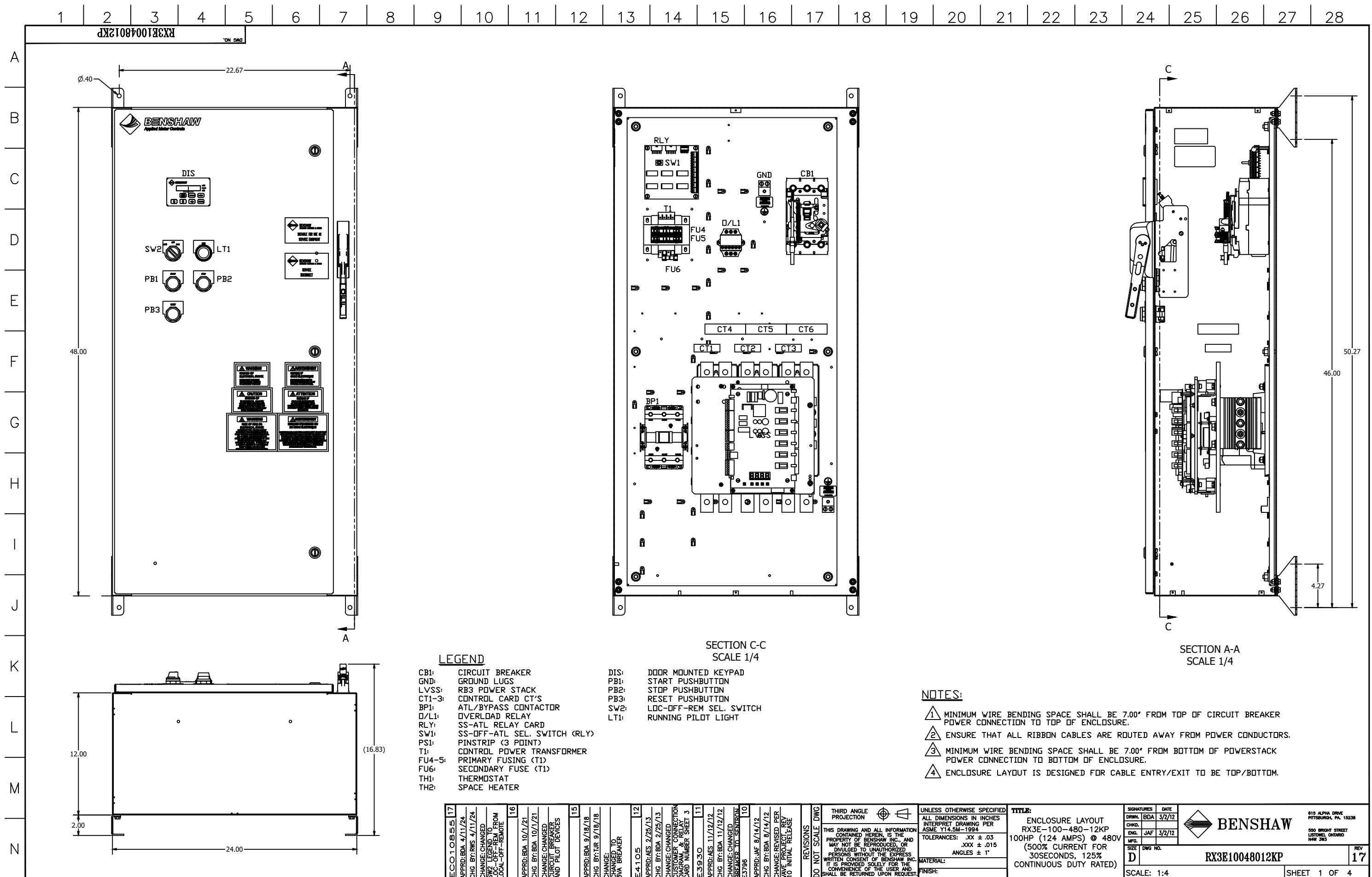
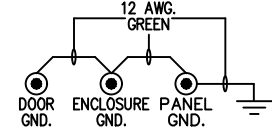




WIRE SIZE RANGE: (1) 1/0-4/0AWG TIGHTENING TORQUE: 283.2LB-IN (32Nm)
WIRE SIZE RANGE: (1) 250-300KCMIL TIGHTENING TORQUE: 389.4LB-IN (44Nm)

LOAD CONNECTIONS
1.25 WIDE BUS TAB WITH 0.52 DIA. HOLE FOR BOLTED CONNECTION.



1. FAULTSAFE FAULT RELAY SHOWN IN DE-ENERGIZED STATE. RELAY WILL ENERGIZE WHEN CONTROL POWER IS APPLIED TO CONTROL CARD, AND WILL REMAIN ENERGIZED WHEN NO FAULTS ARE PRESENT. RELAY WILL DE-ENERGIZE WHEN A FAULT OCCURS, OR IF CONTROL POWER IS REMOVED FROM THE CARD
2. REFER TO INSTRUCTION MANUAL FOR STARTER CONFIGURATION.
3. CUSTOMER SHOULD MONITOR GENERAL FAULT CONTACTS OF RELAY (R3) FOR FAULT DETECTION, AND REMOVE 2 WIRE RUN COMMAND WHEN A FAULT IS DETECTED.
4. TIGHTEN CARD WIRING CONNECTIONS TO TO 2.7-3.5 in. lbs. (0.3-0.4 N-m).
5. TIGHTEN POWER LUG FIELD WIRING CONNECTIONS TO CHART 1. SPECIFICATIONS. IF BREAKER IS SUPPLIED ON LINE SIDE OF STACK USE TORQUE VALUES ON BREAKER.
6. REMOVE JUMPER WHEN INTERLOCKS ARE INSTALLED.
7. SELECT EITHER TWO OR THREE WIRE CONTROL.
8. STARTER SHIPPED SETUP FOR CUSTOMER SUPPLIED REMOTE 2 WIRE CONTROL. IF NO CONTROL IS TO BE USED THEN JUMPERS SHOULD REMAIN AS SHOWN.
9. IF CUSTOMER SUPPLIED REMOTE 3 WIRE CONTROL IS NEEDED MAKE CUSTOMER CONNECTIONS AS SHOWN.
10. CHANGE P49 (DI2) TO "FR" (FAULT RESET)
11. SW1-1: (ANALOG INPUT) UP = CURRENT, DOWN = VOLTAGE
SW1-2: (ANALOG OUTPUT) UP = VOLTAGE, DOWN = CURRENT
12. PROGRAM (P78), FUN (03), CT RATIO = 864:1

	WIRE NODE SYMBOL MAY HAVE TERMINAL BLOCK
	BENSHAW SUPPLIED TERMINAL BLOCK
	TERMINAL STRIP
	POWER CONNECTION
	PC BOARD TERMINALS
	TWISTED PAIR
	TWISTED SHIELDED PAIR
	SHIELDED WIRE
	FIELD WIRING

BOLT SIZE	BOLTS - GRADE 5	
	(IN. LB)	(FT. LB)
SAE 1/4	96-120	8-10
5/16	180-228	15-19
3/8	300-396	25-33
7/16	480-648	40-54
1/2	720-936	60-78

TITLE:
POWER SCHEMATIC
RX3E-100-480-12KP
100HP (124 AMPS) @ 480V
(500% CURRENT FOR
30SECONDS, 125%
CONTINUOUS DUTY RATED)



BENSHAW

615 ALPHA DRIVE
PITTSBURGH, PA. 15238

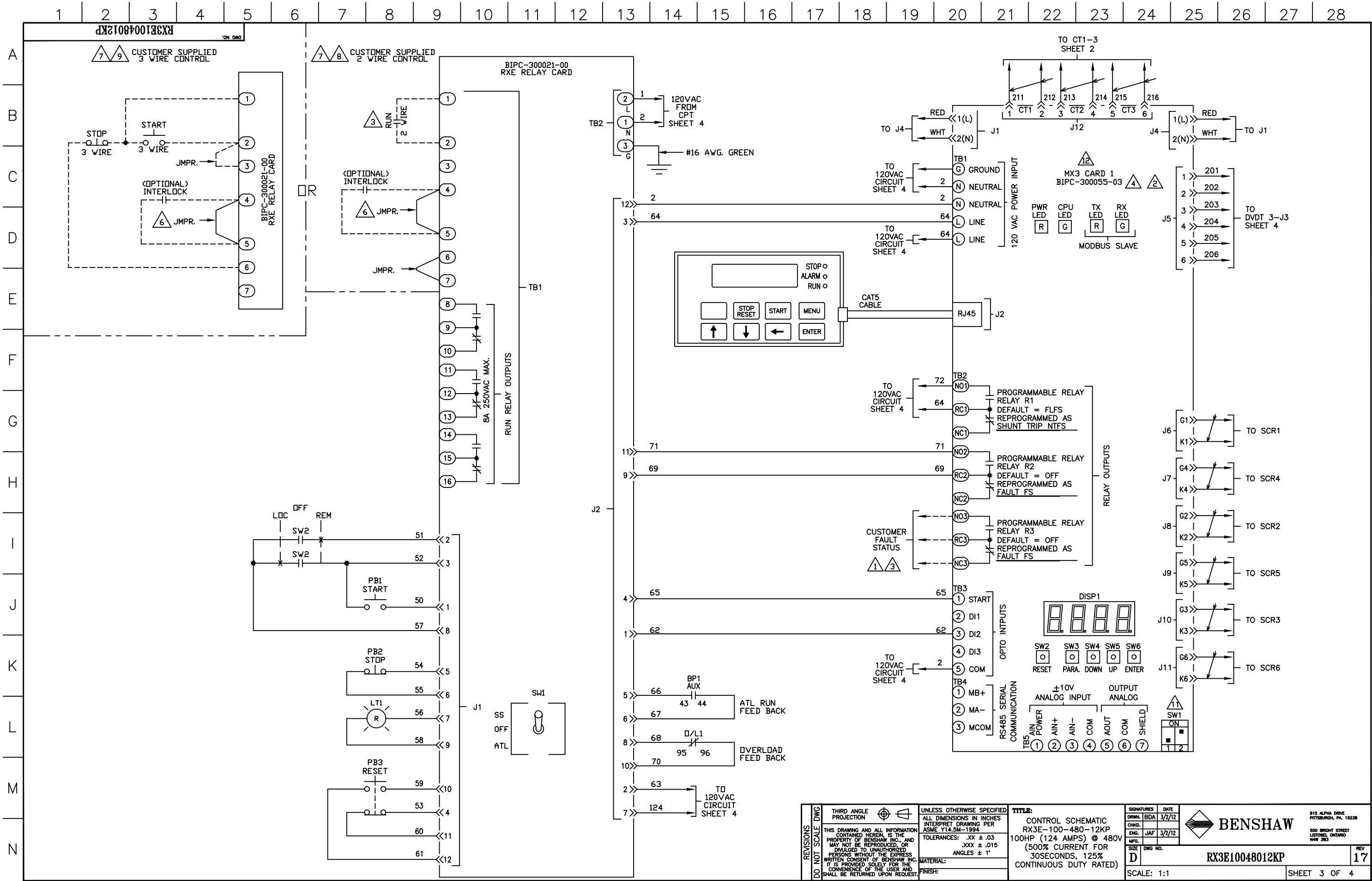
550 BRIGHT STREET
LISTOWEL ONTARIO
M4W 3W3

RX3E10048012KP

REV
7

SCALE: 1:1

SHEET 2 OF 4



REVISIONS DO NOT SCALE DWG	THIRD ANGLE PROJECTION		UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS IN INCHES INTERPRET DRAWING PER ASME Y14.5M-1994 TOLERANCES: .XX ± .03 .XXX ± .015 ANGLES ± 1° MATERIAL: FINISH:	TITLE: CONTROL SCHEMATIC RX3E-100-480-12KP 100HP (124 AMPS) @ 480V (500% CURRENT FOR 30SECONDS, 125% CONTINUOUS DUTY RATED)	SIGNATURES DRWN: BDA CHKD: ENG: JAF MFG: NO. D	DATE 3/2/12 3/2/12 3/2/12 DWG NO.	 BENSHAW 615 ALPHA DRIVE PITTSBURGH, PA. 15238 550 BRIGHT STREET LISTOWEL, ONTARIO N4W 5W5	REV 17
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