

PANEL RP-1

VOLTAGE: 208/120
PHASE: 3
WIRE: 4 PLUS GROUND
MAINS: 225A MLO
BUS: 225A

LOCATION: GROUND FLOOR SWITCHGEAR
MOUNTING: SURFACE
PANEL TYPE: CIRCUIT BREAKER
MAINS: SWBD MDP
RATING: 42,000 AMPS, 5YM.

LEGEND:
L LIGHTS
R RECEPTACLES
H HEAT
M MOTORS
E EQUIPMENT
S SPARE
SP SPACE

CCT NO	TRIP	LEG-END	DESCRIPTION	CONNECTED LOAD (VA)			CCT NO	TRIP	LEG-END	DESCRIPTION	CONNECTED LOAD (VA)		
				A	B	C					A	B	C
1	20A-IP	R	RECEPT RM 122	1080			2	20A-IP	E	DRINKING FOUNTAIN	1000		
3	20A-IP	R	RECEPT RM 122,126		120		4	20A-IP	R	RECEPT RM 102		360	
5	20A-IP	R	RECEPT RM 126				6	20A-IP	R	RECEPT RM 104			120
7	20A-IP	R	RECEPT RM 126	120			8	20A-IP	R	RECEPT RM 103	1080		
9	20A-IP	R	RECEPT RM 131				10	20A-IP	S	SPARE			
11	30A-IP	E	HAND DRYER			2110	12	20A-IP	S	SPARE			
13	20A-IP	E	GARBAGE DISPOSER	1200			14	20A-IP	R	RECEPT RM 106	360		
15	20A-IP	R	RECEPT RM 132,121,102		120		16	30A-IP	E	HAND DRYER		2110	
17	20A-IP	R	RECEPT RM 117			720	18	20A-IP	R	RECEPT RM 104			720
19	20A-IP	R	RECEPT RM 118,120	1000			20	20A-IP	E	RECEPT RM 104	360		
21	20A-IP	R	RECEPT RM 120		1000		22	20A-IP	E	RECEPT RM 104		1500	
23	20A-2P	E	RERIG 208/120V/1PH			1150	24	20A-IP	R	RECEPT RM 104			1500
25	-	-	3#12#1#12 GRD, 3/4" C	1150			26	20A-IP	R	RECEPT RM 104	1500		
27	20A-IP	E	VENDING		1000		28	20A-IP	R	RECEPT RM 104			1500
29	20A-IP	E	VENDING			1000	30	20A-IP	R	RECEPT RM 104			1500
31	20A-IP	E	VENDING	1000			32	20A-IP	R	RECEPT RM 112	120		
33	40A-2P	R	ELECTRIC RANGE		2600		34	30A-IP	E	HAND DRYER		2100	
35	-	-	-			2600	36	30A-IP	E	HAND DRYER			2100
37	20A-IP	R	RECEPT RM 111,15,116	900			38	20A-IP	E	RECEPT RM 113	120		
39	20A-IP	R	EXTERIOR RECEPT		120		40	20A-IP	E	HAND DRYER			2100
41	20A-IP	E	KITCHEN HOOD KH-1			360	42	20A-IP	E	HAND DRYER			2100
SUB TOTAL				1050	6160	7440	SUB TOTAL				5140	4610	8640
							TOTAL				12790	16430	16580

*PROVIDE LOCKED BREAKER

P:\BSEng\19 Projects\19-004 Valley Forge Drawings\Elec\PNL RP-1.xls

CONNECTED LOAD: 46 KVA 127 A

PANEL LP-1

VOLTAGE: 208/120
PHASE: 3
WIRE: 4 PLUS GROUND
MAINS: 100A MLO
BUS: 100A

LOCATION: GROUND FLOOR SWITCHGEAR
MOUNTING: SURFACE
PANEL TYPE: CIRCUIT BREAKER
MAINS: SWBD MDP
RATING: 42,000 AMPS, 5YM.

LEGEND:
L LIGHTS
R RECEPTACLES
H HEAT
M MOTORS
E EQUIPMENT
S SPARE
SP SPACE

CCT NO	TRIP	LEG-END	DESCRIPTION	CONNECTED LOAD (VA)			CCT NO	TRIP	LEG-END	DESCRIPTION	CONNECTED LOAD (VA)		
				A	B	C					A	B	C
1	20A-IP	L	LIGHTING RM 122	930			2	20A-IP	L	LIGHTING CORRIDOR	600		
3	20A-IP	L	LIGHTING RM 126		940		4	20A-IP	L	LIGHTING CORRIDOR		480	
5	20A-IP	L	LIGHTING RMs 130,131			640	6	20A-IP	L	LIGHTING CORRIDOR			600
7	20A-IP	L	LIGHTING RMs 104,105	605			8	20A-IP	L	LIGHTING CORRIDOR	1250		
9	20A-IP	L	LIGHTING RM 104		960		10	20A-IP	L	LIGHTING EXTERIOR ENTRY		600	
11	20A-IP	L	LIGHTING RMs 112,113			1040	12	20A-IP	L	LIGHTING EXTERIOR POLES			300
13	20A-IP	L	LIGHTING RM 116	160			14	20A-IP	L	LIGHTING EXTERIOR CANOPY	500		
15	20A-IP*	L	NIGHT LIGHTING (LOCKED)		340		16	20A-IP	L	EXTERIOR SIGN		800	
17	20A-IP*	L	NIGHT LIGHTING (LOCKED)			420	18	20A-IP	S	SPARE			
19	20A-IP*	L	NIGHT LIGHTING (LOCKED)	300			20	20A-IP	L	LIGHTING GYMNASIUM	900		
21	20A-IP*	L	EXIT LIGHTING (LOCKED)		240		22	20A-IP	L	LIGHTING GYMNASIUM		900	
23	20A-IP*	L	EXIT LIGHTING (LOCKED)			140	24	20A-IP	L	LIGHTING GYMNASIUM			900
25	20A-IP	S	SPARE				26	20A-IP	L	LIGHTING GYMNASIUM	900		
27	20A-IP	S	SPARE				28	20A-IP	S	SPARE			
29	SPACE	SP	SPACE				30	SPACE	SP	SPACE			
31	SPACE	SP	SPACE				32	SPACE	SP	SPACE			
33	SPACE	SP	SPACE				34	SPACE	SP	SPACE			
35	SPACE	SP	SPACE				36	SPACE	SP	SPACE			
37	SPACE	SP	SPACE				38	SPACE	SP	SPACE			
39	20A-2P	H	EPH-1 HEATER			1500	40	20A-2P	H	EPH-1 HEATER			1500
41	-	-	-			1500	42	-	-	-			1500
SUB TOTAL				1945	3480	3190	SUB TOTAL				4150	4280	3300
							TOTAL				1945	3480	3190
							TOTAL				6145	8260	10490

*PROVIDE LOCKED BREAKER

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CONNECTED LOAD: 21 KVA 60 A

PANEL CP-1

VOLTAGE: 208/120
PHASE: 3
WIRE: 4 PLUS GROUND
MAINS: 60A MLO
BUS: 60A

LOCATION: GROUND FLOOR SWITCHGEAR
MOUNTING: SURFACE
PANEL TYPE: CIRCUIT BREAKER
MAINS: SWBD MDP
RATING: 42,000 AMPS, 5YM.

LEGEND:
L LIGHTS
R RECEPTACLES
H HEAT
M MOTORS
E EQUIPMENT
S SPARE
SP SPACE

CCT NO	TRIP	LEG-END	DESCRIPTION	CONNECTED LOAD (VA)			CCT NO	TRIP	LEG-END	DESCRIPTION	CONNECTED LOAD (VA)		
				A	B	C					A	B	C
1	20A-IP	S	SPARE				2	20A-IP	R	TELE/DATA ROOM	800		
3	20A-IP	S	SPARE				4	20A-IP	R	TELE/DATA ROOM		800	
5	20A-IP	S	SPARE				6	20A-IP	E	ADA DOOR ASSIST			600
7	20A-IP	S	SPARE				8	20A-IP	R	FIRE ALARM	800		
9	20A-IP	S	SPARE				10	20A-IP	R	SECURITY SYSTEM		800	
11	20A-IP	S	SPARE				12	20A-IP	R	SECURITY SYSTEM			800
13	20A-IP	S	SPARE				14	20A-IP	E	ADA DOOR ASSIST	600		
15	20A-IP	S	SPARE				16	20A-IP	S	SCORE BOARD		500	
17	20A-IP	S	SPARE				18	20A-IP	E	FIRE SHUTTER			1000
19	20A-IP	S	SPARE				20	20A-IP	S	SPARE			
21	20A-IP	S	SPARE				22	20A-IP	S	SPARE			
23	20A-IP	S	SPARE				24	20A-IP	S	SPARE			
25	20A-IP	S	SPARE				26	20A-IP	S	SPARE			
27	20A-IP	S	SPARE				28	20A-IP	S	SPARE			
29	20A-IP	S	SPARE				30	20A-IP	S	SPARE			
31	SPACE	SP	SPACE				32	SPACE	SP	SPACE			
33	SPACE	SP	SPACE				34	SPACE	SP	SPACE			
35	SPACE	SP	SPACE				36	SPACE	SP	SPACE			
37	SPACE	SP	SPACE				38	SPACE	SP	SPACE			
39	SPACE	SP	SPACE				40	SPACE	SP	SPACE			
41	SPACE	SP	SPACE				42	SPACE	SP	SPACE			
SUB TOTAL				0	0	0	SUB TOTAL				2200	2100	2400
							TOTAL				0	0	0
							TOTAL				2200	2100	2400

*PROVIDE LOCKED BREAKER

P:\BSEng\19 Projects\19-004 Valley Forge Drawings\Elec\PNL CP-1.xls

CONNECTED LOAD: 7 KVA 19 A

PANEL HP-1

VOLTAGE: 208/120
PHASE: 3
WIRE: 4 PLUS GROUND
MAINS: 225A MLO
BUS: 225A

LOCATION: MECHANICAL PENTHOUSE
MOUNTING: SURFACE
PANEL TYPE: CIRCUIT BREAKER
MAINS: SWBD MDP
RATING: 42,000 AMPS, 5YM.

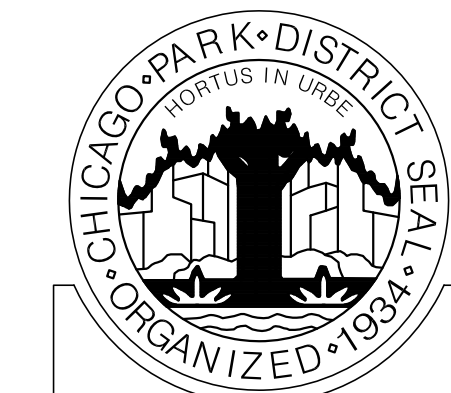
LEGEND:
L LIGHTS
R RECEPTACLES
H HEAT
M MOTORS
E EQUIPMENT
S SPARE
SP SPACE

CCT NO	TRIP	LEG-END	DESCRIPTION	CONNECTED LOAD (VA)			CCT NO	TRIP	LEG-END	DESCRIPTION	CONNECTED LOAD (VA)		
				A	B	C					A	B	C
1	30A-3P	E	HEAT PUMP HP-4	2030			2	30A-3P	E	DRY-COOLER DC-1	2160		
3	-	-	-		2030		4	-	-	-		2160	
5	-	-	-			2030	6	-	-	-			2160
7	35A-3P	E	HEAT PUMP HP-5	2810			8	20A-IP	E	GLYCOL PUMP GP-1	1176		
9	-	-	-		2810		10	20A-2P	E	ELEC WALL HTR ENH-1		1000	
11	-	-	-			2810	12	-	-	-			1000
13	25A-3P	E	HEAT PUMP HP-3	1800			14	20A-IP	E	HOT WATER BOILER GFB-1	180		
15	-	-	-		1800		16	20A-IP	E	P-5 BOILER PUMP		300	
17	-	-	-			1800	18	20A-IP	E	CABINET HEATER CUH-1			1260
19	15A-3P	E	HEAT PUMP HP-2	1130			20	20A-IP	E	HOT WTR HTR DWH-1/RCP-1	700		
21	-	-	-		1130		22	20A-2P	E	ELEC WALL HTR ENH-1		1000	
23	-	-	-			1130	24	-	-	-			1000
25	35A-3P	E	HEAT PUMP HP-1	3080			26	20A-IP	E	EXHAUST FAN EF-1	740		
27	-	-	-		3080		28	20A-IP	E	EXHAUST FAN EF-2,3,4		390	
29	-	-	-			3080	30	20A-IP	E	CABINET HEATER CUH-1			1260
31	20A-3P	E	PUMPS P-3, P-4	1100			32	25A-3P	E	UNIT HEATER UH-1	1670		
33	-	-	-		1100		34	-	-	-		1670	
35	-	-	-			1100	36	-	-	-			1670
37	20A-3P	E	PUMPS P-1, P-2	1540			38	20A-IP	E	MULTIPURPOSE FANS	1600		
39	-	-	-		1540		40	20A-IP	S	SPARE			
41	-	-	-			1540	42	20A-IP	R	ROOF GFI			500
SUB TOTAL				13540	13540	13540	SUB TOTAL				8226	6520	8850
							TOTAL				13540	13540	13540
							TOTAL				21766	20060	22340

*PROVIDE LOCKED BREAKER

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CONNECTED LOAD: 64 KVA 178 A



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Chicago, Illinois
60611

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ISSUED FOR ADDENDUM # 1 08/27/09

ISSUED FOR BID 08/05/09
ISSUED FOR CONST. DOCUMENTS 100% 07/22/09
ISSUED FOR CONST. DOCS. 90% / PERMIT 06/26/09
ISSUED FOR CONST. DOCUMENTS 60% 06/05/09
ISSUED FOR DESIGN DEVELOPMENT 05/15/09
ISSUED FOR SCHEMATIC DESIGN 03/13/09

REVISIONS DATE

PROJECT MANAGER
PROJECT MANAGER
DIRECTOR OF ENGINEERING

PROJ. MGR.: JK
DESIGNER: JK/KK/NC
DRAWN: JK/KK/NC
CHECKED: EMB
SCALE: AS NOTED
DATE: AUGUST 2009

SPEC. NO.: XXXX-XX
JOB NO.: 0824.00

SHEET INFORMATION

Chicago Park District - Fieldhouse

VALLEY FORGE PARK
7001 W. 59TH STREET
CHICAGO, IL 60638
PARK #371

PARK NO./PROJECT NO.
0824.00

ELECTRICAL PANEL SCHEDULES

E003
DRAWING NO.