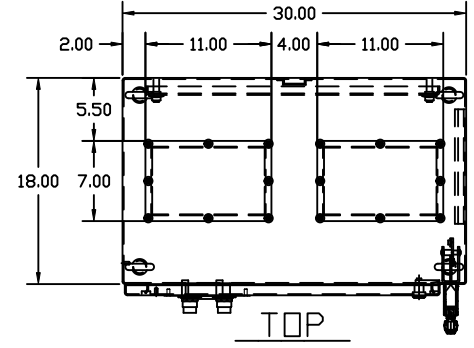


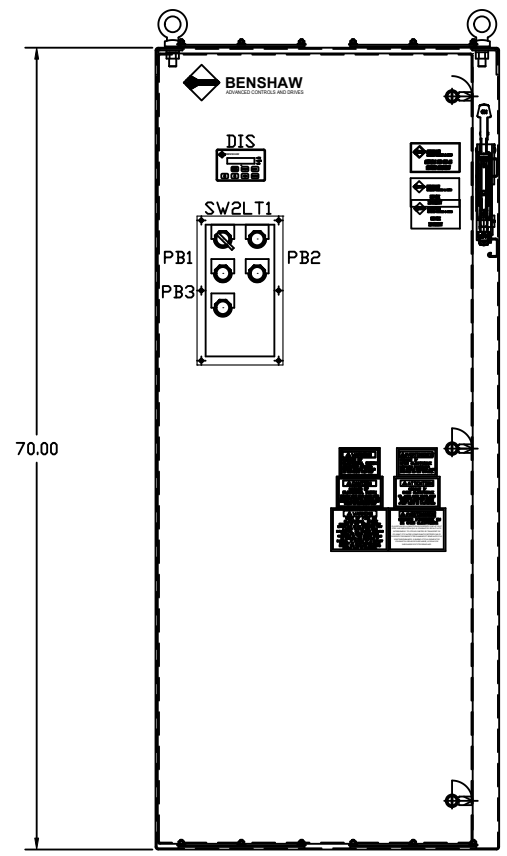
RX3E-250-480-3RKP



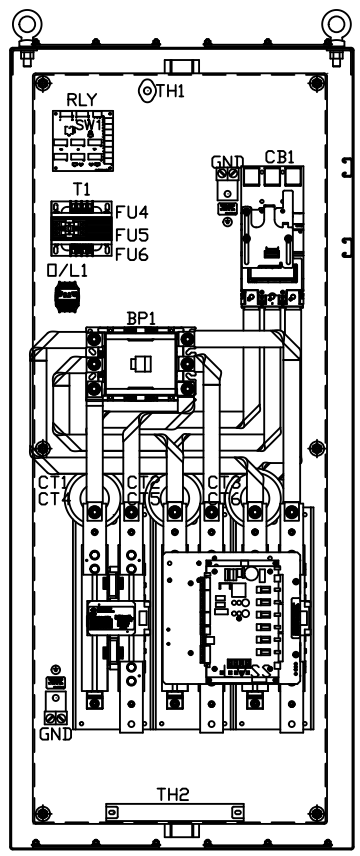
TOP

LEGEND

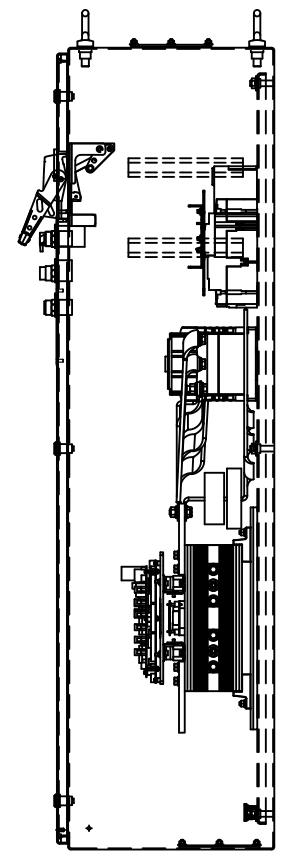
- CB1: CIRCUIT BREAKER
- GND: GROUND LUGS
- LVSS: RB3 POWER STACK
- CT1-3: CONTROL CARD CT'S
- BP1: ATL/BYPASS CONTACTOR
- O/L1: OVERLOAD RELAY
- RLY: SS-ATL RELAY CARD
- SW1: SS-OFF-ATL SEL. SWITCH (RLY)
- T1: CONTROL POWER TRANSFORMER
- FU4-5: PRIMARY FUSING (T1)
- FU6: SECONDARY FUSE (T1)
- TH1: THERMOSTAT
- TH2: SPACE HEATER
- DIS: DOOR MOUNTED KEYPAD
- PB1: START PUSHBUTTON
- PB2: STOP PUSHBUTTON
- PB3: RESET PUSHBUTTON
- SW2: LOCAL-OFF-REMOTE SEL. SWITCH
- LT1: RUNNING PILOT LIGHT



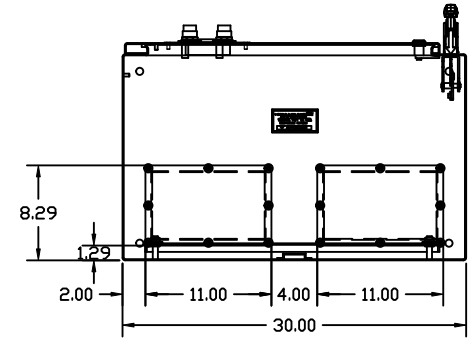
FRONT



PANEL



RIGHT SIDE



BOTTOM

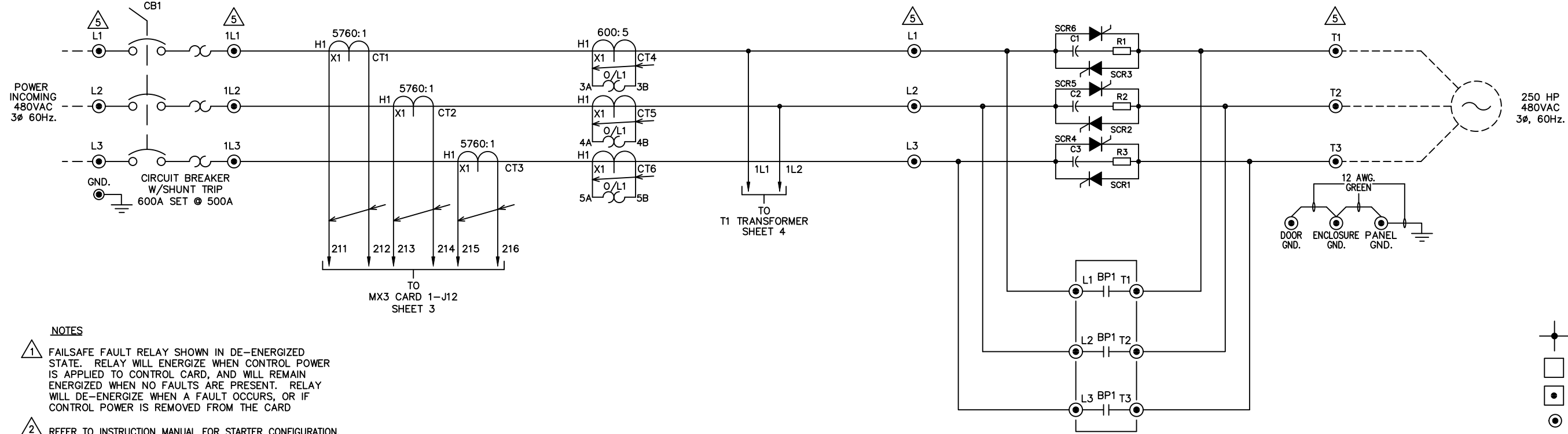
NOTES:

- 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.

17	APPRD: BDA 4/17/19	13	ECO: E4187	12	E-4105	11	E-3930	10	E-3796	9	E-3796	8	E-3796	7	E-3796	6	E-3796	5	E-3796	4	E-3796	3	E-3796	2	E-3796	1	E-3796		
CHG BY: BDA 4/17/19		APPRD: JAF 4/18/13		APPRD: AES 2/25/13		APPRD: AES 11/12/12		APPRD: AES 11/12/12		APPRD: AES 11/12/12		APPRD: JAF 8/14/12		APPRD: JAF 8/14/12		APPRD: JAF 8/14/12		APPRD: JAF 8/14/12		APPRD: JAF 8/14/12		APPRD: JAF 8/14/12		APPRD: JAF 8/14/12		APPRD: JAF 8/14/12			
CHANGE: CHANGED TO 3VA BREAKER		CHANGE: REMOVED CHASSIS "L" SIDE BUSS BAR.		CHANGE: CHANGED BREAKER TO SENTROL		CHANGE: CHANGED BREAKER TO SENTROL		CHANGE: CHANGED BREAKER TO SENTROL		CHANGE: CHANGED BREAKER TO SENTROL		CHANGE: REVISED PER VAVE PROJECT. REV TO INITIAL RELEASE		CHANGE: REVISED PER VAVE PROJECT. REV TO INITIAL RELEASE		CHANGE: REVISED PER VAVE PROJECT. REV TO INITIAL RELEASE		CHANGE: REVISED PER VAVE PROJECT. REV TO INITIAL RELEASE		CHANGE: REVISED PER VAVE PROJECT. REV TO INITIAL RELEASE		CHANGE: REVISED PER VAVE PROJECT. REV TO INITIAL RELEASE		CHANGE: REVISED PER VAVE PROJECT. REV TO INITIAL RELEASE		CHANGE: REVISED PER VAVE PROJECT. REV TO INITIAL RELEASE			
THIRD ANGLE PROJECTION THIS DRAWING AND ALL INFORMATION CONTAINED HEREIN, IS THE PROPERTY OF BENS HAW INC. AND MAY NOT BE REPRODUCED, OR DIVULGED TO UNAUTHORIZED PERSONS WITHOUT THE EXPRESS WRITTEN CONSENT OF BENS HAW INC. IT IS PROVIDED SOLELY FOR THE CONVENIENCE OF THE USER AND SHALL BE RETURNED UPON REQUEST.										UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS IN INCHES INTERPRET DRAWING PER ASME Y14.5M-1994 TOLERANCES: .XX ± .03 .XXX ± .015 ANGLES ± 1° MATERIAL: FINISH:										TITLE: ENCLOSURE LAYOUT RX3E-250-480-3RKP 250HP (302 AMPS) @ 480V (500% CURRENT FOR 30SECONDS, 125% CONTINUOUS DUTY RATED)				SIGNATURES DRWN: BDA 8/14/12 CHG: JAF 8/14/12 MFG: JAF 8/14/12 SIZE: D DWG NO.: RX3E-250-480-3RKP		DATE: 8/14/12 REV: 17		BENS HAW 815 ALPHA DRIVE PITTSBURGH, PA. 15238 550 BRIGHT STREET LISTOWEL, ONTARIO M4W 3W3	
SCALE: 1:8																				SHEET 1 OF 4									

RX3E-250-480-3RKP ON DWG

A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
L  
M  
N



- 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 = 5760:1

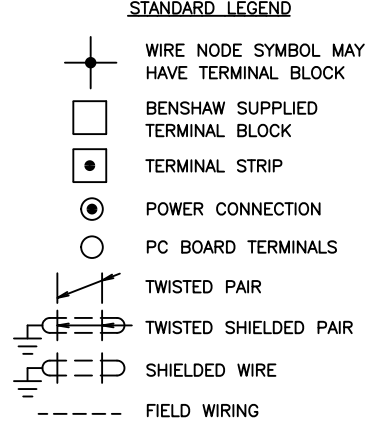
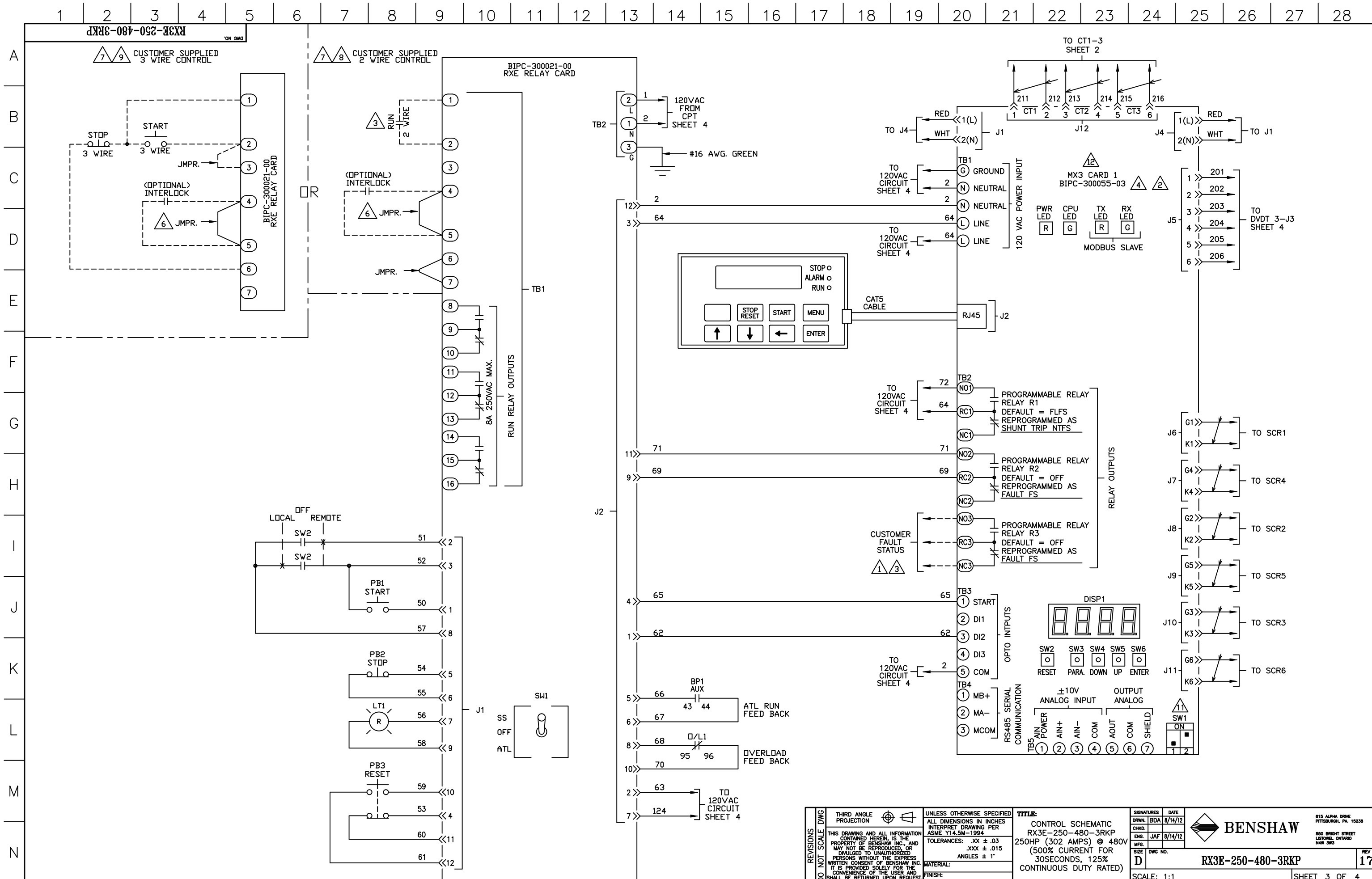


CHART 1  
TIGHTENING TORQUE SPECIFICATIONS FOR HEX HEAD SCREWS

BOLT SIZE	BOLTS - GRADE 5	
SAE	(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 RX3E-250-480-3RKP 250HP (302 AMPS) @ 480V (500% CURRENT FOR 30SECONDS, 125% CONTINUOUS DUTY RATED)	SIGNATURES DRWN: BDA 8/14/12 ENGR: JAF 8/14/12 MFG:	DATE 8/14/12	BENSRAW 815 ALPHA DRIVE PITTSBURGH, PA 15238 550 BRIGHT STREET LISTOWEL, ONTARIO M4W 3W3
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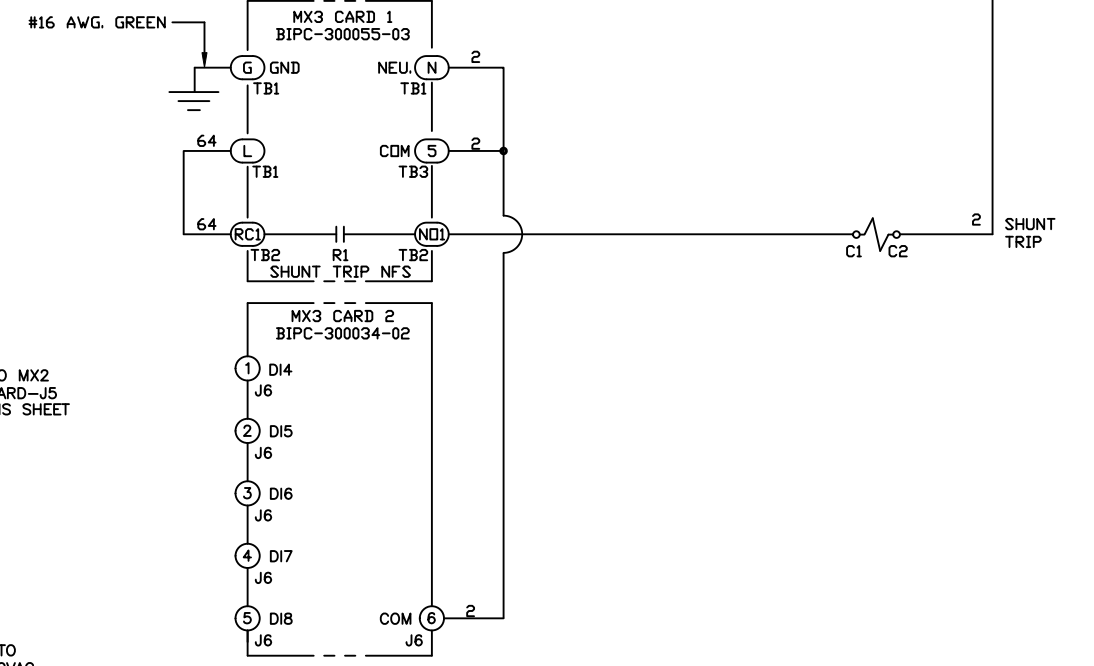
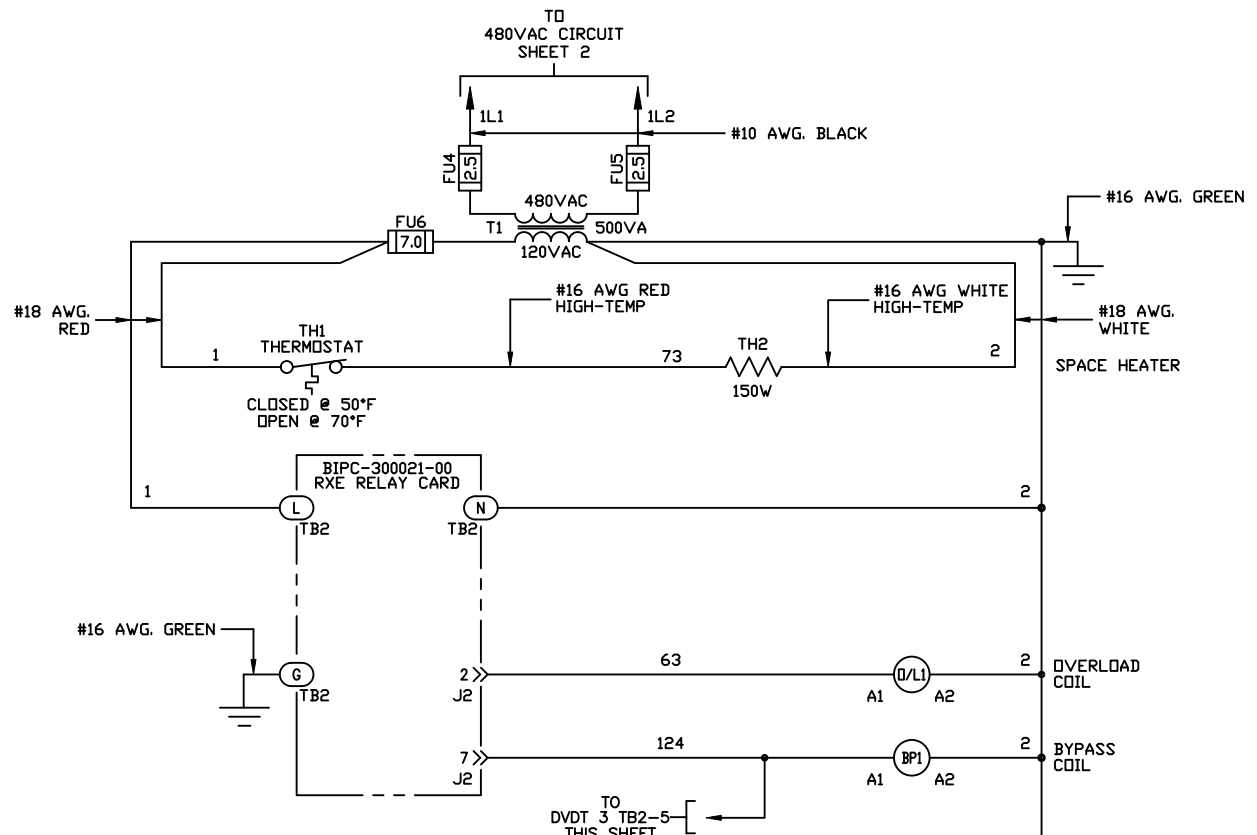
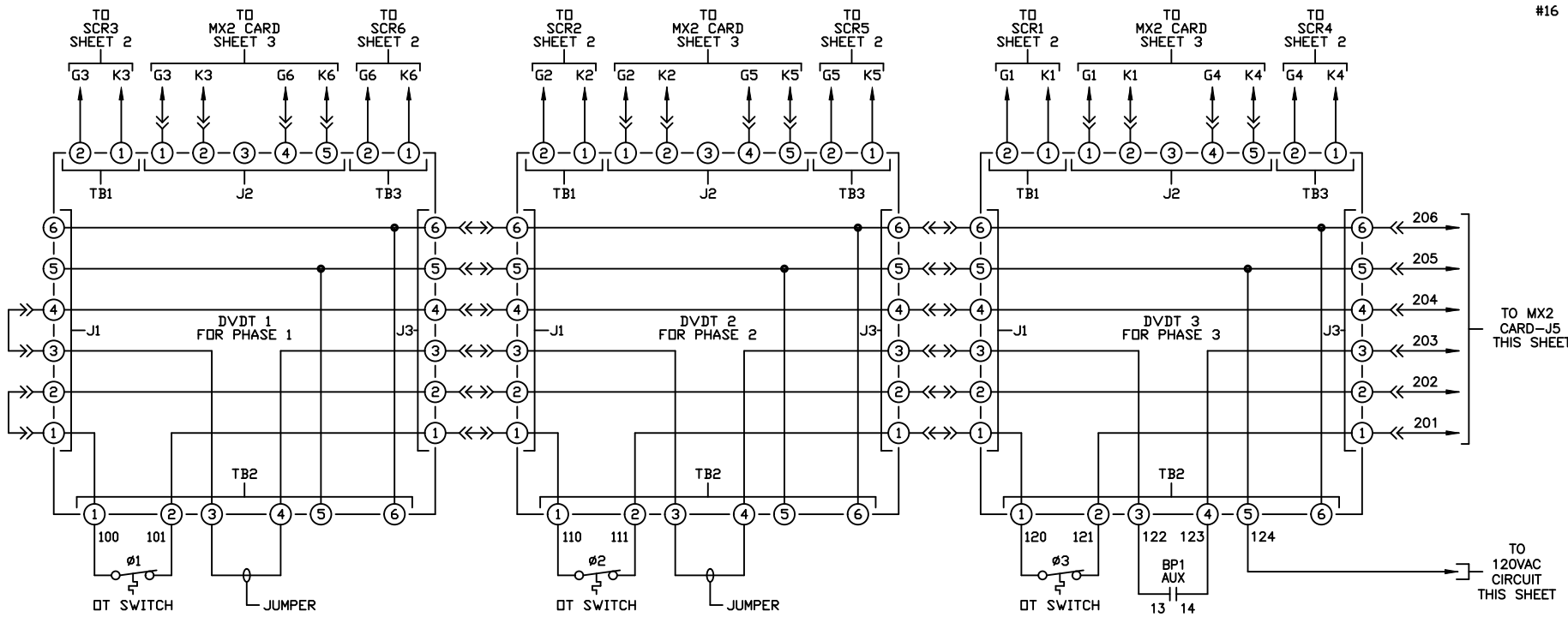
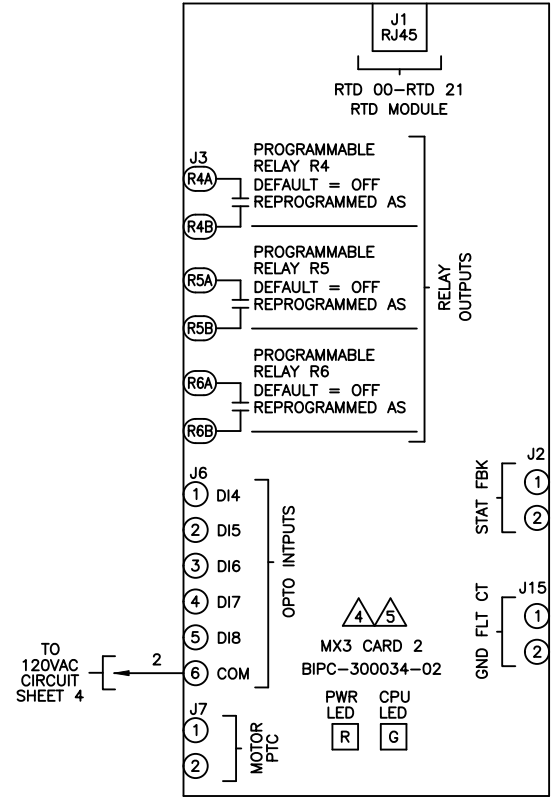
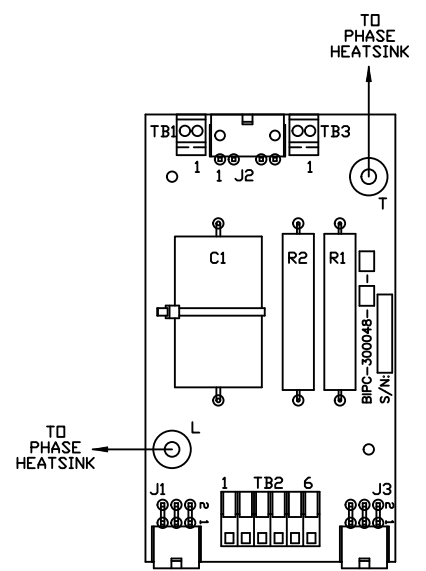
SCALE: 1:1 SHEET 2 OF 4



<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 RX3E-250-480-3RKP 250HP (302 AMPS) @ 480V (500% CURRENT FOR 30SECONDS, 125% CONTINUOUS DUTY RATED)	<b>SIGNATURES</b> <b>DATE</b> DRWN: BDA 8/14/12 CHK: JAF 8/14/12 ENG: JAF 8/14/12 MFR:	 815 ALPHA DRIVE PITTSBURGH, PA 15238 550 BRIGHT STREET LISTOWEL, ONTARIO M4W 3W3
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	<b>MATERIAL:</b> <b>FINISH:</b>			<b>SCALE:</b> 1:1	
	<b>TO 120VAC CIRCUIT SHEET 4</b>			<b>SHEET 3 OF 4</b>	

RX3E-250-480-3RKP  
ON DWG

A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
L  
M  
N



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> CONTROL SCHEMATIC RX3E-250-480-3RKP 250HP (302 AMPS) @ 480V (500% CURRENT FOR 30SECONDS, 125% CONTINUOUS DUTY RATED)	SIGNATURES DRWN: BDA CHKD: ENG: JAF MFG: DATE: 8/14/12	BENSRAW 815 ALPHA DRIVE PITTSBURGH, PA. 15238 550 BRIGHT STREET LISTOWEL, ONTARIO M4W 3W3
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	TO MX2 CARD-J5 THIS SHEET	TO MX2 CARD-J5 THIS SHEET	TO MX2 CARD-J5 THIS SHEET	TO MX2 CARD-J5 THIS SHEET	
	TO MX2 CARD-J5 THIS SHEET	TO MX2 CARD-J5 THIS SHEET	TO MX2 CARD-J5 THIS SHEET	TO MX2 CARD-J5 THIS SHEET	