

*** BUILDING ***

FLOOR AREA 171490 SQFT 15931 M2
VOLUME 1767951 CUFT 50068 M3

TIME	COOLING LOAD				HEATING LOAD			
	=====				=====			
	JUL 23 7PM				JAN 5 3AM			
DRY-BULB TEMP	88 F		31 C		19 F		-7 C	
WET-BULB TEMP	68 F		20 C		16 F		-9 C	
TOT HORIZONTAL SOLAR RAD	105 BTU/H.SQFT		331 W/M2		0 BTU/H.SQFT		0 W/M2	
WINDSPEED AT SPACE	0.0 KTS		0.0 M/S		0.0 KTS		0.0 M/S	
CLOUD AMOUNT 0(CLEAR)-10	0				9			

	SENSIBLE		LATENT		SENSIBLE	
	(KBTU/H)	(KW)	(KBTU/H)	(KW)	(KBTU/H)	(KW)
WALL CONDUCTION	102.290	29.971	0.000	0.000	-182.179	-53.378
ROOF CONDUCTION	22.117	6.480	0.000	0.000	-23.976	-7.025
WINDOW GLASS+FRM COND	55.060	16.133	0.000	0.000	-233.181	-68.322
WINDOW GLASS SOLAR	362.844	106.313	0.000	0.000	29.525	8.651
DOOR CONDUCTION	0.000	0.000	0.000	0.000	0.000	0.000
INTERNAL SURFACE COND	0.000	0.000	0.000	0.000	0.000	0.000
UNDERGROUND SURF COND	-6.780	-1.986	0.000	0.000	-49.265	-14.435
OCCUPANTS TO SPACE	55.961	16.397	44.125	12.929	0.239	0.070
LIGHT TO SPACE	89.762	26.300	0.000	0.000	31.172	9.133
EQUIPMENT TO SPACE	370.937	108.684	24.084	7.057	5.036	1.476
PROCESS TO SPACE	12.069	3.536	8.781	2.573	0.000	0.000
INFILTRATION	11.965	3.506	3.395	0.995	-44.945	-13.169
TOTAL	1076.226	315.334	80.384	23.553	-467.574	-136.999
TOTAL / AREA	0.006	0.020	0.000	0.001	-0.003	-0.009
TOTAL LOAD	1156.610 KBTU/H		338.887 KW		-467.574 KBTU/H	-136.999 KW
TOTAL LOAD / AREA	6.74 BTU/H.SQFT		21.271 W/M2		2.727 BTU/H.SQFT	8.599 W/M2

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* NOTE 1)THE ABOVE LOADS EXCLUDE OUTSIDE VENTILATION AIR *
* ---- LOADS *
* 2)TIMES GIVEN IN STANDARD TIME FOR THE LOCATION *
* IN CONSIDERATION *
* 3)THE ABOVE LOADS ARE CALCULATED ASSUMING A *
* CONSTANT INDOOR SPACE TEMPERATURE *
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*** BUILDING ***

FLOOR AREA 171490 SQFT 15931 M2
VOLUME 1767951 CUFT 50068 M3

TIME	COOLING LOAD				HEATING LOAD			
	=====				=====			
	JUL 23 8PM				JAN 5 5AM			
DRY-BULB TEMP	88 F		31 C		21 F		-6 C	
WET-BULB TEMP	68 F		20 C		18 F		-8 C	
TOT HORIZONTAL SOLAR RAD	57 BTU/H.SQFT		179 W/M2		0 BTU/H.SQFT		0 W/M2	
WINDSPEED AT SPACE	2.7 KTS		1.4 M/S		0.0 KTS		0.0 M/S	
CLOUD AMOUNT 0(CLEAR)-10	0				10			

	SENSIBLE		LATENT		SENSIBLE	
	(KBTU/H)	(KW)	(KBTU/H)	(KW)	(KBTU/H)	(KW)
WALL CONDUCTION	102.897	30.149	0.000	0.000	-183.386	-53.732
ROOF CONDUCTION	18.172	5.324	0.000	0.000	-23.970	-7.023
WINDOW GLASS+FRM COND	60.758	17.802	0.000	0.000	-226.928	-66.490
WINDOW GLASS SOLAR	346.848	101.627	0.000	0.000	23.851	6.988
DOOR CONDUCTION	0.000	0.000	0.000	0.000	0.000	0.000
INTERNAL SURFACE COND	0.000	0.000	0.000	0.000	0.000	0.000
UNDERGROUND SURF COND	-4.571	-1.339	0.000	0.000	-49.265	-14.435
OCCUPANTS TO SPACE	36.964	10.831	36.415	10.670	36.797	10.782
LIGHT TO SPACE	70.671	20.707	0.000	0.000	34.540	10.120
EQUIPMENT TO SPACE	258.660	75.787	15.974	4.680	57.830	16.944
PROCESS TO SPACE	7.067	2.071	4.829	1.415	3.323	0.974
INFILTRATION	11.897	3.486	3.375	0.989	-44.197	-12.950
TOTAL	909.364	266.444	60.593	17.754	-371.405	-108.822
TOTAL / AREA	0.005	0.017	0.000	0.001	-0.002	-0.007
TOTAL LOAD	969.957 KBTU/H		284.197 KW		-371.405 KBTU/H	-108.822 KW
TOTAL LOAD / AREA	5.66 BTU/H.SQFT		17.838 W/M2		2.166 BTU/H.SQFT	6.830 W/M2

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* CONSTANT INDOOR SPACE TEMPERATURE *
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