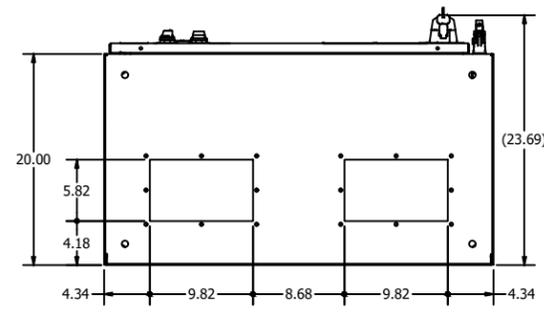
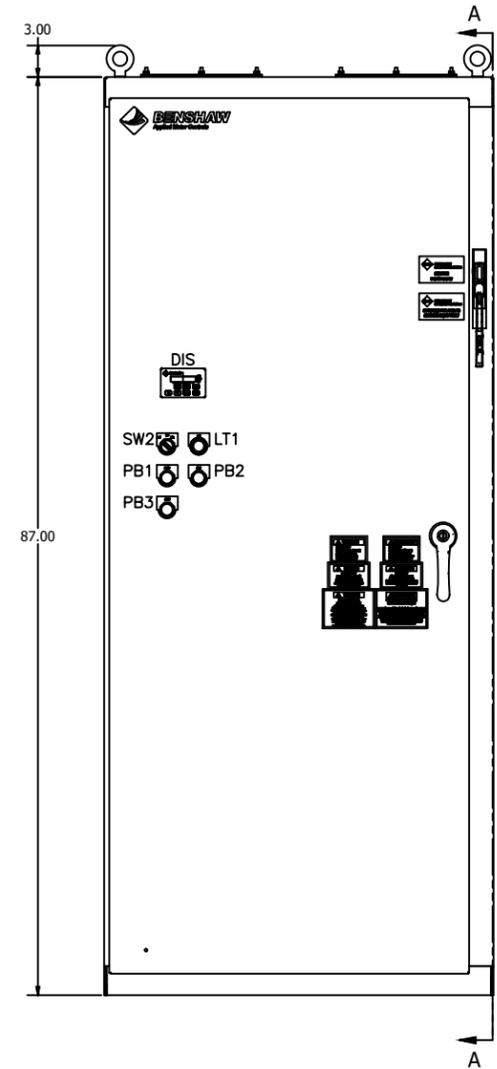
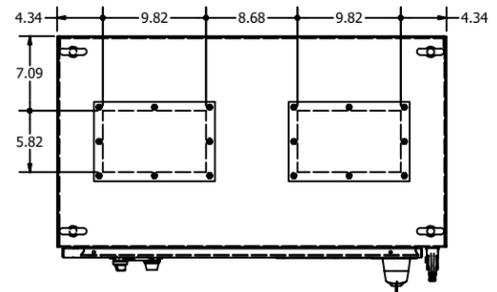


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RX3E50048012KP

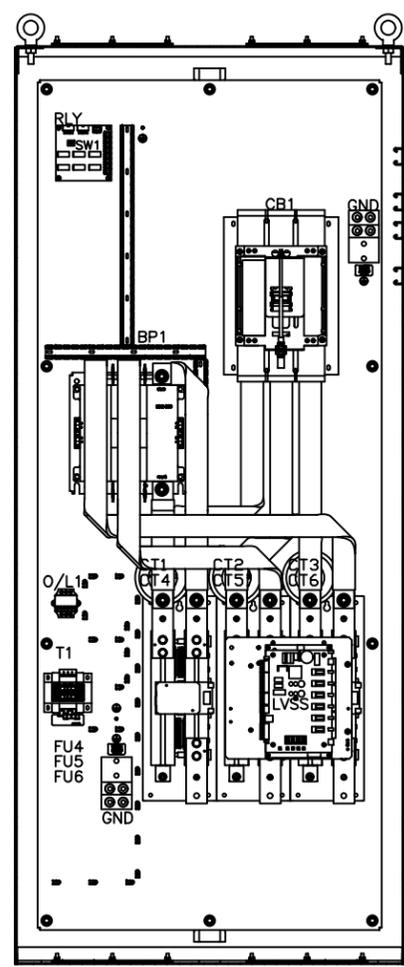


LEGEND

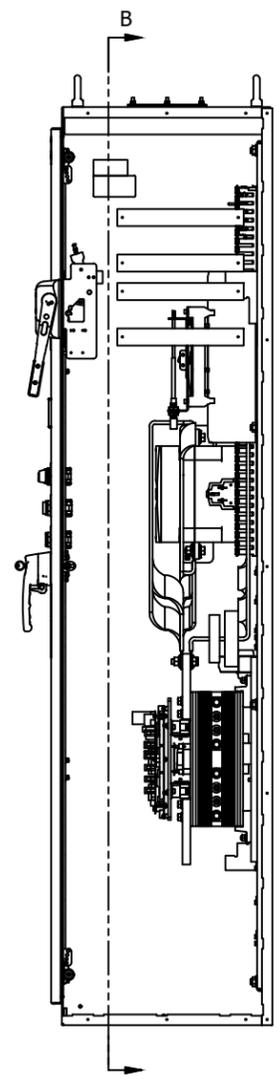
- CBI: CIRCUIT BREAKER
- GND: GROUND LUGS
- LVSS: RB2 POWER STACK
- CT1-3: CONTROL CARD CT'S
- BP1: ATTL/BYPASS CONTACTOR
- D/L1: OVERLOAD RELAY
- RLY: SS-ATL RELAY CARD
- SW1: SS-OFF-ATL SEL. SWITCH (RLY)
- PS1: PINSTRIP (3 POINT)
- T1: CONTROL POWER TRANSFORMER
- FU4-5: PRIMARY FUSING (T1)
- FU6: SECONDARY 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



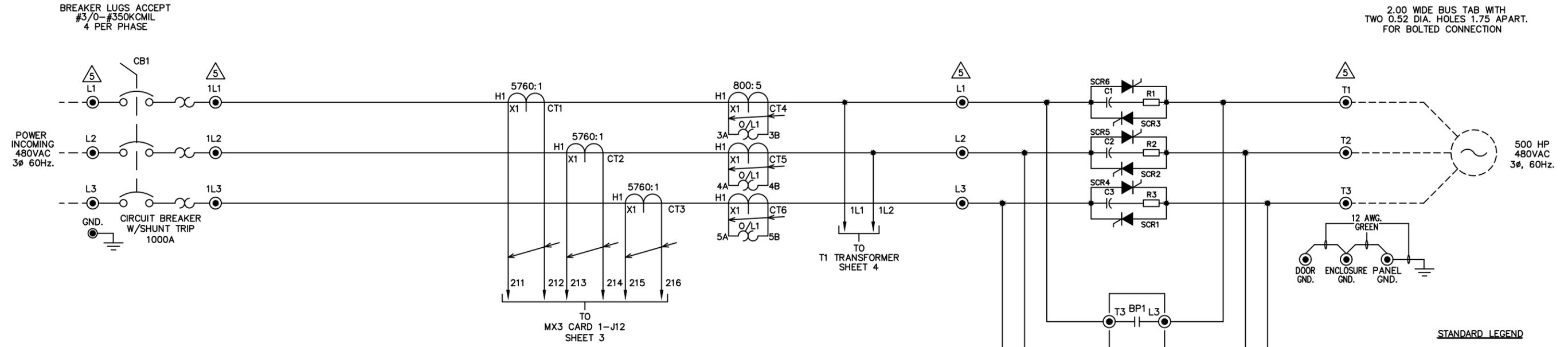
SECTION A-A
SCALE 1 / 8

ECO10855118	APPR: BDA 4/11/24	CHG BY: RWS 4/11/21	CHANGE CHANGED SW2 LEGEND TO FROM LOCAL-OFF-REMOTE	15	APPR: BDA 9/28/21	CHG BY: BDA 9/28/21	CHANGE CHANGED CIRCUIT BREAKER AND PILOT DEVICES	13	APPR: BDA 3/30/17	CHG BY: BDA 3/30/17	CHANGE ADD AUX CONTACT IN FRONT OF 8PT RELAY	12	APPR: AES 2/25/13	CHG BY: BDA 2/25/13	CHANGE CHANGED CUSTOMER CONNECTION CARD NUMBER SHEET 3	11	APPR: AES 11/12/12	CHG BY: BDA 11/12/12	CHANGE CHANGED BREAKER TO SENSIRON E3796	10	APPR: JAF 8/14/12	CHG BY: BDA 8/14/12	CHANGE REVISED PER WAVE PROJECT. REV TO INITIAL RELEASE	9	APPR: BDA 11/12/12	CHG BY: BDA 11/12/12	CHANGE CHANGED BREAKER TO SENSIRON E3796	8	APPR: JAF 8/14/12	CHG BY: BDA 8/14/12	CHANGE REVISED PER WAVE PROJECT. REV TO INITIAL RELEASE	7	APPR: BDA 11/12/12	CHG BY: BDA 11/12/12	CHANGE CHANGED BREAKER TO SENSIRON E3796	6	APPR: JAF 8/14/12	CHG BY: BDA 8/14/12	CHANGE REVISED PER WAVE PROJECT. REV TO INITIAL RELEASE	5	APPR: BDA 11/12/12	CHG BY: BDA 11/12/12	CHANGE CHANGED BREAKER TO SENSIRON E3796	4	APPR: JAF 8/14/12	CHG BY: BDA 8/14/12	CHANGE REVISED PER WAVE PROJECT. REV TO INITIAL RELEASE	3	APPR: BDA 11/12/12	CHG BY: BDA 11/12/12	CHANGE CHANGED BREAKER TO SENSIRON E3796	2	APPR: JAF 8/14/12	CHG BY: BDA 8/14/12	CHANGE REVISED PER WAVE PROJECT. REV TO INITIAL RELEASE	1	APPR: BDA 11/12/12	CHG BY: BDA 11/12/12	CHANGE CHANGED BREAKER TO SENSIRON E3796	0	APPR: JAF 8/14/12	CHG BY: BDA 8/14/12	CHANGE REVISED PER WAVE PROJECT. REV TO INITIAL RELEASE
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THIRD ANGLE PROJECTION		UNLESS OTHERWISE SPECIFIED		TITLE: ENCLOSURE LAYOUT RX3E-500-480-12KP 500HP (590 AMPS) @ 480V (500% CURRENT FOR 30SECONDS, 125% CONTINUOUS DUTY RATED)	
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.		ALL DIMENSIONS IN INCHES INTERPRET DRAWING PER ASME Y14.5M-1994 TOLERANCES: .XX ± .03 .XXX ± .015 ANGLES ± 1°		MATERIAL: FINISH:	
SIGNATURES		DATE			
DRWN: BDA		8/14/12		615 ALPHA DRIVE PITTSBURGH, PA. 15238 550 BRIGHT STREET LISTOWEL, ONTARIO M4W 3W5	
ENGR: JAF		8/14/12		SIZE: D DWG NO.: RX3E50048012KP SCALE: 1:8	
MFG:				REV: 16 SHEET 1 OF 4	

RX3E50048012KP

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



STANDARD LEGEND

- WIRE NODE SYMBOL MAY HAVE TERMINAL BLOCK
- BENSRAW SUPPLIED TERMINAL BLOCK
- TERMINAL STRIP
- POWER CONNECTION
- PC BOARD TERMINALS
- TWISTED PAIR
- TWISTED SHIELDED PAIR
- SHIELDED WIRE
- FIELD WIRING

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

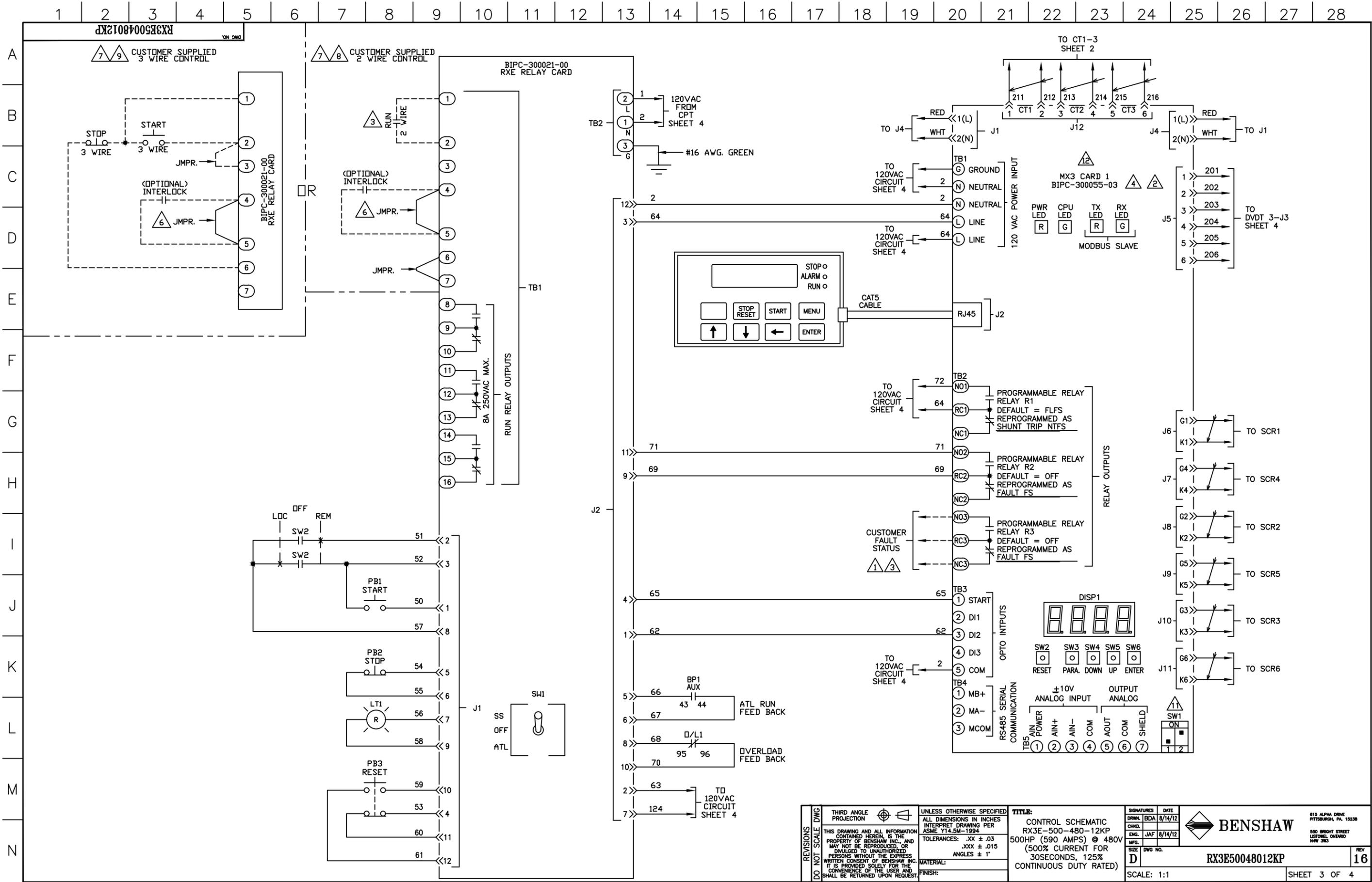
CHART 1

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	TITLE:	SIGNATURES	DATE	
	THIS DRAWING AND ALL INFORMATION CONTAINED HEREIN IS THE PROPERTY OF BENSRAW INC. AND MAY NOT BE REPRODUCED, OR DIVULGED TO UNAUTHORIZED PERSONS WITHOUT THE EXPRESS WRITTEN CONSENT OF BENSRAW INC. IT IS PROVIDED SOLELY FOR THE CONVENIENCE OF THE USER AND SHALL BE RETURNED UPON REQUEST.	ALL DIMENSIONS IN INCHES INTERPRET DRAWING PER ASME Y14.5M-1994	TOLERANCES: .XX ± .03 .XXX ± .015 ANGLES ± 1°	POWER SCHEMATIC RX3E-500-480-12KP 500HP (590 AMPS) @ 480V (500% CURRENT FOR 30SECONDS, 125% CONTINUOUS DUTY RATED)	DRWN: BDA	8/14/12
				ENG: JAF	8/14/12	
				MFG:		
				SIZE	DWG NO.	
				D		
				SCALE: 1:1	SHEET 2 OF 4	



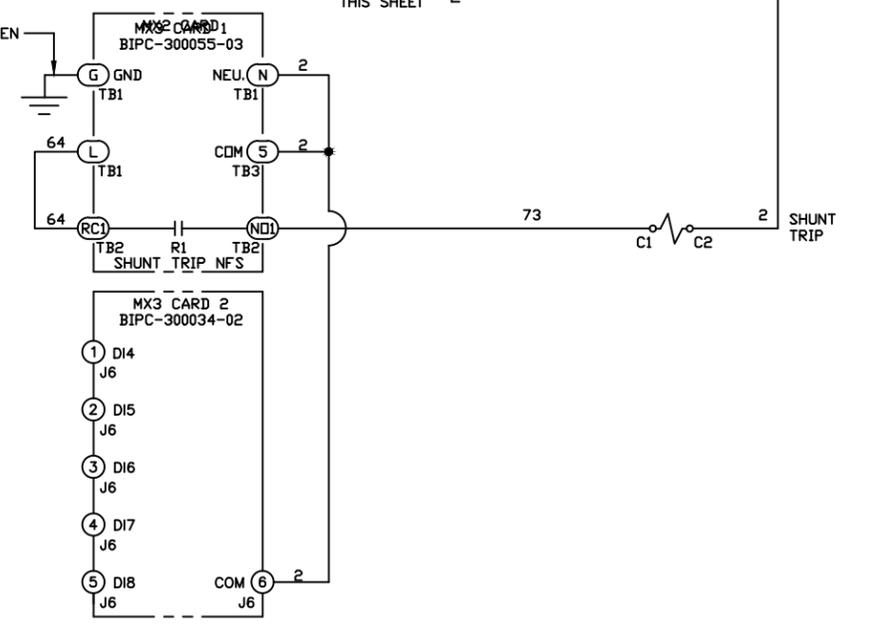
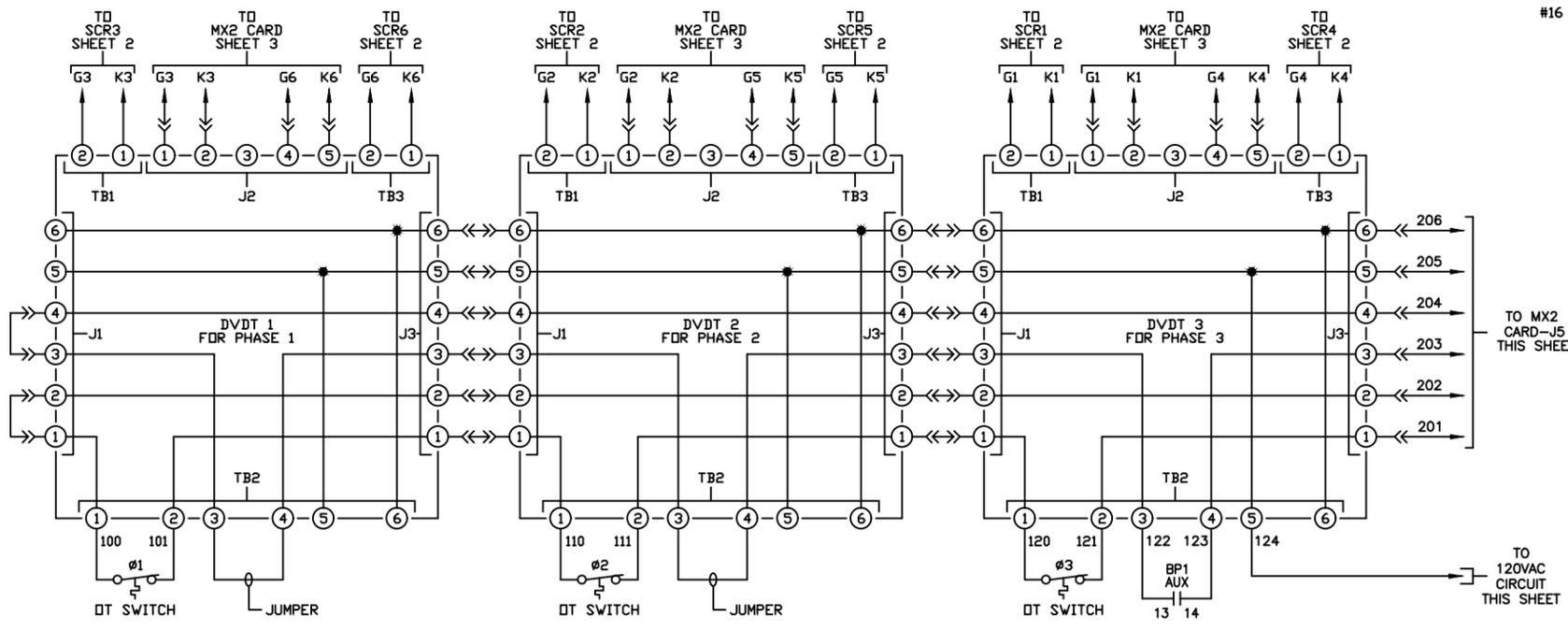
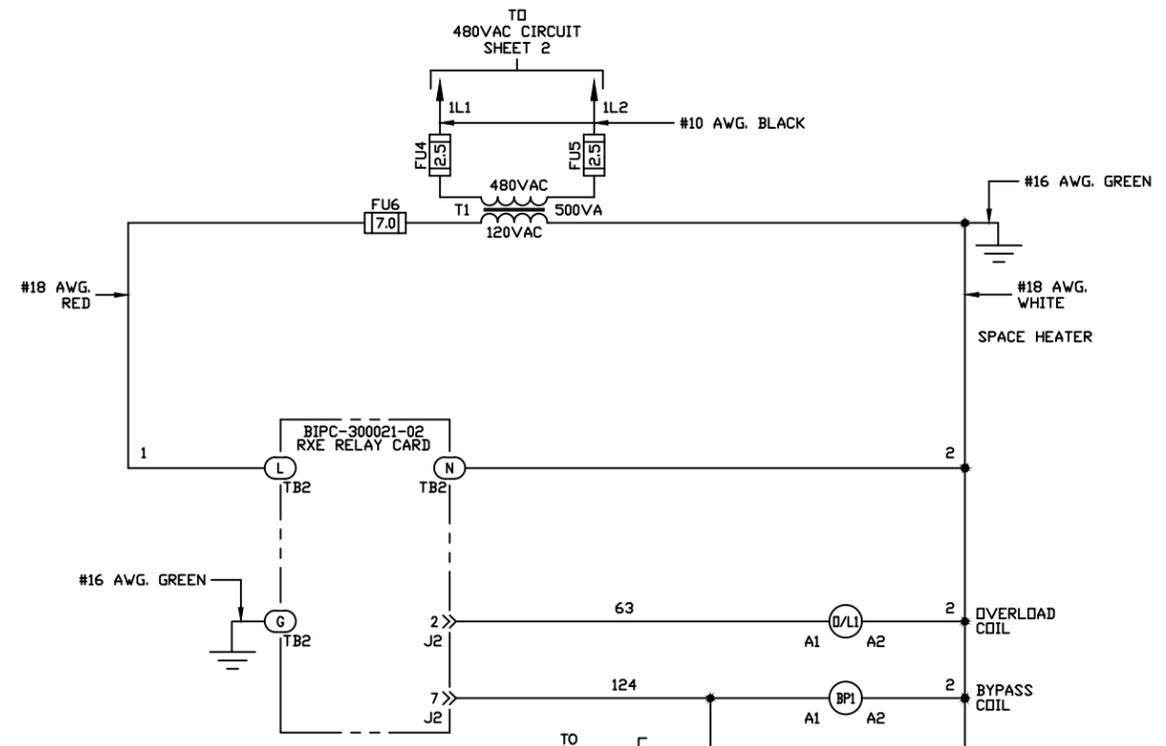
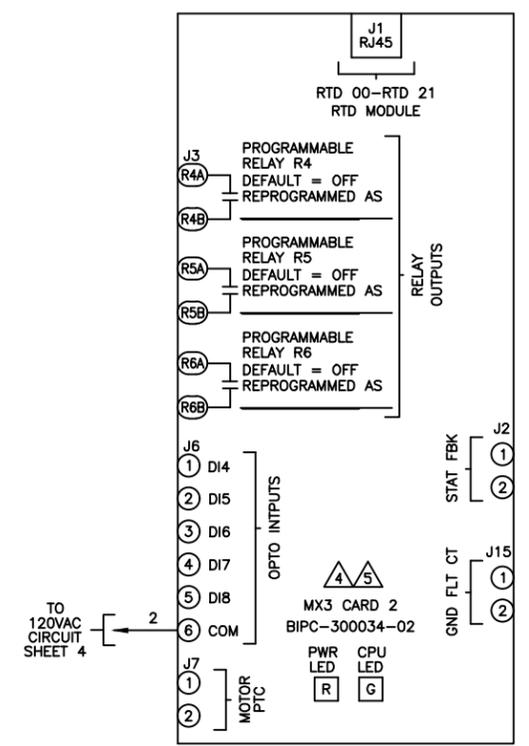
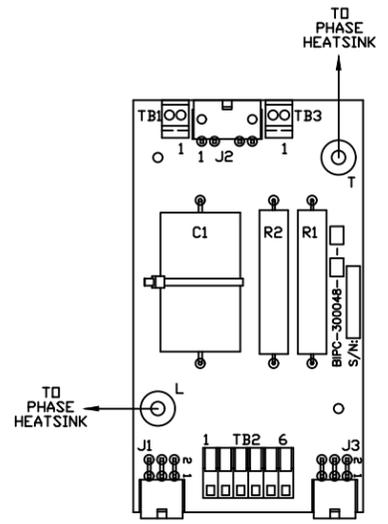
RX3E50048012KP 16



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-500-480-12KP 500HP (590 AMPS) @ 480V (500% CURRENT FOR 30SECONDS, 125% CONTINUOUS DUTY RATED)		SIGNATURES DATE DRWN: BDA 8/14/12 ENG: JAF 8/14/12 MFD:	
	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.		615 ALPHA DRIVE PITTSBURGH, PA. 15238 550 BRIGHT STREET LISTOWEL, ONTARIO M4W 3W5			
	MATERIAL:		FINISH:		DWG NO. RX3E50048012KP	
	SCALE: 1:1		SHEET 3 OF 4		REV 16	

RX3E50048012KP

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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-500-480-12KP 500HP (590 AMPS) @ 480V (500% CURRENT FOR 30SECONDS, 125% CONTINUOUS DUTY RATED)	SIGNATURES DRWN: BDA ENG: JAF MFG:	DATE 8/14/12 8/14/12	BENSCHAW 615 ALPHA DRIVE PITTSBURGH, PA. 15238 550 BRIGHT STREET LISTON, ONTARIO N4W 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.		MATERIAL:	FINISH:	SIZE D		DWG NO. RX3E50048012KP	REV 16
	SCALE: 1:1			SHEET 4 OF 4				
	SHEET 4 OF 4							