



FORT LOUDOUN ELECTRIC COOPERATIVE

Specification For
Member Owned Overhead Meter Pole

COPPER CONDUCTOR CHART

200A	100A
(2) - 2/0 (HOT)	(2) - #4 (HOT)
(1) - 1/0 (NEUT.) WHITE	(1) - #4 (NEUT.) WHITE

ALUMINUM CONDUCTOR CHART

200A	100A
(2) - 4/0 (HOT)	(2) - #2 (HOT)
(1) - 2/0 (NEUT.) WHITE	(1) - #2 (NEUT.) WHITE

Expose 2' of conductor

Top of weatherhead must be a minimum of 14 foot from ground level.

FLEC
Point of
Delivery

Straps to be placed as shown.

Center of Meter Base to be 5 1/2' to 6' High

Disconnect with Main Breaker & Space for Additional Breakers

Unbroken #4 Copper Ground Wire from Meter Base Ground Lug to Ground Rod

Leave top of ground rod w/acorn type ground rod clamp exposed until after inspection.

8' ground rod driven completely.

Pole set Minimum 5 foot in ground.

POLE REQUIREMENTS

1. POLE MUST BE A MINIMUM 6 X 6 PRESSURE TREATED WOOD POST AT LEAST 20 FOOT LONG. (ROUND POLES MUST BE AT LEAST 4 3/4" AT SMALL END AND CAN ONLY BE CREOSOTED OR PRESSURE TREATED)
2. POLE MUST BE SET AT A MINIMUM OF 5 FEET DEEP.
3. BOTTOM OF PANEL MUST BE NO CLOSER THAN 2 FOOT FROM FINAL GRADE.
4. METER BASE MUST NOT BE MORE THAN 5 1/2 FEET TO 6 FEET FROM GROUND LEVEL TO CENTER OF METER SOCKET
5. #4 BARE COPPER UNBROKEN FROM METERBASE TO 8 FOOT DRIVEN GROUND ROD.

- Conduit to plug must be sufficiently strapped.
- Plug must be an approved GFCI receptacle with weatherproof box.
- Must have a weatherproof while in use cover.
- Wiring from disconnect to plug **CAN NOT** be Romex.

FLEC IS A MEMBER OF THE TENNESSEE 811 SYSTEM
Call before digging to set meter pole and ground rod!

**FORT LOUDOUN ELECTRIC COOPERATIVE
MEMBER OWNED OVERHEAD METER POLE**

STATE ELECTRICAL INSPECTOR : LARRY MILLER
Phone # 423-836-2938
Monday - Thursday 7:00 am to 8:00 am

Inspection days are: - Monroe Co. - Monday and Wednesday
- Blount Co. and Loudon Co. - Tuesday and Thursday
(North of the River Bridge in Vonore)

No inspections are performed on Fridays.

As of January 27, 2020, FLEC no longer sells electrical permits. Permits can be purchased and scheduled online at <http://www.core.tn.gov>. Keep all paperwork, as you will need it for scheduling inspections.

To speak with Larry Miller concerning questions about wiring, please call 423-836-2938 between 7:00 am and 8:00 am on Monday thru Thursday.

- ***Property address must be marked on road and also on the structure being inspected (temp pole, RV pole, house, etc...)***
- ***AS OF OCTOBER 1, 2018, ALL NEW HOMES AND USED MOBILE HOMES MUST HAVE POWER BEFORE FINAL INSPECTION.***
- ***LOCATION OF METER POLE MUST BE APPROVED BY FLEC'S ENGINEERING SERVICES DEPARTMENT PRIOR TO SETTING.***
- ***METER POLES INSTALLED BEFORE PRIOR APPROVAL BY FLEC'S ENGINEERING SERVICES DEPARTMENT COULD BE REQUIRED TO BE RELOCATED.***
- FLEC IS A MEMBER OF THE TENNESSEE 811 SYSTEM. REMEMBER TO CALL 811 BEFORE YOU DIG SO THAT UNDERGROUND UTILITIES CAN BE MARKED.