NEW PANEL: P — ELECTRICAL ENCLOSURE

POWER SUPPLY: 120/240V, 1PH, 3W, 22 KAIC — FED FROM POLE 24
MAINS: 600A
NUMBER OF CCTS: 84

DESCRIPTION	WATTAGE A	WATTAGE B	# P	BKR AMP	CIRCUIT			BKR AMP	# P	WATTAGE A	WATTAGE B	DESCRIPTION
POLE L1 SHROUD RECEPT R1	1920		1	20	1	a	2	20	1	1920		POLE L4 SHROUD RECEPT R19
POLE L1 SHROUD RECEPT R2		1920	1	20	3	b	4	20	1		1920	POLE L4 SHROUD RECEPT R20
POLE L1 SHROUD RECEPT R3	1920		1	20	5	a	6	20	1	1920		POLE L4 SHROUD RECEPT R21
POLE L1 LIGHTS 1 LED		357	1	15	7	b	8	15	1		357	POLE L4 LIGHTS 1 LED
POLE L1 LIGHTS 2 LED	357		1	15	9	a	10	15	1	357		POLE L4 LIGHTS 2 LED
POLE L1 SHROUD RECEPT R4		1920	1	20	11	b	12	20	1		1920	POLE L4 SHROUD RECEPT R22
POLE L1 SHROUD RECEPT R5	2880		2	30	13	a	14	30	2	2880		POLE L4 SHROUD RECEPT R23
		2880			15	b	16				2880	
POLE L1 SHROUD RECEPT R6	2880		2	30	17	a	18	30	2	2880		POLE L4 SHROUD RECEPT R24
		2880			19	b	20				2880	
POLE L2 SHROUD RECEPT R7	1920		1	20	21	a	22	20	1	1920		POLE L5 SHROUD RECEPT R25
POLE L2 SHROUD RECEPT R8		1920	1	20	23	b	24	20	1		1920	POLE L5 SHROUD RECEPT R26
POLE L2 SHROUD RECEPT R9	1920		1	20	25	a	26	20	1	1920		POLE L5 SHROUD RECEPT R27
POLE L2 LIGHTS 1 LED		357	1	15	27	b	28	15	1		357	POLE L5 LIGHTS 1 LED
POLE L2 LIGHTS 2 LED	357		1	15	29	a	30	15	1	357		POLE L5 LIGHTS 2 LED
POLE L2 SHROUD RECEPT R10		1920	1	20	31	b	32	20	1		1920	POLE L5 SHROUD RECEPT R28
POLE L2 SHROUD RECEPT R11	2880		2	30	33	a	34	30	2	2880		POLE L5 SHROUD RECEPT R29
		2880			35	b	36				2880	
POLE L2 SHROUD RECEPT R12	2880		2	30	37	a	38	30	2	2880		POLE L5 SHROUD RECEPT R30
		2880			39	b	40				2880	
POLE L3 SHROUD RECEPT R13	1920		1	20	41	a	42					
POLE L3 SHROUD RECEPT R14		1920	1	20	43	b	44					
POLE L3 SHROUD RECEPT R15	1920		1	20	45	a	46	20	1	1920		ENCLOSURE RECEPTACLE R31
POLE L3 LIGHTS 1 LED		357	1	15	47	b	48	15	1		200	ENCLOSURE STRIP HEATER
POLE L3 LIGHTS 2 LED	357		1	15	49	a	50	15	1	500		TIME CLOCK
POLE L3 SHROUD RECEPT R16		1920	1	20	51	b	52					
POLE L3 SHROUD RECEPT R17	2880		2	30	53	a	54	20	1			SPARE
		2880			55	b	56	20	1			SPARE
POLE L3 SHROUD RECEPT R18	2880		2	30	57	a	58	30	1			SPARE
		2880			59	b	60	30	1			SPARE
					61	a	62	30	2			SPARE
					63	b	64					
					65	a	66	30	2			SPARE
					67	b	68					
					69	a	70	100	2	11160		PANEL A - POLE 20
					71	b	72				14400	
					73	a	74	150	2	16620		PANEL B - POLE 22
					75	b	76				16470	
					77	a	78	100	2	6870		PANEL C - POLE 26
					79	b	80				6720	
					81	a	82	100	2	9600		PANEL F - POLE 11
					83	b	84				11040	
PHASE LOADS:	29871	29871								66584	68744	
TOTAL LOAD:	195070											
TOTAL PHASE LOADS	96455	98615										
+/- 5%	92890	102412										(GFI) - GROUND FAULT INTERRUPT BREAKER
CURRENT (A) @ 240V	813	(See Service Calculation Detail 3 on Dwg E2)										(+) - LOCKING BREAKER

EXISTING PANEL: A — POLE 20

POWER SUPPLY: 120/240V, 1PH, 3W, 10KAIC — RE-FED FROM PANEL P AT POLE 22
MAINS: 100A, M.C.B., 100A, 2P
NUMBER OF CCTS: 24

	DESCRIPTION	WATTAGE A	WATTAGE B	# P	BKR AMP	CIRCUIT			BKR AMP	# P	WATTAGE A	WATTAGE B	DESCRIPTION	
	POLE 20 - LTS	150		1	15	1	a	2	20	1	1920		POLE 20 - RECEPT	GFI
	WELDING OUTLET - 50A, 2P		4800	2	50	3	b	4	20	1		1920	POLE 20 - RECEPT	GFI
		4800				5	a	6	20	1				GFI
				1	15	7	b	8	20	1				GFI
GFI				1	20	9	a	10	20	1				GFI
						11	b	12						
						13	a	14						
						15	b	16						
						17	a	18						
						19	b	20						
						21	a	22						
						23	b	24						
	PHASE LOADS:	4950	4800								1920	1920		
	TOTAL LOAD:	13590												
	TOTAL PHASE LOADS	6870	6720											
	+/- 5%	6471	7135										(GFI) - GROUND FAULT INTERRUPT BREAKER	
	CURRENT (A) @ 240V	57											(+) - LOCKING BREAKER	

EXISTING PANEL: A1 — POLE 19

POWER SUPPLY: 120/240V, 1PH, 3W, 10KAIC — FED FROM PANEL P THRU PANEL A
MAINS: 100A
NUMBER OF CCTS: 12

	DESCRIPTION	WATTAGE A	WATTAGE B	# P	BKR AMP	CIRCUIT			BKR AMP	# P	WATTAGE A	WATTAGE B	DESCRIPTION	
	POLE 17, 18, 19 - LTS	450		1	15	1	a	2					SPACE	
GFI	POLE 18 - RECEPT		1920	1	20	3	b	4	20	1		1920	POLE 17 - RECEPT	GFI
GFI	POLE 18 - RECEPT	1920		1	20	5	a	6	20	1	1920		POLE 17 - RECEPT	GFI
GFI	POLE 19 - RECEPT		1920	1	20	7	b	8	20	1		1920	POLE 19 - RECEPT	GFI
						9	a	10						
						11	b	12						
						13	a	14						
						15	b	16						
						17	a	18						
						19	b	20						
						21	a	22						
						23	b	24						
	PHASE LOADS:	2370	3840								1920	3840		
	TOTAL LOAD:	11970												
	TOTAL PHASE LOADS	4290	7680											
	+/- 5%	5700	6284										(GFI) - GROUND FAULT INTERRUPT BREAKER	
	CURRENT (A) @ 240V	50											(+) - LOCKING BREAKER	

EXISTING PANEL: B — POLE 22

POWER SUPPLY: 120/240V, 1PH, 3W, 10KAIC — RE-FED FROM PANEL P
MAINS: 225A; 200A, 2P. M.C.B.
NUMBER OF CCTS: 40

	DESCRIPTION	WATTAGE A	WATTAGE B	# P	BKR AMP	CIRCUIT			BKR AMP	# P	WATTAGE A	WATTAGE B	DESCRIPTION	
	POLE 22 - LTS	150		1	20	1	a	2	20	1	150		POLE 21 - LTS	
	POLE 25 - LTS		150	1	20	3	b	4	20	1		1920	POLE 21 - RECEPT	GFI
GFI	POLE 22 - RECEPT	1920		1	20	5	a	6	20	1	1920		POLE 21 - RECEPT	GFI
GFI	POLE 22 - RECEPT		1920	1	20	7	b	8	20	2		1920	BUYERS SHED	
GFI	POLE 25 - RECEPT	1920		1	20	9	a	10			1920			
GFI	POLE 25 - RECEPT		1920	1	20	11	b	12						
						13	a	14						
						15	b	16						
						17	a	18						
						19	b	20						
	POLE 22 - WELDING RECEPT	4800		2	50	21	a	22						
			4800			23	b	24						
						25	a	26						
						27	b	28						
						29	a	30						
						31	b	32						
	WINCH	3840		2	40	33	a	34						
			3840			35	b	36	100	2			SPARE - FORMER PANEL A - POLE 20	
	SPARE - FORMER PANEL C - POLE 25			2	100	37	a	38						
						39	b	40						
	PHASE LOADS:	12630	12630								3990	3840		
	TOTAL LOAD:	33090												
	TOTAL PHASE LOADS	16620	16470											
	+/- 5%	15757	17372										(GFI) - GROUND FAULT INTERRUPT BREAKER	
	CURRENT (A) @ 240V	138											(+) - LOCKING BREAKER	

EXISTING PANEL: C — POLE 26

POWER SUPPLY: 120/240V, 1PH, 3W, 10KAIC — RE-FED FROM PANEL P AT POLE 22
MAINS: 100A, 2P. M.C.B
NUMBER OF CCTS: 24

	DESCRIPTION	WATTAGE A	WATTAGE B	# P	BKR AMP	CIRCUIT			BKR AMP	# P	WATTAGE A	WATTAGE B	DESCRIPTION	
	WELDING OUTLET	4800		2	50	1	a	2	20	1				
			4800			3	b	4	20	1				
	SPARE - FORMER PANELS D,E,F			2	100	5	a	6	20	1	1920		POLE 26 - RECEPT	GFI
						7	b	8	20	1		1920	POLE 26 - RECEPT	GFI
						9	a	10	30	1	150		POLE 26 - LTS	
						11	b	12						
	SPARE			2	100	13	a	14						
						15	b	16						
						17	a	18						
						19	b	20						
						21	a	22						
						23	b	24						
	PHASE LOADS:	4800	4800								2070	1920		
	TOTAL LOAD:	13590												
	TOTAL PHASE LOADS	6870	6720											
	+/- 5%	6471	7135										(GFI) - GROUND FAULT INTERRUPT BREAKER	
	CURRENT (A) @ 240V	57											(+) - LOCKING BREAKER	

EXISTING PANEL: D — POLE 27

POWER SUPPLY: 120/240V, 1PH, 3W, 10KAIC — FED FROM PANEL C
MAINS: 100A; 100A, 2P M.C.B. — DELETED IN PHASE #1
NUMBER OF CCTS: 16

DESCRIPTION	WATTAGE A	WATTAGE B	# P	BKR AMP	CIRCUIT			BKR AMP	# P	WATTAGE A	WATTAGE B	DESCRIPTION
					1	a	2	15	1			
					3	b	4	15	2			
					5	a	6					
					7	b	8	15	2			
					9	a	10					
					11	b	12	20	1			
					13	a	14	20	1			
					15	b	16					
PHASE LOADS:												
TOTAL LOAD:												
TOTAL PHASE LOADS												
+/- 5%												(GFI) - GROUND FAULT INTERRUPT BREAKER
CURRENT (A) @ 240V												(+) - LOCKING BREAKER

EXISTING PANEL: E — POLE 29

POWER SUPPLY: 120/240V, 1PH, 3W, 10KAIC — FED FROM PANEL D
MAINS: 100A; 100A, 2P M.C.B. — DELETED IN PHASE #1
NUMBER OF CCTS: 16

DESCRIPTION	WATTAGE A	WATTAGE B	# P	BKR AMP	CIRCUIT			BKR AMP	# P	WATTAGE A	WATTAGE B	DESCRIPTION
					1	a	2	15	2			
					3	b	4					
					5	a	6					
					7	b	8					
					9	a	10					
					11	b	12					
					13	a	14					
					15	b	16					
PHASE LOADS:												
TOTAL LOAD:												
TOTAL PHASE LOADS												
+/- 5%												(GFI) - GROUND FAULT INTERRUPT BREAKER
CURRENT (A) @ 240V												(+) - LOCKING BREAKER

EXISTING PANEL: F — POLE 11

POWER SUPPLY: 120/240V, 1PH, 3W, 10KAIC — FED FROM PANEL E
MAINS: 100A; 100A, 2P M.C.B. — RE-FED FROM PANEL P
NUMBER OF CCTS: 24 — PROVIDE NEW PANEL IN PHASE 3

DESCRIPTION	WATTAGE A	WATTAGE B	# P	BKR AMP	CIRCUIT			BKR AMP	# P	WATTAGE A	WATTAGE B	DESCRIPTION
					1	a	2					
					3	b	4					
					5	a	6					
BUILDING		3840	2	40	7	b	8					
	3840				9	a	10					
POLE 13 - RECEPT		1440	1	15	11	b	12					
POLE 13 - RECEPT	1920		1	20	13	a	14					
SPLIT RECEPT - POLE 11		1920	2	20	15	b	16	30	1			SPARE
	1920				17	a	18	30	1			SPARE
SPLIT RECEPT - POLE 11		1920	2	20	19	b	20	20	2			SPARE
	1920				21	a	22					
LAST POLE 3A - LT + 2 RECEPT		1920	1	20	23	b	24	20	1			SPARE
PHASE LOADS:	9600	11040										
TOTAL LOAD:	20640											
TOTAL PHASE LOADS	9600	11040										
+/- 5%	9829	10836										(GFI) - GROUND FAULT INTERRUPT BREAKER
CURRENT (A) @ 240V	86											(+) - LOCKING BREAKER

PANEL SCHEDULES — 1/E5
SCALE/ÉCHELLE : N.T.S./P.É.

PWGSC B1 (2004)

0 10 20mm 40 60 80 100 120 140 160 180 200mm

E-DRM/GDD-E: 553373v1 2016

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INNOVATIVE ENGINEERING AND DESIGN
STRUCTURAL ENGINEERING | STRUCTURAL HEALTH MONITORING

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THE ASSOCIATION OF PROFESSIONAL ENGINEERS OF THE PROVINCE OF PRINCE EDWARD ISLAND
VALID FOR THE YEAR 2021
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project / projet
WHARF CONSTRUCTION
411 & 412
SKINNERS POND SCH
PRINCE COUNTY
PRINCE EDWARD ISLAND

drawing / dessin
ELECTRICAL
PANEL SCHEDULES

designed RALPH SMITH — conçu — date 2021.12.10
drawn JODI PARKER — dessiné — date 2021.12.10
approved TRACEY MCDADE — approuvé — date 2021.12.10
Tender — Soumission
PSPC Project Manager — Administrateur de projets SPAC

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E5 of 5