



320 AMP SERVICE GUIDE

HEART OF TEXAS ELECTRIC COOPERATIVE

1111 JOHNSON DRIVE, MCGREGOR, TX 76657

OFFICE: (254) 840-2957 | DISPATCH: (254) 840-5100

NEW CONSTRUCTION: (254) 840-5138 | WWW.HOTEC.COOP

General Requirements

- All **conductors** must be **copper or aluminum, covered, and sunlight resistant**.
- HOTEK provides all power poles (no exceptions).
- Member must **consult a licensed electrician** to determine **proper wire size**.

Member's Responsibility

- Provide pedestal or rack.
- **Rack or pedestal frame** must be made from **substantial metal material**.
- Meter base and main disconnect must be **mounted on the pedestal or rack**.
- Meter base may be ringed or ringless (**ringless preferred**).
- Meter base and main disconnect must be **no more than 12 inches apart**.
- Provide conduit and wire.
- Conduit length must be based on pole size shown below.
- Provide weatherhead with **6 ft of wire tail** extending from the weatherhead.
- Provide ditch with **minimum depth of 2 ft**.

Conduit Length by Pole Size (Member Provides)

- Conduit Type: Electrical non-metallic PVC, Schedule 40 minimum
 - 35 ft pole → 20 ft of 3" conduit
 - 40 ft pole → 25 ft of 3" conduit
 - 45 ft pole → 30 ft of 3" conduit

Installation Notes

- Meter base must be mounted **4–6 ft above final grade**.
- **Driven ground rod required at the meter.**
- Pedestal or rack must be set **10–15 ft from the transformer pole**.
- If **conductor larger than 350 URD** is used, member must provide **reducing adapters ("stingers")** for proper termination.
- Member must dig the trench, lay conduit and wire from the meter base to the transformer pole, cover the trench, and stub conduit/wire up at the base of the pole. Coop **will not** inspect trench.
- HOTEK crew will mount the member-provided conduit, wire, and weatherhead up the pole and make transformer connections.

