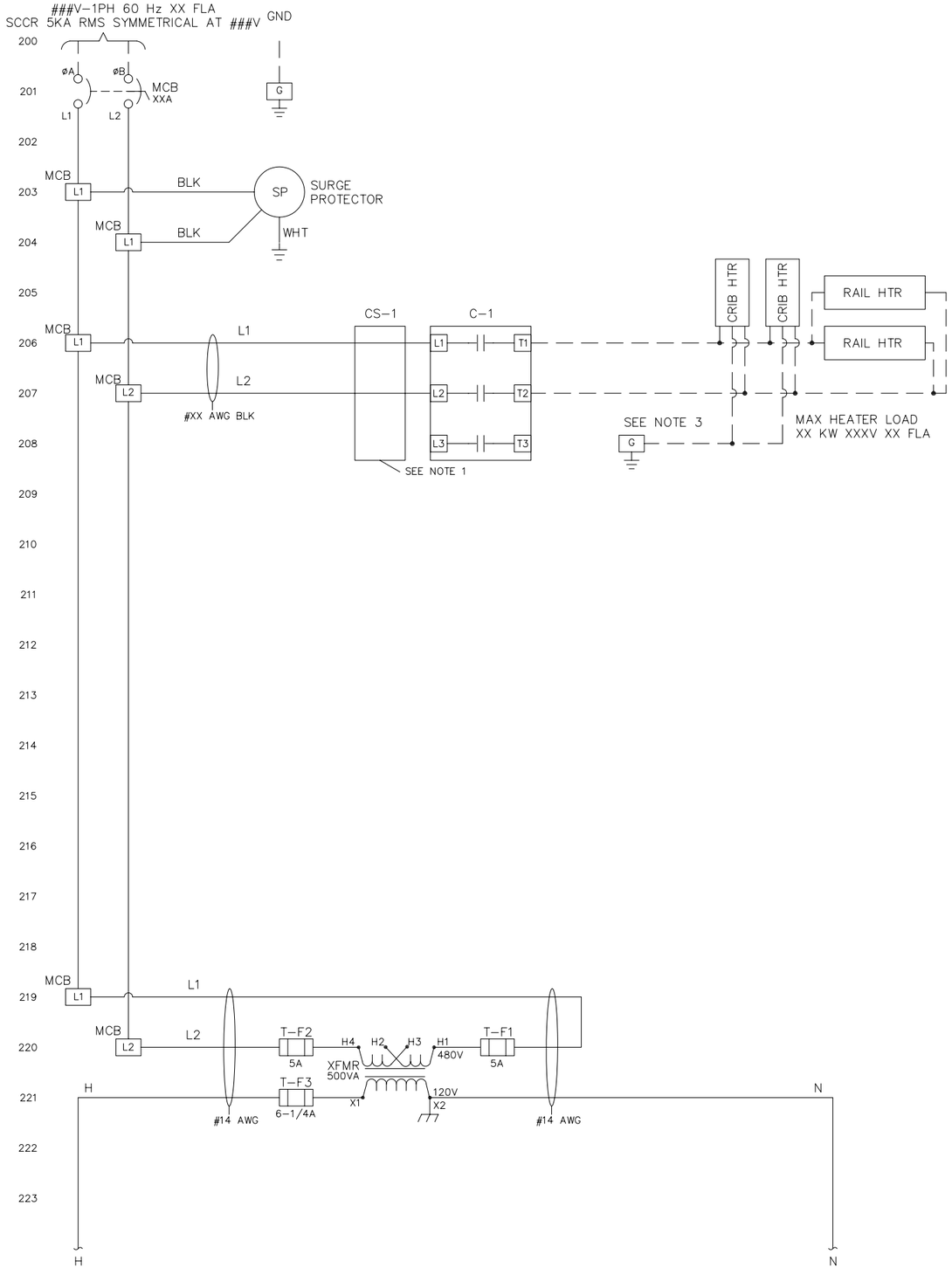

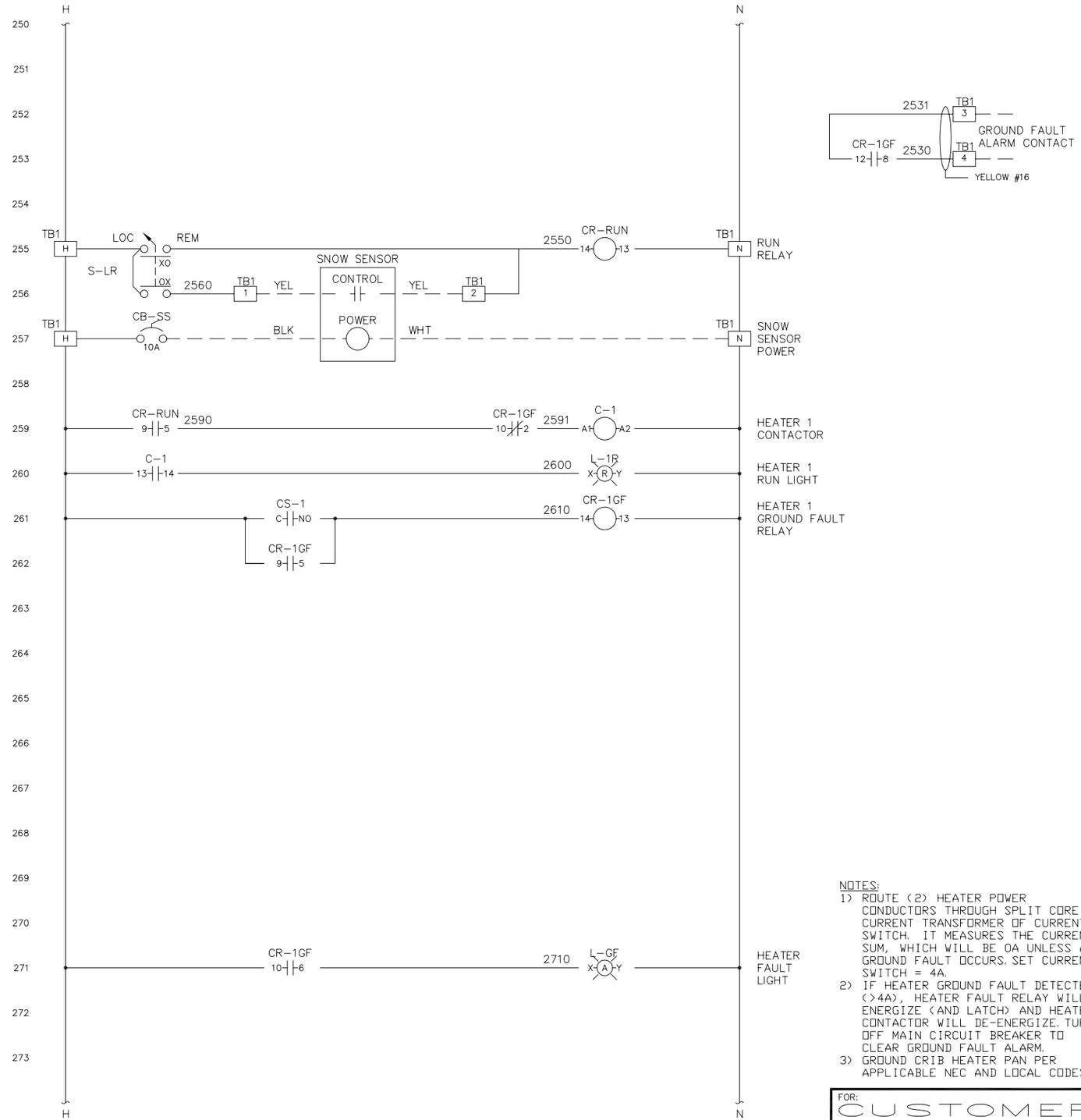

NOTES:
1) ROUTE (2) HEATER POWER CONDUCTORS THROUGH SPLIT CORE CURRENT TRANSFORMER OF CURRENT SWITCH. IT MEASURES THE CURRENT SUM, WHICH WILL BE 0A UNLESS A GROUND FAULT OCCURS. SET CURRENT SWITCH = 4A.
2) IF HEATER GROUND FAULT DETECTED (>4A), HEATER FAULT RELAY WILL ENERGIZE (AND LATCH) AND HEATER CONTACTOR WILL DE-ENERGIZE. TURN OFF MAIN CIRCUIT BREAKER TO CLEAR GROUND FAULT ALARM.
3) GROUND CRIB HEATER PAN PER APPLICABLE NEC AND LOCAL CODES.

FOR: CUSTOMER

REV	DATE	ISSUE PURPOSE	BY	CK

REV	DATE	ISSUE PURPOSE	BY	CK

☐ DRAWING O.K. FOR PRODUCTION
BY: _____
DATE: _____

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DESIGNED	BL	DATE 03/08
DRAWN	BL	DATE 03/08
CHECKED		DATE MM/YY
SCALE NO SCALE		

THERMAL-Flex Systems, Inc.

SCHEMATIC
SINGLE CIRCUIT
RAIL HEATER CONTROL PANEL

DWG: 2XXX-XXX-02