



FORT LOUDOUN ELECTRIC COOPERATIVE

Specification For
Member Owned Overhead Meter Pole

POLE LOCATION MUST BE APPROVED BY FLED ENGINEERING SERVICE DEPARTMENT PRIOR TO BEING INSTALLED!

TOP OF WEATHERHEAD MUST BE A MINIMUM OF 14 FOOT HIGH FROM FINAL GRADE.

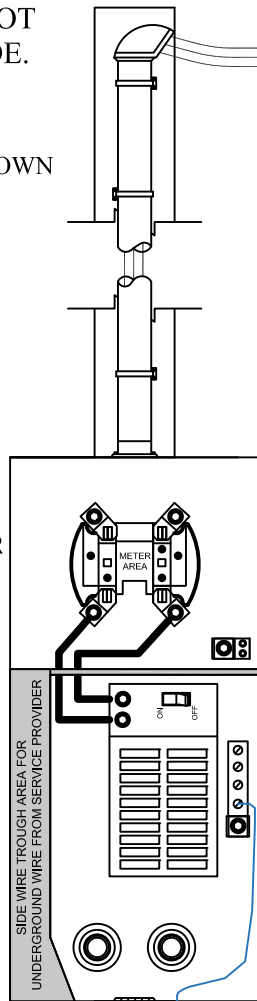
EXPOSE 2 FOOT OF CONDUCTOR

FLEC Point of Delivery

STRAPS TO BE PLACED AS SHOWN

NOTE:

- EITHER A COMBO METERBASE WITH DISCONNECT (AS SHOWN) OR A STANDARD OVERHEAD METER BASE WITH SEPARATE DISCONNECT CAN BE USED FOR OVERHEAD SERVICE TO MOBILE HOME.
- CAN USE EITHER A RINGED OR A RINGLESS METER BASE.
- SEE CLOSE UP ON RIGHT FOR ADDITIONAL INFO



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

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

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

FINAL GRADE

ONE 8' GROUND ROD DRIVEN COMPLETELY MEMBER INSTALLED

LEAVE TOP OF GROUND ROD WITH ACORN TYPE GROUND ROD CLAMP EXPOSED UNTIL AFTER INSPECTION.

POLE SET MINIMUM 5 FOOT IN GROUND.

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

COPPER CONDUCTOR CHART

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

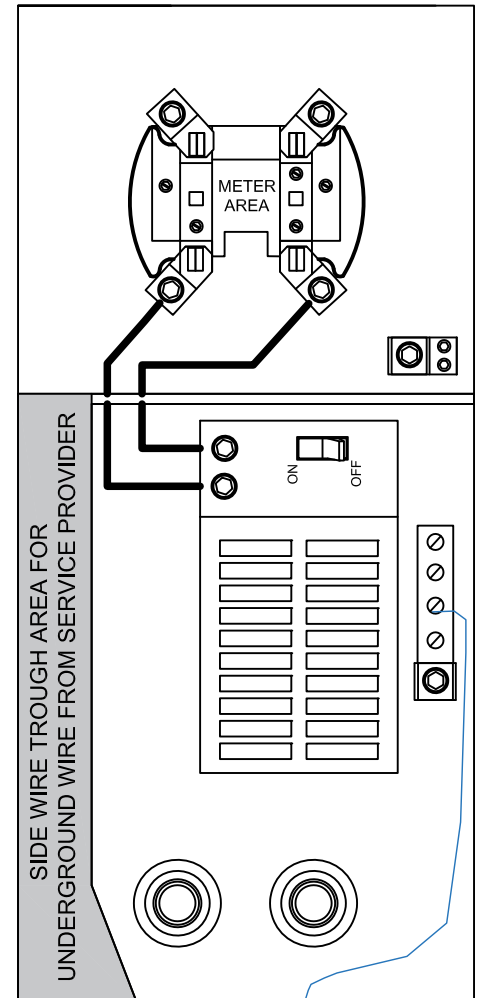
ALUMINUM CONDUCTOR CHART

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

Note: For commercial applications, wire size must be one size larger than stated on charts above.

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 FEET TO 6 FEET FROM GROUND LEVEL TO THE CENTER OF METER SOCKET
5. #4 BARE COPPER UNBROKEN FROM METERBASE TO SINGLE 8 FOOT DRIVEN GROUND ROD.



FORT LOUDOUN ELECTRIC COOPERATIVE MEMBER OWNED OVERHEAD METER POLE

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 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.

- ***Any aid of construction fees must be paid before jobs can be released to construction.***
- ***Final state electrical inspection is to be performed before service can be connected.***
- ***Property address must be marked on road and also on the structure being inspected (temp pole, RV pole, house, etc...)***
- ***LOCATION OF METER POLE MUST BE APPROVED BY FLEC'S ENGINEERING SERVICES DEPARTMENT PRIOR TO BEING INSTALLED.***
- ***METER POLES INSTALLED BEFORE PRIOR APPROVAL BY FLEC'S ENGINEERING SERVICES DEPARTMENT COULD BE REQUIRED TO BE RELOCATED.***

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.**