

Zone Checksums

By MATENO

BEDROOM 1 2CC-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	60.8	71.9	
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	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	2,455	2,455	23	0	0	0	0	0	-809	27	0.0	0.0	0.0	
Glass Solar	2,427	0	2,427	23	2,427	33	0	0	0	0	0	0.0	0.0	0.0	
Glass Cond	1,846	0	1,846	18	1,846	25	0	0	-1,366	-1,366	45	0.0	0.0	0.0	
Wall Cond	1,067	491	1,559	15	1,067	14	0	0	-542	-804	26	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 ==>	5,340	2,946	8,286	79	5,340	72	0	0	-1,909	-2,980	98				
Internal Loads															
Lights	205	51	256	2	205	3	0	0	0	0	0	0	0	0	
People	1,000	0	1,000	9	500	7	0	0	0	0	0	0	0	0	
Misc	1,000	0	1,000	9	1,000	14	0	0	0	0	0	0	0	0	
Sub Total ==>	2,205	51	2,256	21	1,705	23	0	0	0	0	0				
Ceiling Load															
Ventilation Load	340	-340	0	0	340	5	0	0	-118	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	
Grand Total ==>	7,885	2,658	10,542	100.00	7,385	100.00	0	0	-2,026	-3,045	100.00				

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	0	0
Supply	479	479
MinStop/Rh	0	0
Return	479	479
Exhaust	0	0
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	2.53	2.53
cfm/ton	544.72	
ft2/ton	215.29	
Btu/hr-ft2	55.74	-16.10
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	10.5	10.0	479	80.7	64.3	66.8	60.8	57.2	66.1
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	0.9	10.5								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	189		
Part	0		
ExFlr	0		
Roof	189	0	0
Wall	353	63	18

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent F	Lvg F
Main Htg	-3.1	479	66.0	71.9
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

CHILD ROOM 2CC-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	60.1	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	Space Sens	Coil Peak Tot Sens	Percent Of Total	Plenum	80.7	66.0	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	80.7	66.0	
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	2,352	2,352	27	0	0	0	36	Roof Cond	0	-775	36	Fn Frict	0.0	0.0
Glass Solar	1,820	0	1,820	21	1,820	32	0	0	Glass Solar	0	0	0			
Glass Cond	1,385	0	1,385	16	1,385	24	0	48	Glass Cond	-1,025	-1,025	48			
Wall Cond	509	268	777	9	509	9	0	19	Wall Cond	-259	-402	19			
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 ==>	3,714	2,620	6,334	74	3,714	65			Sub Total ==>	-1,284	-2,202	102			
Internal Loads															
Lights	205	51	256	3	205	4	0	0	Lights	0	0	0			
People	1,000	0	1,000	12	500	9	0	0	People	0	0	0			
Misc	1,000	0	1,000	12	1,000	17	0	0	Misc	0	0	0			
Sub Total ==>	2,205	51	2,256	26	1,705	30			Sub Total ==>	0	0	0			
Ceiling Load															
Ventilation Load	325	-325	0	0	325	6	0	0	Ceiling Load	-113	0	0			
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0	Ventilation Load	0	0	0			
Ov/Undr Sizing	0	0	0	0	0	0	0	0	Ov/Undr Sizing	0	0	0			
Exhaust Heat	0	0	0	0	0	0	0	0	Exhaust Heat	0	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	47	-2				
Grand Total ==>	6,244	2,346	8,590	100.00	5,744	100.00			Grand Total ==>	-1,396	-2,154	100.00			

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	0	0
Supply	356	356
MinStop/Rh	0	0
Return	356	356
Exhaust	0	0
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	1.96	1.96
cfm/ton	497.41	
ft2/ton	253.20	
Btu/hr-ft2	47.39	-11.89
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	8.6	8.1	356	80.7	64.3	66.8	60.1	56.4	64.1
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	8.6								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	181		
Part	0		
ExFlr	0		
Roof	181	0	0
Wall	193	47	25

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent F	Lvg F
Main Htg	-2.2	356	66.0	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	-2.2			

Zone Checksums

By MATENO

CHILD ROOM PH-A

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 12			Mo/Hr: 8 / 12		Mo/Hr: Heating Design				Cooling			Heating	
Outside Air:		OADB/WB/HR: 104 / 89 / 188			OADB: 101		OADB: 46				SADB			71.2	
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			66.1
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return			66.1
Envelope Loads															
Skylite Solar	0	0	0	0	0	0	0	0	0	0	0	Fn MtrTD			0.0
Skylite Cond	0	0	0	0	0	0	0	0	0	0	0	Fn BldTD			0.0
Roof Cond	0	2,446	2,446	28	0	0	-803	42	0	0	0	Fn Frict			0.0
Glass Solar	1,457	0	1,457	17	1,607	29	0	0	0	0	0				
Glass Cond	711	0	711	8	636	11	-530	28	0	0	0				
Wall Cond	1,279	565	1,844	21	1,317	24	-560	43	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				
Sub Total ==>	3,447	3,011	6,458	74	3,560	64	-1,090	113	-2,146	113	113				
Internal Loads															
Lights	205	51	256	3	205	4	0	0	0	0	0				
People	1,000	0	1,000	11	500	9	0	0	0	0	0				
Misc	1,000	0	1,000	11	1,000	18	0	0	0	0	0				
Sub Total ==>	2,205	51	2,256	26	1,705	31	0	0	0	0	0				
Ceiling Load															
Ventilation Load	309	-309	0	0	286	5	-112	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	244	-13	0	0	0				
Grand Total ==>	5,961	2,753	8,714	100.00	5,550	100.00	-1,202	-1,903	100.00	100.00	100.00				

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	0	0
Supply	342	342
MinStop/Rh	0	0
Return	342	342
Exhaust	0	0
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	1.83	1.83
cfm/ton	470.95	
ft2/ton	257.59	
Btu/hr-ft2	46.59	-10.17
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	8.7	8.2	342	80.2	64.2	66.8	60.0	55.8	61.5
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	0.7	8.7								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	187		
Part	0		
ExFlr	0		
Roof	187	0	0
Wall	340	47	14

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	
			MBh	Lvg
	MBh	cfm	F	F
Main Htg	-1.9	342	66.1	71.2
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	-1.9			

Zone Checksums

By MATENO

CHILDS BATH PG-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
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	60.6	74.2
Skylite Cond	0	0	0	0	0	0	0	0	0	0	0	0	79.8	66.1
Roof Cond	0	891	891	16	0	0	0	0	0	-320	17	0	79.8	66.1
Glass Solar	0	0	0	0	0	0	0	0	0	0	0	0	79.8	66.1
Glass Cond	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0
Wall Cond	2,824	1,001	3,825	70	2,824	83	0	0	-1,408	-1,920	101	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>	2,825	1,892	4,716	86	2,825	83	0	0	-1,408	-2,240	118	0	0.0	0.0
Internal Loads														
Lights	205	51	256	5	205	6	0	0	0	0	0	0	0	0
People	500	0	500	9	250	7	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>	705	51	756	14	455	13	0	0	0	0	0	0	0	0
Ceiling Load														
Ventilation Load	114	-114	0	0	114	3	0	0	-45	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
Grand Total ==>	3,643	1,829	5,472	100.00	3,393	100.00	0	0	-1,453	-1,897	100.00	0	0	0

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	0	0
Supply	217	217
MinStop/Rh	0	0
Return	217	217
Exhaust	0	0
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	2.92	2.92
cfm/ton	475.85	
ft2/ton	163.15	
Btu/hr-ft2	73.55	-25.50
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	0.5	5.5	5.2	217	79.8	64.1	66.8	60.6	55.7	60.4
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	5.5								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	74		
Part	0		
ExFlr	0		
Roof	74	0	0
Wall	688	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	
			MBh	Lvg
	MBh	cfm	F	F
Main Htg	-1.9	217	66.1	74.2
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	-1.9			

Zone Checksums

By MATENO

CORRIDOR 2CC-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	55.0	73.2
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	80.7	66.0	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	80.7	66.0	
Envelope Loads															
Skylite Solar	0	0	0	0	0	0	0	0	0	0	0	Ret/OA	80.7	66.0	
Skylite Cond	0	0	0	0	0	0	0	0	0	0	0	Fn MtrTD	0.0	0.0	
Roof Cond	0	1,463	1,463	81	0	0	0	0	0	-482	287	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	64	20	84	5	64	14	42	42	-51	-70	42				
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>	64	1,483	1,547	86	64	14	329	329	-51	-552	329				
Internal Loads															
Lights	205	51	256	14	205	43	0	0	0	0	0				
People	0	0	0	0	0	0	0	0	0	0	0				
Misc	0	0	0	0	0	0	0	0	0	0	0				
<i>Sub Total ==></i>	205	51	256	14	205	43	0	0	0	0	0				
Ceiling Load															
Ventilation Load	0	0	0	0	0	0	-70	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	0	0	0	0	0				
<i>Grand Total ==></i>	471	1,332	1,803	100.00	471	100.00	-122	-168	100.00	-122	-168				

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	0	0
Supply	22	22
MinStop/Rh	0	0
Return	22	22
Exhaust	0	0
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	0.19	0.19
cfm/ton	144.61	
ft2/ton	750.10	
Btu/hr-ft2	16.00	-1.49
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	0.2	1.8	1.8	22	80.7	61.4	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	0.2	1.8								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	113		
Part	0		
ExFlr	0		
Roof	113	0	0
Wall	77	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	
			MBh	Lvg
	MBh	cfm	F	F
Main Htg	-0.2	22	66.0	73.2
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	-0.2			

Zone Checksums

By MATENO

CORRIDOR PH-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			73.3	
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	Plenum	Return	Ret/OA
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	80.2	80.2	80.2
Envelope Loads														
Skylite Solar	0	0	0	0	0	0	0	0	0	0	0	80.2	80.2	80.2
Skylite Cond	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0
Roof Cond	0	3,154	3,154	86	0	0	0	0	0	-1,036	530	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	3,154	3,154	86	0	0	0	0	0	-1,036	530	0.0	0.0	0.0
Internal Loads														
Lights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
People	500	0	500	14	250	39	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>	500	0	500	14	250	39	0	0	0	0	0	0	0	0
Ceiling Load														
Ventilation Load	399	-399	0	0	399	61	0	0	-144	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>	899	2,755	3,654	100.00	649	100.00	0	0	-144	-196	100.00			

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	0	0
Supply	25	25
MinStop/Rh	0	0
Return	25	25
Exhaust	0	0
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	0.10	0.10
cfm/ton	82.06	
ft2/ton	792.18	
Btu/hr-ft2	15.15	-0.81
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	3.7	3.4	25	80.2	64.2	66.8	51.1	36.6	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	0.3	3.7								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	241		
Part	0		
ExFlr	0		
Roof	241	0	0
Wall	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent Lvg	
			F	F
Main Htg	-0.2	25	66.1	73.3
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	-0.2			

Zone Checksums

By MATENO

GENERAL BATH 2CC-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	44.4	69.3	
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	80.7	66.0
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	80.7	66.0
Envelope Loads														
Skylite Solar	0	0	0	0	0	0	0	0	0	0	0	Ret/OA	80.7	66.0
Skylite Cond	0	0	0	0	0	0	0	0	0	0	0	Fn MtrTD	0.0	0.0
Roof Cond	0	472	472	38	0	0	0	0	0	-156	278	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	472	472	38	0	0	0	0	0	-156	278			
Internal Loads														
Lights	205	51	256	21	205	39	0	0	0	0	0			
People	500		500	41	250	48	0	0	0	0	0			
Misc	0	0	0	0	0	0	0	0	0	0	0			
<i>Sub Total ==></i>	705	51	756	62	455	87	0	0	0	0	0			
Ceiling Load														
Ventilation Load	65	-65	0	0	65	13	-23	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			
Exhaust Heat		0	0	0			0	0	0	0	0			
Sup. Fan Heat			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			100	-178						
Grand Total ==>	770	458	1,228	100.00	520	100.00	-23	-56	100.00					

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	0	0
Supply	16	16
MinStop/Rh	0	0
Return	16	16
Exhaust	0	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	152.91	
ft2/ton	355.56	
Btu/hr-ft2	33.75	-1.54
No. People	1	

COOLING COIL SELECTION										
	Total Capacity		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			F	F	gr/lb	F	F	gr/lb
Main Clg	0.1	1.2	1.0	16	80.7	64.3	66.8	44.4	32.8	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	36		
Part	0		
ExFlr	0		
Roof	36	0	0
Wall	0	0	0

HEATING COIL SELECTION				
	Capacity MBh	Coil Airflow cfm	Ent Lvg	
			F	F
Main Htg	-0.1	16	66.0	69.3
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	-0.1			

Zone Checksums

By MATENO

GENERAL BATH PH-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	58.2	68.7	
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	80.2	66.1
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	80.2	66.1
Envelope Loads														
Skylite Solar	0	0	0	0	0	0	0	0	0	0	0	Ret/OA	80.2	66.1
Skylite Cond	0	0	0	0	0	0	0	0	0	0	0	Fn MtrTD	0.0	0.0
Roof Cond	0	1,402	1,402	44	0	0	0	0	0	-460	186	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	1,402	1,402	44	0	0	0	0	0	-461	186			
Internal Loads														
Lights	205	51	256	8	205	13	0	0	0	0	0			
People	500		500	16	250	15	0	0	0	0	0			
Misc	1,000	0	1,000	32	1,000	61	0	0	0	0	0			
<i>Sub Total ==></i>	1,705	51	1,756	56	1,455	89	0	0	0	0	0			
Ceiling Load														
Ventilation Load	177	-177	0	0	177	11	-64	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			
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			213	-86						
Grand Total ==>	1,882	1,276	3,158	100.00	1,632	100.00	-64	-247	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	0.83	0.83
cfm/ton	339.57	
ft2/ton	407.43	
Btu/hr-ft2	29.45	-2.31
No. People	1	

COOLING COIL SELECTION										
	Total Capacity		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			F	F	gr/lb	F	F	gr/lb
Main Clg	0.3	3.2	2.9	89	80.2	64.2	66.8	58.2	52.2	50.2
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	0.3	3.2								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	107		
Part	0		
ExFlr	0		
Roof	107	0	0
Wall	0	0	0

HEATING COIL SELECTION				
	Capacity MBh	Coil Airflow cfm	Ent Lvg	
			F	F
Main Htg	-0.3	89	66.1	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

KITCHEN 2CC-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	61.9	68.8		
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	80.7	66.0	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	80.7	66.0	
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	2,581	2,581	28	0	0	0	0	Roof Cond	0	-851	63	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	518	179	697	8	518	8	518	8	Wall Cond	-263	-359	27			
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 ==>	518	2,761	3,279	36	518	8	518	8	Sub Total ==>	-263	-1,210	90			
Internal Loads															
Lights	205	51	256	3	205	3	205	3	Lights	0	0	0	Supply	453	453
People	500	0	500	5	250	4	250	4	People	0	0	0	MinStop/Rh	0	0
Misc	5,100	0	5,100	56	5,100	79	5,100	79	Misc	0	0	0	Return	453	453
Sub Total ==>	5,805	51	5,856	64	5,555	86	5,555	86	Sub Total ==>	0	0	0	Exhaust	0	0
Ceiling Load															
Ceiling Load	357	-357	0	0	357	6	357	6	Ceiling Load	-124	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	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	-142	10	10			
Reheat at Design	0	0	0	0	0	0	0	0							
Grand Total ==>	6,680	2,455	9,135	100.00	6,430	100.00	6,430	100.00	Grand Total ==>	-387	-1,351	100.00			

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	0	0
Supply	453	453
MinStop/Rh	0	0
Return	453	453
Exhaust	0	0
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	2.28	2.28
cfm/ton	594.96	
ft2/ton	261.29	
Btu/hr-ft2	45.93	-6.79
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	0.8	9.1	8.9	453	80.7	64.3	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	0.8	9.1								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	199		
Part	0		
ExFlr	0		
Roof	199	0	0
Wall	129	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	
			MBh	Lvg
		cfm	F	F
Main Htg	-1.4	453	66.0	68.8
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	-1.4			

Zone Checksums

By MATENO

KITCHEN PH-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	75.6	
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	0	0
Skylite Cond	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Roof Cond	0	2,720	2,720	15	0	0	-893	14	0	0	0	0	0	0
Glass Solar	3,922	0	3,922	22	3,922	30	0	0	0	0	0	0	0	0
Glass Cond	3,000	0	3,000	17	3,000	23	-2,220	35	0	0	0	0	0	0
Wall Cond	4,542	1,727	6,269	35	4,542	34	-2,660	60	0	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>	11,465	4,446	15,911	90	11,465	86	-4,880	109	0	0	0	0	0	0
Internal Loads					Internal Loads			Internal Loads				ENGINEERING CKS		
Lights	205	51	256	1	205	2	0	0	0	0	0	0	0	0
People	500	0	500	3	250	2	0	0	0	0	0	0	0	0
Misc	1,000	0	1,000	6	1,000	8	0	0	0	0	0	0	0	0
<i>Sub Total ==></i>	1,705	51	1,756	10	1,455	11	0	0	0	0	0	0	0	0
Ceiling Load	344	-344	0	0	344	3	-124	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	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	590	-9	0	0	0	0	0	0
Grand Total ==>	13,513	4,154	17,667	100.00	13,263	100.00	-5,005	100.00	-6,257	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	1.5	17.7	17.4	612	80.2	61.1	52.2	55.0	50.7	49.8	Floor	208	0	66.1	75.6		
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		
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		
Total	1.5	17.7									Roof	208	0	0.0	0.0		
											Wall	1,443	102	0.0	0.0		
											Humidif	0.0	0	0.0	0.0		
											Opt Vent	0.0	0	0.0	0.0		
											Total	-6.3					

Zone Checksums

By MATENO

LIVING ROOM 2CC-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 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	4,656	4,656	25	0	0	0	0	0	-1,535	29	0	0	0
Glass Solar	6,874	0	6,874	36	6,874	52	0	0	0	0	0	0	0	0
Glass Cond	4,506	0	4,506	24	4,506	34	0	0	-3,355	-3,355	62	0	0	0
Wall Cond	0	582	582	3	0	0	0	0	0	-310	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 ==>	11,380	5,238	16,618	88	11,380	86			-3,355	-5,199	97			
Internal Loads														
Lights	205	51	256	1	205	2	0	0	0	0	0	0	0	0
People	2,000	0	2,000	11	1,000	8	0	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sub Total ==>	2,205	51	2,256	12	1,205	9			0	0	0			
Ceiling Load														
Ventilation Load	644	-644	0	0	644	5	0	0	-223	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
Grand Total ==>	14,229	4,645	18,874	100.00	13,229	100.00			-3,578	-5,368	100.00			

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	0	0
Supply	841	841
MinStop/Rh	0	0
Return	841	841
Exhaust	0	0
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	2.34	2.34
cfm/ton	534.64	
ft2/ton	228.09	
Btu/hr-ft2	52.61	-14.96
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	1.6	18.9	17.9	841	80.7	64.3	66.8	60.5	57.0	65.9
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	1.6	18.9								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	359		
Part	0		
ExFlr	0		
Roof	359	0	0
Wall	418	299	72

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	
			MBh	Lvg
		cfm	F	F
Main Htg	-5.4	841	66.0	71.9
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	-5.4			

Zone Checksums

By MATENO

LIVING ROOM PH-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	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	Ret/OA	80.2	66.1
Skylite Cond	0	0	0	0	0	0	0	0	Skylite Cond	0	0	0	Fn MtrTD	0.0	0.0
Roof Cond	0	6,067	6,067	27	0	0	0	0	Roof Cond	0	-1,993	30	Fn BldTD	0.0	0.0
Glass Solar	8,141	0	8,141	36	8,141	51	0	0	Glass Solar	0	0	0	Fn Frict	0.0	0.0
Glass Cond	5,336	0	5,336	24	5,336	33	0	0	Glass Cond	-3,973	-3,973	60			
Wall Cond	0	697	697	3	0	0	0	0	Wall Cond	0	-368	6			
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 ==>	13,477	6,764	20,240	90	13,477	84	0	0	Sub Total ==>	-3,973	-6,334	96			
Internal Loads															
Lights	273	68	341	2	273	2	0	0	Lights	0	0	0			
People	1,000	0	1,000	4	500	3	0	0	People	0	0	0			
Misc	1,000	0	1,000	4	1,000	6	0	0	Misc	0	0	0			
Sub Total ==>	2,273	68	2,341	10	1,773	11	0	0	Sub Total ==>	0	0	0			
Ceiling Load															
Ceiling Load	767	-767	0	0	767	5	0	0	Ceiling Load	-278	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	-288	4				
Reheat at Design	0	0	0	0	0	0	0	0							
Grand Total ==>	16,517	6,065	22,582	100.00	16,017	100.00	0	0	Grand Total ==>	-4,250	-6,622	100.00			

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	0	0
Supply	1,158	1,158
MinStop/Rh	0	0
Return	1,158	1,158
Exhaust	0	0
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	2.50	2.50
cfm/ton	615.28	
ft2/ton	246.57	
Btu/hr-ft2	48.67	-14.27
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	1.9	22.6	22.1	1,158	80.2	64.2	66.8	62.2	57.9	66.7
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	1.9	22.6								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	464		
Part	0		
ExFlr	0		
Roof	464	0	0
Wall	495	354	72

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	
			MBh	Lvg
		cfm	F	F
Main Htg	-6.6	1,158	66.1	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	-6.6			

Zone Checksums

By MATENO

MAIN BATH 2CC-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	42.1	70.3	
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	Return <td>80.7</td> <td>66.0</td>	80.7	66.0			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA <td>80.7</td> <td>66.0</td>	80.7	66.0			
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	1,386	1,386	51	0	0	0	368	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	0	0	0	0	0	0	0	0						
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>	0	1,386	1,386	51	0	0	0	-457						
Internal Loads														
Lights	273	68	341	13	273	28	0	0						
People	1,000	0	1,000	37	500	52	0	0						
Misc	0	0	0	0	0	0	0	0						
<i>Sub Total ==></i>	1,273	68	1,341	49	773	80	0	0						
Ceiling Load														
Ventilation Load	192	-192	0	0	192	20	-66	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	0	0						
Grand Total ==>	1,465	1,263	2,727	100.00	965	100.00	-66	-124	100.00					

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	0	0
Supply	27	27
MinStop/Rh	0	0
Return	27	27
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	119.07	
ft2/ton	469.88	
Btu/hr-ft2	25.54	-1.16
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	0.2	2.7	2.2	27	80.7	64.3	66.8	42.1	30.8	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	2.7								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	107		
Part	0		
ExFlr	0		
Roof	107	0	0
Wall	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	
			MBh	Lvg
		cfm	F	F
Main Htg	-0.1	27	66.0	70.3
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	-0.1			

Zone Checksums

By MATENO

MAIN BEDROOM 2CC-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	61.6	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	0.0	0.0	0.0
Roof Cond	0	2,677	2,677	18	0	0	-882	19	0	0	0	0.0	0.0	0.0
Glass Solar	4,926	0	4,926	33	4,926	44	0	0	0	0	0	0.0	0.0	0.0
Glass Cond	3,237	0	3,237	22	3,237	29	-2,410	52	-2,410	-2,410	52	0.0	0.0	0.0
Wall Cond	904	692	1,596	11	904	8	-495	19	-495	-897	19	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 ==>	9,067	3,369	12,436	84	9,067	81	-2,905	90	-2,905	-4,190	90			
Internal Loads														
Lights	273	68	341	2	273	2	0	0	0	0	0	0	0	0
People	1,000	0	1,000	7	500	4	0	0	0	0	0	0	0	0
Misc	1,000	0	1,000	7	1,000	9	0	0	0	0	0	0	0	0
Sub Total ==>	2,273	68	2,341	16	1,773	16	0	0	0	0	0			
Ceiling Load														
Ventilation Load	370	-370	0	0	370	3	-128	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
Grand Total ==>	11,711	3,067	14,778	100.00	11,211	100.00	-3,034	100.00	-3,034	-4,678	100.00			

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	0	0
Supply	773	773
MinStop/Rh	0	0
Return	773	773
Exhaust	0	0
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	3.75	3.75
cfm/ton	627.38	
ft2/ton	167.48	
Btu/hr-ft2	71.65	-22.68
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	1.2	14.8	14.3	773	80.7	64.3	66.8	61.6	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	1.2	14.8								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	206		
Part	0		
ExFlr	0		
Roof	206	0	0
Wall	542	215	40

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
Main Htg	-4.7	773	66.0	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	-4.7			

Zone Checksums

By MATENO

MAIN ROOM 2 BATH-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				Cooling			Heating
Outside Air:		OADB/WB/HR: 101 / 88 / 192			OADB: 101		OADB: 46				SADB			70.6
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	(%)	79.8	79.8	79.8
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	1,377	1,377	15	0	0	0	21	0	-494	21	0	0	0
Glass Solar	3,026	0	3,026	34	3,026	44	0	0	0	0	0	0	0	0
Glass Cond	1,198	0	1,198	13	1,198	17	0	0	0	-998	42	0	0	0
Wall Cond	914	643	1,557	17	914	13	0	0	0	-284	20	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>	5,138	2,020	7,158	80	5,138	75	<i>Sub Total ==></i>	82	-1,281	-1,970	82	0.0	0.0	0.0
Internal Loads														
Lights	205	51	256	3	205	3	Lights	0	0	0	0	0	0	0
People	500	0	500	6	250	4	People	0	0	0	0	0	0	0
Misc	1,000	0	1,000	11	1,000	15	Misc	0	0	0	0	0	0	0
<i>Sub Total ==></i>	1,705	51	1,756	20	1,455	21	<i>Sub Total ==></i>	0	0	0	0	488	488	488
Ceiling Load														
Ceiling Load	289	-289	0	0	289	4	Ceiling Load	-113	0	0	0	0	0	0
Ventilation Load	0	0	0	0	0	0	Ventilation Load	0	0	0	0	0	0	0
Dehumid. Ov Sizing	0	0	0	0	0	0	Ov/Undr Sizing	0	0	0	0	0	0	0
Ov/Undr Sizing	0	0	0	0	0	0	Exhaust Heat	0	0	0	0	0	0	0
Exhaust Heat	0	0	0	0	0	0	OA Preheat Diff.	0	0	0	0	0	0	0
Sup. Fan Heat	0	0	0	0	0	0	RA Preheat Diff.	0	0	0	0	0	0	0
Ret. Fan Heat	0	0	0	0	0	0	Additional Reheat	0	0	0	0	0	0	0
Duct Heat Pkup	0	0	0	0	0	0	System Plenum Heat	-424	18	18	18	0	0	0
Reheat at Design	0	0	0	0	0	0								
Grand Total ==>	7,131	1,782	8,914	100.00	6,881	100.00	Grand Total ==>	-1,394	-2,394	100.00				

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	0	0
Supply	488	488
MinStop/Rh	0	0
Return	488	488
Exhaust	0	0
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	2.59	2.59
cfm/ton	657.41	
ft2/ton	254.18	
Btu/hr-ft2	47.21	-12.68
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	8.9	8.7	488	79.8	64.1	66.8	62.0	57.8	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	8.9								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	189		
Part	0		
ExFlr	0		
Roof	189	0	0
Wall	263	89	34

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	
			MBh	Lvg
	MBh	cfm	F	F
Main Htg	-2.4	488	66.1	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	-2.4			

Zone Checksums

By MATENO

MAIN ROOM 2 PH-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	61.9	71.2	
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	3,870	3,870	22	0	0	-1,271	25	0	0	0	0.0	0.0	0.0
Glass Solar	6,241	0	6,241	36	6,241	48	0	0	0	0	0	0.0	0.0	0.0
Glass Cond	4,091	0	4,091	23	4,091	31	-3,046	60	0	-3,046	90	0.0	0.0	0.0
Wall Cond	0	534	534	3	0	0	0	6	0	-282	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 ==>	10,332	4,405	14,737	84	10,332	79	-3,046	90	-3,046	-4,599	90			
Internal Loads														
Lights	273	68	341	2	273	2	0	0	0	0	0	0	0	0
People	1,000	0	1,000	6	500	4	0	0	0	0	0	0	0	0
Misc	1,500	0	1,500	9	1,500	11	0	0	0	0	0	0	0	0
Sub Total ==>	2,773	68	2,841	16	2,273	17	0	0	0	0	0			
Ceiling Load														
Ventilation Load	489	-489	0	0	489	4	-177	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	0	0	0	0	0			
Grand Total ==>	13,594	3,983	17,578	100.00	13,094	100.00	-3,223	-5,113	100.00	-3,223	-5,113			

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	0	0
Supply	923	923
MinStop/Rh	0	0
Return	923	923
Exhaust	0	0
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	3.12	3.12
cfm/ton	630.10	
ft2/ton	202.07	
Btu/hr-ft2	59.38	-17.27
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	1.5	17.6	17.1	923	80.2	64.2	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	1.5	17.6								

AREAS		
	Gross Total	Glass
		ft2 (%)
Floor	296	
Part	0	
ExFlr	0	
Roof	296	0 0
Wall	380	272 72

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent Lvg	
			MBh	cfm
Main Htg	-5.1	923	66.1	71.2
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	-5.1			

Zone Checksums

By MATENO

MAIN ROOM BATH PH-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	60.2	71.7		
Space	Plenum	Net	Percent	Space	Percent	Space Peak	Coil Peak	Percent	Space Peak	Coil Peak	Percent	Plenum	80.2	66.1	
Sens. + Lat.	Sens. + Lat.	Total	Of Total	Sensible	Of Total	Space Sens	Tot Sens	Of Total	Space Sens	Tot Sens	Of Total	Return	80.2	66.1	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA	80.2	66.1	
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	2,950	2,950	31	0	0	0	44	Roof Cond	0	-969	44	Fn Frict	0.0	0.0
Glass Solar	1,763	0	1,763	19	1,763	30	0	0	Glass Solar	0	0	0			
Glass Cond	1,162	0	1,162	12	1,162	20	-865	39	Glass Cond	-865	-865	39			
Wall Cond	849	430	1,279	14	849	15	-473	33	Wall Cond	-473	-725	33			
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 ==>	3,774	3,380	7,154	76	3,774	64	-1,338	115	Sub Total ==>	-1,338	-2,559	115			
Internal Loads															
Lights	205	51	256	3	205	3	0	0	Lights	0	0	0			
People	1,000	0	1,000	11	500	9	0	0	People	0	0	0			
Misc	1,000	0	1,000	11	1,000	17	0	0	Misc	0	0	0			
Sub Total ==>	2,205	51	2,256	24	1,705	29	0	0	Sub Total ==>	0	0	0			
Ceiling Load															
Ceiling Load	373	-373	0	0	373	6	-135	0	Ceiling Load	-135	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	342	-15	-15			
Reheat at Design	0	0	0	0	0	0	0	0							
Grand Total ==>	6,352	3,058	9,410	100.00	5,852	100.00	-1,473	-2,217	Grand Total ==>	-1,473	-2,217	100.00			

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	0	0
Supply	363	363
MinStop/Rh	0	0
Return	363	363
Exhaust	0	0
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	1.61	1.61
cfm/ton	463.28	
ft2/ton	287.70	
Btu/hr-ft2	41.71	-9.83
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	9.4	8.9	363	80.2	64.2	66.8	60.2	55.6	60.7
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	0.8	9.4								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	226		
Part	0		
ExFlr	0		
Roof	226	0	0
Wall	339	77	23

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	
			MBh	Coil Airflow
		cfm	F	F
Main Htg	-2.2	363	66.1	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	-2.2			

Zone Checksums

By MATENO

MAIN ROOM PH-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			71.1	
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 (%)							
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h								
Envelope Loads													Ret/OA		66.1
Skylite Solar	0	0	0	0	0	0	0	0	Fn MtrTD				0.0		
Skylite Cond	0	0	0	0	0	0	0	0	Fn BldTD				0.0		
Roof Cond	0	0	0	0	0	0	0	0	Fn Frict				0.0		
Glass Solar	3,743	0	3,743	40	3,743	41	0	0							
Glass Cond	2,466	0	2,466	26	2,466	27	-1,836	-1,836					55		
Wall Cond	0	274	274	3	0	0	0	-170					5		
Partition	0	0	0	0	0	0	0	0					0		
Exposed Floor	0	0	0	0	0	0	0	0					0		
Infiltration	0	0	0	0	0	0	0	0					0		
Sub Total ==>	6,209	274	6,483	70	6,209	68	-1,836	-2,007					60		
Internal Loads													Return		66.1
Lights	273	68	341	4	273	3	0	0					0		
People	1,000	0	1,000	11	500	5	0	0					0		
Misc	1,500	0	1,500	16	1,500	16	0	0					0		
Sub Total ==>	2,773	68	2,841	30	2,273	25	0	0					0		
Ceiling Load													Supply		616
Ventilation Load	701	-701	0	0	701	8	-254	0					0		
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0					0		
Ov/Undr Sizing	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					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					0		
Grand Total ==>	9,683	-359	9,324	100.00	9,183	100.00	-2,090	-3,352					100.00		

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	0	0
Supply	616	616
MinStop/Rh	0	0
Return	616	616
Exhaust	0	0
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	1.45	1.45
cfm/ton	793.18	
ft2/ton	546.09	
Btu/hr-ft2	21.97	-7.90
No. People	2	

COOLING COIL SELECTION										
	Total Capacity		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			F	F	gr/lb	F	F	gr/lb
Main Clg	0.8	9.3	8.8	616	80.2	64.2	66.8	61.3	57.5	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	0.8	9.3								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	424		
Part	0		
ExFlr	0		
Roof	0	0	0
Wall	229	164	72

HEATING COIL SELECTION				
	Capacity MBh	Coil Airflow cfm	Ent Lvg	
			F	F
Main Htg	-3.4	616	66.1	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	-3.4			