Field Mulling Instructions for Patio Door

Parts
(a) 1" Aluminum tube (mullion) with tabs cut to 1-3/8" long. Sidelite mullion includes 1 tab only (x1)
(b) 1" PVC mull cover (x2)
(c) One package #8 x 1" self-tapping pan head screws
(d) One package 3/8" PVC plug covers
(e) Large flashing tape (x2)
(f) Small flashing tape (x2)
(g) Caulk (sealant - not included)

STEP 1
Prepare the units
> Remove the nail fin along the frame of the patio door and along the frame of the transom or sidelite where the units will be joined

STEP 2
Apply caulk to the mullion
> Apply a bead of caulk (g) to the side of the aluminum reinforcement (a) that will adhere to the sidelite or transom
> Seal the mullion to the transom or sidelite, making sure that the anchoring tabs at the end are facing the exterior of the unit

STEP 3
Secure transom/sidelite to mullion
> Drill 3/8" countersink holes through the transom or sidelite and into part a at 18" o.c. spacing, no closer than 3" from either end
> Using fasteners (c), secure the mullion and transom/sidelite together
> Cover with plug covers (d)

STEP 4 & 5
Join transom/sidelite to patio door
> Run a bead of caulk along the side of the aluminum mullion that will be joined to the patio door. Apply liberally at ends
> Align the transom or sidelite to the patio door, and seal
> Set one of the PVC mullion covers (b) over the area where the units intersect, covering the mullion. Install using a low-impact hammer or steel hammer with wood block

STEP 6
Secure transom/sidelite to patio door
> For a transom mull, drill 3/8" countersink holes at 18° o.c. spacing through head of patio door, no closer than 3" from either end
> For a sidelite mull, remove jamb covers and drill 3/8" countersink holes at 18° o.c. spacing through side jamb of patio door, no closer than 3" from either end
> Using fasteners (c), secure the mullion and transom/sidelite together
> Cover screw holes with plug covers (d)
Note: replace jamb covers that were removed if mulling sidelite

STEP 7
Caulk the ends
> Apply a liberal amount of caulk into the hollow ends of the tube mull (interior and exterior-facing, and at both sides) until the ends are completely filled

STEP 8
Complete with flashing tape
> Apply large flashing tape (e) so that it covers the mull connection at both ends just behind the nail fin
> Apply small flashing tape (f) so that it covers the mull connection at both ends just in front of the nail fin. Upon completion, the application of the flashing tape should resemble the inset figure
Note: Upon installation, secure aluminum tabs with a lag screw (not included) that penetrates the framing at least 1". This will properly distribute the wind load for the opening

Flip unit over and follow the same instructions above for other side

STEP 9
Parts
(a) 1" Aluminum tube (mullion) with tabs cut to 1-3/8" long. Sidelite mullion includes 1 tab only (x1)
(b) 1" PVC mull cover (x2)
(c) One package #8 x 1" self-tapping pan head screws
(d) One package 3/8" PVC plug covers
(e) Large flashing tape (x2)
(f) Small flashing tape (x2)
(g) Caulk (sealant - not included)