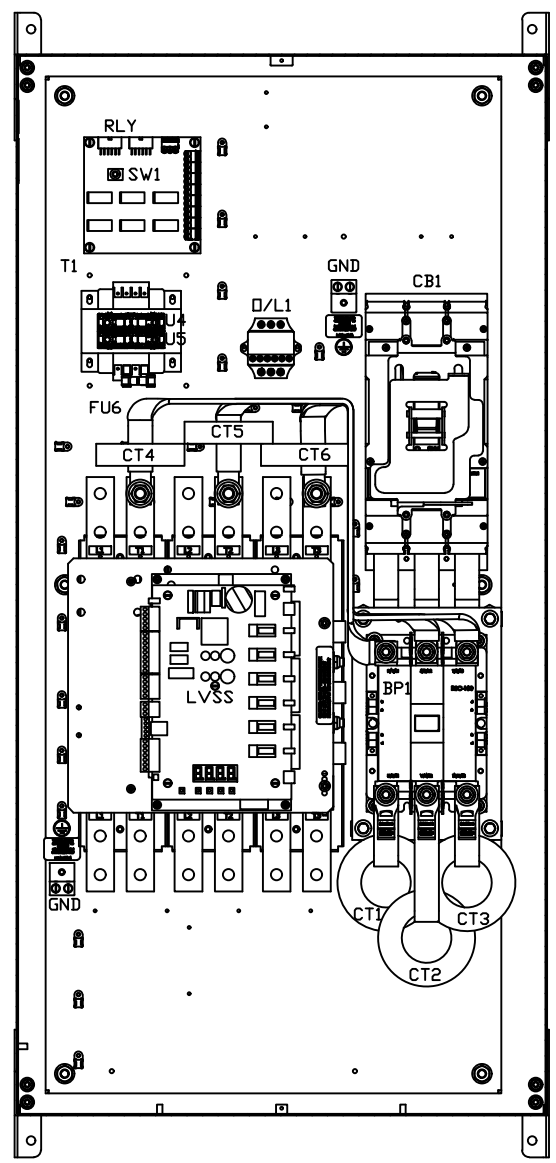
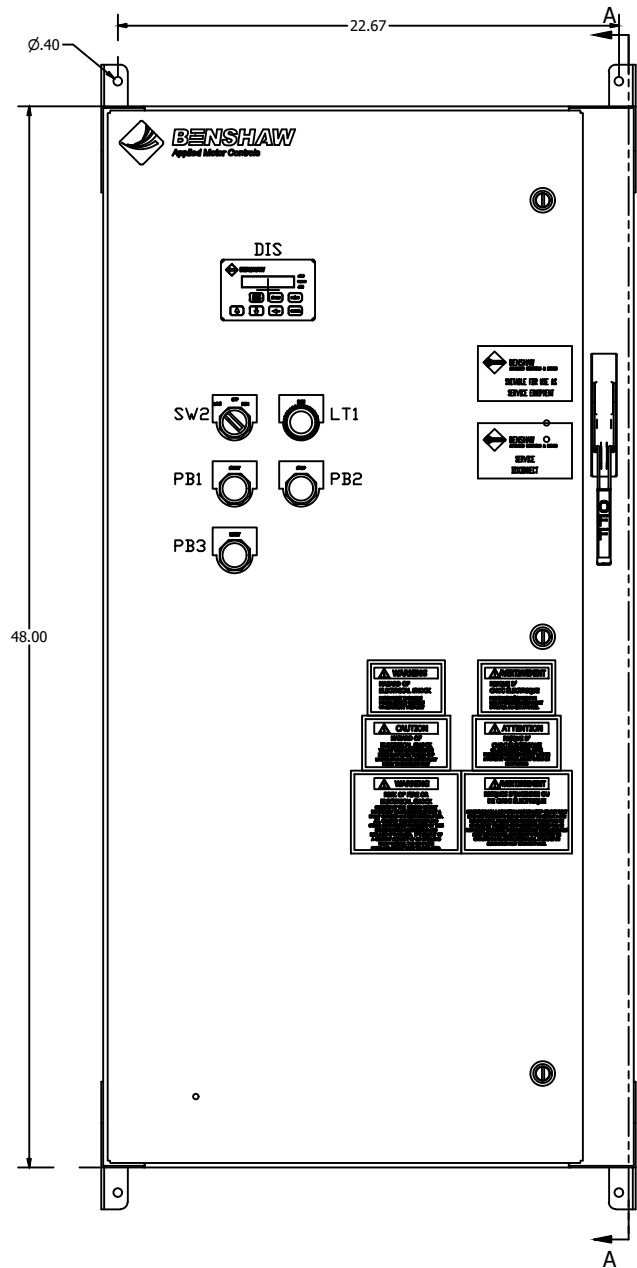


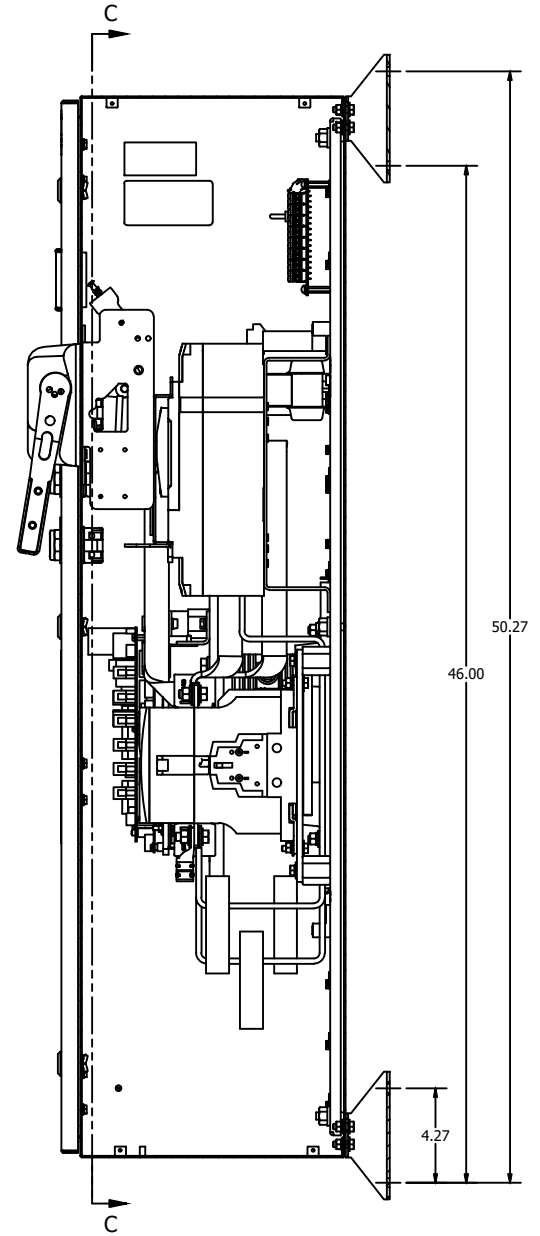
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A
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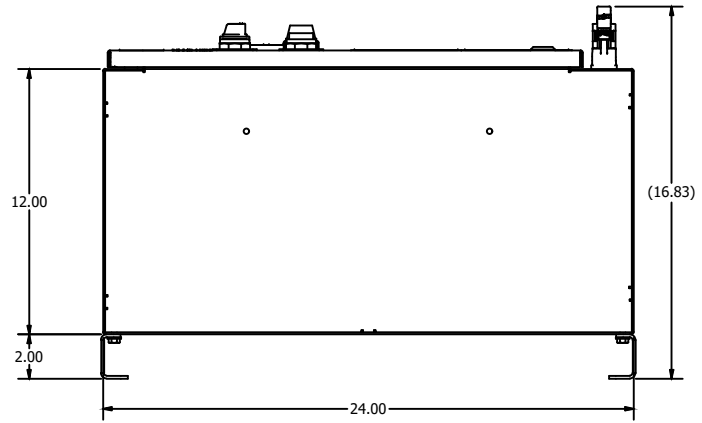
RX3E15048012KP



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: | RB3 POWER STACK | PB2: | STOP PUSHBUTTON |
| CT1-3: | CONTROL CARD CT'S | PB3: | RESET PUSHBUTTON |
| BP1: | ATL/BYPASS CONTACTOR | SW2: | LOC-OFF-REM SEL. SWITCH |
| D/L1: | 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) | | |

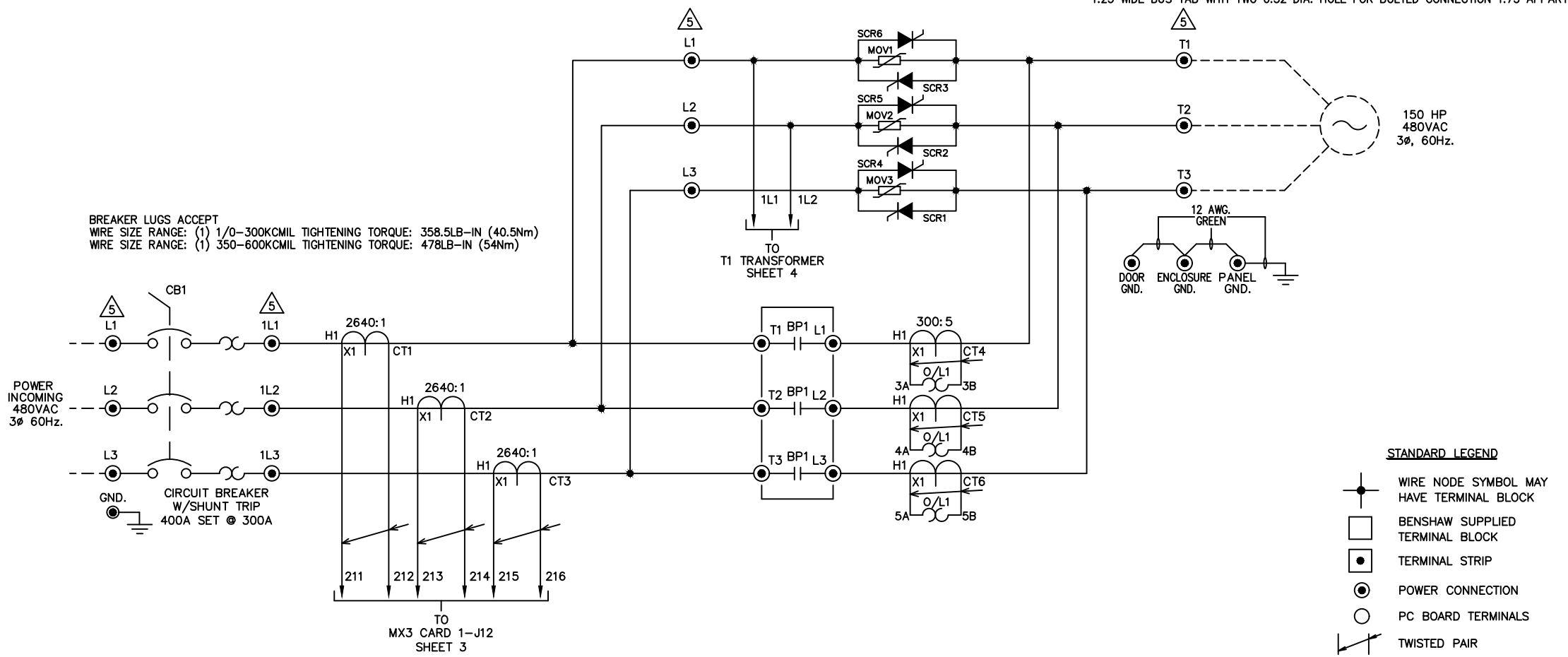
NOTES:

- 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.

<p>ECO10855116 APPRD: BDA 4/11/24 CHG BY: RWS 4/11/21 CHANGE CHANGED SW2 LEGEND TO FROM LOCAL OFF-REMOTE</p>	<p>15 APPRD: BDA 10/1/21 CHG BY: BDA 10/1/21 CHANGE CHANGED CIRCUIT BREAKER AND PILOT DEVICES</p>	<p>14 APPRD: BDA 7/18/18 CHG BY: BDA 7/18/18 CHANGE CHANGED TO 3VA BREAKER</p>	<p>12 E4.1.05 APPRD: AES 2/25/13 CHG BY: BDA 2/25/13 CHANGE CHANGED CUSTOMER CONNECTION CARD NUMBER SHEET 3</p>	<p>11 E39.30 APPRD: AES 11/12/12 CHG BY: BDA 11/12/12 CHANGE CHANGED BREAKER TO SENSIRON E3796</p>	<p>10 APPRD: JAF 8/14/12 CHG BY: BDA 8/14/12 CHANGE REVISD PER WAVE PROJECT REV TO INITIAL RELEASE</p>	<p>REVISIONS DO NOT SCALE DWG</p>	<p>THIRD ANGLE PROJECTION</p>	<p>UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS IN INCHES INTERPRET DRAWING PER ASME Y14.5M-1994 TOLERANCES: .XX ± .03 .XXX ± .015 ANGLES ± 1°</p>	<p>TITLE: ENCLOSURE LAYOUT RX3E-150-480-12KP 150HP (180 AMPS) @ 480V (500% CURRENT FOR 30SECONDS, 125% CONTINUOUS DUTY RATED)</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>SIGNATURES</th> <th>DATE</th> </tr> <tr> <td>DRWN: BDA</td> <td>8/14/12</td> </tr> <tr> <td>ENGR: JAF</td> <td>8/14/12</td> </tr> <tr> <td>MFG:</td> <td></td> </tr> <tr> <td>SIZE</td> <td>DWG NO.</td> </tr> <tr> <td>D</td> <td></td> </tr> </table>	SIGNATURES	DATE	DRWN: BDA	8/14/12	ENGR: JAF	8/14/12	MFG:		SIZE	DWG NO.	D		<p style="text-align: center;">BENSHAW</p> <p style="font-size: small;">615 ALPHA DRIVE PITTSBURGH, PA. 15238 550 BRIGHT STREET LISTOWEL, ONTARIO M4W 3W5</p>	<p style="text-align: center;">RX3E15048012KP</p>	<p style="text-align: right;">REV 16</p>
SIGNATURES	DATE																								
DRWN: BDA	8/14/12																								
ENGR: JAF	8/14/12																								
MFG:																									
SIZE	DWG NO.																								
D																									
SCALE: 1:4									SHEET 1 OF 4																

RX3E15048012KP

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



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)

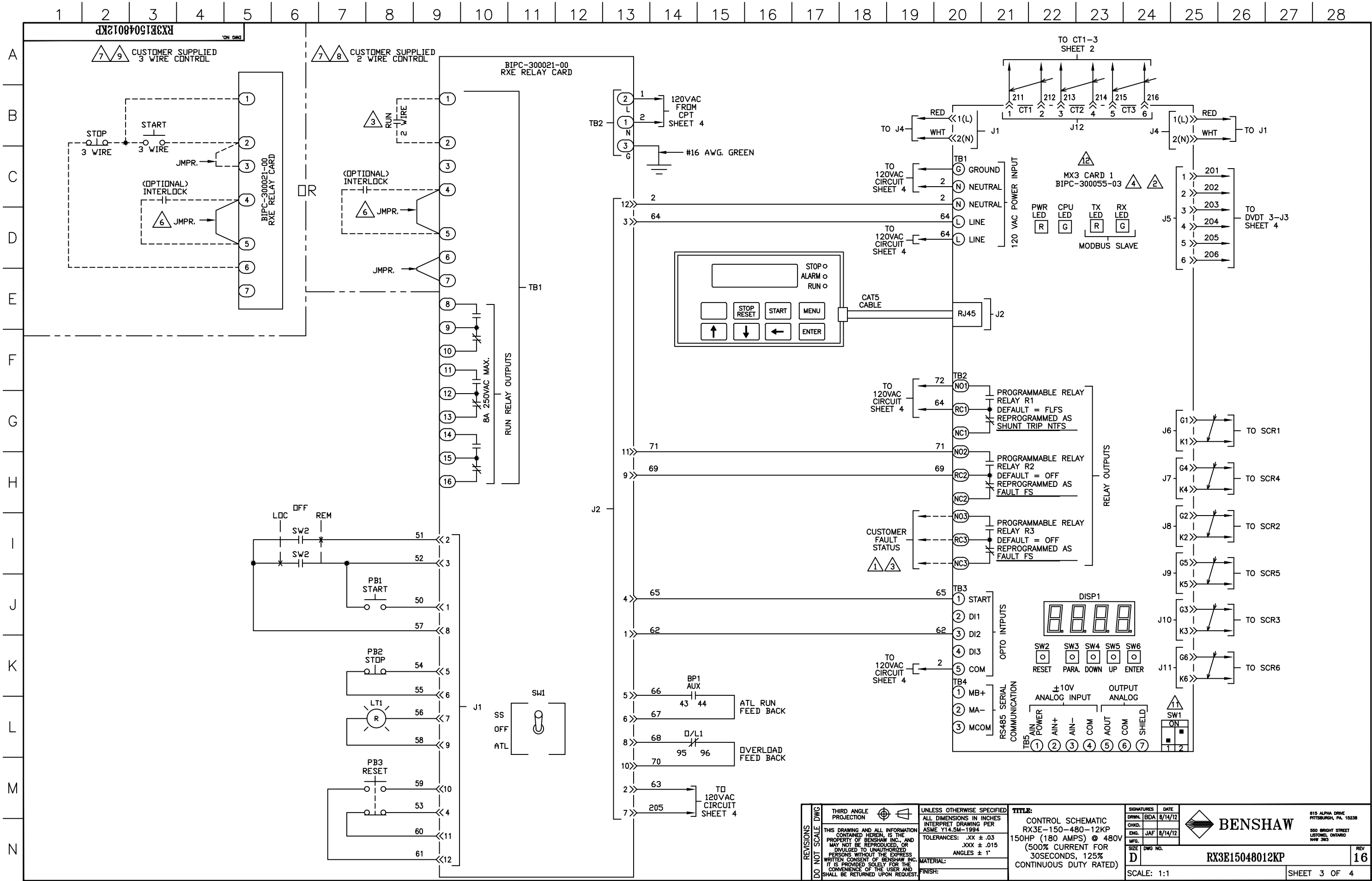
- NOTES**
1. FAILSAFE FAULT RELAY SHOWN IN DE-ENERGIZED STATE. RELAY WILL ENERGIZE WHEN CONTROL POWER IS APPLIED TO CONTROL CARD, AND WILL REMAIN ENERGIZED WHEN NO FAULTS ARE PRESENT. RELAY WILL DE-ENERGIZE WHEN A FAULT OCCURS, OR IF CONTROL POWER IS REMOVED FROM THE CARD
 2. REFER TO INSTRUCTION MANUAL 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

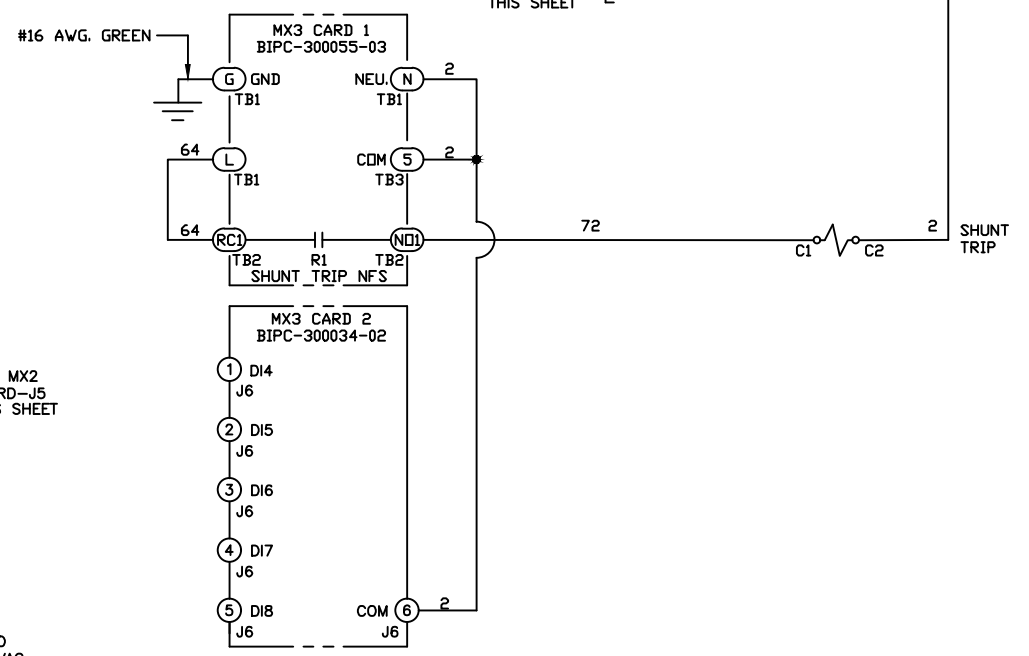
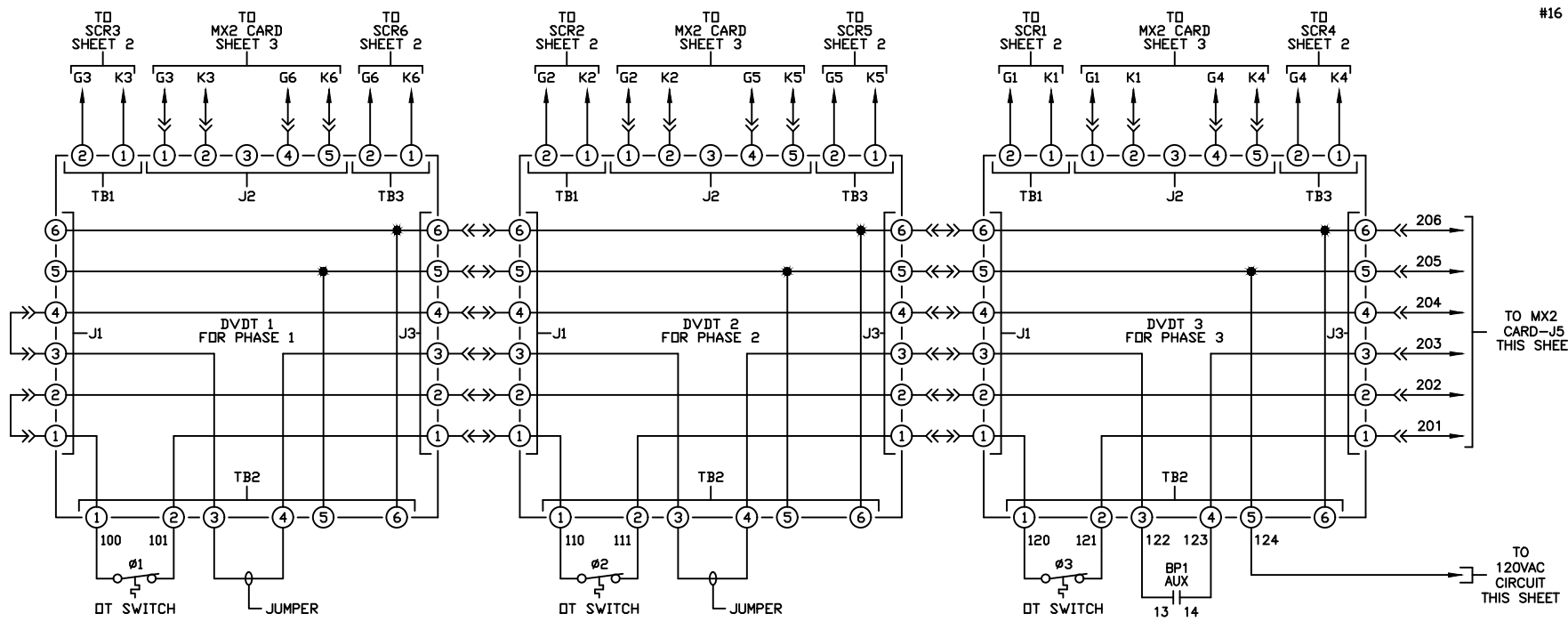
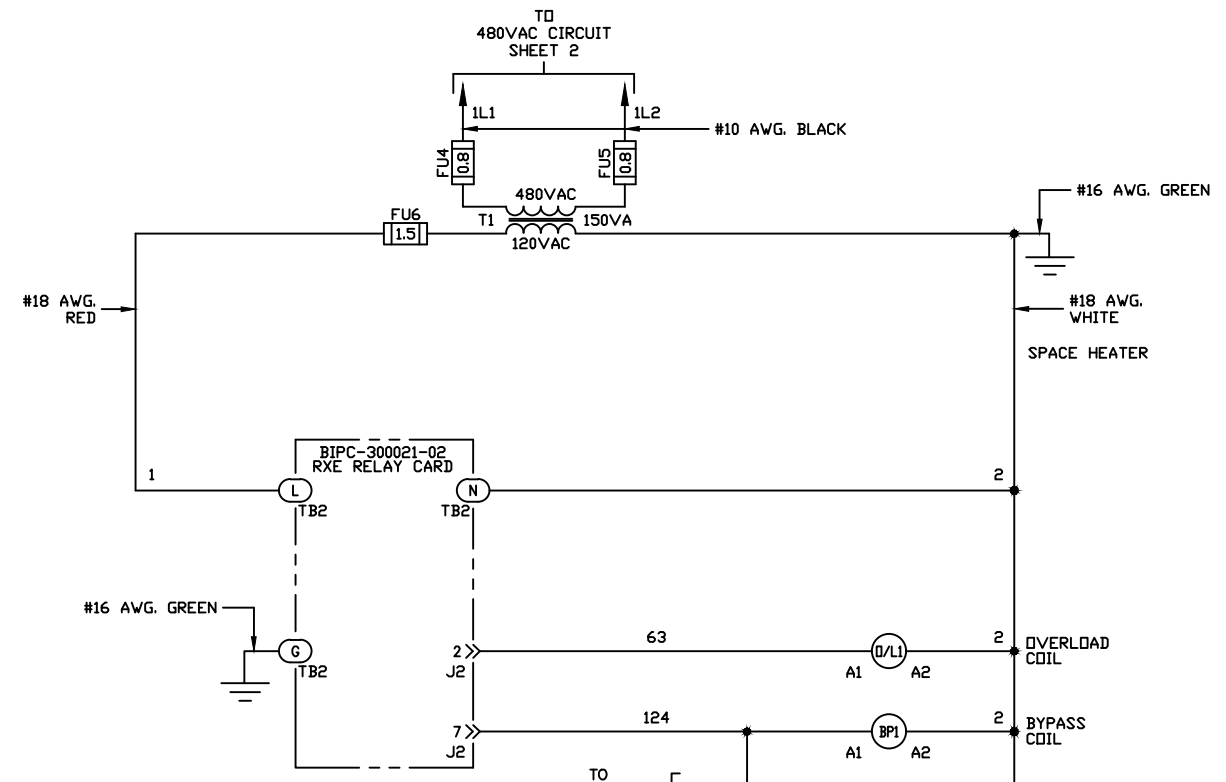
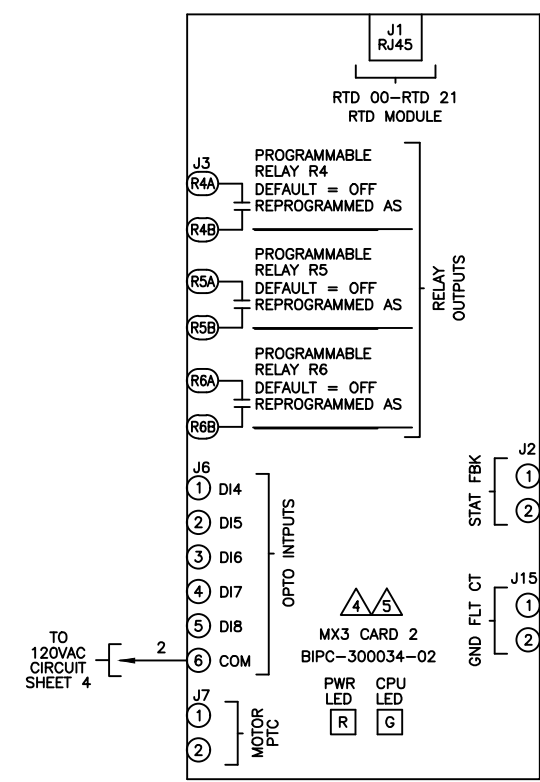
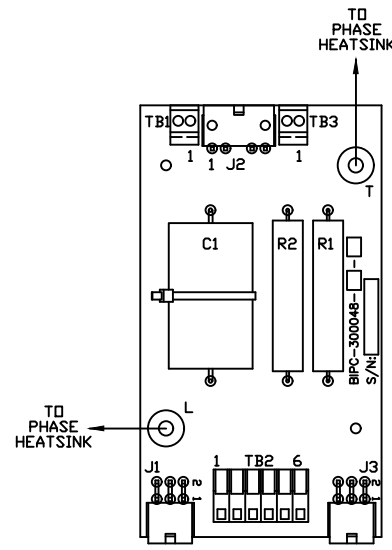
REVISIONS DO NOT SCALE DWG	THIRD ANGLE PROJECTION	UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS IN INCHES INTERPRET DRAWING PER ASME Y14.5M-1994 TOLERANCES: .XX ± .03 .XXX ± .015 ANGLES ± 1°	TITLE: POWER SCHEMATIC RX3E-150-480-12KP 150HP (180 AMPS) @ 480V (500% CURRENT FOR 30SECONDS, 125% CONTINUOUS DUTY RATED)	SIGNATURES DATE DRWN: BDA 8/14/12 ENG: JAF 8/14/12 MFD:	615 ALPHA DRIVE PITTSBURGH, PA. 15238 550 BRIGHT STREET LISTOWEL, ONTARIO M4W 3W5
	THIS DRAWING AND ALL INFORMATION CONTAINED HEREIN IS THE PROPERTY OF BENSHAW INC., AND MAY NOT BE REPRODUCED, OR DIVULGED TO UNAUTHORIZED PERSONS WITHOUT THE EXPRESS WRITTEN CONSENT OF BENSHAW INC. IT IS PROVIDED SOLELY FOR THE CONVENIENCE OF THE USER AND SHALL BE RETURNED UPON REQUEST.	MATERIAL:	FINISH:	SIZE DWG NO. D SCALE: 1:1	REV 16 SHEET 2 OF 4
	BENS HAW		RX3E15048012KP		
	DO NOT SCALE DWG		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°	TITLE: CONTROL SCHEMATIC RX3E-150-480-12KP 150HP (180 AMPS) @ 480V (500% CURRENT FOR 30SECONDS, 125% CONTINUOUS DUTY RATED)	SIGNATURES: BDA DATE: 8/14/12		615 ALPHA DRIVE PITTSBURGH, PA. 15238 550 BRIGHT STREET LISTON, ONTARIO M4W 3W5	
	THIS DRAWING AND ALL INFORMATION CONTAINED HEREIN IS THE PROPERTY OF BENSHAW INC. AND MAY NOT BE REPRODUCED, OR DIVULGED TO UNAUTHORIZED PERSONS WITHOUT THE EXPRESS WRITTEN CONSENT OF BENSHAW INC. IT IS PROVIDED SOLELY FOR THE CONVENIENCE OF THE USER AND SHALL BE RETURNED UPON REQUEST.			CHD: ENG.: JAF MFG.:			DATE: 8/14/12
	MATERIAL:			FINISH:			DWG NO.: SCALE: 1:1
	REV: 16 SHEET 3 OF 4						

RX3E15048012KP

ON DMS



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-150-480-12KP 150HP (180 AMPS) @ 480V (500% CURRENT FOR 30SECONDS, 125% CONTINUOUS DUTY RATED)	SIGNATURES DATE DRWN: BDA 8/14/12 CHD: ENG: JAF 8/14/12 MFG: SIZE DWG NO. D	615 ALPHA DRIVE PITTSBURGH, PA. 15238 550 BRIGHT STREET LISTON, ONTARIO M4W 3W5
	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.		BENSCHAW	RX3E15048012KP	REV 16
	SCALE: 1:1		SHEET 4 OF 4		
	SHEET 4 OF 4				