

**POWER WIRING**

- N50KC45XA 250 MCM BLACK**  
 L1A TB OR LS,1M  
 L2A TB OR LS,1M  
 L3A TB OR LS,1M  
 L1A TB OR LS,2M  
 L2A TB OR LS,2M  
 L3A TB OR LS,2M

- N50KC45VA #3/0 BLACK**  
 T4 2M,S  
 T5 2M,S  
 T6 2M,S

- N50KC42MA #8 RES.**  
 R1 OL,RA  
 R2 OL,RB  
 R3 OL,RC  
 R4 T,RA  
 R5 T,RB  
 R6 T,RC

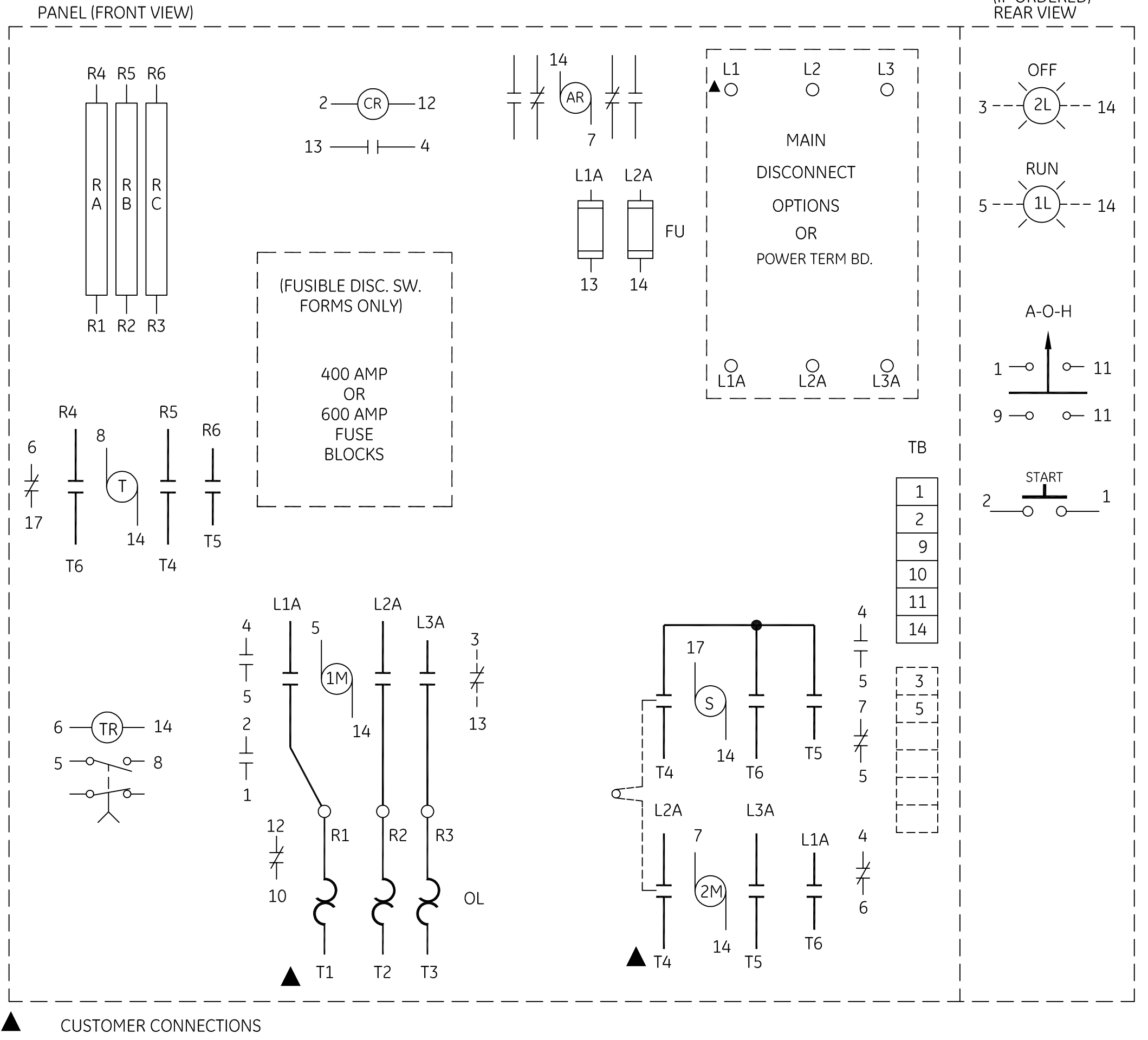
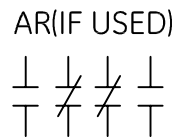
- N50KC45MA #8 BLACK**  
 T4 2M,T  
 T5 2M,T  
 T6 2M,T

**CONTROL WIRING**

- LINE VOLTAGE CONTROL WIRING**  
 N50KC41JA #14 BLACK  
**120 VOLT CONTROL WIRING**  
 N50KC41JC #14 RED

**TIME ADJUSTMENT**  
 THE ACCELERATING TIMER (TR) IS SET BY THE FACTORY TO OPERATE AT APPROX. 10 SEC. THIS TIME SETTING MAY BE ADJUSTED BY TURNING THE ADJUSTMENT SCREW ON THE TIMER IN THE DESIRED DIRECTION.

WHEN INSTALLING FIELD WIRING, USE COPPER CONDUCTORS ONLY, EXCEPT AT TERMINALS WHICH ARE LABELED WITH INSTRUCTIONS REGARDING THE PROPER INSTALLATION OF ALUMINUM WIRE.



- NOMENCLATURE (IF ORDERED)**
- AR AUXILIARY RELAY
  - CPT CONTROL POWER TRANSFORMER
  - FU FUSE
  - 1L,2L INDICATING LIGHT
  - LS LINE SWITCH
  - 1M,2M, OVERLOAD RELAY
  - OL OVERLOAD RELAY
  - PB PUSHBUTTON
  - R,AR,B,RC RESISTORS
  - S START CONTACTOR
  - SS SELECTOR SWITCH
  - T TRANSITION CONTACTOR
  - TB TERMINAL BOARD
  - TC TIME CLOSING CONTACTS (TR)
  - TR TIME DELAY RELAY

FOR CSA GROUND KIT, ORDER KIT NUMBER FROM THE FOLLOWING TABLE:

CONDUIT SIZE	KIT NUMBER
1/2-IN CONDUIT	55-213403G001
3/4-IN CONDUIT	55-213403G002
1-IN CONDUIT	55-213403G003
1 1/4-IN CONDUIT	55-213403G004
1 1/2-IN CONDUIT	55-213403G005
2-IN CONDUIT	55-213403G006
2 1/2-IN CONDUIT	55-213403G007
3-IN CONDUIT	55-213403G008
3 1/2-IN CONDUIT	55-213403G009

NEMA SIZE	STARTER LINE & LOAD
5	300 LB-IN

USE 75°C COPPER CONDUCTORS ONLY, FOR FIELD WIRING. TORQUE LINE AND LOAD TERMINALS AS MARKED OR AS SHOWN AT RIGHT:



**WIRING DIAGRAM**  
**STAR-DELTA (CR32 G) CT**

AN #	THIRD ANGLE PROJECTION	SHEET #	DWG NO.	DATE	REV
09-9120		1 OF 1	55-682578	10/13/2009	1