

NOTIFICATION APPLIANCE CIRCUIT VOLTAGE DROPS

Carleton Street Senior Housing

Portland, Maine

PANEL	CIRCUIT	WIRE GAUGE	LENGTH	CURRENT DRAW	VOLTAGE DROP	VOLTAGE LOSS	END VOLTAGE @ 24.0VDC	END VOLTAGE @ 20.4VDC	CIRCUIT LOAD
FACP	NAC 1	14	170 FT	.175A	0.15 VDC	0.63%	23.85 VDC	20.25 VDC	7%
FCPS #1	NAC 1	14	201 FT	1.294A	1.31 VDC	5.46%	22.69 VDC	19.09 VDC	43%
FCPS #1	NAC 2	14	254 FT	.829A	1.06 VDC	4.42%	22.94 VDC	19.34 VDC	28%
FCPS #1	NAC 3	14	262 FT	1.519A	2.01 VDC	8.38%	21.99 VDC	18.39 VDC	51%
FCPS #1	NAC 4	14	305 FT	1.885A	2.9 VDC	12.08%	21.1 VDC	17.5 VDC	63%
FCPS #1: 5.527A/8A Spare Capacity: 31%									
FCPS #2	NAC 1	14	277 FT	1.268A	1.77 VDC	7.38%	22.23 VDC	18.63 VDC	42%
FCPS #2	NAC 2	14	320 FT	1.754A	2.84 VDC	11.83%	21.16 VDC	17.56 VDC	59%
FCPS #2	NAC 3	14	292 FT	1.268A	1.87 VDC	7.79%	22.13 VDC	18.53 VDC	42%
FCPS #2	NAC 4	14	335 FT	1.503A	2.54 VDC	10.58%	21.46 VDC	17.86 VDC	50%
FCPS #1: 5.793A/8A Spare Capacity: 28%									
Calculated @ Maximum Distance/Current									