Since 1935

Wasco®
S K Y L I G H T S

Installation Instructions for Quarter Round (QR)

Kocked Down with Ends Assembled

SAFETY CONSIDERATIONS: WASCO SKYLIGHTS ARE DESIGNED TO WITHSTAND NORMAL ELEMENTS OF THE WEATHER. THEY ARE NOT DESIGNED TO WITHSTAND HUMAN IMPACT OR FALLING OBJECTS. THESE SKYLIGHTS SHOULD NOT BE WALKED UPON UNDER ANY CIRCUMSTANCES. THE OWNER OR DESIGNER SHOULD RESTRICT ACCESS ONLY TO AUTHORIZED PERSONNEL WHO HAVE BEEN ADEQUATELY CAUTIONED AS TO THE LOCATION OF THE SKYLIGHTS AND INFORMED OF THE WARNING ABOVE, OR SAID OWNER SHOULD PROVIDE PROTECTIVE GUARD RAILS OR SCREENS AROUND THE SKYLIGHT.

Note: Prior to starting Installation, check unit/parts for damage. Please read entire Installation Instructions & review the file & field drawings in order to familiarize yourself with specific jobsite conditions.

NOTE: URETHANE IS TO BE USED ON ACRYLIC GLAZED UNITS – SILICONE IS TO BE USED ON ALL POLYCARBONATE GLAZED UNITS. DO NOT USE URETHANE ON POLYCARBONATE MATERIALS.

1.0 – Scope (General Information)

These Installation Instructions cover the field installation of Wasco Products Model: Quarter Round (QR) units consisting of open ends, vertical ends, or up against a wall; these units are shipped: Knocked down & unglazed (with ends assembled). These Installation Instructions are to be used in conjunction with the file & field drawings exclusively for the units on this project. Please refer to file & field drawings for unit dimensions, & specific field conditions.
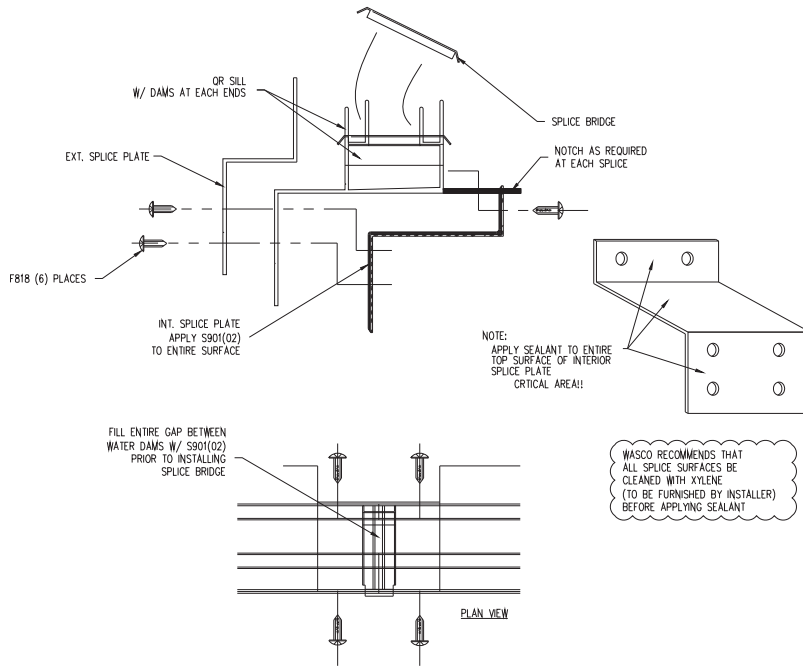
2.0 – Installation Steps & Preview Drawings

Step 1 – Before Starting Installation of the unit(s), ensure that the minimum 3 ½" width building curb has been properly prepared to receive the unit. Curb must be Straight, Level, Square, & Plumb. Place a generous amount of sealant (compatible with roofing material).
Start at one end & work toward the other end. Position Frame squarely & evenly to the roof curb. Refer to Wasco section details for proper dimensions.
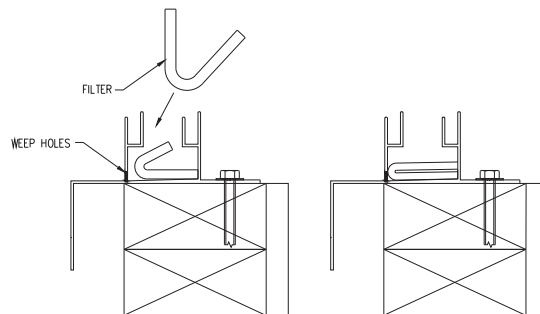
DO NOT SECURE TO CURB UNTIL YOU HAVE GONE THRU STEPS 2 thru 5

Step 2 – At splice plate locations, apply sealant to entire inside surface of interior splice plate. Center the splice plate at sill butt joint so as to ensure fastener holes line up. Fasten interior splice plates to Quarter Round sill w/#10 x 5/8" sheet metal screws. Apply sealant at joint between welded dams, install QR Bridge Splice Clip. Attach exterior splice plate after installation of glazing material.

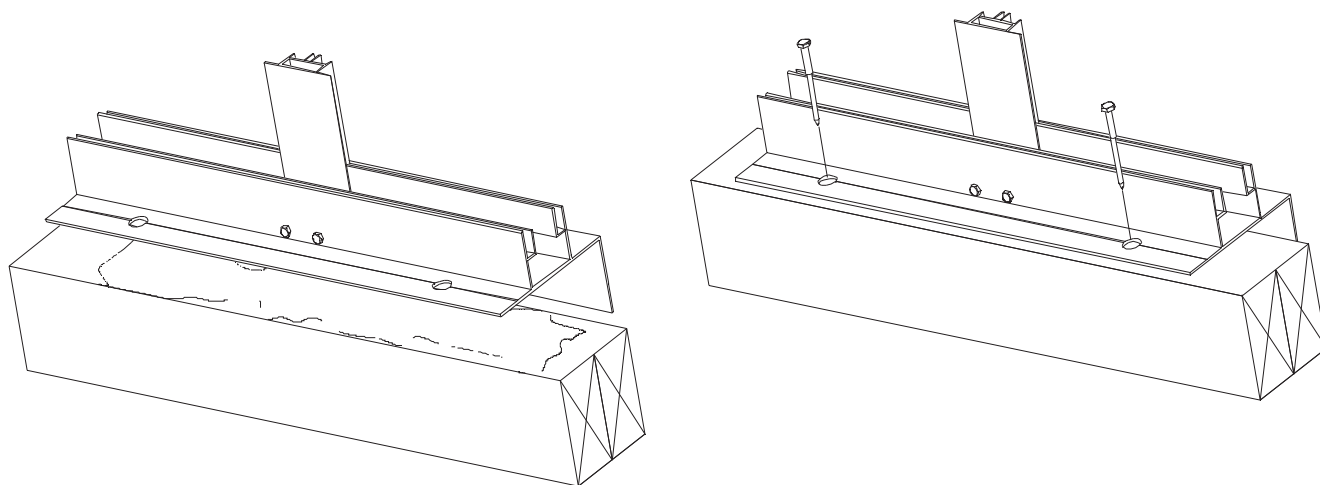**DO NOT APPLY SEALANT TO EXTERIOR SPLICE PLATE**

Step 3 – Fold filter & insert into sill gutter at each rib location & at each weep hole. Ensure that the filter is flush with the underside of the extrusion.
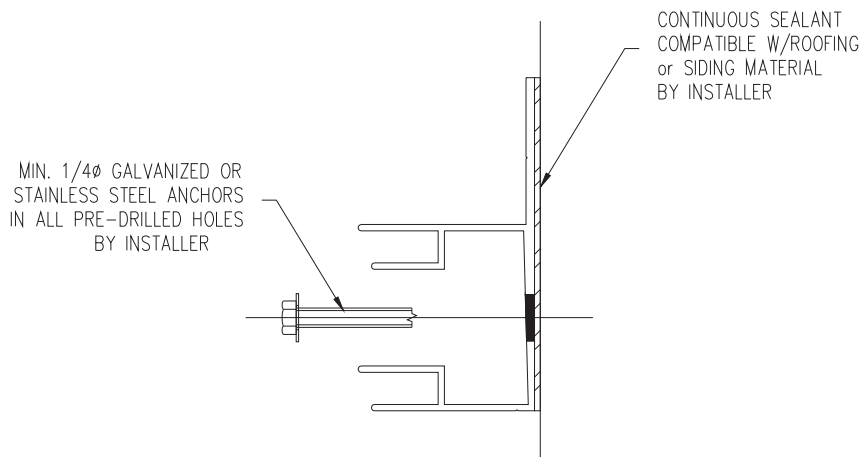

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Step 4 – Place a generous amount of sealant – compatible with roofing materials (by installer) to top of roof curb. Fasten frame securely to roof curb thru each pre-drilled hole with 3/8" diameter anchors (furnished by installer).
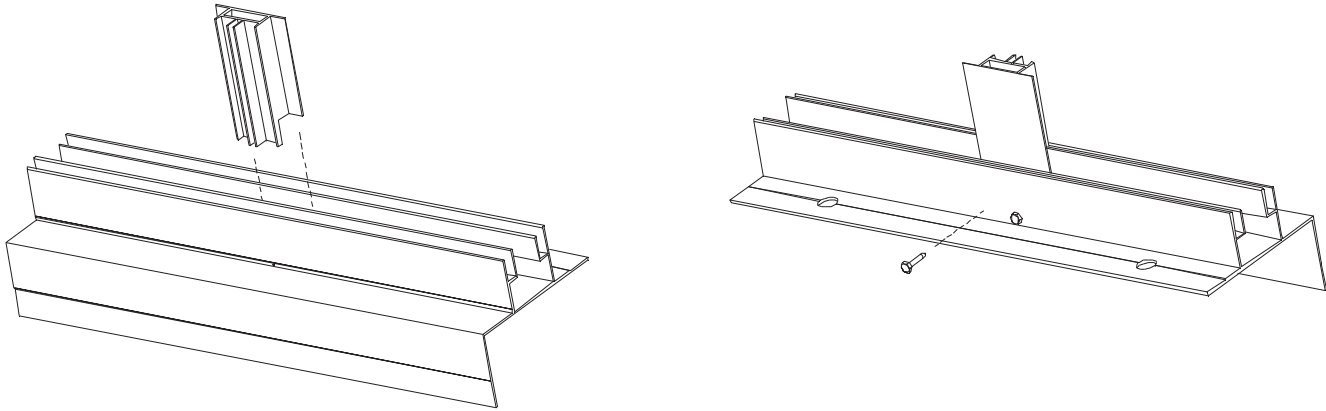
Step 4a – Fasten QR Header Sill to wall with 3/8" dia. Anchors (By Installer) through all pre-drilled holes. Two anchors required per Rib.

CONTINUOUS SEALANT
COMPATIBLE W/ROOFING
or SIDING MATERIAL
BY INSTALLER

MIN. 1/4ø GALVANIZED OR
STAINLESS STEEL ANCHORS
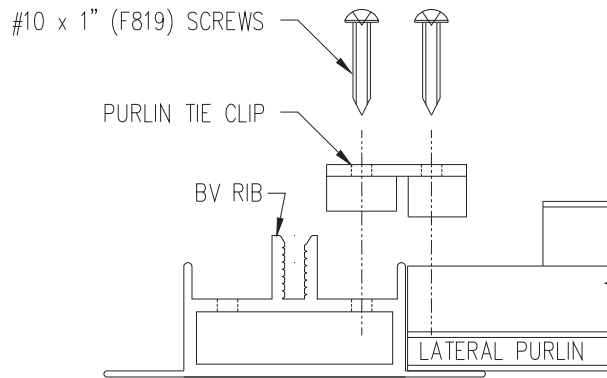IN ALL PRE-DRILLED HOLES
BY INSTALLER

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Step 5 – Place intermediate rib slot over the frame as shown in the illustrations below. Secure rib to sill with ¼-14 x 1 ¼" long screws thru pre-drilled holes. (Two fasteners per each end of rib – use 3/8" socket) Note: Use of wax lubricant will aid in installing screws.
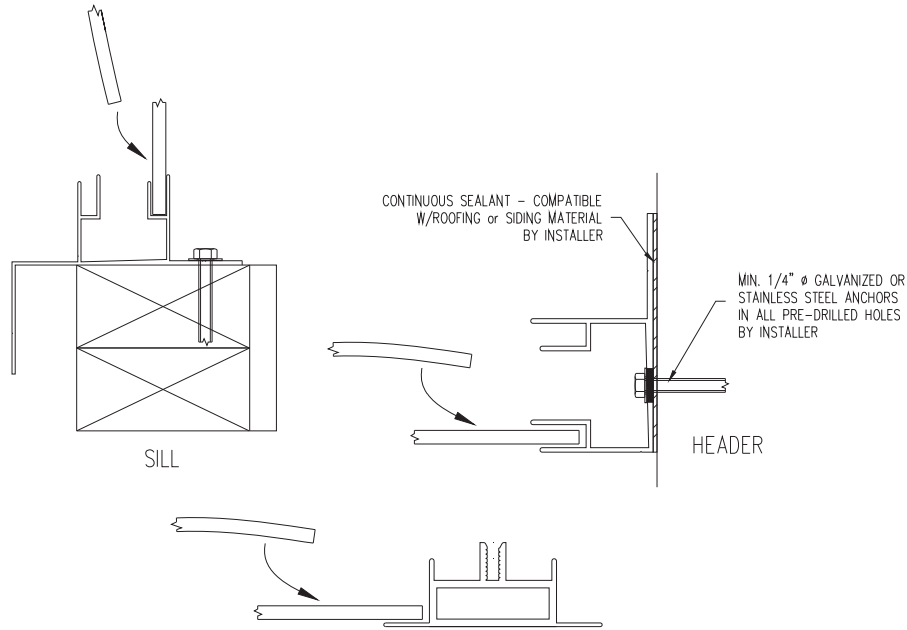
Step 6 – If model has a lateral purlin, secure to rib tubes with lateral purlin clip. Fasten clip to purlin tube & rib tube with #10 x 1" sheet metal screws. Note: Use of wax lubricant will aid in installing screws.
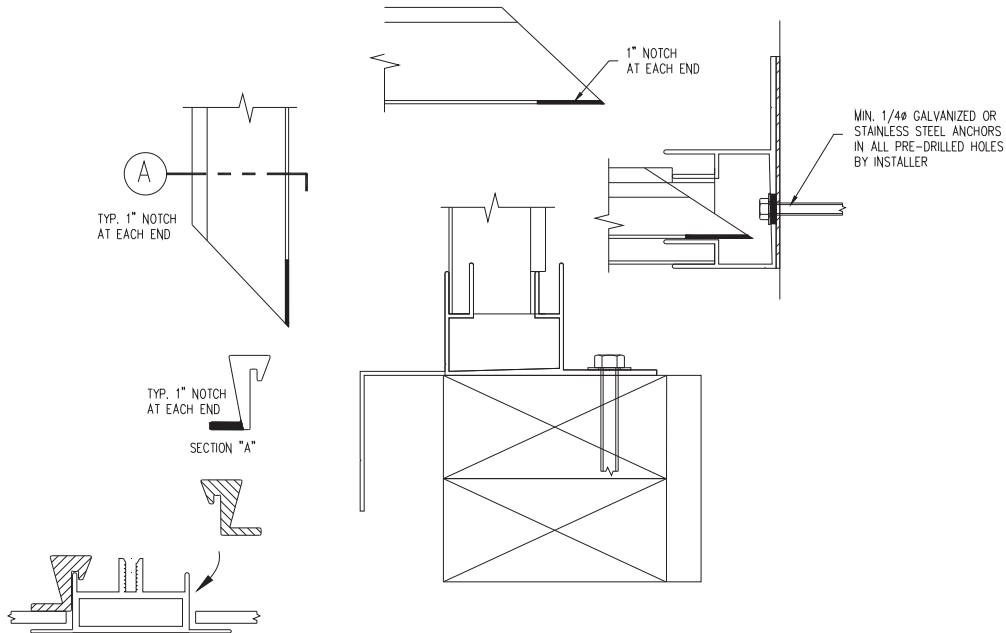
#10 x 1" (F819) SCREWS

PURLIN TIE CLIP

BV RIB

LATERAL PURLIN

Step 7 – IF UNIT HAS NO INNER GLAZING, PROCEED TO STEP 8
Insert Glazing into header inside glazing pocket. Bend glazing down over Rib.

CONTINUOUS SEALANT – COMPATIBLE
W/ROOFING or SIDING MATERIAL
BY INSTALLER

MIN. 1/4" ⌀ GALVANIZED OR
STAINLESS STEEL ANCHORS
IN ALL PRE-DRILLED HOLES
BY INSTALLER

SILL

HEADER

Step 8 – (For Lateral Purlin – If required)
Install rib divider gasket onto fins on either side of ribs & notch sill end & lateral purlin (if required).

A

TYP. 1" NOTCH
AT EACH END

TYP. 1" NOTCH
AT EACH END

SECTION "A"

1" NOTCH
AT EACH END

MIN. 1/4⌀ GALVANIZED OR
STAINLESS STEEL ANCHORS
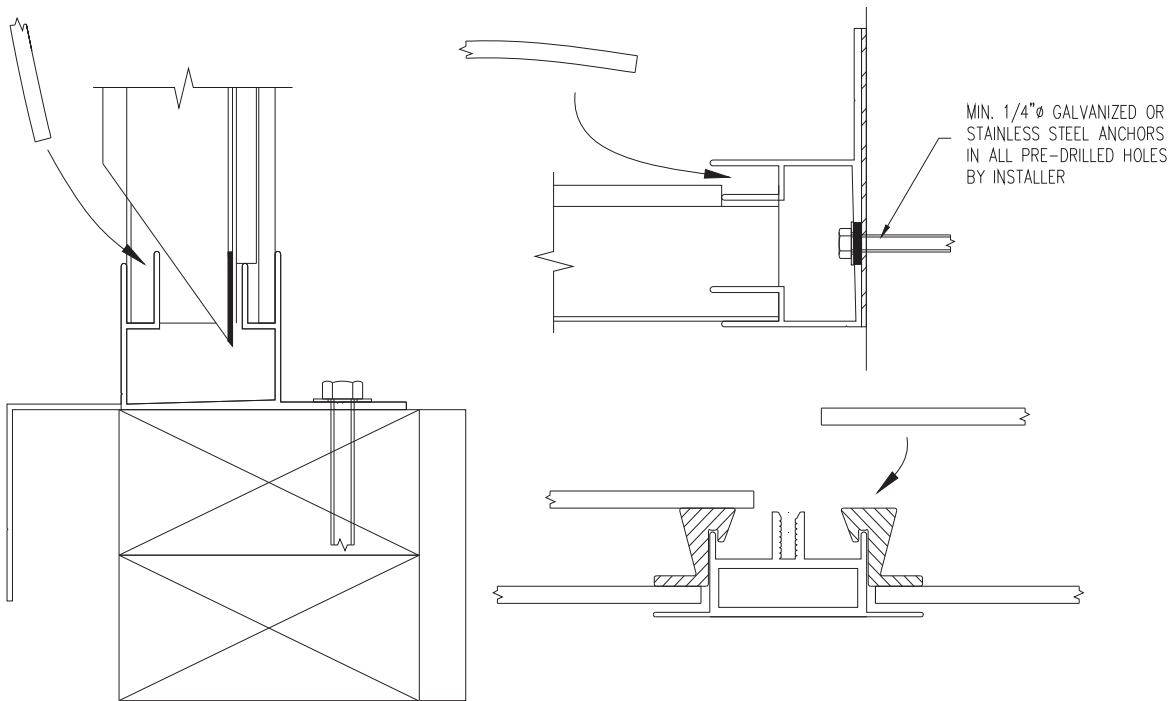IN ALL PRE-DRILLED HOLES
BY INSTALLER

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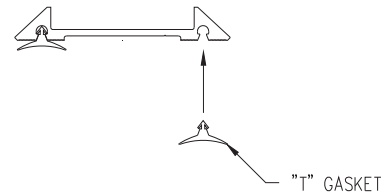
Step 9 – (For Lateral Purlin – If required)
Install purlin gasket into fins on either side of lateral purlin. Purlin gasket to butt into rib divider gaskets.

PURLIN GASKET TO BUTT
INTO RIB DIVIDER GASKET

Step 10 – Bend down glazing over rib & engage into outer glazing slot in header QR sill. Outer glazing should rest on top of rib divider gasket.

MIN. 1/4"ø GALVANIZED OR
STAINLESS STEEL ANCHORS
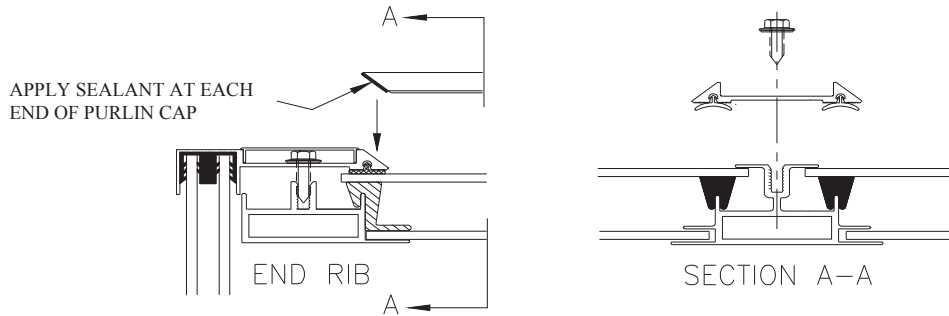IN ALL PRE-DRILLED HOLES
BY INSTALLER

Step 11 – Place rib T-gasket into rib & purlin caps. Start from one side & press the arrow head portion of T-gasket into gasket grooves on rib & purlin caps. See image below.
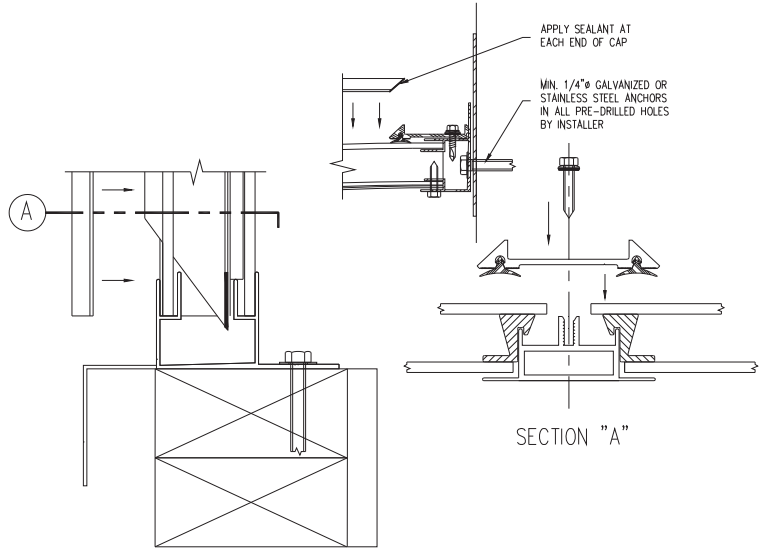
"T" GASKET

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Step 12 – If model has a lateral purlin, install purlin caps first. Apply sealant to ends of purlin caps before placing on purlin. Fasten purlin cap to purlin with ¼-14 x ¾" gasketed screws. (Vertical end shown.)

APPLY SEALANT AT EACH
END OF PURLIN CAP

END RIB

SECTION A—A

APPLY SEALANT AT
EACH END OF CAP

MIN. 1/4"ø GALVANIZED OR
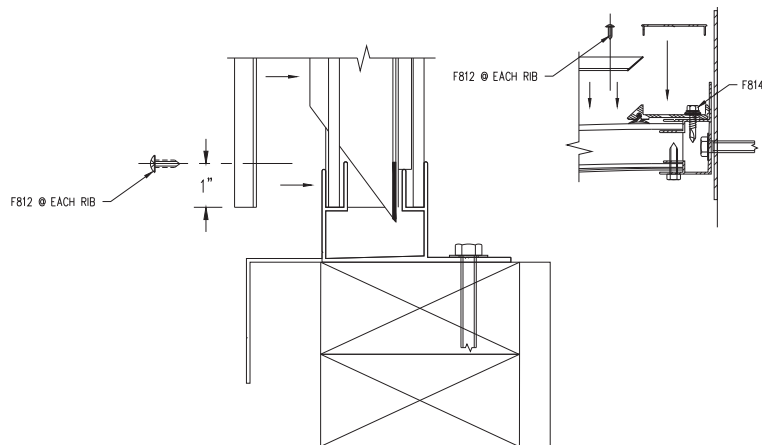STAINLESS STEEL ANCHORS
IN ALL PRE-DRILLED HOLES
BY INSTALLER

Step 13 – Installing Rib Caps
Apply sealant to mitered end of each rib cap before butting rib cap to purlin cap & placing rib cap over rib. Fasten rib caps with ¼-14 x 1 ¼" gasketed screws.

A

SECTION "A"

Step 14 – Install Header Caps as shown below using #14 x ¾" hex head tek screws.

F812 @ EACH RIB

F814

F812 @ EACH RIB

1"

Step 15 – Apply sealant to mitered ends of each rib cap, prior to butting up against header cap and over the rib. Fasten rib caps with ¼-14 x 1 ¼" gasketed screws.
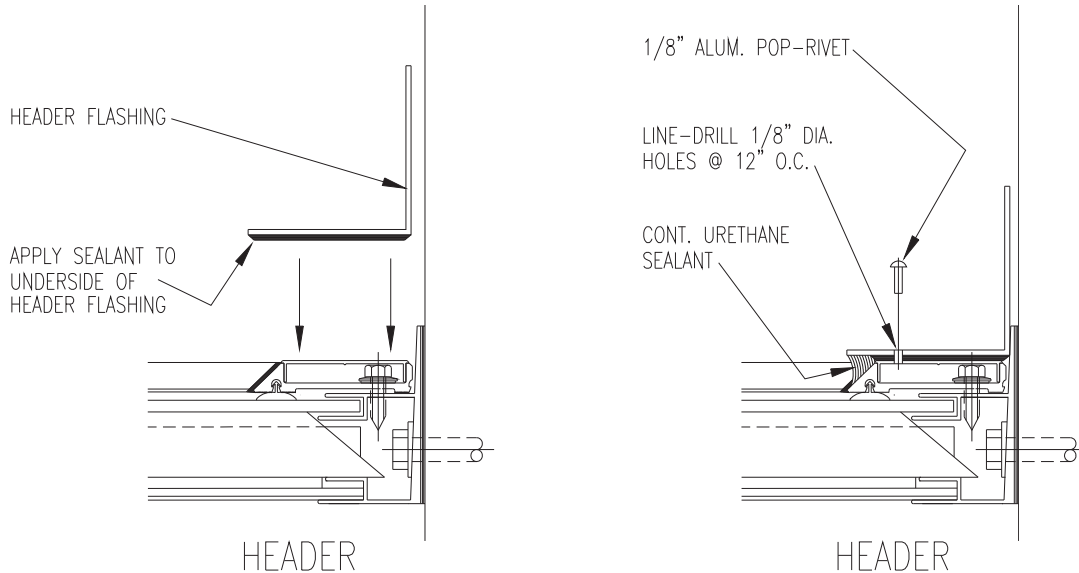
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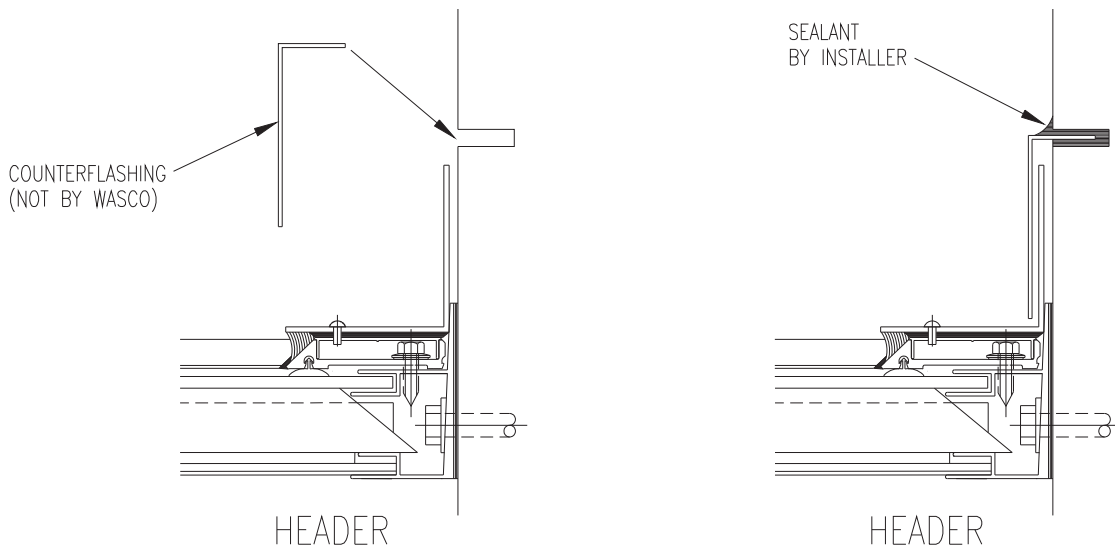
Step 16 – Install Rib & Header Cap
Secure each end of each rafter & header closure cap using #10 x ¾" self drill self tap screws.

Step 17 – Misc. Flashing installation notes

1. Apply sealant to underside of header flashing, then place the header flashing over header closure. Line drill 9/64" dia. pilot holes thru the header flashing & header closure @ 12" on center, install pop rivets.

2. Counter flashing to be installed by others

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