

Typical Arrangement of Instrument Transformer in  
Switchgear Cubicle  
Delta 480V or Wye 277/480V

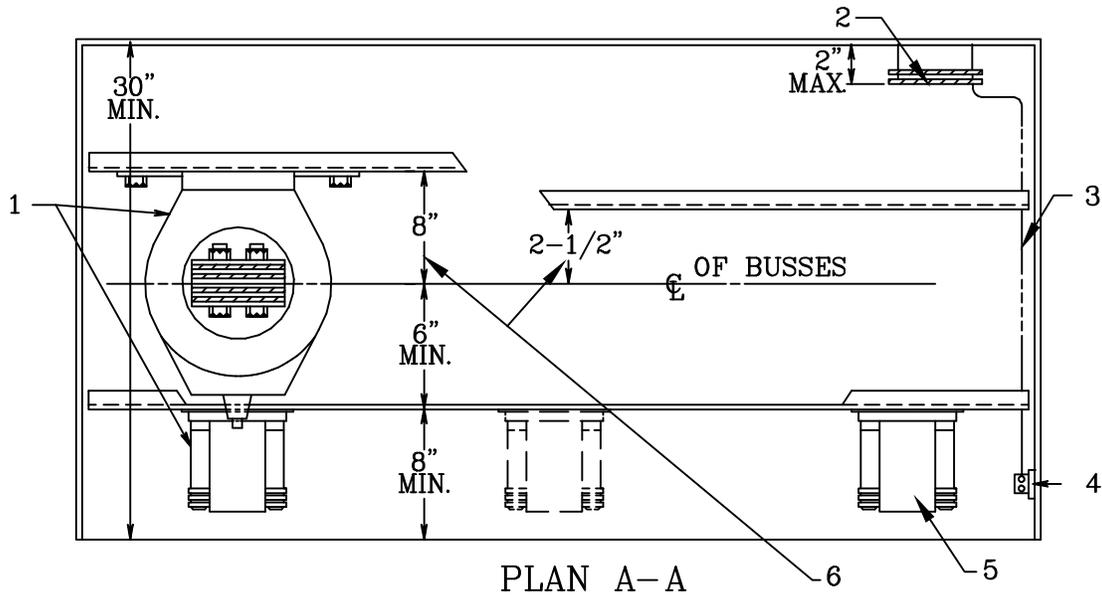
SKETCH #23

SHEET 1 of 2

SKETCH #23

SHEET 1 of 2

NOT TO SCALE



1. CURRENT AND VOLTAGE TRANSFORMERS FURNISHED AND MAINTAINED BY PPL EU AND INSTALLED BY CUSTOMER.
2. GROUNDED NEUTRAL BUS FOR, WYE 277/480V, OMIT NEUTRAL BUS FOR, DELTA 480V AND INSTALL GROUNDING WIRE IN SERVICE PER RULE 5(H).
3. GROUND WIRE BY CUSTOMER 600V COVERED COPPER, #6 AWG MIN. CONNECTED BETWEEN NEUTRAL BUS & TERMINAL BUS & TERMINAL BLOCK
4. TERMINAL BLOCK BY CUSTOMER FOR METERING GROUND INSULATED FROM CUBICLE BLOCK TO ACCOMMODATE 2-#6 & 5-#10 STRANDED COPPER CONDUCTORS.
5. VOLTAGE TRANSFORMER.
6. SUPPORT ADJUSTABLE FROM 2-1/2 INCHES MIN. TO 8 INCHES MAX.

\*REFERENCE CRS 6-19-100; SKETCH #50

RULES FOR ELECTRIC METER AND SERVICE  
INSTALLATIONS  
**PPL ELECTRIC UTILITIES  
CORPORATION**

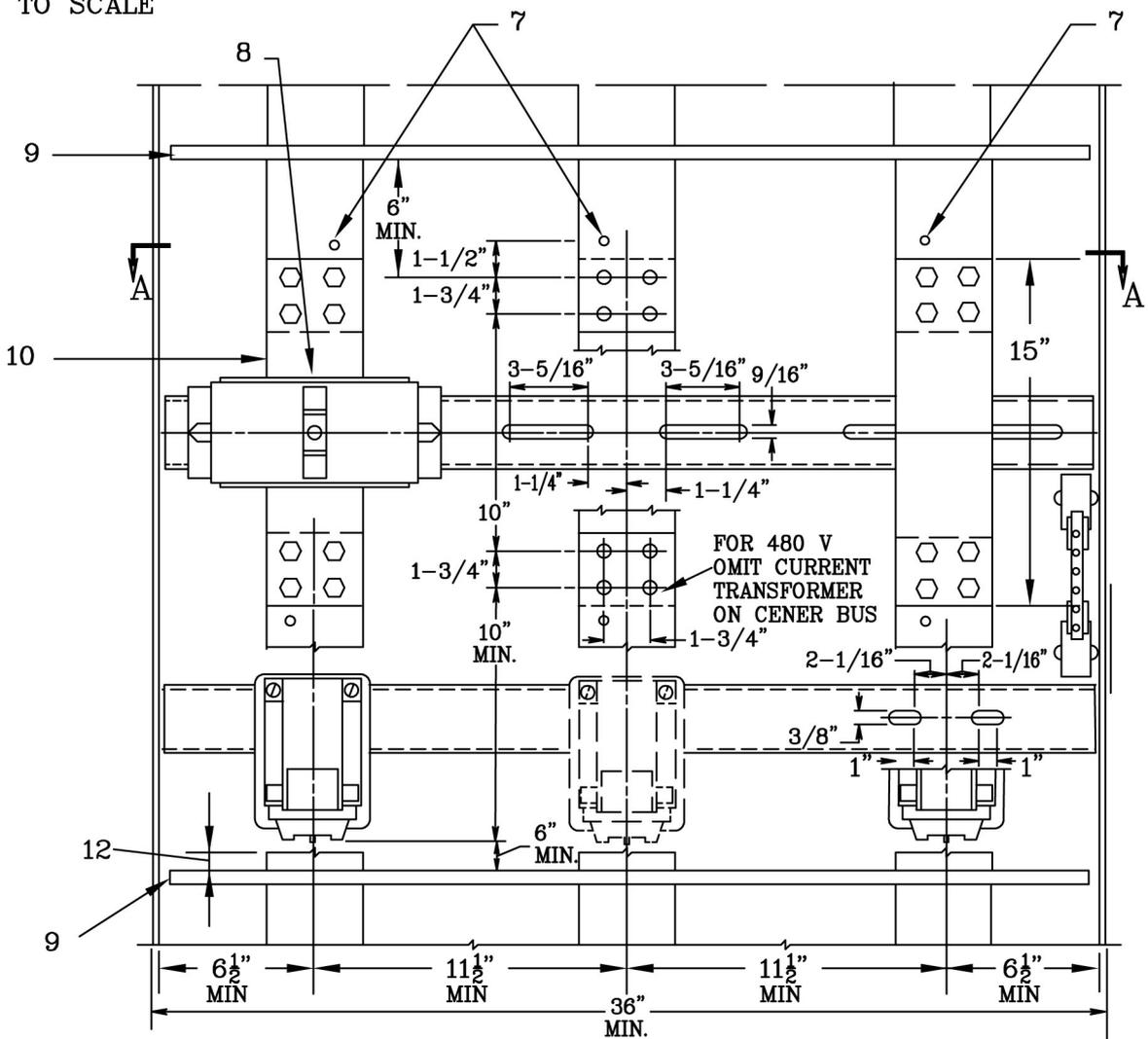
**Rules:** 5, 15

REMSI\_S023P1.dwg

**Date:** 3/7/14 **Engr:** JCC

Typical Arrangement of Instrument Transformer in  
Switchgear Cubicle  
Delta 480V or Wye 277/480V

NOT TO SCALE



FRONT VIEW THROUGH ACCESS OPENING  
WHEN FLAT OF BUS FACES OPENING.  
BUS MAY BE TURNED SO BUS EDGE  
FACES FRONT  
1 C.T. SHOWN, 3 C.T.'S TYPICAL

- 7. PROVIDE 1/4 INCH BY 20 TAPPED HOLE AND SCREW FOR METER WIRING CONNECTION.
- 8. 400 TO 4000 A CURRENT TRANSFORMER.
- 9. FULLY INSULATED BARRIER.
- 10. CUSTOMER FURNISHES BUS FILLERS.
- 11. MINIMUM CLEAR VERTICLE DISTANCE BETWEEN BOTTOM OF BUS BAR AND BOTTOM AT THE CABINET IS 48 INCHES.
- 12. MAXIMUM CONDUIT HEIGHT IS 3 INCHES.

\*REFERENCE CRS 6-19-100; SKETCH #50  
REMSI\_S023P2\_R1.dwg