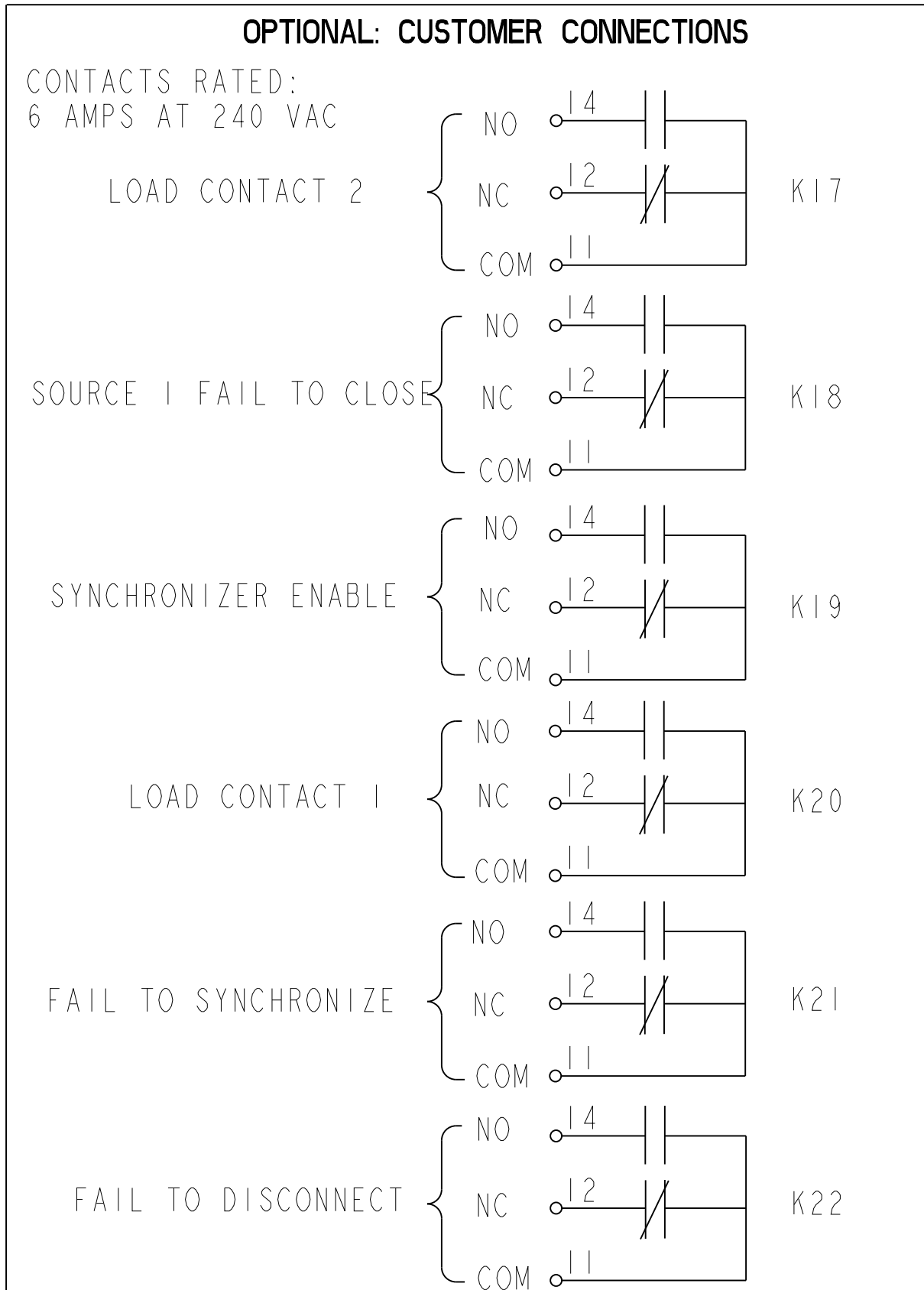
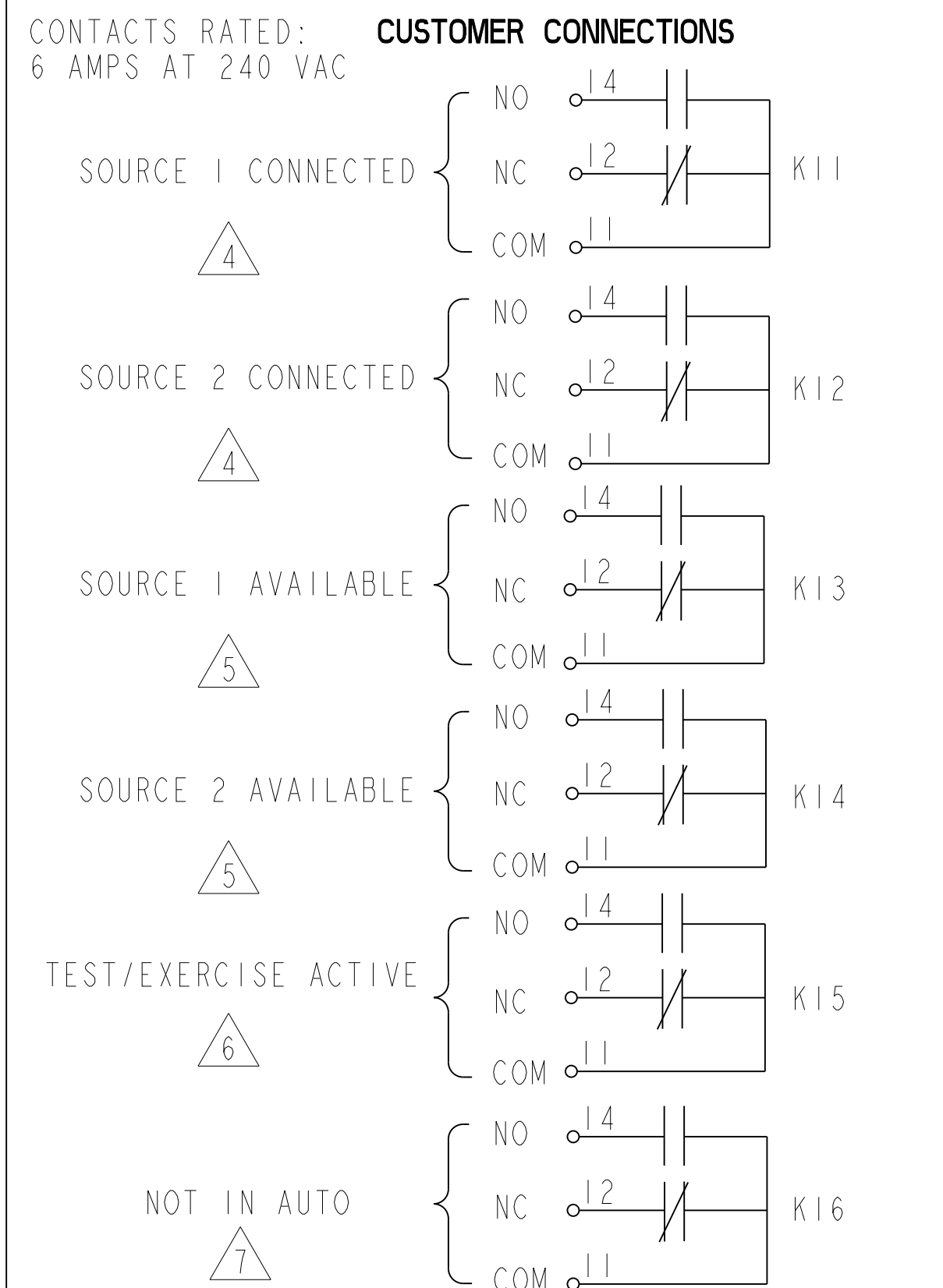
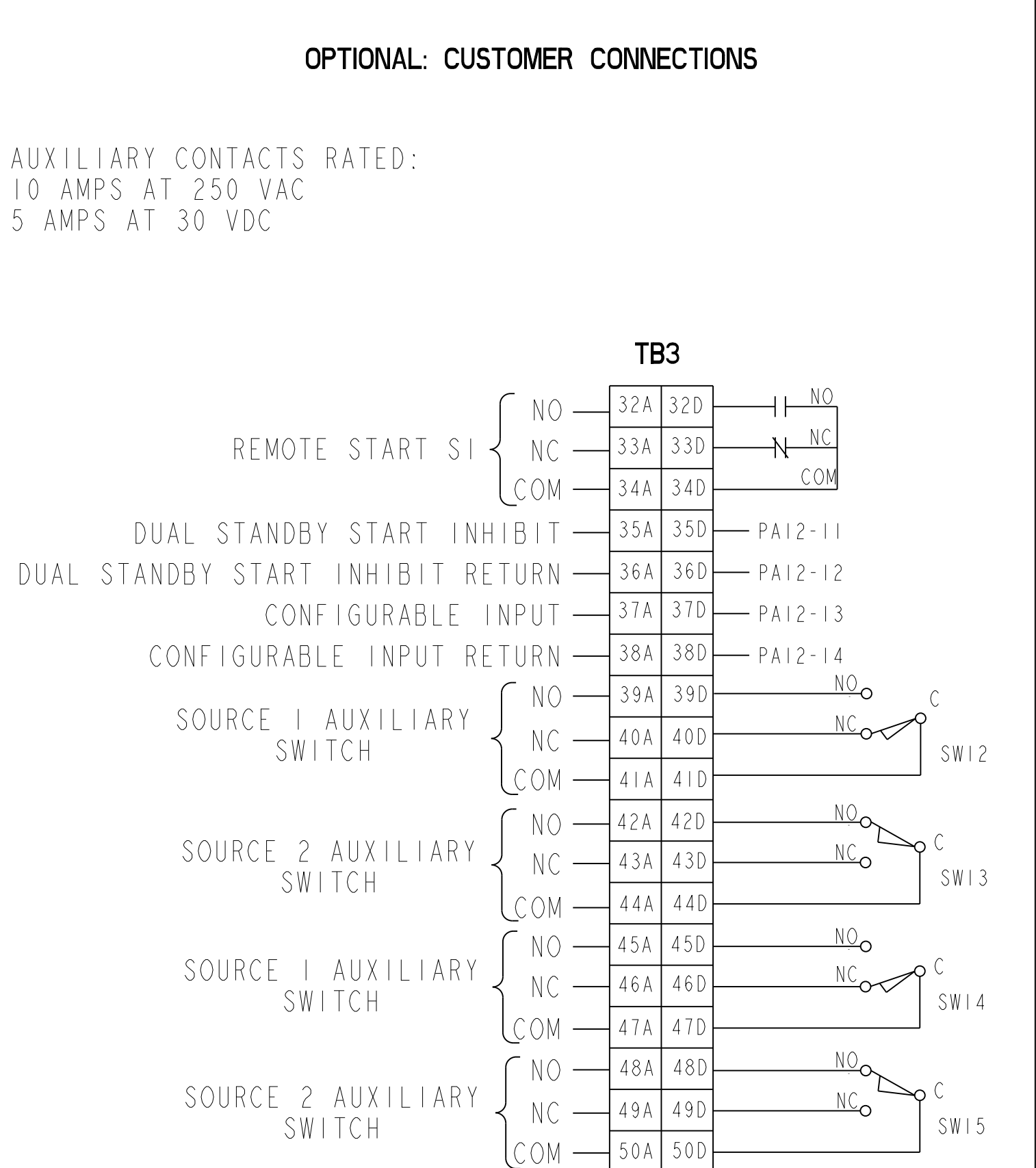
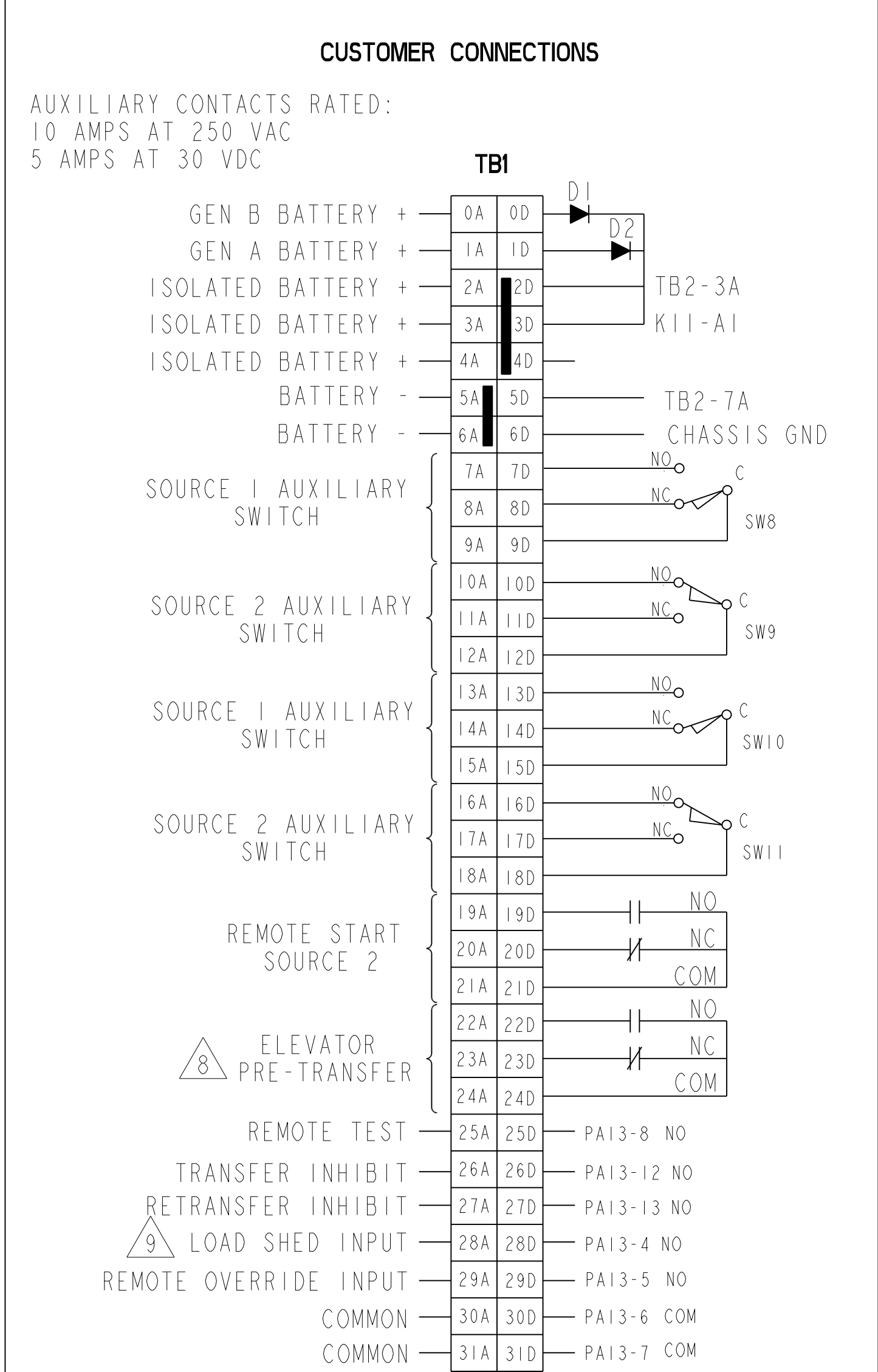
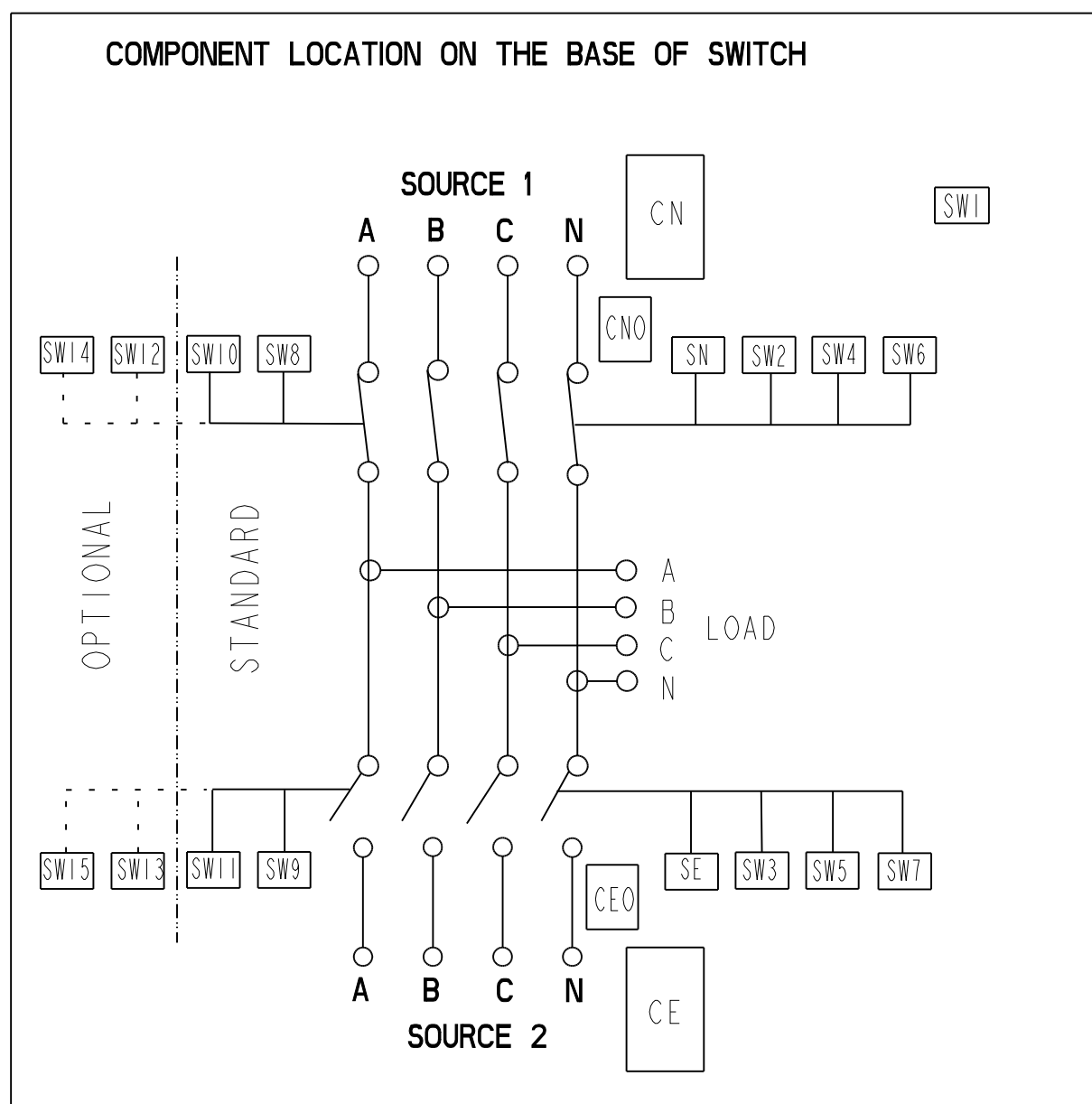
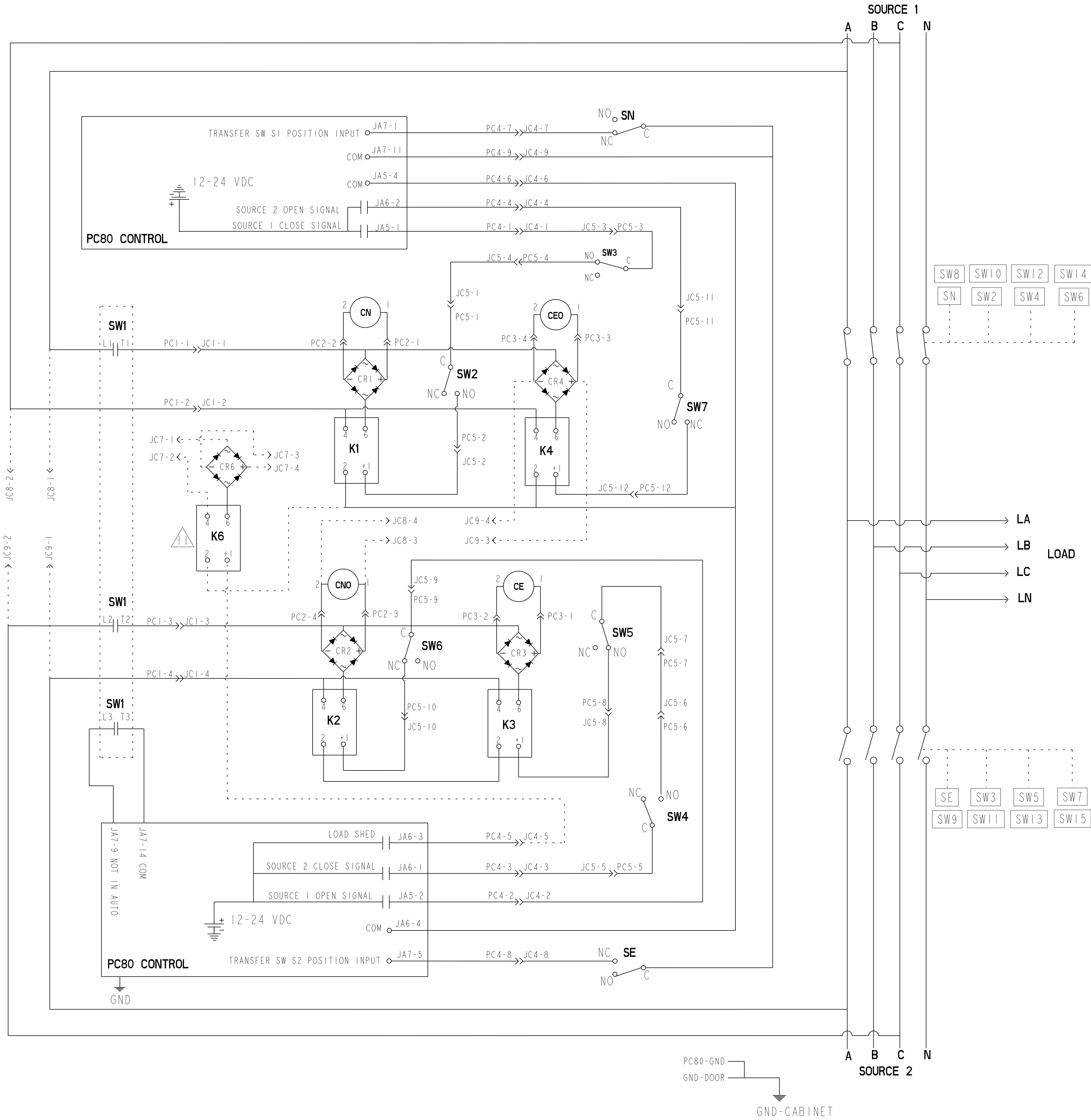




- NOTES:
- THE WIRING SCHEMATICS SHOWN IS APPLICABLE FOR OPEN TRANSITION AND PROGRAM TRANSITION HERCULES ATS.
 - ALL DEVICES ARE SHOWN DE-ENERGIZED AND WITH THE TRANSFER SWITCH CLOSED TO SOURCE 1.
 - FOUR-POLE TRANSFER SWITCH SHOWN ON 3-POLE MODELS THE SWITCH NEUTRAL IS REPLACED WITH SOLID NEUTRAL BAR.
 - SHOWN WITH SOURCE NOT CONNECTED.
 - SHOWN WITH SOURCE NOT AVAILABLE.
 - SHOWN NOT ACTIVE. CONTACTS CHANGE STATE DURING TEST OR EXERCISE PERIOD.
 - SHOWN WITH CONTROL IN AUTO MODE. CONTACTS CHANGE STATE WHEN CONTROL IS NOT IN AUTO.
 - SHOWN NOT ACTIVE. CONTACTS CHANGE STATE FOR AN ADJUSTABLE TIME BEFORE LOAD TRANSFER OCCURS.
 - LOAD SHED OPTIONAL.
 - SEE SHEET 2.
 - SEE SHEET 2.
 - SEE SHEET 3.
 - SEE SHEET 3.
 - SEE SHEET 3.
 - CUSTOMER CONNECTION TERMINAL BLOCK (STANDARD) SEE SHEET 4 FOR DETAILS.
 - CUSTOMER CONNECTION TERMINAL BLOCK (OPTIONAL) SEE SHEET 4 FOR DETAILS.
 - SEE SHEET 4.



UTILITY TO GENERATOR, UTILITY TO UTILITY,
GENERATOR TO GENERATOR
PC80 CONTROL,
600-800 AMP, 208-600 VAC
1 PHASE AND 3 PHASE, 3 AND 4 POLE
3 POSITION, OPEN & PROGRAMMED TRANSITION



- K1

K2

CR1

CR2

SN,SW2,
SW4,SW6

CN

CNO

SW1

CE

CEO

K3

K4

CR3

CR4

SE, SW3,
SW5,SW7

K6

CR6

CT1,2,3,4
- SOURCE 1 CLOSING SOLID STATE RELAY

SOURCE 1 OPENING SOLID STATE RELAY

SOURCE 1 CLOSING BRIDGE RECTIFIER

SOURCE 1 OPENING BRIDGE RECTIFIER

SOURCE 1 AUXILIARY CONTACT

SOURCE 1 AUXILIARY CONTACT

SOURCE 1 CLOSING SOLENOID

SOURCE 1 OPENING SOLENOID

MOTOR DISCONNECT SWITCH

SOURCE 2 CLOSING SOLENOID

SOURCE 2 OPENING SOLENOID

SOURCE 2 CLOSING SOLID STATE RELAY

SOURCE 2 OPENING SOLID STATE RELAY

SOURCE 2 CLOSING BRIDGE RECTIFIER

SOURCE 2 OPENING BRIDGE RECTIFIER

SOURCE 2 AUXILIARY CONTACT

SOURCE 2 AUXILIARY CONTACT

LOAD SHED RELAY (OPTIONAL)

LOAD SHED BRIDGE RECTIFIER (OPTIONAL)

CURRENT TRANSFORMERS (OPTIONAL)

NOTES:

10. ALL DEVICES ARE SHOWN DE-ENERGIZED AND WITH THE TRANSFER SWITCH CLOSED TO NORMAL. FOUR POLE TRANSFER SWITCH SHOWN, ON THREE POLE MODELS THE SWITCHED NEUTRAL IS REPLACED WITH A SOLID NEUTRAL BAR OR NO NEUTRAL PER PRODUCT REQUIREMENT.

LOAD SHED CONNECTIONS ONLY (OPTIONAL).

Cummins Inc.			
DIMENSIONS ARE IN: MILLIMETERS [] ARE IN: -	SIZE: A1	SCALE:1	
DIMENSIONING AND TOLERANCING PER: ASME Y14.5-2009		THIRD ANGLE PROJECTION	CAD SYSTEM PTC® Creo® Parametric

