



FORT LOUDOUN ELECTRIC COOPERATIVE

Specification For
Member Owned Overhead Meter Pole
For Mobile Home Installations

COPPER CONDUCTOR CHART

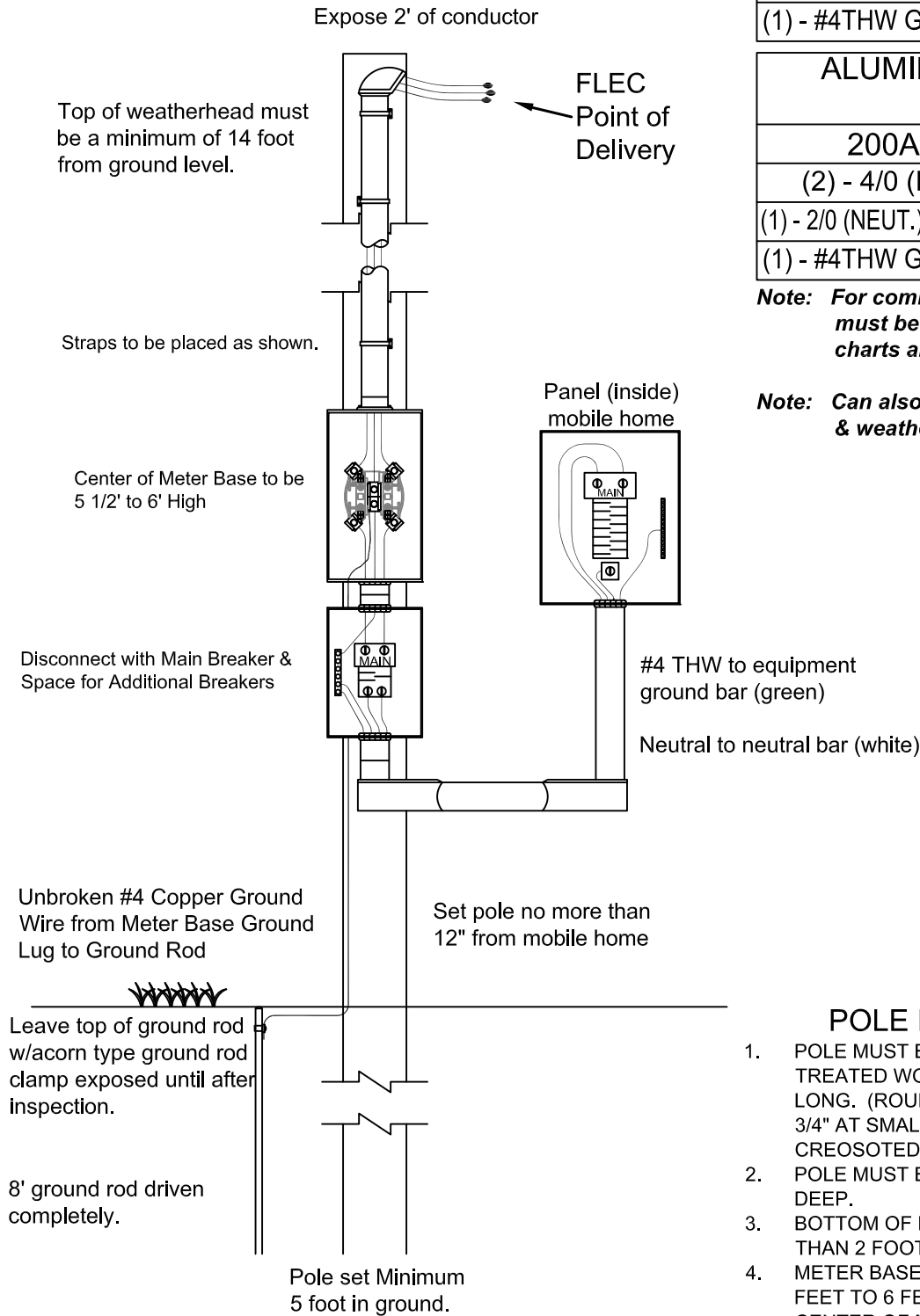
| 200A | 100A |
|-------------------------|------------------------|
| (2) - 2/0 (HOT) | (2) - #4 (HOT) |
| (1) - 1/0 (NEUT.) WHITE | (1) - #4 (NEUT.) WHITE |
| (1) - #4THW GREEN | (1) - #4THW GREEN |

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.

Note: Can also mount meter base, disconnect, & weatherhead to wall of certain homes.



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.

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 FOR MOBILE HOME INSTALLATIONS

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 about questions on wiring, please call 423-836-2936 between 7:00 am and 8:00 am on Monday thru Thursday.

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

- 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 Set-Up Permit (Purple Sticker)
- HVAC State Permit (When Applicable)
- Final State Electrical Inspection

- ***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.