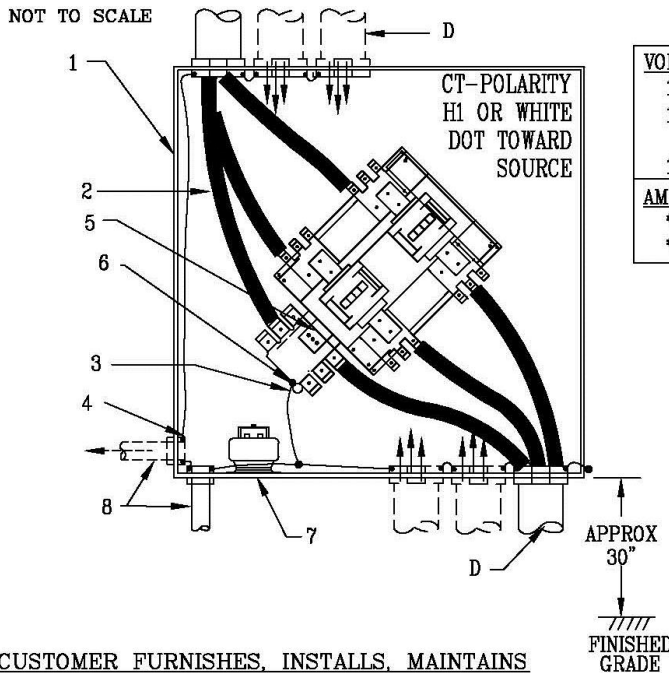


**Sketch #14a Typical arrangement of instrument transformers and mounting for installation in instrument transformer cabinet**

Single phase 120/240 volt or 240/208 volt, Network – 800 to 1200 ampere, Single phase 240/480 volt 600 to 800 ampere



<b>VOLTAGE:</b>	<b>SERVICE TYPE:</b>
1 Phase, 120/240V*	Overhead
1 Phase, 120/208V- NETWORK*	Underground
1 Phase, 240/480V**	
<b>AMPERAGE:</b>	<b>CABINET LOCATION:</b>
**800 A Maximum	Indoor
*1200 A Maximum	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. NEUTRAL
3. BONDING JUMPER PER NEC ARTICLE 250 – GROUNDING. BONDING JUMPER SIZE 1/0 COPPER.
4. 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:

5. TERMINAL FOR METERING NEUTRALS
6. STUD FOR BONDING JUMPER
7. VOLTAGE TRANSFORMERS FOR 240/480V SERVICE

CUSTOMER FURNISHES, INSTALLS, PPL EU MAINTAINS:

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

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

\*REFERENCE SKETCH #8C  
 REMSI\_S014A.dwg

RULES FOR ELECTRIC METER AND SERVICE INSTALLATIONS <b>PPL ELECTRIC UTILITIES          CORPORATION</b>	<b>Rules:</b> 5, 13, 15 <b>Date:</b> 7/18/16 <b>Engr:</b> NAP
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