



TABLE showing the size of support and the maximum distance in inches from the roof to the conductor deadend (guying may be required)		Max Loaded Tension Lbs	Galvanized Ridgid Conduit Support (RGSC)		
			2"	2-1/2"	3"
Conductor:	#4 & #2 Triplex	500	31"	58"	113"
	1/0 Triplex	700	22"	41"	81"
	#2 Quadruplex	600	28"	48"	94"
	1/0 Quadruplex	840	18"	34"	87"

**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 lags extending through the finish and into the sheathing.
3. 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**

1. 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**

1. 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 sockets must have a lever operated manual bypass.
4. See GU Construction Standard E 14.300 for more information on Service Mast.

ORG. BY DBR	<b>OVERHEAD SERVICE ENTRANCE 200 AMPS AND SMALLER</b>			
03/07/05				
APPROVED				
	<b>GROTON UTILITIES</b>	CONSTRUCTION STANDARD	<b>E 14.200</b>	

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