

# TYLER BUILDING SYSTEMS CONSTRUCTION HANDBOOK



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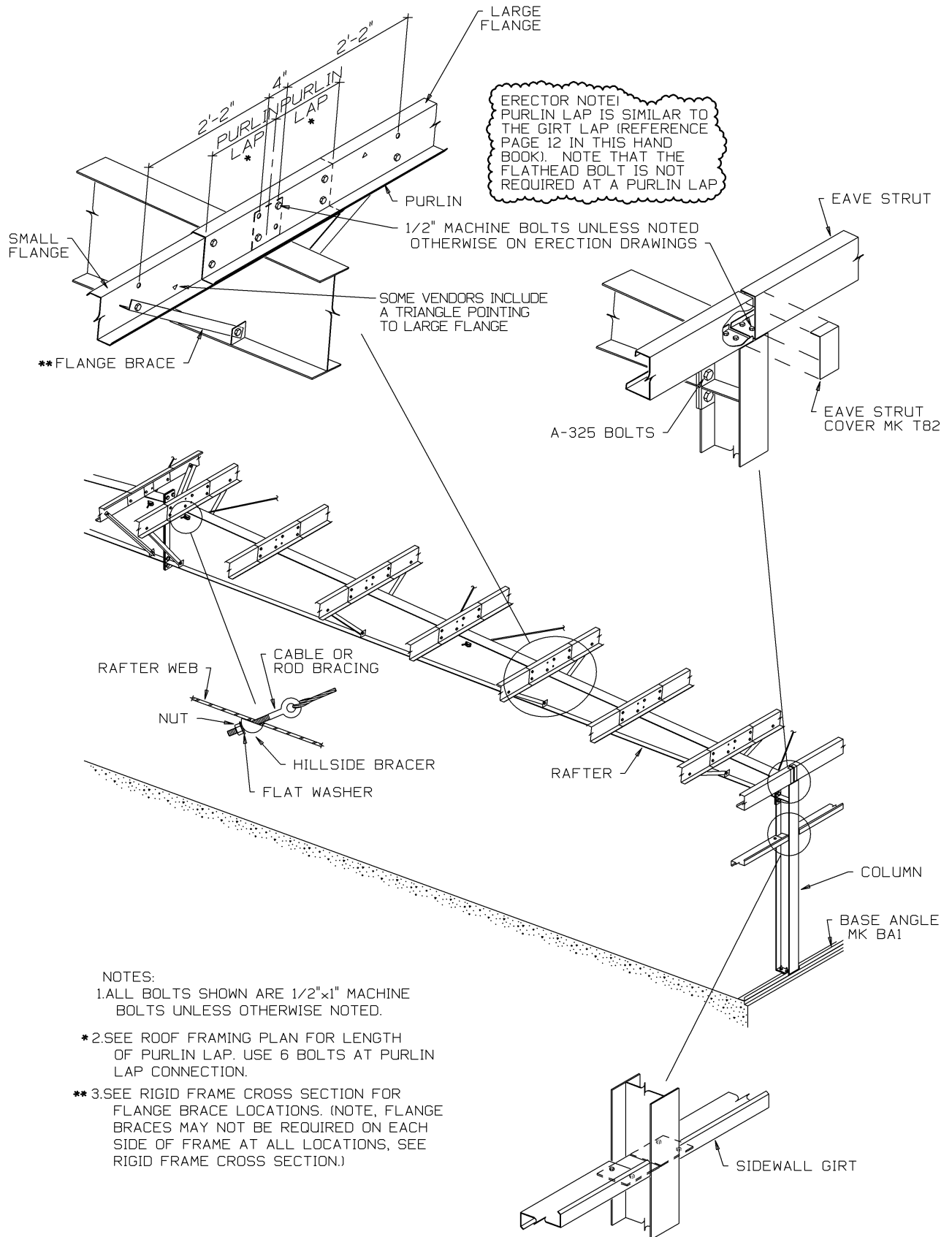
## NOTE:

The Construction Handbook depicts conditions and erection procedures for a standard building with a roof slope of 1:12. If there is a conflict between this manual and the erection drawings the erection drawings take precedence.

If there are any questions regarding proper erection procedures or installation of parts or materials you should contact:

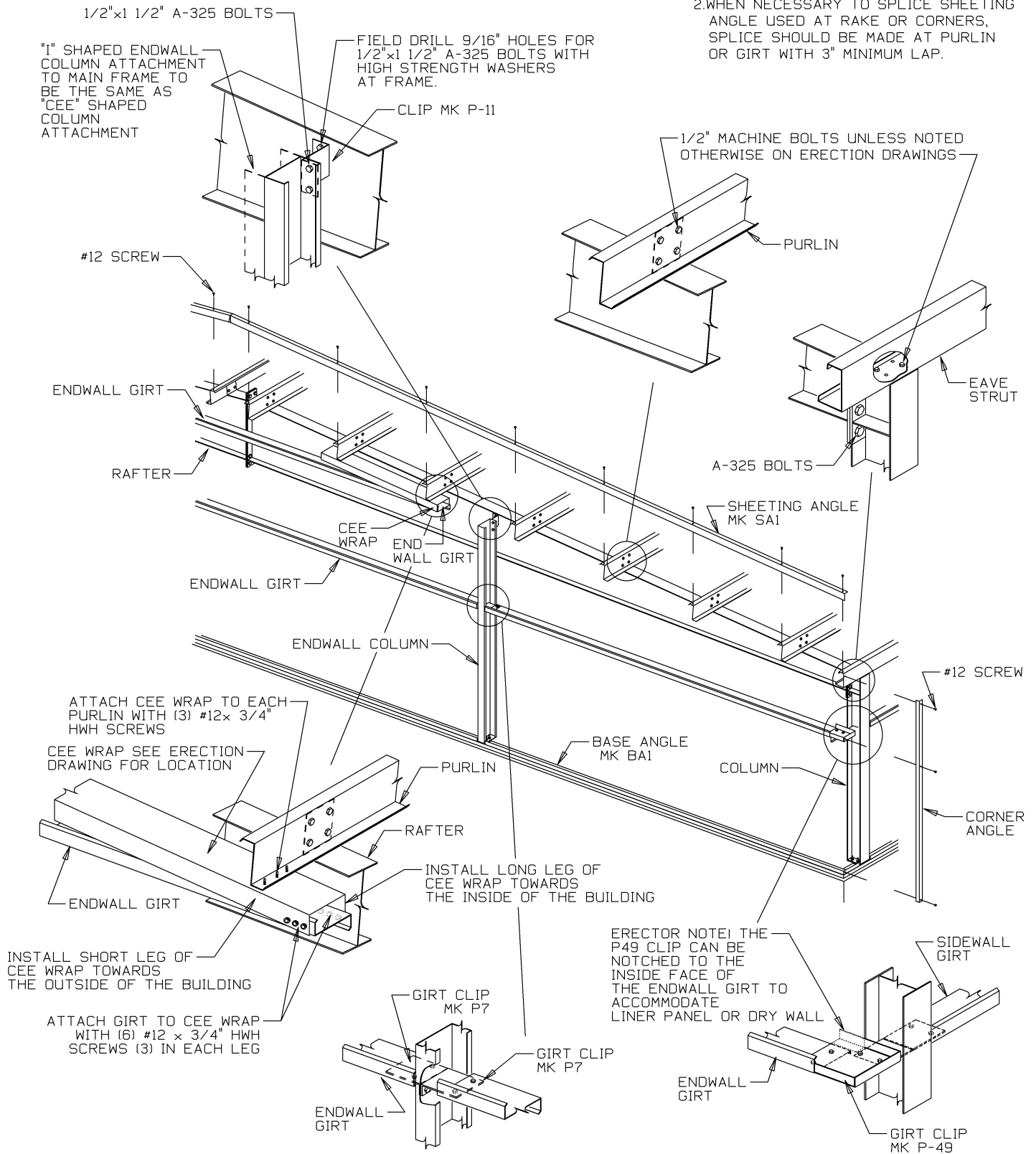
Tyler Building Systems, L.P.  
Customer Service Department  
Office: 903-561-3000 extension 212  
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Or Email: [custserv@tylerbuilding.com](mailto:custserv@tylerbuilding.com)





NOTES:

1. ALL BOLTS SHOWN ARE 1/2"x1" MACHINE BOLTS UNLESS OTHERWISE NOTED.
2. WHEN NECESSARY TO SPLICE SHEETING ANGLE USED AT RAKE OR CORNERS, SPLICE SHOULD BE MADE AT PURLIN OR GIRT WITH 3" MINIMUM LAP.

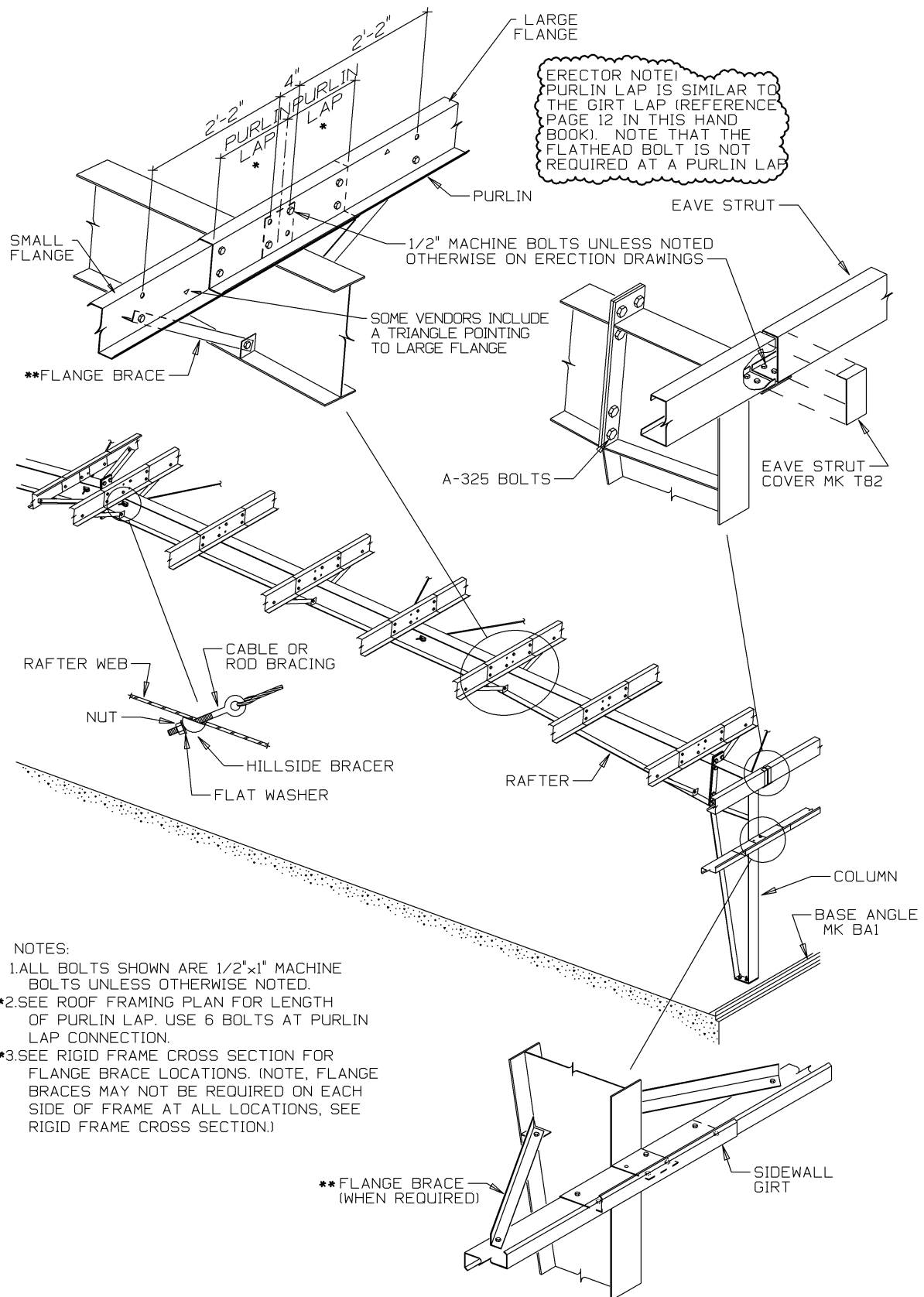


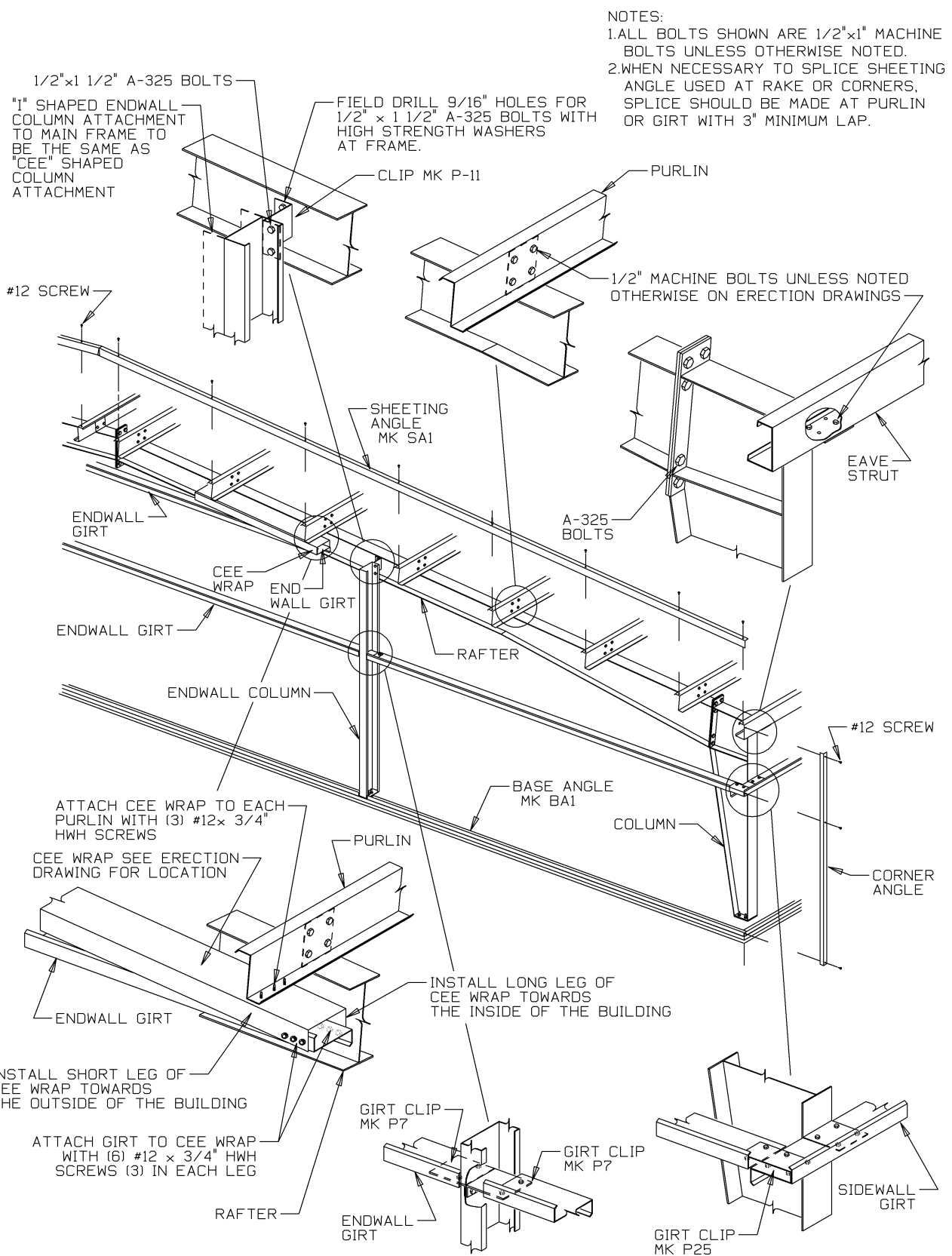
**ERECTION STANDARDS**

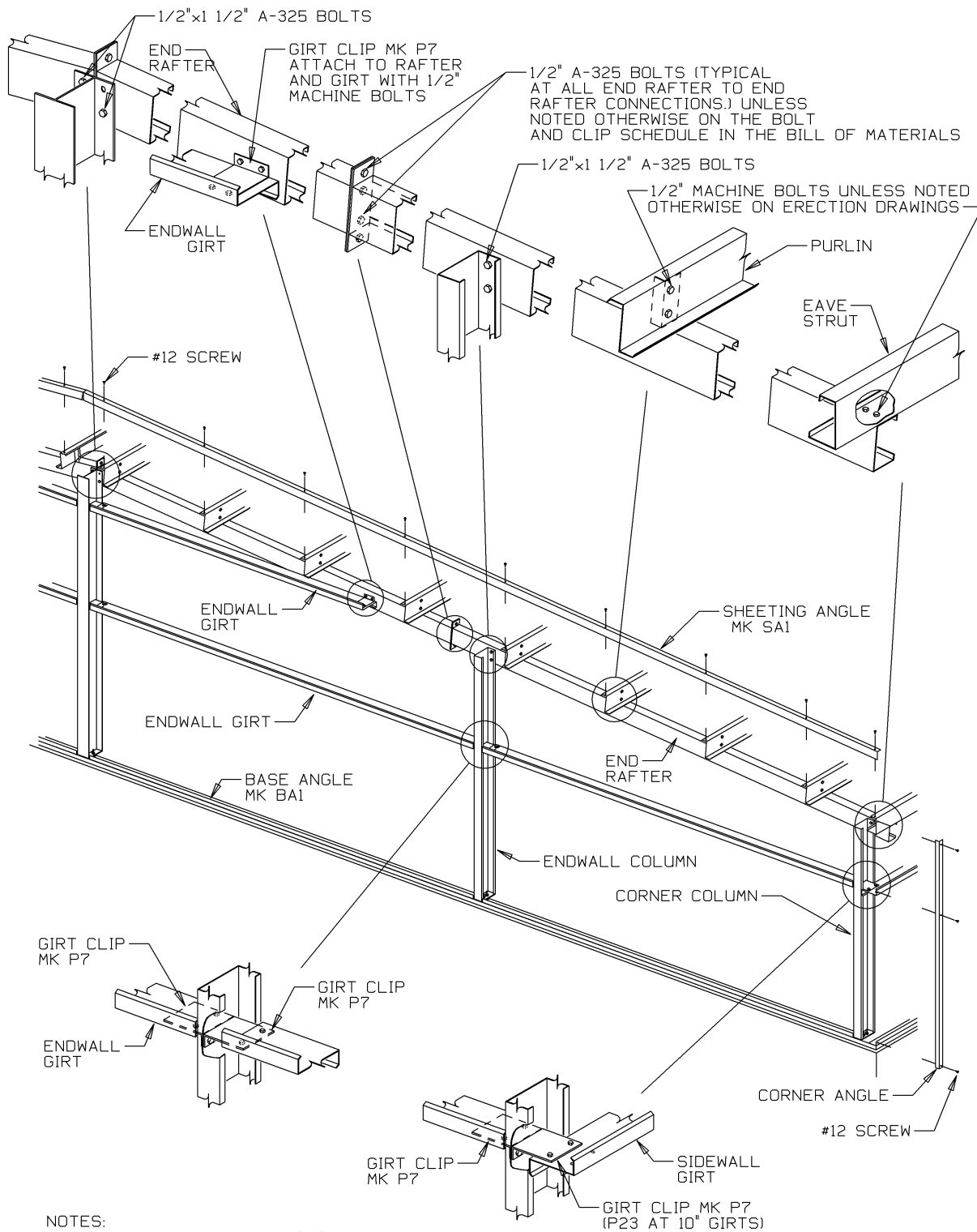
**Rigid End Frames With Flush Girts**

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- NOTES:
1. ALL BOLTS SHOWN ARE 1/2" x 1" MACHINE BOLTS UNLESS OTHERWISE NOTED.
  2. WHEN NECESSARY TO SPLICE SHEETING ANGLE USED AT RAKE OR CORNERS, SPLICE SHOULD BE MADE AT PURLIN OR GIRT WITH 3" MINIMUM LAP.

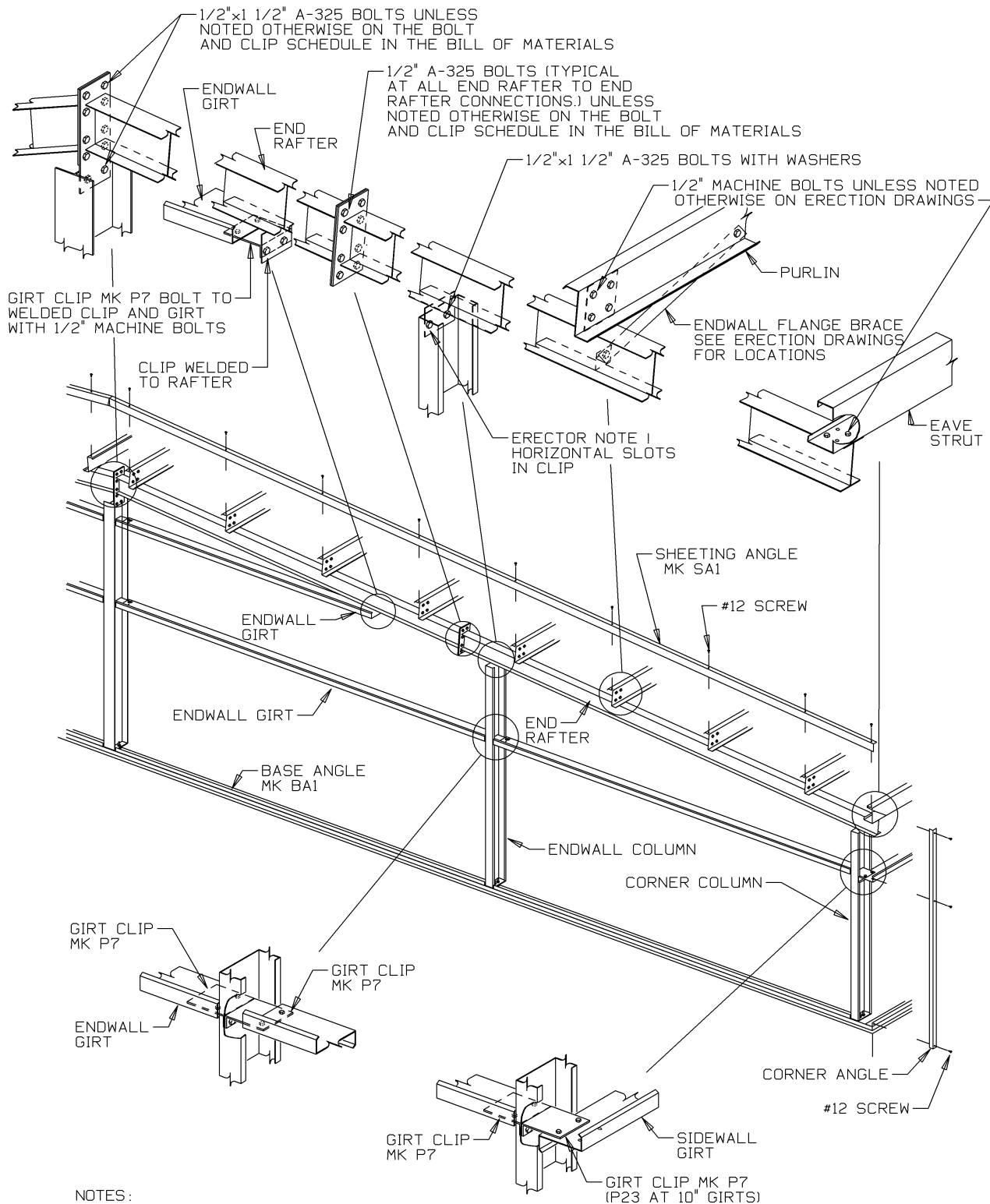


#### ERECTION STANDARDS

### Bearing Frame Cee Shaped End Rafter

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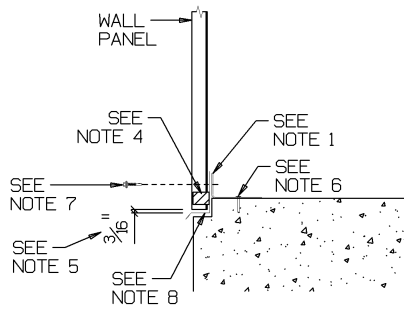
1. ALL BOLTS SHOWN ARE 1/2"x1" MACHINE BOLTS UNLESS OTHERWISE NOTED.
2. WHEN NECESSARY TO SPLICE SHEETING ANGLE USED AT RAKE OR CORNERS, SPLICE SHOULD BE MADE AT PURLIN OR GIRT WITH 3" MINIMUM LAP.



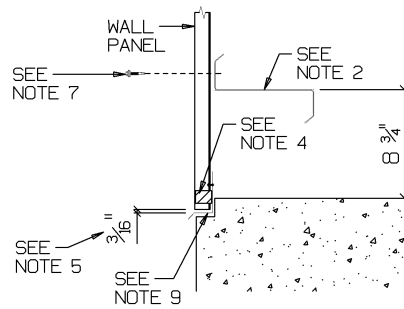
ERECTION STANDARDS

Bearing Frame I Shaped End Rafter

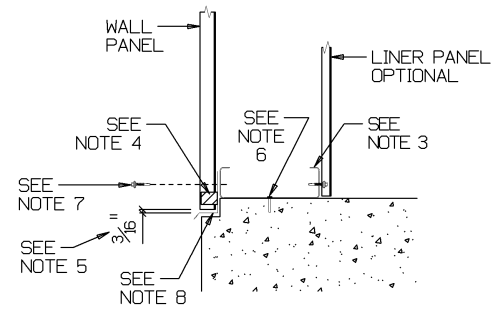
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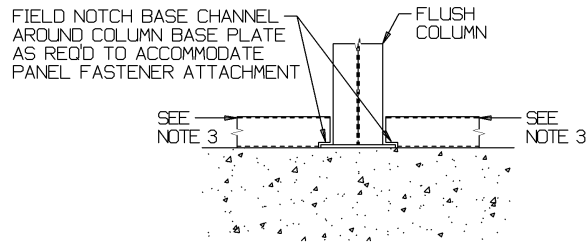
**BASE ANGLE**



**BASE GIRT**



**BASE CHANNEL**



**BASE CHANNEL MODIFICATION AT FLUSH COLUMN**

THIS CONDITION IS SIMILAR WHEN BASE ANGLE IS USED

ERECTOR NOTE! SEE PAGES 39-47  
FOR PANEL INSTALLATION

**GENERAL NOTES**

1. BASE ANGLE (STANDARD BASE CONDITION) FURNISHED IN 20'-0" STANDARD LENGTHS. BASE ANGLE SHOULD BE OMITTED AT OVERHEAD DOORS, AND PERSONNEL DOORS.
2. BASE GIRT (OPTIONAL) FURNISHED CONTINUOUS BETWEEN COLUMNS, MUST BE FIELD CUT AT PERSONNEL DOORS AND ALL FIELD LOCATED FRAMED OPENINGS.
3. BASE CHANNEL, USED WITH INTERIOR LINER PANELS, WILL BE FURNISHED IN REQUIRED LENGTHS BUT SOME MODIFICATIONS MAY BE REQUIRED (SEE SECTION AT FLUSH COLUMN INDICATED ABOVE). OMIT BASE CHANNEL AT OVERHEAD DOORS, AND PERSONNEL DOORS.
4. INSIDE CLOSURE WILL BE PROVIDED ONLY IF THE BUILDING IS UN-INSULATED OR SPRAY-FOAM INSULATION WILL BE USED. CLOSURES ARE PROVIDED AT ALL BASE CONDITIONS AT THE PERIMETER OF BUILDING .
5. IN ORDER TO MAINTAIN THE WARRANTY, THE WALL PANELS MUST MAINTAIN  $\frac{3}{16}$ " (MINIMUM) CLEARANCE FROM BEARING ON THE BOTTOM OF THE SHEETING NOTCH OR BASE FLASHING.
6. NAIL-IN ANCHORS FOR ATTACHMENT OF BASE ANGLE, OR BASE CHANNEL TO CONCRETE SHOULD BE INSTALLED AT 2'-6" CENTERS. FIELD DRILLING OF THE BASE ANGLE OR BASE CHANNEL WILL BE REQUIRED.
7. PANEL FASTENER USAGE WILL BE LISTED IN THE REMARKS COLUMN ON THE BILL OF MATERIALS. FASTENER SPACING IS INDICATED ON PAGES 42-44.
8. BASE FLASHING IS OPTIONAL, AND WILL NOT BE SUPPLIED UNLESS NOTED ON THE ERECTION DRAWINGS. BASE FLASHING IS TEMPORARILY ANCHORED TO BASE ANGLE OR BASE CHANNEL WITH POP-RIVETS OR #12x $\frac{3}{4}$ " HWH SCREWS AT 5'-0" CENTERS BEFORE THE WALL PANELS ARE INSTALLED.
9. BASE FLASHING IS OPTIONAL, AND WILL NOT BE SUPPLIED UNLESS NOTED ON THE ERECTION DRAWINGS. BASE FLASHING WILL BE ATTACHED TO THE WALL PANEL WITH POP-RIVETS OR  $\frac{1}{4}$  x  $\frac{5}{8}$ " HWH SCREWS AT 2'-0" ON CENTER AT THE BASE GIRT CONDITION.

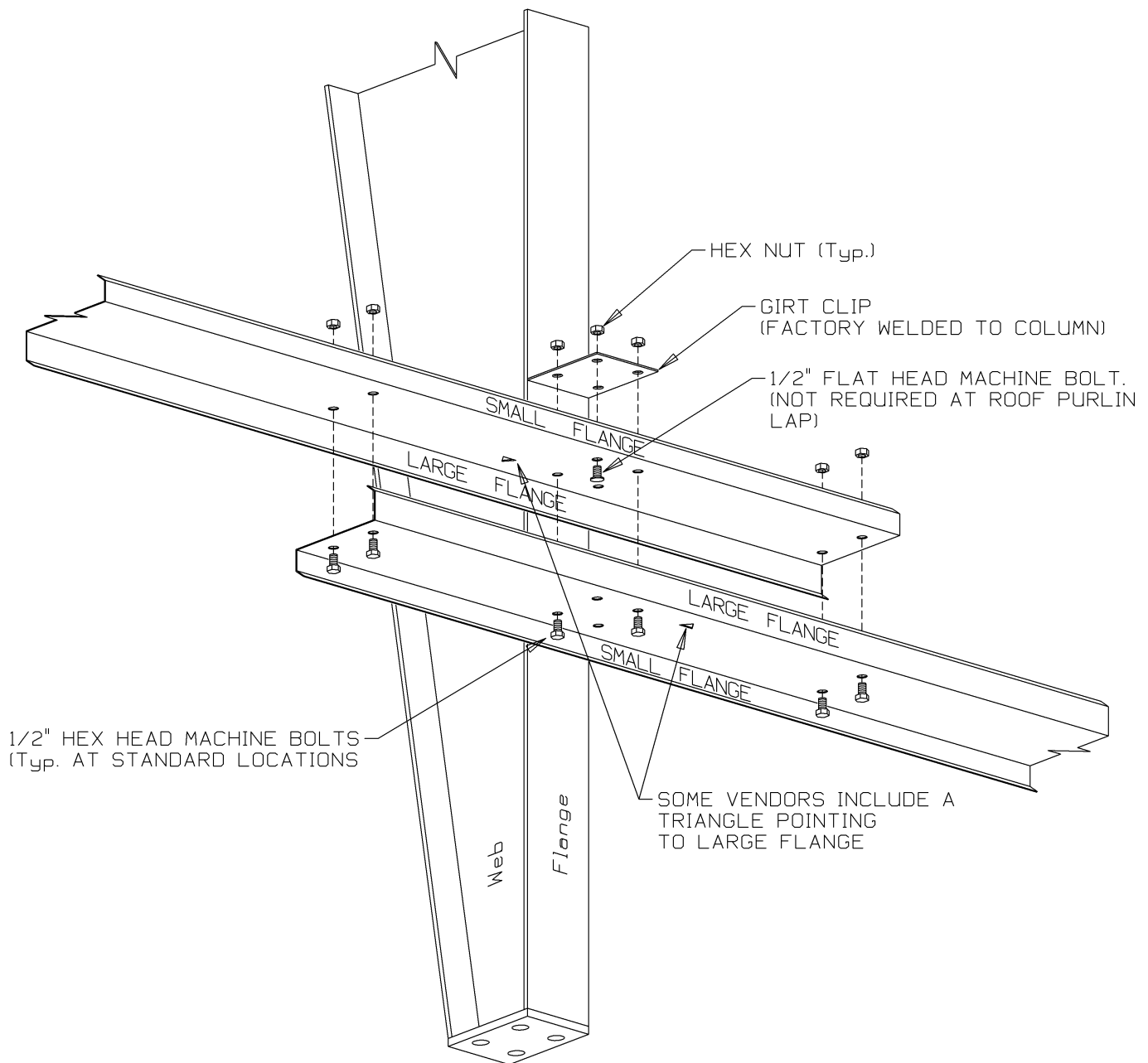


**ERECTION STANDARDS**

**Base Conditions**

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NOTES:

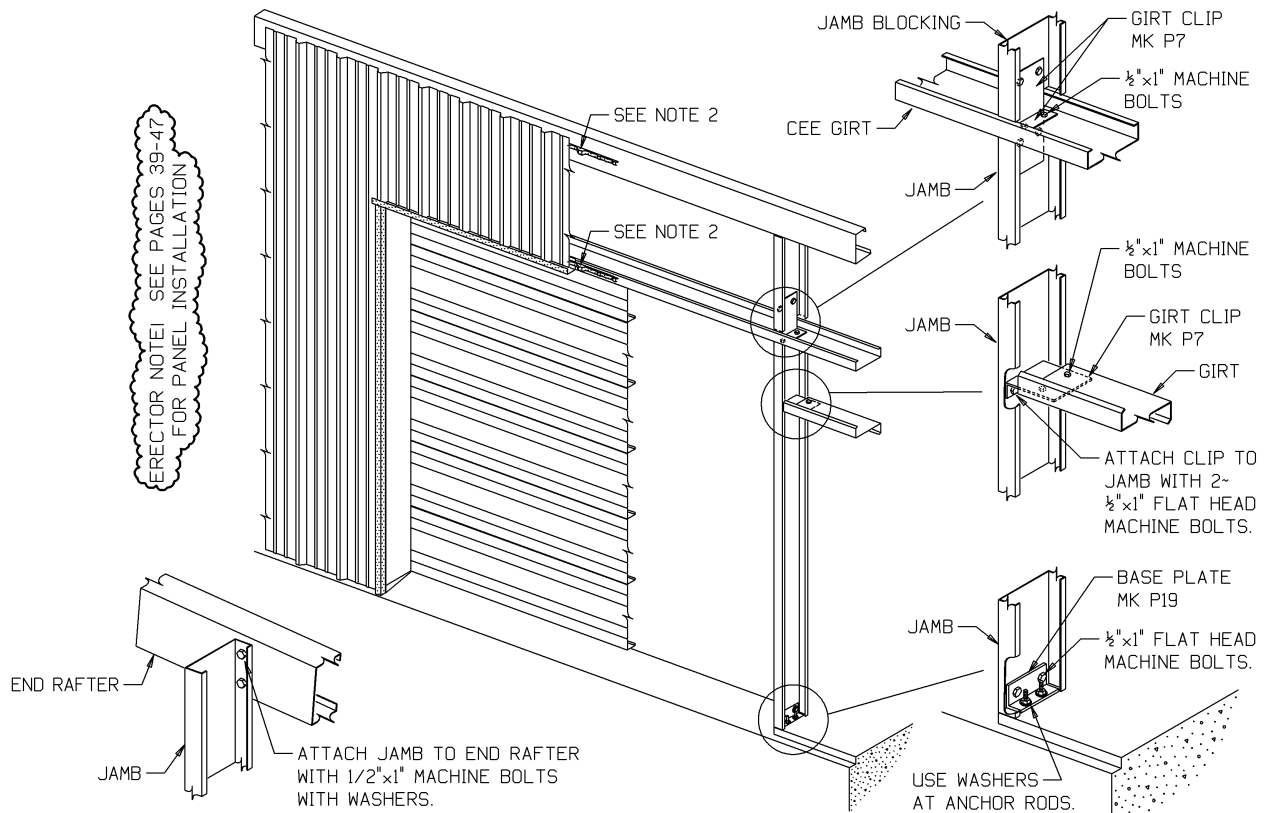
THE FLAT HEAD MACHINE BOLT ALLOWS SUPPORT OF THE FIRST GIRT TO THE COLUMN WHILE THE SECOND GIRT IS BEING NESTED WITH THE FIRST GIRT AND ATTACHED. (NOT REQUIRED AT ROOF PURLIN LAP)

THE GIRT ATTACHED WITH THE FLAT HEAD MACHINE BOLT MUST BE INSTALLED WITH THE LARGE FLANGE AGAINST THE OUTSIDE FLANGE OF THE COLUMN AND MUST BE INSTALLED IN ALTERNATING BAYS FOR THE GIRTS TO NEST.

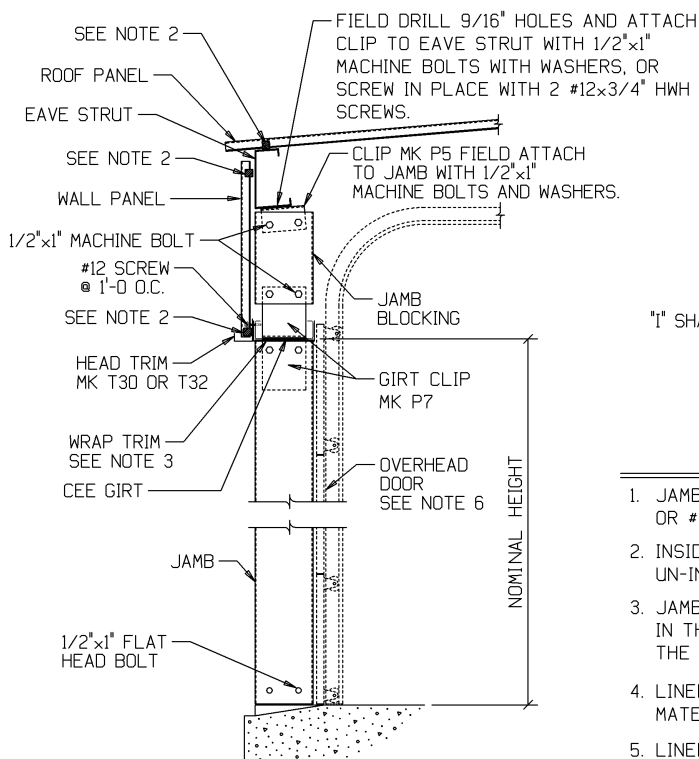
THE FLAT HEAD WILL BE SANDWICHED BETWEEN GIRTS WHEN THE CONNECTION IS COMPLETE

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	Lapped Girts	

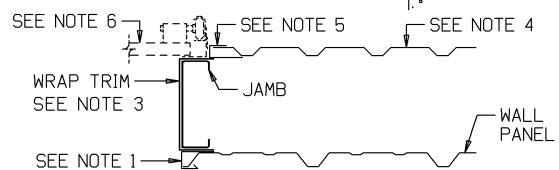




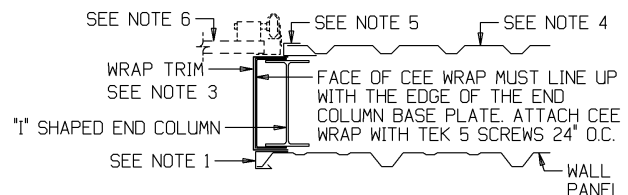
#### JAMB CONNECTION AT ENDWALL



#### VERTICAL SECTION THRU DOOR OPENING AT SIDEWALL



#### SECTION AT CEE SHAPED JAMB



#### SECTION AT CEE WRAPPED "I" SHAPED END COLUMN

#### GENERAL NOTES

1. JAMB TRIM MK T31 OR T33 FASTEN TO JAMB WITH POP-RIEVETS OR #8 METAL LATH SCREWS 3'-0" O.C.
2. INSIDE CLOSURE WILL BE PROVIDED ONLY IF THE BUILDING IS UN-INSULATED OR SPRAY-IN INSULATION WILL BE USED.
3. JAMB AND HEADER WRAP TRIM IS ONLY SUPPLIED WHEN SPECIFIED IN THE BILL OF MATERIALS. THIS TRIM SHOULD BE POP-RIEVETED TO THE JAMB AND HEADER BEFORE WALL PANEL INSTALLATION.
4. LINER PANELS ARE ONLY SUPPLIED WHEN INDICATED IN THE BILL OF MATERIALS OR ERECTION DRAWINGS.
5. LINER JAMB TRIM WILL ONLY BE SUPPLIED WHEN LINER PANELS ARE PRESENT. ATTACH THE TRIM TO GIRT AND BASE CHANNEL WHEN REQUIRED. SEE ERECTION DRAWINGS FOR TRIM PIECE MARK.
6. OVERHEAD DOORS WILL BE SUPPLIED BY BUYER UNLESS THEY ARE SPECIFIED IN THE BILL OF MATERIALS.

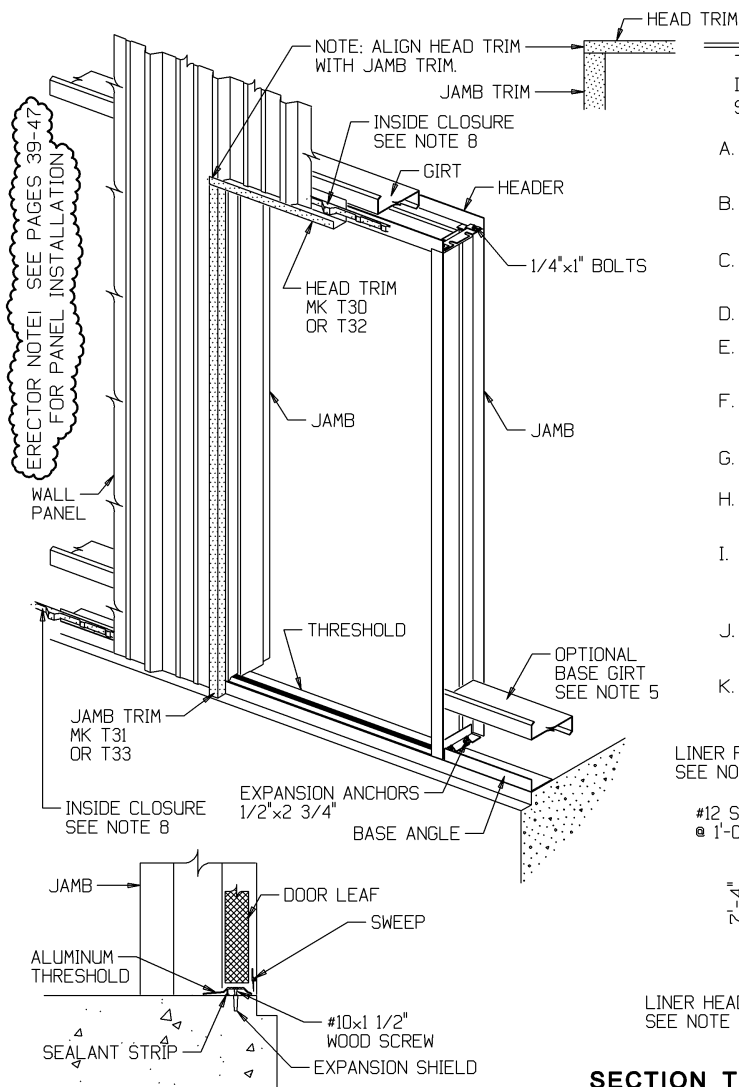


#### ERECTION STANDARDS

### Overhead Door Openings

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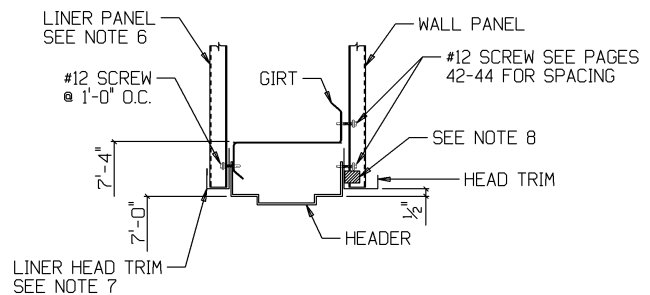
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## INSTALLATION PROCEDURE:

THE FOLLOWING INSTALLATION PROCEDURE IS FOR INSTALLING A DOOR UNDER STANDARD CONDITIONS. SEE PAGE 15 IF GIRTS ARE REQUIRED BELOW 7'-2".

- ASSEMBLE THE DOOR FRAME. ATTACH HEADER TO JAMB WITH FOUR 1/4"x1" BOLTS.
- SET FRAME IN PLACE, PLUMB HINGE JAMB AND ANCHOR TO FOUNDATION.
- ATTACH HEADER TO GIRT WITH #12 SCREWS @ 1'-0" O.C.
- HANG THE DOOR LEAF.
- ADJUST STRIKER JAMB TO CORRECT POSITION AND ANCHOR TO FOUNDATION.
- ATTACH HEAD AND JAMB TRIM TO DOOR FRAME WITH #8 METAL LATH SCREWS.
- SEE PAGE 15 WHEN BASE GIRT IS USED.
- INSTALL THE LOCKSET USING THE INSTRUCTIONS INCLUDED WITH THE LOCKSET.
- FIELD NOTCHED THRESHOLD AND ATTACH TO FLOOR USING #10 WOOD SCREWS AND EXPANSION SHIELDS. CAULK THRESHOLD IF REQUIRED.
- ATTACH SWEEP TO DOOR LEAF WITH SHEET METAL SCREWS.
- INSTALL WEATHER STRIPPING

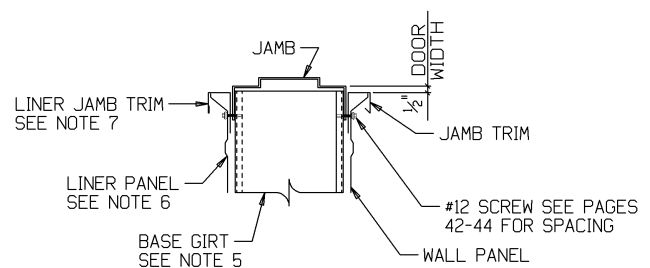


## SECTION THROUGH PERSONNEL DOOR HEADER

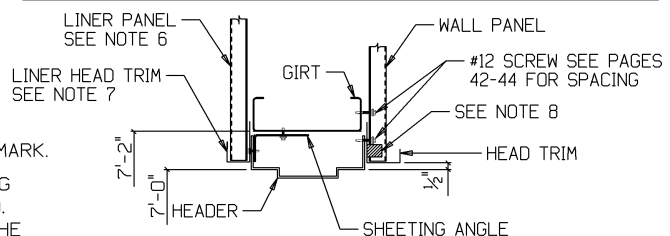
## DOOR SECTION THRU THRESHOLD

### GENERAL NOTES

- PERSONNEL DOORS SHOULD BE FIELD LOCATED BEFORE WALL PANEL INSTALLATION.
- BECAUSE OF WEATHER TIGHTNESS CONCERNS IT IS RECOMMENDED THAT PERSONEL DOORS ARE INSTALLED IN A SWING OUT POSITION.
- DOOR FRAMES ARE SHIPPED UNASSEMBLED FOR FIELD ASSEMBLY.
- GLASS AND PUTTY FOR GLAZING ARE NOT FURNISHED BY TYLER BUILDING SYSTEMS, L.P. UNLESS INDICATED ON THE BILL OF MATERIALS.
- WHEN OPTIONAL BASE GIRT IS USED BASE ANGLE IS NOT FURNISHED.
- LINER PANELS ARE ONLY SUPPLIED WHEN INDICATED IN THE BILL OF MATERIALS OR ERECTION DRAWINGS.
- LINER TRIM WILL BE SUPPLIED ONLY WHEN LINER PANELS ARE PRESENT. SEE ERECTION DRAWINGS FOR TRIM PIECE MARK.
- INSIDE CLOSURE WILL BE PROVIDED ONLY IF THE BUILDING IS UN-INSULATED OR SPRAY-IN INSULATION WILL BE USED. CLOSURES ARE PROVIDED AT ALL BASE CONDITIONS AT THE PERIMETER OF BUILDING.



## SECTION THROUGH PERSONNEL DOOR JAMB



## SECTION THROUGH PERSONNEL DOOR HEADER

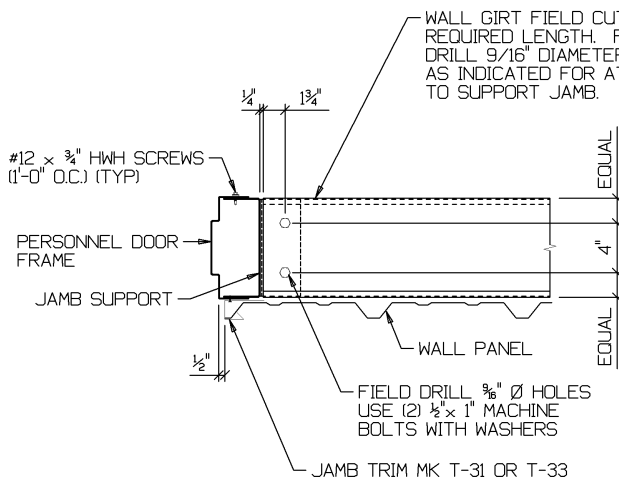
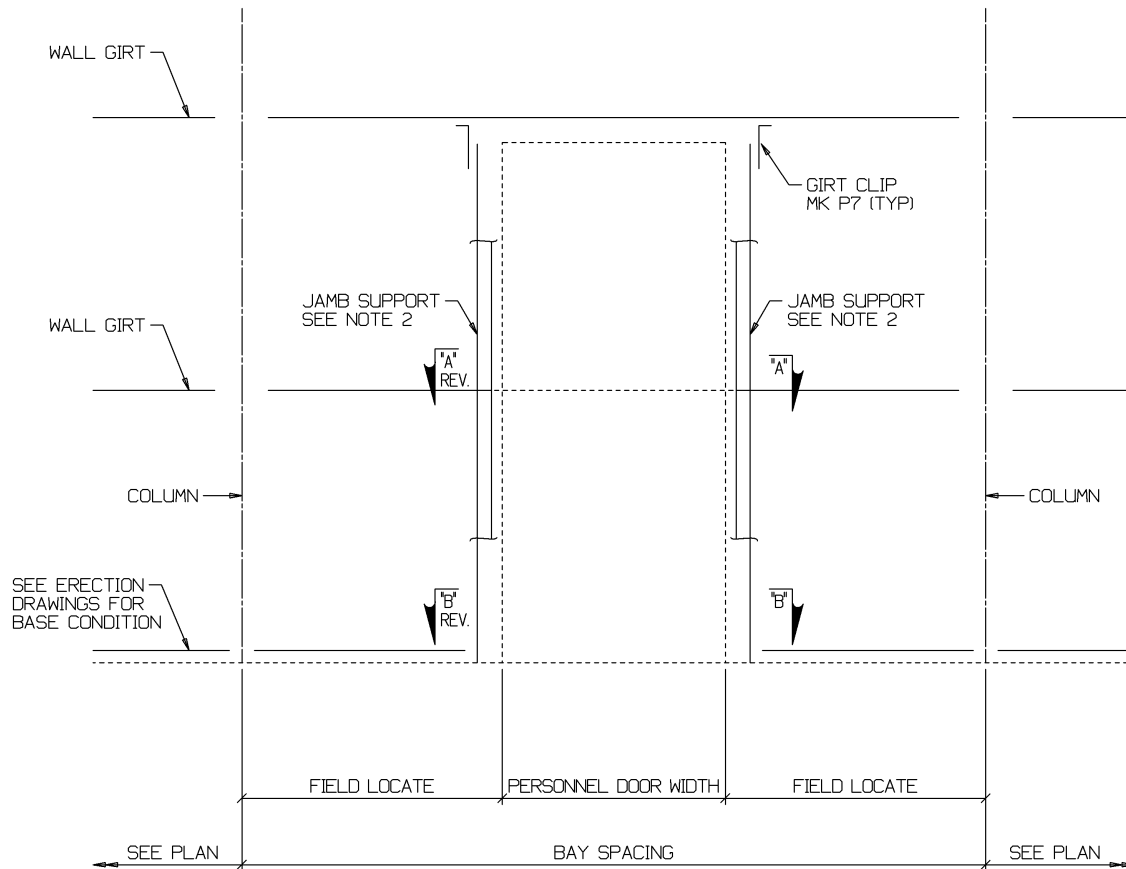


### ERECTION STANDARDS

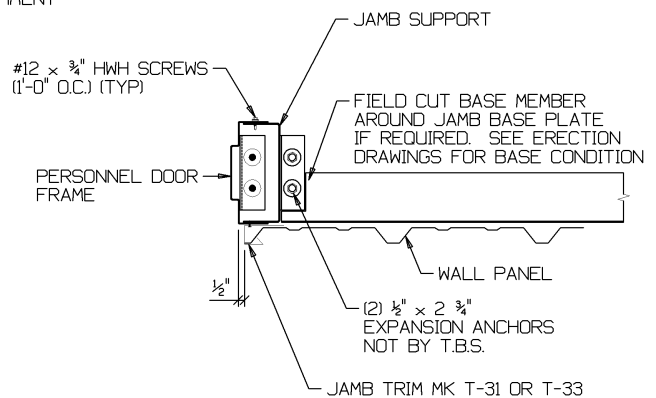
## Personnel Doors

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**SECTION "A"**



**SECTION "B"**

**GENERAL NOTES**

1. REFER TO PAGE 14 FOR STANDARD PERSONNEL DOOR INSTALLATION INSTRUCTIONS.

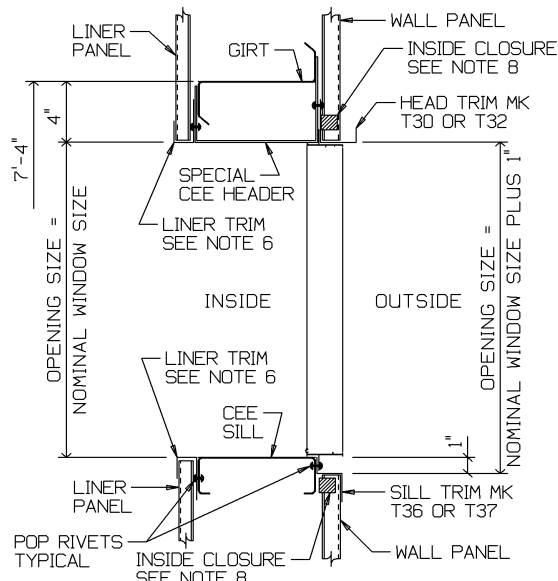
2. JAMB SUPPORTS ARE NOT REQUIRED UNLESS NOTED ON THE ERECTION DRAWINGS.



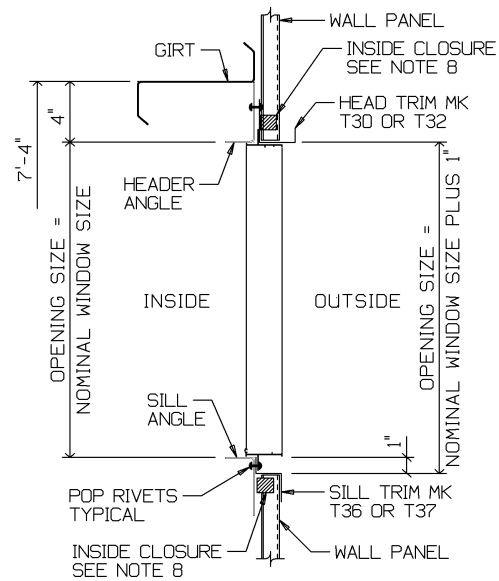
**ERECTION STANDARDS**

**Personnel Doors**

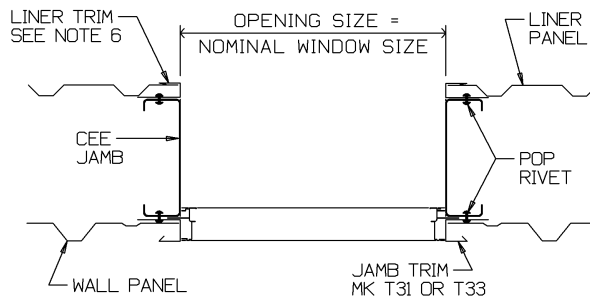
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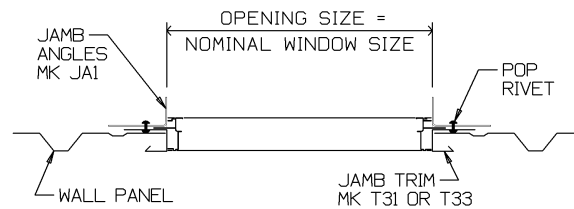
**VERTICAL SECTION THRU WINDOW WITH LINER PANEL**



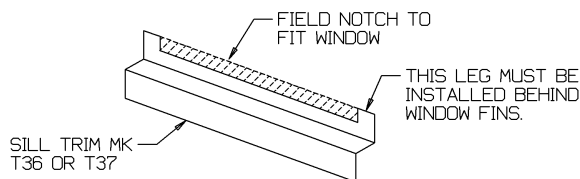
**VERTICAL SECTION THRU WINDOW**



**HORIZONTAL SECTION THRU WINDOW WITH LINER PANEL**



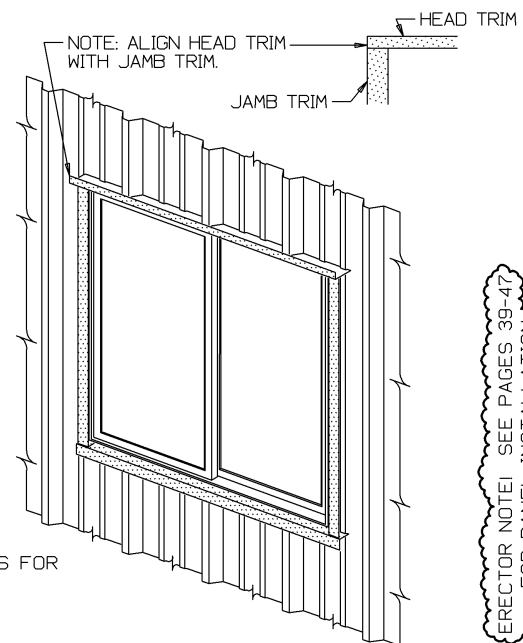
**HORIZONTAL SECTION THRU WINDOW**



**SILL TRIM FIELD MODIFICATION DETAIL**

#### GENERAL NOTES

1. FIELD CUT HEADER AND SILL ANGLES FROM STOCK LENGTHS TO FORM FRAMED OPENING FOR WINDOW. (NOT REQ'D. FOR WINDOWS WITH 8x2½C FRAMES)
2. ATTACH WINDOW TO FRAMED OPENING WITH POP RIVETS.
3. ATTACH TRIM AROUND WINDOW WITH POP RIVETS. SILL TRIM MK T36 OR T37 TO BE FIELD NOTCHED AROUND WINDOW. (SEE DETAIL) VERTICAL LEG MUST BE INSTALLED BEHIND WINDOW FINS.
4. CAULK WINDOW TO TRIM JOINT, ALL AROUND. (OPTIONAL)
5. INSTALL WALL PANELS AROUND WINDOW.
6. IF BUILDING HAS LINER PANELS, INSTALL LINER TRIM AND PANELS SIMILAR TO EXTERIOR. SEE ERECTION DRAWINGS FOR TRIM PIECE MARKS.
7. FOR RETROFIT INSTALLATION, REMOVE WALL PANELS AS REQ'D. AND PROCEED TO NOTE 1.
8. INSIDE CLOSURE WILL BE PROVIDED ONLY IF THE BUILDING IS UN-INSULATED OR SPRAY-IN INSULATION WILL BE USED.

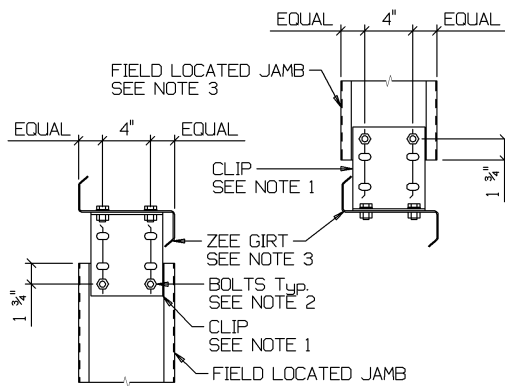


ERECTOR NOTE! SEE PAGES 39-47 FOR PANEL INSTALLATION

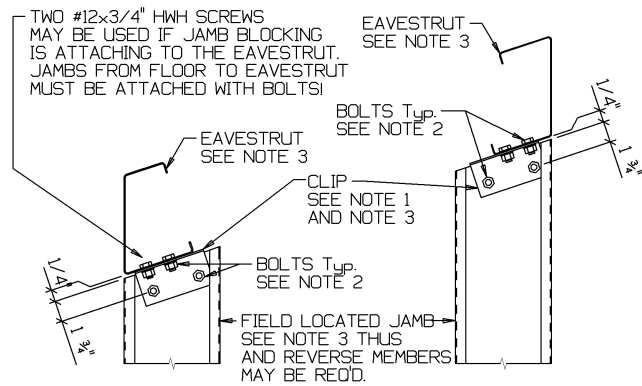


#### ERECTION STANDARDS

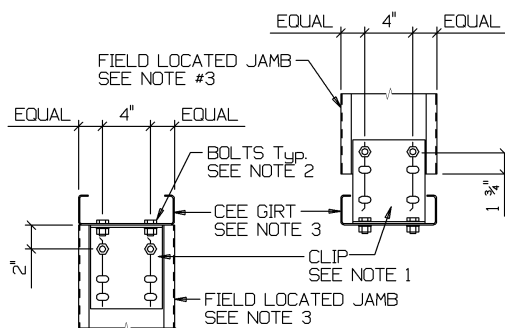
### Window Openings



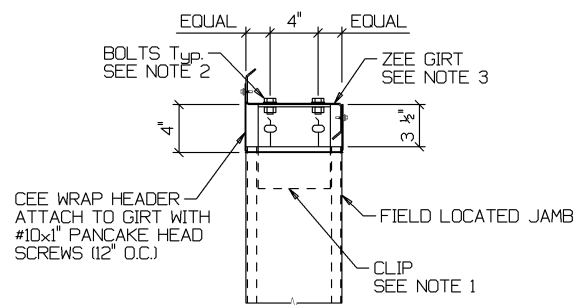
**TYPICAL SECTION AT FIELD LOCATED JAMB TO ZEE GIRT**



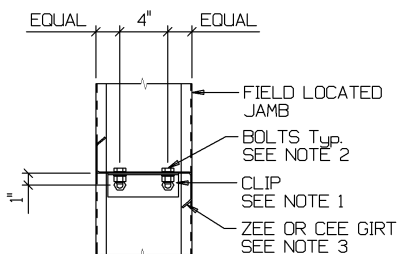
**TYPICAL SECTION AT FIELD LOCATED JAMB TO EAVESTRUT**



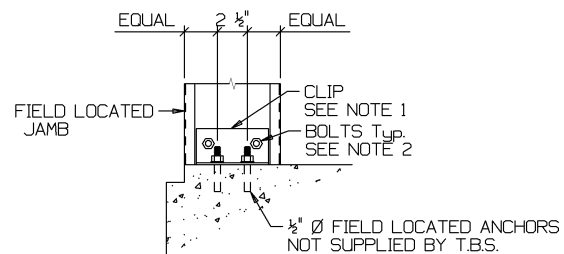
**TYPICAL SECTION AT FIELD LOCATED JAMB TO CEE GIRT**



**TYPICAL SECTION AT FIELD LOCATED CEE WRAP HEADER**



**TYPICAL SECTION AT WALL GIRT TO FIELD LOCATED JAMB**



**TYPICAL SECTION AT FIELD LOCATED JAMB TO CONCRETE**

#### GENERAL NOTES

- IF ERECTION DRAWINGS INDICATE A CLIP, THE CLIP WILL BE SHIPPED LOOSE, AND WILL REQUIRE FIELD BOLTING. IF A CLIP IS NOT INDICATED ON THE ERECTION DRAWINGS, THE CLIP WILL BE SHOP WELDED IN PLACE.
- ALL BOLTS ARE 1/2" Ø MACHINE BOLTS UNLESS NOTED OTHERWISE. 1/2" Ø FLATHEAD BOLTS SHOULD BE USED IF BOLT HEAD IS INSIDE OF THE CLEAR OPENING. WASHERS ARE REQUIRED AT ALL SLOTS AND FIELD DRILLED HOLES. BOLTS ARE NOT REQUIRED IF CLIP IS SHOP WELDED.
- FIELD MODIFY COMPONENT AS REQUIRED. FIELD CUTTING TO LENGTH, AND FIELD DRILLING OF 9/16" Ø HOLES MAY BE REQUIRED.
- BUYER SHOULD CONTACT THE GENERAL CONTRACTOR OR END USER TO DETERMINE OPENING LOCATIONS. IF YOUR OPENING REQUIRES MODIFICATIONS NOT INDICATED IN THE CONSTRUCTION HANDBOOK REFERENCE THE ERECTION DRAWINGS FOR FURTHER INSTRUCTION. CONTACT TYLER BUILDING SYSTEMS L.P. BEFORE PERFORMING ANY FIELD WORK NOT INDICATED IN THE ERECTION DRAWINGS OR THIS CONSTRUCTION HANDBOOK.

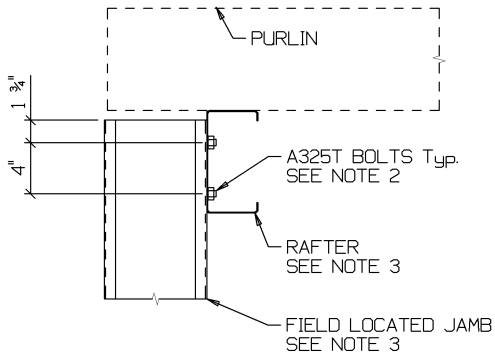


#### ERECTION STANDARDS

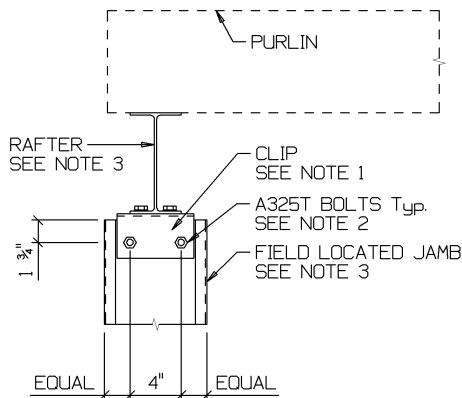
### Field Located Openings

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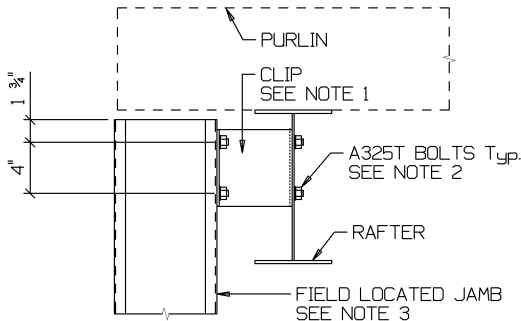
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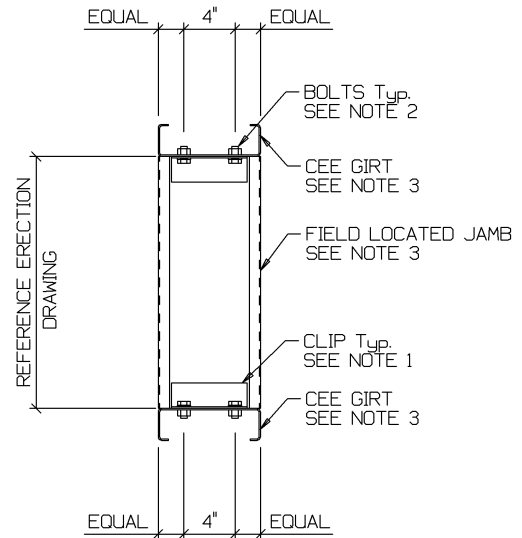
**TYPICAL SECTION AT FIELD LOCATED JAMB TO CEE RAFTER**



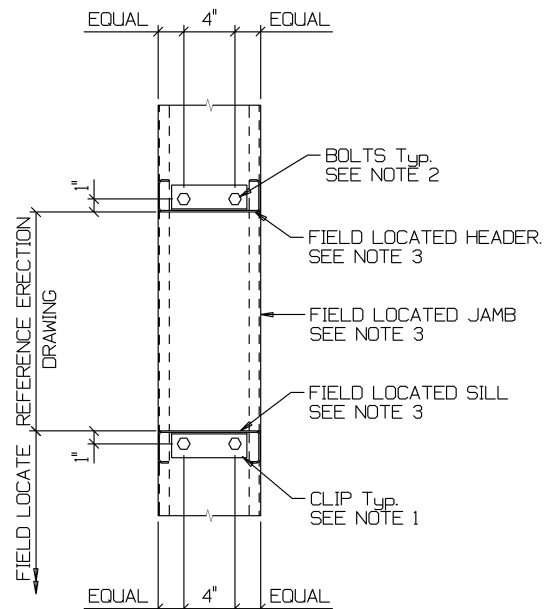
**TYPICAL SECTION AT FIELD LOCATED JAMB TO HOT-ROLL RAFTER**



**TYPICAL SECTION AT FIELD LOCATED JAMB TO RIGID FRAME RAFTER**



**TYPICAL SECTION AT FIELD LOCATED JAMB BETWEEN GIRTS**



**TYPICAL SECTION AT FIELD LOCATED HEADER & SILL**

#### GENERAL NOTES

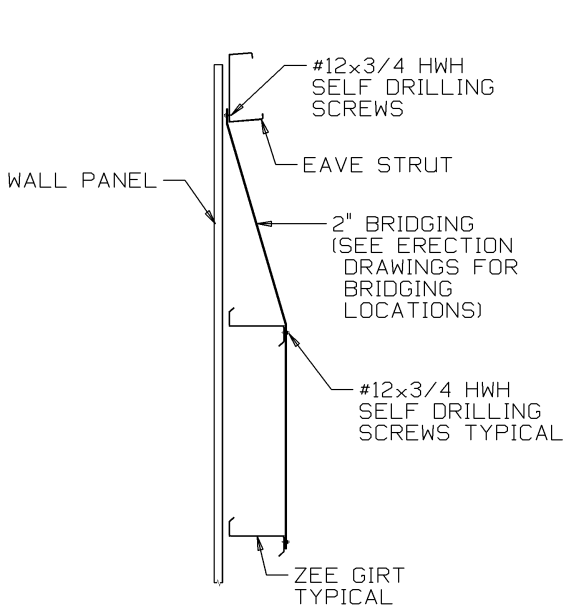
1. IF ERECTION DRAWINGS INDICATE A CLIP, THE CLIP WILL BE SHIPPED LOOSE, AND WILL REQUIRE FIELD BOLTING. IF A CLIP IS NOT INDICATED ON THE ERECTION DRAWINGS, THE CLIP WILL BE SHOP WELDED IN PLACE.
2. ALL BOLTS ARE 1/2" Ø MACHINE BOLTS UNLESS NOTED OTHERWISE. 1/2" Ø FLATHEAD BOLTS SHOULD BE USED IF BOLT HEAD IS INSIDE OF THE CLEAR OPENING. WASHERS ARE REQUIRED AT ALL SLOTS AND FIELD DRILLED HOLES. BOLTS ARE NOT REQUIRED IF CLIP IS SHOP WELDED
3. FIELD MODIFY COMPONENT AS REQUIRED. FIELD CUTTING TO LENGTH, AND FIELD DRILLING OF 9/16" Ø HOLES MAY BE REQUIRED.
4. BUYER SHOULD CONTACT THE GENERAL CONTRACTOR OR END USER TO DETERMINE OPENING LOCATIONS. IF YOUR OPENING REQUIRES MODIFICATIONS NOT INDICATED IN THE CONSTRUCTION HANDBOOK, REFERENCE THE ERECTION DRAWINGS FOR FURTHER INSTRUCTION. CONTACT TYLER BUILDING SYSTEMS L.P. BEFORE PERFORMING ANY FIELD WORK NOT INDICATED IN THE ERECTION DRAWINGS OR THIS CONSTRUCTION HANDBOOK.



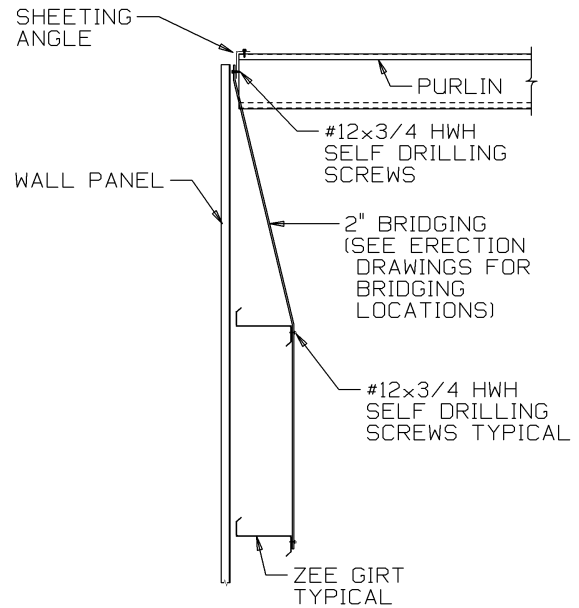
#### ERECTION STANDARDS

### Field Located Openings

**PAGE**  
**18**

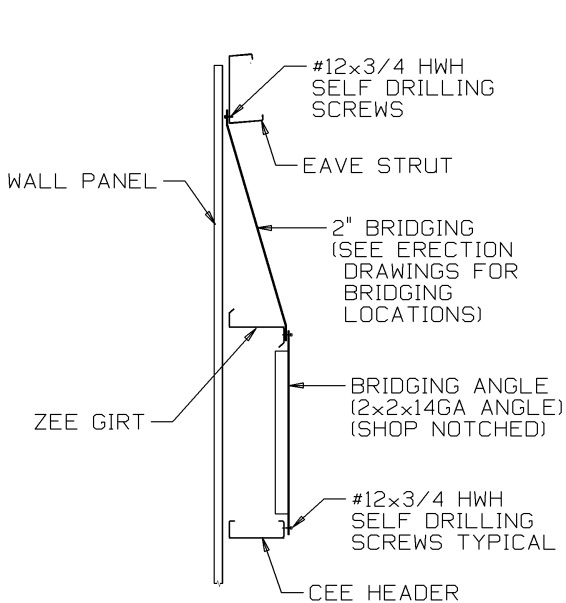


**SECTION AT SIDEWALL BRIDGING**



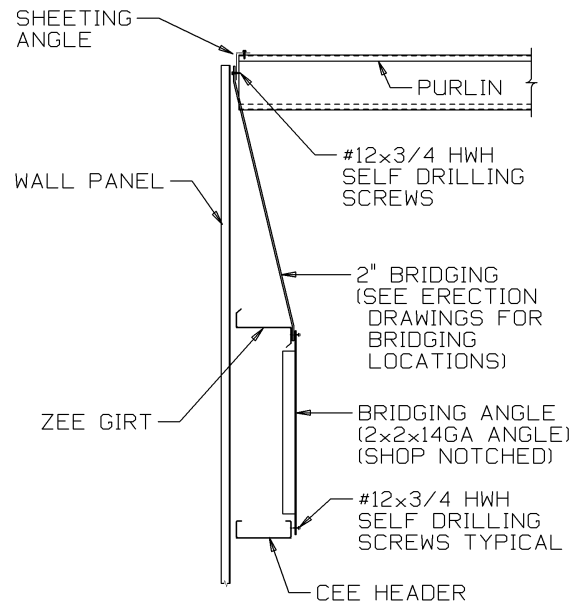
**SECTION AT ENDWALL BRIDGING**

ERECTOR NOTE! SEE PAGES 39-47 FOR PANEL INSTALLATION



**SECTION AT SIDEWALL BRIDGING**

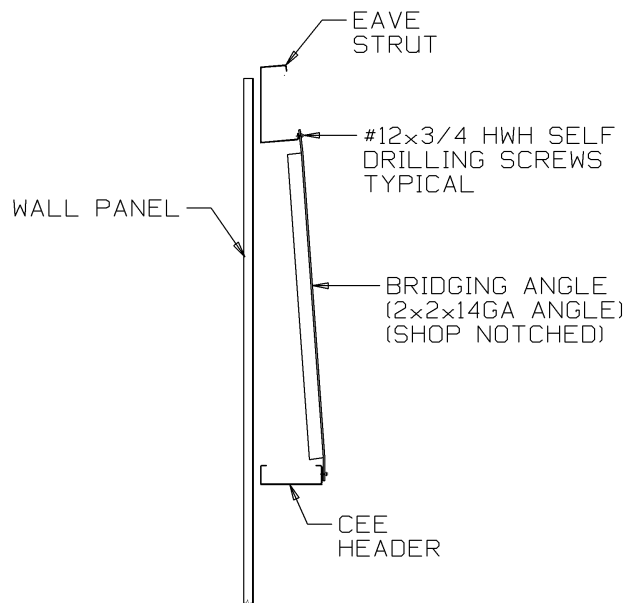
(AT HEADER CONDITION)



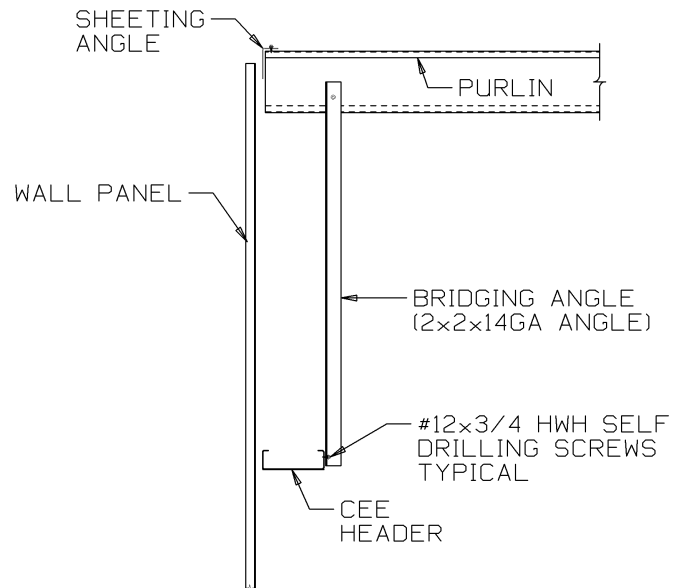
**SECTION AT ENDWALL BRIDGING**

(AT HEADER CONDITION)

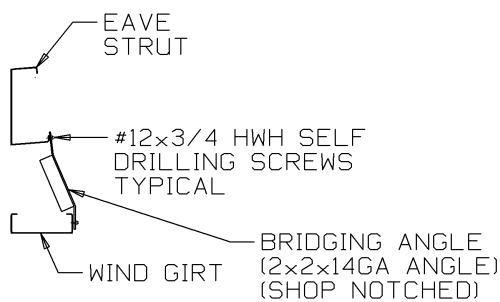
SEE THE ERECTION DRAWINGS FOR QUANTITIES AND LOCATIONS



**SECTION AT SIDEWALL BRIDGING**  
(AT HEADER CONDITION)



**SECTION AT ENDWALL BRIDGING**  
(AT HEADER CONDITION)



**SECTION AT SIDEWALL BRIDGING**  
(AT WIND GIRT CONDITION)

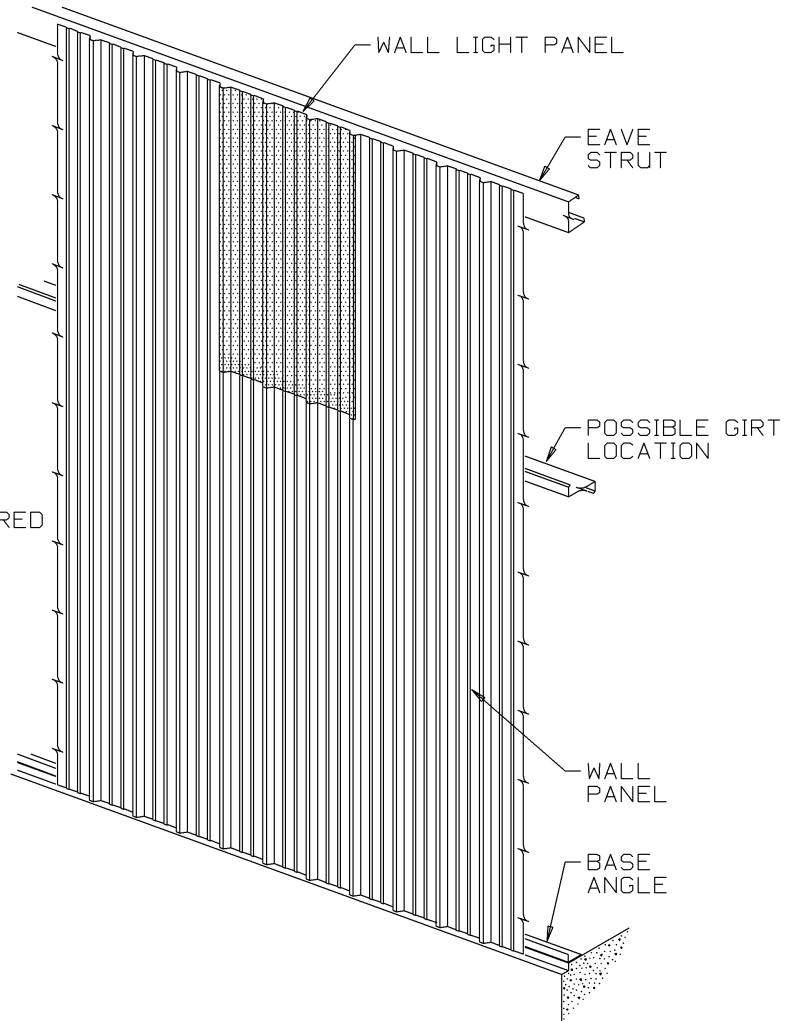
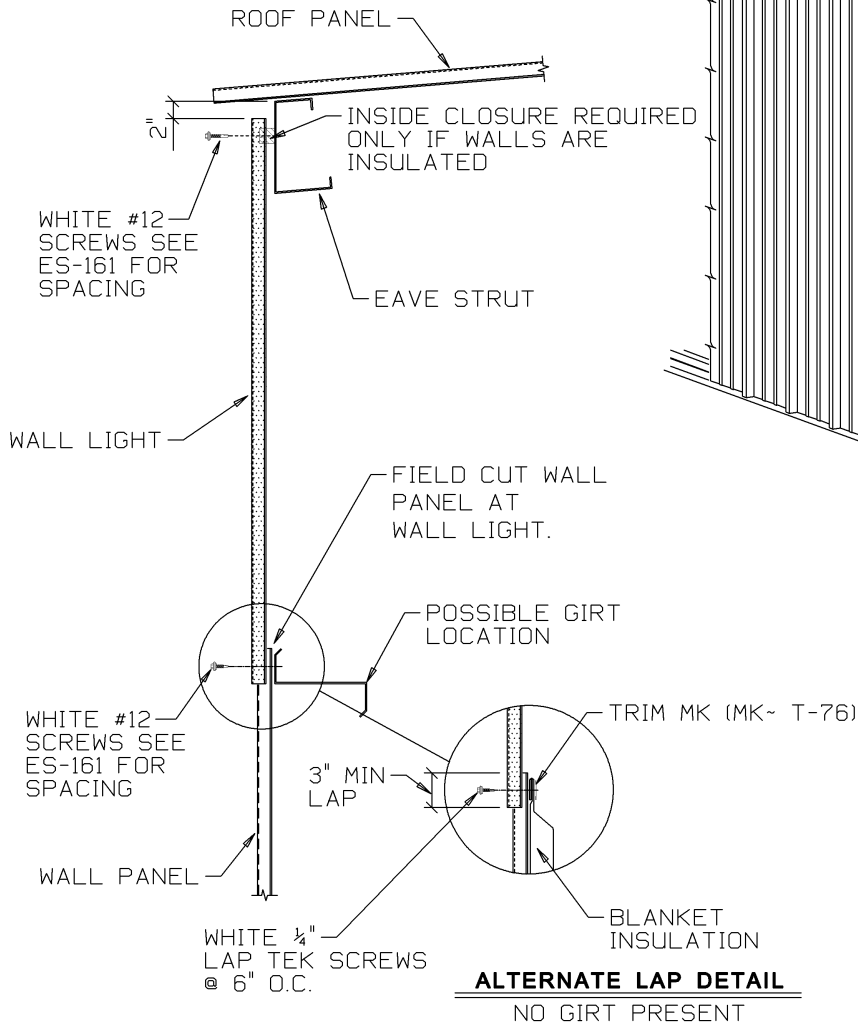
ERECTOR NOTE! SEE PAGES 39-47  
FOR PANEL INSTALLATION

**SEE PAGE 23 AND PAGE 24 FOR KNOCK-IN  
BRIDGING INSTALLATION FOR THE ROOF**

	ERECTION STANDARDS		PAGE  20
	Wall Bridging		



ERECTOR NOTE! SEE PAGES 39-47  
FOR PANEL INSTALLATION



NOTE:  
FIELD CUT WALL PANEL  
AT WALL LIGHT. WALL  
PANEL TO WALL LIGHT LAP MAY BE  
AT A GIRT OR NEAR THE END OF  
THE WALL PANEL. A MIN LAP OF  
3" IS REQUIRED AT BOTH LOCATIONS.

#### VERTICAL SECTION THRU WALL LIGHT

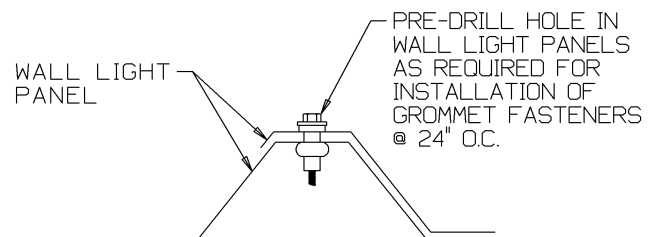
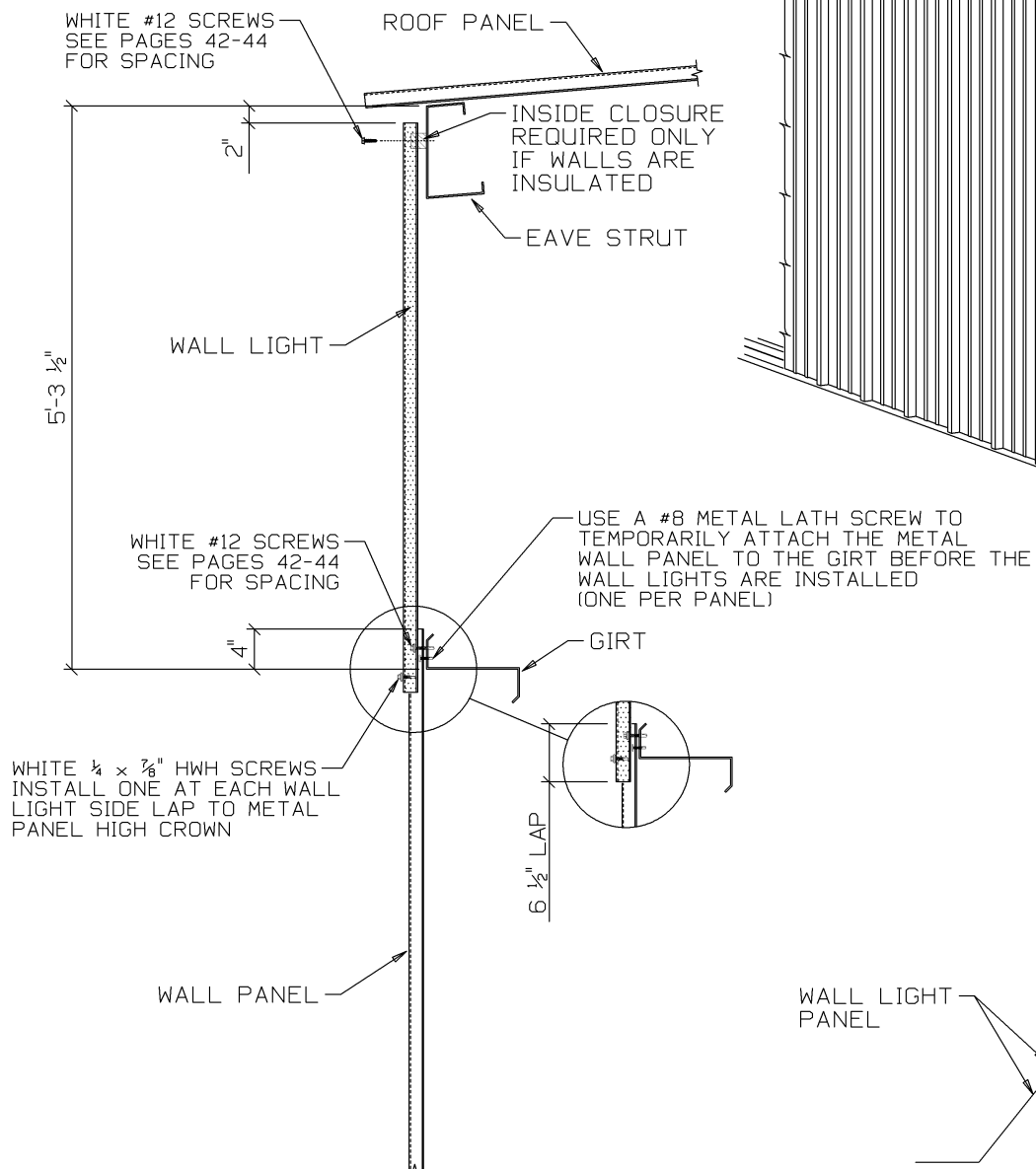
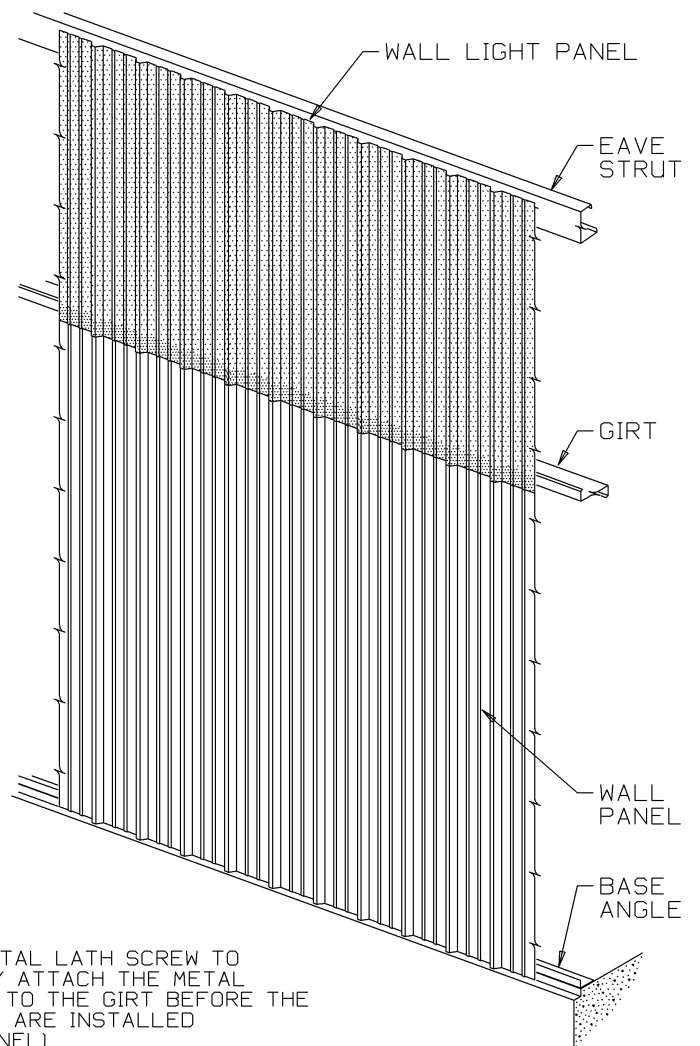


#### ERECTION STANDARDS

### Wall Lights

**PAGE**  
**21**

ERECTOR NOTE! SEE PAGES 39-47  
FOR PANEL INSTALLATION



VERTICAL SECTION THRU CONTINUOUS WALL LIGHT

SIDELAP DETAIL

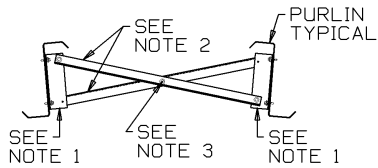


**ERECTION STANDARDS**

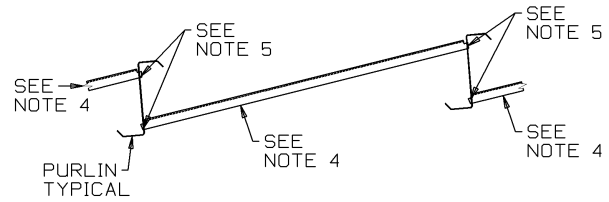
**Wall Lights**

**PAGE**  
**22**

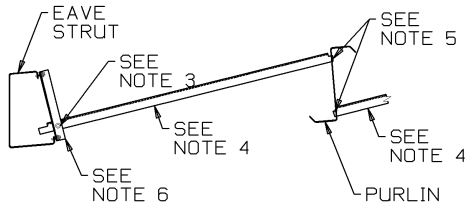
**ERECTOR NOTE USE THESE DETAILS FOR ROOF SLOPES LESS THAN 3:12  
USE DETAILS ON PAGE 24 FOR ROOF SLOPES 3:12 AND GREATER**



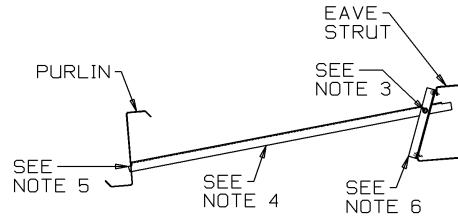
**PEAK CONDITION**



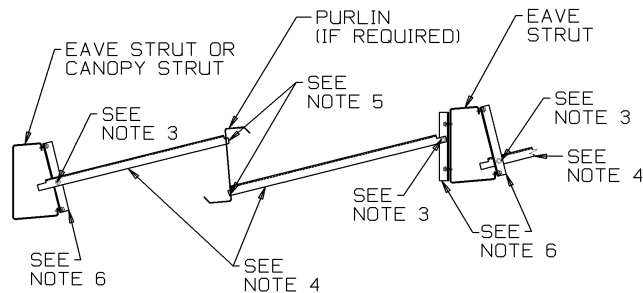
**BETWEEN PURLINS**



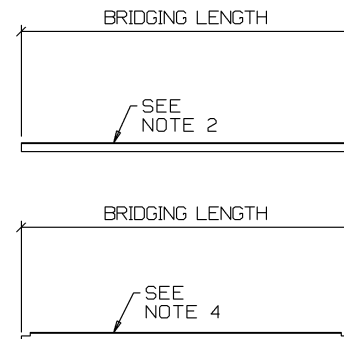
**EAVE CONDITION**



**HIGH SIDE EAVE CONDITION**



**EAVE EXTENSION CONDITION**



**HOW TO MEASURE BRIDGING LENGTHS**

**GENERAL NOTES**

1. PEAK BRIDGING ANGLE (2x2x14G<sub>a</sub>. UN-NOTCHED ANGLE). THIS ANGLE IS TYPICALLY MARKED PBA-1, PBA-2, ETC... FASTEN ANGLE TO PEAK PURLIN WITH #12x 3/4 HWH SCREWS 2 PER ANGLE.
2. KNOCK-IN BRIDGING (1x1x14G<sub>a</sub>. UN-NOTCHED ANGLE). BRIDGING IS IDENTIFIED BY LENGTH ON THE ROOF FRAMING PLAN. FASTEN TO PEAK BRIDGING ANGLE WITH #12x 3/4 HWH SCREWS ONE AT EACH END OF ANGLE.
3. USE ONE #12 x 3/4 HWH SCREW TO ATTACH BRIDGING.
4. KNOCK-IN BRIDGING (1x1x14G<sub>a</sub>. NOTCHED ANGLE). BRIDGING IS IDENTIFIED BY LENGTH ON THE ROOF FRAMING PLAN.
5. INSERT TAB OF NOTCHED ANGLE INTO THE PRE-PUNCHED SLOT IN THE PURLIN WEB. BEND TAB OVER FLAT AGAINST THE WEB.
6. BRIDGING CLIP (1x1x14G<sub>a</sub>. UN-NOTCHED ANGLE). SEE BRIDGING CLIP CHART FOR LENGTH. FASTEN TO EAVESTRUT WITH #12x 3/4 HWH SCREWS ONE AT EACH END OF ANGLE.

**BRIDGING CLIP CHART**

8" PURLINS = 0'-7 3/4"  
10" PURLINS = 0'-9 3/4"  
12" PURLINS = 0'-11 3/4"



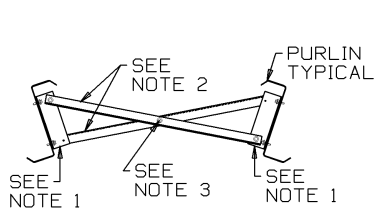
**ERECTION STANDARDS**

**Roof Bridging**

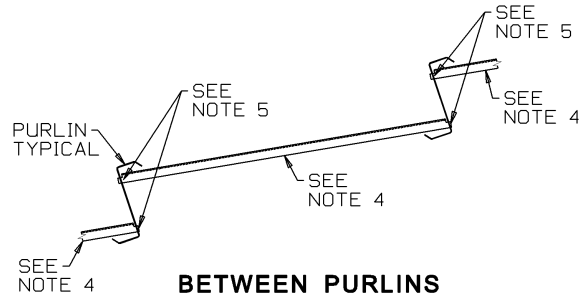
**PAGE**

**23**

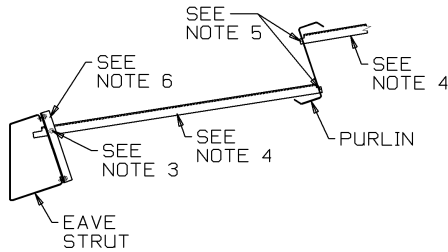
**ERECTOR NOTE USE THESE DETAILS FOR ROOF SLOPES 3:12 AND GREATER  
USE DETAILS ON PAGE 23 FOR ROOF SLOPES LESS THAN 3:12**



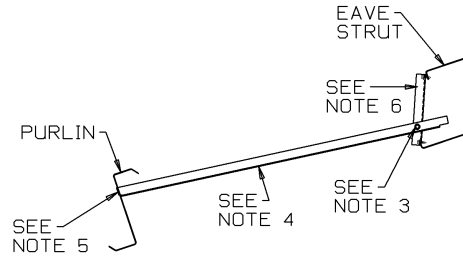
**PEAK CONDITION**



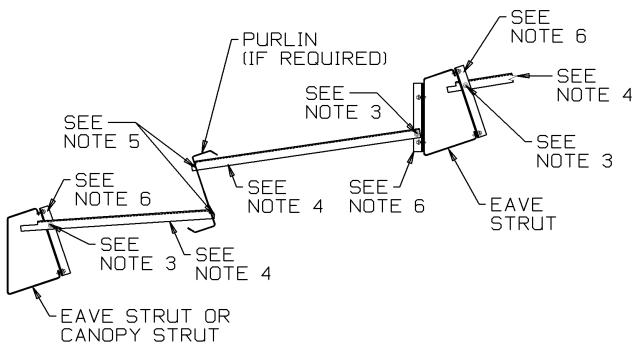
**BETWEEN PURLINS**



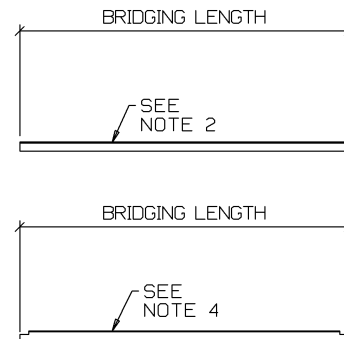
**EAVE CONDITION**



**HIGH SIDE EAVE CONDITION**



**EAVE EXTENSION CONDITION**



**HOW TO MEASURE BRIDGING LENGTHS**

**GENERAL NOTES**

1. PEAK BRIDGING ANGLE (2x2x14G<sub>a</sub>, UN-NOTCHED ANGLE). THIS ANGLE IS TYPICALLY MARKED PBA-1, PBA-2, ETC... FASTEN ANGLE TO PEAK PURLIN WITH #12x 3/4 HWH SCREWS 2 PER ANGLE.
2. KNOCK-IN BRIDGING (1x1x14G<sub>a</sub>, UN-NOTCHED ANGLE). BRIDGING IS IDENTIFIED BY LENGTH ON THE ROOF FRAMING PLAN. FASTEN TO PEAK BRIDGING ANGLE WITH #12x 3/4 HWH SCREWS ONE AT EACH END OF ANGLE.
3. USE ONE #12 x 3/4 HWH SCREW TO ATTACH BRIDGING.
4. KNOCK-IN BRIDGING (1x1x14G<sub>a</sub>, NOTCHED ANGLE). BRIDGING IS IDENTIFIED BY LENGTH ON THE ROOF FRAMING PLAN.
5. INSERT TAB OF NOTCHED ANGLE INTO THE PRE-PUNCHED SLOT IN THE PURLIN WEB. BEND TAB OVER FLAT AGAINST THE WEB.
6. BRIDGING CLIP (1x1x14G<sub>a</sub>, UN-NOTCHED ANGLE). SEE BRIDGING CLIP CHART FOR LENGTH. FASTEN TO EAVESTRUT WITH #12x 3/4 HWH SCREWS ONE AT EACH END OF ANGLE.

**BRIDGING CLIP CHART**

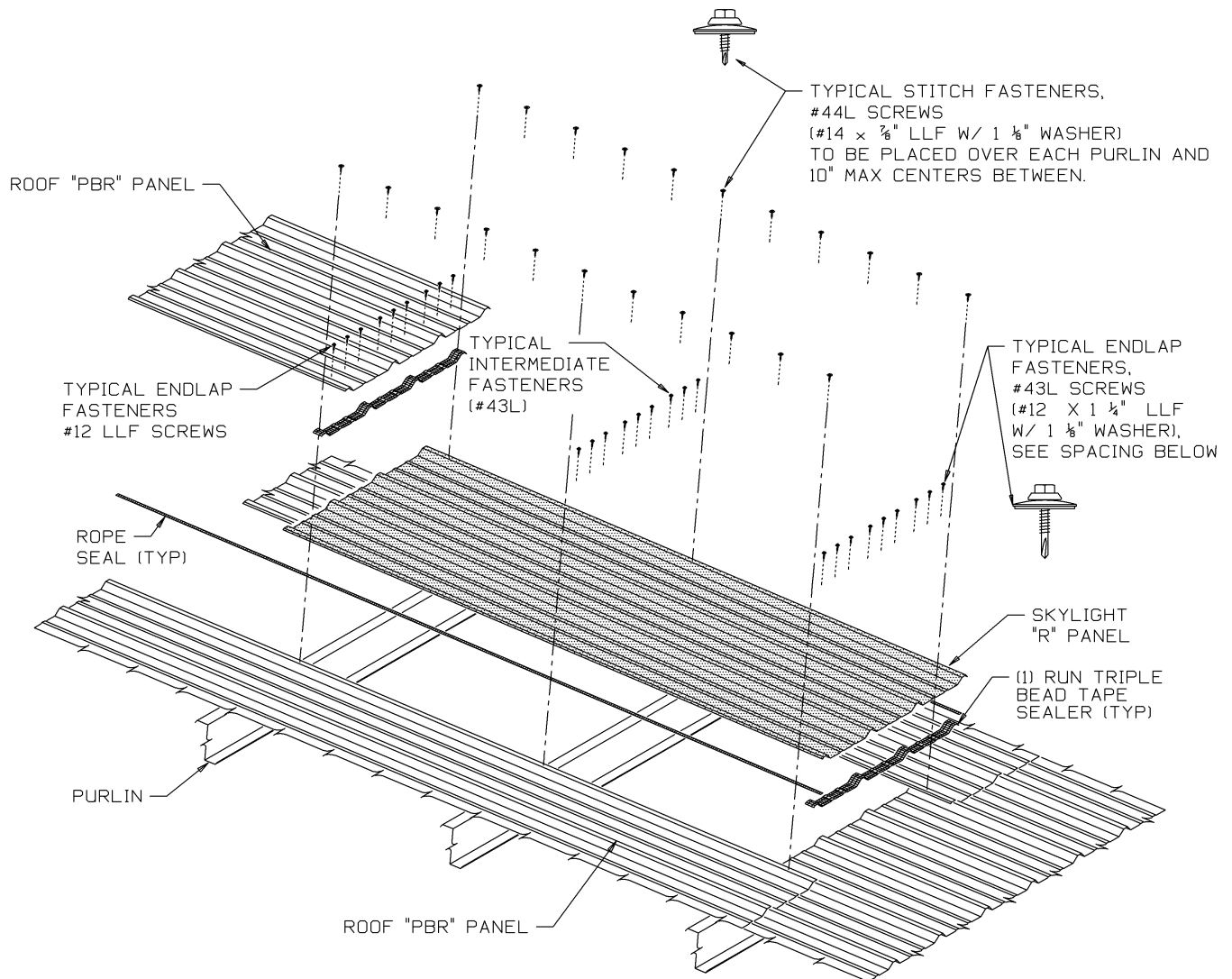
**8" PURLINS = 0'-7 3/4"**  
**10" PURLINS = 0'-9 3/4"**  
**12" PURLINS = 0'-11 3/4"**



**ERECTION STANDARDS**

**Roof Bridging**

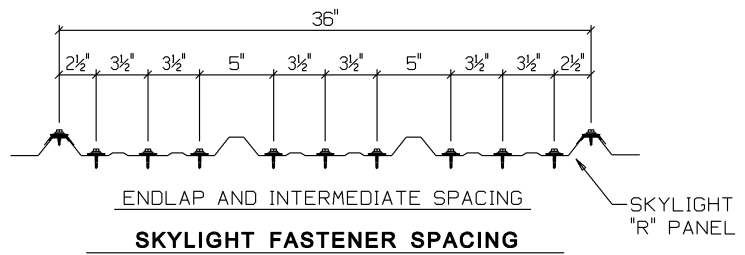
**PAGE**  
**24**



ERECTOR NOTE! SEE PAGES 39-47 FOR PANEL INSTALLATION

#### NOTES:

- 1.FOR ROOF PANEL INSTALLATION SEE PAGE 47.
- 2.SKYLIGHT INSTALLATION MATERIALS: (PER SKYLIGHT)
  - 18 FAST #43L SCREWS (WHITE)
  - 26 FAST #44L SCREWS (WHITE)
  - ROPE SEAL
  - TRIPLE BEAD TAPE SEAL



WARNING: LIGHT TRANSMITTING PANELS ARE NOT DESIGNED OR INTENDED TO BEAR THE WEIGHT OF ANY PERSON WALKING, STANDING, OR RESTING ON THEM. TYLER BUILDING SYSTEMS, L.P. DISCLAIMS ANY REPRESENTATION, EXPRESSED OR IMPLIED, THAT ANY PERSON CAN SAFELY WALK, STEP, STAND, OR REST ON OR NEAR LIGHT TRANSMITTING PANELS OR THAT THEY COMPLY WITH ANY OSHA REGULATION.

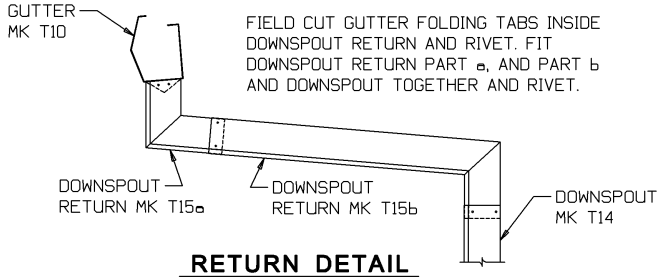
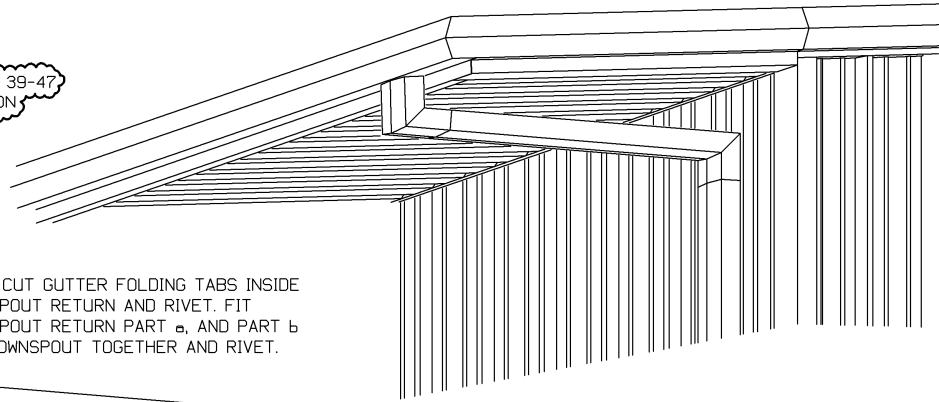


#### ERECTION STANDARDS

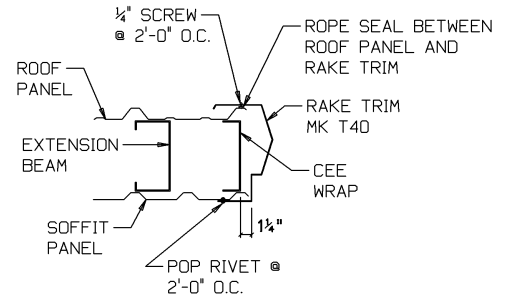
### Sky Lights

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**25**

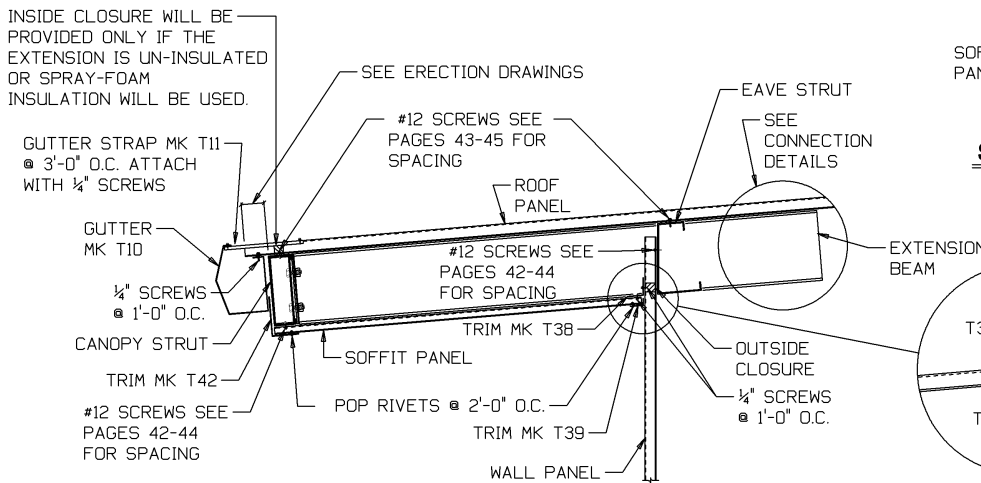
ERECTOR NOTE! SEE PAGES 39-47  
FOR PANEL INSTALLATION



### RETURN DETAIL



### SECTION AT RAKE

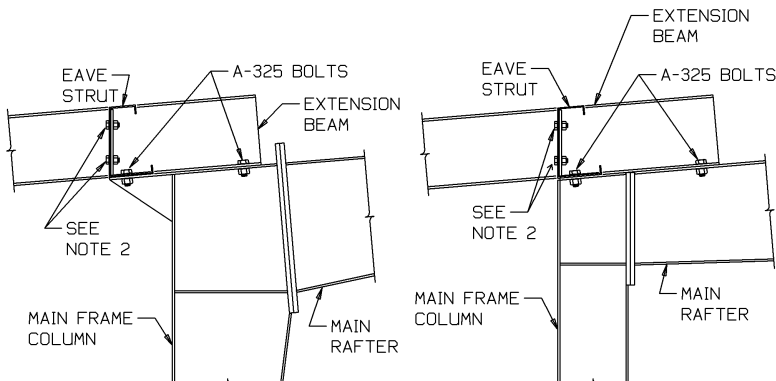


### TYPICAL SECTION THRU EAVE EXTENSION

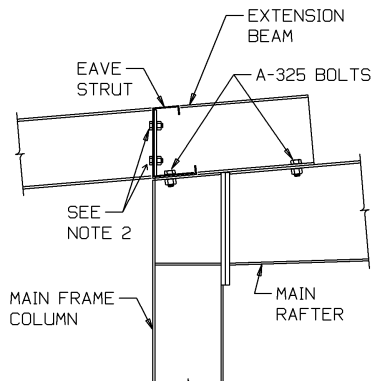
#### NOTES:

- 1.) USE A325 FLAT WASHERS TO LEVEL CANOPY RAFTER.
- 2.) 1/2" FLAT HEAD MACHINE BOLTS UNLESS NOTED OTHERWISE ON THE ERECTION DRAWINGS.

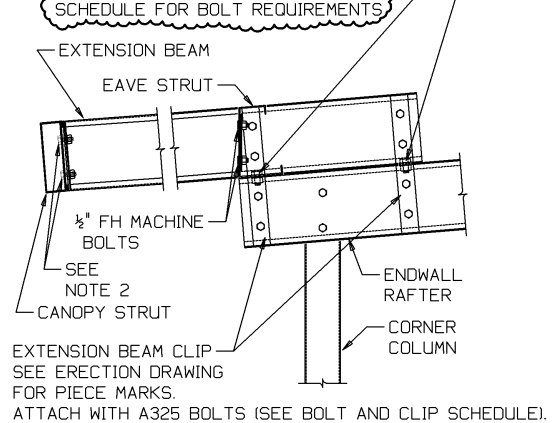
ERECTOR NOTE! EXT. BEAM MUST BE FLANGE BOLTED TO THE ENDRAFTER WITH A325 BOLTS IN ADDITION TO THE BEAM CLIP ATTACHMENT. SEE BOLT AND CLIP SCHEDULE FOR BOLT REQUIREMENTS.



### CONNECTION AT FRAME WITH BYPASS GIRT



### CONNECTION AT FRAME WITH FLUSH GIRT



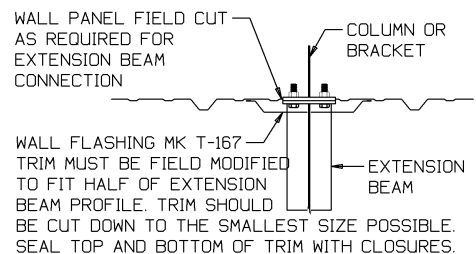
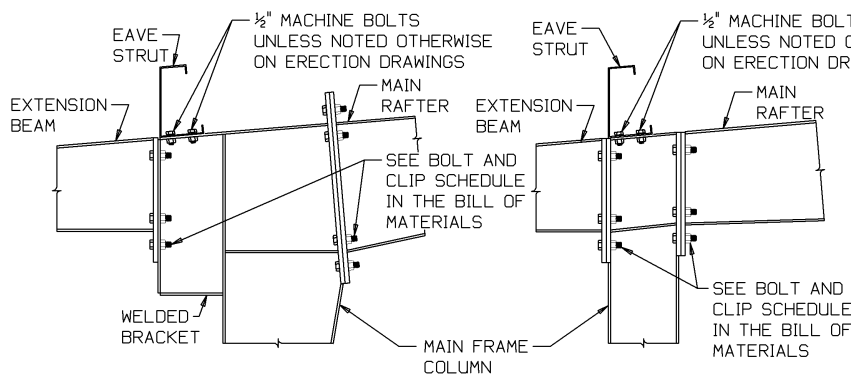
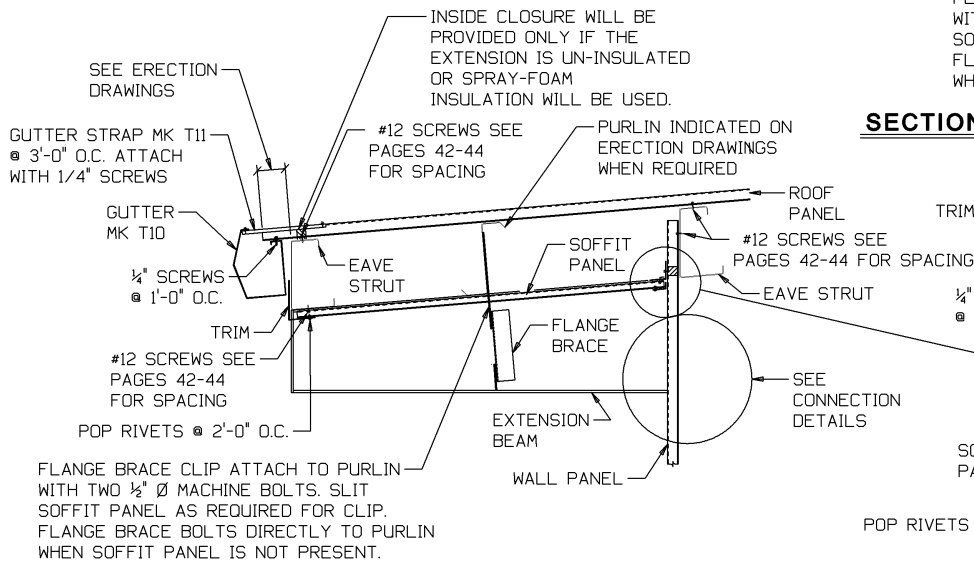
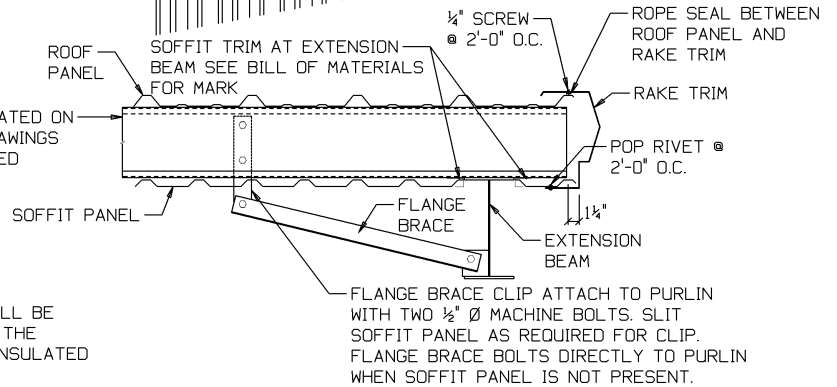
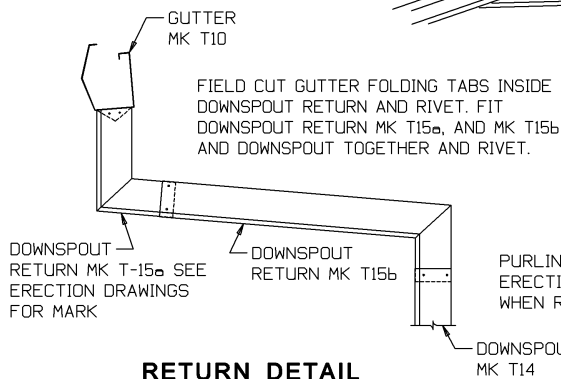
### CONNECTION AT BEARING FRAME



#### ERECTION STANDARDS

## Eave Extensions

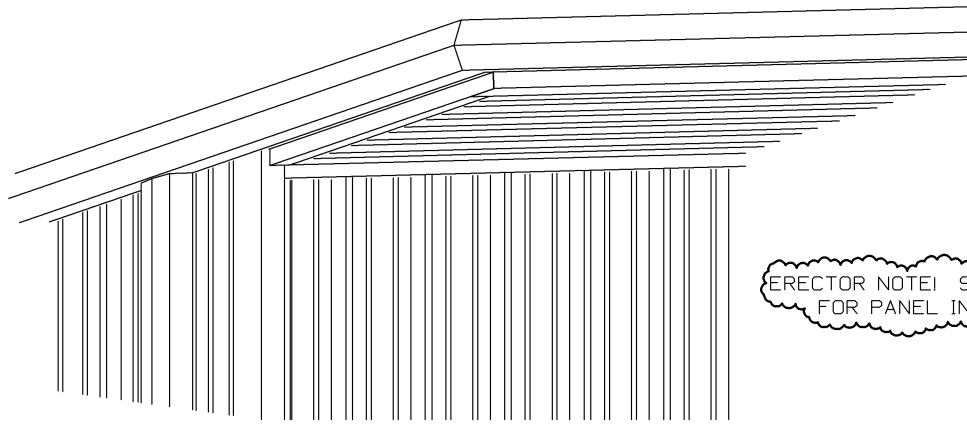
ERECTOR NOTE! SEE PAGES 39-47  
FOR PANEL INSTALLATION



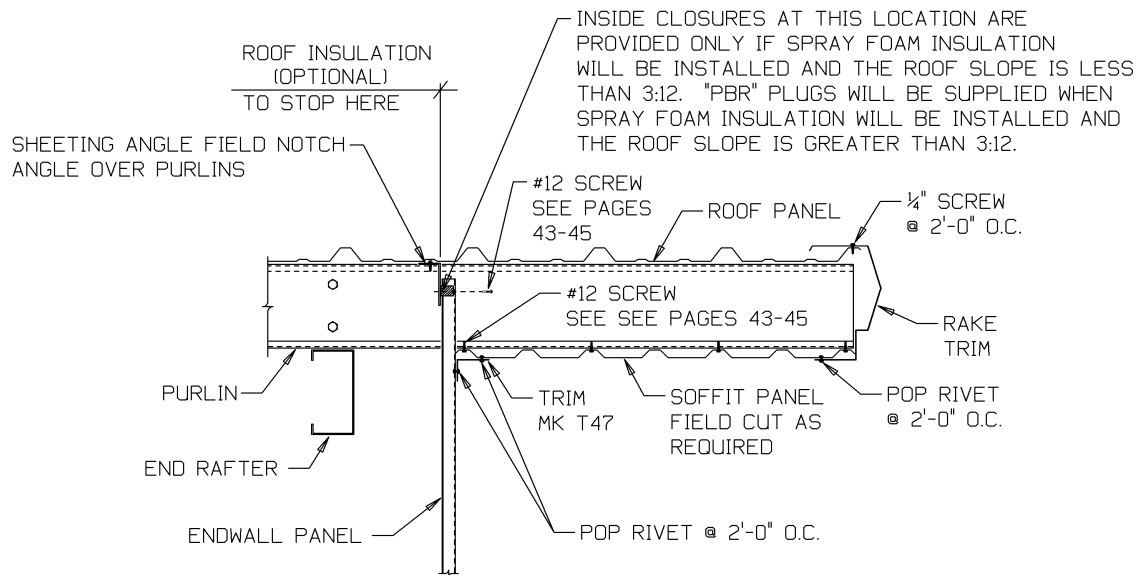
## ERECTION STANDARDS

## Eave Extensions

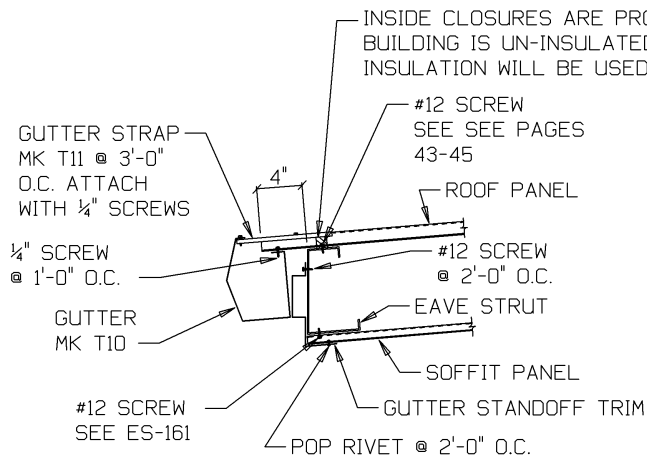
**PAGE**  
**27**



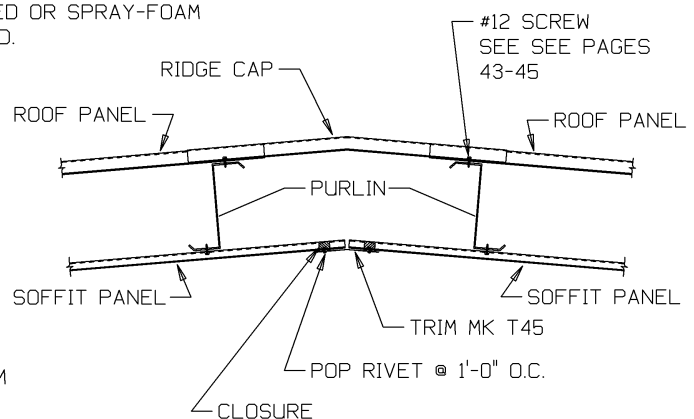
ERECTOR NOTE! SEE PAGES 39-47  
FOR PANEL INSTALLATION



#### TYPICAL SECTION THRU PURLIN EXTENSION



#### SECTION AT GUTTER



#### SECTION AT RIDGE



#### ERECTION STANDARDS

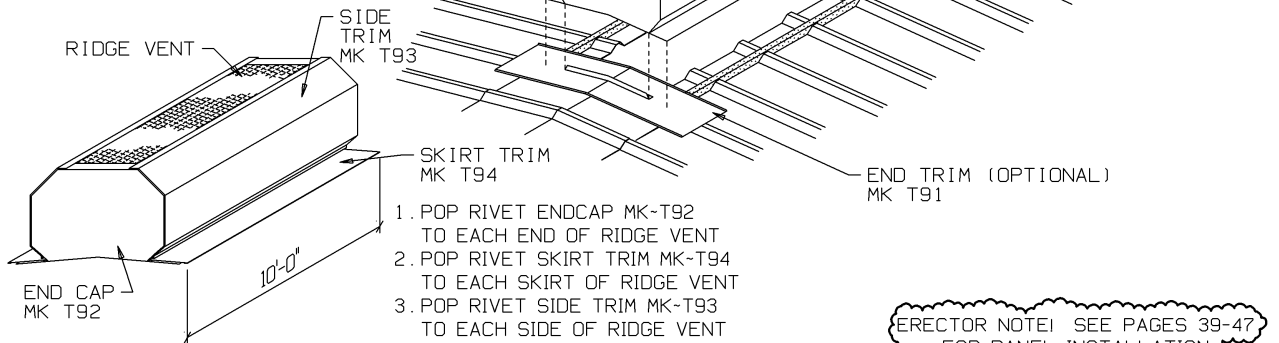
### Purlin Extensions

PAGE  
**28**

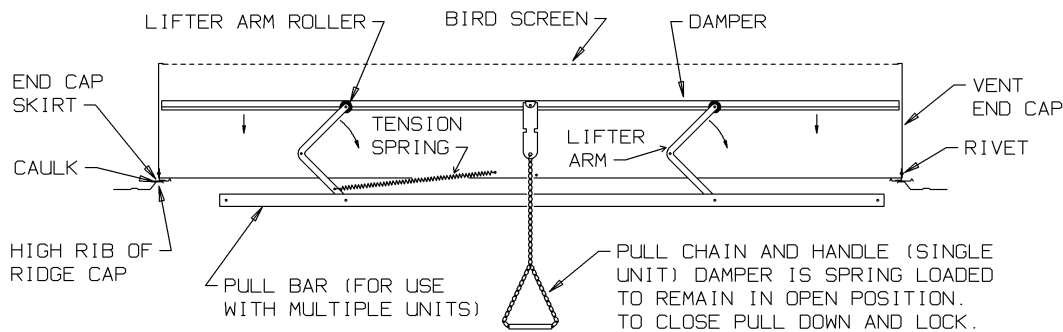


## INSTALLATION PROCEDURE

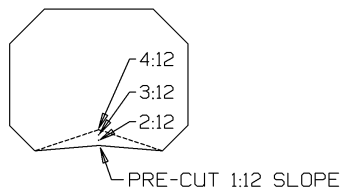
1. FIELD CUT END CAPS FOR REQUIRED ROOF SLOPE.
2. ATTACH END CAP SKIRTS TO BOTH ENDS OF VENT WITH POP RIVETS.
3. APPLY OUTSIDE CLOSURE TO ROOF PANELS WITH ROPE SEAL TOP AND BOTTOM ALONG EACH SIDE OF 10'-0" OPENING.
4. APPLY ROPE SEAL TO HIGH RIB OF RIDGE CAP AT EACH END OF OPENING.
5. SEE PAGE 37 FOR INSULATION INSTALLATION
6. SET VENT IN PLACE AND ATTACH TO ROOF PANELS AT EACH HIGH RIB WITH  $\frac{1}{4}$ " SCREWS.



## OPTIONAL COLOR TRIM KIT INSTALLATION

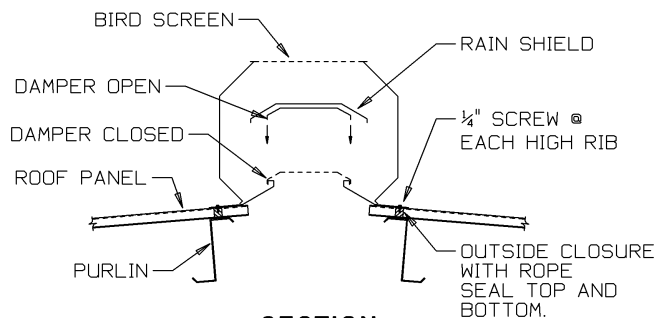


### DETAIL



## END CAP MODIFICATION DETAIL FOR ROOF SLOPE GREATER THAN 1:12

NOTE: END CAP IS FACTORY CUT FOR 1:12 ROOF SLOPE. THREE DOTS INDICATE 2:12, 3:12 AND 4:12 SLOPES. FIELD CUT FOR REQUIRED ROOF SLOPE.



### SECTION

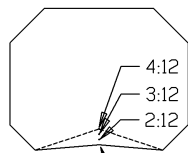
NOTE: THIS TYPE OF VENT IS NOT RECOMMENDED FOR USE ON BUILDINGS THAT HAVE ROOF SLOPES LESS THAN 1:12 OR WIDE BUILDINGS WHERE THERMAL EXPANSION IS A CONCERN (EXAMPLES: BUILDINGS WITH STANDING SEAM ROOF SYSTEMS OR GABLED BUILDINGS WIDER THAN 140'-0").



## ERECTION STANDARDS

## Ridge Vents

PAGE  
**29**



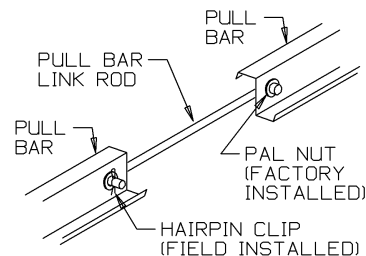
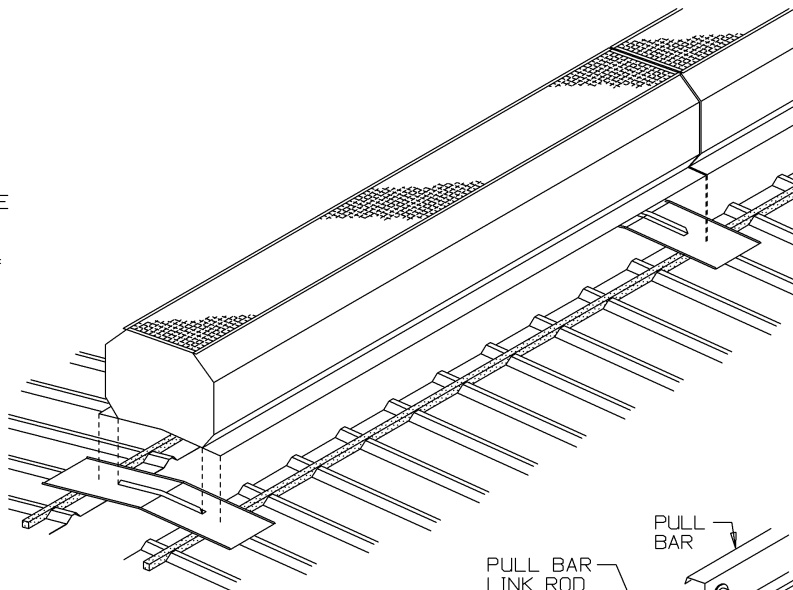
PRE-CUT 1:12 SLOPE

### **END CAP MODIFICATION DETAIL**

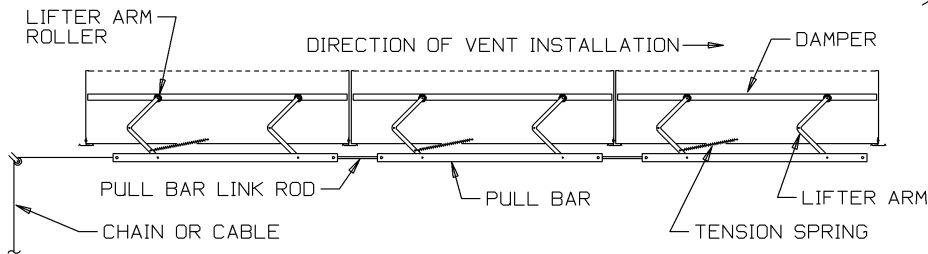
FOR ROOF SLOPE GREATER THAN 1:12

NOTE: END CAP IS FACTORY CUT FOR 1:12 ROOF SLOPE. THREE DOTS INDICATE 2:12, 3:12 AND 4:12 SLOPES. FIELD CUT FOR REQUIRED ROOF SLOPE.

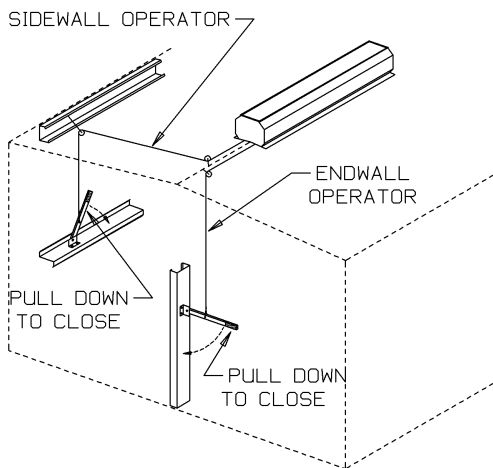
ERECTOR NOTE! SEE PAGES 39-47 FOR PANEL INSTALLATION



### **PULL BAR CONNECTION**



### **CONTINUOUS VENT INSTALLATION**



### **OPERATOR KIT (OPTIONAL) INSTALLATION**

(ONE KIT WILL OPERATE A MAXIMUM OF 3 VENTS)

### **INSTALLATION PROCEDURE**

1. FIELD CUT END CAPS FOR REQUIRED ROOF SLOPE.
2. ATTACH END CAP SKIRT TO THE END CAP OF THE FIRST VENT IN CONTINUOUS RUN WITH POP-RIVETS.
3. APPLY OUTSIDE CLOSURE TO ROOF PANELS WITH ROPE SEAL TOP AND BOTTOM ALONG EACH SIDE OF OPENING.
4. APPLY ROPE SEAL TO HIGH RIB OF RIDGE CAP AT EACH END OF OPENING.
5. SEE PAGE 37 FOR INSULATION INSTALLATION.
6. SET FIRST VENT IN PLACE NOTING DIRECTION OF PULL. POSITION NEXT END CAP SKIRT UNDER CENTERLINE OF END CAP AND POP-RIVET TO HIGH RIB OF ROOF PANEL. ATTACH VENT TO ROOF PANELS AT EACH HIGH RIB WITH 1/4" SCREWS.
7. POSITION THE SECOND VENT LEAVING A 4" GAP BETWEEN THE TWO VENTS. REACH THRU THE GAP ATTACH THE LINK ROD OF THE SECOND VENT TO THE PULL BAR OF THE FIRST VENT, SECURE WITH WASHER AND HAIRPIN CLIP SUPPLIED. PUSH THE SECOND VENT TOWARD THE FIRST UNTIL THE END CAPS BUTT TOGETHER. POSITION NEXT END CAP SKIRT UNDER CENTERLINE OF END CAP AND POP-RIVET TO HIGH RIB OF ROOF PANEL. ATTACH SECOND VENT. REPEAT THIS PROCESS UNTIL ALL VENTS IN THE CONTINUOUS RUN ARE INSTALLED.
8. INSTALL OPERATOR KIT. (OPTIONAL)

NOTE: THIS TYPE OF VENT IS NOT RECOMMENDED FOR USE ON BUILDINGS THAT HAVE ROOF SLOPES LESS THAN 1:12 OR WIDE BUILDINGS WHERE THERMAL EXPANSION IS A CONCERN (EXAMPLES: BUILDINGS WITH STANDING SEAM ROOF SYSTEMS OR GABLED BUILDINGS WIDER THAN 140'-0").

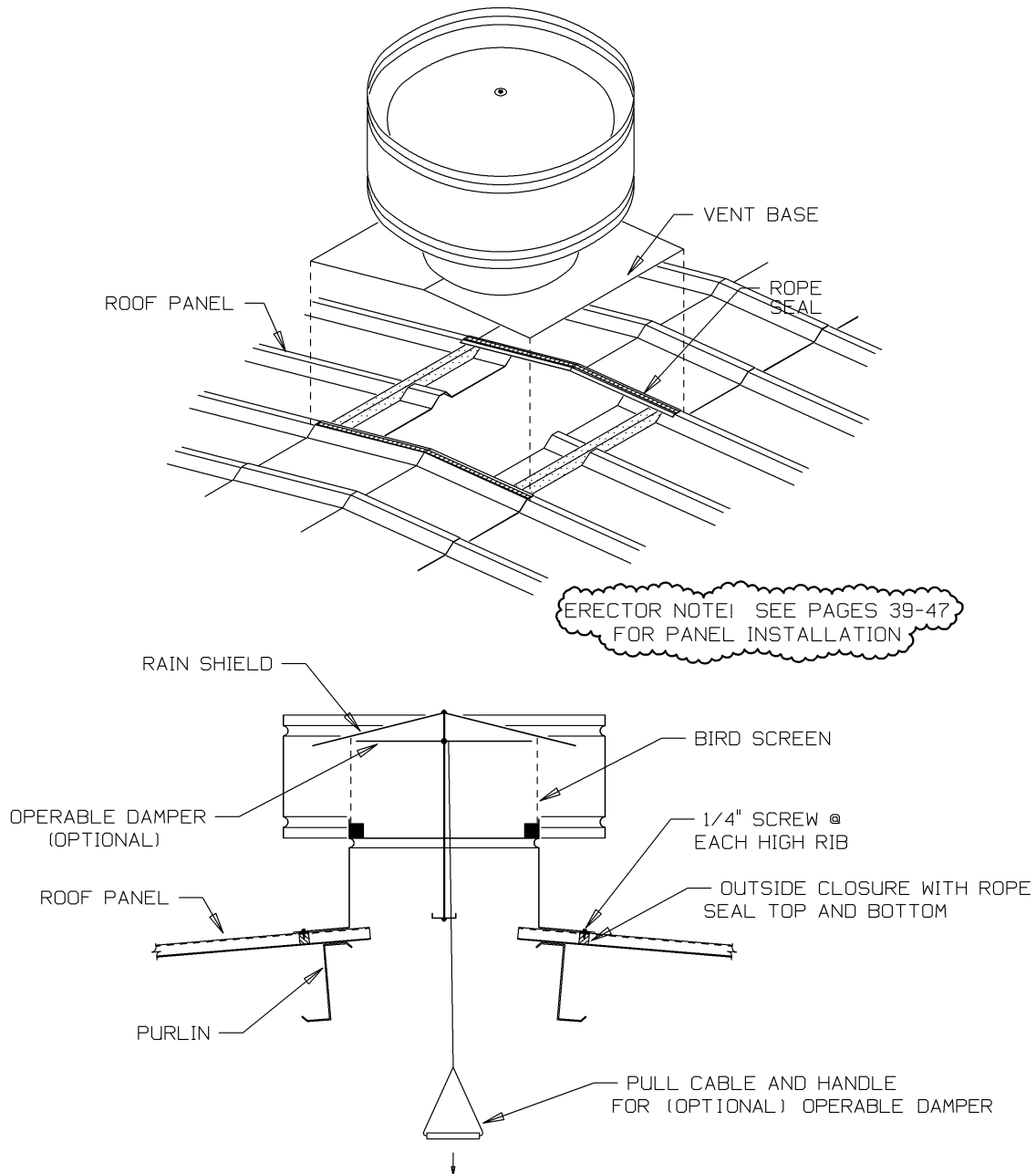


### **ERECTION STANDARDS**

## **Ridge Vents**

### **PAGE**

**30**



### SECTION

#### INSTALLATION PROCEDURE

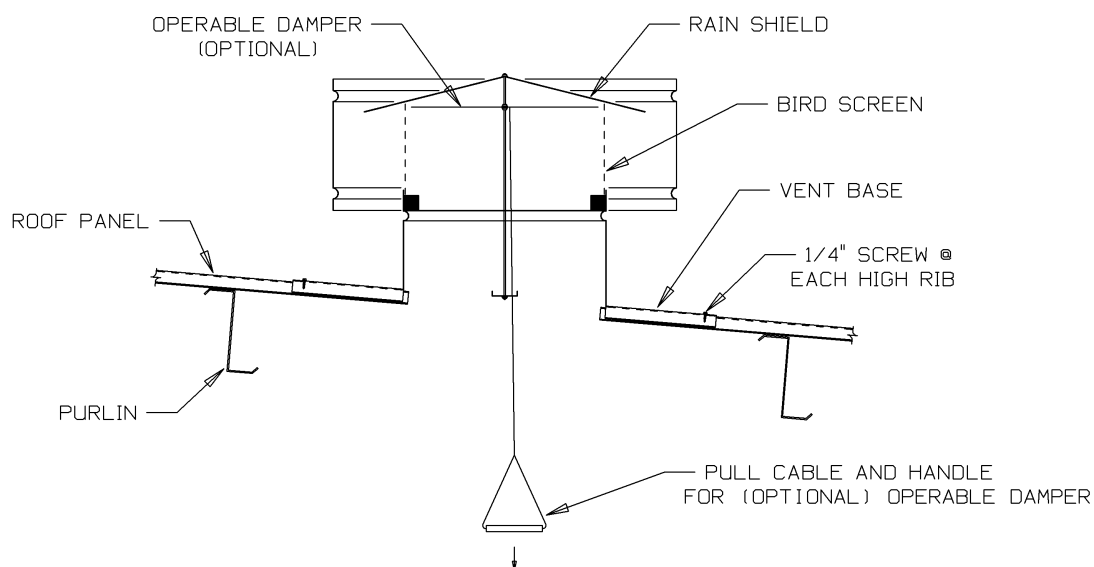
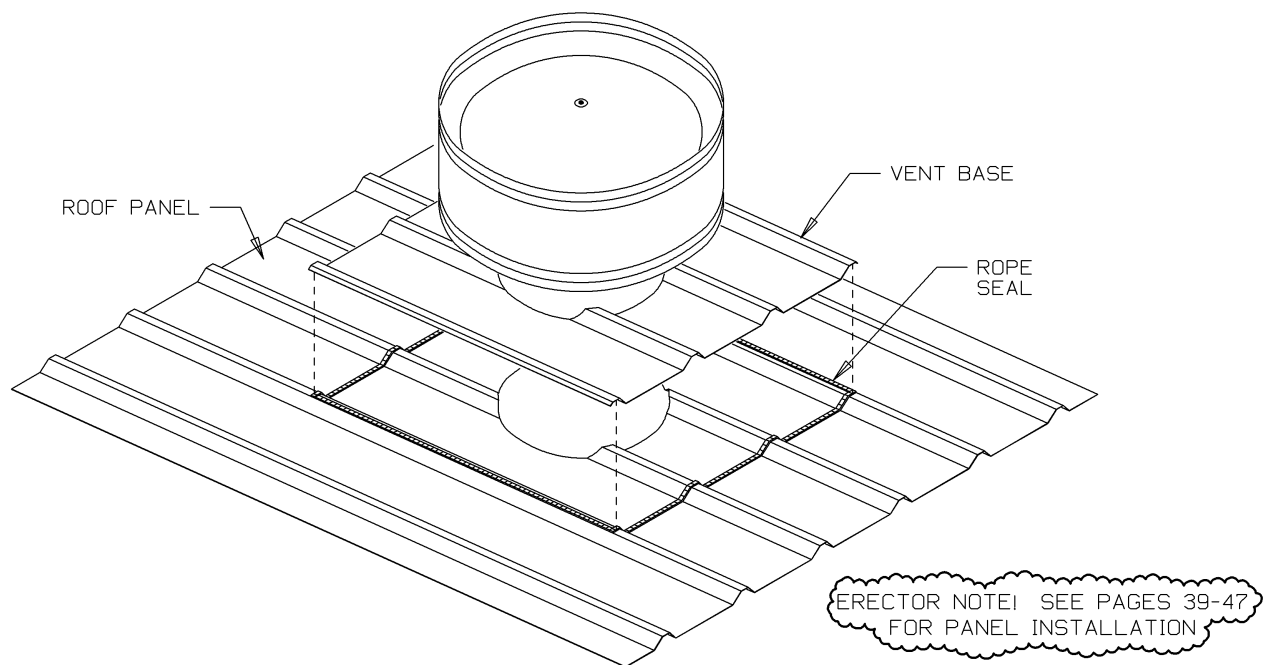
1. APPLY OUTSIDE CLOSURE TO ROOF PANELS WITH ROPE SEAL TOP AND BOTTOM ALONG EACH SIDE OF OPENING.
2. APPLY ROPE SEAL TO HIGH RIB OF RIDGE CAP AT EACH END OF OPENING.
3. SET VENT IN PLACE AND ATTACH TO ROOF PANELS AT EACH HIGH RIB, AND AT 6" O.C. ACROSS RIDGE CAP WITH 1/4" SCREWS.



#### **ERECTION STANDARDS**

### **Circular Vents**

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**31**



#### SECTION

#### INSTALLATION PROCEDURE

1. FIELD LOCATE AND CUT OPENING IN ROOF PANEL AS REQUIRED FOR THE VENT DIAMETER.
2. APPLY ROPE SEAL AROUND THE PERIMETER OF THE VENT BASE.
3. SET VENT IN PLACE AND ATTACH TO ROOF PANELS AT EACH HIGH RIB, AND AT 1'-0" O.C. ALONG THE SIDE LAPS WITH 1/4" SCREWS.



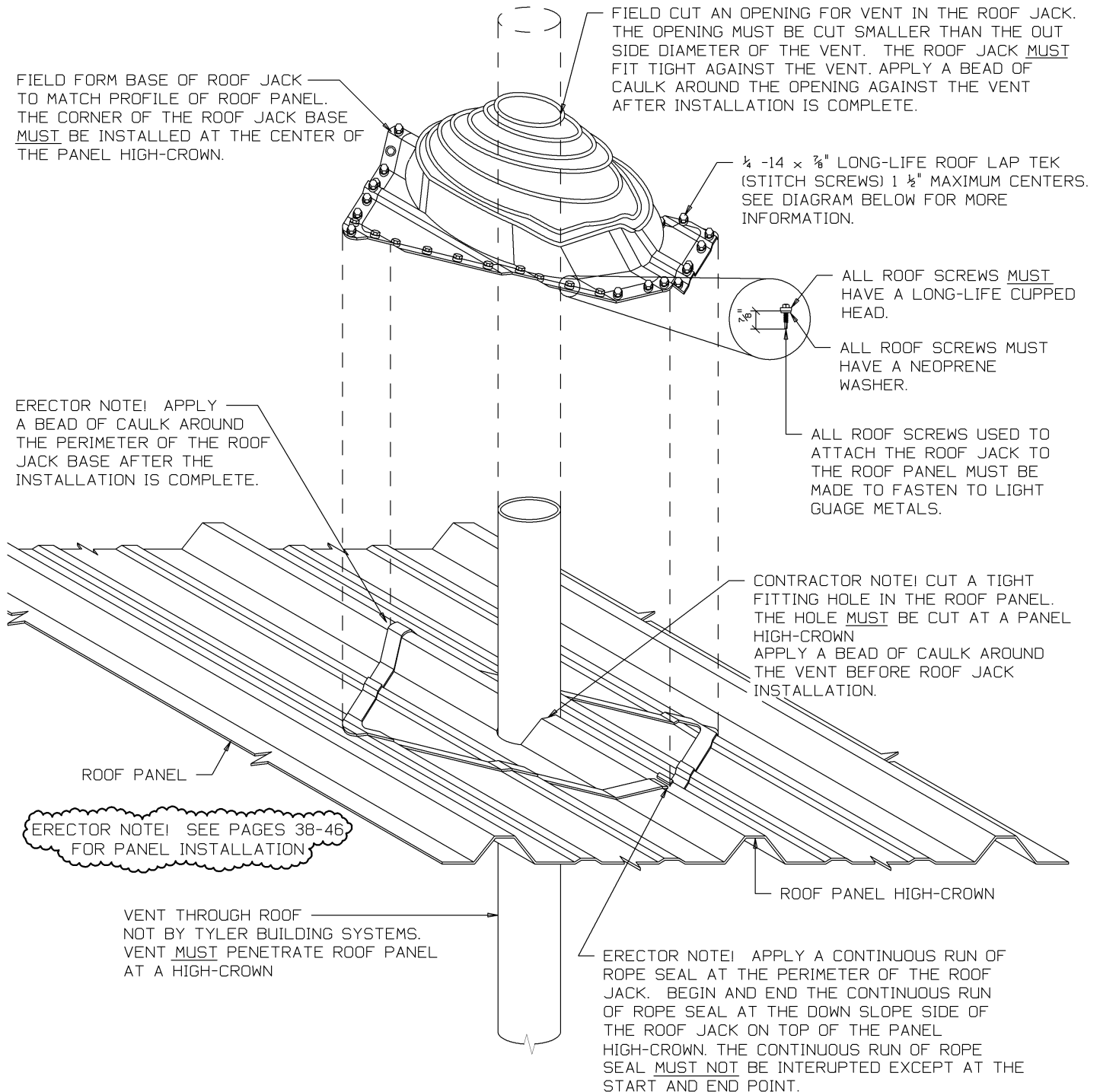
#### ERECTION STANDARDS

### Circular Vents

**PAGE**  
**32**

CONTRACTOR NOTE!

ALL ROOF JACKS MUST BE INSTALLED AS INDICATED IN THIS DRAWING. PLEASE CALL CUSTOMER SERVICE AT TYLER BUILDING SYSTEMS L.P. FOR QUESTIONS, OR ORDERING INFORMATION FOR SCREWS, ROPE SEAL, OR CAULK:  
1-800-442-8979 EXT. 212



CAUTION:

STANDARD ROOF JACKS ARE FOR APPLICATIONS OF 212" OR LESS  
HIGH-TEMP ROOF JACKS SHOULD BE USED FOR APPLICATIONS OF 212" TO 437"

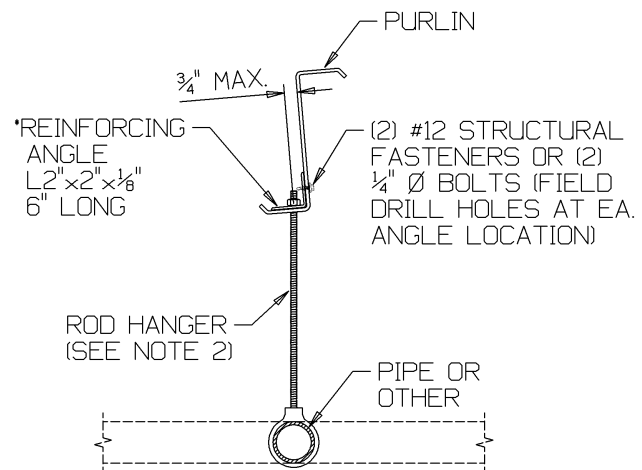


ERECTION STANDARDS

Roof Jacks

PAGE

33

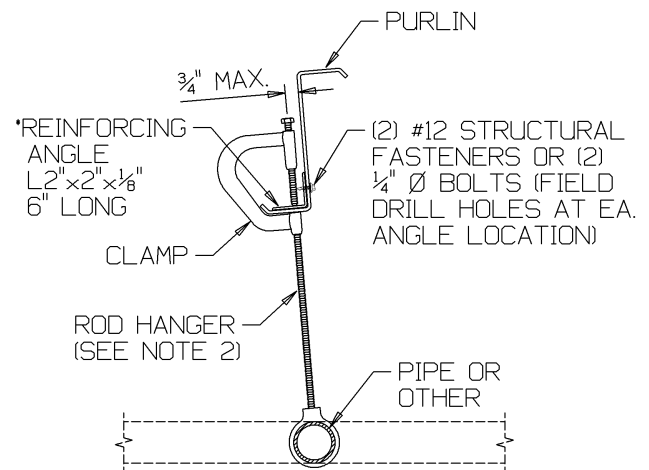


\*MAY BE OMITTED WITH  
HANGER LOADS OF  
50 LBS OR LESS.

NOTE:  
PURLIN LIP MUST  
NOT BE DISTORTED.

## HANGER DETAIL AT PURLINS

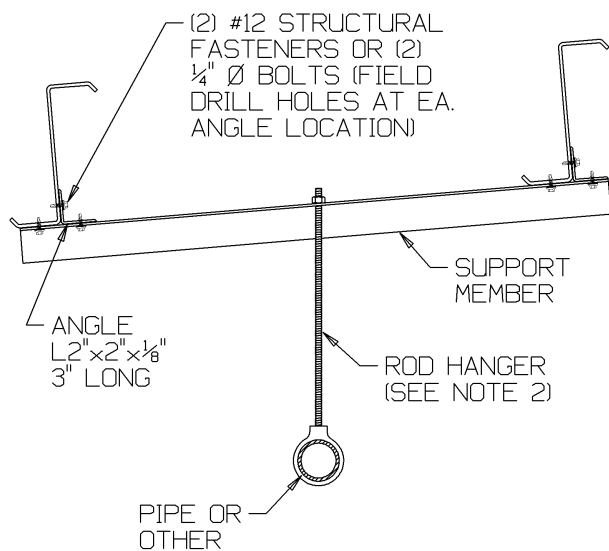
Maximum roof slope 1:12



\*MAY BE OMITTED WITH  
HANGER LOADS OF  
50 LBS OR LESS.

NOTE:  
PURLIN LIP MUST  
NOT BE DISTORTED.

## HANGER DETAIL AT PURLINS



## HANGER DETAIL AT PURLINS

### GENERAL NOTES:

- 1.) If collateral loads (sprinklers, ceiling, HVAC, etc.) are to be supported by the roof system, verify that the building was designed for these loads prior to installing hangers.
- 2.) Maximum hanger load not to exceed collateral load (psf) x 50 nor 300 lbs.
- 3.) Verify that all collateral loads (sprinklers, ceiling, HVAC, etc.) have enough hangers to provide a uniform load and not a series of high concentrated loads to the roof system.
- 4.) No material for hanger support indicated on this drawing is provided by Tyler Building Systems, L.P.

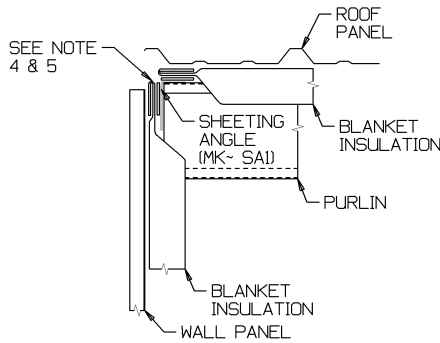


### ERECTION STANDARDS

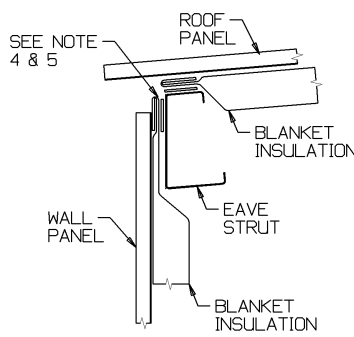
## Collateral Load Hanger Details

PAGE

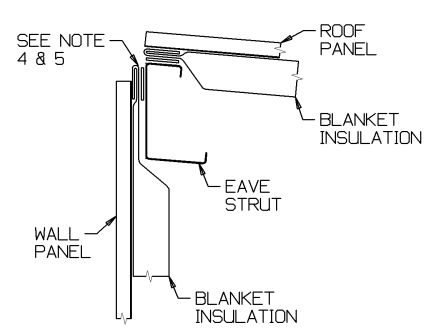
34



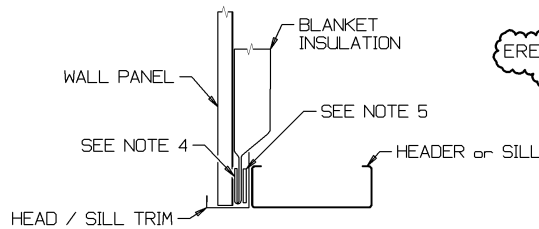
**INSULATION DETAIL AT RAKE**



**INSULATION DETAIL AT LOW-SIDE EAVE**

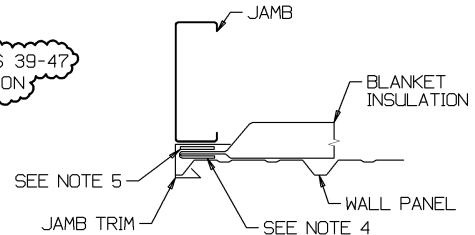


**INSULATION DETAIL AT HIGH-SIDE EAVE**

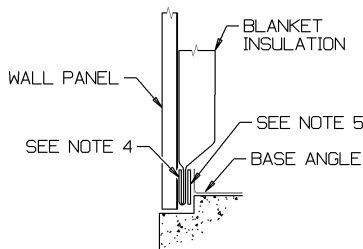


**INSULATION DETAIL AT HEADER**  
DETAIL AT SILL SIMILAR

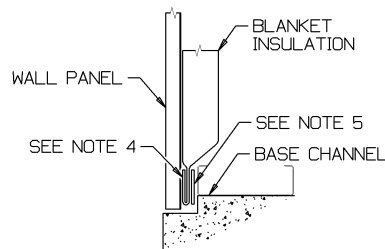
ERECTOR NOTE! SEE PAGES 39-47  
FOR PANEL INSTALLATION



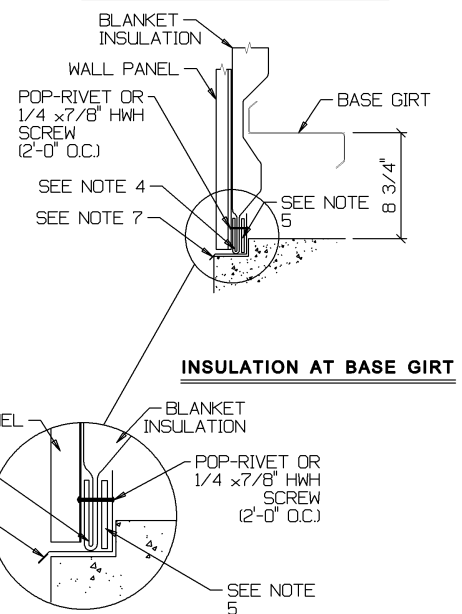
**INSULATION DETAIL AT JAMB**



**INSULATION AT BASE ANGLE**



**INSULATION AT BASE CHANNEL**



**INSULATION AT BASE GIRT**

**GENERAL NOTES**

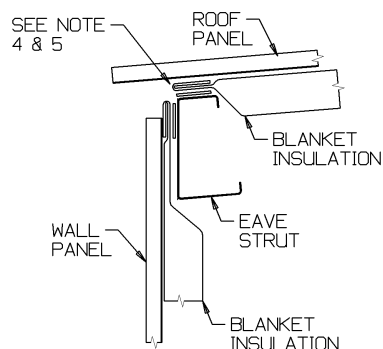
1. WHEN POULTRY NETTING IS TO BE USED WITH THE INSULATION IN THE WALLS, FIELD DRILL HOLES IN THE BASE ANGLE TO MATCH LOCATION OF RUNNER WIRES IN THE POULTRY NETTING; PUT RUNNER WIRES THROUGH HOLES AND TWIST TO SECURE WIRE AT BASE. ROLL WIRE OVER THE EAVE STRUT OR SHEETING ANGLE AT THE RAKE TO HOLD NETTING DURING PANEL AND INSULATION INSTALLATION. WHEN INSTALLATION IS COMPLETE, TRIM WIRE AT THE TOP ALONG WITH THE INSULATION.
2. WHEN POULTRY NETTING IS TO BE USED WITH THE INSULATION IN THE ROOF, FIELD NOTCH THE HIGH CROWNS OF THE WALL PANELS TO FORM A TAB, PULL POULTRY NETTING TIGHT, BEND TABS DOWN TO SECURE POULTRY NETTING.
3. RUNS OF POULTRY NETTING SHOULD NOT OVERLAP AT THE SIDES, PLACE RUNS SIDE BY SIDE AND TWIST RUNNER WIRES TOGETHER TO SECURE.
4. TRIM ABOUT 4" OF BLANKET INSULATION FROM FACING THEN FOLD FACING OVER INSULATION TO PREVENT WATER FROM WICKING INTO INSULATION.
5. DOUBLE FACED TAPE IS USED TO TEMPORARILY ATTACH THE ENDS OF THE INSULATION TO THE SECONDARY FRAMING MEMBERS WHILE PANELS ARE BEING ERECTED.
6. IF ERECTION DRAWINGS DO NOT INDICATE AN INSULATION LAYOUT: BEGIN INSULATING WITH ONE 4'-0" WIDE ROLL, CONTINUE INSULATING WITH 6'-0" WIDE ROLLS. INSULATION MAY TERMINATE WITH A 6'-0" OR 4'-0" WIDE ROLL. ERECTION DRAWINGS ALWAYS TAKE PRECEDENCE.



**ERECTION STANDARDS**

**Wall Insulation**

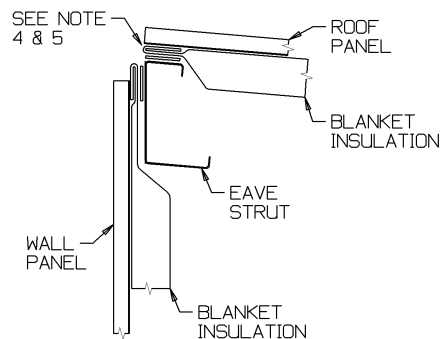
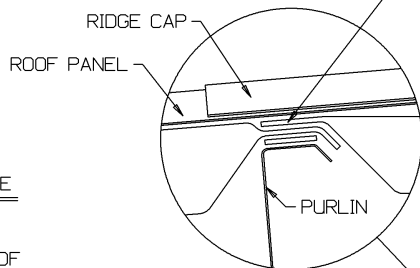
**PAGE**  
**35**



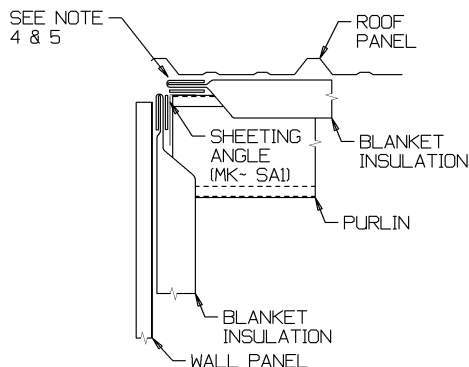
INSULATION DETAIL AT LOW-SIDE EAVE

ERECTOR NOTE! SEE PAGES 39-47  
FOR PANEL INSTALLATION

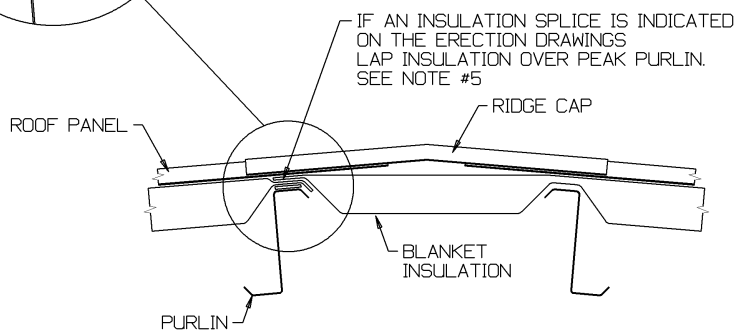
IF AN INSULATION SPLICE IS INDICATED  
ON THE ERECTION DRAWINGS  
LAP INSULATION OVER PEAK  
PURLIN. SEE NOTE #5



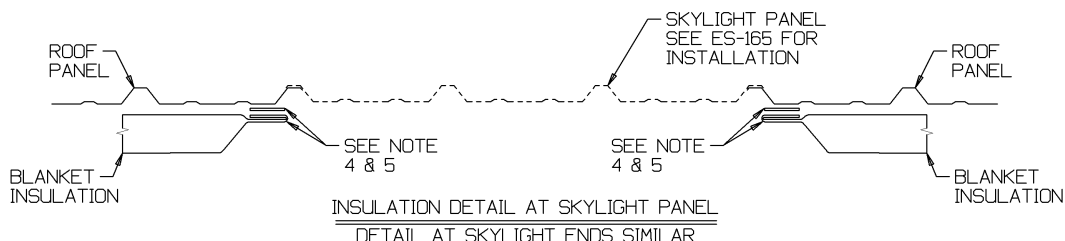
INSULATION DETAIL AT HIGH-SIDE EAVE



INSULATION DETAIL AT RAKE



INSULATION DETAIL AT PEAK



### GENERAL NOTES

1. WHEN POULTRY NETTING IS TO BE USED WITH THE INSULATION IN THE WALLS, FIELD DRILL HOLES IN THE BASE ANGLE TO MATCH LOCATION OF RUNNER WIRES IN THE POULTRY NETTING, PUT RUNNER WIRES THROUGH HOLES AND TWIST TO SECURE WIRE AT BASE. ROLL WIRE OVER THE EAVE STRUT OR SHEETING ANGLE AT THE RAKE TO HOLD NETTING DURING PANEL AND INSULATION INSTALLATION. WHEN INSTALLATION IS COMPLETE, TRIM WIRE AT THE TOP ALONG WITH THE INSULATION.
2. WHEN POULTRY NETTING IS TO BE USED WITH THE INSULATION IN THE ROOF, FIELD NOTCH THE HIGH CROWNS OF THE WALL PANELS TO FORM A TAB, PULL POULTRY NETTING TIGHT, BEND TABS DOWN TO SECURE POULTRY NETTING.
3. RUNS OF POULTRY NETTING SHOULD NOT OVERLAP AT THE SIDES, PLACE RUNS SIDE BY SIDE AND TWIST RUNNER WIRES TOGETHER TO SECURE.
4. TRIM ABOUT 4" OF BLANKET INSULATION FROM FACING THEN FOLD FACING OVER INSULATION TO PREVENT WATER FROM WICKING INTO INSULATION.
5. DOUBLE FACED TAPE IS USED TO TEMPORARILY ATTACH THE ENDS OF THE INSULATION TO THE SECONDARY FRAMING MEMBERS WHILE PANELS ARE BEING ERECTED.
6. IF ERECTION DRAWINGS DO NOT INDICATE AN INSULATION LAYOUT: BEGIN INSULATING WITH ONE 4'-0" WIDE ROLL. CONTINUE INSULATING WITH 6'-0" WIDE ROLLS. INSULATION MAY TERMINATE WITH A 6'-0" OR 4'-0" WIDE ROLL. ERECTION DRAWINGS ALWAYS TAKE PRECEDENCE.
7. BASE FLASHING IS RECOMMENDED (BUT NOT REQUIRED) WHEN INSTALLING WALL INSULATION IN COMBINATION WITH A BASE GIRT. ROPE SEAL OR DOUBLE FACED TAPE CAN BE USED TO TEMPORARILY HOLD THE BASE FLASHING IN PLACE DURING PANEL INSTALLATION.



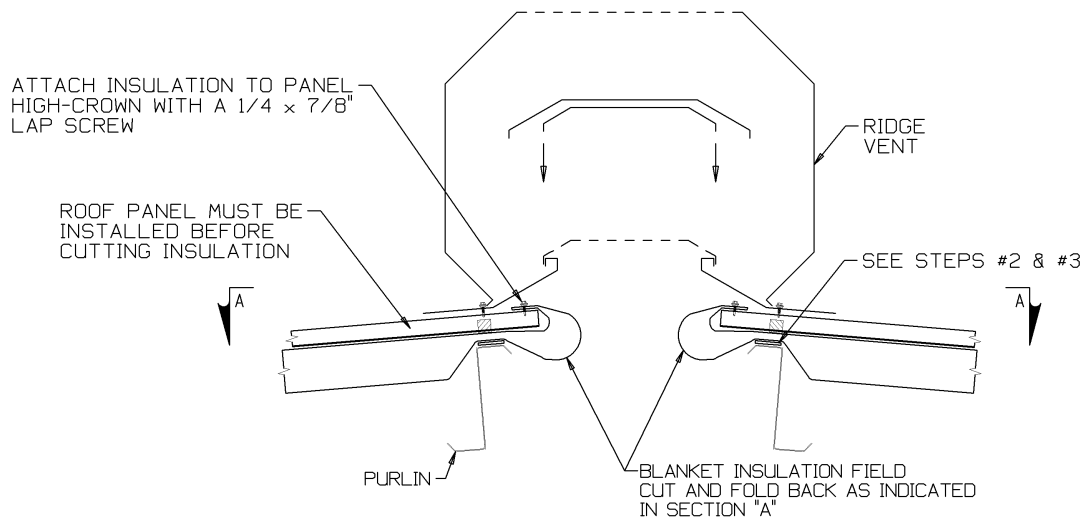
### ERECTION STANDARDS

## Roof Insulation

PAGE

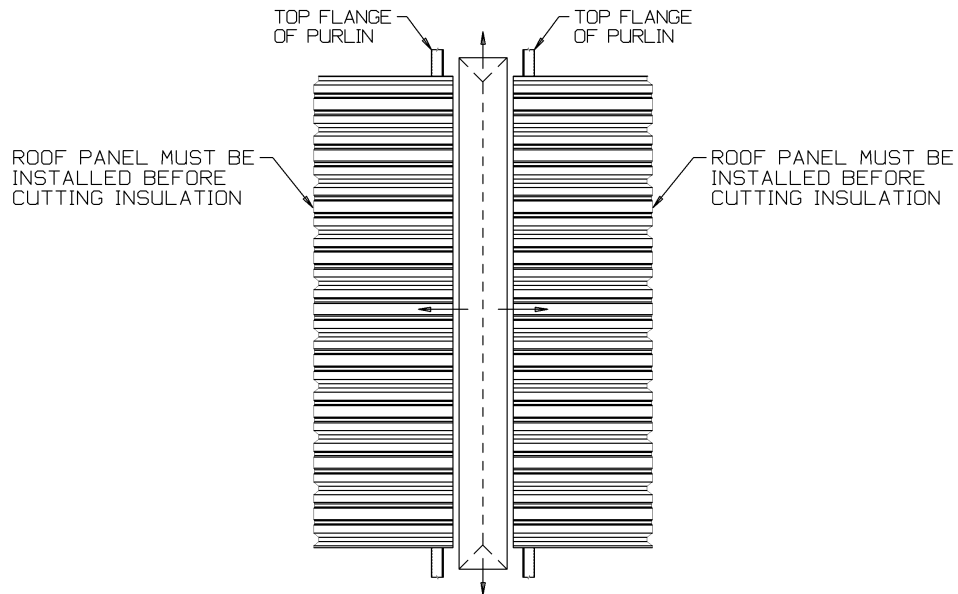
**36**





#### RIDGE VENT

ERECTOR NOTE! SEE PAGES 39-47  
FOR PANEL INSTALLATION



#### SECTION "A"

THE FOLLOWING STEPS SHOULD BE FOLLOWED WHEN INSTALLING INSULATION AT RIDGE VENTS:

STEP ONE: CUT INSULATION THROUGH THE MIDDLE OF THE RIDGE VENT OPENING AS SHOWN. THEN, CUT AT A DIAGONAL TO FORM A "V" AT THE ENDS.

STEP TWO: TRIM ABOUT 4" OF BLANKET INSULATION FROM FACING. THEN, FOLD THE FACING OVER THE INSULATION TO PREVENT WATER FROM WICKING INTO INSULATION.

STEP THREE: FOLD THE INSULATION UPWARDS TOWARDS THE RIDGE VENT AND BEND BACKWARDS UPON ITSELF.

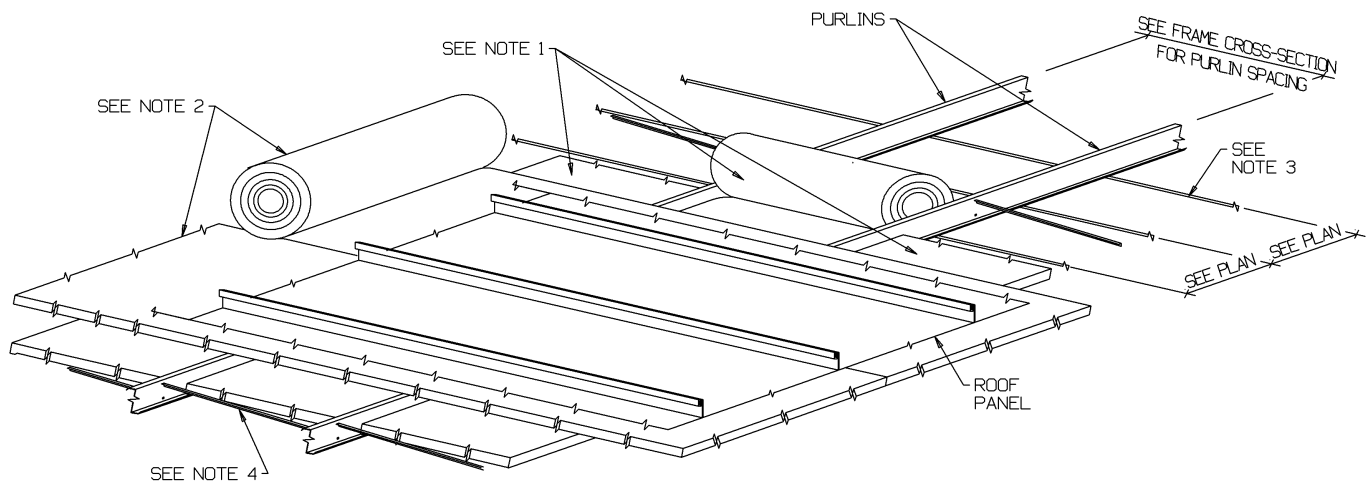
STEP FOUR: USE DOUBLE FACED TAPE TO TEMPORARILY ATTACH THE ENDS OF THE INSULATION TO THE PURLINS. PLACE THE ROOF PANELS AND RIDGE VENT ON TOP, FASTENING WITH 1/4" SCREW AND ROPE SEAL AS NOTED ON PAGES 29 AND 30.



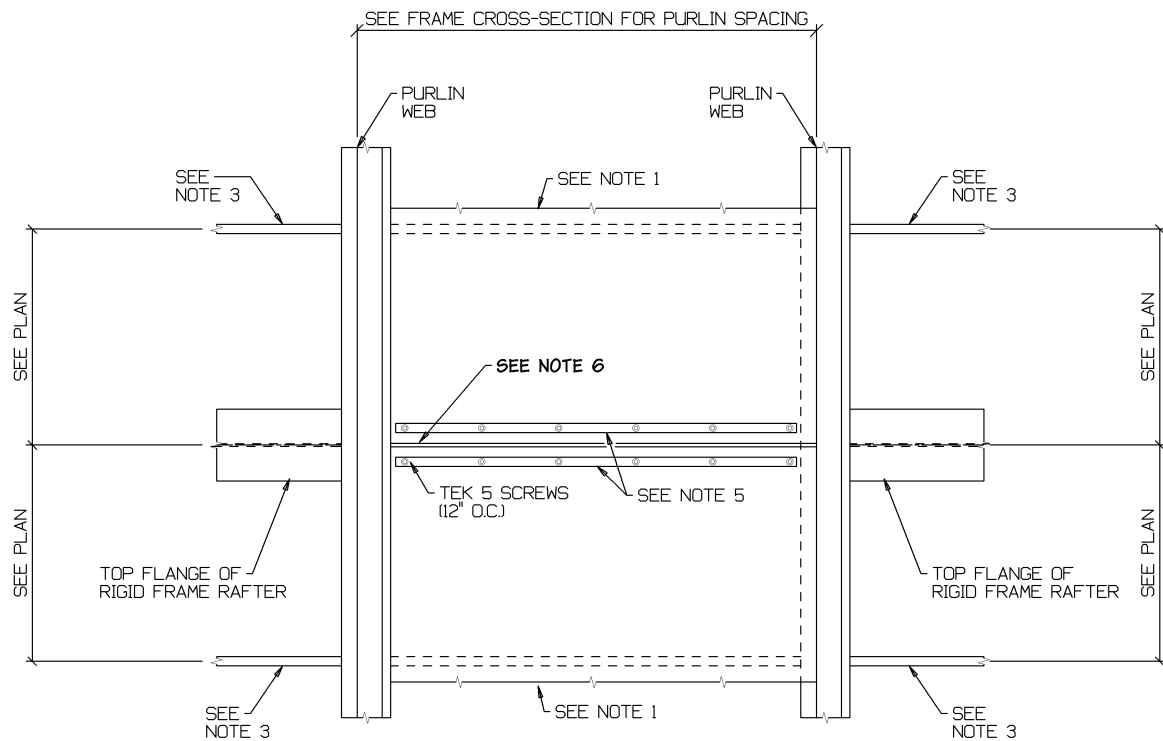
#### ERECTION STANDARDS

### Roof Insulation

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**TYPICAL DETAIL FOR INSTALLATION OF INSUL-BANDING INSULATION**



**DETAIL AT FACED INSULATION SPLICE**

**GENERAL NOTES**

1. FACED INSULATION INSTALLED BETWEEN THE PURLINS OVER THE RETAINER STRIPS. (PULL THE INSULATION TIGHT BEFORE FASTENING TO PREVENT SAGGING) . SEE ERECTION DRAWINGS FOR INSULATION & RETAINER STRIP LOCATIONS.
2. UNFACED INSULATION INSTALLED OVER THE PURLINS SEE ERECTION DRAWINGS FOR INSULATION LOCATIONS.
3. RETAINER STRIPS ATTACH TO BOTTOM OF PURLINS WITH #12x3/4" SELF-DRILLING SCREW WITHOUT WASHER. (ONE PER PURLIN) SEE ERECTION DRAWINGS FOR RETAINER STRIP LOCATIONS.
4. INSULATION MUST BE WORKED AROUND BRIDGING WHEN PRESENT.
5. RETAINER STRIPS (TYP) TWO RUNS OF RETAINER STRIPS HAVE BEEN SUPPLIED FOR EACH INTERIOR SPLICE LOCATION. SPLICE AT RIGID FRAME ONLY.
6. FIELD MODIFY INSULATION AT RIGID FRAME IF REQUIRED. PULL INSULATION TIGHT BEFORE FASTENING. SEE PLAN FOR SPLICE LOCATIONS.



**ERECTION STANDARDS**

**Roof Insulation**

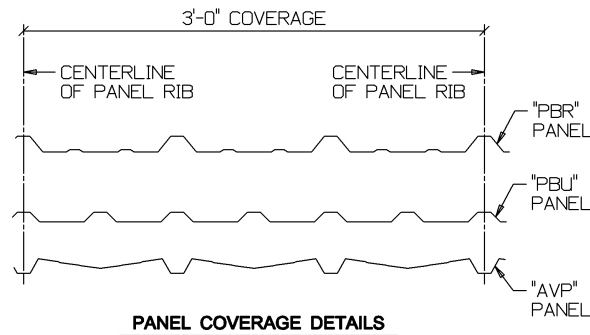
**PAGE**

**38**

# ERECTOR NOTE!! THE CORRECT PANEL COVERAGE MUST BE HELD OR THE TRIM WILL NEED TO BE REPLACED AT THE ERECTORS EXPENSE.

THE FOLLOWING STEPS SHOULD BE FOLLOWED WHEN INSTALLING METAL PANELS:

**STEP ONE: VERIFY THAT THE PANEL COVERAGE IS CORRECT. PANEL MANUFACTURERS ARE ALLOWED SOME TOLERANCE DURING THE FABRICATION PROCESS. THEREFORE, ALL PANELS ARE NOT FABRICATED WITH THE EXACT COVERAGE INTENDED. THE FOLLOWING DETAIL INDICATES THE INTENDED COVERAGE FOR THROUGH FASTENED PANELS.**

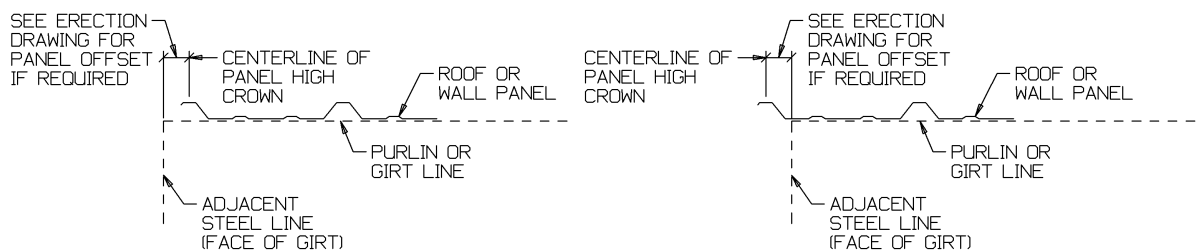


IF THE PANELS WERE FABRICATED WITH LESS COVERAGE THAN INDICATED, THE ERECTOR MUST GROW THE PANEL COVERAGE TO ACCOMMODATE (SEE STEP FOUR ON PAGE 41).

IF THE PANELS WERE FABRICATED WITH MORE COVERAGE THAN INDICATED, THE ERECTOR MUST SHRINK THE PANEL COVERAGE TO ACCOMMODATE (SEE STEP FIVE ON PAGE 42).

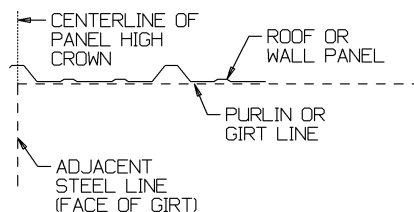
DURING ANY PANEL INSTALLATION, COVERAGE WILL NEED TO BE CHECKED PERIODICALLY TO DETERMINE IF THE PANELS SHOULD GROW OR SHRINK.

**STEP TWO: CHECK THE ERECTION DRAWING TO VERIFY BEGINNING AND ENDING PANEL OFFSET CONDITIONS. THE FOLLOWING SECTIONS ARE EXAMPLES:**



## **BEGINNING OR ENDING PANEL OFFSET SECTIONS**

IF NO SPECIFIC BEGINNING OR ENDING SECTION IS INDICATED, THE ERECTOR SHOULD BEGIN WITH THE CENTERLINE OF THE FIRST HIGH CROWN AT THE ADJACENT STEEL LINE (FACE OF GIRT) AS INDICATED IN THE FOLLOWING SECTION:



## **TYPICAL BEGINNING OR ENDING SECTION**



## **ERECTION STANDARDS**

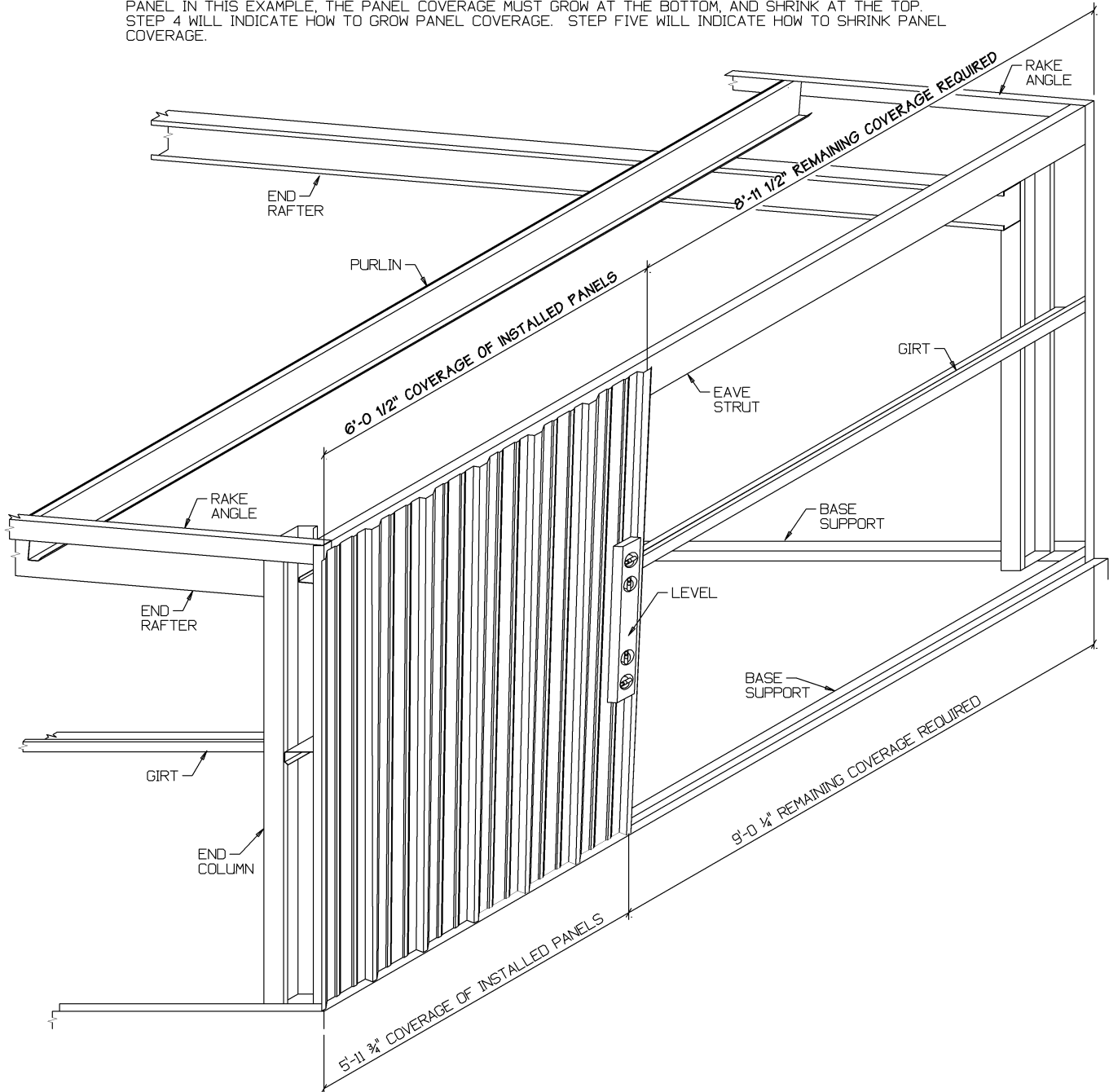
# **Maintaining Panel Coverage**

**PAGE**

**39**

# ERECTOR NOTE!! THE CORRECT PANEL COVERAGE MUST BE HELD OR THE TRIM WILL NEED TO BE REPLACED AT THE ERECTOR'S EXPENSE.

STEP THREE: INSTALL PANELS AS INDICATED ON PAGES 46 THRU 47 IN THIS HANDBOOK. EACH PANEL MUST BE CHECKED FOR STRAIGHTNESS. PANEL STRAIGHTNESS CAN BE CHECKED BY MEASURING THE COVERAGE OF THE INSTALLED PANELS, USING A 4'-0" LONG (MINIMUM) LEVEL AGAINST THE PANEL HIGH-CROWN, USING A LASER LEVEL, OR MARKING THE EAVESTRUT AND CONCRETE WITH THE APPROPRIATE COVERAGE FOR EACH PANEL (EXAMPLE... EVERY 3 FEET FOR "PBR" PANEL). IN THE EXAMPLE BELOW, PANEL COVERAGE HAS GROWN AT THE TOP OF THE PANELS, AND SHRANK AT THE BOTTOM OF THE PANELS. TO CORRECT THE STRAIGHTNESS OF THE PANEL IN THIS EXAMPLE, THE PANEL COVERAGE MUST GROW AT THE BOTTOM, AND SHRINK AT THE TOP. STEP 4 WILL INDICATE HOW TO GROW PANEL COVERAGE. STEP FIVE WILL INDICATE HOW TO SHRINK PANEL COVERAGE.



## ERECTION STANDARDS

## Maintaining Panel Coverage

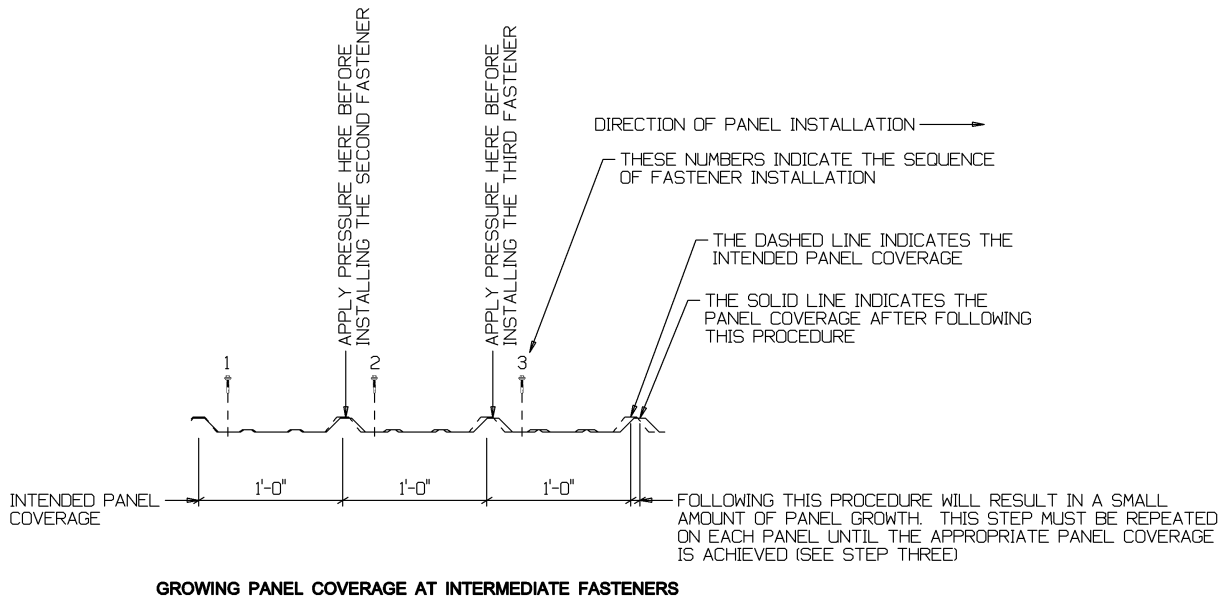
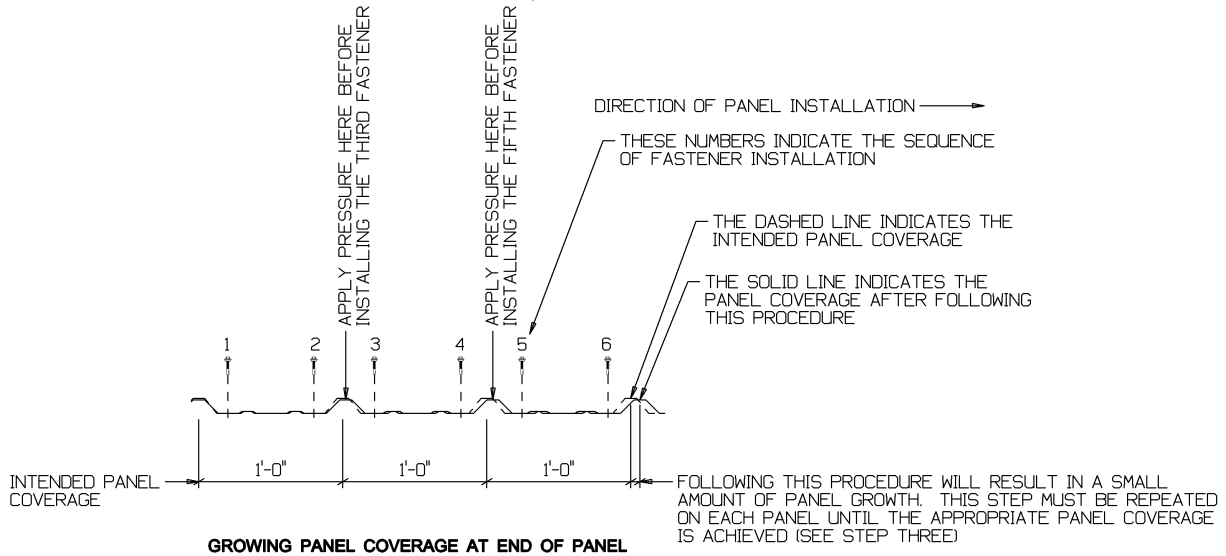
PAGE

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# ERECTOR NOTE!! THE CORRECT PANEL COVERAGE MUST BE HELD OR THE TRIM WILL NEED TO BE REPLACED AT THE ERECTOR'S EXPENSE.

STEP FOUR: IF IT IS DETERMINED THAT PANEL COVERAGE NEEDS TO GROW, FOLLOW THE PROCEDURE BELOW. IF PANEL COVERAGE NEEDS TO SHRINK, SKIP TO STEP 5.

TO GROW PANEL COVERAGE, FASTENERS MUST BE INSTALLED IN THE SAME DIRECTION THAT THE PANELS ARE BEING INSTALLED (REFERENCE SECTIONS BELOW). APPLY PRESSURE TO THE TOP OF THE HIGH-CROWN TO THE LEFT OF THE SCREWS BEING INSTALLED, BEFORE THE SCREW(S) ARE INSTALLED.



ERECTOR NOTE!! BE CAREFUL TO GROW ROOF PANELS NEAR THE  
PEAK OF A BUILDING IN SMALL INCREMENTS WHEN  
USING RIDGE CAPS. RIDGE CAPS WILL NOT GROW  
AS MUCH AS THE ROOF PANEL.



## ERECTION STANDARDS

## Maintaining Panel Coverage

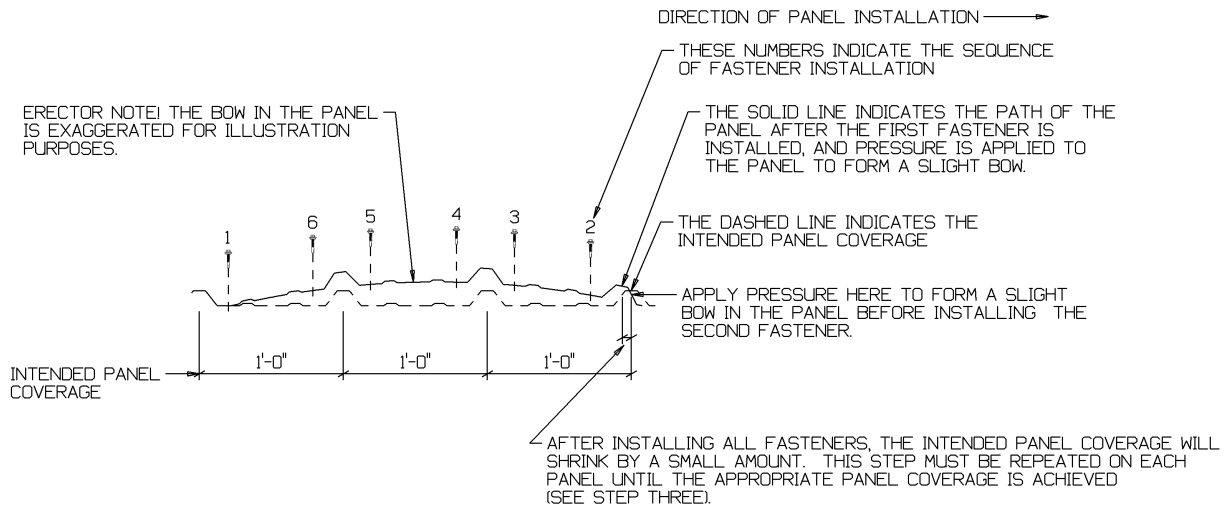
PAGE

41

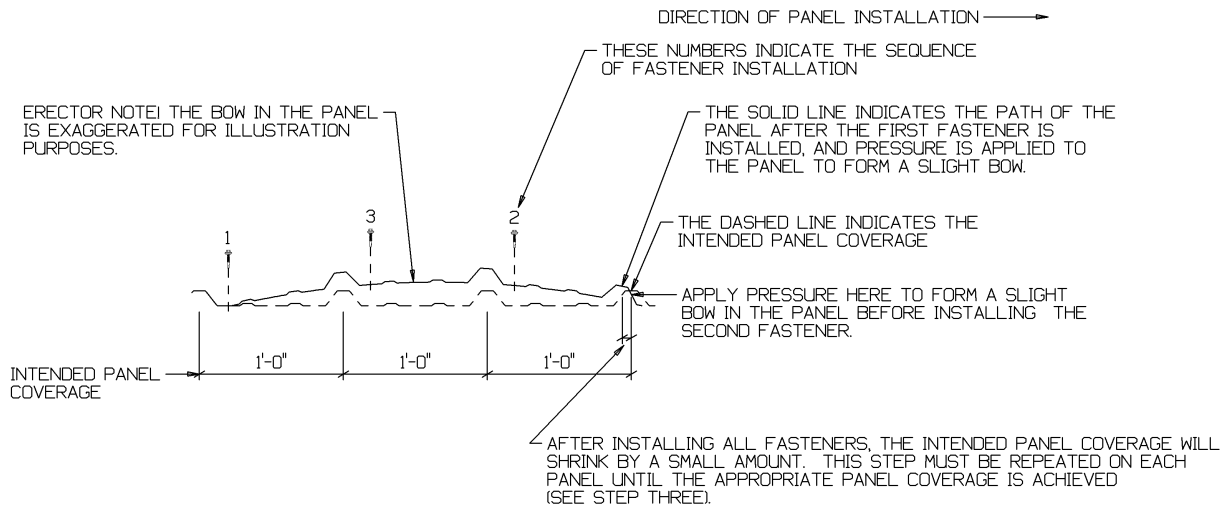
## ERECTOR NOTE!! THE CORRECT PANEL COVERAGE MUST BE HELD OR THE TRIM WILL NEED TO BE REPLACED AT THE ERECTOR'S EXPENSE.

STEP FIVE: IF IT IS DETERMINED THAT PANEL COVERAGE NEEDS TO SHRINK, FOLLOW THE PROCEDURE BELOW. IF PANEL COVERAGE NEEDS TO GROW, SEE STEP 4.

FIRST, INSTALL SCREW #1, THEN APPLY PRESSURE TO THE OPPOSITE END OF THE PANEL TO FORM A SLIGHT BOW IN THE PANEL (SEE SECTION BELOW).



### SHRINKING PANEL COVERAGE AT END OF PANEL



### SHRINKING PANEL COVERAGE AT INTERMEDIATE FASTENERS

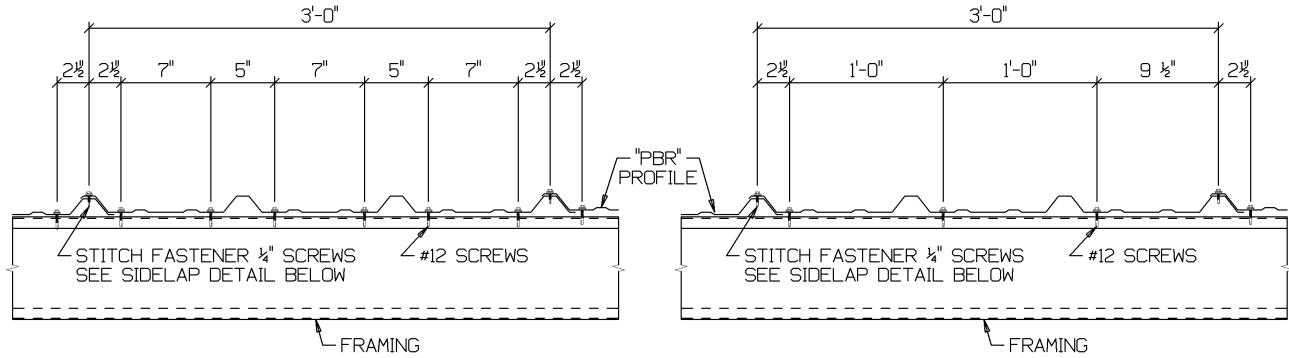


#### ERECTION STANDARDS

### Maintaining Panel Coverage

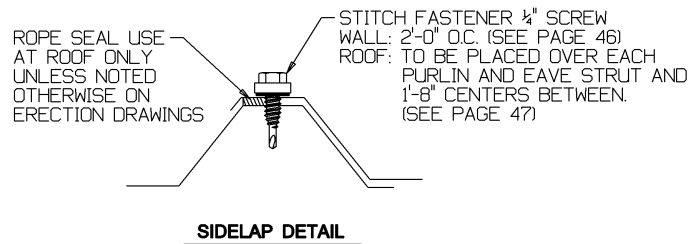
PAGE  
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## "PBR" PROFILE FASTENER SPACING FOR ROOF OR WALLS



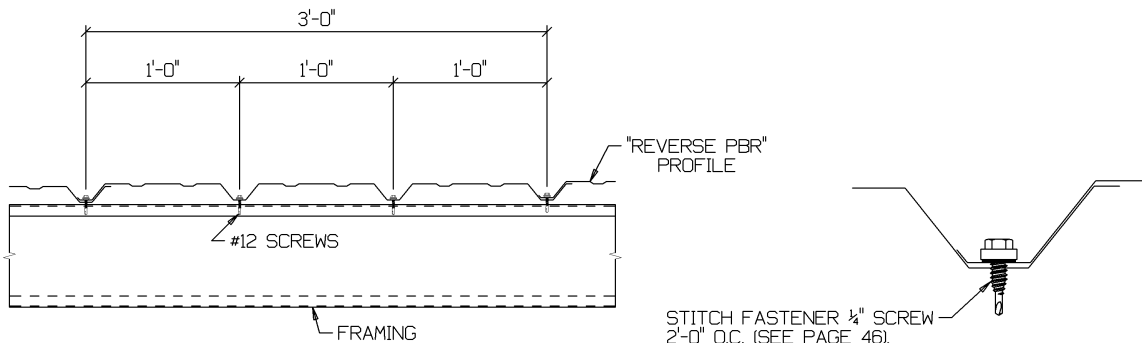
**FASTENER LOCATION AT PANEL ENDS AND ENDLAPS**

**FASTENER LOCATION AT INTERMEDIATE FRAMING**



NOTE:  
SCREW INSTALLATION - TYLER BUILDING SYSTEMS' STANDARD ROOF, WALL, AND TRIM SCREWS ARE SELF-DRILLING AND SHOULD BE INSTALLED USING A SCREW GUN TURNING AT A MAXIMUM OF 2,000 RPM. SERIES 300 STAINLESS STEEL SCREWS ARE NOT SELF-DRILLING SCREWS. PANELS AND SECONDARY STRUCTURAL MATERIAL MUST BE PRE-DRILLED BEFORE INSTALLING SERIES 300 STAINLESS STEEL SCREWS. SERIES 300 STAINLESS STEEL SCREWS SHOULD BE INSTALLED WITH A SCREW GUN TURNING AT 800 RPM. USING A SCREW GUN TURNING FASTER THAN THE SPEEDS RECOMMENDED WILL DAMAGE THE SCREWS.

## "REVERSE PBR" PROFILE FASTENER SPACING FOR WALLS ONLY



**FASTENER LOCATION AT PANEL ENDS, ENDLAPS AND INTERMEDIATE LOCATIONS**

**SIDELAP DETAIL**

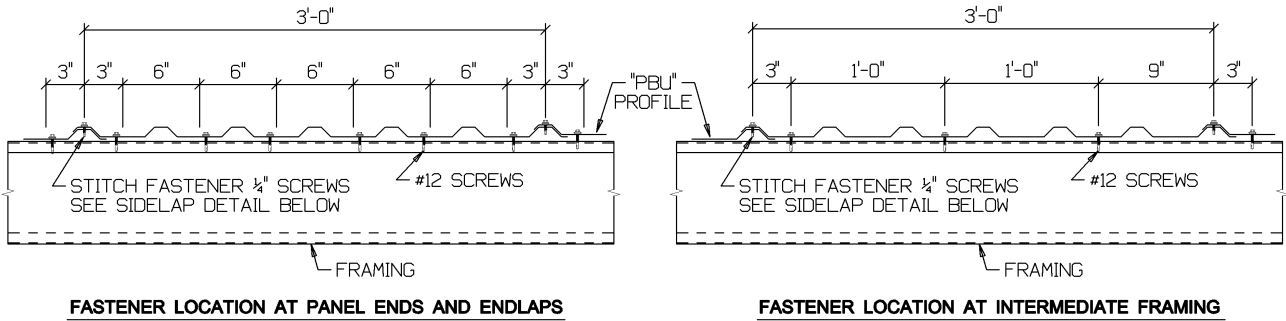


### ERECTION STANDARDS

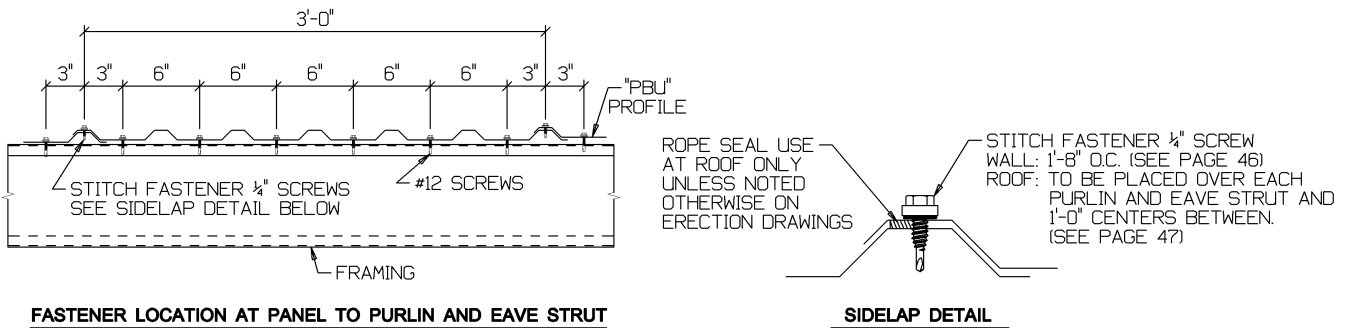
## Panel Fasteners

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## "PBU" PROFILE FASTENER SPACING FOR WALLS ONLY

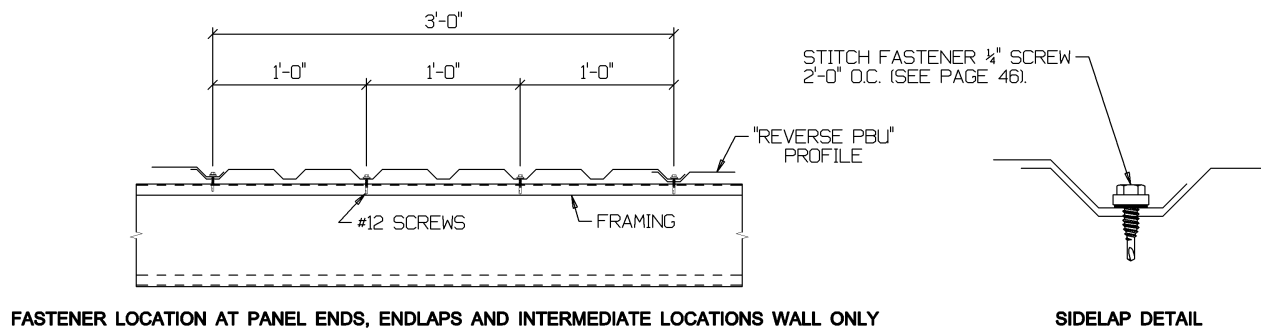


## "PBU" PROFILE FASTENER SPACING FOR ROOF ONLY



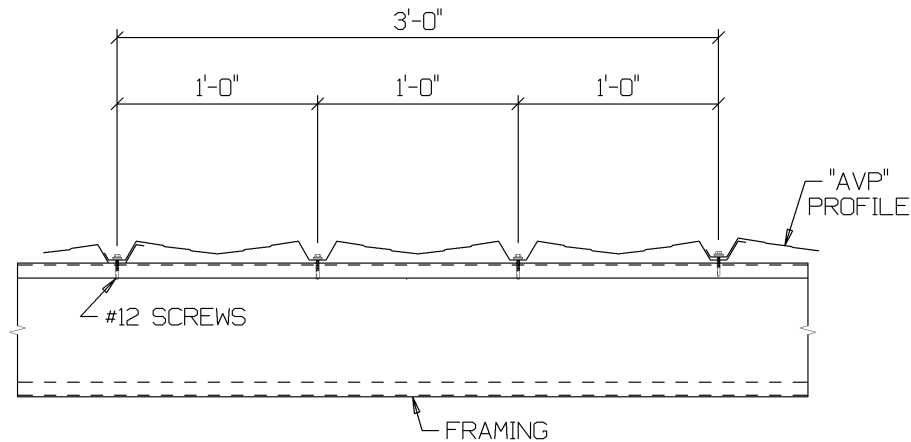
NOTE:  
SCREW INSTALLATION - TYLER BUILDING SYSTEMS' STANDARD ROOF, WALL, AND TRIM SCREWS ARE SELF-DRILLING AND SHOULD BE INSTALLED USING A SCREW GUN TURNING AT A MAXIMUM OF 2,000 RPM. SERIES 300 STAINLESS STEEL SCREWS ARE NOT SELF-DRILLING SCREWS. PANELS AND SECONDARY STRUCTURAL MATERIAL MUST BE PRE-DRILLED BEFORE INSTALLING SERIES 300 STAINLESS STEEL SCREWS. SERIES 300 STAINLESS STEEL SCREWS SHOULD BE INSTALLED WITH A SCREW GUN TURNING AT 800 RPM. USING A SCREW GUN TURNING FASTER THAN THE SPEEDS RECOMMENDED WILL DAMAGE THE SCREWS.

## "REVERSE PBU" PROFILE FASTENER SPACING FOR WALLS ONLY

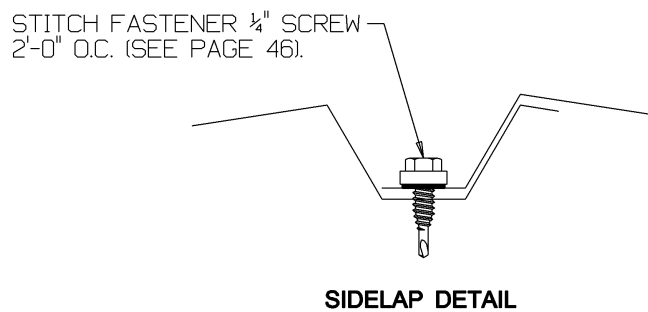




## "AVP" PROFILE FASTENER SPACING FOR WALLS ONLY



### FASTENER LOCATION AT PANEL ENDS, ENDLAPS AND INTERMEDIATE LOCATIONS



#### NOTE:

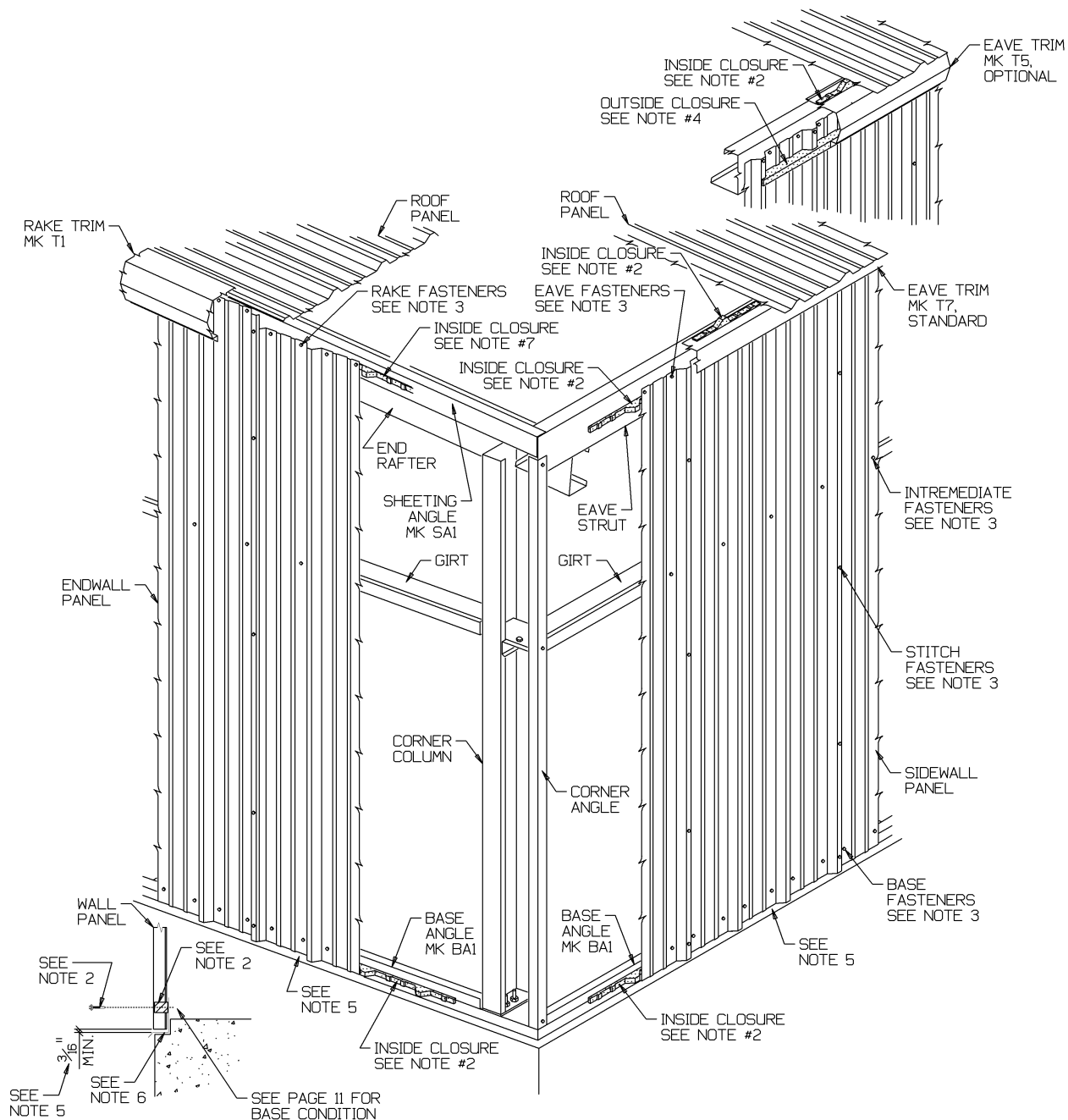
SCREW INSTALLATION - TYLER BUILDING SYSTEMS' STANDARD ROOF, WALL, AND TRIM SCREWS ARE SELF-DRILLING AND SHOULD BE INSTALLED USING A SCREW GUN TURNING AT A MAXIMUM OF 2,000 RPM. SERIES 300 STAINLESS STEEL SCREWS ARE NOT SELF-DRILLING SCREWS. PANELS AND SECONDARY STRUCTURAL MATERIAL MUST BE PRE-DRILLED BEFORE INSTALLING SERIES 300 STAINLESS STEEL SCREWS. SERIES 300 STAINLESS STEEL SCREWS SHOULD BE INSTALLED WITH A SCREW GUN TURNING AT 800 RPM. USING A SCREW GUN TURNING FASTER THAN THE SPEEDS RECOMMENDED WILL DAMAGE THE SCREWS.



#### ERECTION STANDARDS

### Panel Fasteners

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## WARRANTY NOTICE

## GENERAL NOTES

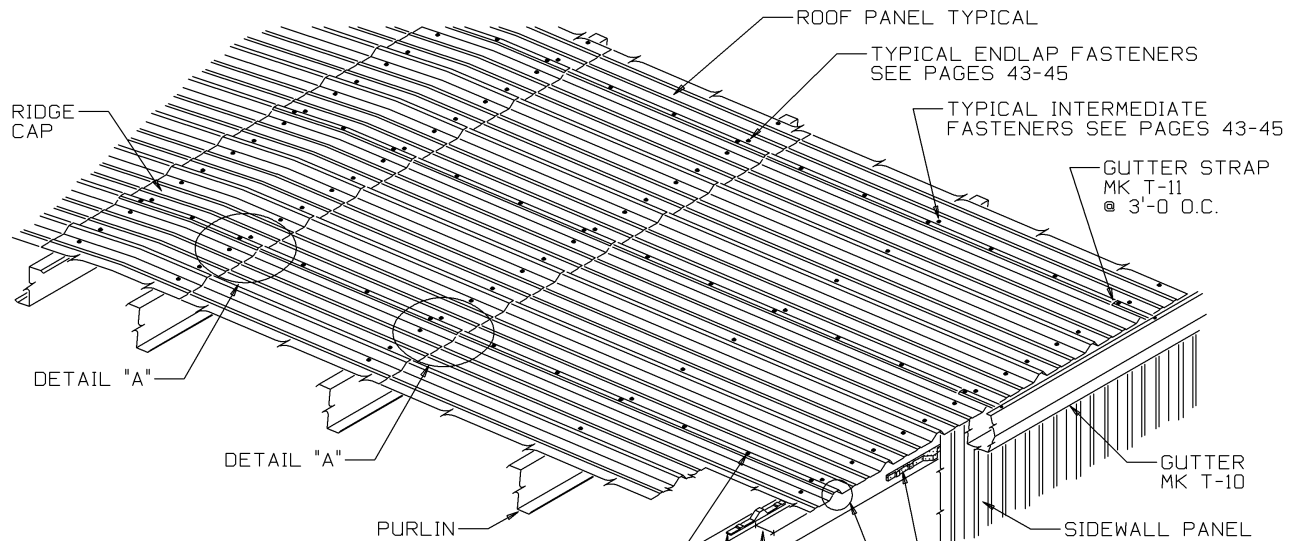
1. WALL FASTENERS ARE COLOR COATED TO COORDINATE WITH PANELS.
2. INSIDE CLOSURES AT THIS LOCATION ARE PROVIDED ONLY IF THE BUILDING IS UN-INSULATED OR SPRAY-FOAM INSULATION WILL BE USED.
3. FOR FASTENER TYPE AND SPACING SEE PAGES 43-45
4. NOT INCLUDED WITH T7 EAVE TRIM.
5. IN ORDER TO MAINTAIN THE WARRANTY, THE WALL PANELS MUST NOT TOUCH THE BOTTOM OF THE BASE FLASHING OR SHEETING NOTCH.
6. BASE FLASHING IS OPTIONAL, AND WILL NOT BE SUPPLIED UNLESS NOTED ON THE ERECTION DRAWINGS. SEE PAGE 11 FOR ATTACHMENT.
7. INSIDE CLOSURES AT THIS LOCATION ARE PROVIDED ONLY IF SPRAY FOAM INSULATION WILL BE INSTALLED AND THE ROOF SLOPE IS LESS THAN 3:12. "PBR" PLUGS WILL BE SUPPLIED WHEN SPRAY FOAM INSULATION WILL BE INSTALLED AND THE ROOF SLOPE IS GREATER THAN 3:12.



## ERECTION STANDARDS

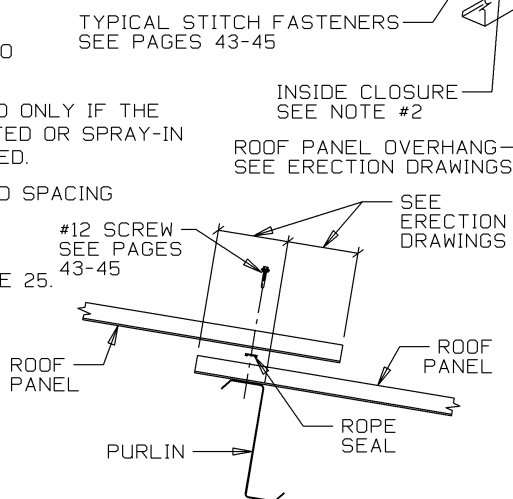
## Wall Panels

**PAGE**  
**46**

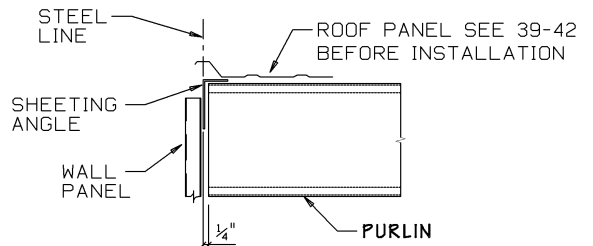


**NOTES:**

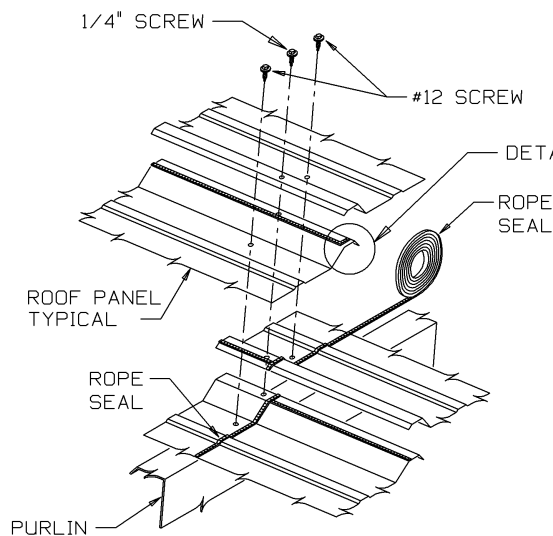
1. ALL ROOF FASTENERS TO BE LONG LIFE.
2. CLOSURES ARE PROVIDED ONLY IF THE BUILDING IS UN-INSULATED OR SPRAY-IN INSULATION WILL BE USED.
3. FOR FASTENER TYPE AND SPACING SEE PAGES 43-45.
4. FOR UL90 SKYLIGHT INSTALLATION SEE PAGE 25.



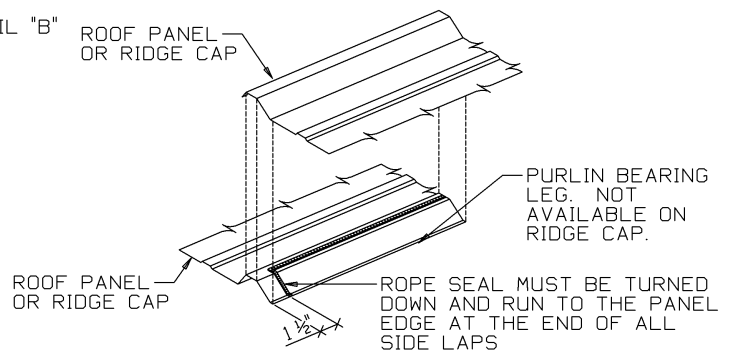
**SECTION AT ROOF PANEL END LAP**



**SECTION AT RAKE**



**DETAIL "A"**



**DETAIL "B"**

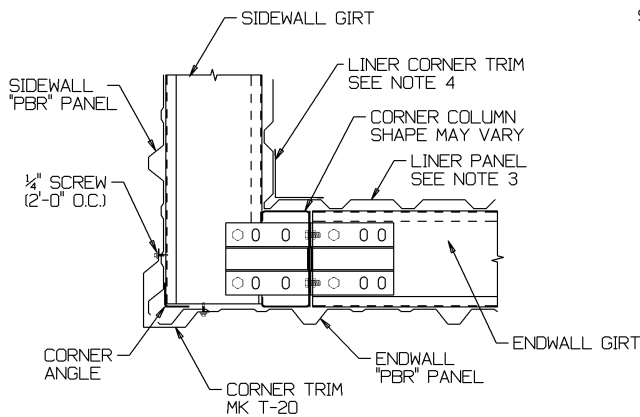


**ERECTION STANDARDS**

**Roof Panels**

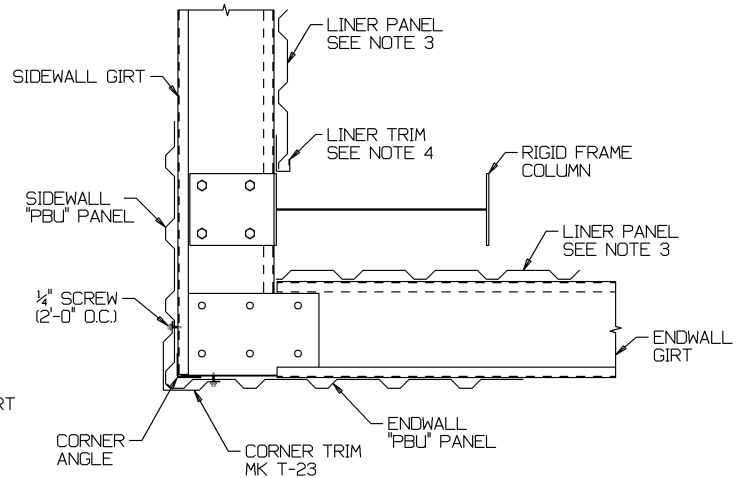
**PAGE**

**47**



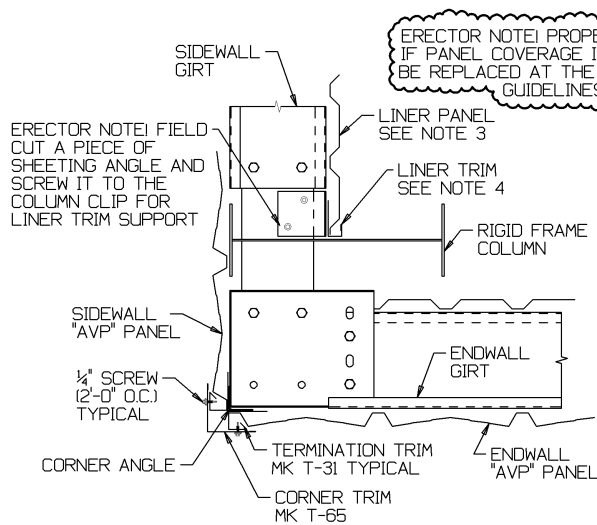
**TYPICAL SECTION AT T-20 CORNER TRIM**

LINER SECTION AT BEARING FRAME



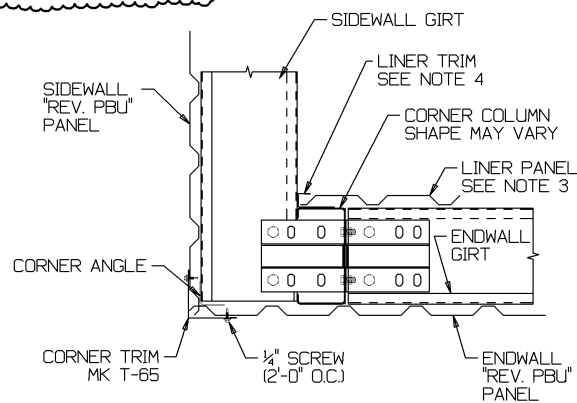
**TYPICAL SECTION AT T-23 CORNER TRIM**

LINER SECTION AT RIGID END FRAME BYPASS GIRTS



**TYPICAL SECTION AT T-65 CORNER TRIM**

LINER SECTION AT RIGID END FRAME FLUSH GIRTS



**TYPICAL SECTION AT T-65 CORNER TRIM**

LINER AT ENDWALL ONLY SECTION AT BEARING FRAME

## NOTES

1. ALL TRIM SPLICES REQUIRE 1½" MIN. LAP  
RAKE TRIM: 6 POP RIVETS & CAULK REQUIRED  
GUTTER: 6 POP RIVETS & CAULK REQUIRED  
DOWNSPOUT: 6 POP RIVETS REQUIRED  
EAVE TRIM: 4 POP RIVETS REQUIRED  
CORNER TRIM: 4 POP RIVETS REQUIRED
2. ERECTOR NOTE PANEL MODULE MUST BE HELD OR NEW CORNER TRIM WILL NEED TO BE PURCHASED AT THE BUYER'S EXPENSE
3. LINER PANELS ARE ONLY PROVIDED IF INDICATED ON THE ERECTION DRAWINGS AND BILL OF MATERIALS
4. LINER TRIM SEE ERECTION DRAWINGS FOR TRIM PIECE MARKS

## NOTICE

TRIM PIECES ARE PROTECTED WITH A STRIPPABLE FILM TO PRESERVE THE COLOR FINISH DURING MANUFACTURING AND SHIPMENT. THIS FILM MUST BE COMPLETELY REMOVED PRIOR TO INSTALLATION OR WITHIN 20 DAYS OF RECEIPT, WHICHEVER OCCURS FIRST. THE INSTALLER MAY CHOOSE TO REMOVE THE FILM AFTER INSTALLATION, BUT THE REMOVAL PROCESS WILL BE MORE DIFFICULT. FAILURE TO COMPLY WITH THIS NOTICE MAY RESULT IN DETERIORATION OF THE COLOR FINISH, NULLIFYING THE WARRANTY IN PART OR TOTAL.

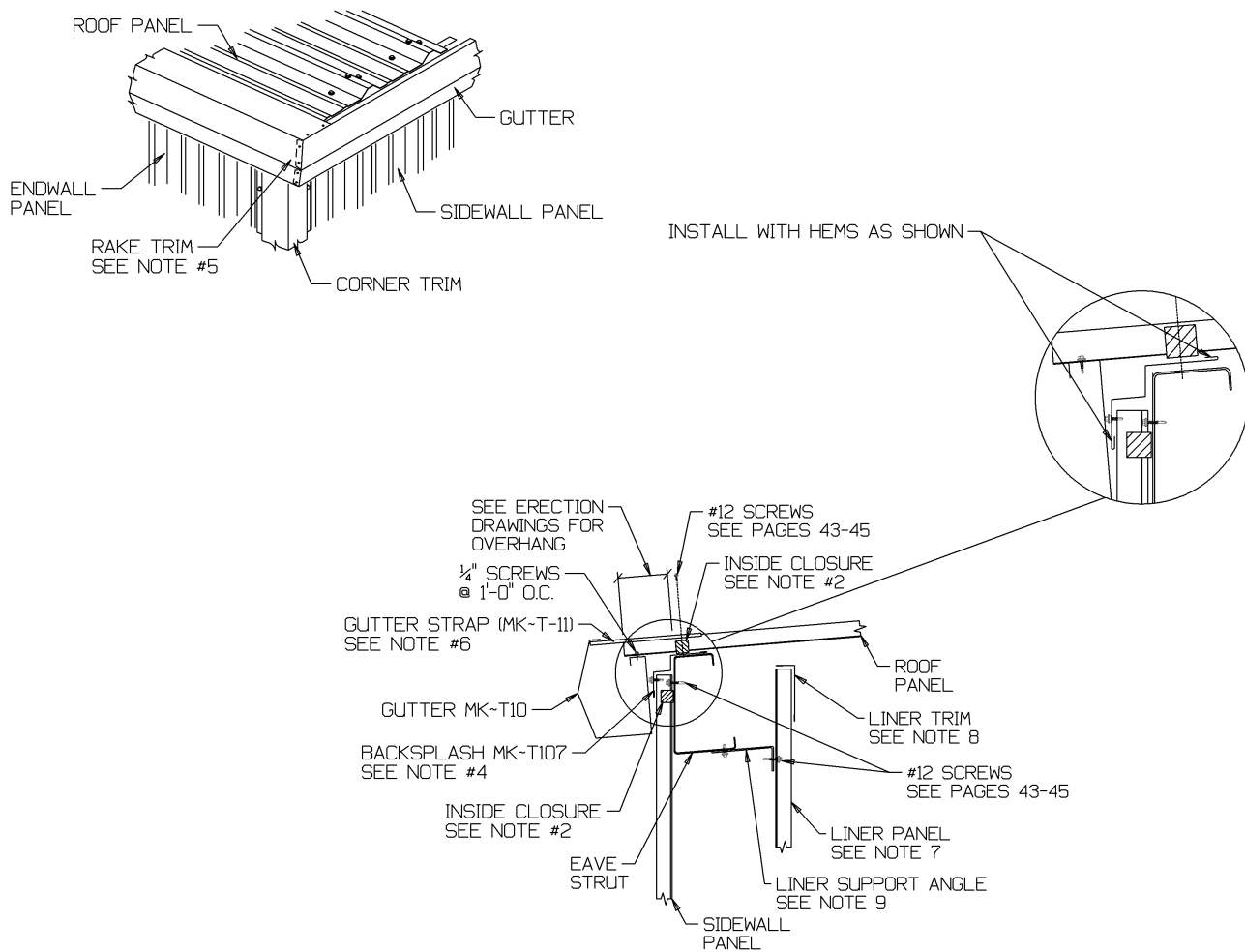


## ERECTION STANDARDS

## Corner Trim

PAGE

48



TYPICAL SECTION AT T-10 GUTTER

## NOTES

- ALL TRIM SPLICES REQUIRE  $1\frac{1}{2}$ " MIN. LAP.  
RAKE TRIM: 6 POP RIVETS & CAULK REQUIRED  
GUTTER: 6 POP RIVETS & CAULK REQUIRED  
DOWNSPOUT: 6 POP RIVETS REQUIRED  
EAVE TRIM: 4 POP RIVETS REQUIRED  
CORNER TRIM: 4 POP RIVETS REQUIRED
- INSIDE CLOSURES AT THIS LOCATION ARE PROVIDED ONLY IF THE BUILDING IS UN-INSULATED OR SPRAY-FOAM INSULATION WILL BE USED.
- NOT USED
- BACKSPLASH TRIM IS OPTIONAL, AND WILL NOT BE INCLUDED UNLESS NOTED ON THE ERECTION DRAWINGS AND THE BILL OF MATERIALS. BACKSPLASH MUST BE INSTALLED BEFORE THE ROOF PANELS. ALL BACKSPLASH SPLICES SHOULD BE CAULKED AND RIVETED. FASTEN BACKSPLASH TO THE WALL PANEL HIGH CROWNS WITH  $\frac{1}{4} \times \frac{3}{8}$ " HWH SCREWS 12" O.C. TO PREVENT VIBRATION NOISE.
- FIELD MITER RAKE TRIM TO MATCH GUTTER FIT GUTTER INSIDE RAKE TRIM AND FIELD RIVET. (6 POP RIVETS REQUIRED)
- ATTACH GUTTER STRAP TO GUTTER AND ROOF PANEL HIGHCROWN WITH  $\frac{1}{4} \times \frac{3}{8}$ " LONG LIFE SCREWS. GUTTER STRAPS SHOULD BE INSTALLED AT 3'-0" CENTERS UNLESS NOTED OTHERWISE ON THE ERECTION DRAWINGS
- LINER PANELS ARE ONLY SUPPLIED WHEN INDICATED ON THE ERECTION DRAWINGS AND BILL OF MATERIALS.
- LINER TRIM SEE ERECTION DRAWINGS FOR TRIM PIECE MARKS.
- LINER SUPPORT ANGLE IS ONLY SUPPLIED IF LINER PANELS ARE REQUIRED ATTACH LINER SUPPORT ANGLE TO EAVESTRUT WITH  $\frac{1}{2} \times \frac{3}{4}$ " HWH SCREWS (24" O.C.). SEE ERECTION DRAWINGS FOR LINER SUPPORT ANGLE PIECE MARK.

## NOTICE

TRIM PIECES ARE PROTECTED WITH A STRIPPABLE FILM TO PRESERVE THE COLOR FINISH DURING MANUFACTURING AND SHIPMENT. THIS FILM MUST BE COMPLETELY REMOVED PRIOR TO INSTALLATION OR WITHIN 20 DAYS OF RECEIPT. WHICHEVER OCCURS FIRST. THE INSTALLER MAY CHOOSE TO REMOVE THE FILM AFTER INSTALLATION, BUT THE REMOVAL PROCESS WILL BE MORE DIFFICULT. FAILURE TO COMPLY WITH THIS NOTICE MAY RESULT IN DETERIORATION OF THE COLOR FINISH, NULLIFYING THE WARRANTY IN PART OR TOTAL.

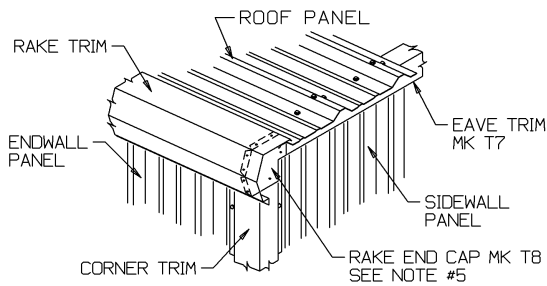


### ERECTION STANDARDS

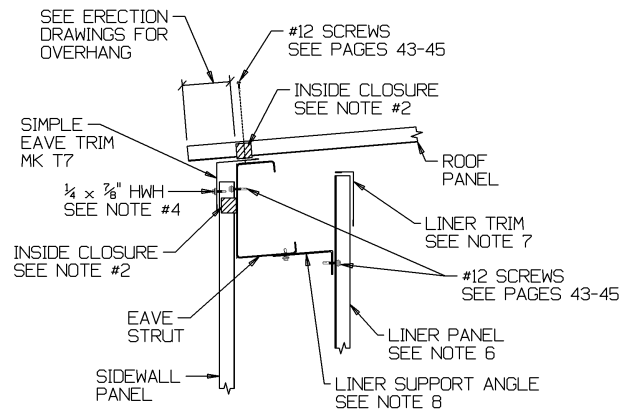
## Eave Trim

PAGE

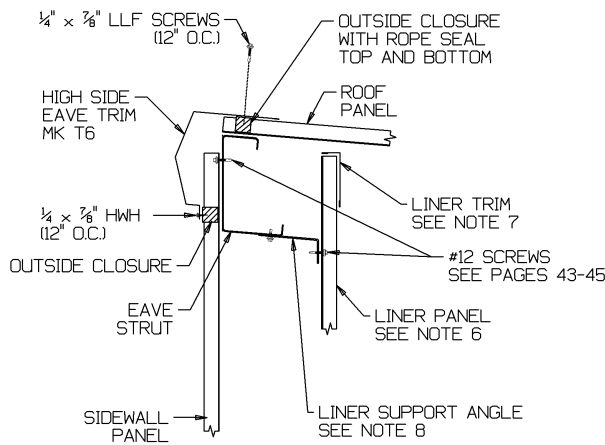
49



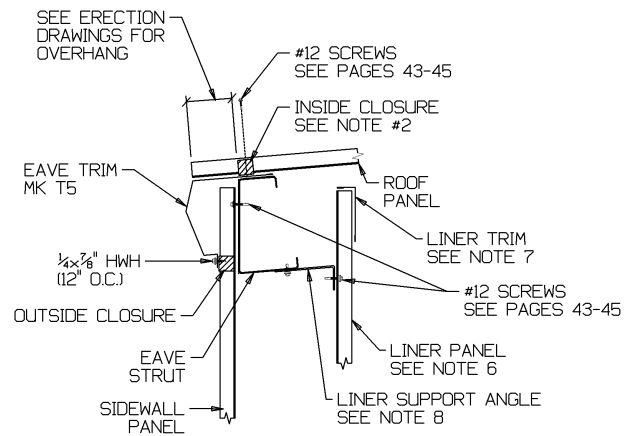
**SIMPLE EAVE TRIM TO RAKE TRIM DETAIL**



**TYPICAL SECTION AT SIMPLE EAVE TRIM**  
OPTIONAL FULL HEIGHT LINER



**TYPICAL SECTION AT HIGH SIDE EAVE TRIM**  
OPTIONAL FULL HEIGHT LINER



**TYPICAL SECTION AT SCULPTURED EAVE TRIM**  
OPTIONAL FULL HEIGHT LINER

## NOTES

- ALL TRIM SPLICES REQUIRE  $1\frac{1}{2}$ " MIN. LAP  
RAKE TRIM: 6 POP RIVETS & CAULK REQUIRED  
GUTTER: 6 POP RIVETS & CAULK REQUIRED  
DOWNSPOUT: 6 POP RIVETS REQUIRED  
EAVE TRIM: 4 POP RIVETS REQUIRED  
CORNER TRIM: 4 POP RIVETS REQUIRED
- INSIDE CLOSURES AT THIS LOCATION ARE PROVIDED ONLY IF THE BUILDING IS UN-INSULATED OR SPRAY-FOAM INSULATION WILL BE USED.
- NOT USED
- EAVE TRIM MUST BE INSTALLED BEFORE THE ROOF PANELS. ALL EAVE TRIM SPLICES SHOULD BE CAULKED AND RIVETED. FASTEN EAVE TRIM TO THE WALL PANEL HIGH CROWNS WITH  $1/4 \times 7/8$ " HWH SCREWS 12" O.C. TO PREVENT VIBRATION NOISE.
- FIELD CUT RAKE END CAP TO CLOSE IN OPENING AT RAKE TRIM AND ROOF PANEL. FIT RAKE END CAP INSIDE RAKE TRIM AND FIELD RIVET TO RAKE, EAVE AND CORNER TRIM. (8 POP RIVETS REQUIRED)
- LINER PANELS ARE ONLY SUPPLIED WHEN INDICATED ON THE ERECTION DRAWINGS AND BILL OF MATERIALS.
- LINER TRIM SEE ERECTION DRAWINGS FOR TRIM PIECE MARKS.
- LINER SUPPORT ANGLE IS ONLY SUPPLIED IF LINER PANELS ARE REQUIRED ATTACH LINER SUPPORT ANGLE TO EAVESTRUT WITH  $1/2 \times 3/4$ " HWH SCREWS (24" O.C.). SEE ERECTION DRAWINGS FOR LINER SUPPORT ANGLE PIECE MARK.

## NOTICE

TRIM PIECES ARE PROTECTED WITH A STRIPPABLE FILM TO PRESERVE THE COLOR FINISH DURING MANUFACTURING AND SHIPMENT. THIS FILM MUST BE COMPLETELY REMOVED PRIOR TO INSTALLATION OR WITHIN 20 DAYS OF RECEIPT, WHICHEVER OCCURS FIRST. THE INSTALLER MAY CHOOSE TO REMOVE THE FILM AFTER INSTALLATION, BUT THE REMOVAL PROCESS WILL BE MORE DIFFICULT. FAILURE TO COMPLY WITH THIS NOTICE MAY RESULT IN DETERIORATION OF THE COLOR FINISH, NULLIFYING THE WARRANTY IN PART OR TOTAL.

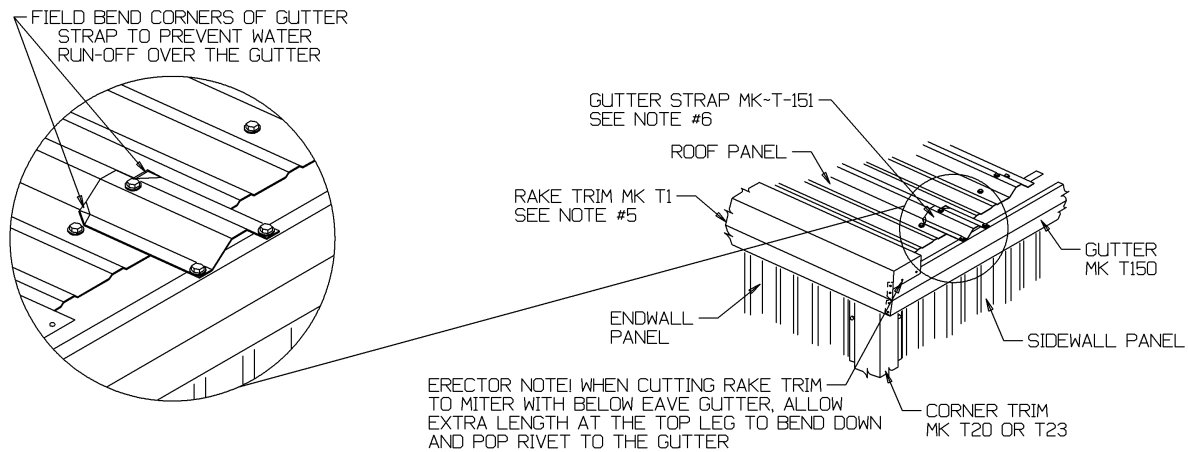


### ERECTION STANDARDS

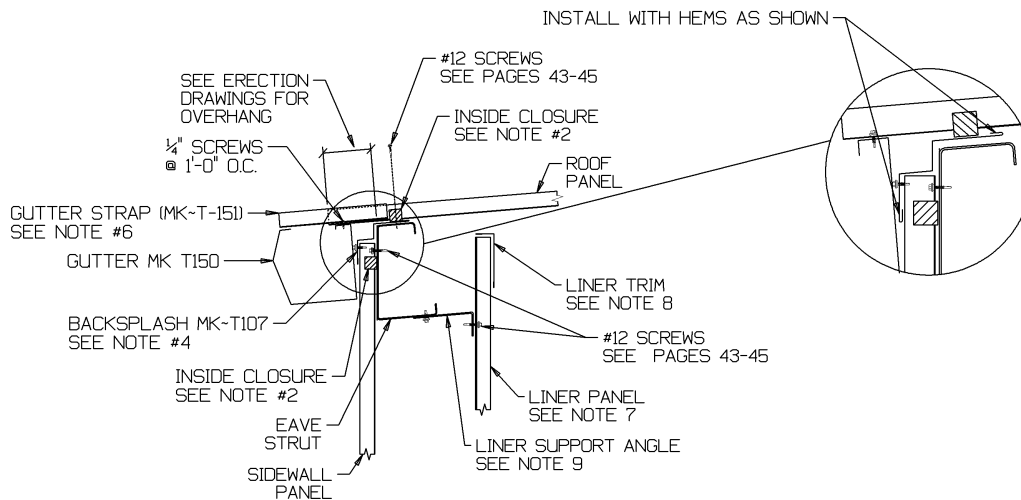
## Eave Trim

PAGE

**50**



**(T-151) BELOW EAVE GUTTER STRAP INSTALLATION DETAIL**



**TYPICAL SECTION AT T-150 GUTTER**

## NOTES

- ALL TRIM SPLICES REQUIRE  $1\frac{1}{2}$ " MIN. LAP  
RAKE TRIM: 6 POP RIVETS & CAULK REQUIRED  
GUTTER: 6 POP RIVETS & CAULK REQUIRED  
DOWNSPOUT: 6 POP RIVETS REQUIRED  
EAVE TRIM: 4 POP RIVETS REQUIRED  
CORNER TRIM: 4 POP RIVETS REQUIRED
- INSIDE CLOSURES AT THIS LOCATION ARE PROVIDED ONLY IF THE BUILDING IS UN-INSULATED OR SPRAY-FOAM INSULATION WILL BE USED.
- NOT USED
- BACKSPLASH TRIM IS OPTIONAL, AND WILL NOT BE INCLUDED UNLESS NOTED ON THE ERECTION DRAWINGS AND THE BILL OF MATERIALS. BACKSPLASH MUST BE INSTALLED BEFORE THE ROOF PANELS. ALL BACKSPLASH SPLICES SHOULD BE CAULKED AND RIVETED. FASTEN BACKSPLASH TO THE WALL PANEL HIGH CROWNS WITH  $1/4 \times 7/8$ " HWH SCREWS 12" O.C. TO PREVENT VIBRATION NOISE.
- FIELD MITER RAKE TRIM TO MATCH GUTTER FIT GUTTER INSIDE RAKE TRIM AND FIELD RIVET. (6 POP RIVETS REQUIRED)
- ATTACH GUTTER STRAP TO GUTTER AND ROOF PANEL HIGHCROWN WITH  $1/4 \times 3/8$ " LONG LIFE SCREWS AND TAPE SEAL. GUTTER STRAPS SHOULD BE INSTALLED AT 3'-0" CENTERS UNLESS NOTED OTHERWISE ON THE ERECTION DRAWINGS
- LINER PANELS ARE ONLY SUPPLIED WHEN INDICATED ON THE ERECTION DRAWINGS AND BILL OF MATERIALS.
- LINER TRIM SEE ERECTION DRAWINGS FOR TRIM PIECE MARKS.
- LINER SUPPORT ANGLE IS ONLY SUPPLIED IF LINER PANELS ARE REQUIRED ATTACH LINER SUPPORT ANGLE TO EAVESTRUT WITH  $1/2 \times 3/4$ " HWH SCREWS (24" O.C.). SEE ERECTION DRAWINGS FOR LINER SUPPORT ANGLE PIECE MARK.

## NOTICE

TRIM PIECES ARE PROTECTED WITH A STRIPPABLE FILM TO PRESERVE THE COLOR FINISH DURING MANUFACTURING AND SHIPMENT. THIS FILM MUST BE COMPLETELY REMOVED PRIOR TO INSTALLATION OR WITHIN 20 DAYS OF RECEIPT, WHICHEVER OCCURS FIRST. THE INSTALLER MAY CHOOSE TO REMOVE THE FILM AFTER INSTALLATION, BUT THE REMOVAL PROCESS WILL BE MORE DIFFICULT. FAILURE TO COMPLY WITH THIS NOTICE MAY RESULT IN DETERIORATION OF THE COLOR FINISH, NULLIFYING THE WARRANTY IN PART OR TOTAL.

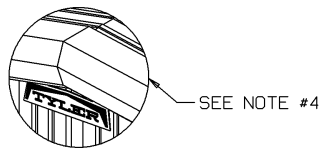


### ERECTION STANDARDS

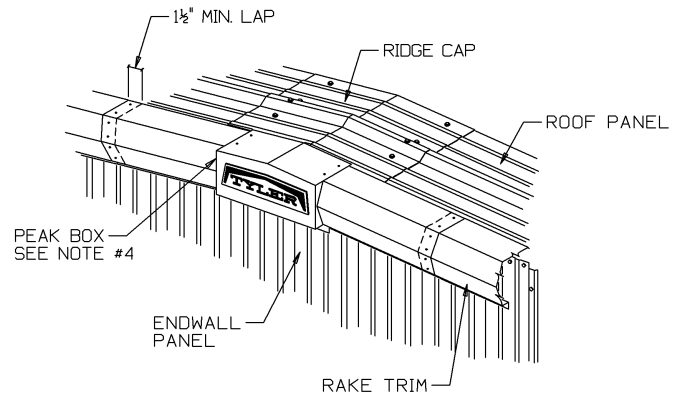
## Eave Trim

PAGE

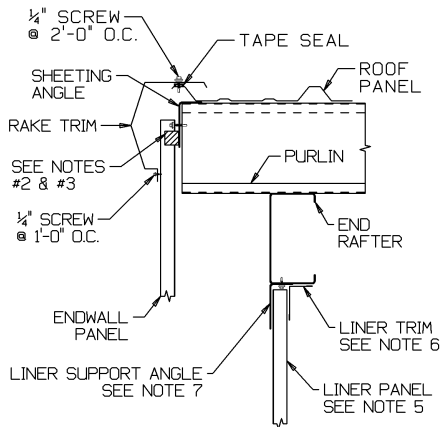
**51**



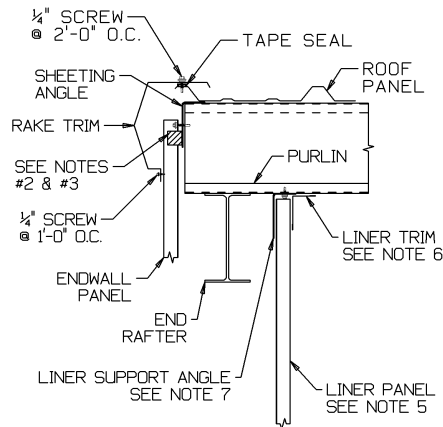
**MITER DETAIL**



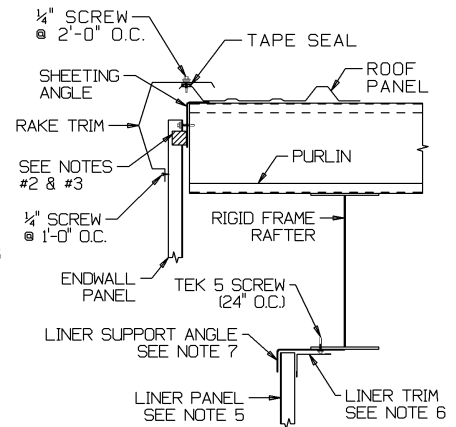
**PEAK BOX DETAIL**



**TYPICAL SECTION AT RAKE TRIM**  
LINER SECTION AT BEARING FRAME  
CEE SHAPED END RAFTER



**TYPICAL SECTION AT RAKE TRIM**  
LINER SECTION AT BEARING FRAME  
I SHAPED END RAFTER



**TYPICAL SECTION AT RAKE TRIM**  
LINER SECTION AT RIGID END FRAME

## NOTES

- ALL TRIM SPLICES REQUIRE 1½" MIN. LAP  
RAKE TRIM: 6 POP RIVETS & CAULK REQUIRED  
GUTTER: 6 POP RIVETS & CAULK REQUIRED  
DOWNSPOUT: 6 POP RIVETS REQUIRED  
EAVE TRIM: 4 POP RIVETS REQUIRED  
CORNER TRIM: 4 POP RIVETS REQUIRED
- INSIDE CLOSURES AT THIS LOCATION ARE PROVIDED ONLY BUILDING IS UN-INSULATED OR IF SPRAY-FOAM INSULATION WILL BE USED AT ROOF SLOPES OF 3:12 AND BELOW.
- PANEL PLUGS ARE PROVIDED ONLY IF SPRAY-FOAM INSULATION WILL BE USED ABOVE 3:12 ROOF SLOPE.
- FIELD MITER RAKE TRIM AT THE PEAK AS INDICATED IN THE MITER DETAIL AT THE TOP LEFT CORNER OF THIS PAGE. A PEAK BOX IS SUPPLIED FOR BUILDINGS THAT HAVE A ROOF SLOPE OF 6:12 OR LESS.
- LINER PANELS ARE ONLY SUPPLIED WHEN INDICATED ON THE ERECTION DRAWINGS AND BILL OF MATERIALS.
- LINER TRIM SEE ERECTION DRAWINGS FOR TRIM PIECE MARKS.
- LINER SUPPORT ANGLE IS ONLY SUPPLIED IF LINER PANELS ARE REQUIRED ATTACH LINER SUPPORT ANGLE TO EAVESTRUT WITH #12x¾" HHW SCREWS (24" O.C.). SEE ERECTION DRAWINGS FOR LINER SUPPORT ANGLE PIECE MARK.

## NOTICE

TRIM PIECES ARE PROTECTED WITH A STRIPPABLE FILM TO PRESERVE THE COLOR FINISH DURING MANUFACTURING AND SHIPMENT. THIS FILM MUST BE COMPLETELY REMOVED PRIOR TO INSTALLATION OR WITHIN 20 DAYS OF RECEIPT, WHICHEVER OCCURS FIRST. THE INSTALLER MAY CHOOSE TO REMOVE THE FILM AFTER INSTALLATION, BUT THE REMOVAL PROCESS WILL BE MORE DIFFICULT. FAILURE TO COMPLY WITH THIS NOTICE MAY RESULT IN DETERIORATION OF THE COLOR FINISH, NULLIFYING THE WARRANTY IN PART OR TOTAL.



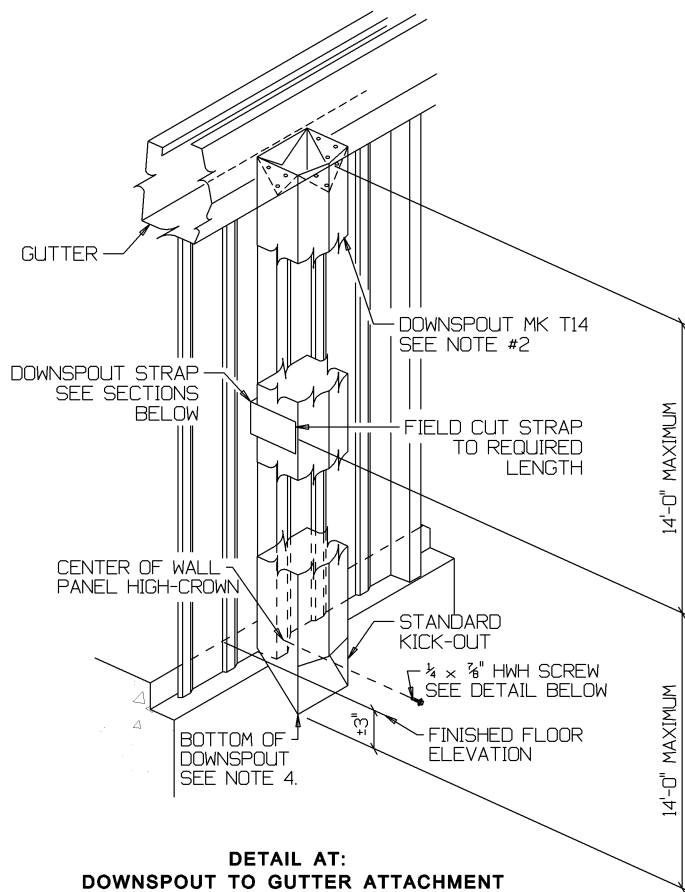
### ERECTION STANDARDS

## Rake Trim

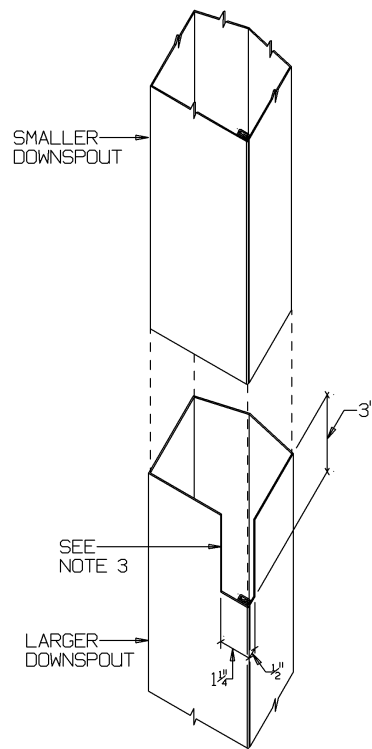
**PAGE**

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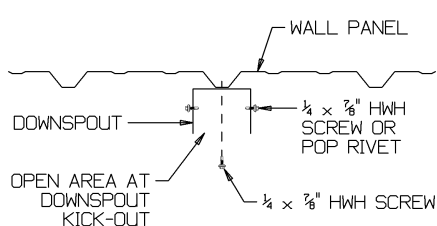




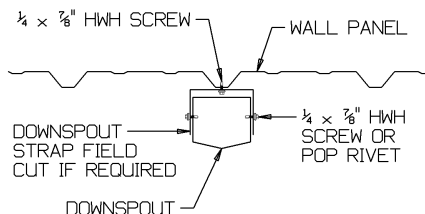
**DETAIL AT:  
DOWNSPOUT TO GUTTER ATTACHMENT  
DOWNSPOUT STRAP SPACINGS AND  
STANDARD KICK-OUT AT BASE**



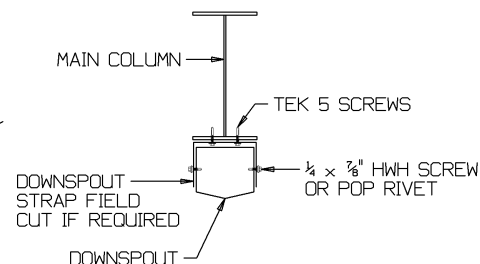
**DETAIL AT DOWNSPOUT SPLICE**



**DETAIL AT  
DOWNSPOUT CONNECTION  
TO PANEL AT KICK-OUT**



**DETAIL AT DOWNSPOUT  
CONNECTION TO PANEL  
AT DOWNSPOUT STRAPS**



**DETAIL AT DOWNSPOUT  
CONNECTION TO COLUMN**

## NOTES

- ALL TRIM SPLICES REQUIRE 1 1/2" MIN. LAP  
RAKE TRIM: 6 POP RIVETS & CAULK REQUIRED  
GUTTER: 6 POP RIVETS & CAULK REQUIRED  
DOWNSPOUT: 6 POP RIVETS REQUIRED  
EAVE TRIM: 4 POP RIVETS REQUIRED  
CORNER TRIM: 4 POP RIVETS REQUIRED
- FIELD CUT GUTTER, FOLD TAB INSIDE DOWNSPOUT, RIVET AND CAULK. LOCATE DOWNSPOUT ON HIGH RIB WHERE POSSIBLE. ONE DOWNSPOUT STRAP PER DOWNSPOUT FURNISHED WITH 14' EAVE HEIGHT BUILDINGS, ONE ADDITIONAL STRAP PER DOWNSPOUT FURNISHED FOR EACH ADDITIONAL 14' OF EAVE HEIGHT.
- FIELD NOTCH DOWNSPOUT HEM AT SPLICE AS INDICATED. A CRIMPING TOOL MAY BE USED IF NEEDED.
- BOTTOM OF DOWNSPOUT WILL TERMINATE ±3" BELOW THE FINISHED FLOOR OF BUILDING. DOWNSPOUT WILL NOT EXTEND FURTHER BELOW THE FINISHED FLOOR AND NO ACCOMMODATIONS FOR CONNECTION TO UNDER GROUND DRAINAGE WILL BE SUPPLIED UNLESS NOTED ON THE METAL BUILDING CONTRACT.

## NOTICE

TRIM PIECES ARE PROTECTED WITH A STRIPPABLE FILM TO PRESERVE THE COLOR FINISH DURING MANUFACTURING AND SHIPMENT. THIS FILM MUST BE COMPLETELY REMOVED PRIOR TO INSTALLATION OR WITHIN 20 DAYS OF RECEIPT WHICHEVER OCCURS FIRST. THE INSTALLER MAY CHOOSE TO REMOVE THE FILM AFTER INSTALLATION, BUT THE REMOVAL PROCESS WILL BE MORE DIFFICULT. FAILURE TO COMPLY WITH THIS NOTICE MAY RESULT IN DETERIORATION OF THE COLOR FINISH, NULLIFYING THE WARRANTY IN PART OR TOTAL.

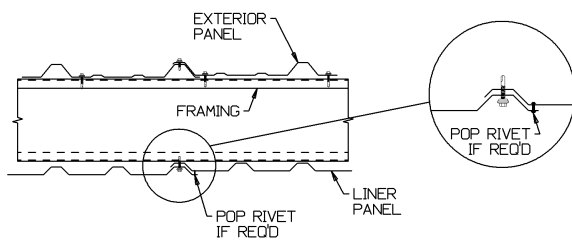


## ERECTION STANDARDS

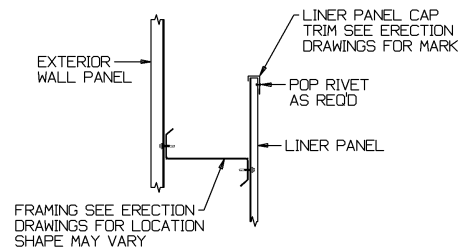
## Downspouts

## PAGE

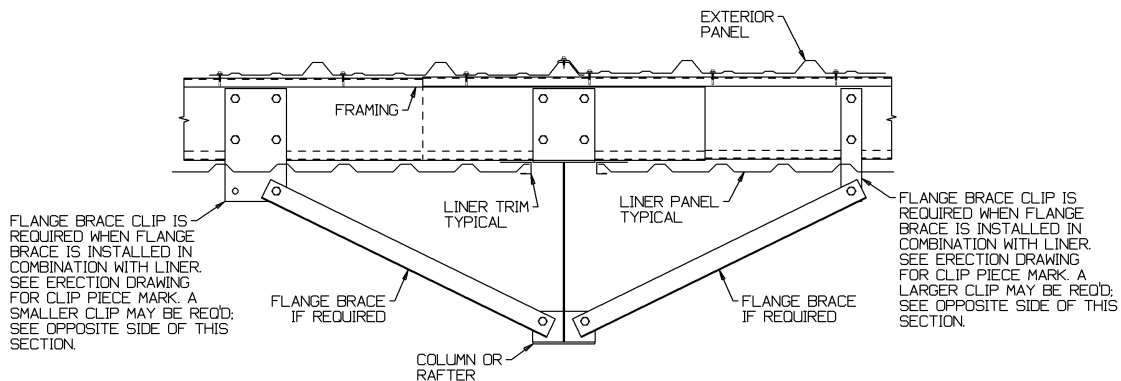
**53**



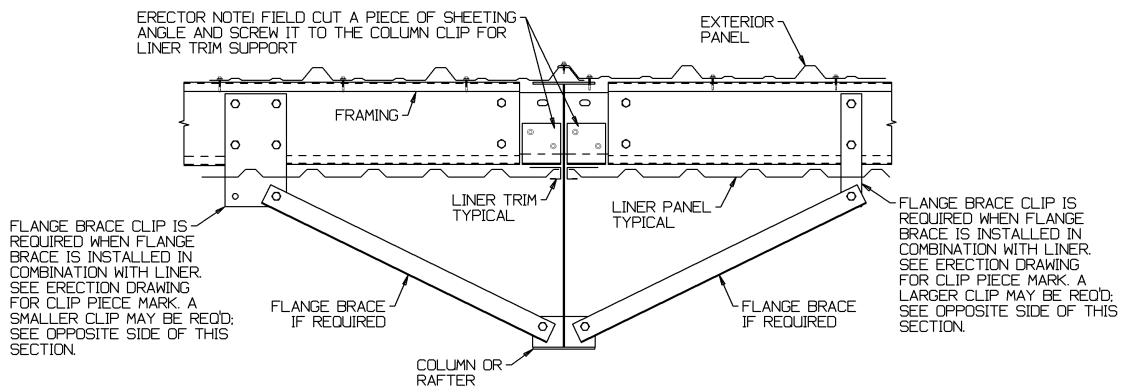
**TYPICAL SECTION AT  
LINER PANEL SIDE LAP**



**TYPICAL SECTION AT  
PARTIAL HEIGHT  
WALL LINER CAP TRIM**



**TYPICAL SECTION AT  
LINER TERMINATION TO  
COLUMN AT BYPASS  
GIRTS OR PURLINS**



**TYPICAL SECTION AT  
LINER TERMINATION TO  
COLUMN AT FLUSH GIRTS**

## GENERAL NOTES

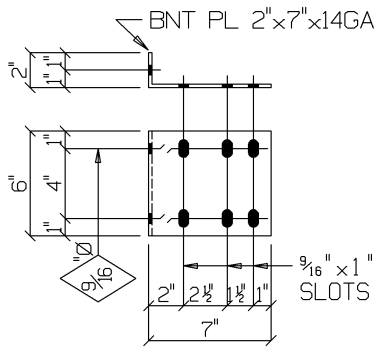
1. LINER PANELS ARE OPTIONAL AND ARE NOT SUPPLIED UNLESS INDICATED ON THE ERECTION DRAWINGS AND BILL OF MATERIALS.
2. SEE ERECTION DRAWINGS FOR ALL PANEL PROFILES AND TRIM PIECE MARKS.
3. SEE PAGES 42-44 FOR PANEL FASTENER REQUIREMENTS
4. SEE PAGES 13-16 FOR LINER TRIM REQUIREMENTS AT FRAMED OPENINGS
5. SEE PAGE 47 FOR LINER TRIM AT CORNERS
6. SEE PAGES 48-50 FOR LINER TRIM AT EAVE
7. SEE PAGE 51 FOR LINER TRIM AT RAKE



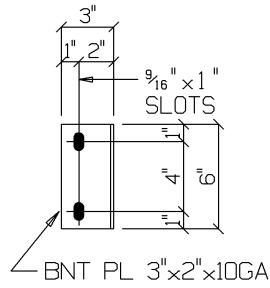
## ERECTION STANDARDS

## Liner Trim

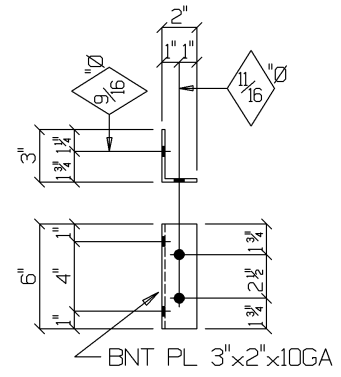
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**54**



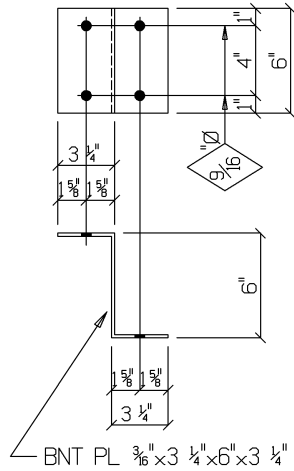
**GIRT CLIP MK P7**



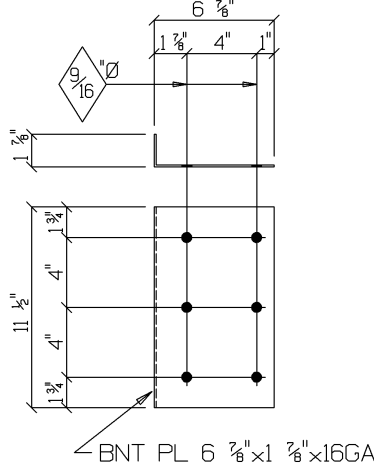
**JAMB TOP CLIP MK P5**



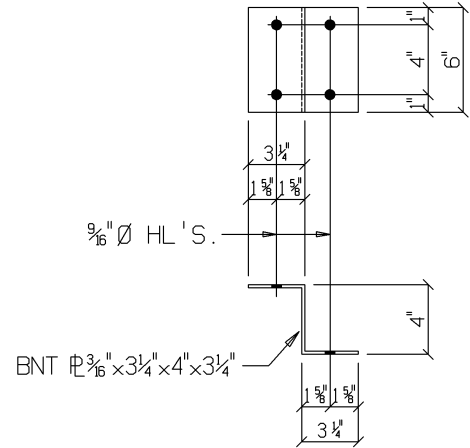
**JAMB BASE CLIP MK P19**



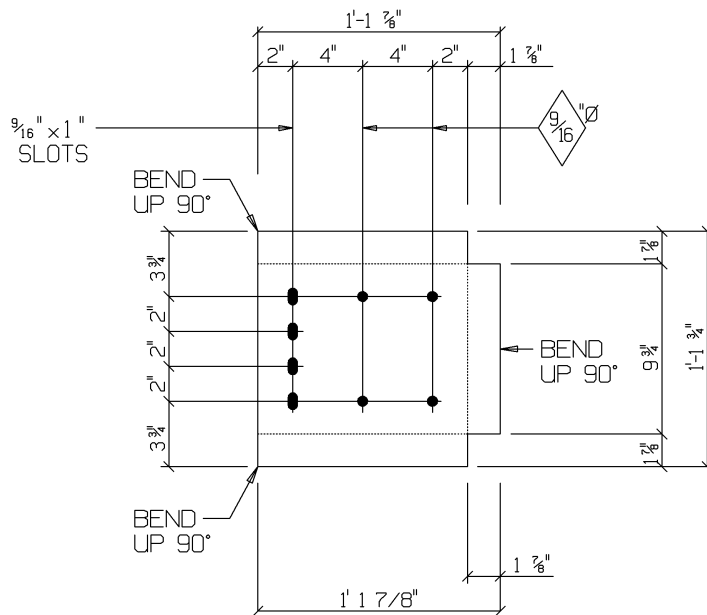
**EW COLUMN CLIP MK P11**



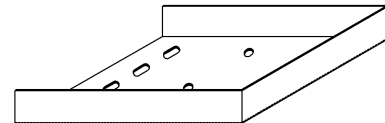
**GIRT CLIP MK P25**



**EW COLUMN CLIP MK P35**

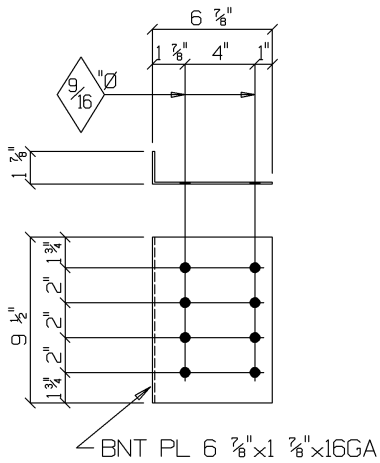


**GIRT CLIP MK P49**

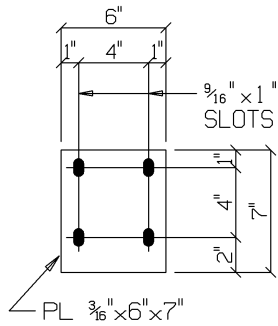


**ERECTION STANDARDS**

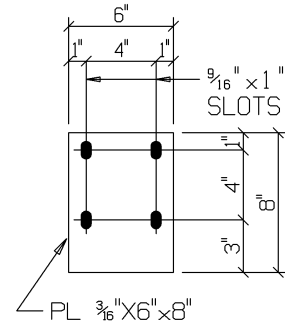
**Commonly Used Loose Clips**



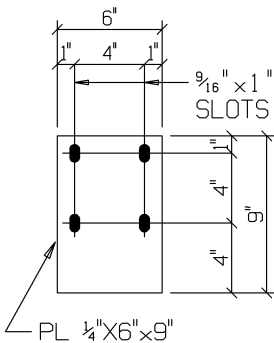
**GIRT CLIP MK P28**



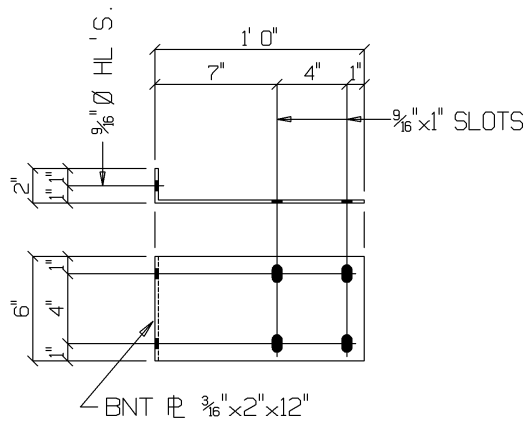
**PURLIN & GIRT CLIP MK P1**



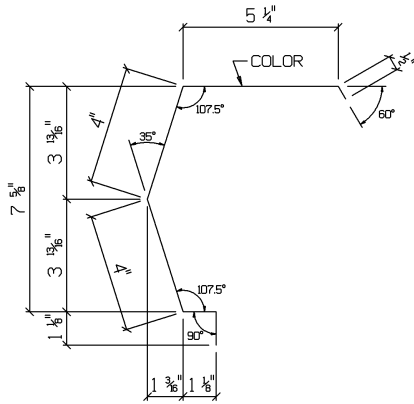
**PURLIN & GIRT CLIP MK P15**



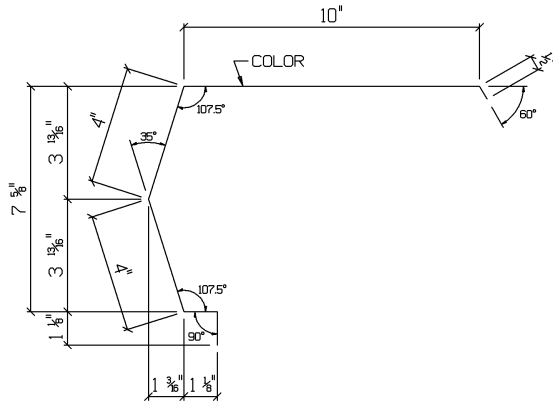
**PURLIN & GIRT CLIP MK P46**



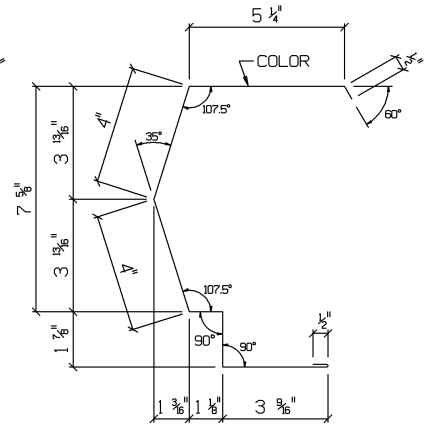
**GIRT CLIP MK P23**



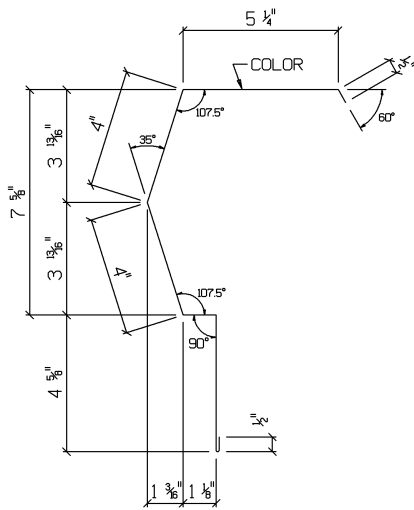
**RAKE TRIM - MK T1**



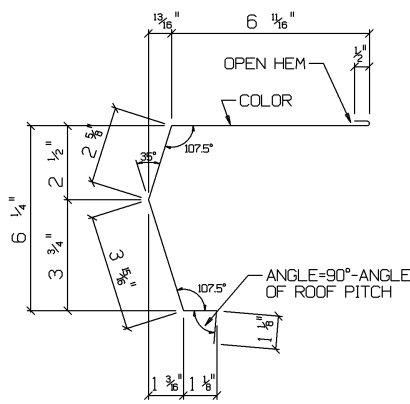
**RAKE TRIM - MK T2**  
(FOR MASONRY)



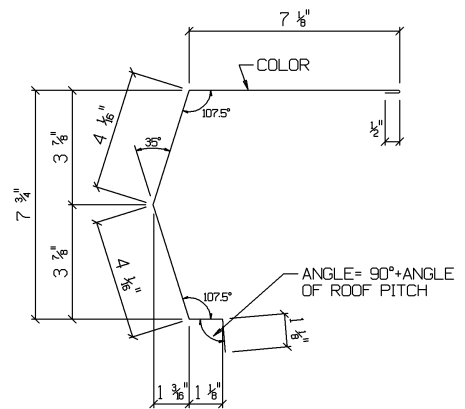
**RAKE TRIM - MK T3**  
(OPEN ENDWALL OR PURLIN EXTENSION W/O SOFFIT)



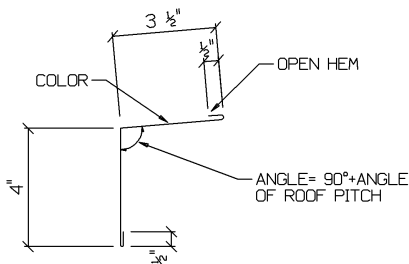
**RAKE TRIM - MK T4**  
(FOR TILT WALL)



**EAVE TRIM - MK T5**



**EAVE TRIM - MK T6**  
(SINGLE SLOPE, HIGH SIDE)



**EAVE TRIM - MK T7**

## NOTICE

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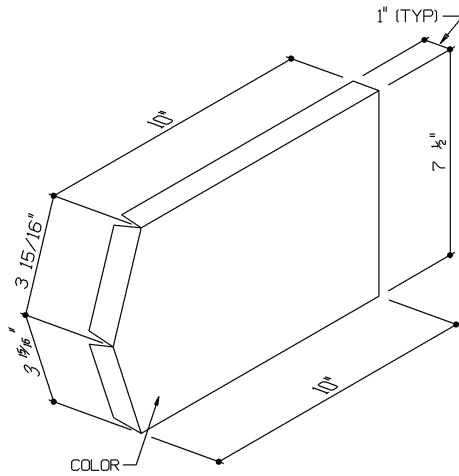


### ERECTION STANDARDS

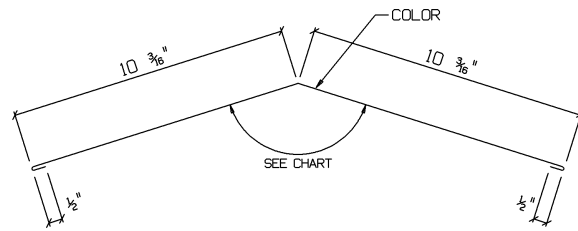
## Standard Trim Details

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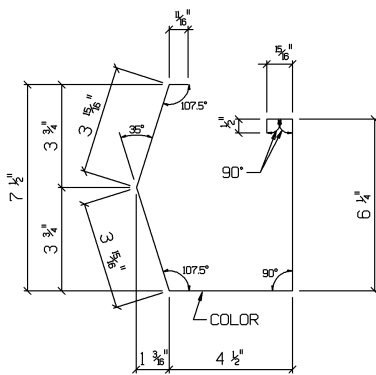


**RAKE END CAP - MK T8**  
RAKE END CAPS ARE SHIPPED LOOSE

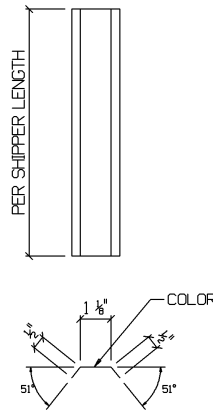


1:12	2:12	3:12	4:12	5:12	6:12
170°	161°	152°	143°	135°	127°

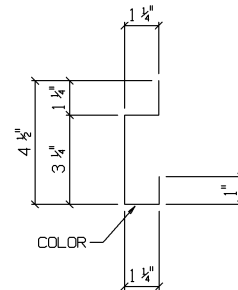
**RIDGE FLASH - MK T9**



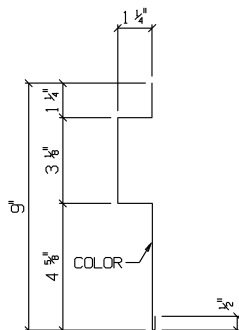
**EAVE GUTTER - MK T10**



**GUTTER STRAP TRIM - MK T11**



**GUTTER STANDOFF - MK T12**



**GUTTER STANDOFF - MK T13**  
(FOR MASONRY)

## NOTICE

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### ERECTION STANDARDS

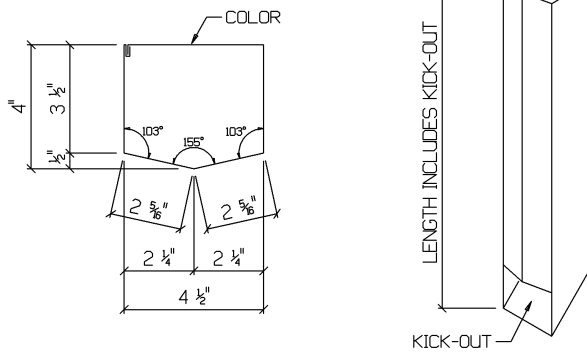
## Standard Trim Details

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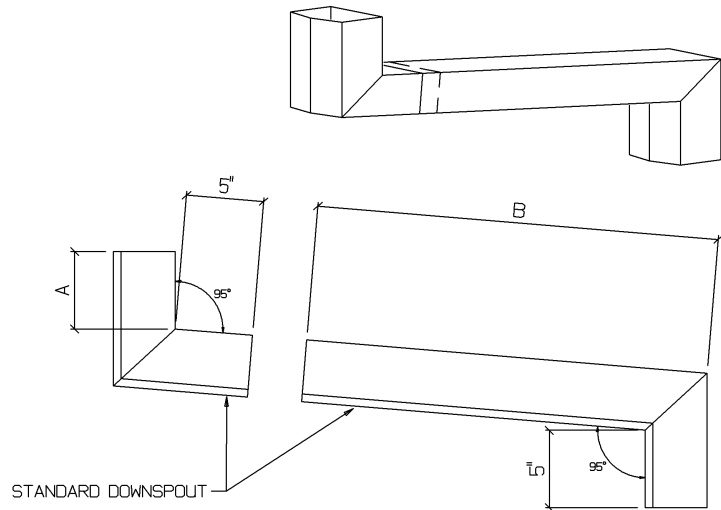
**58**

L = AS SHOWN  
M =  $\frac{1}{16}$ " OFF EACH DIMENSION  
S =  $\frac{1}{8}$ " OFF EACH DIMENSION

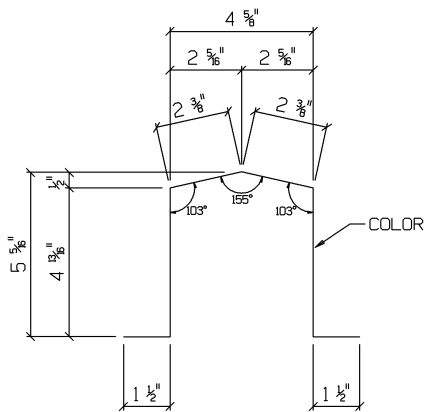
SEE TRIM SHIPPER  
FOR SIZE REQUIRED



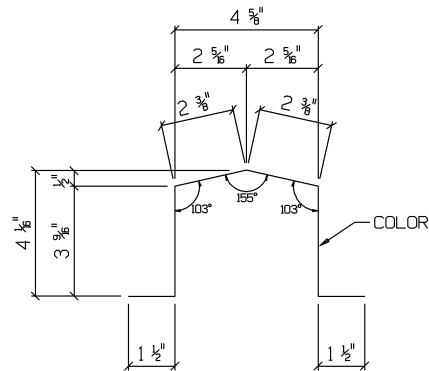
**GUTTER DOWNSPOUT - MK T14**



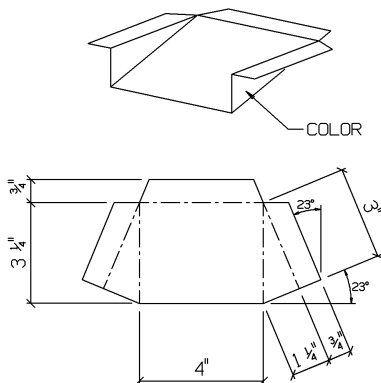
**DOWNSPOUT RETURN - MK T15a & T15b**  
(EAVE EXTENSION)



**DOWNSPOUT STRAP - MK T16**  
(STANDARD "R" PANEL)



**DOWNSPOUT STRAP - MK T17**  
(FLUSH)



**GUTTER SCUPPER - MK T18**

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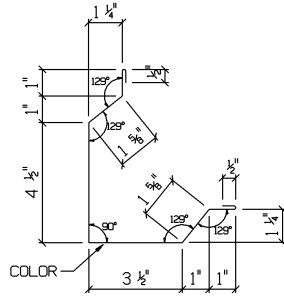


### ERECTION STANDARDS

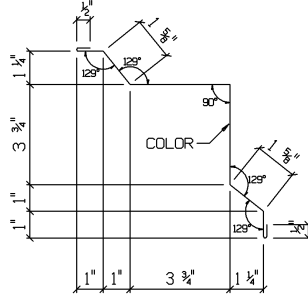
## Standard Trim Details

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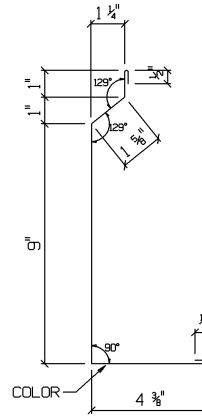
**59**



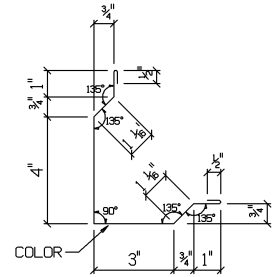
**CORNER TRIM - MK T20**  
(<sup>1</sup>R<sup>1</sup> PANEL)



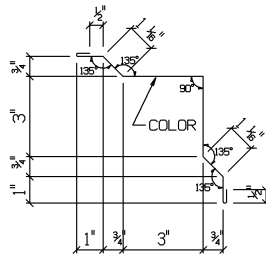
**INSIDE CORNER TRIM - MK T21**  
(<sup>1</sup>R<sup>1</sup> PANEL)



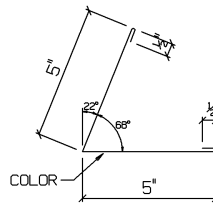
**CORNER TRIM - MK T22**  
(<sup>1</sup>R<sup>1</sup> PANEL TO MASONRY)



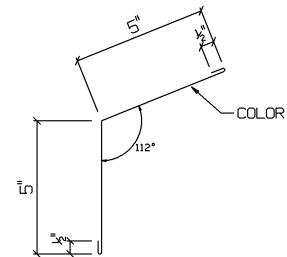
**CORNER TRIM - MK T23**  
(<sup>1</sup>U<sup>1</sup> PANEL)



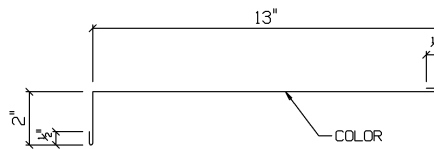
**INSIDE CORNER TRIM - MK T24**  
(<sup>1</sup>U<sup>1</sup> PANEL)



**CORNER TRIM - MK T25**  
(<sup>1</sup>A<sup>1</sup> PANEL)



**INSIDE CORNER TRIM - MK T26**  
(<sup>1</sup>A<sup>1</sup> PANEL)



**PARTITION INSIDE CORNER - MK T27**

## NOTICE

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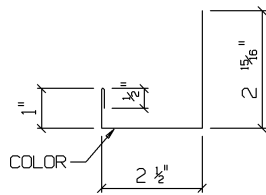
### ERECTION STANDARDS

## Standard Trim Details

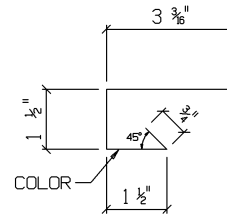
PAGE

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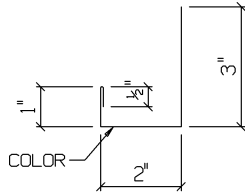




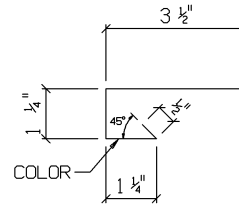
**DOOR & WINDOW HEAD TRIM - MK T30**  
( "R" PANEL )



**DOOR & WINDOW JAMB TRIM - MK T31**  
( "R" PANEL )



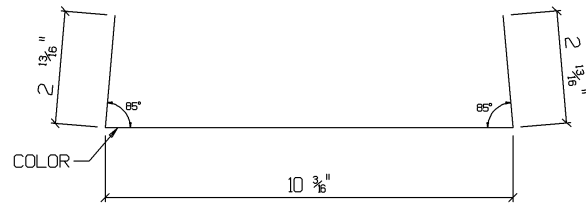
**DOOR & WINDOW HEAD TRIM - MK T32**  
( "U" PANEL )



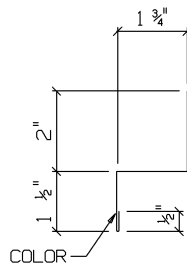
**DOOR & WINDOW JAMB TRIM - MK T33**  
( "U" PANEL )



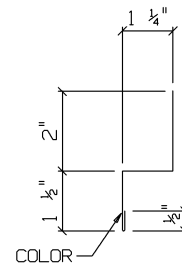
**DOOR & WINDOW TRIM - MK T34**



**DOOR & WINDOW TRIM - MK T35**



**WINDOW SILL TRIM - MK T36**  
(CONVENTIONAL WINDOW "R" PANEL)



**WINDOW SILL TRIM - MK T37**  
(CONVENTIONAL WINDOW "U" PANEL)

## NOTICE

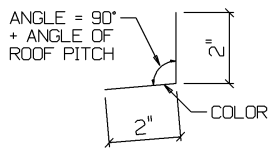
TRIM PIECES ARE PROTECTED WITH A STRIPPABLE FILM TO PRESERVE THE COLOR FINISH DURING MANUFACTURING AND SHIPMENT. THIS FILM MUST BE COMPLETELY REMOVED PRIOR TO INSTALLATION OR WITHIN 20 DAYS OF RECEIPT, WHICHEVER OCCURS FIRST. THE INSTALLER MAY CHOOSE TO REMOVE THE FILM AFTER INSTALLATION, BUT THE REMOVAL PROCESS WILL BE MORE DIFFICULT. FAILURE TO COMPLY WITH THIS NOTICE MAY RESULT IN DETERIORATION OF THE COLOR FINISH, NULLIFYING THE WARRANTY IN PART OR TOTAL.



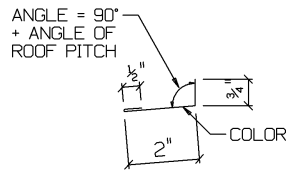
### ERECTION STANDARDS

## Standard Trim Details

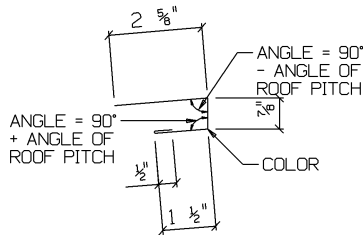
**PAGE**  
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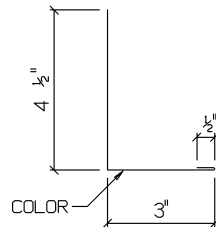
**EAVE EXT TRIM - MK T38**



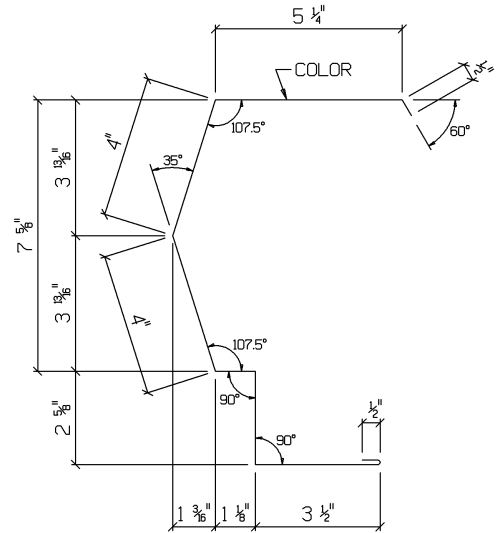
**EAVE EXT TRIM - MK T39**



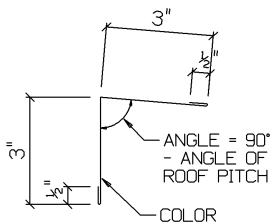
**EAVE EXT TRIM - MK T41**



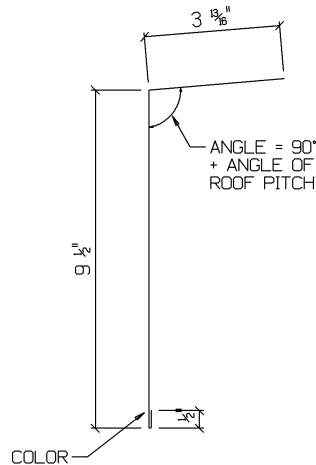
**EAVE EXT TRIM - MK T42**



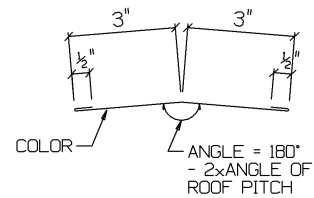
**EXT RAKE TRIM - MK T40**



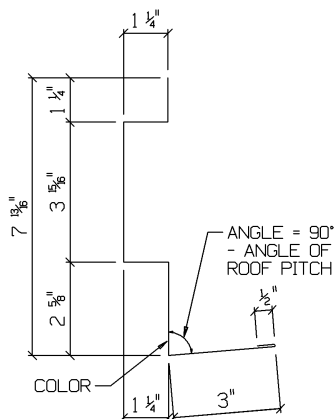
**EAVE EXT TRIM - MK T43**



**EAVE EXT TRIM - MK T44**



**SOFFIT TRIM - MK T45**



**PURLIN EXT TRIM - MK T46**

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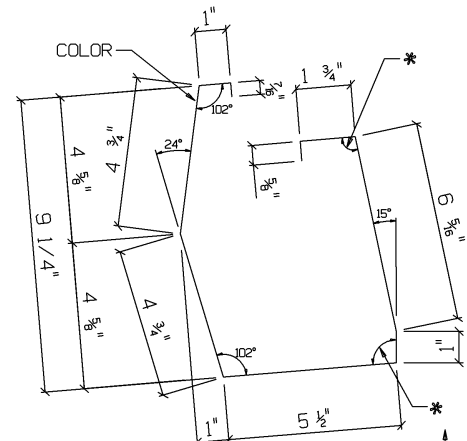
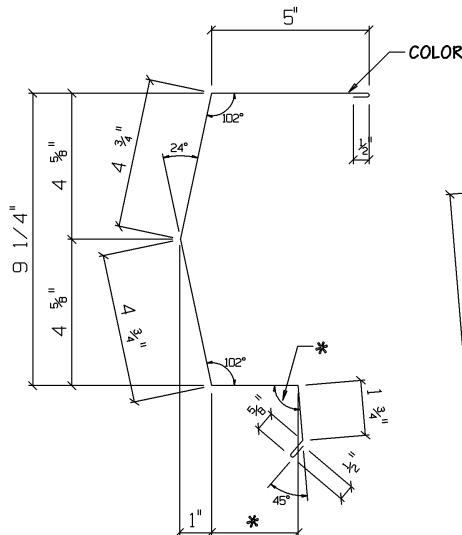
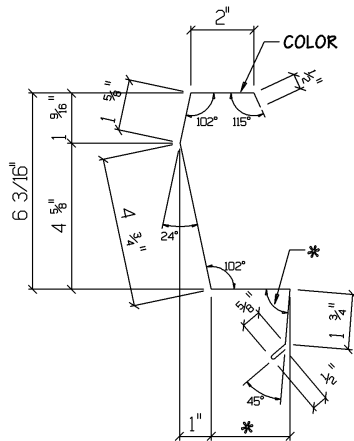
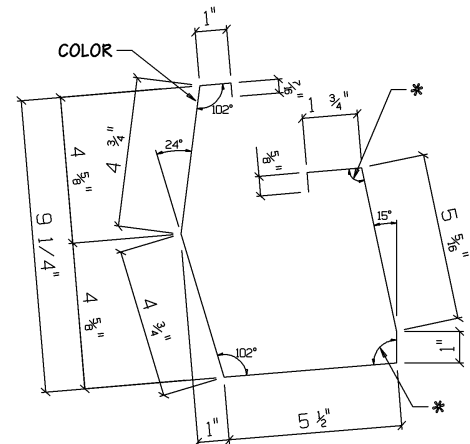
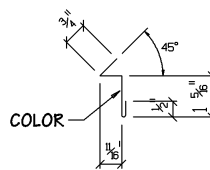
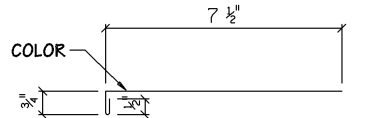
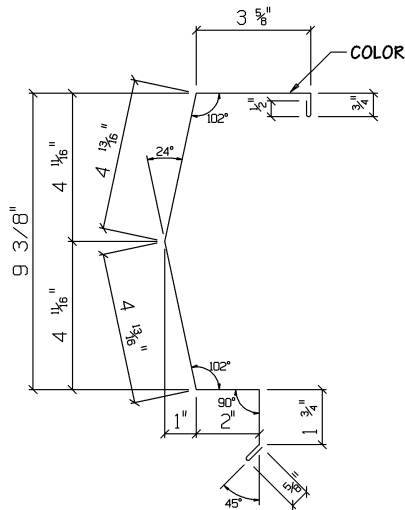
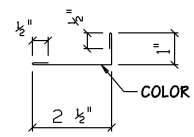
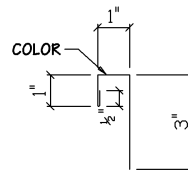
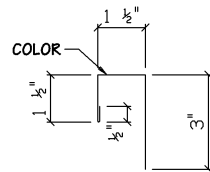
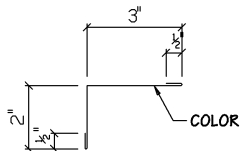


### ERECTION STANDARDS

## Standard Trim Details

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## NOTICE

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\* VARIES WITH ROOF PITCH

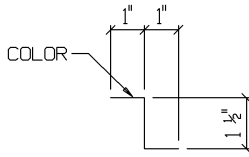


## ERECTION STANDARDS

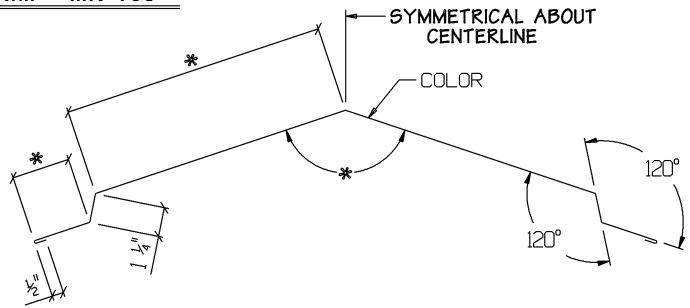
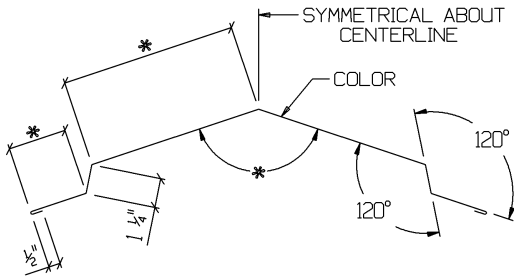
## Standard Trim Details

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**"SS" ZEE TRIM - MK T58**



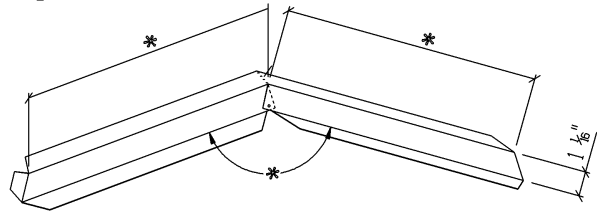
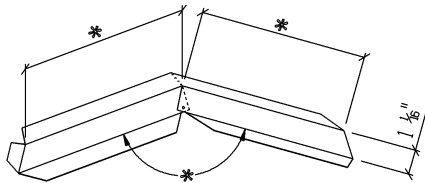
**"SS" RIDGE FLASH - MK T59**

(FOR USE WITHOUT RIDGE VENTS)

**"SS" RIDGE FLASH - MK T60**

(FOR USE WITH RIDGE VENTS)

\* VARIES WITH ROOF PITCH

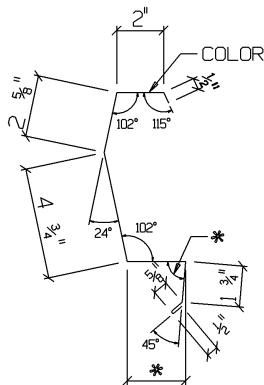


**"SS" RIDGE FLASH END CAP - MK T61**

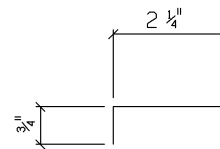
(USE WITH T59)

**"SS" RIDGE FLASH END CAP - MK T62**

(USE WITH T60)



**"SS" EAVE TRIM - MK T63**



**TERMINATION TRIM - MK T64**

22GA GALVALUME

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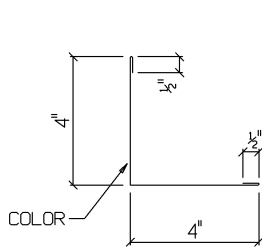


## ERECTION STANDARDS

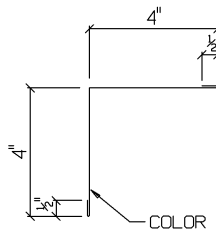
## Standard Trim Details

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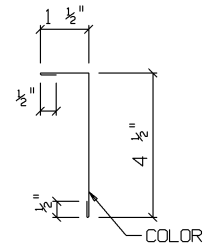
64



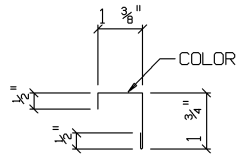
**CORNER TRIM - MK T65**



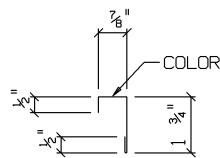
**INSIDE CORNER TRIM - MK T66**



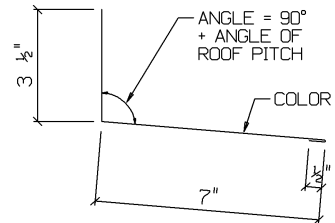
**LINER TRIM - MK T67**



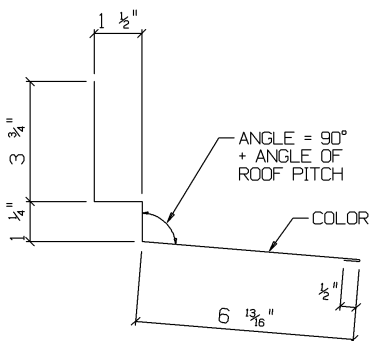
**LINER CAP TRIM - MK T68**  
(\"R\" PANEL)



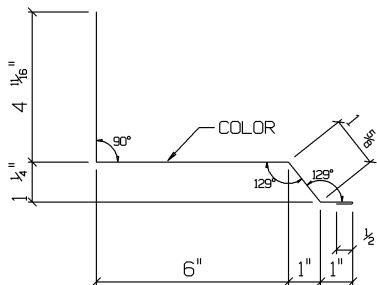
**LINER CAP TRIM - MK T69**  
(\"U\" PANEL)



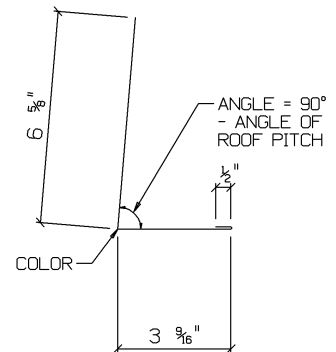
**LEAN-TO FLASHING - MK T70**



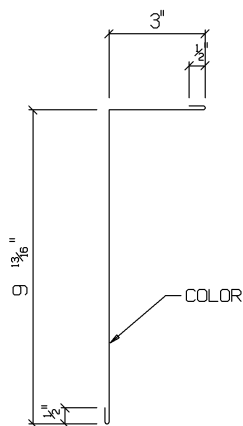
**LEAN-TO FLASHING - MK T71**



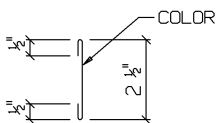
**TIE-IN FLASHING - MK T72**



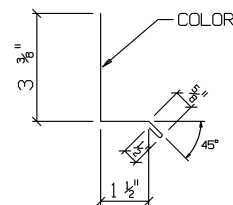
**EAVE WRAP TRIM - MK T74**



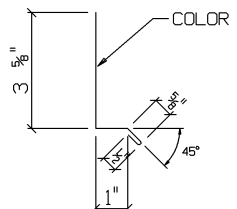
**PARTITION TRIM - MK T75**



**PARTITION TRIM - MK T76**



**DRIP TRIM - MK T77**  
(\"R\" PANEL)



**DRIP TRIM - MK T78**  
(\"U\" PANEL)

## NOTICE

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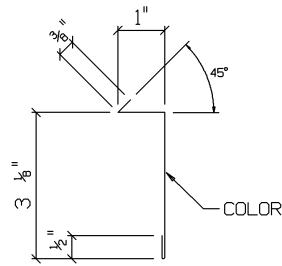


## ERECTION STANDARDS

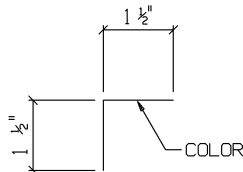
## Standard Trim Details

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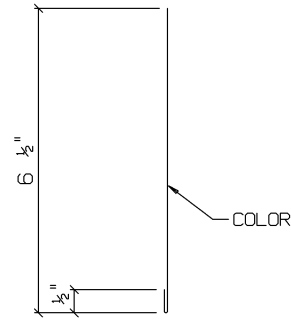
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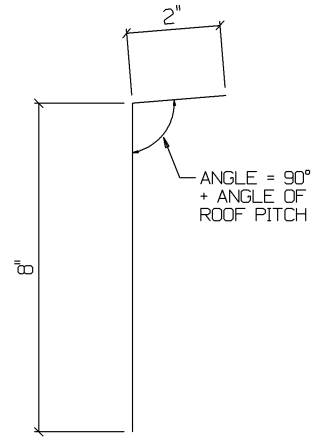
**MASONRY FLASHING - MK T79**



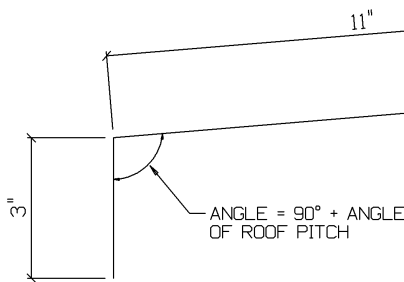
**LINER TRIM - MK T80**



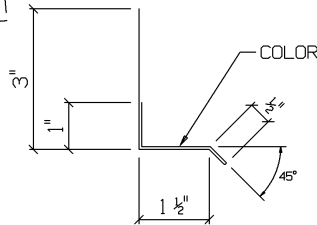
**MASONRY FLASHING - MK T81  
(BELOW GUTTER)**



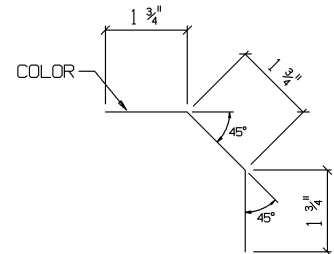
**EAVE STRUT COVER - MK T82**



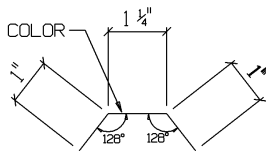
**TILT-WALL FLASHING - MK T83**



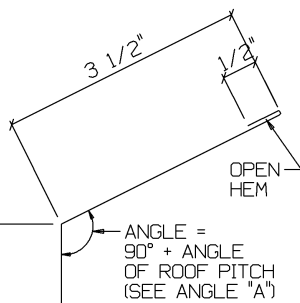
**DRIP TRIM - MK T84**



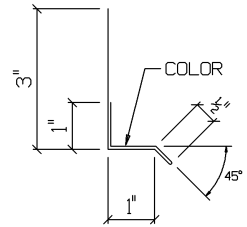
**GUTTER BACK SPLASH - MK T85**



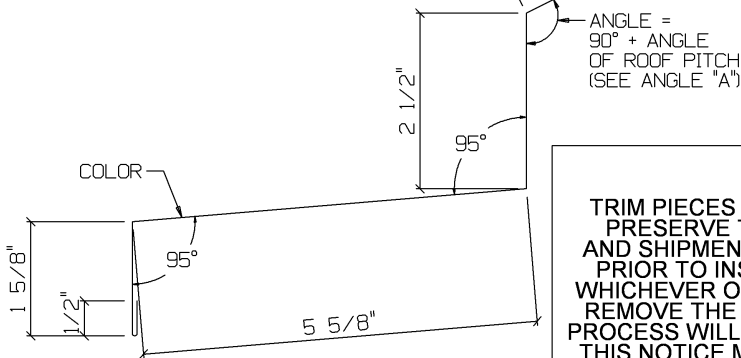
**UL90 SKYLIGHT TRIM - MK T86**



**WINDOW HEAD TRIM - MK T88**



**DRIP TRIM - MK T89  
('U' PANEL)**



**MASONRY BACKSPLASH - MK T87**

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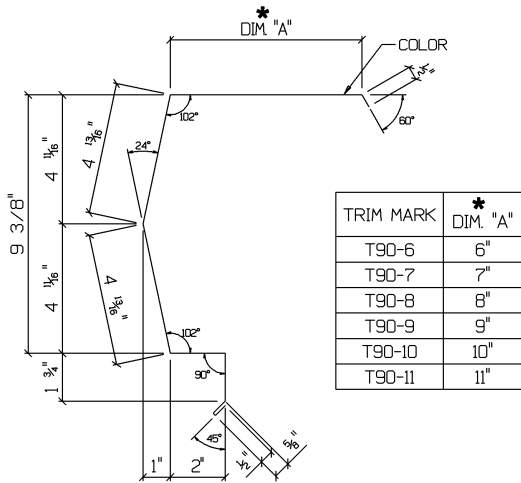


### ERECTION STANDARDS

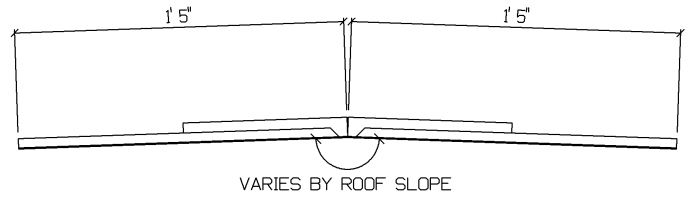
## Standard Trim Details

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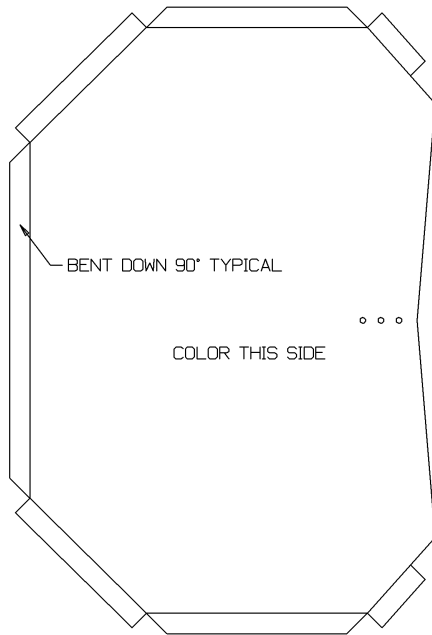
66



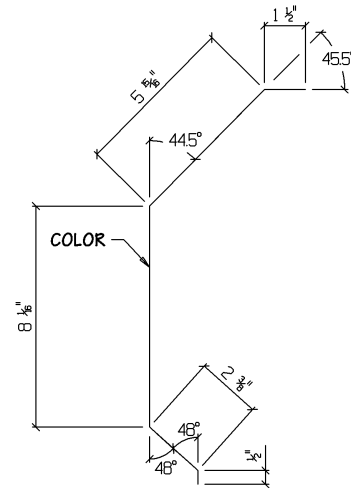
**"SS" RAKE TRIM - MK T90-\***



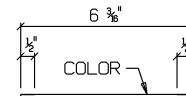
**(9"x10'-0") RIDGE VENT END SKIRT - MK T-91**



**(9"x10'-0") RIDGE VENT END CAP - MK T92**



**(9"x10'-0") RIDGE VENT SIDE TRIM - MK T-93**



**(9"x10'-0") RIDGE VENT SKIRT TRIM - MK T-94**

## NOTICE

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### ERECTION STANDARDS

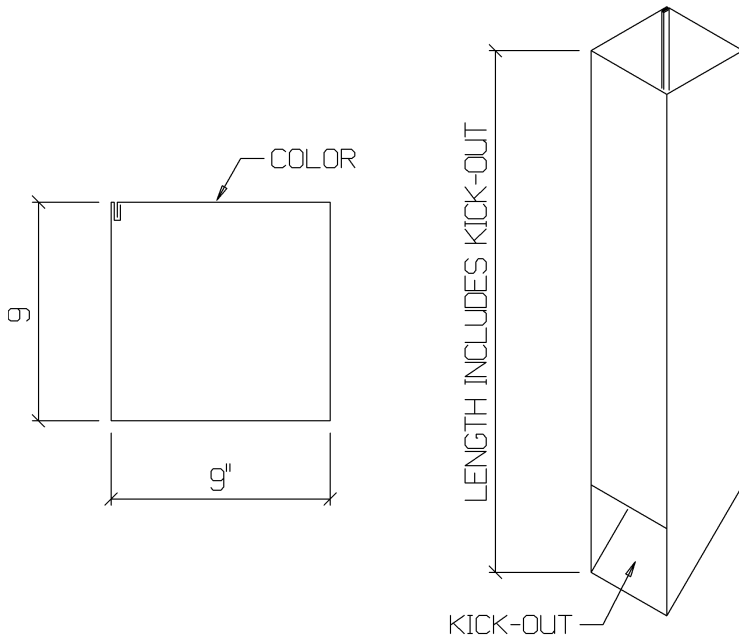
## Standard Trim Details

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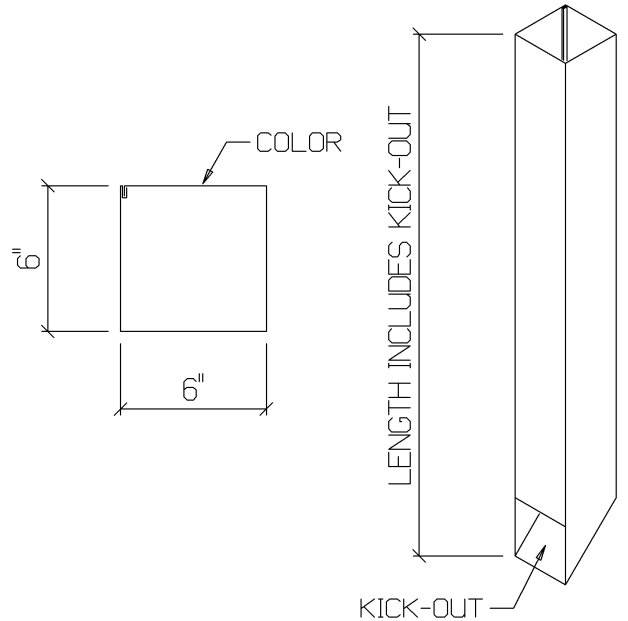
**67**

L = AS SHOWN  
 M =  $\frac{1}{16}$ " OFF EACH DIMENSION  
 S =  $\frac{1}{8}$ " OFF EACH DIMENSION

SEE TRIM SHIPPER  
 FOR SIZE REQUIRED



**CONDUCTOR HEAD DOWNSPOUT - MK T95**



**CONDUCTOR HEAD DOWNSPOUT - MK T96**

## NOTICE

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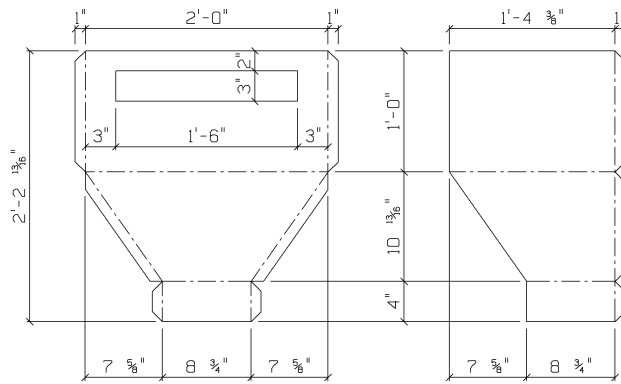
### ERECTION STANDARDS

## Standard Trim Details

**PAGE**

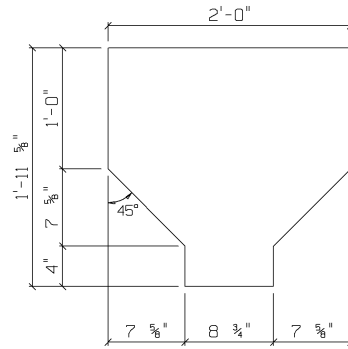
**68**



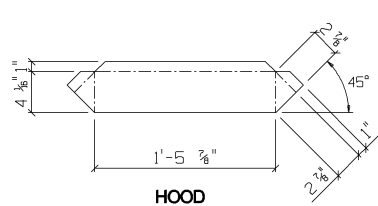


**FRONT**

**RIGHT SIDE AS SHOWN  
LEFT SIDE OPP. HAND**

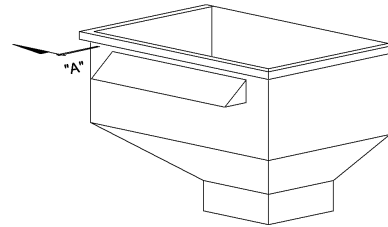


**BACK**

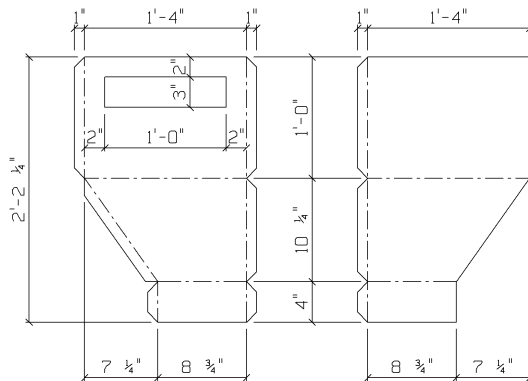


**HOOD**

**SECTION "A"**

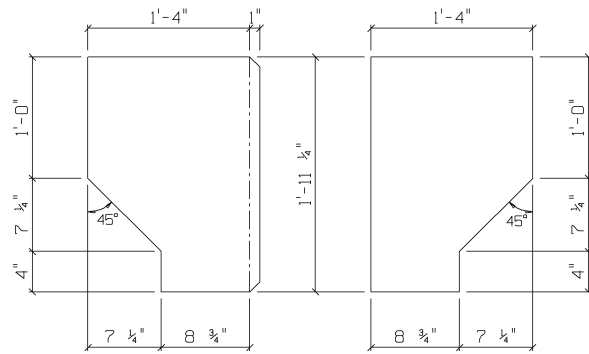


**CONDUCTOR HEAD - MK T97**



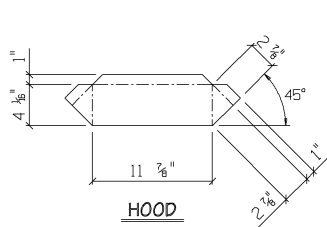
**FRONT**

**LEFT SIDE**



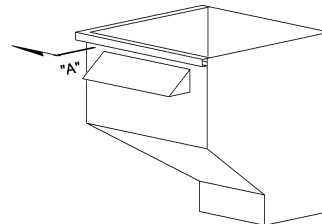
**RIGHT SIDE**

**BACK**



**HOOD**

**SECTION "A"**



**CONDUCTOR HEAD (AS SHOWN) - MK T98A**

**CONDUCTOR HEAD (OPP HAND) - MK T98B**

## NOTICE

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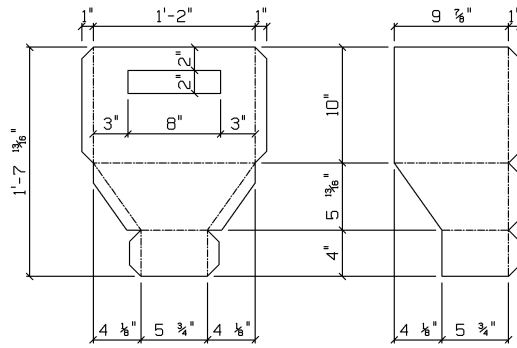


### ERECTION STANDARDS

## Standard Trim Details

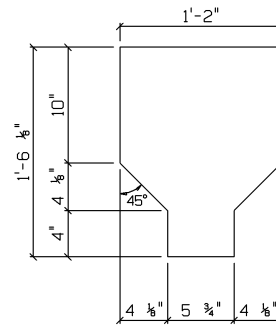
**PAGE**

**69**

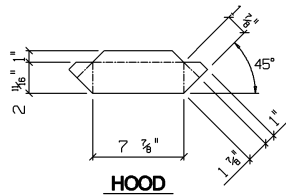


**FRONT**

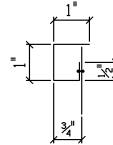
**RIGHT SIDE (AS SHOWN)  
LEFT SIDE (OPP. HAND)**



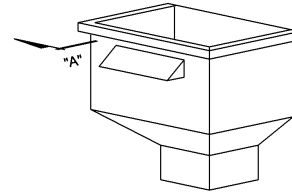
**BACK**



**HOOD**

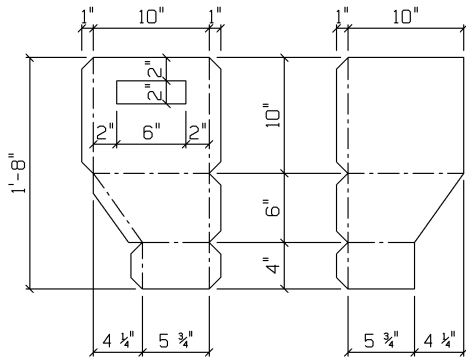


**SECTION "A"**



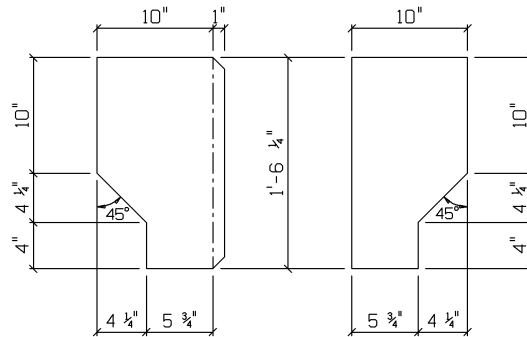
(MAX. VALLEY GUTTER  
10" DEEP x 12" WIDE)

### CONDUCTOR HEAD - MK T99



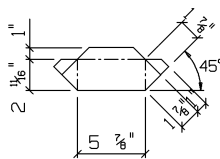
**FRONT**

**LEFT SIDE**

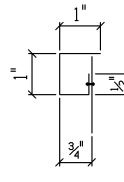


**RIGHT SIDE**

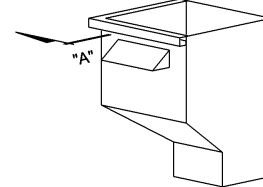
**BACK**



**HOOD**



**SECTION "A"**



(MAX. VALLEY GUTTER  
10" DEEP x 8" WIDE)

**CONDUCTOR HEAD (AS SHOWN) - MK T100A**

**CONDUCTOR HEAD (OPP HAND) - MK T100B**

## NOTICE

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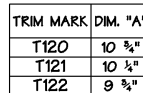


### ERECTION STANDARDS

## Standard Trim Details

**PAGE**

**70**

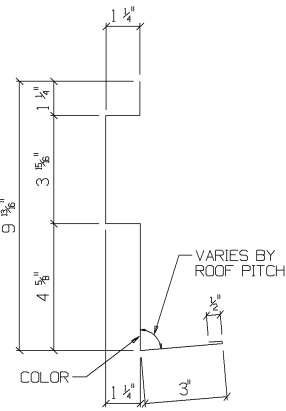


TRIM PIECES ARE PROTECTED WITH A STRIPPABLE FILM TO PRESERVE THE COLOR FINISH DURING MANUFACTURING AND SHIPMENT. THIS FILM MUST BE COMPLETELY REMOVED PRIOR TO INSTALLATION OR WITHIN 20 DAYS OF RECEIPT, WHICHEVER OCCURS FIRST. THE INSTALLER MAY CHOOSE TO REMOVE THE FILM AFTER INSTALLATION, BUT THE REMOVAL PROCESS WILL BE MORE DIFFICULT. FAILURE TO COMPLY WITH THIS NOTICE MAY RESULT IN DETERIORATION OF THE COLOR FINISH, NULLIFYING THE WARRANTY IN PART OR TOTAL.

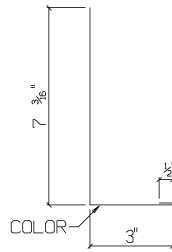


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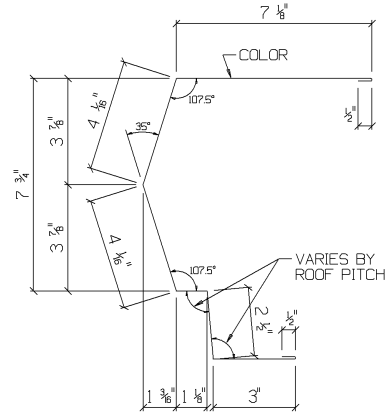
12/9/2021 10:14 AM



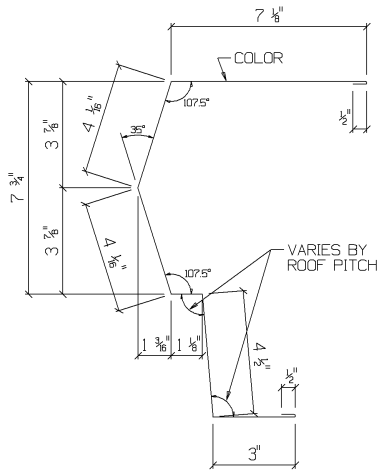
**PURLIN EXTENSION TRIM - MK T141**



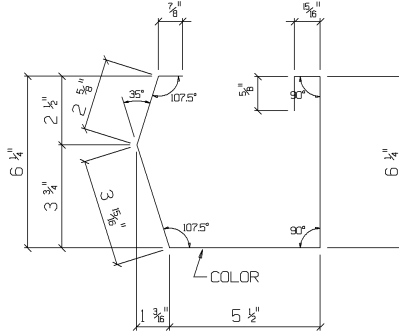
**EAVE EXTENSION TRIM - MK T142**  
(10" PURLINS)



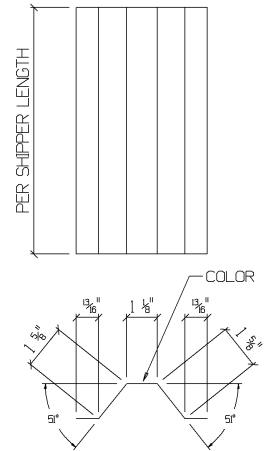
**EAVE TRIM - MK T143**



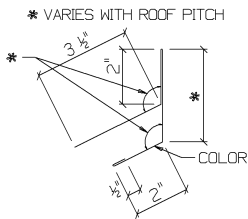
**EAVE TRIM - MK T144**



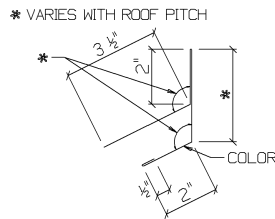
**BELOW EAVE GUTTER - MK T150**



**GUTTER STRAP TRIM - MK T151**



**EAVE EXTENSION TRIM - MK T152**  
\*REV U\* SOFFIT PANEL



**EAVE EXTENSION TRIM - MK T153**  
\*L12\* SOFFIT PANEL

## NOTICE

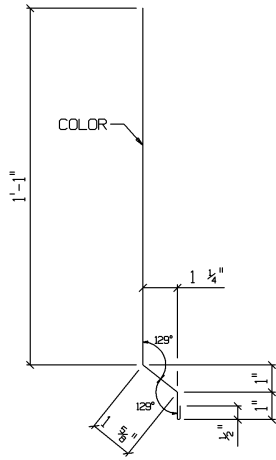
TRIM PIECES ARE PROTECTED WITH A STRIPPABLE FILM TO PRESERVE THE COLOR FINISH DURING MANUFACTURING AND SHIPMENT. THIS FILM MUST BE COMPLETELY REMOVED PRIOR TO INSTALLATION OR WITHIN 20 DAYS OF RECEIPT, WHICHEVER OCCURS FIRST. THE INSTALLER MAY CHOOSE TO REMOVE THE FILM AFTER INSTALLATION, BUT THE REMOVAL PROCESS WILL BE MORE DIFFICULT. FAILURE TO COMPLY WITH THIS NOTICE MAY RESULT IN DETERIORATION OF THE COLOR FINISH, NULLIFYING THE WARRANTY IN PART OR TOTAL.



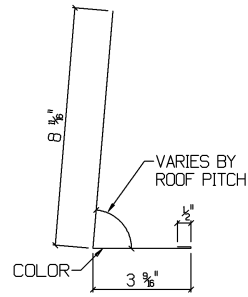
### ERECTION STANDARDS

## Standard Trim Details

**PAGE**  
**72**



**TIE-IN TRIM - MK T167**



**EAVE WRAP TRIM - MK T-174**  
(10\"/>

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### ERECTION STANDARDS

## Standard Trim Details

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