



PORT CITY ARCHITECTURE

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PROJECT NO.: 2007120.00

**BECKER**  
 structural engineers, inc.

**SYTDesign**  
 CONSULTANTS  
 CIVIL ENGINEERING & LANDSCAPE ARCHITECTURE

**ALLIED/COOK**  
 CONSTRUCTION

**Favreau**  
 CONSULTANTS

Titan Mechanical, Inc.  
 Design Build Engineering - Mechanical Contracting

UNIVERSITY OF NEW ENGLAND

COLLEGE OF PHARMACY

716 STEVENS AVENUE,  
 PORTLAND, ME

DATE DESCRIPTION

BID SET

Date Issued 02/08/08

Project Number 06506

SHEET NAME

ELECTRICAL SCHEDULES

Drawn By

AMM

Checked By

MER

E4.1

BID SET - NOT FOR CONSTRUCTION

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Panel: 400A MCB  
 VOLT/PHASE: 480/277V, 3PH, 4W  
 MOUNTING: SURFACE  
 COMMENTS: 1200A BUS  
 AIC: 10K

CIRCUIT BREAKER														
AMP	POLES	LOAD DESCRIPTION	KVA	KVA	KVA	A	B	C	MISC	REC	LTG	LOAD DESCRIPTION	AMP	POLES
1	100	3	LAB-4	1.8	27.5	25.7	2.0	25.6	23.6			LAB-4	200	3
3	-	-	-	-	-	-	-	-	-			-	-	-
5	-	-	-	-	-	-	-	-	-			-	-	-
7	100	3	LAB-3	1.8	3.6	2.0	2.0	2.0	2.0			LAB-3	100	3
9	-	-	-	-	-	-	-	-	-			-	-	-
11	-	-	-	-	-	-	-	-	-			-	-	-
13	100	3	LAB-2	1.8	3.2	2.0	2.0	2.0	2.0			LAB-2	100	3
15	-	-	-	-	-	-	-	-	-			-	-	-
17	-	-	-	-	-	-	-	-	-			-	-	-
19	100	3	LAB-1	1.6	1.6	1.9	1.8	1.8	1.8			LAB-1	100	3
21	-	-	-	-	-	-	-	-	-			-	-	-
23	-	-	-	-	-	-	-	-	-			-	-	-
25	200	3	PL-1	20.5	20.5	19.1	19.1	19.1	19.1			PL-1	100	3
27	-	-	-	-	-	-	-	-	-			-	-	-
29	-	-	-	-	-	-	-	-	-			-	-	-
31	200	3	SPARE	-	-	-	-	-	-			SPARE	100	3
33	-	-	-	-	-	-	-	-	-			-	-	-
35	-	-	-	-	-	-	-	-	-			-	-	-
37	200	3	SPARE	-	-	-	-	-	-			SPARE	100	3
39	-	-	-	-	-	-	-	-	-			-	-	-
41	-	-	-	-	-	-	-	-	-			-	-	-

CONNECTED LOAD (KVA): 83.2  
 DEMAND LOAD (KVA): 66.6

TOTAL CONNECTED LOAD (KV): 165.3  
 TOTAL DEMAND LOAD (KVA): 132.2

Panel: 200A MCB  
 VOLT/PHASE: 480/277V, 3PH, 4W  
 MOUNTING: SURFACE  
 COMMENTS:  
 AIC: 22K

CIRCUIT BREAKER														
AMP	POLES	LOAD DESCRIPTION	KVA	KVA	KVA	A	B	C	MISC	REC	LTG	LOAD DESCRIPTION	AMP	POLES
1	60	3	LEF-2	5.8	9.7	3.9	5.8	9.7	3.9			LEF-5	35	3
3	-	-	-	-	-	-	-	-	-			-	-	-
5	-	-	-	-	-	-	-	-	-			-	-	-
7	60	3	LEF-3	5.8	6.6	0.8	5.8	6.6	0.8			EF-4	15	3
9	-	-	-	-	-	-	-	-	-			-	-	-
11	-	-	-	-	-	-	-	-	-			-	-	-
13	60	3	AHU-2 SF	7.5	7.5	6.6	7.5	7.5	6.6			SPARE	100	3
15	-	-	-	-	-	-	-	-	-			-	-	-
17	-	-	-	-	-	-	-	-	-			-	-	-
19	40	3	AHU-2 EF	5.8	5.8	5.8	5.8	5.8	5.8			SPARE	100	3
21	-	-	-	-	-	-	-	-	-			-	-	-
23	-	-	-	-	-	-	-	-	-			-	-	-
25	100	3	SPARE	-	-	-	-	-	-			SPARE	200	3
27	-	-	-	-	-	-	-	-	-			-	-	-
29	-	-	-	-	-	-	-	-	-			-	-	-
31	100	3	SPARE	-	-	-	-	-	-			SPARE	200	3
33	-	-	-	-	-	-	-	-	-			-	-	-
35	-	-	-	-	-	-	-	-	-			-	-	-
37	-	-	-	-	-	-	-	-	-			-	-	-
39	-	-	-	-	-	-	-	-	-			-	-	-
41	-	-	-	-	-	-	-	-	-			-	-	-

CONNECTED LOAD (KVA): 74.7  
 DEMAND LOAD (KVA): 59.8

TOTAL CONNECTED LOAD (KV): 88.8  
 TOTAL DEMAND LOAD (KVA): 71.0

Panel: 1000A MCB  
 VOLT/PHASE: 480/277V, 3PH, 4W  
 MOUNTING: SURFACE  
 COMMENTS: 1200A BUS  
 AIC: 65K

CIRCUIT BREAKER														
AMP	POLES	LOAD DESCRIPTION	KVA	KVA	KVA	A	B	C	MISC	REC	LTG	LOAD DESCRIPTION	AMP	POLES
1	150	3	AVPL-1	1.0	30.6	29.6	1.2	30.2	29.6			MH-2	200	3
3	-	-	-	-	-	-	-	-	-			-	-	-
5	-	-	-	-	-	-	-	-	-			-	-	-
7	100	3	LH-2	9.4	13.8	4.4	8.0	13.4	5.4			LH-1	100	3
9	-	-	-	-	-	-	-	-	-			-	-	-
11	-	-	-	-	-	-	-	-	-			-	-	-
13	200	3	MH-1	11.9	11.9	11.9	11.9	11.9	11.9			VPL-1	150	3
15	-	-	-	-	-	-	-	-	-			-	-	-
17	-	-	-	-	-	-	-	-	-			-	-	-
19	150	3	ELEVATOR B (SHUNT TRIP)	14.4	23.8	9.4	14.4	23.8	9.4			ELEVATOR A (SHUNT TRIP)	100	3
21	-	-	-	-	-	-	-	-	-			-	-	-
23	-	-	-	-	-	-	-	-	-			-	-	-
25	100	3	SPARE	-	-	-	-	-	-			DPL-1	200	3
27	-	-	-	-	-	-	-	-	-			-	-	-
29	-	-	-	-	-	-	-	-	-			-	-	-
31	60	3	NMR-1	9.6	4.6	4.6	9.6	4.6	4.6			EMERGENCY ATS #1 (EMDRP#1)	100	3
33	-	-	-	-	-	-	-	-	-			-	-	-
35	-	-	-	-	-	-	-	-	-			-	-	-
37	300	3	STANDBY ATS #2 (SBDPH-1)	43.9	45.9	41.4	43.9	45.9	41.4			SPARE	200	3
39	-	-	-	-	-	-	-	-	-			-	-	-
41	-	-	-	-	-	-	-	-	-			-	-	-

CONNECTED LOAD (KVA): 229.1  
 DEMAND LOAD (KVA): 183.3

TOTAL CONNECTED LOAD (KV): 543.6  
 TOTAL DEMAND LOAD (KVA): 434.9

Panel: PL-1  
 VOLT/PHASE: 208/120V, 3PH, 4W  
 MOUNTING: SURFACE  
 COMMENTS:  
 AIC: 10K

CIRCUIT BREAKER														
AMP	POLES	LOAD DESCRIPTION	KVA	KVA	KVA	A	B	C	MISC	REC	LTG	LOAD DESCRIPTION	AMP	POLES
1	20	1	010.011.055	1.0	2.0	2.0	1.0	2.0	2.0			106.128	20	1
3	20	1	013.014.016	1.2	2.4	1.2	1.2	2.4	1.2			120.123.126.127	20	1
5	20	1	016	0.6	1.2	1.2	0.6	1.2	1.2			120.123.126.127	20	1
7	20	1	006.015	0.6	1.8	1.2	0.6	1.8	1.2			115.116.142	20	1
9	20	1	109	1.2	2.4	1.2	1.2	2.4	1.2			115.116.117.118	20	1
11	20	1	109	1.2	2.7	1.2	1.2	2.7	1.2			115.116.117.118	20	1
13	20	1	109	1.2	2.7	1.2	1.2	2.7	1.2			121 COPPER URN	20	1
15	20	1	109	1.2	2.7	1.2	1.2	2.7	1.2			122 COPPER	20	1
17	20	1	109	1.8	3.6	1.2	1.2	3.6	1.2			100.101.103.104.115	20	1
19	20	1	109	0.6	1.6	1.0	1.0	1.6	1.0			100	20	1
21	20	1	109	2.0	2.8	0.8	0.8	2.8	0.8			110	20	1
23	20	1	109	2.0	2.8	0.6	0.6	2.8	0.6			110	20	1
25	20	1	109	2.0	2.8	0.8	0.8	2.8	0.8			110	20	1
27	20	1	109 PROJECTOR	0.2	0.8	0.6	0.6	0.8	0.6			110	20	1
29	20	1	109	2.0	3.2	1.2	1.2	3.2	1.2			111. (1) OUTSIDE GFI	20	1
31	20	1	109	1.0	1.4	0.4	0.4	1.4	0.4			114	20	1
33	20	1	109	2.0	2.4	0.4	0.4	2.4	0.4			0.4	20	1
35	20	1	109	1.2	1.7	0.5	0.5	1.7	0.5			109 SHADES	20	1
37	20	1	109	1.2	1.5	0.3	0.3	1.5	0.3			106 TRAK LIGHT	20	1
39	20	1	109	1.2	1.3	0.1	0.1	1.3	0.1			100 LED ROPE LIGHT	20	1
41	20	1	109	1.2	1.4	0.2	0.2	1.4	0.2			EF-3	20	1
43	20	1	109	1.8	2.6	0.8	0.8	2.6	0.8			100.105	20	1
45	20	1	109	0.6	1.6	0.8	0.8	1.6	0.8			107 VENDING MACH	20	1
47	20	1	109	0.6	1.5	0.8	0.8	1.5	0.8			107 VENDING MACH	20	1
49	20	1	109 (1) OUTSIDE GFI	0.4	1.9	1.5	1.5	1.9	1.5			107 VENDING MACH	20	1
51	20	1	009 U-4	0.1	1.6	1.5	1.5	1.6	1.5			107 VENDING MACH	20	1
53	20	1	009 U-5	0.1	1.3	1.2	1.2	1.3	1.2			100.105.107	20	1
55	20	1	017 EUH-2	0.1	1.6	1.5	1.5	1.6	1.5			107 MICROWAVE	20	1
57	20	1	018 EUH-1	0.1	0.6	0.5	0.5	0.6	0.5			110 MOTORIZED SCRN	20	1
59	20	1	016 UH-3	0.1	0.2	0.1	0.1	0.2	0.1			013 FCU-1	20	1
61	20	1	016 EF-3	0.1	0.1	0.0	0.0	0.1	0.0			013 UH-2	20	1
63	20	1	011 B-1	0.5	1.7	1.2	1.2	1.7	1.2			016 WATER SOFTENER	20	1
65	20	1	011 B-2	0.5	0.7	0.2	0.2	0.7	0.2			110	20	1
67	20	1	109 MOTORIZED SCRN	0.5	3.5	1.6	1.6	3.5	1.6			SPARE	15	1
69	20	1	SPARE	-	-	-	-	-	-			100.101.117.123	20	1
71	20	1	SPARE	-	-	-	-	-	-			SPARE	20</	