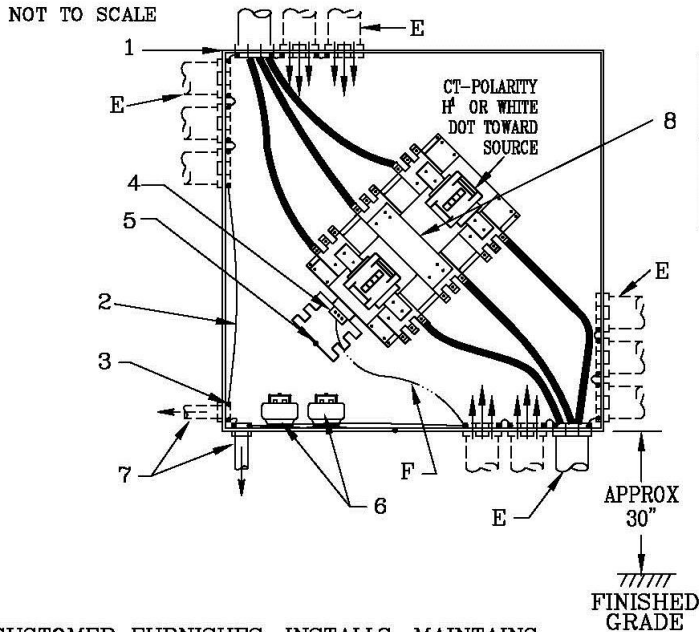


Sketch #15 Typical arrangement of instrument transformer and mounting for installation in instrument transformer cabinet underground

3 phase, 3 wire, 480 volts, 1200 Ampere Maximum



VOLTAGE: 3 Phase, 3 Wire 480V	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. 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.
6. VOLTAGE TRANSFORMERS FOR 480V SERVICE.
7. CONDUIT TO METER PANEL SEE SKETCH #8C AND RULE 15.

CUSTOMER FURNISHES, INSTALLS, PPL EU MAINTAINS:

8. FILLER BAR.

NOTES:

- A. MAXIMUM AMPACITY OF EACH CT MOUNTING CONNECTOR IS 400 AMPERES. EACH CONNECTOR CAN ACCOMMODATE 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. CUSTOMER MUST EXTEND GROUND & BOND IT TO THE INSTRUMENT TRANSFORMER CABINET IF PLASTIC CONDUIT IS INSTALLED BETWEEN CABINET & SERVICE EQUIPMENT.
- E. CONDUITS SHALL HAVE 36 INCH MINIMUM BENDING RADIUS.
- F. GROUND WIRE NOT TO BE USED AS NEUTRAL SEE RULE 5.

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