



0 RELEASED FOR CONSTRUCTION 01/29/2016

NEW G.O.C.B SAINT-LÉONARD NEW BRUNSWICK

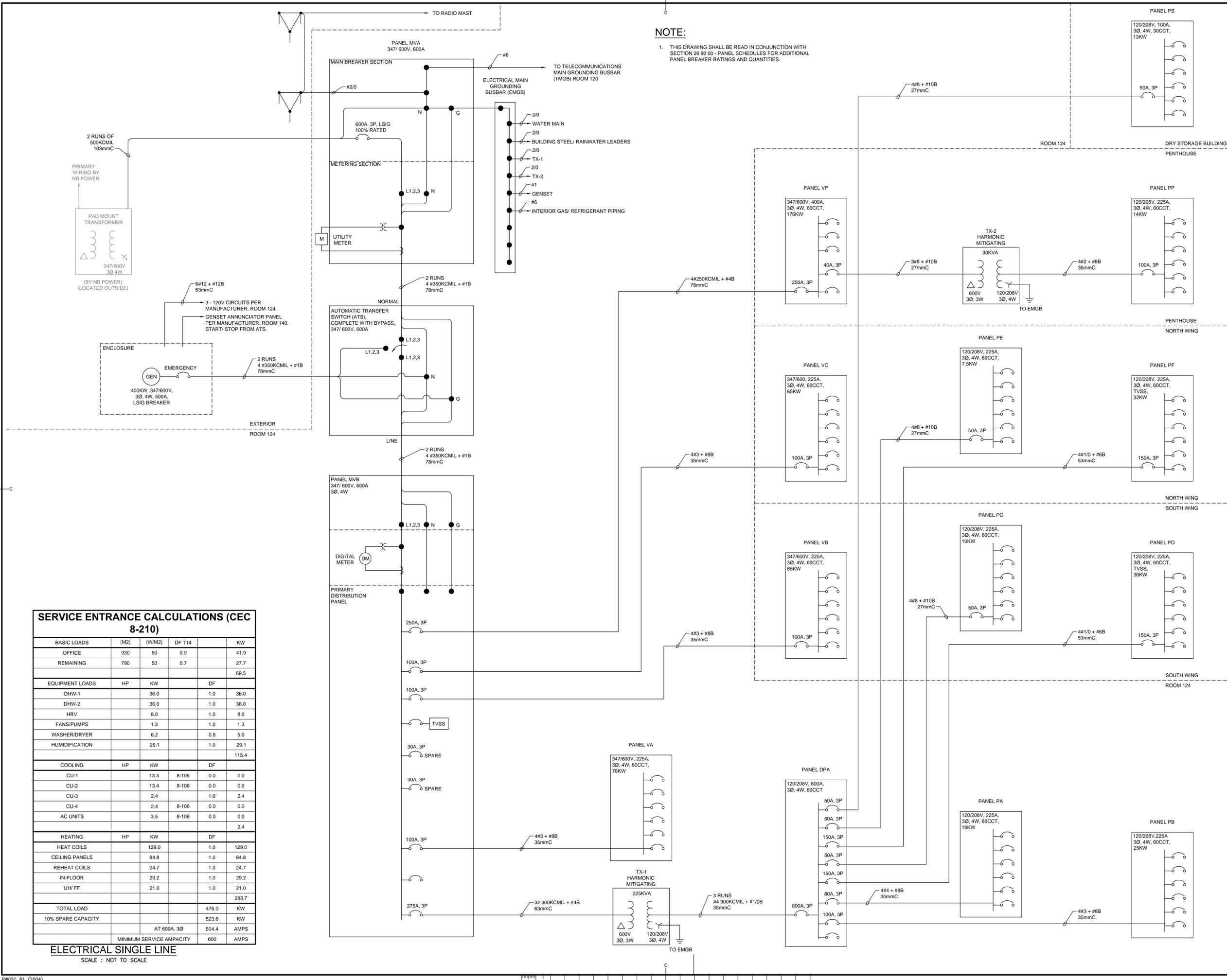
ELECTRICAL SINGLE LINE DIAGRAM

designed SRP conçu
 date JANUARY 29, 2016
 drawn CAM dessiné
 date JANUARY 29, 2016
 approved DAG approuvé
 date FEBRUARY 17, 2016

Tender Submission
 PWGSC Project Manager / Administrateur de projets TPSGC
 project number / no. du projet
R.069499.001

drawing no. / no. du dessin
2601-1

NOTE:
 1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH SECTION 26 90 00 - PANEL SCHEDULES FOR ADDITIONAL PANEL BREAKER RATINGS AND QUANTITIES.



SERVICE ENTRANCE CALCULATIONS (CEC 8-210)

BASIC LOADS	(M2)	(W/M2)	DF T14	KW	
OFFICE	930	50	0.9	41.9	
REMAINING	790	50	0.7	27.7	
				69.5	
EQUIPMENT LOADS	HP	KW	DF	KW	
DHW-1		36.0	1.0	36.0	
DHW-2		36.0	1.0	36.0	
HRV	8.0		1.0	8.0	
FANS/PUMPS	1.3		1.0	1.3	
WASHER/DRYER	6.2		0.8	5.0	
HUMIDIFICATION	29.1		1.0	29.1	
				115.4	
COOLING	HP	KW	DF	KW	
CU-1		13.4	8-106	0.0	0.0
CU-2		13.4	8-106	0.0	0.0
CU-3		2.4	1.0	2.4	
CU-4		2.4	8-106	0.0	0.0
AC UNITS		3.5	8-106	0.0	0.0
				2.4	
HEATING	HP	KW	DF	KW	
HEAT COILS		129.0	1.0	129.0	
CEILING PANELS		84.8	1.0	84.8	
REHEAT COILS		24.7	1.0	24.7	
IN-FLOOR		29.2	1.0	29.2	
UH/ FF		21.0	1.0	21.0	
				288.7	
TOTAL LOAD				476.0	
10% SPARE CAPACITY				523.6	
		AT 600A, 3Ø		504.4	
		MINIMUM SERVICE AMPACITY		600	
				AMPS	

ELECTRICAL SINGLE LINE
 SCALE : NOT TO SCALE