*** BUILDING ***

FLOOR AREA 171490 SQFT 15931 M2 VOLUME 1767951 CUFT 50068 M3

		COOLIN	NG LOAD		HEATING LOAD				
					===========	=======================================			
TIME		JUN	21 7PM		DEC 21	DEC 21 4AM			
DRY-BULB TEMP	24 F	-4 C							
WET-BULB TEMP		83 F 64 F			24 F 20 F				
TOT HORIZONTAL SOLAR RA						2			
WINDSPEED AT SPACE					10	4.5 M/S			
CLOUD AMOUNT 0(CLEAR)-10		U			10				
	SENSIBLE LATE			ENT	SENS	SENSIBLE			
	(KBTU/H)	(KW)	(KBTU/H)	(KW)	(KBTU/H)	(KW)			
WALL CONDUCTION	100.445	29.430	0.000	0.000	-218.044	-63.887			
ROOF CONDUCTION	56.309	16.499	0.000	0.000	-53.475	-15.668			
WINDOW GLASS+FRM COND	87.804	25.727	0.000	0.000	-448.464	-131.400			
WINDOW GLASS SOLAR	549.696	161.061	0.000	0.000	8.395	2.460			
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	-8.430	-2.470	0.000	0.000	-41.864	-12.266			
OCCUPANTS TO SPACE	54.996	16.114	44.125	12.929	0.206	0.060			
LIGHT TO SPACE	177.940	52.136	0.000	0.000	52.069	15.256			
EQUIPMENT TO SPACE	644.745	188.910	33.337	9.768	5.003	1.466			
PROCESS TO SPACE	11.905	3.488	8.781	2.573	0.000	0.000			
INFILTRATION	8.383	2.456	0.083	0.024	-40.539	-11.878			
					======				
		493.351			-736.712				
TOTAL / AREA	0.010	0.031	0.001	0.002	-0.004	-0.014			
TOTAL LOAD	1770.119	KBTU/H	518.645	KW	-736.712 KBTU/H	-215.857	KW		
TOTAL LOAD / AREA	10.32	BTU/H.SQFT	32.554	W/M2	4.296 BTU/H.SQFT	13.549	W/M2		

HEATING LOAD

WEATHER FILE- SEATTLE BOEING FI WA

*** BUILDING ***

FLOOR AREA 171490 SQFT 15931 M2 VOLUME 1767951 CUFT 50068 M3

COOLING LOAD

			=======================================					
TIME	JUL 23 8PM				JAN 5 5AM			
			_					
DRY-BULB TEMP		88 F						
WET-BULB TEMP		68 F						
TOT HORIZONTAL SOLAR RA								
WINDSPEED AT SPACE		2.7 KTS	1.	4 M/S	0.0 KTS 0.0 M/S			
CLOUD AMOUNT 0(CLEAR)-1	0	0			10			
	SEN	SIBLE	LAT	ENT	SENSIBLE			
	(KBTU/H)	(KW)	(KBTU/H)	(KW)	(KBTU/H) (KW)			
WALL CONDUCTION	121.419	35.576	0.000	0.000	-217.399 -63.698			
ROOF CONDUCTION	58.541	17.152	0.000	0.000	-63.383 -18.571			
WINDOW GLASS+FRM COND	116.912	34.255	0.000	0.000	-411.821 -120.664			
WINDOW GLASS SOLAR	526.494	154.263	0.000	0.000	37.796 11.074			
DOOR CONDUCTION					0.000 0.000			
INTERNAL SURFACE COND	0.000	0.000	0.000	0.000	0.000 0.000			
UNDERGROUND SURF COND	-4.527	-1.326	0.000	0.000	-49.138 -14.397			
OCCUPANTS TO SPACE	36.314	10.640	36.415	10.670	36.105 10.579			
LIGHT TO SPACE	138.426	40.559	0.000	0.000	60.902 17.844			
EQUIPMENT TO SPACE	458.553	134.356	23.376	6.849	95.679 28.034			
PROCESS TO SPACE	6.974	2.043	4.829	1.415	3.271 0.958			
INFILTRATION	11.897	3.486	3.375	0.989	-44.197 -12.950			
TOTAL	1471.003	431.004	67.995	19.923	-552.186 -161.790			
TOTAL / AREA	0.009	0.027	0.000	0.001	-0.003 -0.010			
TOTAL LOAD	1530 000	ע אוייים א	450 926	им	-552.186 KBTU/H -161.790 KW			
					3.220 BTU/H.SQFT 10.155 W/M	12		
TOTAL LOAD / AREA	0.97	BIU/H.SQFT	∠0.303	W / MZ	3.220 B10/H.SQFT 10.155 W/M	12		

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