

Detail 16

TWF Applied Exterior Finish Sills or Thresholds for Flanged Windows or Doors

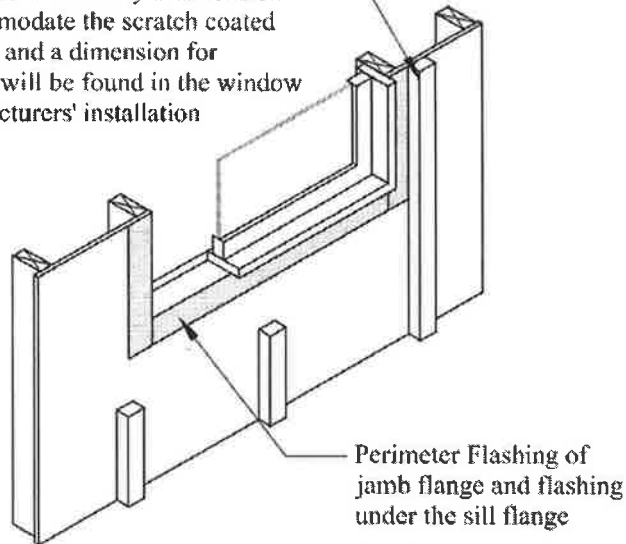
NOTES: The details for the TWF in this set of instructions can be omitted if the backing wall is waterproofed within an area bounded by the underside of the sill / threshold flashing and 2-inches past the top edge of a lower TWF and from 8-inches beyond the downward plane of the jambs. Under these conditions and 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 a backing wall Polyguard suggests using their Liquid Air Barrier P for its' vapor permeability and water resistance.

The term applied exterior finish in these instructions includes Cement Stucco, Synthetic Stone and Hard Sidings.

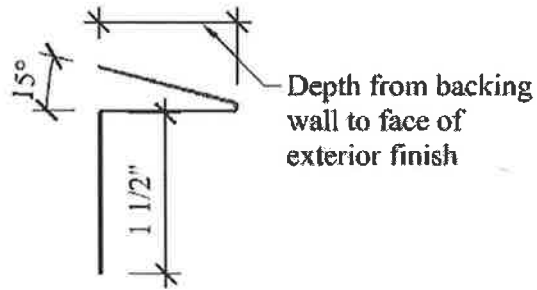
These images depict a furred exterior wall that will receive another layer of siding, or a layer of sheathing material and or, a scratch coat over lathe, and an applied synthetic stone. When the exterior finish will be different than shown, modify the furring strip locations along and around the window or doorframe perimeter to account for the dimensions of the selected applied finish and movement joint space. The details also apply to non-furred walls. The difference between a furred vs. a non-furred wall application will be the dimension of the Sill Edge.

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

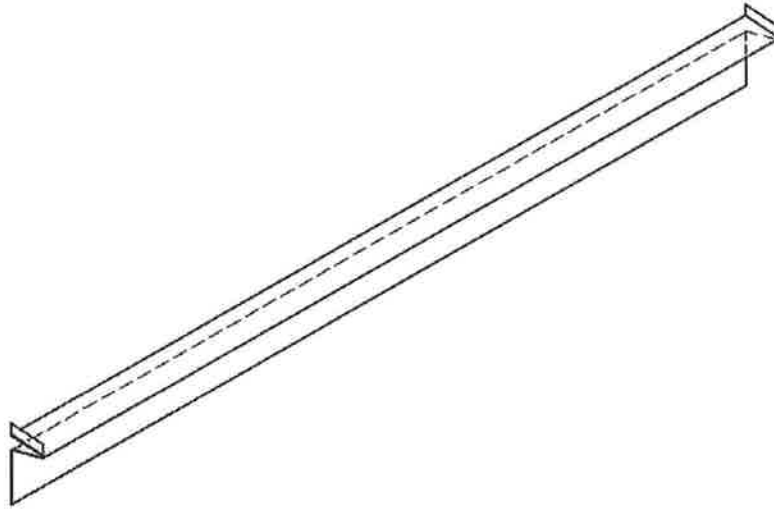
Furring strip for lathe and exterior finish along the jambs and windowsill or door threshold. Separate the furring strips from the window or door frame by a dimension that will accommodate the scratch coated lathe and finish and a dimension for movement that will be found in the window or door manufacturers' installation instructions.



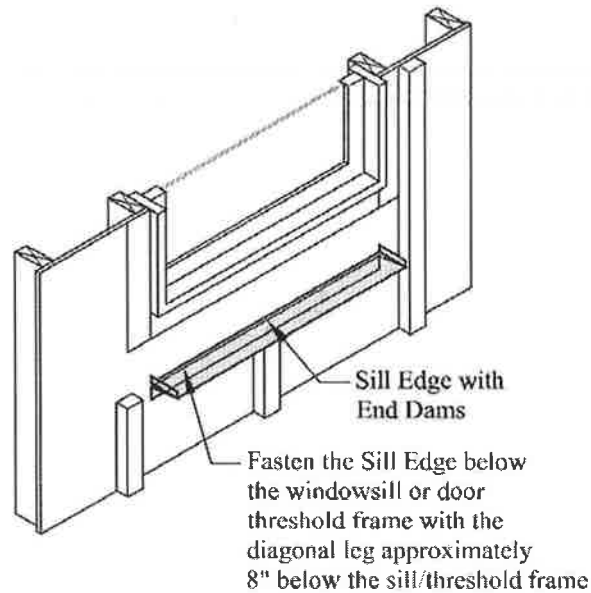
*Air Barrier not shown for simplicity



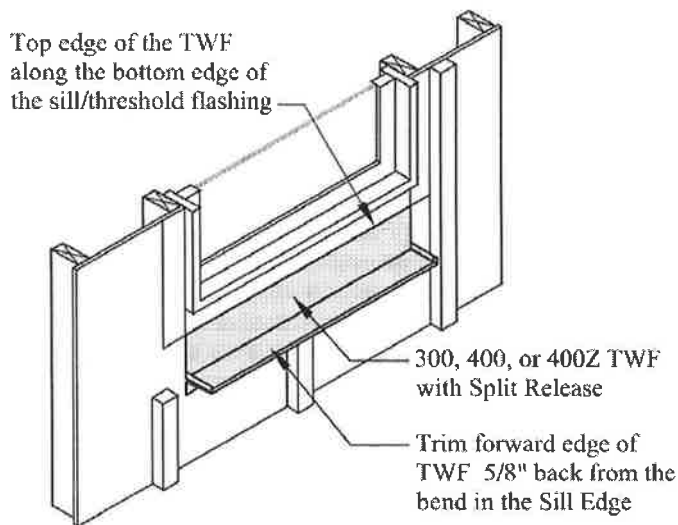
Section of Sill Edge
Fig.1



- Step 1 Fabricate a Sill Edge, from material defined in the construction documents, using Fig. 1 as a guide and with:
- A finished length equal to the outside dimension of the window or door opening;
 - A wall leg dimension of 1-1/2-inches bending at that point 90-degrees to form
 - A horizontal leg with depth equal to the calculated distance from the backing wall to the face of the exterior finish then bending at that point 165-degree to form;
 - A diagonal leg with a depth that will close the leg to the plane of the wall and;
 - A diagonal leg having 3/4-inch height end dams.



- Step 2 Position the Sill Edge below the windowsill or door threshold frame with the diagonal leg approximately 8-inches below the sill/threshold frame. Fasten the wall leg to the backing wall with flat head fasteners.



- Step 3 Install 300, 400, or 400Z TWF with Split Release as follows:
 (If there is a fastened air barrier of any kind covering the area that will receive this flashing cut and remove it so that the flashing will cover the backing wall and 2-inches of the air barrier along the sides; flush along the diagonal leg of the Sill Edge; and along the bottom edge of the sill / threshold rough opening flashing.)

Select a width of flashing that will cover from the bottom edge of the sill / threshold rough opening flashing to the forward bend in the Sill Edge.

Cut lengths of flashing and allow 2-inches for end laps and coverage of the sides of the end dams.

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.)

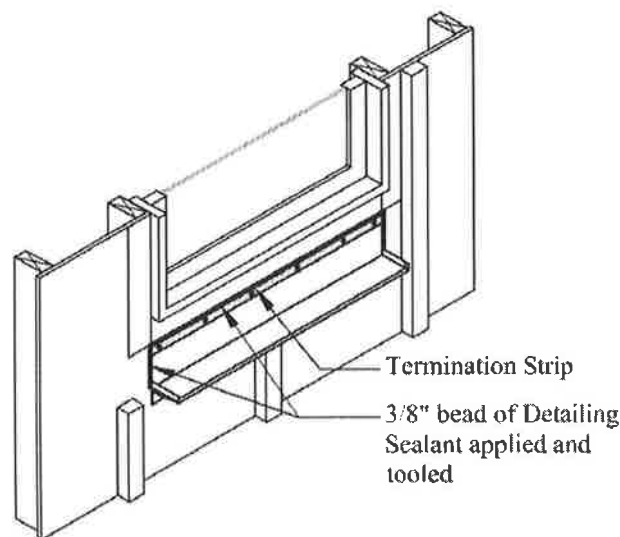
Adhere the top 3-inch section along the bottom edge of the sill / threshold rough opening flashing as the release paper is removed.

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 forward bend in the Sill Edge.

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

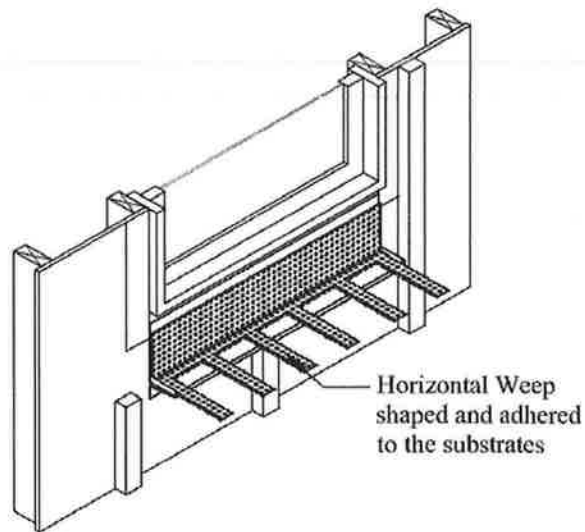


Step 4 Terminate the top edge of the flashing as follows:

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 5 Apply a bead of Detailing Sealant along the top edge of any Termination Strip, and along the edges of all end laps and end dams 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.

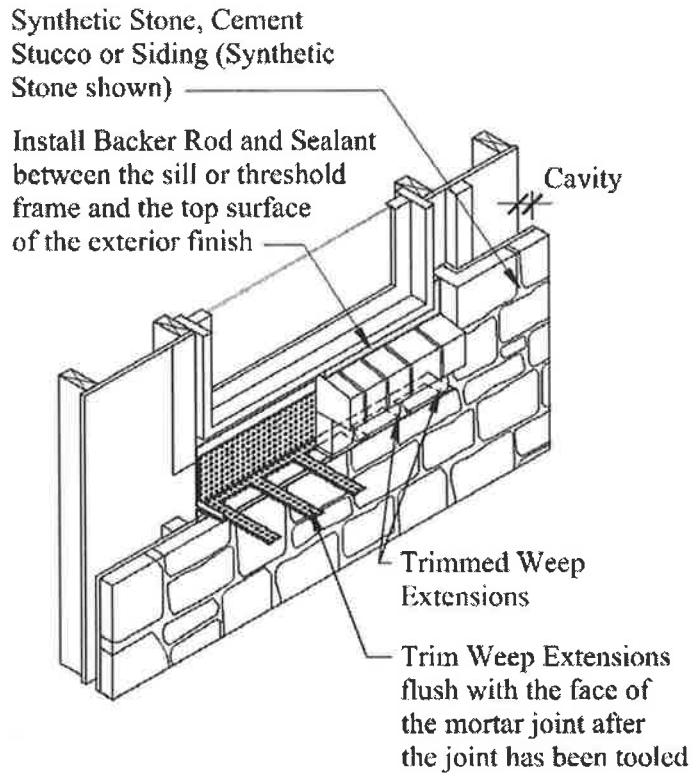


Step 6 Install Horizontal Weeps across the flashed area as follows:

Locate a weep at and along the side of each End Dam. If cutting and repositioning a weep is necessary, cut a weep extension flush with the lower body edge. Nest the separated weep into cups along the lower body and in the desired location. 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 applied exterior finish will be.

Adhere the shaped Horizontal Weep flat against the underlying surfaces as the release paper is removed.

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 Sill Edge.



- Step 7 Install the exterior finish. Allow for a movement joint between the top edge of the exterior finish and the window or doorframe as directed in the window or door manufacturers installation instructions.
- Step 8 Trim the Horizontal Weep extensions flush with the face of the masonry joint after the joint has been tooled.
- Step 9 Install a backer rod and sealant in the area between the top edge of the exterior finish and the window or doorframe. Tool the joint to a concave shape.