TRI–COUNTY RURAL ELECTRIC COOPERATIVE , INC.

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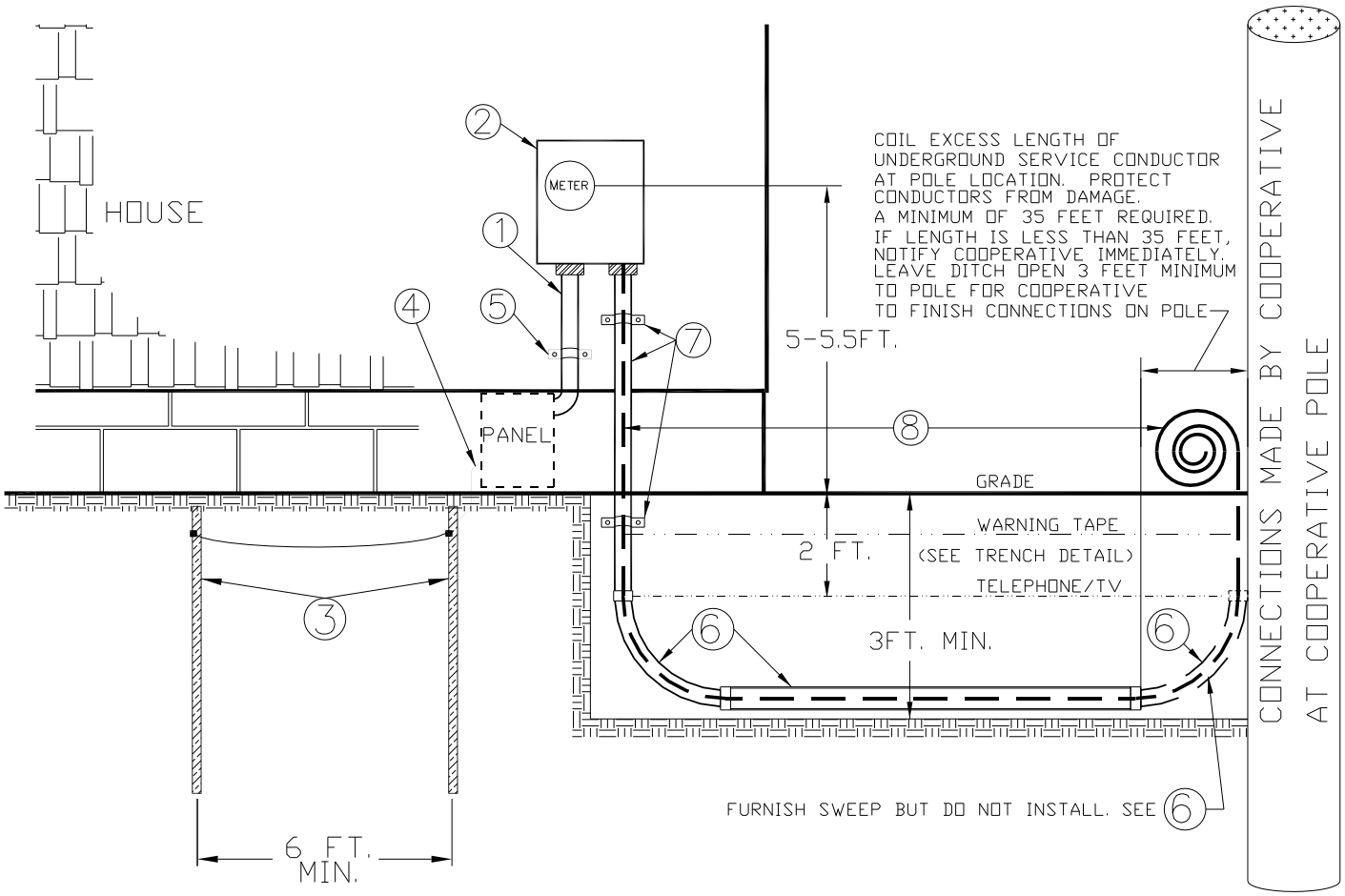
INSTALLATION REQUIREMENTS FOR UNDERGROUND SERVICE TO A PERMANENT BUILDING

IMPORTANT:

ALL INSTALLATIONS MUST BE INSPECTED AND APPROVED BY THE MUNICIPALITY APPROVED INSPECTION AGENCY (PER UCC CODE) BEFORE THE SERVICE CAN BE ENERGIZED.

ALL INSTALLATIONS TO BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE



FURNISHED AND INSTALLED BY MEMBER

1. MEMBER OWNED SERVICE ENTRANCE CABLE OR SERVICE ENTRANCE CONDUCTORS IN APPROVED CONDUIT.
   100 AMP - # 2 ALUMINIUM OR # 4 COPPER
   200 AMP - 4/0 ALUMINIUM OR 2/0 COPPER
   INHIBITOR COMPOUND USED ON ALL ALUMINUM WIRE TERMINATIONS
2. MEMBER OWNED 4 JAW UL APPROVED RINGLESS TYPE METERBASE WITH WEATHER TIGHT HUBS AND BY-PASS HORNS, 200 AMP MINIMUM, DO NOT USE BOTTOM CENTER KNOCKOUT.
3. TWO (2) 5/8 INCH X 8 FEET COPPERWELD OR GALVANIZED GROUND RODS SPACED A MINIMUM OF 6 FEET APART.
4. GROUND WIRE # 6 BARE COPPER FOR 100 AMP INSTALLATION AND # 4 BARE COPPER FOR A 200 AMP INSTALLATION. WHERE AVAILABLE , SERVICE SHOULD ALSO BE GROUNDED TO WELL CASING OR UNDERGROUND METALLIC WATER PIPING SYSTEM. GAS OR FUEL OIL PIPING SHALL NOT BE USED AS A GROUNDING ELECTRODE. BONDING: SEE N.E.C. ARTICLE 250
5. CABLE STRAPS AS NEEDED
6. MEMBER SUPPLIED/INSTALLED 3 INCH SCHEDULE 40 PVC ELECTRICAL CONDUIT WITH (2) SCHEDULE 40 PVC 24 INCH MINIMUM RADIUS SWEEPS. DO NOT INSTALL SWEEP AT COOPERATIVE POLE, LEAVE AT POLE FOR INSTALLATION BY COOPERATIVE.
7. 3 INCH STANDARD THREADED CONNECTOR ASSEMBLY, 3 INCH ELECTRICAL GRADE CONDUIT SCHEDULE 80 PVC AND 2 HOLE STRAPS , ONE TO THE BUILDING AND ONE BELOW GRADE, WITH A 1/4 INCH WEEP HOLE DRILLED ABOVE GROUND LEVEL IS SUGGESTED; INSTALLED BY MEMBER.

FURNISHED BY COOPERATIVE / INSTALLED BY MEMBER

8. UNDERGROUND SERVICE CONDUCTORS SUPPLIED BY COOPERATIVE / INSTALLED BY MEMBER FROM METERBASE TO COOPERATIVE POLE IN MEMBER SUPPLIED AND INSTALLED 3 INCH SCHEDULE 40 PVC CONDUIT.

TC-E16
01/2006