



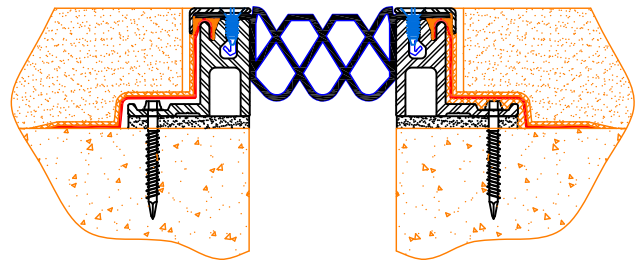
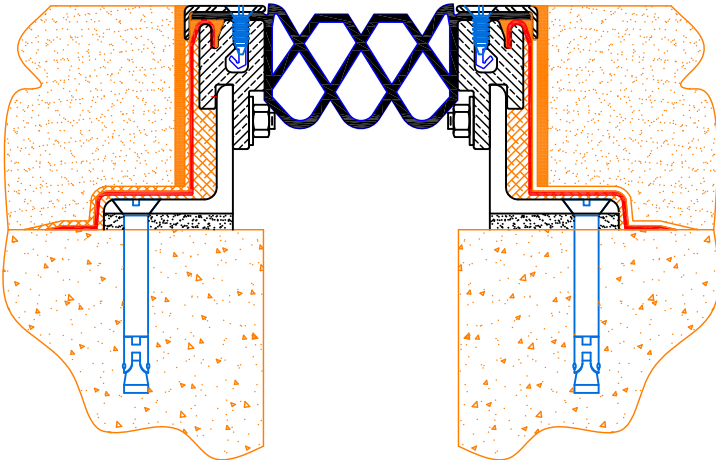
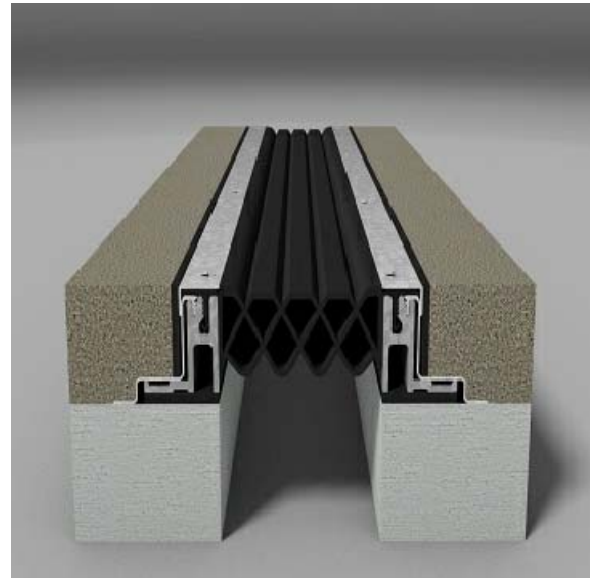
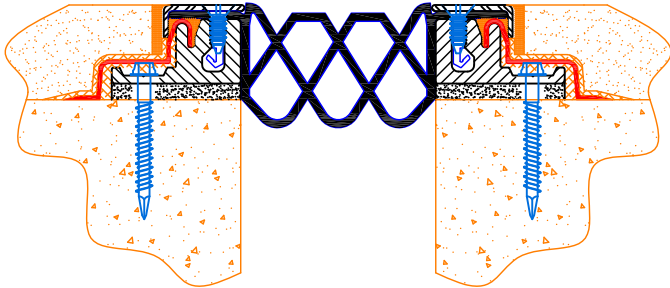
Installation Procedure

Watson Bowman Acme Corp. 95 Pineview Drive Amherst, NY 14228

phone: (716) 691-7566 fax: (716) 691-9239

website: www.wbacorp.com

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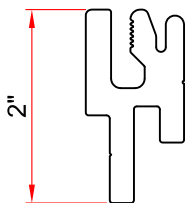
Wabo® Watertite - Traffic Series Model(s) "WT-200/150 thru WT-400/450" Horizontal Expansion Control Systems

The following installation procedure is very important and must be fully understood prior to beginning any work. To ensure proper installation and performance of expansion joint system the following actions must be completed by the installing contractor. Failure to do so will affect product warranty.

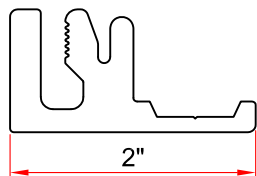
- 1) Carefully read and understand installation procedure. Contact WBA's Technical Service Department at (800) 677-4922 for product assistance.
- 2) Inspect all shipments and materials for missing or damaged components and hardware. Contact Customer Service at (800) 677-4922 with WBA's order number and invoice for prompt assistance.
- 3) Inspect substrate or adjacent construction for acceptance before beginning work. Report unacceptable construction to the project manager to schedule repair work.
- 4) Review WBA shop drawings for project specific detailed information if Engineering services were purchased at time of order.



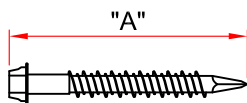
Standard Components For Floor Condition



Aluminum Receiver
P/n: 8203



Aluminum Low Height Receiver
P/n: 8205
(For WT-X/150 Series)

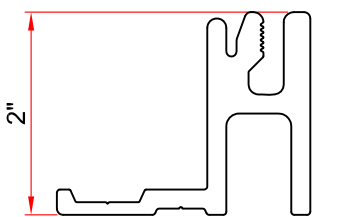


Tapcon Concrete Anchor
(Refer to chart below for size and part number)

Model	P/N	"A"
WT-200/150	6523	1 3/4"
WT-200/250	6524	2 1/4"
WT-400/150	6523	1 3/4"
WT-400/250	6524	2 1/4"

1/4" dia Washer
P/n: 7473

1/4" Dia nut
P/n: 7869



Aluminum Base Member
P/n: 8217
(For WT-X/250 Series)



1/4" X 1 1/4" Screw
P/n: 5514
(For WT-800 Series Coverplate)



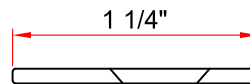
1/4" X 3/4" Screw
P/n: 5738



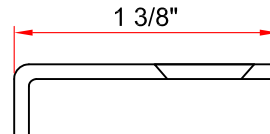
1/4" X 3.0" Concrete Expansion Anchor
P/n: 6582 *



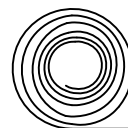
1/4" X 1" Bolt
P/n: 4836



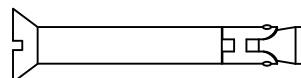
Corner Retainer Cap
P/n: 8211 *



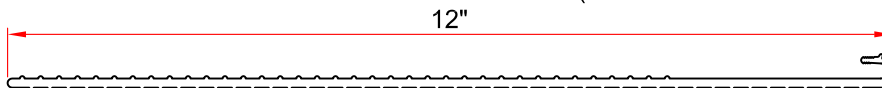
Retainer Cap
P/n: 8210



(Option) Flashing Sheet
P/n: 3164

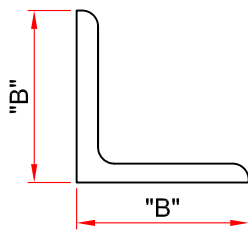


3/8" X 3" Kwik Bolt Concrete Anchor
P/n: 6593
(For WT-X/350 & 450 Series)



PVC Flashing Sheet
P/n: 8216B

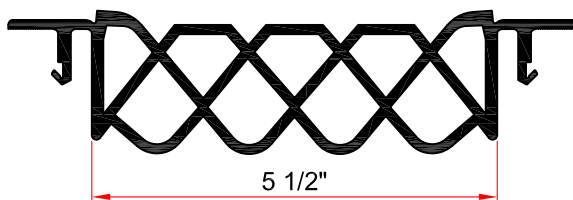
Components shown below vary in size depending on model of system



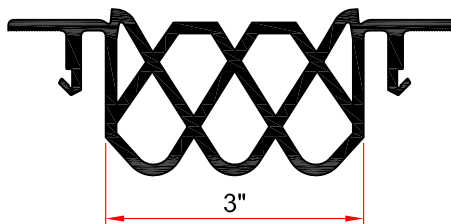
Base Angle

(Refer to Chart below for size and P/n)
Corner Conditions use same size angles

Model	P/N	"B"
WT-200/350	8207	2"
WT-200/450	8206	3"
WT-400/350	8207	2"
WT-400/450	8206	3"



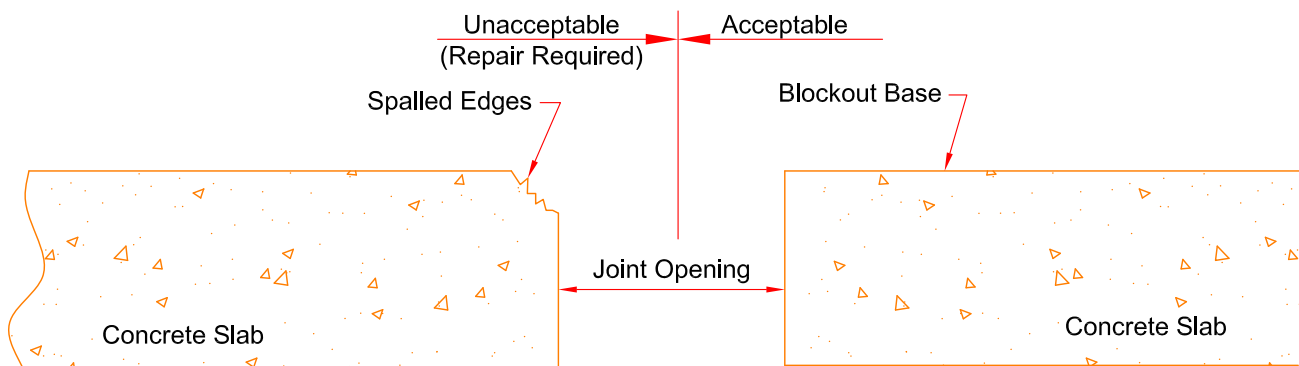
WT-400 Elastomeric Seal
P/n: 8209



WT-200 Elastomeric Seal
P/n: 8200

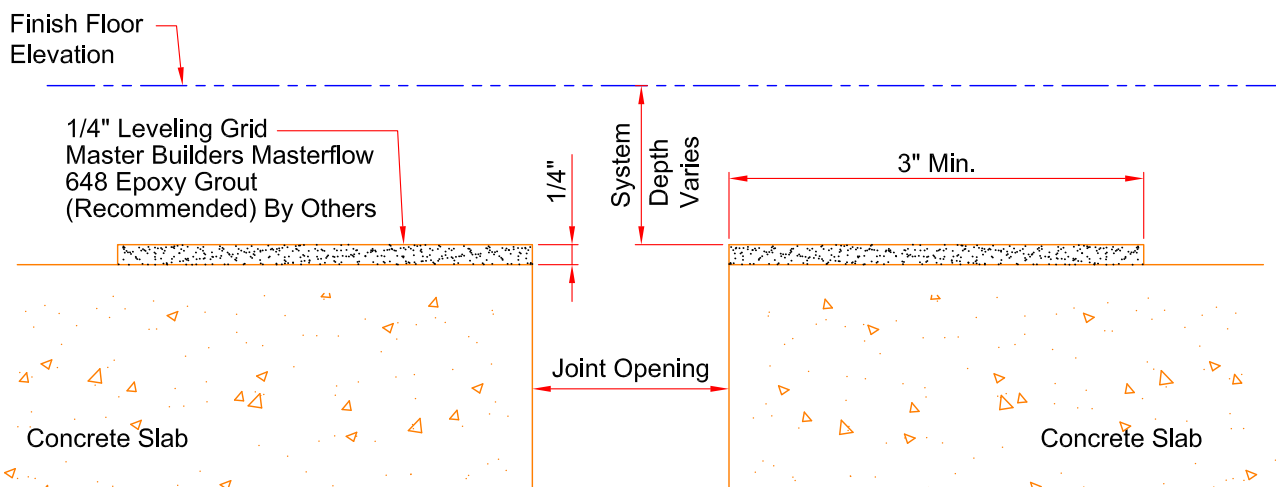
* = Use only for Corner Conditions

Installation Procedure



1

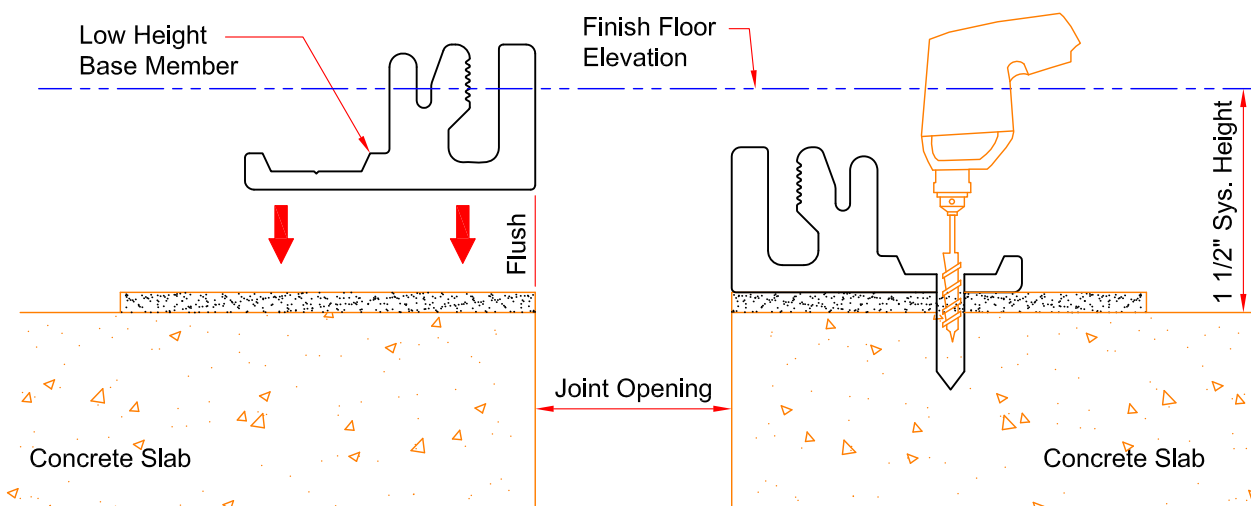
Prepare concrete blockout for installation of Wabo®WaterTite Expansion Control System. Deficiencies in blockout base and spalled edges must be corrected prior to beginning work. **Note:** UTILIZING Wabo®Renew, repair corner of concrete slab following manufacturers written instructions. Request Procedure # WBA 4030 or download from WBA's Website.



2

Prepare concrete blockout for installation of expansion joint. Variations in block out dimensions must be corrected prior to beginning work.

Note: Manufacturer recommends using Master Builders Masterflow 648 Epoxy Grout, 1/4" min thickness to ensure that there is level surface to install expansion control system.



WT200/150, WT400/150

3

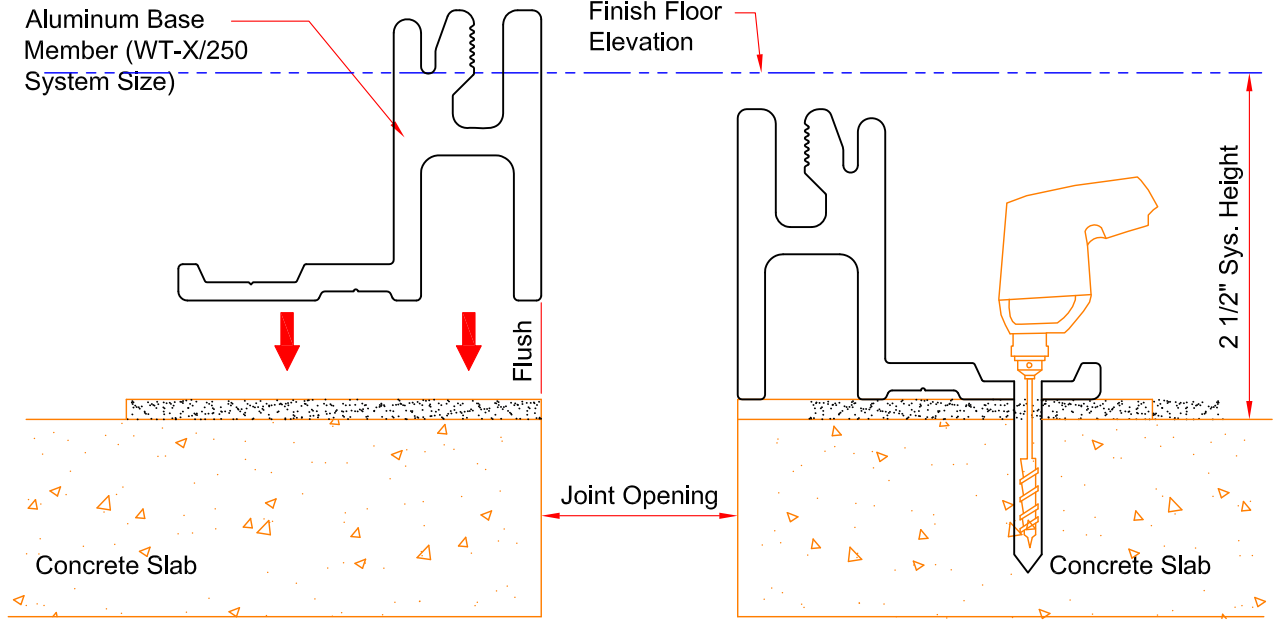
Position Low height base member on blockout so that the low height base member is flush with edge of opening. Use low height base member as a template. With it's position fixed, drill hole for 1/4" x 1-3/4" Tapcon anchor to proper depth. Blow out holes and utilize a Shop-Vac or other similar equipment to ensure that all debris is removed from the anchor hole locations.

Note: Follow Manufacturer's Recommendations for proper Anchor Installation.

Installation procedure: Watertite WT system

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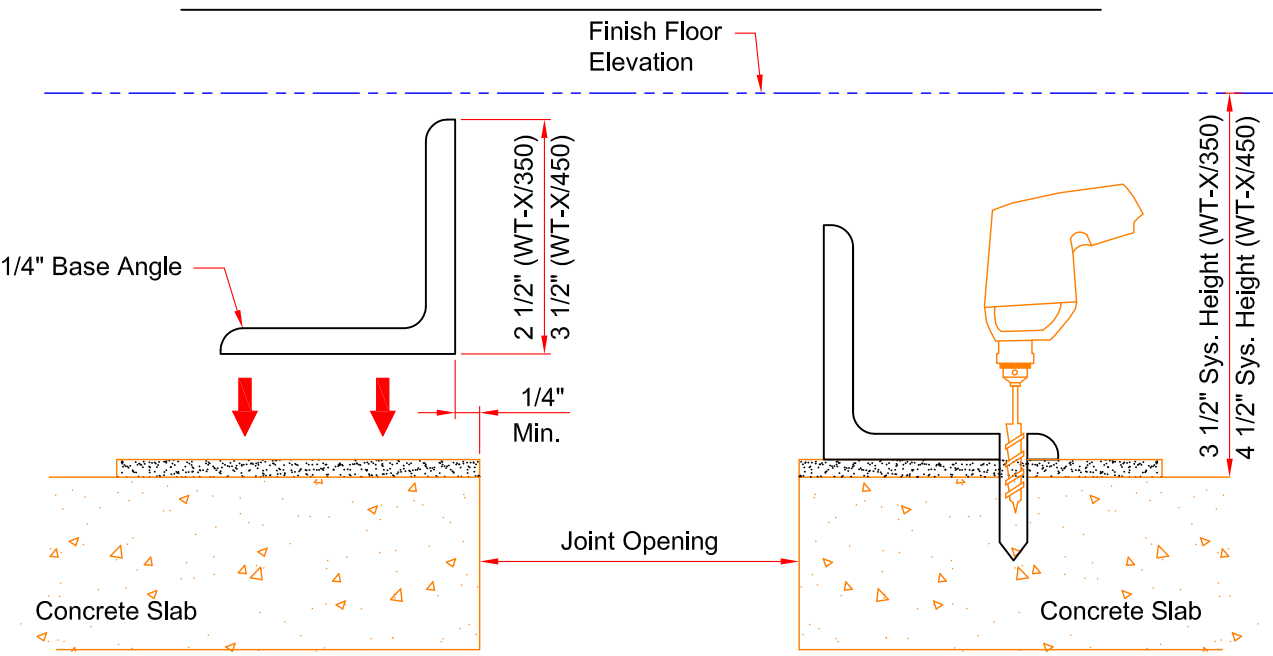


WT200/250, WT400/250

3A

Position Aluminum Base member on blockout so that the base member is flush with edge of opening. Use Aluminum base member as a template. With it's position fixed, drill hole for 1/4" x 2-1/4" Tapcon anchor to proper depth. Blow out holes and utilize a Shop-Vac or other similar equipment to ensure that all debris is removed from the anchor hole locations.

Note:
Follow Manufacturer's Recommendations for proper Anchor Installation.

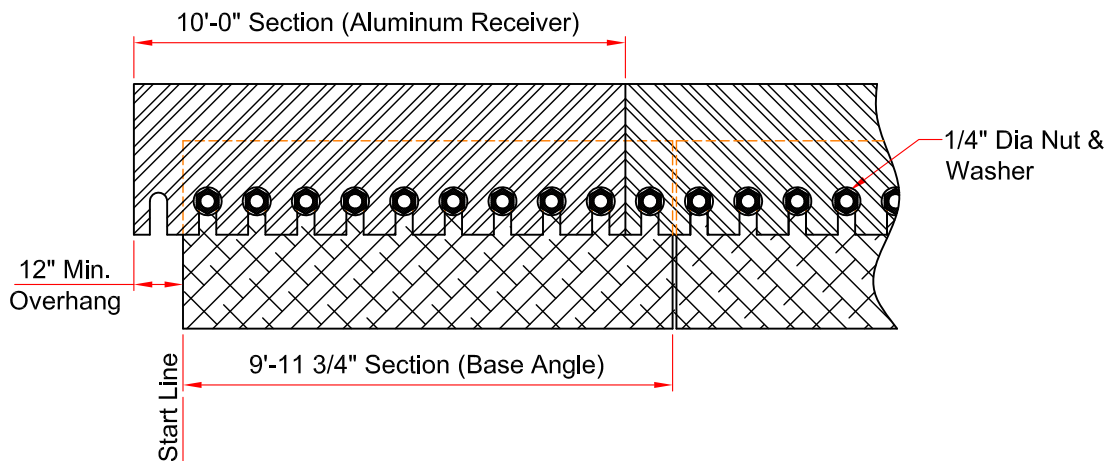
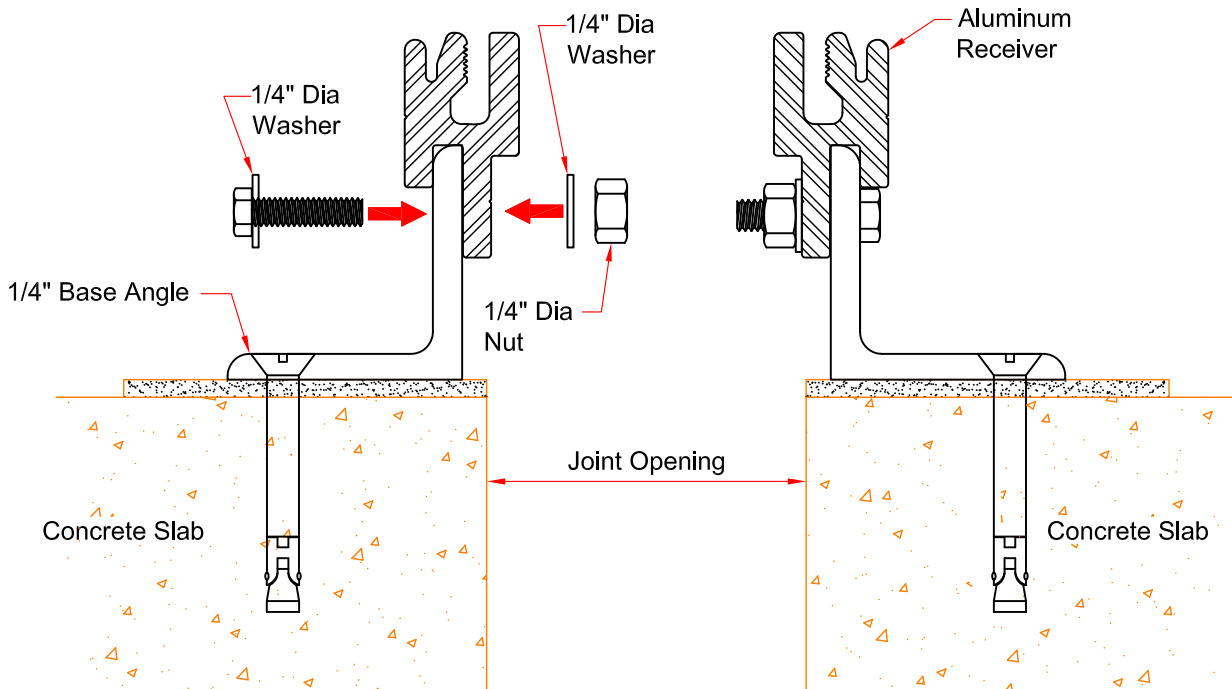


**WT200/350, WT400/350
WT200/450, WT400/450**

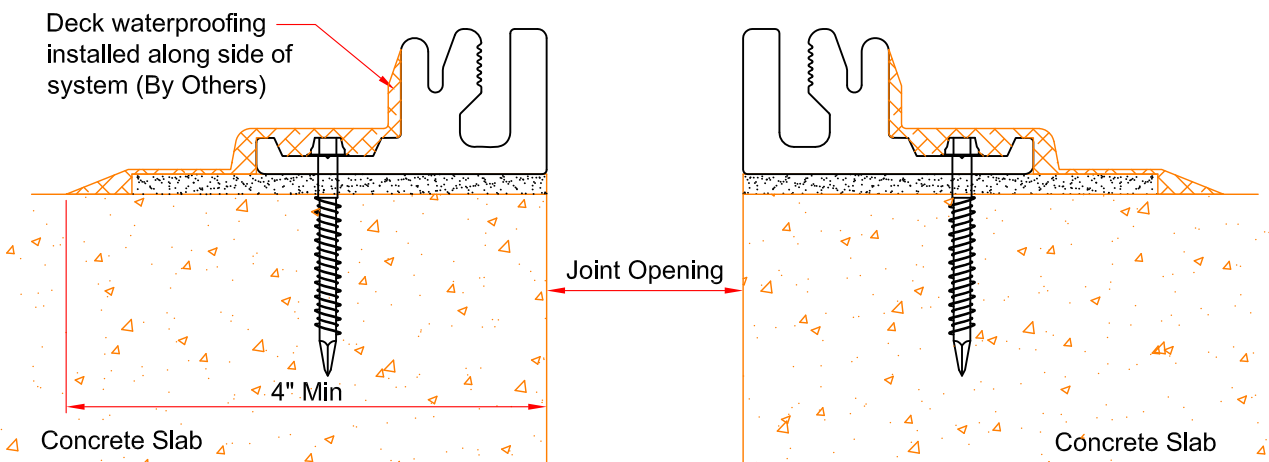
3B

Position 1/4" base Angle on blockout so that base angle is recessed 1/4" from edge of opening. Use 1/4" Base angle as a template to drill anchor locations in concrete slab. With it's position fixed, drill hole for 3/8" x 3" Kwik Bolt Concrete anchor to proper depth. Blow out holes and utilize a Shop-Vac or other similar equipment to ensure that all debris is removed from the anchor hole locations.

Note:
Follow Manufacturer's Recommendations for proper Anchor Installation.

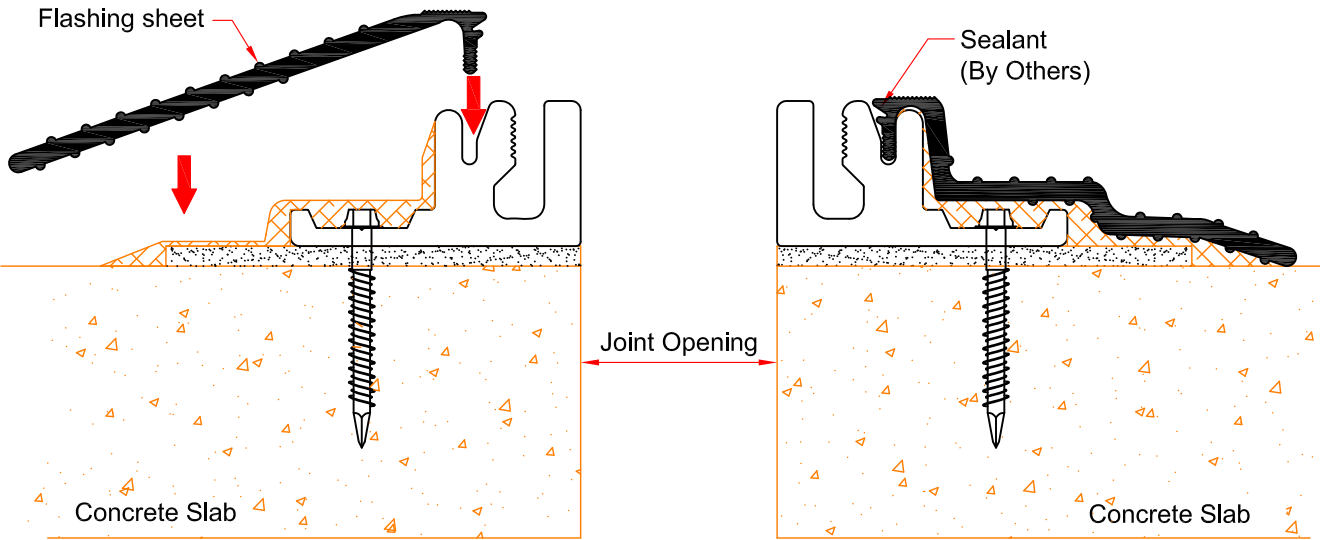


4 Insert 1/4" x 1" lg bolt into slots provided in the steel angle to ensure proper fit of the aluminum extrusion on the steel angle. Once Aluminum extrusion has been placed on the steel angles, make sure that there is a 12" Min overhang between the aluminum receiver and the base angle. This is to ensure that the splice lines will be staggered. Using a permanent marker draw a line in the aluminum receiver where the excess aluminum receiver shall be cut. Once aluminum receiver has been cut, line up aluminum receiver slots with the 1/4" bolt on the base angle. Utilizing the 1/4" Dia washer on each side of the angle and nut fasten the receiver to the base angle. When securing the receiver to the base angle, ensure each nut and washer is tightened securely to the base angle.



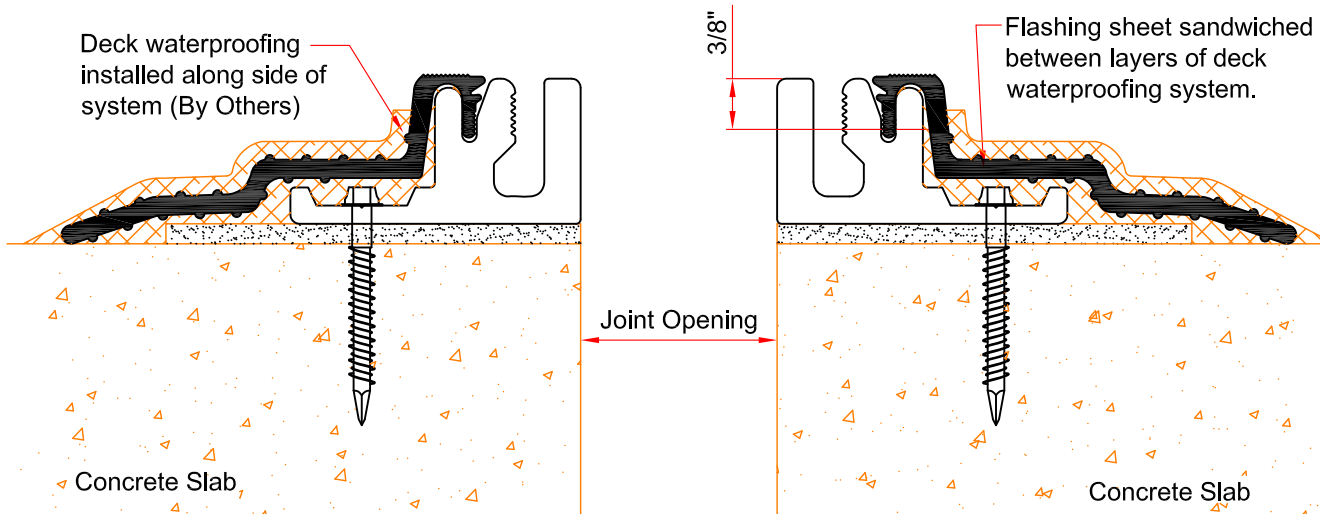
5 Install deck waterproofing material along the concrete slab and side of the aluminum extrusion. **Caution:** Contact Deck Waterproofing Manufacturer to discuss product application and procedure for proper installation.





6

Once first layer of deck waterproofing material has been installed, the Flashing sheet may be installed. Push in edge of flashing sheet into the cavity of the aluminum receiver as shown above. Once the edge of the flashing sheet has been inserted into the cavity, let the remaining flashing sheet lie on top of the deck waterproofing material.
(Optional - When using Optional flashing sheet or other manufacture's flashing sheet, apply a bead of sealant along top edge of flashing sheet and aluminum extrusion to ensure a watertight finish.)



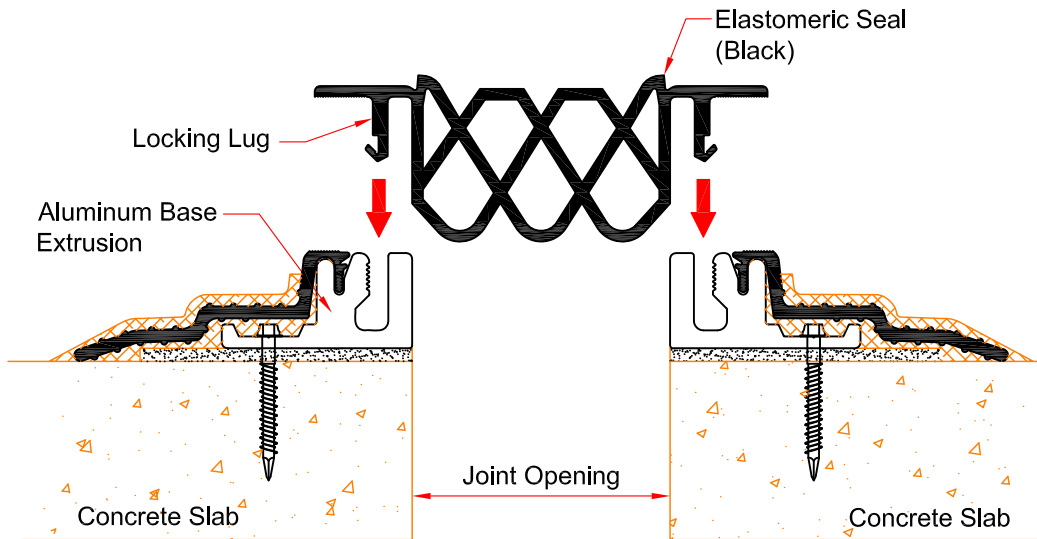
7

Once flashing has been installed, a second layer of deck waterproofing material can be installed over the flashing sheet to sandwich along the concrete slab and side of the aluminum extrusion.
Caution: Contact Deck Waterproofing Manufacturer to discuss product application and procedure for proper installation.

Installation procedure: Watertite WT system

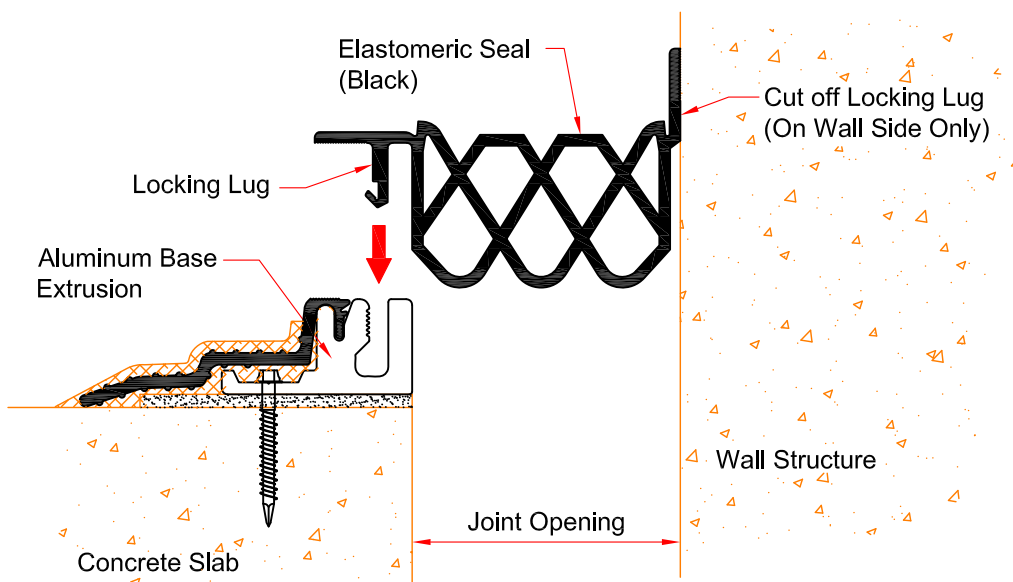
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WT200/150,350,450
WT400/150,350,450

8 After all deck waterproofing has been installed, now the Elastomeric Seal can be installed. Start by taking the locking lug on the elastomeric seal and push it into the cavity on the aluminum base member. The seal will snap into place when fully inserted into the cavity.



WT200/150C,350C,450C
WT400/150C,350C,450C

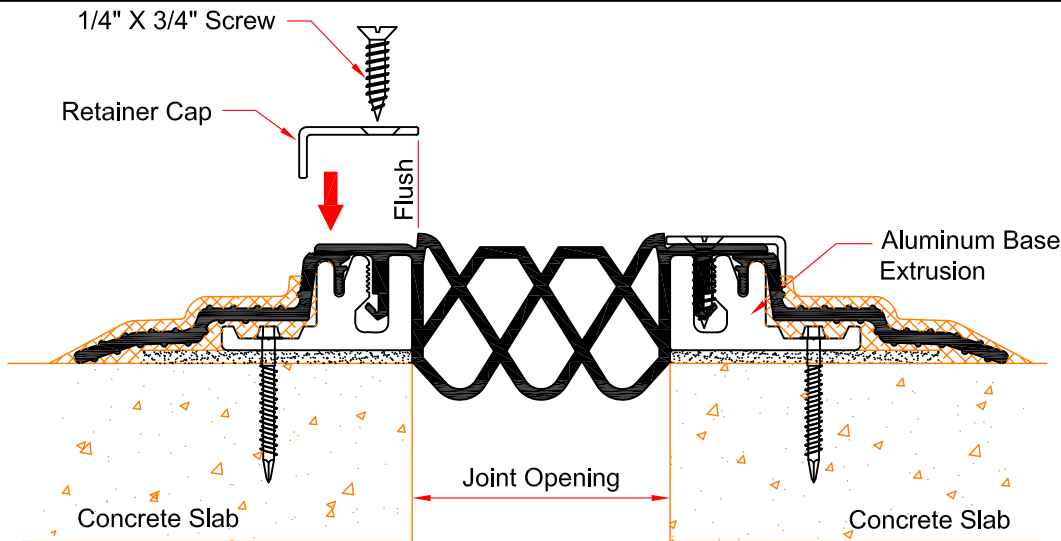
8A **Corner Installation:** Utilizing a sharp utility knife cut off locking lug on wall side only as shown above, exercising care not to damage seal. Start by taking the locking lug on the elastomeric seal and push it into the cavity on the aluminum base member. The seal will snap into place when fully inserted into the cavity.

Note: On wall side utilize duct tape (By Others) to temporarily hold seal in place till corner retainer cap is installed.

Installation procedure: Watertite WT system

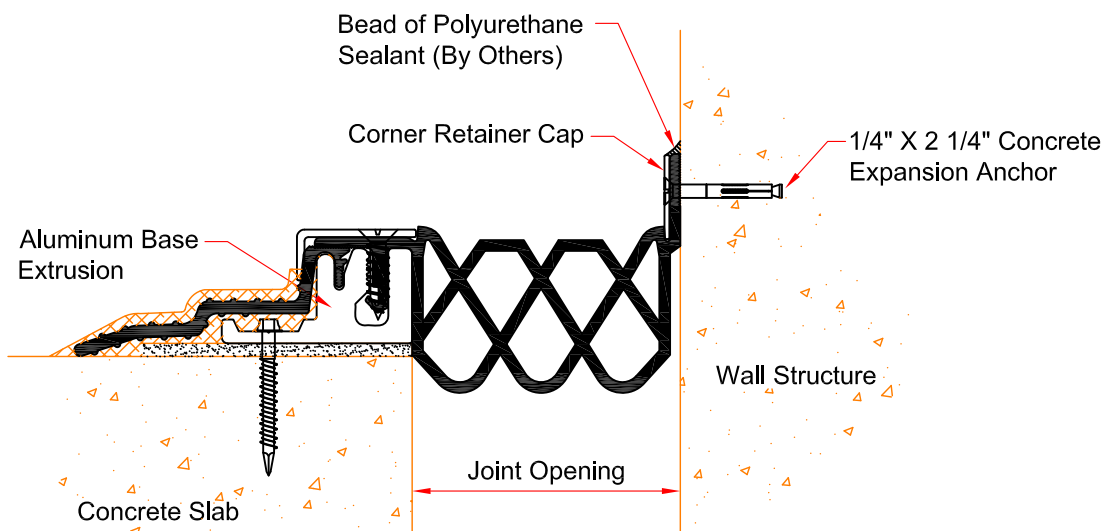
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WT200/150,350,450
WT400/150,350,450

9 Position retainer cap so that it lays flat on the top side of the seal flap as shown above. Then push the side of the retainer cap so that the edge of the cap is flush with the top of the seal. Utilizing the 1/4"x3/4" Lg screws provided, fasten retainer cap at predrilled locations. When installing the screws for the retainer cap make sure that they are flush with the top of the cap.



WT200/150C,350C,450C
WT400/150C,350C,450C

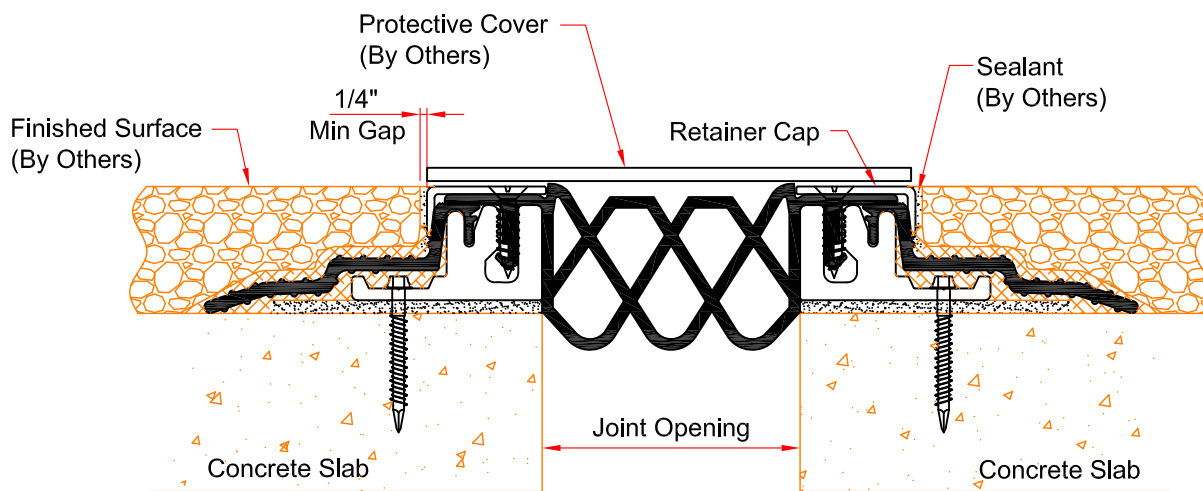
Position retainer cap so that it lays flat on the top side of the seal flap as shown above. Then push the side of the retainer cap so that the edge of the cap is flush with the top of the seal. Utilizing the 1/4"x3/4" Lg screws provided, fasten retainer cap at predrilled locations. When installing the screws for the retainer cap make sure that they are flush with the top of the cap.

9A

Corner Installation: Position corner retainer cap so that it sits flush with the top of the seal flap. Utilizing the 1/4" x 2 1/4" Lg concrete anchor fasten the corner retainer cap to the adjacent wall surface. Follow Manufacturer's Recommendations for proper Anchor Installation. After corner retainer cap has been installed, remove all visible duct tape that served as a temporary fastener of seal against wall surface. Apply a bead of sealant (By Others) along top edge of corner retainer cap to ensure a water tight connection.

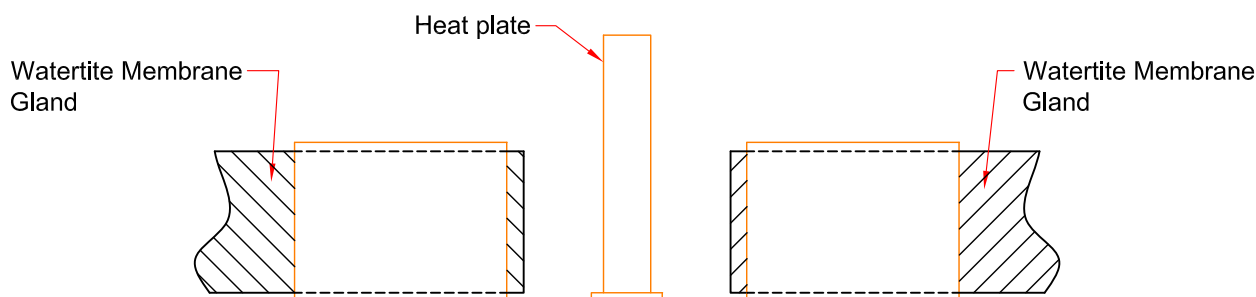
Installation procedure: Watertite WT system

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10

After retainer caps have been installed, the finished surface may be installed. Apply a protective cover over the retainer cap and elastomeric seal to ensure that there will be no damage to expansion joint system during finished surface installation. Make sure that there is a 1/8" gap between the finished surface and retainer cap. Apply sealant (By Others) along gap line.



11

Recommended Method:

- Using a miter box and back saw with no teeth cut seal ends square.
- Preheat heat plate to 425°, Approximately 5 minutes.
- Insert seal into gland molds leaving 1/2" overhang off one end of the mold. Slowly move seal face to touch the heat plate. Leave the gland touching the heat plate for about 1-2 minutes or until material edge starts rolling back (Melting).
- Remove seals from heat plate, align webs and outside face of seals together. Once edges have been aligned apply enough pressure to cause the ends of the glands to slightly protrude upwards. Allow approximately 3 to 4 minutes of cure time prior to releasing pressure.

Secondary method:

- Using a miter box and back saw with not teeth cut seal ends square.
- Clean ends of seal and apply PP Primer. Allow PP Primer to dry for 2 minutes before applying 241F adhesive.
- Apply 241F Adhesive to one side only and hold seals together for 45 seconds. Let cure for 2-3 minutes. (For best results, bond small portions of the seal at a time)
- Splice will reach full strength in 24 hours.

Touch Up:

Using soldering gun with a flat tip, run along the splice to make any touch ups. Careful not to burn any holes in the seal.



241F Adhesive
(P/n: 2716)



Heat Plate



PP Primer
(P/n: 2717)

Installation procedure: Watertite WT system

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