





480V SECONDARY CONNECTION CABINET WITH AUTOMATIC S&C SWITCH **GENERAL NOTES:** *1.5 INCH CONDUIT FROM SERVICE TRANSFORMER OR SECONDARY CABINET TO PT/CT CABINET SHALL BE LESS 277V, 200A 2. 2. **METER** SCADA THAN 30 FEET TOTAL CONDUIT LENGTH **FUSED** NEMA 3R 27"X15"X12" 24"X24"X8" SCADA AND METER CABINETS ARE 80 INCHES TOP OF 3. CABINET TO FINISHED FLOOR 277:120V XFMR AND ASSOCIATED DISCONNECT 30 INCH CLEAR SPACE NOT REQUIRED FOR 120V SECONDARY SERVICE TO ALLOW FLIP TOP DISCONNECT IS SINGLE PHASE, NEMA 3R, RATED FOR CABINET TO OPEN 277V, 60A FUSED 60A, NEMA 3R 1 INCH KEEP CLEAR 277:120V XFMR IS NEMA 3R DISCONNECT 2 INCH 1.5 INCH FOR 277:120V ALL EQUIPMENT AND CABINETS SHALL BE GROUNDED XFMR A GROUND ROD SHALL BE INSTALLED FOR EACH OF THE FOLLOWING PIECES OF EQUIPMENT: FLIP TOP CABINET, SECONDARY PT'S FLIP TOP PEDESTAL SERVICE TRANSFORMER, (2) AT SERVICE SWITCH CONNECTION 277V / 480V ONLY 5. LIGHTING CONTROLS 4. CABINET 277V, 60A DISCONNECT MUST BE ORIENTATED AS TO 277:120V 24"X24"X8" MEET NEC WORKING SPACE REQUIREMENTS XFMR 42"X42"X53" SERVICE SECONDARY SERVICE TRANSFORMER 30" X 26" X 18" (TYP) TO BUILDING 1 INCH 1 INCH 1 INCH TO DUCTBANK - TRACER 2 INCH 1 INCH 1.5 INCH * 1.5 INCH * 1 INCH 2 INCH TO DUCTBANK - SCADA 2 INCH TO LIGHTING 2 INCH FROM COMP. 1 OR 4 (AUTO SWITCH) AUTOMATIC X2 1 INCH S&C SERVICE SWITCH 4. **CONTROL CABINET** PRIMARY SERVICE Х3

480V SERVICE
AUTO S&C
SECONDARY CAB.

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