

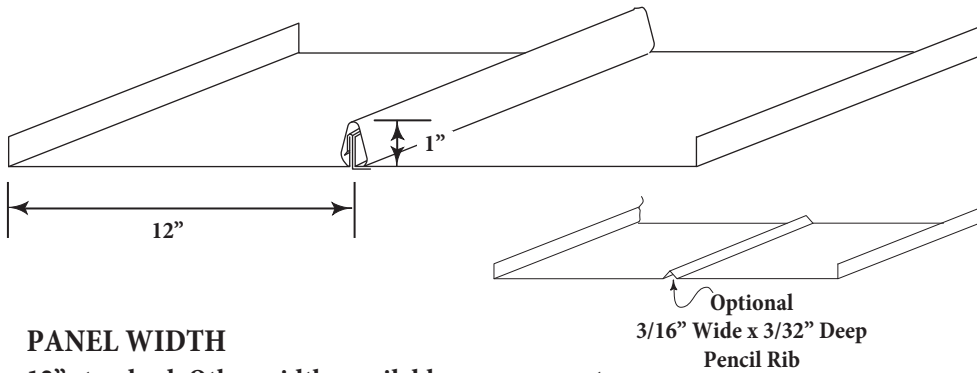
TREMLOCK® Narrow Batten

INSTALLATION MANUAL

TremLock Narrow Batten

TremLock Narrow Batten is a concealed fastener architectural batten cap roof system. The TremLock Narrow Batten panels are easily installed over decking utilizing metal clips.

TremLock Narrow Batten systems are ideally suited for decorative mansard, fascia and roofs.



PANEL WIDTH

12" standard. Other widths available upon request.

COVER WIDTH

12" standard

SUBSTRATE

24 Gauge Galvalume

PANEL LENGTH

40' Maximum

3' 9" Minimum

CLIP SPACING

2 Ft. Maximum center

BATTEN CAP HEIGHT

1"

MINIMUM SLOPE

3:12 Pitch

AIR AND WATER INFILTRATION

TremLock Narrow Batten systems have been tested in accordance with ASTM E283-91, ASTM E331-86, ASTM E1680 and ASTM E1646 procedures.

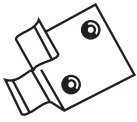
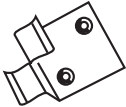
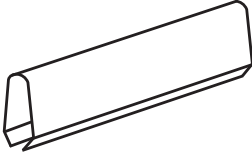
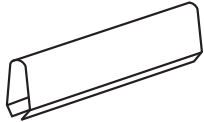
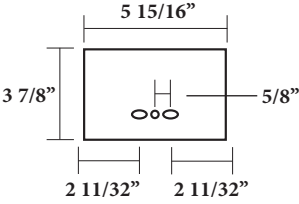



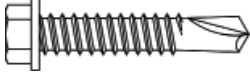
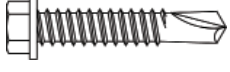
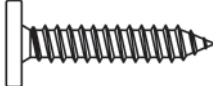

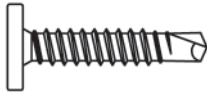
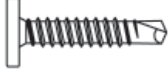
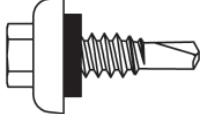
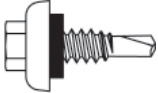
WIND UPLIFT CLASS 90

TremLock Narrow Batten system is UL-90 rated in accordance with UL construction #280 and UL construction #310.

Oil canning (pan wave) of metal panels is inherent in the product and is not cause for panel rejection.



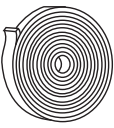
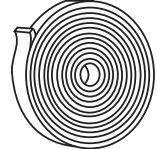






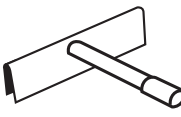
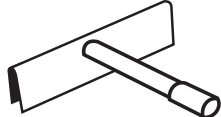
TremLock Narrow Batten

ACCESSORIES

	<p>Material: 26 Ga. Length: N/A</p>	 TremLock Narrow Batten Clip
	<p>Material: 24 Ga. Length: Varies</p>	 TremLock Narrow Batten Batten
	<p>Material: 16 Ga. Length: 5 15/16"</p>	 Bearing Plate Primed Item #: 94599 Galvanized Item #: 203541
	<p>Material: N/A Length: 1"</p>	 #9 - 15 x 1" Woodgrip W/O Washer - Plain Item #: 36115
	<p>Material: N/A Length: 1 1/4"</p>	 1/4 - 14 x 1 1/4" TEK2 W/O Washer - Plain Item #: 10969
	<p>Material: N/A Length: 1"</p>	 #10 - 12 x 1" Type A Pancake Head Woodgrip Item #: 36116
	<p>Material: N/A Length: 1"</p>	 #10 - 16 x 1" TEK 2 Pancake Head Self-Driller Item #: 36117
	<p>Material: N/A Length: 7/8"</p>	 1/4 - 14 x 7/8" LAPTEK ZAC Self-Driller (Part # Varies by Color)

TremLock Narrow Batten

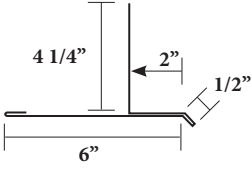
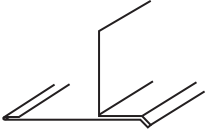
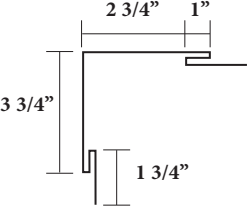
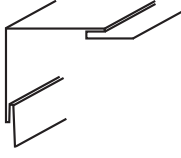
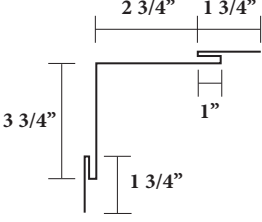
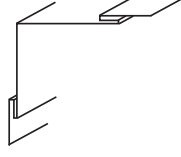
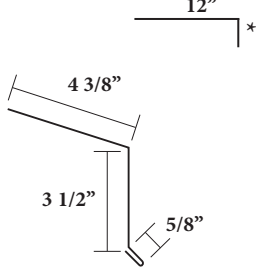
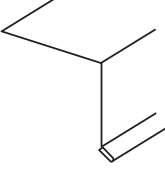
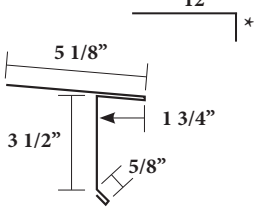
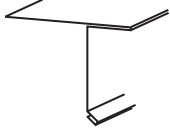
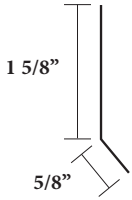
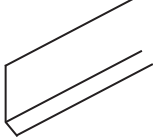
ACCESSORIES

 <p>43D PopRivets (Part # Varies by Color)</p>	<p>Material: 1/8" Diameter Stainless Steel Length: 5/16"</p>	
 <p>Roll Tape Sealant 3/32" x 1" x 45' Item #: 95335</p>	<p>Material: N/A Length: 45'</p>	
 <p>White Urethane Sealant Item #: 95320</p>	<p>Material: N/A Length: N/A</p>	
 <p>Butyl Tube Sealant Item #: 95342</p>	<p>Material: N/A Length: N/A</p>	
 <p>Touch-Up Paint Pen (Part # Varies by Color)</p>	<p>Material: N/A Length: N/A</p>	
 <p>Hemming Tool Item #: 36120</p>	<p>Material: N/A Length: N/A</p>	

Notes:

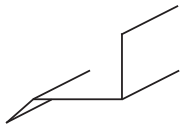
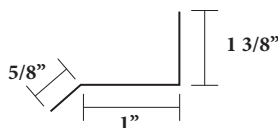
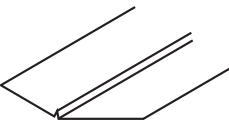
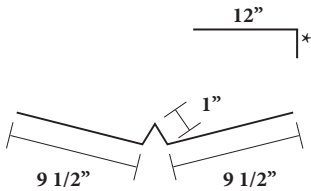

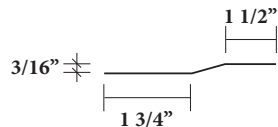
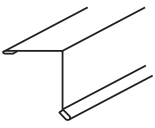
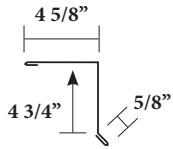
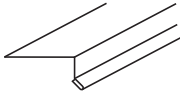
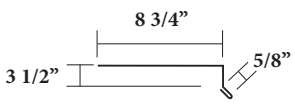
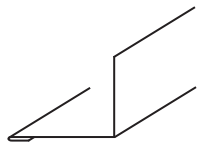
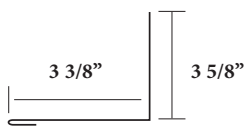
TremLock Narrow Batten

TRIM

	<p>Material: 24 Ga. Length: 10' 3" 20' 3"</p>	 <p>Soffit Base Trim</p>
	<p>Material: 24 Ga. Length: 5' 3" 10' 3"</p>	 <p>Outside Corner</p>
	<p>Material: 24 Ga. Length: 5' 3" 10' 3"</p>	 <p>Inside Corner</p>
	<p>Material: 24 Ga. Length: 10' 3" 20' 3"</p>	 <p>Eave Trim* *specify roof pitch</p>
	<p>Material: 24 Ga. Length: 10' 3" 20' 3"</p>	 <p>Eave Drip Trim* *specify roof pitch</p>
	<p>Material: 24 Ga. Length: 10'</p>	 <p>Perimeter Cleat</p>

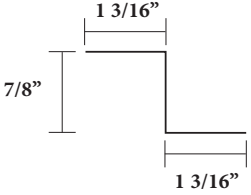
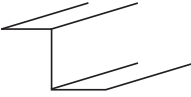
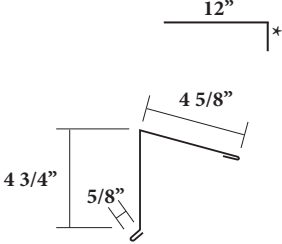
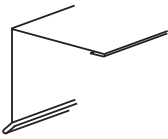
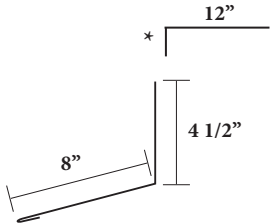
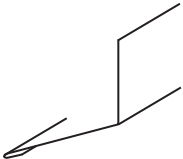
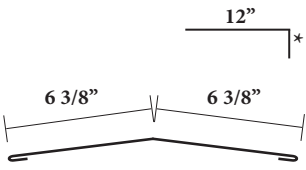

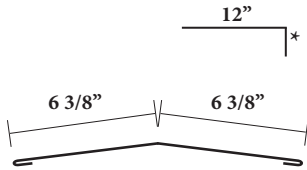
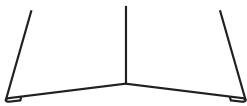
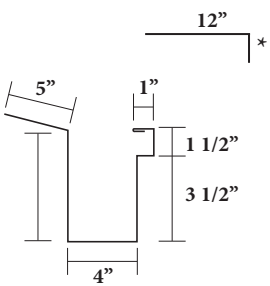
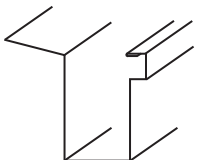
TremLock Narrow Batten

TRIM

	<p>Material: 24 Ga. Length: 10'</p>	
<p>Perimeter Zee Trim</p>		
	<p>Material: 24 Ga. Length: 10' 3" 20' 3"</p>	
<p>Valley Trim* *specify roof pitch</p>		
	<p>Material: 24 Ga. Length: 10'</p>	
<p>Offset Cleat</p>		
	<p>Material: 24 Ga. Length: 10' 3" 20' 3"</p>	
<p>Rake Trim</p>		
	<p>Material: 24 Ga. Length: 10' 3" 20' 3"</p>	
<p>Rake Trim Alternative</p>		
	<p>Material: 24 Ga. Length: 10' 3"</p>	
<p>Rake Tie-In Trim</p>		

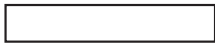
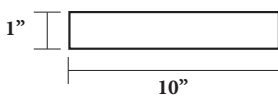
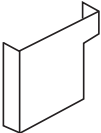
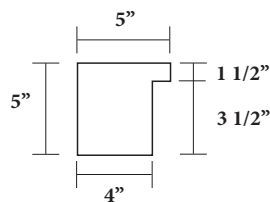

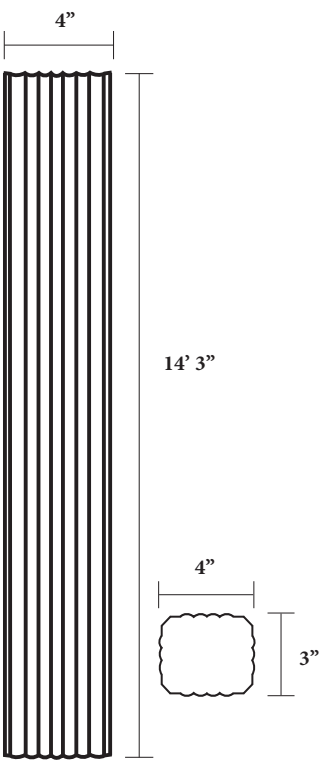
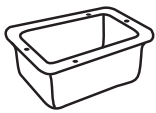
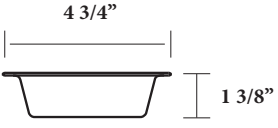
TremLock Narrow Batten

TRIM

	<p>Material: 24 Ga. Length: 10'</p>	 <p>Zee Closure</p>
	<p>Material: 24 Ga. Length: 10' 3" 20' 3"</p>	 <p>Hi-Side Trim* *specify roof pitch</p>
	<p>Material: 24 Ga. Length: 10' 3"</p>	 <p>Highside Tie-In Trim* *specify roof pitch</p>
	<p>Material: 24 Ga. Length: 10' 3" 20' 3"</p>	 <p>Hip Flashing* *specify roof pitch</p>
	<p>Material: 24 Ga. Length: 10' 3" 20' 3"</p>	 <p>Ridge Flashing* *specify roof pitch</p>
	<p>Material: 24 Ga. Length: 10' 3" 20' 3"</p>	 <p>Gutter Trim* *specify roof pitch (Snow guards should be used to prevent damage from sliding snow.)</p>

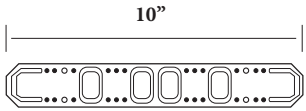

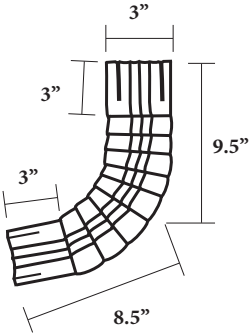
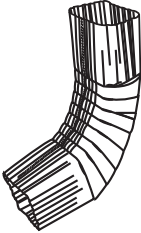
TremLock Narrow Batten

TRIM

	<p>Material: 24 Ga. Length: 10"</p>	
<p>Gutter Strap</p>		
	<p>Material: 24 Ga. Length: N/A</p>	
<p>Gutter End Cap</p>		
	<p>Material: 26 Ga. Length: 14' 3"</p>	
<p>3" x 4" Downspout</p>		
	<p>Material: 26 Ga. Length: N/A</p>	
<p>Aluminum Downspout Outlet Box</p>		

TremLock Narrow Batten

TRIM

 <p>10"</p>	<p>Material: 26 Ga. Length: N/A</p>	 <p>Downspout Strap</p>
 <p>3" 3" 3" 9.5" 8.5"</p>	<p>Material: 26 Ga. Length: N/A</p>	 <p>3" X 4" Downspout Elbow A-Style</p>

Notes:

NOTES

The details shown on the following pages are suggestions or guidelines for installing the TremLock Narrow Batten System. The installation details shown here are proven methods of construction, but they are not intended to cover all building requirements, designs or codes. The details may require changes or revisions due to individual project conditions.

Installation procedures shall be in accordance with the manufacturer's printed instructions, details or approved shop drawings. Installers should thoroughly familiarize themselves with all instructions prior to beginning the installation process.

The designer/installer is responsible to ensure the following:

- That the details here meet the particular building requirements.
- Awareness of and allowance for expansion / contraction of the roof panels.
- That adequate water tightness is maintained.
- That a proper uniform substructure is used to avoid panel distortion and that the substructure meets necessary code requirements.
- That all supporting members have been examined and are straight, level, and plumb.

Tremco Roofing and Building Maintenance can provide all flashings and accessories shown in the installation drawings unless noted otherwise. Panels, flashing and trim shall be installed true and in proper alignment with any exposed fasteners equally spaced for the best appearance. Sealant shall be field applied on a clean, dry surface.

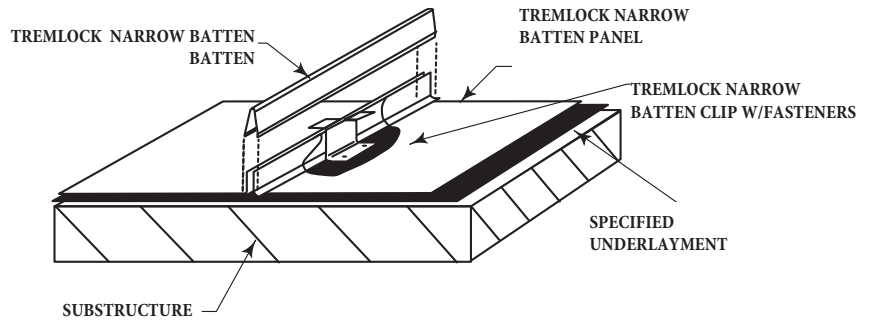
Some field cutting and fitting of panels and flashings is to be expected and to be considered a part of normal installation work. Workmanship shall be of the best industry standards with installation performed by experienced metal craftsmen.

Oil canning of metal panels is inherent in the product and is not a cause for rejection. Striated panels are recommended as they reduce the appearance of oil canning.

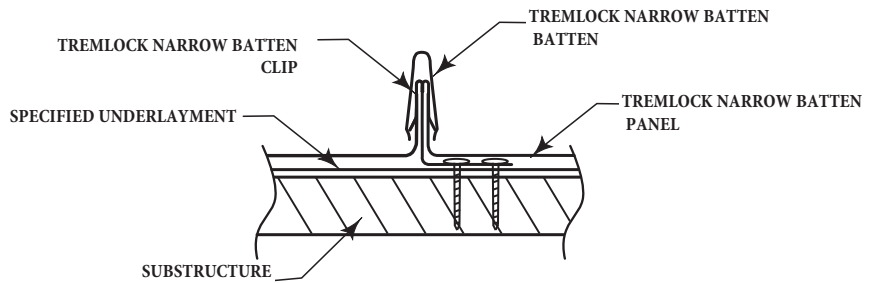
Contents of this manual are subject to change without notice. To confirm this book is the most current copy, please visit Tremco Roofing and Building Maintenance's website at www.Tremcoroofing.com.

TremLock Narrow Batten

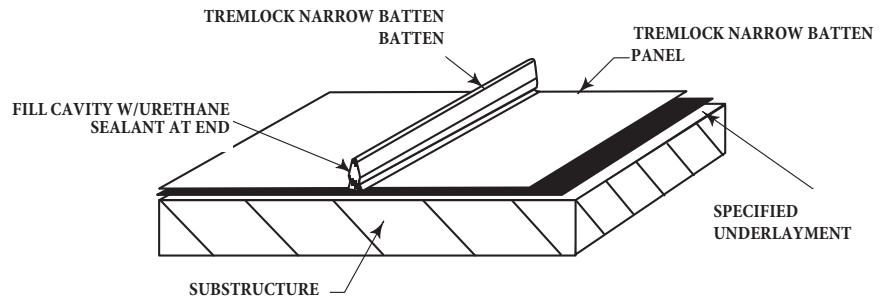
BATTEN



BATTEN INSTALLATION DETAIL



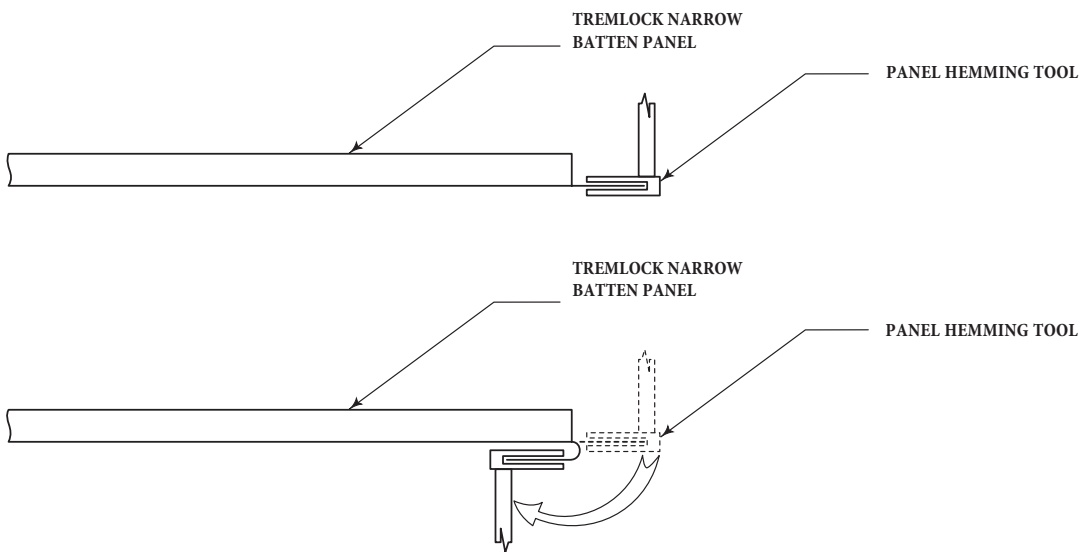
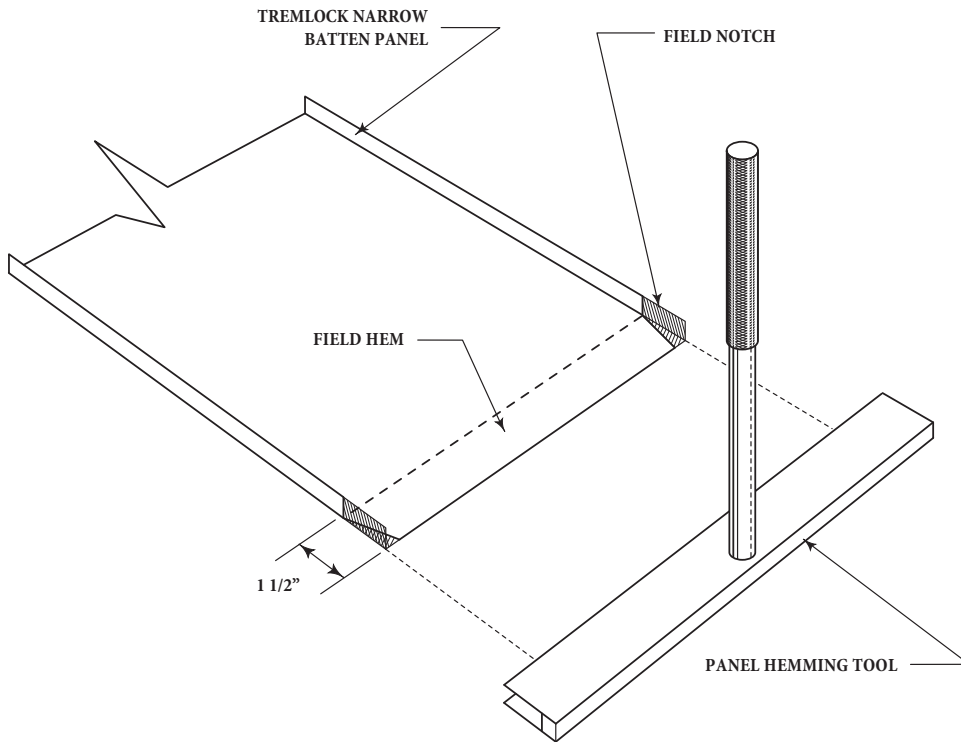
INSTALLED PANEL CROSS SECTION



BATTEN END DETAIL

TremLock Narrow Batten

PANEL HEMMING TOOL



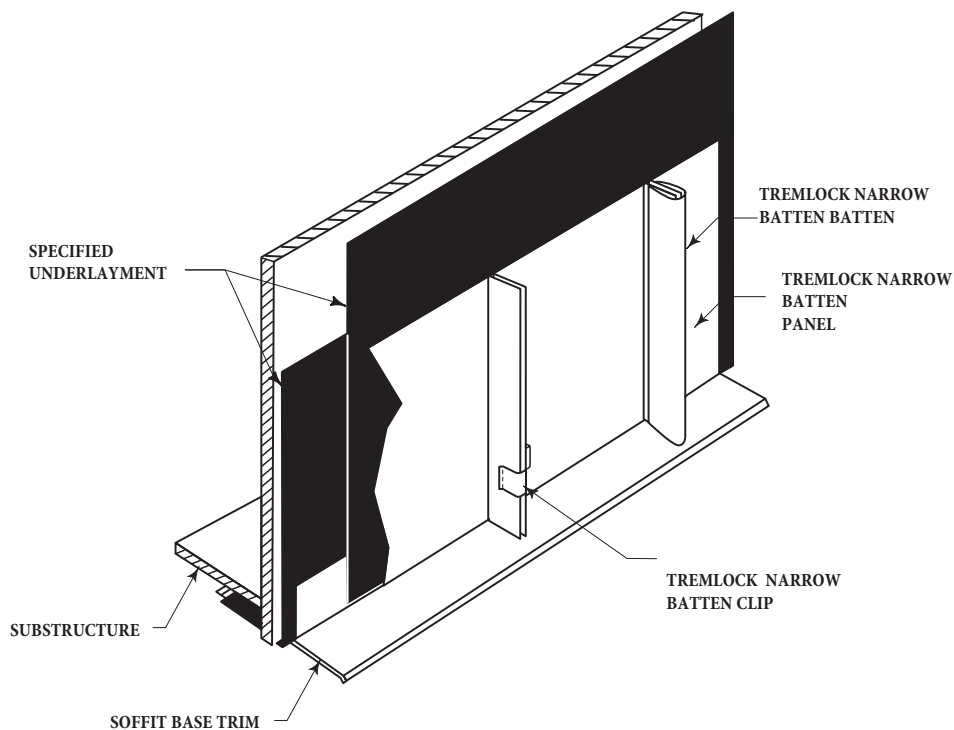
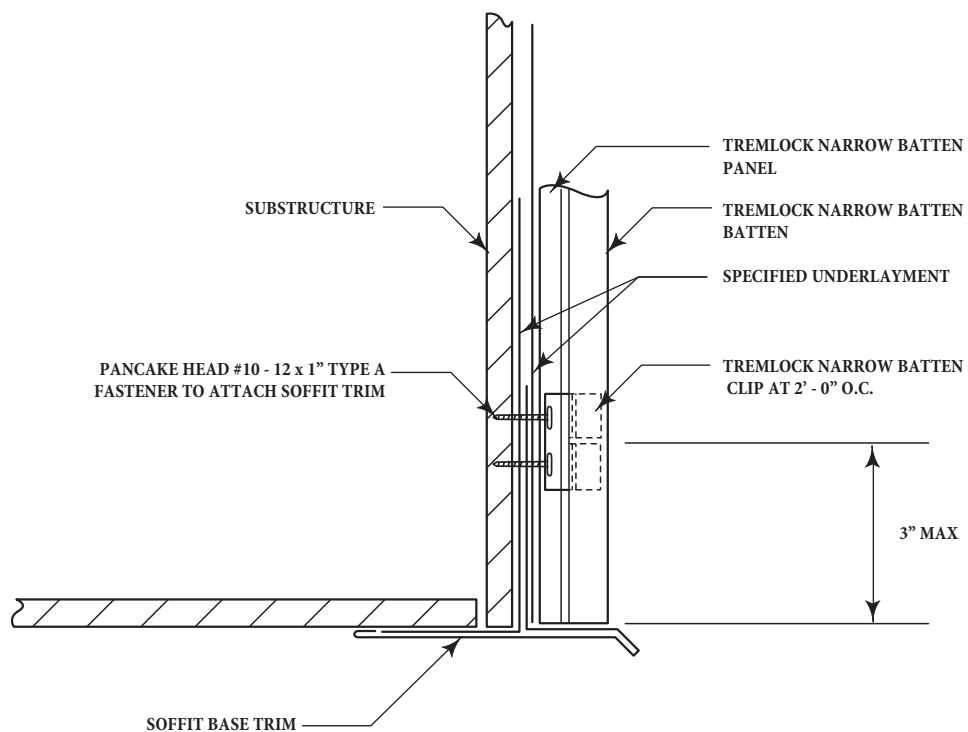
NOTES:

1. Cut through male and female legs/ribs 1 1/2" up from panel end as shown.
2. Then cut diagonally with metal shears as shown.
3. Place hemming tool over panel tab.
4. Bend down and under to 180° as shown.

When the eave drip trim condition is used, the panel lengths need to be 3/4" longer than panels used for offset cleat condition.

TremLock Narrow Batten

WALL SOFFIT BASE

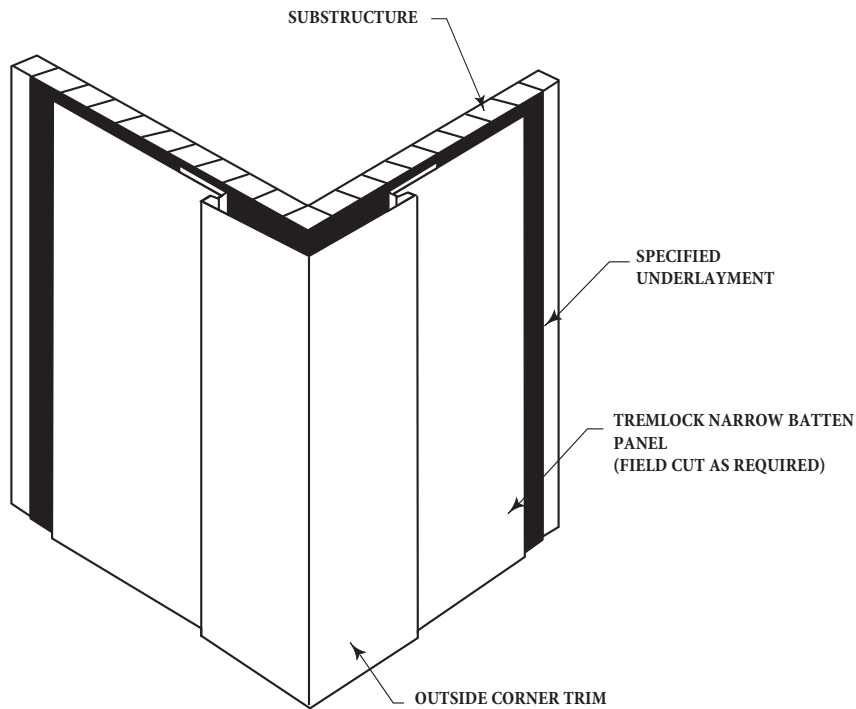
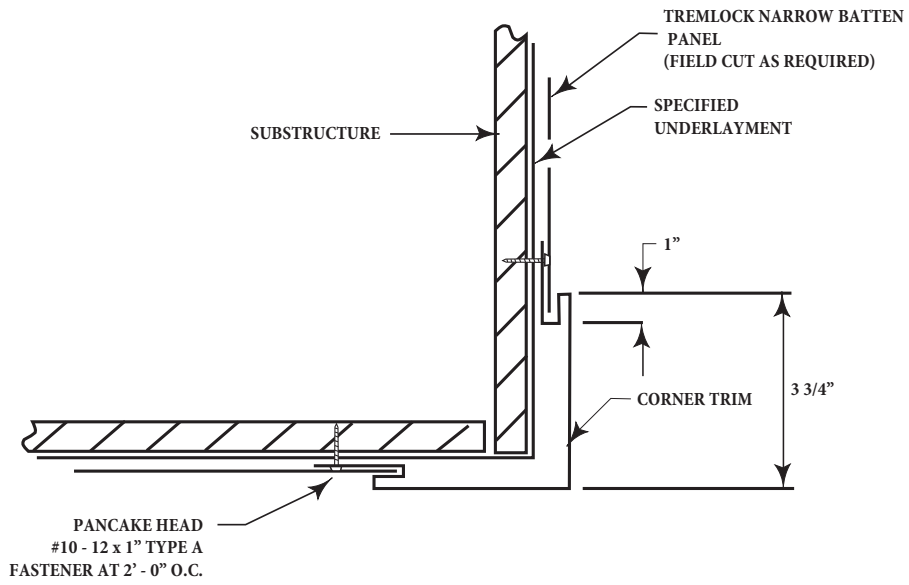


NOTES:

1. Soffit base trim should be installed with the clip fasteners.
2. If necessary to cut wall panels, cut the end that will be used on the top.
3. Fasteners for attachment to soffit are not by Tremco Roofing and Building Maintenance.

TremLock Narrow Batten

OUTSIDE CORNER

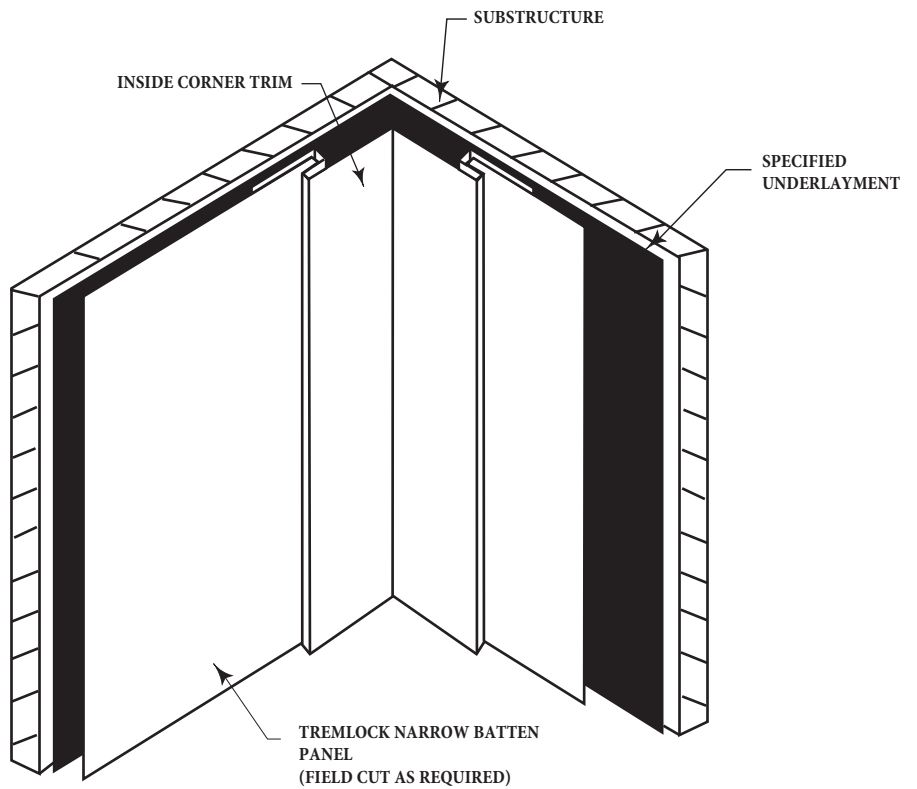
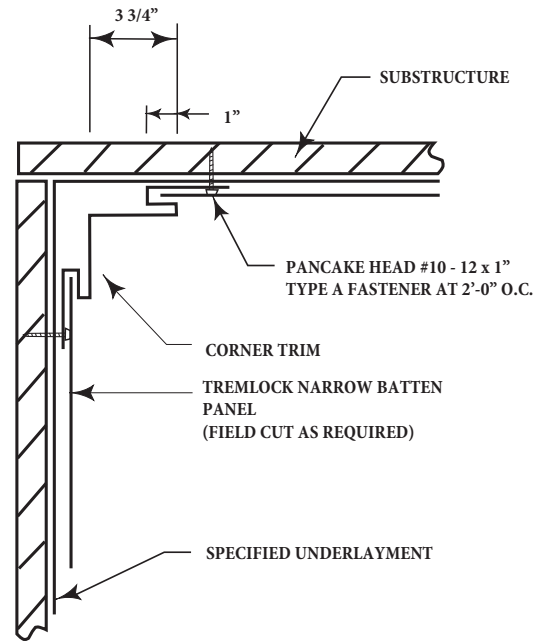


NOTES:

1. Attach corner trim with fasteners on 2'-0" O.C.
2. Field cut panels as shown to fit into corner trim.

TremLock Narrow Batten

INSIDE CORNER

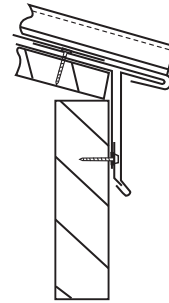
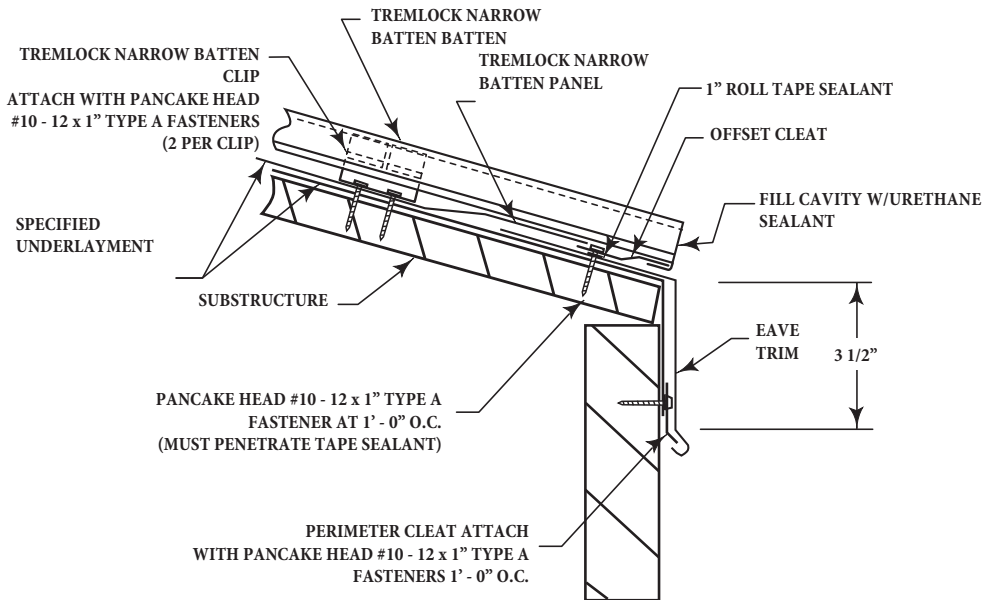


NOTES:

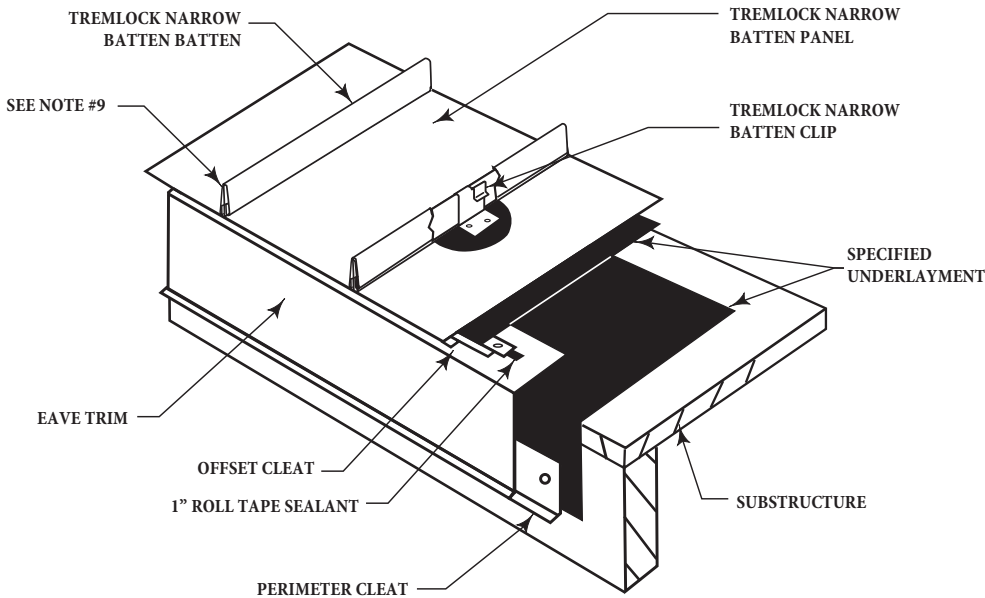
1. Attach corner trim with fasteners on 2'-0" centers.
2. Field cut panels, as shown, to fit into corner trim.

TremLock Narrow Batten

EAVE WITH OFFSET CLEAT



EAVE DRIP TRIM

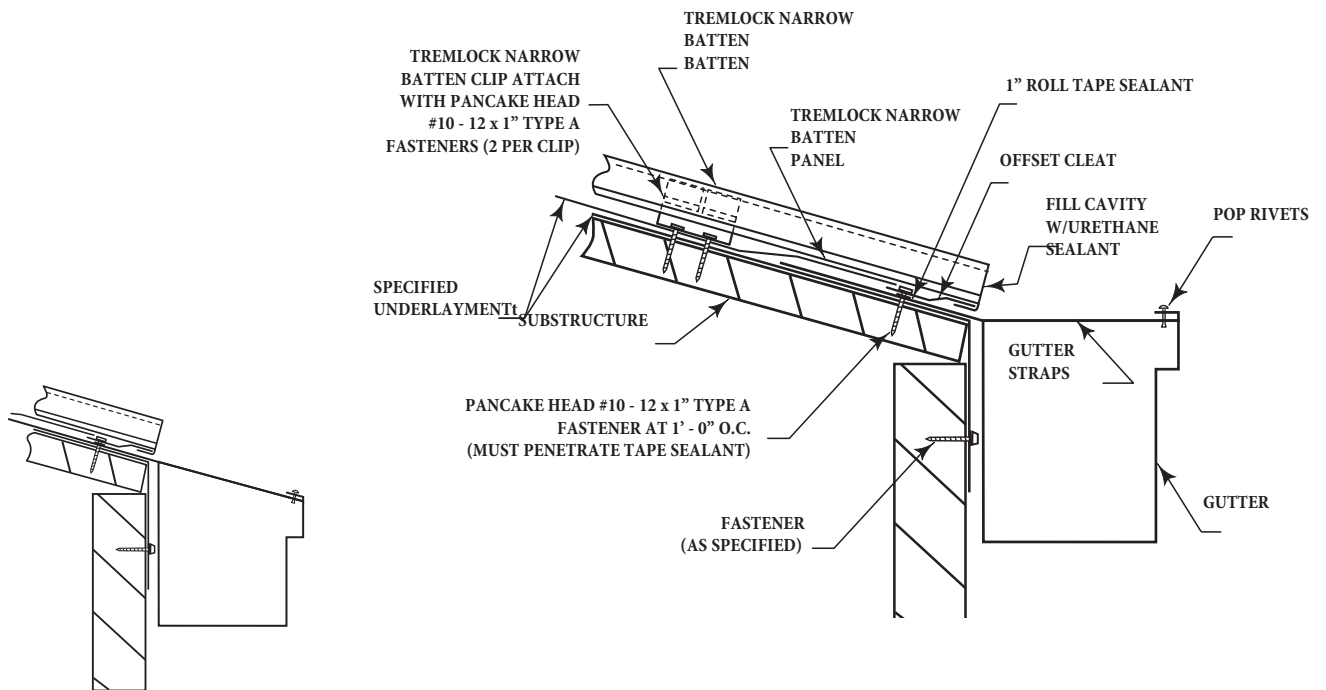


NOTES:

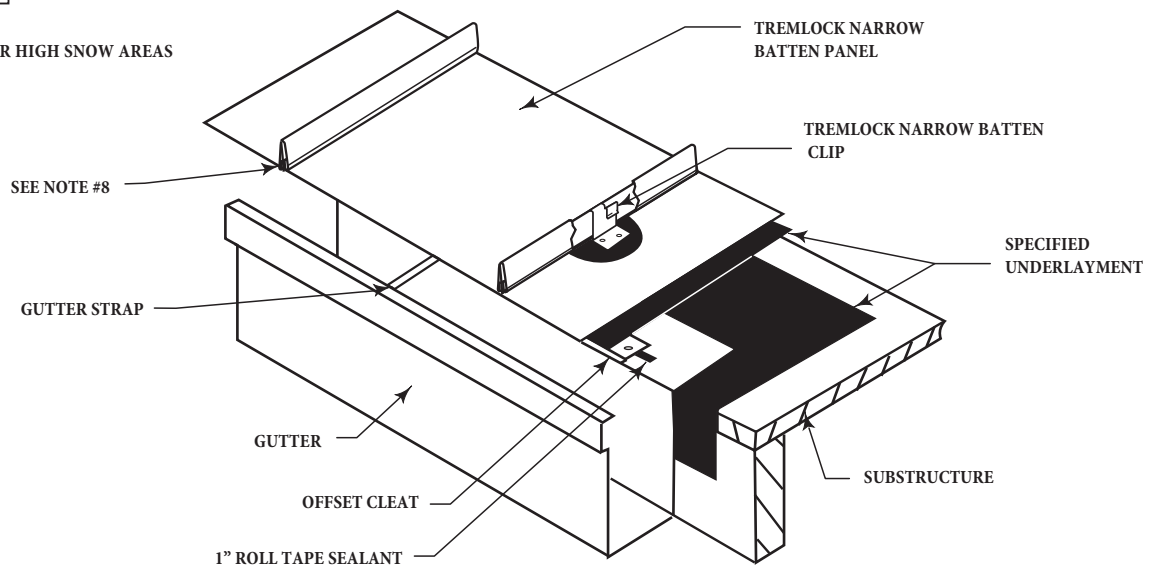
1. Attach perimeter cleat as shown.
2. Secure eave trim to perimeter cleat.
3. Apply a continuous run of 1" roll tape sealant on eave trim.
4. Locate offset cleat over tape sealant and fasten to substructure.
Pancake head fasteners must penetrate the sealant.
5. Field cut legs of the panel back 1 1/2".
6. Use panel hemming tool to form open hem with pan of panel.
7. Engage open hem to offset cleat while allowing clearance for thermal movement.
8. Locate a clip approximately 6" up from transition.
9. See batten detail for closing off eave.

TremLock Narrow Batten

EAVE WITH STANDARD GUTTER AND OFFSET CLEAT



SUGGESTED FOR HIGH SNOW AREAS

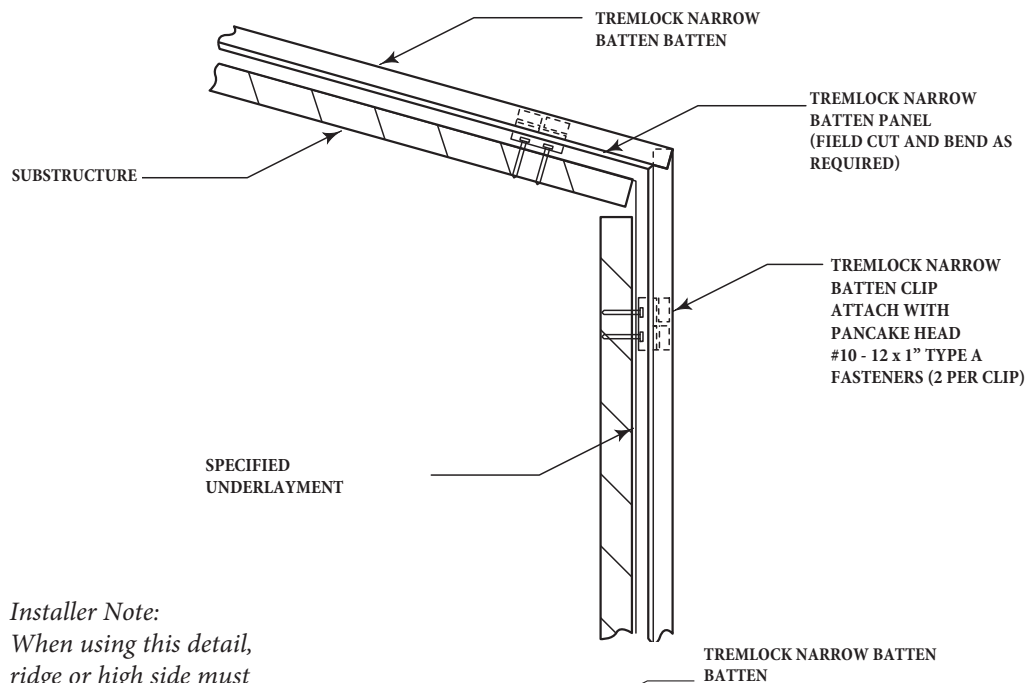


NOTES:

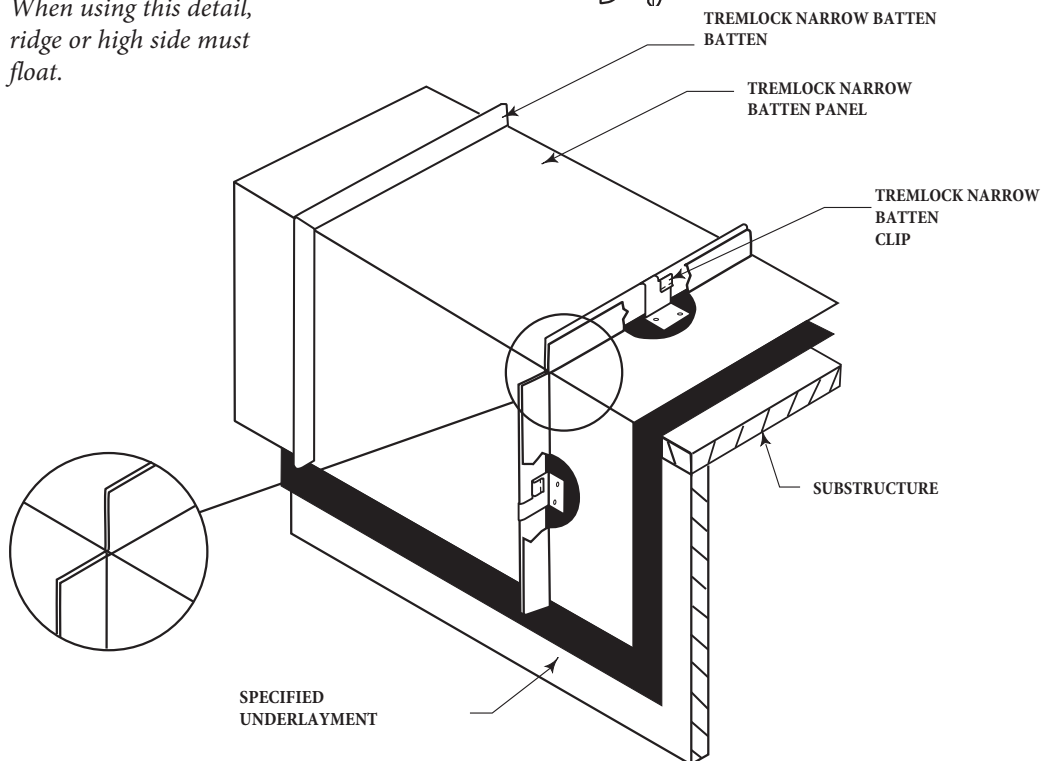
1. Field notch 1 1/2" off leg of panel using panel hemming tool to form open hem with pan of panel.
2. Locate gutter and place a continuous run of 1" roll tape sealant on gutter leg.
3. Locate a gutter strap at 2'-0" O.C. Place tape sealant on strap.
4. Locate offset cleat trim and fasten through cleat, strap, sealant, gutter and into the substructure.
5. Install panel while allowing clearance for thermal movement. Batten should extend to the end of the panel.
6. Field bend gutter strap and attach to gutter with two (2) pop rivets.
7. In areas of heavy snow or ice accumulation, see alternate gutter detail.
8. See batten detail for closing the eave.
9. Fasteners for attachment to wall substructure as specified.
10. Snow guards should be used to prevent damage to gutter from sliding snow.

TremLock Narrow Batten

EAVE TO WALL TRANSITION



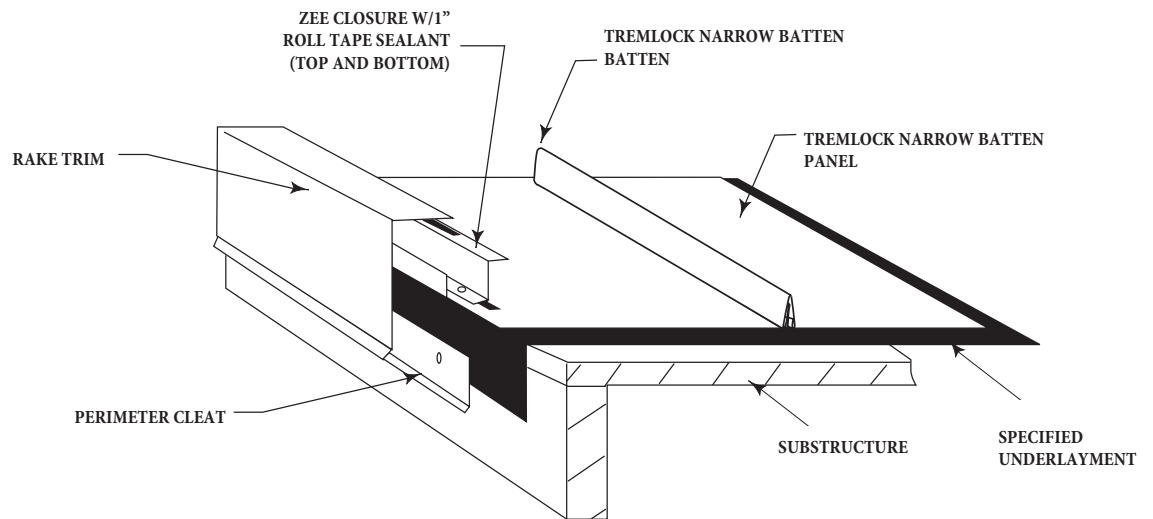
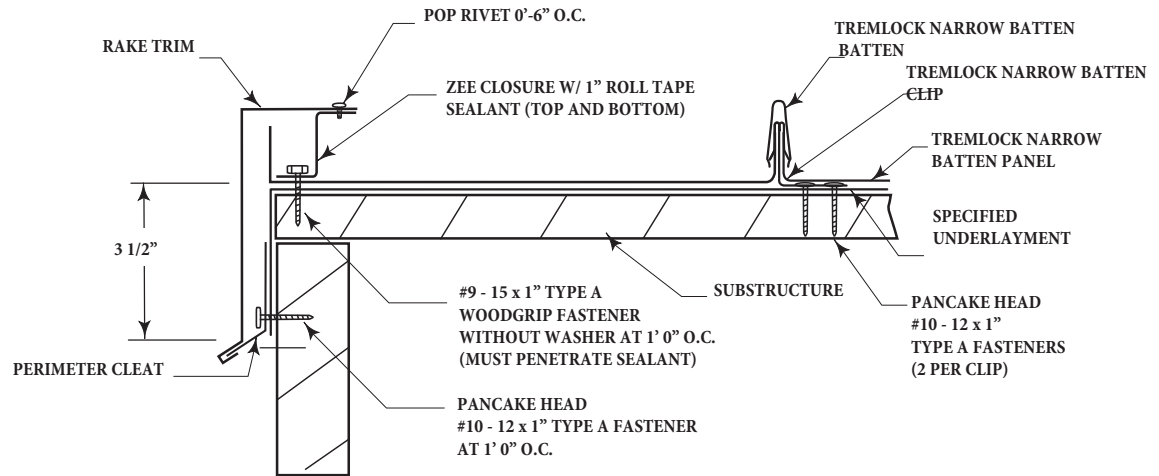
*Installer Note:
When using this detail,
ridge or high side must
float.*



3. Locate a clip approximately 6" down from transition and attach panel.
4. Apply tube sealant at the panel transition before installing batten.
5. Add 2" to batten length. Field notch and field bend to fit panel. Apply tube sealant and pop rivet batten if required.
6. Snow guards should be used to prevent damage to this detail from sliding snow.

TremLock Narrow Batten

RAKE STARTING ON MODULE W/O WALL PANEL

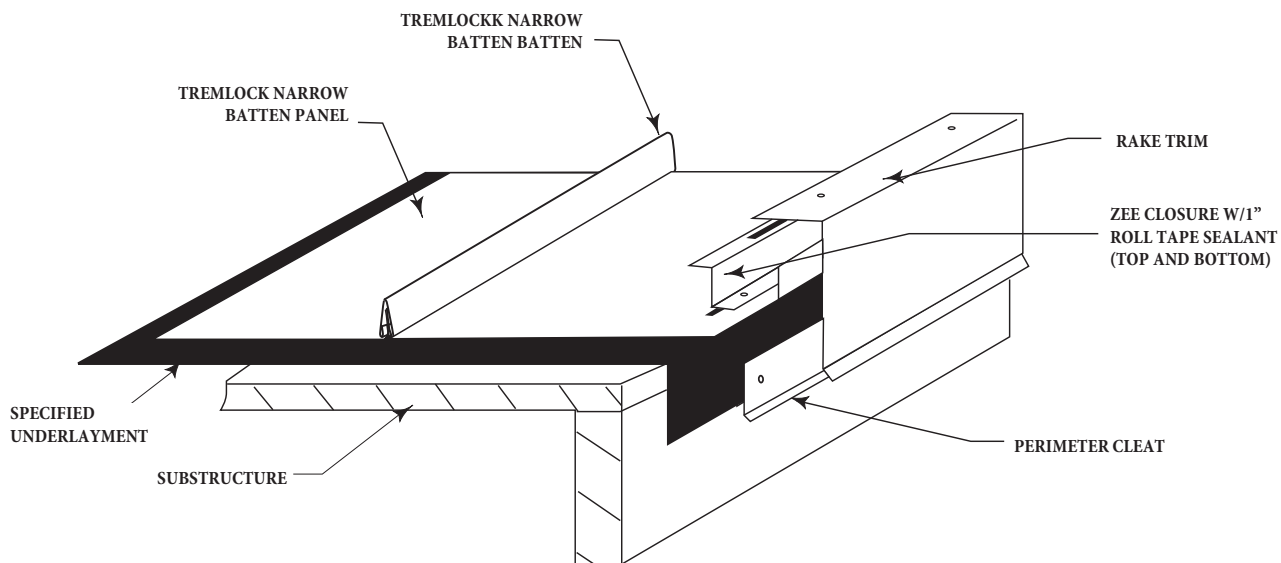
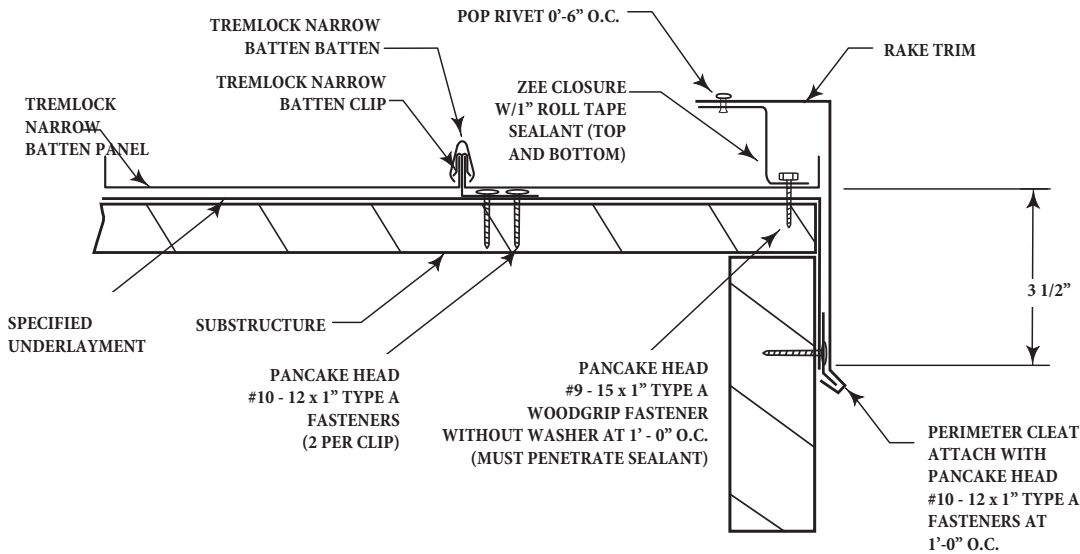


NOTES:

1. Apply a continuous run of 1" roll tape sealant under zee closure before fastening.
2. Attach zee closure with fasteners on 1'-0" centers.
3. Apply a continuous run of 1" roll tape sealant over zee closure before fastening rake trim.
4. Fasten perimeter cleat per dimension shown (following roof slope) and then attach rake trim.

TremLock Narrow Batten

RAKE TERMINATING OFF MODULE W/O WALL PANEL

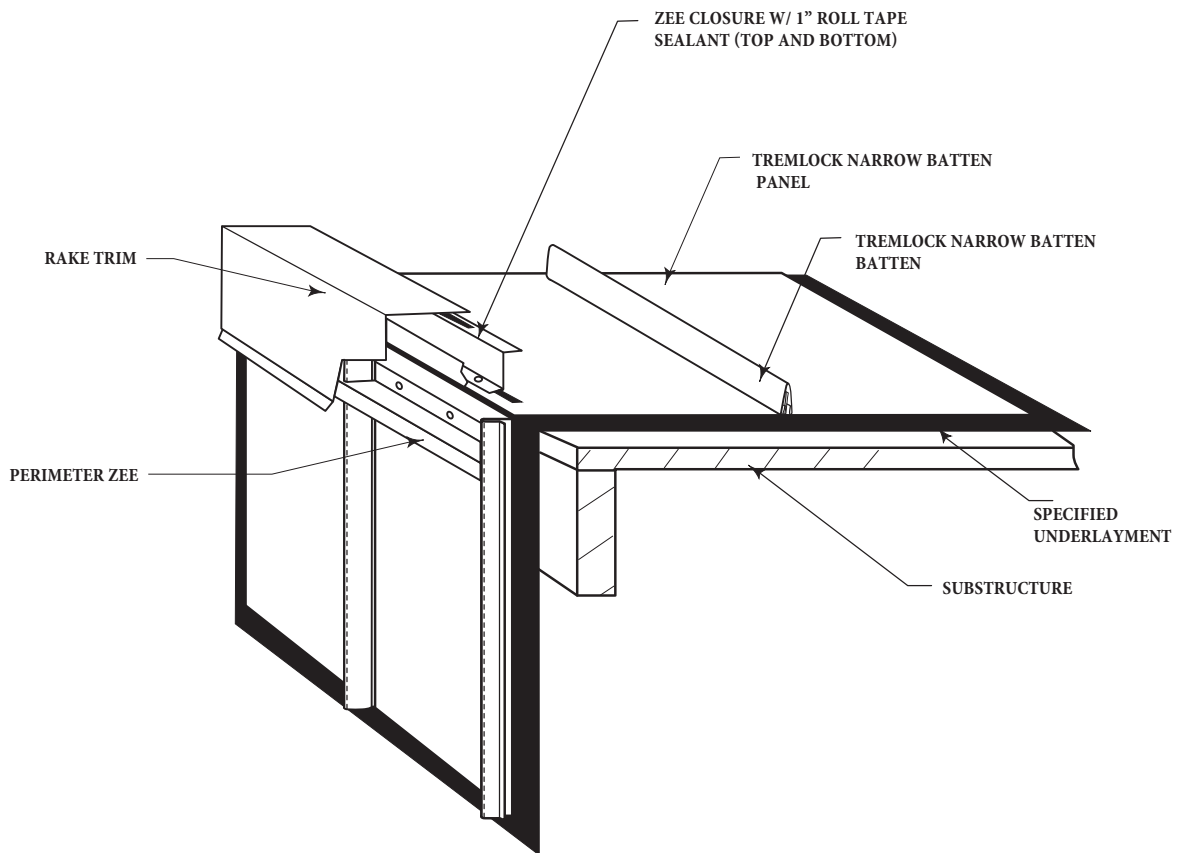
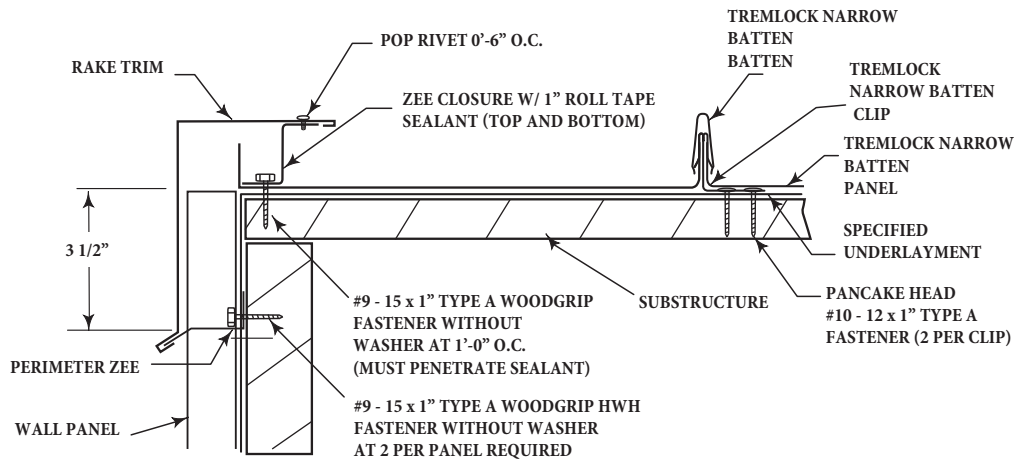


NOTES:

1. Field cut TremLock Narrow Batten panel as required.
2. Apply a continuous run of 1" roll tape sealant under zee closure before fastening.
3. Attach zee closure with fasteners on 1'-0" centers.
4. Apply a continuous run of 1" roll tape sealant over zee closure before fastening rake trim.
5. Fasten perimeter cleat per dimension shown following roof slope, and then attach rake trim.

TremLock Narrow Batten

RAKE STARTING ON MODULE W/WALL PANEL

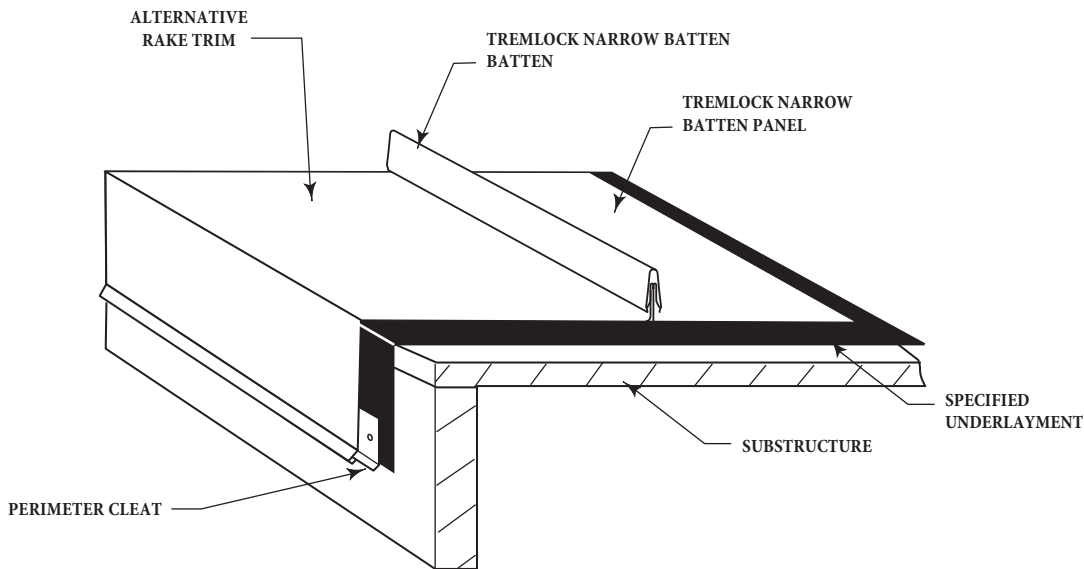
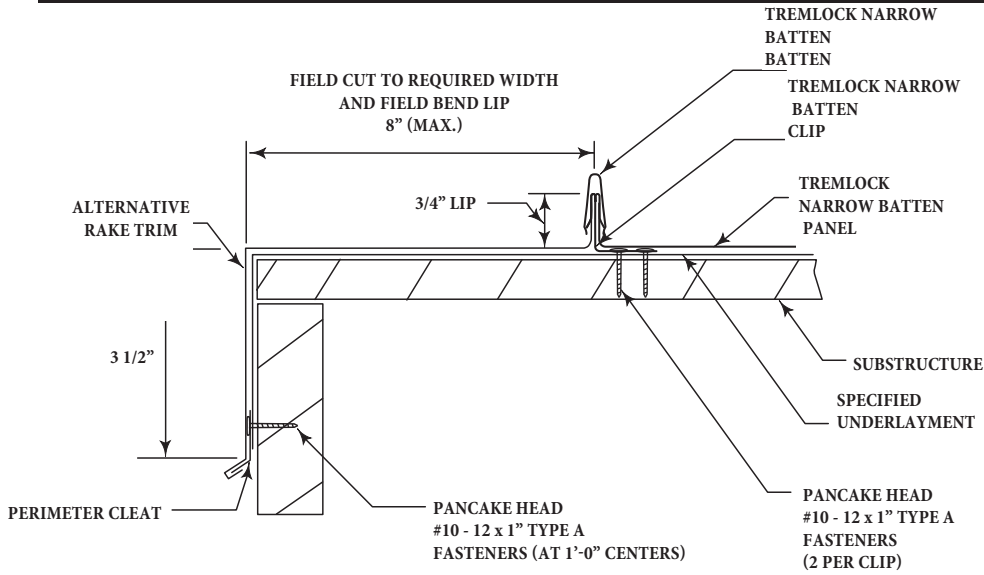


NOTES:

1. Start TremLock Narrow Batten panel on the wood or steel-line as shown.
2. Apply a continuous run of 1" roll tape sealant under zee closure before fastening.
3. Attach zee closure with fasteners on 1'-0" centers.
4. Apply a continuous run of 1" roll tape sealant over zee closure before fastening rake trim.
5. Fasten perimeter zee per dimension shown (following roof slope) and then attach rake trim.

TremLock Narrow Batten

START RAKE

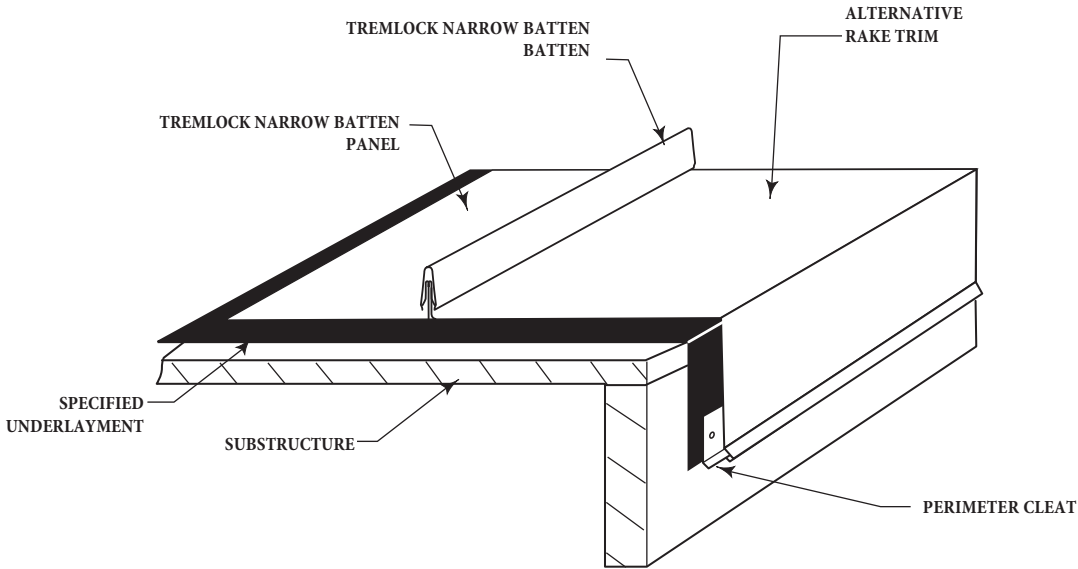
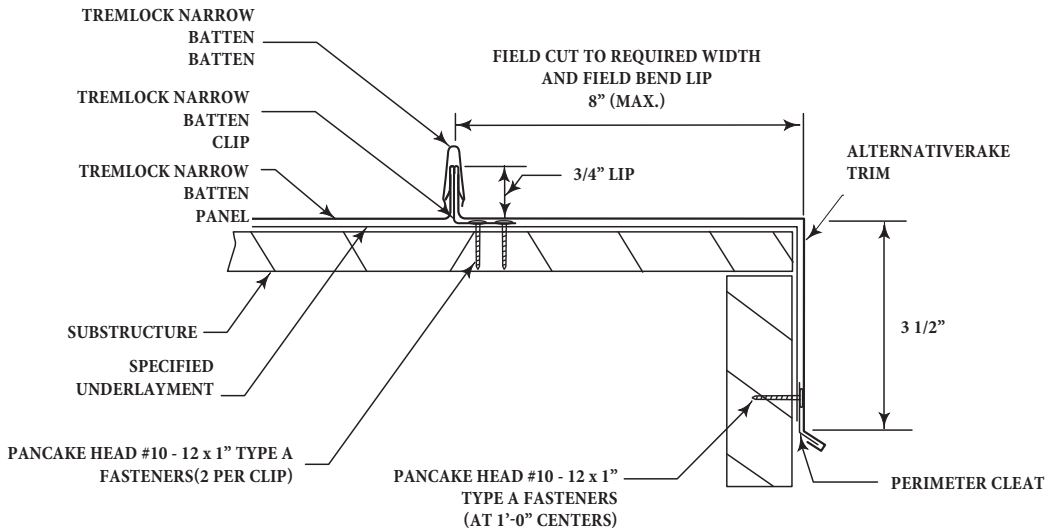


NOTES:

1. Fasten perimeter cleat per dimension shown, following roof slope.
2. Field cut rake trim to required width (8" max.).
3. Field bend 3/4" high lip on rake trim.
4. Install TremLock Narrow Batten clips, at 2'-0" (max), O.C.

TremLock Narrow Batten

FINISH RAKE

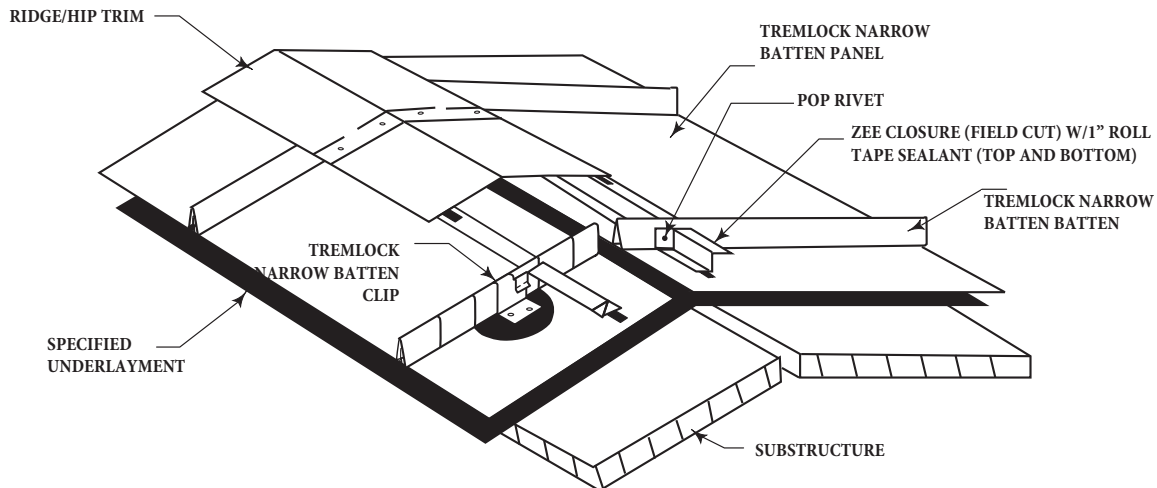
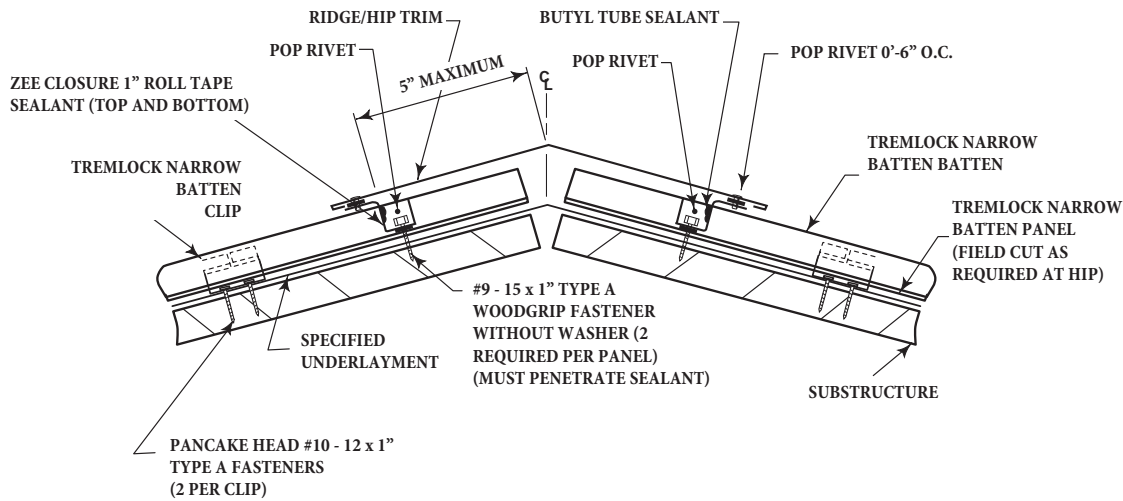


NOTES:

1. Fasten perimeter cleat per dimension shown, following roof slope.
2. Field cut rake trim to required width (8" max.).
3. Field bend 3/4" high lip on rake trim.

TremLock Narrow Batten

RIDGE/HIP

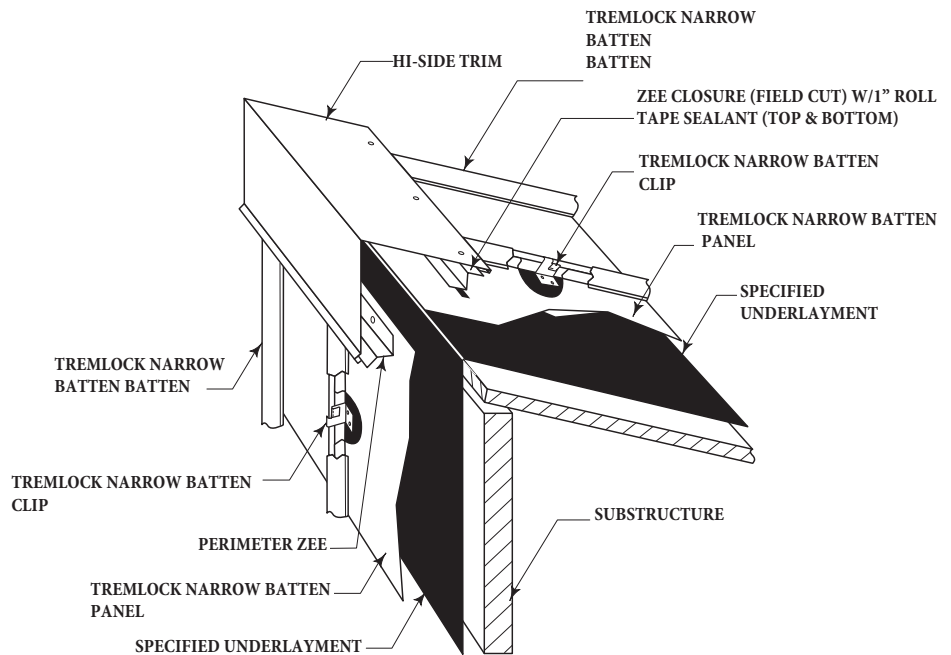
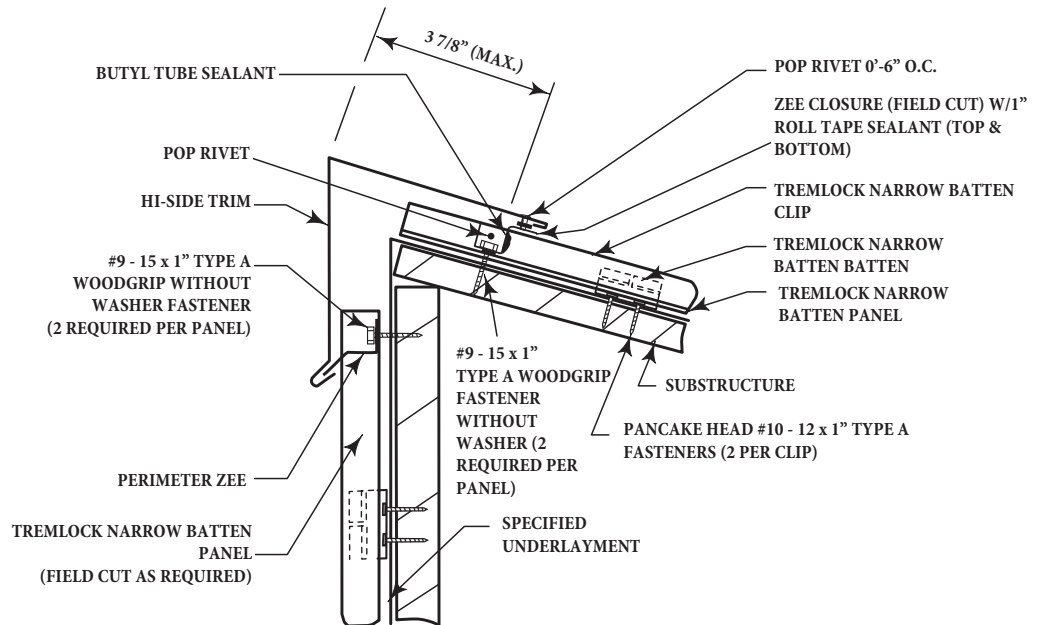


NOTES:

1. Install panels with a clip approximately 1'-0" downhill on each side of the ridge or hip.
2. Install batten to edge of panel.
3. Apply a run of 1" roll tape sealant between panel legs about 5" maximum down from centerline of ridge.
4. Field cut and attach zee closure with two (2) fasteners through closure, sealant, panel and into substructure. Pop rivet to batten as shown.
5. Apply tube sealant to zee closure and batten connection.
6. Apply a continuous run of 1" roll tape sealant to top of zee closure.
7. Attach ridge/hip trim to zee closure with a pop rivet on 6" centers.
8. Lap ridge/hip trim with 1" roll tape sealant and pop rivets. Lap away from the prevailing wind direction.

TremLock Narrow Batten

HI-SIDE CONDITION WITH WALL PANEL

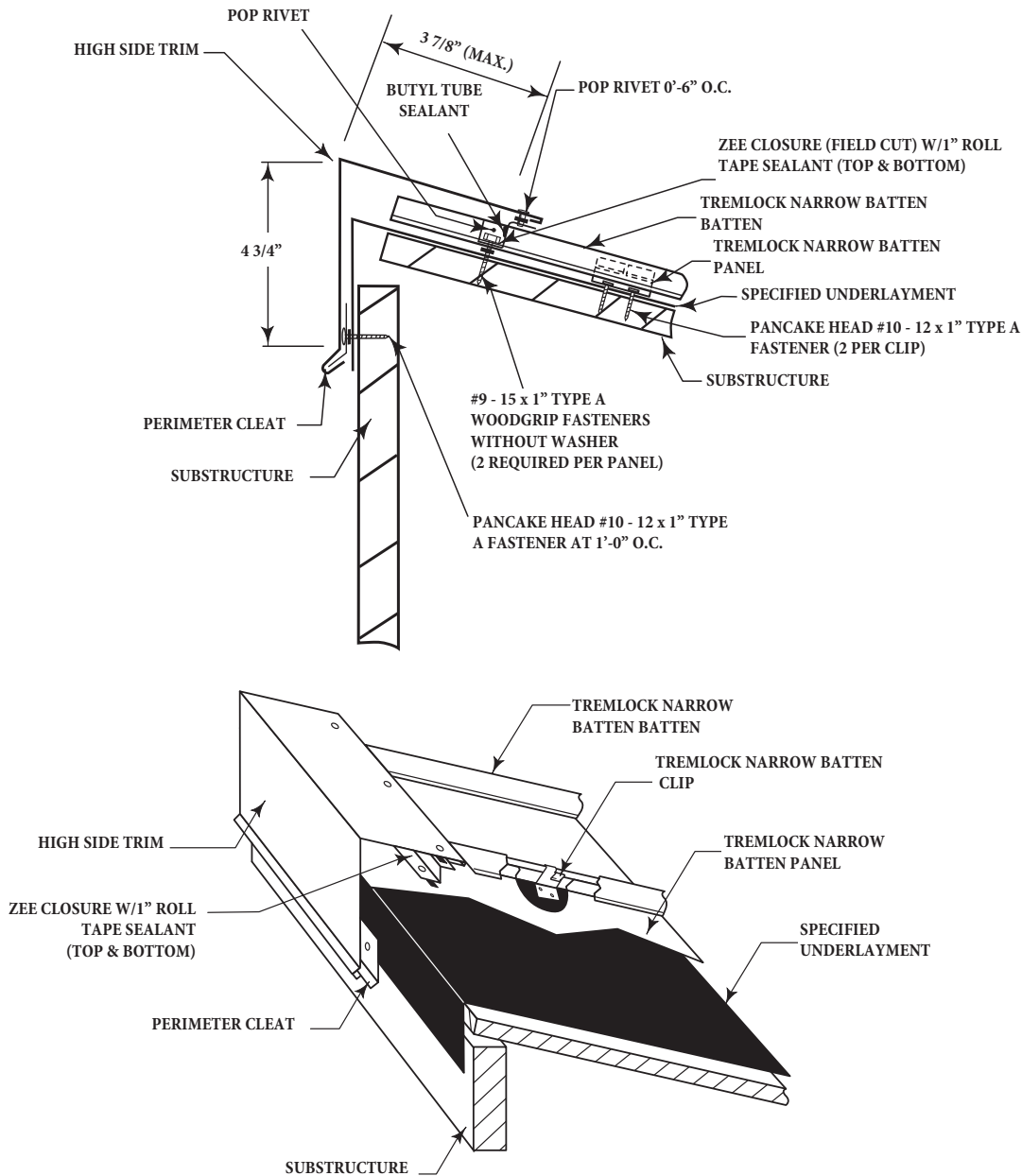


NOTES:

1. Install panels with a clip approximately 1'-0" downhill.
2. Install batten to edge of panel.
3. Apply a run of 1" tape sealant between panel legs about 3 7/8" maximum downhill.
4. Field cut and attach zee closure with two (2) fasteners per panel. Pop rivet to batten as shown
5. Apply tube sealant to zee closure and batten connection.
6. Apply a continuous run of 1" roll tape to top of ZEE closure.
7. Attach perimeter zee as shown.
8. Slide high side trim over perimeter zee before attaching to ZEE closure.
9. Lap high side trim with 1" roll tape and pop rivets.

TremLock Narrow Batten

HI-SIDE CONDITION WITHOUT WALL PANEL

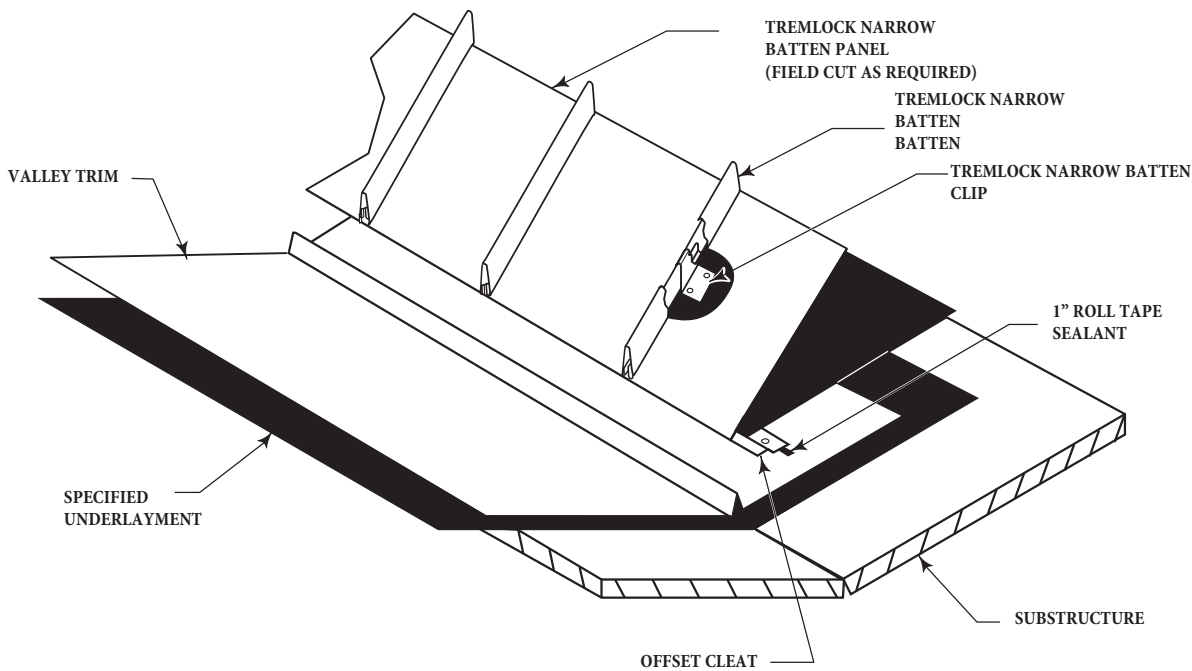
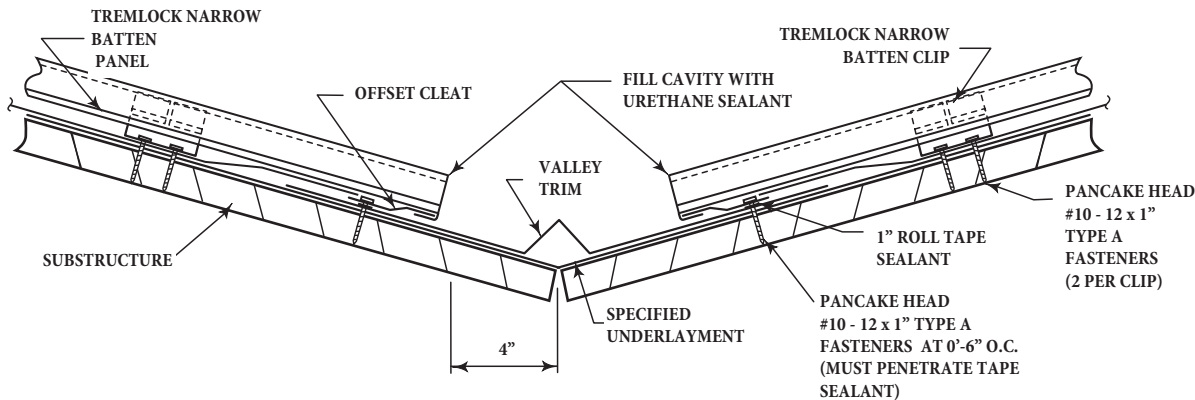


NOTES:

1. Install panels with a clip approximately 1'-0" downhill.
2. Install batten to edge of panel.
3. Apply a run of 1" tape sealant between panel legs about 3 7/8" maximum downhill.
4. Field cut and attach zee closure with two (2) fasteners per panel. Pop rivet to batten as shown.
5. Apply tube sealant to zee closure and batten connection.
6. Apply a continuous run of 1" roll tape to top of ZEE closure.
7. Attach perimeter cleat as shown.
8. Slide high side trim over perimeter cleat before attaching to ZEE closure.
9. Lap high side trim with 1" roll tape and pop rivets.

TremLock Narrow Batten

VALLEY

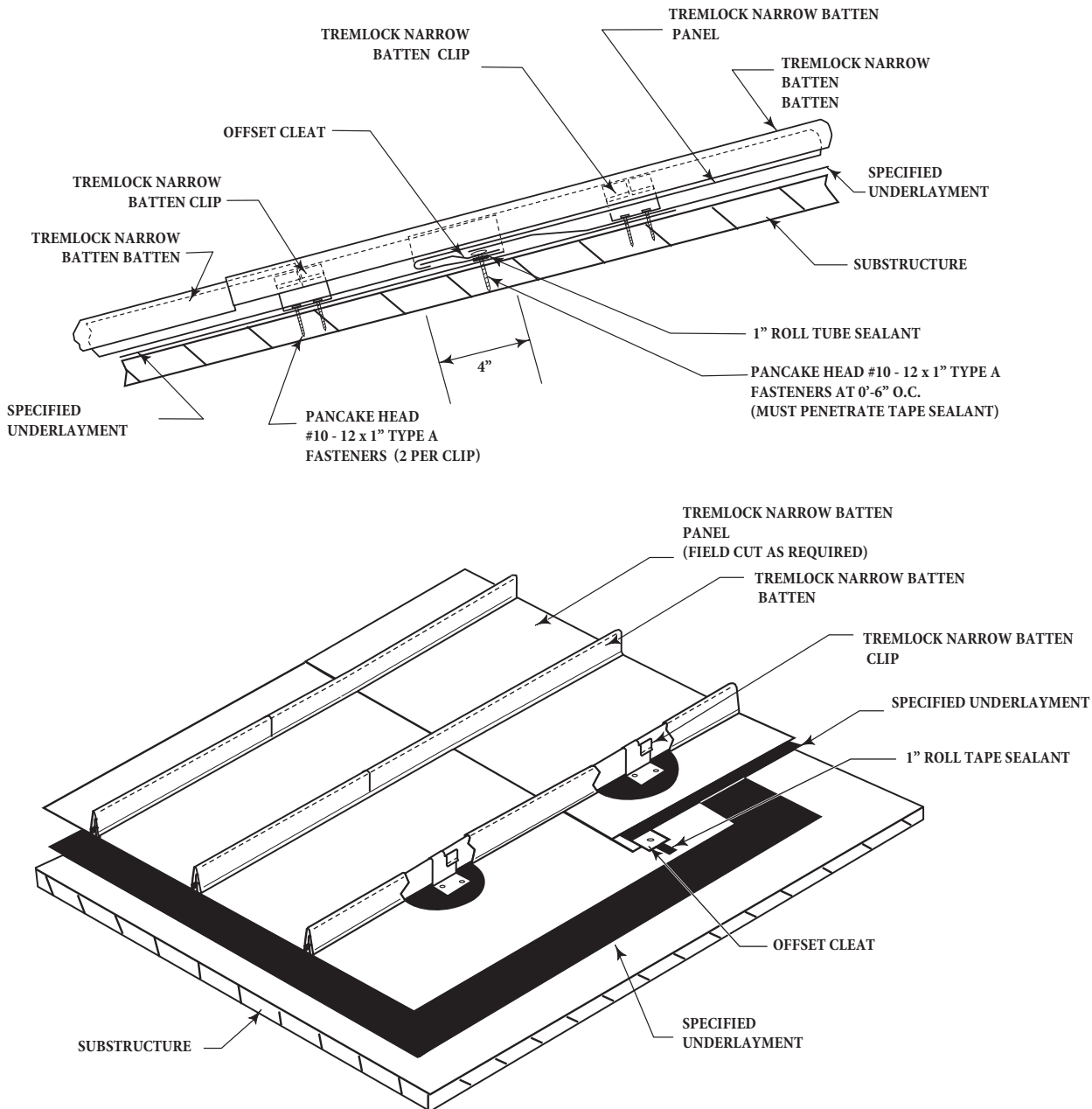


NOTES:

1. Locate valley trim over substructure.
2. Apply a continuous run of 1" roll tape sealant over valley trim and under offset cleat.
3. Locate offset cleat approximately 4" from center of valley trim and fasten through offset cleat, sealant, valley trim and into substructure.
4. Field cut legs of the panel back 1 1/2".
5. Use panel hemming tool to form open hem with pan of panel.
6. Engage open hem to offset cleat, allow clearance for thermal movement.
7. Locate a clip 6" from offset cleat.

TremLock Narrow Batten

PANEL END LAP

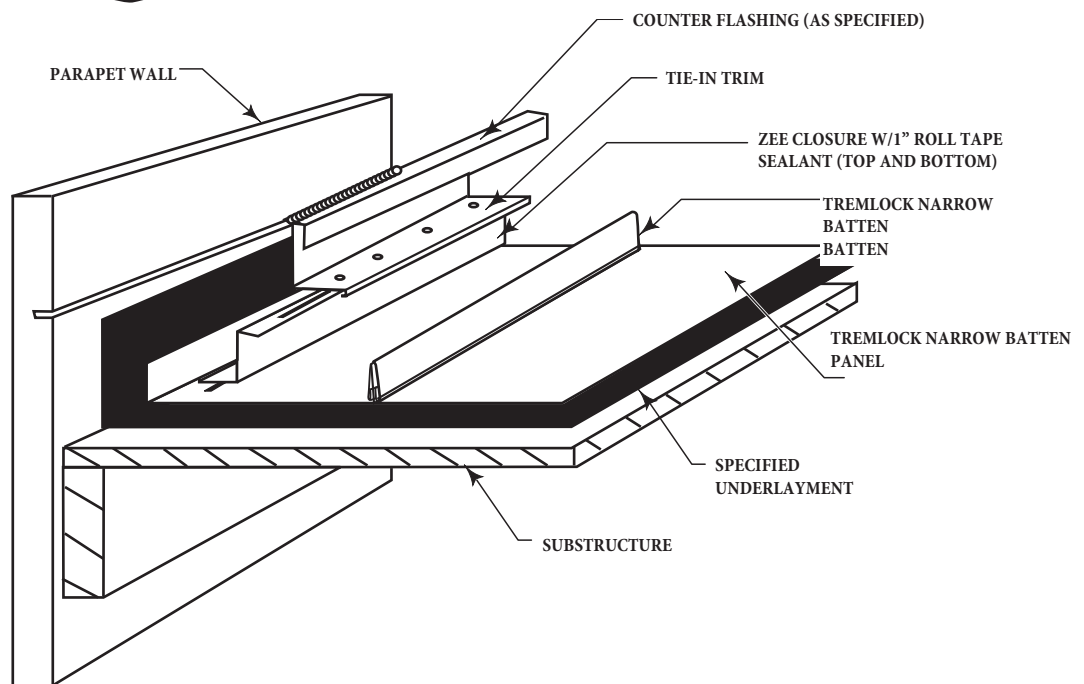
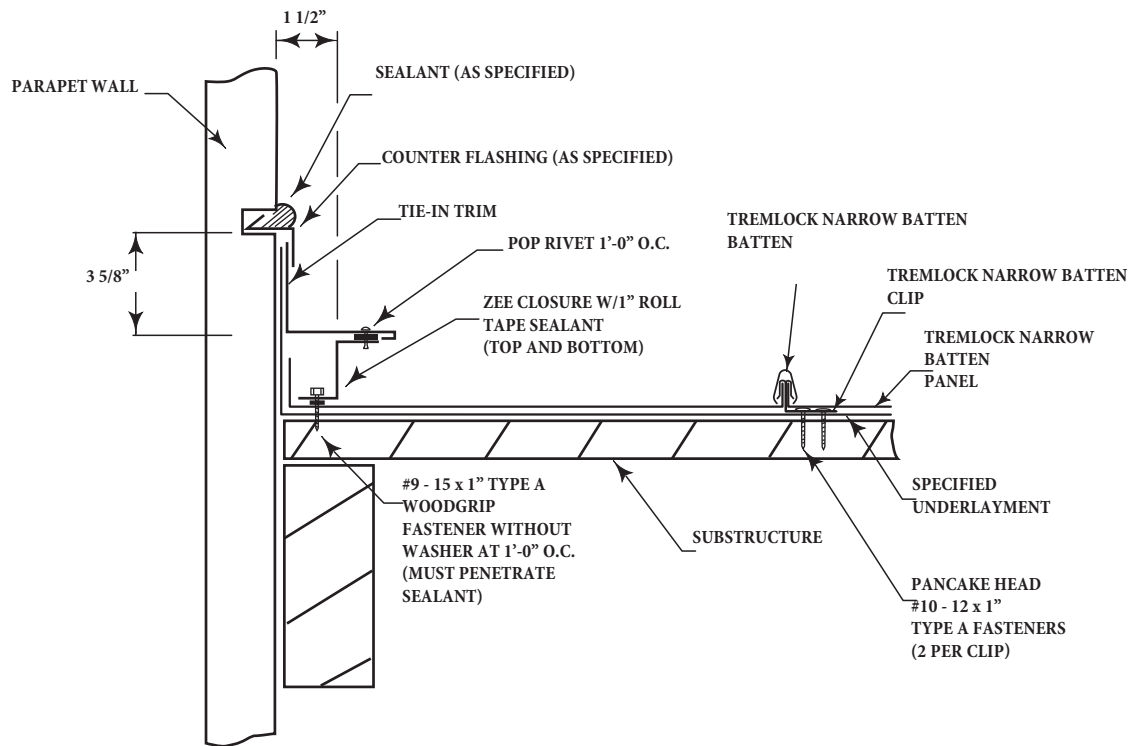


NOTES:

1. Attach lower roof panel with a clip approximately 8" from end of panel.
2. Apply a continuous run of 1" tube sealant between panel legs, about 12" long.
3. Locate offset cleat trim approximately 4" from the edge of the lower roof panel. Field cut to fit between panel legs.
4. Fasten through offset cleat, lower panel, sealant and into the substructure.
5. Field notch 1 1/2" off leg of panel, hem and slide into offset cleat. Allow clearance for thermal movement. Be sure a clip is installed approximately 8" from end of the upper roof panel.
6. A batten lap should not occur at a panel lap.

TremLock Narrow Batten

RAKE STARTING ENDWALL PARAPET ON MODULE

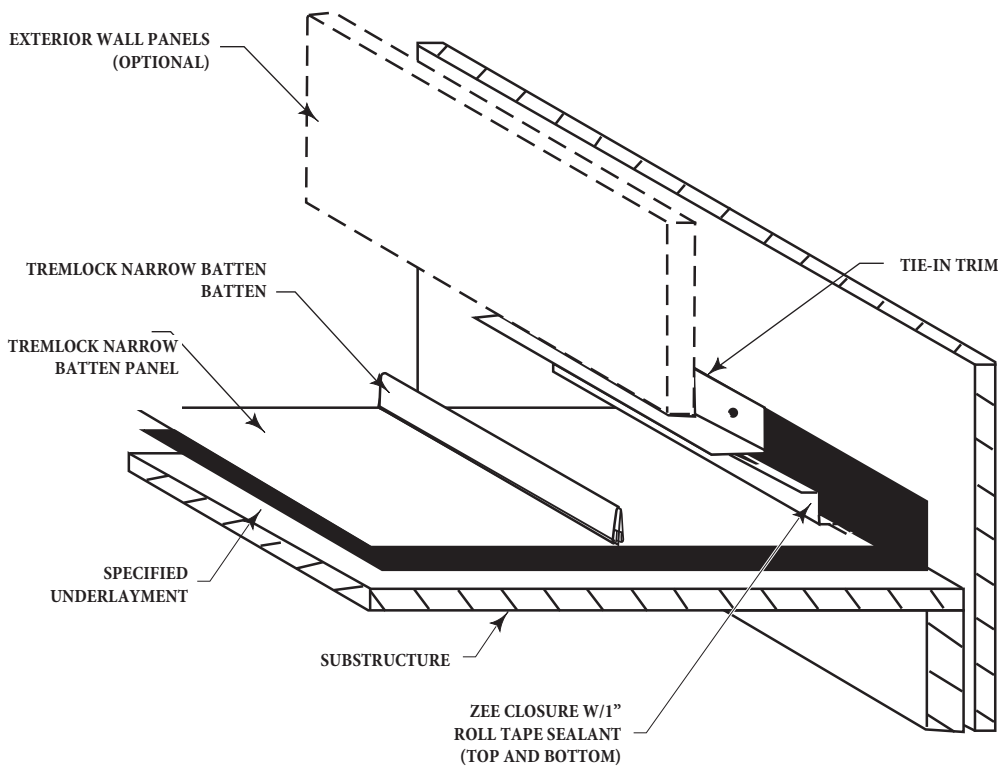
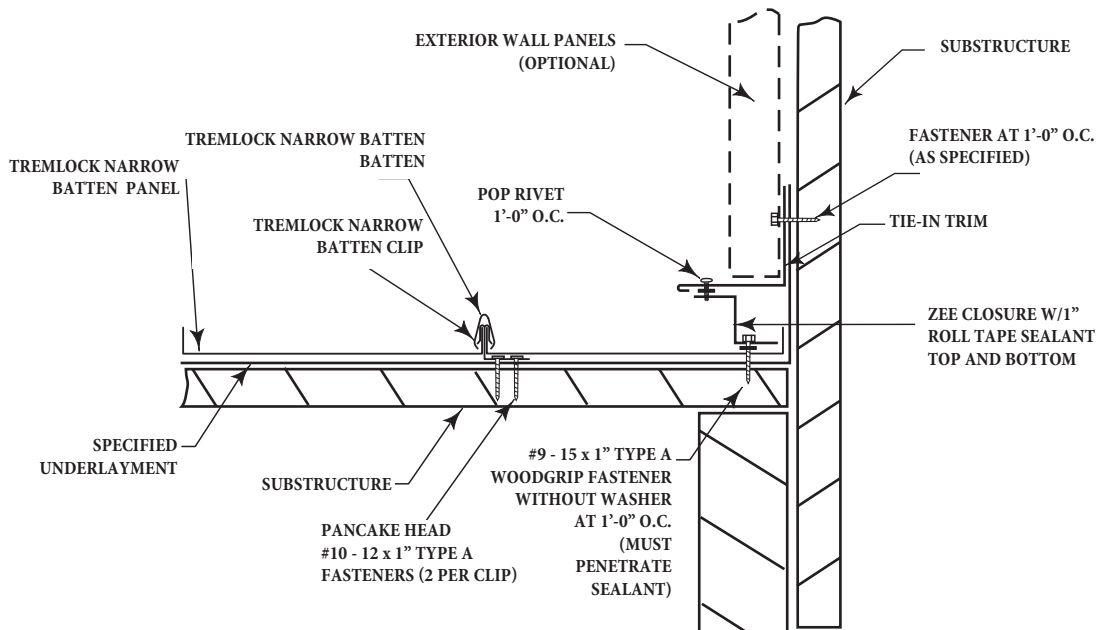


NOTES:

1. Apply a continuous run of 1" roll tape sealant on panel approximately 1 1/2" in from edge of substructure.
2. Locate zee closure over tape sealant and attach with fasteners on 1'-0" centers.
3. Apply a continuous run of 1" roll tape sealant over zee closure.
4. Fasten tie-in trim to zee closure with pop rivets on 1'-0" centers.
5. Counter flashing and sealant as specified.

TremLock Narrow Batten

RAKE FINISH ENDWALL PARAPET WITH WALL PANELS

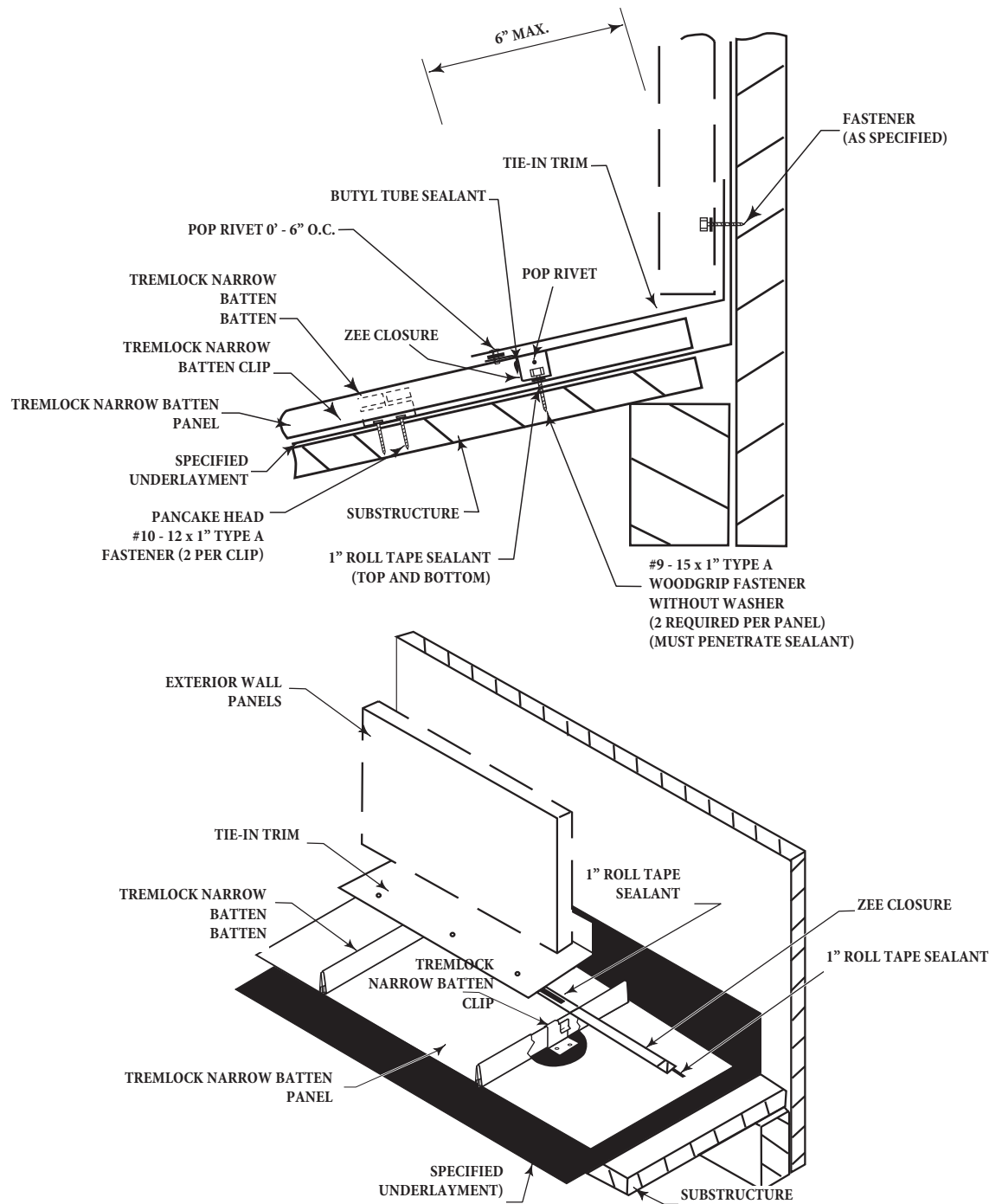


NOTES:

1. After panels are installed, field cut panel at wall if required.
2. Apply a continuous run of 1" roll tape sealant on panel approximately 1 1/2" in from edge of substructure.
3. Locate zee closure over tape sealant and attach with fasteners on 1'-0" centers.
4. Apply a continuous run of 1" roll tape sealant over zee closure.
5. Fasten tie-in trim to zee closure with pop rivets on 1'-0" centers.

TremLock Narrow Batten

HIGH SIDE TIE-IN SIDEWALL PARAPET WITH WALL PANELS

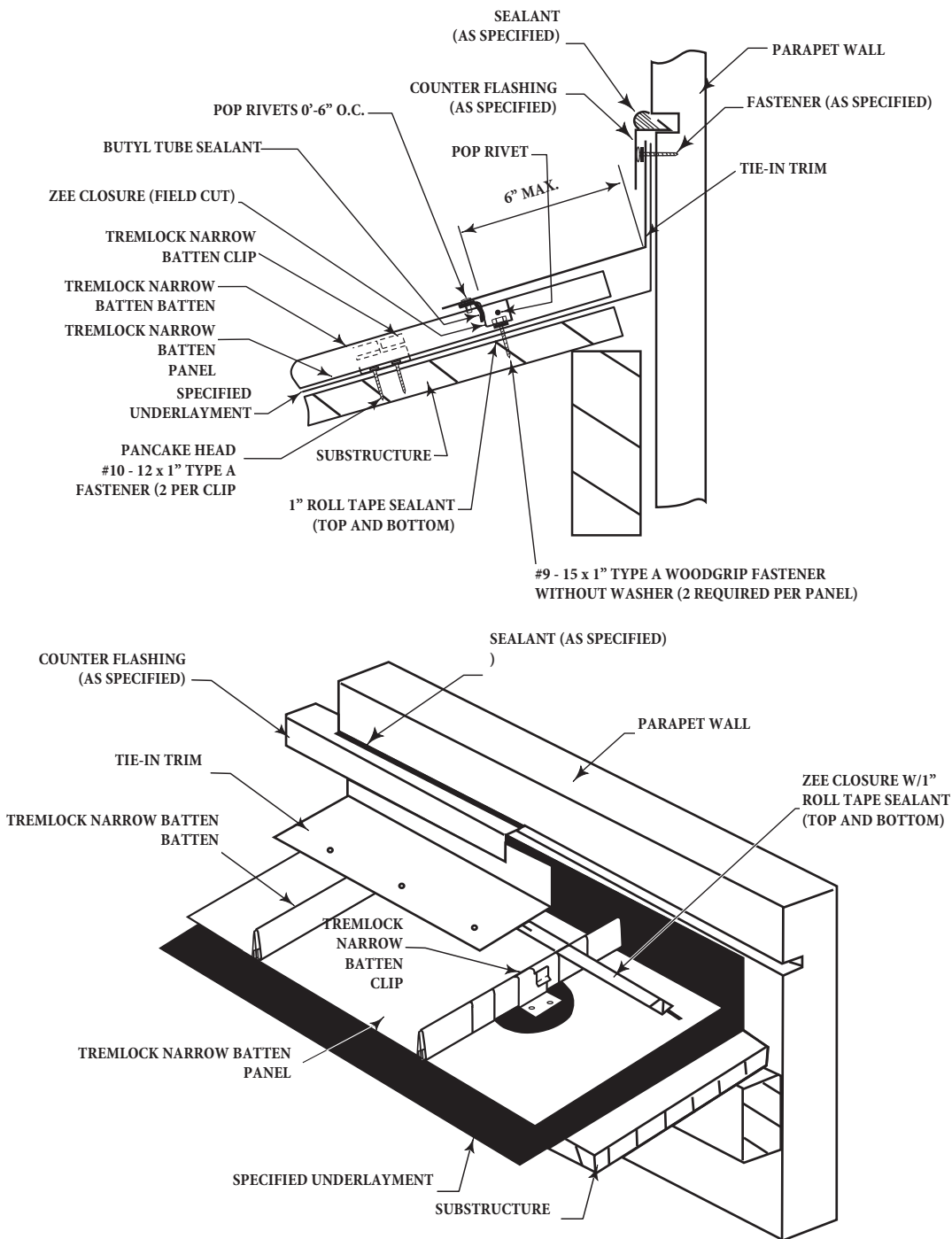


NOTES:

1. After panels and battens are installed, place a continuous run of 1" roll tape sealant approximately 6" from edge of wall substructure.
2. Field cut zee closure and install over tape sealant and attach with two (2) fasteners through closure, sealant, panel, and into substructure. Locate as shown. Pop rivet to batten as shown.
3. Apply a continuous run of 1" roll tape sealant over zee closure and fasten trim to closure with pop rivet on 6" centers. Apply tube sealant at closure to batten.
4. Fasteners for attachment to wall substructure as specified.

TremLock Narrow Batten

HIGH SIDE TIE-IN SIDEWALL PARAPET ABOVE ROOFLINE

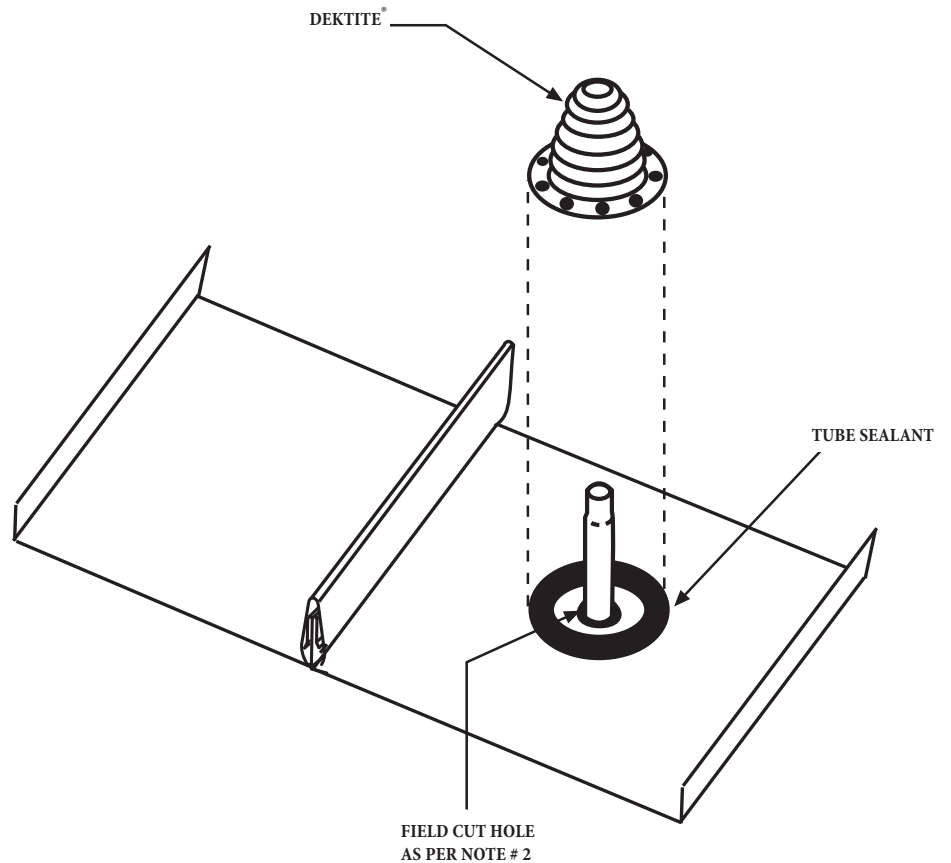


NOTES:

1. After panels and battens are installed, place a continuous run of 1" roll tape sealant approximately 6" from edge of wall substructure.
2. Field cut zee closure and install over tape sealant and attach with two (2) fasteners through closure, sealant, panel and into substructure. Locate as shown. Pop rivet to batten as shown.
3. Apply a continuous run of 1" roll tape sealant over zee closure and fasten trim to closure with pop rivets on 6" centers. Use tube sealant at closure to batten.
4. Fasteners for attachment to parapet wall as specified.
5. Counter flashing and sealant to parapet wall as specified.

TremLock Narrow Batten

ROOF JACK INSTALLATION



NOTES:

1. Before cutting hole in sheet, consider the best position to suit size of Dektite® selected.
2. Cut a neat hole with minimum clearance for pipe and install pipe.
3. Rubber sleeve should be a watertight fit on pipe. If rubber has to be cut, a neat hole 1/2" dia. less than outside pipe diameter should be cut in Dektite®. Use a sharp pair of scissors and avoid nicks.
4. Apply tube sealant to underside of base and, using water as lubricant, slide flashing along until it meets sheet.
5. Hand press Dektite® base on to sheet, pressing base firmly to avoid gaps, progressively drill and fasten to sheet. Fasten to panel with #14 x 7/8" laptek® Fasteners.

TremLock Narrow Batten

NOTES

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