



No.	Date	Description
1	2025-12-11	CONTRACT DOCUMENTS
2	2025-01-15	ADDENDUM 1

Panel: RP-1UPS										Smith + Andersen									
Project Name: South Winnipeg Recreation Campus Phase 1										Location: IT/Server Room R105									
Project #: 22522.000.001										Fed From:									
Description:										Date:									
CCT No.	Connection/Breaker Type - Circuit Description	BKR [A]	Pole #	DF [%]	Estimated Load [VA]	A	B	C	Estimated Load [VA]	DF [%]	Pole #	BKR [A]	Connection/Breaker Type - Circuit Description	CCT No.					
1	RECEPTACLE	20	1	100.0	150	150								2					
3	RECEPTACLE	20	1	100.0	150		150							4					
5	RECEPTACLE	15	1	100.0	1000			1000						6					
7	RECEPTACLE	20	1	100.0	150	150								8					
9	RECEPTACLE	20	1	100.0	150		150							10					
11	RECEPTACLE	15	1	100.0	1000			1000						12					
13	RECEPTACLE	30	1	100.0	1000	1000								14					
15	RECEPTACLE	20	1	100.0	1000		1000							16					
17	RECEPTACLE	20	1	100.0	150			150						18					
19	RECEPTACLE	15	1	100.0	1000	1000								20					
21	RECEPTACLE	15	1	100.0	1000		1000							22					
23	RECEPTACLE	15	1	100.0	1000			1000						24					
25	RECEPTACLE	15	1	100.0	1000	1000								26					
27	RECEPTACLE	15	1	100.0	1000			1000						28					
29	RECEPTACLE	15	1	100.0	1000			1000						30					
31	RECEPTACLE - RUNNING TRACK STORAGE/COMMS RM.	15	1	100.0	200	200								32					
33	RECEPTACLE - RUNNING TRACK STORAGE/COMMS RM.	15	1	100.0	200		200							34					
35	Spare	15	1	--	0			0						36					
37	Spare	15	1	--	0			0						38					
39	Spare	15	1	--	0			0						40					
41	Spare	20	1	--	0			0						42					

Connection/Breaker Type Legend:									
BAS - Building Automation Systems	SFPO - Surge Protection Device	M - Motor	LTG - Lighting						
GFCI - Ground Fault Circuit Interrupter	BLD - Breaker Lock-On Device	DF - Demand Factor	HID - High Intensity Discharge Lighting Breaker						
AFCI - Arc Fault Circuit Interrupter	R.C. - Relay Controlled	REC - Receptacle	D.C. - Direct Connection						

Panel Options - Refer to Panel Notes for selected Options					Panel Totals					Panel Parameters				
1	CSA Enclosure Rating			Estimated Load A [kVA]	3.50 kVA	Voltage	120/208 Vwye							
2	Fused Through			Estimated Load B [kVA]	3.50 kVA	PHASE	3							
3	Sub-Fused			Estimated Load C [kVA]	4.15 kVA	WRES	4							
4	Main Breaker			Total Est. Demand [kVA]	11.15 kVA	MANB [A]	125 A							
5	200% Rated Neutral Bus			Total Conn. Load [kVA]	11.15 kVA	MAIN BREAKER [A], 1 = not required	1							
6	Isolated Ground Bus			Estimated Current A [A]	29 A	I.C. [A]	10							
7	Plug in Breaker			Estimated Current B [A]	29 A									
8	SFPO			Estimated Current C [A]	35 A									

Notes:  
1) Panel Enclosure to be Sprinklerproof.  
2) Panels greater than 66 circuits shall be double tub.  
3) Surge Protection Device (SPD) to be in a separate barned enclosure with separate cover.  
4) Terminate circuits for BAS in 4"x4" junction box 10' from panel.

PANEL RP-1UPS SCHEDULE

Panel: RP-1EV										Smith + Andersen									
Project Name: South Winnipeg Recreation Campus Phase 1										Location: Electrical room R140									
Project #: 22522.000.001										Fed From: TX-1EV									
Description:										Date:									
CCT No.	Connection/Breaker Type - Circuit Description	BKR [A]	Pole #	DF [%]	Estimated Load [VA]	A	B	C	Estimated Load [VA]	DF [%]	Pole #	BKR [A]	Connection/Breaker Type - Circuit Description	CCT No.					
1	GFCI - EV CHARGING STATION, PARKING	40	2	70.0	5040	3600	3600							2					
3	GFCI - EV CHARGING STATION, PARKING	40	2	70.0	5040		3600	3600						4					
5	GFCI - EV CHARGING STATION, PARKING	40	2	70.0	5040	3600	3600							6					
7	GFCI - EV CHARGING STATION, PARKING	40	2	70.0	5040		3600	3600						8					
9	GFCI - EV CHARGING STATION, PARKING	40	2	70.0	5040	3600	3600							10					
11	GFCI - EV CHARGING STATION, PARKING	40	2	70.0	5040	3600	2520							12					
13	GFCI - EV CHARGING STATION, PARKING	40	2	70.0	5040		3600	2520						14					
15	GFCI - EV CHARGING STATION, PARKING	40	2	70.0	5040	3600	2520							16					
17	GFCI - EV CHARGING STATION, PARKING	40	2	70.0	5040		3600	2520						18					
19	GFCI - EV CHARGING STATION, PARKING	40	2	70.0	5040	3600	2520							20					
21	GFCI - EV CHARGING STATION, PARKING	40	2	70.0	5040		3600	2520						22					
23	GFCI - EV CHARGING STATION, PARKING	40	2	70.0	5040	3600	2520							24					
25	GFCI - EV CHARGING STATION, PARKING	40	2	70.0	5040		3600	2520						26					
27	GFCI - EV CHARGING STATION, PARKING	40	2	70.0	5040	3600	2520							28					
29	GFCI - EV CHARGING STATION, PARKING	40	2	70.0	5040		3600	2520						30					
31	GFCI - EV CHARGING STATION, PARKING	40	2	70.0	5040	3600		3600						32					
33	GFCI - EV CHARGING STATION, PARKING	40	2	70.0	5040		3600							34					
35	GFCI - EV CHARGING STATION, PARKING	40	2	70.0	5040	3600		3600						36					
37	GFCI - EV CHARGING STATION, PARKING	40	2	70.0	5040		3600							38					
39	GFCI - EV CHARGING STATION, PARKING	40	2	70.0	5040	3600		3600						40					
41	GFCI - EV CHARGING STATION, PARKING	40	2	70.0	5040		3600							42					
43	GFCI - EV CHARGING STATION, PARKING	40	2	70.0	5040	3600		3600						44					
45	GFCI - EV CHARGING STATION, PARKING	40	2	70.0	5040		3600							46					
47	GFCI - EV CHARGING STATION, PARKING	40	2	70.0	5040	3600		3600						48					
49	GFCI - EV CHARGING STATION, PARKING	40	2	70.0	5040		3600							50					
51	GFCI - EV CHARGING STATION, PARKING	40	2	70.0	5040	3600		3600						52					
53	GFCI - EV CHARGING STATION, PARKING	40	2	70.0	5040		3600							54					
55	GFCI - EV CHARGING STATION, PARKING	40	2	70.0	5040	3600		3600						56					
57	GFCI - EV CHARGING STATION, PARKING	40	2	70.0	5040		3600							58					
59	GFCI - EV CHARGING STATION, PARKING	40	2	70.0	5040	3600		3600						60					
61	GFCI - EV CHARGING STATION, PARKING	40	2	70.0	5040		3600							62					
63	GFCI - EV CHARGING STATION, PARKING	40	2	70.0	5040	3600		3600						64					
65	GFCI - EV CHARGING STATION, PARKING	40	2	70.0	5040		3600							66					
67	GFCI - EV CHARGING STATION, PARKING	40	2	70.0	5040	3600		3600						68					
69	GFCI - EV CHARGING STATION, PARKING	40	2	70.0	5040		3600							70					
71	GFCI - EV CHARGING STATION, PARKING	40	2	70.0	5040	3600		3600						72					
73	GFCI - EV CHARGING STATION, PARKING	40	2	70.0	5040		3600							74					
75	GFCI - EV CHARGING STATION, PARKING	40	2	70.0	5040	3600		3600						76					
77	GFCI - EV CHARGING STATION, PARKING	40	2	70.0	5040		3600							78					
79	GFCI - EV CHARGING STATION, PARKING	40	2	70.0	5040	3600		3600						80					
81	GFCI - EV CHARGING STATION, PARKING	40	2	70.0	5040		3600							82					
83	GFCI - EV CHARGING STATION, PARKING	40	2	70.0	5040	3600		3600						84					

Connection/Breaker Type Legend:									
BAS - Building Automation Systems	SFPO - Surge Protection Device	M - Motor	LTG - Lighting						
GFCI - Ground Fault Circuit Interrupter	BLD - Breaker Lock-On Device	DF - Demand Factor	HID - High Intensity Discharge Lighting Breaker						
AFCI - Arc Fault Circuit Interrupter	R.C. - Relay Controlled	REC - Receptacle	D.C. - Direct Connection						

Panel Options - Refer to Panel Notes for selected Options					Panel Totals					Panel Parameters				
1	CSA Enclosure Rating			Estimated Load A [kVA]	47.88 kVA	Voltage	120/208 Vwye							
2	Fused Through			Estimated Load B [kVA]	47.88 kVA	PHASE	3							
3	Sub-Fused			Estimated Load C [kVA]	45.36 kVA	WRES	4							
4	Main Breaker			Total Est. Demand [kVA]	141.12 kVA	MANB [A]	800 A							
5	200% Rated Neutral Bus			Total Conn. Load [kVA]	139.56 kVA	MAIN BREAKER [A], 1 = not required	1							
6	Isolated Ground Bus			Estimated Current A [A]	480 A	I.C. [A]	35							
7	Plug in Breaker			Estimated Current B [A]	480 A									
8	SFPO			Estimated Current C [A]	439 A									

Notes:  
1) Panel Enclosure to be Sprinklerproof.  
2) Panels greater than 66 circuits shall be double tub.  
3) Surge Protection Device (SPD) to be in a separate barned enclosure with separate cover.  
4) Terminate circuits for BAS in 4"x4" junction box 10' from panel.

PANEL RP-1EV SCHEDULE

Panel: LP-1P										Smith + Andersen									
Project Name: South Winnipeg Recreation Campus Phase 1										Location: Electrical room R140									
Project #: 22522.000.001										Fed From: PP-1A									
Description:										Date:									
CCT No.	Connection/Breaker Type - Circuit Description	BKR [A]	Pole #	DF [%]	Estimated Load [VA]	A	B	C	Estimated Load [VA]	DF [%]	Pole #	BKR [A]	Connection/Breaker Type - Circuit Description	CCT No.					
1	EXTERIOR LIGHTING	15	2	100.0	1120	560	560							2					
3	EXTERIOR LIGHTING_PARKING	15	2	100.0	1120		560	560						4					
5	EXTERIOR LIGHTING_PARKING	15	2	100.0	1120	560	560							6					
7	EXTERIOR LIGHTING_PARKING	15	2	100.0	1120		560	560						8					
9	EXTERIOR LIGHTING_PARKING	15	2	100.0	1120	560	560							10					
11	EXTERIOR LIGHTING_PARKING	15	2	100.0	1120		560	560						12					
13	Spare	20	1	--	0	0	207							14					
15	PYLON SIGNAGE #01	20	1	100.0	500			500	207					16					
17	PYLON SIGNAGE #02	20	1	100.0	500			500	311					18					
19	Spare	20	1	--	0	0	311							20					
21	Spare	20	1	--	0			0						22					
23														24					
25						0								26					
27								0						28					
29									0					30					
31						0								32					
33									0					34					
35										0				36					
37														38					
39														40					
41														42					

Connection/Breaker Type Legend:									
BAS - Building Automation Systems	SFPO - Surge Protection Device	M - Motor	LTG - Lighting						
GFCI - Ground Fault Circuit Interrupter	BLD - Breaker Lock-On Device	DF - Demand Factor	HID - High Intensity Discharge Lighting Breaker						
AFCI - Arc Fault Circuit Interrupter	R.C. - Relay Controlled	REC - Receptacle	D.C. - Direct Connection						

Panel Options - Refer to Panel Notes for selected Options					Panel Totals					Panel Parameters				
1	CSA Enclosure Rating			Estimated Load A [kVA]	2.76 kVA	Voltage	120/208 Vwye							
2	Fused Through			Estimated Load B [kVA]	2.65 kVA									