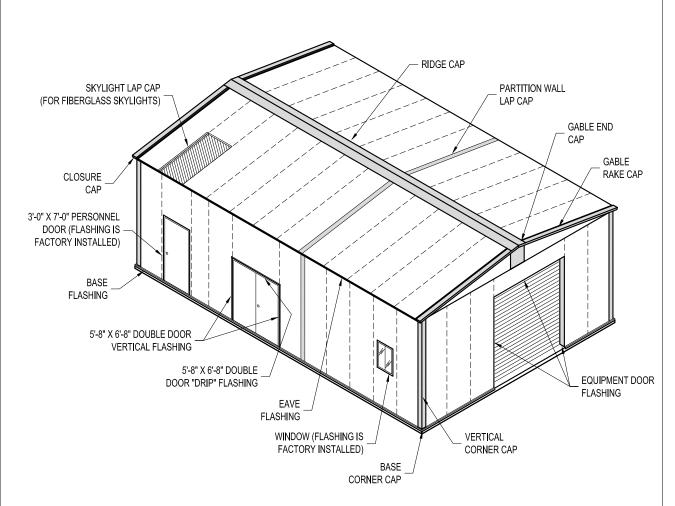
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BUILDING FLASHING INSTALLATION LOCATIONS

GUTTERS AND DOWNSPOUTS NOT SHOWN SEE PAGE 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'-0" LENGTHS
- 2. BASE FLASHING CORNER CAPS SUPPLIED AS SHOWN
- 3. VERTICAL CORNER CAPS TYPICALLY SUPPLIED IN 10'-0" LENGTHS (THESE PIECES WILL BE THE SAME PROFILE AS THE GABLE RAKE CAPS)
- 4. INSTALL PARTITION WALL & REMOVABLE ROOF LAPS CAPS (IF APPLICABLE)
- 4. EAVE FLASHING SUPPLIED IN 10'-0" LENGTHS **INSTALL GUTTERS AND DOWNSPOUTS DURING THIS STEP IF SUPPLIED** (SEE THE GUTTER INSTALLATION PAGES FOR DETAILS)
- 5. GABLE RAKE CAPS TYPICALLY SUPPLIED IN 10'-0" LENGTHS (THESE PIECES WILL BE THE SAME PROFILE AS THE VERTICAL CORNER CAPS)
- 6. 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)
- 7. GABLE END CAP SUPPLIED AS SHOWN
- 8. RIDGE CAP SUPPLIED IN 10'-0" PIECES
- 9. INSTALL ALL REMAINING MATERIAL INCLUDING SKY LIGHT LAPS CAPS, EQUIPMENT DOOR FLASHING, DOUBLE DOOR VERTICAL FLASHING & ANY OTHER MATERIAL REQUIRED.

EXISTING SLAB BASE FLASHING EQUIPMENT DOOR FLASHING

INSULATED UNINSULATED BUILDING BUILDING BASE FLASHING DOUBLE DOOR VERTICAL TRIM

BASE CORNER CAP





PARTITION WALL / REMOVABLE ROOF LAP CAP

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GUTTER SECTION



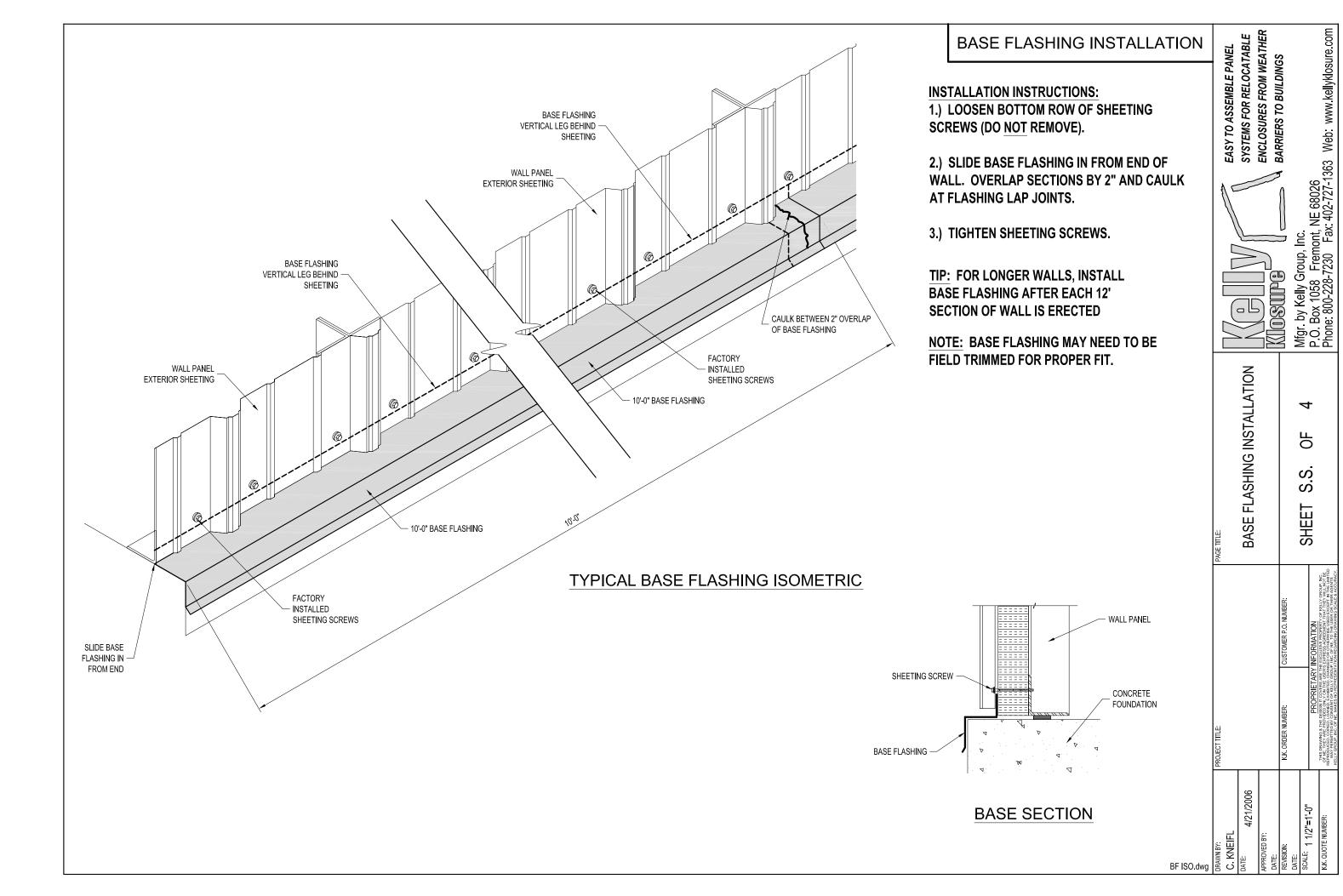


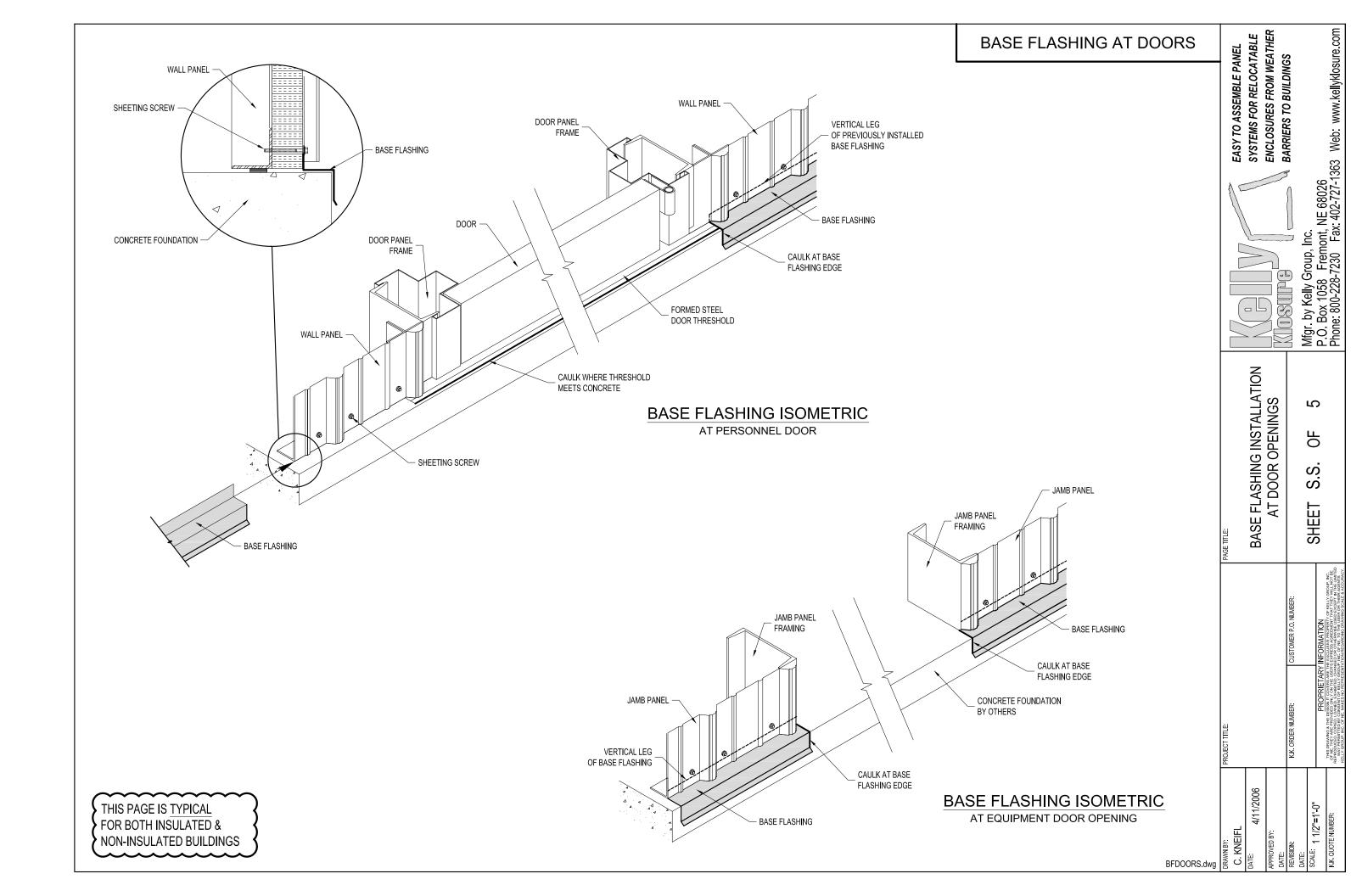
RIDGE FLASHING

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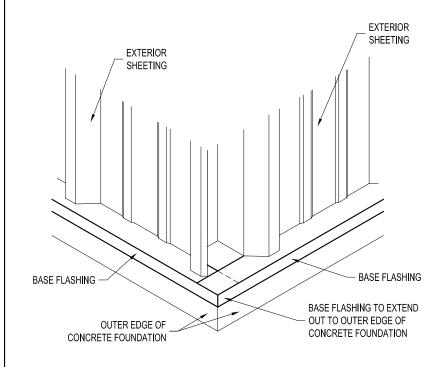
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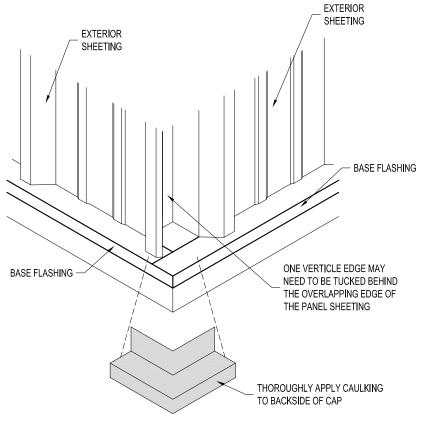


BASE FLASHING CORNER CAP



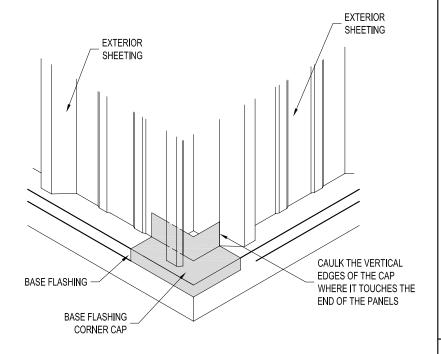
STEP #1

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



STEP#3

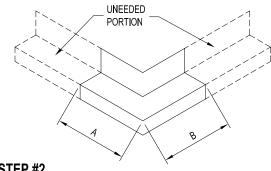
INSTALL BASE FLASHING CORNER CAP AS SHOWN, CAULK BETWEEN BASE FLASHING AND CORNER CAP.



STEP #4

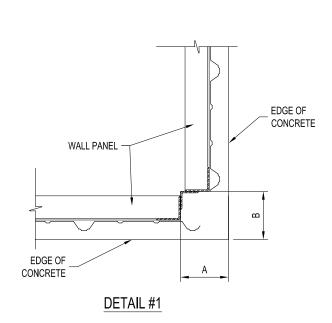
SCREW OR POP RIVET BASE FLASHING CORNER CAP TO THE BASE FLASHING IF NEEDED

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

BASECAP.dwg

C. KNEIFL		
DATE: 4/5/2006		
APPROVED BY:		
DATE:		
REVISION:	K.K. ORDER NUMBER:	CUSTOMER P.O. NUMBER.
DATE:		
SCALE: 4 4 / 2" - 4' 0"		
0-1-2/11	PROPRIETARY	PROPRIETARY INFORMATION
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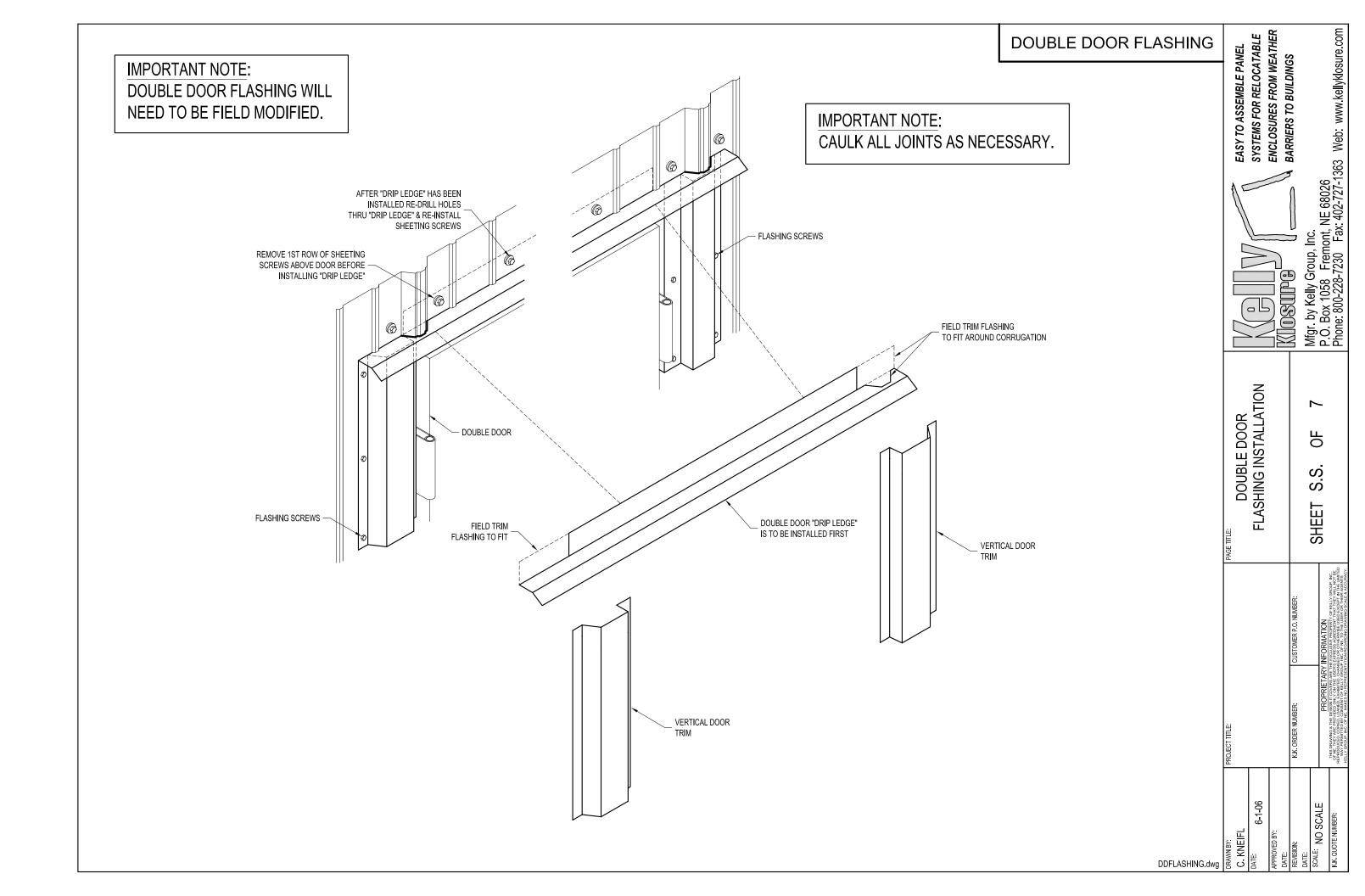
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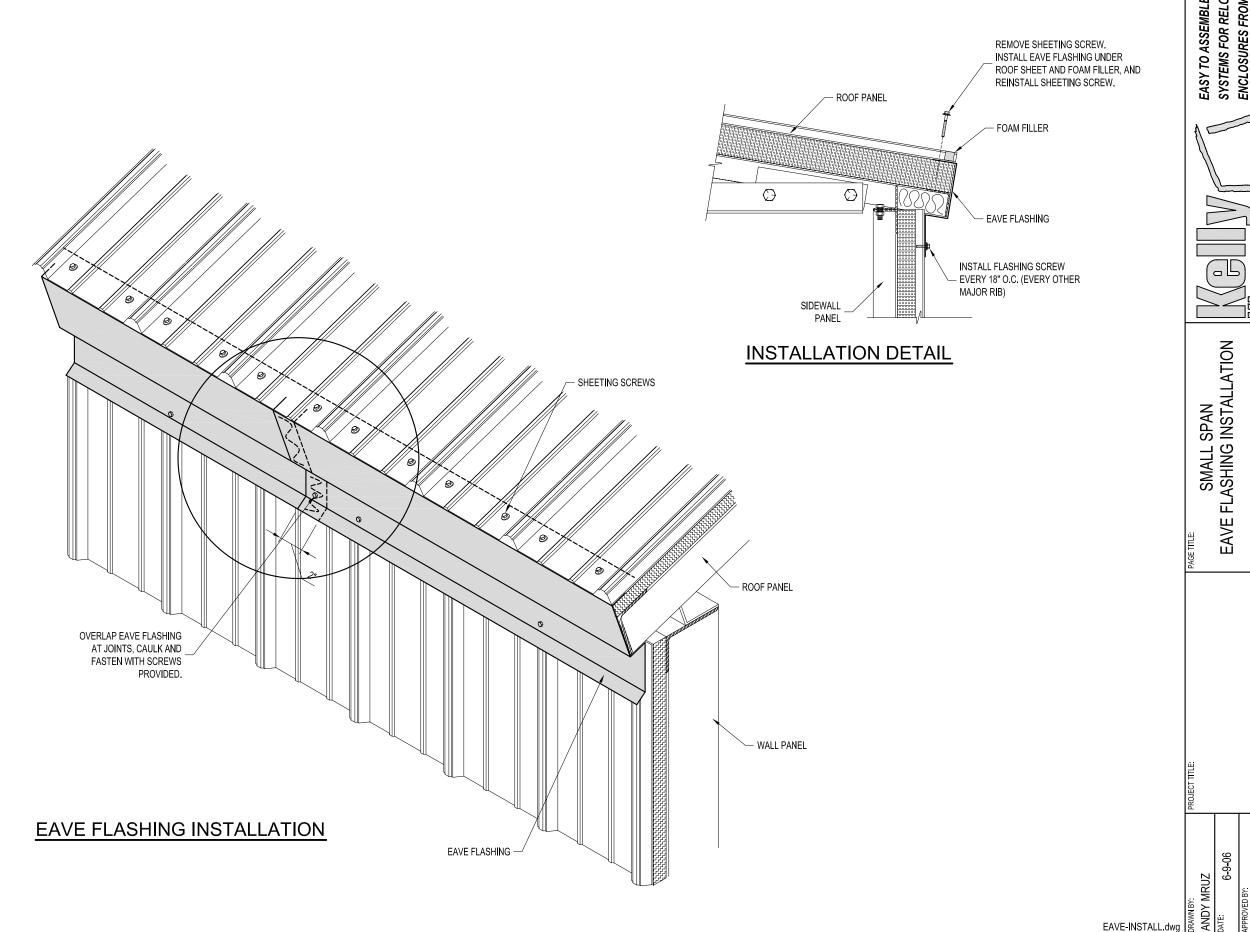
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BASE FLASHING CORNER CAP INSTALLATION



EAVE FLASHING INSTALLATION



EAVE-INSTALL.dwg

END CLOSURE CAP

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

ALL BUILDING FLASHING MAY REQUIRE

NOTE TO ASSEMBLY CONTRACTOR

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



IMPORTANT

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



STEP #4

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



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



STEP#6

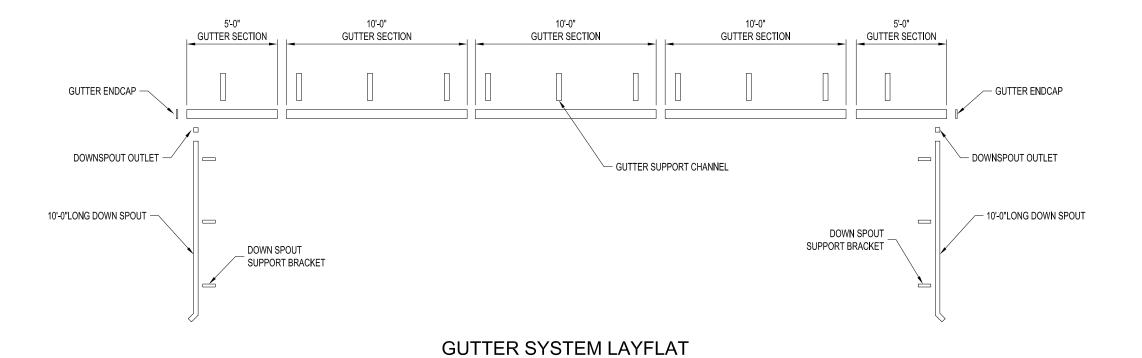
- #14 X 7/8" T-1 SCREW W/ WASHER

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

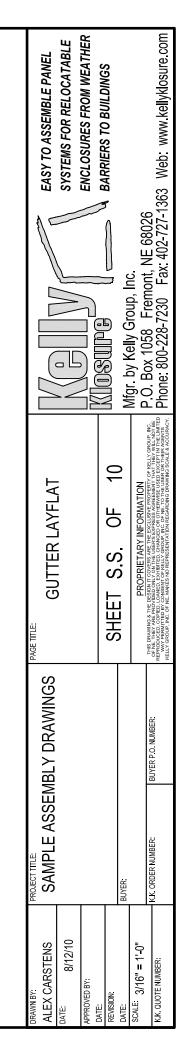
SMALL SPAN END CLOSURE CAP INSTALLATION

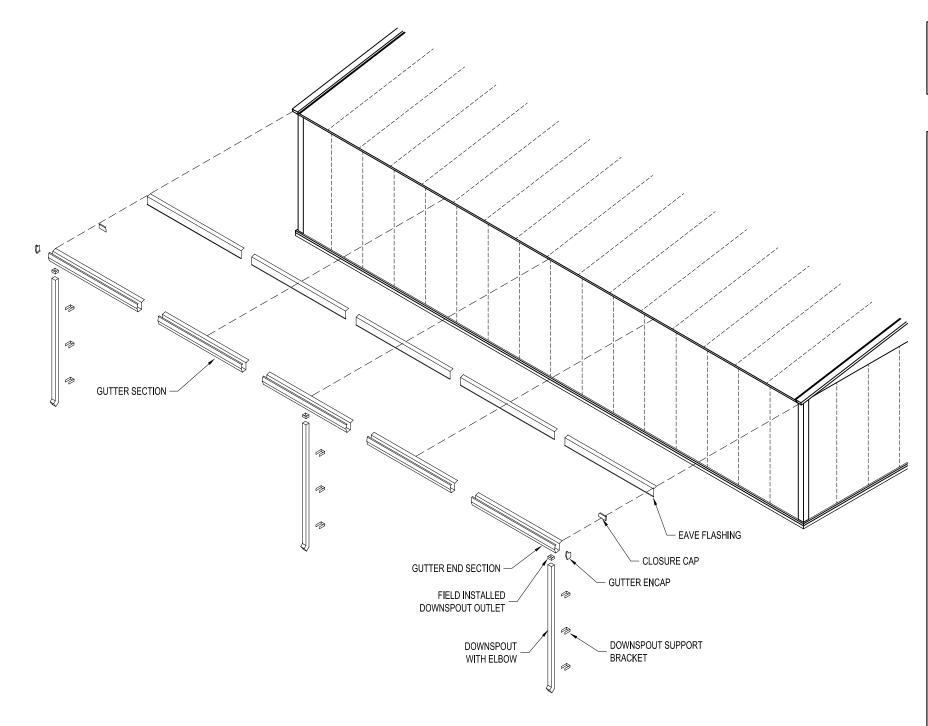
IMPORTANT NOTE:

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



(SAME FOR OTHER SIDE)





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.
- 4. OVERLAP GUTTER SECTIONS BY 3". INSTALL GUTTER ENDCAPS AND DOWNSPOUT OUTLETS IN THE CORRECT LOCATIONS. USE CAULKING & SUPPLIED RIVETS TO SECURE.
- 5. AFTER ALL GUTTER SECTIONS ARE INSTALLED, BEGIN FASTENING GUTTER SUPPORT CHANNELS EVERY 3'-0" ON CENTER. 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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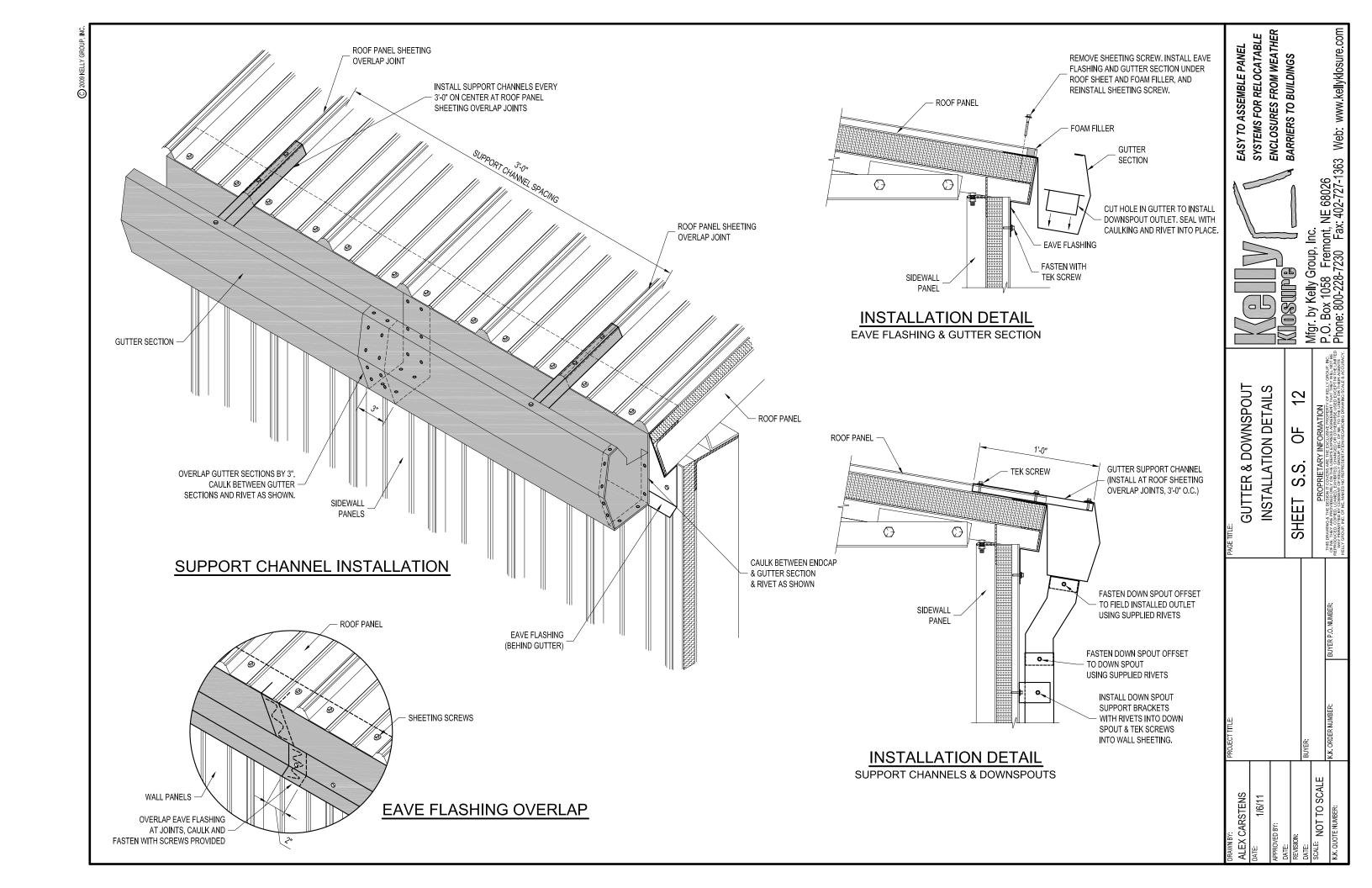
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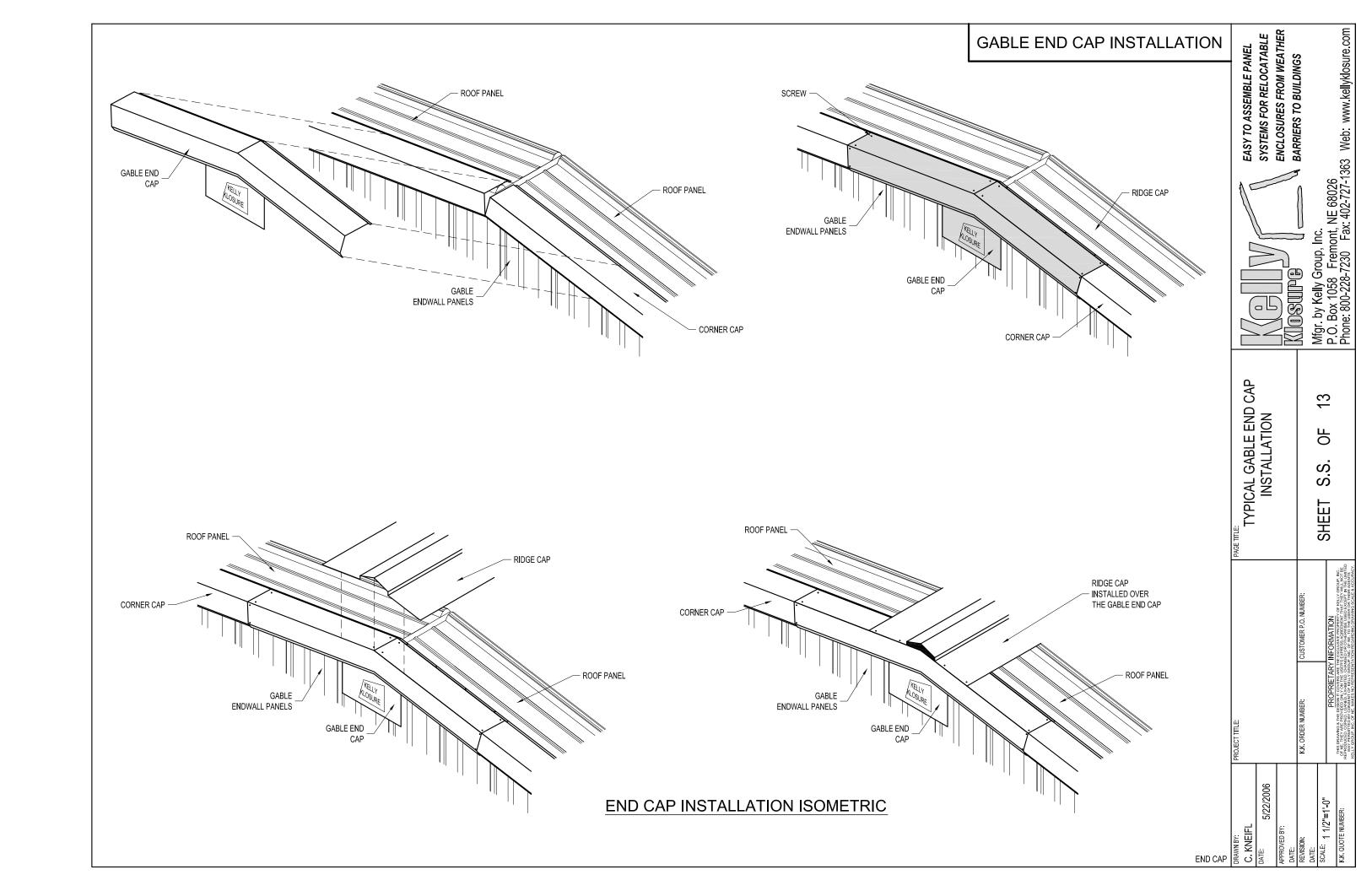
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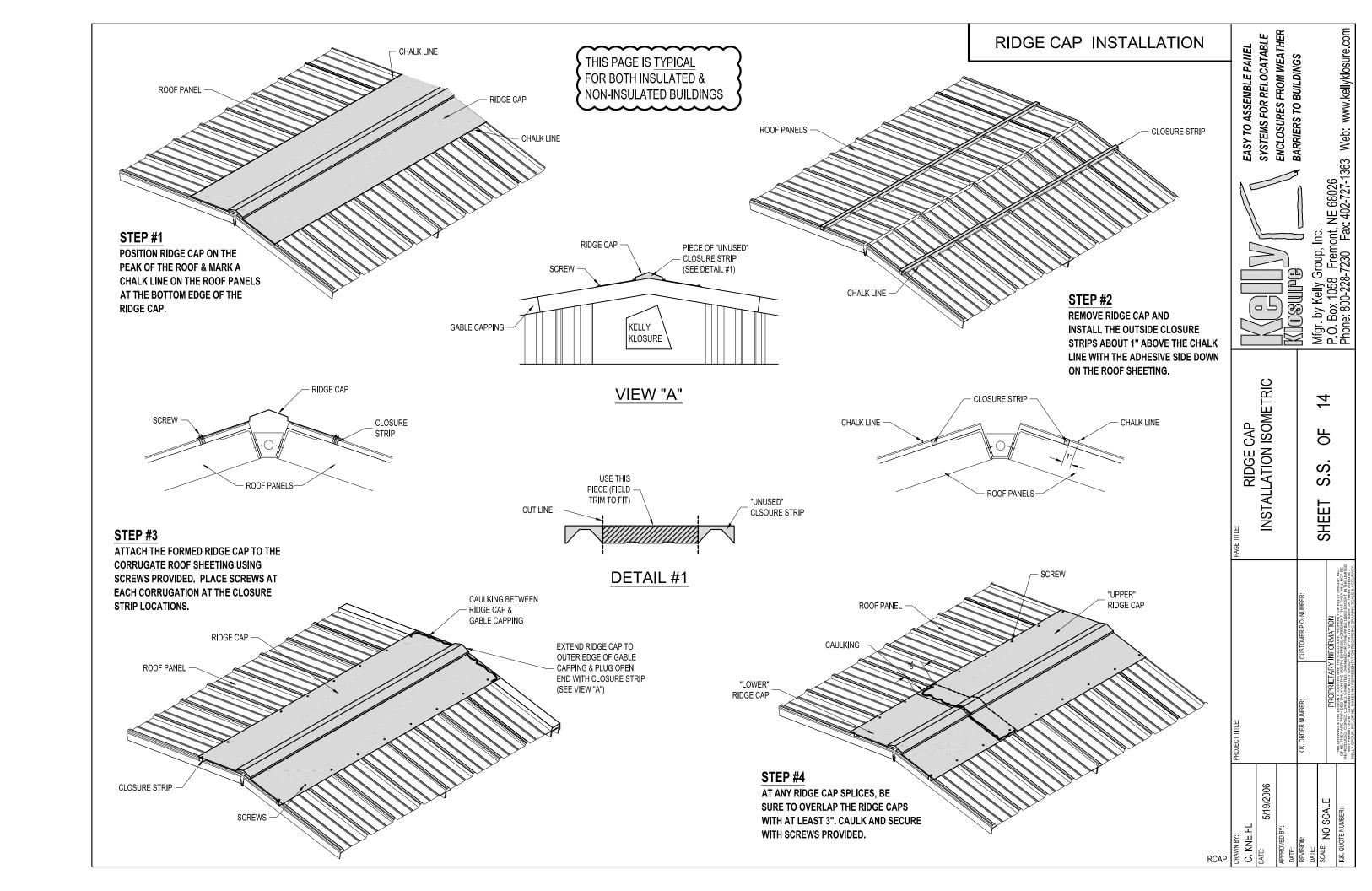
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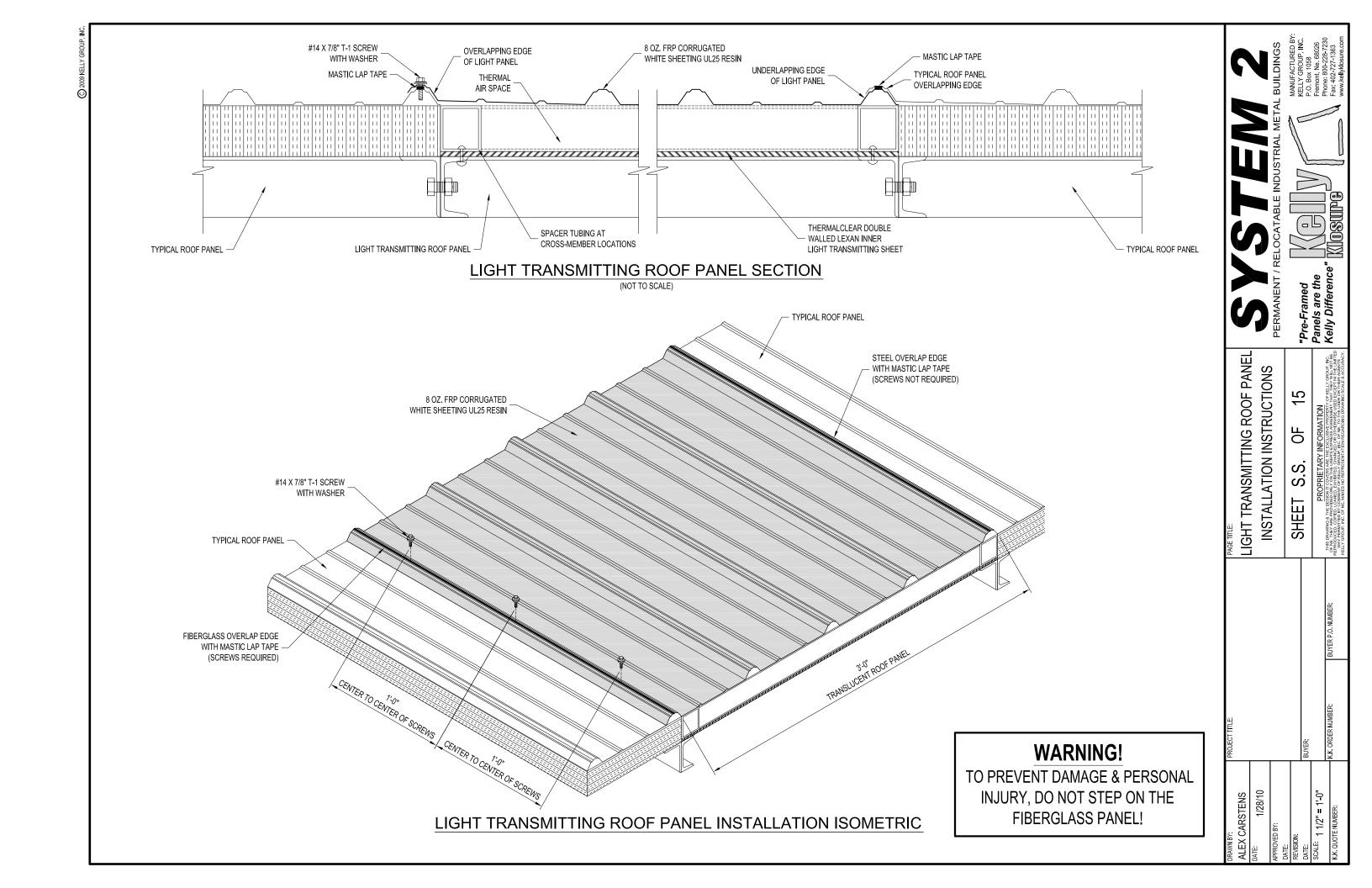
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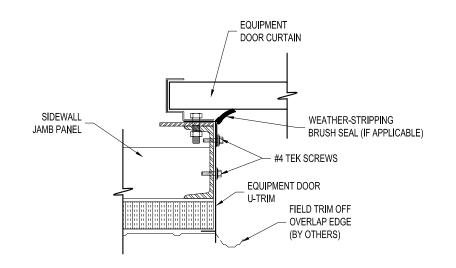


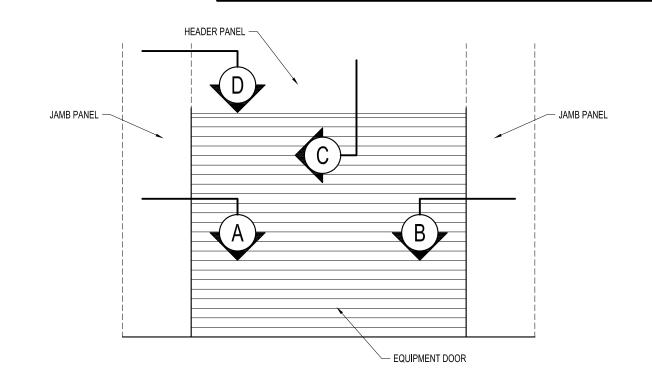




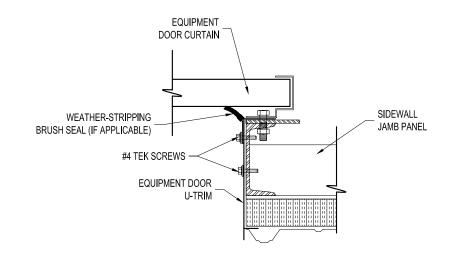


EQUIPMENT DOOR OPENING FLASHING

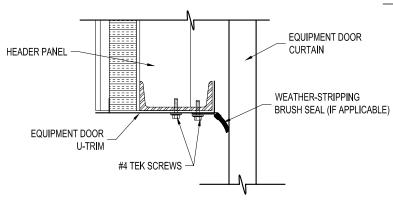




A SECTION AT LEFT JAMB PANEL



EQUIPMENT DOOR ELEVATION

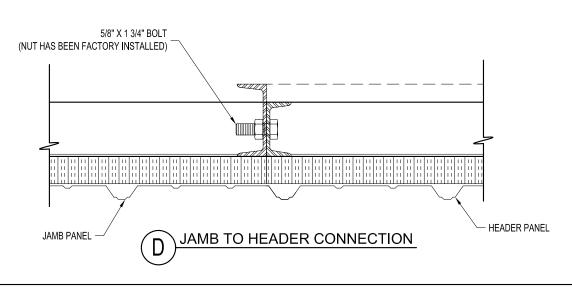


B SECTION AT RIGHT JAMB PANEL

TYPICAL SECTION AT HEADER PANEL

NOTES:

- 1. INSTALL BRUSHES AGAINST EQUIPMENT DOOR CURTAIN AS TO SLIGHTLY BEND BRUSH.
- 2. EQUIPMENT DOOR BRUSHES MAY NOT BE PROVIDED.
- 3. HEADER PANEL BOLTS TO JAMB PANELS USING 5/8" X 1 3/4" BOLT W/ NUTS.



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