PEAK HEATING LOADS

MAIN SYSTEM

By RLF

	OA Condition	
	DB	WB
Peak Time	°F	°F
Htg Design	38	27

System	Zone	Room	Block or Peak	Floor Area ft²	SPACE Room Dry Bulb °F	SPACE Supply Dry Bulb °F	SPACE Space Air Flow cfm	SPACE Space Sensible Load Btu/h	COIL Supply Dry Bulb °F	COIL Coil Air Flow cfm	COIL Coil Sensible Load Btu/h
Alternative 1											
		117 BREAK ROOM	Peak	185	70.0	112.2	57	-2,701	112.2	57	-3,881
		118 S TLT	Peak	44	70.0	112.0	22	-1,041	112.0	22	-1,498
	Zone - 1-1-1		Peak	229	70.0	112.1	80	-3,742	112.1	80	-5,379
	Zone - 1-1-1		Block	229	70.0	112.1	80	-3,742	112.1	80	-5,379
		119 CONF/CONSULT	Peak	102	70.0	92.6	45	-1,126	92.6	45	-2,042
		120 PROVIDER OFF	Peak	113	70.0	96.6	40	-1,172	96.6	40	-1,983
	Zone - 1-1-2		Peak	215	70.0	94.5	84	-2,299	94.5	84	-4,026
	Zone - 1-1-2		Block	215	70.0	94.5	84	-2,299	94.5	84	-4,026
		111 TEAM STATION	Peak	150	70.0	90.9	26	-594	90.9	26	-1,119
		125 TEAM STATION	Peak	198	70.0	89.6	36	-784	89.6	36	-1,519
		126 B TLT	Peak	198	70.0	135.2	11	-784	135.2	11	-1,006
		129 CORR CENTRAL	Peak	125	70.0	166.1	7	-728	166.1	7	-867
		130 CORR	Peak	99	70.0	135.1	5	-392	135.1	5	-503
		131 CORR	Peak	224	70.0	135.2	12	-887	135.2	12	-1,138
		132 CORR NORTH	Peak	113	70.0	147.9	6	-537	147.9	6	-664
	Zone - 1-1-3		Peak	1,107	70.0	111.1	103	-4,706	111.1	103	-6,815
	Zone - 1-1-3		Block	1,107	70.0	111.1	103	-4,706	111.1	103	-6,815
		121 EXAM ROOM 10	Peak	116	70.0	93.8	58	-1,527	93.8	58	-2,709
		122 EXAM ROOM 9	Peak	116	70.0	93.8	55	-1,471	93.8	55	-2,610
		123 EXAM ROOM 8	Peak	116	70.0	94.0	47	-1,247	94.0	47	-2,205
		124 MECH	Peak	41	70.0	100.0	26	-884	100.0	26	-1,426
	Zone - 1-1-4		Peak	389	70.0	94.7	186	-5,129	94.7	186	-8,950
	Zone - 1-1-4		Block	389	70.0	94.7	186	-5,129	94.7	186	-8,950
		100 LOBBY	Peak	420	70.0	94.4	161	-4,388	94.4	161	-7,694
		101 W TLT	Peak	47	70.0	135.1	3	-186	135.1	3	-239
		102 M TLT	Peak	47	70.0	135.1	3	-186	135.1	3	-239
	Zone - 1-2-1		Peak	514	70.0	95.7	166	-4,761	95.7	166	-8,172
	Zone - 1-2-1		Block	514	70.0	95.7	166	-4,761	95.7	166	-8,172
		113 ELEC	Peak	55	70.0	114.0	11	-519	114.0	11	-736
		114 EVS	Peak	57	70.0	152.0	11	-1,036	152.0	11	-1,269
		115 SOIL	Peak	56	70.0	143.5	6	-476	143.5	6	-595
		116 MANAGER OFF	Peak	102	70.0	128.5	21	-1,386	128.5	21	-1,822
	Zone - 1-2-2		Peak	270	70.0	132.6	49	-3,417	132.6	49	-4,423

	OA Condition	
	DB	WB
Peak Time	°F	°F
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						SPACE			COIL		
			Block	Floor	Room	Supply	Space	Space	Supply	Coil	Coil
			or	Area	Dry	Dry	Air	Sensible	Dry	Air	Sensible
			Peak		Bulb	Bulb	Flow	Load	Bulb	Flow	Load
System	Zone	Room		ft²	°F	°F	cfm	Btu/h	°F	cfm	Btu/h
	Zone - 1-2-2		Block	270	70.0	132.6	49	-3,417	132.6	49	-4,423
		109 PROVIDER OFF	Peak	117	70.0	120.6	29	-1,622	120.6	29	-2,212
		112 POC	Peak	20	70.0	135.1	1	-79	135.1	1	-102
		129 CORR NORTH	Peak	77	70.0	177.9	11	-1,267	177.9	11	-1,484
	Zone - 1-2-3		Peak	214	70.0	135.9	40	-2,969	135.9	40	-3,798
	Zone - 1-2-3		Block	214	70.0	135.9	40	-2,969	135.9	40	-3,798
		105 EXAM ROOM 2	Peak	117	70.0	94.9	17	-463	94.9	17	-806
		106 EXAM ROOM 3	Peak	117	70.0	94.9	17	-463	94.9	17	-806
		107 EXAMS ROOM 4	Peak	117	70.0	94.9	17	-463	94.9	17	-806
		108 EXAM ROOM 5	Peak	117	70.0	94.9	17	-463	94.9	17	-806
	Zone - 1-2-4		Peak	468	70.0	94.9	67	-1,853	94.9	67	-3,226
	Zone - 1-2-4		Block	468	70.0	94.9	67	-1,853	94.9	67	-3,226
		103 RECEPTION/SCHEDULING	Peak	325	70.0	97.5	42	-1,287	97.5	42	-2,148
		110 EXAM ROOM 6	Peak	116	70.0	94.8	17	-459	94.8	17	-801
		127 CLEAN STORAGE	Peak	92	70.0	135.1	5	-364	135.1	5	-467
		128 COMM	Peak	90	70.0	72.2	143	-356	72.2	143	-3,289
		132 CORR SOUTH	Peak	166	70.0	113.1	25	-1,184	113.1	25	-1,689
	Zone - 1-2-5		Peak	789	70.0	84.2	231	-3,651	84.2	231	-8,394
	Zone - 1-2-5		Block	789	70.0	84.2	231	-3,650	84.2	231	-8,394
		104 EXAM ROOM 1	Peak	117	70.0	135.6	26	-1,910	135.6	26	-2,447
		129 CORR SOUTH	Peak	155	70.0	122.5	18	-1,065	122.5	18	-1,438
	Zone - 1-2-6		Peak	272	70.0	130.2	44	-2,975	130.2	44	-3,885
	Zone - 1-2-6		Block	272	70.0	130.2	44	-2,975	130.2	44	-3,885
AHU			**Peak**	**4,466**	**70.0**	**100.3**	**1,050**	**-35,501**	**100.3**	**1,050**	**-57,066**
AHU			**Block**	**4,466**	**70.0**	**100.3**	**1,050**	**-35,501**	**100.3**	**1,050**	**-57,066**