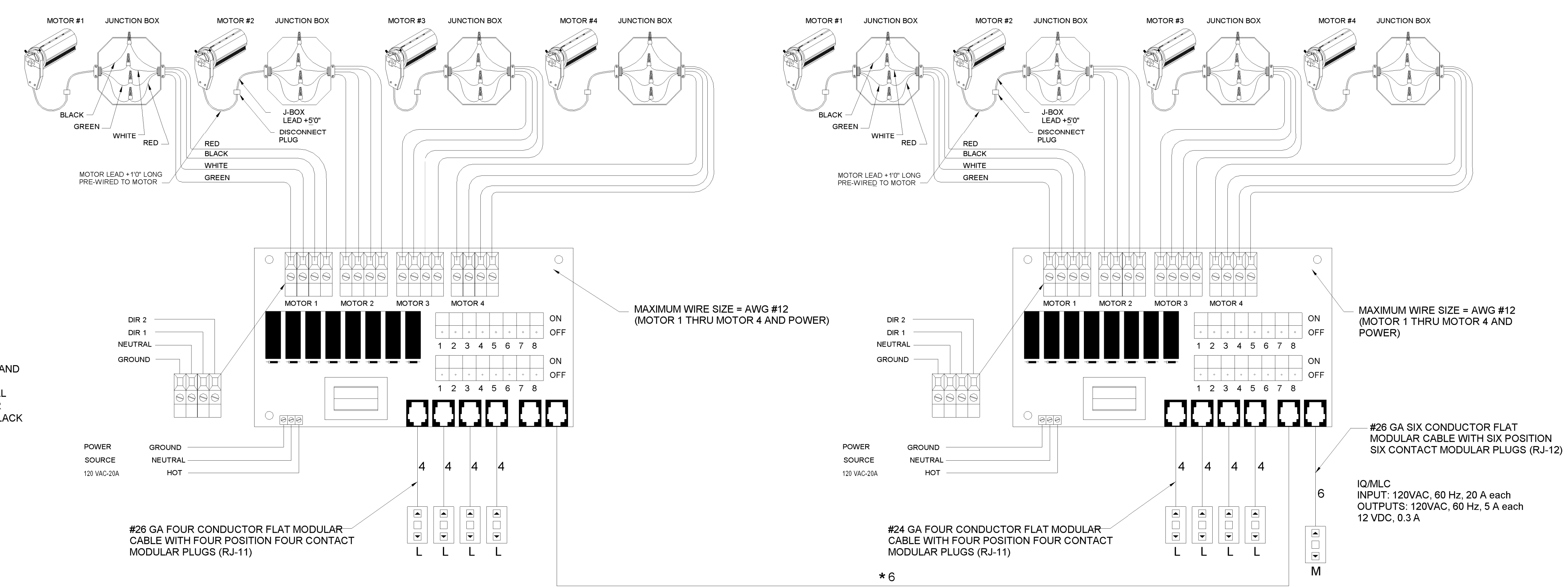


**NOTE:**  
 1 - INSTALLATION MUST COMPLY WITH ALL LOCAL AND NATIONAL ELECTRICAL CODES FOR 120 VAC AND LOW VOLTAGE WIRING REQUIREMENTS.  
 2 - MAXIMUM DISTANCE BETWEEN IQMLC AND A SWITCH IS 400 FEET

**NOTE:**  
 THE WIRING SHOWN ABOVE, FOR THE BLACK AND RED MOTOR LEADS, IS FOR RIGHT HAND REGULAR-ROLL OR LEFT HAND REVERSE-ROLL MOTORS. FOR LEFT HAND REGULAR-ROLL OR RIGHT HAND REVERSE-ROLL MOTORS, THE BLACK AND RED LEADS MUST BE REVERSED.



D1 MOTORIZED SHADES WIRING DIAGRAM

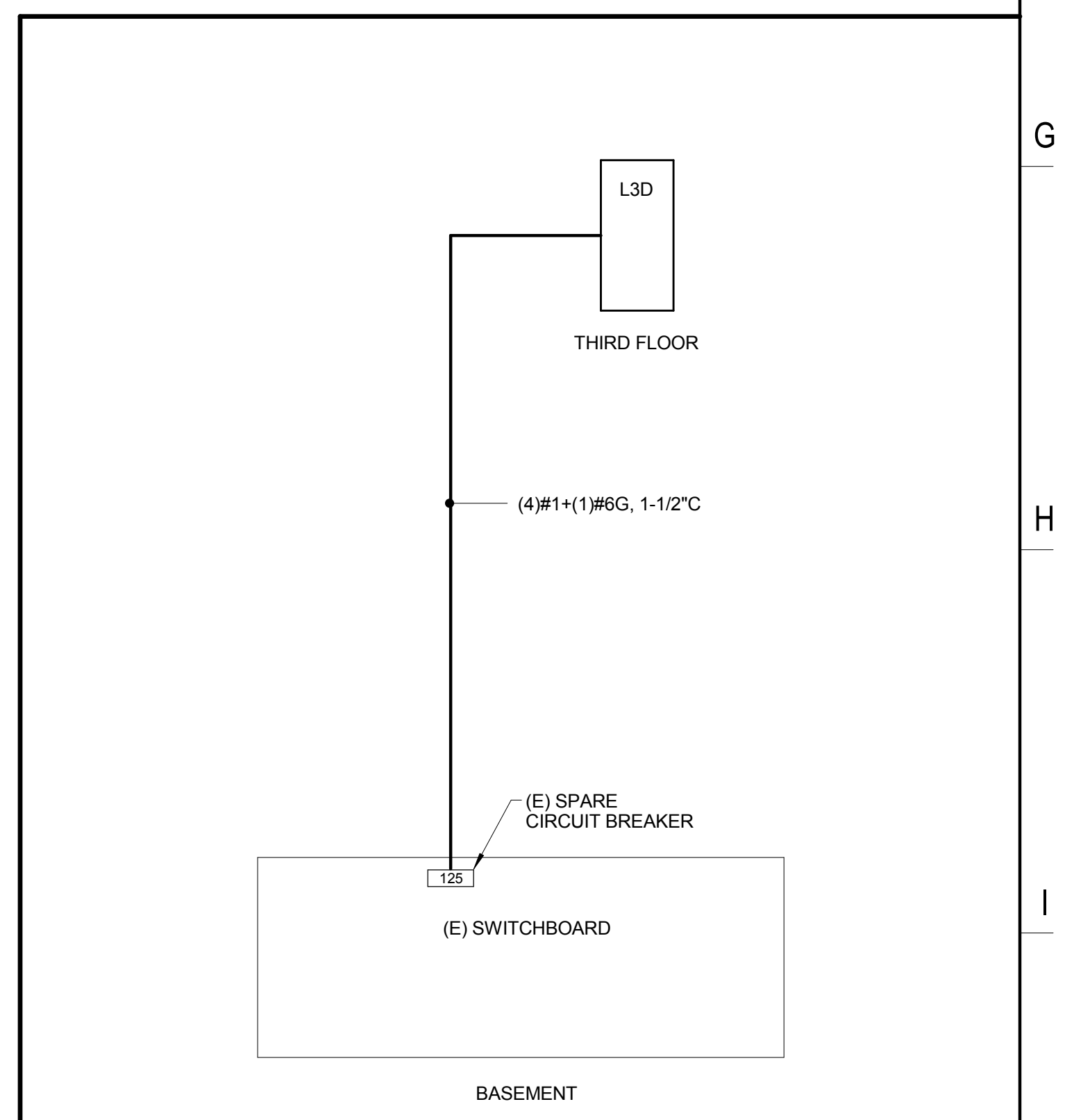
PANEL SCHEDULE ~ L3D									
VOLTAGE: 208/120V			MLO: 225A			AIC: 10KA			
3-PHASE, 4-WIRE									
CIRCUIT BREAKER	CIRCUIT LOAD (KVA) CONNECTED			BRANCH CIRCUIT DESCRIPTION					
	OKT NO	BRKR SIZE	NO. OF POLES		PH	A	B	C	
1	30	3	A	2.00	2.00			WH-1	
3			B						
5			C				2.00		
7			A	0.44				EF-1	
9	20	3	B		0.44				
11			C				0.44		
13	20	1	A	1.50				DISHWASHER	
15	20	1	B		0.90			REC: 305A	
17	20	1	C			1.50		305, 305A HOODS	
19	20	1	A	1.44				REC: 305B	
21	20	1	B		1.00			305 HOODS	
23	20	1	C			1.00		305 HOODS	
25	20	1	A	1.56				REC: 305A, VP, AC	
27	20	1	B		1.56	0.00		REC: 305, VP, AC	
29	20	1	C			1.56		REC: 305, VP, AC	
31	20	1	A	1.56				REC: 305, VP, AC	
33	20	1	B		1.26			REC: 305	
35	20	1	C			1.21		LTG: 305	
37	20	1	A	0.30				LTG: 305A, 305B	
39	20	1	B		1.00			DISPLAY CASE	
41	20	1	C			1.00		MECHANICAL CONTROL	
SUBTOTAL				8.80	8.16	8.71			
2	20	3	A	0.44				EF-2	
4			B		0.44				
6			C				0.44		
8			A	0.44				EF-3	
10	20	3	B		0.44				
12			C				0.44		
14	20	1	A	1.92				MOTORIZED SHADES	
16	20	1	B		1.92			MOTORIZED SHADES	
18	20	1	C			1.92		MOTORIZED SHADES	
20	20	1	A	1.08				REC: BENCH	
22	20	1	B		1.26			REC: BENCH	
24	20	1	C			1.08		REC: BENCH	
26	20	1	A	1.26				REC: BENCH	
28	20	1	B		0.90			REC: 305	
30	20	1	C			0.72		REC: 305	
32	20	1	A	0.36				REC: CEILING	
34	20	1	B		0.10			UTILITY CONTROLLER	
36	20	1	C			0.00		SPARE	
38	20	1	A	0.00				SPARE	
40	20	1	B		0.00			SPARE	
42	20	1	C			0.00		SPARE	
SUBTOTAL				5.50	5.06	4.60			

1 CONNECT VIA MULTI-POLE CONTACTOR, CONNECT CONTACTOR FOR CONTROL BY UTILITY CONTROLLER FURNISHED UNDER DIVISION 23. COORDINATE CONTACTOR COIL VOLTAGE WITH DIVISION 23.

LUMINAIRE SCHEDULE									
TYPE	DESCRIPTION	MFR	CATALOG SERIES NUMBER SEE NOTE 1	MOUNTING	VOLTS	WATTS	LAMP TYPE	KEY NOTES	
L1	2x2 HIGH PERFORMANCE TROFFER	COLUMBIA	LSER-22-LW-G-R-ED	RECESSED	120	31	LED ARRAY 3500K		
L2	1x4 HIGH PERFORMANCE TROFFER	COLUMBIA	LSER-14-ML-G-R-ED	RECESSED	120	41	LED ARRAY 3500K		
L3	4' NARROW SLOT LED	AXIS	BBRLED-B2-1000-SO-FL-W-D	RECESSED	120	46.4	LED ARRAY 3500K		
	EXIT SIGN WITH EMERGENCY BATTERY	DUAL-LITE	LX-U-R-W-E	WALL ABOVE DOOR	120	4	LED		
<b>NOTES</b>									
1 NOTE THAT THESE NUMBERS ARE NOT COMPLETE CATALOG #'S. PROVIDE ALL REQUIREMENTS ON SCHEDULE, NOTES, SPECS, AND DRAWINGS COMBINED.									
2 CATALOG SERIES NUMBERS ARE USED TO ESTABLISH A LEVEL OF QUALITY AND NOT INTENDED TO LIMIT COMPETITION. SERIES NUMBERS ARE NOT COMPLETE CATALOG NUMBERS. COMPLY WITH ADDITIONAL REQUIREMENTS IN SPECIFICATIONS AND DRAWINGS.									
3 PROVIDE WALL, CEILING, OR PENDANT MOUNTING AS INDICATED ON PLANS. PROVIDE NUMBER OF FACES AND ARROWS AS INDICATED.									
4 PROVIDE PROGRAMMED START BALLAST WITH ROOMS THAT HAVE OCCUPANCY SENSORS.									
5 VERIFY CEILING STRUCTURE AND MOUNTING HEIGHT PRIOR TO ORDERING ANY LIGHT FIXTURES.									

ELECTRICAL SCHEDULE OF MECHANICAL EQUIPMENT																
TAG	DESCRIPTION	VOLTS	PH	LOAD	MCA	MOPD	DISCONNECT SWITCH				STARTER (NEMA)			PANEL	WIRING IN CONDUIT	NOTES
							FRAME	POLES	FUSE	NEMA ENCL	FBD	SIZE/VFD	FBD			
WH-1	DOMESTIC HOT WATER HEATER	208	3	6 KW	--	--	30	3	25	1	26	--	--	23	L3D	(3) #10 + (1) #10G
EF-1	EXHAUST FAN	208	3	3/4 HP	--	--			FWE		23	NEMA 0	26	23	L3D	(3) #12 + (1) #12G
EF-2	EXHAUST FAN	208	3	3/4 HP	--	--			FWE		23	NEMA 0	26	23	L3D	(3) #12 + (1) #12G
EF-3	EXHAUST FAN	208	3	3/4 HP	--	--			FWE		23	NEMA 0	26	23	L3D	(3) #12 + (1) #12G
MUA-1	PACKAGED ROOFTOP UNIT	208	3	--	60.9	80			FWE		23	--	--	23	(E) SWBD	(3) #2 + (1) #6G, 1, 2
<b>NOTES:</b>																
1 CONNECT TO EXISTING SPARE 125A, 3P CIRCUIT BREAKER																
2 WIRE AND CONNECT DUCT SMOKE DETECTOR FURNISHED WITH EQUIPMENT BY DIVISION 23 TO FIRE ALARM. PROVIDE ADDRESSABLE INTERFACE MODULE AS REQUIRED.																
<b>ABBREVIATIONS:</b>																
FWE FURNISHED WITH EQUIPMENT																
NF NOT FUSED																
SWBD SWITCHBOARD																
FBD FURNISHED BY DIVISION																
CBD CONTROL WIRING BY DIVISION																

J1 SCHEDULES



D6 POWER RISER DIAGRAM

PAYSON-SMITH HALL  
 CHEMISTRY LAB  
 RENOVATION

96 Falmouth Street, Portland, ME, 04101

NO.	DESCRIPTION	DATE

CONTENT:  
 ELECTRICAL SCHEDULES AND DETAILS

DRAWN BY: \_\_\_\_\_ Author  
 PROJECT NO: 2014-049  
 DATE: 01/09/2015  
 REVISED:  
 SCALE: AS NOTED

**E5.0**

Project Phase  
 BID DOCUMENTS

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