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WE

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NT/NU
Sept 10, 2015

PERMIT TO PRACTICE
WILLIAMS ENGINEERING CANADA INC.
PERMIT NUMBER
P-646
NWT/NU Association of Professional Engineers and Geoscientists

PANEL LOW VOLTAGE RELAY CABINET 2C - EXISTING

RELAY	LOCATION	CIRCUIT	SEQUENCE	SWITCH
1	SERVICE CANADA FLUORESCENTS	2C2	D	A
2	SERVICE CANADA FLUORESCENTS	2C2	D	B
3	SERVICE CANADA SOUTH OFFICE	2C2	C	N
4	SERVICE CANADA SW FLUORESCENTS	2C4	D	C
5	SERVICE CANADA MAIN OFFICE	2C4	A	O
6	SERVICE CANADA SW FLUORESCENTS	2C6	D	D
7	SERVICE CANADA LARGE OFFICE	2C6	D	E
8	SERVICE CANADA CENTRAL POTLIGHTS	2C8	C	F,H
9	SERVICE CANADA CENTRAL SCONGES	2C10	C	G,J
10	MEETING ROOM	2C10	C	J
11	SERVICE CANADA TECH. ROOM	2C10	C	K
12	STORAGE ROOM	2C10	C	L
13	SERVICE CANADA TECH. ROOM	2C10	C	M
14	2ND FLOOR BRIDGE	2C10		-
15	OFFICES	2C3		N
16	OFFICES	2C3		O
17	OFFICES	2C5		P
18	OFFICE	2C5		Q
19	OFFICE	2C11		R
20	OFFICES	2C7		S
21	OFFICES	2C7		T
22	OFFICE	2C9		U
23	OFFICE	2C9		V
24	OFFICE	2C9		W
25	OFFICE	-		-
26	OFFICE	-		-
27	ELEVATOR LOBBY	-		-
28	OFFICE	2C5		N1
29	OFFICE	2C5		O1
30	CORRIDOR	2C6		N1
31	WASHROOM	2C13		W
32	WASHROOM	2C12		-
33	WASHROOM	2C11		R
34	COMMUNICATION ROOM	2C3		P
35	STORAGE ROOM	2C7		O
36	CORRIDOR	2C21		-
37	ATRIUM	2C9		X
38	ATRIUM	2C9		Y
39	ATRIUM	2C9		I
40	ATRIUM	2C9		Z
41	ATRIUM	2C13		A1
42	ATRIUM	2C13		B1,C1
43	ATRIUM	2C13		D1
44	ATRIUM	2C13		E1
45	ATRIUM	2C13		F1
46	ATRIUM	2C4		G1
47	ATRIUM	2C21		H1
48	ATRIUM	2C21		I
49	QUIET ROOM	2C8	A	P1
50	GENERAL OFFICE 253 POTLIGHTS	2C8	C	Q1
51	OFFICE 254	2C6	A	R1
52	MEETING ROOM 255	2C6	C	S1

PANEL LOW VOLTAGE RELAY CABINET 2C - NEW

RELAY	LOCATION	CIRCUIT	SEQUENCE	SWITCH
1	CORRIDOR LIGHTS	2C10	E	A
2	CORRIDOR LIGHTS	2C10	E	B
3	OFFICE 210	2C2	A	N
4	GENERAL OFFICE 207	2C4	D	C
5	LIBRARY COLLABORATIVE SPACE 250	2C4	C	O
6	GENERAL OFFICE 253	2C6	D	D
7	GENERAL OFFICE 253	2C6	D	E
8	GENERAL OFFICE 202	2C8	C	H
9	GENERAL OFFICE 202	2C2	C	G
10	MEETING ROOM 203	2C2	C	J
11	QUIET ROOM 205	2C8	A	K
12	UNDESIGNATED SPACE 206	2C4	A	L
13	LIBRARY COLLABORATIVE SPACE 250	2C10	C	M
14	BRIDGE	2C10		-
15	OFFICES	2C3		N
16	OFFICES	2C3		O
17	OFFICES	2C5		P
18	OFFICE	2C5		Q
19	OFFICE	2C11		R
20	OFFICES	2C7		S
21	OFFICES	2C7		T
22	OFFICE	2C9		U
23	OFFICE	2C9		V
24	OFFICE	2C9		W
25	OFFICE	-		-
26	OFFICE	-		-
27	ELEVATOR LOBBY	-		-
28	OFFICE	2C5		N1
29	OFFICE	2C5		O1
30	CORRIDOR	2C6		N1
31	WASHROOM	2C13		W
32	WASHROOM	2C12		-
33	WASHROOM	2C11		R
34	COMMUNICATION ROOM	2C3		P
35	STORAGE ROOM	2C7		O
36	CORRIDOR	2C21		-
37	ATRIUM	2C9		X
38	ATRIUM	2C9		Y
39	ATRIUM	2C9		I
40	ATRIUM	2C9		Z
41	ATRIUM	2C13		A1
42	ATRIUM	2C13		B1,C1
43	ATRIUM	2C13		D1
44	ATRIUM	2C13		E1
45	ATRIUM	2C13		F1
46	ATRIUM	2C4		G1
47	ATRIUM	2C21		H1
48	ATRIUM	2C21		I
49	QUIET ROOM	2C8	A	P1
50	GENERAL OFFICE 253 POTLIGHTS	2C8	C	Q1
51	OFFICE 254	2C6	A	R1
52	MEETING ROOM 255	2C6	C	S1

LIGHTING SEQUENCE

A	FULL OCCUPANCY SENSOR CONTROL.
B	ON AT 6:00 AM, HOURLY SWEEPS OFF FROM 6:00 PM TO 6:00AM.
C	SWITCH PROVIDES ON/OFF CONTROL. HOURLY SWEEPS OFF FROM 6:00 PM TO 6:00AM.
D	SWITCH PROVIDES ON/OFF CONTROL. PEC TURNS LIGHTS OFF WHEN DESK ILLUMINATION EXCEEDS 700 LUX. PEC TURNS LIGHTS ON WHEN DESK ILLUMINATION IS BELOW 300 LUX. 30 SECOND DELAY. HOURLY SWEEPS OFF FROM 6:00 PM TO 6:00 AM.
E	TYPICAL OF CORRIDORS IN THE BUILDING. EXACT INFORMATION TO BE CONFIRMED ON SITE

PANEL SCHEDULE

PANEL	2A		LOCATION	PHASE	WIRE												
	L1	L2	ELEC. ROOM	3	4												
NOTES: * PROVIDE BREAKER LOCK ON																	
LOADS			DESCRIPTION	POLE	AMP	CCT. NO.	Ø			CCT. NO.	AMP	POLE	DESCRIPTION	LOADS			
L1	L2	L3					A	B	C					L1	L2	L3	
			ZONE BOX	1	15	1				2	15	1	ZONE BOX				
			ZONE BOX	1	15	3				4	15	1	ZONE BOX				
			ZONE BOX	1	15	5				6	15	1	ZONE BOX				
			ZONE BOX	1	15	7				8	15	1	ZONE BOX				
			ZONE BOX	1	15	9				10	15	1	ZONE BOX				
			ZONE BOX	1	15	11				12	15	1	ZONE BOX				
			ZONE BOX	1	15	13				14	15	1	ZONE BOX				
			ZONE BOX	1	15	15				16	15	1	ZONE BOX				
			ZONE BOX	1	15	17				18	15	1	ZONE BOX				
			ZONE BOX	1	15	19				20	15	1	ZONE BOX				
			ZONE BOX	1	15	21				22	15	1	ZONE BOX				
			ZONE BOX	1	15	23				24	15	1	ZONE BOX				
			ZONE BOX	1	15	25				26	15	1	ZONE BOX				
			ZONE BOX	1	15	27				28	15	1	ZONE BOX				
			ZONE BOX	1	15	29				30	15	1	ZONE BOX				
			REC RM.204	1	15	31				32	15	1	ZONE BOX				
			REC RM.204	1	15	33				34	15	1	ZONE BOX				
			REC RM.204	1	15	35				36	15	1	ZONE BOX				
			REC RM.204	1	15	37				38	15	1	ZONE BOX				
			2ND FLOOR HANDICAP DOOR CONTROLLES	1	15	39				40	15	1	CONVENIENCE REC WEST WING				
			REC RM.204	1	15	41				42	15	1	CONVENIENCE REC WEST WING				
			REC RM.204	1	15	43				44	15	1	CONVENIENCE REC WEST WING				
			REC RM.204	1	15	45				46	15	1	ST-2 REC				
			REC RM.204	1	15	47				48	15	1	ST-1 REC BOARDROOM				
			FRIDGE	1	15	49				50	15	1	OFIC REC WASHROOM				
			COUNTER REC RM 212-01011	1	15	51				52	15	1	SECURITY PANEL RM 204				
			COUNTER REC RM 212-01011	1	15	53				54	15	1	ELEVATOR LOBBY				
			COUNTER REC RM 212-01011	1	15	55				56	15	1	ZONE BOX				
			ZONE BOX	1	15	57				58	15	1	KITCHEN RECEPTACLES				
			KITCHEN RECEPTACLES	1	15	59				60	15	1	KITCHEN RECEPTACLES				
			KITCHEN RECEPTACLES	1	15	61				62	15	1	OVER HEAD PROJECTOR				
			RECEPTACLES - SHARED EQUIPMENT	1	15	63				64	15	1	RECEPTACLES - SHARED EQUIPMENT				
				1	15	65				66	15	1					
				1	15	67				68	15	1					
				1	15	69				70	15	1					
				1	15	71				72	15	1					
				1	15	73				74	15	1					
				1	15	75				76	15	1					
				1	15	77				78	15	1					
				1	15	79				80	15	1					
				1	15	81				82	15	1					
				1	15	83				84	15	1					

LIGHTING LEVEL TABLE

ROOM	AVERAGE (LUX)	MAX (LUX)	MIN (LUX)	MAX/MIN	AVG/MIN
OFFICE 210	416	742	185	3.9	2.2
OFFICE 254	429	707	216	3.3	2.0
UNDESIGNATED SPACE 206	489	644	303	2.1	1.6
QUIET ROOM 205	424	553	249	2.2	1.7
QUIET ROOM 256	415	539	301	1.8	1.4
MEETING ROOM 255	393	974	119	8.2	3.3
COLLABORATIVE SPACE 208	516	831	304	2.7	1.7
GENERAL OFFICE 207	365	811	143	5.7	2.6
LIBRARY COLLABORATIVE SPACE 250	399	971	67.7	14.4	5.9
GENERAL OFFICE 253	451	854	88	9.7	5.1
KITCHENETTE 209	263	649	97	6.6	2.7
MEETING ROOM 203	340	604	146	4.4	2.3
SHARED EQUIPMENT ROOM	311	750	127	5.9	2.5
SHARED EQUIPMENT ROOM	303	786	27	28	11

NOTE : SOME EXISTING FIXTURES WERE MODELLED BY THEIR SIMILAR COUNTERPARTS

A	ISSUED FOR TENDER	2015.09.11
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REVISIONS	DESCRIPTION	DATE

A detail number number du detail
B source drawing no. de dessin no.
C detail on drawing no. detail sur dessin no.

project title: **NRCan and Parks Canada Fit-Up 2nd Floor Greenstone Yellowknife, N.W.T.**

drawing title: **ELECTRICAL SCHEDULES**

designed by: **UG** concu par
drawn by: **UG** dessine par
approved by: **BR** approuve par

PWSSC Project Manager: **BR** Administrateur de Projets TPSGC

scale: **AS NOTED** eschelle: sheet: **E3** feuille:
project no.: **R.067351 & 067352** projet no.:
date: **2015.09.10** date: **OF 3**