



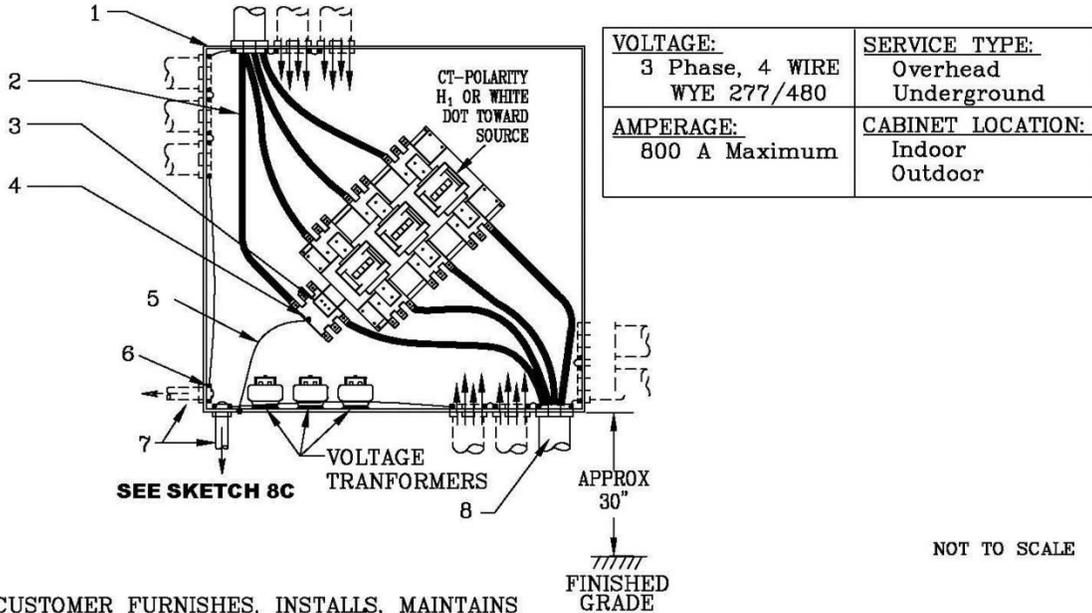
REMSI Sketches 1-25
Sketch #15a
6-50

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

3 phase, 4 wire, Wye 277/480 volts, 800 Ampere Maximum

IF LOAD EXCEEDS 800 AMPERES, SWITCHGEAR OR INSTALLATION PER SKETCH #16A IS REQUIRED.



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. TERMINAL FOR METERING NEUTRALS
4. STUD FOR BONDING JUMPER

CUSTOMER FURNISHES, INSTALLS, PPL EU MAINTAINS:

5. BONDING JUMPER PER NEC ARTICLE 250 - GROUNDING. BONDING JUMPER SIZE 1/0 COPPER.
6. GROUNDING BUSHING SHALL BE ATTACHED TO ALL METAL CONDUITS. THE CONDUITS SHALL BE BONDED TOGETHER, TO THE CABINET AND TO THE NEUTRAL BUS.
7. TO METER PANEL SEE RULE 15
8. CONDUITS SHALL HAVE 36 INCH MINIMUM BENDING RADIUS

NOTES:

- A. MAXIMUM AMPACITY OF EACH CT MOUNTING CONNECTOR IS 400 AMPERES. EACH CONNECTOR CAN ACCOMODATE ONE COPPER OR ALUMINUM CONDUCTOR FROM 300 TO 750 KCMIL.
- B. MAXIMUM TIGHTENING TORQUE ON THE CT MOUNTING WIRE CONNECTION IS 450 INCH-POUNDS.
- C. REAR ENTRY OF CT CABINETS IS NOT PERMITTED FOR PPL EU CABLES.

*REF: SKETCH #8C

RULES: 5, 13, 15

REV	DATE	APPROVED			RULES FOR ELECTRIC METER AND SERVICE INSTALLATIONS PPL ELECTRIC UTILITES CORPORATION
		Drafter	Sponsor	Review	
0	2-2015	JJA	MP		
1	7/18/16	RRC	NAP		