



0	ISSUED FOR TENDER	MAR/27 2020
revisions		date

project

**MACTAQUAC  
BIODIVERSITY FACILITY,  
ADMINISTRATION BUILDING  
RENOVATIONS  
FRENCH VILLAGE, N.B.**

project

drawing

dessin

## EXISTING SCHEDULES

designed SDF

conçu

date MARCH 2020

dessiné

drawn EFS/SDF

date MARCH 2020

approved BET

approuvé

date MARCH 2020

Tender

Soumission

PWGS: Project Manager Administrateur de projets TPSGC

no. du projet

**R.104486.001**

drawing no.

no. du dessin

**E4**

POWER SUPPLY: 120/208V,3ø,4w				EXISTING PANEL: 'A'				MOUNTING: Surface					
MAINS: 225A				Existing condition from				LOCATION: outside lunchroom, pondside					
NUMBER OF CCTS: 42				existing panel schedule and photo				REMARKS: CSA 4					
DESCRIPTION	WATTAGE			# P	BKR AMP	CIRCUIT		BKR AMP	# P	WATTAGE			DESCRIPTION
	A	B	C			1	2			A	B	C	
Pole Lts Rightside				2	15	1 a	2	20	1				Recept Right Wing Ponds (GFI)
						3 b	4	15	1				Recept to Main Door (1) Corr (GFI)
Recept Small Pond 18 (GFI)				1	20	5 c	6	20	1				Recept Right Wing Ponds (GFI)
(OFF)				1	15	7 a	8	20	1				Recept Right Wing Ponds (GFI)
Lts Exterior				1	15	9 b	10	20	1				Recept Right Wing Ponds (GFI)
Lts Rm 108				1	15	11 c	12	15	1				Control Power
Emergency Lts				1	15	13 a	14	15	1				(OFF)
Exit Lts - Corr. 124				1	15	15 b	16	15	1				(OFF)
(OFF)				1	15	17 c	18	15	1				(OFF)
Lunchroom Stove				2	40	19 a	20	15	1				Fan Rm 108 (3)
						21 b	22	15	1				Recept Rm 108 (GFI)
(GFI) (OFF)				1	15	23 c	24	15	1				(OFF)
(GFI) (OFF)				1	15	25 a	26	20	1				Recept Small Pond 16 (GFI)
Beam Recept Large Pond 32 (GFI)				1	20	27 b	28	40	2				Welder Recept-Corr 125 (GFI)
(GFI) (OFF)				1	15	29 c	30						
SPACE						31 a	32	15	1				Rangehood in Lunchroom
SPACE						33 b	34	20	1				Recept Small Pond 17 (GFI)
SPACE						35 c	36						SPACE
SPACE						37 a	38	15	1				Lunchroom AC Unit
SPACE						39 b	40						
Power Supplies 19.5 & 19.6				1	15	41 c	42	15	2				3kW Unit Htr Rm 108
PHASE LOADS:													
TOTAL LOAD:													
TOTAL PHASE LOADS				EXISTING CONDITION AS OBSERVED 2019-11-05				(GFI)- GROUND FAULT INTERRUPT (+) - LOCKING BREAKER					
CURRENT (A) @ 208V:													

POWER SUPPLY: 120/208V,3ø,4w				EXISTING PANEL: 'D'				MOUNTING: Surface					
MAINS: 225A				Existing condition from				LOCATION: Rm 101					
NUMBER OF CCTS: 42				existing panel schedule and photo				REMARKS:					
DESCRIPTION	WATTAGE			# P	BKR AMP	CIRCUIT		BKR AMP	# P	WATTAGE			DESCRIPTION
	A	B	C			1	2			A	B	C	
Force Flow Htr Rm 100				2	20	1	a	2	15	1			Recept Rm 107
						3	b	4	15	1			Recept Rm 105
Recept Rm 107 (spare cct in JB)				1	15	5	c	6	15	1			Recept Hallway
Recept Rm 107				1	15	7	a	8	15	1			Recept Hallway
Recept Rm 107				1	15	9	b	10	15	1			Recept Rm 104/106
Recept Rm 107				1	15	11	c	12	15	1			AC Recept Rm 103/104
Recept Rm 107				1	15	13	a	14	15	1			Spare? (Bkr ON)
Recept Rm 107				1	15	15	b	16	15	1			Recept Rm 107
Relay for Demand Meter				2	15	17	c	18					Baseboard Heater Rm 110
						19	a	20	20	2			
Bathroom Exh Fan				1	15	21	b	22					Baseboard Heater Rm 109
Recept Rm 107				1	15	23	c	24	15	2			
Recept Rm 106				1	15	25	a	26					
Spare? (Bkr ON)				1	15	27	b	28	20	2			Convectaire Htr in Hallway
Hand Dryer Womens WR 111				2	20	29	c	30	15	1			Recept Rm 107
						31	a	32					Space ( was Front Gate)
AC Recept Rm 105				1	15	33	b	34					Space ( was Front Gate)
													Space ( was Front Gate)
Hand Dryer Mens WR 112				2	20	35	c	36					CCTV Rm 105
						37	a	38	15	1			
Space						39	b	40	15	1			CCTV Remote Server
Space						41	c	42	15	1			CCTV Rack & Front CCTV Receiver
PHASE LOADS:													
TOTAL LOAD:													
TOTAL PHASE LOADS				EXISTING CONDITION AS OBSERVED 2019-11-05				(GFI)- GROUND FAULT INTERRUPT (+)- LOCKING BREAKER					
CURRENT (A) @ 208V:													

POWER SUPPLY: 120/208V,3ø,4w				EXISTING PANEL: 'C'				MOUNTING: Surface				
MAINS: 225A				Existing condition from				LOCATION: Rm 101				
NUMBER OF CCTS: 72				existing panel schedule and photo				REMARKS:				
DESCRIPTION	WATTAGE			#	BKR	CIRCUIT	BKR	#	WATTAGE			DESCRIPTION
	A	B	C						P	AMP	P	
Lts - Rm 100,101,102,103,105,Emerg Lt				1	15	1 a	2					Main Gate
Lts - Rm 114,115				1	15	3 b	4	30	3			
Lts - Rm 104,105				1	15	5 c	6					
Lts - Rm 107,108				1	15	7 a	8	15	1			Spare
Lts - Rm 110				1	15	9 b	10	30	2			DHW Tank - Rm 116
Lts - Rm 112,113,116				1	15	11 c	12					
Lts - Main Entry Exterior				1	15	13 a	14	15	1			Recept - Main Hall
Spare?				1	15	15 b	16	15	1			Recept - Rm 103,104
Spare?				1	15	17 c	18	15	1			Recept - Hall, Main Office
Spare?				1	15	19 a	20	15	1			Recept - Rm 104,105
Recept - Telephone Equipment				1	15	21 b	22	20	1			Recept - Rm 106 (plug & AC)?
Lts - Night Lts				1	15	23 c	24	15	1			Recept - Copier Rm 109
Security Alarm Transformer				1	15	25 a	26	15	1			Recept - Copier Rm 107
Main Door Access System?				1	15	27 b	28	15	1			AC Recept - Rm 107
Spare?				1	15	29 c	30	20	1			Recept - Rm 107
Recept - Rm 109 Microwave				1	15	31 a	32	15	1			Recept - Rm 109 Water Cooler
Recept - Rm 109 Toaster				1	15	33 b	34	15	1			Recept - Exterior Main Entry (GFI)
Recept - Rm 109 Counter				1	15	35 c	36	15	1			Fire Alarm Panel Rm 101 (+)
Recept - Rm 109 Fridge				1	15	37 a	38	15	1			Spare
Intrusion Alarm Pnl - Rm 101				1	15	39 b	40	15	1			Recept - Hall in Office Section
Spare?				1	15	41 c	42	15	1			Recept - Rm 114
Recept - Computer Server				1	15	43 a	44	15	1			Recept - Rm 114
Spare				1	15	45 b	46	15	1			Recept - Rm 114
Heat Exchanger				1	15	47 c	48	15	1			Lts - Rm 117
Lights, Exit Lts, Emer Lts				1	15	49 a	50	15	1			Recept - Rm 114
Baseboard Htrs - Rm 101				2	15	51 b	52					Baseboard Htrs - Rm 114,115,116
						53 c	54	15	2			
Baseboard Htrs - Rm 104				2	20	55 a	56					Baseboard Htrs - Rm 102
						57 b	58	15	2			
Baseboard Htrs - Rm 107				2	30	59 c	60					Baseboard Htrs - Rm 112,113
						61 a	62	20	2			
Control Transformer				1	15	63 b	64					Control Transformer Heating Panel
						65 c	66	15	2			
Baseboard Htrs - Rm 110				2	30	67 a	68					Baseboard Htrs - Rm 108
						69 b	70	20	2			
Baseboard Htrs - Rm 106				2	20	71 c	72					Space
PHASE LOADS:												
TOTAL LOAD:												
TOTAL PHASE LOADS				EXISTING CONDITION				(+)- INDICATES INSTALL LOCK-ON DEVICE				
				AS OBSERVED 2019-11-05				NOTE - RUN SEPARATE NEUTRAL CONDUCTORS				
CURRENT (A) @ 208V:								FOR EACH COMPUTER CIRCUIT.				

Info from existing tags found on tel/data outlets as observed 2019-11-05 (using existing Rm #s)

Data Patch Pnl		
Data Jack		Room
D1	x	
D2	C	107
D3	C	107
D4	x	
D5	C	
D6	x	
D7	C	105
D8	C	108
D9	C	103
D10	C	104
D11	C	103
D12	C	103
D13	C	
D14	C	109
D15	C	
D16	C	105
D17	C	109
D18	x	
D19	C	107
D20	C	107
D21	C	107
D22	C	107
D23	C	
D24	C	

Data Patch Pnl		
Data Jack		Room
D25	x	
D26	C	
D27	C	108
D28	C	
D29	C	102
D30	C	103
D31	C	103
D32	C	104
D33	C	104
D34	C	105
D35	C	
D36	C	
D37	C	
D38	C	109
D39	O	
D40	O	
D41	O	
D42	O	
D43	O	
D44	O	
D45	O	
D46	O	
D47	O	
D48	O	
no tag		103
no tag		104
no tag		107
no tag		107

Tel BIX Block		
Tel Jack		Room
T1		102,107
T2		103,107
T3		103,107
T4		104
T5		104,107
T6		105
T7		108
T8		
T9		
T10		107,109
T11		105,109
T12		103,109
T13		104
T14		103
T15		103
T16		107
T17		107
T18		
T19		105
T20		
T21		
T22		
T23		
T24		
no tag		100
no tag		101
no tag		103
no tag		104
no tag		107
no tag		109

Existing Tel equipment	
Noriel Norstar switch (may be out of service)	
BIX blocks	
3 hand telephone sets	
1-Lobby	
2-Hallway	
3-Rm 106	

Existing Data Equipment	
2 x 24 port patch ptns	
38 patch panel jacks	
2 x 24 port switches	
Rack Server	
Eaton 1500 UPS	
Bell Fibre box	
Cat 6 cables	

Existing CCTV Rack	
Rack Server, 4x8TB HDs	
Switch, fibre jack	
Patch pnl	
4 camera feeds?	

Data Patch Pnl	
C - Cable in port	
x - No cable	
O - No jack	