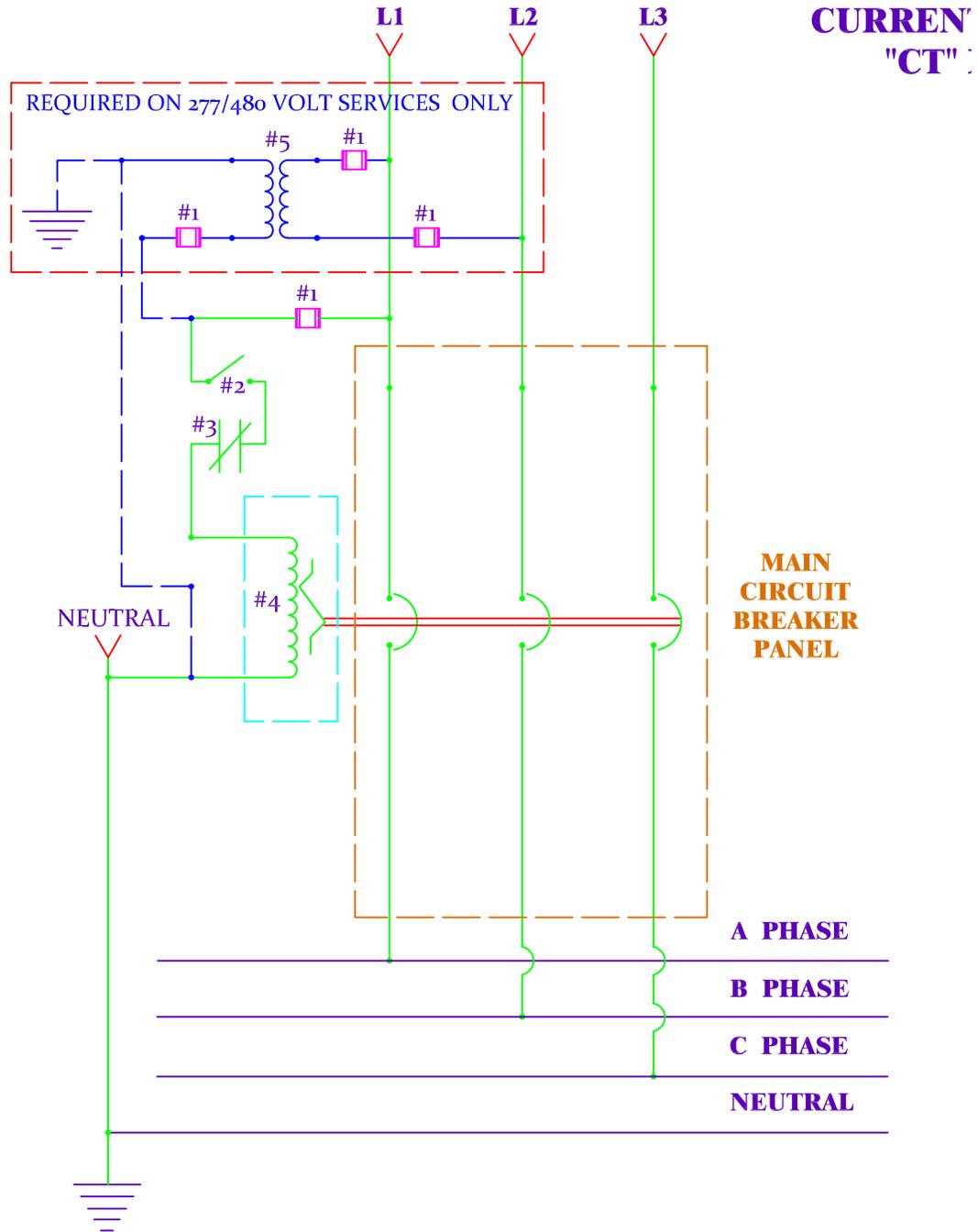


SERVICE MAIN SHUNT TRIP WIRING DIAGRAM
120/208 VOLT OR 277/480 VOLT 3-PHASE 4-WIRE



A 120 VOLT SOURCE IS NEEDED TO PROVIDE CONTROL POWER FOR THE SHUNT TRIP CIRCUIT. THIS 120V POWER MUST BE CONNECTED AHEAD OF THE MAIN CIRCUIT BREAKER AND TERMINATED WITH EITHER FACTORY-SUPPLIED LUGS OR TERMINALS, OR WITH A COMPRESSION RING TERMINAL THAT IS ATTACHED TO THE FACTORY BUS WITH A TAPPED SCREW HAVING A MINIMUM SIZE OF #10-24. **NOTE: THE SHUNT TRIP KEYED CONTROL SWITCH, OR ANY OTHER INITIATING DEVICE MUST BE DEEMED ACCEPTABLE BY THE ST. CHARLES FIRE DEPARTMENT. THE LOCATION OF THIS DEVICE IS DETERMINED BY THE ST. CHARLES FIRE DEPARTMENT.**

MATERIALS NECESSARY FOR 120/208 VOLT SERVICE MAIN SHUNT TRIP:

- #1 BUSSMAN KTK-1 FUSE, OR AN APPROVED EQUIVALENT FUSE
- #2 SINGLE POLE, NORMALLY OPEN, MOMENTARY KEYED SWITCH
- #3 MAIN BREAKER NORMALLY CLOSED AUXILIARY CONTACT
- #4 120 VOLT MANUFACTURER'S SHUNT TRIP COIL

ADDITIONAL MATERIALS FOR 277/480 VOLT SERVICE MAIN SHUNT TRIP:

- #5 STEP DOWN TRANSFORMER 480 VOLTS TO 120 VOLTS SIZE BASED ON THE MANUFACTURER'S REQUIREMENTS & PROPERLY FUSED.