

\*\*\* BUILDING \*\*\*

FLOOR AREA 273164 SQFT 25377 M2  
VOLUME 2885681 CUFT 81722 M3

TIME	COOLING LOAD				HEATING LOAD			
	=====				=====			
	JUL 23 8PM				JAN 5 3AM			
DRY-BULB TEMP	88 F		31 C		19 F		-7 C	
WET-BULB TEMP	68 F		20 C		17 F		-8 C	
TOT HORIZONTAL SOLAR RAD	57 BTU/H.SQFT		179 W/M2		0 BTU/H.SQFT		0 W/M2	
WINDSPEED AT SPACE	3.1 KTS		1.6 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	357.744	104.819	0.000	0.000	-534.522	-156.615
ROOF CONDUCTION	25.611	7.504	0.000	0.000	-31.928	-9.355
WINDOW GLASS+FRM COND	234.765	68.786	0.000	0.000	-903.951	-264.858
WINDOW GLASS SOLAR	722.631	211.731	0.000	0.000	67.067	19.651
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	-0.096	-0.028	0.000	0.000	-13.088	-3.835
OCCUPANTS TO SPACE	98.159	28.761	52.790	15.467	81.450	23.865
LIGHT TO SPACE	150.798	44.184	0.000	0.000	35.389	10.369
EQUIPMENT TO SPACE	284.704	83.418	13.020	3.815	62.306	18.256
PROCESS TO SPACE	107.651	31.542	0.000	0.000	20.454	5.993
INFILTRATION	17.620	5.163	4.999	1.465	-71.148	-20.846
TOTAL	1999.586	585.879	70.809	20.747	-1287.972	-377.376
TOTAL / AREA	0.007	0.023	0.000	0.001	-0.005	-0.015
TOTAL LOAD	2070.395 KBTU/H		606.626 KW		-1287.972 KBTU/H	-377.376 KW
TOTAL LOAD / AREA	7.58 BTU/H.SQFT		23.904 W/M2		4.715 BTU/H.SQFT	14.870 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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