

*** BUILDING ***

TIME	COOLING LOAD				HEATING LOAD			
	AUG 14 4PM				FEB 3 7AM			
DRY-BULB TEMP	95 F		35 C	-12 F		-24 C		
WET-BULB TEMP	74 F		22 C	-12 F		-24 C		
TOT HORIZONTAL SOLAR RAD	227 BTU/H.SQFT		715 W/M2	0 BTU/H.SQFT		0 W/M2		
WINDSPEED AT SPACE	9.3 KTS		4.8 M/S	6.4 KTS		3.3 M/S		
CLOUD AMOUNT (0(CLEAR)-10)	0			0				
	SENSIBLE				SENSIBLE			
	(BTU/H)	(KW)	(BTU/H)	(KW)	(BTU/H)	(KW)	(BTU/H)	(KW)
WALL CONDUCTION	17.616	5.162	0.000	0.000	-33.693	-9.872	0.000	0.000
ROOF CONDUCTION	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WINDOW GLASS+FRM COND	42.067	12.326	0.000	0.000	-125.631	-36.810	0.000	0.000
WINDOW GLASS SOLAR	146.770	43.004	0.000	0.000	10.467	3.067	0.000	0.000
DOOR CONDUCTION	3.313	1.147	0.000	0.000	-5.749	-1.688	0.000	0.000
INTERNAL SURFACE COND	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
UNDERGROUND SURF COND	-12.211	-3.578	0.000	0.000	-41.871	-12.274	0.000	0.000
OCCUPANTS TO SPACE	36.398	10.840	31.354	15.222	0.577	0.169	0.000	0.000
LIGHT TO SPACE	74.948	21.960	0.000	0.000	2.803	0.821	0.000	0.000
EQUIPMENT TO SPACE	75.558	22.129	0.000	0.000	6.809	1.995	0.000	0.000
PROCESS TO SPACE	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
INFILTRATION	4.746	1.391	3.756	1.100	-30.590	-8.963	0.000	0.000
TOTAL	390.407	114.389	55.709	16.323	-216.899	-63.551	0.000	0.000
TOTAL / AREA	0.011	0.034	0.002	0.005	-0.006	-0.019	0.000	0.000
TOTAL LOAD	446.116 BTU/H		130.712 KW		-216.899 BTU/H		-63.551 KW	
TOTAL LOAD / AREA	12.26 BTU/H.SQFT		38.672 W/M2		5.962 BTU/H.SQFT		18.802 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 *

CONSTRUCTION NAME	U-VALUE (BTU/HR-SQFT-F)	SURFACE AREA (SQ FT)	SURFACE ROUGHNESS INDEX	SURFACE TYPE	NUMBER OF RESPONSE FACTORS
EL1 IWall Construction	0.084	0.60	1	DELAYED	8
EL1 IWall Construction	0.402	0.70	3	DELAYED	4
EL1 IFlr Construction	0.623	0.70	2	OUTIC	0
EL1 IFlr Construction	0.066	0.68	2	OUTIC	0
EL1 Roof Construction	0.066	0.68	1	DELAYED	4
EL1 Cellg Construction	0.361	0.70	3	OUTIC	0
EL1 IWall Construction	0.402	0.70	3	DELAYED	4
EL1 IFlr Construction	0.941	0.70	3	DELAYED	4
EL1 IFlr Construction	0.100	0.70	3	DELAYED	6
EL1 IFlr Construction	0.660	0.70	3	DELAYED	4
EL1 WComp (S.NL.U2)	0.010	0.70	3	DELAYED	36
EL1 WComp (S.NL.U2)	0.139	0.70	3	DELAYED	52
EL1 WComp (S.NL.U3)	0.010	0.70	3	DELAYED	36
EL1 WComp (S.NL.U3)	0.139	0.70	3	DELAYED	52
EL1 WComp (S.NL.U4)	0.010	0.70	3	DELAYED	36
EL1 WComp (S.NL.U4)	0.139	0.70	3	DELAYED	52
EL1 WComp (S.NL.U5)	0.010	0.70	3	DELAYED	36
EL1 WComp (S.NL.U5)	0.139	0.70	3	DELAYED	52
EL1 WComp (S.NL.U6)	0.010	0.70	3	DELAYED	36
EL1 WComp (S.NL.U6)	0.139	0.70	3	DELAYED	52
EL1 WComp (S.NL.U7)	0.010	0.70	3	DELAYED	36
EL1 WComp (S.NL.U7)	0.139	0.70	3	DELAYED	52
EL1 WComp (S.NL.U8)	0.010	0.70	3	DELAYED	36
EL1 WComp (S.NL.U8)	0.139	0.70	3	DELAYED	52
EL1 WComp (S.NL.U9)	0.010	0.70	3	DELAYED	36
EL1 WComp (S.NL.U9)	0.139	0.70	3	DELAYED	52
EL1 WComp (S.NL.U10)	0.010	0.70	3	DELAYED	36
EL1 WComp (S.NL.U10)	0.139	0.70	3	DELAYED	52
EL1 WComp (S.NL.U11)	0.010	0.70	3	DELAYED	36
EL1 WComp (S.NL.U11)	0.139	0.70	3	DELAYED	52
EL1 WComp (S.NL.U12)	0.010	0.70	3	DELAYED	36
EL1 WComp (S.NL.U12)	0.139	0.70	3	DELAYED	52
EL1 WComp (S.NL.U13)	0.010	0.70	3	DELAYED	36
EL1 WComp (S.NL.U13)	0.139	0.70	3	DELAYED	52
EL1 WComp (S.NL.U14)	0.010	0.70	3	DELAYED	36
EL1 WComp (S.NL.U14)	0.139	0.70	3	DELAYED	52
EL1 WComp (S.NL.U15)	0.010	0.70	3	DELAYED	36
EL1 WComp (S.NL.U15)	0.139	0.70	3	DELAYED	52
EL1 WComp (S.NL.U16)	0.010	0.70	3	DELAYED	36
EL1 WComp (S.NL.U16)	0.139	0.70	3	DELAYED	52
EL1 WComp (S.NL.U17)	0.010	0.70	3	DELAYED	36
EL1 WComp (S.NL.U17)	0.139	0.70	3	DELAYED	52
EL1 WComp (S.NL.U18)	0.010	0.70	3	DELAYED	36
EL1 WComp (S.NL.U18)	0.139	0.70	3	DELAYED	52
EL1 WComp (S.NL.U19)	0.010	0.70	3	DELAYED	36
EL1 WComp (S.NL.U19)	0.139	0.70	3	DELAYED	52
EL1 WComp (S.NL.U20)	0.010	0.70	3	DELAYED	36
EL1 WComp (S.NL.U20)	0.139	0.70	3	DELAYED	52
EL1 WComp (S.NL.U21)	0.010	0.70	3	DELAYED	36
EL1 WComp (S.NL.U21)	0.139	0.70	3	DELAYED	52
EL1 WComp (S.NL.U22)	0.010	0.70	3	DELAYED	36
EL1 WComp (S.NL.U22)	0.139	0.70	3	DELAYED	52
EL1 WComp (S.NL.U23)	0.010	0.70	3	DELAYED	36
EL1 WComp (S.NL.U23)	0.139	0.70	3	DELAYED	52
EL1 WComp (S.NL.U24)	0.010	0.70	3	DELAYED	36
EL1 WComp (S.NL.U24)	0.139	0.70	3	DELAYED	52
EL1 WComp (S.NL.U25)	0.010	0.70	3	DELAYED	36
EL1 WComp (S.NL.U25)	0.139	0.70	3	DELAYED	52
EL1 WComp (S.NL.U26)	0.010	0.70	3	DELAYED	36
EL1 WComp (S.NL.U26)	0.139	0.70	3	DELAYED	52
EL1 WComp (S.NL.U27)	0.010	0.70	3	DELAYED	36
EL1 WComp (S.NL.U27)	0.139	0.70	3	DELAYED	52
EL1 WComp (S.NL.U28)	0.010	0.70	3	DELAYED	36
EL1 WComp (S.NL.U28)	0.139	0.70	3	DELAYED	52
EL1 WComp (S.NL.U29)	0.010	0.70	3	DELAYED	36
EL1 WComp (S.NL.U29)	0.139	0.70	3	DELAYED	52
EL1 WComp (S.NL.U30)	0.010	0.70	3	DELAYED	36
EL1 WComp (S.NL.U30)	0.139	0.70	3	DELAYED	52
EL1 WComp (S.NL.U31)	0.010	0.70	3	DELAYED	36
EL1 WComp (S.NL.U31)	0.139	0.70	3	DELAYED	52
EL1 WComp (S.NL.U32)	0.010	0.70	3	DELAYED	36
EL1 WComp (S.NL.U32)	0.139	0.70	3	DELAYED	52
EL1 WComp (S.NL.U33)	0.010	0.70	3	DELAYED	36
EL1 WComp (S.NL.U33)	0.139	0.70	3	DELAYED	52
EL1 WComp (S.NL.U34)	0.010	0.70	3	DELAYED	36
EL1 WComp (S.NL.U34)	0.139	0.70	3	DELAYED	52
EL1 WComp (S.NL.U35)	0.010	0.70	3	DELAYED	36
EL1 WComp (S.NL.U35)	0.139	0.70	3	DELAYED	52
EL1 WComp (S.NL.U36)	0.010	0.70	3	DELAYED	36
EL1 WComp (S.NL.U36)	0.139	0.70	3	DELAYED	52
EL1 WComp (S.NL.U37)	0.010	0.70	3	DELAYED	36
EL1 WComp (S.NL.U37)	0.139	0.70	3	DELAYED	52
EL1 WComp (S.NL.U38)	0.010	0.70	3	DELAYED	36
EL1 WComp (S.NL.U38)	0.139	0.70	3	DELAYED	52
EL1 WComp (S.NL.U39)	0.010	0.70	3	DELAYED	36
EL1 WComp (S.NL.U39)	0.139	0.70	3	DELAYED	52
EL1 WComp (S.NL.U40)	0.010	0.70	3	DELAYED	36
EL1 WComp (S.NL.U40)	0.139	0.70	3	DELAYED	52
EL1 WComp (S.NL.U41)	0.010	0.70	3	DELAYED	36
EL1 WComp (S.NL.U41)	0.139	0.70	3	DELAYED	52

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