



Mobile Home Pole Electric Service Requirements

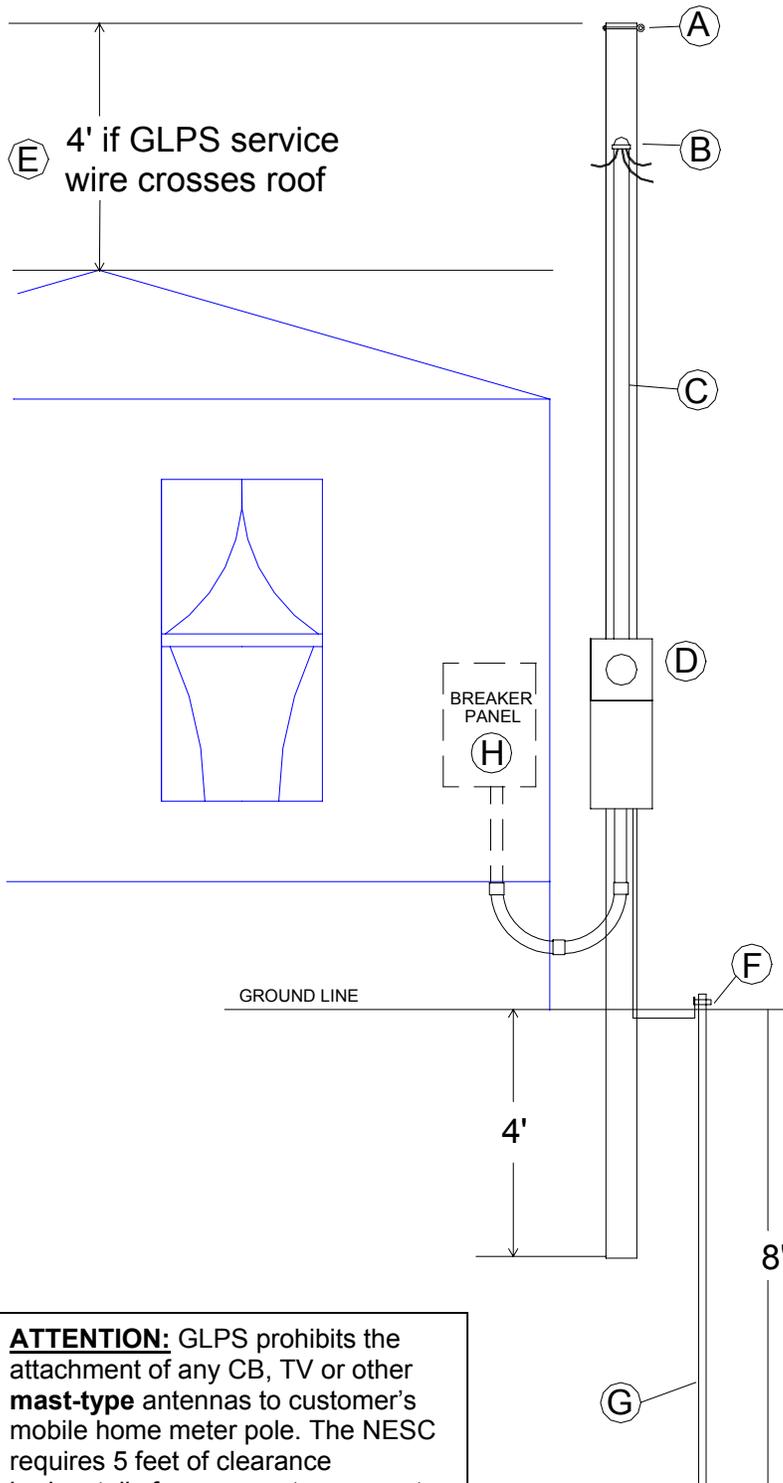
100 – 200 AMP Capacities, 120/240-Volt Single-Phase

**Greenville Light and Power
System**

423-636-6200

www.glps.net

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- A. **ATTACHMENT:** The customer must provide point of attachment at the top of the pole. Either an eyebolt or a J-hook is acceptable and must be within the top 6 inches of the pole (16 feet above ground).
- B. **WEATHERHEAD:** The weather head must be within the top 2 feet of the pole and have at least 18 inches of wire extending through the weatherhead for GLPS to connect to.
- C. **CONDUIT:** PVC conduit is acceptable for the weather head. Size is based on amperage of the service panel.
- D. **METERBASE W/MULTI-CIRCUIT DISCONNECT:** The top of the meter base should be mounted at 6 feet from the ground line. This height will allow any other equipment below the base to be at the correct height. Wiring between disconnect box and breaker panel does not have to be buried if the pole is installed within one foot of home's perimeter. Maximum distance from perimeter of home to meter pole is 30'.
- E. **ROOF CROSSING:** Pole must be of sufficient height to provide 4' of clearance over any part of the roof that GLPS conductors must cross. 16' is still the minimum pole height.
- F. **GROUND CLAMP:** The ground clamp used should be a teardrop, single bolt style and **NOT** the 2-bolt water pipe style clamp.
- G. **GROUND ROD:** The ground rod should be 8 feet in length and at least 5/8 inch round. The entire rod should be driven into the ground with the ground wire attached at the top. Ground wire must be no less than #6 bare copper.
- H. **BREAKER PANEL:** The size of the disconnect outside on pole must match size of panel pre-installed inside the mobile home. This panel must be connected to the outside disconnect box by conductors within a conduit raceway. For assistance in connecting breaker panel, please refer to GLPS *Mobile Home Schematic Diagram*.

CLEARANCE: The pole must be able to provide the following clearances:

- Roads 18'
- Driveways 16'
- Open Ground 16'

POLE:

- **MINIMUM** of 20 feet overall length
- **MINIMUM** 4 feet in the ground
- **MINIMUM** 6" x 6" square treated pole, or 6" round pole.

The mobile home pole is required to be inspected each time a home is connected to it.

Contact GLPS Engineering PRIOR to installing this type of metered service. 423-636-6200

NOTE: This is to be used as a guide only - some installations may vary. All installations must meet current NEC, NESC and GLPS requirements.

ATTENTION: GLPS prohibits the attachment of any CB, TV or other **mast-type** antennas to customer's mobile home meter pole. The NESC requires 5 feet of clearance horizontally from any antenna mast to utility company service wires coming to meter pole.