

Detail 11

TWF Masonry Veneer to Deck Framing

NOTES: A deck should be structurally independent of a veneer wall. The TWF depicted protects the rim joist from wetting in an area that would otherwise be difficult to dry. It also protects the structural connections between the deck and wall structure as they might occur. This Detail is meant to illustrate a specific example. Many variations of this example are possible. Adapt the principles taught here and throughout this Handbook to the work at hand. Refer to Detail 1 for instructions regarding the installation of Preformed TWF Inside and Outside Corners.

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.

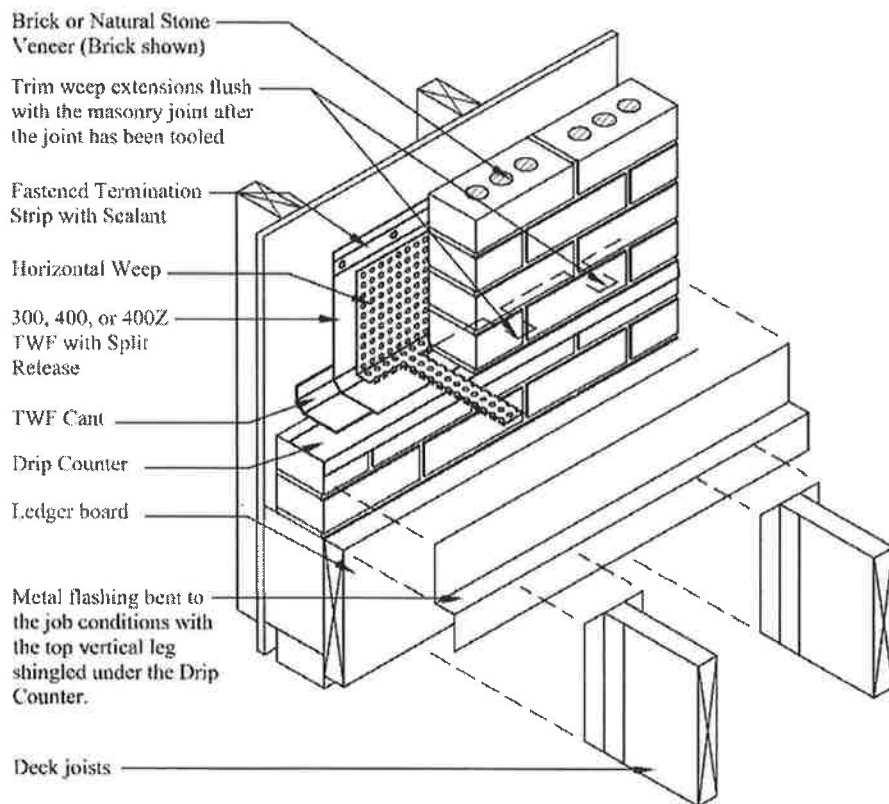
After the TWF is installed, drape the folded air barrier section over the TWF and trim the bottom edge even with the lower edge of the Termination Strip. Apply air barrier tape along the bottom edge of the air barrier and onto the face of the TWF with the skip-tape method.

If there is an adhered or spray applied air barrier on the backing wall, apply the TWF parts over that material.

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

The elevation for draining the TWF must be above the anticipated snow and rain loads.

Prepare the surfaces that will receive flashing as directed in Section One in this Handbook.



Step 1 Determine the height of waterproofing protection needed to protect the wall above the deck from wetting by anticipated snow and rain loads, i.e. the distance between the top of the deck and the

horizontal leg of the TWF. The height of this protection will vary regionally. If the information is not available in the construction documents, refer to the governing building code for guidance.

Step 2 Build the masonry to the determined height of the waterproofing. The illustration depicts an application anticipating a 5-inch snow load.

Step 3 Install Drip Counters and fittings along ledges as follows:

Remove the release paper from the Drip and adhere it with the bend in the Drip along the forward edge of the ledge. Allow a 3/16-inch space between sections.

Join Drip 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.
- Use hand pressure to seal the Coupler to the installed sections.

Step 4 Install TWF Cants along the length of the backing wall, butting end sections together and miter cutting the ends at corners, as follows:

Shape the TWF Cant along the bending scores, remove the release paper and adhere the TWF Cant to the wall and ledge with the diagonal leg sloped at about a 45-degree angle.

Trim the forward edge of the TWF Cant to cover not more than 1-inch of the veneer / drip.

Step 5 Install 300, 400, or 400Z TWF with Split Release as follows:

Chalk a line on the backing wall above the veneer ledge and use it as a guide for placement of the top edge of the flashing, Fig. 3. (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 just that part of the release paper, making it easier to position and install the piece.)

Adhere the top 3-inch section along the chalk line as the release paper is removed.

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 Drip.

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

Step 6 Terminate the top edge of the flashing as follows:

In cavity wall applications, fasten a Termination Strip along the top edge of the flashing, except in conditions where the flashing will later be covered by either, a liquid or sheet, air or water barrier.

In non-cavity wall applications, center and adhere Termination Tape along the top edge of the flashing, except in conditions where the flashing will later be covered by either, a liquid or sheet, air or water barrier. Apply pressure over the face of the tape with a rubber roller.

Step 7 Apply a bead of Detailing Sealant along the top edge of any Termination Strip and along the edges of all end laps that will not later be covered by either a liquid or sheet, air or water barrier. Tool the beads to a uniform and even coverage.

Step 8 Install Horizontal Weeps across the flashed area as follows:

Shape and crease the lower body of a Horizontal Weep so that, its' forward edge will be positioned along and behind the back of where the masonry veneer will be. Omit the placement of Horizontal Weeps along risers.

Remove the release paper and adhere the shaped Horizontal Weep flat against the wall and ledge.

Step 9 Install the unit masonry.

Step 10 Install the deck ledger board (rim joist).

Step 11 Using the same metal as the Drip Counter, fabricate an apron flashing to:

- Cover from the underside of the Drip Counter to the topside of the deck ledger;
- Cover the top edge of the deck ledger and;
- Cover a minimum of 2-inches of the face of the deck ledger board.

Step 12 Complete construction of the deck.