

FILE PATH: Z:\CAD-Engineering - New (2011 & New)\Maine Projects\Franklin Towers (P64032801) ISS.dwg(Digital Dwg) & Calc\FAC-603.dwg

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24" x 36" - ACP D Size

Channel	Description	Alarm Current	% Drop	Unit Load*	Wire Length	Spare Current	Spare Voltage/Drop
A3-1	FIFTH FLOOR NOTIFICATION	1.260A	9.71%	21	709	58%	53%
A3-2	SIXTH FLOOR NOTIFICATION	1.260A	10.11%	21	739	58%	51%
A3-3	SEVENTH FLOOR NOTIFICATION	1.260A	10.51%	21	769	58%	49%

ID/Name Address	Device Type	PID	Setting	Custom Label (Max 40 Characters)	SWITCH SETTINGS									
					1	2	3	4	5	6	7	8		
A3-1-1	ASTRB	4906-9256	15cd	FIFTH FLR - 509	3-1-1	X								ON
A3-1-2	ASTRB	4906-9256	15cd	FIFTH FLR - EAST WING	3-1-2	X								ON
A3-1-3	ASTRB	4906-9256	15cd	FIFTH FLR - 514	3-1-3	X								ON
A3-1-4	ASTRB	4906-9256	15cd	FIFTH FLR - 501	3-1-4	X								ON
A3-1-5	ASTRB	4906-9256	15cd	FIFTH FLR - WEST WING	3-1-5	X								ON
A3-1-6	ASTRB	4906-9256	15cd	FIFTH FLR - WEST WING	3-1-6	X								ON
A3-1-7	ASTRB	4906-9256	15cd	FIFTH FLR - 503	3-1-7	X								ON
A3-1-8	ASTRB	4906-9256	15cd	FIFTH FLR - 505	3-1-8	X								ON
A3-1-9	ASTRB	4906-9256	15cd	FIFTH FLR - 507	3-1-9	X								ON
A3-1-10	ASTRB	4906-9256	15cd	FIFTH FLR - WEST WING	3-1-10	X								ON
A3-1-11	ASTRB	4906-9256	15cd	FIFTH FLR - 506	3-1-11	X								ON
A3-1-12	ASTRB	4906-9256	15cd	FIFTH FLR - 504	3-1-12	X								ON
A3-1-13	ASTRB	4906-9256	15cd	FIFTH FLR - 502	3-1-13	X								ON
A3-1-14	ASTRB	4906-9256	15cd	FIFTH FLR - WEST WING	3-1-14	X								ON
A3-1-15	ASTRB	4906-9256	15cd	FIFTH FLR - 508	3-1-15	X								ON
A3-1-16	ASTRB	4906-9256	15cd	FIFTH FLR - EAST WING	3-1-16	X								ON
A3-1-17	ASTRB	4906-9256	15cd	FIFTH FLR - 510	3-1-17	X								ON
A3-1-18	ASTRB	4906-9256	15cd	FIFTH FLR - 512	3-1-18	X								ON
A3-1-19	ASTRB	4906-9256	15cd	FIFTH FLR - EAST WING	3-1-19	X								ON
A3-1-20	ASTRB	4906-9256	15cd	FIFTH FLR - 513	3-1-20	X								ON
A3-1-21	ASTRB	4906-9256	15cd	FIFTH FLR - 511	3-1-21	X								ON
A3-1-22						X								ON

ID/Name Address	Device Type	PID	Setting	Custom Label (Max 40 Characters)	SWITCH SETTINGS									
					1	2	3	4	5	6	7	8		
A3-2-1	ASTRB	4906-9256	15cd	SIXTH FLR - 609	3-2-1	X								ON
A3-2-2	ASTRB	4906-9256	15cd	SIXTH FLR - EAST WING	3-2-2	X								ON
A3-2-3	ASTRB	4906-9256	15cd	SIXTH FLR - 614	3-2-3	X								ON
A3-2-4	ASTRB	4906-9256	15cd	SIXTH FLR - 601	3-2-4	X								ON
A3-2-5	ASTRB	4906-9256	15cd	SIXTH FLR - WEST WING	3-2-5	X								ON
A3-2-6	ASTRB	4906-9256	15cd	SIXTH FLR - WEST WING	3-2-6	X								ON
A3-2-7	ASTRB	4906-9256	15cd	SIXTH FLR - 603	3-2-7	X								ON
A3-2-8	ASTRB	4906-9256	15cd	SIXTH FLR - 605	3-2-8	X								ON
A3-2-9	ASTRB	4906-9256	15cd	SIXTH FLR - 607	3-2-9	X								ON
A3-2-10	ASTRB	4906-9256	15cd	SIXTH FLR - WEST WING	3-2-10	X								ON
A3-2-11	ASTRB	4906-9256	15cd	SIXTH FLR - 606	3-2-11	X								ON
A3-2-12	ASTRB	4906-9256	15cd	SIXTH FLR - 604	3-2-12	X								ON
A3-2-13	ASTRB	4906-9256	15cd	SIXTH FLR - 602	3-2-13	X								ON
A3-2-14	ASTRB	4906-9256	15cd	SIXTH FLR - WEST WING	3-2-14	X								ON
A3-2-15	ASTRB	4906-9256	15cd	SIXTH FLR - 608	3-2-15	X								ON
A3-2-16	ASTRB	4906-9256	15cd	SIXTH FLR - EAST WING	3-2-16	X								ON
A3-2-17	ASTRB	4906-9256	15cd	SIXTH FLR - 610	3-2-17	X								ON
A3-2-18	ASTRB	4906-9256	15cd	SIXTH FLR - 612	3-2-18	X								ON
A3-2-19	ASTRB	4906-9256	15cd	SIXTH FLR - EAST WING	3-2-19	X								ON
A3-2-20	ASTRB	4906-9256	15cd	SIXTH FLR - 613	3-2-20	X								ON
A3-2-21	ASTRB	4906-9256	15cd	SIXTH FLR - 611	3-2-21	X								ON
A3-2-22						X								ON

ID/Name Address	Device Type	PID	Setting	Custom Label (Max 40 Characters)	SWITCH SETTINGS									
					1	2	3	4	5	6	7	8		
A3-3-1	ASTRB	4906-9256	15cd	SEVENTH FLR - 709	3-3-1	X								ON
A3-3-2	ASTRB	4906-9256	15cd	SEVENTH FLR - EAST WING	3-3-2	X								ON
A3-3-3	ASTRB	4906-9256	15cd	SEVENTH FLR - 714	3-3-3	X								ON
A3-3-4	ASTRB	4906-9256	15cd	SEVENTH FLR - 701	3-3-4	X								ON
A3-3-5	ASTRB	4906-9256	15cd	SEVENTH FLR - WEST WING	3-3-5	X								ON
A3-3-6	ASTRB	4906-9256	15cd	SEVENTH FLR - WEST WING	3-3-6	X								ON
A3-3-7	ASTRB	4906-9256	15cd	SEVENTH FLR - 703	3-3-7	X								ON
A3-3-8	ASTRB	4906-9256	15cd	SEVENTH FLR - 705	3-3-8	X								ON
A3-3-9	ASTRB	4906-9256	15cd	SEVENTH FLR - 707	3-3-9	X								ON
A3-3-10	ASTRB	4906-9256	15cd	SEVENTH FLR - WEST WING	3-3-10	X								ON
A3-3-11	ASTRB	4906-9256	15cd	SEVENTH FLR - 706	3-3-11	X								ON
A3-3-12	ASTRB	4906-9256	15cd	SEVENTH FLR - 704	3-3-12	X								ON
A3-3-13	ASTRB	4906-9256	15cd	SEVENTH FLR - 702	3-3-13	X								ON
A3-3-14	ASTRB	4906-9256	15cd	SEVENTH FLR - WEST WING	3-3-14	X								ON
A3-3-15	ASTRB	4906-9256	15cd	SEVENTH FLR - 708	3-3-15	X								ON
A3-3-16	ASTRB	4906-9256	15cd	SEVENTH FLR - EAST WING	3-3-16	X								ON
A3-3-17	ASTRB	4906-9256	15cd	SEVENTH FLR - 710	3-3-17	X								ON
A3-3-18	ASTRB	4906-9256	15cd	SEVENTH FLR - 712	3-3-18	X								ON
A3-3-19	ASTRB	4906-9256	15cd	SEVENTH FLR - EAST WING	3-3-19	X								ON
A3-3-20	ASTRB	4906-9256	15cd	SEVENTH FLR - 713	3-3-20	X								ON
A3-3-21	ASTRB	4906-9256	15cd	SEVENTH FLR - 711	3-3-21	X								ON
A3-3-22						X								ON

Notification SLC Distributed Load Voltage Drop											
Starting Voltage: 29vdc		Primary Wire Gauge: 14ga		Wire Res. Per Ft. 0.003070 @ 75° Celsius							
Min. Device Voltage: 23vdc		Home Run Wire Gauge: 14ga		Wire Res. Per Ft. 0.003070 @ 75° Celsius							
Allowable % Drop: 20.7%											
Branch	Device #	From	Distance (Feet)	PID	Setting	Class B Calculations			% Vdrop		
						Device Draw	Current at Device	Voltage Drop			
1	A3-1-1	PANEL	85	4906-9256	15cd	0.0600	1.260	0.658	28.342	Branch 1: 9.71% Length: 709	
1	A3-1-2	A3-1-1	25	4906-9256	15cd	0.0600	1.200	0.184	28.158		
1	A3-1-3	A3-1-2	35	4906-9256	15cd	0.0600	1.140	0.245	27.913		
1	A3-1-4	A3-1-3	24	4906-9256	15cd	0.0600	1.080	0.159	27.754		
1	A3-1-5	A3-1-4	33	4906-9256	15cd	0.0600	1.020	0.207	27.547		
1	A3-1-6	A3-1-5	18	4906-9256	15cd	0.0600	0.960	0.106	27.441		
1	A3-1-7	A3-1-6	28	4906-9256	15cd	0.0600	0.900	0.155	27.287		
1	A3-1-8	A3-1-7	36	4906-9256	15cd	0.0600	0.840	0.186	27.101		
1	A3-1-9	A3-1-8	18	4906-9256	15cd	0.0600	0.780	0.086	27.015		
1	A3-1-10	A3-1-9	15	4906-9256	15cd	0.0600	0.720	0.066	26.948		
1	A3-1-11	A3-1-10	37	4906-9256	15cd	0.0600	0.660	0.150	26.798		
1	A3-1-12	A3-1-11	34	4906-9256	15cd	0.0600	0.600	0.125	26.673		
1	A3-1-13	A3-1-12	35	4906-9256	15cd	0.0600	0.540	0.116	26.557		
1	A3-1-14	A3-1-13	34	4906-9256	15cd	0.0600	0.480	0.100	26.457		
1	A3-1-15	A3-1-14	24	4906-9256	15cd	0.0600	0.420	0.062	26.395		
1	A3-1-16	A3-1-15	29	4906-9256	15cd	0.0600	0.360	0.064	26.331		
1	A3-1-17	A3-1-16	37	4906-9256	15cd	0.0600	0.300	0.068	26.263		
1	A3-1-18	A3-1-17	16	4906-9256	15cd	0.0600	0.240	0.024	26.239		
1	A3-1-19	A3-1-18	18	4906-9256	15cd	0.0600	0.180	0.020	26.219		
1	A3-1-20	A3-1-19	36	4906-9256	15cd	0.0600	0.120	0.027	26.193		
1	A3-1-21	A3-1-20	27	4906-9256	15cd	0.0600	0.060	0.010	26.183		
1	PANEL	A3-1-21	65	RETURN		0.0000	0.000	0.000	26.183		

Distributed Load Voltage Drop											
Starting Voltage: 29vdc		Primary Wire Gauge: 14ga		Wire Res. Per Ft. 0.003070 @ 75° Celsius							
Min. Device Voltage: 23vdc		Home Run Wire Gauge: 14ga		Wire Res. Per Ft. 0.003070 @ 75° Celsius							
Allowable % Drop: 20.7%											
Branch	Device #	From	Distance (Feet)	PID	Setting	Class B Calculations			% Vdrop		
						Device Draw	Current at Device	Voltage Drop			
1	A3-2-1	PANEL	100	4906-9256	15cd	0.0600	1.260	0.774	26.226	Branch 1: 10.11% Length: 739	
1	A3-2-2	A3-2-1	25	4906-9256	15cd	0.0600	1.200	0.184	26.042		
1	A3-2-3	A3-2-2	35	4906-9256	15cd	0.0600	1.140	0.245	25.797		
1	A3-2-4	A3-2-3	24	4906-9256	15cd	0.0600	1.080	0.159	25.638		
1	A3-2-5	A3-2-4	33	4906-9256	15cd	0.0600	1.020	0.207	25.431		
1	A3-2-6	A3-2-5	18	4906-9256	15cd	0.0600	0.960	0.106	25.325		
1	A3-2-7	A3-2-6	28	4906-9256	15cd	0.0600	0.900	0.155			