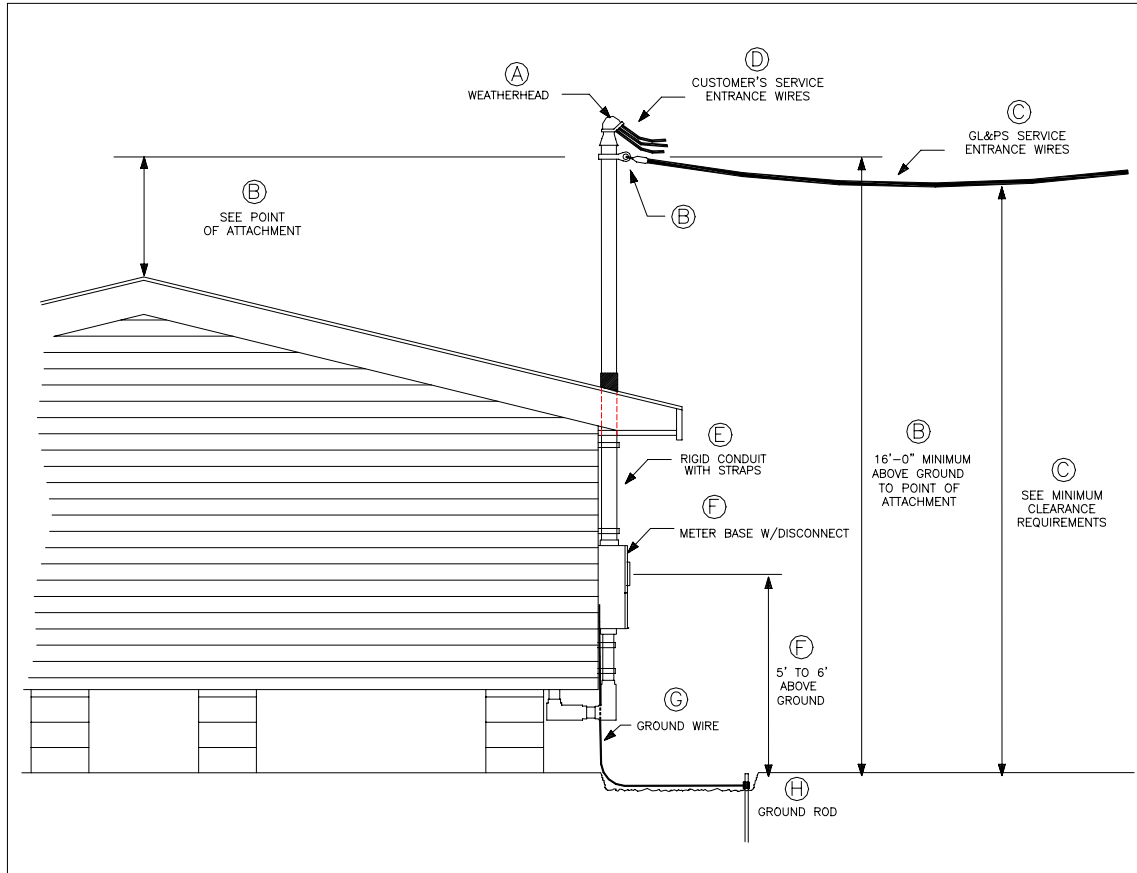




Through-the-Roof Mobile Home Electric Service Requirements

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. **WEATHER HEAD:** In most applications on a pitched roof, weather head can be no less than 30 inches above the roof
- B. **POINT OF ATTACHMENT:** The **minimum** point of attachment is 16' above finished grade. When GLPS service entrance wires **cross over mobile home**, the point of attachment shall be at least 4 feet above the highest point of the home the wire crosses, but shall never be less than 16 feet above finished grade.
- C. **MINIMUM CLEARANCE REQUIREMENTS:** The following clearances for GLPS service entrance wire shall be provided by the customer:
- Roads 18'
 - Driveways 16'
 - Open Ground 16'

D. **CUSTOMER'S SERVICE ENTRANCE WIRES:** A minimum of 18" must be left extending through the weather head. Neutral wire must be white or marked white throughout the service.

	Conductor Sizes		Neutral Sizes	
	Copper	Aluminum	Copper	Aluminum
100 amp	4 AWG	2 AWG	4 AWG	2 AWG
200 amp	2/0 AWG	4/0 AWG	1 AWG	2/0 AWG

- E. **RIGID CONDUIT W/STRAPS:** Rigid metal conduit must be used for through-the-roof installations. The following conduit sizes apply:
- 200 amp.....2-1/2"
 - 100 amp.....2"
- Two-hole straps OR Minerlac straps** must be used where applicable for maximum strength.
- F. **METER BASE W/MULTI-CIRCUIT DISCONNECT:** Customer **must** contact GLPS Engineering Department to have meter base location determined. GLPS has the right to require relocation of the meter base when customer has not complied with this requirement. Meter base must be mounted between 5 feet and 6 feet above finished grade. Meter base must be grounded to approved ground rod. For assistance in connecting breaker panel, please refer to GLPS *Mobile Home Schematic Diagram*.
- G. **GROUND WIRE:** Wire must be no less than #6 bare copper.
- H. **GROUND ROD:** Ground rod must be 5/8" x 8', galvanized or copper with approved teardrop-type clamp. The entire rod should be driven into the ground with the ground wire attached at the top.

Call GLPS Engineering at 423-636-6200 for on-site consultation prior to installation.

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