

NOTIFICATION APPLIANCE CIRCUIT VOLTAGE DROPS

USM Science Building Office Renovations

Portland, Maine

PANEL	CIRCUIT	WIRE GAUGE	LENGTH	CURRENT DRAW	VOLTAGE DROP	VOLTAGE LOSS	END VOLTAGE @ 24.0VDC		END VOLTAGE @ 20.4VDC		CIRCUIT LOAD	
FCPS	NAC 1	14	250 FT	.761A	0.96	VDC	4.00%	23.04	VDC	19.44	VDC	25%
FCPS	NAC 2	14	175 FT	.277A	0.24	VDC	1.00%	23.76	VDC	20.16	VDC	9%
FCPS #1: 1.038A/8A Spare Capacity: 87%												
Calculated @ Maximum Distance/Current												