

VOLTAGE DROP CALCULATIONS

LOCATION: SR 83
VOLTAGE: 240

SUPPLY POINT: PS-1 CIRCUIT: A

WIRE FACTORS USED: (Three No. 6 AWG Wires) 0.98 ohms/mft/1000

SECTION			AMPERES		AMPERE- FEET	AWG	VOLTAGE DROP		% DROP	AT POINT
FROM	TO	FEET	AT POINT	ACCUM.			IN SEC.	ACCUM.		
A1	A7	176	0.65	0.65	114	6	0.112	2.15	0.90	A1
A7	PB3	51	0.65	1.30	66	6	0.065	2.04	0.85	A7
A2	A3	140	0.65	0.65	91	6	0.089	2.45	1.02	A2
A3	PB1	19	0.65	1.30	25	6	0.024	2.36	0.98	A3
A4	A5	140	0.65	0.65	91	6	0.089	2.72	1.14	A4
A5	PB2	62	0.65	1.30	81	6	0.079	2.64	1.10	A5
A6	PB2	71	0.65	0.65	46	6	0.045	2.60	1.08	A6
PB2	PB1	116	0.00	1.95	226	6	0.222	2.56	1.07	PB2
PB1	PB3	114	0.00	3.25	371	6	0.363	2.33	0.97	PB1
PB3	A8	76	0.00	4.55	346	6	0.339	1.97	0.82	PB3
A8	PB4	48	0.65	5.20	250	6	0.245	1.63	0.68	A8
PB4	PB5	78	0.00	5.20	406	6	0.397	1.39	0.58	PB4
PB5	A9	27	0.00	5.20	140	6	0.138	0.99	0.41	PB5
A9	A10	51	0.65	5.85	298	6	0.292	0.85	0.36	A9
A10	PB6	55	0.65	6.50	358	6	0.350	0.56	0.23	A10
PB6	PS-1	33	0.00	6.50	215	6	0.210	0.21	0.09	PB6

