

IMPORTANT: READ ALL INSTRUCTIONS BEFORE PROCEEDING WITH INSTALLATION

General

The following guidelines provide basic assembly and installation instructions for EFJ-937 and EFJ-937-MD extruded aluminum dual-module louvers mounting to various building conditions using the sleeved installation method. These models are designed to withstand severe weather effects typically associated with hurricanes, and have been tested for resistance to impacts, cyclic fatigue, and static pressures up to 130 psf.

- For additional details, refer to the catalog submittal page posted at www.alllite.com as well as any job-specific submittal drawings when provided.
- Carefully lift louver sections by the frames using multiple lifting points as necessary to avoid distortion, racking, or other damage. **Do not apply excessive force to a single blade, and NEVER LIFT UNITS BY LOUVER BLADES.** Take necessary precautions to prevent marring the louver finish.
- While installation is underway and before louver sections are permanently fastened in place, All-Lite recommends that the installer employ temporary straps or bracing (by others) to prevent units from shifting unexpectedly.
- All gaskets and caulk are supplied by others.

Preparation

Louvers and Hardware:

- Locate all crates, boxes, cartons, etc.
- Remove louvers from packaging, inspect for damage, confirm quantities and sizes with packing list, and organize parts in order of installation. To verify installation hardware quantities, refer to Table 1. Installation hardware will typically be shipped in a separate box.
- Notify your All-Lite representative immediately of any shortages or shipping damage.

Openings:

- Inspect openings for damage, repair as needed, and remove any obstructions or debris.
- Prior to installation, verify that openings are square and plumb and that the louvers will fit properly.

Single Section Louver Installation

- Lift the louver section (with attached sleeve) up and slide it into the wall opening as shown in Figure 1. The back of the sleeve should project through the wall into the building interior, while the front flange will rest directly against the outside face of the wall.
- As necessary, shim around the perimeter to level the louver and to maintain an approximate 1/4" clearance between the outside of the sleeve and the edges of the opening (shims are by others).

- Along the top and bottom of the opening, place 2" x 1-1/2" retaining angles (A-3) against the rear face of the wall, and use 1/4-20 x 1" self-drilling screws (F-3) to fasten the angles to the sleeve.
 - Each length of angle will arrive with one side pre-drilled with clearance holes for 1/4" fasteners. These are holes are included to facilitate attachment to the sleeve. The angle leg without holes should sit against the wall.
 - No direct anchorage to the building substrate is necessary – in effect, the wall is "sandwiched" between the sleeve flange in front and the continuous angles behind.
- Install back rod and caulk around the entire perimeter of the louver, as required.

Multiple Section Louver Installation

- First, determine how the individual louver sections will be located relative to each other. Every section is shipped with a factory-attached sleeve, but end sections will be sleeved on three sides, while center sections (if present) will have sleeve only on the top and bottom.
- Install the left end section using the procedure described in steps 1-3 from "Single Section Louver Installation."
- Moving to the right, lift the next section into place. Shim as necessary to maintain an approximate 1/4" clearance between the outside of the sleeve and the edges of the opening, and approximately 1/4" of clearance between sections (shims by others). Install continuous angles (A-3) on this section as described in step 3 from "Single Section Louver Installation." Refer to Figure 1.
- Seal the entire length of the joints in the sleeve between adjacent louver sections using caulk, gasket, or other means (by others).
- Install any remaining louver sections using the procedure described above. Finish by installing backer rod and caulk in the following locations:
 - All vertical joints between sections.
 - Around the entire perimeter of the opening.

Table 1: Standard Installation Hardware.
"Sleeved Method"

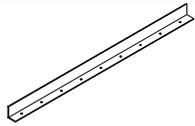
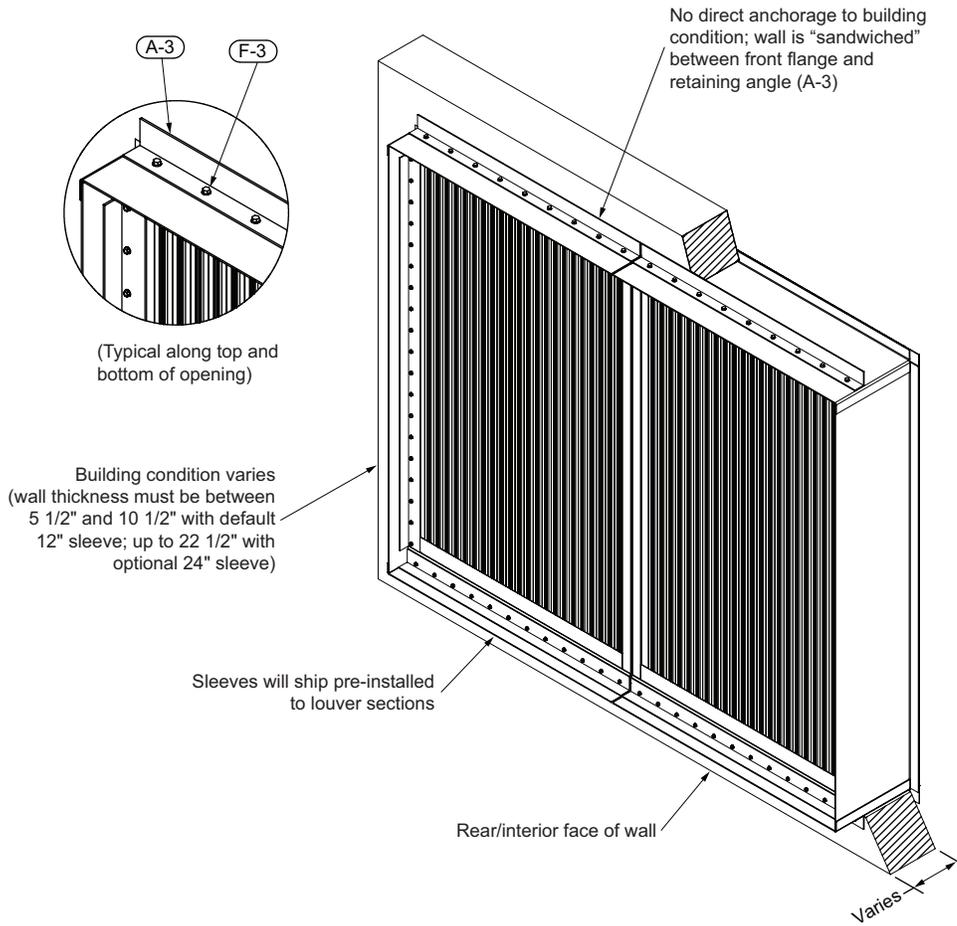
Part	Description		
A-3	Retaining Angle (2" x 1 1/2" x 1/8" Varying Length)		Included
F-3	1/4-20 x 1" Hex-Head Self-Drilling Machine Screw		Included

Figure 1: Sleeved Louver Installation



Section Detail for Bottom Connection (Top Connection Similar)

