

MOBILE HOMES

IDENTIFICATION AND INSTALLATION



*Defects in electrical equipment or wiring in a mobile home may energize the unit and present an electrical hazard to persons in or near it. If a hazardous condition is found to exist, the craftsman must proceed no further until the condition has been corrected and the supervisor informed of the condition. The craftsman should inform the occupant or trailer park manager, if available, of any hazardous condition found.*

2. TESTING MOBILE HOME

2.01 Before making body contact with any metal portion of the mobile home, verify the presence or absence of hazardous voltage on the mobile home body and chassis.

2.02 Use the best available ground (water pipe, ground rod, etc)

when testing.

2.03 To verify presence or absence of hazardous voltage on a mobile home body or chassis, use the B Voltage Tester in the same manner as when verifying the presence of voltage on ground leads on joint-use poles as described in Section 420-185-010. If it is necessary to cut through paint to ensure good contact between mobile home and B Voltage Tester, select an inconspicuous location to avoid marring the appearance of the mobile home. *Use rubber gloves and avoid bodily contact with the mobile home during this operation.*



*If the B Voltage Tester indicates that any part of the mobile home is energized, do not proceed until the condition is corrected and the supervisor is informed. (See 1.05.)*

3. INSTALLING SERVICE DROPS

Service to an individual trailer may be either an aerial drop wire or a buried wire. Typical service connections to trailers are shown in Fig. 1 and 2.

Protector,

4. INSTALLING STATION WIRE AND CABLE

4.01 Installations generally vary, depending on the type of facilities provided by the customer. Typical grounding arrangements are shown in Fig. 3 and 4.

4.02 The protector should be located as near as possible to the mobile home on a private post or mounted on the outside surface of the mobile home. When mounting protector on the outside surface, use 79-type or other suitable backboard.

Grounding

4.03 Refer to Section 460-100-201 for selection and installation of protector grounds and wiring of protector. For a mobile home the best

Bonding Mobile Home

*Caution: The mobile home chassis must be bonded directly to the telephone protector or to the station ground.*

4.04 Use a suitable size B, C, or D Insulator Support to bond the mobile home chassis to the protector ground terminal or station ground. Attach the insulator support to a flange on the structural member of the mobile home chassis (Fig. 3 through 6).

4.05 Bonding should be completed before any installation work is started.

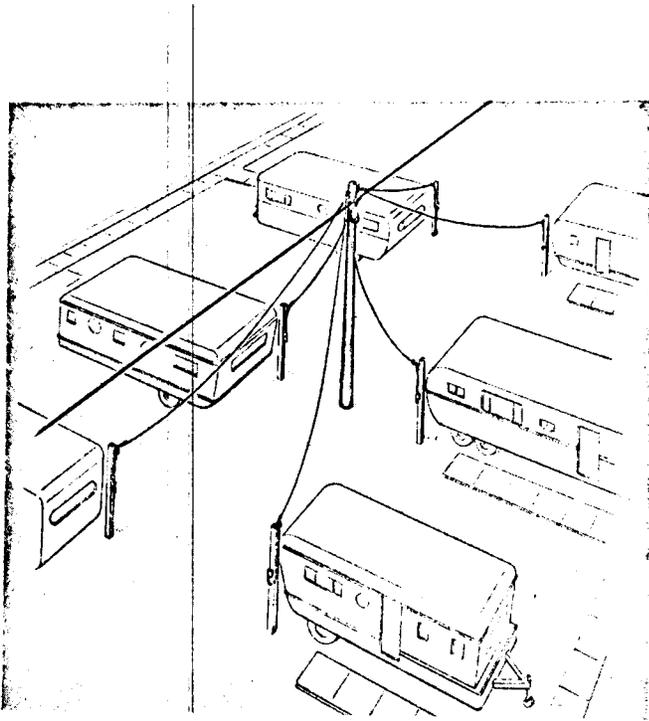
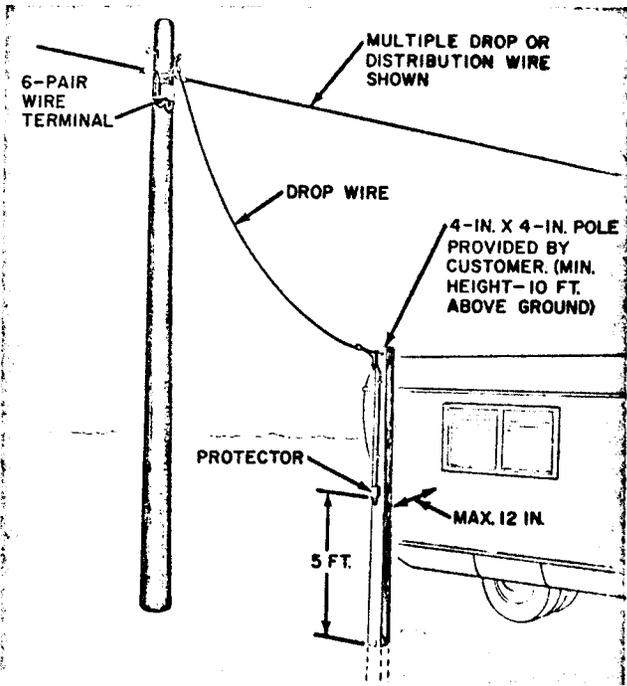


Fig. 1—Typical Aerial Service Arrangement

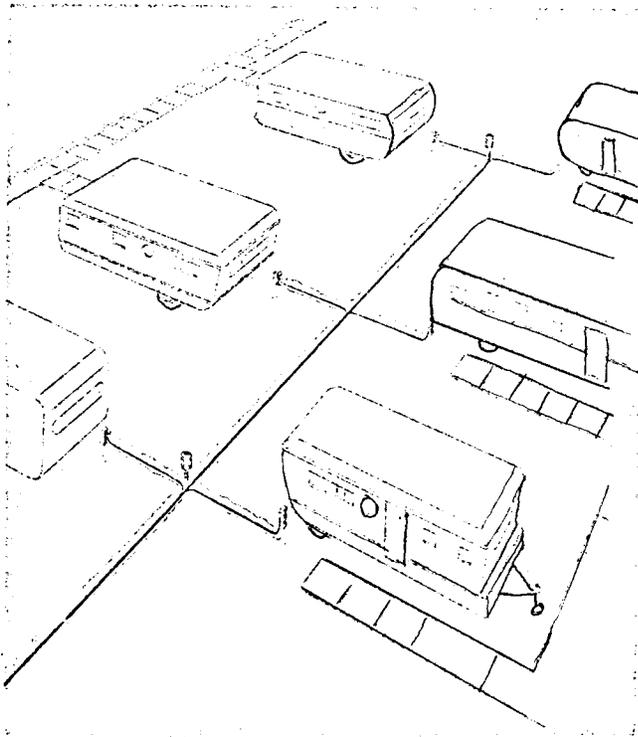
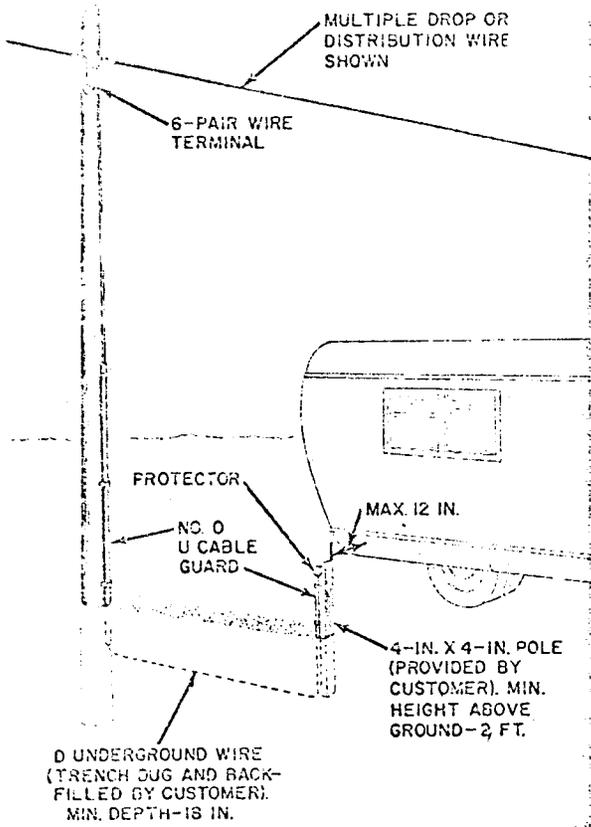


Fig. 2—Typical Buried Service Arrangement

4.07 Use wood guard or conduit from post to mobile home to protect drop or block wire

from damage when the post cannot be placed 12 inches or less from the mobile home.

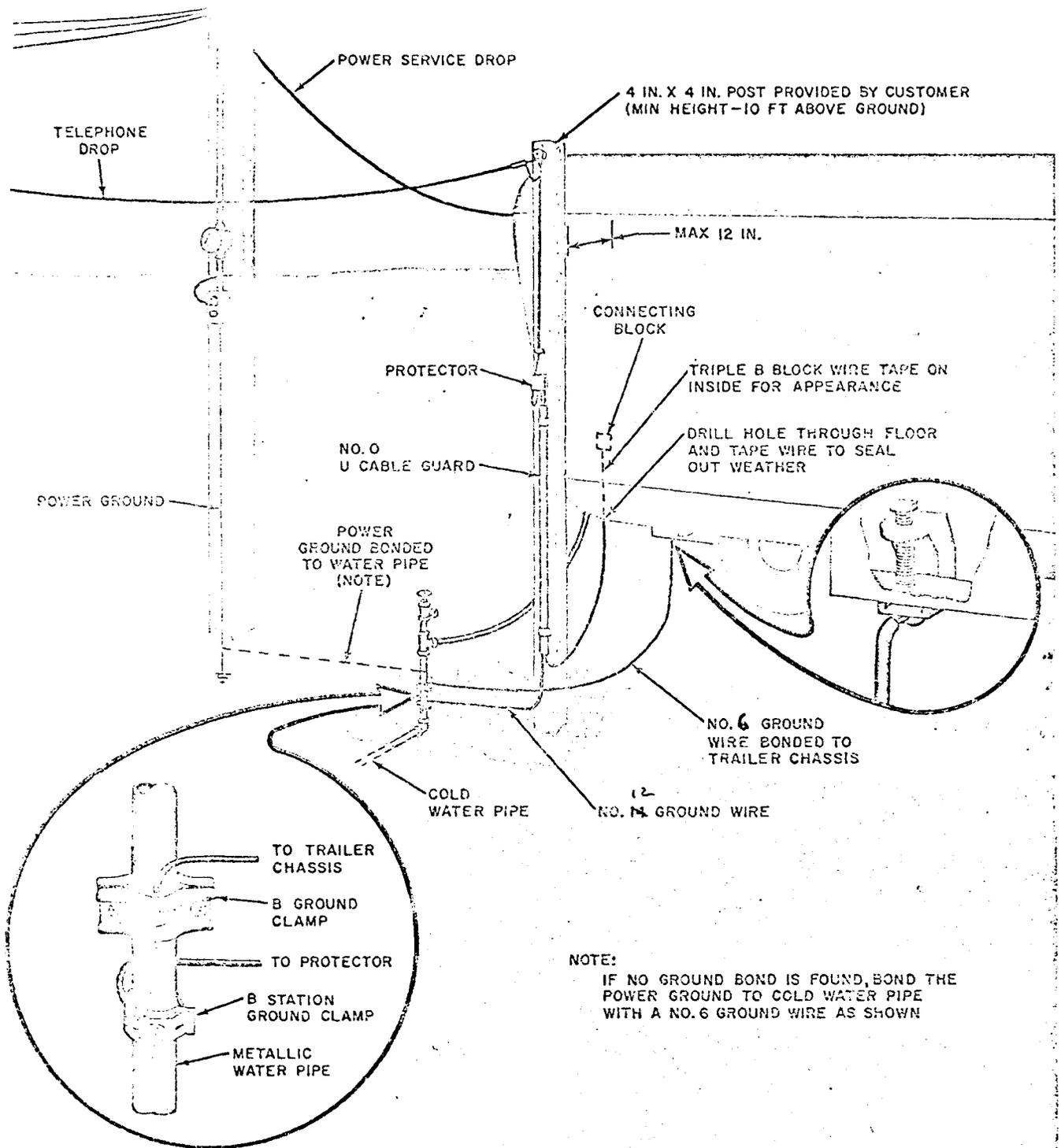


Fig. 3—Grounding Methods—Aerial Distribution

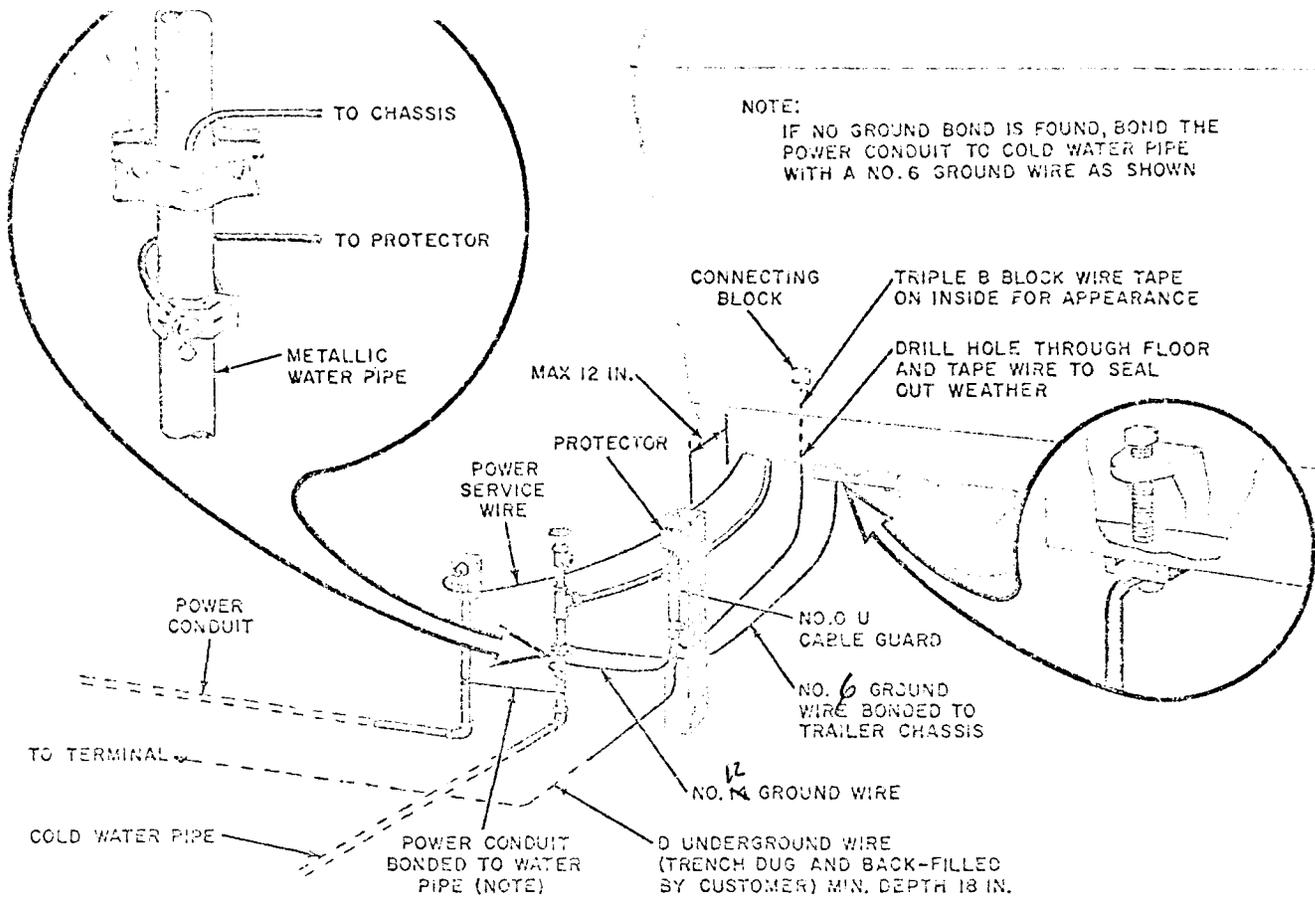


Fig. 4—Grounding Methods—Buried Distribution

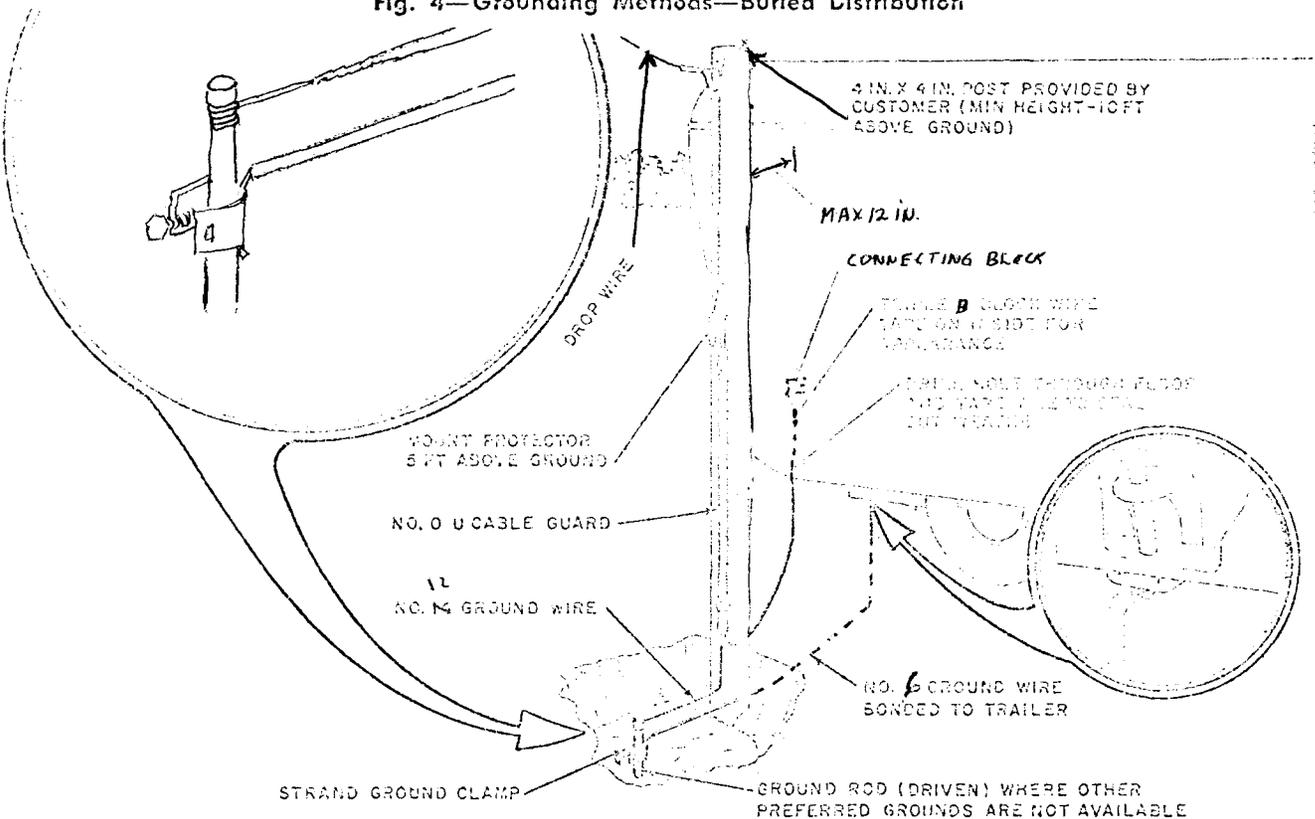


Fig. 5—Grounding—Drop Wire Distribution

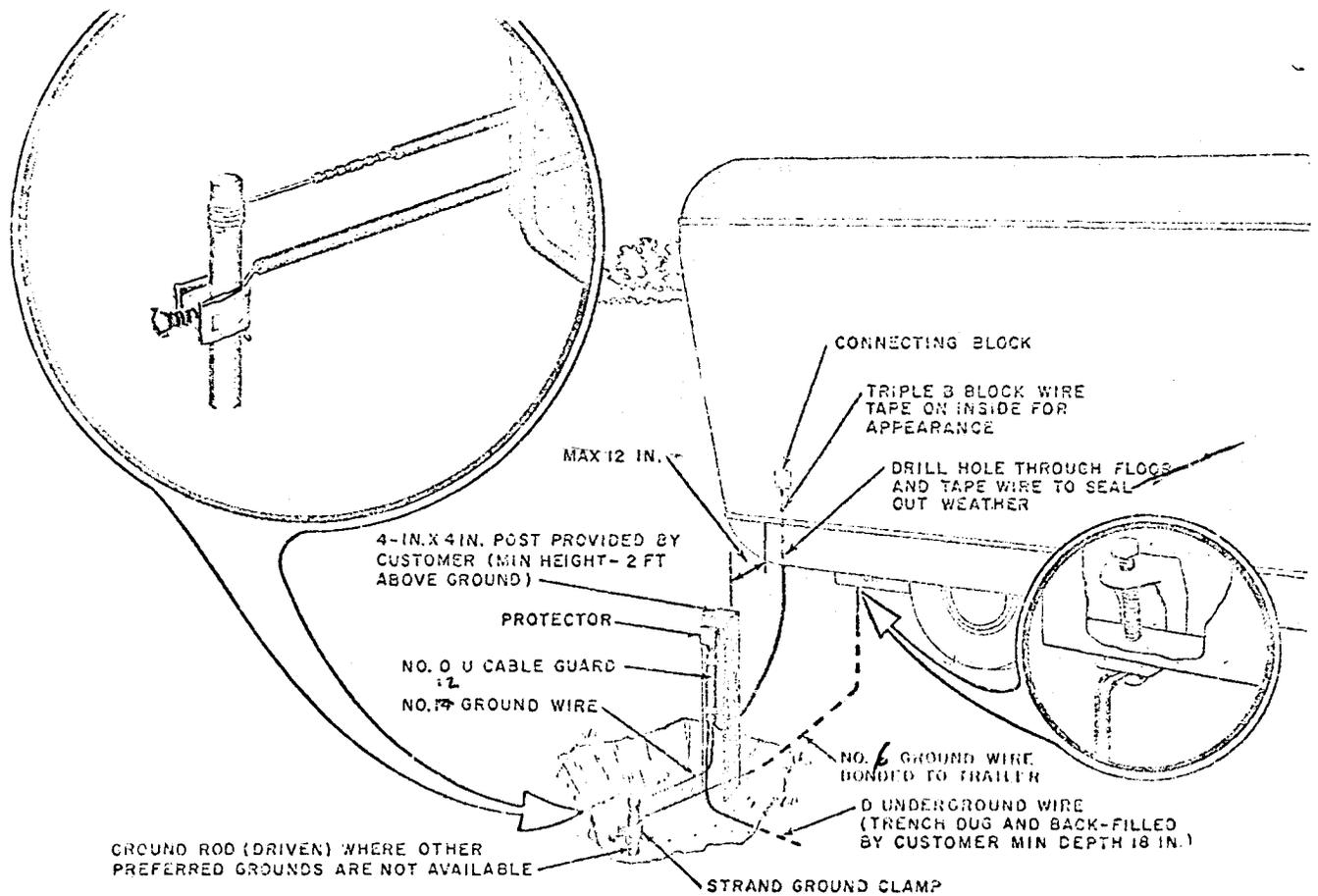


Fig. 6—Grounding—Buried Wire Distribution..