

Zone Checksums

By MATENO

BATHROOM 4CC-B

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 12			Mo/Hr: 7 / 12			Mo/Hr: Heating Design				Cooling			Heating
Outside Air:		OADB/WB/HR: 104 / 89 / 188			OADB: 104			OADB: 46				SADB	58.2	68.6	
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	Return	Fn MtrTD	Fn BldTD	Fn Frict
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	81.7	0.0	0.0	0.0
Envelope Loads															
Skylite Solar	0	0	0	0	0	0	0	0	0	0	0	81.7	0.0	0.0	0.0
Skylite Cond	0	0	0	0	0	0	0	0	0	0	0	81.7	0.0	0.0	0.0
Roof Cond	0	1,068	1,068	38	0	0	0	0	0	-353	125	81.7	0.0	0.0	0.0
Glass Solar	0	0	0	0	0	0	0	0	0	0	0	81.7	0.0	0.0	0.0
Glass Cond	0	0	0	0	0	0	0	0	0	0	0	81.7	0.0	0.0	0.0
Wall Cond	0	0	0	0	0	0	0	0	0	0	0	81.7	0.0	0.0	0.0
Partition	0	0	0	0	0	0	0	0	0	0	0	81.7	0.0	0.0	0.0
Exposed Floor	0	0	0	0	0	0	0	0	0	0	0	81.7	0.0	0.0	0.0
Infiltration	0	0	0	0	0	0	0	0	0	0	0	81.7	0.0	0.0	0.0
<i>Sub Total ==></i>	0	1,068	1,068	38	0	0	0	0	0	-353	125	81.7	0.0	0.0	0.0
Internal Loads															
Lights	205	51	256	9	205	13	0	0	0	0	0	81.7	0.0	0.0	0.0
People	500	0	500	18	250	15	0	0	0	0	0	81.7	0.0	0.0	0.0
Misc	1,000	0	1,000	35	1,000	61	0	0	0	0	0	81.7	0.0	0.0	0.0
<i>Sub Total ==></i>	1,705	51	1,756	62	1,455	89	0	0	0	0	0	81.7	0.0	0.0	0.0
Ceiling Load															
Ventilation Load	179	-179	0	0	179	11	-61	0	0	0	0	81.7	0.0	0.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0	0	0	0	81.7	0.0	0.0	0.0
Ov/Undr Sizing	0	0	0	0	0	0	0	0	0	0	0	81.7	0.0	0.0	0.0
Exhaust Heat	0	0	0	0	0	0	0	0	0	0	0	81.7	0.0	0.0	0.0
Sup. Fan Heat	0	0	0	0	0	0	0	0	0	0	0	81.7	0.0	0.0	0.0
Ret. Fan Heat	0	0	0	0	0	0	0	0	0	0	0	81.7	0.0	0.0	0.0
Duct Heat Pkup	0	0	0	0	0	0	0	0	0	0	0	81.7	0.0	0.0	0.0
Reheat at Design	0	0	0	0	0	0	0	0	0	0	0	81.7	0.0	0.0	0.0
<i>Grand Total ==></i>	1,884	940	2,824	100.00	1,634	100.00	-61	-282	100.00	-61	-282	100.00			

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	0	0
Supply	89	89
MinStop/Rh	0	0
Return	89	89
Exhaust	0	0
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	1.07	1.07
cfm/ton	380.21	
ft2/ton	355.98	
Btu/hr-ft2	33.71	-3.37
No. People	1	

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	0.2	2.8	2.6	89	81.7	64.7	66.8	58.2	54.2	58.0
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	0.2	2.8								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	84		
Part	0		
ExFlr	0		
Roof	84	0	0
Wall	0	0	0

HEATING COIL SELECTION					
	Capacity	Coil Airflow	Ent		Lvg
			MBh	cfm	
Main Htg	-0.3	89	65.7	68.6	
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	-0.3				

Zone Checksums

By MATENO

CHILD ROOM 4CC-C

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 12			Mo/Hr: 7 / 12				Mo/Hr: Heating Design					
Outside Air:		OADB/WB/HR: 104 / 89 / 188			OADB: 104				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
+ Lat.	+ Lat	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Plenum		
Btu/h	Btu/h											Return		
												Ret/OA		
												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	3,077	3,077	37	0	0	0	0	0	-1,016	51	0	0	0
Glass Solar	543	0	543	7	543	12	7	0	0	0	0	0	0	0
Glass Cond	356	0	356	4	356	8	0	0	-265	-265	13	0	0	0
Wall Cond	2,138	793	2,931	35	2,138	49	0	0	-966	-1,337	67	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sub Total ==>	3,036	3,870	6,907	83	3,036	69			-1,230	-2,617	132			
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	11	0	0	0	0	0	0	0	0
Misc	100	0	100	1	100	2	0	0	0	0	0	0	0	0
Sub Total ==>	1,373	68	1,441	17	873	20			0	0	0			
Ceiling Load														
Ventilation Load	474	-474	0	0	474	11	0	0	-162	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	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
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	630	-32	0	0	0
Grand Total ==>	4,884	3,465	8,348	100.00	4,384	100.00			-1,392	-1,987	100.00			

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	0	0
Supply	258	258
MinStop/Rh	0	0
Return	258	258
Exhaust	0	0
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	1.08	1.08
cfm/ton	370.46	
ft2/ton	344.13	
Btu/hr-ft2	34.87	-8.30
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	8.4	7.9	258	81.3	64.5	66.8	59.3	53.7	54.2
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	8.4								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	239		
Part	0		
ExFlr	0		
Roof	239	0	0
Wall	505	24	5

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	
			F	Lvg
	MBh	cfm	F	F
Main Htg	-2.0	258	65.9	73.0
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	-2.0			

Zone Checksums

By MATENO

CHILDS BATH 4CC-A

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 12			Mo/Hr: 7 / 12		Mo/Hr: Heating Design				Cooling			Heating	
Outside Air:		OADB/WB/HR: 104 / 89 / 188			OADB: 104		OADB: 46				SADB	58.8	69.2		
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	80.4	66.2	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	80.4	66.2	
Envelope Loads															
Skylite Solar	0	0	0	0	0	0	0	0	Skylite Solar	0	0	0	Fn MtrTD	0.0	0.0
Skylite Cond	0	0	0	0	0	0	0	0	Skylite Cond	0	0	0	Fn BldTD	0.0	0.0
Roof Cond	0	665	665	23	0	0	0	0	Roof Cond	0	-220	61	Fn Frict	0.0	0.0
Glass Solar	0	0	0	0	0	0	0	0	Glass Solar	0	0	0			
Glass Cond	0	0	0	0	0	0	0	0	Glass Cond	0	0	0			
Wall Cond	373	137	510	17	373	19	373	19	Wall Cond	-117	-160	44			
Partition	0	0	0	0	0	0	0	0	Partition	0	0	0			
Exposed Floor	0	0	0	0	0	0	0	0	Exposed Floor	0	0	0			
Infiltration	0	0	0	0	0	0	0	0	Infiltration	0	0	0			
<i>Sub Total ==></i>	373	802	1,175	40	373	19	373	19	<i>Sub Total ==></i>	-117	-380	106			
Internal Loads															
Lights	205	51	256	9	205	11	205	11	Lights	0	0	0			
People	500		500	17	250	13	250	13	People	0	0	0			
Misc	1,000	0	1,000	34	1,000	52	1,000	52	Misc	0	0	0			
<i>Sub Total ==></i>	1,705	51	1,756	60	1,455	76	1,455	76	<i>Sub Total ==></i>	0	0	0			
Ceiling Load															
Ceiling Load	87	-87	0	0	87	5	87	5	Ceiling Load	-29	0	0			
Ventilation Load	0	0	0	0	0	0	0	0	Ventilation Load	0	0	0			
Dehumid. Ov Sizing			0	0					Ov/Undr Sizing	0	0	0			
Ov/Undr Sizing	0		0	0	0	0	0	0	Exhaust Heat	0	0	0			
Exhaust Heat		0	0	0					OA Preheat Diff.	0	0	0			
Sup. Fan Heat			0	0					RA Preheat Diff.	0	0	0			
Ret. Fan Heat		0	0	0					Additional Reheat	0	0	0			
Duct Heat Pkup		0	0	0					System Plenum Heat		20	-6			
Reheat at Design			0	0											
Grand Total ==>	2,165	766	2,931	100.00	1,915	100.00	1,915	100.00	Grand Total ==>	-146	-359	100.00			

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	0	0
Supply	109	109
MinStop/Rh	0	0
Return	109	109
Exhaust	0	0
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	2.14	2.14
cfm/ton	446.34	
ft2/ton	208.67	
Btu/hr-ft2	57.51	-7.05
No. People	1	

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	0.2	2.9	2.7	109	80.4	64.2	66.8	58.8	55.3	61.7
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	0.2	2.9								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	51		
Part	0		
ExFlr	0		
Roof	51	0	0
Wall	57	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	
			MBh	Coil Airflow
		cfm	F	F
Main Htg	-0.4	109	66.2	69.2
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

CHILDS ROOM 4CC-A

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 12			Mo/Hr: 7 / 12		Mo/Hr: Heating Design				Cooling			Heating		
Outside Air:		OADB/WB/HR: 104 / 89 / 188			OADB: 104		OADB: 46				SADB	60.9	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	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	(%)	80.4	80.4	0.0	0.0	0.0
Envelope Loads																
Skylite Solar	0	0	0	0	0	0	0	0	0	0	0	80.4	80.4	0.0	0.0	0.0
Skylite Cond	0	0	0	0	0	0	0	0	0	0	0	80.4	80.4	0.0	0.0	0.0
Roof Cond	0	3,317	3,317	28	0	0	0	0	0	-1,097	39	80.4	80.4	0.0	0.0	0.0
Glass Solar	2,985	0	2,985	25	2,985	39	2,985	25	2,985	0	0	80.4	80.4	0.0	0.0	0.0
Glass Cond	1,957	0	1,957	17	1,957	25	1,957	25	1,957	-1,457	52	80.4	80.4	0.0	0.0	0.0
Wall Cond	643	611	1,255	11	643	8	643	8	643	-230	16	80.4	80.4	0.0	0.0	0.0
Partition	0	0	0	0	0	0	0	0	0	0	0	80.4	80.4	0.0	0.0	0.0
Exposed Floor	0	0	0	0	0	0	0	0	0	0	0	80.4	80.4	0.0	0.0	0.0
Infiltration	0	0	0	0	0	0	0	0	0	0	0	80.4	80.4	0.0	0.0	0.0
Sub Total ==>	5,585	3,928	9,513	81	5,585	72	5,585	72	5,585	-1,686	107					
Internal Loads																
Lights	205	51	256	2	205	3	205	3	205	0	0	80.4	80.4	0.0	0.0	0.0
People	1,000	0	1,000	8	500	6	500	6	500	0	0	80.4	80.4	0.0	0.0	0.0
Misc	1,000	0	1,000	8	1,000	13	1,000	13	1,000	0	0	80.4	80.4	0.0	0.0	0.0
Sub Total ==>	2,205	51	2,256	19	1,705	22	1,705	22	1,705	0	0					
Ceiling Load																
Ventilation Load	433	-433	0	0	433	6	433	6	433	-145	0	80.4	80.4	0.0	0.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0	0	0	0	80.4	80.4	0.0	0.0	0.0
Ov/Undr Sizing	0	0	0	0	0	0	0	0	0	0	0	80.4	80.4	0.0	0.0	0.0
Exhaust Heat	0	0	0	0	0	0	0	0	0	0	0	80.4	80.4	0.0	0.0	0.0
Sup. Fan Heat	0	0	0	0	0	0	0	0	0	0	0	80.4	80.4	0.0	0.0	0.0
Ret. Fan Heat	0	0	0	0	0	0	0	0	0	0	0	80.4	80.4	0.0	0.0	0.0
Duct Heat Pkup	0	0	0	0	0	0	0	0	0	0	0	80.4	80.4	0.0	0.0	0.0
Reheat at Design	0	0	0	0	0	0	0	0	0	0	0	80.4	80.4	0.0	0.0	0.0
Grand Total ==>	8,223	3,546	11,769	100.00	7,723	100.00	7,723	100.00	7,723	-1,832	-2,816	100.00				

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	0	0
Supply	504	504
MinStop/Rh	0	0
Return	504	504
Exhaust	0	0
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	1.98	1.98
cfm/ton	513.42	
ft2/ton	259.32	
Btu/hr-ft2	46.28	-11.07
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	1.0	11.8	11.3	504	80.4	64.2	66.8	60.9	56.6	63.5
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	1.0	11.8								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	254		
Part	0		
ExFlr	0		
Roof	254	0	0
Wall	294	130	44

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	
			F	Lvg
Main Htg	-2.8	504	66.2	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	-2.8			

Zone Checksums

By MATENO

CORRIDOR 4CC-A

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 12			Mo/Hr: 7 / 12		Mo/Hr: Heating Design				Cooling			Heating
Outside Air:		OADB/WB/HR: 104 / 89 / 188			OADB: 104		OADB: 46				SADB	55.0	71.6	
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	Return	80.4	66.2			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA	80.4	66.2			
Envelope Loads														
Skylite Solar	0	0	0	0	0	0	0	0	Fn MtrTD	0.0	0.0			
Skylite Cond	0	0	0	0	0	0	0	0	Fn BldTD	0.0	0.0			
Roof Cond	0	848	848	60	0	0	0	254	Fn Frict	0.0	0.0			
Glass Solar	0	0	0	0	0	0	0	0						
Glass Cond	0	0	0	0	0	0	0	0						
Wall Cond	46	15	60	4	46	11	45	45						
Partition	0	0	0	0	0	0	0	0						
Exposed Floor	0	0	0	0	0	0	0	0						
Infiltration	0	0	0	0	0	0	0	0						
<i>Sub Total ==></i>	46	862	908	64	46	11	-37	-331	299					
Internal Loads														
Lights	0	0	0	0	0	0	0	0						
People	500	0	500	36	250	62	0	0						
Misc	0	0	0	0	0	0	0	0						
<i>Sub Total ==></i>	500	0	500	36	250	62	0	0						
Ceiling Load														
Ventilation Load	111	-111	0	0	111	27	-37	0	0					
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0						
Ov/Undr Sizing	0	0	0	0	0	0	0	0						
Exhaust Heat	0	0	0	0	0	0	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	0	0	0	220	-199						
<i>Grand Total ==></i>	656	752	1,408	100.00	406	100.00	-74	-111	100.00					

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

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	0.29	0.29
cfm/ton	159.72	
ft2/ton	553.94	
Btu/hr-ft2	21.66	-1.70
No. People	1	

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	0.1	1.4	1.2	19	80.4	67.0	80.9	55.0	39.3	11.8
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	0.1	1.4								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	65		
Part	0		
ExFlr	0		
Roof	65	0	0
Wall	55	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	
			MBh	Lvg
	MBh	cfm	F	F
Main Htg	-0.1	19	66.2	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	-0.1			

Zone Checksums

By MATENO

CORRIDOR 4CC-B

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 12			Mo/Hr: 7 / 12				Mo/Hr: Heating Design					
Outside Air:		OADB/WB/HR: 104 / 89 / 188			OADB: 104				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	Skylite Solar	0	0
Skylite Cond	0	0	0	0	0	0	0	0	0	0	0	Skylite Cond	0	0
Roof Cond	0	918	918	75	0	0	0	0	0	-303	239	Roof Cond	0	0
Glass Solar	0	0	0	0	0	0	0	0	0	0	0	Glass Solar	0	0
Glass Cond	0	0	0	0	0	0	0	0	0	0	0	Glass Cond	0	0
Wall Cond	37	11	48	4	37	9	31	9	-29	-40	31	Wall Cond	0	0
Partition	0	0	0	0	0	0	0	0	0	0	0	Partition	0	0
Exposed Floor	0	0	0	0	0	0	0	0	0	0	0	Exposed Floor	0	0
Infiltration	0	0	0	0	0	0	0	0	0	0	0	Infiltration	0	0
<i>Sub Total ==></i>	37	929	966	79	37	9	-29	9	-29	-343	271	<i>Sub Total ==></i>	0.0	0.0
Internal Loads														
Lights	205	51	256	21	205	52	0	52	0	0	0	Lights	0	0
People	0	0	0	0	0	0	0	0	0	0	0	People	0	0
Misc	0	0	0	0	0	0	0	0	0	0	0	Misc	0	0
<i>Sub Total ==></i>	205	51	256	21	205	52	0	52	0	0	0	<i>Sub Total ==></i>	0.0	0.0
Ceiling Load														
Ventilation Load	154	-154	0	0	154	39	-52	39	-52	0	0	Ceiling Load	0	0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0	0	0	0	Ventilation Load	0	0
Ov/Undr Sizing	0	0	0	0	0	0	0	0	0	0	0	Ov/Undr Sizing	0	0
Exhaust Heat	0	0	0	0	0	0	0	0	0	0	0	Exhaust Heat	0	0
Sup. Fan Heat	0	0	0	0	0	0	0	0	0	0	0	OA Preheat Diff.	0	0
Ret. Fan Heat	0	0	0	0	0	0	0	0	0	0	0	RA Preheat Diff.	0	0
Duct Heat Pkup	0	0	0	0	0	0	0	0	0	0	0	Additional Reheat	0	0
Reheat at Design	0	0	0	0	0	0	0	0	0	0	0	System Plenum Heat	216	-171
<i>Grand Total ==></i>	395	826	1,222	100.00	395	100.00	-82	100.00	-82	-127	100.00	<i>Grand Total ==></i>	55.0	72.1

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	0	0
Supply	18	18
MinStop/Rh	0	0
Return	18	18
Exhaust	0	0
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	0.25	0.25
cfm/ton	179.03	
ft2/ton	707.32	
Btu/hr-ft2	16.97	-1.76
No. People	0	

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	0.1	1.2	1.2	18	81.7	61.8	52.9	55.0	38.7	10.0
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	0.1	1.2								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	72		
Part	0		
ExFlr	0		
Roof	72	0	0
Wall	44	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent Lvg	
			MBh	F
Main Htg	-0.1	18	65.7	72.1
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	-0.1			

Zone Checksums

By MATENO

CORRIDOR 4CC-C

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 12			Mo/Hr: 7 / 12		Mo/Hr: Heating Design				Cooling			Heating
Outside Air:		OADB/WB/HR: 104 / 89 / 188			OADB: 104		OADB: 46				SADB	55.0	72.1	
Space Sens.	Plenum Sens.	Net Total	Percent Of Total	Space Sens.	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Space Sens	Coil Peak Tot Sens	Percent Of Total	Plenum	81.3	65.9
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	81.3	65.9
Envelope Loads														
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0	0	0	0	Ret/OA	81.3	65.9
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0	0	0	0	Fn MtrTD	0.0	0.0
Roof Cond	0	926	926	75	0	Roof Cond	0	-306	257	0	0	Fn BldTD	0.0	0.0
Glass Solar	0	0	0	0	0	Glass Solar	0	0	0	0	0	Fn Frict	0.0	0.0
Glass Cond	0	0	0	0	0	Glass Cond	0	0	0	0	0			
Wall Cond	37	11	48	4	37	10	Wall Cond	-29	-40	34				
Partition	0	0	0	0	0	0	Partition	0	0	0				
Exposed Floor	0	0	0	0	0	0	Exposed Floor	0	0	0				
Infiltration	0	0	0	0	0	0	Infiltration	0	0	0				
<i>Sub Total ==></i>	37	937	973	79	37	10	<i>Sub Total ==></i>	-29	-345	291				
Internal Loads														
Lights	205	51	256	21	205	53	Lights	0	0	0	0			
People	0	0	0	0	0	0	People	0	0	0	0			
Misc	0	0	0	0	0	0	Misc	0	0	0	0			
<i>Sub Total ==></i>	205	51	256	21	205	53	<i>Sub Total ==></i>	0	0	0	0			
Ceiling Load														
Ceiling Load	143	-143	0	0	143	37	Ceiling Load	-49	0	0	0			
Ventilation Load	0	0	0	0	0	0	Ventilation Load	0	0	0	0			
Dehumid. Ov Sizing	0	0	0	0	0	0	Ov/Undr Sizing	0	0	0	0			
Ov/Undr Sizing	0	0	0	0	0	0	Exhaust Heat	0	0	0	0			
Exhaust Heat	0	0	0	0	0	0	OA Preheat Diff.	0	0	0	0			
Sup. Fan Heat	0	0	0	0	0	0	RA Preheat Diff.	0	0	0	0			
Ret. Fan Heat	0	0	0	0	0	0	Additional Reheat	0	0	0	0			
Duct Heat Pkup	0	0	0	0	0	0	System Plenum Heat	227	-191					
Reheat at Design	0	0	0	0	0	0								
Grand Total ==>	384	845	1,229	100.00	384	100.00	Grand Total ==>	-78	-119	100.00				

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	0	0
Supply	18	18
MinStop/Rh	0	0
Return	18	18
Exhaust	0	0
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	0.25	0.25
cfm/ton	172.83	
ft2/ton	702.81	
Btu/hr-ft2	17.07	-1.65
No. People	0	

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	0.1	1.2	1.2	18	81.3	61.6	52.9	55.0	38.7	10.0
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	0.1	1.2								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	72		
Part	0		
ExFlr	0		
Roof	72	0	0
Wall	44	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent Lvg	
			MBh	CFM
Main Htg	-0.1	18	65.9	72.1
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	-0.1			

Zone Checksums

By MATENO

GENERAL BATH 4CC-C

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 12			Mo/Hr: 7 / 12		Mo/Hr: Heating Design				Cooling			Heating
Outside Air:		OADB/WB/HR: 104 / 89 / 188			OADB: 104		OADB: 46				SADB	50.1	70.2	
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	81.3	65.9
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	81.3	65.9
Envelope Loads														
Skylite Solar	0	0	0	0	0	0	0	0	0	0	0	Ret/OA	81.3	65.9
Skylite Cond	0	0	0	0	0	0	0	0	0	0	0	Fn MtrTD	0.0	0.0
Roof Cond	0	1,005	1,005	57	0	0	0	0	0	-332	316	Fn BldTD	0.0	0.0
Glass Solar	0	0	0	0	0	0	0	0	0	0	0	Fn Frict	0.0	0.0
Glass Cond	0	0	0	0	0	0	0	0	0	0	0			
Wall Cond	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0			
<i>Sub Total ==></i>	0	1,005	1,005	57	0	0	0	0	0	-332	316			
Internal Loads														
Lights	205	51	256	15	205	34	0	0	0	0	0			
People	500		500	28	250	41	0	0	0	0	0			
Misc	0	0	0	0	0	0	0	0	0	0	0			
<i>Sub Total ==></i>	705	51	756	43	455	75	0	0	0	0	0			
Ceiling Load														
Ventilation Load	155	-155	0	0	155	25	-53	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	0	0	0	0	0			
Exhaust Heat	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			
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	227	-216	0	0	0			
<i>Grand Total ==></i>	860	902	1,761	100.00	610	100.00	-53	-105	100.00					

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	0	0
Supply	23	23
MinStop/Rh	0	0
Return	23	23
Exhaust	0	0
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	0.29	0.29
cfm/ton	153.54	
ft2/ton	532.83	
Btu/hr-ft2	22.52	-1.34
No. People	1	

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	0.2	1.8	1.5	23	81.3	64.5	66.8	50.1	36.1	10.0
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	0.2	1.8								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	78		
Part	0		
ExFlr	0		
Roof	78	0	0
Wall	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent F	Lvg F
Main Htg	-0.1	23	65.9	70.2
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	-0.1			

Zone Checksums

By MATENO

KITCHEN 4CC-A

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 12			Mo/Hr: 7 / 12		Mo/Hr: Heating Design				Cooling			Heating	
Outside Air:		OADB/WB/HR: 104 / 89 / 188			OADB: 104		OADB: 46				SADB	61.7	68.2		
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	80.4	66.2	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	80.4	66.2	
Envelope Loads															
Skylite Solar	0	0	0	0	0	0	0	0	Skylite Solar	0	0	0	Fn MtrTD	0.0	0.0
Skylite Cond	0	0	0	0	0	0	0	0	Skylite Cond	0	0	0	Fn BldTD	0.0	0.0
Roof Cond	0	2,027	2,027	26	0	0	0	0	Roof Cond	0	-670	76	Fn Frict	0.0	0.0
Glass Solar	0	0	0	0	0	0	0	0	Glass Solar	0	0	0			
Glass Cond	0	0	0	0	0	0	0	0	Glass Cond	0	0	0			
Wall Cond	0	0	0	0	0	0	0	0	Wall Cond	0	0	0			
Partition	0	0	0	0	0	0	0	0	Partition	0	0	0			
Exposed Floor	0	0	0	0	0	0	0	0	Exposed Floor	0	0	0			
Infiltration	0	0	0	0	0	0	0	0	Infiltration	0	0	0			
Sub Total ==>	0	2,027	2,027	26	0	0	0	0	Sub Total ==>	0	-670	76			
Internal Loads															
Lights	205	51	256	3	205	4	205	4	Lights	0	0	0	Supply	404	404
People	500		500	6	250	4	250	4	People	0	0	0	MinStop/Rh	0	0
Misc	5,100	0	5,100	65	5,100	88	5,100	88	Misc	0	0	0	Return	404	404
Sub Total ==>	5,805	51	5,856	74	5,555	95	5,555	95	Sub Total ==>	0	0	0	Exhaust	0	0
Ceiling Load															
Ceiling Load	265	-265	0	0	265	5	265	5	Ceiling Load	-89	0	0	Rm Exh	0	0
Ventilation Load	0	0	0	0	0	0	0	0	Ventilation Load	0	0	0	Auxil	0	0
Dehumid. Ov Sizing			0	0					Ov/Undr Sizing	0	0	0			
Ov/Undr Sizing	0		0	0	0	0	0	0	Exhaust Heat	0	0	0			
Exhaust Heat		0	0	0					OA Preheat Diff.	0	0	0			
Sup. Fan Heat			0	0					RA Preheat Diff.	0	0	0			
Ret. Fan Heat		0	0	0					Additional Reheat	0	0	0			
Duct Heat Pkup		0	0	0					System Plenum Heat	-209	24				
Reheat at Design			0	0											
Grand Total ==>	6,069	1,813	7,883	100.00	5,819	100.00	5,819	100.00	Grand Total ==>	-89	-879	100.00			

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	0	0
Supply	404	404
MinStop/Rh	0	0
Return	404	404
Exhaust	0	0
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	2.60	2.60
cfm/ton	615.68	
ft2/ton	236.57	
Btu/hr-ft2	50.73	-5.66
No. People	1	

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	7.9	7.6	404	80.4	64.2	66.8	61.7	57.7	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	7.9								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	155		
Part	0		
ExFlr	0		
Roof	155	0	0
Wall	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	
			MBh	Lvg
		cfm	F	F
Main Htg	-0.9	404	66.2	68.2
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	-0.9			

Zone Checksums

By MATENO

KITCHEN 4CC-B

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 12			Mo/Hr: 7 / 12				Mo/Hr: Heating Design					
Outside Air:		OADB/WB/HR: 104 / 89 / 188			OADB: 104				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
+ Lat.	+ Lat	Btu/h	(%)	Btu/h	(%)	Space Sens	Tot Sens	Of Total	Btu/h	Btu/h	(%)	Plenum		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return		
Envelope Loads														
Skylite Solar	0	0	0	0	0	0	0	0	0	0	0	0	61.8	68.3
Skylite Cond	0	0	0	0	0	0	0	0	0	0	0	0	81.7	65.7
Roof Cond	0	2,188	2,188	27	0	0	0	0	0	-722	63	0	81.7	65.7
Glass Solar	0	0	0	0	0	0	0	0	0	0	0	0	81.7	65.7
Glass Cond	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
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	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
<i>Sub Total ==></i>	0	2,188	2,188	27	0	0	0	0	0	-722	63	0	0.0	0.0
Internal Loads														
Lights	205	51	256	3	205	3	0	0	0	0	0	0	412	412
People	500		500	6	250	4	0	0	0	0	0	0	412	412
Misc	5,100	0	5,100	63	5,100	86	0	0	0	0	0	0	0	0
<i>Sub Total ==></i>	5,805	51	5,856	73	5,555	94	0	0	0	0	0	0	0	0
Ceiling Load														
Ventilation Load	367	-367	0	0	367	6	-124	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	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
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>	6,171	1,872	8,044	100.00	5,921	100.00	-124	-1,146	100.00					

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	0	0
Supply	412	412
MinStop/Rh	0	0
Return	412	412
Exhaust	0	0
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	2.40	2.40
cfm/ton	615.19	
ft2/ton	256.00	
Btu/hr-ft2	46.88	-6.68
No. People	1	

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	8.0	7.8	412	81.7	64.7	66.8	61.8	57.7	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	8.0								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	172		
Part	0		
ExFlr	0		
Roof	172	0	0
Wall	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	
			MBh	Lvg
	MBh	cfm	F	F
Main Htg	-1.2	412	65.7	68.3
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	-1.2			

Zone Checksums

By MATENO

KITCHEN 4CC-C

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 12			Mo/Hr: 7 / 12				Mo/Hr: Heating Design					
Outside Air:		OADB/WB/HR: 104 / 89 / 188			OADB: 104				OADB: 46					
Space Sens.	Plenum Sens.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak Tot	Percent Of Total	Space Sens	Coil Peak Tot	Percent Of Total	SADB	Cooling	Heating
+ Lat	+ Lat	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Plenum		
Btu/h	Btu/h											Return		
												Ret/OA		
												Fn MtrTD		
												Fn BldTD		
												Fn Frict		
Envelope Loads														
Skylite Solar	0	0	0	0	0	0	0	0	Skylite Solar	0	0	0	0	0
Skylite Cond	0	0	0	0	0	0	0	0	Skylite Cond	0	0	0	0	0
Roof Cond	0	2,206	2,206	26	0	0	0	0	Roof Cond	0	-728	56	0	0
Glass Solar	0	0	0	0	0	0	0	0	Glass Solar	0	0	0	0	0
Glass Cond	0	0	0	0	0	0	0	0	Glass Cond	0	0	0	0	0
Wall Cond	350	119	469	5	350	6	6	19	Wall Cond	-178	-242	19	0	0
Partition	0	0	0	0	0	0	0	0	Partition	0	0	0	0	0
Exposed Floor	0	0	0	0	0	0	0	0	Exposed Floor	0	0	0	0	0
Infiltration	0	0	0	0	0	0	0	0	Infiltration	0	0	0	0	0
Sub Total ==>	350	2,325	2,675	31	350	6	6	74	Sub Total ==>	-178	-970	74		
Internal Loads														
Lights	205	51	256	3	205	3	3	0	Lights	0	0	0	0	0
People	500	0	500	6	250	4	4	0	People	0	0	0	0	0
Misc	5,100	0	5,100	60	5,100	82	82	0	Misc	0	0	0	0	0
Sub Total ==>	5,805	51	5,856	69	5,555	89	89	0	Sub Total ==>	0	0	0		
Ceiling Load														
Ceiling Load	340	-340	0	0	340	5	5	0	Ceiling Load	-116	0	0	0	0
Ventilation Load	0	0	0	0	0	0	0	0	Ventilation Load	0	0	0	0	0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0	Ov/Undr Sizing	0	0	0	0	0
Ov/Undr Sizing	0	0	0	0	0	0	0	0	Exhaust Heat	0	0	0	0	0
Exhaust Heat	0	0	0	0	0	0	0	0	OA Preheat Diff.	0	0	0	0	0
Sup. Fan Heat	0	0	0	0	0	0	0	0	RA Preheat Diff.	0	0	0	0	0
Ret. Fan Heat	0	0	0	0	0	0	0	0	Additional Reheat	0	0	0	0	0
Duct Heat Pkup	0	0	0	0	0	0	0	0	System Plenum Heat	-334	26	26	0	0
Reheat at Design	0	0	0	0	0	0	0	0						
Grand Total ==>	6,494	2,036	8,531	100.00	6,244	100.00	100.00	-294	Grand Total ==>	-294	-1,304	100.00		

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	0	0
Supply	438	438
MinStop/Rh	0	0
Return	438	438
Exhaust	0	0
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	2.55	2.55
cfm/ton	615.47	
ft2/ton	241.39	
Btu/hr-ft2	49.71	-7.60
No. People	1	

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	8.5	8.3	438	81.3	64.5	66.8	61.8	57.7	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	8.5								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	172		
Part	0		
ExFlr	0		
Roof	172	0	0
Wall	87	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	
			MBh	Lvg
		cfm	F	F
Main Htg	-1.3	438	65.9	68.6
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	-1.3			

Zone Checksums

By MATENO

LIVING ROOM 4CC-A

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 12			Mo/Hr: 7 / 12				Mo/Hr: Heating Design					
Outside Air:		OADB/WB/HR: 104 / 89 / 188			OADB: 104				OADB: 46					
Space Sens.	Plenum Sens.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak Tot	Percent Of Total	Space Sens	Coil Peak Tot	Percent Of Total	SADB	Cooling	Heating
+ Lat.	+ Lat.	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Plenum		
Btu/h	Btu/h											Return		
												Ret/OA		
												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	2,465	2,465	30	0	0	0	0	0	-815	41	0	0	0
Glass Solar	2,607	0	2,607	32	2,607	49	2,607	32	2,607	0	0	0	0	0
Glass Cond	1,660	0	1,660	20	1,660	31	1,660	20	1,660	-1,236	63	0	0	0
Wall Cond	0	184	184	2	0	0	0	0	0	-115	6	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sub Total ==>	4,267	2,649	6,916	85	4,267	81	4,267	81	4,267	-1,236	110	-1,236	-2,166	110
Internal Loads														
Lights	205	51	256	3	205	4	205	4	205	0	0	0	0	0
People	1,000	0	1,000	12	500	9	500	9	500	0	0	0	0	0
Misc	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sub Total ==>	1,205	51	1,256	15	705	13	705	13	705	0	0	0	0	0
Ceiling Load														
Ventilation Load	322	-322	0	0	322	6	322	6	322	-108	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	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
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	192	-10	0	0	0
Grand Total ==>	5,794	2,378	8,172	100.00	5,294	100.00	5,294	100.00	5,294	-1,344	-1,974	100.00	-1,974	100.00

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	0	0
Supply	322	322
MinStop/Rh	0	0
Return	322	322
Exhaust	0	0
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	1.71	1.71
cfm/ton	473.34	
ft2/ton	277.54	
Btu/hr-ft2	43.24	-10.44
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	8.2	7.7	322	80.4	64.2	66.8	59.9	55.9	62.2
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	8.2								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	189		
Part	0		
ExFlr	0		
Roof	189	0	0
Wall	154	110	72

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
Main Htg	-2.0	322	66.2	71.8
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	-2.0			

Zone Checksums

By MATENO

LIVING ROOM 4CC-B

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 12			Mo/Hr: 7 / 12				Mo/Hr: Heating Design					
Outside Air:		OADB/WB/HR: 104 / 89 / 188			OADB: 104				OADB: 46					
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													SADB	
Skylite Solar	0	0	0	0	0	0	0	0	Cooling		Heating			
Skylite Cond	0	0	0	0	0	0	0	0	60.6	72.1				
Roof Cond	0	3,261	3,261	30	0	0	0	0	Plenum	81.7	65.7			
Glass Solar	3,073	0	3,073	29	3,073	44	0	0	Return	81.7	65.7			
Glass Cond	1,957	0	1,957	18	1,957	28	-1,457	47	Ret/OA	81.7	65.7			
Wall Cond	702	500	1,203	11	702	10	0	0	Fn MtrTD	0.0	0.0			
Partition	0	0	0	0	0	0	-338	19	Fn BldTD	0.0	0.0			
Exposed Floor	0	0	0	0	0	0	0	0	Fn Frict	0.0	0.0			
Infiltration	0	0	0	0	0	0	0	0						
<i>Sub Total ==></i>	5,732	3,761	9,493	88	5,732	82	-1,794	101						
Internal Loads														
Lights	205	51	256	2	205	3	0	0	AIRFLOWS		Cooling		Heating	
People	1,000	0	1,000	9	500	7	0	0	Vent	0	0			
Misc	0	0	0	0	0	0	0	0	Infil	0	0			
<i>Sub Total ==></i>	1,205	51	1,256	12	705	10	0	0	Supply	446	446			
Ceiling Load														
Ventilation Load	0	0	0	0	0	0	0	0	MinStop/Rh	0	0			
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0	Return	446	446			
Ov/Undr Sizing	0	0	0	0	0	0	0	0	Exhaust	0	0			
Exhaust Heat	0	0	0	0	0	0	0	0	Rm Exh	0	0			
Sup. Fan Heat	0	0	0	0	0	0	0	0	Auxil	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	0	0	0	0	0						
<i>Grand Total ==></i>	7,483	3,266	10,748	100.00	6,983	100.00	-1,979	-3,085						

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	0.9	10.8	446	81.7	64.7	66.8	60.6	56.8	65.1	Floor	256		Main Htg	-3.1	446	65.7	72.1
Aux Clg	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	ExFlr	0		Preheat	0.0	0	0.0	0.0
Total	0.9	10.8								Roof	256	0	Humidif	0.0	0	0.0	0.0
										Wall	347	130	Opt Vent	0.0	0	0.0	0.0
													Total	-3.1			

Zone Checksums

By MATENO

LIVING ROOM 4CC-C

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 12			Mo/Hr: 7 / 12		Mo/Hr: Heating Design				Cooling			Heating
Outside Air:		OADB/WB/HR: 104 / 89 / 188			OADB: 104		OADB: 46				SADB			71.7
Space	Plenum	Net	Percent		Space	Percent	Space Peak	Coil Peak	Percent					
Sens. + Lat.	Sens. + Lat	Total	Of Total		Sensible	Of Total	Space Sens	Tot Sens	Of Total					
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
Skylite Cond	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Roof Cond	0	3,679	3,679	24	0	0	0	-1,214	24	0	0	0	0	0
Glass Solar	6,133	0	6,133	39	6,133	54	0	0	0	0	0	0	0	0
Glass Cond	4,020	0	4,020	26	4,020	35	-2,993	-2,993	60	0	0	0	0	0
Wall Cond	0	511	511	3	0	0	0	-274	5	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Sub Total ==></i>	10,152	4,190	14,342	92	10,152	89	-2,993	-4,481	89					
Internal Loads														
Lights	205	51	256	2	205	2	0	0	0	0	0	0	0	0
People	1,000		1,000	6	500	4	0	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Sub Total ==></i>	1,205	51	1,256	8	705	6	0	0	0	0	0	0	0	0
Ceiling Load														
Ventilation Load	567	-567	0	0	567	5	-193	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	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
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>	11,924	3,674	15,598	100.00	11,424	100.00	-3,186	-5,009	100.00					

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	0	0
Supply	789	789
MinStop/Rh	0	0
Return	789	789
Exhaust	0	0
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	2.76	2.76
cfm/ton	607.35	
ft2/ton	220.18	
Btu/hr-ft2	54.50	-17.50
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	1.3	15.6	15.1	789	81.3	64.5	66.8	61.7	57.6	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	1.3	15.6								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	286		
Part	0		
ExFlr	0		
Roof	286	0	0
Wall	373	267	72

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	
			MBh	Lvg
	MBh	cfm	F	F
Main Htg	-5.0	789	65.9	71.7
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	-5.0			

Zone Checksums

By MATENO

MAIN ROOM 4CC-A

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 8 / 12			Mo/Hr: 8 / 12				Mo/Hr: Heating Design					
Outside Air:		OADB/WB/HR: 101 / 88 / 192			OADB: 101				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
+ Lat.	+ Lat	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Plenum		
Btu/h	Btu/h											Return		
Envelope Loads														
Skylite Solar	0	0	0	0	0	0	0	0	Skylite Solar	0	0	0	80.0	70.6
Skylite Cond	0	0	0	0	0	0	0	0	Skylite Cond	0	0	0	80.0	66.2
Roof Cond	0	2,765	2,765	17	0	0	0	0	Roof Cond	0	-998	23	80.0	66.2
Glass Solar	7,766	0	7,766	48	7,766	60	0	0	Glass Solar	0	0	0	80.0	66.2
Glass Cond	2,936	0	2,936	18	2,936	23	0	0	Glass Cond	-2,445	-2,445	56	0.0	0.0
Wall Cond	0	393	393	2	0	0	0	0	Wall Cond	0	-228	5	0.0	0.0
Partition	0	0	0	0	0	0	0	0	Partition	0	0	0	0.0	0.0
Exposed Floor	0	0	0	0	0	0	0	0	Exposed Floor	0	0	0	0.0	0.0
Infiltration	0	0	0	0	0	0	0	0	Infiltration	0	0	0	0.0	0.0
Sub Total ==>	10,702	3,159	13,861	86	10,702	83			Sub Total ==>	-2,445	-3,671	84		
Internal Loads														
Lights	273	68	341	2	273	2	0	0	Lights	0	0	0		
People	1,000	0	1,000	6	500	4	0	0	People	0	0	0		
Misc	1,000	0	1,000	6	1,000	8	0	0	Misc	0	0	0		
Sub Total ==>	2,273	68	2,341	14	1,773	14			Sub Total ==>	0	0	0		
Ceiling Load														
Ceiling Load	364	-364	0	0	364	3	0	0	Ceiling Load	-132	0	0		
Ventilation Load	0	0	0	0	0	0	0	0	Ventilation Load	0	0	0		
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0	Ov/Undr Sizing	0	0	0		
Ov/Undr Sizing	0	0	0	0	0	0	0	0	Exhaust Heat	0	0	0		
Exhaust Heat	0	0	0	0	0	0	0	0	OA Preheat Diff.	0	0	0		
Sup. Fan Heat	0	0	0	0	0	0	0	0	RA Preheat Diff.	0	0	0		
Ret. Fan Heat	0	0	0	0	0	0	0	0	Additional Reheat	0	0	0		
Duct Heat Pkup	0	0	0	0	0	0	0	0	System Plenum Heat	-674	16	0		
Reheat at Design	0	0	0	0	0	0	0	0						
Grand Total ==>	13,339	2,863	16,202	100.00	12,839	100.00			Grand Total ==>	-2,578	-4,345	100.00		

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	0	0
Supply	904	904
MinStop/Rh	0	0
Return	904	904
Exhaust	0	0
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	3.91	3.91
cfm/ton	669.65	
ft2/ton	171.39	
Btu/hr-ft2	70.02	-18.78
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	1.4	16.2	15.7	904	80.0	64.1	66.8	61.9	57.7	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	1.4	16.2								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	231		
Part	0		
ExFlr	0		
Roof	231	0	0
Wall	305	218	72

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
Main Htg	-4.3	904	66.2	70.6
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	-4.3			

Zone Checksums

By MATENO

MAIN ROOM 4CC-B

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 12			Mo/Hr: 7 / 12		Mo/Hr: Heating Design				Cooling			Heating
Outside Air:		OADB/WB/HR: 104 / 89 / 188			OADB: 104		OADB: 46				SADB	60.3	71.5	
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	2,639	2,639	28	0	0	-871	36	0	0	0	0.0	0.0	0.0
Glass Solar	1,457	0	1,457	15	1,457	24	0	0	0	0	0	0.0	0.0	0.0
Glass Cond	711	0	711	7	711	12	-530	22	0	-530	0	0.0	0.0	0.0
Wall Cond	1,697	684	2,381	25	1,697	28	-765	45	0	-1,086	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
Sub Total ==>	3,865	3,323	7,188	75	3,865	64	-1,295	104	-2,487	-2,487	104			
Internal Loads														
Lights	273	68	341	4	273	4	0	0	0	0	0	0	0	0
People	1,000	0	1,000	10	500	8	0	0	0	0	0	0	0	0
Misc	1,000	0	1,000	10	1,000	16	0	0	0	0	0	0	0	0
Sub Total ==>	2,273	68	2,341	25	1,773	29	0	0	0	0	0			
Ceiling Load														
Ventilation Load	442	-442	0	0	442	7	-150	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	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
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	98	-4	0	0	0	0	0	0
Grand Total ==>	6,580	2,949	9,529	100.00	6,080	100.00	-1,445	-2,389	100.00	-2,389	100.00			

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	0	0
Supply	381	381
MinStop/Rh	0	0
Return	381	381
Exhaust	0	0
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	1.84	1.84
cfm/ton	480.11	
ft2/ton	260.67	
Btu/hr-ft2	46.03	-11.54
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	9.5	9.0	381	81.7	64.7	66.8	60.3	56.5	64.2
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	9.5								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	207		
Part	0		
ExFlr	0		
Roof	207	0	0
Wall	440	47	11

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	
			MBh	Lvg
		cfm	F	F
Main Htg	-2.4	381	65.7	71.5
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	-2.4			

Zone Checksums

By MATENO

MAIN ROOM 4CC-C

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 12			Mo/Hr: 7 / 12				Mo/Hr: Heating Design					
Outside Air:		OADB/WB/HR: 104 / 89 / 188			OADB: 104				OADB: 46					
Space Sens.	Plenum Sens.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak Tot	Percent Of Total						
+ Lat.	+ Lat	Btu/h	(%)	Btu/h	(%)	Space Sens	Btu/h	(%)						
Btu/h	Btu/h					Btu/h	Btu/h							
Envelope Loads														
Skylite Solar	0	0	0	0	0	0	0	0						
Skylite Cond	0	0	0	0	0	0	0	0						
Roof Cond	0	1,725	1,725	17	0	0	-569	19						
Glass Solar	3,347	0	3,347	32	3,347	41	0	0						
Glass Cond	2,194	0	2,194	21	2,194	27	-1,633	55						
Wall Cond	0	279	279	3	0	0	0	5						
Partition	0	0	0	0	0	0	0	0						
Exposed Floor	0	0	0	0	0	0	0	0						
Infiltration	0	0	0	0	0	0	0	0						
<i>Sub Total ==></i>	5,540	2,004	7,544	73	5,540	69	-1,633	80						
Internal Loads														
Lights	273	68	341	3	273	3	0	0						
People	1,000	0	1,000	10	500	6	0	0						
Misc	1,500	0	1,500	14	1,500	19	0	0						
<i>Sub Total ==></i>	2,773	68	2,841	27	2,273	28	0	0						
Ceiling Load														
Ventilation Load	266	-266	0	0	266	3	-91	0						
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0						
Ov/Undr Sizing	0	0	0	0	0	0	0	0						
Exhaust Heat	0	0	0	0	0	0	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	0	0	0	-597	20						
<i>Grand Total ==></i>	8,579	1,806	10,386	100.00	8,079	100.00	-1,724	-2,949	100.00					

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	0	0
Supply	531	531
MinStop/Rh	0	0
Return	531	531
Exhaust	0	0
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	3.95	3.95
cfm/ton	613.16	
ft2/ton	155.06	
Btu/hr-ft2	77.39	-21.98
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	0.9	10.4	9.9	531	81.3	64.5	66.8	61.0	57.4	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	0.9	10.4								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	134		
Part	0		
ExFlr	0		
Roof	134	0	0
Wall	204	146	72

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	
			MBh	Lvg
		cfm	F	F
Main Htg	-3.0	531	65.9	71.0
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	-3.0			

Zone Checksums

By MATENO

MAIN ROOM BATH 4CC-A

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 12			Mo/Hr: 7 / 12				Mo/Hr: Heating Design					
Outside Air:		OADB/WB/HR: 104 / 89 / 188			OADB: 104				OADB: 46					
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						
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		
Skylite Cond	0	0	0	0	0	0	0	0	0	0	0	0		
Roof Cond	0	1,536	1,536	47	0	0	0	0	0	-508	207	0		
Glass Solar	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		
Wall Cond	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		
Exposed Floor	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		
<i>Sub Total ==></i>	0	1,536	1,536	47	0	0	0	0	0	-508	207	0		
Internal Loads														
Lights	205	51	256	8	205	12	0	0	0	0	0	0		
People	500		500	15	250	15	0	0	0	0	0	0		
Misc	1,000	0	1,000	30	1,000	60	0	0	0	0	0	0		
<i>Sub Total ==></i>	1,705	51	1,756	53	1,455	88	0	0	0	0	0	0		
Ceiling Load														
Ventilation Load	201	-201	0	0	201	12	-67	0	0	0	0	0		
Dehumid. Ov Sizing	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		
Exhaust Heat		0	0	0			0	0	0	0	0	0		
Sup. Fan Heat			0	0			0	0	0	0	0	0		
Ret. Fan Heat		0	0	0			0	0	0	0	0	0		
Duct Heat Pkup		0	0	0			0	0	0	0	0	0		
Reheat at Design			0	0			0	0	0	0	0	0		
<i>Grand Total ==></i>	1,905	1,387	3,292	100.00	1,655	100.00	-67	-245	100.00					

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	0	0
Supply	91	91
MinStop/Rh	0	0
Return	91	91
Exhaust	0	0
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	0.77	0.77
cfm/ton	331.52	
ft2/ton	429.36	
Btu/hr-ft2	27.95	-2.08
No. People	1	

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	0.3	3.3	3.0	91	80.4	64.2	66.8	58.2	51.9	49.1
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	0.3	3.3								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	118		
Part	0		
ExFlr	0		
Roof	118	0	0
Wall	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	
			MBh	Lvg
		cfm	F	F
Main Htg	-0.3	91	66.2	68.7
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	-0.3			

Zone Checksums

By MATENO

MAIN ROOM BATH 4CC-C

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 12			Mo/Hr: 7 / 12		Mo/Hr: Heating Design				Cooling			Heating	
Outside Air:		OADB/WB/HR: 104 / 89 / 188			OADB: 104		OADB: 46				SADB	52.1	70.7		
Space	Plenum	Net	Percent	Space	Percent	Space Peak	Coil Peak	Percent	Space Peak	Coil Peak	Percent	Plenum	81.3	65.9	
Sens. + Lat.	Sens. + Lat.	Total	Of Total	Sensible	Of Total	Space Sens	Tot Sens	Of Total	Space Sens	Tot Sens	Of Total	Return	81.3	65.9	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA	81.3	65.9	
Envelope Loads															
Skylite Solar	0	0	0	0	0	0	0	0	Skylite Solar	0	0	0	Fn MtrTD	0.0	0.0
Skylite Cond	0	0	0	0	0	0	0	0	Skylite Cond	0	0	0	Fn BldTD	0.0	0.0
Roof Cond	0	1,587	1,587	68	0	0	0	353	Roof Cond	0	-524	353	Fn Frict	0.0	0.0
Glass Solar	0	0	0	0	0	0	0	0	Glass Solar	0	0	0			
Glass Cond	0	0	0	0	0	0	0	0	Glass Cond	0	0	0			
Wall Cond	0	0	0	0	0	0	0	0	Wall Cond	0	0	0			
Partition	0	0	0	0	0	0	0	0	Partition	0	0	0			
Exposed Floor	0	0	0	0	0	0	0	0	Exposed Floor	0	0	0			
Infiltration	0	0	0	0	0	0	0	0	Infiltration	0	0	0			
<i>Sub Total ==></i>	0	1,587	1,588	68	0	0	0	353	<i>Sub Total ==></i>	0	-524	353			
Internal Loads															
Lights	205	51	256	11	205	29	29	0	Lights	0	0	0	Vent	0	0
People	500		500	21	250	36	36	0	People	0	0	0	Infil	0	0
Misc	0	0	0	0	0	0	0	0	Misc	0	0	0	Supply	28	28
<i>Sub Total ==></i>	705	51	756	32	455	65	65	0	<i>Sub Total ==></i>	0	0	0	MinStop/Rh	0	0
Ceiling Load															
Ventilation Load	0	0	0	0	0	0	0	0	Ventilation Load	0	0	0	Return	28	28
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0	Dehumid. Ov Sizing	0	0	0	Exhaust	0	0
Ov/Undr Sizing	0	0	0	0	0	0	0	0	Ov/Undr Sizing	0	0	0	Rm Exh	0	0
Exhaust Heat	0	0	0	0	0	0	0	0	Exhaust Heat	0	0	0	Auxil	0	0
Sup. Fan Heat	0	0	0	0	0	0	0	0	OA Preheat Diff.	0	0	0			
Ret. Fan Heat	0	0	0	0	0	0	0	0	RA Preheat Diff.	0	0	0			
Duct Heat Pkup	0	0	0	0	0	0	0	0	Additional Reheat	0	0	0			
Reheat at Design	0	0	0	0	0	0	0	0	System Plenum Heat	376	-253				
Grand Total ==>	949	1,394	2,344	100.00	699	100.00	100.00	100.00	Grand Total ==>	-83	-148	100.00			

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	0	0
Supply	28	28
MinStop/Rh	0	0
Return	28	28
Exhaust	0	0
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	0.23	0.23
cfm/ton	144.18	
ft2/ton	632.37	
Btu/hr-ft2	18.98	-1.20
No. People	1	

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	0.2	2.3	2.1	28	81.3	64.5	66.8	52.1	37.2	10.0
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	0.2	2.3								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	124		
Part	0		
ExFlr	0		
Roof	124	0	0
Wall	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	
			MBh	Lvg
		cfm	F	F
Main Htg	-0.2	28	65.9	70.7
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	-0.2			