

ELECTRICAL EXISTING CONDITIONS

NOTE: EXISTING CONDITION DRAWING IS FOR INFORMATION ONLY.

DEVICES SHOWN ON EXISTING CONDITION DRAWING BUT NOT ON ELECTRICAL PLAN ARE TO BE REMOVED COMPLETE WITH WIRING AND

CONDUIT BACK TO NEAREST JUNCTION BOX.

PWGSC B1 (2004)

Ф	120V DUPLEX RECEPTACLE WIRED TO EXISTING ROOM 120V RECEPTACLE CIRCUIT.
Т	THERMOSTAT, LINE VOLTAGE, OUELLET #OTL101C
\boxtimes	JUNCTION BOX
Y	RECESSED OUTLET BOX FOR TELEPHONE/DATA OUTLET C/W EMPTY 27mm CONDUIT RUN TO ACCESSIBLE CEILING SPACE C/W PULLCORD
F	FIRE ALARM MANUAL PULL STATION
S	FIRE ALARM SMOKE DETECTOR
В	EXISTING FIRE ALARM BELL
\$	120V LIGHT SWITCH
#	3-GANG - 120V LIGHT SWITCHES
_{vs} \$	120V WALL SWITCH VACANCY SENSOR
	EXISTING PANELBOARD
× \$	MANUAL MOTOR STARTER
	EXISTING SURFACE MOUNTED LUMINAIRE
	EXISTING SURFACE MOUNTED LUMINAIRE
\Diamond	EXISTING CEILING MOUNTED LUMINAIRE
9	EXISTING WALL MOUNTED LUMINAIRE
A	NEW 1220mm SURFACE MOUNTED LED WRAPAROUND LUMINAIRE
В	NEW 610mm WALL MOUNTED LED LUMINAIRE
0 P1	NEW 100mm DIA LED RECESSED DOWNLIGHT
O P2	NEW 150mm DIA LED RECESSED SHOWER DOWNLIGHT
\otimes	WALL MOUNTED LED EXIT LIGHT
	WALL EMERGENCY BATTERY UNIT
@	WALL MOUNTED EMERGENCY LIGHT REMOTE HEAD
<u>OS</u>	CEILING MOUNTED DUAL TECH LOW VOLTAGE OCCUPANCY SENSOR
©<	CCTV CAMERA LOCATION. INSTALL DEVICE BOX IN WALL WITH 21mm CONDUIT C/W PULL CORD BACK TO JUNCTION BOX IN ROOM 113.
MIC	MICROPHONE LOCATION. INSTALL DEVICE BOX 1200mm A.F.F. IN WALL WITH 21mm CONDUIT C/W PULL CORD BACK TO JUNCTION BOX IN ROOM 113
(A)	DIRECT EQUIPMENT CONNECTION, SEE MECHANICAL
HTR	ELECTRIC BASEBOARD HEATERS
H A→	ELECTRIC FORCE FLOW HEATERS

ELECTRICAL LEGEND

POWER SUPPLY: PANEL BREAKER:	120/208V-3φ/4W 200A							PANEL LEGEND: G = GFCI						INTEGRATED PANEL OPTION	
PANEL BREAKING CAPACITY: MAINS:		2007 18kA 2004					LO				KABL	E OI	FF		200A MAIN BREAKER
DESCRIPTION	LC	AD (KW)	Ŕĥ		Ŀ			T	Τω	伝出	LC	AD (KW)	DESCRIPTION
ITEM DESCRIPTION	Α	В	С	BRKR SIZE	# 	CCT	🗲	\forall	123	# D	BRKR SIZE	Α	В		ITEM DESCRIPTION
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	//				//	/7/	Y-4	14	8	1/					
	1/	//			//	9/	ľ4,	1	10	1/	//	//		//	
	1/	//			//	11	14	4	12	1/	1/	//			
	1//	//			1/	13	14		14	1//	1//	//			
	1//	//			1/	15	14		16	1//	1//				
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		//	//		1//	19	14	K	20	1/	1//	1/	//		
	1/	//	//	//	1//	21/	1/1/	14	22	1/	1//	//	//	//	
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<u> </u>					\leftarrow	41/	1	ſΨ	42	14	4/-	4			DECEDE 440
HEATING: 116,118	0.9			20	2	43	4	\sqcap	44	1	15	0.4			RECEPT: 118
		0.9			 	45		1	46	1	15		0.2		RECEPT: 118
RECEPT: 116			0.1	15	1	47	🕇	T	48	_	15				RECEPT (REFRIGERATOR):
RECEPT (WR): 120,122	0.2			15	1	49	🕈	Ħ	50	_	_	0.1	<u> </u>		RECEPT (COUNTER): 116
OFFICE WORKSTATIONS		0.5		15	1	51	🕂	₹┼	52	1	20		0.1	_	RECEPT (COUNTER): 116
OFFICE WORKSTATIONS			0.5		1	53	🕂	19	54	1	20			1.0	RECEPT (PRINTER): 105
RECEPT: 102	0.3			15	1	55	🕈	H	56	1		0.1			RECEPT: 113
RECEPT: 100,105		0.3		15	1	57	+	╄┼	58	1	15		0.1		RECEPT: 113
						59	+	🕈	60						RECEPT (MICROWAVE): 116
						61	│ →	+	62						
						63	+	╄┼	64						
TRAP PRIMER			0.3	15	1	65	+	 	66	2	15			0.3	EVAPORATOR UNITS
AUTO-SINKS	0.2			15	1	67] →	+	68			0.3			LVAFORATOR UNITS
HUMIDIFIER		1.3		20	2	69		┾┼	70	- 2	40		3.2		CONDENSING UNIT
I IUWIIDIFIEK 			1.3	20	_	71	1 🕌	┢	72	7 -	40			3.2	CONDENSING UNIT

NOTE: CIRCUITS 1 - 42 TO MATCH EXISTING PANEL BREAKER SIZES AND LOCATIONS. WIRE EXISTING CIRCUITS INTO NEW PANEL

____ LIMITS OF CONTRACT (AREA OF WORK)

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CANADA

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BUILDINGS · EARTH & ENVIRONMENT ENERGY INDUSTRIAL INFRASTRUCTURE SUSTAINABILITY



		1
0	ISSUED FOR CONSTRUCTION	06 SEP 2018
revisions		date
project		projet

G.O.C.B. SUNNY CORNER

NEW BRUNSWICK

ELECTRICAL PLANS, LEGENDS, AND PANEL SCHEDULE

designed	MG			со	n
date	SEPTEMBER	06,	2018		
drawn	MG			dess	şi i
date	SEPTEMBER	06,	2018		
approved	SRP			appro	u
date					
Tender				Soumis	si
PWGSC P	roject Manager	Adn	ninistrateur	de projets TP:	S
project n	umber			no. du pr	o j

1005880 2600-1

20 - INDICATES TYPE CSA 5-20R RECEPTACLES A - INDICATES MOUNTED 1220mm A.F.F. OR 150mm ABOVE COUNTER 3 - INDICATES 3-WAY SWITCH G - INDICATES GFCI RECEPTACLE R - INDICATES EXISTING TO BE RELOCATED LIGHT LINE WEIGHT INDICATES EXISTING TO REMAIN ———— DARK LINE WEIGHT INDICATES

NEW WORK

ELECTRICAL SUBSCRIPTS

POWER AND COMMUNICATIONS PLAN

GENERAL NOTES

1. CONTRACTOR TO COORDINATE WORK WITH EXISTING AND NEW BASEBOARD HEATERS WITH CONTROLS CONTRACTOR. PROVIDE ADDITIONAL LINE AND LOW VOLTAGE CONNECTIONS AS REQUIRED AS WELL AS RELAYS AND TRANSFORMERS AS REQUIRED.

KEYNOTES

- ONTRACTOR TO DISCONNECT AND REMOVE EXISTING 200A, 120/208V, 42 CCT PANELBOARD AND REPLACE WITH NEW 225A, 120/208V, 3PH, 4W, 72 CIRCUIT PANELBOARD C/W 200A/3P MAIN BREAKER. NEW PANEL TO BE INSTALLED IN SAME WALL CAVITY FACING THE CORRIDOR. CONTRACTOR TO POPULATE TOP 42 BREAKER SPACES WITH NEW BREAKERS TO MATCH EXISTING SIZING. SEE PANEL SCHEDULE FOR DETAILS. PANEL TO BE NAMED PANEL 'P'.
- 2 EXHAUST FAN TO BE WIRED TO 120V SWITCHED LIGHTING CIRCUIT.
- 3 SUPPLY AND INSTALL NEW 750W, 208V, 1PH BASEBOARD HEATER. HEATER TO BE OUELLET #RBH0758 OR EQUAL.
- 4 SUPPLY AND INSTALL NEW 1125W, 208V, 1PH RECESSED FORCE FLOW HEATER, OUELLET #OACU01500-T OR EQUAL. HEATER TO BE COMPLETE WITH THERMOSTAT.
- © CONTRACTOR TO REMOVE BUILT-IN THERMOSTAT FROM EXISTING HEATER AND WIRE INTO MECHANICAL CONTROLS. COORDINATE WORK WITH MECHANICAL CONTROLS CONTRACTOR.
- 6 SUPPLY AND INSTALL 60A, 208V DISCONNECT SWITCH, SQUARE D OR EQUAL, ADJACENT TO UNIT. SWITCH TO BE WEATHER PROOF. WIRING TO CONDENSING UNIT TO BE 2#8, 1#10 BOND IN 27mm CONDUIT.
- DIRECT EQUIPMENT CONNECTION TO EVAPORATOR UNIT. SUPPLY AND INSTALL ONE (1) FLUSH MOUNTED MANUAL MOTOR SWITCH SQUARE D OR EQUAL, ADJACENT TO UNIT. WIRE TO CIRCUIT P-66,68.
- 8 POWER AND COMMUNICATIONS CONNECTION TO EXISTING OFFICE WORKSTATIONS. COORDINATE REQUIREMENTS ON SITE.
- 9 POWER AND COMMUNICATIONS CONNECTION TO EXISTING OFFICE WORKSTATIONS. COORDINATE REQUIREMENTS ON SITE. WIRE WORKSTATIONS TO EXISTING WORKSTATION POWER CIRCUIT. EXTEND CIRCUIT AS REQUIRED.
- 120V CONNECTIONS TO AUTO-SINKS. COORDINATE EXACT LOCATIONS WITH MECHANICAL CONTRACTOR.
- 11 DIRECT EQUIPMENT CONNECTION TO ELECTRONIC TRAP PRIMER.

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