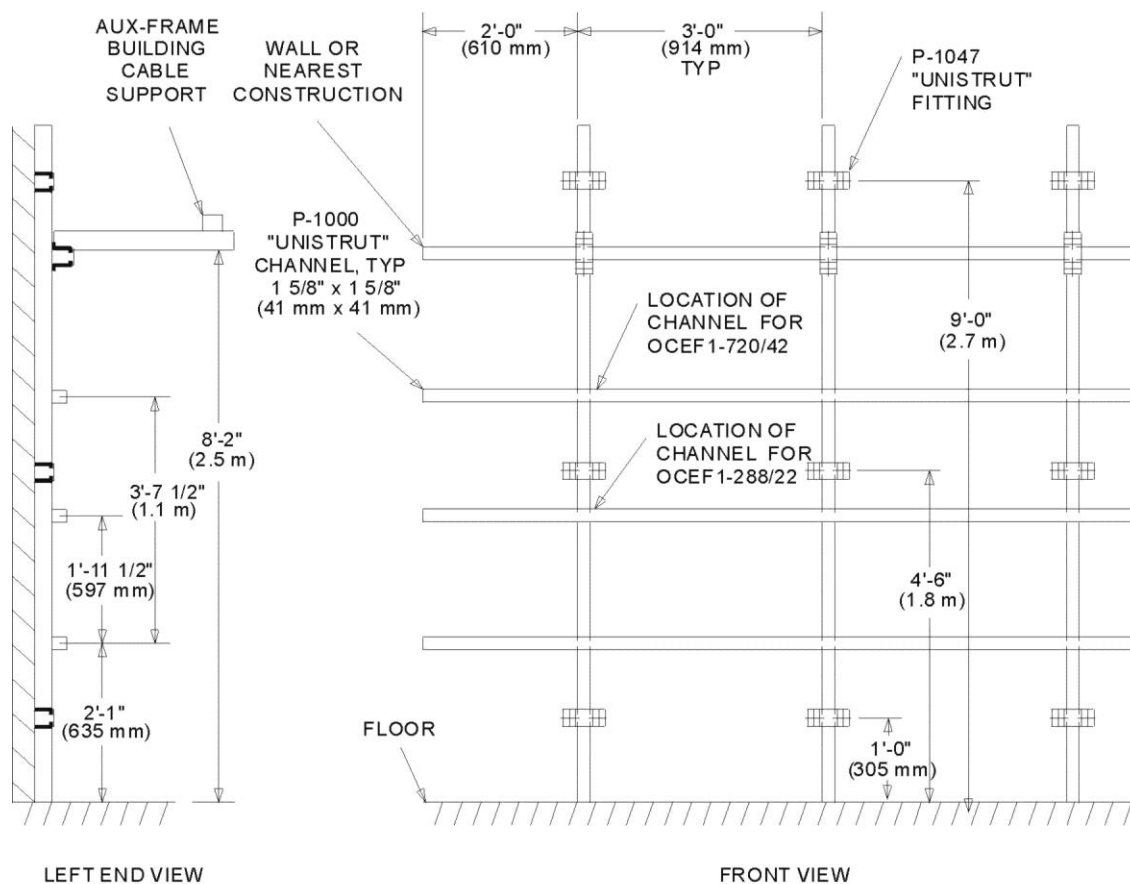


WALL PREPARATION

The OCEF cabinets may be mounted on **UNISTRUT*** channels, which must be mounted to the wall of the facility prior to cabinet installation, or directly to the wall. To install on **UNISTRUT** channels, install vertical channels to the wall first. Horizontal channels can then be mounted to the vertical channels to accommodate both the OCEF1-22-SE and OCEF1-42-SE cabinets. The dimensions for **UNISTRUT** installation are shown in the figure below.



HARDWARE NEEDED TO MOUNT OCEF TO UNISTRUTS

- (4) - 5/16" - 18 X 0.75" LG. HEX HEAD BOLTS
- (4) - UNISTRUT P/N P1007
(5/16" - 18 CHANNEL NUTS WITH SPRINGS)

HARDWARE NEEDED TO MOUNT HORIZONTAL CHANNELS TO VERTICAL CHANNELS (QUANTITIES AS REQUIRED)

- 3/8" - 16 X 0.75" LG. HEX HEAD BOLTS W/FLAT WASHERS
- UNISTRUT P/N P1008 (3/8" - 16 CHANNEL NUTS W/SPRINGS)
- UNISTRUT P/N P1047 (FITTING)

Unistrut Installation

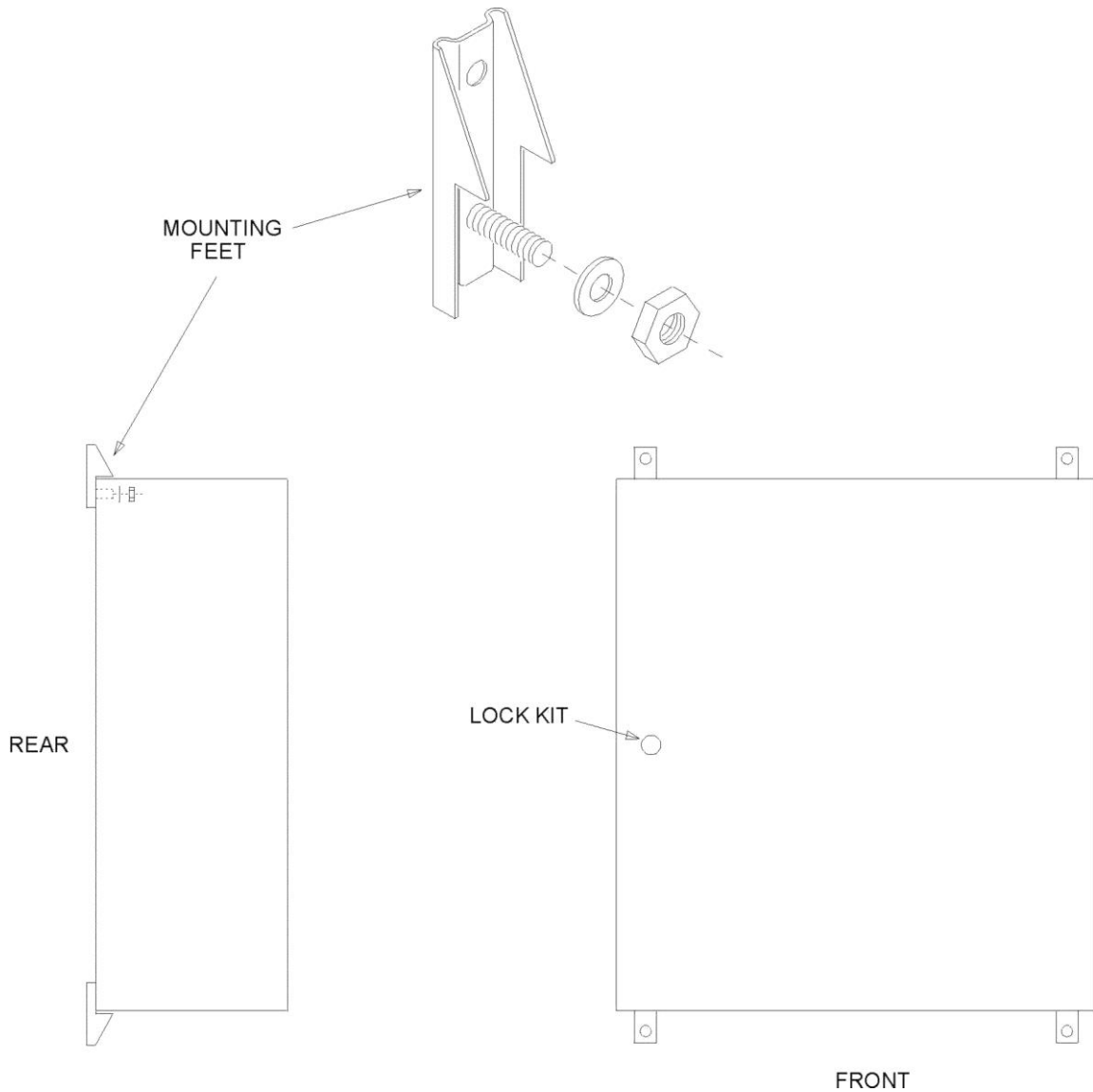
TO MOUNT A CABINET DIRECTLY TO THE WALL

1. Attach the mounting feet to the cabinet, as shown in the next step.
2. Make the proper hole measurements to ensure proper hole placement on the wall before drilling. The bottom of the cabinet should be at least 2 feet (610 mm) above the floor of the facility.
3. Anchor the cabinet to the wall using proper hardware as per local procedures.

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CABINET ASSEMBLY AND INSTALLATION

1. The Mounting Feet must be installed on the OCEF before it can be mounted to the UNISTRUT structure or wall mounted. The mounting hardware is installed on the cabinet with the feet positioned as shown in the figure below. Open the OCEF cabinet door with the hex tool. Studs on the mounting feet are positioned in the provided holes on the four (4) corners of the cabinet. The provided washers and nuts are used to seal and secure the mounting feet to the cabinet.
2. The Lock Kit, which is provided with the cabinet, can be installed at this time. Instructions are included with the kit.

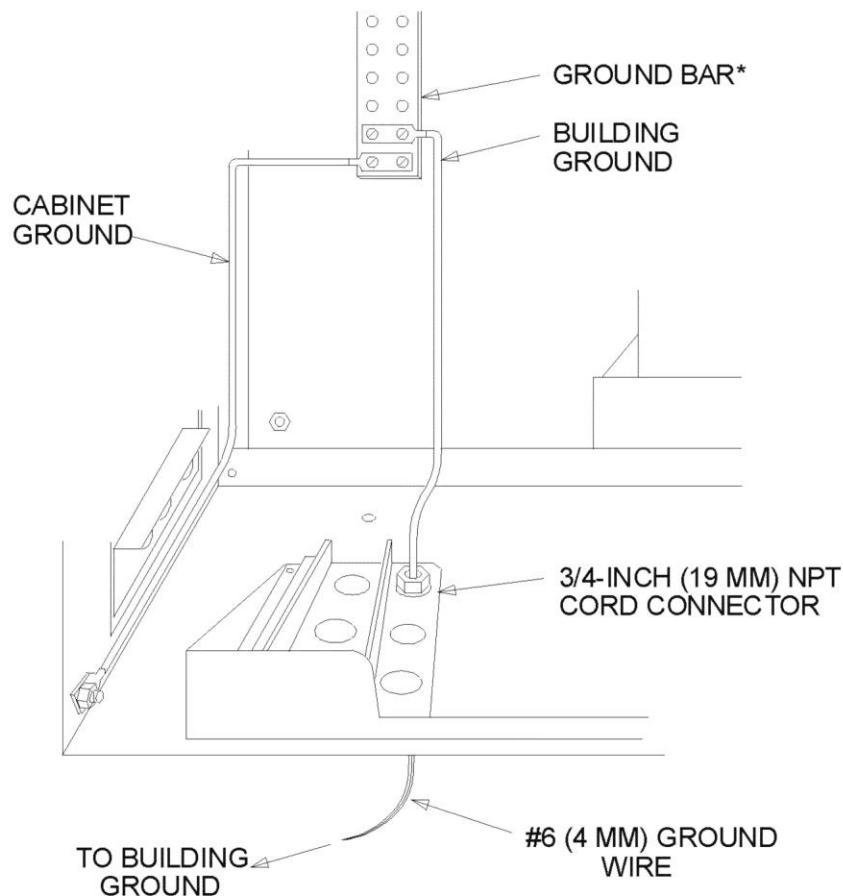


Kit Installation

CABINET ASSEMBLY AND INSTALLATION (continued)

3. Using the appropriate hardware, mount the cabinet to the **UNISTRUT** structure, as per local procedures (see figure on page 5).
4. Ground the cabinet to the main building ground. Run No.6 ground wire [6-gauge (4 mm)] from the bottom grounding bus bar in the cabinet, out through a ¾-inch (19 mm) NPT Cord Connector (see figure on page 4) to the main building ground (see figure below).

Note: To transfer the ground bar from one side to the other, remove the two (2) screws holding it to the rear panel and install it on the opposite side of the cabinet, using the holes in the rear panel occupied with clinch nuts.



* The Ground Bar can be placed on either the left or the right side of the cabinet. It is recommended that the Ground Bar be placed on the same side of the cabinet that the outside plant cables enter.

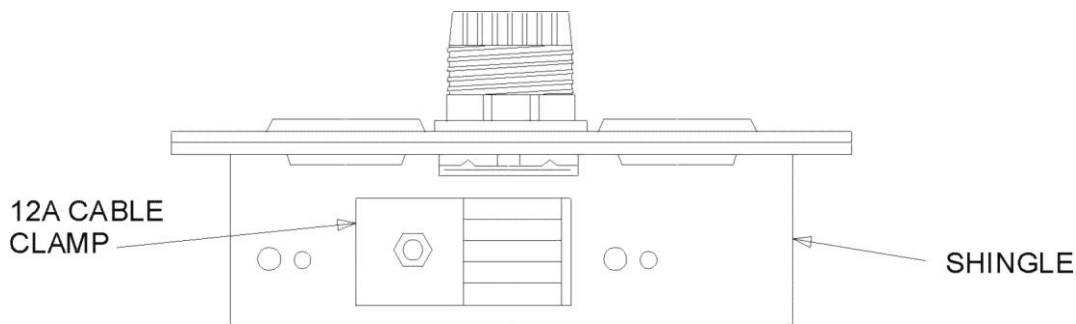
Grounding the OCEF Cabinet

5. Install the Splice Organizers in the cabinet.
6. Close the OCEF cabinet door with the hex tool. Installation of the cabinet is now complete.

CABLE INSTALLATION

Cables may enter/exit through the shingles on the sides or bottom of the cabinet. There are also openings in the top of the cabinet that may be used for venting the cabinet or routing fibers to other OCEF cabinets. Shingles may be removed from the cabinet to facilitate cable installation. It is suggested that OSP cables be brought in on one side of the cabinet while Fiber Optic Building Cables (FOBC) are brought in on the other side of the cabinet. The following parts must be ordered separately for installation of cables in the OCEF cabinet:

- NPT-Type Cord Connectors
 - D-182655 Kit of Parts [$\frac{3}{4}$ -inch (19 mm) NPT for OSP and FOBC]
 - D-182656 Kit of Parts [1-inch (25 mm) NPT for Pre-terminated Cable & Large Shingle]
 - D-182657 Kit of Parts [1-inch (25 mm) NPT for Pre-terminated Cable]
 - 12A Cable Clamp Kit
1. Select the shingle that the cable will be routed through and remove it from the cabinet (first cable only). For side entry, start with the bottom shingle first, and then work upwards.
 2. Select entry/exit port on the shingle and remove the plastic plug (rearmost in the cabinet first, as shown in the figure on page 16).
 3. Install the sealing ring onto the base of the Cord Connector.
 4. Install the Cord Connector, with the sealing ring, onto the shingle securing it with the locknut (see figure on page 4).
 5. Install the lower half of the 12A Cable Clamp on the shingle (see figure below).



Install Lower Half of 12A Cable Clamp

6. Select the proper size compression gland for the incoming cable. Route the cable through the top of the cord connector and the compression gland. Route and pull 120 inches (3048 mm) of cable through the cord connector/shingle in the OCEF1-42-SE and OCEF2-42-TE cabinet, and 86 inches (2184 mm) of cable in the OCEF1-22-SE and OCEF2-22-TE cabinet (see figure next page). Prepare the cable as shown in 636-299-110. For the OCEF1-42-SE and OCEF2-42-TE cabinet, cut 96 inches (2438 mm) of protective tubing (supplied with the LT1B Splice Organizer), and place it over the fibers, leaving 24 inches (610 mm) exposed for routing in the splice tray. For the OCEF1-22-SE and OCEF2-22-TE cabinet, follow the same procedure except cut 62 inches (1575 mm) of protective tubing. For cables less than 0.4 inches (10 mm) in diameter, increase the cable diameter by wrapping electrical tape around the cable at the point where the 12A Cable Clamp is to be secured. [12A Cable Clamps only secure cables between 0.4 inches (10 mm) and 1-inch (25 mm) diameters.]

