

PEAK COOLING LOADS

MAIN SYSTEM

By RLF

			SPACE								COIL								
System	Zone	Room	Floor Area ft²	Peak Time Mo/Hr	OA Condition		Room Dry Bulb °F	Supply Dry Bulb °F	Space Air Flow cfm	Space Sensible Load Btu/h	Space Latent Load Btu/h	Peak Time Mo/Hr	OA Condition		Supply Dry Bulb °F	Coil Airflow cfm	Coil Sensible Load Btu/h	Coil Latent Load Btu/h	
					DB	WB							DB	WB					
Alternative 1																			
		174-ENTRY/RECEPTION	Peak	237	6/18	91	74	75.0	55.1	580	12,813	800	6 /16	94	75	55.1	580	15,460	1,212
		174E-OFFICE	Peak	157	6/19	88	73	75.0	55.1	213	4,710	400	6 /17	93	75	55.1	213	6,449	687
		174F-CORRIDOR	Peak	264	6/16	94	75	75.0	55.1	243	5,365	0	8 /16	93	77	55.1	243	8,030	676
		175A-OFFICE	Peak	80	6/16	94	75	75.0	55.1	86	1,907	200	8 /15	93	77	55.1	86	2,752	391
		175B-OFFICE	Peak	80	6/16	94	75	75.0	55.1	86	1,900	200	8 /15	93	77	55.1	86	2,745	391
		175C-OFFICE	Peak	80	6/16	94	75	75.0	55.1	86	1,907	200	8 /15	93	77	55.1	86	2,752	391
		175D-OFFICE	Peak	80	6/16	94	75	75.0	55.1	86	1,907	200	8 /15	93	77	55.1	86	2,752	391
		175-ELEC	Peak	46	6/19	88	73	75.0	55.1	82	1,806	0	6 /18	91	74	55.1	82	2,287	83
AHU		Peak	1,024			91	74	75.0	55.1	1,462	32,316	2,000		94	75	55.1	1,462	42,874	4,221
AHU		Block	1,024		6/18	91	74	75.0	55.1	1,453	32,121	2,000	6 /16	94	75	55.1	1,436	43,249	3,782