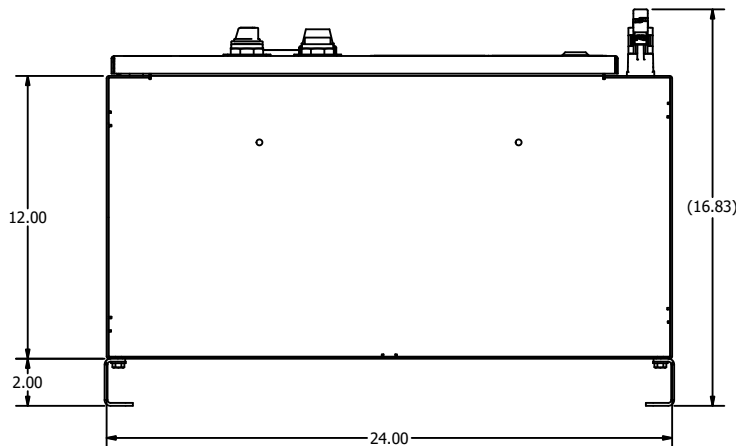
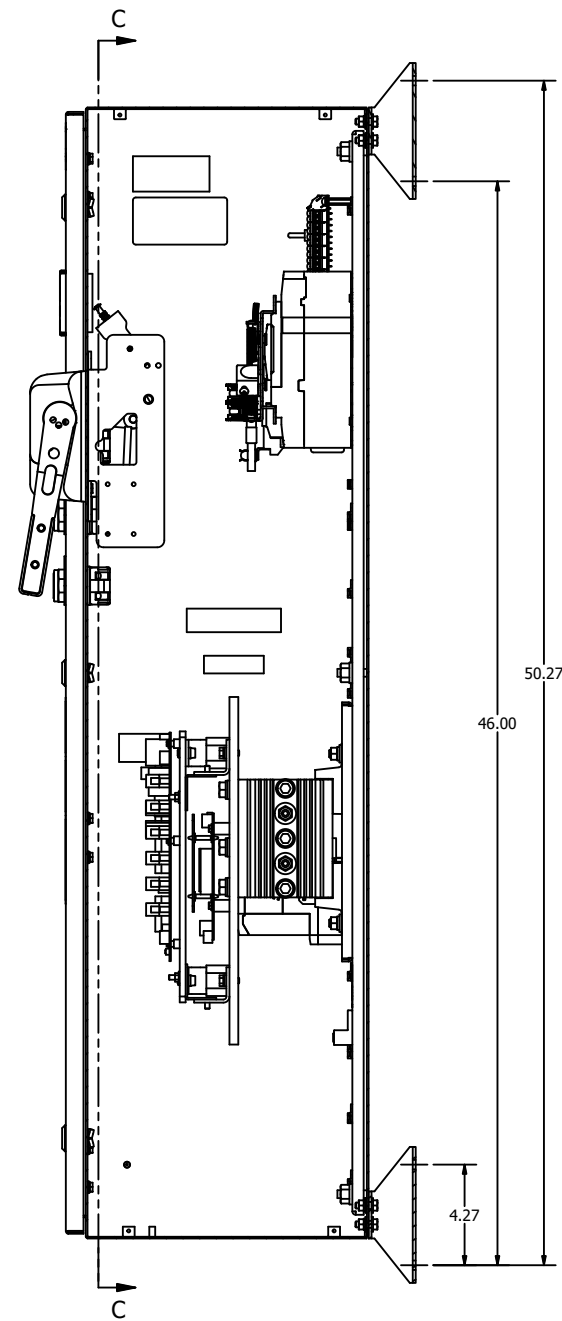
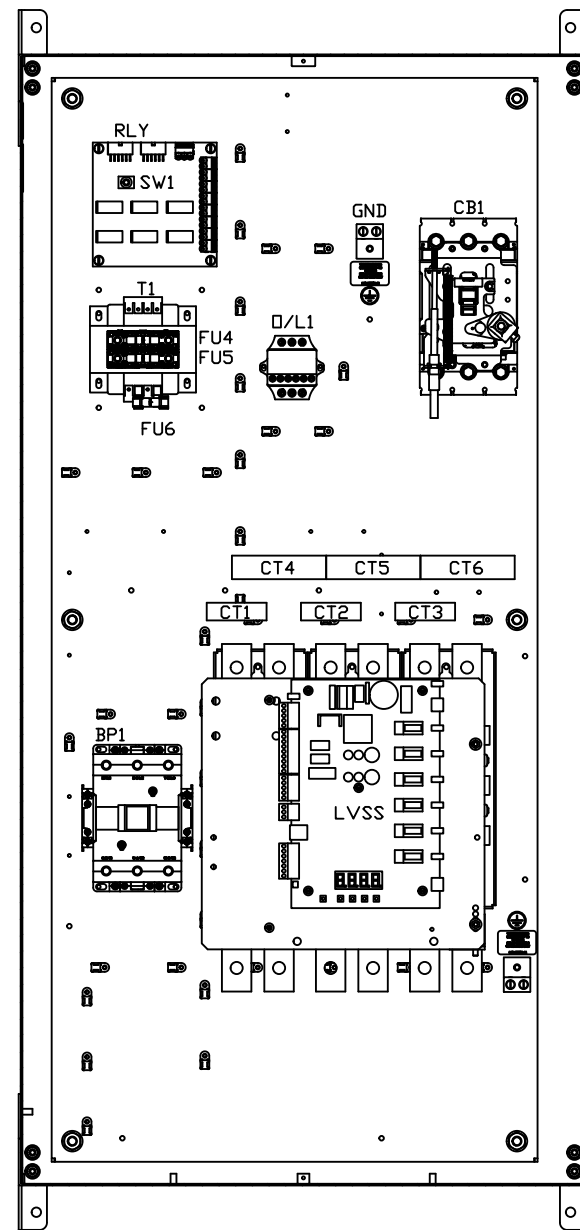
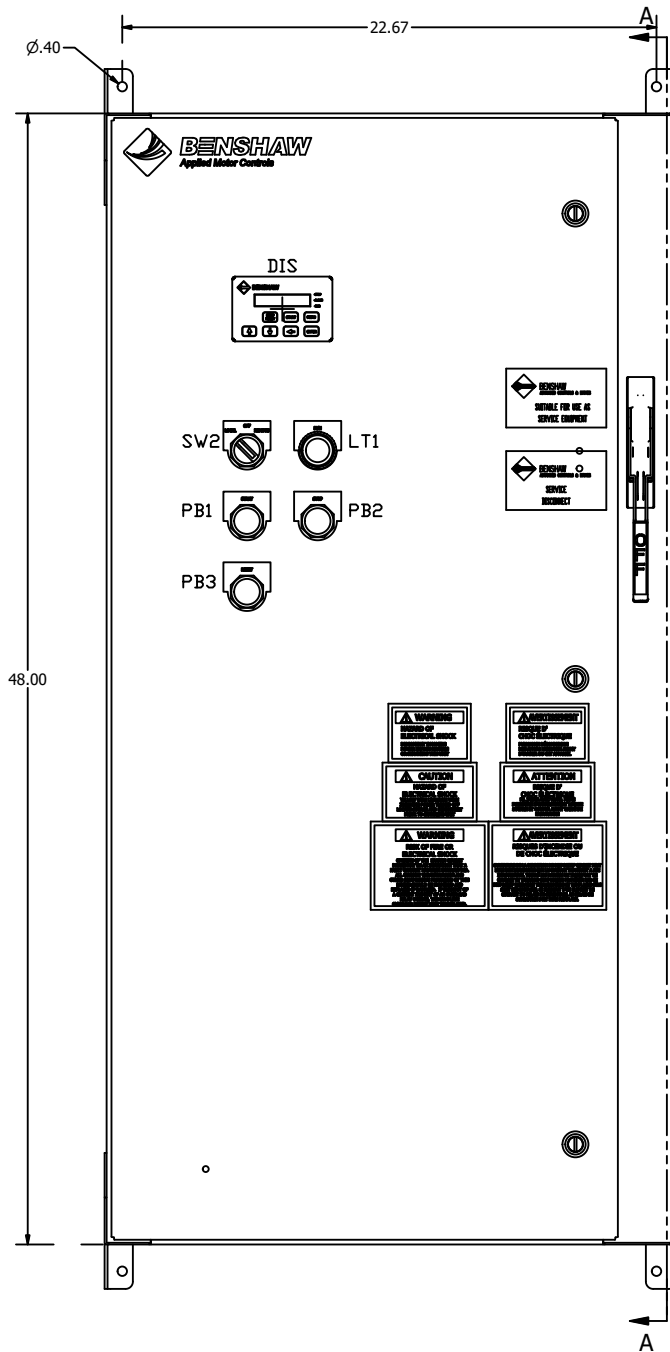


RX2E10048012KP ON DWG



SECTION C-C  
SCALE 1/4

SECTION A-A  
SCALE 1/4

LEGEND

- |        |                           |      |                              |
|--------|---------------------------|------|------------------------------|
| CB1:   | CIRCUIT BREAKER           | DIS: | DOOR MOUNTED KEYPAD          |
| GND:   | GROUND LUGS               | PB1: | START PUSHBUTTON             |
| LVSS:  | RB2 POWER STACK           | PB2: | STOP PUSHBUTTON              |
| CT1-3: | CONTROL CARD CT'S         | PB3: | RESET PUSHBUTTON             |
| BP1:   | ATL/BYPASS CONTACTOR      | SW2: | LOCAL-OFF-REMOTE SEL. SWITCH |
| D/L1:  | OVERLOAD RELAY            | LT1: | RUNNING PILOT LIGHT          |
| RLY:   | SS-ATL RELAY CARD         |      |                              |
| SW1:   | SS-OFF-ATL SWITCH (RLY)   |      |                              |
| PS1:   | PINSTRIP (3 POINT)        |      |                              |
| T1:    | CONTROL POWER TRANSFORMER |      |                              |
| FU4-5: | PRIMARY FUSING (T1)       |      |                              |
| FU6:   | SECONDARY FUSE (T1)       |      |                              |

NOTES:

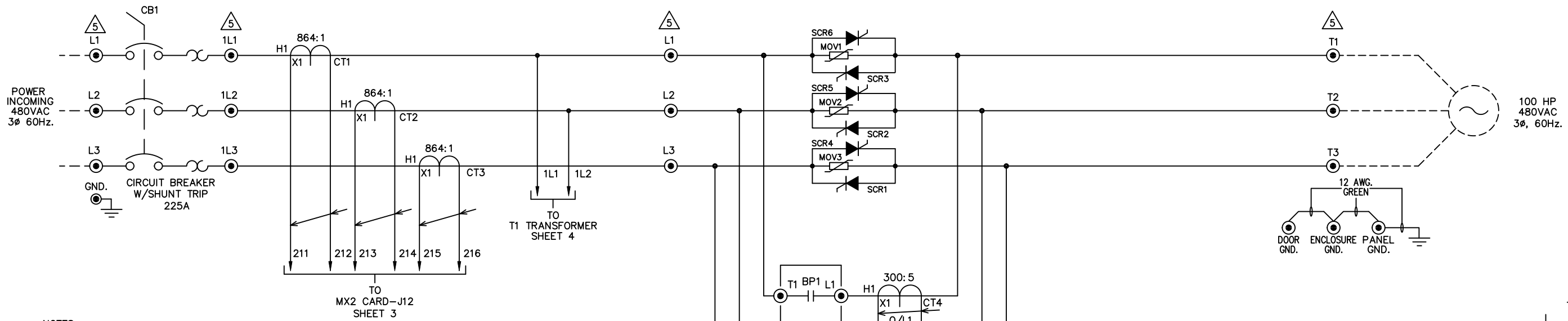
- 1 MINIMUM WIRE BENDING SPACE SHALL BE 7.00" FROM TOP OF CIRCUIT BREAKER POWER CONNECTION TO TOP OF ENCLOSURE.
- 2 ENSURE THAT ALL RIBBON CABLES ARE ROUTED AWAY FROM POWER CONDUCTORS.
- 3 MINIMUM WIRE BENDING SPACE SHALL BE 7.00" FROM BOTTOM OF POWERSTACK POWER CONNECTION TO BOTTOM OF ENCLOSURE.
- 4 ENCLOSURE LAYOUT IS DESIGNED FOR CABLE ENTRY/EXIT TO BE TOP/BOTTOM.

15	APPRD: BDA 10/1/21	14	APPRD: BDA 9/18/18	12	E-4105	11	APPRD: AES 11/12/12	10	APPRD: JAF 8/14/12	THIRD ANGLE PROJECTION	UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS IN INCHES INTERPRET DRAWING PER ASME Y14.5M-1994 TOLERANCES: .XX ± .03 .XXX ± .015 ANGLES ± 1°	TITLE: ENCLOSURE LAYOUT RX2E-100-480-12KP 100HP (124 AMPS) @ 480V (500% CURRENT FOR 30SECONDS, 125% CONTINUOUS DUTY RATED)	SIGNATURES	DATE	615 ALPHA DRIVE PITTSBURGH, PA. 15238 500 BRIGHT STREET LISTOWEL, ONTARIO M4W 3W3	
	CHG BY: BDA 10/1/21 CHANGE CHANGED CIRCUIT BREAKER AND PILOT DEVICES		CHG BY: JUR 9/18/18 CHANGE: CHANGED TO 3VA BREAKER		CHG BY: BDA 2/25/13 CHANGE: CHANGED CIRCUIT CONNECTION DIAGRAM & RELAY CARD NUMBER SHEET 3		CHG BY: BDA 11/12/12 CHANGE: CHANGED BREAKER TO SENSIRON E3796		CHG BY: BDA 8/14/12 CHANGE: REVISED PER WAVE PROJECT REV 10 INITIAL RELEASE				THIS DRAWING AND ALL INFORMATION CONTAINED HEREIN IS THE PROPERTY OF BENSCHAW INC., AND MAY NOT BE REPRODUCED, OR DIVULGED TO UNAUTHORIZED PERSONS WITHOUT THE EXPRESS WRITTEN CONSENT OF BENSCHAW INC. IT IS PROVIDED SOLELY FOR THE CONVENIENCE OF THE USER AND SHALL BE RETURNED UPON REQUEST.	MATERIAL: FINISH:		DRWN: BDA 3/2/12
					REVISIONS DO NOT SCALE DWG								ENCLOSURE LAYOUT RX2E10048012KP	SCALE: 1:4	REV 15	SHEET 1 OF 4

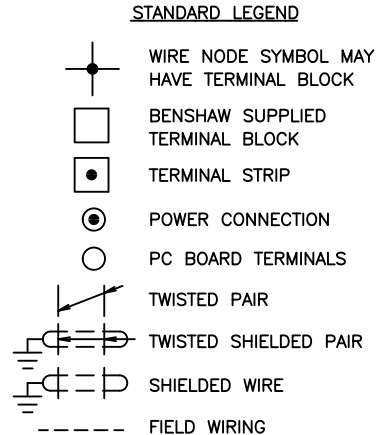
RX2E10048012KP ON DWG

BREAKER LUGS ACCEPT  
 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.



- NOTES**
- 1 FAILSAFE 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 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



**CHART 1**  
 TIGHTENING TORQUE SPECIFICATIONS FOR HEX HEAD SCREWS

BOLT SIZE SAE	BOLTS - GRADE 5	
	(IN. LB)	(FT. LB)
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

REVISIONS DO NOT SCALE DWG	THIRD ANGLE PROJECTION	UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS IN INCHES INTERPRET DRAWING PER ASME Y14.5M-1994	<b>TITLE:</b> POWER SCHEMATIC RX2E-100-480-12KP 100HP (124 AMPS) @ 480V (500% CURRENT FOR 30SECONDS, 125% CONTINUOUS DUTY RATED)	SIGNATURES DRWN: BDA CHKD: ENG: JAF MFG:	DATE 3/2/12 3/2/12	 <b>BENSHAW</b> 615 ALPHA DRIVE PITTSBURGH, PA. 15238 500 BRIGHT STREET LITTONVILLE, ONTARIO M4W 3W3
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	SCALE: 1:1		REV 15			
	SHEET 2 OF 4					

RX2E10048012KP

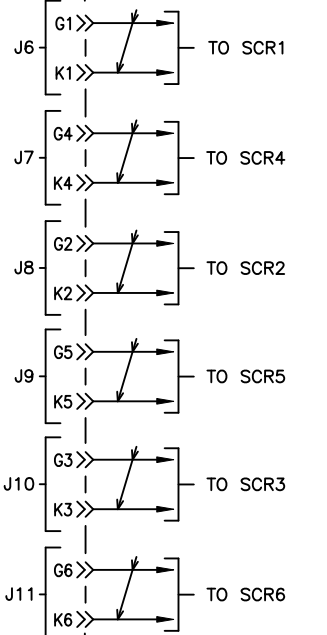
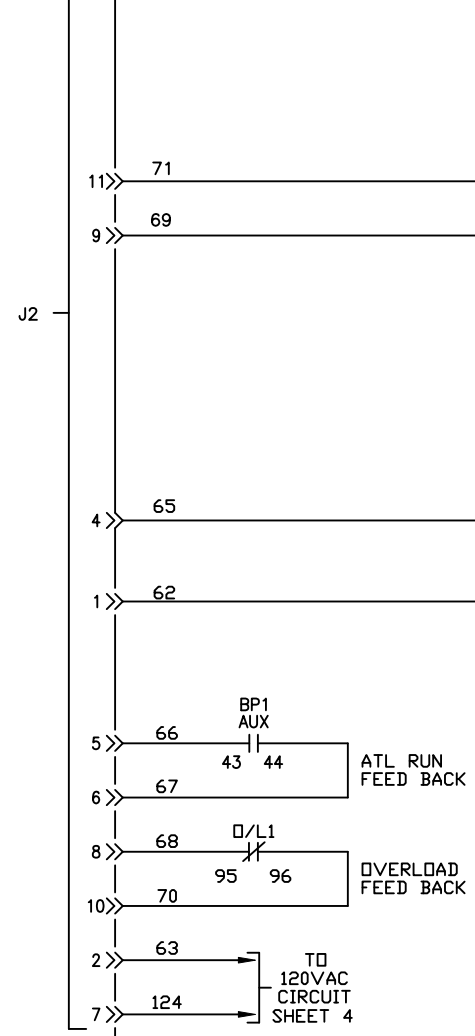
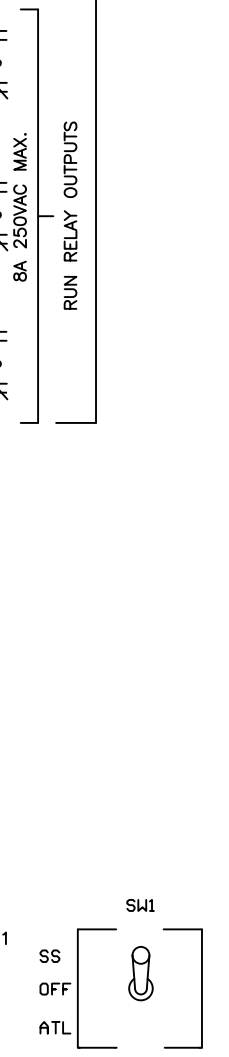
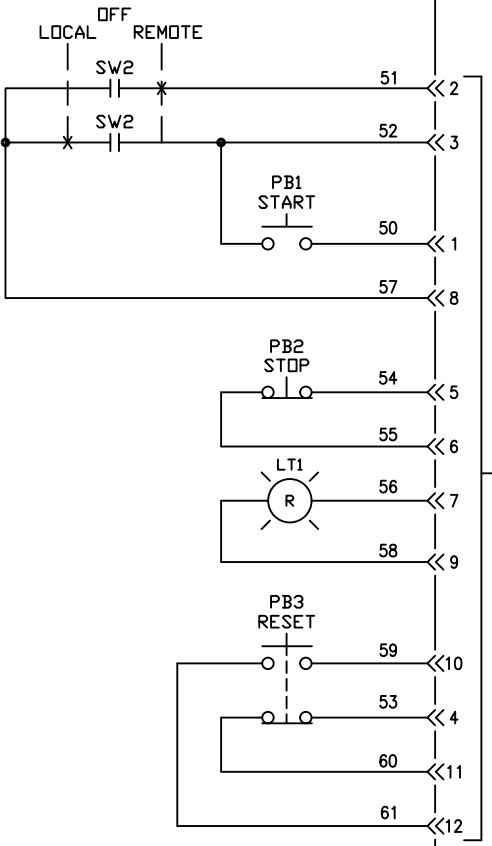
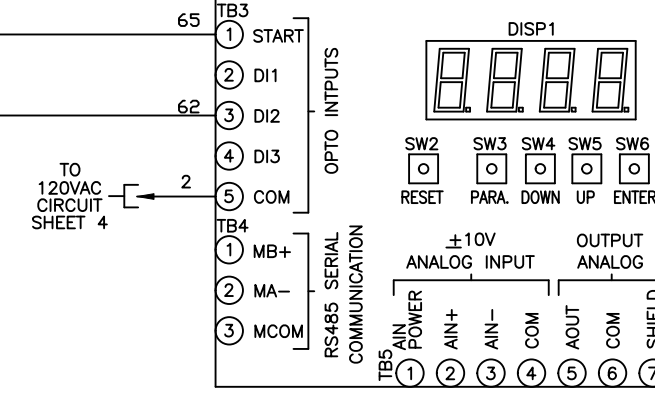
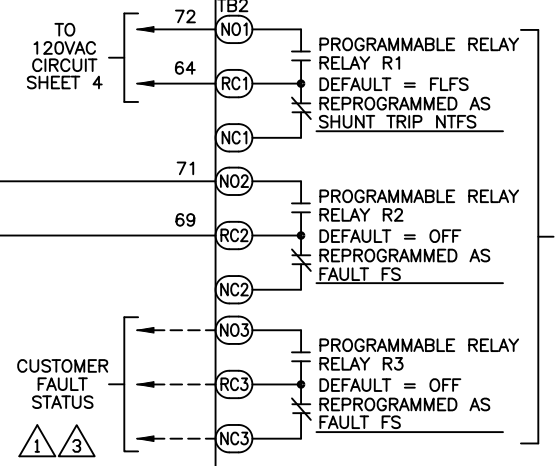
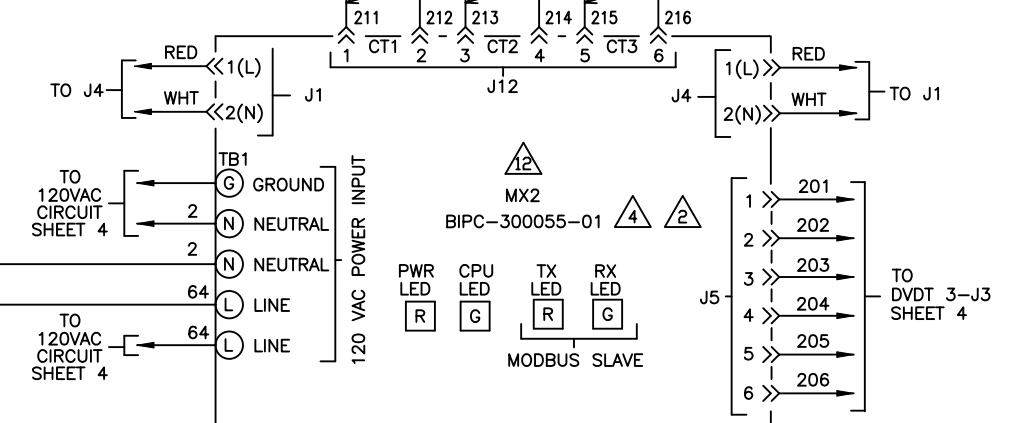
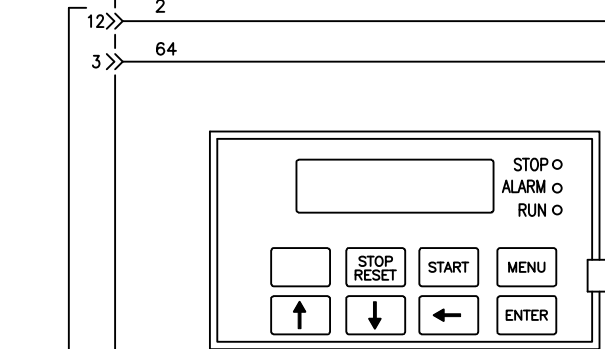
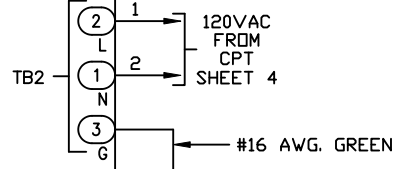
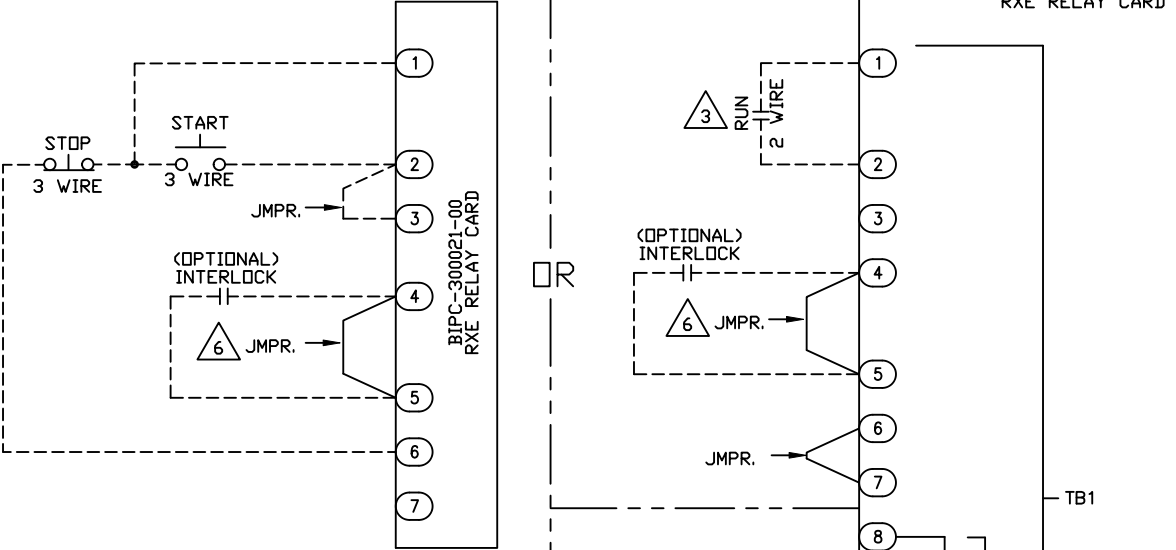
ON DWG

CUSTOMER SUPPLIED 3 WIRE CONTROL

CUSTOMER SUPPLIED 2 WIRE CONTROL

BIPC-300021-00 RXE RELAY CARD

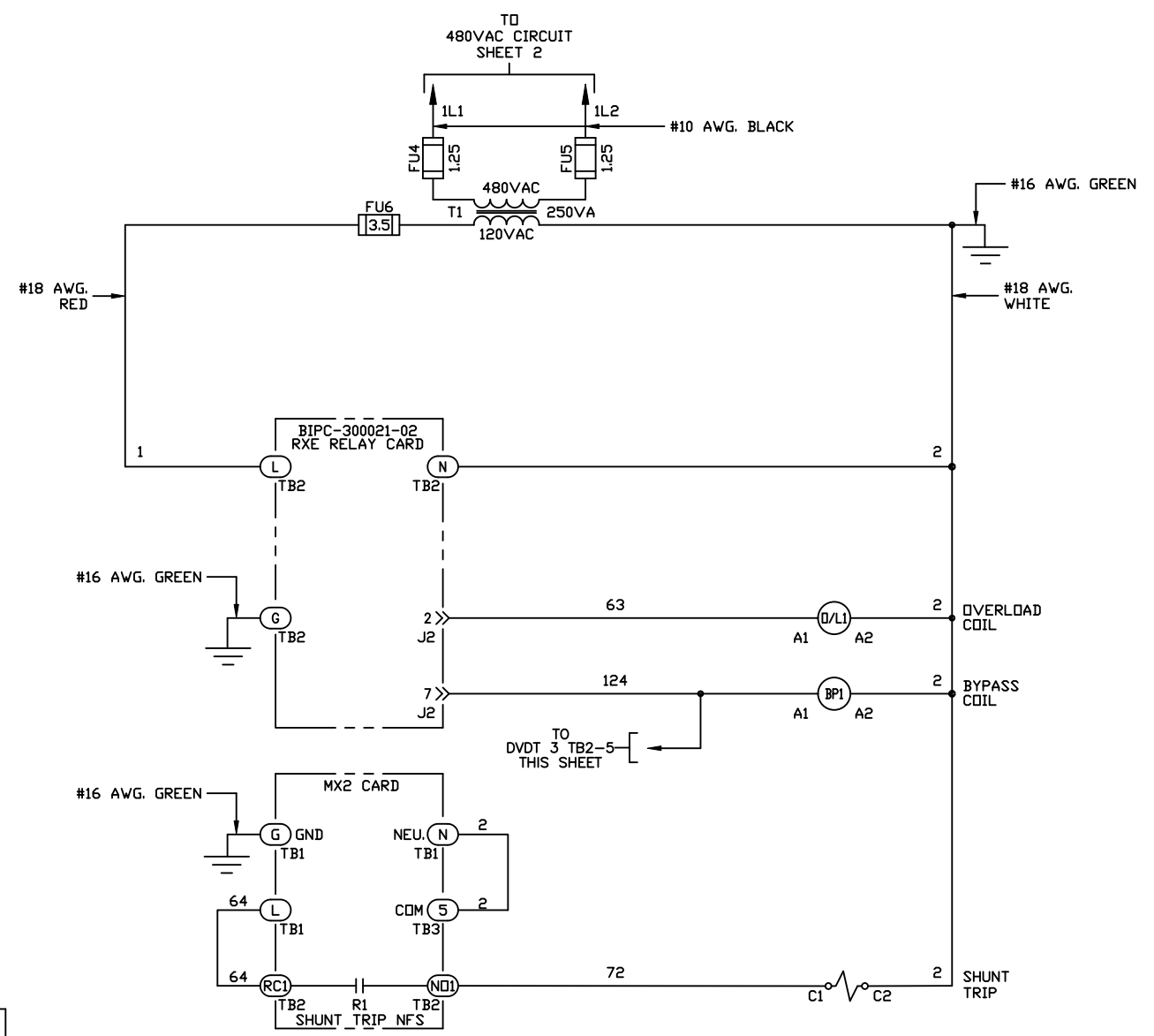
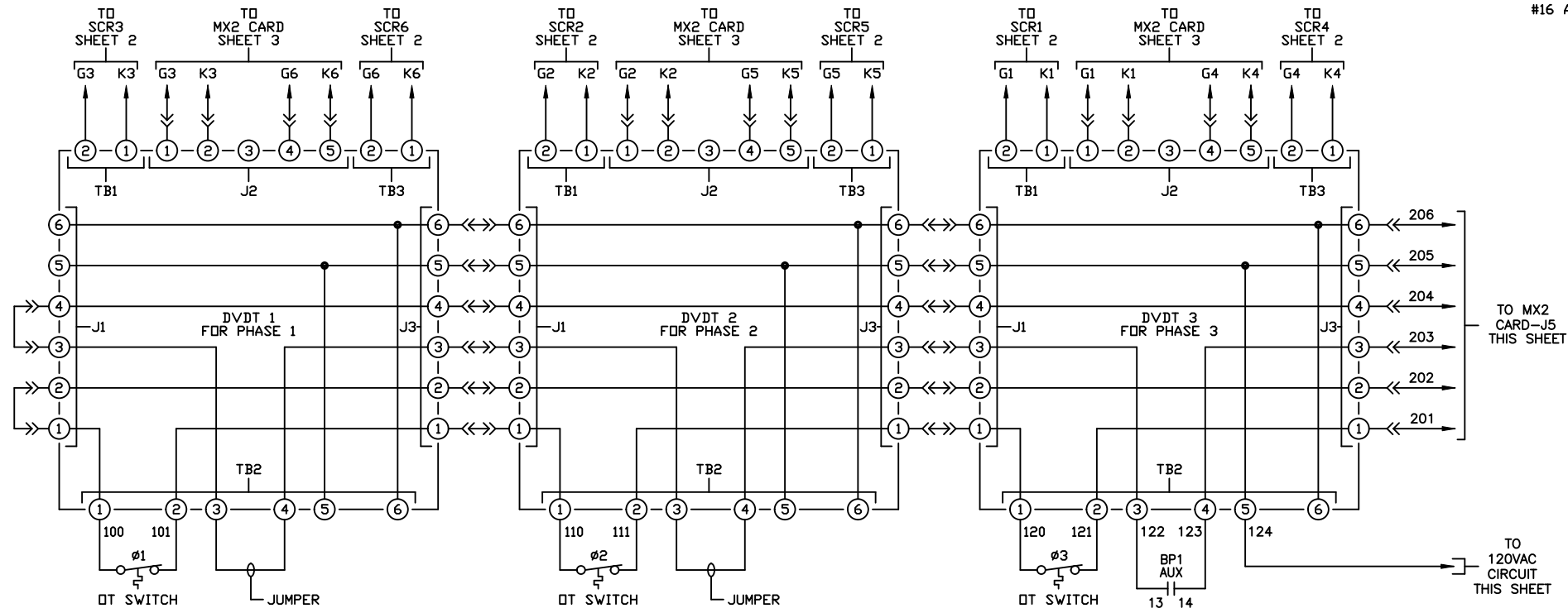
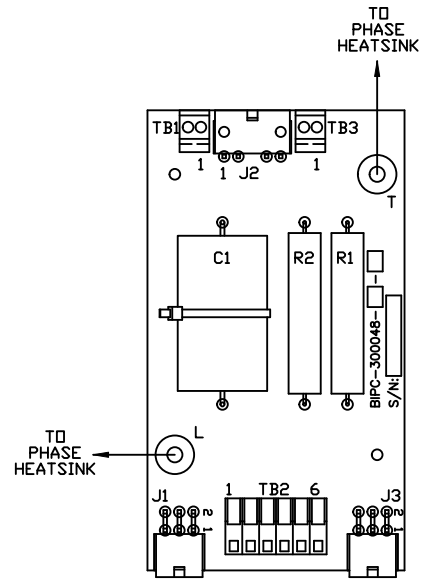
TO CT1-3 SHEET 2



<b>REVISIONS</b> DO NOT SCALE DWG	THIRD ANGLE PROJECTION	UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS IN INCHES INTERPRET DRAWING PER ASME Y14.5M-1994	<b>TITLE:</b> CONTROL SCHEMATIC RX2E-100-480-12KP 100HP (124 AMPS) @ 480V (500% CURRENT FOR 30SECONDS, 125% CONTINUOUS DUTY RATED)	SIGNATURES DATE DRWN. BDA 3/2/12 CHKD. JAF 3/2/12 ENG. JAF 3/2/12 MFG.	615 ALPHA DRIVE PITTSBURGH, PA. 15238 500 BRIGHT STREET LISTOWEL, ONTARIO M4W 3W3	
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	TOLERANCES: .XX ± .03 .XXX ± .015 ANGLES ± 1°			SCALE: 1:1		REV <b>15</b>
	SHEET 3 OF 4			<b>RX2E10048012KP</b>		

RX2E10048012KP

ON DMD



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:	<b>TITLE:</b> CONTROL SCHEMATIC RX2E-100-480-12KP 100HP (124 AMPS) @ 480V (500% CURRENT FOR 30SECONDS, 125% CONTINUOUS DUTY RATED)	SIGNATURES DRWN: BDA CHKD: JAF MFG:	DATE 3/2/12 3/2/12	BENS HAW 615 ALPHA DRIVE PITTSBURGH, PA. 15238 500 BRIGHT STREET LISTOWEL, ONTARIO M4W 3W3	
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	SCALE: 1:1			SHEET 4 OF 4			