

West Central Electric Cooperative, Inc.
200-amp Meter Base Installation
REQUIREMENTS WITHIN A DISTANCE OF 150 FEET,
UNDERGROUND SERVICE INSTALLATION
ANY DEVIATION MUST BE PRE-APPROVED BY THE ENGINEERING DEPT.

**METER BASE AND MATERIAL MUST BE INSTALLED BEFORE FINAL
INSPECTION OR CONSTRUCTION MAY BE DELAYED.**

Call 816-565-4942 and ask for inspections

All inspections will be in person and require 1 business day notice

1. Meter enclosure shall be located free from obstructions with 30 inches on all sides. Meter enclosure shall also have 3 feet of clearance from doors and windows, and have 4 feet of clearance in the front. The meter shall be located at 5' (+/- 6") from final grade.
2. Meter enclosure shall be mounted on two cross members, minimum, 2"x4", with 4 toggle bolts. Cross members shall be attached securely to stubs on both sides. **Interior walls shall remain open so that proper installation of cross members and toggle bolts can be inspected.**

For Brick application use 4 long screws 6 3/4" x 1/4" (Timber Ties) or equivalent to. Screws must come through the back side of the cross members.

Or use 4 metal sleeve anchors 2-3/4 " long by 1/4" (**No plastic**) for brick, block and concrete.
3. Only one set of service wires may exit the meter enclosure. Members disconnect shall be within 15 ft of meter enclosure.
4. Contractor shall provide 2 1/2" expansion joint, conduit, and hangers for West Central Electric's service wire. The contractor shall install the conduit on the left side for a 200-amp base. Conduit will be coupled to existing stub out conduit at transformer or service box. **Trench for conduit shall remain open for inspection of proper depth (30" minimum) and installation.** If the conduit is obstructed or collapsed, the contractor will be required to repair it before the service wire is installed.
5. A copper-clad ground rod shall not be less than 5/8" in diameter and not less than 8' in length. The top of the ground rod shall be a minimum of 12" below grade and 24" from the structure.
6. #6 or larger copper grounding electrode conductor shall be installed in 1/2" PVC conduit, from the bottom of meter base extending a minimum of 12" below grade.
7. West Central Electric is not responsible to maintain any connected breaker box, transfer switch, or disconnect box.

8. **Meter enclosure shall be located on the side of the structure closest to the transformer or service box.**
9. Grade of the site must be within 3% of the final before meter base inspection.
11. Installation shall conform to the National Electric Safety Code.

200 Meter Base Provided By West Central Electric
May be picked up at Higginsville or Oak Grove Office by Appointment

**Material Provided for an Underground Service Installation
by Contractor**

- Two 2"x4" cross members
- Four toggle bolts long enough to go through siding and cross members
- Brick application (4) 6-3/4 " by 1/4 " screws (Timber Ties)
- Or use (4) metal 2-3/4 x 1/4 sleeve anchors
- Sufficient 2.5" SC. 40 PVC to extend from the meter enclosure to WCE's stub out
- One terminating expansion type adapter with lock nut and bushing
- One 2.5" 90-degree sweep 36" radius
- 2.5" coupling for attaching to conduit stubbed out of transformer or service dome
- 1/2" PVC conduit terminating adapter and lock nut
- Sufficient 1/2" SC. 40 PVC to extend from the meter base to 1' below final grade
- Two straps for 1/2" conduit
- Sufficient #6 or greater grounding electrode conductor to attach from enclosure to ground rod
- One ground rod (5/8" x 8' copper clad) & approved clamp

