MOTOR/EQUIPMENT SCHEDULE

EQUIPMENT					PANEL	CCT. #	PKG	STARTER						CONTROLS				FIRE ALARM	REMARKS	SEE NOTES
ITEM	DESCRIPTION	LOCATION	KW/HP/AMPS	VOLTS/Ø			UNIT	TYPE	FUNC	PL	PB	HOA	SUPPLY BY	TYPE	SUPPLY BY	INSTALL BY	WIRE BY	SHUT DOWN		BELOW
RTU-1.N	ROOF TOP UNIT	ROOF ABOVE OFFICE		575/3	MD-1		Y							T	MECH	MECH	MECH	Y		6, 9
EF-1.N	EXHAUST FAN			120/1				MAG				Y	ELEC		MECH	MECH	MECH			6
EF-2.N	EXHAUST FAN	BASEMENT PESTICIDE LAB		120/1				MAG				Y	ELEC		MECH	MECH	MECH			6
EF-3.N	EXHAUST FAN			120/1				MAG				Y	ELEC		MECH	MECH	MECH			6
ERV-1.N	ENERGY RECOVERY VENTILATOR	ECC CEILING SPACE	500WATTS	120/1	PNL BE2	1	Y								MECH	MECH	MECH			6
AC-1.N	AIRCON UNIT	ECC CEILING SPACE	3.5MCA	208/1	PNL BE2	3,5	Y							T	MECH	MECH	MECH	Y		6
CU-1.N	CONDENSING UNIT	CORRIDOR CEILING SPACE	26MCA	208/1	PNL BE2	7,9	Y							T	MECH	MECH	MECH			6
AC-2.N	AIRCON UNIT	ECC CEILING SPACE	1.0MCA	208/1	PNL BE2	11,13	Y							T	MECH	MECH	MECH	Y		6
CU-2.N	CONDENSING UNIT	CORRIDOR CEILING SPACE	25MCA	208/1	PNL BE2	15,17	Y							T	MECH	MECH	MECH			6
AC-3.N	AIRCON UNIT	ECC CEILING SPACE	1.0MCA	208/1	PNL 100	39,40	Y							T	MECH	MECH	MECH	Y		6
CU-3.N	CONDENSING UNIT	CORRIDOR CEILING SPACE	25MCA	208/1	PNL 100	41,42	Y							T	MECH	MECH	MECH			6
VAV-1.1.N	VARIABLE AIR VOLUME BOX	QUIET ROOM	100WATTS	120/1	PNL 200A	1									MECH	MECH	MECH			
VAV-1.2.N	VARIABLE AIR VOLUME BOX	LEADERSHIP	100WATTS	120/1	PNL 200A	1									MECH	MECH	MECH			
VAV-1.3.N	VARIABLE AIR VOLUME BOX	QUIET ROOM	100WATTS	120/1	PNL 200A	1									MECH	MECH	MECH			
VAV-1.4.N	VARIABLE AIR VOLUME BOX	LEADERSHIP	100WATTS	120/1	PNL 200A	1									MECH	MECH	MECH			
VAV-1.5.N	VARIABLE AIR VOLUME BOX	MEETING ROOM	100WATTS	120/1	PNL 200A	2									MECH	MECH	MECH			
VAV-1.6.N	VARIABLE AIR VOLUME BOX	LEADERSHIP	100WATTS	120/1	PNL 200A	2									MECH	MECH	MECH			
VAV-1.7.N	VARIABLE AIR VOLUME BOX	MEETING ROOM	100WATTS	120/1	PNL 200A	2									MECH	MECH	MECH			
VAV-1.8.N	VARIABLE AIR VOLUME BOX	QUIET ROOM	100WATTS	120/1	PNL 200A	2									MECH	MECH	MECH			
VAV-1.9.N	VARIABLE AIR VOLUME BOX	LEADERSHIP	100WATTS	120/1	PNL 200A	3									MECH	MECH	MECH			
VAV-1.10.N	VARIABLE AIR VOLUME BOX	MEETING ROOM	100WATTS	120/1	PNL 200A	3									MECH	MECH	MECH			
VAV-2.1.N	VARIABLE AIR VOLUME BOX	LEADERSHIP	100WATTS	120/1	PNL 200A	3									MECH	MECH	MECH			
VAV-2.2.N	VARIABLE AIR VOLUME BOX	LEADERSHIP	100WATTS	120/1	PNL 200A	3									MECH	MECH	MECH			
VAV-2.3.N	VARIABLE AIR VOLUME BOX	LEADERSHIP	100WATTS	120/1	PNL 200A	4									MECH	MECH	MECH			
VAV-2.4.N	VARIABLE AIR VOLUME BOX	LEADERSHIP	100WATTS	120/1	PNL 200A	4									MECH	MECH	MECH			
VAV-2.5.N	VARIABLE AIR VOLUME BOX	LEADERSHIP	100WATTS	120/1	PNL 200A	4									MECH	MECH	MECH			
VAV-2.6.N	VARIABLE AIR VOLUME BOX	LEADERSHIP	100WATTS	120/1	PNL 200A	4									MECH	MECH	MECH			
VAV-2.7.N	VARIABLE AIR VOLUME BOX	LEADERSHIP	100WATTS	120/1	PNL 200A	5									MECH	MECH	MECH			
VAV-2.8.N	VARIABLE AIR VOLUME BOX	MEETING ROOM	100WATTS	120/1	PNL 200A	5									MECH	MECH	MECH			
VAV-2.9.N	VARIABLE AIR VOLUME BOX	LEADERSHIP	100WATTS	120/1	PNL 200A	5									MECH	MECH	MECH			
VAV-2.10.N	VARIABLE AIR VOLUME BOX	EPR COORDINATOR	100WATTS	120/1	PNL 200A	5									MECH	MECH	MECH			
VAV-2.11.N	VARIABLE AIR VOLUME BOX	LEADERSHIP	100WATTS	120/1	PNL 200A	6									MECH	MECH	MECH			
VAV-2.12.N	VARIABLE AIR VOLUME BOX	USS MEETING ROOM	100WATTS	120/1	PNL 200A	6									MECH	MECH	MECH			
VAV-2.13.N	VARIABLE AIR VOLUME BOX	LEADERSHIP	100WATTS	120/1	PNL 200A	6									MECH	MECH	MECH			
HU-1	HUMIDIFIER	PSOHP CEILING SPACE	7.6kW	575/3			Y							T	MECH	MECH	MECH			6
RHC-1.N	REHEAT COIL	PSOHP CEILING SPACE	0.7kW	120/1	PNL 200A	22	Y							T	MECH	MECH	MECH			6
RHC-2.N	REHEAT COIL	PSOHP CEILING SPACE	1.2kW	120/1	PNL 200A	23	Y							T	MECH	MECH	MECH			6
RHC-3.N	REHEAT COIL	PSOHP CEILING SPACE	1.2kW	120/1	PNL 200A	24	Y							T	MECH	MECH	MECH			6
RHC-4.N	REHEAT COIL	PSOHP CEILING SPACE	3.1kW	120/1	PNL 200A	25	Y							T	MECH	MECH	MECH			6
RHC-5.N	REHEAT COIL	PSOHP CEILING SPACE	1.9kW	120/1	PNL 200A	26	Y							T	MECH	MECH	MECH			6
RHC-6.N	REHEAT COIL	PSOHP CEILING SPACE	2.1kW	120/1	PNL 200A	27	Y							T	MECH	MECH	MECH			6
TF-1.1N	TRANSFER FAN	LEADERSHIP OFFICE	50WATTS	120/1	PNL 200A	7		TOG					ELEC		MECH	MECH	MECH			6
TF-1.2N	TRANSFER FAN	LEADERSHIP OFFICE	50WATTS	120/1	PNL 200A	7		TOG					ELEC		MECH	MECH	MECH			6
TF-1.3N	TRANSFER FAN	MEETING ROOM	80WATTS	120/1	PNL 200A	7		TOG					ELEC		MECH	MECH	MECH			6
TF-1.4N	TRANSFER FAN	LEADERSHIP OFFICE	50WATTS	120/1	PNL 200A	7		TOG					ELEC		MECH	MECH	MECH			6
TF-1.5N	TRANSFER FAN	MEETING ROOM	50WATTS	120/1	PNL 200A	7		TOG					ELEC		MECH	MECH	MECH			6
TF-1.6N	TRANSFER FAN	LEADERSHIP OFFICE	50WATTS	120/1	PNL 200A	7		TOG					ELEC		MECH	MECH	MECH			6
TF-1.7N	TRANSFER FAN	MEETING ROOM	120WATTS	120/1	PNL 200A	7		TOG					ELEC		MECH	MECH	MECH			6
TF-1.8N	TRANSFER FAN	MEETING ROOM	80WATTS	120/1	PNL 200A	8		TOG					ELEC		MECH	MECH	MECH			6
TF-1.9N	TRANSFER FAN	MEETING ROOM	120WATTS	120/1	PNL 200A	8		TOG					ELEC		MECH	MECH	MECH			6
TF-1.10N	TRANSFER FAN	MEETING ROOM	120WATTS	120/1	PNL 200A	8		TOG					ELEC		MECH	MECH	MECH			6
TF-1.11N	TRANSFER FAN	MEETING ROOM	120WATTS	120/1	PNL 200A	8		TOG					ELEC		MECH	MECH	MECH			6
TF-1.12N	TRANSFER FAN	ECC	120WATTS	120/1	PNL 200A	8		TOG					ELEC		MECH	MECH	MECH			6
TF-1.13N	TRANSFER FAN	ECC	120WATTS	120/1	PNL 200A	8		TOG					ELEC		MECH	MECH	MECH			6
TF-2.1.N	TRANSFER FAN	LEADERSHIP OFFICE	50WATTS	120/1	PNL 200A	9		TOG					ELEC		MECH	MECH	MECH			6
TF-2.2.N	TRANSFER FAN	LEADERSHIP OFFICE	50WATTS	120/1	PNL 200A	9		TOG					ELEC		MECH	MECH	MECH			6
TF-2.2.N	TRANSFER FAN	LEADERSHIP OFFICE	50WATTS	120/1	PNL 200A	9		TOG					ELEC		MECH	MECH	MECH			6
TF-2.4.N	TRANSFER FAN	LEADERSHIP OFFICE	50WATTS	120/1	PNL 200A	9		TOG					ELEC		MECH	MECH	MECH			6
TF-2.5.N	TRANSFER FAN	LEADERSHIP OFFICE	50WATTS	120/1	PNL 200A	9		TOG					ELEC		MECH	MECH	MECH			6
TF-2.6.N	TRANSFER FAN	LEADERSHIP OFFICE	50WATTS	120/1	PNL 200A	9		TOG					ELEC		MECH	MECH	MECH			6
TF-2.7.N	TRANSFER FAN	LEADERSHIP OFFICE	50WATTS	120/1	PNL 200A	9		TOG					ELEC		MECH	MECH	MECH			6
TF-2.8.N	TRANSFER FAN	MEETING ROOM	80WATTS	120/1	PNL 200A	9		TOG					ELEC		MECH	MECH	MECH			6
TF-2.9.N	TRANSFER FAN	LEADERSHIP OFFICE	50WATTS	120/1	PNL 200A	9		TOG					ELEC		MECH	MECH	MECH			6
TF-2.10.N	TRANSFER FAN	EPR COORD	50WATTS	120/1	PNL 200A	9		TOG					ELEC		MECH	MECH	MECH			6
TF-2.11.N	TRANSFER FAN	LEADERSHIP OFFICE	50WATTS	120/1	PNL 200A	10		TOG					ELEC		MECH	MECH	MECH			6
TF-2.12.N	TRANSFER FAN	MEETING ROOM	80WATTS	120/1	PNL 200A	10		TOG					ELEC		MECH	MECH	MECH			6
TF-2.13.N	TRANSFER FAN	MEETING ROOM	80WATTS	120/1	PNL 200A	10		TOG					ELEC		MECH	MECH	MECH			6
TF-2.14.N	TRANSFER FAN	DUTY TO ACCOM	50WATTS	120/1	PNL 200A	10		TOG					ELEC		MECH	MECH	MECH			6
TF-2.15N	TRANSFER FAN	LARGE MEETING	120WATTS	120/1	PNL 200A	10		TOG					ELEC		MECH	MECH	MECH			6
TF-2.16.N	TRANSFER FAN	LEADERSHIP PSOHP	50WATTS	120/1	PNL 200A	10		TOG					ELEC		MECH	MECH	MECH			6
TF-2.16.N	TRANSFER FAN	LEADERSHIP PSOHP	50WATTS	120/1	PNL 200A	10		TOG					ELEC		MECH	MECH	MECH			6

GENERAL NOTES:

A. MANUAL MOTOR STARTER TO BE C/W PILOT LIGHT AND OVERCURRENT PROTECTION.

B. ALL STARTERS TO BE SUPPLIED & INSTALLED BY THE ELECTRICAL CONTRACTOR (EC) UNLESS OTHERWISE NOTED.

C. DISCONNECT SWITCHES TO BE SUPPLIED & INSTALLED BY THE ELECTRICAL CONTRACTOR (EC)

D. ELECTRICAL CONTRACTOR TO PROVIDE CIRCUIT BREAKERS AND WIRING ACCORDING TO THE FINAL NAMEPLATES OF THE MECHANICAL EQUIPMENT AT NO COST.

E. REFER TO PANELBOARD SCHEDULES AND SINGLE LINE DIAGRAM FOR MOTOR AND EQUIPMENT OVERLOAD PROTECTION.

FVNR = FULL VOLTAGE NON-REVERSING
RVNR =REVERSE VOLTAGE NON-REVERSING
MAN = MANUAL STARTER
MAG = MAGNETIC STARTER
HOA = HAND/OFF/AUTO
PL = PILOT LIGHT
Y = YES
F = FLOAT SWITCH
SS = SOFT STARTER
INT = INTEGRAL
T = THERMOSTAT
PS = PRESSURE SWITCH

AD = AMMONIA DETECTION SYSTEM
CO = CARBON MONOXIDE SENSOR
MT = MANUAL TIMER(WALL MOUNTED)
MS = MANUAL SWITCH
ESC = ELECTRONIC SPEED CONTROLLER
TOG = TOGGLE SWITCH
TDS = TIME DELAY SWITCH(WALL MTD)
FS = FLOW SWITCH
CO2 = CARBON DIOXIDE SENSOR
CHL = CHLORINE SENSOR
ES = END SWITCH
H = HUMIDISTAT

NOTES:

1. PROVIDE MANUAL MOTOR RATED STARTER C/W PILOT LIGHT AND OVERCUURENT DEVICE.
2. PROVIDE RELAY TO INTERLOCK.
3. PROVIDE LINE VOLTAGE THERMOSTAT.
4. PROVIDE BUILT-IN CONTACTOR/THERMOSTAT.
5. UNIT COMES WITH REMOTE PANEL TO BE MOUNTED AND WIRED BY DIVISION 16.
6. WIRED AND CONNECT CONTROLS.
7. INTERLOCK WITH DAMPERS. SEE MECHANICAL DRAWINGS AND SPECIFICATIONS.
8. OCCUPANCY SENSOR SWITCH TO BE WSD SERIES PROGRAMMABLE (INSTANT 'ON', 15MIN 'OFF' AND 30MINS 'RUNTIME')
9. PROVIDE GFI "IN-USE" COVER RECEPTACLE LOCATED WITHIN 7.5M OF THE ROOFTOP EQUIPMENT IN ACCORDANCE WITH CEC 2013 RULE 26-204.

PANEL NAME: `100' (EXISTING)

225 AMP MAINS, 120/208V, 4W, 3Ø, 10k I.C.

CONNECTED LOAD: - kVA
DIVERSIFIED LOAD: - kVA

DESCRIPTION	kVA LOAD Ø A	Ø B	Ø C	BRK SIZE	CCT	CCT	BRK SIZE	kVA LOAD Ø A	Ø B	Ø C	DESCRIPTION
EXISTING					1	22					EXISTING
					2	23					
					3	24					
					4	25					
					5	26					
					6	27					
					7	28					
					8	29					
					9	30					
					10	31					
					11	32					
					12	33					
					13	34					
					14	35					
					15	36					
					16	37					
					17	38					
					18	39	15				AC-3.N
					19	40	2P				
					20	41	15				CU-3.N
					21	42	2P				

TOTAL kVA - - -

PANEL NAME: `200A' (NEW)

225 AMP MAINS, 120/208V, 4W, 3Ø, 10k I.C.

CONNECTED LOAD: - kVA
DIVERSIFIED LOAD: - kVA

DESCRIPTION	kVA LOAD Ø A	Ø B	Ø C	BRK SIZE	CCT	CCT	BRK SIZE	kVA LOAD Ø A	Ø B	Ø C	DESCRIPTION
VAV-1.1N, 1.2N. 1.3N, 1.4N	0.4			15	1	22	15	0.7			RHC-1.N
VAV-1.5N, 1.6N. 1.7N, 1.8N		0.4		15	2	23	15		1.2		RHC-2.N
VAV-1.9N, 1.10N. 2.1N, 2.2N			0.4	15	3	24	15			1.2	RHC-3.N
VAV-2.3N, 2.4N. 2.5N, 2.6N	0.4			15	4	25	40	3.1			RHC-4.N
VAV-2.7N, 2.8N. 2.9N, 2.10N		0.4		15	5	26	20		1.9		RHC-5.N
VAV-2.11N, 2.12N. 2.13N			0.3	15	6	27	25			2.1	RHC-6.N
TF-1.1N TO TF-1.7N	0.5			15	7	28					
TF-1.8N TO TF-1.13N		0.8		15	8	29					
TF-2.1N TO TF-2.10N			0.5	15	9	30					
TF-2.11N TO TF-2.16N	0.5			15	10	31					
					11	32					
					12	33					
					13	34					
					14	35					
					15	36					
					16	37					
					17	38					
					18	39					
					19	40					
					20	41					
					21	42					

TOTAL kVA - - -

PANEL NAME: `BE1' (NEW)

225 AMP MAINS, 347/600V, 4W, 3Ø, 35k I.C.

CONNECTED LOAD: - kVA
DIVERSIFIED LOAD: - kVA

DESCRIPTION	kVA LOAD Ø A	Ø B	Ø C	BRK SIZE	CCT	CCT	BRK SIZE	kVA LOAD Ø A	Ø B	Ø C	DESCRIPTION
LTG- EMERGENCY CENTRE	1.3			15	1	22					
SPARE				15	2	23					
EMER NIGHT LIGHTING	2.5			15	3	24					
					4	25					
					5	26					
					6	27					
					7	28					
					8	29					
					9	30					
					10	31					
					11	32					
					12	33					
					13	34					
					14	35					
					15	36					
					16	37					
					17	38					
					18	39					
					19	40					
					20	41					
					21	42					

TOTAL kVA - - -

PANEL NAME: `BE2' (NEW)

225 AMP MAINS, 120/208V, 4W, 3Ø, 10k I.C.

CONNECTED LOAD: - kVA
DIVERSIFIED LOAD: - kVA

DESCRIPTION	kVA LOAD Ø A	Ø B	Ø C	BRK SIZE	CCT	CCT	BRK SIZE	kVA LOAD Ø A	Ø B	Ø C	DESCRIPTION
RECEPT. (2)	1				1	22					
RECEPT. (2)		1			2	23					
RECEPT. (2)			1		3	24					
RECEPT. (2)	1				4	25					
RECEPT. (2)		1			5	26					
RECEPT. (2)	1		1		6	27					
RECEPT. (2)		1			7	28					
RECEPT. (2)			1		8	29					
RECEPT. (2)	1				9	30					
					10	31					
					11	32					
					12	33					
					13	34					
					14	35					
					15	36					
					16	37					
					17	38					
					18	39					
					19	40					
					20	41					
					21	42					

TOTAL kVA - - -

Public Works and Government Services Canada
Travaux publics et Services gouvernementaux Canada

REAL PROPERTY SERVICES
Western Region
SERVICES IMMOBILIERS
Région de l'ouest

CONSULTANT

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TOWER PROJECT NO. : 13039

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Revision/ Revision	Description/Description	Date/Date
0	ISSUED FOR TENDER/CONSTRUCTION	26/11/13

Client/client

PUBLIC WORKS GOVERNMENT SERVICES CANADA

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Project title/Titre du projet

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Approved by/Approuve par: TT

Designed by/Concept par: DA

Drawn by/Dessine par: LS

PWGSC Project Manager/Administrateur de Projets TPSGC: OH

PWGSC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'Ingénierie, TPSGC: SO

Client/client: PWGSC

Drawing title/Titre du dessin

ELECTRICAL SCHEDULES

Project No./No. du projet	Sheet/ Feuille	Revision no./ La Révision no.
R.056754.002	E7-04 OF 21	0