

**BELL SYSTEM PRACTICES**  
**Outside Plant Construction**  
**and Maintenance**

**SECTION G61.140**  
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**TERMINALS**  
**INSTALLATION OF U.G. 16 TERMINALS**

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**1. USE**

1.01 The U.G. 16 cable terminal is provided for making connections between underground or buried cables and service cables where these connections are to be made below the ground line. These terminals will usually be located in manholes or handholes.

**2. MATERIALS**

2.01 The terminals and the materials required for installing them are listed below.

- Anchors:** 5/16 INCH BY 2-1/4 INCH HAMMER DRIVE ANCHORS. (For attaching terminals.)  
1/4 INCH BY 1 INCH HAMMER DRIVE ANCHORS. (For attaching Cable Clamp.)
- Boxes:** STUFFING BOXES. (For sealing cable entrances to terminal.)
- Clamps:** NO. 9 CABLE CLAMPS. (For attaching terminal stub.)
- Plugs:** 3/8 INCH BRASS PIPE PLUGS. (For sealing cable entrances to terminals when the service cables are removed.)
- Terminals:** U.G. 16 CABLE TERMINAL 8 FT. STUB.  
U.G. 16 CABLE TERMINAL 15 FT. STUB

### 3. DESCRIPTION

3.01 The U.G. 16 cable terminal consists of a cast iron box and cover with a rubber gasket for making a tight seal between them. The cover is hinged at the end where the stub cable enters the box and is held tightly closed by four bolts and wing nuts. The face plate is of hard rubber. The terminal contains 16 pairs of binding posts and is equipped with a 16 pr. 22 ga. stub cable. In each side of the terminal there are six tapped holes which will accommodate either one or two pair service cables. The holes are closed with brass plugs when the terminal is supplied and the brass plugs are replaced with stuffing boxes as the openings are used for cable entrances. The threads of the plugs are coated with compound when the terminals are assembled and when placing a bushing or replacing a plug the threads should also be coated with plumber's lead or other compound.

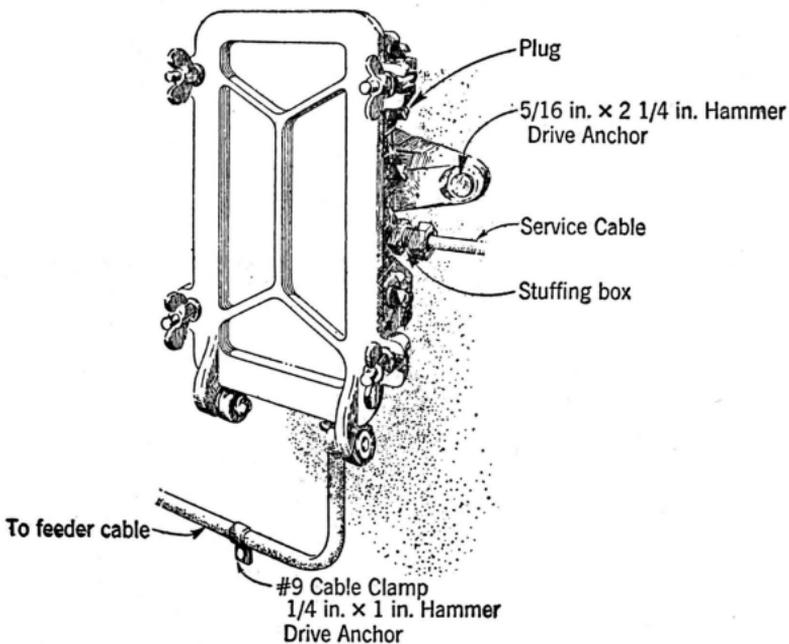
### 4. PLACING TERMINAL IN MANHOLES

4.01 The U.G. terminals can be installed in a vertical or horizontal position. They should be so located that neither the terminal nor associated cable will interfere with the proper installation of future cables.

4.02 The terminal should be attached to the wall by means of two 5/16 inch x 2-1/4 inch Hammer Drive Anchors. The stub cable should be attached to the supporting wall with No. 9 cable clamps and 1/4 inch by 1-inch Hammer Drive Anchors.

4.03 To attach the terminals to the mounting surface, proceed as follows:

- (a) Locate the terminal in the desired position and mark the location of the holes.
- (b) Remove the terminal and drill the holes for the anchoring devices.
- (c) Place the terminal and secure with the anchoring devices.
- (d) Attach stub cable with cable clamps.



## 6. PLACING TERMINAL IN HANDHOLES

5.01 It is necessary that the splicing be completed before the terminal is mounted in handholes. The method of placing and attaching these terminals is therefore covered in connection with the splicing procedure.