

Tools and Materials Required

- Safety Equipment (Hardhat, Eye Protection, Hearing Protection, Gloves, etc)
- Jigsaw/Circular Saw
- Angle Grinder
- Ladder
- Measuring Tape
- Sealant
- Utility Knife
- Blueskin® Waterproofing Membrane
- Wood Bracing

Step 1 - Identify Openings

Identify the location of the openings on the wall. If the project permits, move the location of the openings to the left or right, without changing the opening size, as shown in figure 1.

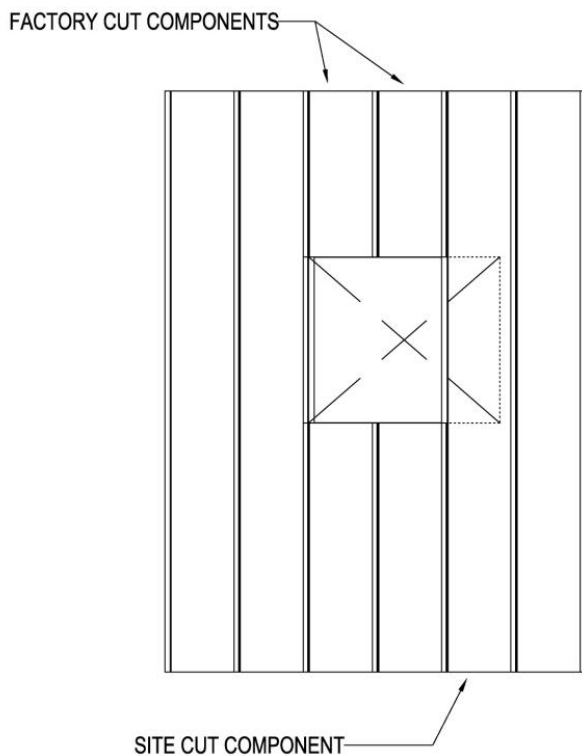


Figure 1 One Component Site Cut

Depending on the size of the opening, this may reduce the amount of site work that is necessary, as only one extra panel needs to be cut.

If the location of the openings cannot be altered due to project constraints, one panel on each side of the factory cut components will need to be site cut, as shown in figure 2.

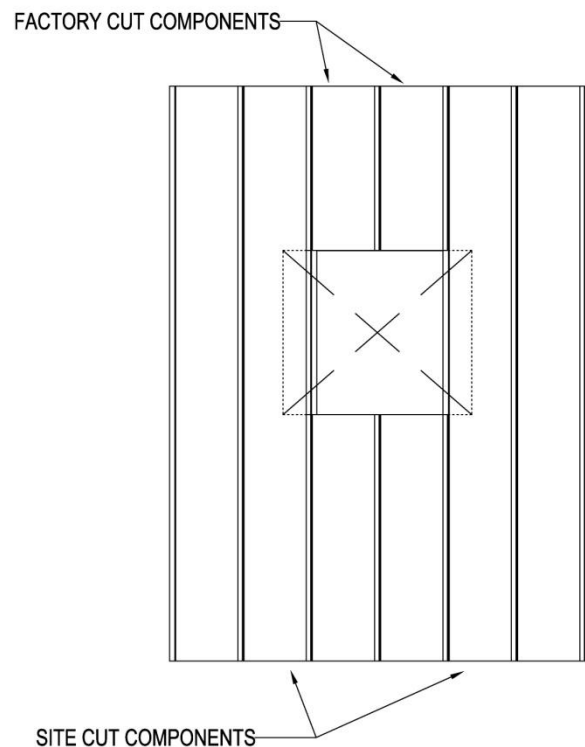


Figure 2 Two Components Site Cut

Step 2 - Cut Openings

Once the location of the openings is finalized, proceed to cut the CONFORM® components, as shown in figure 3. A jigsaw or circular saw are the ideal tools to use as they are fast and provide the cleanest cut. Alternatively, an oscillating saw or an angle grinder can be used.

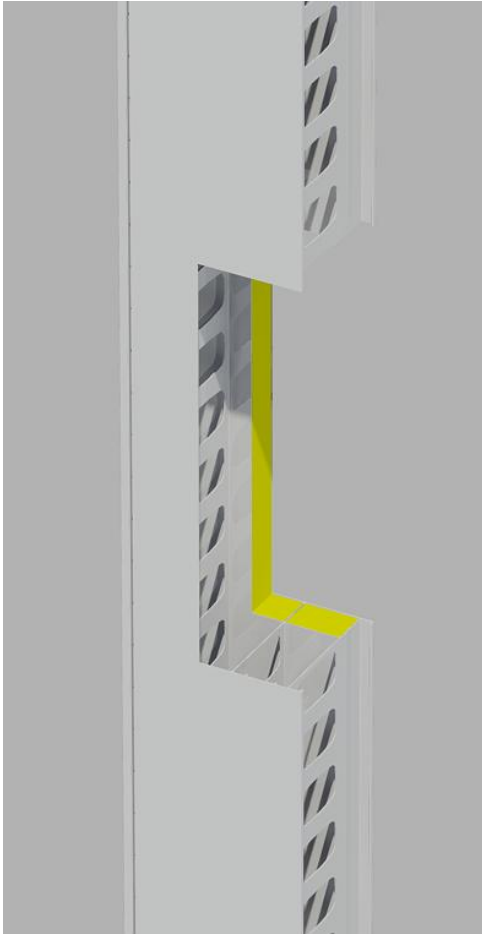


Figure 3 Site Cut Component

Step 3 - Brace Openings

- i. Measure and cut the basic frame to the required opening height and width. Before proceeding with the installation on the jambs, notch the face of the basic frame 20mm ($\frac{3}{4}$ ") on the top and bottom, as shown in figure 3. This is done in order to provide a consistent frame width all the way around the opening.
- ii. A continuous buck is required around the jambs and header of all openings to resist the vertical and horizontal concrete pressure, as well as maintain the shape of the opening. The sill needs to remain

open between the supports in order to facilitate concrete placement. Alternately, the sill may be poured prior to bracing the opening. The buck is formed using a conventional wood framing, as shown in figures 6, 7, and 8.

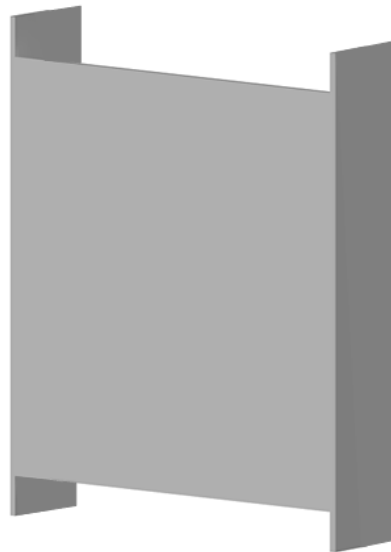


Figure 3 Notched Basic Frame for Jamb

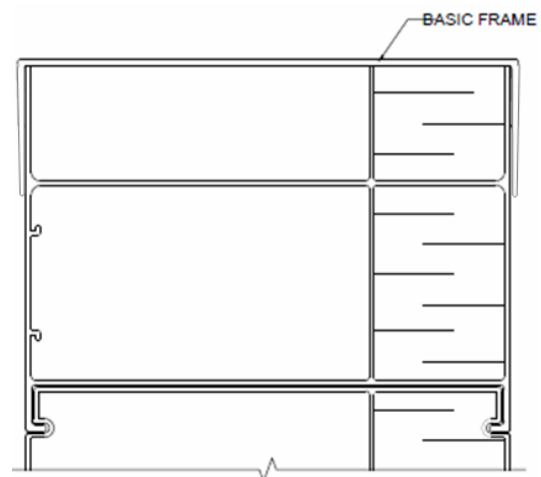


Figure 4 Basic Frame installed on opening

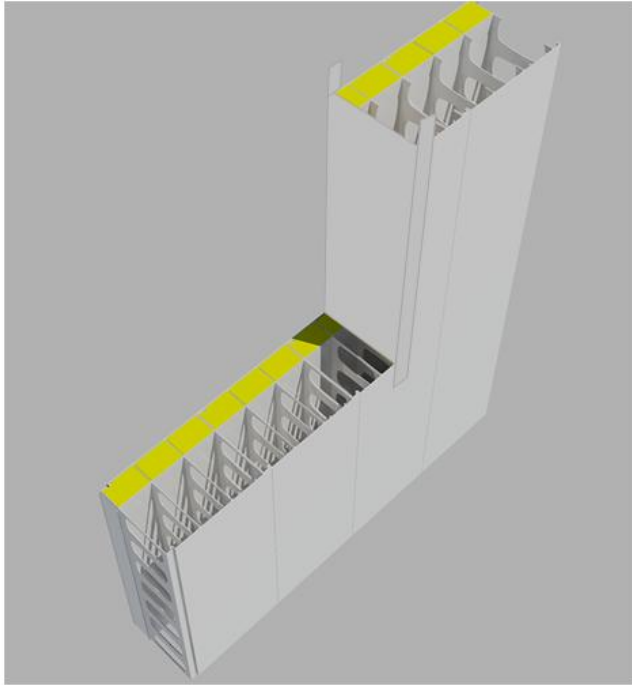


Figure 5 Basic Frame installed on Panel Faces

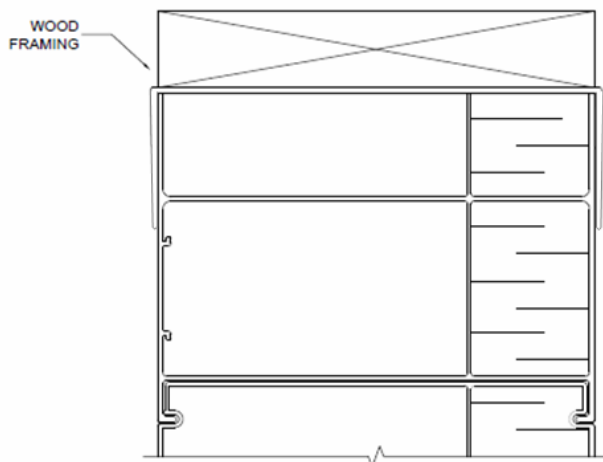


Figure 6 Bracing at Opening Jamb

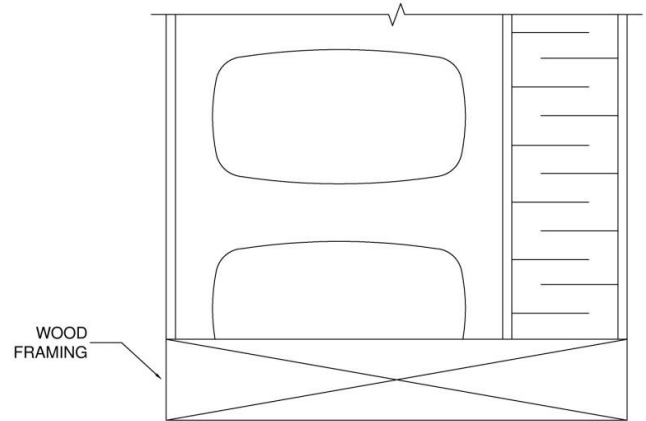


Figure 7 Bracing at Opening Header

Brace the buck around the header and jambs with vertical and horizontal supports, as shown in figure 8.

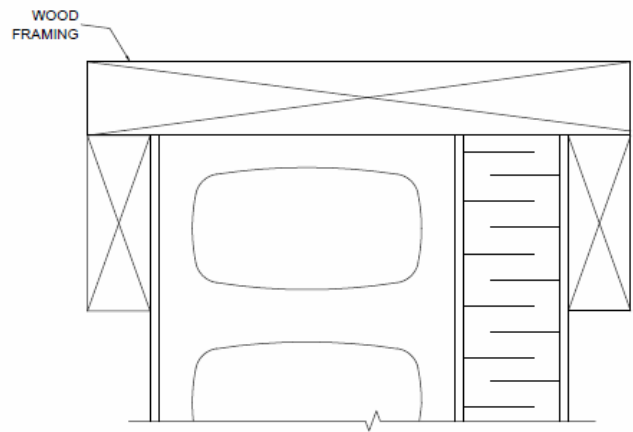


Figure 8 Bracing at Opening Sill

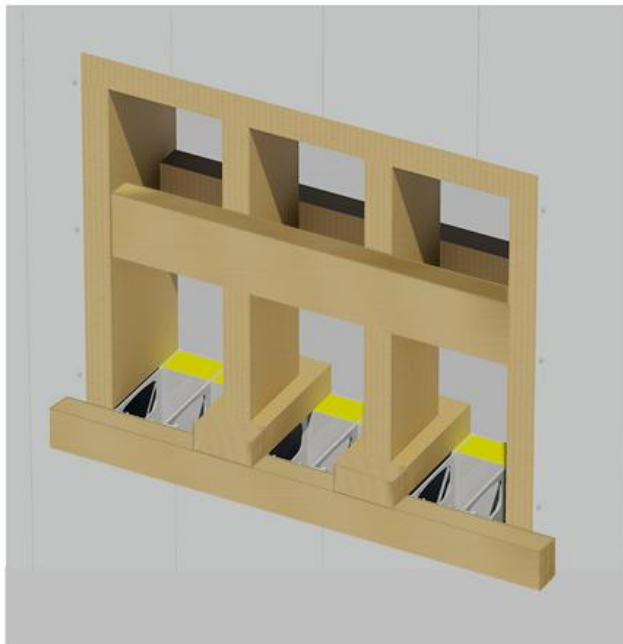


Figure 9 Vertical and Horizontal Supports

Step 4 - Concrete Placement

Prior to beginning the concrete placement, re-check that all openings have been braced securely. Pour concrete in accordance with section 12 of the CONFORM® Construction Guide v2.0.

Step 5 - Remove Bracing and Install Basic Frame

Bracing and the basic frame is removed after adequate strength is reached, 72 hours minimum. Consult the Construction Guide for more detail. Remove all the bracing from the opening.

Apply caulking on the inside of the basic frame before installing again, as shown in figures 9

Prior to installing on the header, drill ¼” dia. drain holes in the outer leg of the basic frame, at 100mm (4”) o.c. Refer to figure 10.

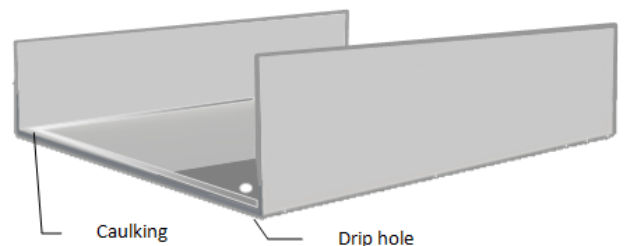


Figure 10a Basic Frame Installed on Header (ISO)



Figure 10b Basic Frame Installed on Header (Plan view)

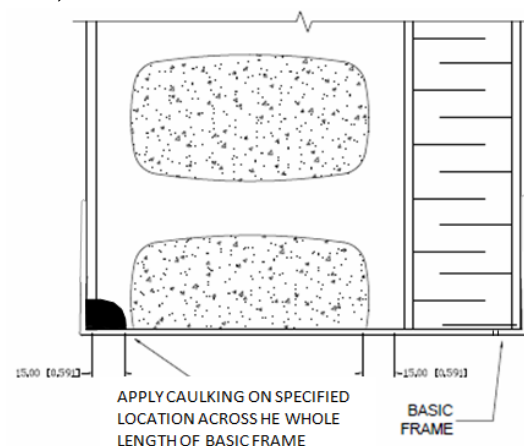


Figure 11 Basic Frame Installed on Header

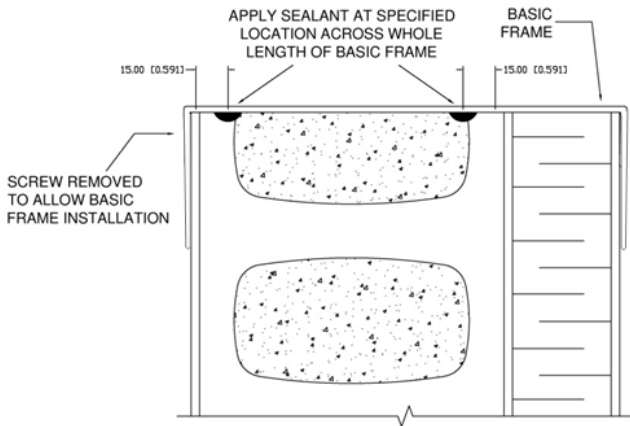


Figure 12 Basic Frame Installed on Sill

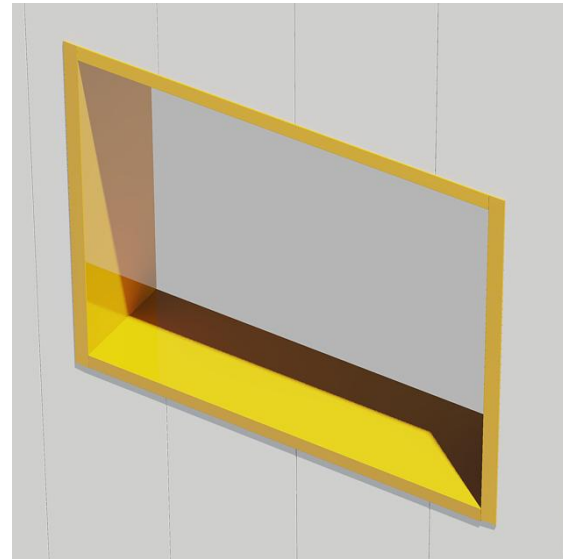


Figure 15 Finished Opening

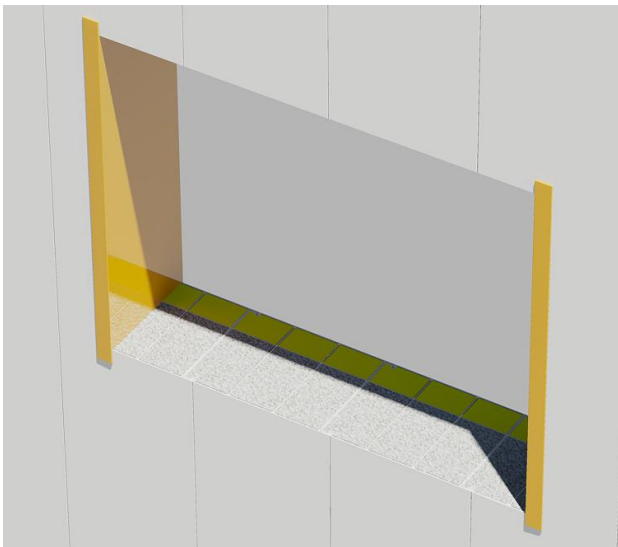


Figure 13 Basic Frame on Jambs

Install the basic frame on the header and the sill of the opening.

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