

Customer Responsibility

- 1. Furnish and install service entrance cable, meter socket, and service mast, if required, adequate in strength to support service drop and sufficient height to meet minimum clearance (as shown in TABLE).
- 2. Furnish and install meter socket approximately 5 feet above the final grade except where specifically approved otherwise by the Company. It shall be plumb level and attached to the finished exterior of the building with rust resistant logs extending through the finish and into the sheathing.
- Furnish and install service entrance cable from meter socket to service entrance equipment and service entrance.
- 4. Furnish, install and connect two (2) grounding electrodes.
- 5. Equipment and installation must comply with the latest revision of the National Electrical Code and local codes.

Company Responsibility

- Furnish and install service drop cable to weatherhead or service mast. (single or three phase service 200 amps or less.)
- 2. Furnish and install meter.

Notes

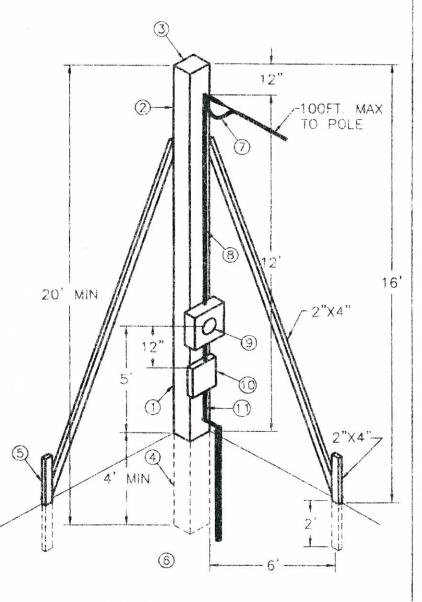
- Service attachment located above a building extension as shown in detail is not allowed because service
 connections cannot be directly reached from a ladder placed securely on the ground.
- 2. Consideration should be given to place service attachment high enough on the building to allow communication company attachment below it with the NESC required 12—inch separation.
- 3. All self-contained meter sackets must have a lever operated manual bypass.
- 4. See GU Construction Standard E 14.300 for more information on Service Mast.

03/07/05	OVERHEAD SERVICE ENTRANCE 200 AMPS AND SMALLER	
16.1 Coestre	CONSTRUCTION STANDARD E 14.200	_

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WE WILL DEAD—END OUR SERVICE DROP LOOP FOR A TEMPORARY ELECTRIC SERVICE ON A POLE THAT IS TO BE CONSTRUCTED BY THE CUSTOMER OR HIS DESIGNEE. THIS POLE WILL MEET THE REQUIREMENTS LISTED BELOW.

- 1) THE LOCATION OF THE TEMPORARY SERVICE POLE WILL BE SPECIFIED BY GROTON UTILITIES (GU) AND WILL NOT EXCEED 100 FEET FROM A UTILITY POLE TO YOUR TEMPORARY SERVICE POLE.
- 2) THE TIMBER TO BE USED WILL BE STRUCTURAL GRADE FIR OR PINE WITH A CROSS SECTION NOT LESS THAN 6 IN. X 6 IN.
- 3) THE LENGTH OF THE TEMPORARY SERVICE POLE WILL NOT BE LESS THAN 20 FT. ADDITIONAL LENGTH MAY BE REQUIRED TO MAINTAIN SERVICE DROP CLEARANCE OF 16 FT. OVER ANY PUBLIC ROADWAY OR PRIVATE DRIVE AND 12 FT. MINIMUM CLEARANCE OVER ALL OTHER AREAS.
- 4) THE TEMPORARY SERVICE POLE WILL BE SET TO A MINIMUM DEPTH OF 4 FT. IN FIRM GROUND.
- 5) THE TEMPORARY SERVICE POLE IS TO BE ADEQUATELY BRACED TO SUPPORT AT ITS TOP BOTH A MAN ON A LADDER AND A SERVICE DROP TENSION OF 600 POUNDS. A MINIMUM OF TWO, 2 IN. X 4 IN. BRACES AT 45—DEGREE ANGLES TO THE DROP LOOP ARE TO BE INSTALLED. BRACES ARE TO BE SPIKED FLAT AGAINST THE SIDE OF THE POLE AND TO BE 2" X 4" STAKES (3 FT MINIMUM LENGTH) LOCATED A MINIMUM 6 FT. FROM THE SERVICE POLE.
- 6) THERE SHALL BE NO CONSTRUCTION ACTIVITY NEAR THE TEMPORARY SERVICE POLE WHICH MAY UNDERMINE THE POLE STABILITY.
- 7) THE INSTALLATION SHALL MEET ALL CLEARANCE AND CONSTRUCTION REQUIREMENTS SET FORTH IN THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, AND AS REQUIRED BY LOCAL AUTHORITY, AND GU
- 8) AT LEAST 24" OF SUFFICIENT CONDUCTOR SHALL BE AVAILABLE AT WEATHER HEAD.
- 9) AN APPROVED METER SOCKET IS TO BE INSTALLED APPROXIMATELY 5 FT. ABOVE GROUND ON THE SIDE NEAREST OUR POLE.
- 10) OUTDOOR TYPE SERVICE EQUIPMENT RATED IN ACCORDANCE WITH THE NEC IS TO BE INSTALLED ON LOAD SIDE OF METER SOCKET WITHIN 12" THERE OF, GROUND FAULT INTERRUPTER PROTECTION SHALL ALSO BE INSTALLED.
- 11) GROUND IN ACCORDANCE WITH NEC. THE GROUNDING CONDUCTOR ELECTRODE CONNECTION SHALL BE MADE AT AN ACCESSIBLE LOCATION IN THE SERVICE FOUIPMENT AND NOT THE METER SOCKET.



03/07/05

TEMPORARY SERVICE POLE

CONSTRUCTION STANDARD

E 14.100