



TENPLUS
ARCHITECTURAL PRODUCTS LTD

**MULLION LOUVRE
INSTALLATION INSTRUCTIONS
TO BE READ IN CONJUNCTION WITH SHOP DRAWINGS**

1. Remove the louvre parts from the appropriate packages / crates.
2. Referring to the shop drawings and packing slip, identify all parts to ensure that, none are missing. Check for louvre sections, and where required: sills, blank-off, structural supports, etc.
3. Inspect openings for damage or obstructions that may prevent proper installation of louvres. Treat as required.
4. Ensure that the openings match your confirmed opening sizes. The louvres will be approx. 19 mm ($\frac{3}{4}$ ") smaller than the opening to allow for tolerance.
5. If a sill is required, install this prior to the louvre.
6. Clip angles will be required to anchor the louvre to the opening approx. 760 mm (30") on centre. **The clip angles and fasteners are not included.** Drill holes in the clip angle for wall anchors. Refer to Architectural drawings to determine the location of the clip angles by accounting for the setback (the distance from face of the louvre to the face of the wall) and the depth of the louvre. Drill holes in the wall accordingly.
7. Attach clip angles to the wall with appropriate fasteners.
8. Place louvre section into the opening. Shim around the perimeter of louvre to provide for proper clearances. Ensure louvre is set plumb, level and true.
9. Use holes in the clip angles to drill pilot holes into the jam (sides), top and bottom. Fasten the louvre frame to the clip angles. Attach blade brace carriers to vertical structural supports with TEK screws at 760 mm (30") centres max.

If the louvre is in multiple sections : Start on one side and install each section progressively. The sections are joined by butting the louvre mullion to mullion. The sections should be bolted together at approx. 760 mm (30") on center. Allow for a 3 mm (1/8") expansion joint.

If the louvre sections are higher than 96" (2438 mm) : A vertical structural support will be required where the mullions butt up to each other. The structural(s) must be installed behind the louvre mullions. Anchor the structural support at the bottom and top, to the wall opening, with clip angles. Both mullions are to be anchored to the vertical structural with clip angles at approx. 760 mm (30") on center

10. Ensure that each section aligns with the first, and that all surfaces are plumb, level and true.
11. Caulk perimeter of louvre as required. **Caulking is not included.**