SIEMENS

Installation Instructions
Models CAB2-BD/-RD and CAB3-BD/-RD

Medium and Large Enclosure Doors

INTRODUCTION

The Models CAB2-BD/-RD and CAB3-BD/-RD Enclosure Doors from Siemens Industry, Inc., are used with the CAB2-BB/-RB and CAB3-BB/-RB Enclosure Backboxes. Two doors, an outer and an inner, are required for each enclosure. The CAB2-BD and CAB3-BD outer and inner doors are black; the CAB2-RD and CAB3-RD outer doors are red and inner doors are black.

The outer door consists of the door frame and either two or three removable panels, depending on the enclosure size (two for the CAB2 and three for the CAB3). Each removable panel is secured to the door with 10-32 nuts. The removable panels may be clear (OD-LP), blank (OD-BP/-R), or vented (OD-GP/-R) depending on the application. The OD-BP-R and OD-GP-R panels are red. The outer door is attached to the backbox by hinge pins and secured to the backbox by keyed latch.

The inner door has two or three openings in it for the installation of an operator interface and other modules. There are eight threaded studs around each opening on the inner door. These threaded studs allow equipment installation on the door. The equipment is secured by 10-32 nuts. The inner door is permanently hinged left, is attached to the backbox by hinge pins, and is secured to the backbox by a ¼ turn fastener or a 10-32 x 1/2" screw (user provided), if desired.

NOTE ☞ **CAB2-BD/-RD and CAB3-BD/-RD Enclosure Doors are for indoor use only in dry environments.**

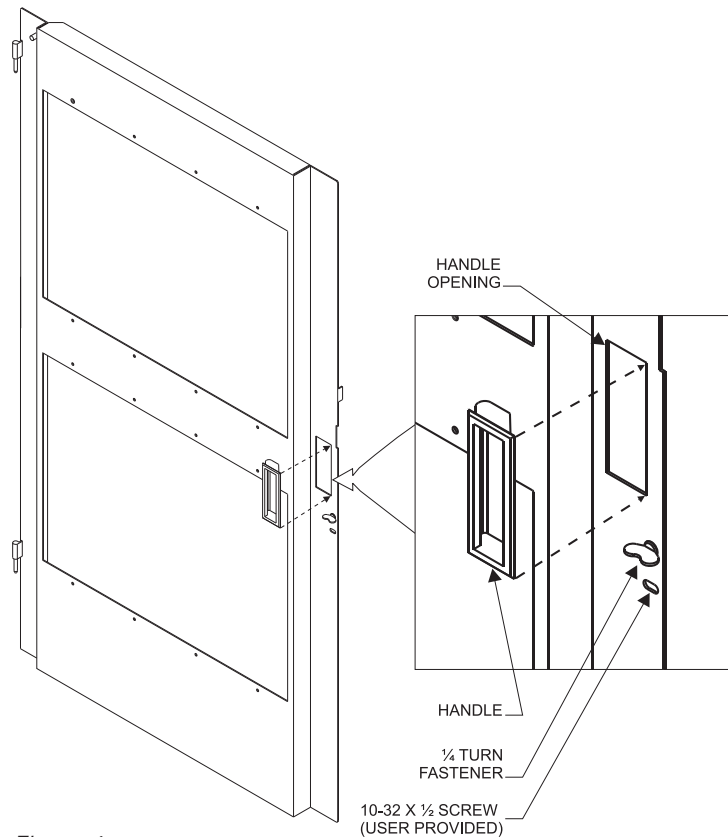
PRE-INSTALLATION

Outer Door:

Determine the direction that the outer door is to open. If the door is to open to the left, no further action is required. If the door is to open to the right, the hinges must be moved to the right side of the backbox and the outer door lock must be moved to the left side of the outer door. (See page 2.)

Inner Door:

The handle for the inner door comes taped to the outside of the inner door. Remove the tape from the handle and from the door. To insert the handle, press the handle through the front of the opening in the inner door. It will snap into place. (Refer to Figure 1.)
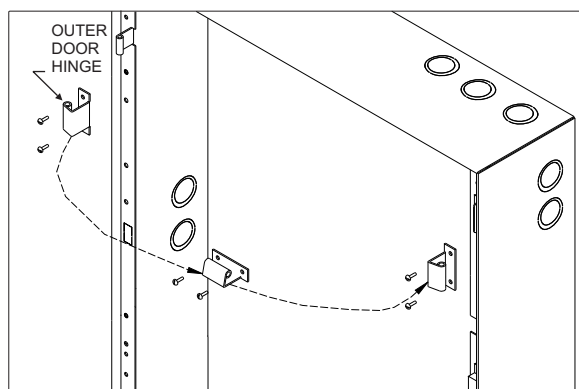
Figure 1
Inserting Handle Into Opening In Inner Door

INSTALLATION

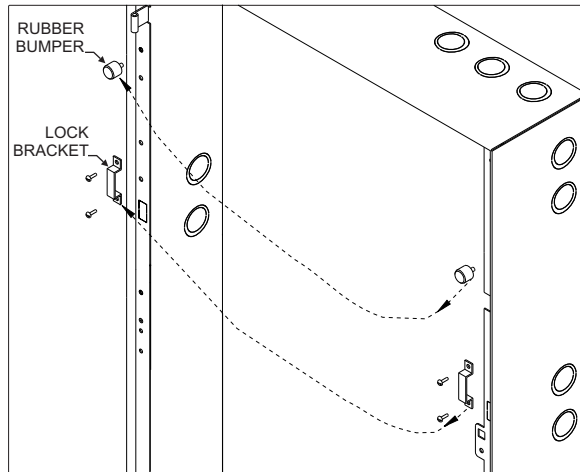Outer door hinge and lock reversal (if required):

1. Note the location of the two rubber bumpers on the right side of the backbox, then remove them.

2. Remove the upper door hinge, turn the hinge upside down, and install on the right side of the backbox. (Refer to Figure 2.)
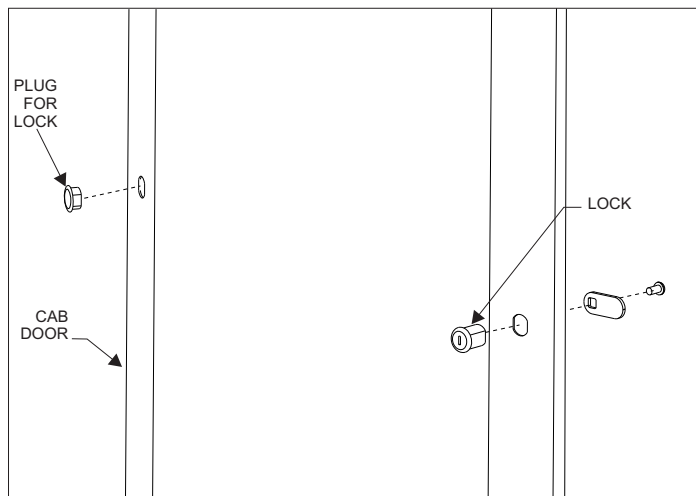

Figure 2
Outer Door Hinge Revesal

3. Repeat the above procedure for the lower door hinge.

4. On the right side of the outer door, remove the ground strap. Reinstall the ground strap on the left side of the outer door. (Refer to Figure 5, page 4.)

5. Install the rubber bumpers on the left side of the backbox. (Refer to Figure 3.)

6. On the right side of the backbox, remove the lock bracket. Reinstall the lock bracket on the left side of the backbox. (Refer to Figure 3.)

Figure 3
Lock Bracket And Rubber Bumper Reversal

7. Remove the plug(s) for the lock(s) on the left side of the door. On the right side of the door, remove the lock(s). Reinstall the lock(s) on the left side of the door. Reinstall the plug(s) on the right side of the door.
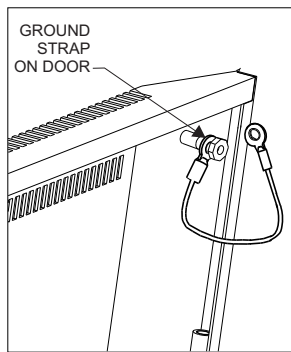

Figure 4
Moving The Door Lock(s) And Plug(s)

GROUND
STRAP
ON DOOR

Figure 5
Removing The 12AWG Ground Strap

Install the Inner Door: 1.   Insert the hinge pins on the inner door in the hinges on the backbox. (Refer to Figure 6.)
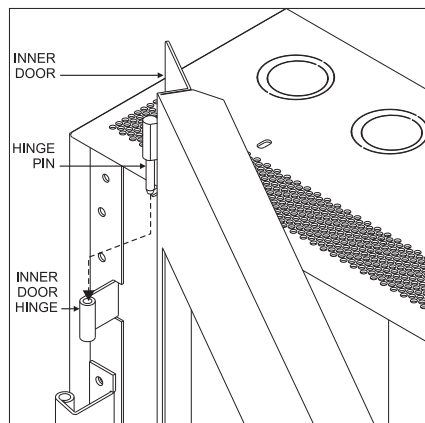

INNER
DOOR

HINGE
PIN

INNER
DOOR
HINGE

Figure 6
Inserting Hinge Pins Into Inner Door Hinges

2.   Insert blank plates, as needed, in unused spaces on door and secure with 10-32 nuts. (Refer to Table 1 and Figure 7.)

NOTE ☞   Models LVM and FMT, one module width each, mount to the inner door. No other modules (PSC-12 or PSC-12M/PSX-12 or PSX-12M/CC-5/CC-2) may be located behind these modules.

TABLE 1 INNER DOOR PLATES		
MODEL	DESCRIPTION	MOUNTING
ID-MP	Mounting plate/bracket for FCM-6, LCM-8, SCM-8 and BCM.	Mounts on studs in door. Secured with two 10-32 nuts.
ID-SP	Blank insert the same size as the ID-MP mounting plate/bracket.	Mounts on studs in door. Secured with two 10-32 nuts. Up to four ID-MPs or ID-SPs can be installed on one row.
ID-FP	Full row blank plate.	Mounts on studs in door. Secured with eight 10-32 nuts.
BCM	Inner door blank plate.	Mounts on studs in door. Secured with eight 10-32 nuts.

ID-MP
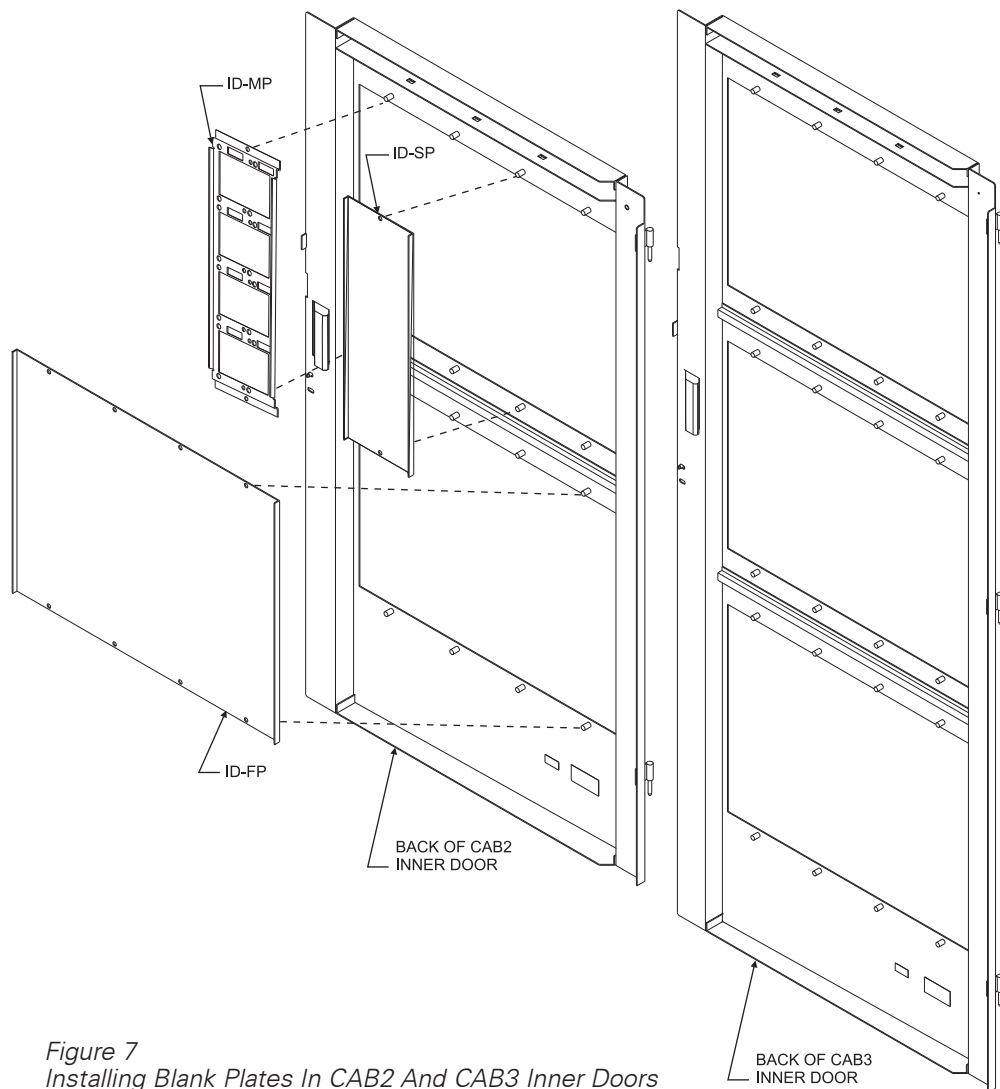
ID-SP

ID-FP

BACK OF CAB2
INNER DOOR

BACK OF CAB3
INNER DOOR

Figure 7
Installing Blank Plates In CAB2 And CAB3 Inner Doors

3. Close the inner door and secure with the ¼ turn fastener. (Refer to Figure 2.) The inner door can also be secured with a screw, if desired.

Install the Outer Door:

1. Insert the hinge pins on the outer door in the hinges on the backbox.

2. Install clear, blank, or vented removable panel(s) as required and secure with 10-32 nuts. (Refer to Table 2 and Figure 8.)
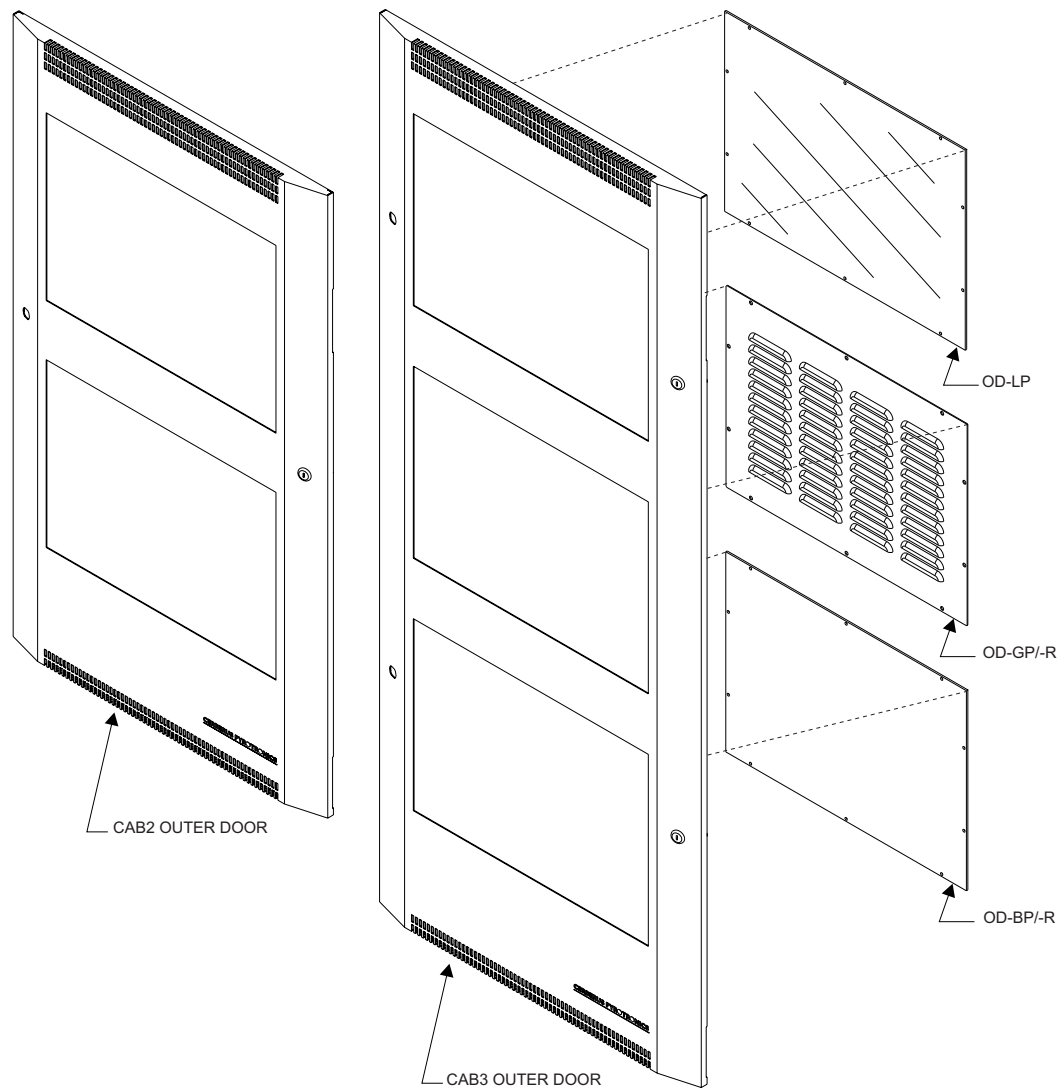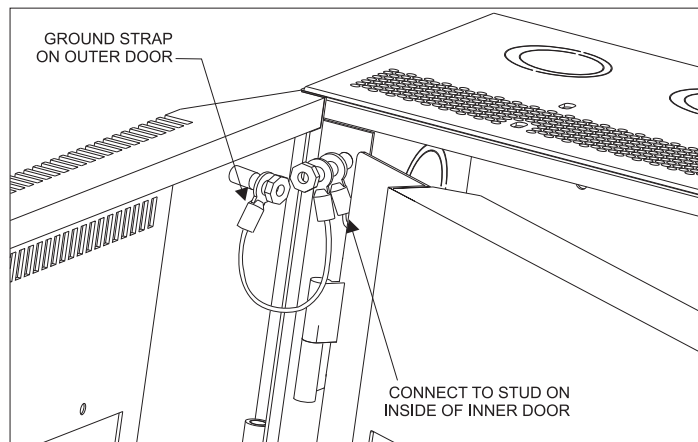
Figure 8
Blank Plates For CAB2 And CAB3 Outer Doors

TABLE 2 OUTER DOOR PLATES		
MODEL	DESCRIPTION	MOUNTING
OD-LP	Clear Lens Plate - for use when visual indication of system operation is required.	Mounts on studs in door. Secured with eight 10-32 nuts.
OD-BP/-R	Blank Plate - for use when visual indication of the system is not required, or when dead front protection is required.	Mounts on studs in door. Secured with eight 10-32 nuts.
OD-GP/-R	Grill Plate - for use when vented panel is required.	Mounts on studs in door. Secured with eight 10-32 nuts.

3. Install the ground strap on both the inner and outer doors. (Refer to Figure 9.)

4. Close the outer door and secure with the key latch.

Figure 9
Installing The 12 AWG Ground Straps On The Inner And Outer Doors

COMPATIBILITY	CAB2-BD/-RD inner and outer doors can be used with CAB2-BB/-RB backboxes only.
	CAB3-BD/-RD inner and outer doors can be used with CAB3-BB/-RB backboxes only.
SPECIFICATIONS	CAB2-BD/RD: 26-$1/8$"W x 1-$1/4$"D x 44-$3/4$"L
	CAB3-BD/RD: 26-$1/8$"W x 1-$1/4$"D x 62-$1/2$"L

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