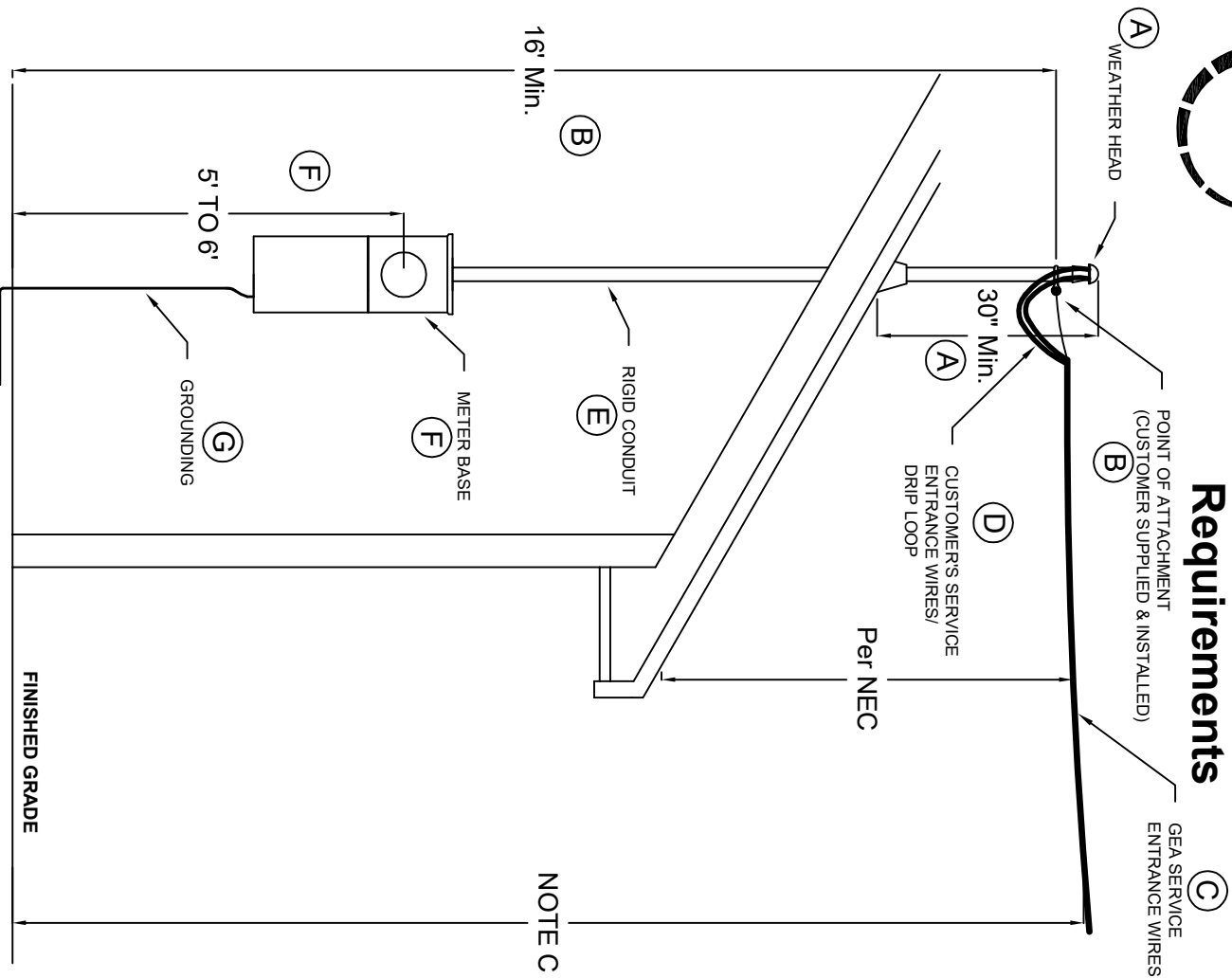




Through the Roof Overhead Electric Service Requirements

Greenville Energy Authority
423-636-6200
www.mygea.net
Revised June 23, 2026



A. **WEATHER HEAD:** In most applications on a pitched roof, the weather head can be no less than 30 inches above the roof.

The weather head must be braced or guyed if it extends more than 60 inches above the roof line

B. **POINT OF ATTACHMENT:** The minimum point of attachment is 16' above finished grade. The point of attachment for the GEA service wire is supplied and installed by the customer.

C. **MINIMUM CLEARANCE REQUIREMENTS:** The following clearances for GEA service entrance wire shall be provided by the customer.

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

D. **CUSTOMERS SERVICE ENTRANCE WIRES:** A minimum of 18" of wire must be left extending through the weather head for GEA to connect to. The neutral wire must be marked in white through out the service. Conductor size will be based on current NEC code.

E. **RIGID CONDUIT:** Rigid metal conduit must be used for through the roof installations. The following conduit sizes apply:

- 100Amp.....2"
- 200Amp.....2-1/2"
- 400Amp.....3"

F. **METER BASE:** Customer must contact GEA Engineering Department to have meter base location determined. GEA reserves the right to require relocation of the meter base when the customer has not complied with this requirement. The meter base must be mounted between 5 feet and 6 feet above finished grade.

G. **GROUNDING:** Ground wire/rod(s) must be per NEC code requirements
Contact GEA Engineering at 423-636-6200 PRIOR to installing this type of metered service.

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