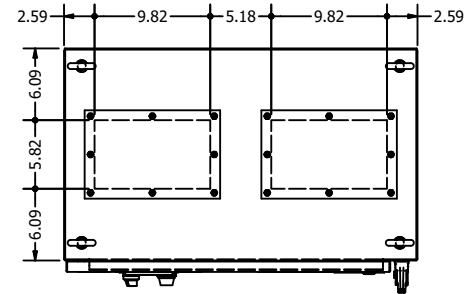
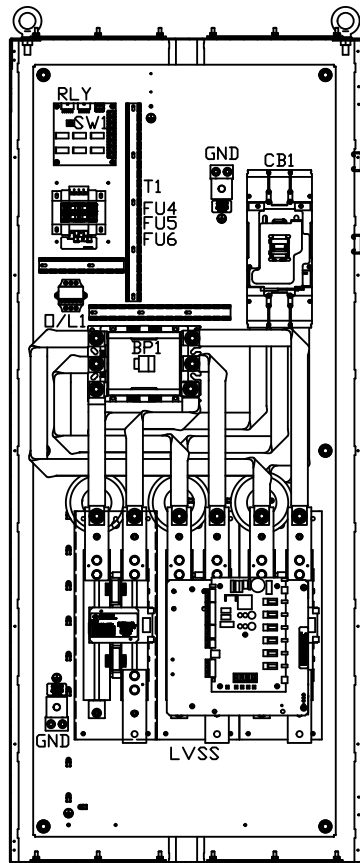
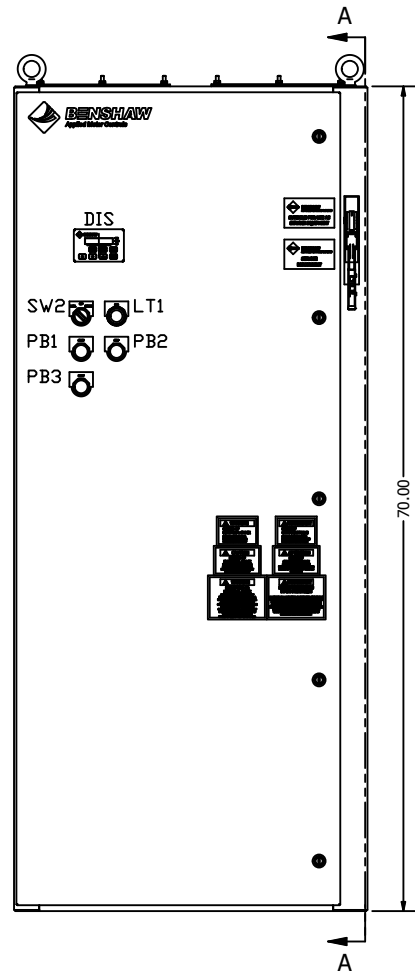


RX2E-250-480-12KP

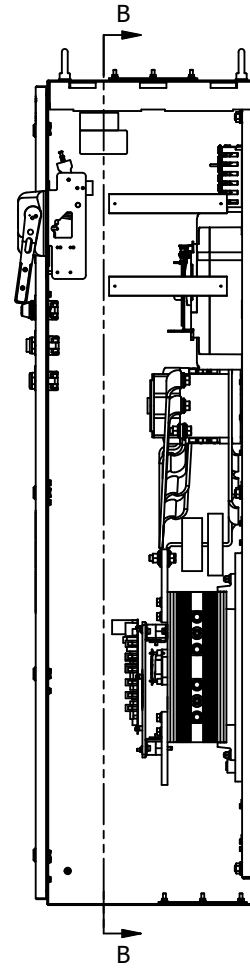


LEGEND

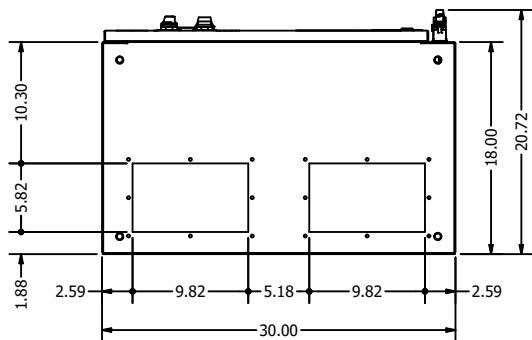
- | | | | |
|--------|------------------------------|------|------------------------------|
| CB1: | CIRCUIT BREAKER | DIS: | DOOR MOUNTED KEYPAD |
| GND: | GROUND LUGS | PB1: | START PUSHBUTTON |
| LVSS: | RB2 POWER STACK | PB2: | STOP PUSHBUTTON |
| CT1-3: | CONTROL CARD CT'S | PB3: | RESET PUSHBUTTON |
| BP1: | ATL/BYPASS CONTACTOR | SW2: | LOCAL-OFF-REMOTE SEL. SWITCH |
| O/L1: | OVERLOAD RELAY | LT1: | RUNNING PILOT LIGHT |
| 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) | | |



SECTION B-B
SCALE 1/8



SECTION A-A
SCALE 1/8



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.

15	APPRD: BDA 10/15/21 CHG BY: BDA 10/15/21 CHANGE: CHANGED CIRCUIT BREAKER AND PILOT DEVICES
14	APPRD: BDA 4/17/19 CHG BY: BDA 4/17/19 CHANGE: CHANGED TO 3VA BREAKER
12	E:4105 APPRD: AES 2/25/13 CHG BY: BDA 2/25/13 CHANGE: CHANGED CIRCUIT CONNECTION DIAGRAM & RELAY CARD NUMBER SHEET 3
11	E:3930 APPRD: AES 11/12/12 CHG BY: BDA 11/12/12 CHANGE: CHANGED BREAKER TO SENTRON E3796
10	APPRD: JAF 8/14/12 CHG BY: BDA 8/14/12 CHANGE: REVISED PER WAVE PROJECT REV 10 INITIAL RELEASE

THIRD ANGLE PROJECTION	
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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
RX2E-250-480-12KP
250HP (302 AMPS) @ 480V
(500% CURRENT FOR
30SECONDS, 125%
CONTINUOUS DUTY RATED)

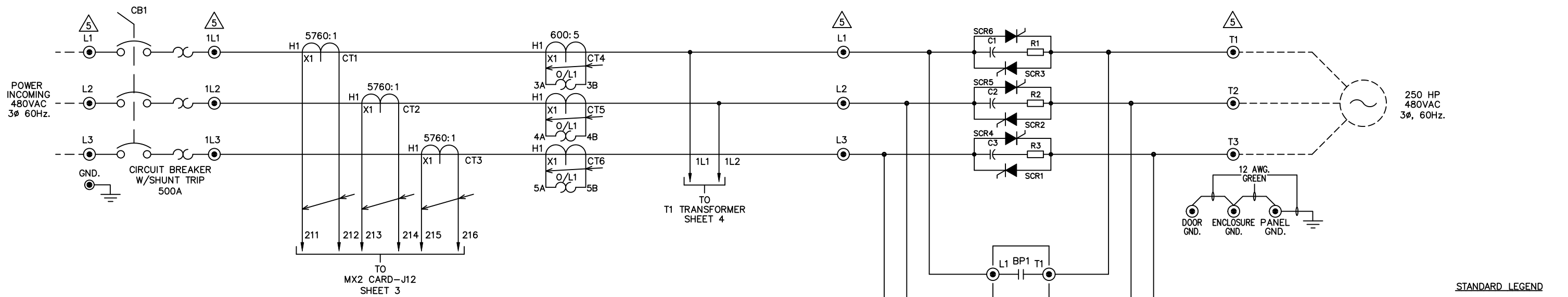
SIGNATURES	DATE
DRWN: BDA	8/14/12
CHKD:	
ENG: JAF	8/14/12
MFG:	
SIZE	DWG NO.
D	RX2E-250-480-12KP

	615 ALPHA DRIVE PITTSBURGH, PA. 15238
	500 BRIGHT STREET LISTOWEL, ONTARIO M4W 3W3
SCALE: 1:8	SHEET 1 OF 4

RX2E-250-480-12KP ON DWG

BREAKER LUGS ACCEPT
WIRE SIZE RANGE: (2) 2/0-350KCMIL TIGHTENING TORQUE: 358.5LB-IN (40.5Nm)

LOAD CONNECTIONS
2.00 WIDE BUS TAB WITH TWO 0.52 DIA. HOLE FOR BOLTED CONNECTION 1.75 APPART.



- 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

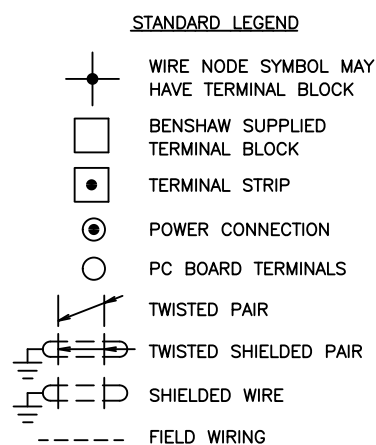


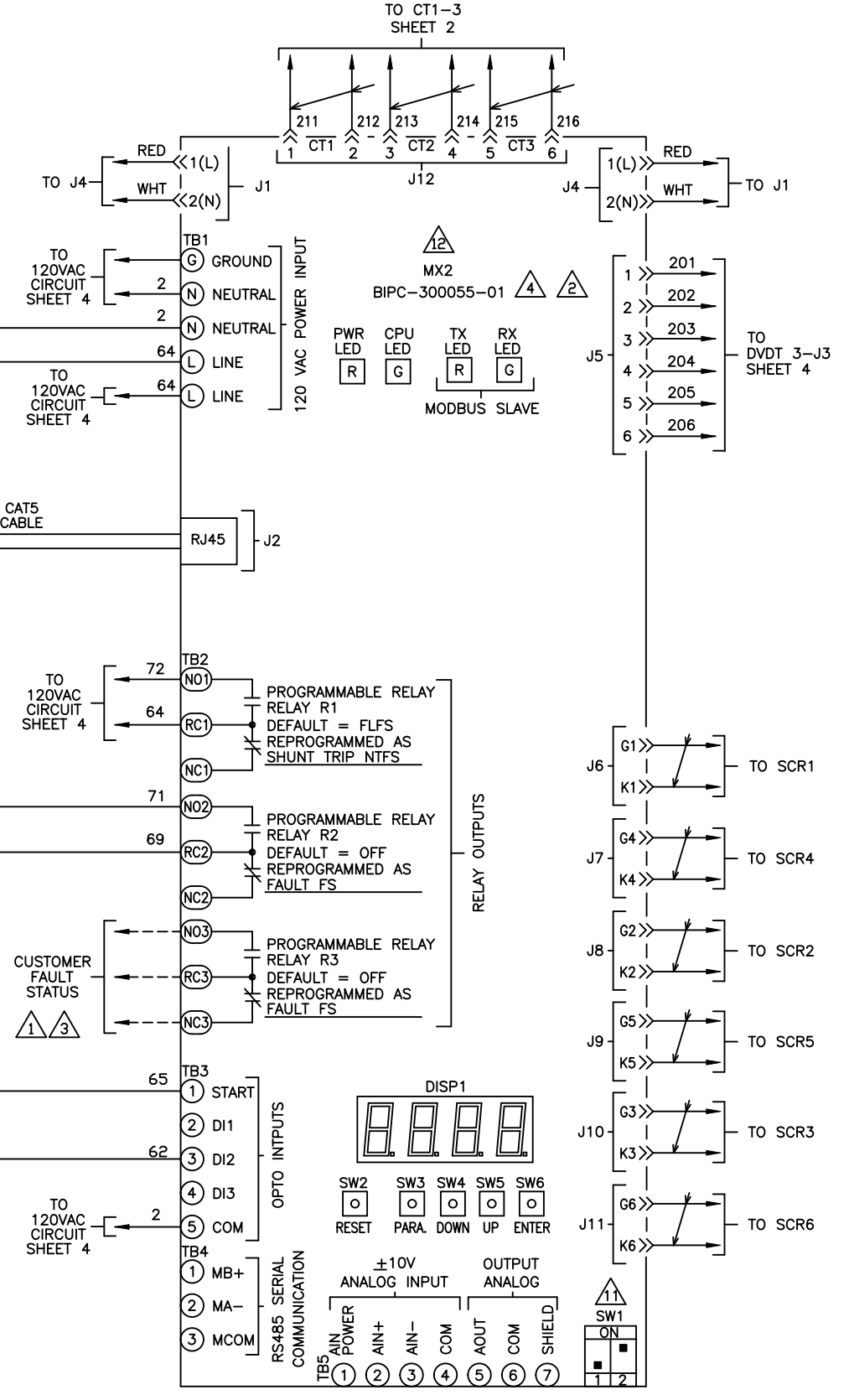
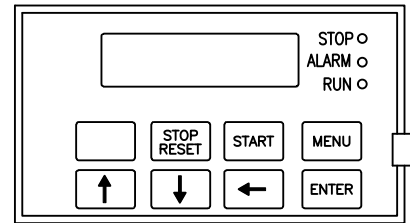
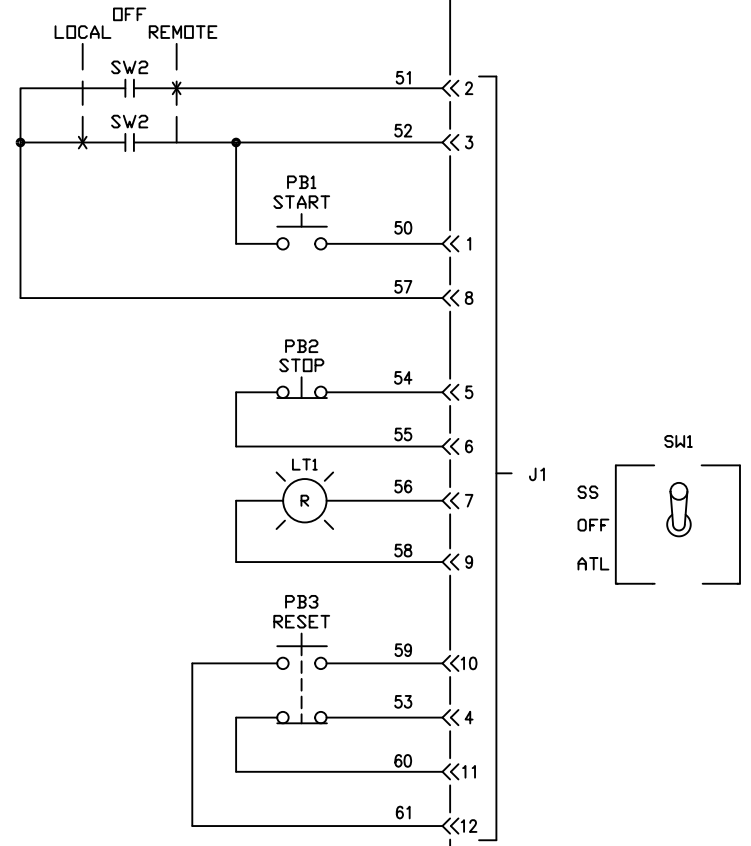
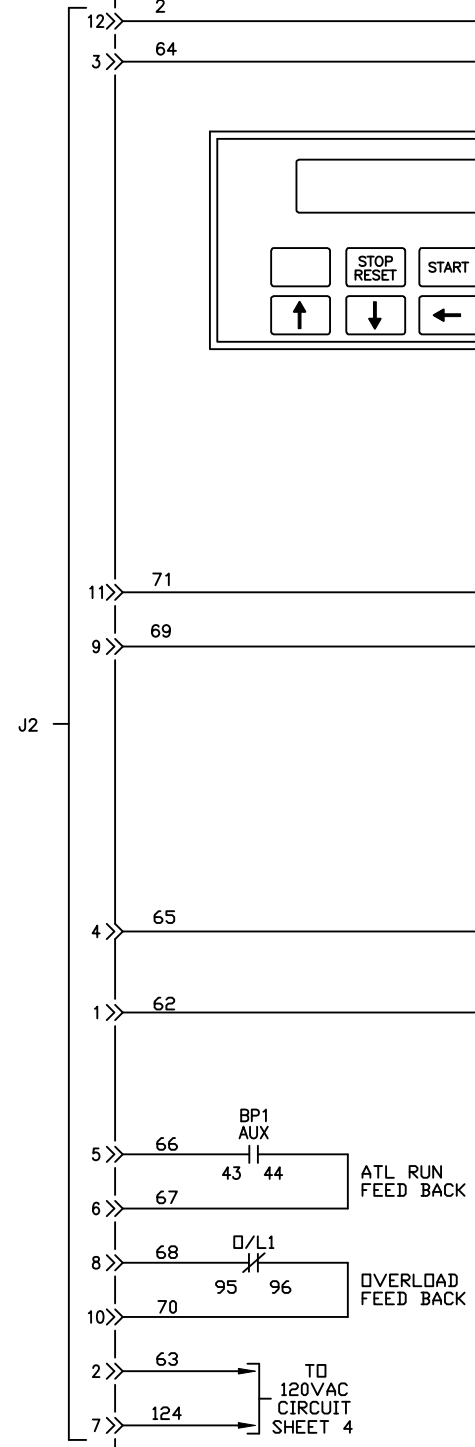
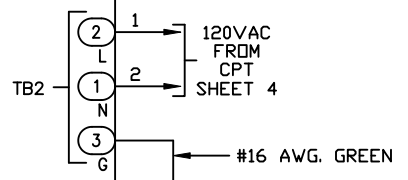
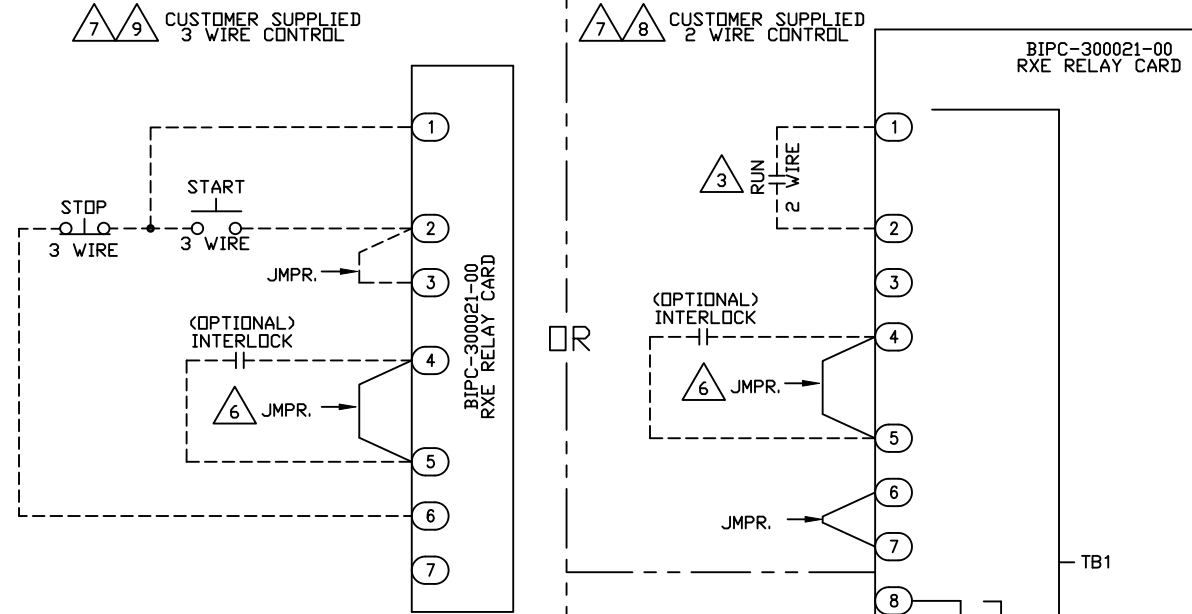
CHART 1
TIGHTENING TORQUE SPECIFICATIONS FOR HEX HEAD SCREWS

BOLT SIZE SAE	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-250-480-12KP 250HP (302 AMPS) @ 480V (500% CURRENT FOR 30SECONDS, 125% CONTINUOUS DUTY RATED)	SIGNATURES DRWN: BDA 8/14/12 CHKD: ENG: JAF 8/14/12 MFG:	DATE	 BENSHAW 615 ALPHA DRIVE PITTSBURGH, PA. 15238 500 BRIGHT STREET LISTOWEL, ONTARIO M4W 3W3
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	MATERIAL: FINISH:		SCALE: 1:1	SHEET 2 OF 4		

RX2E-250-480-12KP

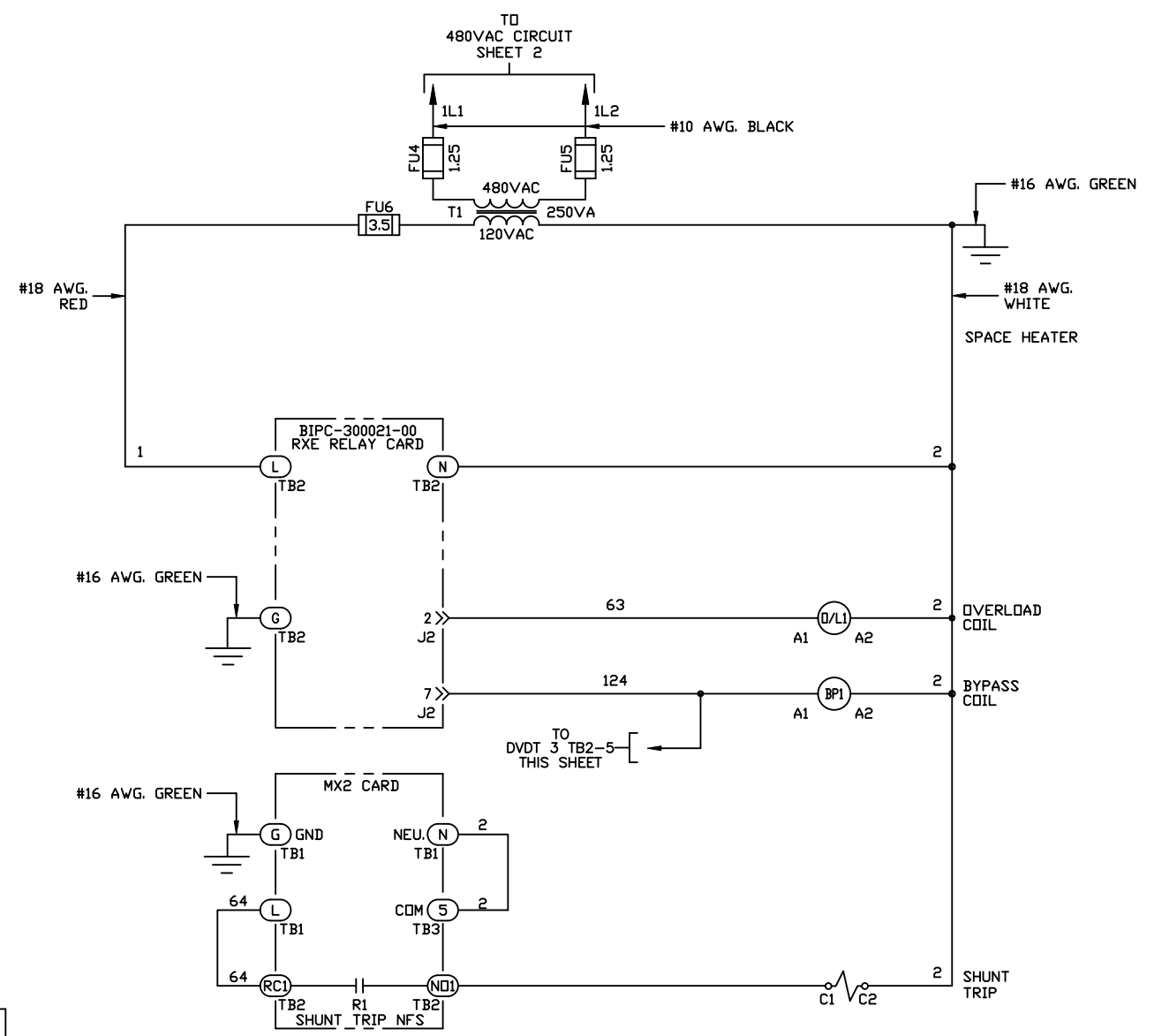
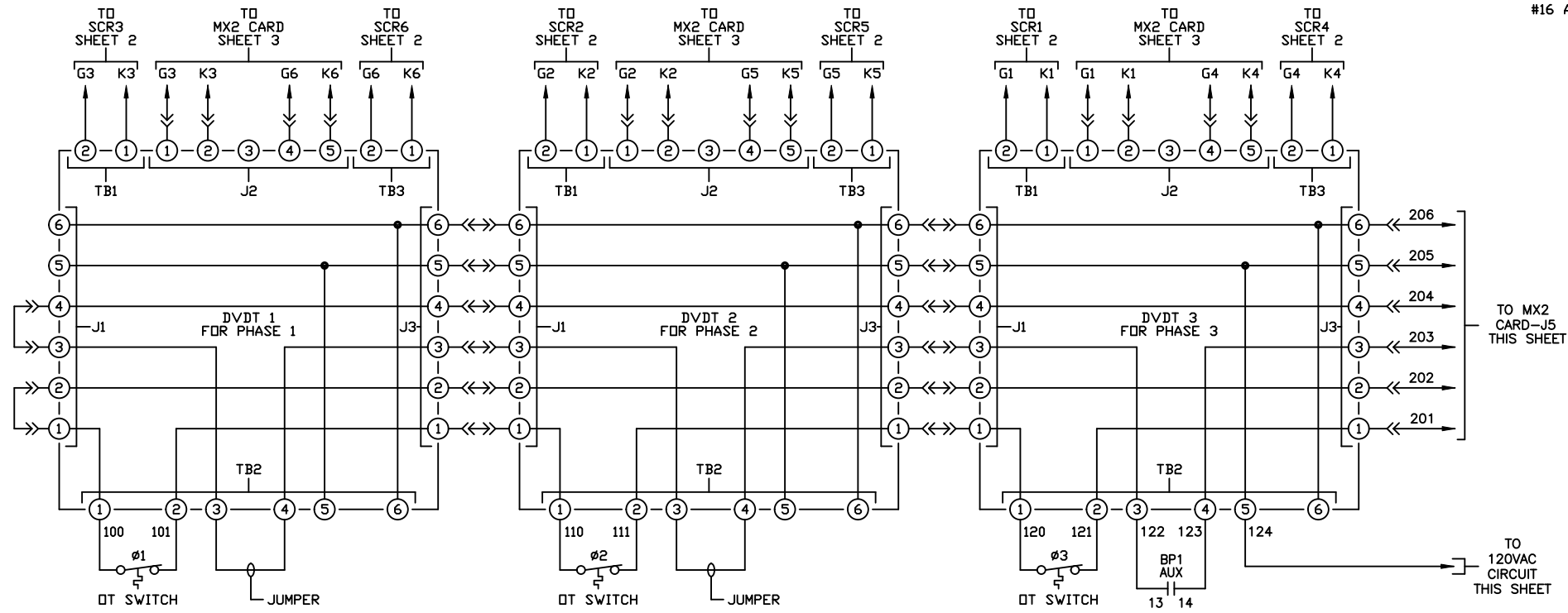
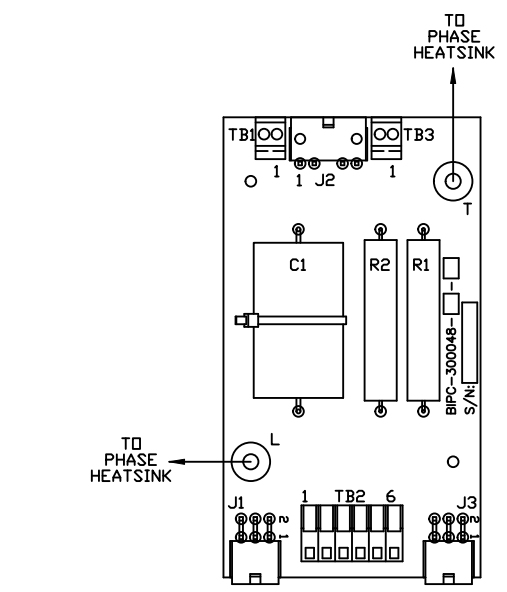
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REVISIONS DO NOT SCALE DWG	THIRD ANGLE PROJECTION	UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS IN INCHES INTERPRET DRAWING PER ASME Y14.5M-1994	TITLE: CONTROL SCHEMATIC RX2E-250-480-12KP 250HP (302 AMPS) @ 480V (500% CURRENT FOR 30SECONDS, 125% CONTINUOUS DUTY RATED)	SIGNATURES DATE DRWN. BDA 8/14/12 CHKD. JAF 8/14/12 ENG. JAF 8/14/12 MFG. JAF 8/14/12	BENS HAW 615 ALPHA DRIVE PITTSBURGH, PA. 15238 500 BRIGHT STREET LISTOWEL, ONTARIO M4W 3W3
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	SCALE: 1:1	SHEET 3 OF 4	REV 15		

RX2E-250-480-12KP
ON DWG

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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	TITLE: CONTROL SCHEMATIC RX2E-250-480-12KP 250HP (302 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.	615 ALPHA DRIVE PITTSBURGH, PA. 15238 500 BRIGHT STREET LISTOWEL, ONTARIO M4W 3W3	
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	SCALE: 1:1			SHEET 4 OF 4		
	BENSCHAW					