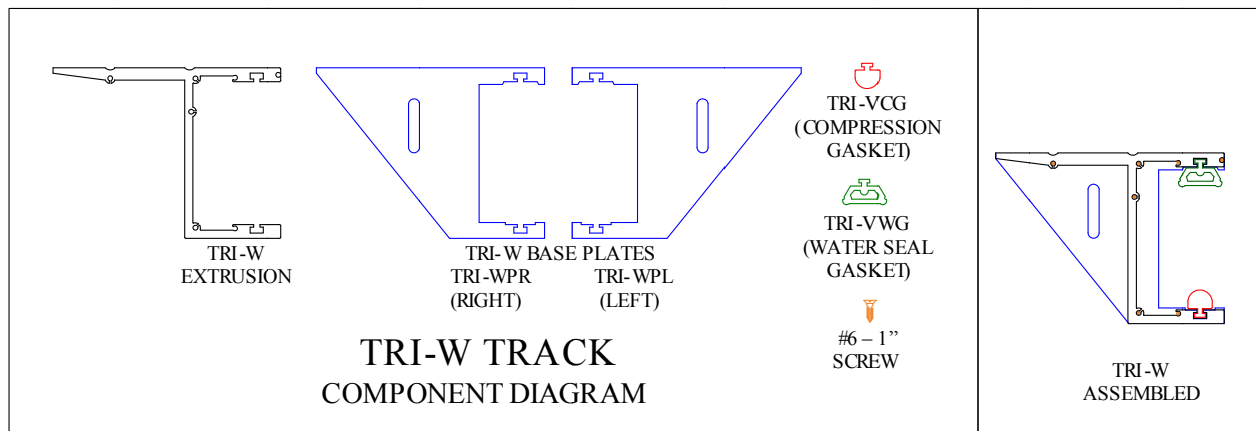
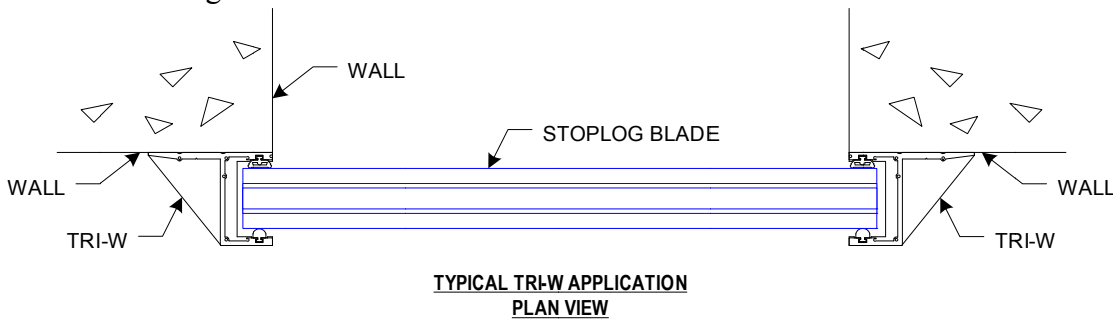




TRI-W: End Track for wall or face mount connections on multiple span applications

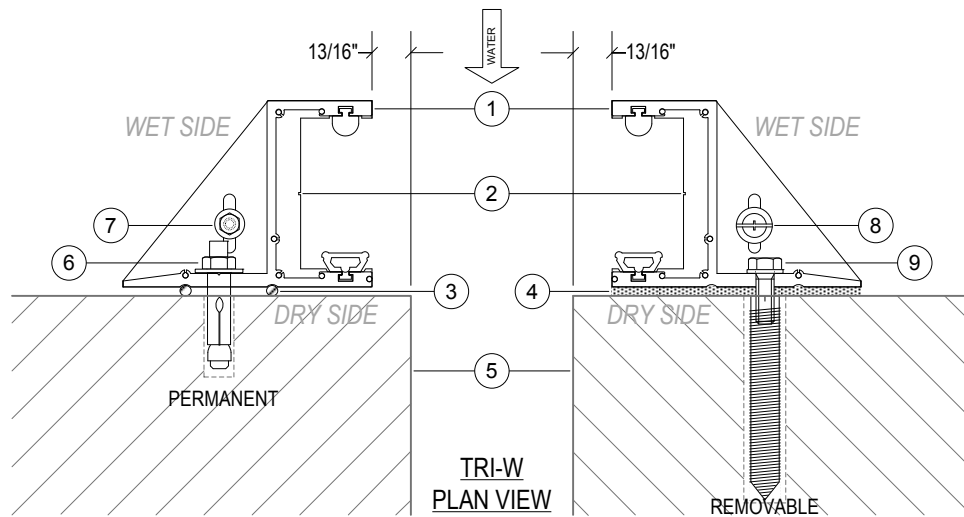
Description:

The TRI-W connects directly to the structure and is the end termination for multiple span StopLog applications. The TRI-W allows the stoplog blades to run parallel to the surface the track is attached to. Common applications would be door openings or single span window / storefront coverage.



Primary Components:	Secondary Components:	Installation Parts:
Extrusion: TRI-W (Wall Mount Extrusion)	Fabrication: 1. #6 - 1" Tapping Screw 2. 3M 4400 UV Adhesive	Permanent Installation: 1. Hilti KB-TZ 1/2" x 3 1/4" 2. 3M 4000 UV 3. Tapcon 1/4- 1 3/4"
Base Plates: TRI-WPR (Right Side Base) TRI-WPL (Left Side Base)		Removable Installation: 1. Hilti HIS 3/8" 2. Hilti HIT-RE 500 3. 3/8" x 1 1/2" SS Bolt 4. 3/8" SS Washer 5. 3/8" x 1" SS Cover Bolt 6. 3/16 EPDM Rear Gasket 7. Sidewalk Bolt 1/4" x 1" 8. Elco Snake 3/8"
Gaskets: TRI-VCG (Compression) TRI-VWG (Water Seal)		

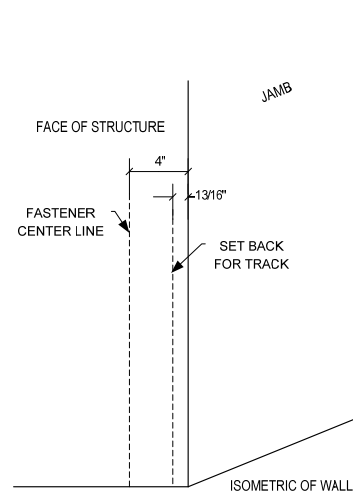
Tri-W Installation Type Diagram



- | | |
|--|--|
| 1. TRI-W End Track | 6. Permanent Fastener – Hilti Kwik Bolt TZ SS |
| 2. Notch -Barrier Centerline Reference | 7. Tapcon |
| 3. Sealant Recess | 8. Removable Fastener – Hilti HIS-RN |
| 4. Gasket | 9. Eleco Snake Fastener with 1/4”-20 Sidewalk bolt |
| 5. Mounting Structure | |

Installation of the TRI-W End Track:

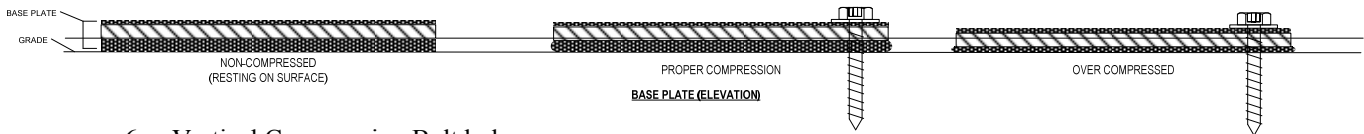
1. Locate installation area where the TRI-W will be attached by dry fitting track to structure
 - a. The track will be off-set from the corner 13/16”, this will allow for Minimum Fastener Edge Distance is 4”
 - i. Any cladding on the structure, such as stucco, needs to be accounted for and is not included within the edge distance provided.
 - ii. Mark 13/16” track off-set with a pencil line
2. Repeat for other side using the same steps
3. Place the track back to mounting location and mark around TRI-W perimeter with a pencil, to insure consistent track placement and remove track.
4. Clean the marked out mounting area of debris and check horizontal and vertical mounting planes
 - a. Surfaces need to be clear of debris and any chemical residue.
 - i. If a solvent is needed, MEK should only be used.
 - b. Sealing surfaces need to semi-smooth and flat. Remove any protrusions until the track makes a uniform vertical and horizontal connection to the mounting surface.



- i. Continuous contact of the track and mounting surface is necessary to make water seal. Grinding of the structural surface may be required.

5. Place track back into mounting area and set **Base Plate**

- a. Drill a hole for a 1/4" Tapcon in the center of the base plate slot. track the profile
- b. Remove track and clean out concrete debris from whole
- c. Reset track into position and install Tapcon with S.S. washer – It will need to be tensioned until the bottom gasket starts to show compression (slight bulging past the middle aluminum plate)

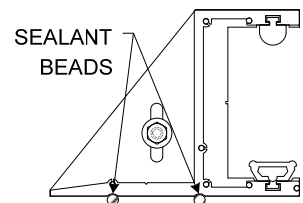


6. Vertical Compression Bolt hole

- a. With Base Plate compressed mark the location of the vertical bolt holes.
- b. Remove Tapcon and track
- c. Drill and clean-out the vertical bolt holes
 - i. PERMANENT MOUNT – 1/2" x 3 1/4" (CONTINUE TO STEP 7 -8)
 - ii. REMOVABLE MOUNT- 11/16" x 4 3/8" (CONTINUE TO STEP 9 -12)
- d. Clean mounting area of any concrete residue

7. (PERMANENT MOUNT ONLY) Apply Sealant to Track Insure that the rear of the track is clean and free of any chemical residue. (MEK solvent to be used as needed)

- a. Open sealant and place two bead lines within the sealant depressions on the rear of the track
 - i. The bead size should place enough sealant to ensure that it expands past the sealant depression when compressed
 - ii. Bead lines need to be continuous starting at the Bottom and Terminating 1" from the top of the track. (This prevents squeeze-out at the top of the track and is above the protection height of the barrier)
 - iii. Note: Sealant is not intended to fill voids (variations out of the continuous plane). If the track does not make a consistent contact along the vertical structural surface. Remove track and grind structural surface until continuous contact is achieved.



8. (PERMANENT MOUNT ONLY) Reset track into mounting area and manually compress sealant against vertical surface

- a. Reset Tapcon and washer and compress until the vertical anchor holes are in line with the holes drilled into the structure.
- b. Insert Compression Anchors through the track into the vertical mounting holes.
 - i. Tighten Compression anchors until firmly seated.

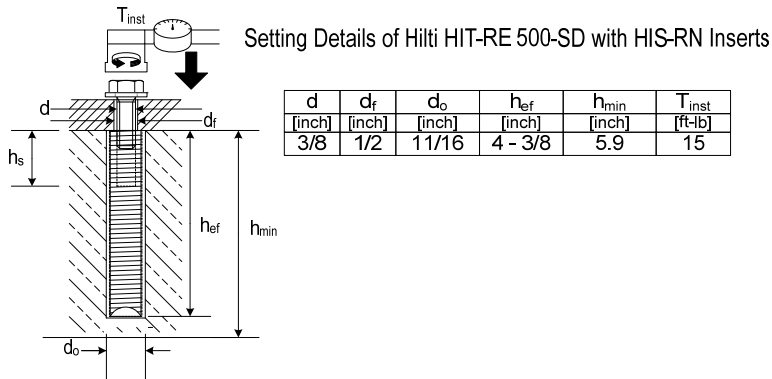
9. (REMOVABLE MOUNT ONLY) Install the 3/8" HIS-RN internally threaded anchors with HIT-RE-500-SD epoxy. Reference Hilti Internationals product information for installation procedures.

10. (REMOVABLE MOUNT ONLY) At Tapcon location on the floor, using it as center mark, increase hole size to 7/16" x 2 1/4"

- a. Clean out hole of all debris and concrete dust.
- b. Using an impact gun and hex bit, drive the Elco Snake Fastener to just below flush.

11. (REMOVABLE MOUNT ONLY) Place track into position

- a. Insert 1/4"-20 bolt and washer into Elco Snake, at ground, tighten to compress
- b. Insert 3/8"-16 bolts and washers into HIS-RN, vertically, and FINGER TIGHTEN
 - i. IMPORTANT – ONCE VERTICAL BOLTS ARE FINGER TIGHT, EASY 1/4"-20 BOLT AND FINISH TIGHTENING THE 3/8"-16 BOLTS.
- c. Once all vertical bolts are tightened, tighten 1/4"-20 bolt, at ground.



12. (REMOVABLE MOUNT ONLY) When track is removed, cover bolts need to be installed to protect anchor and provide finished look
 - a. HIS-RN received 3/8"-16 x 1" sidewalk bolts
 - b. Elco Snake receives 1/4"-20 x 1" sidewalk bolts
13. Track installation is complete
 - a. Allow 24 hours for the sealant/epoxy to cure prior to utilizing the Triton System.
14. If this is a Multiple Span Opening (using center post(s))
 - a. Snap a chalk line between the notches in base plates

This is the Center Line of the barrier. The fasteners will be located on this line and all other components will be referenced from this layout