OMEGA PANEL PRODUCTS Ω
LAMINATORS INC.

OMEGA-FLEX™ INSTALLATION

INSTALLING FLEX PANELS

Installation of Omega-Flex™ Panels over Plywood Sheathing

This installation supplement is to be used in conjunction with the Laminators' 1-Piece, Tight-Fit Installation Guide. Failure to follow these instructions may result in a voided warranty.

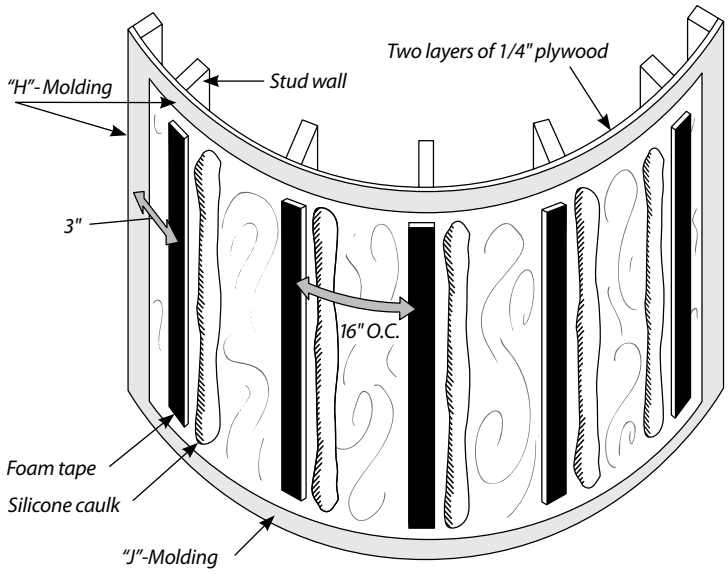
Omega-Flex panels can only be installed with the 1-Piece, Tight-Fit Molding System and should only be installed over plywood sheathing with or without a water-resistive barrier. When installing over a water-resistive barrier, use 18 or 20 gauge steel squares to create a surface that will accept adhesive.

Omega-Flex should only be used on a radius that measures 17' down to a minimum of 8'. In any case, you are advised to call Laminators to discuss your application, as every installation is different and every possibility cannot be covered in this supplemental guide.

A FEW TIPS BEFORE YOU START

- Do not use Omega-Flex panels for flat wall applications.
- Omega-Flex panels should only be used on a 17' radius or less. Omega-Lite™ panels should only be used on an 17' radius or larger.
- If your radius is less than 8', call Technical Support for special instructions.
- You must use a recommended silicone caulk as a panel adhesive. Failure to do so will cause panel defects and will void your warranty.
- If combining Omega-Lite and Omega-Flex panels on the same job, do not install the Omega-Flex panels beyond the radius termination.
- Do not store panels in direct sunlight or in extreme cold temperatures. Store flat on a pallet.
- Omega-Flex panels should only be installed using moldings supplied by Laminators Inc.

PREPARING THE WALL



Installation over Plywood:

The size of the radius of the framing determines the method of applying sheathing. If the radius is less than 20', attach two layers of ¼" plywood sheathing as the substrate. If the radius is over 20', you may be able to apply one layer of ½" plywood sheathing as the substrate.

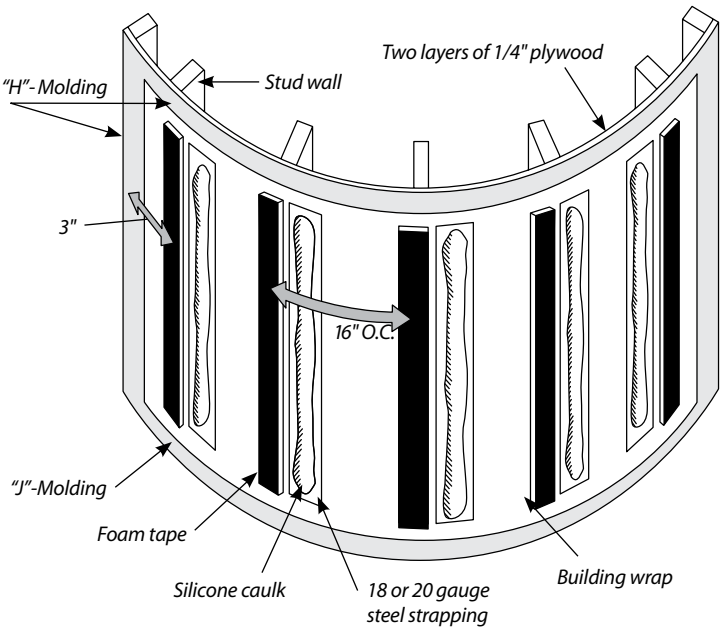
For installations over a heated space, we recommend applying a painted-on air and moisture barrier to the sheathing prior to installation of the panels. Use breathable barriers such as Henry Company Air Bloc 31, Perma Barrier VP and Sto-Gold Coat 265. Refer to the manufacturers' installation instructions.

Apply 2 ½" closed cell PVC foam tape on the wall in continuous verticals every 16" O.C. Foam tape must be placed at each vertical panel joint.

Firmly press foam tape against sheathing to get a good bond. Peel paper masking off of foam tape.

Apply a vertical bead of caulk next to each piece of foam tape. Make sure that the line of adhesive is thick enough to bridge the sheathing to the panel.

PREPARING THE WALL *(continued)*



Installation over Building Wrap on Plywood:

If the radius is less than 20', attach two layers of ¼" plywood sheathing as the substrate. If the radius is over 20', you may use one layer of ½" plywood sheathing as the substrate.

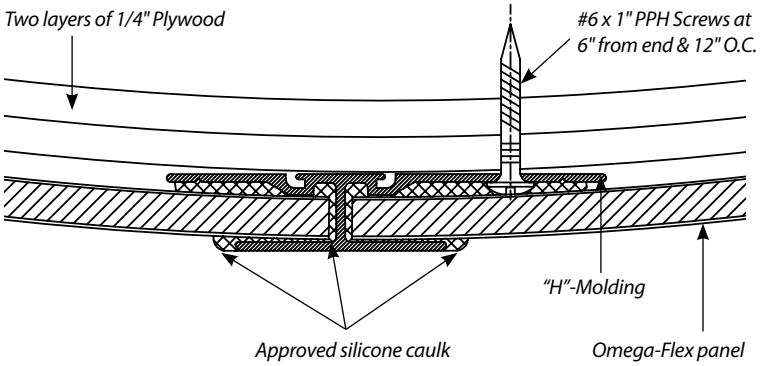
Apply 2 ½" closed cell PVC foam tape on the wall in continuous verticals every 16" O.C. Foam tape must be placed at each vertical panel joint.

Firmly press foam tape against building wrap to get a good bond. Peel paper masking off of foam tape.

Attach vertical strips of 18 or 20 gauge steel strapping with screws through the building wrap and into the sheathing and next to the foam tape.

Apply a vertical bead of caulk directly on the strapping. Make sure that the line of adhesive is thick enough to bridge the sheathing to the panel. Press the panel to the foam tape and then look to be sure the adhesive transfers and strings.

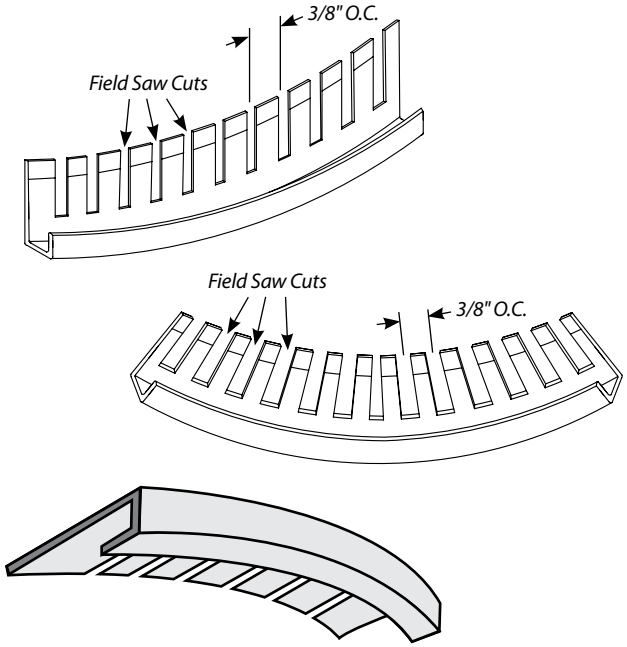
INSTALLING THE MOLDINGS



Installation is very similar to flat-panel 1-piece, Tight-Fit molding installation except that glue spacing is reduced to 16" O.C. and no more than 3" from a molding.

INSTALLING FLEX PANELS

BENDING EXTRUSIONS: RELIEF CUTTING

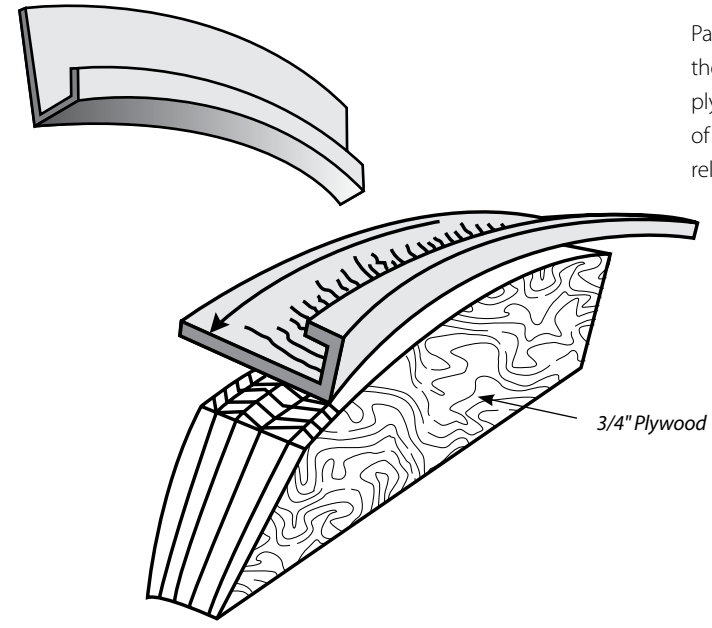


How to Relief Cut, If Necessary

If the radius is too severe to bend the extrusion, J-moldings may be relieved with a saw cut. The space between the cuts will be determined by the radius you are working with. Use a scrap for testing. "J"-Moldings will need to be screwed down more frequently on a curve in order to conform smoothly to the radius.

Once you have determined the frequency of your cuts, set the saw blade to just above the bottom leg of the "J"-Molding (approximately 1/16"). Carefully run back leg of extrusion through saw 1-1/2". Lift extrusion when blade reaches the front leg of the molding. To avoid injury, be sure to follow all applicable safety procedures when making these cuts. The saw operator should be fully trained in the use of his equipment and all guards, eye protection, and other prudent safety equipment should be used.

BENDING EXTRUSIONS: ROLLING EXTRUSIONS

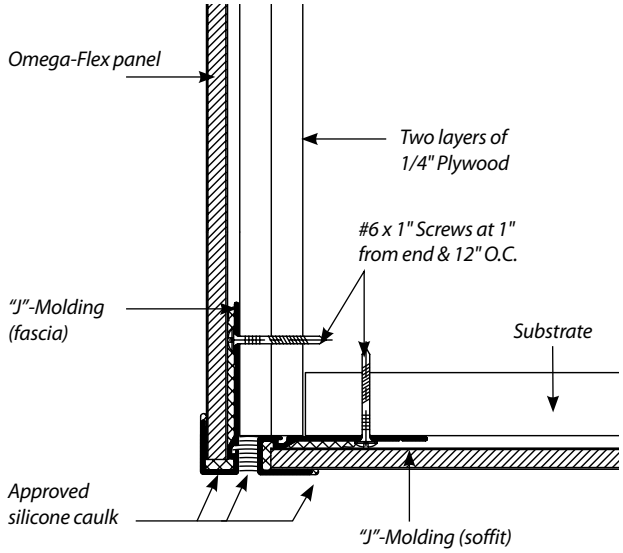


How to Bend

Pack the extrusion with leftover panel pieces or hardboard to prevent the extrusion from closing up. Lift and place the extrusion against the plywood. Securely fasten it with screws every 3" following the radius of the wall/barrel from left to right. If the radius is too severe, begin relief cuts on the extrusion.

INSTALLING FLEX PANELS

FASCIA/SOFFIT TRANSITION USING "J"-MOLDINGS ONLY

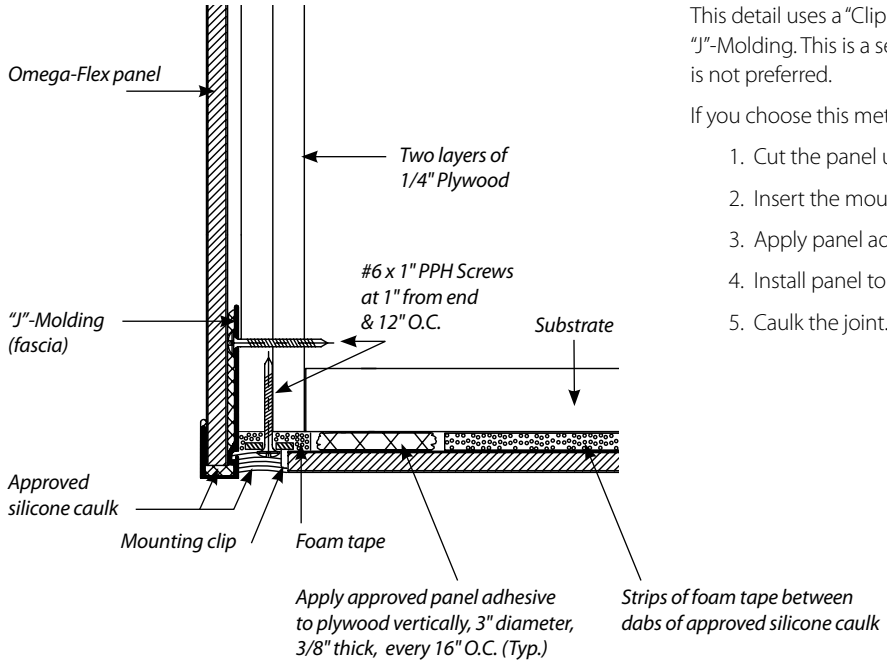


Fascia/Soffit transitions will need to be formed with two "J"-Moldings as shown here, as an outside corner will not conform to a curve. Notice that the fascia molding sits lower than the soffit molding to create a drip edge. This detail can be very difficult on a tight radius. Please call technical support for more information.

If you choose this method, follow these steps:

1. If necessary, relief cut soffit "J"-Molding using instructions on page 4.
2. Fasten "J"-Molding to the substrate.
3. Apply silicone caulk inside the "J"-Molding.
4. Install panel into the "J"-Molding.

FASCIA/SOFFIT TRANSITION USING CLIP & CAULK ON SOFFIT



This detail uses a "Clip & Caulk" joint along the soffit, instead of the "J"-Molding. This is a second option that can be used if a "J"-Molding is not preferred.

If you choose this method, follow these steps:

1. Cut the panel used for the soffit to the shape of the radius.
2. Insert the mounting clip in the flutes of the panel.
3. Apply panel adhesive and foam tape to the substrate.
4. Install panel to soffit and fasten with screws.
5. Caulk the joint.

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