

Series 700 - Floor to Ceiling

1 Inspection- The components for this project have been custom fabricated. They are guaranteed with respect to manufacture and workmanship and were inspected at the factory. Before beginning work, the units should be inspected. If damage occurred in transit, report immediately to the freight company or other agencies that may have caused the damage. The Mills Company is not responsible for the structural ceiling supports.

2 Layout

- A. Review the shop drawings and packing lists that have accompanied this job.
- B. Before proceeding, confirm that backing of walls, ceiling and floor is adequate to support secure mounting of the toilet compartment units.
- C. Confirm correct location and condition of threaded ceiling and floor rods. These should project 2" to 2 - 1/2" in each rod locations.
- D. Establish and mark pilaster and panel center lines in relation to ceiling and floor rod locations.
- E. Mark wall for bracket holes using single or double ear brackets as templates.

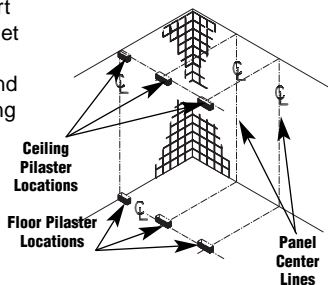


FIGURE 1

3 Wall, Ceiling & Floor Brackets

- A. Drill holes for walls, ceiling and floor brackets of appropriate size for fasteners supplied.
- B. Insert anchoring devices in walls, ceiling and floor. Secure pilaster should be prepared for wall, ceiling and floor fasteners as required by compartment layout.

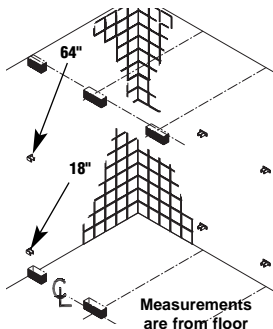


FIGURE 2

4 Position Panel

- A. Place panel on a support, 12" above the floor.
- B. Set it into wall brackets, but do not fasten panel at this time.

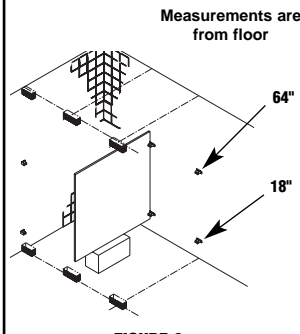


FIGURE 3

5 Pilaster Preparation

- A. Align U-brackets in position on rear of pilasters. Refer to layout drawings.
- B. Fasten U-brackets to pilasters with sheet metal screws.
- C. Pilasters at wall do not require U-brackets.

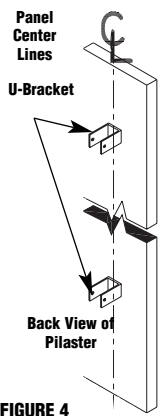


FIGURE 4

6 Install Pilasters

- A. At bottom, insert threaded rod into floor, attach flat washer and anchor nut. Screw supporting nut, and place mounting washer on threaded rods. Position the mounting bracket and pilaster on threaded rods. Place flat washer and locking nut on threaded rod. Loosely tighten into floor.
- C. Connect "L" angle to ceiling with locking screw #14 x 1 3/4". Connect top of pilaster at ceiling to "L" angle with supporting screw.

NOTE: For pilasters against a wall attach one shoe end to the pilaster before assembly into the wall brackets.

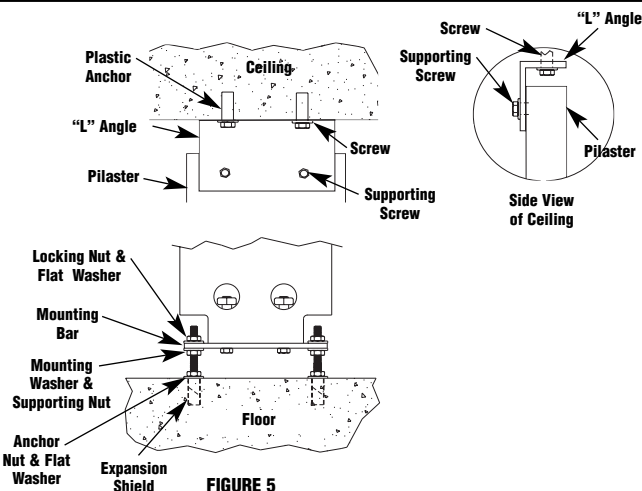


FIGURE 5

7 Securing Pilasters & Panels

Pilasters must be both plumb and level. When erecting multi-compartment installations, adjustments should start with center compartments.

- A. Plumb each pilaster and fasten the pilaster to panel using through-bolts with barrel nuts.
- B. Establish door opening by setting pilaster mounting bar to desired position on threaded rods.
- C. Level each pilaster by adjusting both supporting nuts.
- D. Tighten locking nuts on top of pilaster mounting bar.
- E. Fasten panel to wall brackets using through-bolts with barrel nuts.
- F. Remove panel support device.

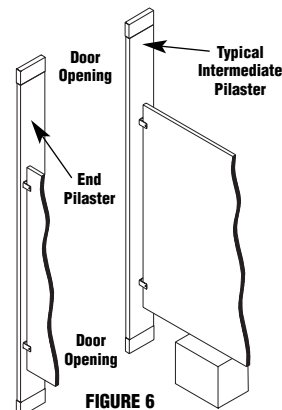
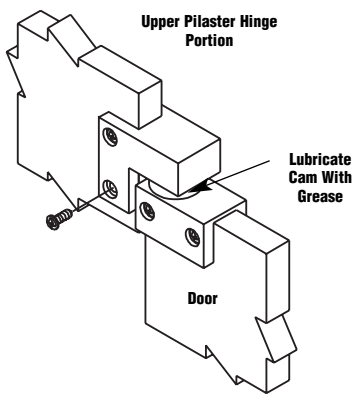


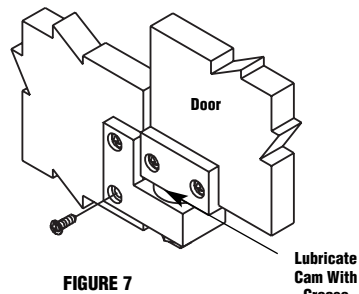
FIGURE 6

Series 700 - Floor to Ceiling (continued)

8 Door Assembly & Hanging With Vault Hinge



Upper Pilaster Hinge Portion



Lower Pilaster Hinge Portion

Lubricate Cam With Grease

9 Slide Latch Assembly

NOTE: Install slide latch on door opposite the hinge side of door. All slide latches should be mounted at midpoint of the door.

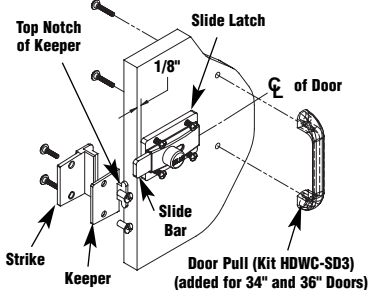
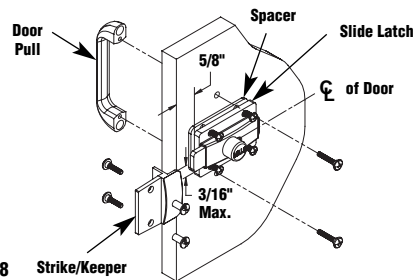


FIGURE 8



Inswing Doors (Kits HDWC-SD1 and HDWC-SD3)

Position the slide latch on the inside of the door centered top to bottom on the door. The leading edge of the latch body should be 1/8" from the door edge. Using the latch as a template, mark the hole locations on the door and attach the slide latch on the door with four #10 x 5/8" one-way sheet metal screws. With the door in the closed position, place the keeper on the pilaster and then align the latch slide bar so that it fits within the top notch of the keeper and operates freely. Using the keeper as a template, mark the hole locations on the pilaster and attach the strike/keeper to the pilaster with two #10-24 x 3/4" step bolts and two #10-24 x 1/2" barrel nuts. For 34" and 36" doors, mount door pull to inside of door using two #10-24 x 1" step bolts.

Outswing Doors (Kit HDWC-SD2)

Position the slide latch and spacer on the inside of the door centered top to bottom on the door. The leading edge of the latch body should be 5/8" from the door edge. Using the latch as a template, mark the hole locations on the door and attach the slide latch and spacer on the door with four #10 x 1" one-way sheet metal screws. With the door in the closed position, place the strike/keeper on the pilaster and align the top of the strike/keeper so that it is 3/16" maximum above the bottom edge of the slide bar. Using the strike/keeper as a template, mark the hole locations on the pilaster and attach the strike/keeper to the pilaster with two #10-24 x 3/4" step bolts and two #10-24 x 1/2" barrel nuts. Mount door pull using two #10-24 x 1" step bolts.

Emergency Access - Lift door causing latch bolt to clear keeper and open.

10 Miscellaneous Hardware

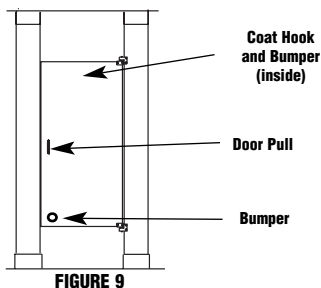


FIGURE 9

- A. Install coat hooks with rubber tips for inswing doors, inside center of door appr. 4" down from top. (Use coat hooks w/out rubber tips for outswing doors.)
- B. For ADA compartments mount door hook, center of door, 48" to 52" off of finished floor. (recommended only)
- C. Install door bumper for outswing doors on the outside of the door, lower corner opposite the hinge side or on adjacent wall.

11 Installation Pilaster Shoes

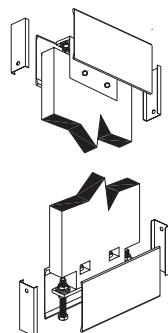


FIGURE 10

NOTE: Insertion of the screws can be facilitated by pre-drilling with a 7/32 dia. drill.

- A. Obtain appropriate length shoe faces and insert a shoe end to the pair of faces making a three sided box.
- B. Position this box around the pilaster.
- C. Slide remaining shoe end into the open side of the shoe faces.
- D. Attach shoe faces to pilaster using #14 x 3/4" tamper resistant screws.

12 Care & Maintenance of Toilet Partitions

In order to provide toilet partitions with the proper care and maintenance, the following instructions must be followed.

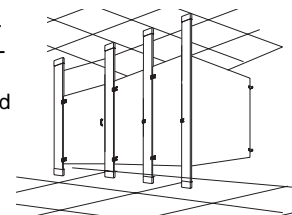


FIGURE 11

- A. All surfaces must be kept clean with water and a mild soap solution only. The finish must be wiped dry following cleaning.
- B. In high humidity areas, the rooms must be properly ventilated.
- C. For maximum protection periodic application of any standard furniture wax will be beneficial.
- D. Vault hinge may need lubrication after a period of time, white lithium grease is recommended.



WARNING



Under no circumstances should these components be subjected to:

- Abrasive powders or pads - Water closet cleansers - Ceramic tile cleansers
- Solutions containing more than 1% by volume of ammonia
- Solutions containing acids or lye - Solutions containing enzymes

Attention to work progress during new construction or renovation is important. Other trades and cleaning services may use agents for ceramics and tiles that will damage these components.