

ELECTRICAL PEAK CHECKSUMS

By MFIA Inc.

Alternative 1

Proposed Building

Yearly Time of Peak: 17(Hr) 8(Month)

Equipment Description	Electrical Demand (kw)	Percent of Total (%)
Cooling Equipment		
Air-cooled chiller - 001	42.34	49.45
Sub total	42.34	49.45
Fan Equipment		
Sys 1: Chilled Beams-First	2.65	3.09
Sys 2: Chilled Beams-second	4.30	5.03
Sub total	6.95	8.12
Miscellaneous		
Lights	15.69	18.32
Base Utilities	0.00	0.00
Misc Equipment	20.64	24.11
Sub total	36.33	42.43
Total	85.62	100

Alternative 2

ASHRAE Baseline 90.1-10 Clim

Yearly Time of Peak: 16(Hr) 8(Month)

Equipment Description	Electrical Demand (kw)	Percent of Total (%)
Cooling Equipment		
Air-cooled unitary - 009	7.29	6.91
Air-cooled unitary - 001	5.44	5.16
Air-cooled unitary - 002	2.71	2.57
Air-cooled unitary - 003	5.13	4.86
Air-cooled unitary - 004	3.59	3.40
Air-cooled unitary - 005	7.35	6.97
Air-cooled unitary - 006	7.54	7.15
Air-cooled unitary - 008	8.41	7.98
Air-cooled unitary - 007	4.58	4.35
Sub total	52.04	49.35
Fan Equipment		
Sys 1: System - 001 1st South-West	1.96	1.85
Sys 2: System - 002 1st South-East	2.30	2.18
Sys 3: System - 003 1st North West	0.95	0.90
Sys 4: System - 004 1st North East	1.66	1.58
Sys 5: System - 005 Teaching Kitchen	1.14	1.08
Sys 6: System - 006 2nd South-West	2.14	2.03
Sys 7: System - 007 2nd South-East	2.25	2.13
Sys 8: System - 008 2nd North-West	1.45	1.37
Sys 9: System - 009 2nd North East	2.39	2.27
Sub total	16.24	15.39

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Miscellaneous

Misc Equipment	19.56	18.55
Lights	17.60	16.69
Base Utilities	0.00	0.00

Sub total	37.16	35.24
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Total	105.44	100
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