

LIGHTING FIXTURE SCHEDULE											
FIXT. TYPE	DESCRIPTION	LAMPS			BALLAST		VOLTAGE	MANUFACTURER	CATALOG NUMBER	REMARKS	
		NO.	WATTS	TYPE	NO.	INTEGRAL				SEE NOTES 1, 2, 3, 4	
R11	CEILING RECESSED 2'x4' SEALED AND GASKETED FIXTURE	6	32	T8	1	Y	UNV	HE WILLIAMS DAYBRITE KENALL	MDS-F-S24-632-F-KSH-34RF-SUPPRESSOR-E83-UNV-BOONE APPROVED EQUAL APPROVED EQUAL	PROVIDE WITH ANTI-MICROBIAL FINISH AND BOONE BATTERY BALLAST	
R12	CEILING RECESSED 2'x2' SEALED AND GASKETED FIXTURE	3	17	T8	1	Y	UNV	HE WILLIAMS DAYBRITE KENALL	MDS-F-S22-317-F-KSH-34RF-SUPPRESSOR-E83-UNV-BOONE APPROVED EQUAL APPROVED EQUAL	PROVIDE WITH ANTI-MICROBIAL FINISH AND BOONE BATTERY BALLAST	
R13	CEILING RECESSED 2'x2' LENSED FIXTURE	2	17	T8	1	Y	UNV	LITHONIA DAYBRITE METALUX	217HS-2-17-UNV-BNIP APPROVED EQUAL APPROVED EQUAL		
ⓧ	EDGE LIT LED EXIT SIGN	-	5	LED	1	Y	UNV	SURE-LITES MCPHILBEN LITHONIA	ES6-12-R-XX-UNV 45V-X-12-RCR/RM-XX LRP-12-RW/RCR/RM-XX-UNV		

- LIGHTING FIXTURE SCHEDULE NOTES:
- COORDINATE ALL FIXTURE FINISH COLORS WITH ARCHITECT PRIOR TO BID.
 - COORDINATE COLOR AND TEMPERATURE OF ALL LAMPS WITH ARCHITECT.
 - COORDINATE FIXTURE LENGTHS WITH ARCHITECTURAL FLOOR PLANS.
 - COORDINATE FIXTURE TRIM WITH CEILING TYPE WHERE FIXTURE IS BEING INSTALLED.

TRANSFORMER SCHEDULE												(ALL TRANSFORMERS ARE CONNECTED Δ/Y)		COPPER YES	
No.	KVA	PHASE	PRIMARY				SECONDARY				K-FACTOR	SYSTEM GROUND & BOND			
			VOLT	AMPS	C.B.	FEEDER	VOLT	AMPS	C.B.	FEEDER					
T9	9	3	480	11	20A-3P	(3) #12 & (1) #10G-3/4"	208	25	30A-3P	(4) #10 & (1) #10G-3/4"	NO	(1) #8-3/4"			
T15	15	3	480	18	30A-3P	(3) #10 & (1) #10G-3/4"	208	42	50A-3P	(4) #8 & (1) #8G-1"	NO	(1) #8-3/4"			
T30	30	3	480	36	60A-3P	(3) #8 & (1) #10G-1"	208	83	100A-3P	(4) #1 & (1) #8G-1 1/2"	NO	(1) #8-3/4"			
T45	45	3	480	54	80A-3P	(3) #8 & (1) #8G-1 1/4"	208	125	150A-3P	(4) #10 & (1) #8G-2"	NO	(1) #8-3/4"			
T75	75	3	480	90	150A-3P	(3) #10 & (1) #8G-1 1/2"	208	208	250A-3P	(4) #250 & (1) #8G-3"	NO	(1) #8-3/4"			
T112	112.5	3	480	135	250A-3P	(3) #250 & (1) #8G-2 1/2"	208	313	400A-3P	(4) #250 & (1) #8G-4"	NO	(1) #10-3/4"			
T150	150	3	480	181	300A-3P	(3) #350 & (1) #8G-3"	208	417	500A-3P	(4) #250 & (2) #2G-2 1/2"	NO	(1) #10-3/4"			
T22	225	3	480	270	400A-3P	(3) #500 & (1) #8G-3 1/2"	208	625	800A-3P	(4) #500 & (2) #10G-2 1/4"	NO	(1) #20-3/4"			
T300	300	3	480	361	600A-3P	(3) #550 & (2) #1G-2 1/2"	208	834	1000A-3P	(12) #400 & (3) #20G-3 1/2"	NO	(1) #30-3/4"			
T500	500	3	480	600	1000A-3P	(3) #400 & (3) #20G-3 1/2"	208	1400	1600A-3P	(16) #600 & (1) #40G-4 1/4"	NO	(1) #30-1"			

- SCHEDULE NOTES:
- THE GROUNDING ELECTRODE CONDUCTOR SHALL NOT BE SPLICED.
 - PROVIDE ADAPTERS TO ENSURE CONDUCTOR SIZES COORDINATE WITH BREAKER LUG SIZES.
 - THE SECONDARY OVERCURRENT PROTECTION DEVICE SHALL BE LOCATED SUCH THAT THE MAXIMUM LENGTH OF SECONDARY CONDUCTORS DOES NOT EXCEED 10'-0".
 - FOR ALL TRANSFORMERS SERVING ISOLATED GROUND PANELS, PROVIDE ADDITIONAL GROUND "IG" TYPE, REFER TO SPECIFICATIONS.

SCHEDULE OF PANELBOARDS																									
PANEL No.	LOCATION	MTG.	VOLTAGE P.W.	CIRCUIT BREAKERS												SPACES	TOTAL POLES	AIC	BUS SIZE	MAIN C.B.	NEUTRAL 200%	GND. BUS	ISO GND. BUS	REMARKS	
				201	201 GFI	202	203	301	302	303	403	503	603	703	1003										OTHERS
LP-B1	BASEMENT	SURF	120/208V, 3P, 4W	48	-	-	-	-	-	-	-	-	-	-	-	-	36	84	22K	250	250	N	Y	N	(1) X (2)
LCP-B1	BASEMENT	SURF	120/208V, 3P, 4W	48	-	-	-	-	-	-	-	-	-	-	-	-	36	84	22K	250	250	N	Y	N	(1) X (2)

- * AIC RATING SHALL MEET THE AVAILABLE FAULT AND EQUIPMENT AT THE POINT OF INSTALLATION.
- SCHEDULE KEYED NOTES:
- PROVIDE ADDITIONAL CIRCUIT BREAKERS AS REQUIRED TO SUPPORT EXISTING BRANCH CIRCUITS.
 - PROVIDE A SINGLE TUB 84 POLE PANEL.

SCHEDULE OF ISOLATED POWER PANELBOARDS																								
PANEL No.	LOCATION	MTG.	SECONDARY VOLTAGE P.W.	CIRCUIT BREAKERS												SPACES	TOTAL POLES	AIC	BUS SIZE	MAIN C.B.	NEUTRAL 200%	GND. BUS	ISO GND. BUS	REMARKS
				201	201 GFI	202	203	301	302	303	403	503	603	703	1003									
IPORH-A	BASEMENT	FLUSH	120V, 1P, 3W	-	-	16	-	-	-	-	-	-	-	-	-	-	32	22K	-	35A	N	FULL	N	7.5 KVA, 277V, 1P PRIMARY
IPORH-B	BASEMENT	FLUSH	120V, 1P, 3W	-	-	16	-	-	-	-	-	-	-	-	-	-	32	22K	-	35A	N	FULL	N	7.5 KVA, 277V, 1P PRIMARY
IPOR6-A	BASEMENT	FLUSH	120V, 1P, 3W	-	-	16	-	-	-	-	-	-	-	-	-	-	32	22K	-	35A	N	FULL	N	7.5 KVA, 277V, 1P PRIMARY
IPOR6-B	BASEMENT	FLUSH	120V, 1P, 3W	-	-	16	-	-	-	-	-	-	-	-	-	-	32	22K	-	35A	N	FULL	N	7.5 KVA, 277V, 1P PRIMARY

WIRE & CONDUIT SIZING SCHEDULE						
AMPS	TAGS	WIRE SIZE (AWG/KCMIL)		% OF WIRES AND CONDUIT SIZE (IN INCHES)		
		CONDUCTOR PHASE AND NEUTRAL	GROUND	(A) 1PH, 2W-G	(B) 3PH, 3W-G	(C) 3PH, 4W-G
15	1	12	12	3/4	3/4	3/4
20	2	12	12	3/4	3/4	3/4
30	3	10	10	3/4	3/4	3/4
40	4	8	10	3/4	3/4	3/4
50	5	6	10	3/4	1	1
60	6	4	10	1	1-1/4	1-1/4
70	7	4	8	1	1-1/4	1-1/4
80	8	3	8	1	1-1/4	1-1/4
90	9	2	8	1-1/4	1-1/4	1-1/2
100	10	1	8	1-1/4	1-1/2	2
125	11	1	6	1-1/4	1-1/2	2
150	12	10	6	1-1/2	2	2
175	13	20	6	1-1/2	2	2-1/2
200	14	30	6	2	2	2-1/2
225	15	40	4	2	2-1/2	2-1/2
250	16	250	4	2	2-1/2	3
275	17	300	4	2-1/2	3	3
300	18	350	4	2-1/2	3	3
350	19	500	3	3	4	4
400	20	500	3	3	4	4
450	21	(2) #40	(2) 2	(2) 2-1/2	(2) 2-1/2	(2) 2-1/2
500	22	(2) #50	(2) 2	(2) 2-1/2	(2) 3	(2) 3
600	23	(2) #50	(2) 1	(2) 3	(2) 4	(2) 4
700	24	(2) #50	(2) 1 1/2	(2) 4	(2) 4	(2) 4
800	25	(2) #50	(2) 1 1/2	(2) 4	(2) 4	(2) 4
1000	26	(3) #40	(3) 2	(3) 3	(3) 4	(3) 4
1100	27	(3) #50	(3) 2	(3) 3	(3) 4	(3) 4
1200	28	(4) #30	(4) 3	(4) 3	(4) 4	(4) 4
1500	29	(4) #50	(4) 4	(4) 4	(4) 4	(4) 4
1600	30	(5) #40	(5) 4	(5) 4	(5) 4	(5) 4
1900	31	(5) #50	(5) 2 1/2	(5) 4	(5) 4	(5) 4
2000	32	(6) #40	(6) 2 1/2	(6) 4	(6) 4	(6) 4
2500	33	(6) #60	(6) 3 1/2	(6) 4	(6) 4	(6) 4
3000	34	(8) #50	(8) 4	(8) 4	(8) 4	(8) 4

- NOTE:
- THE ABOVE SCHEDULE IS BASED ON 600 VOLT WIRE TYPE THHN/THHN/HHW AND EMT/RGS CONDUIT.
 - NUMBER INDICATES FEEDER SIZE IN AMPS AND WIRE.
 - LETTER INDICATES CONDUIT SIZE AND NUMBER OF WIRES.

PERKINS + WILL

225 Franklin St., Suite 1100
Boston, MA 02110
1 617 478 0300
1 617 478 0321
www.perkinswill.com

Maine Medical Center
MaineHealth

HYBRID OR # OR 8

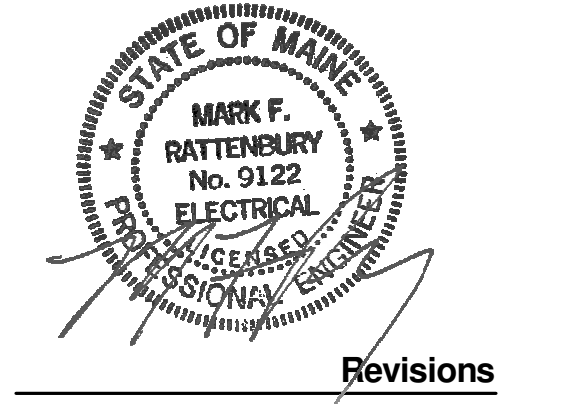
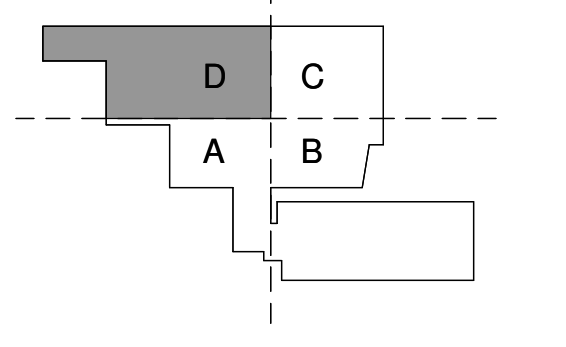
22 Bramhall Street, Portland, Maine 04102

MEP ENGINEER
AKF GROUP, LLC

99 Bedford Street, 2nd Floor
Boston, MA 02111
1 617 737 1111
1 617 737 4311

STRUCTURAL ENGINEER
SIMPSON GUMPERTZ & HEGER

41 Seyon Street, Building 1, Suite 500
Waltham, MA 02453
1 781 907 9000
1 781 907 9039



Revisions

NO.	ISSUE DATE	DATE
1	ISSUED FOR PERMIT	08.21.2015
1	ADDENDUM 1	08.21.2015
1	ISSUED FOR BID	07.31.2015
NO.	ISSUE DATE	

Sheet Information

Date: JULY 31, 2015
Job #: B150155-000
Drawn: GN
Checked: MR
Approved: MR

ELECTRICAL SCHEDULES AND RISER DIAGRAMS SHEET 1 OF 2

Sheet **E07-00**