*** BUILDING ***

FLOOR AREA 171490 SQFT 15931 M2 VOLUME 1767951 CUFT 50068 M3

	COOLING LOAD	HEATING LOAD
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TIME	JUN 21 7PM	DEC 21 4AM
DRY-BULB TEMP	83 F 28 C	24 F -4 C
WET-BULB TEMP	64 F 18 C	20 F -7 C
TOT HORIZONTAL SOLAR RAD	112 BTU/H.SQFT 352 W/M2	0 BTU/H.SQFT 0 W/M2
WINDSPEED AT SPACE	4.3 KTS 2.2 M/S	8.7 KTS 4.5 M/S
CLOUD AMOUNT 0(CLEAR)-10	0	10

	SENSIBLE		LATENT		SENSIBLE	
	(KBTU/H)	(KW)	(KBTU/H)	(KW)	(KBTU/H) (KW)	
WALL CONDUCTION	85.935	25.179	0.000	0.000	-186.816 -54.737	
ROOF CONDUCTION	18.397	5.390	0.000	0.000	-19.088 -5.593	
WINDOW GLASS+FRM COND	43.929	12.871	0.000	0.000	-227.923 -66.781	
WINDOW GLASS SOLAR	354.333	103.820	0.000	0.000	5.075 1.487	
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	-8.488	-2.487	0.000	0.000	-41.972 -12.298	
OCCUPANTS TO SPACE	55.968	16.399	44.125	12.929	0.213 0.062	
LIGHT TO SPACE	91.096	26.691	0.000	0.000	30.973 9.075	
EQUIPMENT TO SPACE	616.804	180.724	32.232	9.444	5.036 1.476	
PROCESS TO SPACE	12.069	3.536	8.781	2.573	0.000 0.000	
INFILTRATION	8.383	2.456	0.083	0.024	-40.539 -11.878	
TOTAL	1278.427	374.579	85.221	24.970	-475.041 -139.187	
TOTAL / AREA	0.007	0.024	0.000	0.002	-0.003 -0.009	
TOTAL LOAD	1363.648	KBTU/H	399.549	KW	-475.041 KBTU/H -139.187 K	
TOTAL LOAD / AREA	7.95	BTU/H.SQFT	25.078	W/M2	2.770 BTU/H.SQFT 8.736 W	

**************** * 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 ***************

*** BUILDING ***

FLOOR AREA 171490 SQFT 15931 M2 VOLUME 1767951 CUFT 50068 M3

	COOLING LO)AD	HEATING LOAD			
TIME	JUL 23 8	BPM	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			

	SENSIBLE		LATENT		SENS.	SENSIBLE	
	(KBTU/H)	(KW)	(KBTU/H)	(KW)	(KBTU/H)	(KW)	
WALL CONDUCTION	104.225	30.538	0.000	0.000	-184.477	-54.052	
ROOF CONDUCTION	18.176	5.325	0.000	0.000	-23.582	-6.909	
WINDOW GLASS+FRM COND	59.719	17.498	0.000	0.000	-223.195	-65.396	
WINDOW GLASS SOLAR	335.465	98.291	0.000	0.000	23.595	6.913	
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	36.966	10.831	36.415	10.670	36.803	10.783	
LIGHT TO SPACE	72.027	21.104	0.000	0.000	34.916	10.231	
EQUIPMENT TO SPACE	437.400	128.158	22.492	6.590	92.510	27.105	
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	1078.371	315.963	67.111	19.664	-333.569	-97.736	
TOTAL / AREA	0.006	0.020	0.000	0.001	-0.002	-0.006	
TOTAL LOAD	1145.482	KBTU/H	335.626	KW	-333.569 KBTU/H	-97.736	KW
TOTAL LOAD / AREA	6.68	BTU/H.SQFT	21.066	W/M2	1.945 BTU/H.SQFT	6.135	W/M2

***************** * 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