



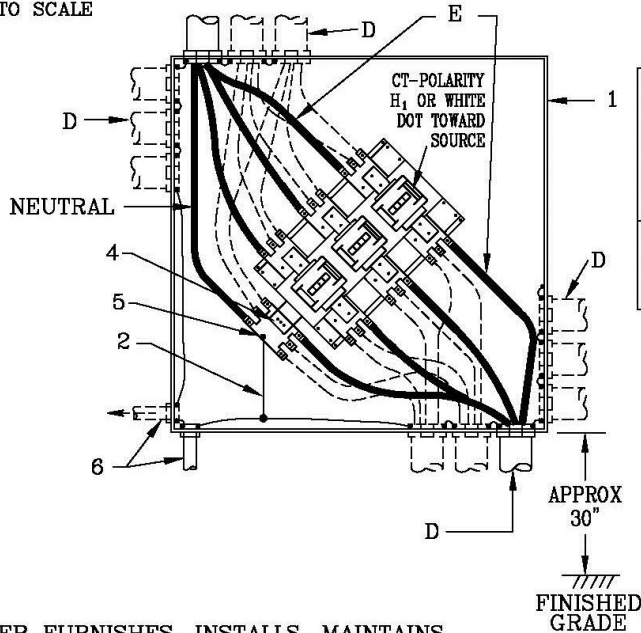
REMSI Sketches 1-25
Sketch #14
6-50

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Sketch #14 Typical arrangement of instrument transformers and mounting for installation in instrument transformer cabinet

3 phase, 4 wire, 208Y/120 volts or 3 phase, 4 wire, Delta 240/120 volts, 1200 ampere maximum

NOT TO SCALE



VOLTAGE: 3 Phase, 4 Wire Wye 120/208V 3 Phase, 4 Wire Delta 120/240V	SERVICE TYPE: Overhead Underground
AMPERAGE: 1200 A Maximum	CABINET LOCATION: Indoor Outdoor

CUSTOMER FURNISHES, INSTALLS, MAINTAINS

1. SEALABLE METAL CABINET MINIMUM SIZE 48 INCHES BY 48 INCHES BY 12 INCHES (SEE TABLES 3 AND 4 – APPROVED INSTRUMENT TRANSFORMER CABINET) AND INSTALLS INSTRUMENT TRANSFORMERS AND MOUNTING FURNISHED BY PPL EU. MOUNT ON 45° ANGLE TO ELIMINATE SHARP BENDS IN CABLES. GROUP CONDUITS IN CORNER OF CABINET.
2. BONDING JUMPER PER NEC ARTICLE 250 – GROUNDING. BONDING JUMPER SIZE 1/0 COPPER.
3. GROUNDING BUSHING SHALL BE ATTACHED TO ALL METAL CONDUITS. THE CONDUITS SHALL BE BONDED TOGETHER, TO THE CABINET AND TO THE NEUTRAL BUS.

PPL EU FURNISHES, INSTALLS, MAINTAINS:

4. TERMINAL FOR METERING NEUTRALS
5. STUD FOR BONDING JUMPER

CUSTOMER FURNISHES, INSTALLS, PPL EU MAINTAINS:

6. CONDUIT TO METER PANEL SEE SKETCH #8C AND RULE 15

PPL EU FURNISHES, MAINTAINS, CUSTOMER INSTALLS:

7. CURRENT TRANSFORMERS (CTS) CT MOUNTING BRIDGE.

NOTES:

- A. MAXIMUM AMPACITY OF EACH CT MOUNTING CONNECTOR IS 400 AMPERES. EACH CONNECTOR CAN ACCOMODATE ONE COPPER OR ALUMINUM CONDUCTOR WIRE RANGE FROM 300 TO 750 KCMIL.
- B. MAXIMUM TIGHTENING TORQUE ON THE CT MOUNTING WIRE CONNECTION 450 INCH-POUNDS.
- C. REAR ENTRY OF CT CABINETS IS NOT PERMITTED FOR PPL EU CABLES.
- D. CONDUITS SHALL HAVE 36 INCH MINIMUM BENDING RADIUS
- E. THIS CONDUCTOR OF 3 PHASE, 4 WIRE, DELTA CONNECTED SERVICE SHALL HAVE THE HIGHER VOLTAGE TO GROUND AND BE IDENTIFIED SEE RULE 5 (G).

*REFERENCE SKETCH #8C
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RULES FOR ELECTRIC METER AND SERVICE INSTALLATIONS PPL ELECTRIC UTILITIES CORPORATION	Rules: 5, 13, 15 Date: 7/18/16 Engr: NAP
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