



by Schneider Electric

Job Name: LIEBERT BO-36222
Job Location: DEARBORN, MI

Square D Quotation #: 33738922

Quotation Revision #:

Sales Contact: JD

Sales Contact Location: 333

Purchaser: LIEBERT CORPORATION
Purchaser PO #: P44018267

Customer: LIEBERT CORP.

Customer PO #:

User: LIEBERT CORP.
User Location:

Architect: LIEBERT CORP.

Cons. Engineer:

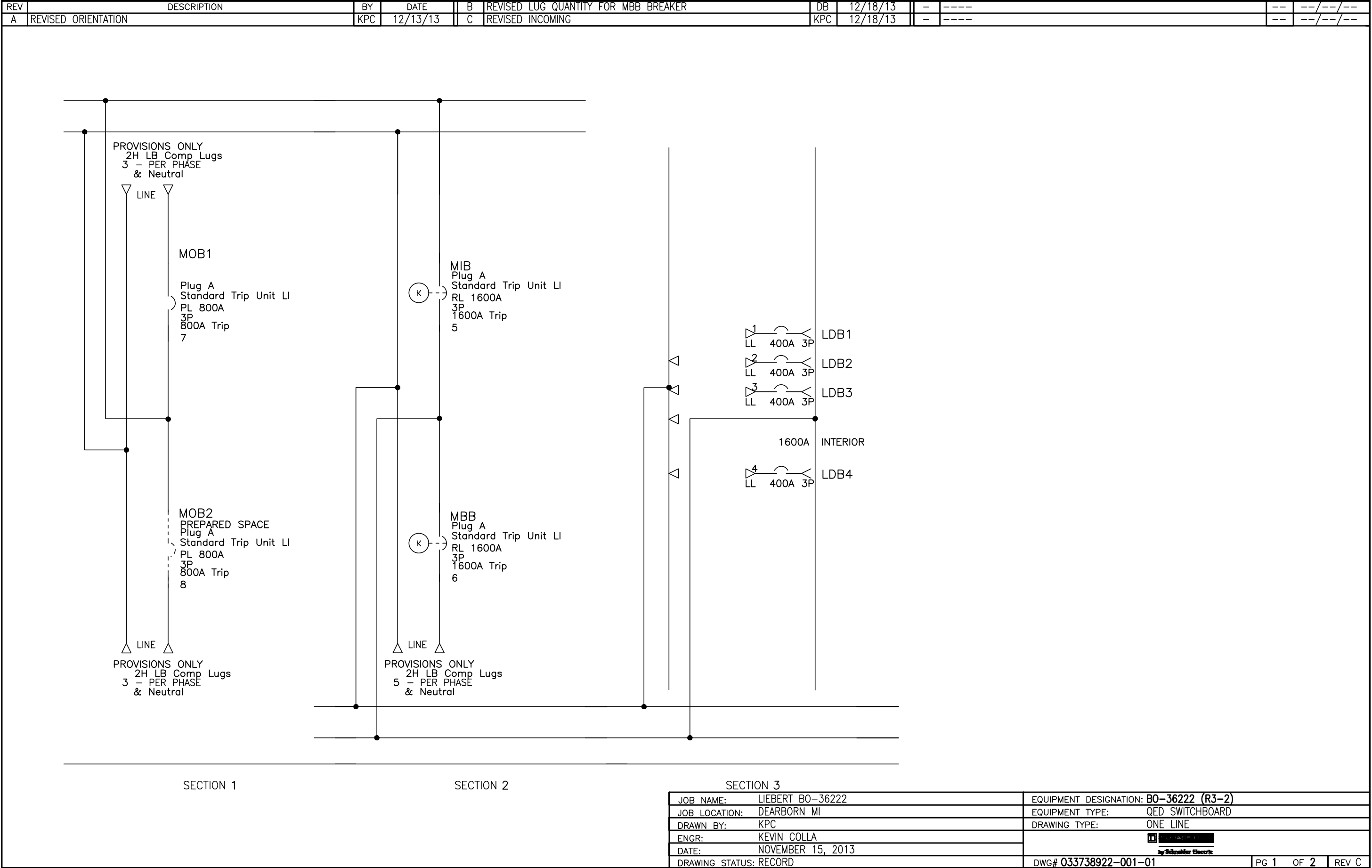
Drawing Status: RECORD

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REV	DESCRIPTION							BY	DATE	-	----	--	--/--/--	-	----	--	--/--/--
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POWER STYLE QED-2 SWITCHBOARD

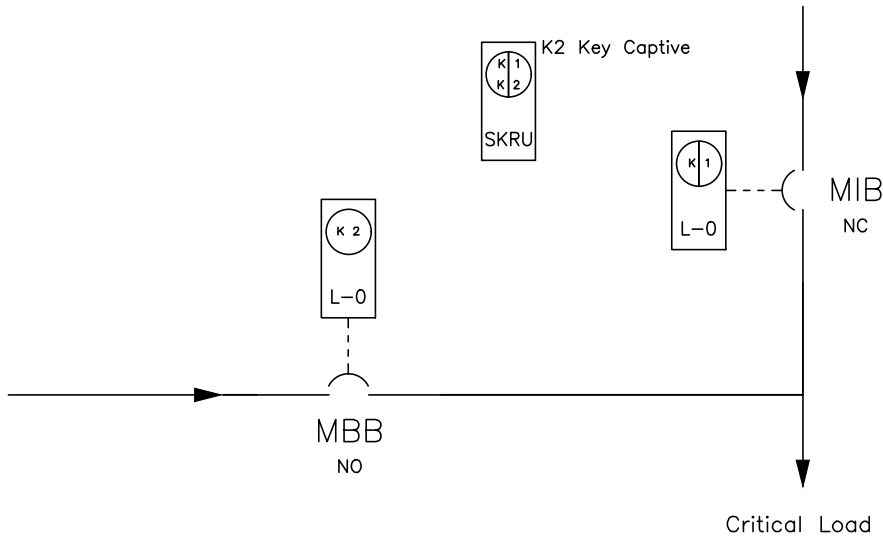
SECT NO	CKT NO	GMD HEIGHT	DEVICE/FRAME RATING	TRIP AMP	FUSE/TRIP	#P	DESIGNATION	N/P	LUG INFORMATION				ACCESSORIES
									QTY	PHASE WIRE RANGE	QTY	NEUT. WIRE RANGE	
1	7	-	PL 800A Plug A	800A	S-LI	3P	**	Yes	3	PROVISIONS ONLY	3	PROVISIONS ONLY	OF2
1	8	-	PL 800A (PS)	(800A)	(LI)	3P	**	Yes	3	PROVISIONS ONLY	3	PROVISIONS ONLY	
2	5	-	RL 1600A Plug A	1600A	S-LI	3P	**	Yes	-	-	-	-	KEY,OF2,MX1
2	6	-	RL 1600A Plug A	1600A	S-LI	3P	**	Yes	5	PROVISIONS ONLY	5	PROVISIONS ONLY	KEY,OF2,MX1
3	1	6 in	LL 400A	400A	S-LI	3P	**	Yes	2	3/0 - 500 kcmil	1	#4 - 600 kcmil	OF2
3	2	6 in	LL 400A	400A	S-LI	3P	**	Yes	2	3/0 - 500 kcmil	1	#4 - 600 kcmil	OF2
3	3	6 in	LL 400A	400A	S-LI	3P	**	Yes	2	3/0 - 500 kcmil	1	#4 - 600 kcmil	OF2
3	4	6 in	LL 400A	400A	S-LI	3P	**	Yes	2	3/0 - 500 kcmil	1	#4 - 600 kcmil	OF2

** SEE NAMEPLATE DRAWINGS

LEGEND	
KEY	Key Interlock
MX1	Shunt Trip
OF2	2 Form C Breaker Aux Contacts

JOB NAME:	LIEBERT B0-36222	EQUIPMENT DESIGNATION:	B0-36222 (R3-2)	
JOB LOCATION:	DEARBORN MI	EQUIPMENT TYPE:	QED SWITCHBOARD	
DRAWN BY:	KPC	DRAWING TYPE:	SCHEDULE	
ENGR:	KEVIN COLLA			
DATE:	NOVEMBER 15, 2013			
DRAWING STATUS:	RECORD			
DWG# 033738922-001-01		PG 2	OF 2	REV -

REV	DESCRIPTION	BY	DATE	-	----	--	--/--/--	-	----	--	--/--/--
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TRANSFER SEQUENCE INSTRUCTIONS

PERSONS NOT FAMILIAR WITH THE OPERATION OF THIS SYSTEM SHALL NOT ATTEMPT TO CHANGE THE POSITION OF ANY OF THESE DEVICES. FAILURE TO HEED THESE INSTRUCTIONS WILL RESULT IN A LOSS OF POWER AND POSSIBLE DAMAGE TO CRITICAL EQUIPMENT.

TRANSFERRING THE LOAD TO MAINTENANCE BYPASS

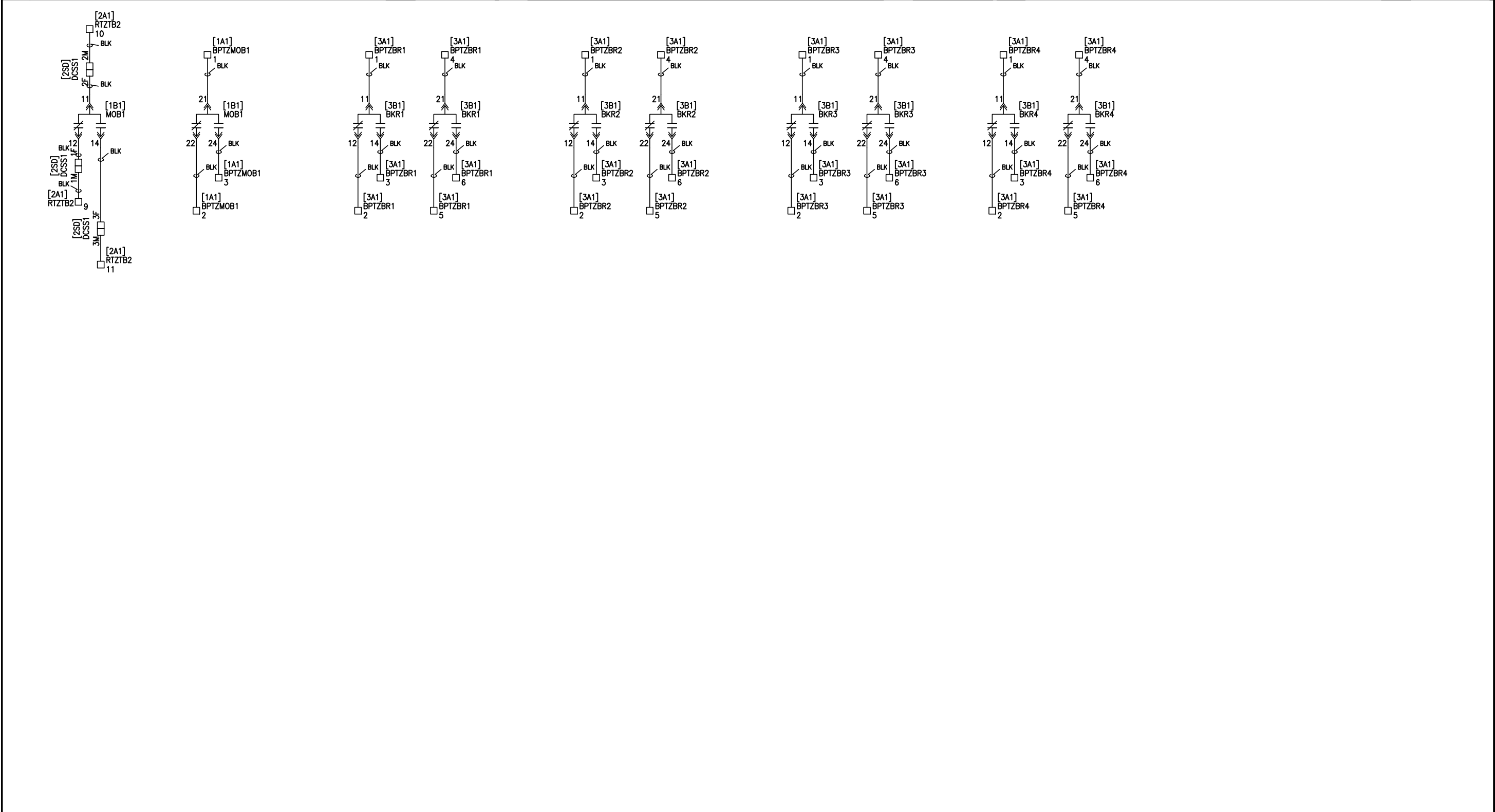
1. THE UPS SYSTEM MUST BE IN THE BYPASS MODE OF OPERATION PRIOR TO THE START OF ANY TRANSFERS. REFER TO THE LIEBERT INSTALLATION, OPERATION AND MAINTENANCE MANUAL FOR INSTRUCTIONS ON BYPASSING THE UPS MODULE.
2. WHEN THE INDICATOR BY THE SOLENOID UNIT IS ILLUMINATED, PRESS AND HOLD THE ADJACENT PUSH-BUTTON AND REMOVE THE KEY BY TURNING IT.
3. INSERT THE KEY INTO THE LOCK ON MBB (K2) AND TURN IT.
4. CLOSE MBB.
5. VERIFY MBB IS CLOSED. FAILURE TO CLOSE MBB WILL INTERRUPT POWER TO THE LOAD.
6. OPEN MIB.
7. REMOVE THE KEY FROM THE LOCK ON MIB (K1).
8. INSERT THE KEY INTO THE SOLENOID UNIT AND TURN.
9. THE UPS SYSTEM IS NOW ISOLATED FROM THE CRITICAL LOAD.

TRANSFERRING THE LOAD TO THE UPS INTERNAL BYPASS

1. THE UPS SYSTEM MUST BE IN THE BYPASS MODE OF OPERATION PRIOR TO THE START OF ANY TRANSFERS.
2. WHEN THE INDICATOR BY THE SOLENOID UNIT IS ILLUMINATED, PRESS AND HOLD THE ADJACENT PUSH-BUTTON AND REMOVE THE KEY BY TURNING IT.
3. INSERT THE KEY INTO THE LOCK ON MIB AND TURN IT.
4. CLOSE MIB.
5. VERIFY MIB IS CLOSED. FAILURE TO CLOSE MIB WILL INTERRUPT POWER TO THE LOAD.
6. OPEN MBB.
7. REMOVE THE KEY FROM THE LOCK ON MBB AND INSERT THE KEY IN THE SOLENOID UNIT AND TURN.
8. THE UPS SYSTEM IS NOW AVAILABLE TO BE RESTARTED AND PLACED INTO SERVICE.

JOB NAME:	LIEBERT B0-36222	EQUIPMENT DESIGNATION:	B0-36222 (R3-2)
JOB LOCATION:	DEARBORN MI	EQUIPMENT TYPE:	QED SWITCHBOARD
DRAWN BY:	KPC	DRAWING TYPE:	KEY INTERLOCK SCHEME
ENGR:	KEVIN COLLA		
DATE:	NOVEMBER 15, 2013		
DRAWING STATUS:	RECORD	DWG# K33738922-001-01	PG 1 OF 1 REV -

REV	DESCRIPTION	BY	DATE																	
A	REVISED BKR AUX CONTACTS	KPC	12/16/13	-	----															



Breaker Options and CT Wiring Elementary

JOB NAME:	LIEBERT B0-36222	EQUIPMENT DESIGNATION:	B0-36222 (R3-2)
JOB LOCATION:	DEARBORN MI	EQUIPMENT TYPE:	QED SWITCHBOARD
DRAWN BY:	KPC	DRAWING TYPE:	ELEMENTARY DIAGRAM
ENGR:	KEVIN COLLA		
DATE:	NOVEMBER 15, 2013		
DRAWING STATUS:	RECORD	DWG#	E33738922-001-01
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		REV	A

REV	DESCRIPTION	BY	DATE	-	----	--	--/--/--	-	----	--	--/--/--
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BREAKER CELL

062

061

AUX SWITCH	21	[1B1]
	22	MOB1
	24	11=[2SD]DCSS1-2F#18*BLK
	11	12=[2SD]DCSS1-1F#18*BLK
AUX SWITCH	12	14=[2SD]DCSS1-3F#18*BLK
	14	21=[1A1]BPTZMOB1-1#18*BLK
		22=[1A1]BPTZMOB1-2#18*BLK
		24=[1A1]BPTZMOB1-3#18*BLK

TOP PAN

[1A1]

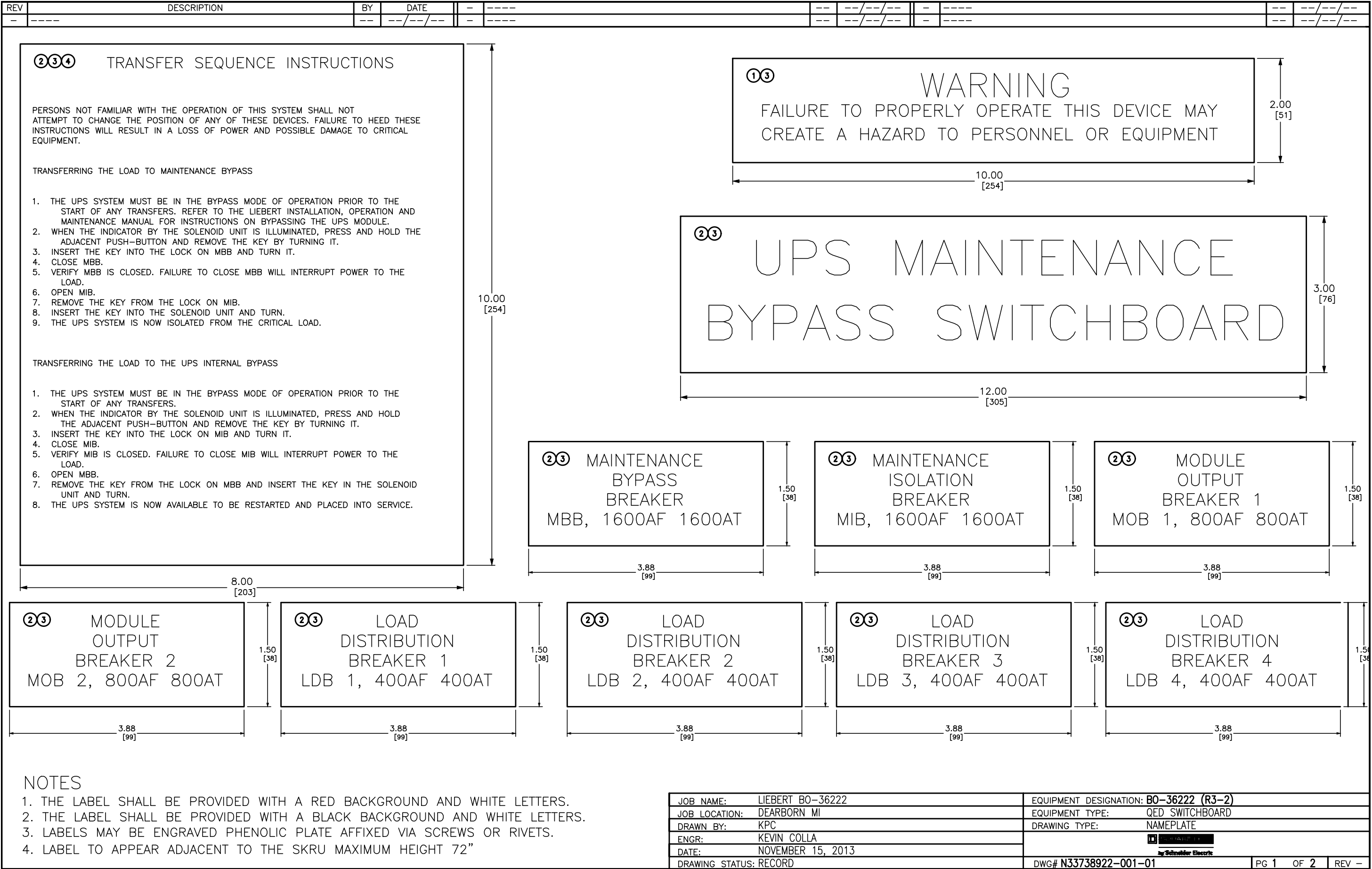
BPTZMOB1

[1B1]MOB1-21#18*BLK	1
[1B1]MOB1-22#18*BLK	2
[1B1]MOB1-24#18*BLK	3

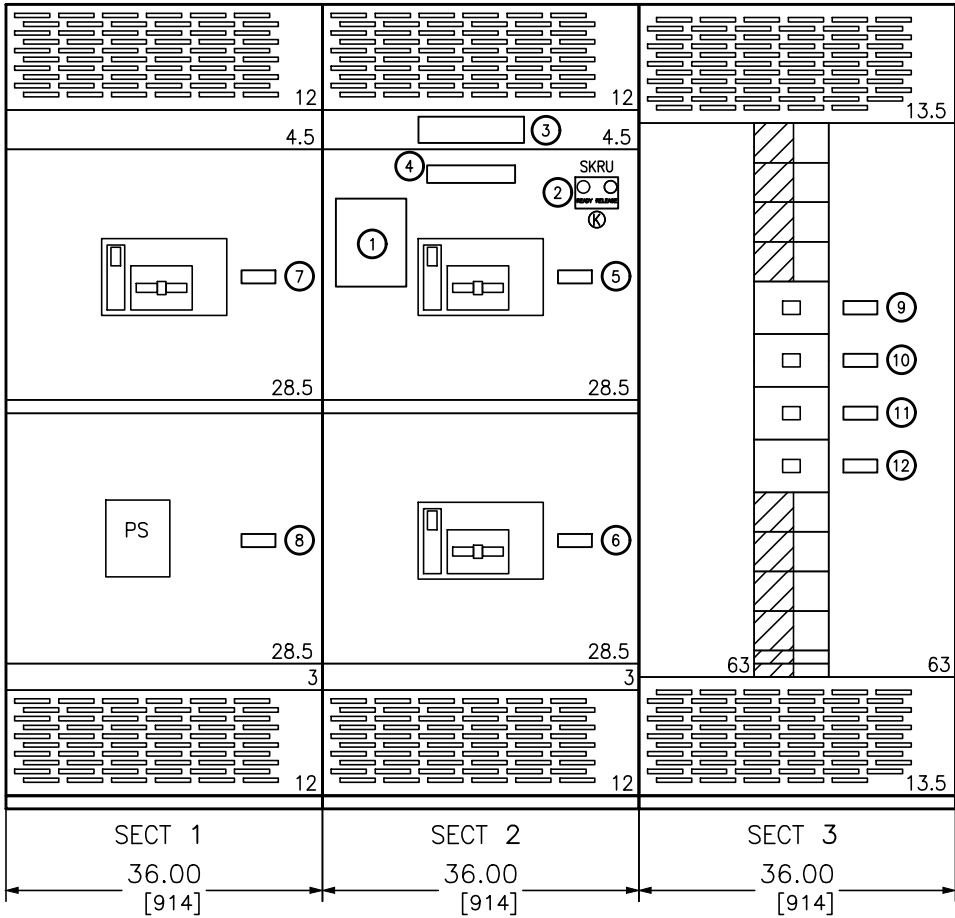
Section 1 Wiring Diagram

JOB NAME:	LIEBERT B0-36222	EQUIPMENT DESIGNATION:	B0-36222 (R3-2)
JOB LOCATION:	DEARBORN MI	EQUIPMENT TYPE:	QED SWITCHBOARD
DRAWN BY:	KPC	DRAWING TYPE:	WIRING DIAGRAM
ENGR:	KEVIN COLLA	LD DEARBORN MI	
DATE:	NOVEMBER 15, 2013	by Schneider Electric	
DRAWING STATUS:	RECORD	DWG# W33738922-001-01	PG 1 OF 1 REV -

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REV	DESCRIPTION	BY	DATE	-	----	--	--/--/--	-	----	--	--/--/--
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Nameplate Placement

- Nameplate Legend:
- 1. Sequence of Operations Nameplate
 - 2. SKRU Nameplate
 - 3. Bypass Switchboard Nameplate
 - 4. Warning Nameplate
 - 5. MIB Nameplate
 - 6. MBB Nameplate
 - 7. MOB1 Nameplate
 - 8. MOB2 Nameplate
 - 9. LDB 1 Nameplate
 - 10. LDB 2 Nameplate
 - 11. LDB 3 Nameplate
 - 12. LDB 4 Nameplate

JOB NAME:	LIEBERT B0-36222	EQUIPMENT DESIGNATION:	B0-36222 (R3-2)
JOB LOCATION:	DEARBORN MI	EQUIPMENT TYPE:	QED SWITCHBOARD
DRAWN BY:	KPC	DRAWING TYPE:	NAMEPLATE
ENGR:	KEVIN COLLA		
DATE:	NOVEMBER 15, 2013		
DRAWING STATUS:	RECORD	DWG#	N33738922-001-01
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		REV	-