



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	
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	
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	
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 KW
10% SPARE CAPACITY					523.6 KW
		AT 600A, 3Ø			504.4 AMPS
		MINIMUM SERVICE AMPACITY			600 AMPS

ELECTRICAL SINGLE LINE
SCALE : NOT TO SCALE




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ELECTRICAL SINGLE LINE DIAGRAM	
designed SRP	conçu
date JANUARY 29, 2016	
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date JANUARY 29, 2016	
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0 10 20mm 40 60 80 100 120 140 160 180 200mm

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