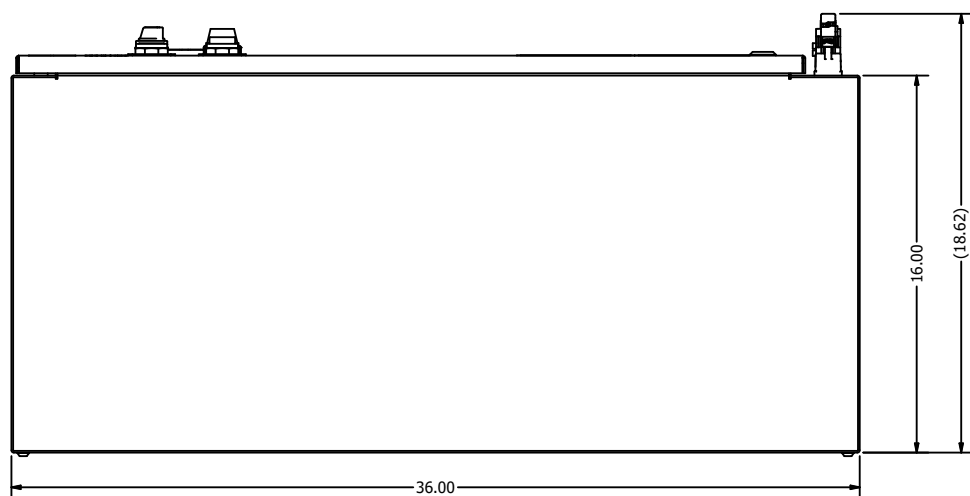
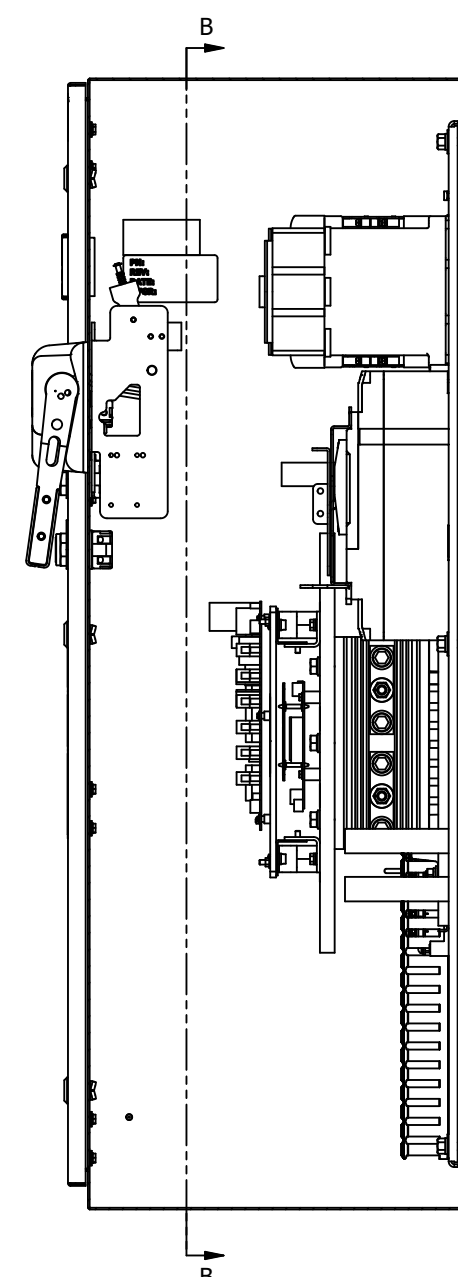
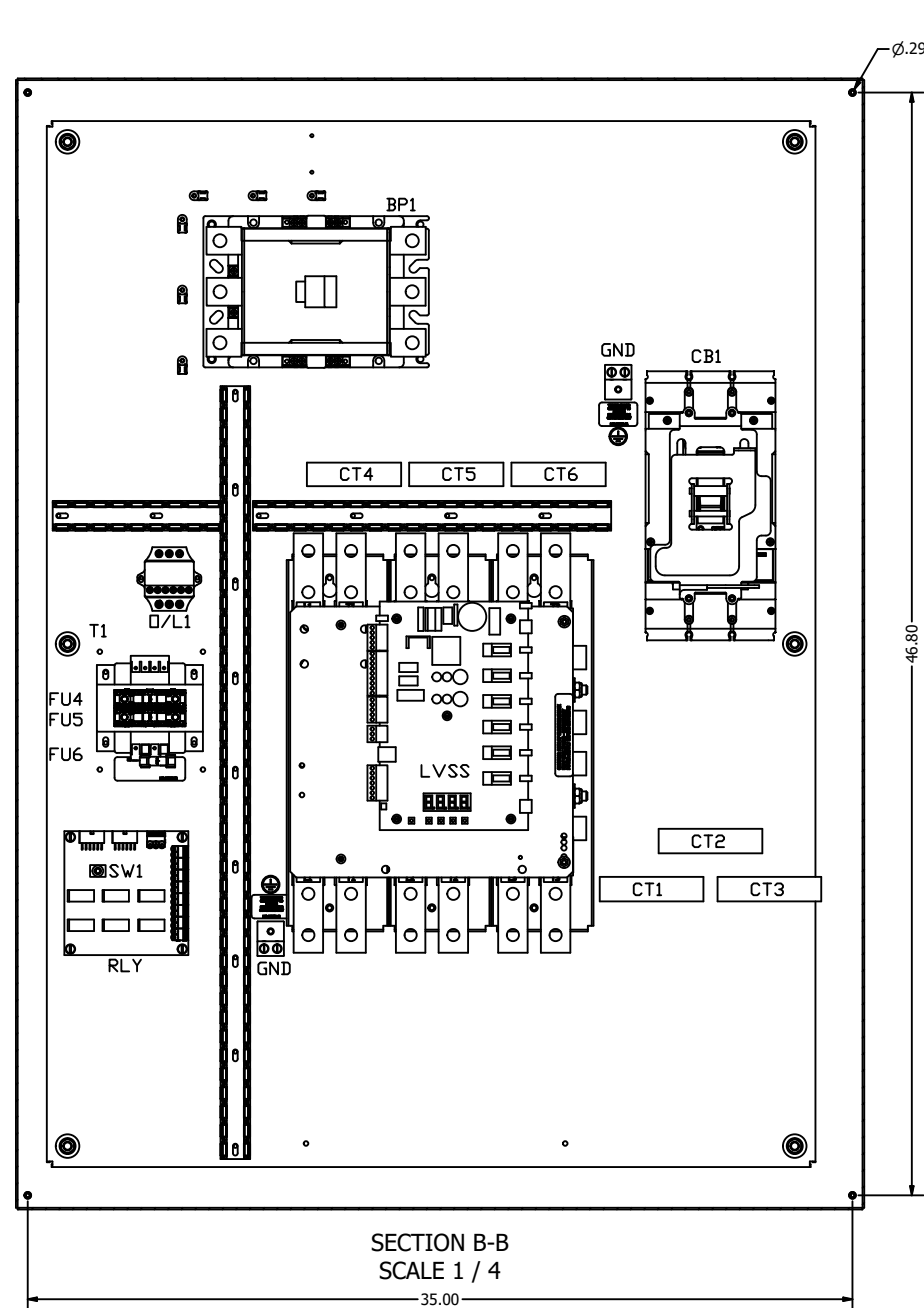
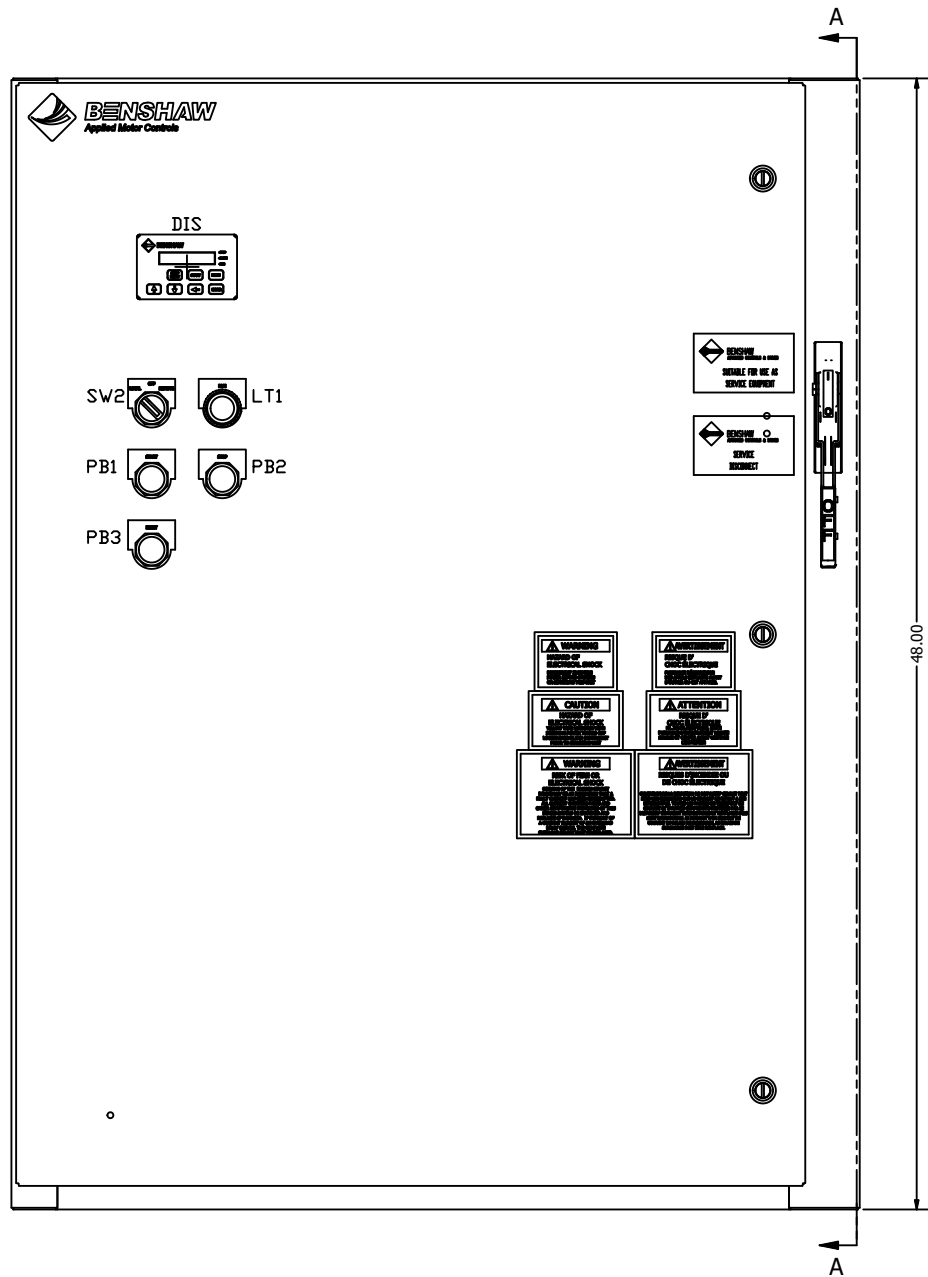


RX2E20048012KP

ON DWG



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 |
| OL/L: OVERLOAD RELAY | LT1: RUNNING PILOT LIGHT |
| RLY: SS-ATL RELAY CARD | |
| SW1: SS-OFF-ATL SEL. 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 10.00" 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 10.00" FROM BOTTOM OF POWERSTACK POWER CONNECTION TO BOTTOM OF ENCLOSURE.
- 4 ENCLOSURE LAYOUT IS DESIGNED FOR CABLE ENTRY/EXIT TO BE TOP/BOTTOM.

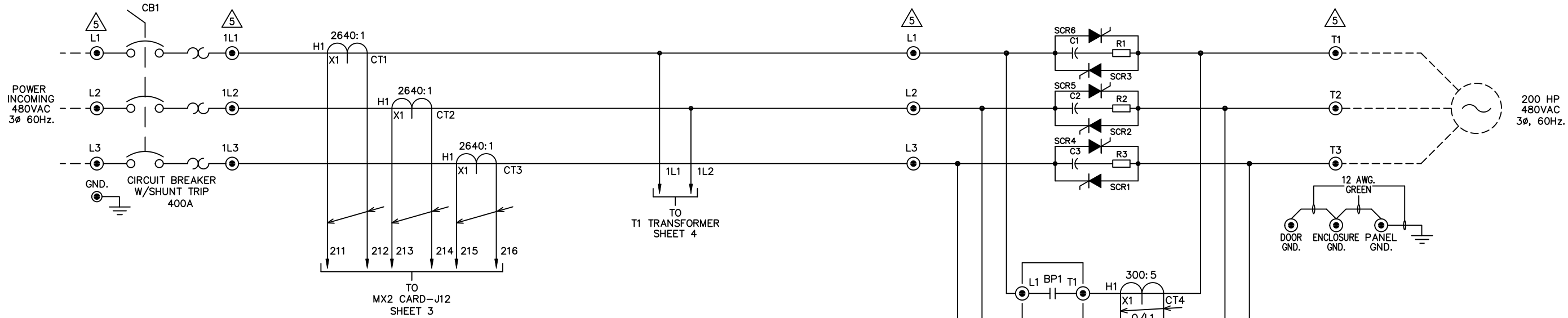
13 APPRD: BDA 7/24/18 CHG BY: BDA 7/24/18 CHANGE: CHANGED TO 3VA BREAKER	12 E4105 APPRD: AES 2/25/13 CHANGE: CHANGED CUSTOMER CONNECTION DIAGRAM & RELAY CARD NUMBER SHEET 3	11 E3930 APPRD: AES 11/12/12 CHG BY: BDA 11/12/12 CHANGE: CHANGED BREAKER TO SENTRON	10 E3796 APPRD: JAF 8/14/12 CHG BY: BDA 8/14/12 CHANGE: REVISED PER WAVE PROJECT REV 10 INITIAL RELEASE	<p>THIRD ANGLE PROJECTION</p> <p>UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS IN INCHES INTERPRET DRAWING PER ASME Y14.5M-1994</p> <p>TOLERANCES: .XX ± .03 .XXX ± .015 ANGLES ± 1°</p> <p>MATERIAL: FINISH:</p>	<p>TITLE: ENCLOSURE LAYOUT RX2E-200-480-12KP 200HP (240 AMPS) @ 480V (500% CURRENT FOR 30SECONDS, 125% CONTINUOUS DUTY RATED)</p>	<table border="1"> <tr> <th>SIGNATURES</th> <th>DATE</th> </tr> <tr> <td>DRWN: BDA</td> <td>8/14/12</td> </tr> <tr> <td>CHKD: JAF</td> <td>8/14/12</td> </tr> <tr> <td>ENG: JAF</td> <td>8/14/12</td> </tr> <tr> <td>MFG:</td> <td></td> </tr> </table>	SIGNATURES	DATE	DRWN: BDA	8/14/12	CHKD: JAF	8/14/12	ENG: JAF	8/14/12	MFG:		<p>615 ALPHA DRIVE PITTSBURGH, PA 15238</p> <p>800 BRIGHT STREET LITTONVILLE, ONTARIO M4W 3W3</p>
SIGNATURES	DATE																
DRWN: BDA	8/14/12																
CHKD: JAF	8/14/12																
ENG: JAF	8/14/12																
MFG:																	
<p>APPRD: BDA 10/14/21 CHG BY: BDA 10/14/21 CHANGE: CHANGED CIRCUIT BREAKER AND PILOT DEVICES</p>				<p>BENSHAW</p>		<p>SCALE: 1:4</p>	<p>REV 14</p>										
<p>RX2E20048012KP</p>						<p>SHEET 1 OF 4</p>											

RX2E20048012KP

ON DMD

BREAKER LUGS ACCEPT
 WIRE SIZE RANGE: (1) 1/0-300KCMIL TIGHTENING TORQUE: 358.5LB-IN (40.5Nm)
 WIRE SIZE RANGE: (1) 350-600KCMIL TIGHTENING TORQUE: 478LB-IN (54Nm)

LOAD CONNECTIONS
 1.25 WIDE BUS TAB WITH TWO 0.52 DIA. HOLE FOR BOLTED CONNECTION 1.75 APART.



- 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 = 2640:1

- STANDARD LEGEND**
- 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

CHART 1
 TIGHTENING TORQUE SPECIFICATIONS FOR HEX HEAD SCREWS

BOLT SIZE	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	TITLE: POWER SCHEMATIC RX2E-200-480-12KP 200HP (240 AMPS) @ 480V (500% CURRENT FOR 30SECONDS, 125% CONTINUOUS DUTY RATED)	SIGNATURES DATE DRWN. BDA 8/14/12 CHKD. [] [] [] [] ENG. JAF 8/14/12 MFG. [] [] [] []	615 ALPHA DRIVE PITTSBURGH, PA. 15238 500 BRIGHT STREET LISTOWEL, ONTARIO M4W 3W3	
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	SCALE: 1:1			SHEET 2 OF 4		
	BENSHAW					

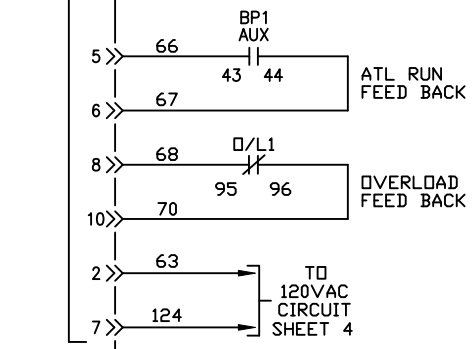
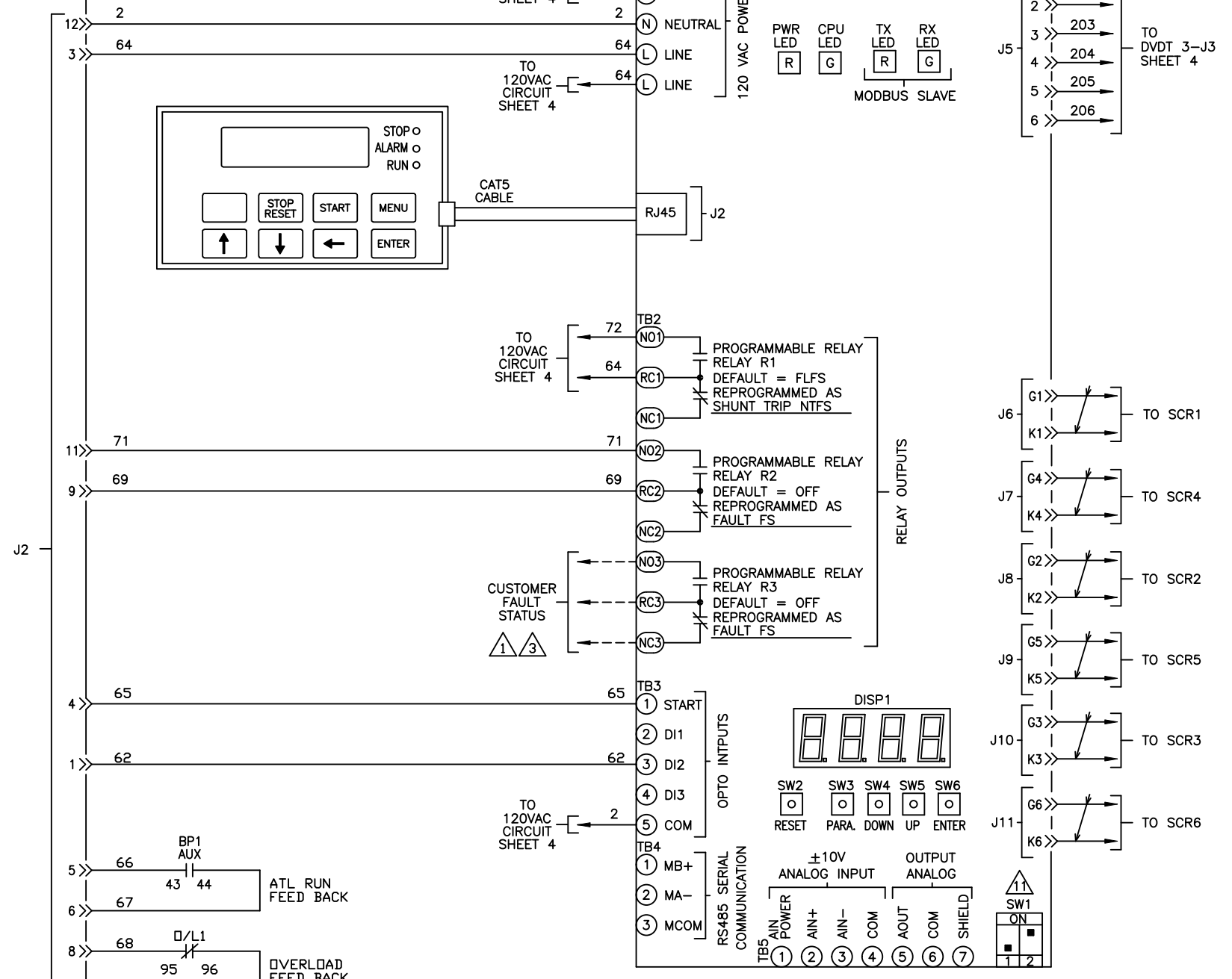
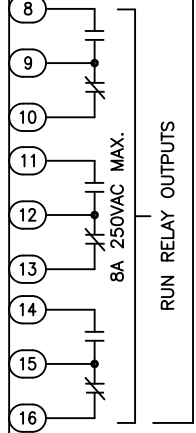
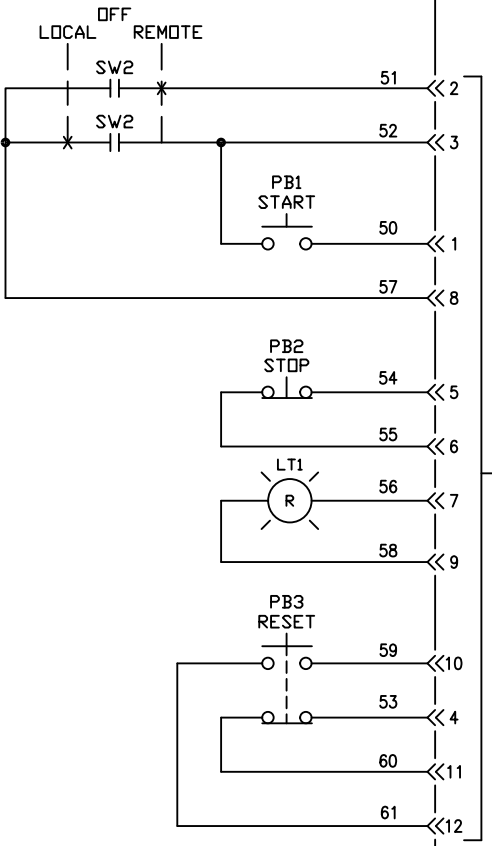
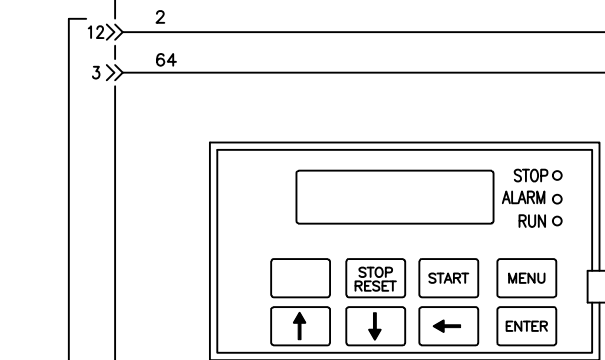
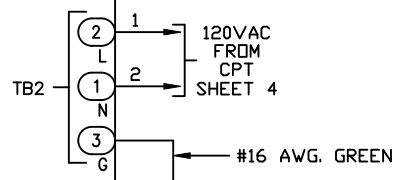
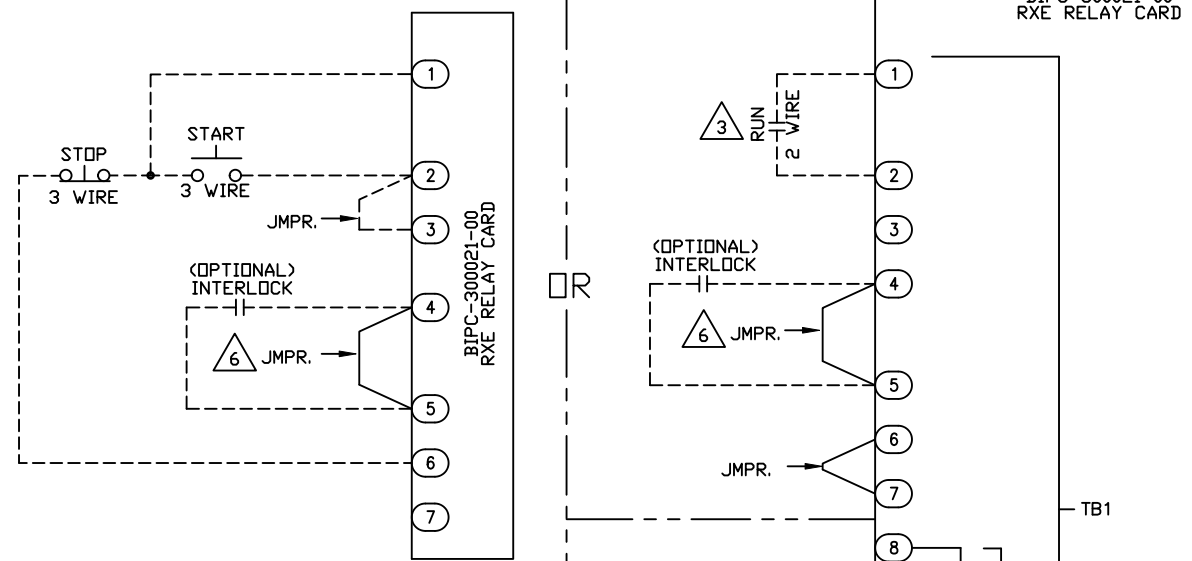
RX2E20048012KP

A
B
C
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CUSTOMER SUPPLIED 3 WIRE CONTROL

CUSTOMER SUPPLIED 2 WIRE CONTROL

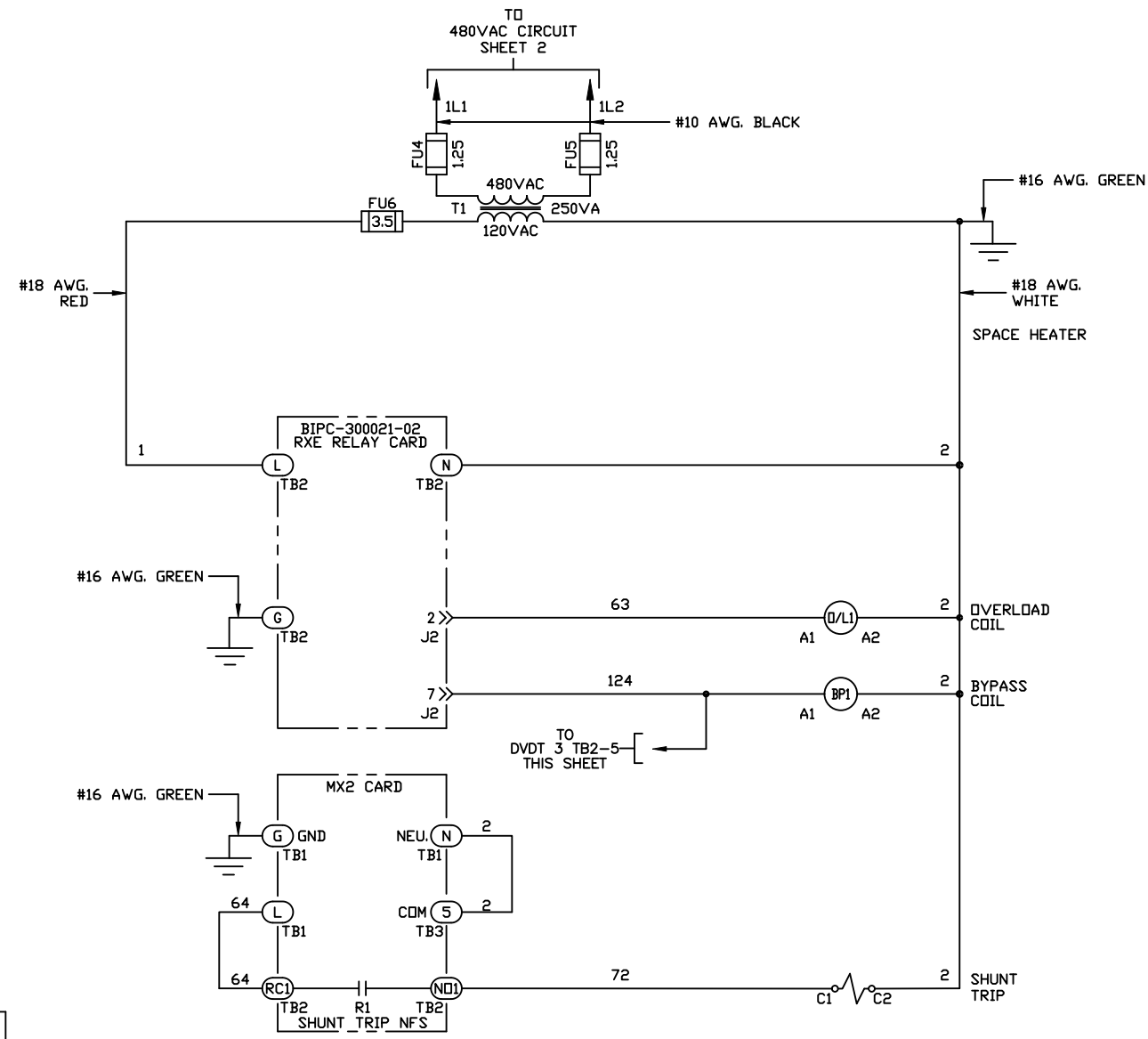
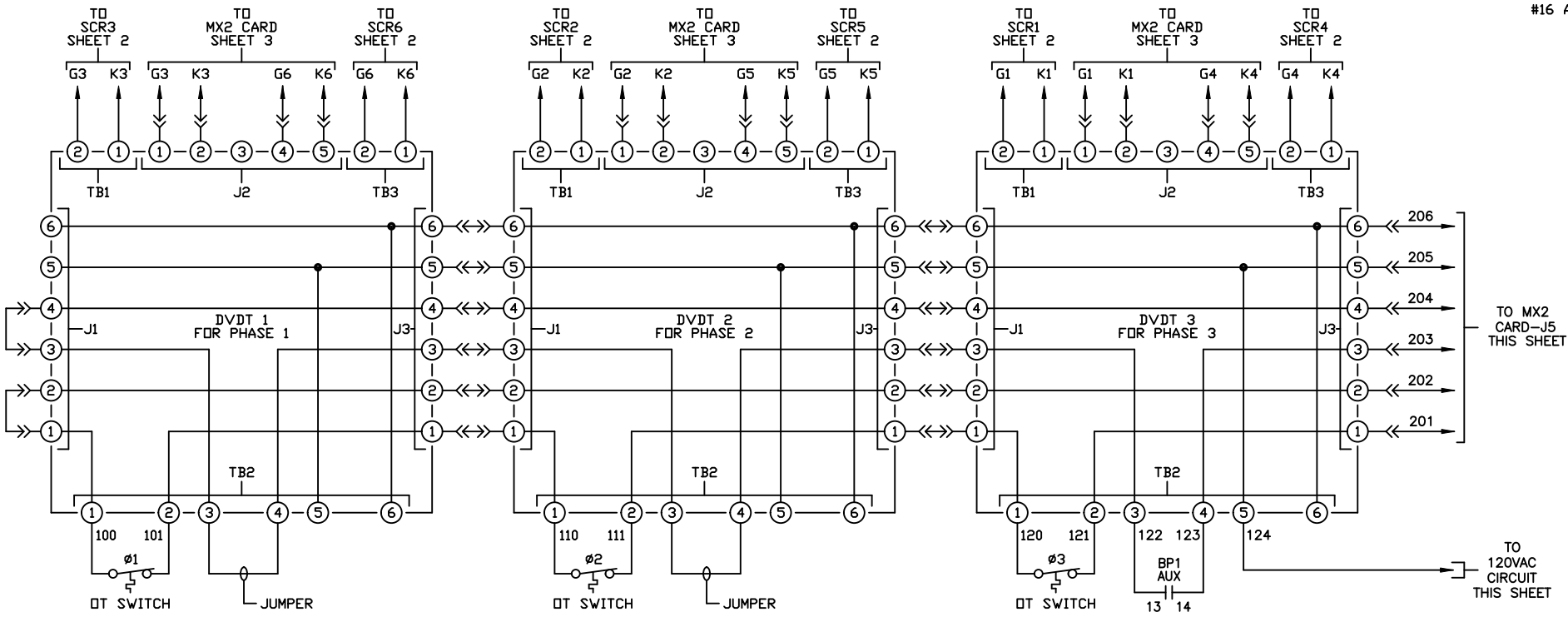
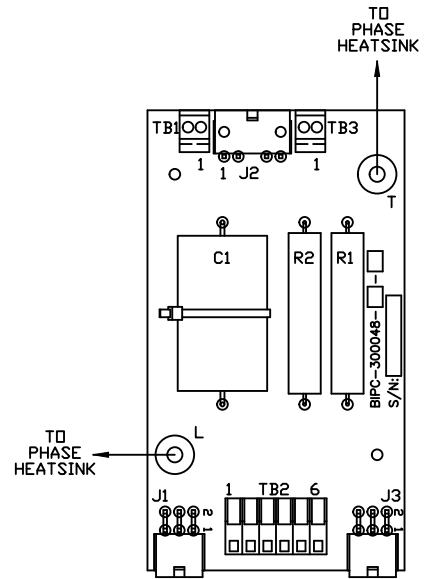
BIPC-300021-00 RXE RELAY CARD



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	MATERIAL: FINISH:			ANALOG INPUT ±10V ANALOG OUTPUT OUTPUT ANALOG	RX2E20048012KP	REV 14
	SCALE: 1:1			SHEET 3 OF 4		

RX2E20048012KP

ON DMD



REVISIONS DO NOT SCALE DWG	THIRD ANGLE PROJECTION	UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS IN INCHES INTERPRET DRAWING PER ASME Y14.5M-1994	TITLE: CONTROL SCHEMATIC RX2E-200-480-12KP 200HP (240 AMPS) @ 480V (500% CURRENT FOR 30SECONDS, 125% CONTINUOUS DUTY RATED)	SIGNATURES DATE DRWN. BDA 8/14/12 CHKD. JAF 8/14/12 ENG. JAF 8/14/12 MFG.	BENS HAW 615 ALPHA DRIVE PITTSBURGH, PA. 15238 500 BRIGHT STREET LISTOWEL, ONTARIO N4W 3W3	
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