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EXISTING PANEL : LPB-3 (RELOCATED) — 200A MLO

CKT. NO.	BRKR	DESCRIPTION	PHASE A	PHASE B	PHASE C	DESCRIPTION	BRKR	CKT. NO.
1								2
3								4
5								6
7								8
9								10
11	1P20**	REC. RM.114, C65X				REC. RM. 116,120	1P20**	12
13						REC. RM. 120, C59XX	1P20**	14
15						EF-2B	1P20**	16
17						AD-2	1P20**	18
19						ACP-2	3P60**	20
21								22
23								24
25								26
27								28
29								30
31								32
33								34
35								36
37								38
39								40
41								42

VOLTAGE: 120 / 208 VOLT, 3PHASE, 4WIRE
TOTAL PHASE A: 0
TOTAL PHASE B: 0
TOTAL PHASE C: 0
SUB TOTAL WATTS: ____ DEMAND WATTS: ____
SUB TOTAL AMPS: ____ DEMAND AMPS: ____

NOTES:
1. TOP FEED, NEMA1 ENCLOSURE, GROUND BUS
2. LOCKABLE COVER, SURFACE MOUNTED
3. 22000 AIC
4. PROVIDE ALL NEW CIRCUIT BREAKERS
* DENOTES HANDLELOCK CIRCUIT BREAKER
** PROVIDE CONDUIT AND WIRING TO RELOCATE THIS CIRCUIT FROM EXISTING PANEL LPB-3.

EXISTING PANEL : LPB-4 (RELOCATED) — 200A MLO

CKT. NO.	BRKR	DESCRIPTION	PHASE A	PHASE B	PHASE C	DESCRIPTION	BRKR	CKT. NO.
1	1P20**	REC RM. 100, 101, 122, FC-1						2
3	1P20**	REC RM. 100, 102						4
5	1P20**	REC RM. 118						6
7								8
9								10
11								12
13								14
15								16
17								18
19								20
21	1P20**	REC RM. 118						22
23	1P20**	REC RM. 108 EWC						24
25	1P20**	EXISTING OH DOOR OPERATOR						26
27	1P20**	EXISTING OH DOOR OPERATOR						28
29								30
31								32
33								34
35								36
37								38
39								40
41								42

VOLTAGE: 120 / 208 VOLT, 3PHASE, 4WIRE
TOTAL PHASE A: 0
TOTAL PHASE B: 0
TOTAL PHASE C: 0
SUB TOTAL WATTS: 0 DEMAND WATTS: ____
SUB TOTAL AMPS: 0.0 DEMAND AMPS: ____

NOTES:
1. TOP FEED, NEMA1 ENCLOSURE, GROUND BUS
2. LOCKABLE COVER, SURFACE MOUNTED
3. 22000 AIC
4. PROVIDE ALL NEW CIRCUIT BREAKERS
* DENOTES HANDLELOCK CIRCUIT BREAKER
** PROVIDE CONDUIT AND WIRING TO RELOCATE THIS CIRCUIT FROM EXISTING PANEL LPB-4.

PANEL : LPB-4B — 100A MLO

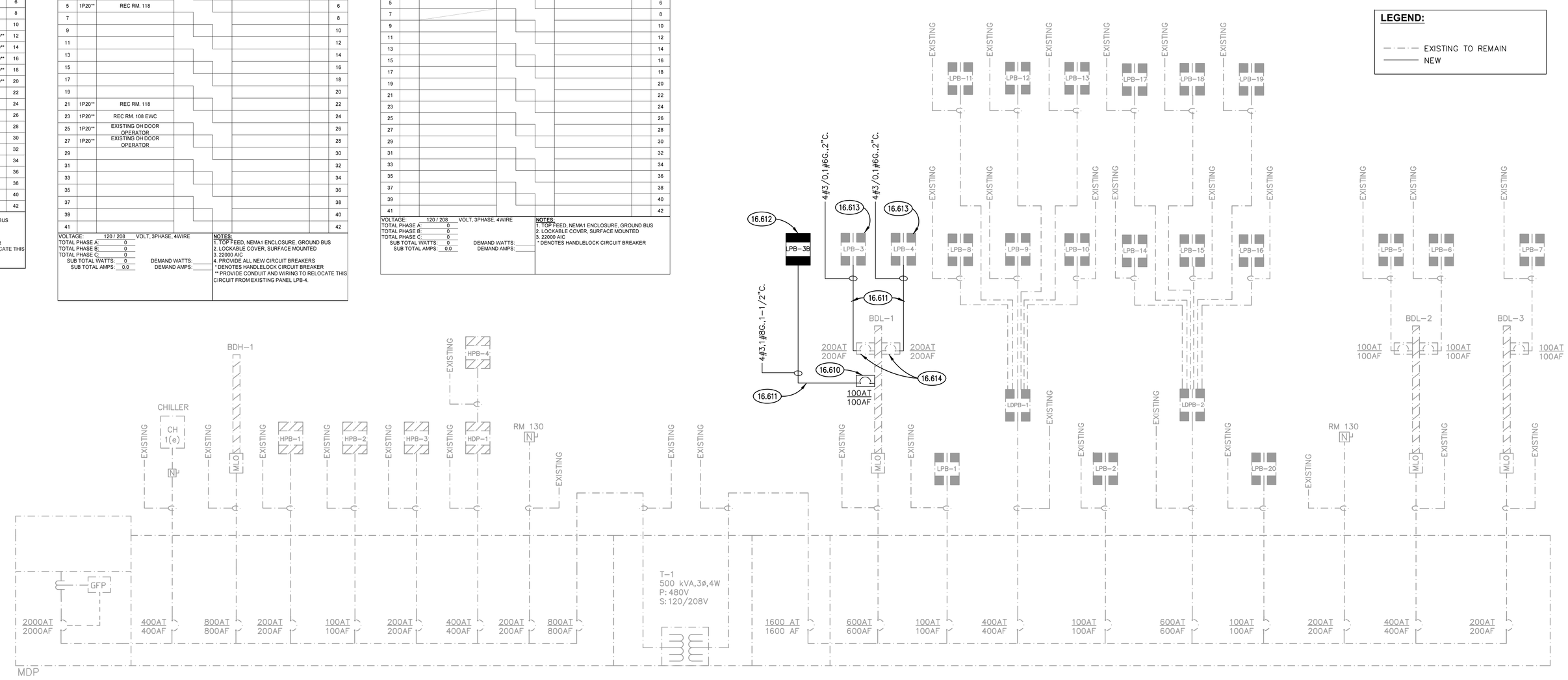
CKT. NO.	BRKR	DESCRIPTION	PHASE A	PHASE B	PHASE C	DESCRIPTION	BRKR	CKT. NO.
1								2
3								4
5								6
7								8
9								10
11								12
13								14
15								16
17								18
19								20
21								22
23								24
25								26
27								28
29								30
31								32
33								34
35								36
37								38
39								40
41								42

VOLTAGE: 120 / 208 VOLT, 3PHASE, 4WIRE
TOTAL PHASE A: 0
TOTAL PHASE B: 0
TOTAL PHASE C: 0
SUB TOTAL WATTS: 0 DEMAND WATTS: ____
SUB TOTAL AMPS: 0.0 DEMAND AMPS: ____

NOTES:
1. TOP FEED, NEMA1 ENCLOSURE, GROUND BUS
2. LOCKABLE COVER, SURFACE MOUNTED
3. 22000 AIC
* DENOTES HANDLELOCK CIRCUIT BREAKER

16.610 PROVIDE NEW CIRCUIT BREAKER DISCONNECT.
16.611 PROVIDE NEW FEEDER.
16.612 PROVIDE NEW PANELBOARD.
16.613 RELOCATED PANELBOARD.
16.614 RELOCATE EXISTING DISCONNECT SWITCH FOR RELOCATED PANELBOARD.

KEYNOTES (3)
SCALE: NTS



ONE LINE RISER DIAGRAM AND PANEL SCHEDULES (2)
SCALE: NTS

ITR LAB WELDING EQUIPMENT EXISTING CONNECTION SCHEDULE

EQUIP. TAG	NAMEPLATE VOLTS& PHASE	NAMEPLATE AMPS	CABLE/CONDUIT FROM BUS TO DISC	CABLE/CONDUIT FROM DISC TO REC	FED FROM	BUS DISC/FUSE/POLE/ENC RATING	DISCONNECT DISC/FUSE/POLE/ENC RATING	REMARKS
C.01AX	460/1	34	3#6,#8G,1"C.	2#8,1#10G,3/4"C	BDH-1	100/100/3/1	100/60/3/1	TO BE RELOCATED - NOTE 1
C.02AX	460/1	34	3#6,#8G,1"C.	2#8,1#10G,3/4"C	BDH-1	100/100/3/1	100/60/3/1	TO BE RELOCATED
C.03AX								TO BE RELOCATED
C.04AX	460/3	39	3#6,#8G,1"C.	3#8,1#10G,3/4"C	BDH-1	100/100/3/1	100/60/3/1	TO REMAIN (IN GRINDING ROOM)
C.08BX	460/1	67	3#6,#8G,1"C.	2#4,1#8G,1"C	BDH-1	100/100/3/1	100/60/3/1	TO BE REMOVED
C.13ATX	460/1	50	3#6,#8G,1"C.	2#6,1#8G,1"C	BDH-1	100/100/3/1	100/60/3/1	TO BE RELOCATED
C.14ATX	460/1	50	3#6,#8G,1"C.	2#6,1#8G,1"C	BDH-1	100/100/3/1	100/60/3/1	TO BE RELOCATED
C.15MX	460/3	15	3#6,#8G,1"C.	3#10,1#12G,3/4"C	BDH-1	100/100/3/1	100/60/3/1	TO BE REMOVED
C.17MX	460/3	28	3#6,#8G,1"C.	3#8,1#10G,3/4"C	BDH-1	100/100/3/1	100/60/3/1	TO BE RELOCATED
C.18MX	460/3	38	3#6,#8G,1"C.	3#8,1#10G,3/4"C	BDH-1	100/100/3/1	100/60/3/1	TO BE REMOVED
C.22MX	460/3	30	3#6,#8G,1"C.	3#8,1#10G,3/4"C	BDH-1	100/100/3/1	100/60/3/1	TO BE REMOVED
C.23ATX	460/1	50	3#6,#8G,1"C.	2#6,1#8G,1"C	BDH-1	100/100/3/1	100/60/3/1	TO BE RELOCATED
C.24ATX	460/1	50	3#6,#8G,1"C.	2#6,1#8G,1"C	BDH-1	100/100/3/1	100/60/3/1	TO BE RELOCATED
C.25TX	460/1	33	3#6,#8G,1"C.	2#8,1#10G,3/4"C	BDH-1	100/100/3/1	100/60/3/1	TO BE RELOCATED
C.27MX	460/3	19	3#6,#8G,1"C.	3#10,1#12G,3/4"C	BDH-1	100/100/3/1	100/60/3/1	TO BE REMOVED
C.28MX	460/3	16	3#6,#8G,1"C.	3#10,1#12G,3/4"C	BDH-1	100/100/3/1	100/40/3/1	TO BE RELOCATED
C.29SAWX	460/3	56	3#6,#8G,1"C.	3#6,1#8G,1"C	BDH-1	100/100/3/1	100/60/3/1	TO BE REMOVED
C.59X	460/3	25	3#6,#8G,1"C.	3#8,1#10G,3/4"C	BDH-1	100/100/3/1	100/50/3/1	TO BE RELOCATED (STACKABLE UNIT - REQ. NO NEW POWER)
C.72A	460/3	54	3#6,#8G,1"C.	3#6,1#8G,1"C	BDH-1	100/100/3/1	100/60/3/1	TO BE RELOCATED (STACKABLE UNIT - REQ. NO NEW POWER)
H.03								TO BE REMOVED
C.05TX	480/1	95			BDH-1			TO BE RELOCATED
C.06T								TO BE REMOVED
C.07T								TO BE RELOCATED
C.11MX	208/1	36	3#6,#8G,1"C.	2#8,1#10G,3/4"C	BDL-1	100/100/3/1	100/50/3/1	TO BE REMOVED
C.12MX	208/1	36	3#6,#8G,1"C.	2#8,1#10G,3/4"C	BDL-1	100/100/3/1	100/50/3/1	TO BE REMOVED
C.16MX	208/1	36	3#6,#8G,1"C.	2#8,1#10G,3/4"C	BDL-1	100/100/3/1	100/50/3/1	TO BE REMOVED
C.19MX	208/1	50	3#6,#8G,1"C.	2#6,1#8G,1"C	BDL-1	100/100/3/1	100/60/3/1	TO BE REMOVED
C.20MX	208/1	46	3#6,#8G,1"C.	2#6,1#8G,1"C	BDL-1	100/100/3/1	100/60/3/1	TO BE RELOCATED
C.21MX	208/1	50	3#6,#8G,1"C.	2#6,1#8G,1"C	BDL-1	100/100/3/1	100/60/3/1	TO BE REMOVED
C.26ATX	208/1	95	3#1,1#6G,1 1/4"C	2#1,1#6G,1 1/4"C	BDL-1	200/200/3/1	200/125/3/1	TO BE RELOCATED
C.28BPACX	208/3	50	3#6,#8G,1"C.	3#6,1#8G,1"C	BDL-1	100/100/3/1	100/60/3/1	TO BE REMOVED
C.55X	208/3	10	3#6,#8G,1"C.	3#12,1#12G,3/4"C	BDL-1	100/20/3/1	30/3/1 NF	TO REMAIN
C.56X	208/1	7	3#6,#8G,1"C.	2#12,1#12G,3/4"C	BDL-1	100/20/2/1	30/2/1 NF	TO BE REMOVED
C.61MX	460/208/3	33/15	3#6,#8G,1"C.	3#12,1#12G,3/4"C	BDH-1	100/100/3/1	100/20/3/1	TO BE REMOVED
C.30PAWX	115V							TO BE REMOVED

NOTES:
1.

WELDING EQUIPMENT ELECTRICAL CONNECTION SCHEDULES (1)
SCALE: N.T.S.

Kluber Architects + Engineers
Kluber, Inc.
901 N. Batavia Ave., Suite 301
Batavia, Illinois 60510
tel. 630.406.1213
fax 630.406.9472
www.kluberinc.com

ELGIN COMMUNITY COLLEGE: ITR WELDING LAB RENOVATIONS

ELGIN COMMUNITY COLLEGE
1700 SPARTAN DRIVE
ELGIN, ILLINOIS 60123

ISSUED	
04/04/11	BID DOCUMENTS

JOB NO.	11-186-686
DRAWN	JRW
CHECKED	MTK
APPROVED	JRW

SHEET TITLE
ELECTRICAL ONE-LINE DIAGRAM

SHEET NUMBER
E610

P-686 - ECC - ITR Welding Lab Renovations\Dwgs\BD-CD_Elec\686E0610.dwg, 3/30/2011 8:27:23 AM, C.H