



## Installation Guide for

FlintEdge Coping & Coping+ ANSI/SPRI ES-1 TESTED

Straight Parapets 6" through 32" Wide

Also included: Installation Guides for

Radius Parapets 6" through 32" Wide

Vaulted Parapets 6" through 32" Wide

Special Wall Conditions 6" through 32" Wide

### NOTES:

#1 - Isolate all metal parts from ACQ treated wood or other galvanically incompatible material with appropriate membrane material.

#2 - Appliance attachments, such as lightning rods, signs, or antennae that penetrate the water seal, induce a galvanic reaction, or otherwise compromise the effectiveness of the roof edge system, shall be eliminated or isolated to prevent problems per section 8.0 of ANSI/SPRI ES-1. Appliances should be isolated from or not attached to the roof edge system. Consult the lightning protection system manufacturer for specific attachment instructions.

## Installation Guide Index

General Information

Coping Diagrams

Straight Parapet Installation

Radius Parapet Installation

Vaulted Parapet Installation

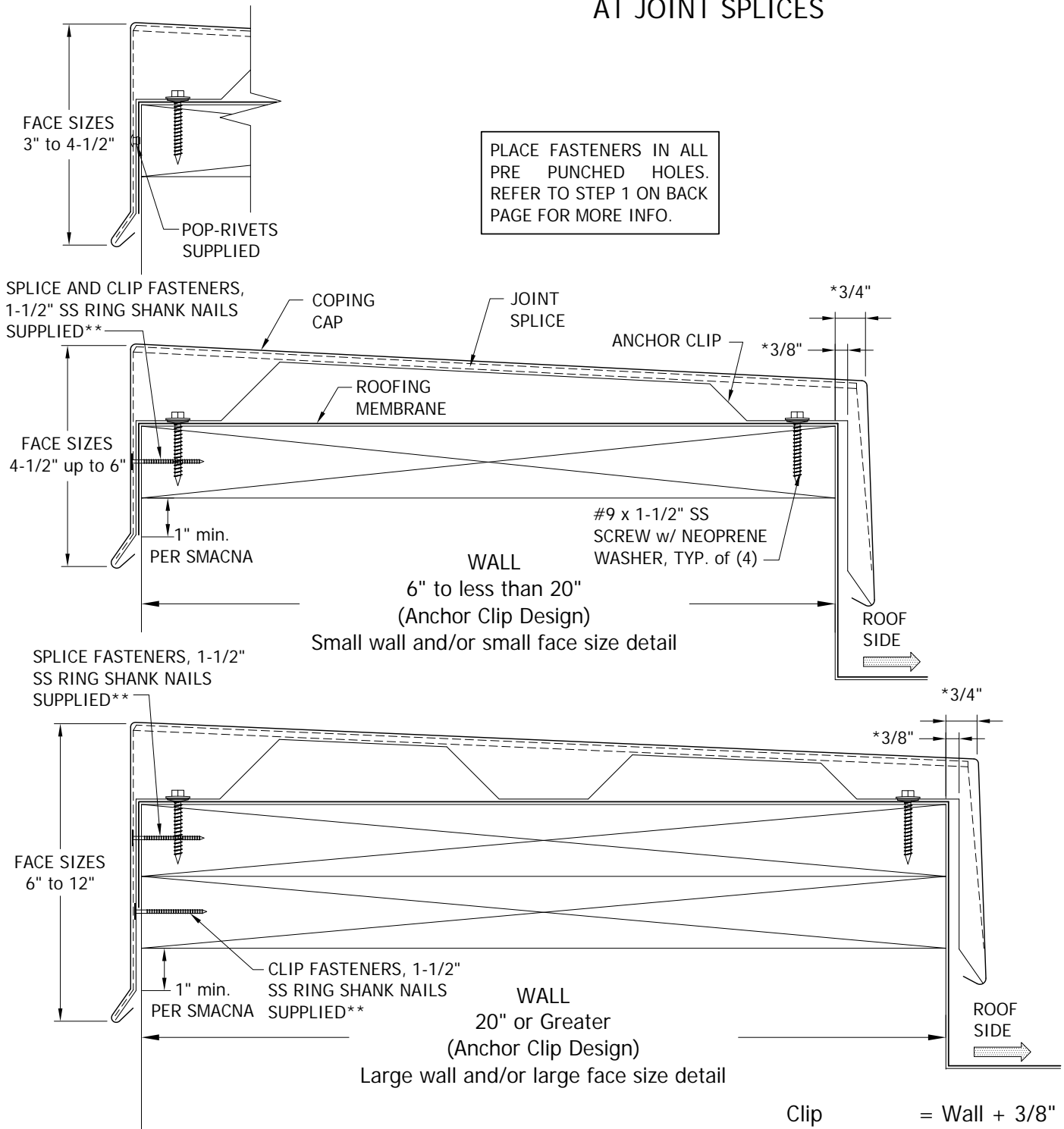
Special Condition Installation

CERTAINTEED ROOFING

750 E. Swedesford Road - Valley Forge, PA 19482 - Phone: (800) 345-1145

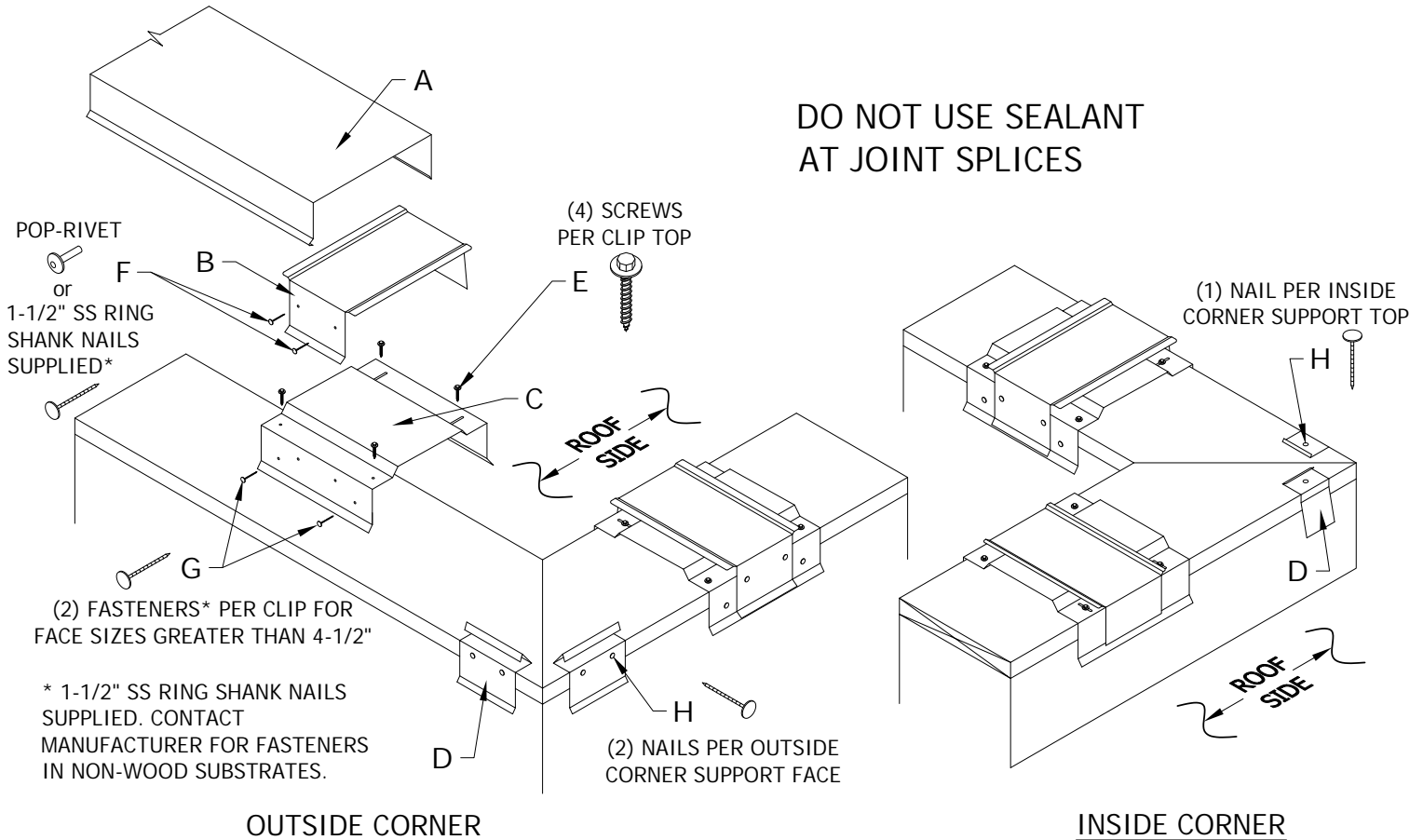
[www.certainteed.com](http://www.certainteed.com)

**DO NOT USE SEALANT  
AT JOINT SPLICES**



\*DIMENSION WILL VARY WITH WALL WIDTH VARIATION

\*\* FOR SUBSTRATES OTHER THAN WOOD, CONTACT WP HICKMAN FOR FASTENER RECOMMENDATIONS



A. Formed Coping Cap  
10'-0" Lengths

B. 6" Wide Concealed Joint Splice  
One (1) at Each Clip Location

C. 12" Wide Galv. Anchor Clip  
6" ≤ Wall Width < 17" Install @ 60" on center  
17" ≤ Wall Width ≤ 32" Install @ 40" on center

D. Corner Supports (Inside & Outside)  
Used to Support Outside and Inside Miters

E. #9 x 1-1/2" SS Screw w/ Neoprene Washer  
Four (4) Per Clip Top  
(Included & Required)

F. Splice Fasteners

Pop-Rivets Supplied

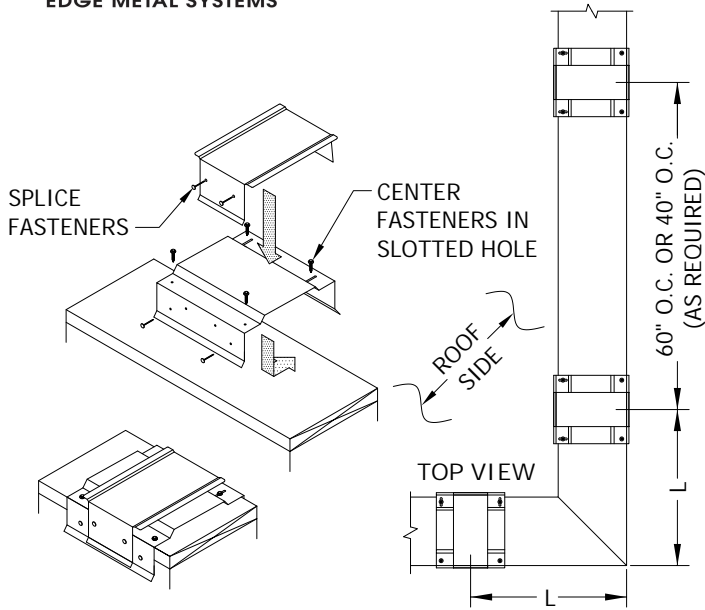
Two (2) Per Joint Splice if FACE is 3" to 4-1/2"  
1-1/2" SS Ring Shank Nails Supplied  
Two (2) Per Joint Splice if FACE is >4-1/2"  
(Included & Required)

G. Clip Fasteners

1-1/2" SS Ring Shank Nails Supplied  
Two (2) Per Clip if FACE is >4-1/2"  
(Included & Required)

H. Corner Support Fasteners

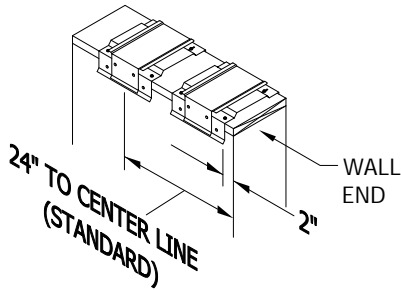
1-1/2" SS Ring Shank Nails Supplied  
Two (2) Per Outside Corner Support Face  
One (1) Per Inside Corner Support Top  
(Included & Required)



L=23 1/4" - for wall widths ≤ 16" wide  
L=29 1/4" - for wall widths > 16" and ≤ 23" wide  
L=custom for wall widths > 23" wide

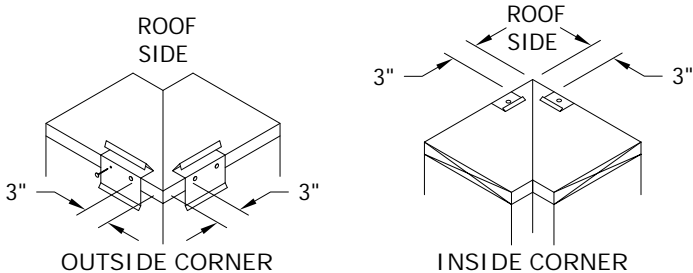
**STEP 1: Installing Anchor Clips at Corners & Along the Parapet**

For face sizes 3" to 4-1/2" pop-rivet splices to ALL clips through pre punched holes. Locate anchor clips as shown. Pull clips snugly against the outside face. Place four (4) screw fasteners in the top of the clip. For faces >4-1/2" place two (2) ss ring shank nails in the clip face (outer holes). Position the joint splice over the center of the clip and install as shown. For faces >4-1/2" place two (2) ss ring shank nails thru aligning holes. Joint splices should be installed at ALL clip locations.



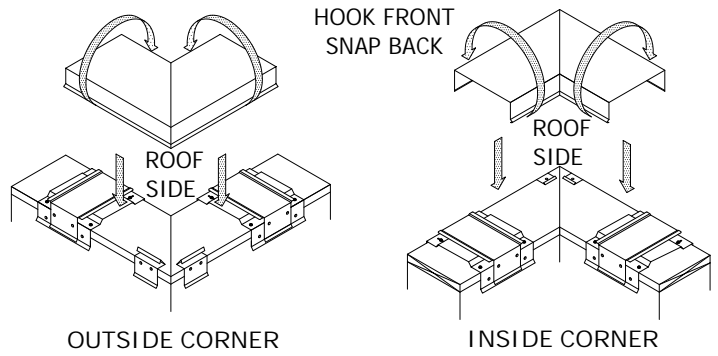
**STEP 2: Installing Anchor Clips at Wall Ends**

Install the first anchor clip approximately 2" from the wall end as shown. Install the second anchor clip 24" on center from the wall end. (If end cap leg is other than 24" adjust clip placement accordingly.)



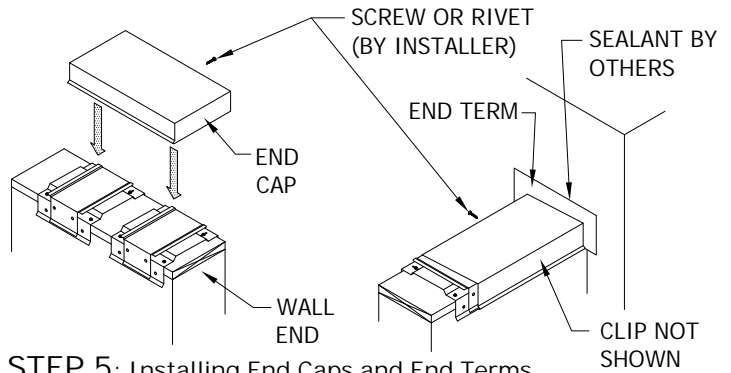
**STEP 3: Installing Corner Support Clips**

Two (2) corner support clips are to be placed at all corners to support the cap. Secure clips using 1-1/2" ss ring shank nails. Set each clip away from the corner approximately 3".



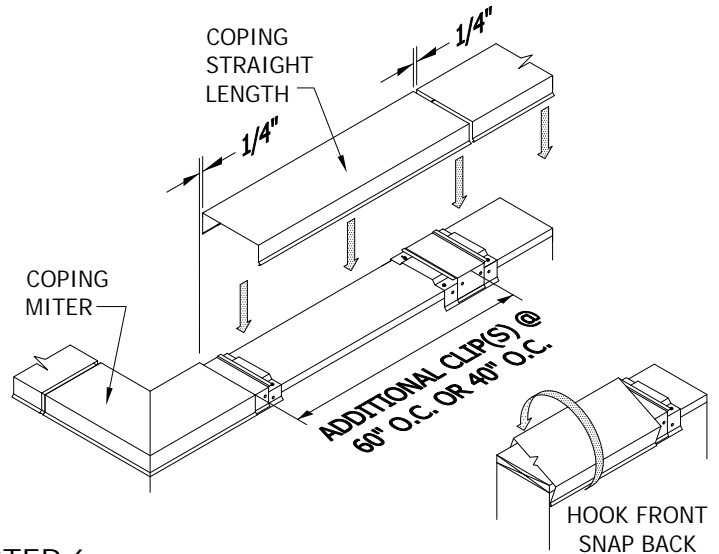
**STEP 4: Installing Coping Miters**

Hook the face of the coping miter over the outside face leg of the clips, rotate the coping miter over the top of the clips and snap the roof side leg by pressing down.



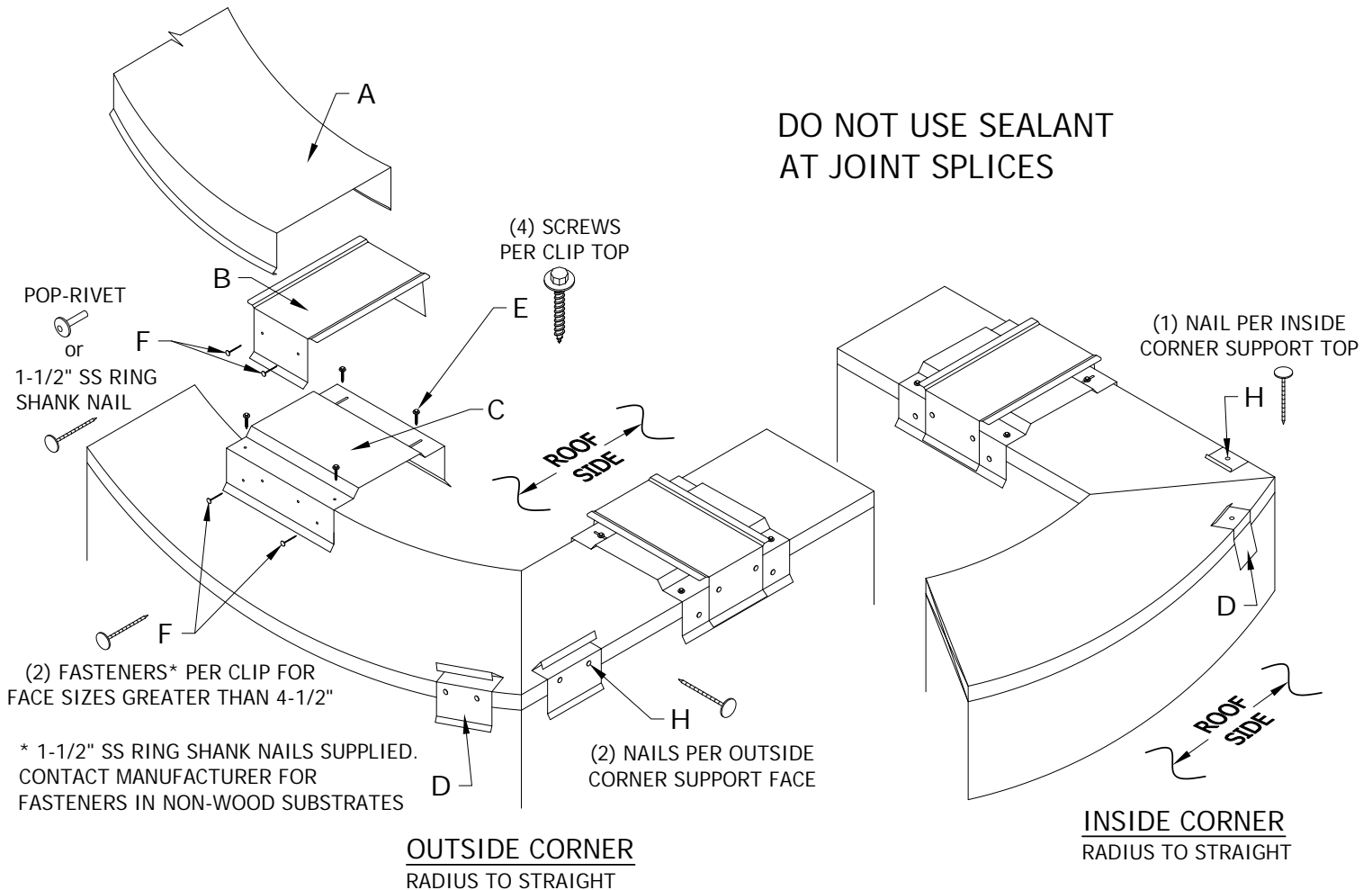
**STEP 5: Installing End Caps and End Terms**

Install end caps and end terms by hooking face and snapping back into place. End caps must be restrained from moving by securing the end cap to the clip using a stainless steel screw or rivet (by installer) through the roof side leg of the end cap. End terms should be restrained similarly if no fasteners are previously installed in the end term wall flange.

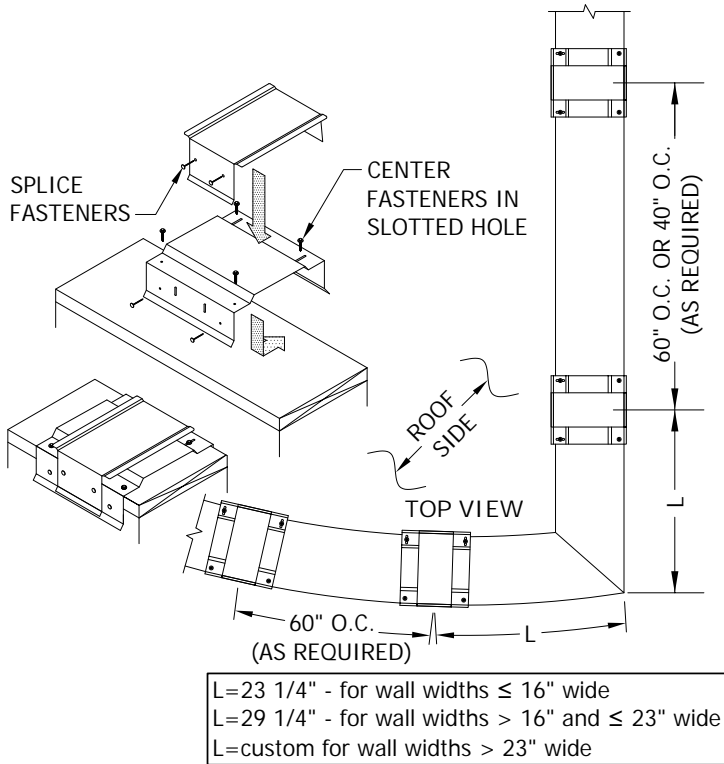


**STEP 6: Installing Coping Straight Lengths**

Begin installing from the corners and ends working inward to the center. Allow a 1/4" gap between the coping sections for thermal expansion. Review lengths of all straight pieces prior to cutting to avoid creating relatively short sections of cap adjacent to full length sections. There should be an anchor clip and joint splice at least every 60" O.C. (40" O.C. when wall is 17"-32" wide) and at every joint. Every fifth 10-foot section of coping should be secured to the clip using a single stainless steel screw or rivet (same procedure as STEP 5) to isolate movement within a containment zone.



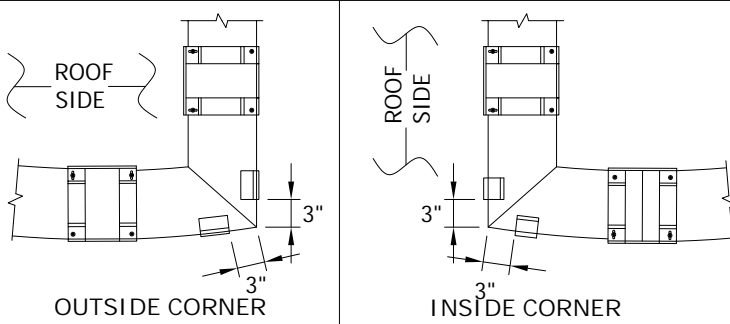
- |  |   |
|--|---|
| <p><b>A. Radius Coping Cap</b><br/>60" Lengths Typ. (Lengths May Vary)</p> <p><b>B. 6" Wide Concealed Joint Splice</b><br/>One (1) at Each Clip Location</p> <p><b>C. 12" or 6" Wide Galv. Steel Anchor Clip</b><br/>6" ≤ Wall Width &lt; 17" Install @ 60" on center<br/>17" ≤ Wall Width ≤ 32" Install @ 30" on center</p> <p><b>D. Corner Supports (Inside &amp; Outside)</b><br/>Used to Support Outside and Inside Corners</p> <p><b>E. #9 x 1-1/2" SS Screw w/ Neoprene Washer</b><br/>Four (4) Per Clip Top<br/>(Included &amp; Required)</p> | <p><b>F. Splice Fasteners</b><br/>Pop-Rvets Supplied<br/>Two (2) Per Joint Splice if FACE is 3" to 4-1/2"<br/>1-1/2" SS Ring Shank Nails Supplied<br/>Two (2) Per Joint Splice if FACE is &gt;4-1/2"<br/>(Included &amp; Required)</p> <p><b>G. Clip Fasteners</b><br/>1-1/2" SS Ring Shank Nails Supplied<br/>Two (2) Per Clip if FACE is &gt;4-1/2"<br/>(Included &amp; Required)</p> <p><b>H. Corner Support Fasteners</b><br/>1-1/2" SS Ring Shank Nails Supplied<br/>Two (2) Per Outside Corner Support Face<br/>One (1) Per Inside Corner Support Top<br/>(Included &amp; Required)</p> |
|--|---|



L=23 1/4" - for wall widths ≤ 16" wide  
L=29 1/4" - for wall widths > 16" and ≤ 23" wide  
L=custom for wall widths > 23" wide

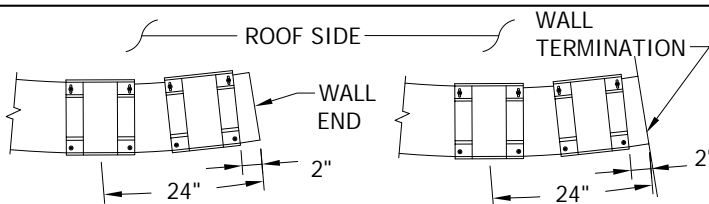
**STEP 1: Installing Anchor Clips at Corners & Along the Parapet**

For face sizes 3" to 4-1/2" pop-rivet splices to ALL clips through pre punched holes. Locate anchor clips as shown. Pull clips snugly against the outside face. Place four (4) screw fasteners in the top of the clip. For faces >4-1/2" place two (2) ss ring shank nails in the clip face (outer holes). Position the joint splice over the center of the clip and install as shown. For faces >4-1/2" place two (2) ss ring shank nails thru aligning holes. Joint splices should be installed at ALL clip locations.



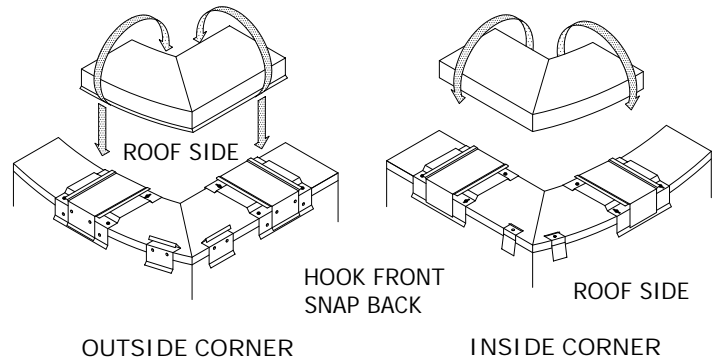
**STEP 2: Installing Corner Support Clips**

Two (2) corner support clips are to be placed at all corners to support the cap. Secure clips using 1-1/2" ss ring shank nails. Set each clip away from the corner approximately 3".



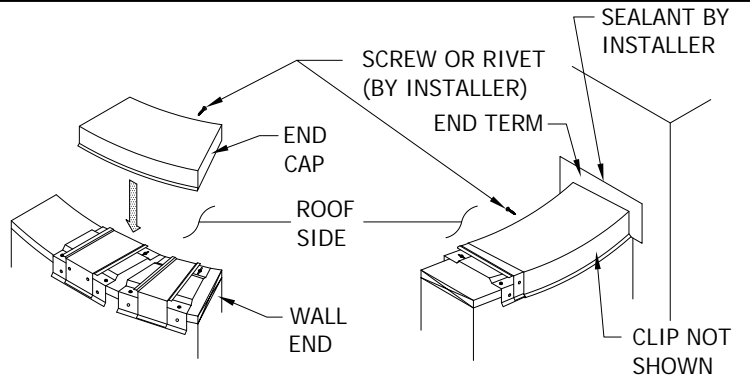
**STEP 3: Installing Anchor Clips at Wall Ends**

Install the first anchor clip approximately 2" from the wall end as shown. Install the second anchor clip 24" on center from the wall end. (If end cap leg is other than 24" adjust clip placement accordingly.)



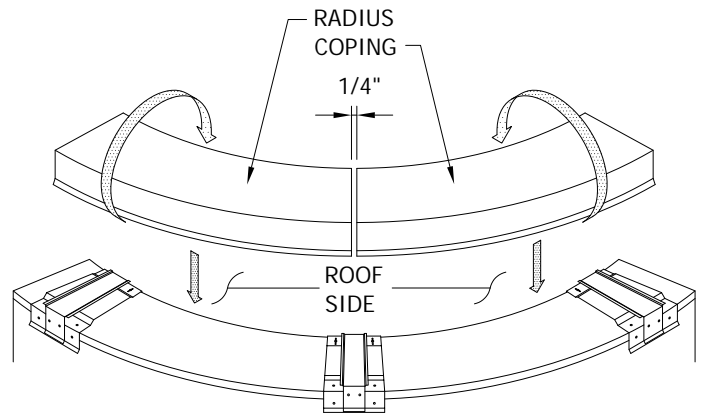
**STEP 4: Installing Radius to Straight Coping Miters**

Hook the face of the coping miter over the outside face leg of the clips, rotate the coping miter over the top of the clips and snap the roof side leg by pressing down.



**STEP 5: Installing End Caps and End Terms**

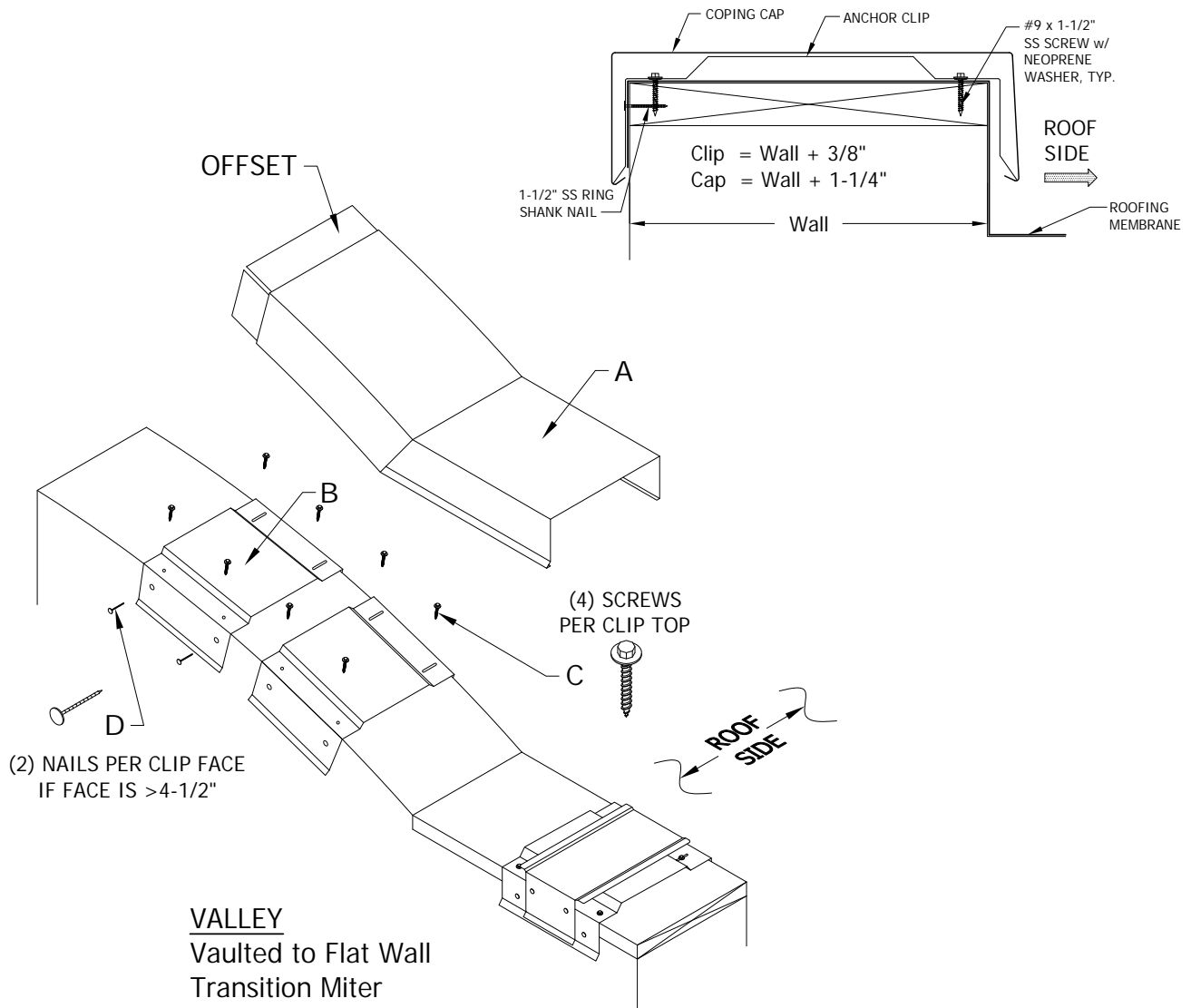
Install end caps and end terms by hooking face and snapping back into place. End caps must be restrained from moving by securing the end cap to the clip using a stainless steel screw or rivet (by installer) through the roof side leg of the end cap. End terms should be restrained similarly if no fasteners are previously installed in the end term wall flange.



**STEP 6: Installing Radius Coping Lengths**

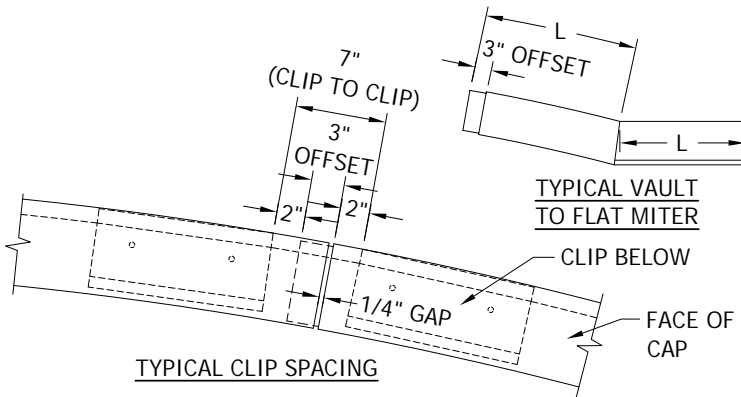
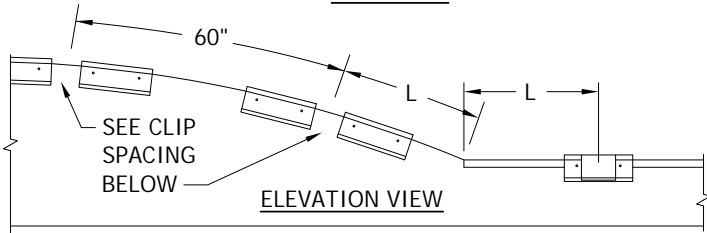
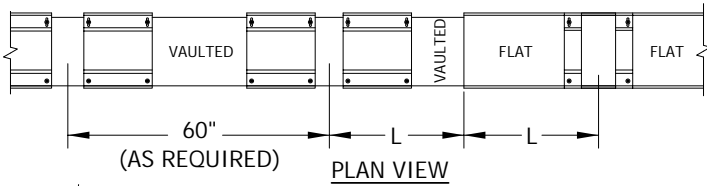
Begin installing from the corners and ends working inward to the center. Allow a 1/4" gap between the coping sections for thermal expansion. Review lengths of all radius pieces prior to cutting to avoid creating relatively short sections of cap adjacent to full length sections. There should be an anchor clip and joint splice at least every 60" O.C. (clip spacing may vary) and at every joint. Every fifth 60" section of coping should be secured to the clip using a single stainless steel screw or rivet (same procedure as STEP 5) to isolate movement within a containment zone.

VAULTED PARAPET INSTALLATION



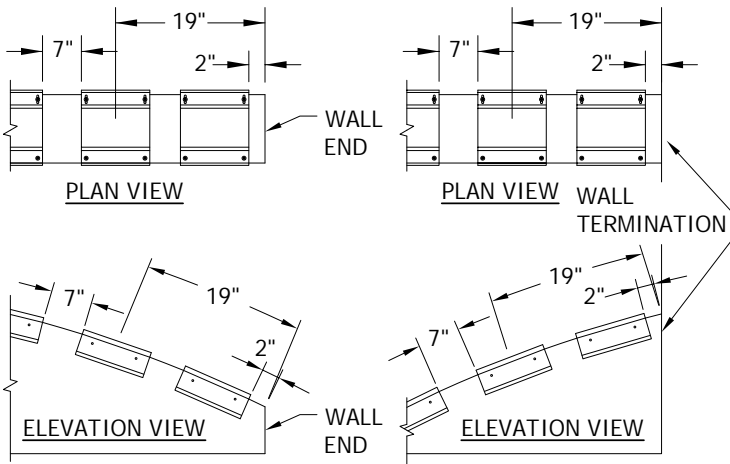
- A. Vaulted Coping Cap  
60" Lengths Typ. (Lengths May Vary)
- B. Galvanized Steel Anchor Clip  
6" or 12" Wide at 60" On Center Typ.  
(Clip Spacing May Vary)

- C. #9 x 1-1/2" SS Screw w/ Neoprene Washer  
Four (4) Per Clip Top  
(Included & Required)
- D. 1-1/2" SS Ring Shank Nail Supplied  
Two (2) Per Clip Face if Face is >4-1/2"  
Two (2) Per Outside Corner Support Face  
One (1) Per Inside Corner Support Top  
(Included & Required)

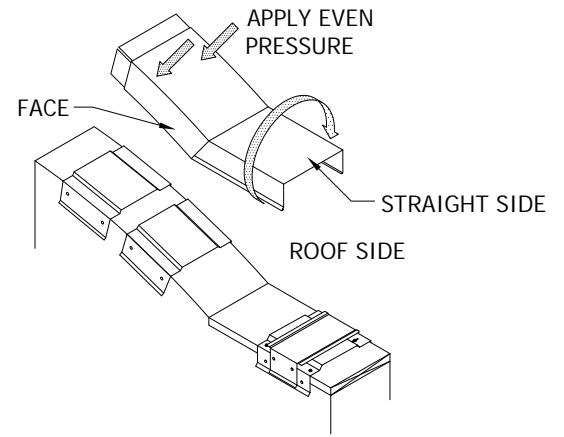


L=23 1/4" - for wall widths ≤ 16" wide  
 L=29 1/4" - for wall widths > 16" and ≤ 23" wide  
 L=custom for wall widths > 23" wide

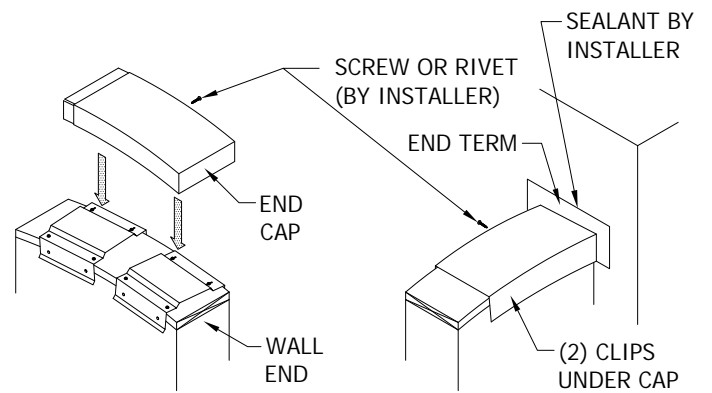
**STEP 1: Installing Anchor Clips at Valleys & Along the Parapet**  
 Locate anchor clips as shown. Pull clips snugly against the outside face. Place four (4) screw fasteners in the top of the clip with fasteners centered in slotted holes. Place two (2) ss ring shank nails in the clip face if face is >4-1/2". DO NOT place anchor clip at joint locations, see diagrams above to determine anchor clip locations.



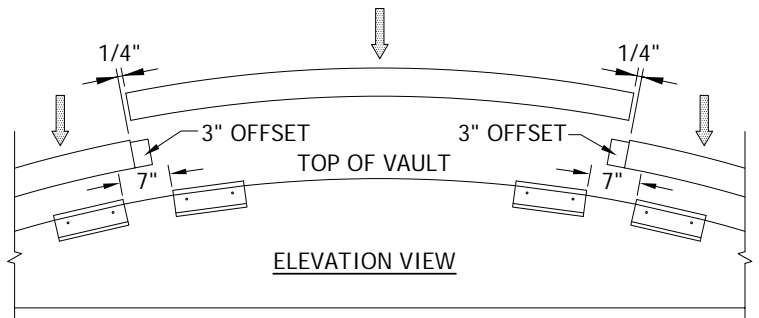
**STEP 2: Installing Anchor Clips at Wall Ends**  
 Install the first anchor clip approximately 2" from the wall end as shown. Install the second anchor clip 19" on center from the wall end. DO NOT place second clip at joint location. (If end cap leg is other than 30" adjust clip placement accordingly.) Install third anchor clip 7" from second as shown above.



**STEP 3: Installing Coping Miters**  
 Place miter over installed anchor clips at valleys. Hook the face on the straight side of the miter onto the clip. Rotate the miter over the top of the clip and snap the roof side leg by pressing down. Then apply even pressure to the vaulted legs of the miter until both legs are fully engaged on the clip.

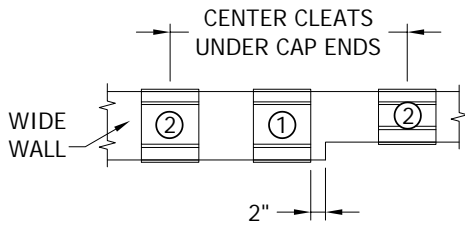


**STEP 4: Installing End Caps and End Terms**  
 Install end caps and end terms by placing the cap in the correct location over the anchor clips. Apply even pressure on both legs of the cap until both legs are fully engaged on anchor clips. End caps must be restrained from moving by securing the end cap to the clip using a stainless steel screw or rivet (by installer) through the roof side leg of the end cap. End terms should be restrained similarly if no fasteners are previously installed in the end term wall flange.



**STEP 5: Installing Vaulted Coping Lengths**  
 Begin installing from the valleys and the lower most part of the vaults at the wall ends working toward the upper/top of the vault. Allow a 1/4" gap between the coping sections for thermal expansion. Review lengths of all vaulted pieces prior to cutting to avoid creating relatively short sections of cap adjacent to full length sections. There should be at least (2) two anchor clips under each coping cap (Clip spacing may vary). Every fifth 60" section of coping should be secured to the clip using a single stainless steel screw or rivet (same procedure as STEP 4) to isolate movement within a containment zone.



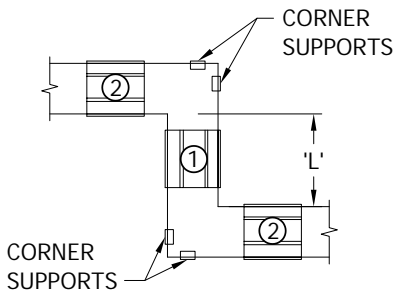


**INLINE TRANSITION**

NOTE: Instructions are for face leg and back leg offsets.

STEPS:

1. Install cleat ① 2" from offset, only if wide wall cap leg length is longer than 20".
2. Install cleats ② centered under cap ends.



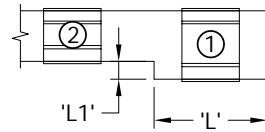
**'Z' MITER**

NOTE: Instructions work for face leg on either side.

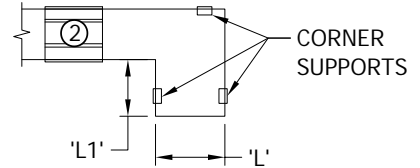
STEPS:

1. Install cleat ① only if 'L' is longer than 14".
2. Install cleats ② centered under cap ends.
3. Install appropriate corner supports in designated areas.

**EXAMPLE 1**



**EXAMPLE 2**



**PIER END TRANSITION**

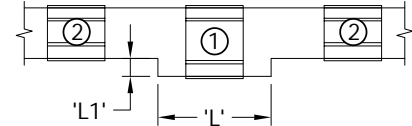
NOTE: Instructions are for face leg and back leg offsets.

STEPS:

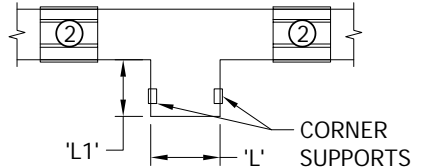
1. Install cleat ① only if 'L' is longer than 12".  
Eles use corner support as shown.
2. For 'L1' cleats and corner supports, see below.
3. Install cleats ② centered under cap ends.

'L1' > 12"	'L1' < 12"
Install corner supports as shown in EXAMPLE 2	Install cleat as shown in EXAMPLE 1

**EXAMPLE 1**



**EXAMPLE 2**



**PIER INLINE TRANSITION**

NOTE: Instructions are for face leg and back leg offsets.

STEPS:

1. Install cleat ① only if 'L' is longer than 12".  
Else use corner support as shown.
2. For 'L1' procedures see table below.
3. Install cleats ② centered under cap ends.

'L1' > 12"	'L1' < 12"
Install corner supports as shown in EXAMPLE 2	Install cleat as shown in EXAMPLE 1