

Zone Checksums

By MATENO

CONDO SALES

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 14			Mo/Hr: 7 / 14			Mo/Hr: Heating Design				Cooling			Heating
Outside Air:		OADB/WB/HR: 109 / 90 / 188			OADB: 109			OADB: 46				SADB	53.6	70.0	
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Space Sens	Coil Peak Tot Sens	Percent Of Total	Plenum	88.7	64.7	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	88.7	64.7	
Envelope Loads															
Skylite Solar	0	0	0	0	0	0	0	0	0	0	0	Ret/OA	88.7	64.7	
Skylite Cond	0	0	0	0	0	0	0	0	0	0	0	Fn MtrTD	0.0	0.0	
Roof Cond	0	2,559	2,559	42	0	0	0	0	0	-599	76	Fn BldTD	0.0	0.0	
Glass Solar	2	0	2	0	2	0	0	0	0	0	0	Fn Frict	0.0	0.0	
Glass Cond	1	0	1	0	1	0	0	0	-1	-1	0				
Wall Cond	5	2	7	0	5	0	0	0	-2	-3	0				
Partition	0	0	0	0	0	0	0	0	0	0	0				
Exposed Floor	0	0	0	0	0	0	0	0	0	0	0				
Infiltration	706	0	706	12	219	7	18	7	-141	-141	18				
<i>Sub Total ==></i>	714	2,561	3,275	54	227	7	94	7	-143	-743	94				
Internal Loads															
Lights	273	68	341	6	273	9	0	9	0	0	0				
People	1,000	0	1,000	17	500	16	0	16	0	0	0				
Misc	1,500	0	1,500	25	1,500	48	0	48	0	0	0				
<i>Sub Total ==></i>	2,773	68	2,841	47	2,273	72	0	72	0	0	0				
Ceiling Load															
Ventilation Load	650	-650	0	0	650	21	-157	21	0	0	0				
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0	0	0	0				
Ov/Undr Sizing	0	0	0	0	0	0	0	0	0	0	0				
Exhaust Heat	0	-88	-88	-1	0	0	21	-3	21	-3	0				
Sup. Fan Heat	0	0	0	0	0	0	0	0	0	0	0				
Ret. Fan Heat	0	0	0	0	0	0	0	0	0	0	0				
Duct Heat Pkup	0	0	0	0	0	0	0	0	0	0	0				
Reheat at Design	0	0	0	0	0	0	-66	8	-66	8	0				
<i>Grand Total ==></i>	4,137	1,892	6,029	100.00	3,150	100.00	-301	100.00	-301	-787	100.00				

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	6	6
Supply	136	136
MinStop/Rh	0	0
Return	142	142
Exhaust	6	6
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	0.90	0.90
cfm/ton	270.08	
ft2/ton	298.58	
Btu/hr-ft2	40.19	-5.25
No. People	2	

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			F	F	gr/lb	F	F	gr/lb
Main Clg	0.5	6.0	5.0	136	88.7	66.9	66.8	53.6	52.1	57.4
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.5	6.0								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	150		
Part	0		
ExFlr	0		
Roof	150	0	0
Wall	1	0	5

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent F	Lvg F
Main Htg	-0.8	136	64.7	70.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-0.8			

Zone Checksums

By MATENO

EXEC AS

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 14			Mo/Hr: 7 / 14		Mo/Hr: Heating Design				Cooling			Heating
Outside Air:		OADB/WB/HR: 109 / 90 / 188			OADB: 109		OADB: 46				SADB	54.1	69.7	
Space Sens.	Plenum Sens.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent	Space Sens	Tot Sens	Of Total	Plenum	Return	Ret/OA
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Fn MtrTD	Fn BldTD	Fn Frict
Envelope Loads														
Skylite Solar	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Skylite Cond	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Roof Cond	0	2,047	2,047	38	0	0	0	67	0	-479	0	88.7	88.7	88.7
Glass Solar	1	0	1	0	1	0	0	0	0	0	0	0.0	0.0	0.0
Glass Cond	1	0	1	0	1	0	0	0	-1	-1	0	0.0	0.0	0.0
Wall Cond	4	1	5	0	4	0	0	0	-2	-3	0	0.0	0.0	0.0
Partition	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Exposed Floor	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Infiltration	565	0	565	10	175	6	0	16	-113	-113	0	0.0	0.0	0.0
Sub Total ==>	571	2,048	2,619	49	181	6	Sub Total ==>	84	-115	-595	84			
Internal Loads														
Lights	273	68	341	6	273	9	Lights	0	0	0	0	0	0	0
People	1,000	0	1,000	19	500	17	People	0	0	0	0	0	0	0
Misc	1,500	0	1,500	28	1,500	50	Misc	0	0	0	0	0	0	0
Sub Total ==>	2,773	68	2,841	53	2,273	76	Sub Total ==>	0	0	0	0			
Ceiling Load														
Ventilation Load	520	-520	0	0	520	17	Ceiling Load	-126	0	0	0			
Dehumid. Ov Sizing	0	0	0	0	0	0	Ventilation Load	0	0	0	0			
Ov/Undr Sizing	0	0	0	0	0	0	Ov/Undr Sizing	0	0	0	0			
Exhaust Heat	0	-70	-70	-1	0	0	Exhaust Heat	0	17	-2	0			
Sup. Fan Heat	0	0	0	0	0	0	OA Preheat Diff.	0	0	0	0			
Ret. Fan Heat	0	0	0	0	0	0	RA Preheat Diff.	0	0	0	0			
Duct Heat Pkup	0	0	0	0	0	0	Additional Reheat	0	0	0	0			
Reheat at Design	0	0	0	0	0	0	System Plenum Heat	-133	19	0	0			
Grand Total ==>	3,864	1,527	5,390	100.00	2,974	100.00	Grand Total ==>	-241	-711	100.00				

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	5	5
Supply	131	131
MinStop/Rh	0	0
Return	136	136
Exhaust	5	5
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	1.09	1.09
cfm/ton	291.37	
ft2/ton	267.14	
Btu/hr-ft2	44.92	-5.92
No. People	2	

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			F	F	gr/lb	F	F	gr/lb
Main Clg	0.5	5.4	4.5	131	88.7	66.9	66.8	54.1	53.4	61.4
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.5	5.4								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	120		
Part	0		
ExFlr	0		
Roof	120	0	0
Wall	1	0	5

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	
			MBh	Lvg
		cfm	F	F
Main Htg	-0.7	131	64.7	69.7
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-0.7			

Zone Checksums

By MATENO

EXEC OFFICE

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 8 / 14			Mo/Hr: 8 / 14		Mo/Hr: Heating Design				Cooling			Heating
Outside Air:		OADB/WB/HR: 106 / 89 / 190			OADB: 106		OADB: 46				SADB	56.1	71.1	
Space Sens.	Plenum Sens.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent	Space Sens	Tot Sens	Of Total	Plenum	Return	Ret/OA
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Fn MtrTD	Fn BldTD	Fn Frict
Envelope Loads														
Skylite Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Skylite Cond	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Roof Cond	0	3,089	3,089	35	0	0	0	0	0	-766	45	0	0	0
Glass Solar	567	0	567	6	567	11	0	0	0	0	0	0	0	0
Glass Cond	140	0	140	2	140	3	0	0	0	-99	6	0	0	0
Wall Cond	1,024	354	1,378	16	1,024	20	0	0	0	-335	27	0	0	0
Partition	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exposed Floor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Infiltration	889	0	889	10	255	5	0	0	0	-180	11	0	0	0
Sub Total ==>	2,621	3,442	6,063	69	1,987	39	-614	-1,502	88					
Internal Loads														
Lights	273	68	341	4	273	5	0	0	0	0	0	0	0	0
People	1,000	0	1,000	11	500	10	0	0	0	0	0	0	0	0
Misc	1,500	0	1,500	17	1,500	30	0	0	0	0	0	0	0	0
Sub Total ==>	2,773	68	2,841	32	2,273	45	0	0	0					
Ceiling Load														
Ventilation Load	789	-789	0	0	789	16	-201	0	0	0	0	0	0	0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ov/Undr Sizing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exhaust Heat	0	-106	-106	-1	0	0	0	27	-2	0	0	0	0	0
Sup. Fan Heat	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ret. Fan Heat	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Duct Heat Pkup	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reheat at Design	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total ==>	6,183	2,615	8,798	100.00	5,050	100.00	-815	-1,701	100.00					

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	8	8
Supply	247	247
MinStop/Rh	0	0
Return	254	254
Exhaust	8	8
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	1.29	1.29
cfm/ton	336.54	
ft2/ton	261.88	
Btu/hr-ft2	45.82	-8.86
No. People	2	

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			F	F	gr/lb	F	F	gr/lb
Main Clg	0.7	8.8	7.7	247	88.0	66.7	66.8	56.1	55.1	65.1
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.7	8.8								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	192		
Part	0		
ExFlr	0		
Roof	192	0	0
Wall	176	9	5

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	
			MBh	Lvg
		cfm	F	F
Main Htg	-1.7	247	64.7	71.1
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-1.7			

Zone Checksums

By MATENO

EXEC OFFICE COPY

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 14			Mo/Hr: 7 / 14		Mo/Hr: Heating Design				Cooling			Heating	
Outside Air:		OADB/WB/HR: 109 / 90 / 188			OADB: 109		OADB: 46				SADB	54.4	69.5		
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total (%)							
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h								
Envelope Loads					Envelope Loads			Envelope Loads				AIRFLOWS			
Skylite Solar	0	0	0	0	0	0	0	0	0	0	0	0	Cooling		Heating
Skylite Cond	0	0	0	0	0	0	0	0	0	0	0	0	Vent	0	0
Roof Cond	0	1,706	1,706	34	0	0	0	0	0	-399	60	0	Infil	4	4
Glass Solar	2	0	2	0	2	0	0	0	0	0	0	0	Supply	128	128
Glass Cond	1	0	1	0	1	0	0	0	0	-1	0	0	MinStop/Rh	0	0
Wall Cond	5	2	7	0	5	0	0	0	0	-2	-3	0	Return	132	132
Partition	0	0	0	0	0	0	0	0	0	0	0	0	Exhaust	4	4
Exposed Floor	0	0	0	0	0	0	0	0	0	0	0	0	Rm Exh	0	0
Infiltration	471	0	471	9	146	5	-94	-94	14	-94	-94	14	Auxil	0	0
Sub Total ==>	479	1,708	2,186	44	154	5	Sub Total ==>	-96	-496	75					
Internal Loads					Internal Loads			Internal Loads				ENGINEERING CKS			
Lights	273	68	341	7	273	10	Lights	0	0	0	0	0	% OA	0.0	0.0
People	1,000	0	1,000	20	500	17	People	0	0	0	0	0	cfm/ft2	1.28	1.28
Misc	1,500	0	1,500	30	1,500	52	Misc	0	0	0	0	0	cfm/ton	308.99	
Sub Total ==>	2,773	68	2,841	57	2,273	79	Sub Total ==>	0	0	0	0	0	ft2/ton	241.48	
Ceiling Load					Ceiling Load			Ceiling Load				Btu/hr-ft2			
Ventilation Load	433	-433	0	0	433	15	Ventilation Load	-105	0	0	0	0	No. People	2	
Dehumid. Ov Sizing	0	0	0	0	0	0	Dehumid. Ov Sizing	0	0	0	0	0			
Ov/Undr Sizing	0	0	0	0	0	0	Ov/Undr Sizing	0	0	0	0	0			
Exhaust Heat	0	-58	-58	-1	0	0	Exhaust Heat	0	14	-2	0	0			
Sup. Fan Heat	0	0	0	0	0	0	OA Preheat Diff.	0	0	0	0	0			
Ret. Fan Heat	0	0	0	0	0	0	RA Preheat Diff.	0	0	0	0	0			
Duct Heat Pkup	0	0	0	0	0	0	Additional Reheat	0	0	0	0	0			
Reheat at Design	0	0	0	0	0	0	System Plenum Heat	-178	27	0	0	0			
Grand Total ==>	3,685	1,284	4,969	100.00	2,860	100.00	Grand Total ==>	-201	-660	100.00					

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	cfm	F	F	gr/lb	F	F	gr/lb	ft2	(%)	MBh	cfm	F	F		
Main Clg	0.4	5.0	4.1	128	88.7	66.9	66.8	54.4	54.2	64.3	Floor	100	-0.7	128	64.7	69.5	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	0.0	0	0.0	0.0	
Total	0.4	5.0									Roof	100	0.0	0	0.0	0.0	
											Wall	1	0.0	0	0.0	0.0	
											Total		-0.7	0	0.0	0.0	

Zone Checksums

By MATENO

FOOD MANAGER

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 14			Mo/Hr: 7 / 14		Mo/Hr: Heating Design				Cooling			Heating
Outside Air:		OADB/WB/HR: 109 / 90 / 188			OADB: 109		OADB: 46				SADB	55.7	71.4	
Space Sens.	Plenum Sens.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent	Space Sens	Tot Sens	Of Total	Plenum	Return	Ret/OA
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Fn BldTD	Fn MtrTD	Fn Frict
Envelope Loads														
Skylite Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Skylite Cond	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Roof Cond	0	2,730	2,730	37	0	0	0	43	0	-639	43	0	0	0
Glass Solar	182	0	182	2	182	4	0	0	0	0	0	0	0	0
Glass Cond	155	0	155	2	155	4	0	7	-99	-99	7	0	0	0
Wall Cond	700	210	911	12	700	17	0	31	-335	-457	31	0	0	0
Partition	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exposed Floor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Infiltration	753	0	753	10	234	6	0	10	-150	-150	10	0	0	0
Sub Total ==>	1,790	2,940	4,730	63	1,271	30	-584	91	-584	-1,344	91	0.0	0.0	0.0
Internal Loads														
Lights	273	68	341	5	273	6	0	0	0	0	0	0	0	0
People	1,000	0	1,000	13	500	12	0	0	0	0	0	0	0	0
Misc	1,500	0	1,500	20	1,500	35	0	0	0	0	0	0	0	0
Sub Total ==>	2,773	68	2,841	38	2,273	54	0	0	0	0	0	0	0	0
Ceiling Load														
Ventilation Load	693	-693	0	0	693	16	-168	0	0	0	0	0	0	0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ov/Undr Sizing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exhaust Heat	0	-93	-93	-1	0	0	23	-2	0	0	0	0	0	0
Sup. Fan Heat	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ret. Fan Heat	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Duct Heat Pkup	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reheat at Design	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total ==>	5,256	2,222	7,478	100.00	4,237	100.00	-752	-1,478	100.00	-752	-1,478	100.00	100.00	100.00

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	6	6
Supply	202	202
MinStop/Rh	0	0
Return	209	209
Exhaust	6	6
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	1.27	1.27
cfm/ton	324.86	
ft2/ton	256.75	
Btu/hr-ft2	46.74	-9.24
No. People	2	

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			MBh	cfm	F	F	gr/lb	F
Main Clg	0.6	7.5	6.5	202	88.7	66.9	66.8	55.7	54.9	65.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.6	7.5								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	160		
Part	0		
ExFlr	0		
Roof	160	0	0
Wall	176	9	5

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	
			MBh	cfm
Main Htg	-1.5	202	64.7	71.4
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-1.5			

Zone Checksums

By MATENO

GEN MANAGER

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 14			Mo/Hr: 7 / 14		Mo/Hr: Heating Design				Cooling			Heating
Outside Air:		OADB/WB/HR: 109 / 90 / 188			OADB: 109		OADB: 46				SADB	55.1	71.6	
Space Sens.	Plenum Sens.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent	Space Sens	Tot Sens	Of Total	Plenum	Return	Ret/OA
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Fn MtrTD	Fn BldTD	Fn Frict
Envelope Loads														
Skylite Solar	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Skylite Cond	0	0	0	0	0	0	0	0	0	0	0	88.7	64.7	64.7
Roof Cond	0	3,344	3,344	41	0	0	-782	53	0	0	0	88.7	64.7	64.7
Glass Solar	159	0	159	2	159	4	0	0	0	0	0	0.0	0.0	0.0
Glass Cond	135	0	135	2	135	3	-86	6	0	0	0	0.0	0.0	0.0
Wall Cond	613	184	797	10	613	14	-293	27	0	0	0	0.0	0.0	0.0
Partition	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Exposed Floor	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Infiltration	923	0	923	11	286	7	-184	12	0	0	0	0.0	0.0	0.0
<i>Sub Total ==></i>	1,830	3,528	5,358	66	1,194	28	-563	98	0	0	0	0.0	0.0	0.0
Internal Loads														
Lights	273	68	341	4	273	6	0	0	0	0	0	0	0	0
People	1,000	0	1,000	12	500	12	0	0	0	0	0	0	0	0
Misc	1,500	0	1,500	19	1,500	35	0	0	0	0	0	0	0	0
<i>Sub Total ==></i>	2,773	68	2,841	35	2,273	53	0	0	0	0	0	0	0	0
Ceiling Load														
Ventilation Load	849	-849	0	0	849	20	-206	0	0	0	0	0	0	0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ov/Undr Sizing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exhaust Heat	0	-114	-114	-1	0	0	28	-2	0	0	0	0	0	0
Sup. Fan Heat	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ret. Fan Heat	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Duct Heat Pkup	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reheat at Design	0	0	0	0	0	0	-62	4	0	0	0	0	0	0
<i>Grand Total ==></i>	5,452	2,633	8,085	100.00	4,316	100.00	-769	100.00	-1,486	100.00				

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	8	8
Supply	200	200
MinStop/Rh	0	0
Return	208	208
Exhaust	8	8
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	1.02	1.02
cfm/ton	296.63	
ft2/ton	290.92	
Btu/hr-ft2	41.25	-7.58
No. People	2	

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			MBh	cfm	F	F	gr/lb	F
Main Clg	0.7	8.1	7.0	200	88.7	66.9	66.8	55.1	53.6	60.9
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.7	8.1								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	196		
Part	0		
ExFlr	0		
Roof	196	0	0
Wall	154	8	5

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
Main Htg	-1.5	200	64.7	71.6
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-1.5			

Zone Checksums

By MATENO

LIBRARY WAITING

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 14			Mo/Hr: 7 / 14		Mo/Hr: Heating Design				Cooling			Heating
Outside Air:		OADB/WB/HR: 109 / 90 / 188			OADB: 109		OADB: 46				SADB	41.1	73.1	
Space Sens.	Plenum Sens.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent	Space Sens	Tot Sens	Of Total	Plenum	Return	Ret/OA
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Fn MtrTD	Fn BldTD	Fn Frict
Envelope Loads														
Skylite Solar	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Skylite Cond	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Roof Cond	0	13,511	13,511	47	0	0	0	0	0	-3,161	102	88.7	64.7	64.7
Glass Solar	1,156	0	1,156	4	1,156	9	0	0	0	0	0	88.7	64.7	64.7
Glass Cond	637	0	637	2	637	5	0	0	-407	-407	13	0.0	0.0	0.0
Wall Cond	1,529	524	2,053	7	1,529	12	0	0	-639	-890	29	0.0	0.0	0.0
Partition	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Exposed Floor	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Infiltration	7,455	0	7,455	26	2,313	19	0	0	0	0	0	0.0	0.0	0.0
Sub Total ==>	10,778	14,035	24,813	86	5,636	45	-1,046	-4,458	144					
Internal Loads														
Lights	410	102	512	2	410	3	0	0	0	0	0	0	0	0
People	3,000	0	3,000	10	1,500	12	0	0	0	0	0	0	0	0
Misc	1,500	0	1,500	5	1,500	12	0	0	0	0	0	0	0	0
Sub Total ==>	4,910	102	5,012	17	3,410	27	0	0	0					
Ceiling Load														
Ceiling Load	3,431	-3,431	0	0	3,431	27	-830	0	0	0	0	0	0	0
Ventilation Load	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ov/Undr Sizing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exhaust Heat	0	-924	-924	-3	0	0	0	0	0	0	0	0	0	0
Sup. Fan Heat	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ret. Fan Heat	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Duct Heat Pkup	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reheat at Design	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total ==>	19,119	9,782	28,901	100.00	12,476	100.00	-1,877	-3,094	100.00					

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	62	0
Supply	339	339
MinStop/Rh	0	0
Return	401	339
Exhaust	62	0
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	0.43	0.43
cfm/ton	140.80	
ft2/ton	328.85	
Btu/hr-ft2	36.49	-3.91
No. People	6	

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			F	F	gr/lb	F	F	gr/lb
Main Clg	2.4	28.9	22.3	339	88.7	66.9	66.8	41.1	33.7	17.6
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	2.4	28.9								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	792		
Part	0		
ExFlr	0		
Roof	792	0	0
Wall	363	36	10

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent F	Lvg F
Main Htg	-3.1	339	64.7	73.1
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-3.1			

Zone Checksums

By MATENO

RES MANAGER

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 14			Mo/Hr: 7 / 14		Mo/Hr: Heating Design				Cooling			Heating		
Outside Air:		OADB/WB/HR: 109 / 90 / 188			OADB: 109		OADB: 46				SADB	54.1	69.7			
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total (%)								
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h									
Envelope Loads					Envelope Loads							AIRFLOWS				
Skylite Solar	0	0	0	0	0	0	Skylite Solar	0	0	0	Vent	0	0	ENGINEERING CKS		
Skylite Cond	0	0	0	0	0	0	Skylite Cond	0	0	0	Infil	5	5	% OA	0.0	0.0
Roof Cond	0	2,047	2,047	38	0	0	Roof Cond	0	-479	67	Supply	131	131	cfm/ft2	1.09	1.09
Glass Solar	1	0	1	0	1	0	Glass Solar	0	0	0	MinStop/Rh	0	0	cfm/ton	291.37	
Glass Cond	1	0	1	0	1	0	Glass Cond	-1	-1	0	Return	136	136	ft2/ton	267.14	
Wall Cond	4	1	5	0	4	0	Wall Cond	-2	-3	0	Exhaust	5	5	Btu/hr-ft2	44.92	-5.92
Partition	0	0	0	0	0	0	Partition	0	0	0	Rm Exh	0	0	No. People	2	
Exposed Floor	0	0	0	0	0	0	Exposed Floor	0	0	0	Auxil	0	0			
Infiltration	565		565	10	175	6	Infiltration	-113	-113	16						
Sub Total ==>	571	2,048	2,619	49	181	6	Sub Total ==>	-115	-595	84						
Internal Loads					Internal Loads											
Lights	273	68	341	6	273	9	Lights	0	0	0						
People	1,000		1,000	19	500	17	People	0	0	0						
Misc	1,500	0	1,500	28	1,500	50	Misc	0	0	0						
Sub Total ==>	2,773	68	2,841	53	2,273	76	Sub Total ==>	0	0	0						
Ceiling Load					Ceiling Load											
Ventilation Load	520	-520	0	0	520	17	Ceiling Load	-126	0	0						
Dehumid. Ov Sizing	0	0	0	0	0	0	Ventilation Load	0	0	0						
Ov/Undr Sizing	0	0	0	0	0	0	Ov/Undr Sizing	0	0	0						
Exhaust Heat	0	-70	-70	-1	0	0	Exhaust Heat	0	17	-2						
Sup. Fan Heat		0	0	0			OA Preheat Diff.	0	0	0						
Ret. Fan Heat		0	0	0			RA Preheat Diff.	0	0	0						
Duct Heat Pkup		0	0	0			Additional Reheat	0	0	0						
Reheat at Design		0	0	0			System Plenum Heat	-133	19							
Grand Total ==>	3,864	1,527	5,390	100.00	2,974	100.00	Grand Total ==>	-241	-711	100.00						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg					
ton	MBh	MBh	cfm	F	F	gr/lb	F	F	gr/lb	ft2	(%)	MBh	cfm	F	F				
Main Clg	0.5	5.4	4.5	131	88.7	66.9	66.8	54.1	53.4	61.4	Floor	120		Main Htg	-0.7	131	64.7	69.7	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0		Preheat	0.0	0	0.0	0.0	
Total	0.5	5.4									Roof	120	0	0	Humidif	0.0	0	0.0	0.0
											Wall	1	0	5	Opt Vent	0.0	0	0.0	0.0
											Total			-0.7					

Zone Checksums

By MATENO

SALES DIRECTOR

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 14			Mo/Hr: 7 / 14		Mo/Hr: Heating Design				Cooling			Heating
Outside Air:		OADB/WB/HR: 109 / 90 / 188			OADB: 109		OADB: 46				SADB	55.7	71.3	
Space Sens.	Plenum Sens.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Space Sens	Coil Peak Tot Sens	Percent Of Total	Plenum	88.7	64.7
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	88.7	64.7
Envelope Loads														
Skylite Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Skylite Cond	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Roof Cond	0	2,559	2,559	36	0	0	0	0	0	-599	42	0	0	0
Glass Solar	171	0	171	2	171	4	0	0	0	0	0	0	0	0
Glass Cond	145	0	145	2	145	4	0	0	0	-93	7	0	0	0
Wall Cond	657	197	854	12	657	16	0	0	0	-314	30	0	0	0
Partition	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exposed Floor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Infiltration	706	0	706	10	219	5	0	0	0	-141	10	0	0	0
<i>Sub Total ==></i>	1,678	2,756	4,434	62	1,191	29	0	0	0	-547	89	0	0	0
Internal Loads														
Lights	273	68	341	5	273	7	0	0	0	0	0	0	0	0
People	1,000	0	1,000	14	500	12	0	0	0	0	0	0	0	0
Misc	1,500	0	1,500	21	1,500	36	0	0	0	0	0	0	0	0
<i>Sub Total ==></i>	2,773	68	2,841	40	2,273	55	0	0	0	0	0	0	0	0
Ceiling Load														
Ventilation Load	650	-650	0	0	650	16	0	0	0	-157	0	0	0	0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ov/Undr Sizing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exhaust Heat	0	-88	-88	-1	0	0	0	0	0	21	-2	0	0	0
Sup. Fan Heat	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ret. Fan Heat	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Duct Heat Pkup	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reheat at Design	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Grand Total ==></i>	5,101	2,087	7,188	100.00	4,114	100.00	0	0	0	-705	100.00	0	0	0

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	6	6
Supply	197	197
MinStop/Rh	0	0
Return	203	203
Exhaust	6	6
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	1.31	1.31
cfm/ton	328.49	
ft2/ton	250.41	
Btu/hr-ft2	47.92	-9.41
No. People	2	

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			F	F	gr/lb	F	F	gr/lb
Main Clg	0.6	7.2	6.2	197	88.7	66.9	66.8	55.7	55.1	65.6
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.6	7.2								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	150		
Part	0		
ExFlr	0		
Roof	150	0	0
Wall	165	8	5

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	
			MBh	Lvg
	MBh	cfm	F	F
Main Htg	-1.4	197	64.7	71.3
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-1.4			

Zone Checksums

By MATENO

SALES RECEP

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 8 / 14			Mo/Hr: 8 / 14				Mo/Hr: Heating Design					
Outside Air:		OADB/WB/HR: 106 / 89 / 190			OADB: 106				OADB: 46					
Space Sens.	Plenum Sens.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent	Space Sens	Tot Sens	Percent	SADB	Cooling	Heating
+ Lat.	+ Lat	Btu/h	(%)	Btu/h	(%)	Space Sens	Tot Sens	Of Total	Btu/h	Btu/h	(%)	Plenum		
Btu/h	Btu/h											Return		
Envelope Loads														
Skylite Solar	0	0	0	0	0	0	0	0	0	0	0	0	56.5	70.8
Skylite Cond	0	0	0	0	0	0	0	0	0	0	0	0	88.0	64.7
Roof Cond	0	2,413	2,413	31	0	0	0	0	0	-599	39	0	88.0	64.7
Glass Solar	532	0	532	7	532	11	0	0	0	0	0	0	88.0	64.7
Glass Cond	132	0	132	2	132	3	0	0	0	-93	6	0	0.0	0.0
Wall Cond	960	331	1,292	17	960	20	0	0	0	-314	28	0	0.0	0.0
Partition	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
Exposed Floor	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
Infiltration	694	0	694	9	199	4	0	0	0	-141	9	0	0.0	0.0
<i>Sub Total ==></i>	2,318	2,744	5,063	65	1,823	39	0	0	0	-547	81	0	0.0	0.0
Internal Loads														
Lights	273	68	341	4	273	6	0	0	0	0	0	0	0.0	0.0
People	1,000	0	1,000	13	500	11	0	0	0	0	0	0	0.0	0.0
Misc	1,500	0	1,500	19	1,500	32	0	0	0	0	0	0	0.0	0.0
<i>Sub Total ==></i>	2,773	68	2,841	36	2,273	48	0	0	0	0	0	0	0.0	0.0
Ceiling Load														
Ventilation Load	617	-617	0	0	617	13	0	0	0	-157	0	0	0.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
Ov/Undr Sizing	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
Exhaust Heat	0	-83	-83	-1	0	0	0	0	0	21	-1	0	0.0	0.0
Sup. Fan Heat	0	0	0	0	0	0	0	0	0	0	0	0	1.57	1.57
Ret. Fan Heat	0	0	0	0	0	0	0	0	0	0	0	0	360.50	
Duct Heat Pkup	0	0	0	0	0	0	0	0	0	0	0	0	230.16	
Reheat at Design	0	0	0	0	0	0	0	0	0	-309	20	0	52.14	-10.32
<i>Grand Total ==></i>	5,708	2,113	7,821	100.00	4,713	100.00	0	0	0	-705	100.00	0	2	

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	6	6
Supply	235	235
MinStop/Rh	0	0
Return	241	241
Exhaust	6	6
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	1.57	1.57
cfm/ton	360.50	
ft2/ton	230.16	
Btu/hr-ft2	52.14	-10.32
No. People	2	

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			F	F	gr/lb	F	F	gr/lb
Main Clg	0.7	7.8	6.8	235	88.0	66.7	66.8	56.5	55.7	66.8
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.7	7.8								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	150		
Part	0		
ExFlr	0		
Roof	150	0	0
Wall	165	8	5

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	
			MBh	Lvg
		cfm	F	F
Main Htg	-1.6	235	64.7	70.8
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-1.6			

Zone Checksums

By MATENO

SALES REP 2

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 8 / 14			Mo/Hr: 8 / 14		Mo/Hr: Heating Design				Cooling			Heating
Outside Air:		OADB/WB/HR: 106 / 89 / 190			OADB: 106		OADB: 46				SADB	55.5	71.3	
Space Sens.	Plenum Sens.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent	Space Sens	Tot Sens	Of Total	Plenum	Return	Ret/OA
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Fn MtrTD	Fn BldTD	Fn Frict
Envelope Loads														
Skylite Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Skylite Cond	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Roof Cond	0	3,861	3,861	40	0	0	0	54	0	-958	54	0	0	0
Glass Solar	532	0	532	6	532	10	0	0	0	0	0	0	0	0
Glass Cond	132	0	132	1	132	3	0	5	-93	-93	5	0	0	0
Wall Cond	960	331	1,292	13	960	18	0	24	-314	-428	24	0	0	0
Partition	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exposed Floor	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Infiltration	1,111	0	1,111	12	319	6	0	13	-225	-225	13	0	0	0
Sub Total ==>	2,735	4,192	6,927	72	1,943	37	-632	96	-632	-1,704	96	0.0	0.0	0.0
Internal Loads														
Lights	273	68	341	4	273	5	0	0	0	0	0	0	0	0
People	1,000	0	1,000	10	500	10	0	0	0	0	0	0	0	0
Misc	1,500	0	1,500	16	1,500	29	0	0	0	0	0	0	0	0
Sub Total ==>	2,773	68	2,841	29	2,273	44	0	0	0	0	0	0	0	0
Ceiling Load														
Ventilation Load	986	-986	0	0	986	19	-252	0	0	0	0	0	0	0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ov/Undr Sizing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exhaust Heat	0	-133	-133	-1	0	0	34	-2	0	0	0	0	0	0
Sup. Fan Heat	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ret. Fan Heat	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Duct Heat Pkup	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reheat at Design	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total ==>	6,494	3,141	9,635	100.00	5,202	100.00	-884	-1,766	100.00	-884	-1,766	100.00	100.00	100.00

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	9	9
Supply	246	246
MinStop/Rh	0	0
Return	255	255
Exhaust	9	9
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	1.02	1.02
cfm/ton	306.31	
ft2/ton	298.90	
Btu/hr-ft2	40.15	-7.36
No. People	2	

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			F	F	gr/lb	F	F	gr/lb
Main Clg	0.8	9.6	8.3	246	88.0	66.7	66.8	55.5	53.8	61.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.8	9.6								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	240		
Part	0		
ExFlr	0		
Roof	240	0	0
Wall	165	8	5

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	
			MBh	Lvg
	MBh	cfm	F	F
Main Htg	-1.8	246	64.7	71.3
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-1.8			

Zone Checksums

By MATENO

SECRETARY

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 14			Mo/Hr: 7 / 14				Mo/Hr: Heating Design					
Outside Air:		OADB/WB/HR: 109 / 90 / 188			OADB: 109				OADB: 46					
Space Sens.	Plenum Sens.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent	Space Sens	Tot Sens	Of Total	SADB	Cooling	Heating
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)			
Envelope Loads														
Skylite Solar	0	0	0	0	0	0	0	0	0	0	0	0	40.0	68.0
Skylite Cond	0	0	0	0	0	0	0	0	0	0	0	88.7	64.7	
Roof Cond	0	4,220	4,220	44	0	0	0	0	0	-987	241	88.7	64.7	
Glass Solar	0	0	0	0	0	0	0	0	0	0	0	88.7	64.7	
Glass Cond	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	
Wall Cond	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	
Partition	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	
Exposed Floor	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	
Infiltration	2,329		2,329	24	723	17			-464	-464	114	0.0	0.0	
Sub Total ==>	2,329	4,220	6,549	68	723	17			-464	-1,452	355	0.0	0.0	
Internal Loads														
Lights	273	68	341	4	273	6			0	0	0	0	0	
People	1,500		1,500	16	750	17			750	750	-183	0	0	
Misc	1,500	0	1,500	16	1,500	35			0	0	0	0	0	
Sub Total ==>	3,273	68	3,341	35	2,523	58			750	750	-183	0	0	
Ceiling Load														
Ventilation Load	1,072	-1,072	0	0	1,072	25			-259	0	0	0	0	
Dehumid. Ov Sizing	0	0	0	0	0	0			0	0	0	0	0	
Ov/Undr Sizing	0	0	0	0	0	0			-27	7	7	0	0	
Exhaust Heat		-289	-289	-3					70	-17	-17	0	0	
Sup. Fan Heat		0	0	0					0	0	0	0	0	
Ret. Fan Heat		0	0	0					0	0	0	0	0	
Duct Heat Pkup		0	0	0					0	0	0	0	0	
Reheat at Design		0	0	0					250	-61	-61	0	0	
Grand Total ==>	6,673	2,928	9,602	100.00	4,317	100.00			-1	-409	100.00			

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	19	19
Supply	114	114
MinStop/Rh	0	0
Return	133	133
Exhaust	19	19
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	0.46	0.46
cfm/ton	142.03	
ft2/ton	309.18	
Btu/hr-ft2	38.81	-1.65
No. People	3	

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			F	F	gr/lb	F	F	gr/lb
Main Clg	0.8	9.6	7.3	114	88.7	66.9	66.8	40.0	34.1	20.4
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.8	9.6								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	247		
Part	0		
ExFlr	0		
Roof	247	0	0
Wall	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	
			F	Lvg
Main Htg	-0.4	114	64.7	68.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-0.4			

Zone Checksums

By MATENO

SIDEWALK

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES					
Peaked at Time:		Mo/Hr: 7 / 14			Mo/Hr: 7 / 14			Mo/Hr: Heating Design				Cooling			Heating		
Outside Air:		OADB/WB/HR: 109 / 90 / 188			OADB: 109			OADB: 46				SADB	57.0	69.1			
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Space Sens	Coil Peak Tot Sens	Percent Of Total	Plenum	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h
Envelope Loads																	
Skylite Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Skylite Cond	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Roof Cond	0	4,965	4,965	49	0	0	0	0	0	-1,162	93	0	0	0	0	0	0
Glass Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glass Cond	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wall Cond	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Partition	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exposed Floor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Infiltration	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Sub Total ==></i>	0	4,965	4,965	49	0	0	0	0	0	-1,162	93	0	0	0	0	0	0
Internal Loads																	
Lights	1,365	341	1,707	17	1,365	27	0	0	0	0	0	0	0	0	0	0	0
People	2,000	0	2,000	20	1,000	20	0	0	0	0	0	0	0	0	0	0	0
Misc	1,500	0	1,500	15	1,500	29	0	0	0	0	0	0	0	0	0	0	0
<i>Sub Total ==></i>	4,865	341	5,207	51	3,865	75	0	0	0	0	0	0	0	0	0	0	0
Ceiling Load																	
Ventilation Load	1,261	-1,261	0	0	1,261	25	-305	0	0	0	0	0	0	0	0	0	0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ov/Undr Sizing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exhaust Heat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sup. Fan Heat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ret. Fan Heat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Duct Heat Pkup	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reheat at Design	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total ==>	6,126	4,046	10,172	100.00	5,126	100.00	-305	-1,245	100.00	-305	-1,245	100.00					

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	0	0
Supply	262	262
MinStop/Rh	0	0
Return	262	262
Exhaust	0	0
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	0.90	0.90
cfm/ton	309.01	
ft2/ton	343.37	
Btu/hr-ft2	34.95	-4.28
No. People	4	

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			F	F	gr/lb	F	F	gr/lb
Main Clg	0.9	10.2	9.2	262	88.7	66.9	66.8	57.0	54.3	60.3
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.9	10.2								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	291		
Part	0		
ExFlr	0		
Roof	291	0	0
Wall	0	0	0

HEATING COIL SELECTION					
	Capacity	Coil Airflow	Ent		Lvg
			MBh	cfm	
Main Htg	-1.3	262	64.7	69.1	
Aux Htg	0.0	0	0.0	0.0	
Preheat	0.0	0	0.0	0.0	
Humidif	0.0	0	0.0	0.0	
Opt Vent	0.0	0	0.0	0.0	
Total	-1.3				