301 SERIES TILT & TURN DOOR & SIDE LITE

A good installation ensures lasting door performance.

1. Handle carefully.
   Store with non-abrasive separators between frames. Doors should be stored in a place protected from weather.

2. Alternates - doors should not be load bearing after installation.
   Doors should not be modified to accommodate air conditioners, exhaust fans, etc.

3. R.O. - product was developed & tested in a door wall interface system designed to manage water.
   See brick veneer sill example 4) below for low to moderate design pressure requirements.

5. Sill Anchorage:
   a. Set the 1/8" thick installation angle on sealant and fasten down to substructure.
   b. Apply toe bead at the front of the angle.
   c. Apply primer and lap end dams.
   d. Install membrane wrapping angle. Wrapping around upstanding leg is preferred.
   e. Apply generous amount of sealant on the membrane at the exterior face of the installation angle.
   f. Set 1/4" min. shims on membrane. Set drip flash on sills as below.
   g. Set door on sills & flashing.
   h. Secure door at head. Fasten door to installation angle.
   i. Tool squeeze out at top of installation angle to door sill. If not present apply post installation bead & tool.

*ANCHORING METHOD FOR SINGLE DOOR - a) Set door level in substrate. b) Anchor door in two opposite or diagonal corners. c) Open sash small distance from frame. d) Rotate unanchored corners of door inward or outward until gap between sash & frame is equidistant at opening edge. e) Fasten anchors in remaining corners. f) Close window & check that lock engages easily. g) Apply rest of anchors as per recommended anchor locations.

6. Head & Jamb Strap Anchor Anchorage:
   a. Snap strap anchors on door frame at locations as specified in 7 below or as per engineering recommendations.
   b. Shim the space between the door and R.O. (rough opening) at the strap anchor locations.
   c. Fasten strap anchors to R.O.
   d. Corner anchors - secure at corners or 100mm (4") maximum from the corners.
   e. Perimeter anchors - spacing should not exceed 600mm (18") on center.
   f. Mullion and transom anchors - always anchor within 100mm (4") maximum from mullion or transom (it is always a critical area for anchorage).

8. Perimeter Cavities - Between door frames and rough opening (R.O.). Insulate continuous around inner perimeter of door with low expansion foam or fiber type insulation. Caution: Do not distort frame by over filling or overpacking.

9. Caulk the exterior perimeter to provide seal between wall and door designed & constructed to minimize the passage of rain & snow.

10. Caulk interior perimeter between door, wall, installation angle, around strap anchors & anchor screw heads with continuous bead designed & constructed to intercept all precipitation.

11. At exterior door sill:
   a. Caulk the top of flashing to door sill.
   b. Createweep slots at sill exterior bead to effectively dissipate any precipitation to exterior. (Steps 9-11 required to meet tested air & water resistance levels).

12. Maintenance - Wash glass, frame, & hardware with non-abrasive cleaner & water. Clean & lubricate with only silicone lubricant all hardware & weatherstrip immediately after door is installed & every six months min.

13. Note: All sealant application shall include the following steps:
   a. Surface preparation wipe the surface with alcohol.
   b. Proper sealant bead dispensing. Use right nozzle size.
   c. Tooling of bead to achieve proper shape & bond.

Diagram:
- 7a - 7b - 7c - 7d - 7e - 7f
- 6a - 6b - 6c - 6d
- 5a - 5b - 5c - 5d
- 4a
- 3a - 3b - 3c - 3d - 3e - 3f
- 2a - 2b - 2c - 2d - 2e - 2f

Example: Masonry water management at sill.

Diagram: 1" air space.

Diagram: 300 INST. JUNE /18