



INSTALLATION INSTRUCTIONS FOR
POLYMER SOLID PLASTIC PARTITIONS

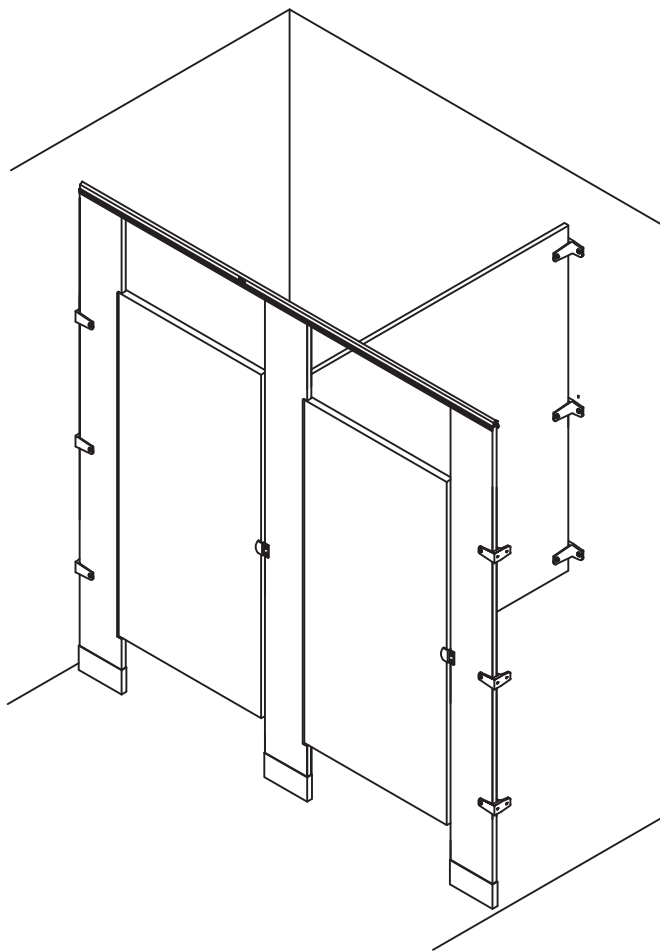


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The Components for this project have been custom fabricated. They are guaranteed with respect to manufacture and workmanship and were inspected at the factory.

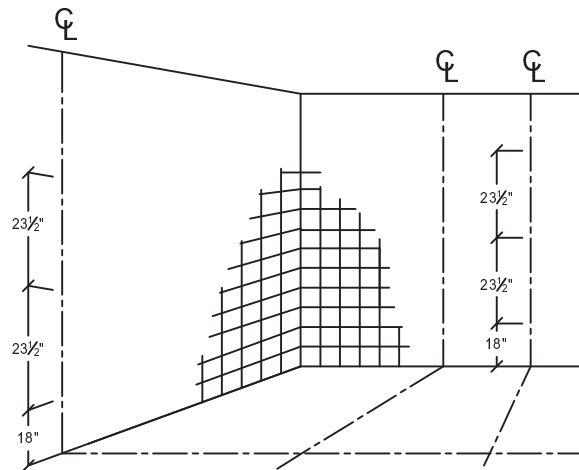
Before beginning work, the units should be inspected. If damage occurred in transit, report immediately to the freight company or other agencies that may have caused the damage.

STEP 1 LAYOUT FLOOR ANCHORED/OVERHEAD BRACED

NOTE: FLOOR MUST BE CONCRETE

- Review the layout drawings and package lists that have accompanied this job.
- Before proceeding, confirm that backing of walls and floor is adequate to support secure mounting of the toilet compartment units.
- Establish and mark pilaster center line from back wall.
- Establish and mark panel center lines for wall brackets.
- Establish pilaster floor fastener locations from side wall according to shop drawings. (Note floor fasteners are located 3/4" from edge of pilaster.)
- Mark wall bracket holes using brackets as templates.

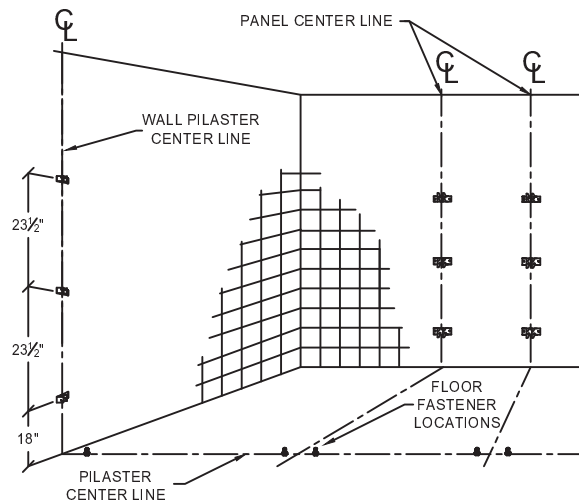
FIGURE 1



STEP 2 WALL BRACKETS AND FLOOR ANCHORS

- Drill holes for wall brackets and floor anchors of appropriate size for particular fastening devices supplied. Typically, 1/4" bit for walls and compartment thru-bolts, and 3/8" bit for floors. As site conditions and hardware combinations vary, an assortment of bit sizes are recommended.
- Insert anchoring devices in walls and secure wall brackets.
- Install wedge anchor, washer and nut into concrete floor and tighten.

FIGURE 2

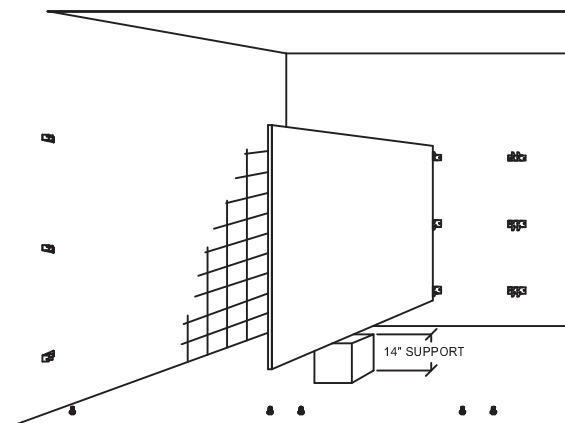


STEP 3 POSITION PANEL

- Place panel on a support, 14" above the floor.
- Set it into wall brackets, but do not fasten panel at this time.

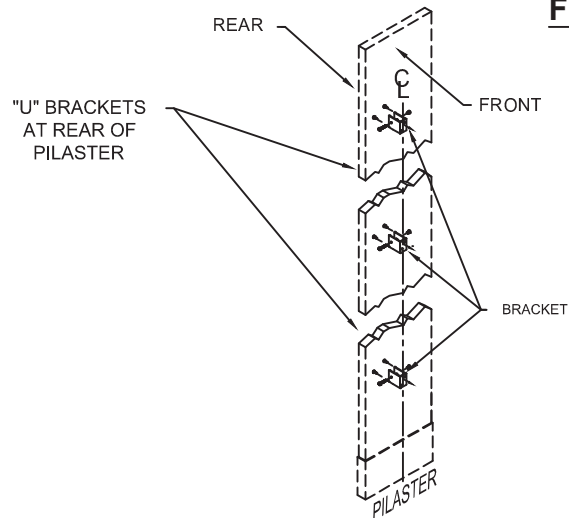
NOTE: Metal heat-sink strip will be on bottom of panel

FIGURE 3



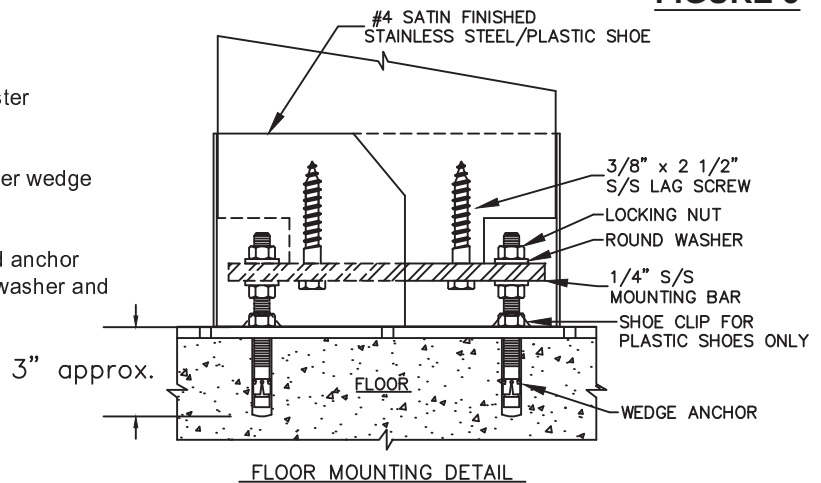
STEP 4 PILASTER PREPARATION

- Align brackets in position on rear of pilasters. Refer to layout drawings.
- Fasten brackets to pilaster with sheet metal screws.
- Pilasters at wall will not have U-brackets, but should be prepared for wall (and floor fastening) as required by compartment layout.

**FIGURE 4**

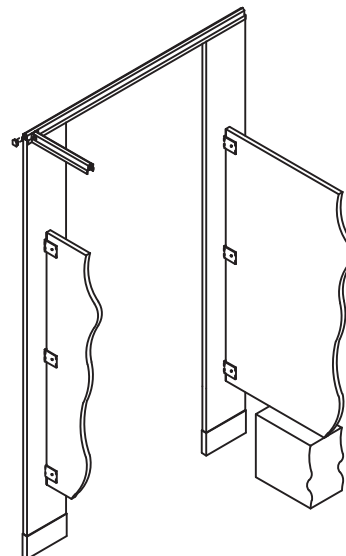
STEP 5 INSTALL PILASTERS

- Slide shoe carefully over mounting end of pilaster and leave approximately 5" above end.
- Thread support nuts and mounting washers over wedge anchor to support pilaster mounting bar.
- Position pilaster and mounting bar on threaded anchor and attach lightly with square flat washer, lockwasher and locking nut.

**FIGURE 5**

STEP 6 SECURING PILASTER/PANEL

- Level each pilaster by adjusting both support nuts to desired position.
- Plumb each pilaster and fasten the pilaster to panel using through bolts.
- Establish door openings by setting pilaster mounting bar to desired position on anchor.
- Tighten locking nuts on top of pilaster mounting bar.
- Slide shoe down to floor level engaging shoe clips, for plastic shoes, if stainless steel shoes use screw.
- Fasten panel to wall brackets using through bolts.
- Remove panel support device.

**FIGURE 6**

FLOOR ANCHORED/OVERHEAD BRACED

PANEL TO PILASTER/WALL

TWO EAR ASSEMBLY








POLYMER

Pilasters must be both plumb and level. To assist in leveling, headrail may be lightly positioned across adjacent pilasters(do not fasten at this time)

A. Plumb panel and fasten panel to two ear bracket at wall with through bolts.

B. Plumb pilaster and fasten pilaster to panel using through bolts..

Panel Hardware Kit (P/N 8445020) Includes:
ALUMINUM

PART ID.	DESCRIPTION	QTY
1	 Two Ear Alum. Bracket	(3)
2	 Alum. "U" Bracket	(3)
3	 Vandal Resistant 1" Step Bolts	(6)
4	 Vandal Resistant 5/8" Barrel Nut	(6)
5	 Vandal Resistant 2 1/2" S.M.S	(6)
6	 Plastic Shields	(6)
7	 Vandal Resistant 5/8" S.M.S	(6)

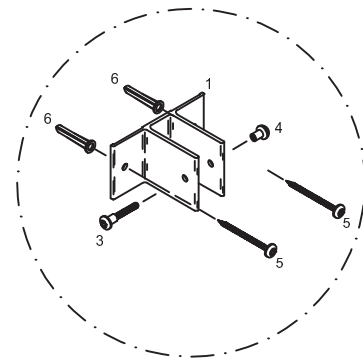
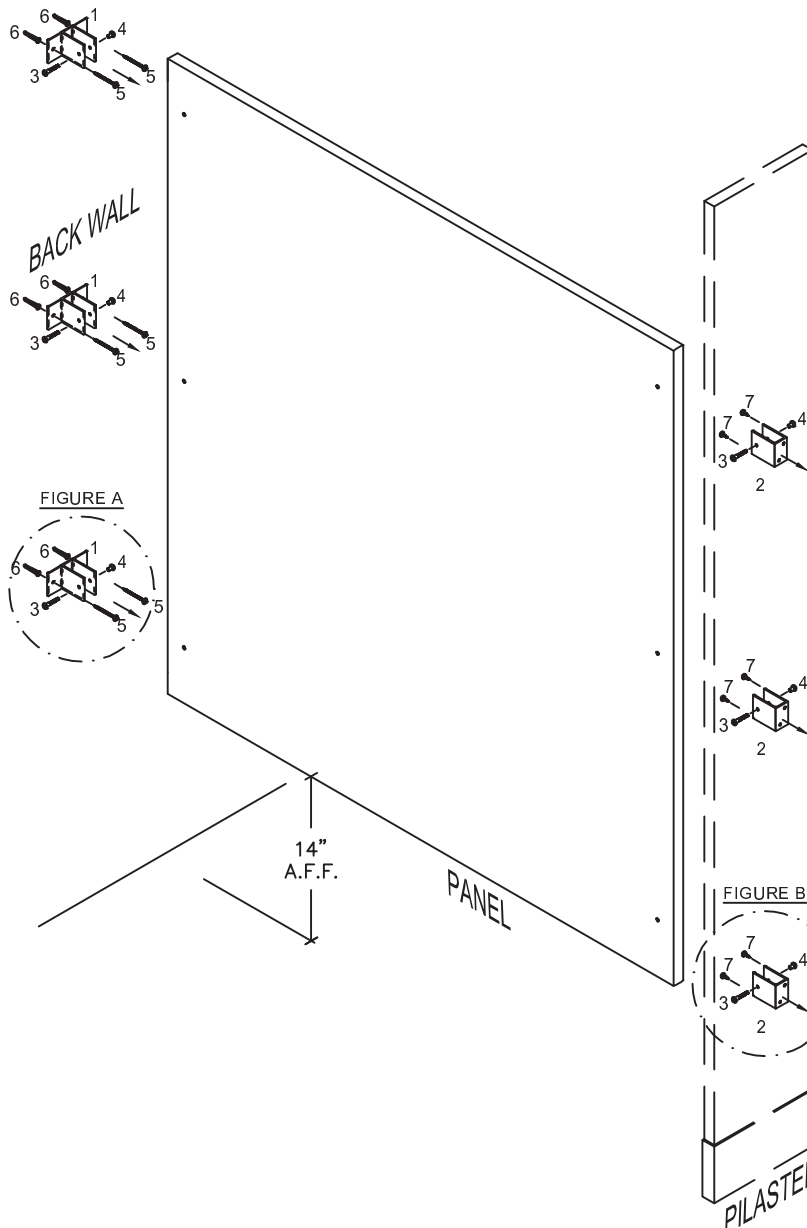


FIGURE A

Panel to wall

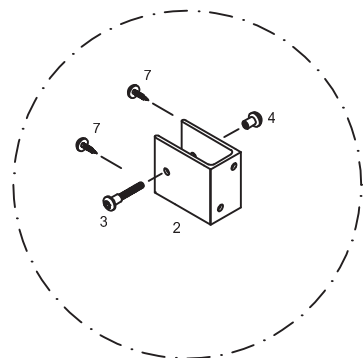


FIGURE B

Panel to pilaster








FLOOR ANCHORED/OVERHEAD BRACED
PANEL TO PILASTER/WALL
TWO EAR ASSEMBLY
POLYMER

Pilasters must be both plumb and level. To assist in leveling, headrail may be lightly positioned across adjacent pilasters (do not fasten at this time)

A. Plumb panel and fasten panel to two ear bracket at wall with through bolts.

B. Plumb pilaster and fasten pilaster to panel using through bolts..

Panel Hardware Kit (P/N 8445020) Includes:
ALUMINUM

PART ID.	DESCRIPTION	QTY
1	 One Ear Alum. Bracket	(3)
2	 Alum. "U" Bracket	(3)
3	 Vandal Resistant 1" Step Bolts	(6)
4	 Vandal Resistant 5/8" Barrel Nut	(6)
5	 Vandal Resistant 2 1/2" S.M.S	(6)
6	 Plastic Shields	(6)
7	 Vandal Resistant 5/8" S.M.S	(6)

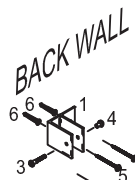
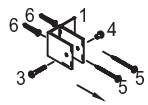
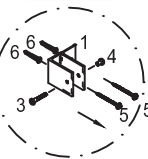


FIGURE A



14"
A.F.F.

PANEL

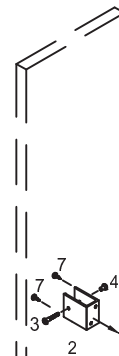
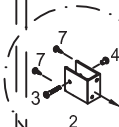


FIGURE B



PILASTER

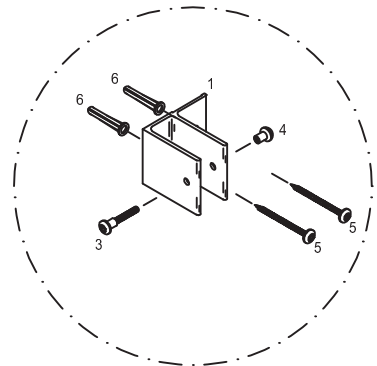


FIGURE A

Panel to wall

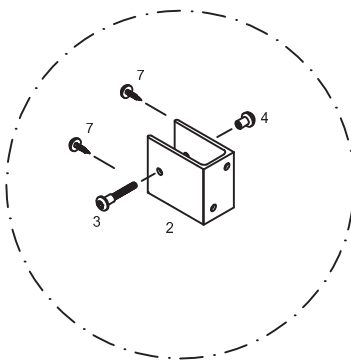


FIGURE B







Panel to pilaster

FLOOR ANCHORED/OVERHEAD BRACED PILASTER/WALL ASSEMBLY POLYMER

Pilasters must be both plumb and level. To assist in leveling, headrail may be lightly positioned across adjacent pilasters (do not fasten at this time)

- A. Establish door openings by adjusting pilaster mounting bar & nuts to desired position and tightening.
- B. Plumb pilaster and fasten pilaster to wall brackets using through bolts.

Pilaster/Wall Hardware Kit (P/N 8445210) Includes:
ALUMINUM

PART ID.	DESCRIPTION	QTY
1	 One Ear Wall Bracket	(3)
2	 Vandal Resistant Step Bolts 1" Long	(3)
3	 Vandal Resistant S/S Barrel Nut	(2)
4	 Vandal Resistant 2 1/2" S.M.S	(6)
5	 Plastic Shields	(6)
6	 Vandal Resistant 3/4" S.M.S	(6)

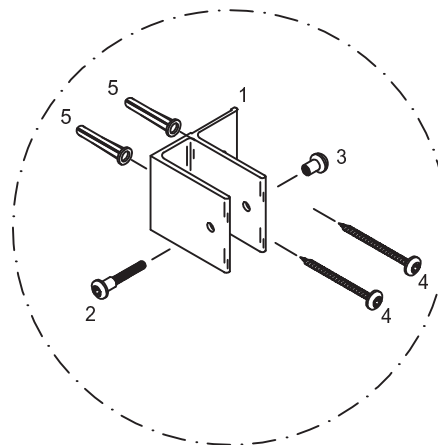
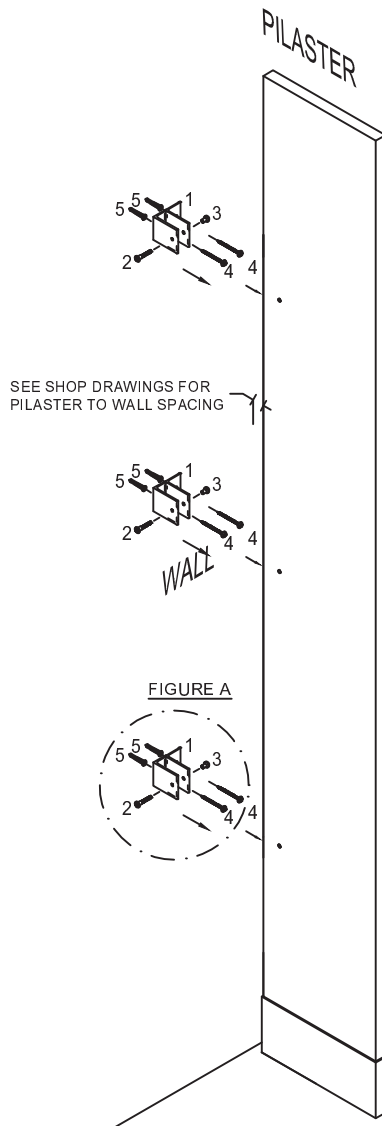










FIGURE A
Pilaster to wall

**FLOOR ANCHORED/
OVERHEAD BRACED
PILASTER/PANEL ALCOVE
ASSEMBLY
POLYMER**

Optional #8447020 2-ear alcove kit.

Panel Hardware Kit (P/N 8447010) Includes:
ALUMINUM

PART ID.		DESCRIPTION	QTY
1		One Ear Alum. Bracket	(6)
2		Vandal Resistant 1" Step Bolts	(12)
3		Vandal Resistant 5/8" Barrel Nut	(12)
4		Vandal Resistant 2 1/2" SMS	(14)
5		Plastic Shields	(14)
6		Vandal Resistant 5/8" SMS	(3)
7		Alcove Clip S/S	(6)
8		Headrail Bracket	(1)

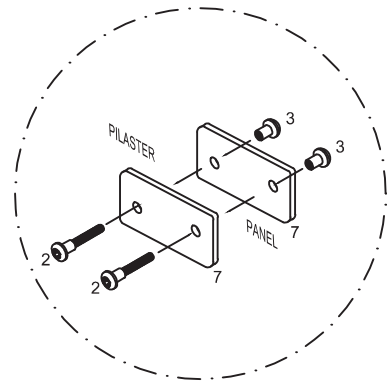
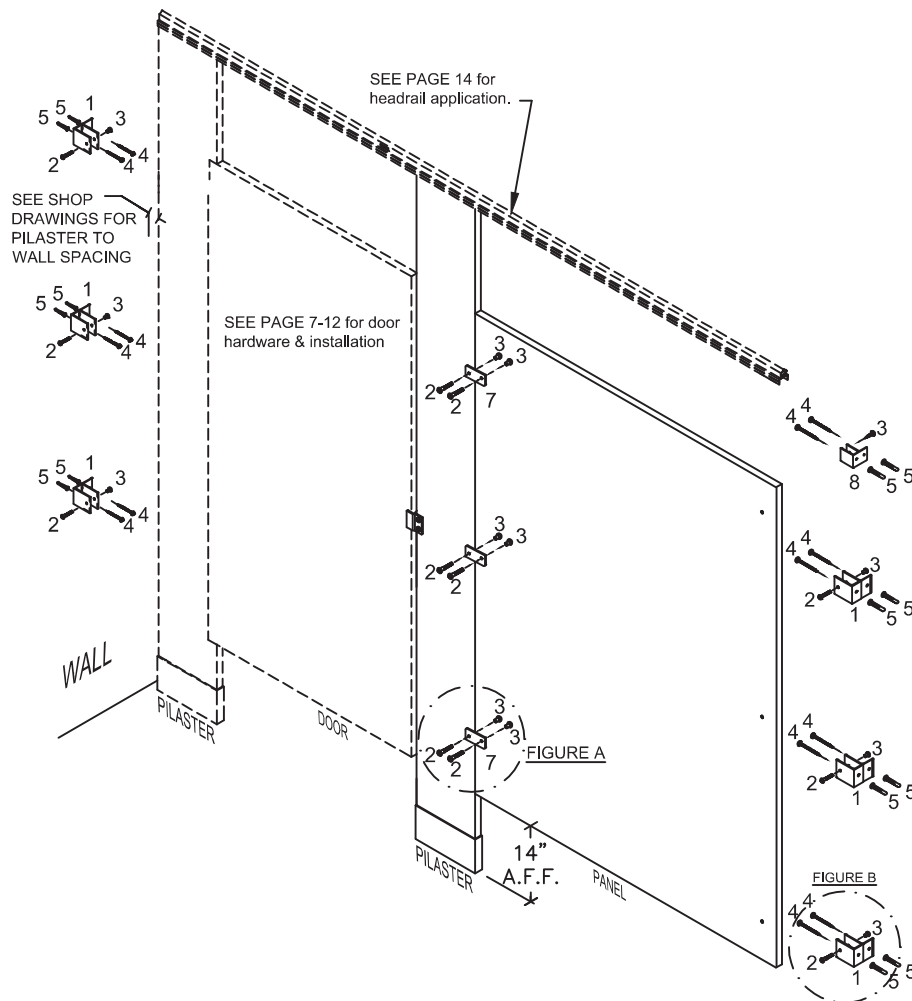


FIGURE A

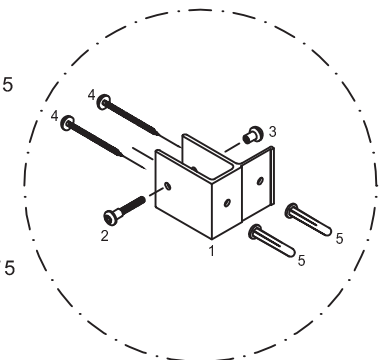


FIGURE B

DOOR HARDWARE

ASSEMBLY-VAULT HINGE

POLYMER












Install slide latch on door oppsite the hinge side of door. All slide latches should be mounted at midpoint of the door , 27 1/2" inches up from the bottom of the door.

INSWING DOOR

Mount the slide latch on to the door with two (2) 1 inch step bolts and two (2) 5/8 inch barrel nuts. Install keeper and bumper on pilaster. Be sure that the keeper and bumper is set so that the slide bar of the slide latch engages the top notch of the keeper. Install keeper/bumper with one (1) 1 inch step bolt and one (1) 5/8 inch barrel nut.

ADJUSTING DOOR RESTING POSITION

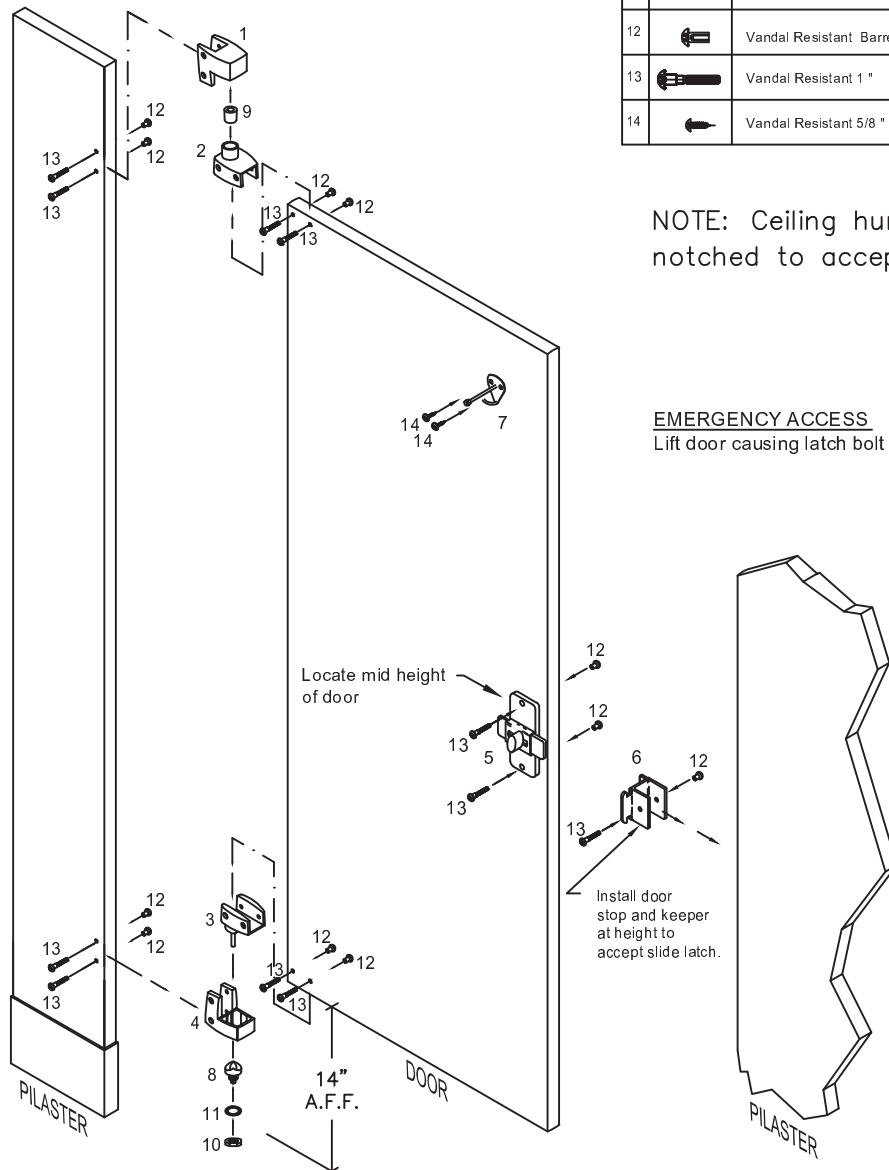
Loosen 10 (Nut adjusting Bottom Hinge) and turn 8 (Cam Adjusting Bottom Hinge) until desired resting position is achieved. Tighten 10.

Inswing Door Hardware Kit (P/N 8571007) Includes: Brushed Finish		
PART ID.	DESCRIPTION	QTY
1	 Vault Hinge Top Pilaster Side	(1)
2	 Vault Hinge Top Door Side	(1)
3	 Vault Hinge Bottom Door Side	(1)
4	 Vault Hinge Bottom Pilaster Side	(1)
5	 Side Latch Brushed Finish	(1)
6	 Inswing Keeper Brushed	(1)
7	 Bumper And Coathook	(1)
8	 Cam Adjusting Bottom Hinge	(1)
9	 Bushing Nylon Top Hinge	(1)
10	 Nut Adjusting Bottom Hinge	(1)
11	 Hinge Washer Internal	(1)
12	<td>(1)</td>	(1)
13	<td>(11)</td>	(11)
14	<td>(2)</td>	(2)

NOTE: Ceiling hung doors will be notched to accept bottom hinge.

EMERGENCY ACCESS

Lift door causing latch bolt to clear keeper and open.



DOOR HARDWARE**ASSEMBLY-VAULT HINGE - OUTSWING****POLYMER**

Install slide latch on door oppsite the hinge side of door. All slide latches should be mounted at midpoint of the door , 27 1/2" inches up from the bottom of the door.

OUTSWING DOOR

Mount the slide latch to the inside face of door.

Use two (2) 1 inch step bolts and two (2) 5/8 inch barrel nuts.

Be sure that the keeper is set so that the slide latch bar is only 1/4 inch (.250) below the top edge of the keeper and does not engage behind pilaster (bumper only).
Install keeper with one (1) 1 inch step bolt and one (1) 5/8 inch barrel nut.

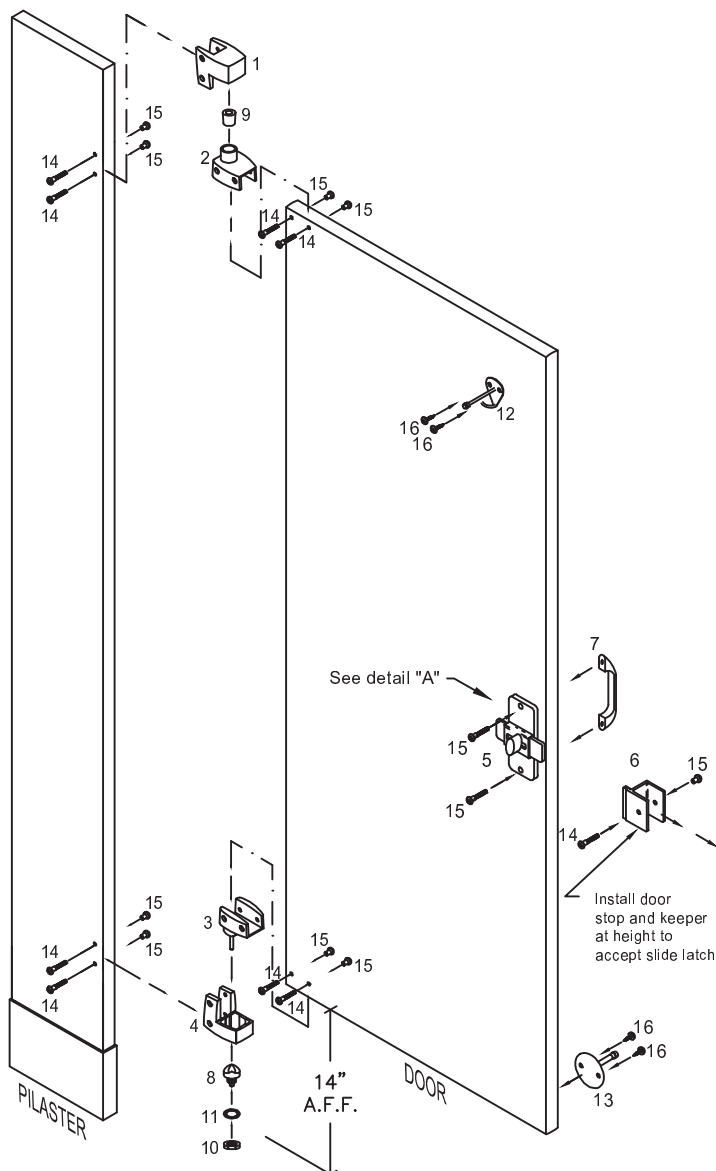
ADJUSTING DOOR RESTING POSITION

Loosen 10 (Nut adjusting Bottom Hinge) and turn 8 (Cam Adjusting Bottom Hinge) until desired resting position is achieved. Tighten 10.

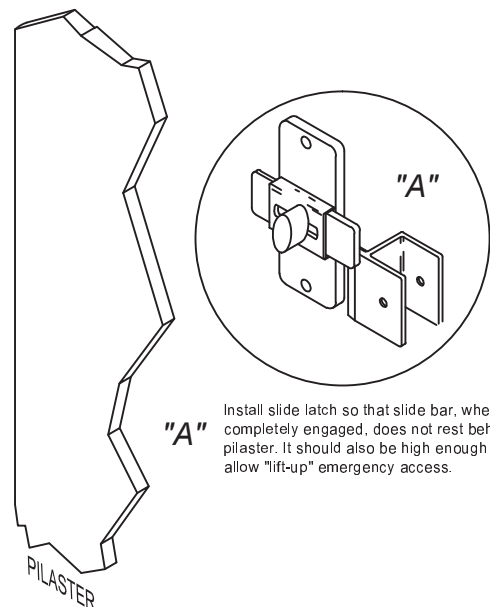
EMERGENCY ACCESS

Lift door causing latch bolt to clear keeper and open.

Outswing Door Hardware Kit (P/N 8571008) Includes: Brushed Finish		
PART ID.	DESCRIPTION	QTY
1	Vault Hinge Top Pilaster Side	(1)
2	Vault Hinge Top Door Side	(1)
3	Vault Hinge Bottom Door Side	(1)
4	Vault Hinge Bottom Pilaster Side	(1)
5	Slide Latch Brushed Finish	(1)
6	Outswing Slide Latch Keeper	(1)
7	Pull Handle	(1)
8	Cam Adjusting Bottom Hinge	(1)
9	Bushing Nylon Top Hinge	(1)
10	Nut Adjusting Bottom Hinge	(1)
11	Hinge Washer Internal	(1)
12	Bumper And Coathook	(1)
13	Bumper	(1)
14	Vandal Resistant Step Bolts 1 "	(10)
15	Vandal Resistant Barrel Nut 5/8"	(10)
16	Vandal Resistant 5/8 " SMS	(4)



NOTE: Ceiling hung doors will be notched to accept bottom hinge



DOOR HARDWARE INSWING 8" WRAP HINGE - POLYMER

HINGES

Hinge kit will contain aluminum housings and toothed plastic inserts. Plastic cam (#3) will be inserted into one of the aluminum housings (#1). This will be the bottom half of the top hinge (pilaster side). Insert female plastic insert (#4) into an aluminum housing. This will be the top half of the upper hinge (door side). (To set closing position of door, mate toothed cam into aluminum housing until desired setting is achieved.)

Insert non-cammed hinge pin (#2) into an aluminum housing. This will be the top half of the lower hinge (pilaster side). The remaining female plastic insert should be placed into aluminum housing and coupled with other half of hinge. Proceed to mark door and secure hinges to edge of pilaster and door with flathead screws (#11) with the exception of the bottom door hinge. This will be secured after door is hung on pilaster.

Through-bolt all holes with provided step-bolts and barrel nuts.

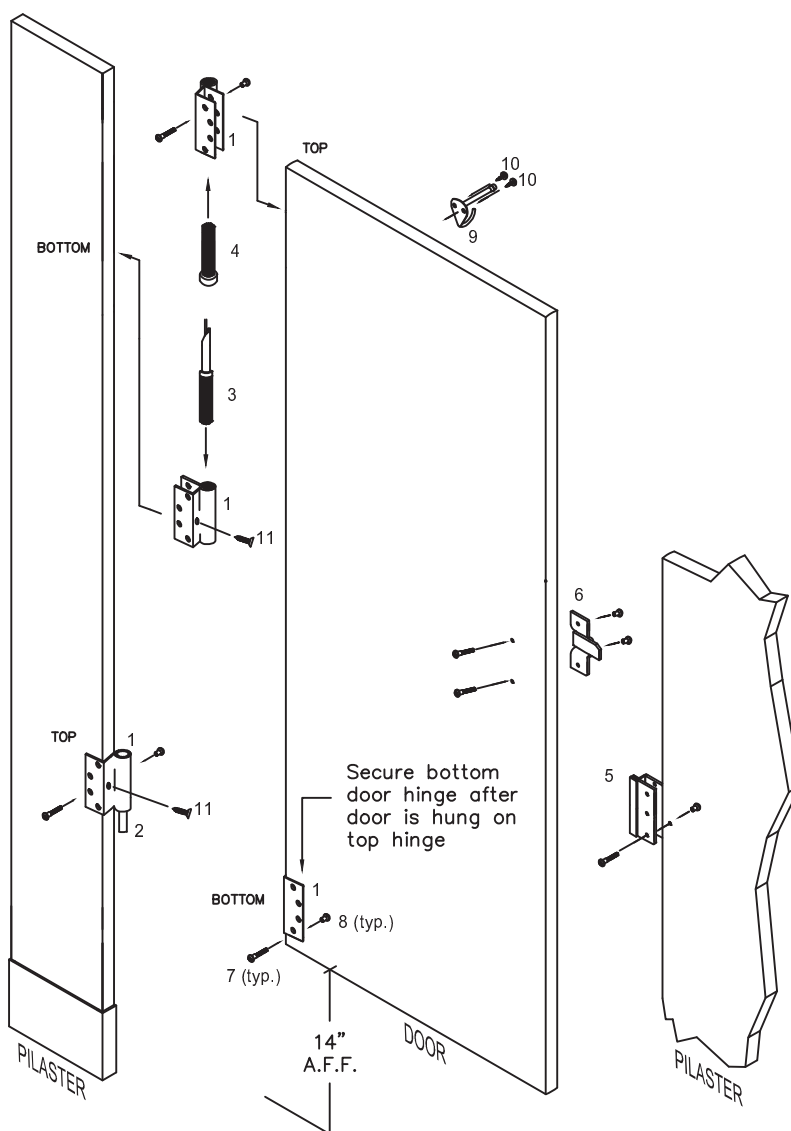
LATCH & BUMPER

Install slide latch at midpoint of the door, 27 1/2" inches up from the bottom of the door. Beveled side should face up to allow for emergency access when door is lifted.

Mount the slide latch on to the door with two (2) step bolts and two (2) barrel nuts. Install keeper and bumper on pilaster. Be sure that the keeper and bumper is set so that the slide bar of the slide latch engages the notch of the keeper. Install keeper/bumper with three (3) step bolts and three (3) barrel nuts.

Door Hardware Kit (P/N 8441007) Includes:

PART ID.	DESCRIPTION	QTY
1	4" Aluminum Housings	(4)
2	Top Hinge Plastic Male Insert	(1)
3	Bottom Hinge Cammed Insert	(1)
4	Female Plastic Insert	(2)
5	Stop and Keeper	(1)
6	Slide Latch	(1)
7	Tamper Resistant Step Bolts 1"	(21)
8	Tamper Resistant Barrel Nut 1/2"	(21)
9	Bumper And Coathook	(1)
10	Tamper Resistant Screw 5/8"	(2)
11	Flathead Screw 5/8"	(4)



DOOR HARDWARE OUTSWING

8" WRAP HINGE - POLYMER

HINGES

Hinge kit will contain aluminum housings and toothed plastic inserts. Plastic cam (#3) will be inserted into one of the aluminum housings (#1). This will be the bottom half of the top hinge (pilaster side). Insert female plastic insert (#4) into an aluminum housing. This will be the top half of the upper hinge (door side). (To set closing position of door, mate toothed cam into aluminum housing until desired setting is achieved.)

Insert non-cammed hinge pin (#2) into an aluminum housing. This will be the top half of the lower hinge (pilaster side). The remaining female plastic insert should be placed into aluminum housing and coupled with other half of hinge. Proceed to mark door and secure hinges to edge of pilaster and door with flathead screws (#11) with the exception of the bottom door hinge. This will be secured after door is hung on pilaster.












Through-bolt all holes with provided step-bolts and barrel nuts.

LATCH & BUMPER




Install slide latch at midpoint of the door, 27 1/2" inches up from the bottom of the door. Beveled side should face up to allow for emergency access when door is lifted.

Mount the slide latch on to the door with two (2) step bolts and two (2) barrel nuts. Install keeper and bumper on pilaster. Be sure that the keeper and bumper is set so that the slide bar of the slide latch engages the notch of the keeper. Install keeper/bumper with three (3) step bolts and three (3) barrel nuts.

Door Hardware Kit (P/N 8441007) Includes:

PART ID.	DESCRIPTION	QTY
1	 4" Aluminum Housings	(4)
2	 Top Hinge Plastic Male Insert	(1)
3	 Bottom Hinge Cammed Insert	(1)
4	 Female Plastic Inserts	(2)
5	 Stop and Keeper	(1)
6	 Slide Latch	(1)
7	 Vandal Resistant S/S Step Bolts	(27)
8	 Vandal Resistant S/S Barrel Nut	(27)
9	 Bumper And Coathook	(1)
10	 Vandal Resistant S/S Screw	(2)
11	 Flathead S/S Screw 5/8"	(4)

Optional Third Hinge (P/N 844 XXXX) Includes:

	Non-Cammed Insert	(1)
	4" Aluminum Housings	(2)
	Female Plastic Insert	(1)

✳ Optional third hinge may be used for larger sized doors. Mount between two standard hinges with pilaster side hinge as lower half fit with pin. Door side will be upper and fit female insert.

Second door pull should be placed to suit.

