## **VOLTAGE DROP CALCULATIONS**

USM - Luther Bonney Hall Portland, ME

Circuit 1			Circuit 2		
	Amperage Length of Run	0.808 158		Amperage Length of Run	1.95 360
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	Voltage Drop	2.80%		Voltage Drop	15.37%
	VDC Applied	19.73		VDC Applied	16.71
Circuit 3			Circuit 4		
	Amperage Length of Run	2.4 325		Amperage Length of Run	2.32 354
	Voltage Drop	17.08%		Voltage Drop	17.98%
	VDC Applied	16.3		VDC Applied	16.08
Circuit 5			Circuit 6		
	Amperage Length of Run	0.714 148		Amperage Length of Run	1.56 201
	Voltage Drop	2.31%		Voltage Drop	6.87%
	VDC Applied	19.85		VDC Applied	18.75
Circuit 7			Circuit 8		
	Amperage Length of Run	1.15 187		Amperage Length of Run	1.086 201
	Voltage Drop	4.71%		Voltage Drop	4.78%
	VDC Applied	19.27		VDC Applied	19.25