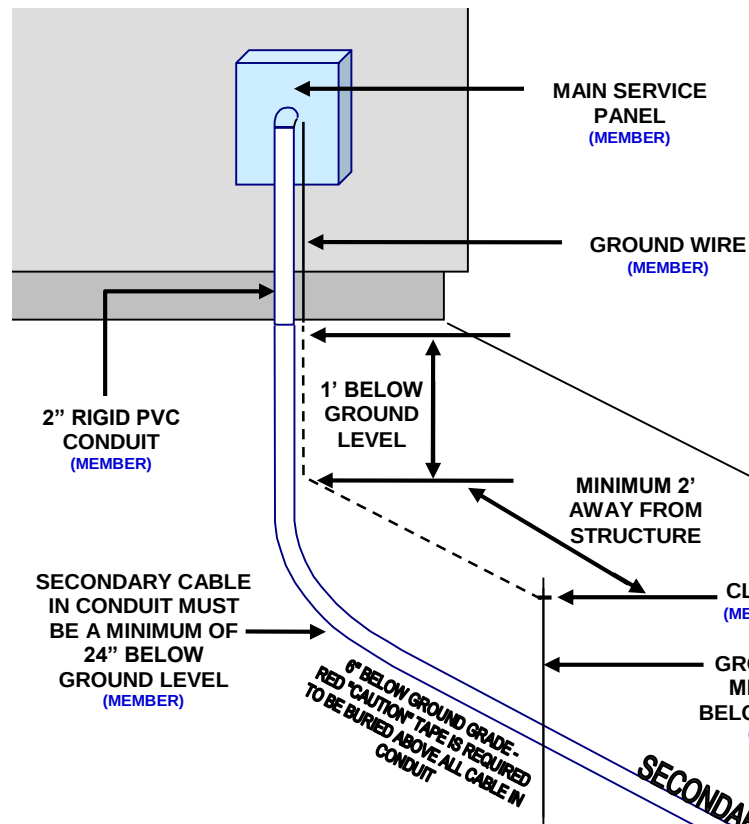
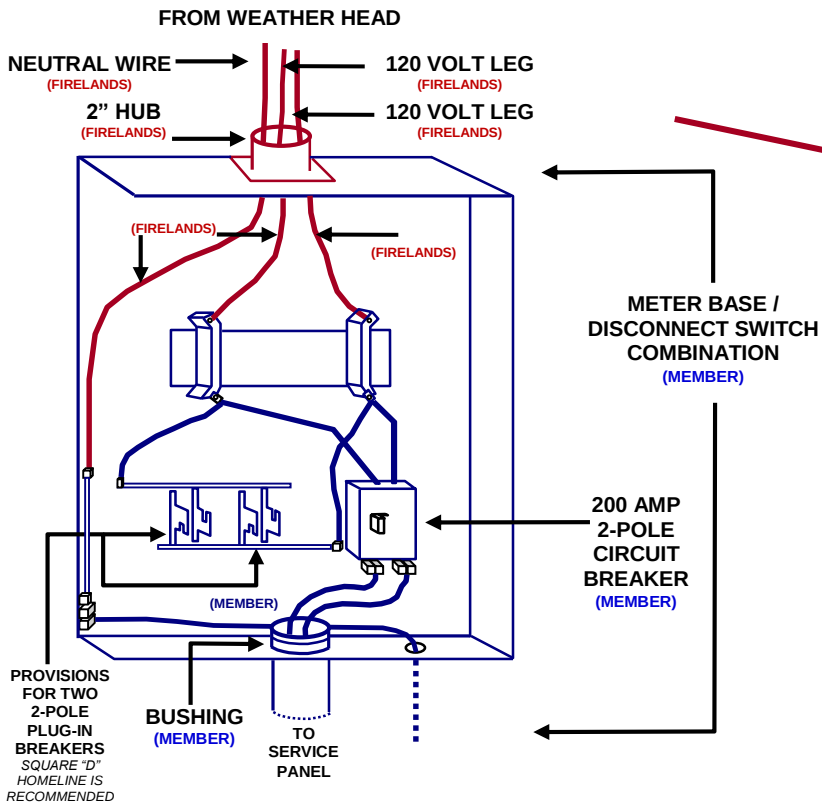
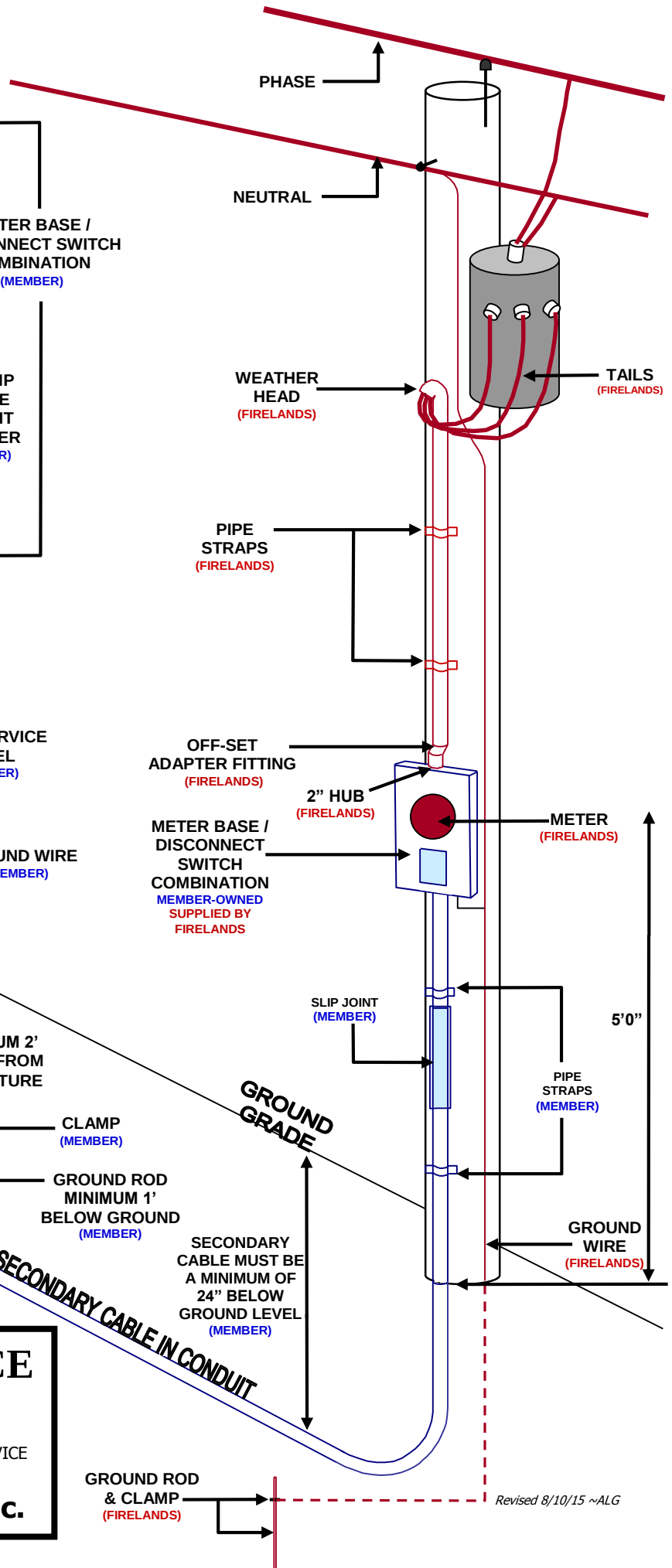




UNDERGROUND SERVICE INSTALLATION

200 AMP, UM 5-2 METER BASE, 120/240 V SERVICE
POLE MOUNTED TRANSFORMER
Firelands Electric Cooperative, Inc.



Revised 8/10/15 ~ALG



**UNDERGROUND SERVICE INSTALLATION
POLE MOUNTED TRANSFORMER
200 AMP, UM 5-2 METER BASE, 120/240 VOLT SERVICE**

NOTES:

- The cooperative will install all material up to the combination meter base/disconnect switch on the pole and make necessary connections to its distribution facilities at owner's expense.
- The member shall install and maintain all conduit and cable from the combination meter base on the pole to the main service panel in the building.
- All trenching shall be done by member and in accordance with guidelines provided by the cooperative.
- Aluminum electrical joint compound shall be applied to all aluminum conductors before installing in terminals of the meter base and service panel.
- If conduit goes straight into basement, water seal should be applied around cable entrance in order to prevent water dripping into the service panel.
- The installation shall comply with local, county and/or national electrical code.
- Caution tape must be installed inside trench area.
- The cooperative maintains all ownership of electrical meters.

REQUIREMENTS:

- Meter base must be installed so that the face of the meter will be 5-feet above the final ground level.
- Secondary cable conduit must be a minimum of 24-inches below the final ground level.
- Service panel ground rod must be located 2-feet away from the building and 1-foot below the final ground level.
- Member shall install slip joint or reducer ring to meet local, county and/or national electric codes.

MATERIALS:

Amount Required

Pipe Straps_____	
2-inch Schedule 40 Rigid PVC Conduit (from meter base to building)_____	
Combination Meter Base / Switch_____	(1)
2-inch Bushing & Nut_____	(1)
Ground Rod (for building)_____	(1)
Ground Rod Clamp (for building)_____	(1)
#6 Cu. Min. Ground Wire (for building) and Staples_____	
4/0 Al. Or 2/0 Cu. Underground Cable_____	

Available from Firelands Electric Cooperative –

- ✓ Weather Head
- ✓ 2-inch Rigid PVC Conduit (from weather head to meter base)
- ✓ Pipe Straps (for conduit above meter)
- ✓ Ground Rod (for pole)
- ✓ Ground Rod Clamp (for pole)
- ✓ #6 Cu. Ground Wire (for pole)
- ✓ Meter
- ✓ #4/0 Al. Cable (for pole)