

Stanley Access Technologies  
**Quick-Reference Guide**



**7600 Series ICU Door System**  
**Installation Instructions**  
**Quick-Reference Guide**  
**204022**  
**Rev. A, 8/09/05**

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**Quick-Reference Guide**

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## 1. PURPOSE

### 1.1 **Discussion**

This manual provides installation instructions for the Stanley 7600 Series ICU door system. The 7600 Series ICU door is a fully manual door system that features a two-panel bifold on one side and a single-panel swing door on the opposite side. The door can be ordered with the bifold door on the left and the swing door on the right or vice versa. The bifold portion can be ordered to fold in or out. The swing door is also bidirectional. The most common application for the door system is a hospital intensive care unit.

### 1.2 **Applicability**

This manual is applicable to the Stanley 7600 Series ICU door system.

### 1.3 **Features and Functions**

The 7600 Series ICU door system includes the following features:

- Swing door crash bars (factory installed)
- A swing-door closer assembly embedded in the header. The closer assembly includes two setscrews. One screw adjusts the door closing speed as it closes from 105° to 15°. The other screw adjusts the latch closing speed throughout the last 15°.
- A 105° hold-open feature. When the swing door is opened to greater than 105° the door closer holds it open.
- Finger guards over the jambs and between the two folding doors
- Adjustable bottom pivots
- Top pivots

The door system can be ordered with a factory-installed seven-segment lock for the swing panel.

## 2. PREREQUISITES

2.1 Protective barrier (caution/warning tape) has been set up to prevent unauthorized access to work area.

2.2 Attachment 1 has been reviewed for the following:

- Definitions of the terms used in this procedure
- A listing of the additional documents required during this procedure
- A listing of the tools, equipment, materials, and consumables used in this procedure.

### 3. INSTALLATION INSTRUCTIONS

#### 3.1 **Checking the Rough Opening**

3.1.1 ENSURE floor is level across the entire opening.

#### **NOTE**

Opening width should be package width plus  $\frac{1}{2}$ " ( $\frac{1}{4}$ " each side for shim and caulk clearance). This clearance can be as small as  $\frac{1}{8}$ " for a tight appearance with the aluminum storefront construction.

3.1.2 CHECK opening width.

3.1.3 CHECK opening height from *finished* floor.

3.1.4 SWEEP floor.

#### 3.2 **Attaching the Jambs to the Header**

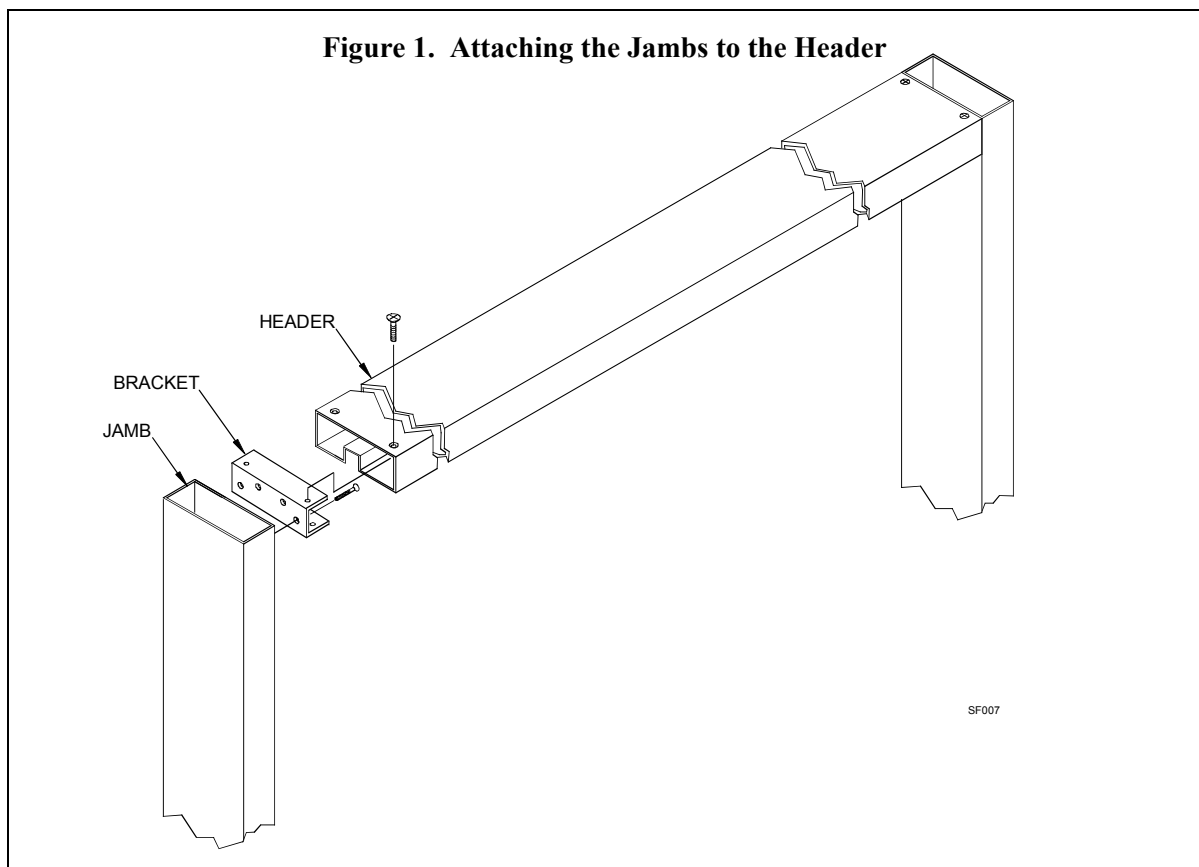
3.2.1 Temporarily REMOVE jamb finger guards from jambs.

3.2.2 Refer to Figure 1, and, using four  $\frac{1}{4}$  -20 X 1" screws, ATTACH header bracket to rivnuts in jamb.

3.2.3 POSITION end of header extrusion over the header bracket.

3.2.4 Using four  $\frac{1}{4}$  -20 X  $\frac{3}{4}$ " CS screws, ATTACH header to header bracket.

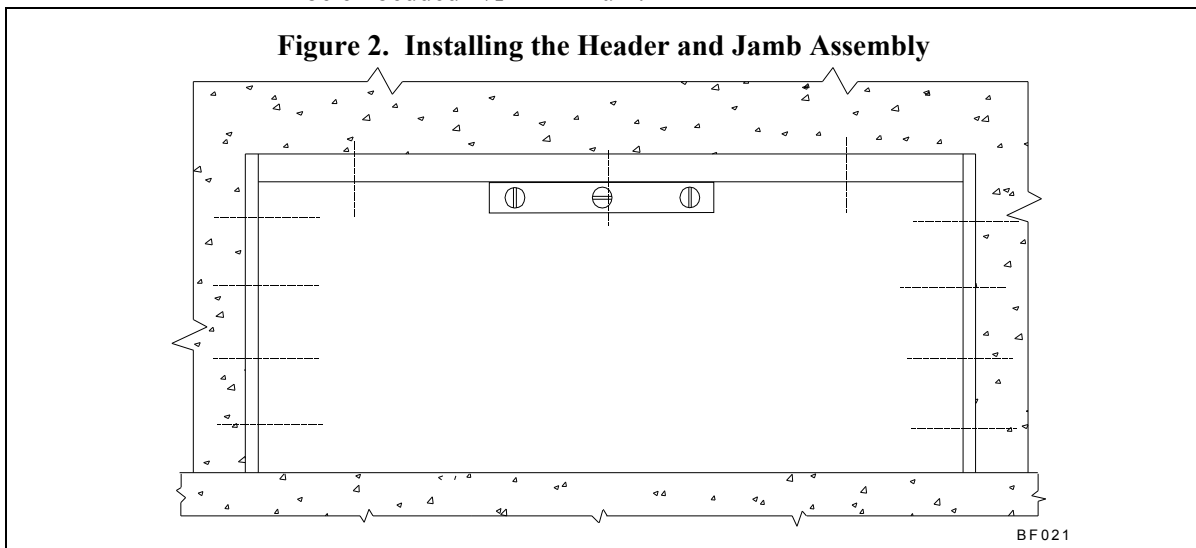
3.2.5 REPEAT Section 3.2 for opposite end of header.



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### 3.3 Installing the Header and Jamb Assembly

- 3.3.1 LIFT header and jamb assembly and POSITION into opening.
- 3.3.2 Temporarily SECURE frame in place as necessary to prevent header and jamb assembly from falling.
- 3.3.3 SHIM beneath jamb(s) as necessary to level header and maintain required height from highest point of finished floor.
- 3.3.4 INSPECT one jamb for plumb in vertical and horizontal planes. IF required, SHIM back of jamb.
- 3.3.5 Refer to Figure 2, and, using the previously drilled jamb holes as a guide, DRILL holes in rough opening for the following fasteners as required:
  - IF rough opening is concrete, DRILL ¼" dia. hole for concrete screw, and ENSURE screw will be embedded 1½" minimum.
  - IF rough opening is steel, DRILL #14 SMS (Note 18 GA steel minimum).
  - IF rough opening is wood, DRILL for #14 wood screw, and ENSURE screw will be embedded 1½" minimum.

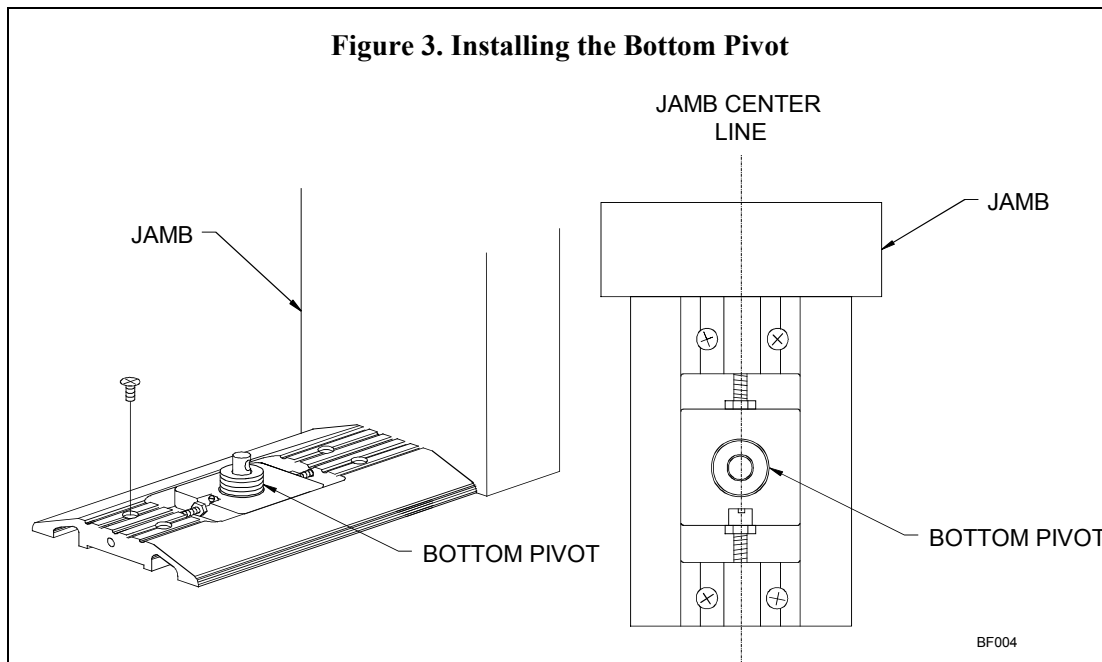


- 3.3.6 INSTALL, but do *not* tighten, fasteners securing one jamb to opening, and ENSURE jamb remains plumb.
- 3.3.7 INSPECT opposite jamb for plumb in vertical and horizontal planes. IF required, SHIM back of jamb.
- 3.3.8 Using the previously drilled jamb holes as a guide, DRILL holes in rough opening.
- 3.3.9 INSTALL, but do *not* tighten, fasteners securing jamb to opening, and ENSURE jamb remains plumb.
- 3.3.10 Starting at the top of jamb and moving downward, SHIM jambs as necessary to ensure jambs remain level and plumb, and TIGHTEN fasteners securing jambs to opening.
- 3.3.11 INSTALL and TIGHTEN fasteners securing header to opening, and ENSURE header remains level.

### 3.4 Installing the Bottom Pivot

3.4.1 Refer to Figure 3, and INSTALL bottom pivot as follows:

- a. CENTER the bottom pivot to the jamb, and ENSURE bottom pivot is tight against jamb.



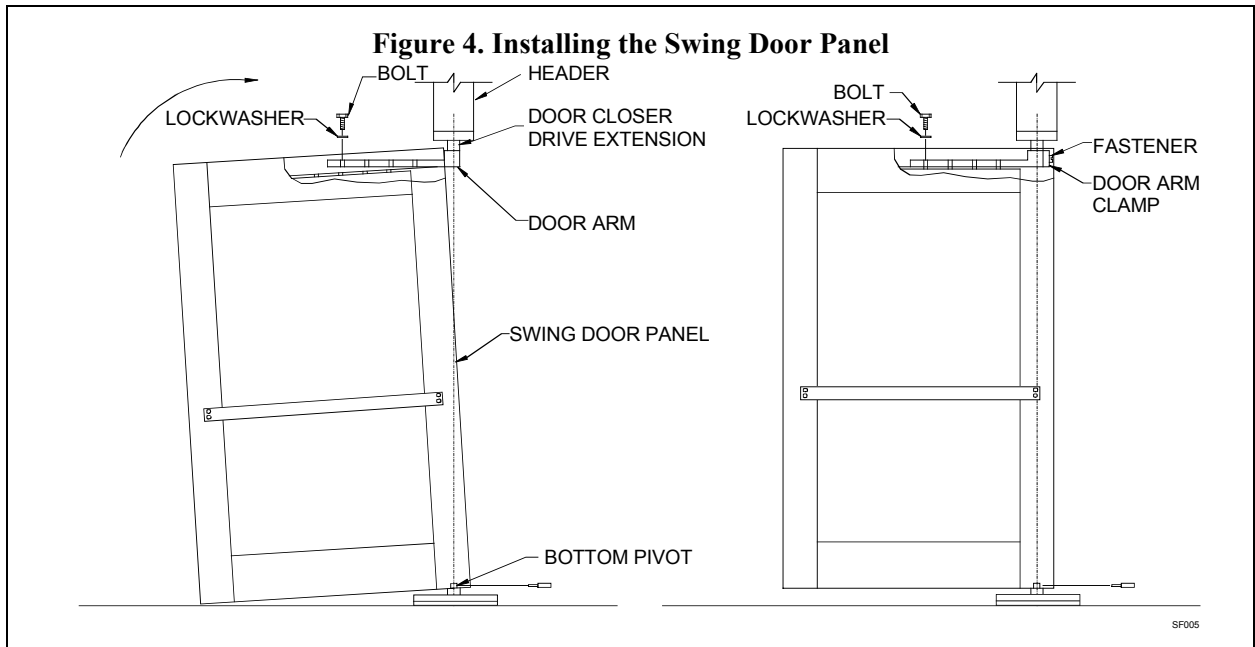
- b. Using predrilled holes in bottom pivot as a guide, DRILL bottom pivot mounting holes into floor.
- c. FASTEN bottom pivot to floor.
- d. REPEAT step 3.4.1 for second bottom pivot.

### 3.5 Installing the Door Panels

3.5.1 FASTEN finger guards to jambs.

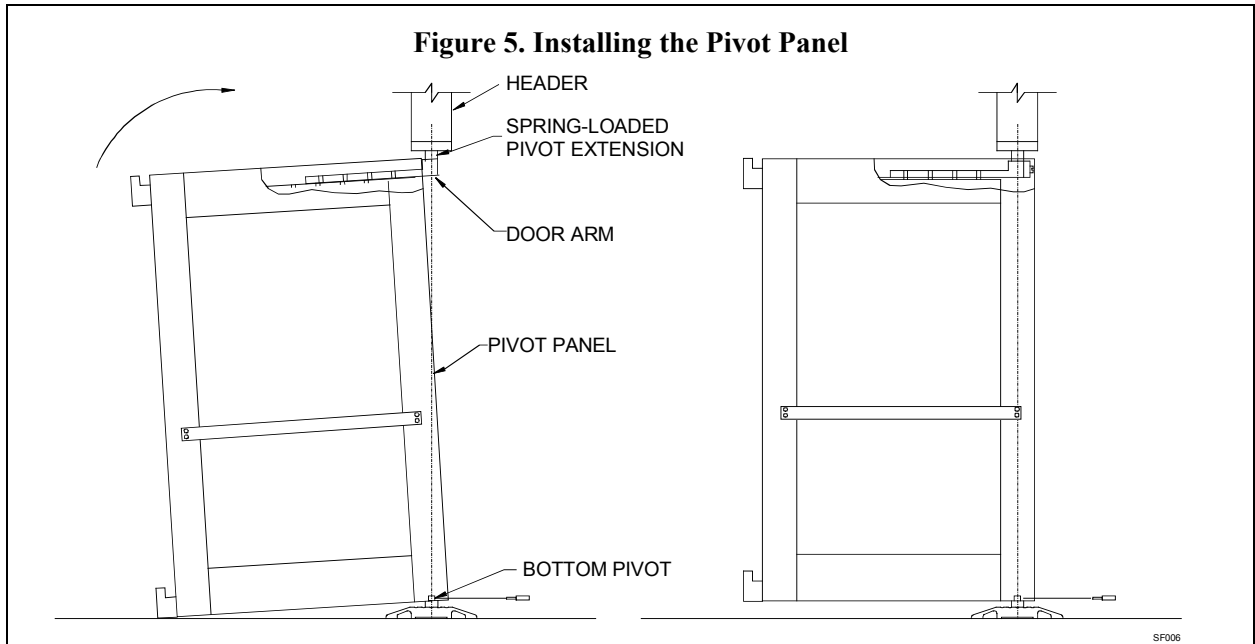
3.5.2 Refer to Figure 4, and INSTALL swing door as follows:

- a. ENSURE glass stops and lock cylinder are correctly positioned with respect to the door application (swing-in or swing-out).
- b. POSITION bottom of panel onto bottom pivot
- c. With door parallel to header, POSITION door arm into end of panel top rail.



- d. TILT panel upward and ALIGN top of panel with door arm.
- e. FASTEN door arm to panel top rail, and SHIM as necessary.
- f. INSTALL and TIGHTEN fasteners securing door arm clamp to door arm and door closer drive extension.

3.5.3 Refer to Figure 5, and INSTALL pivot panel as follows:



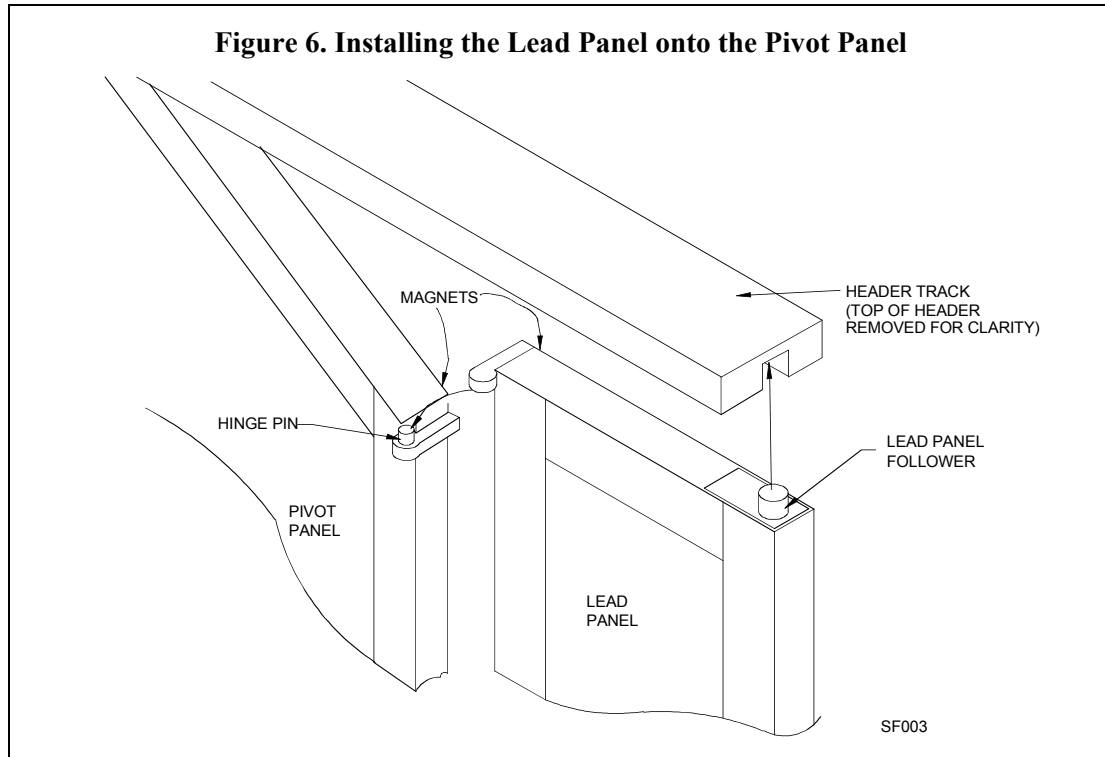
- a. ENSURE glass stops and lock cylinder are correctly positioned with respect to the door application (fold-in or fold-out).

### NOTE

On a fold-in application, the hinge pin is on the building exterior side. On a fold-out application, the hinge pin is on the building interior side.

- b. POSITION bottom of panel onto bottom pivot, and ENSURE position of hinge pins corresponds to desired door configuration.
- c. With door 90° to header, POSITION spring-loaded pivot into door arm.

3.5.4 Refer to Figure 6, and INSTALL lead panel as follows:



- a. LIFT lead panel and position it onto pivot panel hinge pins.
- b. On the inside edge of the lead FX stile, RELEASE the lock lever that retracts the lead panel follower.
- c. POSITION the lead panel follower beneath the header track groove.

3.5.5 Using the screws provided, INSTALL door handles into predrilled holes as follows:

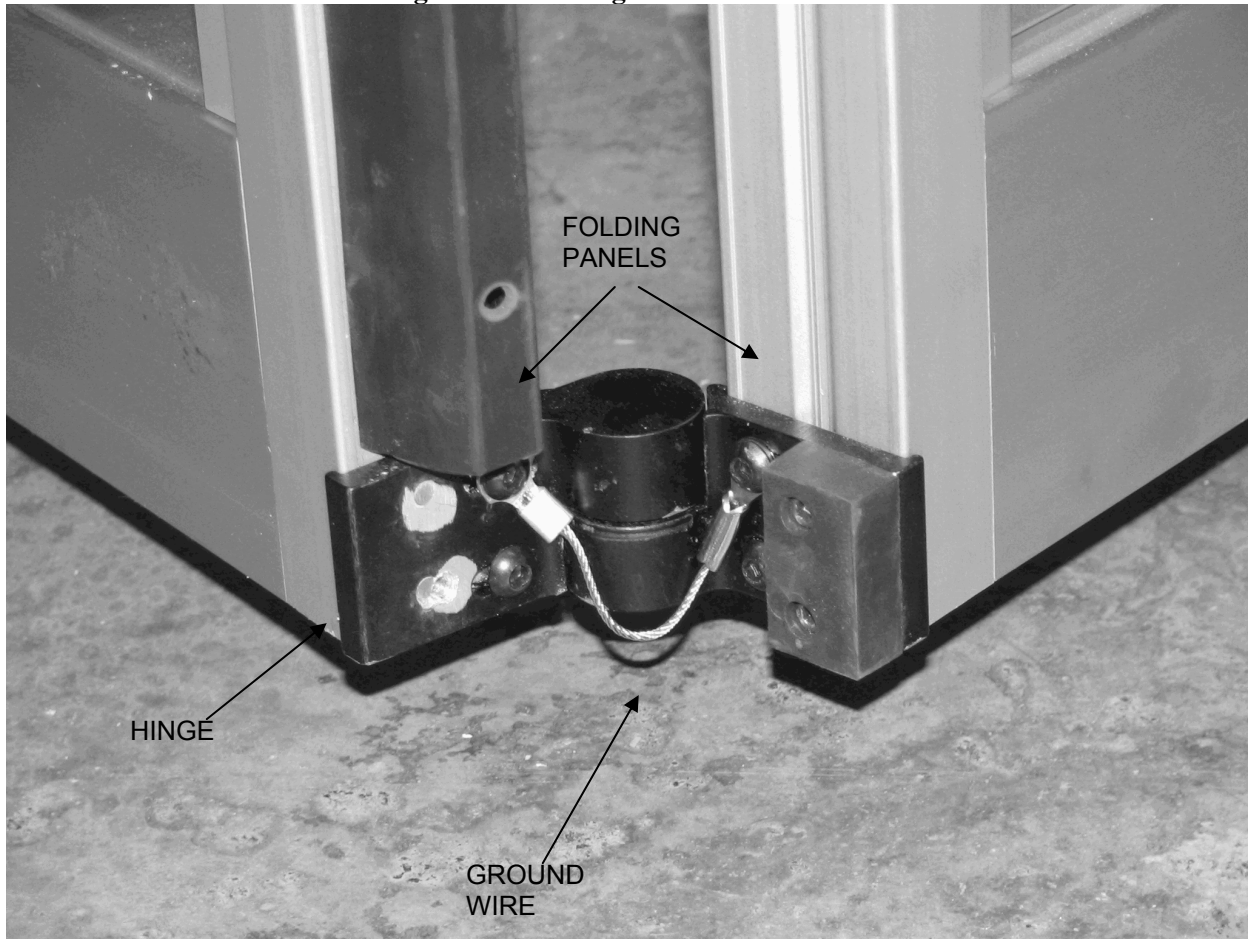
- On the lead FX stile, INSTALL handle on the *inside* of a fold-out door and on the *outside* of a fold-in door.
- On the lead FS stile, INSTALL handle on the *outside* of a fold-out door and on the *inside* of a fold-in door.

3.5.6 Refer to Figure 7, and, using the existing two allen screws, FASTEN ground cable to the bottom hinge of the two folding panels.



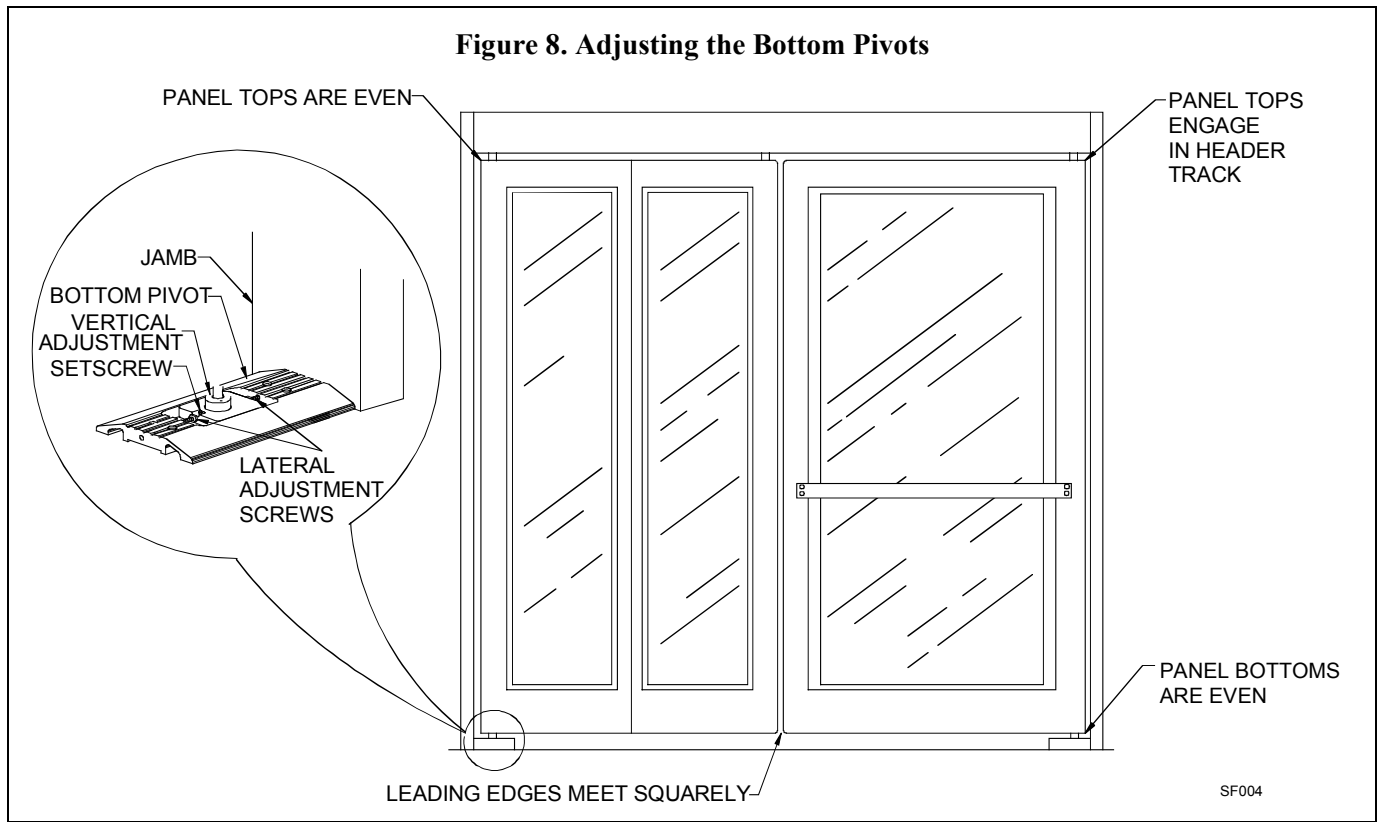
3.5.7 INSTALL glass in door panels.

**Figure 7. Installing the Ground Cable**



### 3.6 Performing Final Adjustments

3.6.1 Refer to Figure 8, and ADJUST bottom pivots as necessary to ENSURE the following:



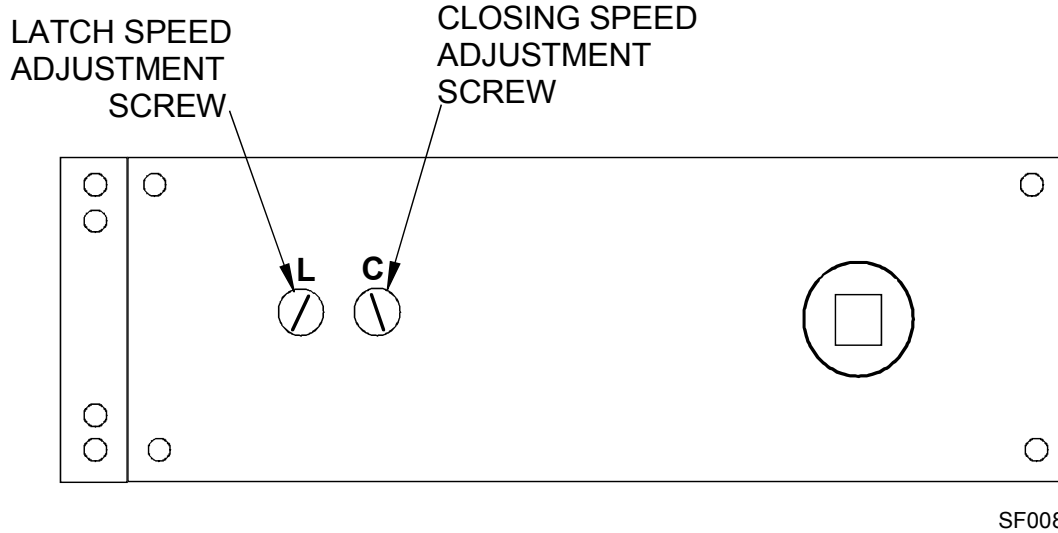
- Vertical leading edges of the lead panels meet squarely and evenly along entire height of panels.
- Tops and bottoms of panels are horizontally even.
- Tops of panels adequately engage in the header track.

#### **NOTE**

When adjusting the latch and closing speeds, clockwise rotation of the adjustment screws decreases speed; counterclockwise rotation increases speed.

3.6.2 Refer to Figure 9, and, using the latch and closing speed adjustment screws, ADJUST door latch and closing speeds.

**Figure 9. Adjusting the Door Latch and Closing Speeds**



**3.7 Performing the Closeout Procedure**

- 3.7.1 ENSURE glass is not cracked or broken.
- 3.7.2 ENSURE glass and metal surfaces are clean.
- 3.7.3 ENSURE door installation area is clean and free of debris.

**CAUTION**

1. Caulk joints of  $\frac{1}{4}$  inch are typical. If caulk gap exceeds  $\frac{1}{2}$  inch, the Installation Coordinator must be consulted to determine corrective actions.
2. The header cover joint must *never* be caulked.

- 3.7.4 IF required, CAULK the following as specified in door specification, work order, or construction documents:
  - Top of header
  - Sides of jambs
- 3.7.5 COMPLETE Work Order and REPORT your actions to Building Superintendent.

**Attachment 1**  
**Documents, Definitions, Tools, Equipment, Materials, and Consumables**  
(Sheet 1 of 1)

**Documents**

- None

**Definitions**

- None

**Tools and Equipment** (including, but not limited to)

- Electric drill, metal drill bit set, concrete drill bit set
- Screwdriver kit

**Materials** (including, but not limited to)

- Glass panels

**Consumables** (including, but not limited to)

- Clean rags