



# FORT LOUDOUN ELECTRIC COOPERATIVE

## Specification For Member Owned URD Meter Pole for Mobile Home Installations

**MOBILE HOME MUST BE ON SITE AND METER ENTRANCE MUST BE APPROVED BY FLEC ENGINEERING SERVICE DEPARTMENT PRIOR TO BEING INSTALLED!**

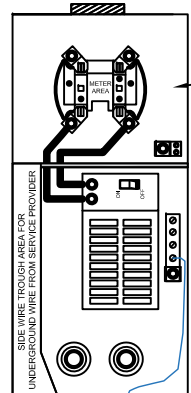
200A *	400A *	100A * **
2 - 2/0CU (HOT)	Check with State Electrical Inspector	2 - #4CU (HOT)
1 - 1/0CU (NEUT) FACTORY WHITE		1 - #4CU (NEUT) FACTORY WHITE
1 - 4THWCU (GR) FACTORY GREEN		1 - #4THWCU (GR) FACTORY GREEN

\* IF ALUMINUM CONDUCTOR IS USED, CONDUCTOR MUST BE ONE SIZE LARGER

\*\* IF INSTALLING 100 AMP, ENTIRE SERVICE MUST BE DUG AND ALL CONDUIT AND WIRE INSTALLED BY MEMBER!

**NOTE:**

- SERVICE ENTRANCE CAN EITHER BE MOUNTED DIRECTLY TO THE WALL OR ON A 6"X6" POLE.
- EITHER A COMBO METERBASE WITH DISCONNECT (AS SHOWN) OR A SIDEWIRE/OFFSET METER BASE WITH SEPARATE DISCONNECT CAN BE USED FOR URD SERVICE TO A MOBILE HOME.
- SEE CLOSE UP ON RIGHT FOR ADDITIONAL INFO



CENTER OF METER SOCKET TO BE 5' TO 6' HIGH FROM FINAL GRADE

### POLE REQUIREMENTS

1. POLE MUST BE A MINIMUM 6 X 6 PRESSURE TREATED WOOD POST AT LEAST 8 FOOT LONG.
2. POLE MUST BE SET AT A MINIMUM OF 3 FEET DEEP.
3. POLE MUST BE SET WITHIN 12 INCHES FROM THE MOBILE HOME
4. METERBASE MUST NOT BE MORE THAN 6 FOOT FROM GROUND LEVEL TO CENTER OF METER SOCKET, AND NO CLOSER THAN 5 FOOT FROM FINAL GRADE.
5. #4 BARE COPPER UNBROKEN FROM METER BASE TO A SINGLE 8 FOOT DRIVEN GROUND ROD.

SCHEDULE 80 CONDUIT MEMBER INSTALLED

EXPANSION COUPLING MEMBER INSTALLED

STRAPS WHERE NEEDED

UNBROKEN #4 COPPER GROUND WIRE FROM METER BASE GROUND LUG TO GROUND ROD

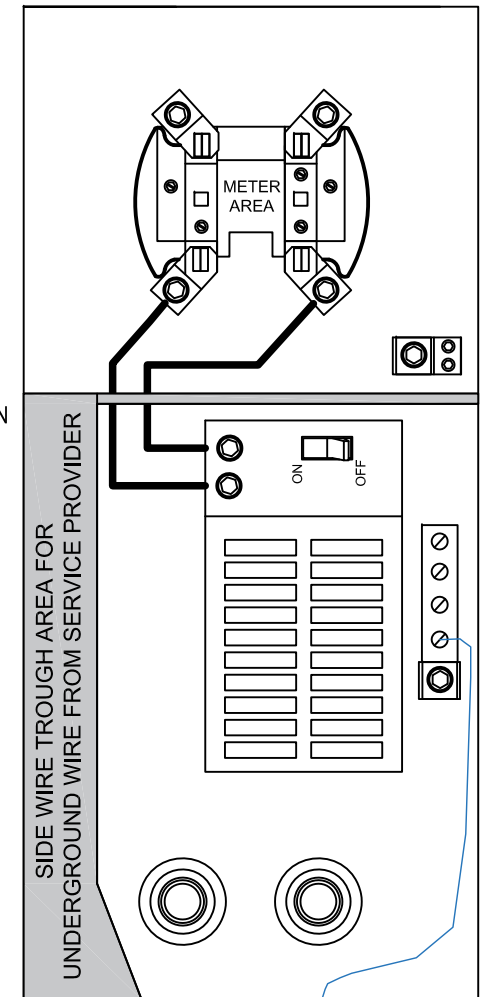
FINAL GRADE

6" X 6" POLE MINIMUM 3' DEEP

ONE 8' DRIVEN GROUND ROD MEMBER INSTALLED

3' Deep

Member installed 36 Inch Schedule 40 sweeping radius with ends capped or taped to prevent debris from entering.



SIDE WIRE TROUGH AREA FOR UNDERGROUND WIRE FROM SERVICE PROVIDER

**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 URD METER POLE FOR MOBILE HOME INSTALLATIONS

Electrical permits can be purchased and scheduled online at <http://www.core.tn.gov>. Be sure to keep all paperwork as you will need it again when its time for scheduling the inspections. You can also visit [www.flec.org](http://www.flec.org) for a list of issuing agents that sell permits over the phone.

This list is not all of the requirements, but it is some of the ones that give the most problems.

- Entrance location must be approved by FLEC Engineering Services Department prior to installation.
  - Must have yellow copy of septic system permit from county health department. (Monroe Co. only)
  - Dryer and Range must be 4 conductor cable, receptacle, and pigtail.
  - Must have smoke detectors for bedroom areas.
  - No exposed romex or other type wiring allowed under mobile home.
  - All outlets, switches, and light fixtures must be in good repair.
  - All wiring in ditch from disconnect to breaker box must be left visible for inspector.
  - Ground rod clamp must be visible for inspection.
  - Only 1 conductor to be attached to ground rod.
  - No under pinning until after inspection.
  - Conduit must be strapped under mobile home with galvanized strapping
  - State Setup Permit (Purple Sticker)
  - Rough-In inspection on member installed meter entrance, conduit and sweep for before underground service line can be installed.
  - HVAC State Permit (When Applicable)
  - Service Release Permit (Early On) is required for used mobile homes
  - Final State Electrical Inspection
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- ***Property address must be marked on road and also on the structure being inspected (temp pole, RV pole, house, etc...)***
  - ***Mobile home must be onsite prior to FLEC engineer site visit!***

**PLEASE CONTACT THE ELECTRICAL INSPECTOR CONCERNING ANY QUESTIONS ON WIRING.**

**FLEC IS A MEMBER OF THE TENNESSEE 811 SYSTEM.  
REMEMBER TO CALL 811 BEFORE YOU DIG  
SO THAT UNDERGROUND UTILITIES CAN BE MARKED.**