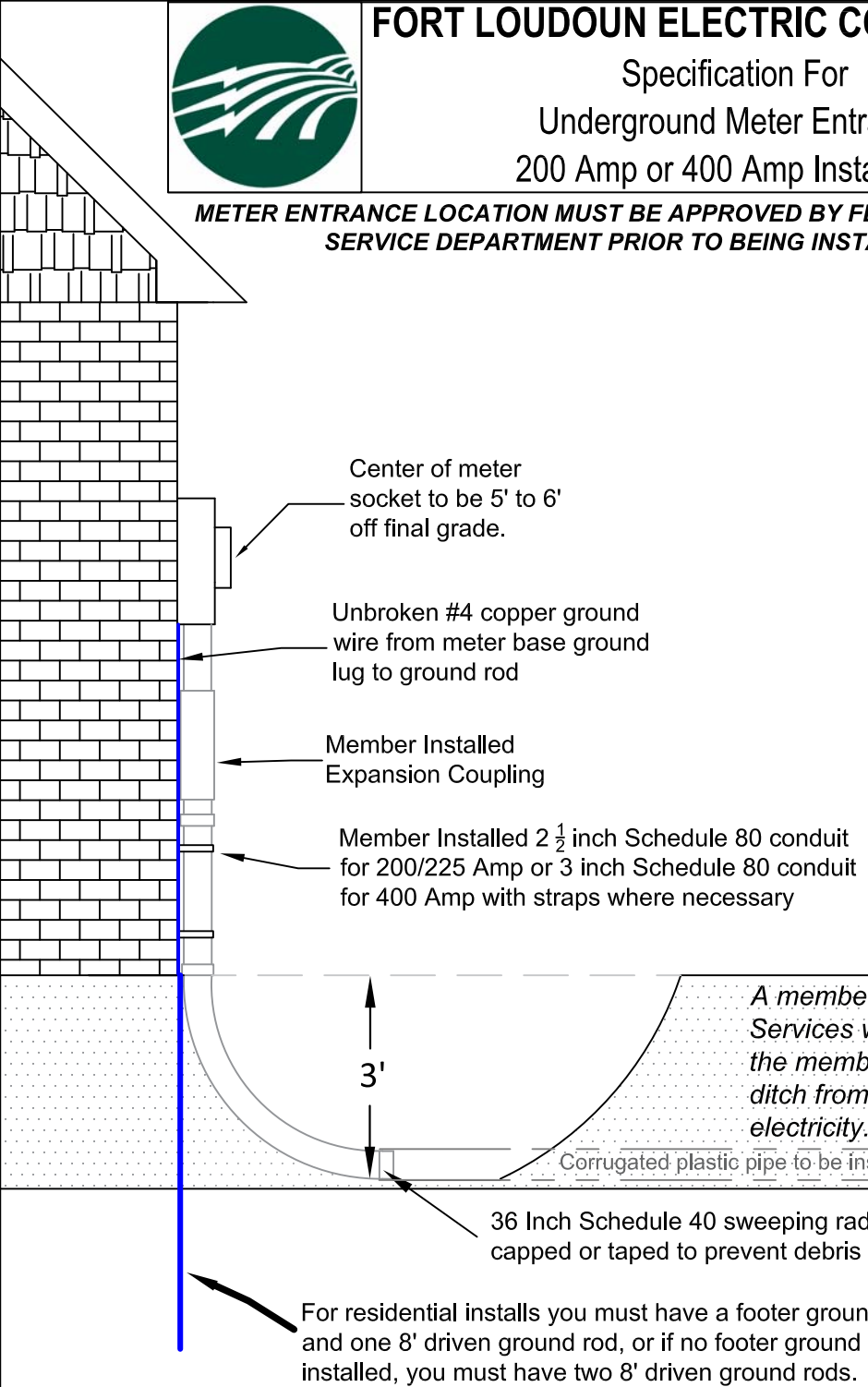




FORT LOUDOUN ELECTRIC COOPERATIVE

Specification For Underground Meter Entrance 200 Amp or 400 Amp Installation

METER ENTRANCE LOCATION MUST BE APPROVED BY FLEC ENGINEERING SERVICE DEPARTMENT PRIOR TO BEING INSTALLED!



Center of meter socket to be 5' to 6' off final grade.

Unbroken #4 copper ground wire from meter base ground lug to ground rod

Member Installed Expansion Coupling

Member Installed 2 1/2 inch Schedule 80 conduit for 200/225 Amp or 3 inch Schedule 80 conduit for 400 Amp with straps where necessary

3'

A member of FLEC Engineering Department Services will determine whether FLEC crews or the member shall be responsible for digging the ditch from the sweep to the FLEC source of electricity.

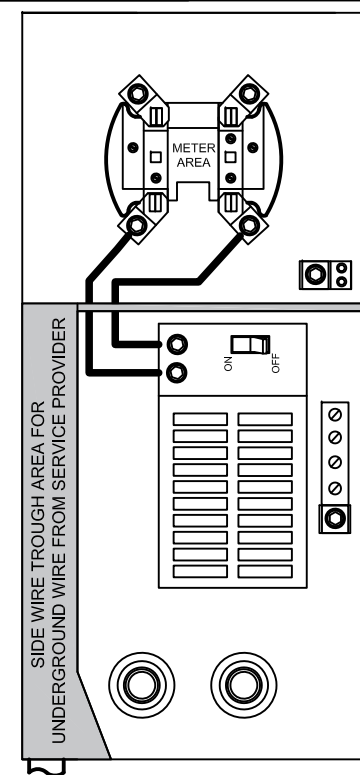
Corrugated plastic pipe to be installed by FLEC after sweep rough-in inspection

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

For residential installs you must have a footer ground and one 8' driven ground rod, or if no footer ground installed, you must have two 8' driven ground rods.

Member is to install:

- Meter base with temporary cover
 - If 200 / 225 amp an offset meter base is required or a meter / load center combo can be used. See close-up at right for combo example.
 - If 400 amp, either a bolt on or plug on meter base is acceptable
- Any disconnecting means if required per state regulations
- Complete conduit system in ground and up to meter base which includes the following:
 - 2 1/2" Schedule 80 Electrical Grade PVC Conduit for 200/225 Amp Service or 3" Schedule 80 Electrical Grade PVC conduit for 400 Amp Service
 - Expansion joint/Slip Joint
 - 36" Schedule 40 Sweeping Radius with capped or taped end in ditch
 - Straps (where necessary)
 - Cleaned and glued joints



No water, sewer, or gas lines are to be installed in the same ditch with any electrical lines.

Phone and or cable lines may be installed in ditch, but must be installed above the red CAUTION tape.

**FLEC is a member of the Tennessee 811 System.
Remember to call 811 to request any underground utilities to be marked before you dig!**

FORT LOUDOUN ELECTRIC COOPERATIVE

Underground Meter Entrance 200 Amp or 400 Amp Installation

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 it is 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 paid before jobs can be released to construction.***
- ***Rough-in inspection on the member installed sweep and conduit before service line can be installed.***
- ***Service Release (Early-On) Electrical Inspection is to be performed after the service line has been installed but 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 ENTRANCE MUST BE APPROVED BY FLEC'S ENGINEERING SERVICES DEPARTMENT PRIOR TO BEING INSTALLED.***
- ***METER ENTRANCE 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.

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SO THAT UNDERGROUND UTILITIES CAN BE MARKED.**