



THE ASSOCIATION OF PROFESSIONAL ENGINEERS OF THE PROVINCE OF ONTARIO
 RENDY O'CONNOR
 No. 1275
 DATE: 08/11/17
 REGISTERED PROFESSIONAL ENGINEER
 PROVINCE OF ONTARIO

5	ISSUED FOR TENDER	08.15 2017
4	RS4 - 100% SUBMISSION	09.01 2017
3	RS4 - 99% SUBMISSION	06.30 2017
2	RS4 - 66% SUBMISSION	06.01 2017
1	RS4 - 33% SUBMISSION	04.30 2017
0	RS3 SUBMISSION	03.31 2017

project GREEN GABLES-PHASE 2
 NEW VISITOR CENTRE
 QUEENS CO., PEI

drawing ELECTRICAL
 SCHEDULES
 1 OF 2

designed JAS
 date MAR-2017
 drawn ALW
 date MAR-2017
 approved
 date
 Tender Submission
 PWSCG Project Manager / Administrateur de projets TPSCG
 project number R.081199.001
 drawing no. EGO4 OF 7

Power: 120/208 V 3 @ 4 W		PANEL GP.1		SYM. IC.: 18000 A			
# OF CKTS.: 42		LOCATION ELECTRICAL ROOM E102		MAINS: 225 A			
INCOMING: PANEL DP.1				MAIN BKR: N/A A			
Designation	CKT #	Watts	BKR	PHASE a b c	Watts	CKT#	Designation
LOBBY RECEPTACLES	1	480	20	X	15	240	2
SPARE	3	15	15	X	20	720	4
SAFE/STORAGE/LOBBY RECEPTACLES	5	360	15	X	20	480	6
MECH. RM RECEPTACLES	7	480	20	X	15	120	8
MALE WR/FEMALE WR / JANITOR RM / HALL RECEPTACLES	9	480	20	X	20	960	10
COMMS. DATA RACK	11	1920	20	X	15	360	12
COMMS. DATA RACK	13	1920	20	X	15	40	14
COMMS. ROOM RECEPTACLES	15	240	20	X			16
SPARE	17	15	15	X			18
SPARE	19	15	15	X			20
SPARE	21	15	15	X			22
SPARE	23	20	20	X			24
SPARE	25	20	20	X			26
SPARE	27	20	20	X			28
SPARE	29	20	20	X			30
SPARE	31	20	20	X			32
SPARE	33	20	20	X			34
-	35			X			36
-	37			X			38
-	39			X			40
-	41			X			42

Phase A Total	3280	W	27.3	A
Phase B Total	2400	W	20.0	A
Phase C Total	3120	W	26.0	A
TOTAL	8800	W	24.5	A

Power: 120/208 V 3 @ 4 W		PANEL MP.1		SYM. IC.: 18000 A			
# OF CKTS.: 72		LOCATION ELECTRICAL ROOM E102		MAINS: 400 A			
INCOMING: PANEL DP.1				MAIN BKR: N/A A			
Designation	CKT #	Watts	BKR	PHASE a b c	Watts	CKT#	Designation
JANITOR RM WATER HEATER	1	1500	20	X	20	1500	2
STAFF KITCHEN WATER HEATER	3	1500	20	X	15	35	4
GIFT SHOP INDOOR UNIT 1	5	85	15	X	15	35	6
GIFT SHOP INDOOR UNIT 2	7	85	15	X	25	2330	8
LOBBY INDOOR UNIT 1	9	85	15	X	25	2330	10
LOBBY INDOOR UNIT 2	11	85	15	X	25	2330	12
LOBBY DUCT HEATER 1	13	450	15	X	25	2330	14
LOBBY DUCT HEATER 2	15	450	15	X	25	2330	16
LOBBY DUCT HEATER 2	17	450	15	X	25	2330	18
LOBBY DUCT HEATER 2	19	8670	70	X	15	450	20
LOBBY INDOOR UNIT 2	21	8670	70	X	15	450	22
LOBBY DUCT HEATER 2	23	8670	70	X	15	450	24
LOBBY DUCT HEATER 2	25	450	15	X	70	6670	26
LOBBY DUCT HEATER 2	27	450	15	X	70	6670	28
LOBBY DUCT HEATER 2	29	450	15	X	70	6670	30
EXHIBIT HALL INDOOR UNIT 2	31	8670	70	X	15	195	32
EXHIBIT HALL INDOOR UNIT 2	33	8670	70	X	15	195	34
SPACE	35	8670	70	X			36
EXHIBIT HALL DUCT HEATER 2	37	1000	15	X	45	4000	38
EXHIBIT HALL DUCT HEATER 2	39	80	15	X	45	4000	40
EXHIBIT HALL DUCT HEATER 2	41	80	15	X	45	4000	42
OFFICES DUCT HEATER	43	1170	15	X	15	1170	44
OFFICES DUCT HEATER	45	1170	15	X	15	1170	46
OFFICES DUCT HEATER	47	1170	15	X	15	1170	48
OFFICES INDOOR UNIT	49	80	15	X			50
SPARE	51	80	15	X			52
SPARE	53	15	15	X			54
SPARE	55	15	15	X			56
SPARE	57	20	20	X			58
SPARE	59	20	20	X			60
-	61			X	45	62	
-	63			X	45	64	
-	65			X	45	66	
-	67			X	70	68	
MECHANICAL CONTROLS	69	15	15	X	70	70	
MECHANICAL CONTROLS	71	15	15	X	70	72	

Phase A Total	36700	W	305.8	A
Phase B Total	34295	W	285.8	A
Phase C Total	32625	W	271.9	A
TOTAL	103620	W	288.0	A

Power: 120/208 V 3 @ 4 W		PANEL TP.1		SYM. IC.: 18000 A			
# OF CKTS.: 30		LOCATION STORAGE RM E109		MAINS: 225 A			
INCOMING: PANEL DP.1				MAIN BKR: N/A A			
Designation	CKT #	Watts	BKR	PHASE a b c	Watts	CKT#	Designation
GIFT SHOP FLOOR RECEPTACLES	1	720	20	X	100	1360	2
GIFT SHOP RECEPTACLES	3	120	20	X	100	300	4
STORAGE / WASHROOM RECEPTACLES	5	480	15	X	100	0	6
SPARE	7	15	15	X	15		8
SPARE	9	15	15	X	15		10
SPARE	11	15	15	X	15		12
SPARE	13	20	20	X	20		14
SPARE	15	20	20	X	20		16
SPARE	17	20	20	X	20		18
-	19			X			20
-	21			X			22
-	23			X			24
-	25			X			26
-	27			X			28
-	29			X			30

Phase A Total	2080	W	17.3	A
Phase B Total	420	W	3.5	A
Phase C Total	480	W	4.0	A
TOTAL	2980	W	8.3	A

Power: 120/208 V 3 @ 4 W		PANEL GP.2		SYM. IC.: 18000 A			
# OF CKTS.: 42		LOCATION STAFF KITCHEN RM E119		MAINS: 225 A			
INCOMING: PANEL DP.1				MAIN BKR: N/A A			
Designation	CKT #	Watts	BKR	PHASE a b c	Watts	CKT#	Designation
STAFF KITCHEN REFRIDGERATOR RECEPTACLE	1	500	15	X	20	720	2
STAFF KITCHEN COUNTER RECEPTACLE	3	120	20	X	20	720	4
STAFF KITCHEN COUNTER RECEPTACLE	5	120	20	X	15	600	6
STAFF KITCHEN RECEPTACLES	7	480	15	X	20	480	8
MULTI-PURPOSE RM RECEPTACLES	9	840	15	X	20	960	10
MULTI-PURPOSE RM PROJECTOR	11	240	15	X	15	960	12
SPARE	13	15	15	X			14
SPARE	15	15	15	X			16
SPARE	17	15	15	X			18
SPARE	19	15	15	X			20
SPARE	21	20	20	X			22
SPARE	23	20	20	X			24
SPARE	25	20	20	X			26
SPARE	27	20	20	X			28
SPARE	29	20	20	X			30
-	31			X			32
-	33			X			34
-	35			X			36
-	37			X			38
ELECTRIC RANGE	39	4000	50	X			40
ELECTRIC RANGE	41	4000	50	X			42

Phase A Total	2180	W	18.2	A
Phase B Total	6640	W	55.3	A
Phase C Total	5920	W	49.3	A
TOTAL	14740	W	41.0	A

Power: 120/208 V 3 @ 4 W		PANEL TPL.1		SYM. IC.: 18000 A			
# OF CKTS.: 30		LOCATION STORAGE RM E109		MAINS: 225 A			
INCOMING: PANEL DP.1				MAIN BKR: N/A A			
Designation	CKT #	Watts	BKR	PHASE a b c	Watts	CKT#	Designation
GIFTSHOP TRACK LIGHTS / EMERGENCY LIGHTING	1	1360	15	X	15	2	SPARE
GIFTSHOP STORAGE / WR / COUNTER / EMERGENCY LIGHTING	3	300	15	X	15	4	SPARE
SPARE	5	15	15	X	15	6	SPARE
SPARE	7	15	15	X	15	8	SPARE
SPARE	9	15	15	X	15	10	SPARE
SPARE	11	20	20	X	20	12	SPARE
SPARE	13	20	20	X	20	14	SPARE
SPARE	15	20	20	X	20	16	SPARE
-	17			X			18
-	19			X			20
-	21			X			22
-	23			X			24
-	25			X			26
-	27			X			28
-	29			X			30

Phase A Total	1360	W	11.3	A
Phase B Total	300	W	2.5	A
Phase C Total	0	W	0.0	A
TOTAL	1660	W	4.8	A