# Detail 14
# TWF Applied Exterior Finish to Slab Interfaces

**NOTES**: 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 / Tape. 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 applied exterior finish in these instructions includes Cement Stucco, Synthetic Stone and Hard Sidings.

The elevation for draining the TWF must be above the anticipated snow and rain loads. These instructions are written for an anticipated snow load of 6-inches. Interpret the text to other climate conditions using Fig. 1 as a guide and reference.

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

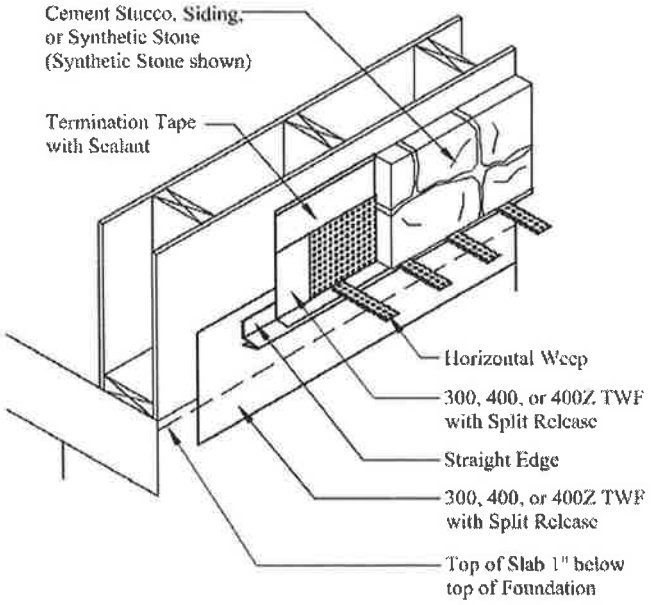



**Fig. 1**

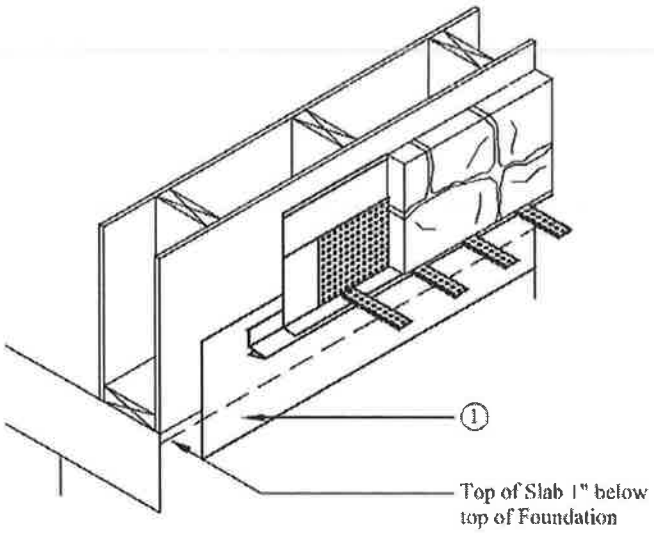



**Fig.2**

Step 1 Determine the height of waterproofing needed to protect the wall above the slab from anticipated snow and rain loads. 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. Figs. 1 and 2 depict protection for an anticipated snow load of 6-inches. Part 1 in Fig. 2 waterproofs the snow load area (continuing waterproofing protection below Part 1 is not shown).

For applications where insulation will be on the exterior side of a backing wall, Polyguard suggests using 300, 400, or 400Z TWF with Split Release as acceptable sheet applied waterproofing and Polyguard 250V as an acceptable spray or roller applied waterproofing. For applications where insulation will be within the framing of backing wall, Polyguard suggests using their Liquid Air Barrier P for its' vapor permeability and water resistance.

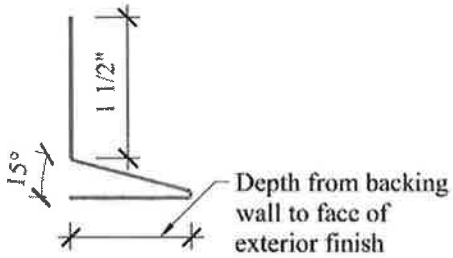



**Fig. 3**
**Section of a Straight Edge**

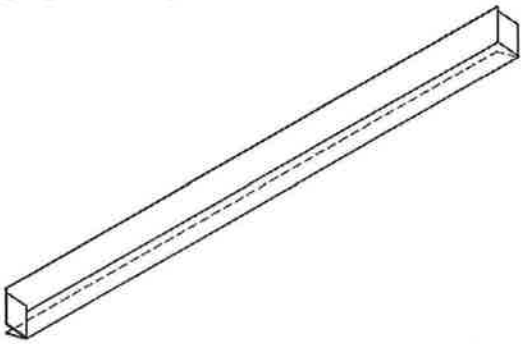


**Fig. 4**
**Isometric of a Straight Edge**
**Shown with End Dams Installed**

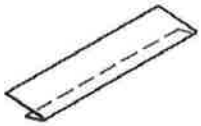


**Fig. 5**
**Straight Edge Coupler**

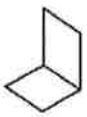


**Fig. 6**
**Straight Edge End Dam**

Step 2 Fabricate Straight Edge sections, Couplers, and End Dams from material defined in the construction documents and as illustrated in Figs. 3 through 6 with:

- A length of the Straight Edge equal to the length of the wall being covered;
- A depth of the horizontal leg equal to the calculated distance from the face of the backing wall to where the face of the applied exterior finish will be and bent to 165-degrees at that point to form
- A diagonal leg that will return to the face of the backing wall and will be bent 105-degrees at that point to form
- A wall leg with a height dimension of 1-1/2-inches.
- Fabricate Straight Edge Couplers four-inches in length and dimensioned to fit over the Straight Edge sloped and horizontal legs.
- Fabricate End Dams with an end dam height of 1-1/2-inches and dimensioned for insertion into the end of a Straight Edge that ends at an intersecting wall or dissimilar exterior finish.

Step 3 Install the Straight Edge and fittings with the horizontal leg above and along where the anticipated snow load will be as follows:

- Chalk a line on the face of Part 1 Fig.2 indicating where the top edge of the wall leg will be when the forward edge is aligned at or above the height of the anticipated snow load.
- Align the top edge of the wall leg along the chalk line and fasten it to the backing wall using fasteners suitable for the substrate and spaced to hold the leg flat against the backing wall.
- Couple the ends with fabricated Couplers, Fig. 5, centered over an end joint.
- Miter cut the Straight Edge where it will continue along an intersecting wall and insert end dams, Fig. 6, where the Straight Edge will end at an intersecting wall or dissimilar finish.

Step 4 Install 300, 400, or 400Z TWF with Split Release as follows:
(Refer to Details 24 & 25 in this Handbook for information regarding field forming and installing TWF Inside and Outside Corners.)

Chalk a line on the backing wall above the Straight Edge for placement of the top edge of the flashing. (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 forward bend in the Straight Edge.

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 Straight Edge.

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

Step 5 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 6 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.

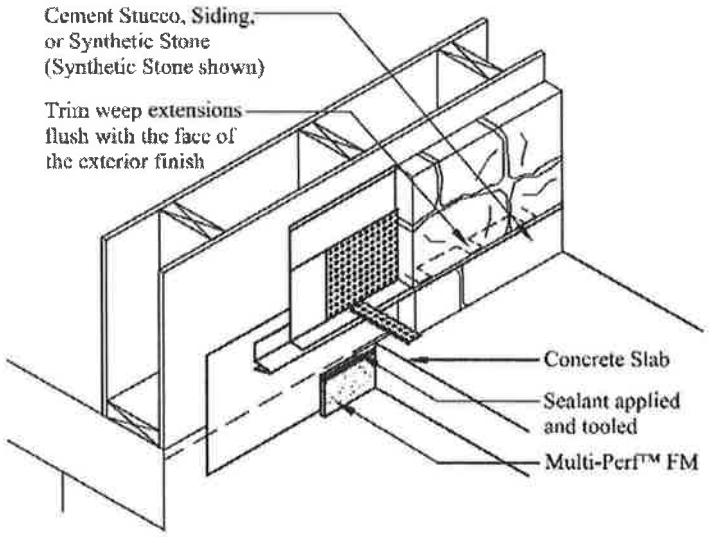
Step 7 Install Horizontal Weeps across the flashed area as follows:

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.

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

In Hard Siding applications substitute Polyguards' Low Flow pliable drainage mat for the Horizontal Weep. Shape it across the face of the flashing and tack it in place. Install the bottom edge of the siding with a 1/8-inch separation from the Straight Edge.

Step 8 Install the exterior finish above the Straight Edge.




Step 9 Install a Polyguard Multi-Perf™ FM, or similar compressible material, against the interfacing slab wall with the top edge aligned with where the top of the slab will be.

Step 10 Pour and finish the slab.

Step 11 Remove Multi-Perf™ segments as needed to establish the depth of the sealant joint and then apply the sealant.

Step 12 Install the exterior finish between the slab and underside of the Straight Edge.

Step 13 Trim the weep extensions flush with the face of the exterior finish.