EQ Cabinet Series
Product Installation Document

PN 53412:A 07/30/2007 06-767

1 General

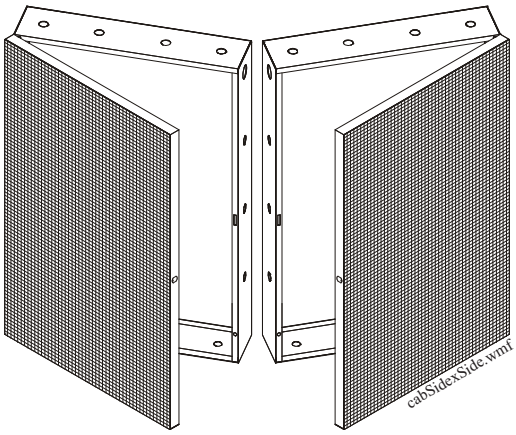
All cabinets are fabricated from 16 gauge steel. The cabinet consists of two basic components: a backbox, and a locking door.

The key-locked door is provided with a pin-type hinge, two keys, and the necessary hardware to mount the door to the backbox. The backbox has been engineered to provide ease-of-entry for the installer. Knockouts are positioned at numerous points to let the installer bring conduit into the enclosure easily. Doors can be mounted on the left or right-hand side. The same hinge works in both configurations, so that this choice can be made in the field. The door opens 180°.

Cabinets are available in three sizes: B, C, and D. The outside dimensions are noted on each enclosure diagram. "D" size accommodates four chassis. A trim ring option is available for semi-flush mounting. The EQ Series is compatible with multiple chassis including the CHS-4, CHS-4L, CHS-4N, CHS-BH, CHS-PS, and CHS-6.

NOTE: EQ Series backboxes and doors are sold separately.

2 Before You Begin



The option of mounting doors in either a left/right hand configuration will aid in installation and service when two control panels are mounted in a confined area or side-by-side (as shown). In this manner the doors can be opened "barn door" style, permitting an open work space.

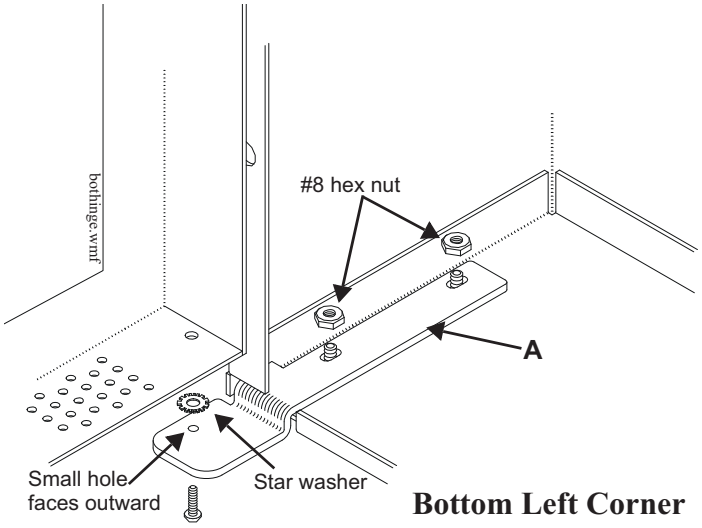
NOTE: In side-by-side installation it is necessary to leave enough space between cabinets to insert a key into the locks on the door frames.

IMPORTANT: Attach the two hinges and two alignment tabs to the backbox before any equipment is installed. With chassis installed, space is very limited.

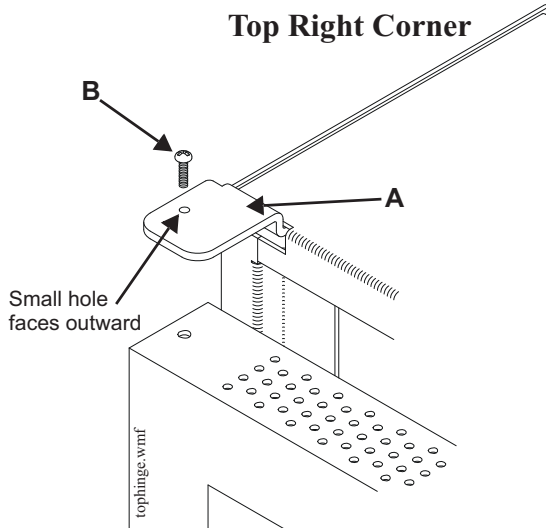
3 Door Assembly Instructions

Hinges can be either left or right hand mounted. The illustrations and text depict a left hand mounted example. For a right hand mounting, simply substitute right for left in the instructions.

1. Insert door hinges (A) into the top and bottom slots of the side to be hinged (in this case the LEFT side). Secure the hinges to the studs in the backbox with the #8 hex nuts provided. Note that the small hole on the outer tab faces outward.
2. Thread stud (B) into the BOTTOM hinge first. Thread from the bottom up. Place the grounding "star" washer on the stud. Place the door's lower corner on to this stud. Placing the door on the lower stud first provides a place for the door to rest while you complete the assembly.
3. Align the door on the backbox, so that the door sits directly under the top hinge. Thread remaining stud (B) into the TOP hinge and though the hole in the top of the door. The door should now swing freely.

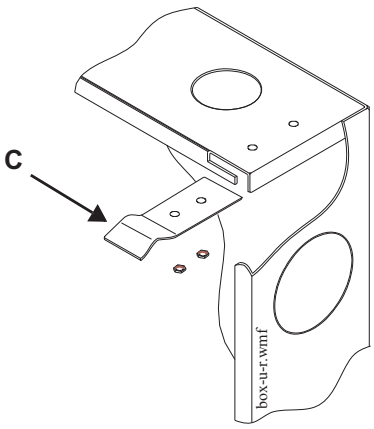


Bottom Left Corner

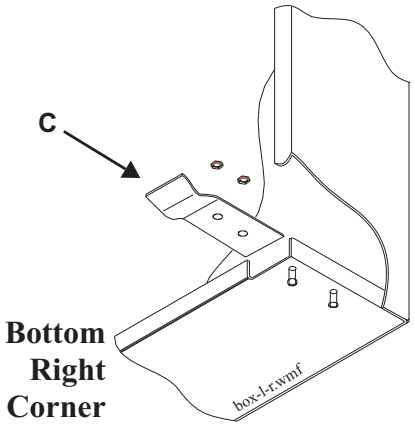


Top Right Corner

4. Install the door alignment tabs (C) in the unused slots on the backbox (top and bottom). In this example the door was mounted on the left, leaving the unused slots on the right. Secure alignment tab (C) to top PEM stud with the #8 hex nut provided. These tabs align the door correctly with the backbox and prevent the door from being "skewed" open.
5. Punch out the knockout for the door lock and install the snap-in lock mechanism by pressing it into the hole. Be sure to do this LAST, so you will be sure to knock out the correct side.



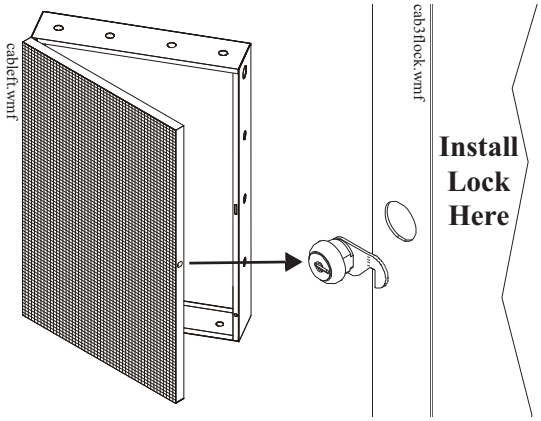
Top Right Corner

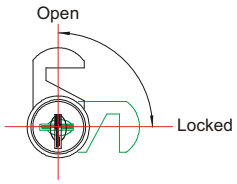


Bottom Right Corner

4 Lock Installation

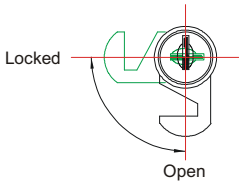
CAUTION: The lock must be installed in the lock position with the key removed. The installation picture below shows the proper lock position for a left-hand mounted cabinet door.





The lock mechanism as viewed in a left-hinged mounting application. The lock would be placed in the right hinge of the door.

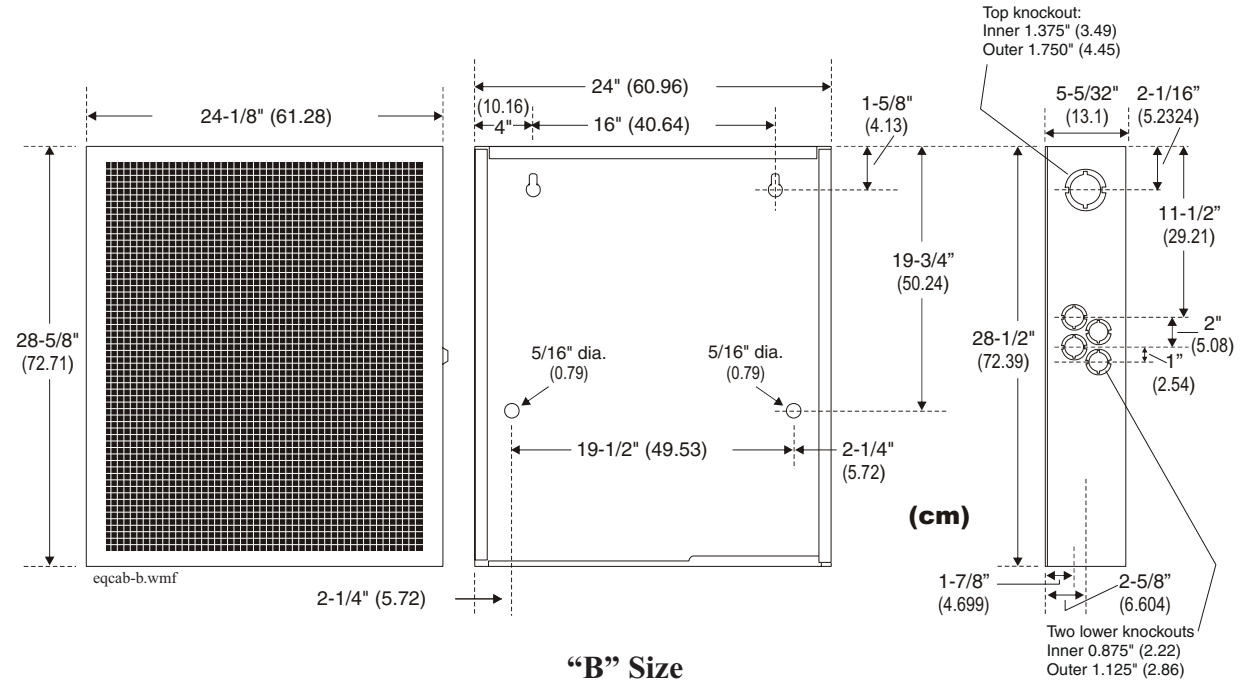
lock.wmf



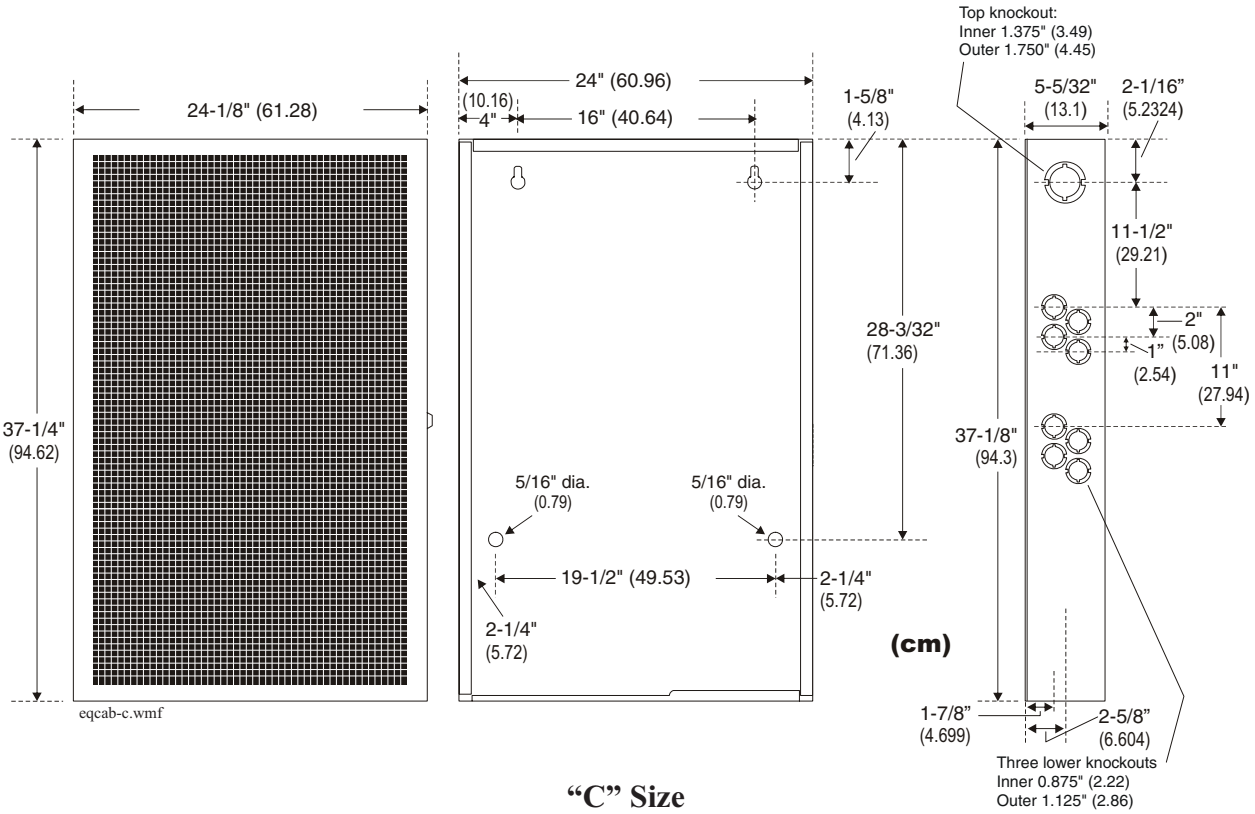
The lock mechanism as viewed in a right-hinged mounting application. The lock would be placed in the right hinge of the door.

lock2.wmf

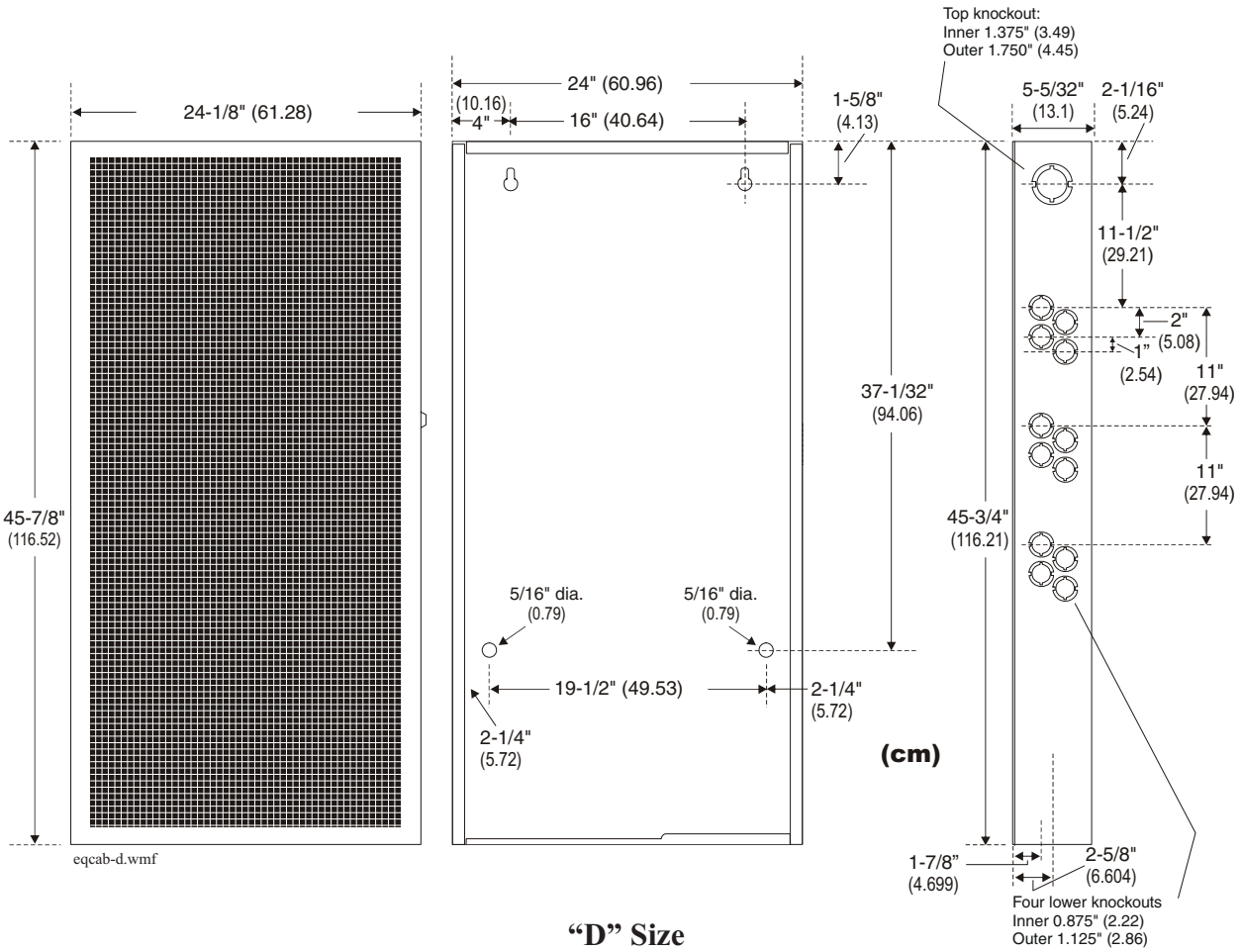
5 Cabinet Dimensions



"B" Size
(Backbox holds two rows of equipment)



"C" Size
(Backbox holds three rows of equipment)



"D" Size
(Backbox holds four rows of equipment)