

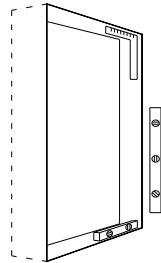


# Installation Instructions (I)

## AD Entrance Systems

### 1. Preparing Rough Opening (RO):

- The rough opening should be 1" wider and 1/2" taller than the outside frame dimensions of the door system.
- The RO should be plum, square and level. The existing sub-sill should be clean, level and fully supported THE FULL LENGTH.

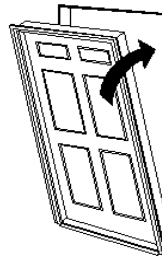


### 2. Caulking the Sub-Sill:

Apply three 1/4" lines of caulk (acrylic caulk recommended) along the length of the sub-sill: the first line starting approximately 1" from the inside edge and the lines being about 1" apart.

### 3. Placing the Door in the RO:

- Place the (closed) door in the RO from the outside making contact on the outside of the sill first and TILT into place. DO NOT PUSH making sure not to disturb caulk on sub-sill!
- Make sure the unit sits at perfect right angle, level and plumb.



### 4. Checking Alignment:

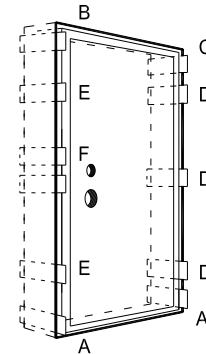
- For all door types, the frame should be in a straight vertical plane and should not be twisted.
- Stand on the outside of the door and check that the weather-stripping on the lock side is evenly compressed along the entire height of the door slab without any pinching or gaps.

### 5. Shimming and Fastening Single Doors:

Note: Install all shims to support both Int. & Ext. of jambs.

- Stand on the inside of the door and center the door on the RO. Shim tightly at the bottom corners of the door unit (Point A), to keep the door centered and the frame tight against the sill.

- Shim the top of the door on the lock side (Point B). Install shims until there is a consistent 1/8" gap between the top of the door slab and the frame header (as seen from inside).
- Shim the hinge side of the frame (Point C). This will hold the door tight in its position relative to the frame. The door should operate freely with only shims holding it in place.



### **STOP HERE!!**

At this point, installer must make sure that the door is being installed LEVEL, SQUARE and PLUMB and that the door slabs line up with the door boxes and the weather stripping. Make sure that the threshold is on a flat level surface and properly sealed.

**Do NOT proceed further without checking the above or without notifying the dealer of any problems lest the warranty is void!**

- With the door closed and from the inside, shim directly behind the vacant hinge screw hole in each hinge (Point D) until there is a consistent 1/8" gap between the hinge-side jamb and the door slab edge along the entire height of the door.

Install one of the supplied 2-1/2 #10 screws through the vacant hole in each hinge, through the jamb and shims and into the stud.

- Shim behind the lock-side (Point E) approximately 8" from the top and bottom of the frame. Install shims until there is an even 1/8" gap between the jamb and the edge of the door slab along the whole length of the door.
- Shim behind the lock-side jamb (Point F) just above and below the dead bolt hole, maintaining the 1/8" gap.

For single doors, install the supplied 3 inch #8 screws concealing them under the weather stripping through the jambs and shims (located as shown) and into the studs.

For vinyl clad doors with fixed slabs or sidelites, install the screws through the fixed jambs using the supplied vinyl washers with covers.

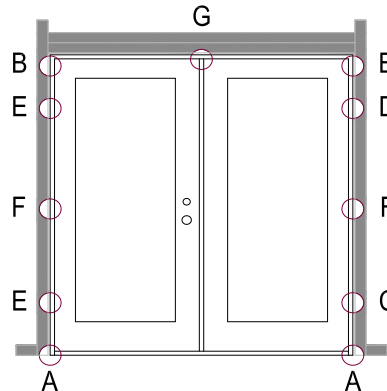


## Installation Instructions (II) AD Entrance Systems

# Installation Instructions for AD Entrance Systems

### 6. Shimming and Fastening Double Doors & Doors with Astragals:

- Follow the sequence shown on the figure (from A to F).
- When installing a double door with an astragal post, where there is no center support under the extra long header, shim this area (Point G) maintaining the 1/8" gap between the top of the door slab and the frame header (as seen from inside).
- Install one 3" screw up through the head and shims and into the stud, to maintain this straight sight line.



### 7. Insulation

Insulate the space between the door frame and the rough stud opening using low expansion foam or other insulating material making certain that the insulation is not compacted. Check that the insulation has not forced the frame jamming the door frame against the door slab.

### 8. Finishing

- When brickmould is used as exterior trim, a drip cap or flashing over the top of the brickmould is recommended to prevent water from going behind the brickmould at the top of the trim.
- Apply caulking on:
  - Around entire frame on exterior wall
  - Intersection of jamb and threshold**
  - At bottom of outside threshold where it meets building structure

### 9. Adjust Sweep

Adjust the door sweep height at the bottom of door slab using installed screws making sure that it is making even contact the full length of the threshold.

### 10. Surface Preparation and Painting

- Clean all surfaces to be painted with Trisodium Phosphate (TSP) and lightly sand them for better adhesion.
- Wipe off the surface to remove any particles.
- Apply good quality exterior latex paint.

Note: Paint any exterior unfinished wood frames and trims within 45 days of installation, or warranty will be void.  
Utility door slabs, including slab edges, should be painted as well.

*\* Our standard door slabs are prefinished and don't require painting.*

**Please refer to the current National Building Code (NBC).**

**Please strictly follow ALL steps in this instruction  
to Prevent Voiding of Warranty.**