

PROJECT DETAILS

Project Name : Summit at W.Pryor - Retail
A-D Tenant Finish

Project Code :

Project Location :
Lee's Summit, Missouri

PREPARED BY

Ryan Stacy

Voltage Drop Calculations

POWER SOURCE : NAC 1 MODEL NUMBER : HPF24S6 BRAND : HPP CLASS B 20.4 VOLTS DC POWER

CIRCUIT: NAC Circuit 1 3 Amps 14 AWG 9 DEVICES 25.6 % (0.768) AMPS USED 2.25 % (0.458) VOLTAGE DROP

#	MODEL	CANDELA	PATTERN	VOLUME	TONE	CURRENT (amps)	DISTANCE FROM PREVIOUS DEVICE (Ft)	12 AWG	14 AWG	16 AWG	18 AWG
1	SCRL	15				0.041	15	20.354	20.327	20.283	20.214
2	PC2RL	15	Temporal	High	Electromechanical	0.071	10	20.325	20.281	20.209	20.097
3	PC2RL	15	Temporal	High	Electromechanical	0.071	15	20.285	20.218	20.109	19.938
4	PC2RL	15	Temporal	High	Electromechanical	0.071	15	20.250	20.162	20.020	19.796
5	SCRL	15				0.041	10	20.229	20.129	19.968	19.713
6	SCRL	15				0.000	6	20.218	20.111	19.939	19.667
7	PC2RL	95	Temporal	High	Electromechanical	0.165	35	20.151	20.005	19.771	19.399
8	PC2RL	75	Temporal	High	Electromechanical	0.143	20	20.126	19.966	19.708	19.299
9	PC2RL	95	Temporal	High	Electromechanical	0.165	23	20.111	19.942	19.669	19.238
Voltage Drop								0.289	0.458	0.731	1.162

POWER SOURCE : NAC 1 MODEL NUMBER : HPF24S6 BRAND : HPP CLASS B 20.4 VOLTS DC POWER

CIRCUIT: NAC Circuit 2 3 Amps 14 AWG 5 DEVICES 15.63 % (0.469) AMPS USED 1.36 % (0.277) VOLTAGE DROP

#	MODEL	CANDELA	PATTERN	VOLUME	TONE	CURRENT (amps)	DISTANCE FROM PREVIOUS DEVICE (Ft)	12 AWG	14 AWG	16 AWG	18 AWG
1	SCRL	15				0.041	55	20.296	20.235	20.138	19.983
2	PC2RL	15	Temporal	High	Electromechanical	0.071	9	20.281	20.210	20.099	19.921
3	PC2RL	15	Temporal	High	Electromechanical	0.071	13	20.262	20.180	20.052	19.846
4	PC2RL	75	Temporal	High	Electromechanical	0.143	19	20.240	20.145	19.997	19.758
5	PC2RL	75	Temporal	High	Electromechanical	0.143	24	20.226	20.123	19.962	19.703
Voltage Drop								0.174	0.277	0.438	0.697

POWER SOURCE : NAC 1 MODEL NUMBER : HPF24S6 BRAND : HPP CLASS B 20.4 VOLTS DC POWER

CIRCUIT: NAC Circuit 3 3 Amps 14 AWG 4 DEVICES 13.27 % (0.398) AMPS USED .88 % (0.179) VOLTAGE DROP

#	MODEL	CANDELA	PATTERN	VOLUME	TONE	CURRENT (amps)	DISTANCE FROM PREVIOUS DEVICE (Ft)	12 AWG	14 AWG	16 AWG	18 AWG
1	PC2RL	15	Temporal	High	Electromechanical	0.071	45	20.328	20.286	20.218	20.111
2	SCRL	15				0.041	8	20.317	20.269	20.191	20.069
3	PC2RL	75	Temporal	High	Electromechanical	0.143	12	20.303	20.247	20.156	20.014
4	PC2RL	75	Temporal	High	Electromechanical	0.143	29	20.286	20.221	20.114	19.947
Voltage Drop								0.114	0.179	0.286	0.453