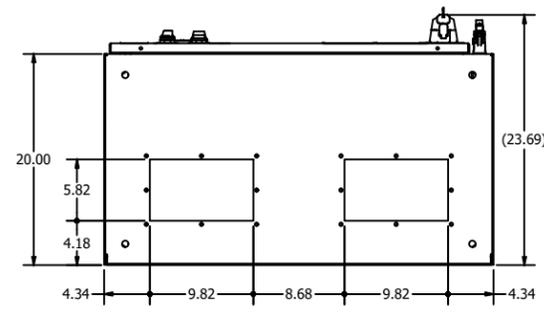
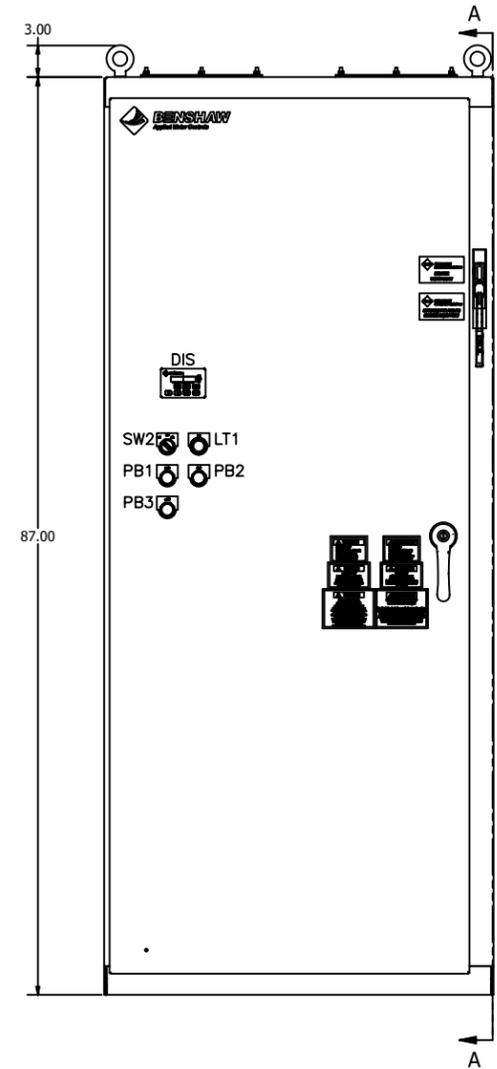
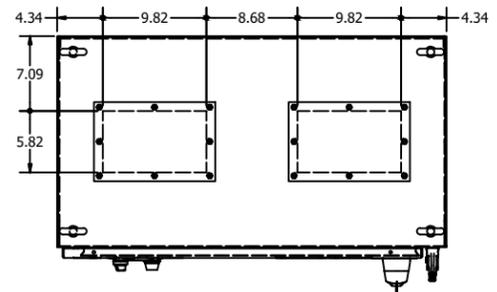


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28

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

RX3E60048012KP

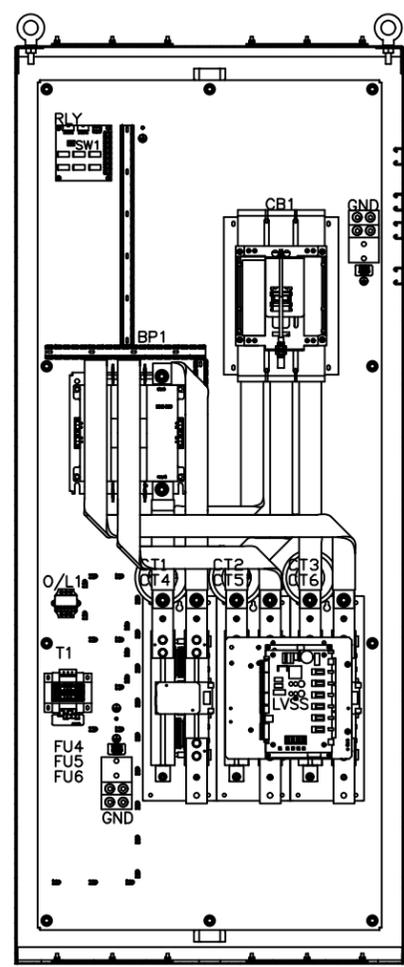


**LEGEND**

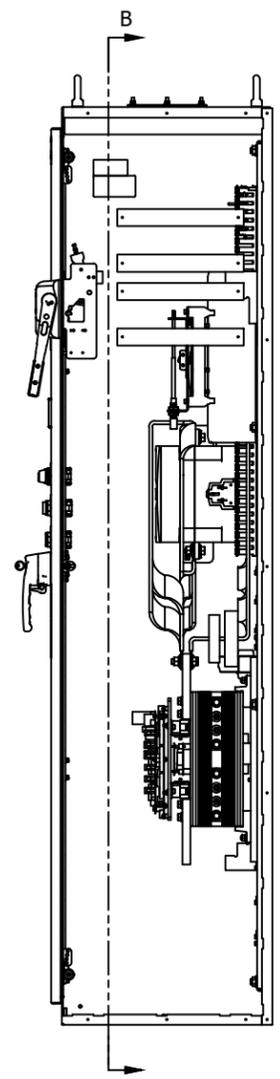
- CB1: CIRCUIT BREAKER
- GND: GROUND LUGS
- LVSS: RB3 POWER STACK
- CT1-3: CONTROL CARD CT'S
- BP1: ATL/BYPASS CONTACTOR
- O/L1: OVERLOAD RELAY
- RLY: SS-ATL RELAY CARD
- SW1: SS-OFF-ATL SEL. SWITCH (RLY)
- PS1: PINSTRIP (3 POINT)
- T1: CONTROL POWER TRANSFORMER
- FU4-5: PRIMARY FUSING (T1)
- FU6: SECONDARY FUSE (T1)
- DIS: DOOR MOUNTED KEYPAD
- PB1: START PUSHBUTTON
- PB2: STOP PUSHBUTTON
- PB3: RESET PUSHBUTTON
- SW2: LOC-OFF-REM SEL. SWITCH
- LT1: RUNNING PILOT LIGHT

**NOTES:**

- 1 MINIMUM WIRE BENDING SPACE SHALL BE 15.00" 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 15.00" FROM BOTTOM OF POWERSTACK POWER CONNECTION TO BOTTOM OF ENCLOSURE.
- 4 ENCLOSURE LAYOUT IS DESIGNED FOR CABLE ENTRY/EXIT TO BE TOP/BOTTOM.



SECTION B-B  
SCALE 1/8



SECTION A-A  
SCALE 1/8

15	APPRD: BDA 9/28/21
	CHG BY: BDA 9/28/21
	CHANGE CHANGED
	CIRCUIT BREAKER
	AND PILOT DEVICES
13	E.S. 1.78
	APPRD: BDA 3/30/17
	CHG BY: BDA 3/30/17
	CHANGE ADD AUX
	CONTACT IN FRONT OF
	CONTACT
12	E.4.1.05
	APPRD: AS 2/25/13
	CHG BY: BDA 2/25/13
	CHANGE CHANGED
	CUSTOMER CONNECTION
	CARD NUMBER SHEET 3
11	E.S. 3.0
	APPRD: AS 11/12/12
	CHG BY: BDA 11/12/12
	CHANGE CHANGED
	BREAKER TO SENSIRON
10	E3796
	APPRD: JAF 8/14/12
	CHG BY: BDA 8/14/12
	CHANGE REVISED PER
	WAVE PROJECT REV
	TO INITIAL RELEASE

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:**  
ENCLOSURE LAYOUT  
RX3E-600-480-12KP  
600HP (720 AMPS) @ 480V  
(500% CURRENT FOR  
30SECONDS, 125%  
CONTINUOUS DUTY RATED)

SIGNATURES	DATE
DRW: BDA	8/14/12
CHK: JAF	8/14/12
ENG: JAF	8/14/12
MFG:	
SIZE	DWG NO.
D	



615 ALPHA DRIVE  
PITTSBURGH, PA. 15238

550 BRIGHT STREET  
LISTWEL, ONTARIO  
M4W 3H5

RX3E60048012KP

SCALE: 1:8

SHEET 1 OF 4

ECO 10855 16

APPRD: BDA 4/11/24

CHG BY: RWS 4/11/21

CHANGE CHANGED

CHANGE LEGEND TO

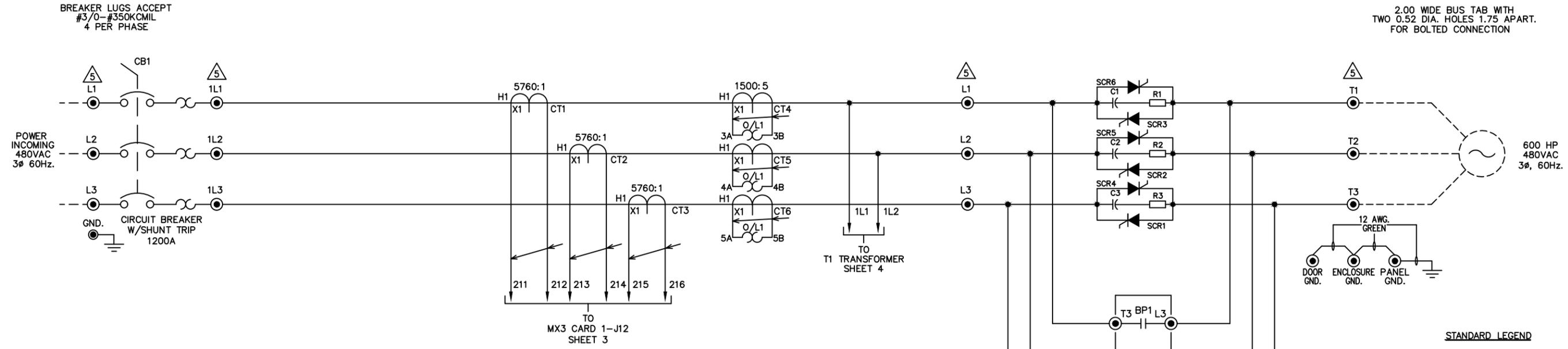
LOC-OFF-REM FROM

LOCAL-OFF-REMOTE

REV 16

RX3E60048012KP

2.00 WIDE BUS TAB WITH TWO 0.52 DIA. HOLES 1.75 APART. FOR BOLTED CONNECTION



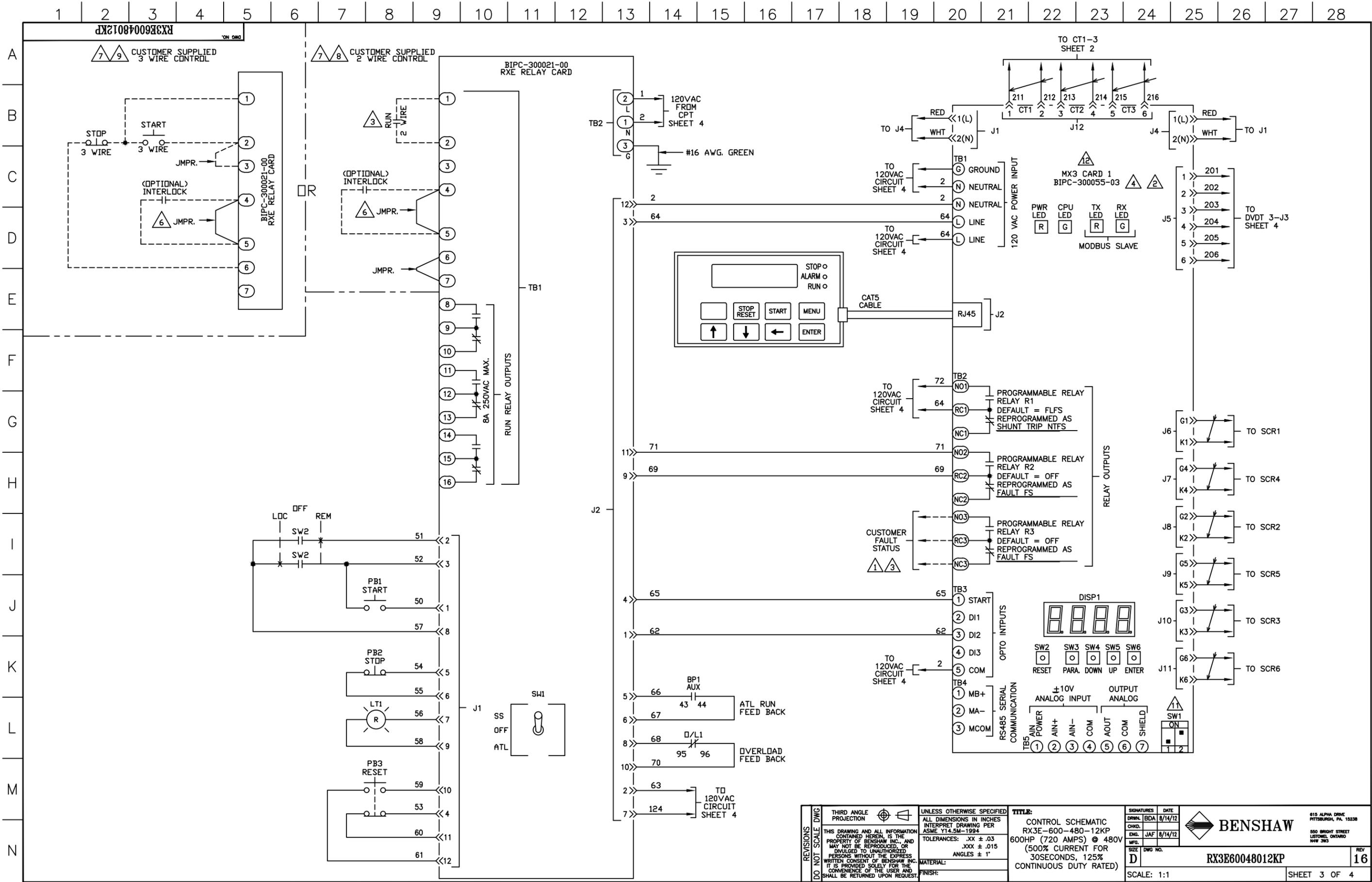
- NOTES**
1. FAILSAFE FAULT RELAY SHOWN IN DE-ENERGIZED STATE. RELAY WILL ENERGIZE WHEN CONTROL POWER IS APPLIED TO CONTROL CARD, AND WILL REMAIN ENERGIZED WHEN NO FAULTS ARE PRESENT. RELAY WILL DE-ENERGIZE WHEN A FAULT OCCURS, OR IF CONTROL POWER IS REMOVED FROM THE CARD
  2. REFER TO INSTRUCTION MANUAL 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 = 5760:1

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

- 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

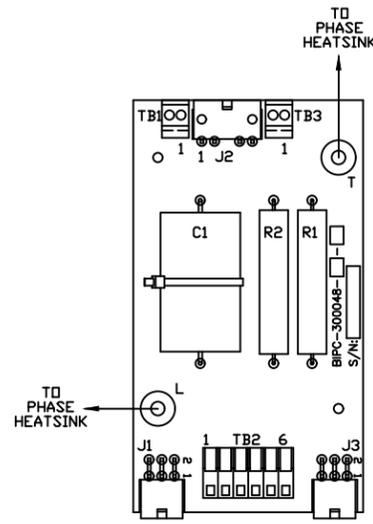
REVISIONS DO NOT SCALE DWG	THIRD ANGLE PROJECTION	UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS IN INCHES INTERPRET DRAWING PER ASME Y14.5M-1994	TITLE: POWER SCHEMATIC RX3E-600-480-12KP 600HP (720 AMPS) @ 480V (500% CURRENT FOR 30SECONDS, 125% CONTINUOUS DUTY RATED)	SIGNATURES DATE DRWN: BDA 8/14/12 ENG: JAF 8/14/12 MFG:	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.	TOLERANCES: .XX ± .03 .XXX ± .015 ANGLES ± 1°	MATERIAL: FINISH:	SIZE DWG NO. D	REV 16
	SCALE: 1:1			SHEET 2 OF 4	
	BENS HAW			RX3E60048012KP	



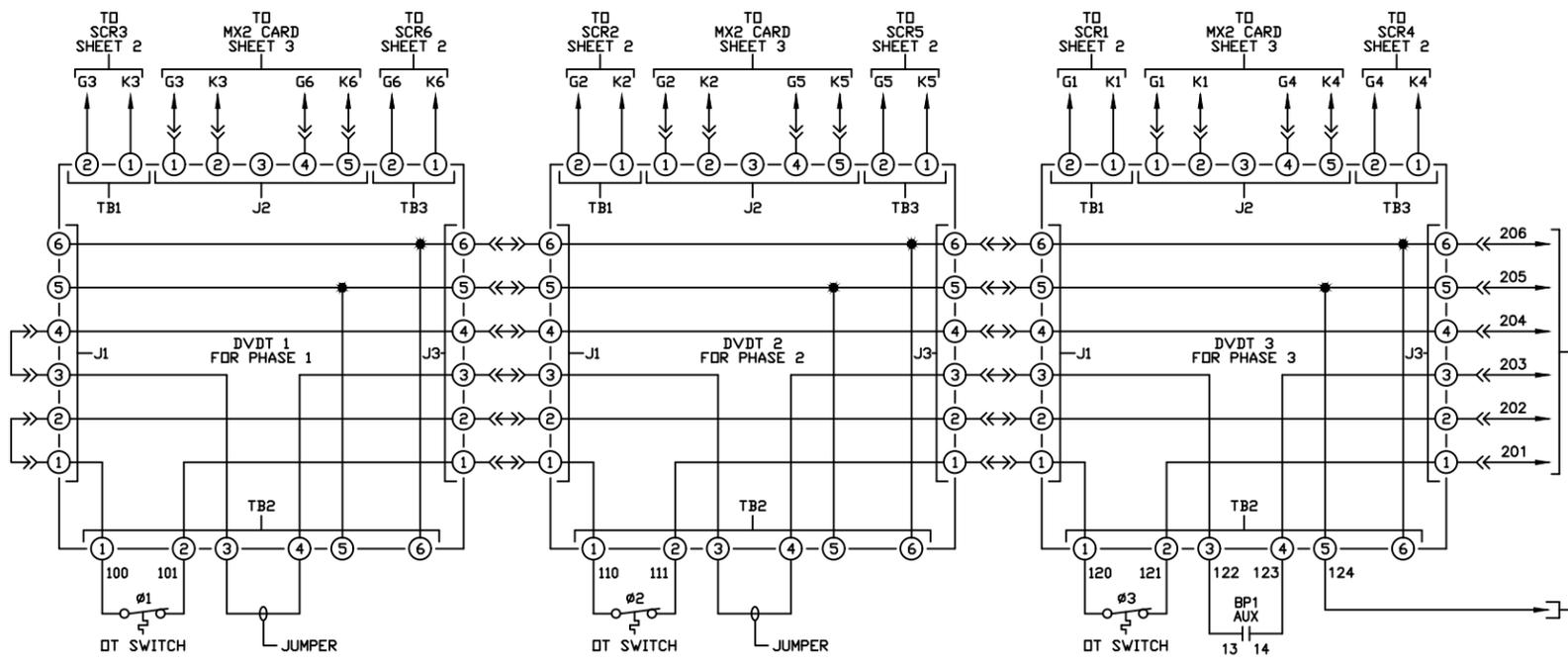
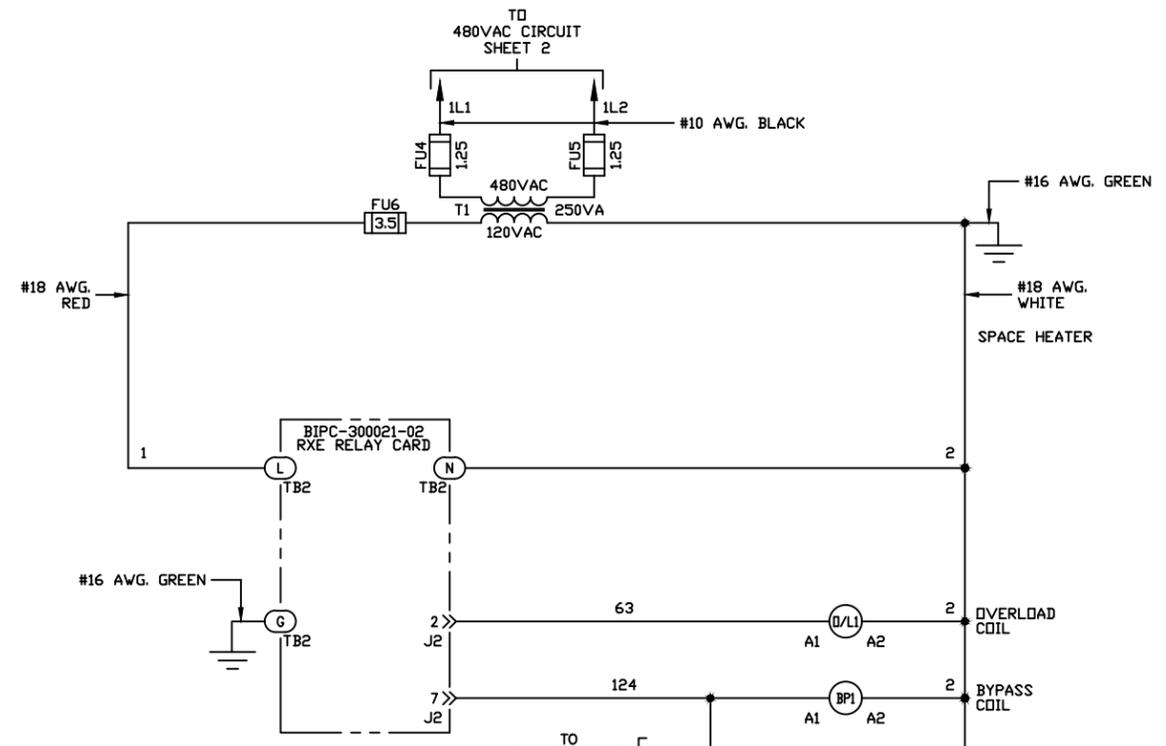
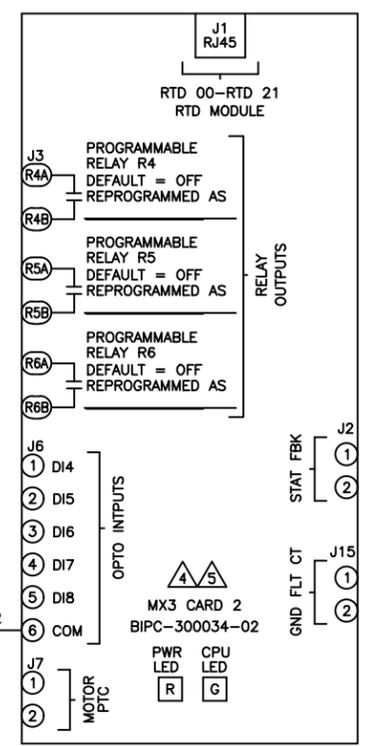
<b>REVISIONS</b> DO NOT SCALE DWG	THIRD ANGLE PROJECTION	UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS IN INCHES INTERPRET DRAWING PER ASME Y14.5M-1994 TOLERANCES: .XX ± .03 .XXX ± .015 ANGLES ± 1°	<b>TITLE:</b> CONTROL SCHEMATIC RX3E-600-480-12KP 600HP (720 AMPS) @ 480V (500% CURRENT FOR 30SECONDS, 125% CONTINUOUS DUTY RATED)	SIGNATURES: BDA DATE: 8/14/12	615 ALPHA DRIVE PITTSBURGH, PA. 15238 550 BRIGHT STREET LISTONEL, 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:		CHD: BDA ENG: JAF MFG:	DATE: 8/14/12
	FINISH:		MATERIAL:	FINISH:		DWG NO.	REV
	FINISH:		MATERIAL:	FINISH:		DWG NO.	REV

RX3E60048012KP

ON ON

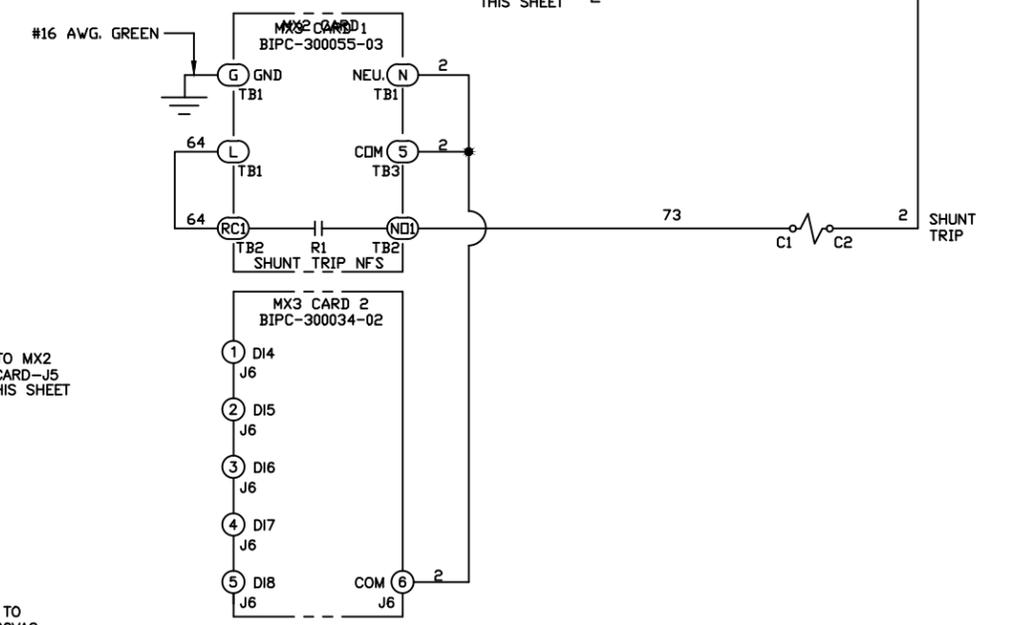


TO 120VAC CIRCUIT SHEET 4



TO MX2 CARD SHEET 3

TO 120VAC CIRCUIT THIS SHEET



<b>REVISIONS</b> 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-600-480-12KP 600HP (720 AMPS) @ 480V (500% CURRENT FOR 30SECONDS, 125% CONTINUOUS DUTY RATED)	SIGNATURES DATE DRWN: BDA 8/14/12 ENG: JAF 8/14/12 MFG:	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.		SIZE DWG NO. D	REV 16	
	SCALE: 1:1		SHEET 4 OF 4		
	MATERIAL:		FINISH:		