Installation Instructions for enclosures installed in suspended ceilings

Enclosures are designed for distribution of low voltage cabling only.
The ceiling tile grid system must be installed prior to the installation of this enclosure

Install the enclosure to a structural ceiling able to support 5x the noted gross weight. Use appropriate mounting methods based on local building codes. Install safety cable as required by local building codes. Route conduits to box as required. All conduit and field wiring to be done by trained service personnel.

If AC power is required, a 115-volt circuit/duplex receptacle to be provided by electrical contractor and wired to the externally mounted knockout provided. Wire and install as per local code requirements.

1. Installation tools and supplies to be provided by installer
2. Plum bob
3. Adjustable wrenches
4. Screw drivers
5. Drill with assorted bits
6. Utility knife
7. Straight edge
8. (4) 3/8-inch threaded rods and hardware as approved by local building codes
9. Miscellaneous hardware as required by specific location requirements

Step 1 Opening the shipping box and removal of the ceiling enclosure

Prepare a location for the ceiling enclosure to be positioned for inspection after removal from the shipping container. Remove the ceiling enclosure from the shipping container and place it on its side. This will protect the visual surfaces from damage. After the ceiling enclosure is properly installed, the outside surfaces will be exposed to the workspace below the ceiling tile. For appearance purposes, the outside surfaces of the enclosure should be protected from denting and scratching.

CAUTION: The ACCESS DOOR located on the ceiling enclosure should be latched shut in the closed position. Make sure the latches are in the closed position when lifting the enclosure out of the box to ensure that the door does not swing open.

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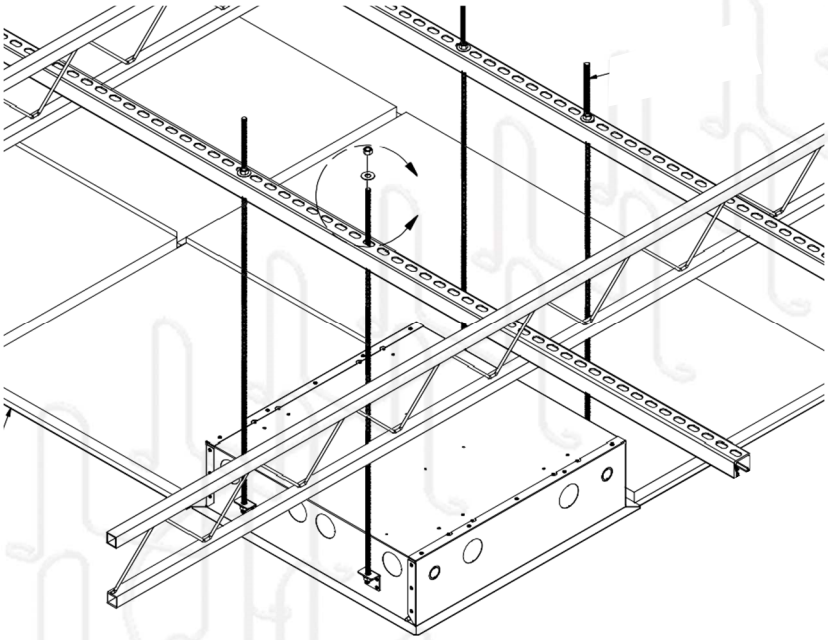
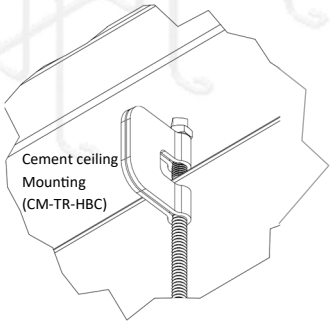
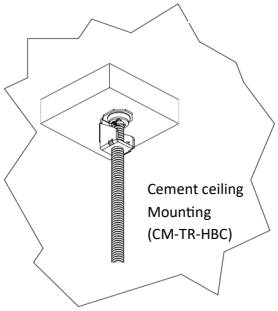
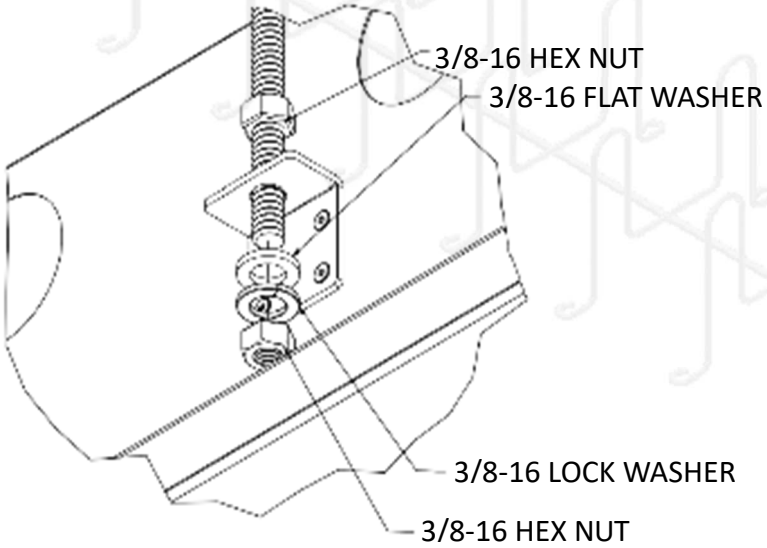
Install four (4) 3/8” threaded rods to the building structure in accordance with standard practices and local codes.







Raise the unit up onto the threaded rods utilizing the structural mounting tabs permanently affixed t the side of the enclosure Level the enclosure so that the weight of the ceiling enclosure is not born by the ceiling tile grid system. Allow approximately 1/32" space between the grid system and the surface of the ceiling tile mounted on the ceiling enclosure.



STEP 3 Cabling the Ceiling Enclosure (Inlet & Outlet)

Note: Total weight of cables and apparatus inside enclosure not to exceed 70 lb. The maximum number of cables per penetration should not exceed 96 - 4 pair, 16 - 25 pair copper or 96 - 4 fiber cables

With the ceiling enclosure in place and supported, lower the door to access the interior space. Install the cables through the appropriate access points located on the enclosure. Install the cables against the back wall of the ceiling enclosure.

STEP 4 Attach Equipment to Racking

Attach equipment to rack with #12-24 equipment mounting screws
Prepare all cable ends and terminate according to equipment manufacturer's specifications.

STEP 5 Cabling

Complete the installation of the cabling as per BICSI standards and local building codes.
Dress cables

STEP 6 Install appropriate firestop for all cabling access points

Electrical contractor to supply and install the appropriate fire stopping material as prescribed by local electrical and fire codes and regulations.

STEP 7 Inspection

1. Ensure that the ceiling enclosure is hung from the building structure using approved threaded rods and is installed according to local building code and regulations.
2. Ensure that the facing of the ceiling enclosure does not bare its weight directly onto the ceiling tiles grid system.
3. Ensure that the cuts and holes on the ceiling tiles are clean and smooth.
4. Ensure that the ACCESS DOOR opens and closes without binding or pinching cables.
5. Ensure that the cable bending radius is within manufacturer specifications.
6. Ensure that the EQUIPMENT MOUNTING RACK is properly seated and secured to the ACCESS DOOR.