

Masonry Through Wall Flashing Details

2.a Masonry Cavity Wall Construction at Ledges and Ledge Risers:

NOTE on Fastened Air Barriers: *If there is a fastened air barrier of any kind covering the backing wall, cut and fold it in an upward position to expose the area that will receive the flashing.*

After the TWF has been installed, drape the air barrier over the TWF and trim the bottom edge even with the lower edge of the Termination Strip. Apply air barrier tape along the bottom edge of the air barrier and onto the face of the TWF with the skip-tape method.

If there is an adhered or fluid applied air barrier on the backing wall, best practice would be to apply the TWF parts over that material. [Poly Wall© fluid applied air barrier](#) can be applied after TWF installation.

To **integrate** below grade waterproofing/dampproofing with the TWF/Air Barrier: install the below grade materials to interface with a minimum of 2-inches of the TWF/Air Barrier.

Set the elevation for draining the TWF above anticipated snow and rain load accumulations.

The term masonry in these instructions includes Clay, CMU, Cast Stone, and Natural Stone with a nominal bed depth of 4-inches or more.

Substitute the words *Polyguard AlumaFlash* for [Polyguard 400 TWF](#) when UV exposure will be more than 60 days.

Images show [1-inch Counters](#) for ledges exposed to pedestrian traffic. Substitute [Drip Edge](#) for 1-inch Counters when ledges are not exposed to pedestrian traffic.

Prepare the surfaces that will receive flashing as per [Preparing Surfaces to Receive Adhesive Backed Flashing](#).

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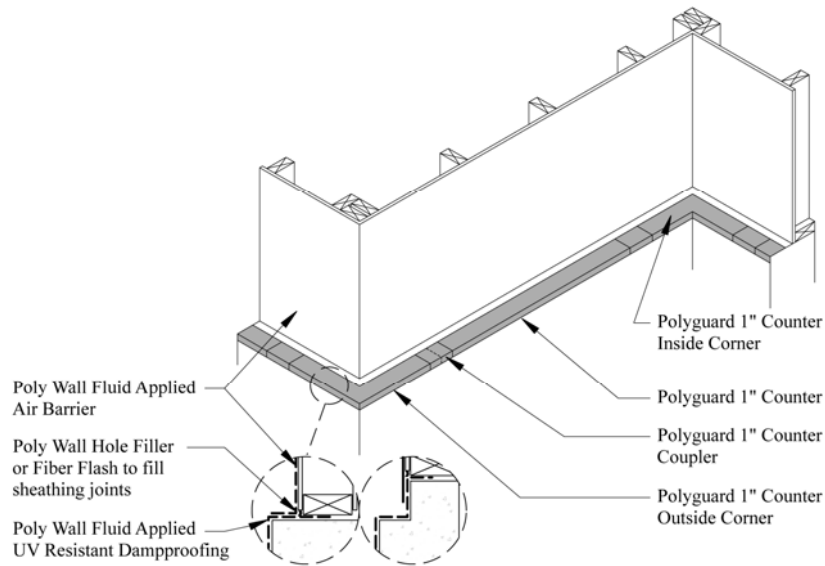


Figure 2.a.1 Step 1 – Counters, Fittings, and Couplers

Step 1: Install Polyguard 1-inch Counters, Fittings and Set ‘N Seal Couplers along ledges as follows:

Align the Counter on the ledge with the bend in the Counter along the forward edge of the ledge. Allow a 3/16-inch space between sections.

Join 1-inch Counter sections together by:

- Removing the release paper from the Coupler;
- Centering the Coupler over the joint;
- Hooking the open hem of the Coupler onto the hem of the installed sections and;
- Rotating the Coupler onto the top of the installed sections.
- Using hand pressure to seal the Coupler to the installed pieces.

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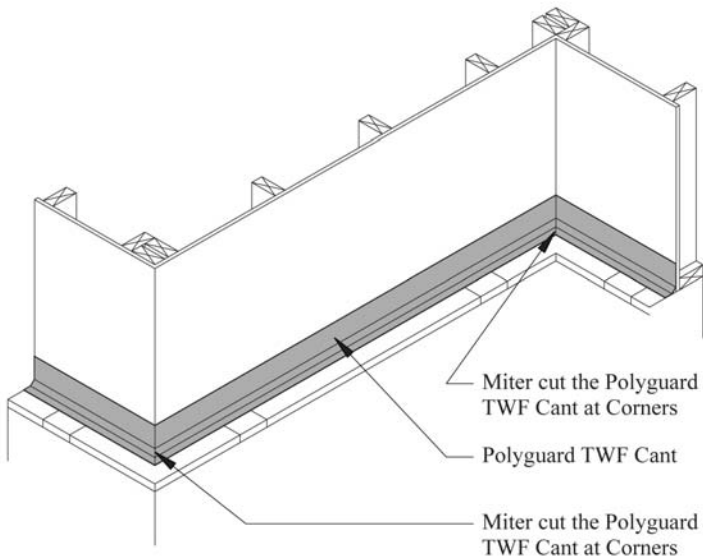


Figure 2.a.2 Step 2 – Cants

Step 2 Install a cant along the length of the backing wall to ledge intersection using either mortar or Polyguard TWF Cants. If mortar is selected, allow it to cure for 48 hours before proceeding to Step 3. Install illustrated TWF Cants as follows:

Shape TWF Cants along their bending slits, remove the release paper and adhere the TWF Cants to the wall and ledge/drip with the diagonal leg sloped at about a 45-degree angle. Butt ends together and miter cut corners. Trim the forward edge of the TWF Cant to be under no more than $\frac{3}{4}$ -inch of the eventual veneer.

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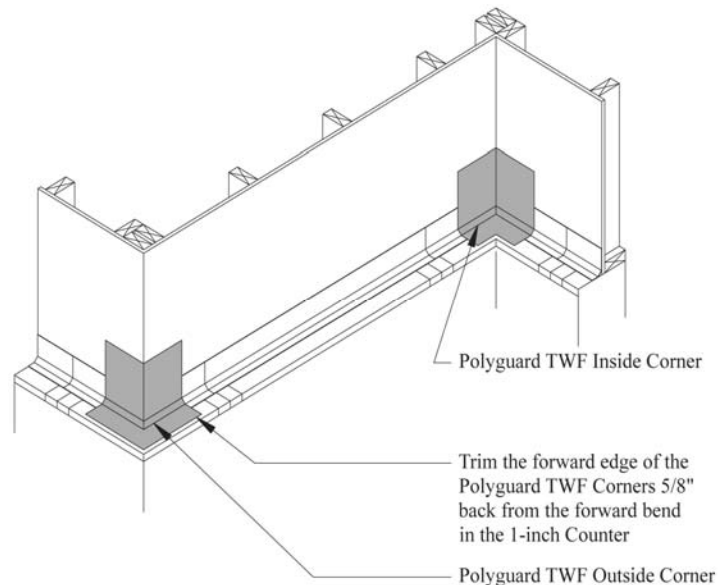


Figure 2.a.3 Step 3 – Corner Flashing

Step 3 Flash Inside and Outside Corners with [Preformed Inside](#) and [Outside Corner](#) as follows:

(Alternate procedure for field forming [Inside](#) and [Outside](#) Corner flashing):

Open a Polyguard Preformed TWF Corner and place it onto the wall corner. Hold the piece in place and press it into uniform contact with the undersurfaces. Mark an outline along the top and side of both of the corner legs. These lines will be used as a reference during the installation.

Peel down about 4-inches of release paper from the top and toward the open side of one of the corner legs. Lightly adhere the exposed area with the top and side edges of that section aligned along the outline. Double-check the alignment and fit of the rest of the preformed corner. Readjust the fit as needed. Continue peeling away the release paper and adhering the flashing.

Peel down about 4-inches of release paper from the top of the remaining corner. Lightly adhere and smooth that section outwardly from the corner. Continue lightly adhering outwardly from along the corner as the remaining release paper is peeled away in sections.

Trim the forward edges of the flashing to 5/8-inch behind the bend in the Counter.

Apply pressure to the surface of the flashing with a rubber roller.

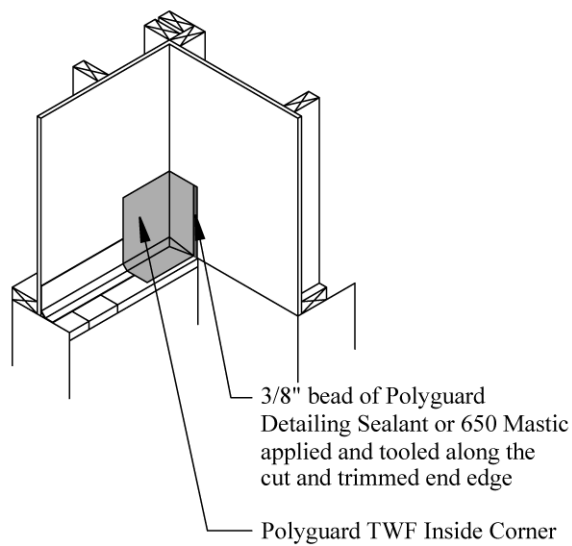


Figure 2.a.4 Step 3 – Corner Flashing at Closed End

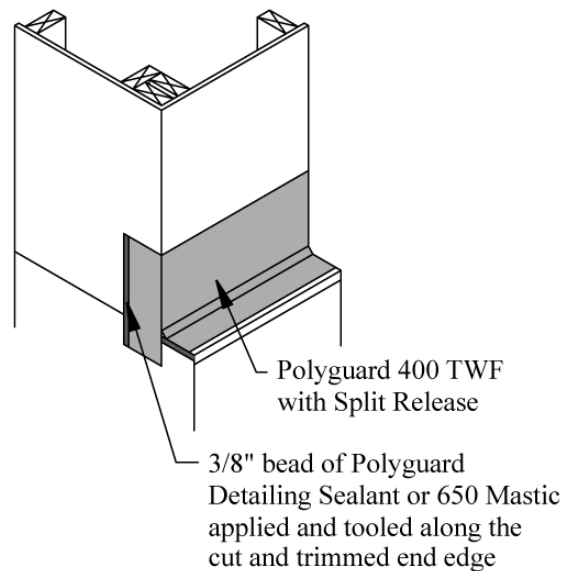


Figure 2.a.5 Step 3 – Corner Flashing at Open End

Flash a closed end of a veneer wall as follows:

Trim the end of an installed Polyguard Preformed TWF Inside Corner in an upward alignment with the face of the ledge. Apply Polyguard Detailing Sealant or 650 Mastic along the cut and tool it to a uniform and even coverage.

Terminate and apply Detailing Sealant or 650 Mastic along the top edge as later instructed.

Flash an open end of a veneer wall in the following manner:

Trim the flashing so that it will wrap 4-inches onto the intersecting wall. Trim the ledge end 5/8-inch from the end of the wall and trim the forward edge to 5/8-inch behind the forward bend in the Counter.

Apply Polyguard Detailing Sealant or 650 Mastic along the cut edges and tool to a uniform and even coverage when terminating and applying Detailing Sealant or 650 Mastic along the top edge as later instructed.

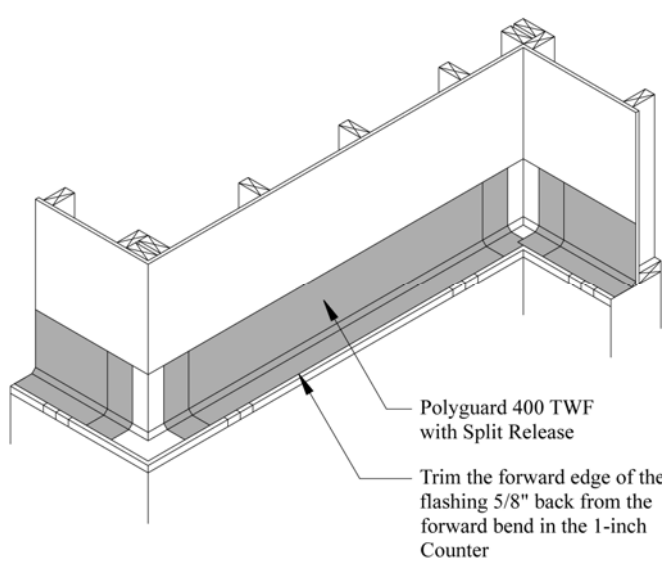


Figure 2.a.6 TWF with Split Release

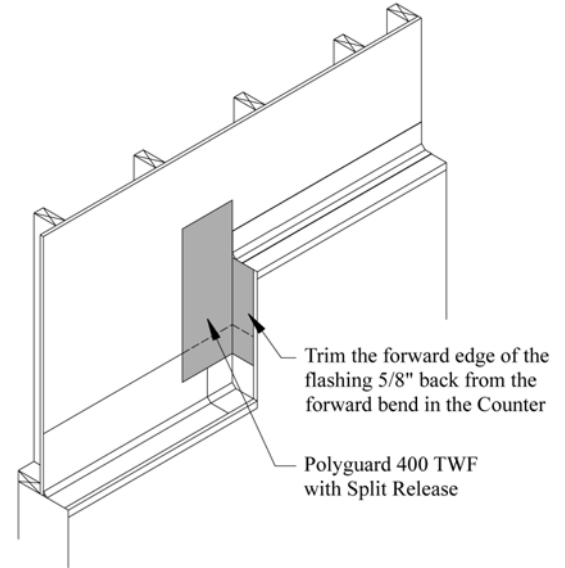


Figure 2.a.7 – TWF with split release at Riser – (1 of 3)

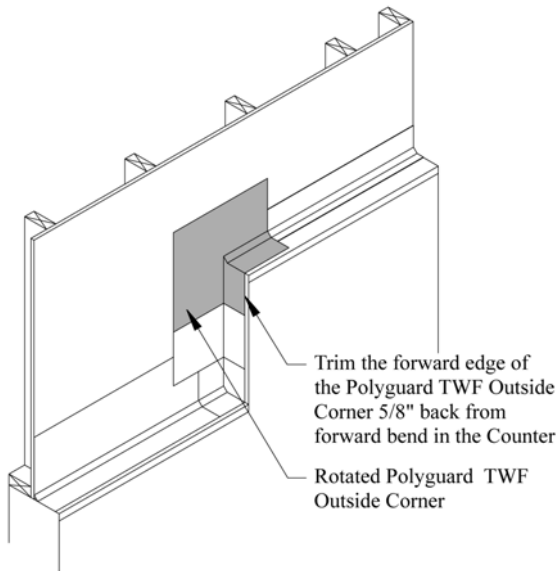


Figure 2.a.8 TWF with split release at riser – (2 of 3)

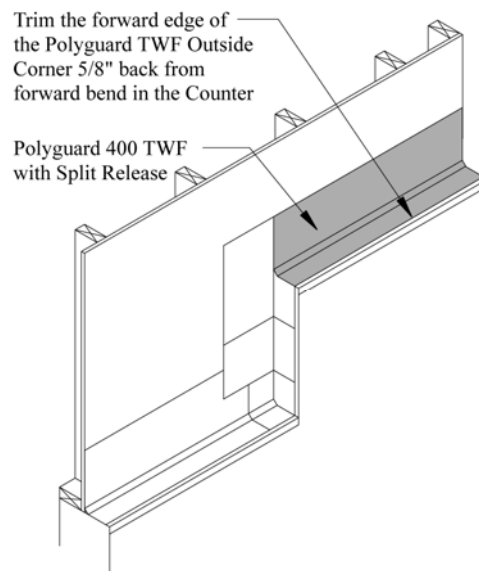


Figure 2.a.9 – TWF with split release at Riser – (3 of 3)

Step 4 Install Polyguard 400 TWF with Split Release as follows:
(When a ledge intersects with a riser, continue sequentially following Figs. 2.a.7 - 9).

Chalk a line on the backing wall above the ledge and use it as a guide for placement of the top edge of the flashing, Fig. 2.a.6. (The BIA Technical Notes commonly depict a minimum 8-inch vertical leg of flashing, select coverage accordingly.)

Select a width of flashing that will cover from the chalked line to the bend in the Drip.

Cut lengths of flashing and allow 2-inches for end laps.

Peel away about 12 inches of the 3-inch strip of release paper from the starting end of the flashing. (A factory cut has been made in the release paper 3-inches in from one edge of the flashing. This cut will allow removal of the 3-inch section of release paper, making it easier to position and install the piece.)

After the top 3-inch section of the flashing is adhered, check that the lower part of the flashing will lie flat against the lower substrates. Re-align as necessary.

Continue adhering the remaining part of the flashing as the release paper is peeled away in a downward direction.

Trim the forward edge of the flashing to 5/8-inch from the bend in the 1-inch Counter.

Step 5 Apply pressure over the face of the installed flashing with a rubber roller.

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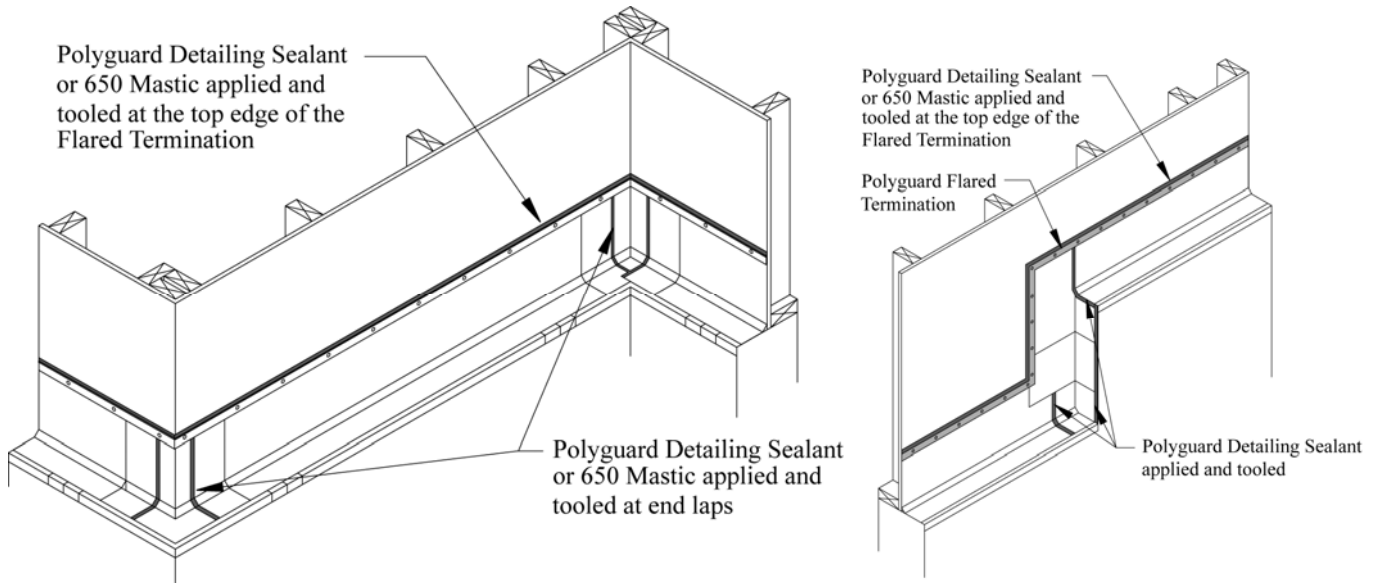


Figure 2.a.10 Step 6 – Flared Termination

Figure 2.a.11 Step 6 – Termination at Riser

Step 6 In cavity wall assemblies, fasten a Polyguard Flared Termination along the top edge of the flashing.

In cavity and non-cavity wall assemblies, apply a bead of Polyguard Detailing Sealant or 650 Mastic along the top edge of the Flared Termination/top edge of flashing and end lap edges. Tool the beads to a uniform and even coverage.

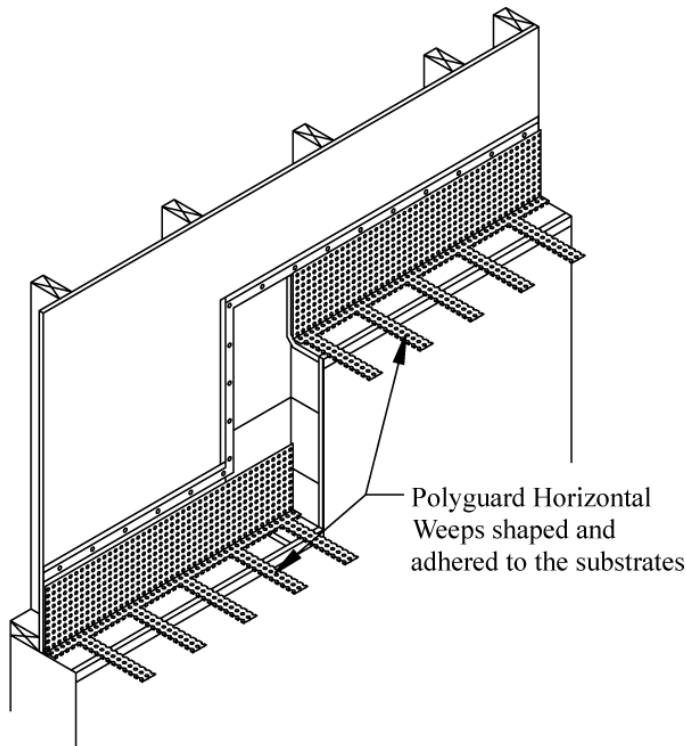


Figure 2.a.12 Step 7 – Horizontal Weeps

Step 7 Install Polyguard Horizontal Weeps across the flashed area as follows:

Coat the area that will receive the Horizontal Weep with a coating of PolyWall Quick Grip adhesive.

Shape and crease the lower body of a Horizontal Weep so that, its forward/lower edge will be positioned either not more than ¼-inch under the eventual masonry or not more than 1/8-inch off the ledge. Omit the placement of Horizontal Weeps along risers.

Place the Horizontal Weep flat against the respective surfaces and adhere it in place.

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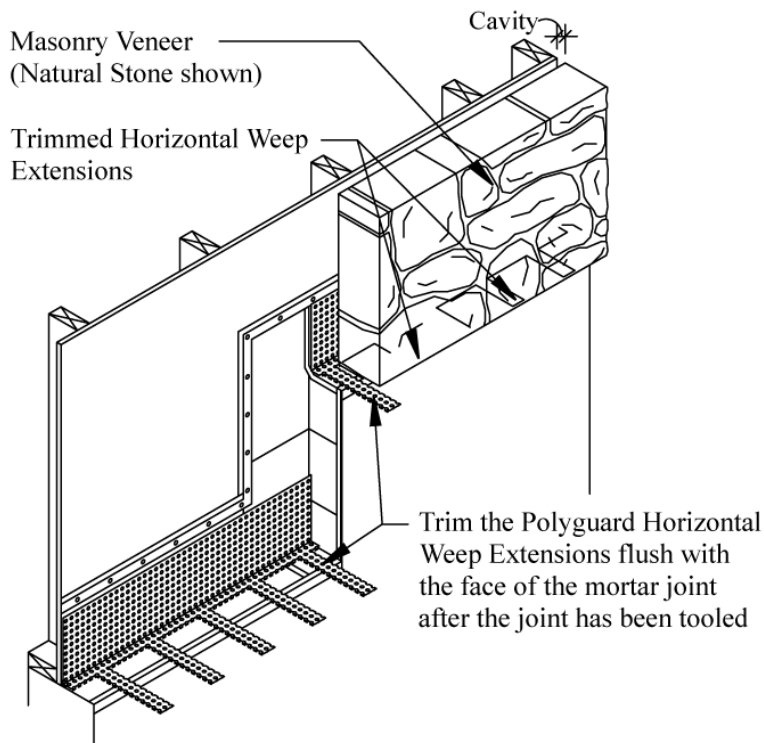


Figure 2.a.18 Step 8 – Weeps Trimmed After Masonry Installation

Step 8 Install the masonry.

Trim the Horizontal Weep extensions flush with the face of the masonry joint after the joint has been tooled.

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