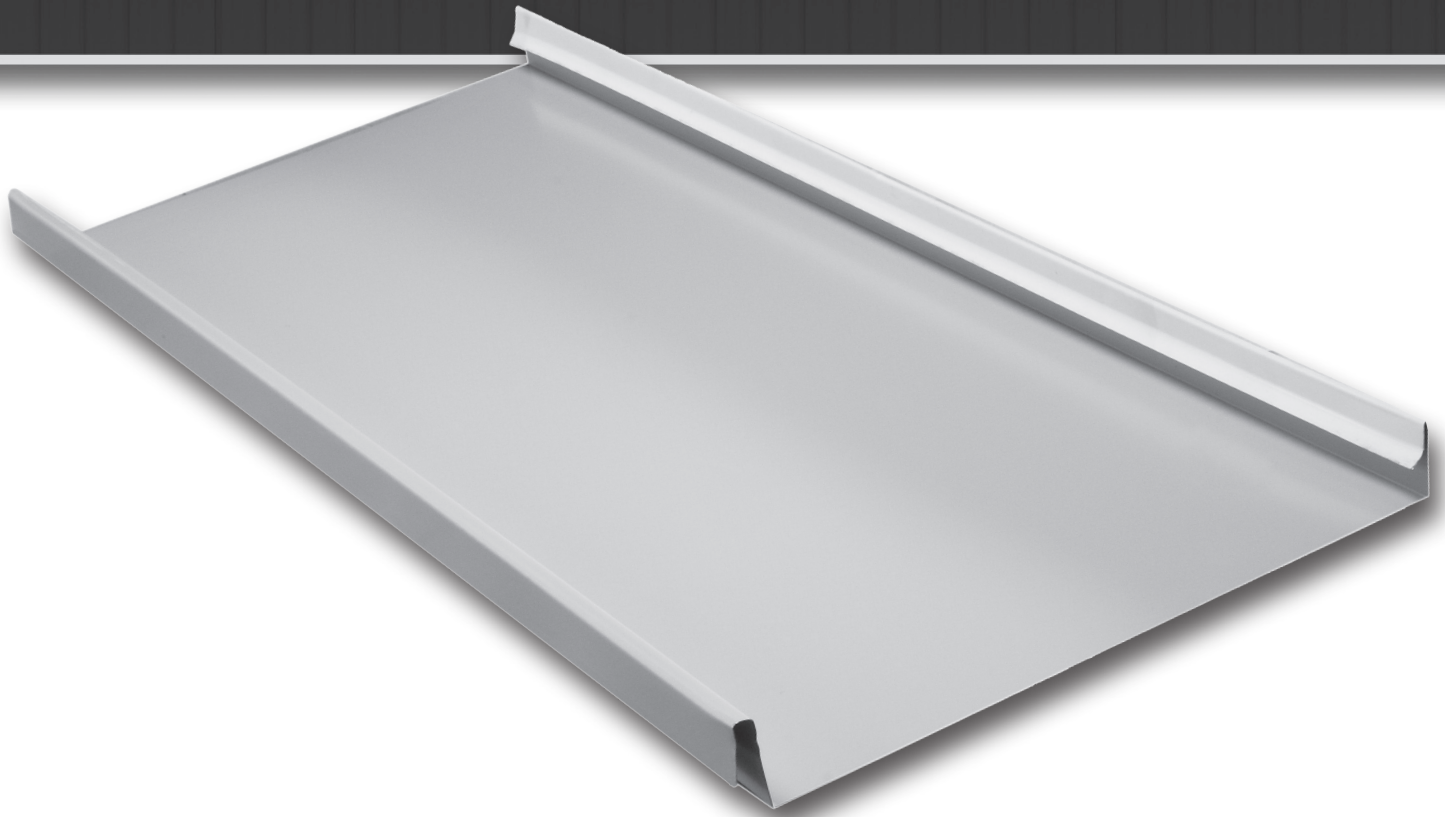


# TRIAD CORRUGATED METAL, INC.

COMMERCIAL | RESIDENTIAL | AGRICULTURAL



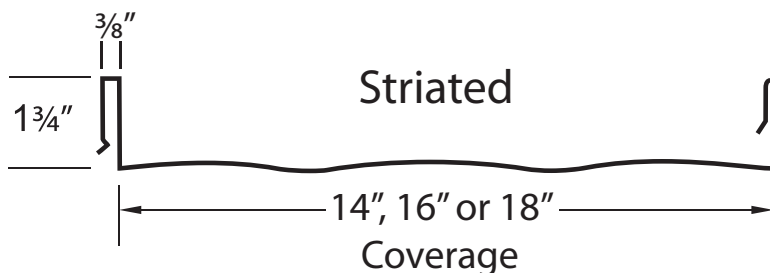
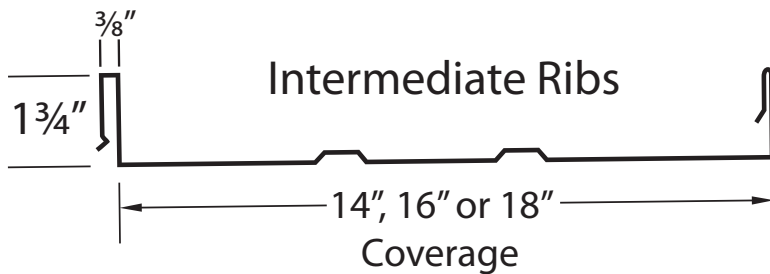
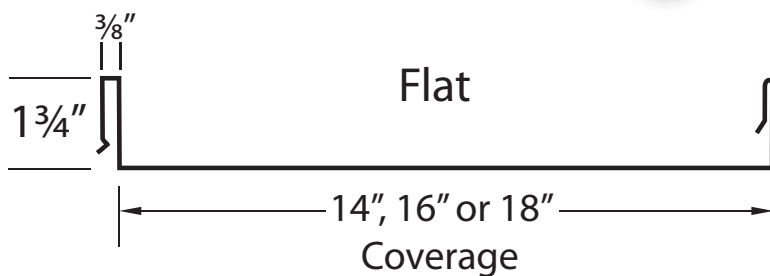
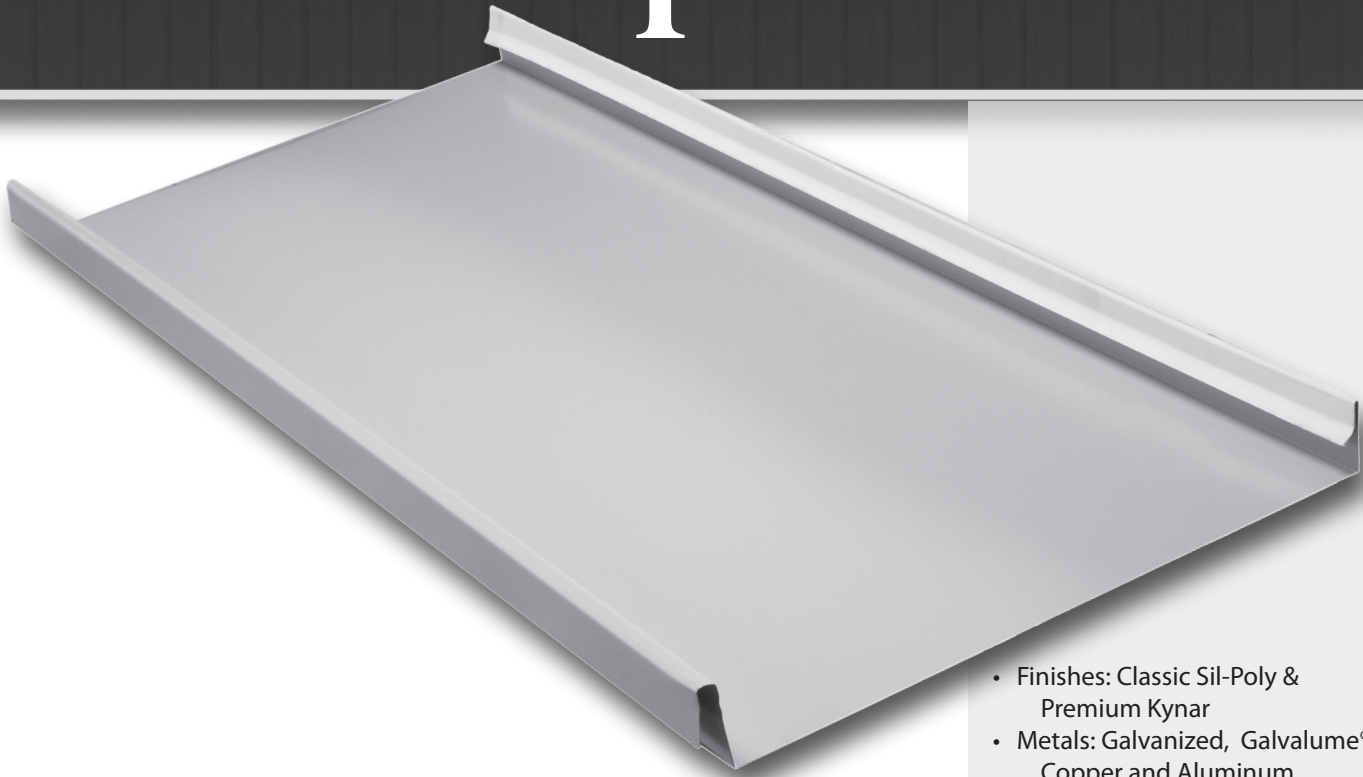
## Snap Loc Panel Guide

Snap Loc metal panels are a perfect fit for residential, architectural and commercial applications. The panels combine a clean, attractive look with strength and durability. Snap Loc is self-locking with excellent performance and ease of installation, making it an appealing choice for new or re-roofing projects.

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# Snap Loc



- Finishes: Classic Sil-Poly & Premium Kynar
- Metals: Galvanized, Galvalume®, Copper and Aluminum
- Gauges: 26ga and 24ga
- Features:
  - Δ Architectural/ structural integral standing seam panel
  - Δ Applies over open framing or solid substrate
  - Δ Snap together panel system
  - Δ Minimum roof slope: 1:12
  - Δ Length cut to the inch

## ACCESSORIES



Number in circles refer to page numbers in TCM Metal Roofing Guide.



# TCM Snap Loc (24G x 16")

Panel Description  
& Summary  
Test Data

**PANEL DESCRIPTION:** 1-3/4" Snaploc panel, 24 gauge (0.023" min.), MSG coated steel, 16" max width, 1-3/4" tall rib, painted or unpainted. (material complies with FBC 2007, Sections 1504.3.2). Bare galvanized limited warranty - 20 years for integrity and corrosion perforation, "Galvalume" limited warranty - 25 years.

**PAINT SYSTEMS:** Silicone polyester (Limited warranty 40 year for integrity and adhesion, 30 year for chalking, 30 year for fade resistance.) Kynar Fluoropon (Limited warranty 35 years for integrity and adhesion, 30 years for chalking, 30 years for fade resistance.)

**PANEL CLIP & FASTENER:** Clip -One piece "1500SNS" 3.5" long @18" O.C. max. Fastener (2) #10-12 X 1", #2 Phillips Drive, Low profile screw per clip. (Corrosion resistant per FBC 2007 Section 1507.4.4)

**MAXIMUM ALLOWABLE PANEL UPLIFT PRESSURE:** 112.5 PSF, pressure based on UL 580/UL 1897 testing, UL construction #508,508a.

**ROOF PANEL FIRE RATING:** Panel has a Class B fire exposure rating in accordance with FBC Section 1505.3 without an additional fire barrier.

**MINIMUM ROOF SLOPE:** 3:12 Minimum slope (complies with FBC 2007, Section 1507.4.2 and manufacturers recommendations.)

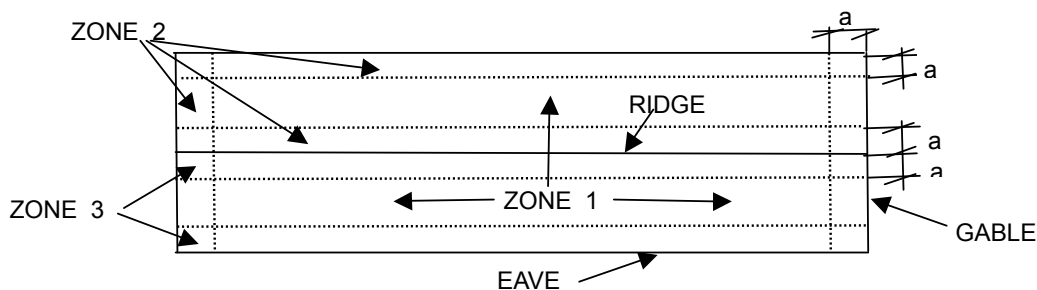
**SUBSTRATE:** Min. 19/32" thick, APA rated plywood, grade C-D, All joints sealed with one part urethane sealant feathered out from the joint. Plywood must be designed in accordance with FBC 2004.

**VAPOR BARRIER:** Recommended synthetic sheet (Titanium UDL30), Minimum 30# asphalt saturated organic felts paper in accordance with ASTM D226, Type I or Type II.

## TESTING ( Dated July, 2003)

Test is based on 24 gauge 16" wide panel with 1-3/4" rib installed over 19/32 plywood  
Buildings having a mean roof height less than or equal to 20', roof slope PF 3:12 to 12:12.  
Wind speeds 110 - 140 MPH, exposure C, 1=1.0, based on FLORIDA BUILDING CODE 2004

1-3/4" RIB - 24 GA. SNAP LOC, 16" WIDE FASTENER SPACING					
			WIND SPEED ZONE		
			110	120	130
ZONE	FASTENER	SUBSTRATE	MAX. ON CENTER SPACING	ON CENTER SPACING	ON CENTER SPACING
ZONE 1	(2) #10-12 X 1" /clip	19/32" CDX SEALED	508A - 36" / 508 - 18"	36"	36"
ZONE 2	(2) #10-12 X 1" /clip	19/32" CDX SEALED	508A - 36" / 508 - 18"	36"	36"
ZONE 3	(2) #10-12 X 1" /clip	19/32" CDX SEALED	508A - 36" / 508 - 18"	36"	36"



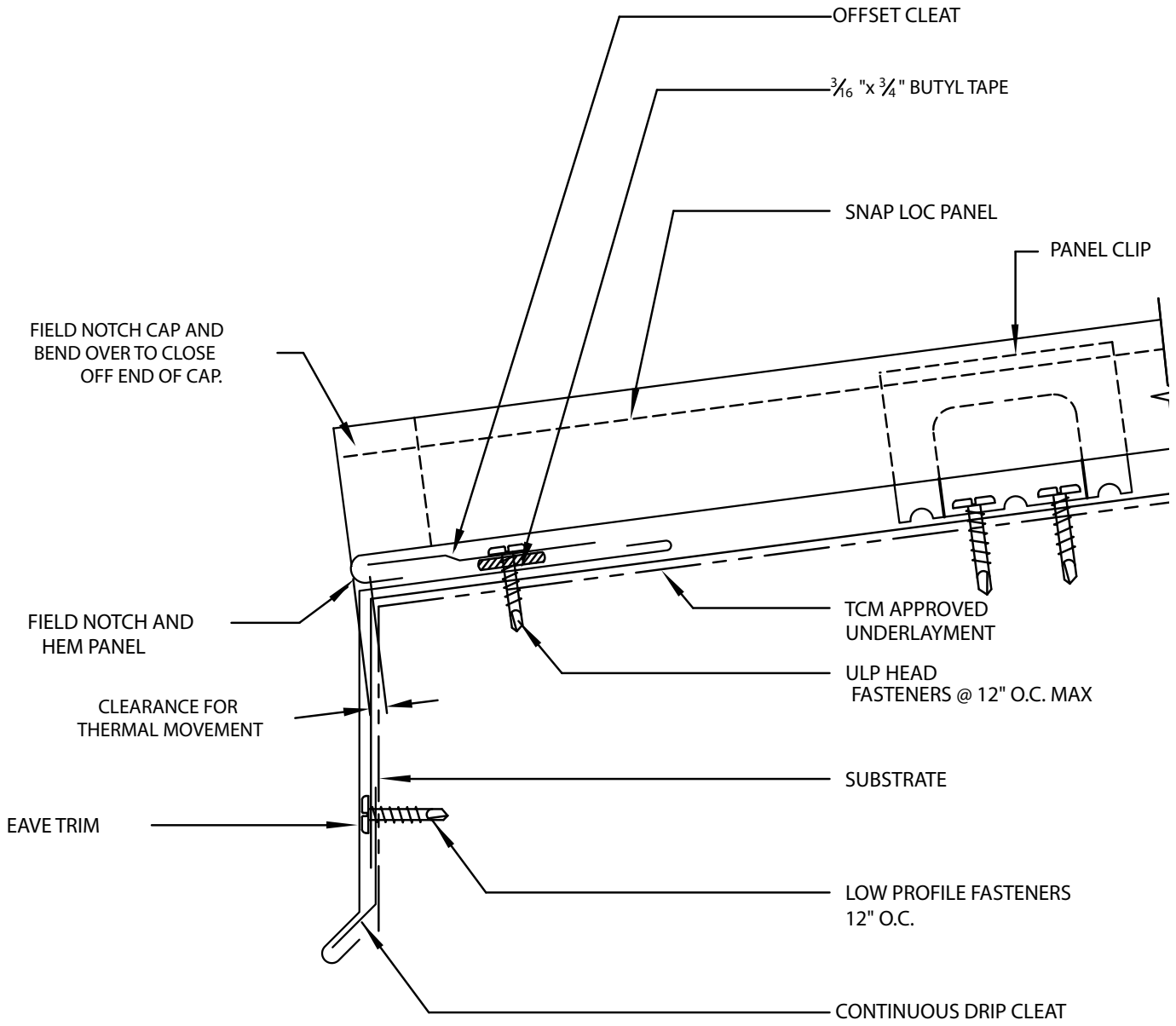
NOTE: Dimension (a) is defined as 10% of the minimum width of the building or 40% of the mean height of the roof, whichever is smaller, however, (a) cannot be less than either 4% of the minimum width of the building or 3 feet.

*Additional panel test data available upon request*



# Snap Loc

## Eave Section

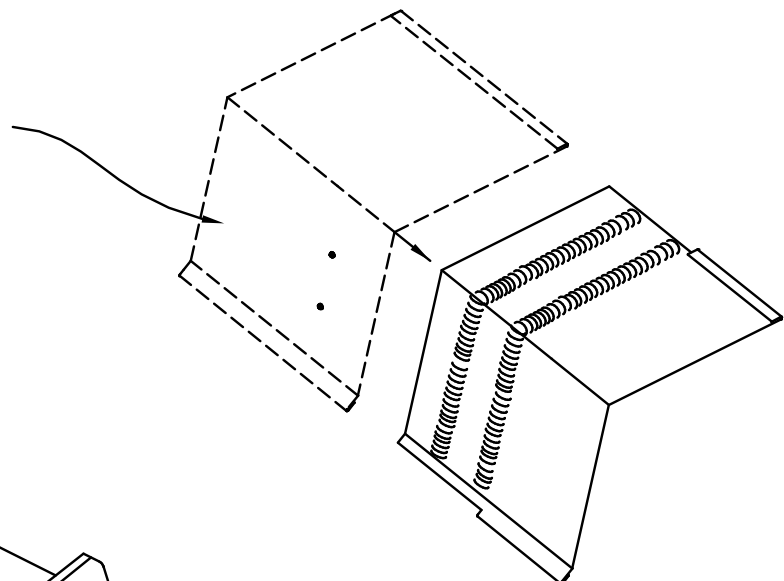




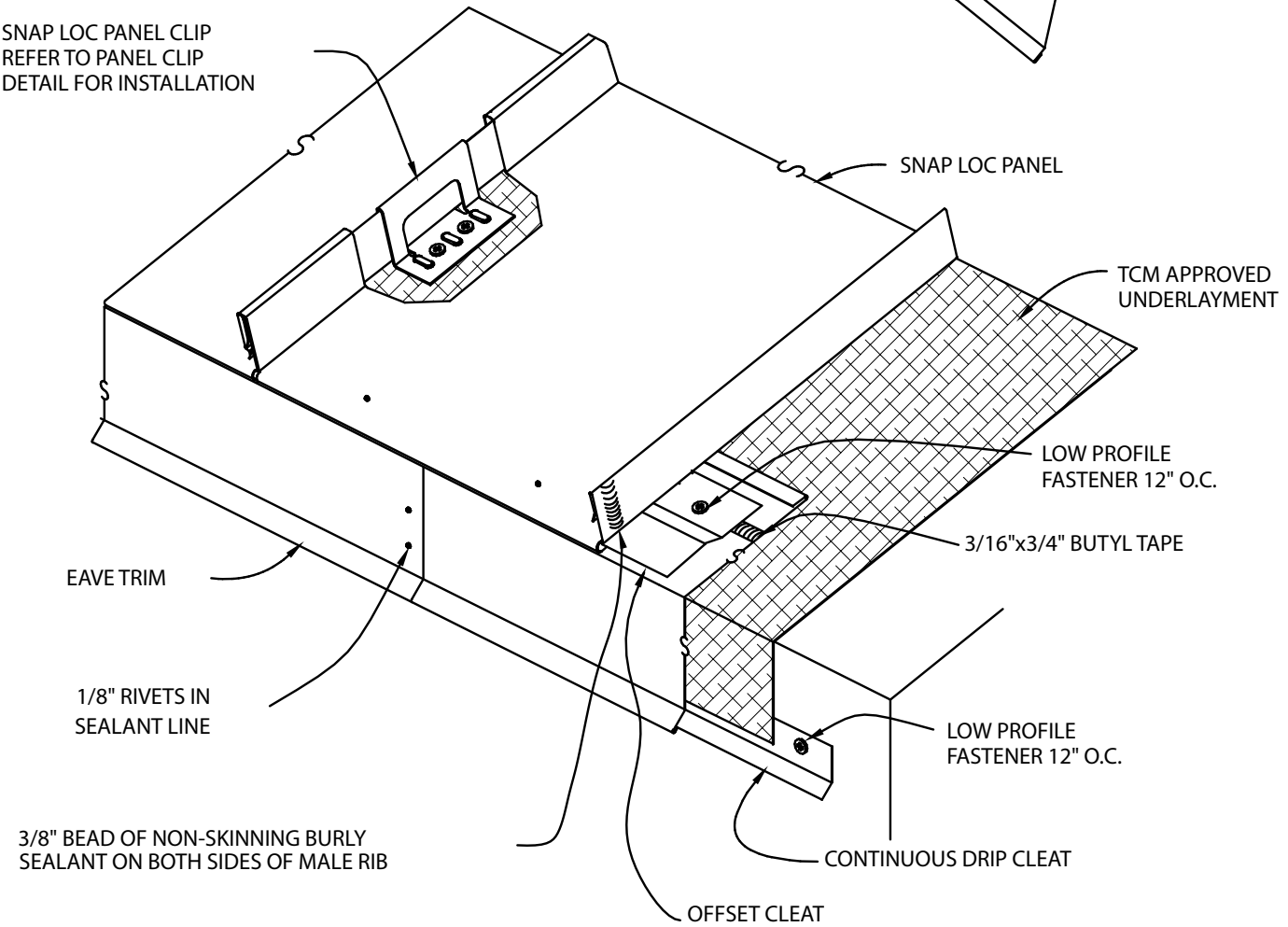
# Snap Loc

Eave  
ISO View

FIELD NOTCH HEMS OF JOINING EAVE TRIM  
3" LONG AND 1/8" WIDE AT SPLICE. APPLY (2)  
3/8" BEADS OF NON-SKINNING BUTYL SEALANT  
TO TOPSIDE OF JOINING EAVE TRIM  
BEFORE ENGAGING



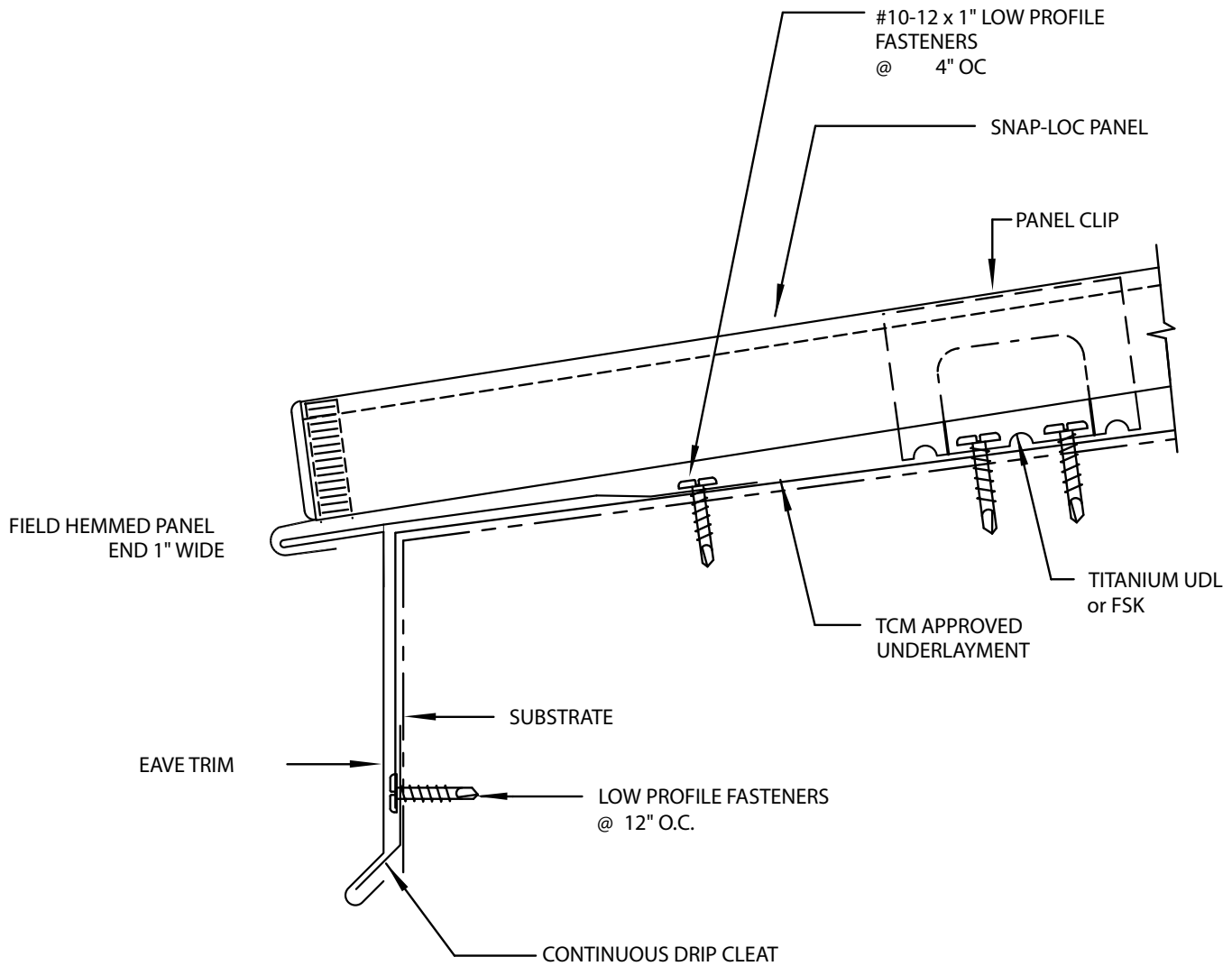
SNAP LOC PANEL CLIP  
REFER TO PANEL CLIP  
DETAIL FOR INSTALLATION





# Snap Loc

Low Eave  
Section

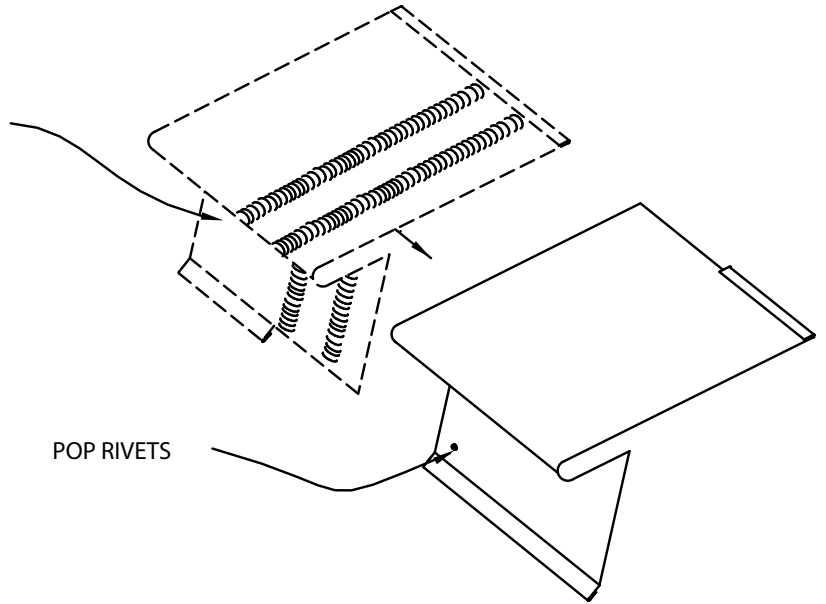




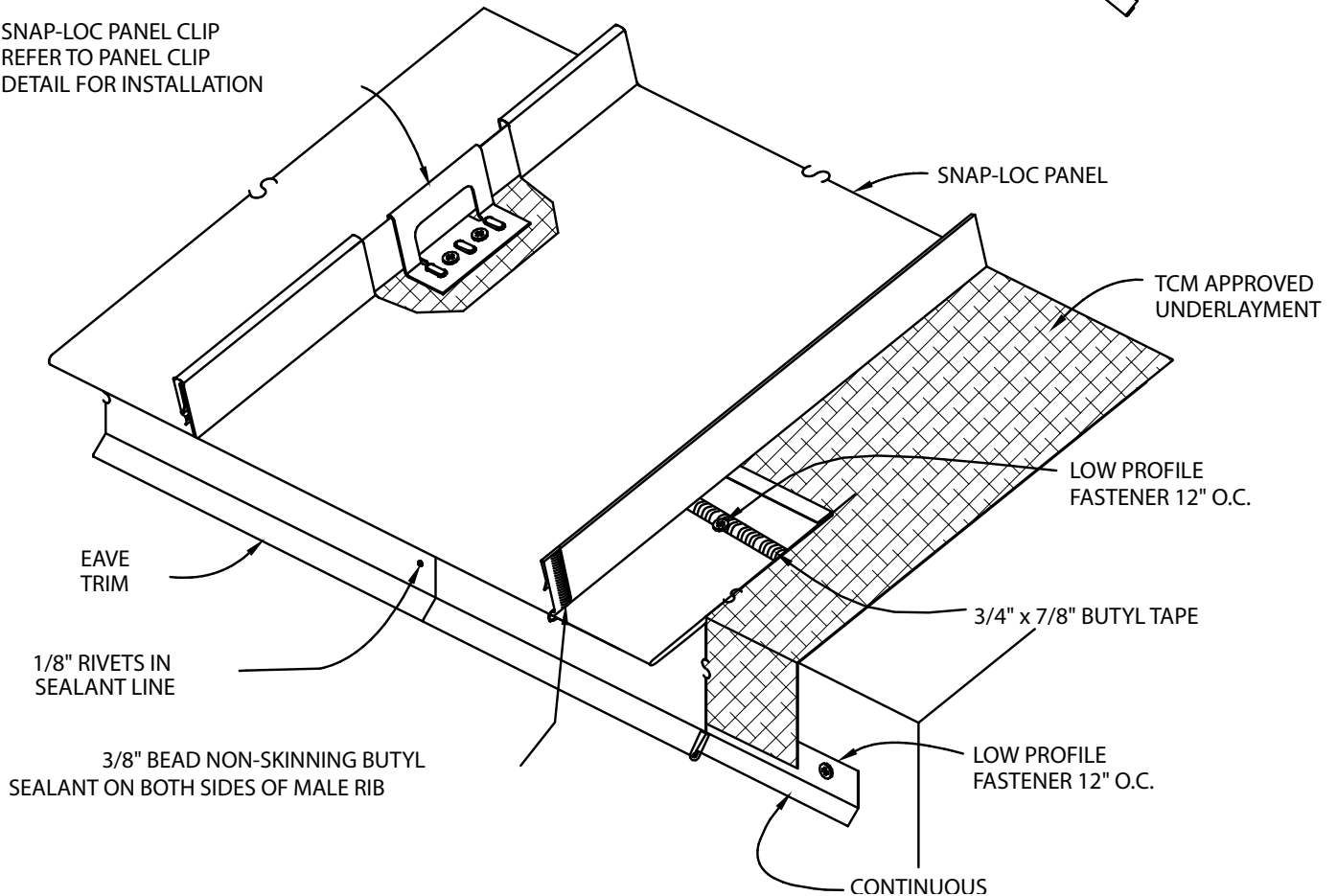
# Snap Loc

Low Eave  
ISO View

FIELD NOTCH HEMS OF COVERED EAVE TRIM  
3" LONG AND 1/8" WIDE AT SPLICE. APPLY (2)  
3/8" BEADS OF NON-SKINNING BUTYL SEALANT  
TO TOPSIDE OF COVERED EAVE TRIM  
BEFORE ENGAGING. USE 2 POP RIVETS  
TO FASTEN.



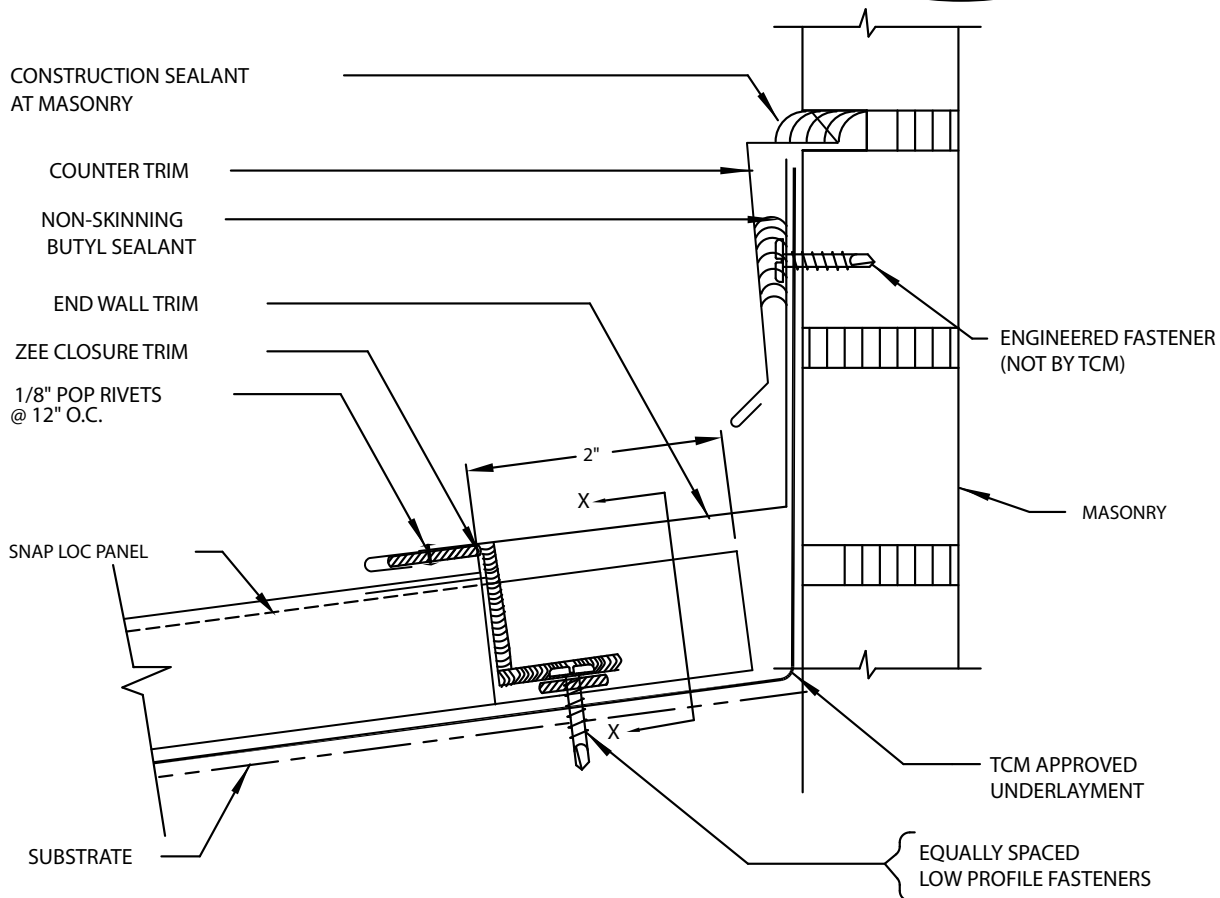
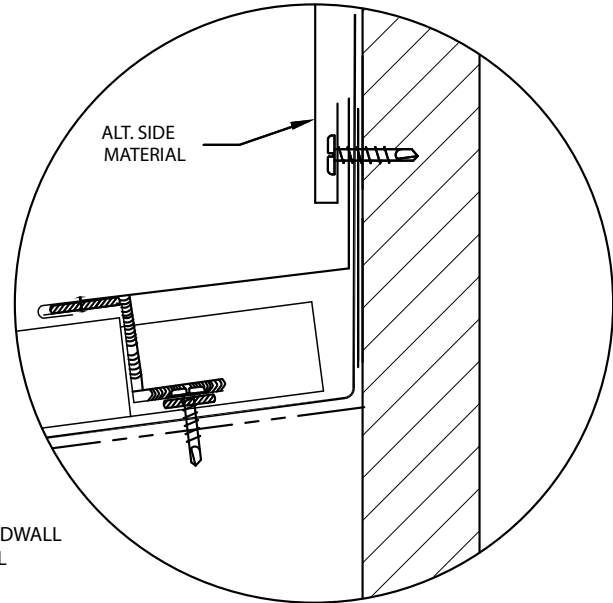
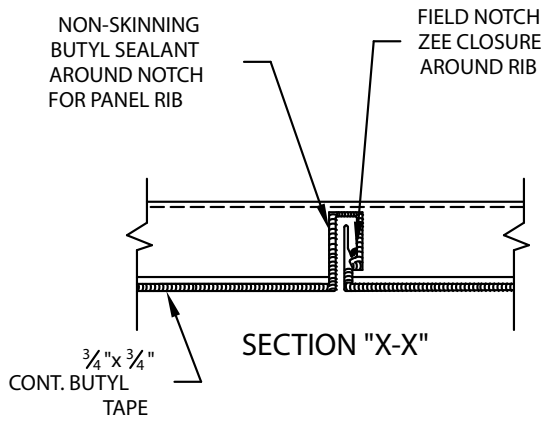
SNAP-LOC PANEL CLIP  
REFER TO PANEL CLIP  
DETAIL FOR INSTALLATION





# Snap Loc

End Wall  
Section





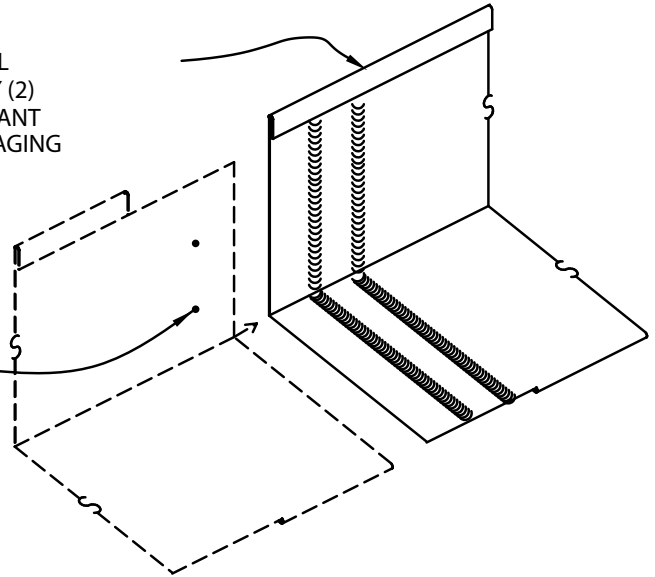


# Snap Loc

End Wall  
ISO View

FIELD NOTCH HEMS OF JOINING HEAD WALL TRIM 3" LONG AND 1/8" WIDE AT LAP. APPLY (2) 3/8" BEADS OF NON-SKINNING BUTYL SEALANT TO TOPSIDE OF JOINING TRIM BEFORE ENGAGING

POP RIVETS



CONSTRUCTION SEALANT

ENGINEERED FASTENER (NOT BY TCM)

COUNTER FLASH

CONTINUOUS NON-SKINNING BUTYL SEALANT

END WALL TRIM

3/16"x3/4" CONTINUOUS BUTYL TAPE

1/8" RIVET TO ZEE @ 12" O.C.

TCM APPROVED UNDERLAYMENT

LOW PROFILE FASTENERS (2) EQUALLY SPACED FOR 10" & 12" WIDE PANELS (4) EQUALLY SPACED FOR 18" WIDE PANELS

3/16"x3/4" CONTINUOUS BUTYL TAPE

SNAP-LOC PANEL

ZEE CLOSURE TRIM AT PANEL RIB USE BUTYL SEALANT AROUND NOTCH FOR PANEL RIB



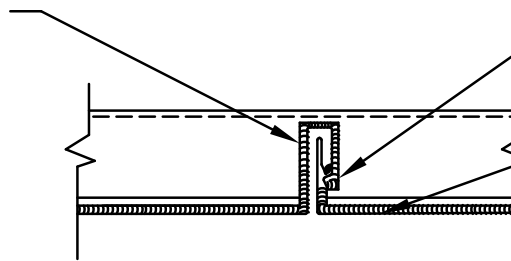
# Snap Loc

## High Eave Section

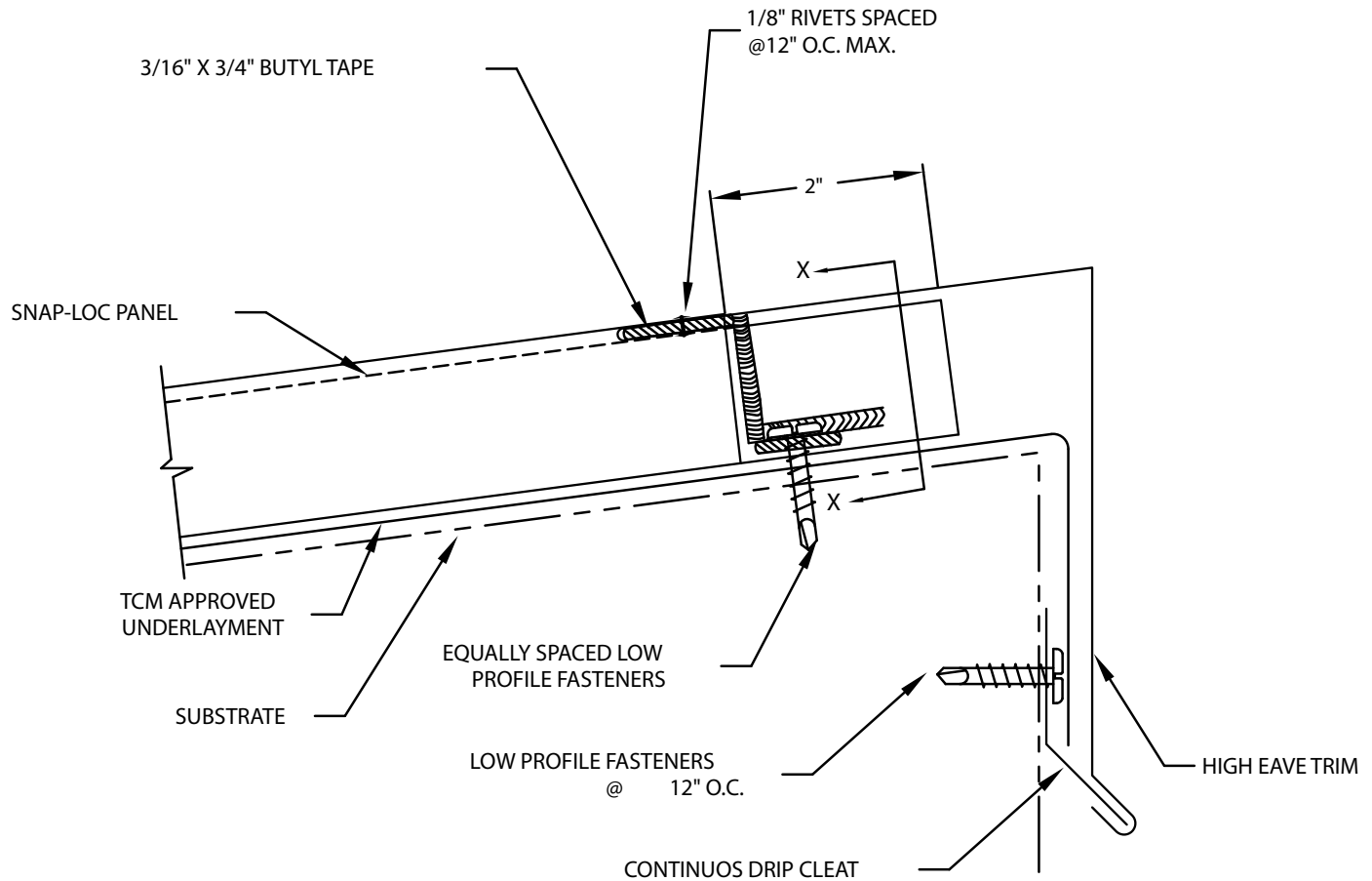
NON-SKINNING BUTYL SEALANT AROUND NOTCH FOR PANEL RIB

FIELD NOTCH ZEE CLOSURE AROUND RIB

3/16"x3/4" CONT. BUTYL TAPE



SECTION "X-X"



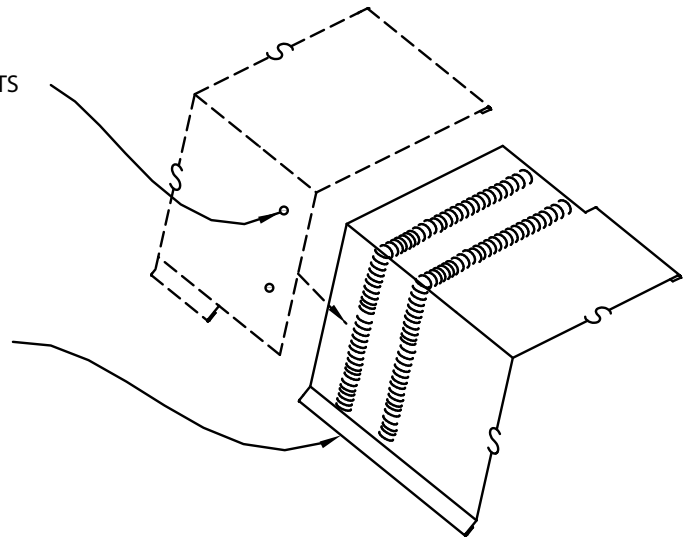


# Snap Loc

High Eave  
ISO View

POP RIVETS

FIELD NOTCH HEMS OF COVERED EAVE TRIM  
3" LONG AND 1/8" WIDE AT SPLICE. APPLY (2)  
3/8" BEADS OF NON-SKINNING BUTYL SEALANT  
TO TOPSIDE OF COVERED EAVE TRIM  
BEFORE ENGAGING USE 2 POP RIVETS  
TO FASTEN.



1/8" RIVETS AT  
TRIM LAP IN  
SEALANT LINE

1/8" RIVETS:  
SPACED 12" O.C. MAX.

3/16"x3/4"  
CONTINUOUS BUTYL  
TAPE

SNAP-LOC PANEL

ZEE CLOSURE  
FIELD-NOTCH  
TO PANEK  
RIB

HIGH EAVE TRIM

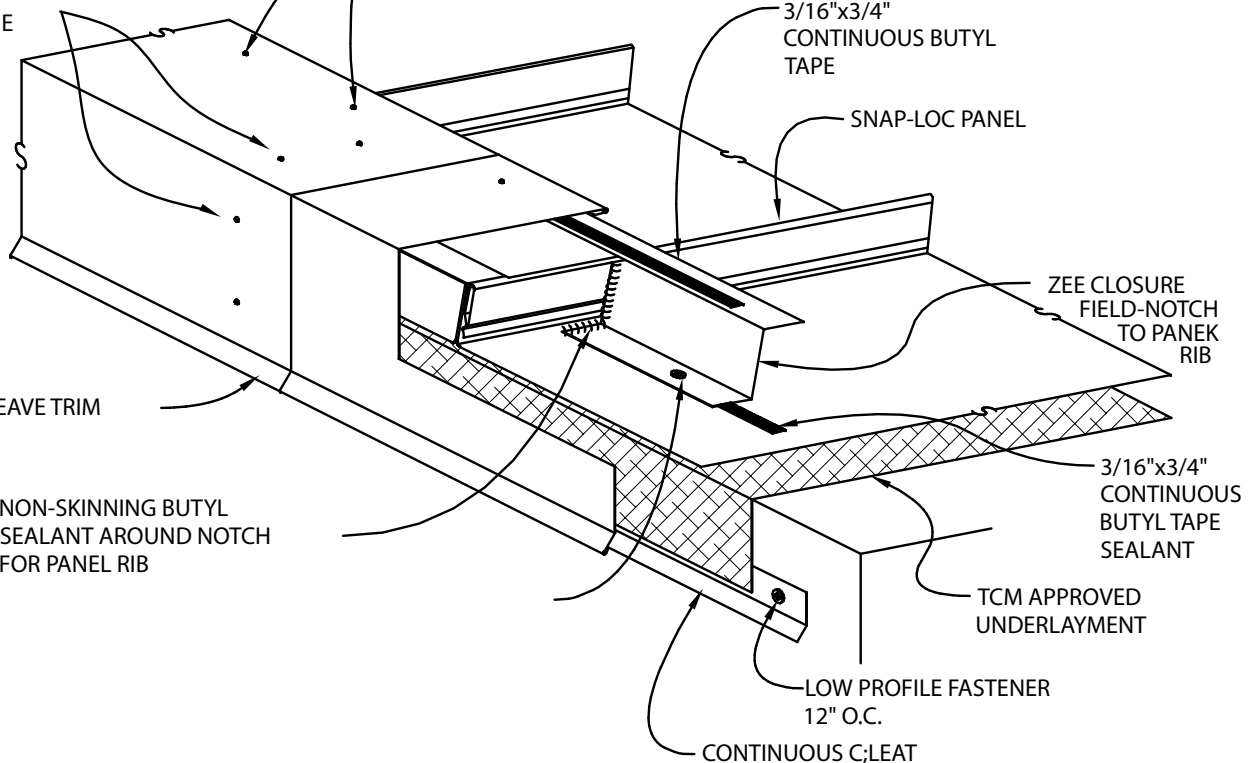
NON-SKINNING BUTYL  
SEALANT AROUND NOTCH  
FOR PANEL RIB

3/16"x3/4"  
CONTINUOUS  
BUTYL TAPE  
SEALANT

TCM APPROVED  
UNDERLAYMENT

LOW PROFILE FASTENER  
12" O.C.

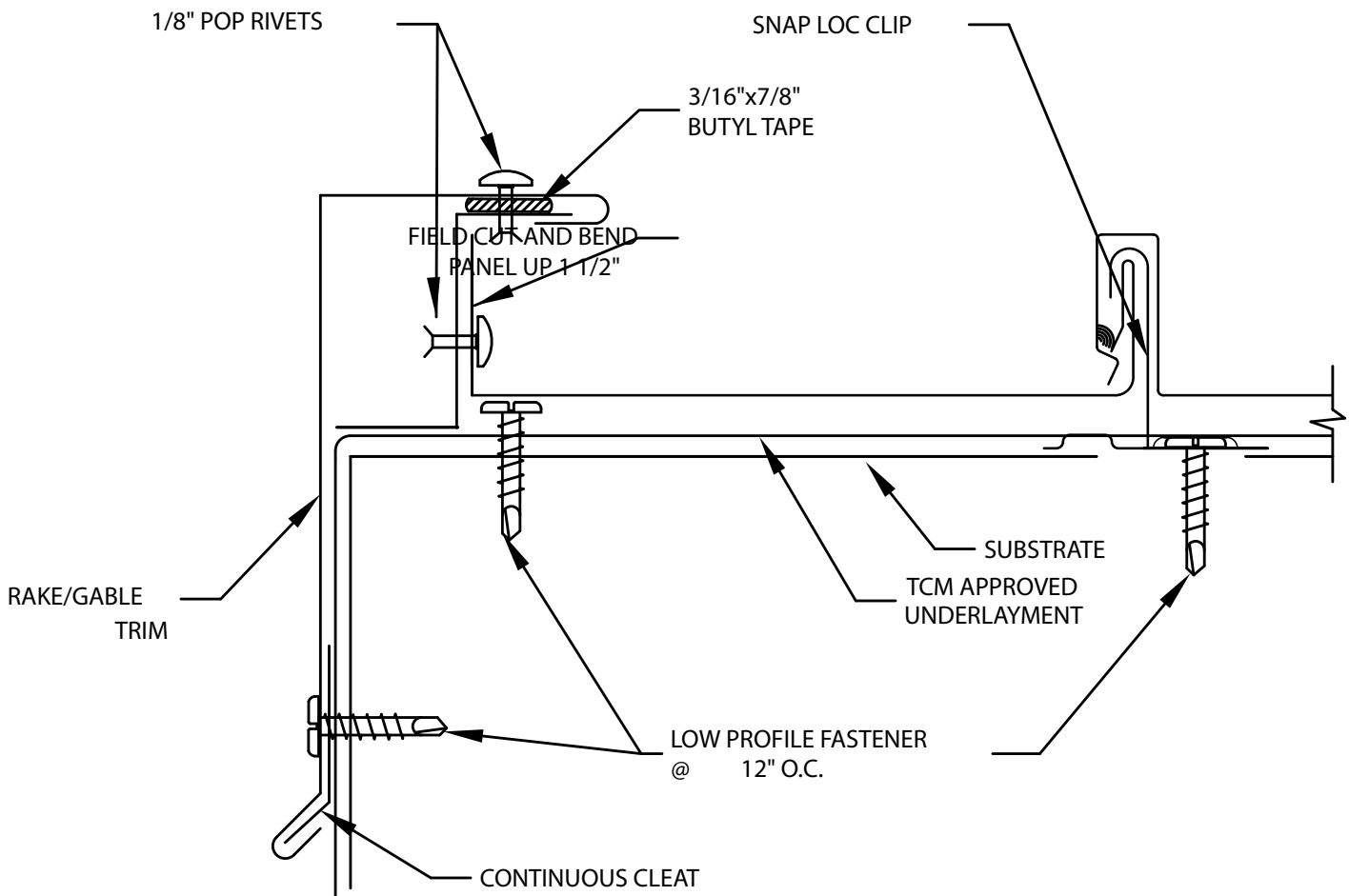
CONTINUOUS SEALANT





# Snap Loc

Rake A  
Section

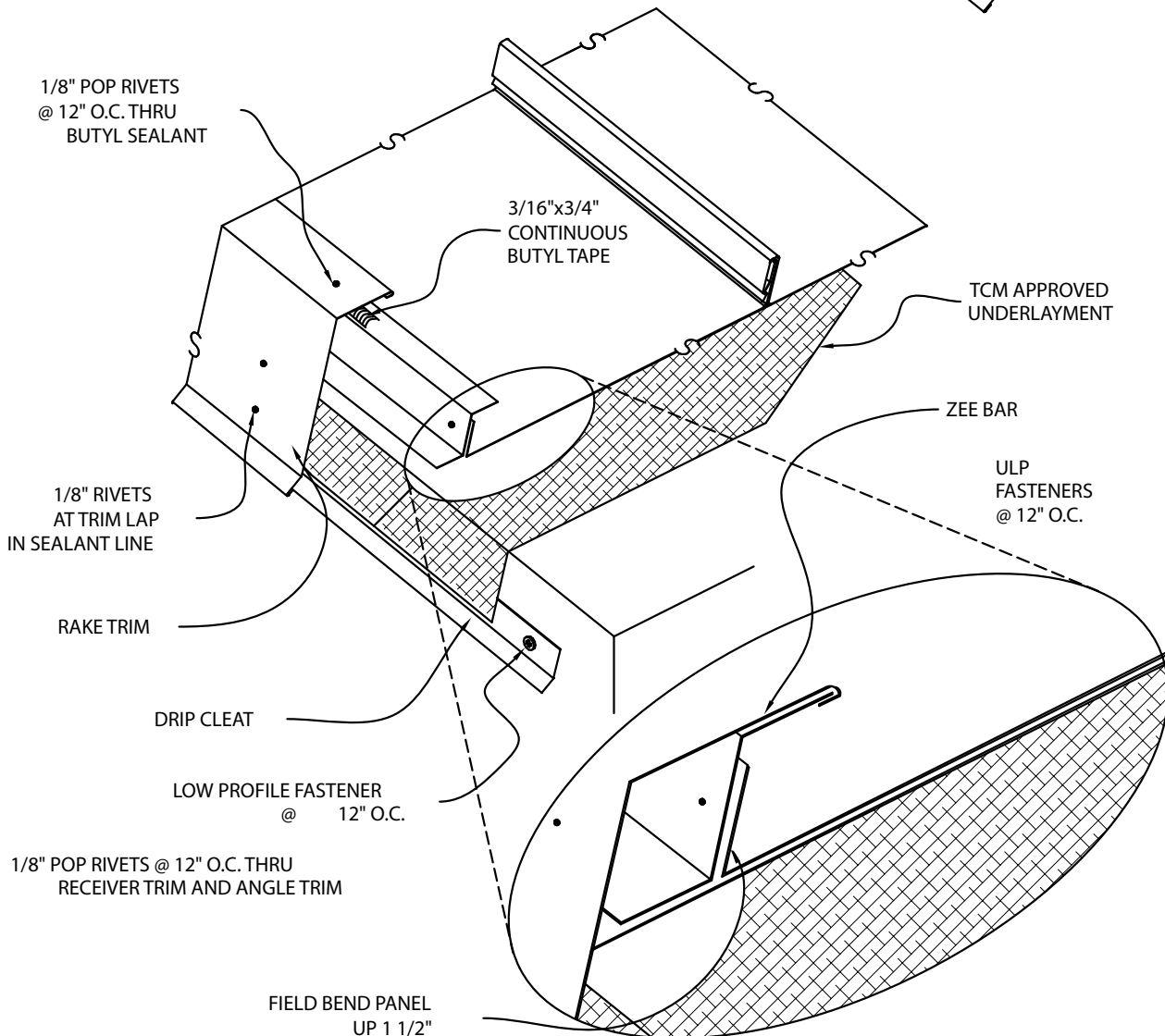
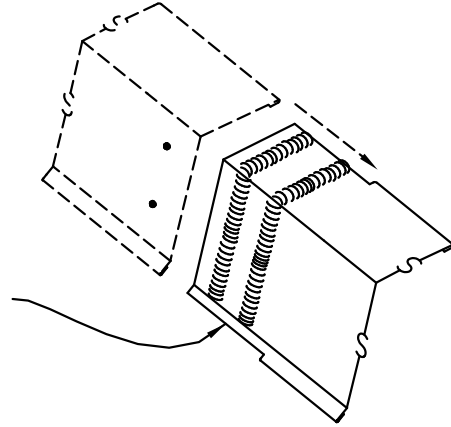




# Snap Loc

Rake A  
ISO View

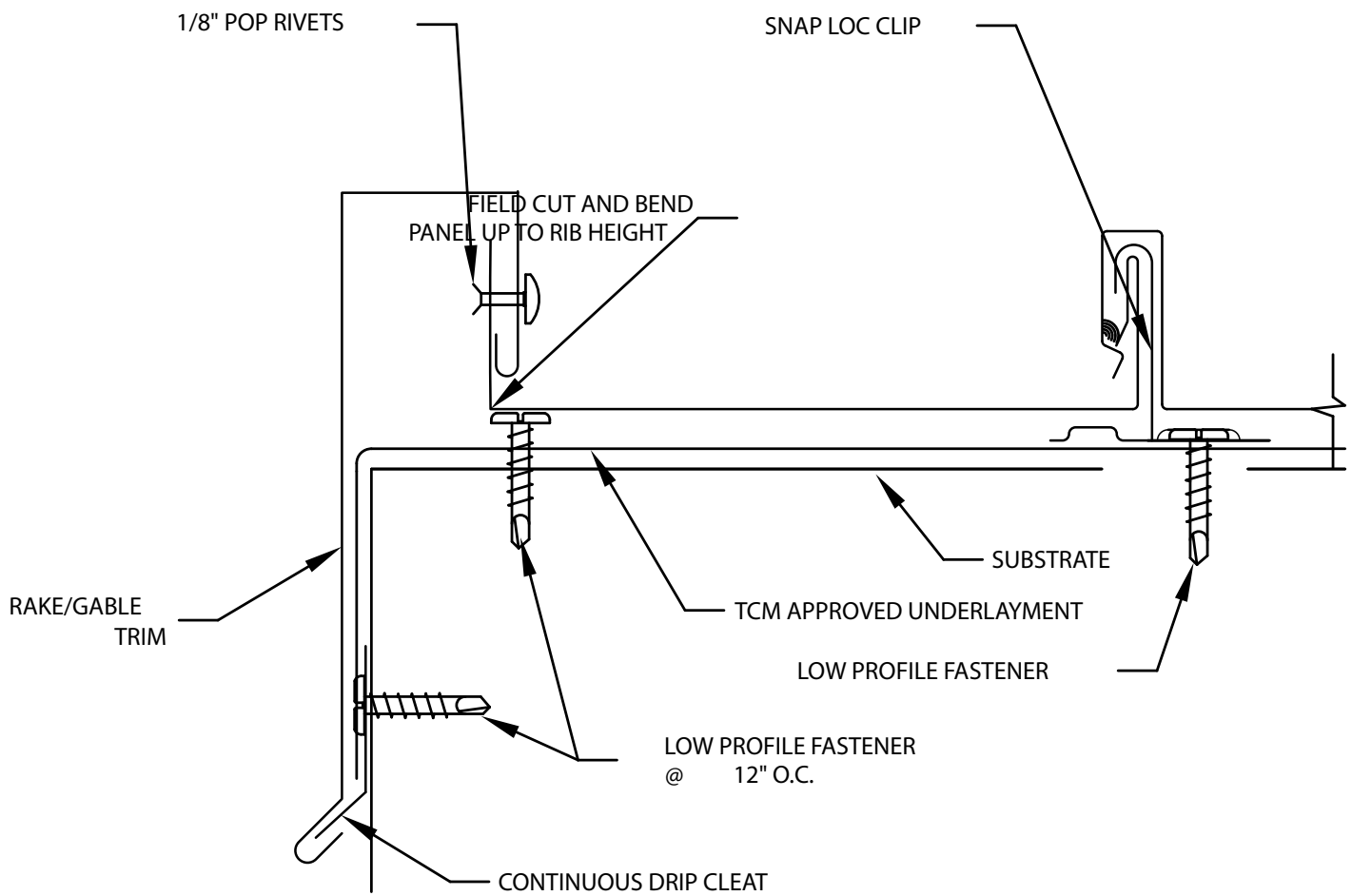
FIELD NOTCH HEMS OF UNDER TRIM PIECE  
3" LONG AND 1/8" WIDE AT SPLICE. APPLY (2)  
3/8" BEADS OF NON-SKINNING BUTYL SEALANT  
TO TOPSIDE OF UNDER PIECE USE 2 POP RIVETS  
TO SECURE BEFORE ENGAGING.





# Snap Loc

Rake B  
Section

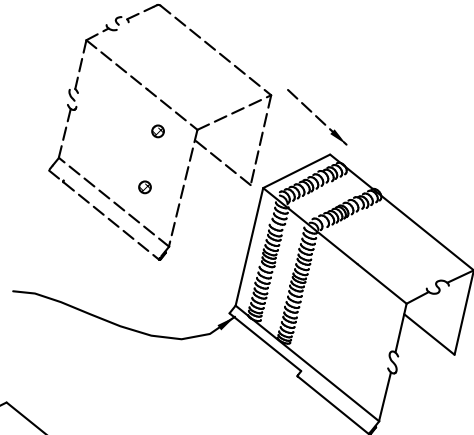




# Snap Loc

Rake B  
ISO View

TRIM JOINT DETAIL:  
FIELD NOTCH HEMS OF COVERED GABLE TRIM  
3" LONG AND 1/8" WIDE AT SPLICE. APPLY (2)  
3/8" BEADS OF NON-SKINNING BUTYL SEALANT  
TO TOPSIDE OF COVERED USE 2 POP RIVETS  
TO FASTEN.



1/8" POP RIVETS  
@ 12" O.C. THRU  
BUTYL SEALANT

TCM APPROVED  
UNDERLAYMENT

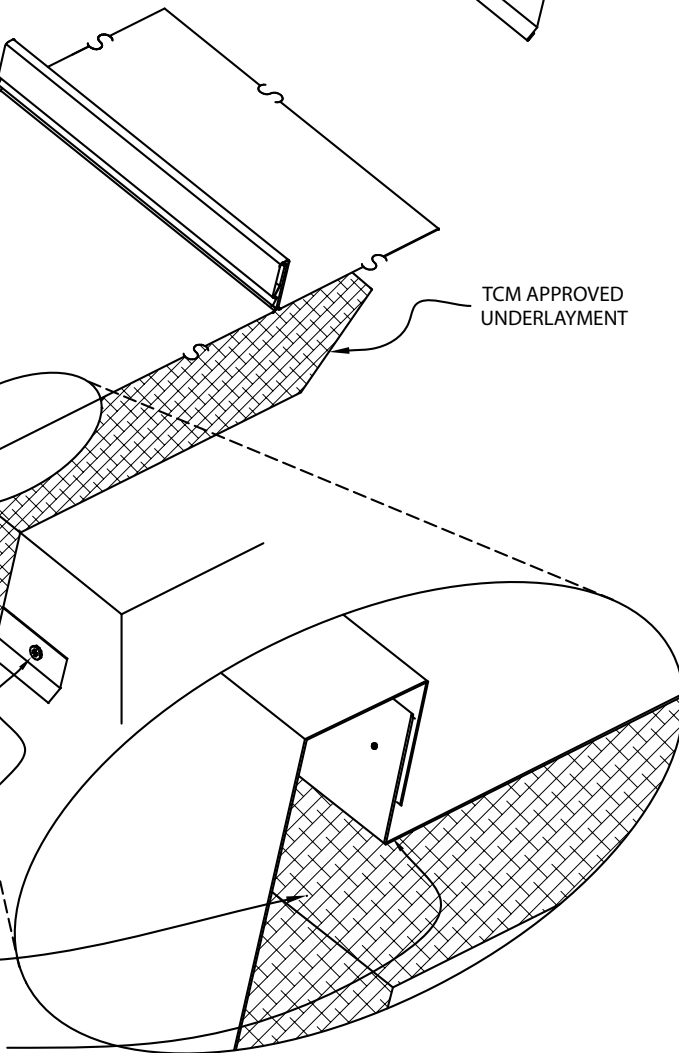
RAKE TRIM

DRIP CLEAT

LOW PROFILE FASTENER  
@ 12" O.C.

DRIP CLEAT

FIELD BEND PANEL  
UP 1 1/2"

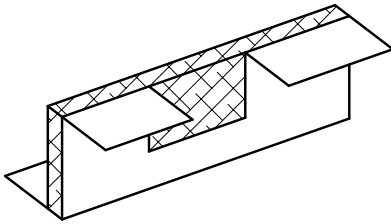




# Snap Loc

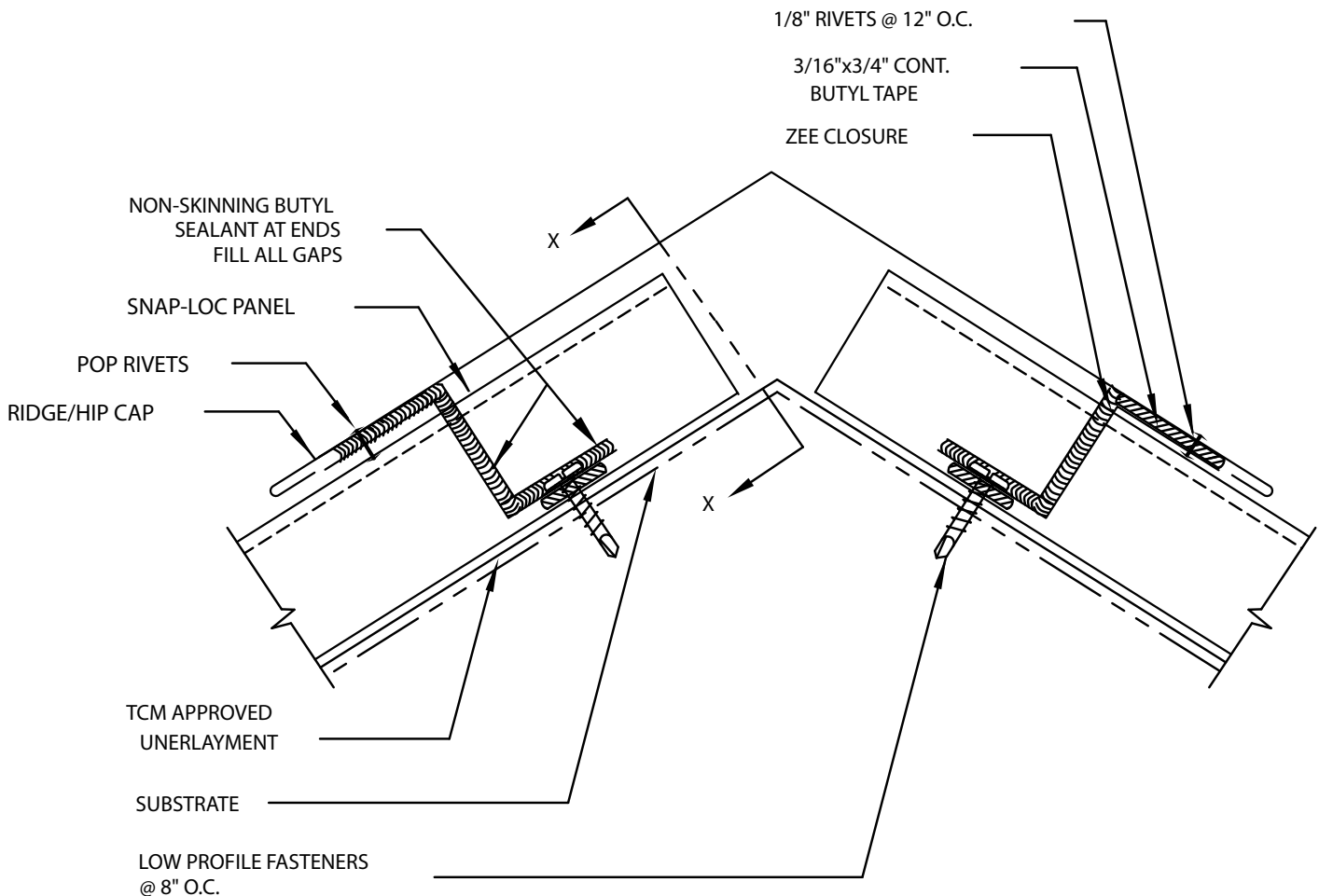
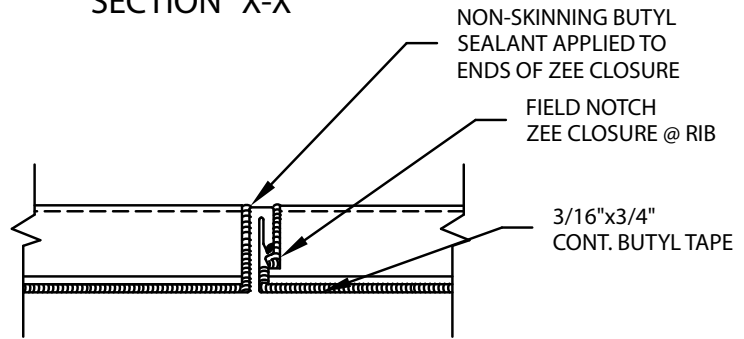
Ridge/Hip  
Section

## ALTERNATE: VENTED RIDGE



NOTE: TO VENT RIDGE NOTCH ZEE BAR  
1" DEEP/INSERT VENTING  
CLOSURE MATERIAL BEHIND

## SECTION "X-X"



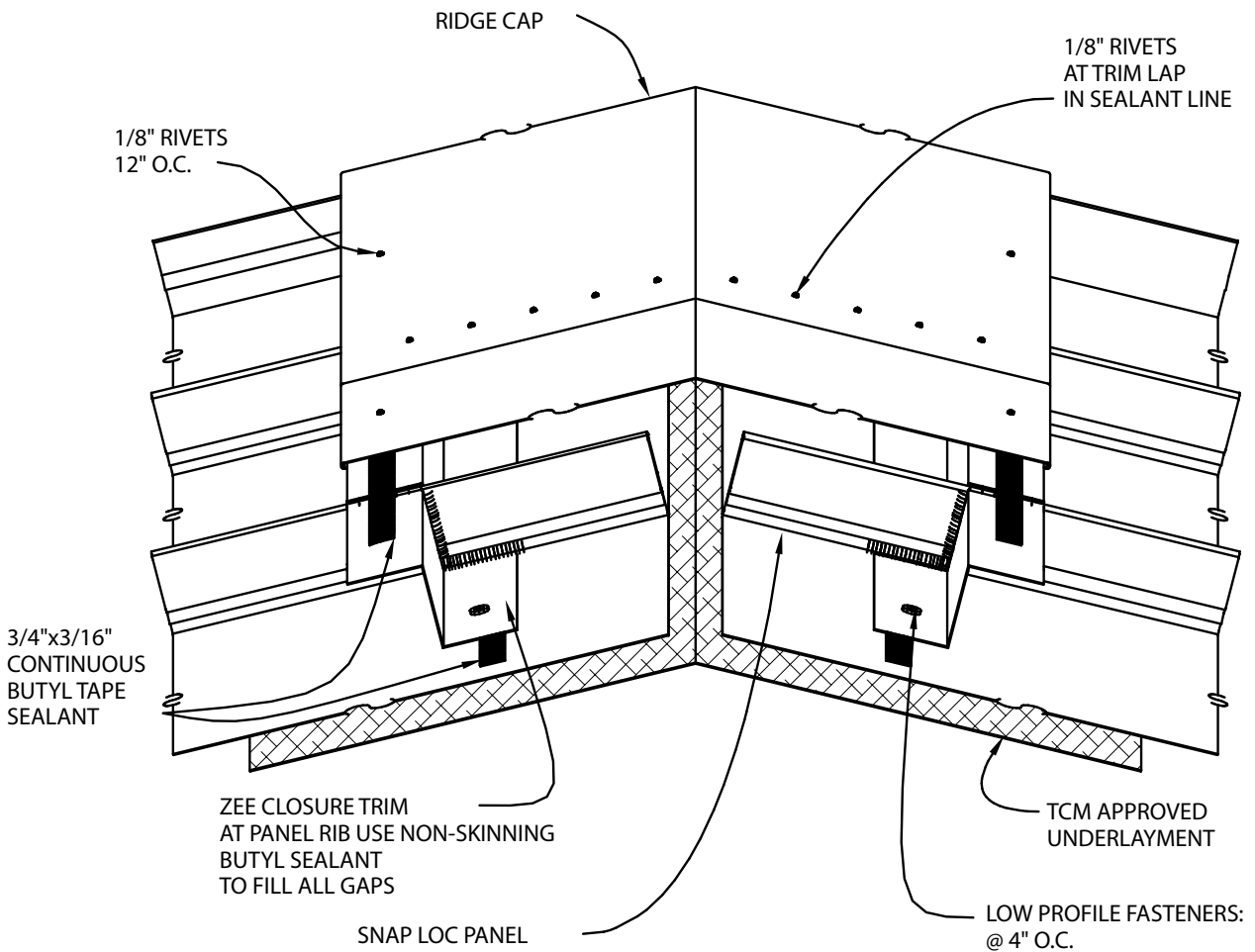
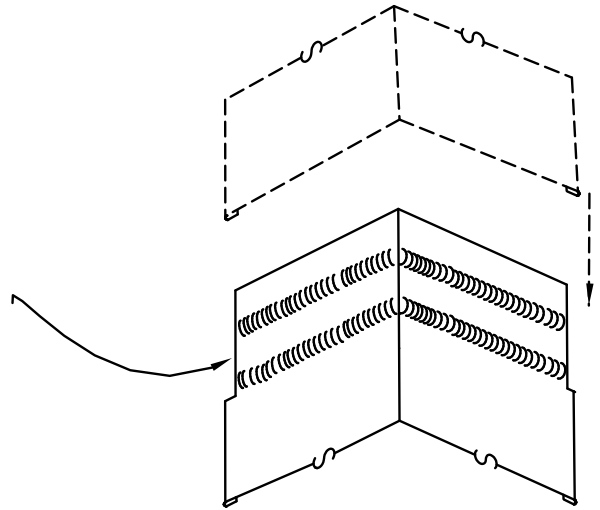




# Snap Loc

Ridge/Hip  
ISO View

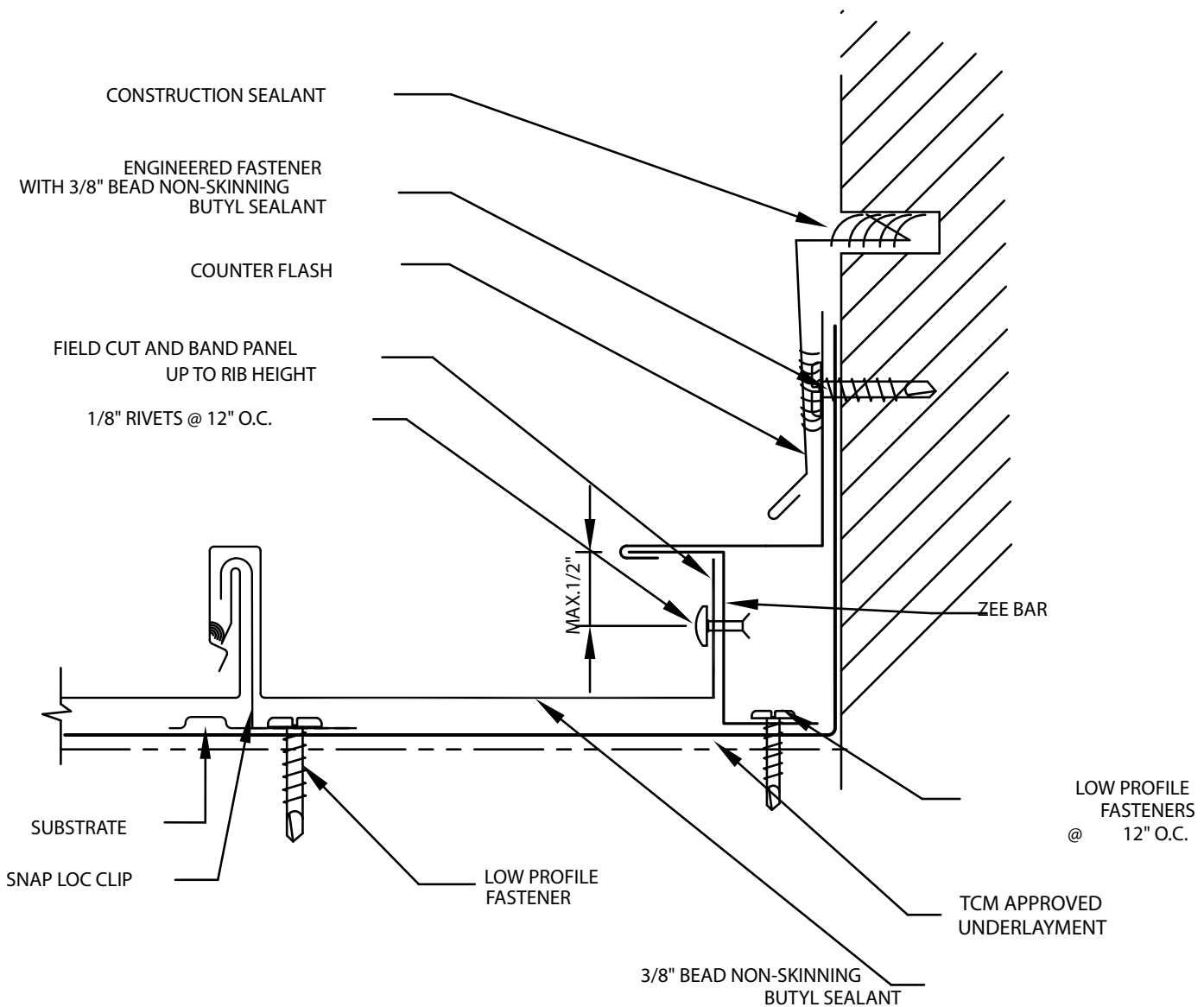
FIELD NOTCH HEMS OF UNDER TRIM PIECE  
3" LONG AND 1/8" WIDE AT SPLICE. APPLY (2)  
3/8" BEADS OF NON-SKINNING BUTYL SEALANT  
TO TOPSIDE OF UNDER HIP CAP USE POP  
RIVETS TO SECURE BEFORE ENGAGING.





# Snap Loc

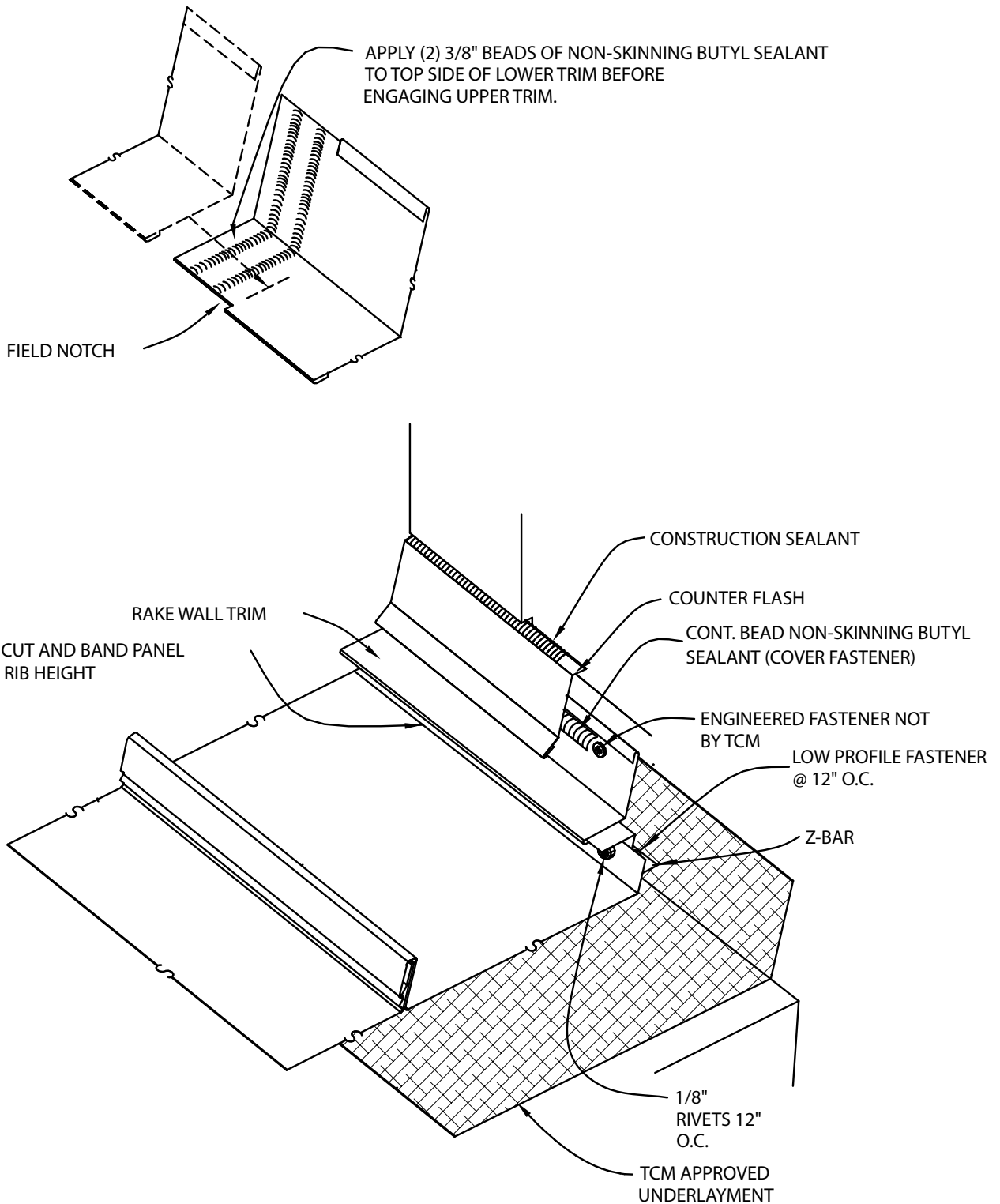
Side Wall  
Section





# Snap Loc

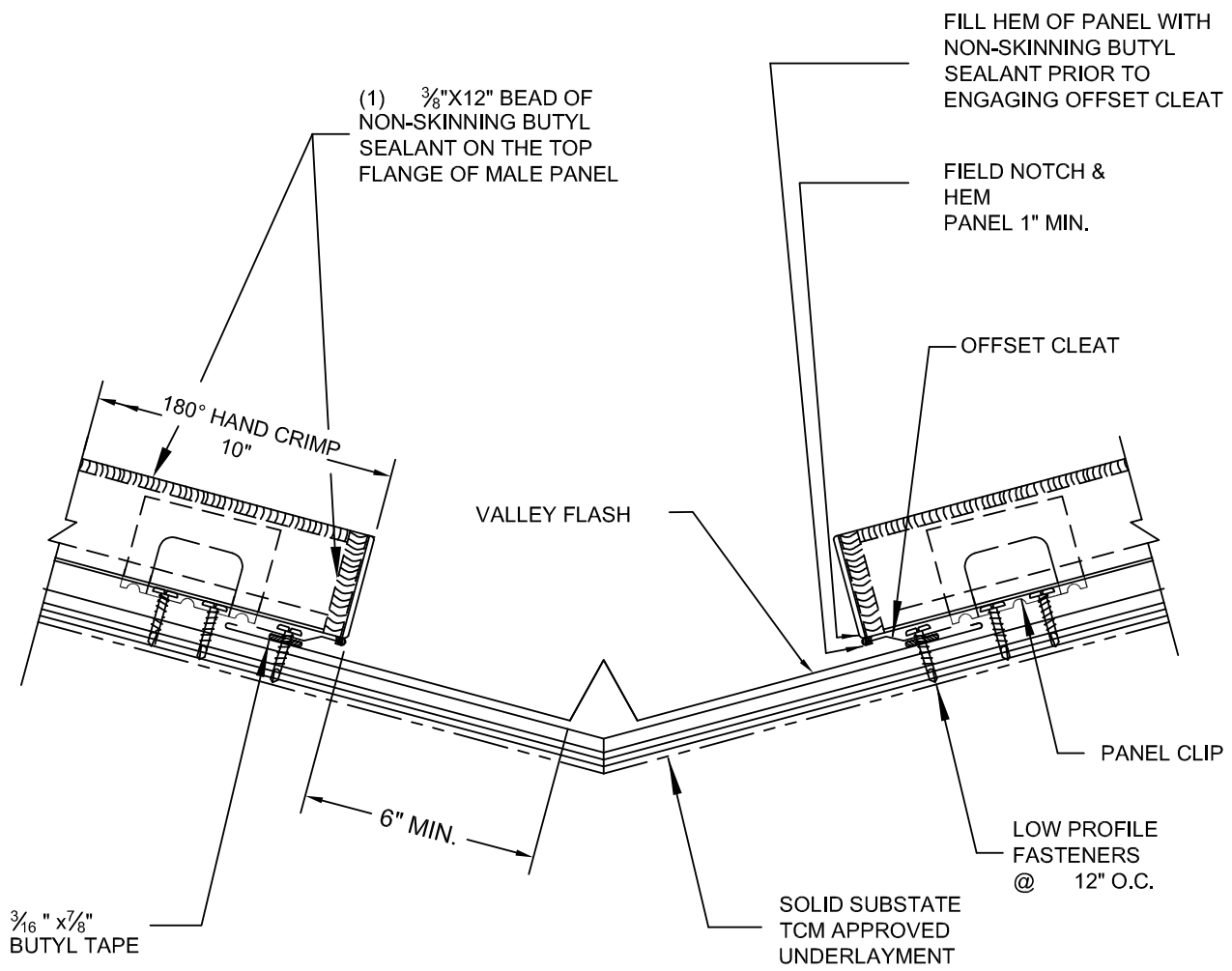
Side Wall  
ISO View





# Snap Loc

## Valley Detail Section











**A  Greener Choice for Your Metal  
Roofing and Building Systems!**

**TRIAD CORRUGATED METAL, INC.**

208 Luck Road Asheboro, NC 27205

Phone: 336 625 9727 • Fax: 336 625 9722

[www.triadmetalroof.com](http://www.triadmetalroof.com)