

Zone Checksums

By MATENO

Facial 1/8

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 14			Mo/Hr: 8 / 14			Mo/Hr: Heating Design				Cooling			Heating
Outside Air:		OADB/WB/HR: 109 / 90 / 188			OADB: 106			OADB: 46				SADB	68.0	69.0	
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	1,970	1,970	44	0	0	0	0	0	-467	56	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	1,970	1,970	44	0	0	0	0	0	-467	56	0.0	0.0	0.0	
Internal Loads															
Lights	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
People	1,000	0	1,000	22	500	24	0	0	0	0	0	0	0	0	
Misc	1,500	0	1,500	34	1,500	71	0	0	0	0	0	0	0	0	
<i>Sub Total ==></i>	2,500	0	2,500	56	2,000	94	0	0	0	0	0	0	0	0	
Ceiling Load															
Ventilation Load	120	-120	0	0	121	6	-88	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 ==>	2,620	1,851	4,470	100.00	2,121	100.00	-88	-839	100.00	-88	-839	100.00	100.00	100.00	

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	0	0
Supply	279	84
MinStop/Rh	84	84
Return	279	84
Exhaust	0	0
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	2.49	0.75
cfm/ton	750.07	
ft2/ton	300.65	
Btu/hr-ft2	39.91	-7.49
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	0.4	4.5	4.0	279	78.4	67.8	88.0	68.0	63.1	81.2
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	0.4	4.5								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	112		
Part	0		
ExFlr	0		
Roof	112	0	0
Wall	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	
			MBh	Lvg
		cfm	F	F
Main Htg	-0.1	84	68.0	69.0
Aux Htg	0.0	0	0.0	0.0
Preheat	-0.8	279	65.5	68.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-0.8			

Zone Checksums

By MATENO

Facial 2/8

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 14			Mo/Hr: 8 / 14		Mo/Hr: Heating Design				Cooling			Heating
Outside Air:		OADB/WB/HR: 109 / 90 / 188			OADB: 106		OADB: 46				SADB	68.0	69.0	
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	1,970	1,970	44	0	0	0	56	0	-467	56	78.4	65.5	65.5
Glass Solar	0	0	0	0	0	0	0	0	0	0	0	78.4	65.5	65.5
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	1,970	1,970	44	0	0	0	56	0	-467	56	0.0	0.0	0.0
Internal Loads														
Lights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
People	1,000	0	1,000	22	500	24	0	0	0	0	0	0	0	0
Misc	1,500	0	1,500	34	1,500	71	0	0	0	0	0	0	0	0
<i>Sub Total ==></i>	2,500	0	2,500	56	2,000	94	0	0	0	0	0	0	0	0
Ceiling Load														
Ventilation Load	120	-120	0	0	121	6	-88	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 ==>	2,620	1,851	4,470	100.00	2,121	100.00	-88	-839	100.00	-88	-839	100.00	100.00	100.00

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	0	0
Supply	279	84
MinStop/Rh	84	84
Return	279	84
Exhaust	0	0
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	2.49	0.75
cfm/ton	750.07	
ft2/ton	300.65	
Btu/hr-ft2	39.91	-7.49
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	0.4	4.5	4.0	279	78.4	67.8	88.0	68.0	63.1	81.2
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	0.4	4.5								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	112		
Part	0		
ExFlr	0		
Roof	112	0	0
Wall	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	
			MBh	Lvg
		cfm	F	F
Main Htg	-0.1	84	68.0	69.0
Aux Htg	0.0	0	0.0	0.0
Preheat	-0.8	279	65.5	68.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-0.8			

Zone Checksums

By MATENO

Facial 3/8

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 14			Mo/Hr: 8 / 14			Mo/Hr: Heating Design				Cooling			Heating
Outside Air:		OADB/WB/HR: 109 / 90 / 188			OADB: 106			OADB: 46				SADB	68.0	69.0	
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	
Skylite Cond	0	0	0	0	0	0		0	0	0		0	0	0	
Roof Cond	0	1,970	1,970	44	0	0		0	-467	56		0	0	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	1,970	1,970	44	0	0		0	-467	56		0	0	0	
Internal Loads															
Lights	0	0	0	0	0	0		0	0	0		0	0	0	
People	1,000	0	1,000	22	500	24		0	0	0		0	0	0	
Misc	1,500	0	1,500	34	1,500	71		0	0	0		0	0	0	
<i>Sub Total ==></i>	2,500	0	2,500	56	2,000	94		0	0	0		0	0	0	
Ceiling Load															
Ventilation Load	120	-120	0	0	121	6		-88	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		0	0	0	
Sup. Fan Heat	0	0	0	0	0	0		0	0	0		0	0	0	
Ret. Fan Heat	0	0	0	0	0	0		-526	63			0	0	0	
Duct Heat Pkup	0	0	0	0	0	0		0	0	0		0	0	0	
Reheat at Design	0	0	0	0	0	0		154	-18			0	0	0	
Grand Total ==>	2,620	1,851	4,470	100.00	2,121	100.00		-88	-839	100.00					

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	0	0
Supply	279	84
MinStop/Rh	84	84
Return	279	84
Exhaust	0	0
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	2.49	0.75
cfm/ton	750.07	
ft2/ton	300.65	
Btu/hr-ft2	39.91	-7.49
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	0.4	4.5	4.0	279	78.4	67.8	88.0	68.0	63.1	81.2
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	0.4	4.5								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	112		
Part	0		
ExFlr	0		
Roof	112	0	0
Wall	0	0	0

HEATING COIL SELECTION					
	Capacity	Coil Airflow	Ent		Lvg
			MBh	cfm	
Main Htg	-0.1	84	68.0	69.0	
Aux Htg	0.0	0	0.0	0.0	
Preheat	-0.8	279	65.5	68.0	
Humidif	0.0	0	0.0	0.0	
Opt Vent	0.0	0	0.0	0.0	
Total	-0.8				

Zone Checksums

By MATENO

Facial 4/8

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 14			Mo/Hr: 8 / 14		Mo/Hr: Heating Design				Cooling			Heating
Outside Air:		OADB/WB/HR: 109 / 90 / 188			OADB: 106		OADB: 46				SADB	68.0	69.0	
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	1,970	1,970	44	0	0	0	56	0	-467	56	78.4	65.5	65.5
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	1,970	1,970	44	0	0	0	56	0	-467	56	0.0	0.0	0.0
Internal Loads														
Lights	0	0	0	0	0	0	0	0	0	0	0	0	0	0
People	1,000	0	1,000	22	500	24	0	0	0	0	0	0	0	0
Misc	1,500	0	1,500	34	1,500	71	0	0	0	0	0	0	0	0
<i>Sub Total ==></i>	2,500	0	2,500	56	2,000	94	0	0	0	0	0	0	0	0
Ceiling Load														
Ventilation Load	120	-120	0	0	121	6	-88	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 ==>	2,620	1,851	4,470	100.00	2,121	100.00	-88	-839	100.00	-88	-839	100.00	100.00	100.00

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	0	0
Supply	279	84
MinStop/Rh	84	84
Return	279	84
Exhaust	0	0
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	2.49	0.75
cfm/ton	750.07	
ft2/ton	300.65	
Btu/hr-ft2	39.91	-7.49
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	0.4	4.5	4.0	279	78.4	67.8	88.0	68.0	63.1	81.2
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	0.4	4.5								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	112		
Part	0		
ExFlr	0		
Roof	112	0	0
Wall	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	
			MBh	Lvg
	MBh	cfm	F	F
Main Htg	-0.1	84	68.0	69.0
Aux Htg	0.0	0	0.0	0.0
Preheat	-0.8	279	65.5	68.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-0.8			

Zone Checksums

By MATENO

Facial 5/8

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 14			Mo/Hr: 8 / 14		Mo/Hr: Heating Design				Cooling			Heating	
Outside Air:		OADB/WB/HR: 109 / 90 / 188			OADB: 106		OADB: 46				SADB	68.0	69.0		
Space	Plenum	Net	Percent	Space	Percent	Space Peak	Coil Peak	Percent	Space Peak	Coil Peak	Percent	Plenum	78.4	65.5	
Sens. + Lat	Sens. + Lat	Total	Of Total	Sensible	Of Total	Space Sens	Tot Sens	Of Total	Space Sens	Tot Sens	Of Total	Return	78.4	65.5	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA	78.4	65.5	
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	1,970	1,970	44	0	0	0	56	Roof Cond	0	-467	56	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	1,970	1,970	44	0	0	0	56	<i>Sub Total ==></i>	0	-467	56			
Internal Loads															
Lights	0	0	0	0	0	0	0	0	Lights	0	0	0			
People	1,000	0	1,000	22	500	24	0	0	People	0	0	0			
Misc	1,500	0	1,500	34	1,500	71	0	0	Misc	0	0	0			
<i>Sub Total ==></i>	2,500	0	2,500	56	2,000	94	0	0	<i>Sub Total ==></i>	0	0	0			
Ceiling Load															
Ceiling Load	120	-120	0	0	121	6	0	0	Ceiling Load	-88	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.	-526	63	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	154	-18	0			
Reheat at Design	0	0	0	0	0	0	0	0							
Grand Total ==>	2,620	1,851	4,470	100.00	2,121	100.00			Grand Total ==>	-88	-839	100.00			

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	0	0
Supply	279	84
MinStop/Rh	84	84
Return	279	84
Exhaust	0	0
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	2.49	0.75
cfm/ton	750.07	
ft2/ton	300.65	
Btu/hr-ft2	39.91	-7.49
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	0.4	4.5	4.0	279	78.4	67.8	88.0	68.0	63.1	81.2
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	0.4	4.5								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	112		
Part	0		
ExFlr	0		
Roof	112	0	0
Wall	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	
			F	Lvg
Main Htg	-0.1	84	68.0	69.0
Aux Htg	0.0	0	0.0	0.0
Preheat	-0.8	279	65.5	68.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-0.8			

Zone Checksums

By MATENO

Facial 6/8

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 14			Mo/Hr: 8 / 14		Mo/Hr: Heating Design				Cooling			Heating
Outside Air:		OADB/WB/HR: 109 / 90 / 188			OADB: 106		OADB: 46				SADB	68.0	69.0	
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	78.4	65.5
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	78.4	65.5
Envelope Loads														
Skylite Solar	0	0	0	0	0	0	0	0	0	0	0	Fn MtrTD	0.0	0.0
Skylite Cond	0	0	0	0	0	0	0	0	0	0	0	Fn BldTD	0.0	0.0
Roof Cond	0	1,970	1,970	44	0	0	0	0	0	-467	56	Fn Frict	0.0	0.0
Glass Solar	0	0	0	0	0	0	0	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	1,970	1,970	44	0	0	0	0	0	-467	56			
Internal Loads														
Lights	0	0	0	0	0	0	0	0	0	0	0			
People	1,000	0	1,000	22	500	24	0	0	0	0	0			
Misc	1,500	0	1,500	34	1,500	71	0	0	0	0	0			
<i>Sub Total ==></i>	2,500	0	2,500	56	2,000	94	0	0	0	0	0			
Ceiling Load														
Ventilation Load	120	-120	0	0	121	6	0	0	0	-88	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	0	0	0		
Sup. Fan Heat	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		
Duct Heat Pkup	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		
<i>Grand Total ==></i>	2,620	1,851	4,470	100.00	2,121	100.00	0	0	0	-88	-839	100.00		

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	0	0
Supply	279	84
MinStop/Rh	84	84
Return	279	84
Exhaust	0	0
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	2.49	0.75
cfm/ton	750.07	
ft2/ton	300.65	
Btu/hr-ft2	39.91	-7.49
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	0.4	4.5	4.0	279	78.4	67.8	88.0	68.0	63.1	81.2
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	0.4	4.5								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	112		
Part	0		
ExFlr	0		
Roof	112	0	0
Wall	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	
			MBh	Lvg
	MBh	cfm	F	F
Main Htg	-0.1	84	68.0	69.0
Aux Htg	0.0	0	0.0	0.0
Preheat	-0.8	279	65.5	68.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-0.8			

Zone Checksums

By MATENO

Facial 7/8

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 14			Mo/Hr: 8 / 14		Mo/Hr: Heating Design				Cooling			Heating	
Outside Air:		OADB/WB/HR: 109 / 90 / 188			OADB: 106		OADB: 46				SADB	68.0	69.0		
Space	Plenum	Net	Percent	Space	Percent	Space Peak	Coil Peak	Percent	Space Peak	Coil Peak	Percent	Plenum	78.4	65.5	
Sens. + Lat.	Sens. + Lat.	Total	Of Total	Sensible	Of Total	Space Sens	Tot Sens	Of Total	Space Sens	Tot Sens	Of Total	Return	78.4	65.5	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA	78.4	65.5	
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	1,970	1,970	44	0	0	0	56	Roof Cond	0	-467	56	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	1,970	1,970	44	0	0	0	56	<i>Sub Total ==></i>	0	-467	56			
Internal Loads															
Lights	0	0	0	0	0	0	0	0	Lights	0	0	0			
People	1,000	0	1,000	22	500	24	0	0	People	0	0	0			
Misc	1,500	0	1,500	34	1,500	71	0	0	Misc	0	0	0			
<i>Sub Total ==></i>	2,500	0	2,500	56	2,000	94	0	0	<i>Sub Total ==></i>	0	0	0			
Ceiling Load															
Ceiling Load	120	-120	0	0	121	6	0	0	Ceiling Load	-88	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.	-526	63	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	154	-18	0			
Reheat at Design	0	0	0	0	0	0	0	0							
Grand Total ==>	2,620	1,851	4,470	100.00	2,121	100.00			Grand Total ==>	-88	-839	100.00			

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	0	0
Supply	279	84
MinStop/Rh	84	84
Return	279	84
Exhaust	0	0
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	2.49	0.75
cfm/ton	750.07	
ft2/ton	300.65	
Btu/hr-ft2	39.91	-7.49
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	0.4	4.5	4.0	279	78.4	67.8	88.0	68.0	63.1	81.2
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	0.4	4.5								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	112		
Part	0		
ExFlr	0		
Roof	112	0	0
Wall	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	
			MBh	Lvg
	MBh	cfm	F	F
Main Htg	-0.1	84	68.0	69.0
Aux Htg	0.0	0	0.0	0.0
Preheat	-0.8	279	65.5	68.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-0.8			

Zone Checksums

By MATENO

Facial 8/8

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 14			Mo/Hr: 8 / 14		Mo/Hr: Heating Design				Cooling			Heating
Outside Air:		OADB/WB/HR: 109 / 90 / 188			OADB: 106		OADB: 46				SADB	68.0	69.0	
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		Skylite Solar	0	0	0			
Skylite Cond	0	0	0	0	0	0		Skylite Cond	0	0	0			
Roof Cond	0	1,970	1,970	44	0	0		Roof Cond	0	-467	56			
Glass Solar	0	0	0	0	0	0		Glass Solar	0	0	0			
Glass Cond	0	0	0	0	0	0		Glass Cond	0	0	0			
Wall Cond	0	0	0	0	0	0		Wall Cond	0	0	0			
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>	0	1,970	1,970	44	0	0		<i>Sub Total ==></i>	0	-467	56			
Internal Loads														
Lights	0	0	0	0	0	0		Lights	0	0	0			
People	1,000	0	1,000	22	500	24		People	0	0	0			
Misc	1,500	0	1,500	34	1,500	71		Misc	0	0	0			
<i>Sub Total ==></i>	2,500	0	2,500	56	2,000	94		<i>Sub Total ==></i>	0	0	0			
Ceiling Load														
Ceiling Load	120	-120	0	0	121	6		Ceiling Load	-88	0	0			
Ventilation Load	0	0	0	0	0	0		Ventilation Load	0	0	0			
Dehumid. Ov Sizing	0	0	0	0	0	0		Ov/Undr Sizing	0	0	0			
Ov/Undr Sizing	0	0	0	0	0	0		Exhaust Heat	0	0	0			
Exhaust Heat	0	0	0	0	0	0		OA Preheat Diff.	0	0	0			
Sup. Fan Heat	0	0	0	0	0	0		RA Preheat Diff.	-526	63				
Ret. Fan Heat	0	0	0	0	0	0		Additional Reheat	0	0	0			
Duct Heat Pkup	0	0	0	0	0	0		System Plenum Heat	154	-18				
Reheat at Design	0	0	0	0	0	0								
Grand Total ==>	2,620	1,851	4,470	100.00	2,121	100.00		Grand Total ==>	-88	-839	100.00			

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	0	0
Supply	279	84
MinStop/Rh	84	84
Return	279	84
Exhaust	0	0
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	2.49	0.75
cfm/ton	750.07	
ft2/ton	300.65	
Btu/hr-ft2	39.91	-7.49
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	0.4	4.5	4.0	279	78.4	67.8	88.0	68.0	63.1	81.2
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	0.4	4.5								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	112		
Part	0		
ExFlr	0		
Roof	112	0	0
Wall	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	
			MBh	Lvg
	MBh	cfm	F	F
Main Htg	-0.1	84	68.0	69.0
Aux Htg	0.0	0	0.0	0.0
Preheat	-0.8	279	65.5	68.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-0.8			

Zone Checksums

By MATENO

Jacuzzi

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 14			Mo/Hr: 8 / 14		Mo/Hr: Heating Design				Cooling			Heating		
Outside Air:		OADB/WB/HR: 109 / 90 / 188			OADB: 106		OADB: 46				SADB	68.0	69.3			
Space Sens.	Plenum Sens.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent	Space Sens	Tot Sens	Of Total	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	(%)	78.4	78.4	0.0	0.0	0.0
Envelope Loads																
Skylite Solar	0	0	0	0	0	0	0	0	0	0	0	78.4	78.4	0.0	0.0	0.0
Skylite Cond	0	0	0	0	0	0	0	0	0	0	0	78.4	78.4	0.0	0.0	0.0
Roof Cond	0	5,278	5,278	53	0	0	0	73	0	-1,251	73	78.4	78.4	0.0	0.0	0.0
Glass Solar	0	0	0	0	0	0	0	0	0	0	0	78.4	78.4	0.0	0.0	0.0
Glass Cond	0	0	0	0	0	0	0	0	0	0	0	78.4	78.4	0.0	0.0	0.0
Wall Cond	0	0	0	0	0	0	0	0	0	0	0	78.4	78.4	0.0	0.0	0.0
Partition	0	0	0	0	0	0	0	0	0	0	0	78.4	78.4	0.0	0.0	0.0
Exposed Floor	0	0	0	0	0	0	0	0	0	0	0	78.4	78.4	0.0	0.0	0.0
Infiltration	0	0	0	0	0	0	0	0	0	0	0	78.4	78.4	0.0	0.0	0.0
<i>Sub Total ==></i>	0	5,278	5,278	53	0	0	0	73	0	-1,251	73	78.4	78.4	0.0	0.0	0.0
Internal Loads																
Lights	1,365	341	1,707	17	1,365	33	0	0	0	0	0	78.4	78.4	0.0	0.0	0.0
People	1,000	0	1,000	10	500	12	0	0	0	0	0	78.4	78.4	0.0	0.0	0.0
Misc	2,000	0	2,000	20	2,000	48	0	0	0	0	0	78.4	78.4	0.0	0.0	0.0
<i>Sub Total ==></i>	4,365	341	4,707	47	3,865	92	0	0	0	0	0	78.4	78.4	0.0	0.0	0.0
Ceiling Load																
Ventilation Load	320	-320	0	0	324	8	-236	0	0	0	0	78.4	78.4	0.0	0.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0	0	0	0	78.4	78.4	0.0	0.0	0.0
Ov/Undr Sizing	0	0	0	0	0	0	0	0	0	0	0	78.4	78.4	0.0	0.0	0.0
Exhaust Heat	0	0	0	0	0	0	0	0	0	0	0	78.4	78.4	0.0	0.0	0.0
Sup. Fan Heat	0	0	0	0	0	0	0	0	0	0	0	78.4	78.4	0.0	0.0	0.0
Ret. Fan Heat	0	0	0	0	0	0	0	0	0	0	0	78.4	78.4	0.0	0.0	0.0
Duct Heat Pkup	0	0	0	0	0	0	0	0	0	0	0	78.4	78.4	0.0	0.0	0.0
Reheat at Design	0	0	0	0	0	0	0	0	0	0	0	78.4	78.4	0.0	0.0	0.0
<i>Grand Total ==></i>	4,686	5,298	9,984	100.00	4,189	100.00	-236	-1,719	100.00							

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	0	0
Supply	552	166
MinStop/Rh	166	166
Return	552	166
Exhaust	0	0
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	1.84	0.55
cfm/ton	663.33	
ft2/ton	360.57	
Btu/hr-ft2	33.28	-5.73
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	10.0	9.5	551	78.4	67.8	88.0	68.0	62.5	78.2
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	10.0								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	300		
Part	0		
ExFlr	0		
Roof	300	0	0
Wall	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	
			F	Lvg
Main Htg	-0.2	166	68.0	69.3
Aux Htg	0.0	0	0.0	0.0
Preheat	-1.5	552	65.5	68.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-1.7			

Zone Checksums

By MATENO

Juice Room

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 8 / 14			Mo/Hr: 8 / 14		Mo/Hr: Heating Design				Cooling			Heating
Outside Air:		OADB/WB/HR: 106 / 89 / 190			OADB: 106		OADB: 46				SADB	68.0	70.0	
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	78.4	65.5	65.5
Roof Cond	0	2,009	2,009	0	0	0	-462	20	0	0	0	78.4	65.5	65.5
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	964	364	1,327	15	18	-315	-426	18	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>	964	2,372	3,336	37	18	-315	-888	38						
Internal Loads														
Lights	1,365	341	1,707	19	26	0	0	0	0	0	0	0	0	0
People	2,200	0	2,200	25	21	0	0	0	0	0	0	0	0	0
Misc	1,707	0	1,707	19	32	0	0	0	0	0	0	0	0	0
<i>Sub Total ==></i>	5,272	341	5,613	63	78	0	0	0	0	0	0	0	0	0
Ceiling Load														
Ventilation Load	197	-197	0	0	4	-143	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	0	0	0	0	0	0	0	0
<i>Grand Total ==></i>	6,432	2,517	8,949	100.00	100.00	-458	-2,346	100.00						

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	0	0
Supply	702	211
MinStop/Rh	211	211
Return	702	211
Exhaust	0	0
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	3.86	1.16
cfm/ton	941.87	
ft2/ton	244.05	
Btu/hr-ft2	49.17	-12.89
No. People	4	

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			F	F	gr/lb	F	F	gr/lb
Main Clg	0.8	9.0	7.9	702	78.4	67.8	88.0	68.0	64.1	86.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.8	9.0								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	182		
Part	0		
ExFlr	0		
Roof	182	0	0
Wall	154	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	
			MBh	Lvg
		cfm	F	F
Main Htg	-0.5	211	68.0	70.0
Aux Htg	0.0	0	0.0	0.0
Preheat	-1.9	702	65.5	68.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-2.4			

Zone Checksums

By MATENO

Linens

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 8 / 14			Mo/Hr: 8 / 14		Mo/Hr: Heating Design				Cooling			Heating	
Outside Air:		OADB/WB/HR: 106 / 89 / 190			OADB: 106		OADB: 46				SADB	68.0	70.0		
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total (%)	Space Sens	Coil Peak Tot Sens	Percent Of Total (%)	Plenum	78.4	65.5	
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	78.4	65.5	
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	2,009	2,009	22	0	0	0	20	Roof Cond	0	-462	20	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	964	364	1,327	15	964	18	964	18	Wall Cond	-315	-426	18			
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>	964	2,372	3,336	37	964	18	964	18	<i>Sub Total ==></i>	-315	-888	38			
Internal Loads															
Lights	1,365	341	1,707	19	1,365	26	1,365	26	Lights	0	0	0	Supply	702	211
People	2,200	0	2,200	25	1,100	21	1,100	21	People	0	0	0	MinStop/Rh	211	211
Misc	1,707	0	1,707	19	1,707	32	1,707	32	Misc	0	0	0	Return	702	211
<i>Sub Total ==></i>	5,272	341	5,613	63	4,172	78	4,172	78	<i>Sub Total ==></i>	0	0	0	Exhaust	0	0
Ceiling Load															
Ceiling Load	197	-197	0	0	197	4	197	4	Ceiling Load	-143	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.	-1,321	56	56			
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	-136	6	6			
Reheat at Design	0	0	0	0	0	0	0	0							
Grand Total ==>	6,432	2,517	8,949	100.00	5,332	100.00	5,332	100.00	Grand Total ==>	-458	-2,346	100.00			

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	0	0
Supply	702	211
MinStop/Rh	211	211
Return	702	211
Exhaust	0	0
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	3.86	1.16
cfm/ton	941.87	
ft2/ton	244.05	
Btu/hr-ft2	49.17	-12.89
No. People	4	

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	9.0	7.9	702	78.4	67.8	88.0	68.0	64.1	86.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.8	9.0								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	182		
Part	0		
ExFlr	0		
Roof	182	0	0
Wall	154	0	0

HEATING COIL SELECTION				
	Capacity MBh	Coil Airflow cfm	Ent Lvg	
			F	F
Main Htg	-0.5	211	68.0	70.0
Aux Htg	0.0	0	0.0	0.0
Preheat	-1.9	702	65.5	68.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-2.4			

Zone Checksums

By MATENO

Massage Hydro

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 6 / 14			Mo/Hr: 6 / 14		Mo/Hr: Heating Design				Cooling			Heating	
Outside Air:		OADB/WB/HR: 109 / 81 / 124			OADB: 109		OADB: 46				SADB	68.0	72.8		
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	78.3	65.5	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	78.3	65.5	
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	5,531	5,531	22	0	0	0	18	Roof Cond	0	-1,624	18	Fn Frict	0.0	0.0
Glass Solar	7,758	0	7,758	32	7,758	47	7,758	0	Glass Solar	0	0	0			
Glass Cond	3,962	0	3,962	16	3,962	24	3,962	33	Glass Cond	-3,085	-3,085	33			
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 ==>	11,720	5,531	17,251	70	11,720	71	11,720	51	Sub Total ==>	-3,085	-4,709	51			
Internal Loads															
Lights	0	0	0	0	0	0	0	0	Lights	0	0	0			
People	5,848	0	5,848	24	2,924	18	2,924	0	People	0	0	0			
Misc	1,500	0	1,500	6	1,500	9	1,500	0	Misc	0	0	0			
Sub Total ==>	7,348	0	7,348	30	4,424	27	4,424	0	Sub Total ==>	0	0	0			
Ceiling Load															
Ceiling Load	403	-403	0	0	403	2	403	0	Ceiling Load	-306	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.	-4,100	44	44			
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	-439	5	5			
Reheat at Design	0	0	0	0	0	0	0	0							
Grand Total ==>	19,471	5,129	24,600	100.00	16,547	100.00	16,547	100.00	Grand Total ==>	-3,391	-9,248	100.00			

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	0	0
Supply	2,180	654
MinStop/Rh	654	654
Return	2,180	654
Exhaust	0	0
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	5.60	1.68
cfm/ton	1,063.34	
ft2/ton	190.00	
Btu/hr-ft2	63.16	-23.74
No. People	12	

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			F	F	gr/lb	F	F	gr/lb
Main Clg	2.1	24.6	21.7	2,180	78.3	67.7	88.0	68.0	64.5	87.9
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	2.1	24.6								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	390		
Part	0		
ExFlr	0		
Roof	390	0	0
Wall	275	275	100

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	
			F	Lvg
Main Htg	-3.4	654	68.0	72.8
Aux Htg	0.0	0	0.0	0.0
Preheat	-5.9	2,180	65.5	68.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-9.3			

Zone Checksums

By MATENO

SideWalk

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 14			Mo/Hr: 7 / 14				Mo/Hr: Heating Design					
Outside Air:		OADB/WB/HR: 109 / 90 / 188			OADB: 109				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	68.0	76.7				
Roof Cond	0	16,185	16,185	48	0	0	0	0	78.4	65.5				
Glass Solar	0	0	0	0	0	0	0	0	78.4	65.5				
Glass Cond	0	0	0	0	0	0	0	0	78.4	65.5				
Wall Cond	0	0	0	0	0	0	0	0	Fn MtrTD	0.0 0.0				
Partition	0	0	0	0	0	0	0	0	Fn BldTD	0.0 0.0				
Exposed Floor	0	0	0	0	0	0	0	0	Fn Frict	0.0 0.0				
Infiltration	12,097	12,097	36	4,271	45	Infiltration	-2,746	-2,746	40					
Sub Total ==>	12,097	16,185	28,282	84	4,271	45	Sub Total ==>	-2,746	-6,810	99				
Internal Loads												AIRFLOWS		
Lights	1,365	341	1,707	5	1,365	14	Lights	0	0	0	Cooling	Heating		
People	2,500		2,500	7	1,250	13	People	0	0	0	Vent	0 0		
Misc	1,500	0	1,500	4	1,500	16	Misc	0	0	0	Infil	115 115		
Sub Total ==>	5,365	341	5,707	17	4,115	44	Sub Total ==>	0	0	0	Supply	1,242 373		
Ceiling Load												MinStop/Rh		
Ventilation Load	0	-1,041	0	0	1,041	11	Ventilation Load	-766	0	0	Return	1,357 488		
Dehumid. Ov Sizing	0	0	0	0	0	0	Ov/Undr Sizing	0	0	0	Exhaust	115 115		
Ov/Undr Sizing	0	0	0	0	0	0	Exhaust Heat		309	-5	Rm Exh	0 0		
Exhaust Heat		-421	-421	-1			OA Preheat Diff.		0	0	Auxil	0 0		
Sup. Fan Heat		0	0	0			RA Preheat Diff.		-2,336	34				
Ret. Fan Heat		0	0	0			Additional Reheat		0	0				
Duct Heat Pkup		0	0	0			System Plenum Heat		1,988	-29				
Reheat at Design		0	0	0			Grand Total ==>	-3,512	-6,849	100.00				
Grand Total ==>	18,504	15,065	33,568	100.00	9,428	100.00				ENGINEERING CKS				

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	2.8	33.6	24.5	1,242	78.4	67.8	88.0	68.0	59.7	65.3	Floor	975					
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0					
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0					
Total	2.8	33.6									Roof	975	0	0			
											Wall	0	0	0			
											Main Htg	-3.5	373	68.0	76.7		
											Aux Htg	0.0	0	0.0	0.0		
											Preheat	-3.3	1,242	65.5	68.0		
											Humidif	-3.4	115	9.4	52.5		
											Opt Vent	0.0	0	0.0	0.0		
											Total	-10.2					

Zone Checksums

By MATENO

Treatment 1/8

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 6 / 14			Mo/Hr: 6 / 14		Mo/Hr: Heating Design								
Outside Air:		OADB/WB/HR: 109 / 81 / 124			OADB: 109		OADB: 46								
Space Sens.	Plenum Sens.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent	Space Sens	Tot Sens	Of Total				
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)				
Envelope Loads													AIRFLOWS		
Skylite Solar	0	0	0	0	0	0	0	0	0	0	0	Cooling			
Skylite Cond	0	0	0	0	0	0	0	0	0	0	0	Heating			
Roof Cond	0	5,531	5,531	22	0	0	0	0	0	-1,624	18	Vent	0	0	
Glass Solar	7,758	0	7,758	32	7,758	47	7,758	47	0	0	0	Infil	0	0	
Glass Cond	3,962	0	3,962	16	3,962	24	3,962	24	0	-3,085	33	Supply	2,180	654	
Wall Cond	0	0	0	0	0	0	0	0	0	0	0	MinStop/Rh	654	654	
Partition	0	0	0	0	0	0	0	0	0	0	0	Return	2,180	654	
Exposed Floor	0	0	0	0	0	0	0	0	0	0	0	Exhaust	0	0	
Infiltration	0	0	0	0	0	0	0	0	0	0	0	Rm Exh	0	0	
<i>Sub Total ==></i>	11,720	5,531	17,251	70	11,720	71	11,720	71	0	-3,085	51	Auxil	0	0	
Internal Loads													ENGINEERING CKS		
Lights	0	0	0	0	0	0	0	0	0	0	0	% OA	0.0	0.0	
People	5,848	0	5,848	24	2,924	18	2,924	18	0	0	0	cfm/ft2	5.60	1.68	
Misc	1,500	0	1,500	6	1,500	9	1,500	9	0	0	0	cfm/ton	1,063.34		
<i>Sub Total ==></i>	7,348	0	7,348	30	4,424	27	4,424	27	0	0	0	ft2/ton	190.00		
Ceiling Load													Btu/hr-ft2		
403	-403	0	0	0	403	2	403	2	-306	0	0	No. People	12		
Ventilation Load															
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				
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	0	0	0				
Sup. Fan Heat															
0	0	0	0	0	0	0	0	0	0	0	0				
Ret. Fan Heat															
0	0	0	0	0	0	0	0	0	-4,100	44	44				
Duct Heat Pkup															
0	0	0	0	0	0	0	0	0	0	0	0				
Reheat at Design															
0	0	0	0	0	0	0	0	0	Additional Reheat	0	0	0			
Grand Total ==>													System Plenum Heat		
19,471	5,129	24,600	100.00	16,547	100.00	-3,391	-9,248	100.00	-439	5	5				

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	cfm	F	F	gr/lb	F	F	gr/lb		ft2 (%)	MBh	cfm	F	F			
Main Clg	2.1	24.6	21.7	2,180	78.3	67.7	88.0	68.0	64.5	87.9	Floor	-3.4	654	68.0	72.8		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	-5.9	2,180	65.5	68.0		
Total	2.1	24.6									Roof	0.0	0	0.0	0.0		
											Wall	0.0	0	0.0	0.0		
											Total	-9.3					

Zone Checksums

By MATENO

Treatment 2/8

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES																														
Peaked at Time:		Mo/Hr: 6 / 14			Mo/Hr: 6 / 14		Mo/Hr: Heating Design																																			
Outside Air:		OADB/WB/HR: 109 / 81 / 124			OADB: 109		OADB: 46																																			
Space Sens.	Plenum Sens.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent	Space Sens	Tot Sens	Of Total																															
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)																															
Envelope Loads													AIRFLOWS <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">Cooling</th> <th style="text-align: center;">Heating</th> </tr> </thead> <tbody> <tr><td>Vent</td><td style="text-align: center;">0</td><td style="text-align: center;">0</td></tr> <tr><td>Infil</td><td style="text-align: center;">0</td><td style="text-align: center;">0</td></tr> <tr><td>Supply</td><td style="text-align: center;">2,180</td><td style="text-align: center;">654</td></tr> <tr><td>MinStop/Rh</td><td style="text-align: center;">654</td><td style="text-align: center;">654</td></tr> <tr><td>Return</td><td style="text-align: center;">2,180</td><td style="text-align: center;">654</td></tr> <tr><td>Exhaust</td><td style="text-align: center;">0</td><td style="text-align: center;">0</td></tr> <tr><td>Rm Exh</td><td style="text-align: center;">0</td><td style="text-align: center;">0</td></tr> <tr><td>Auxil</td><td style="text-align: center;">0</td><td style="text-align: center;">0</td></tr> </tbody> </table>				Cooling	Heating	Vent	0	0	Infil	0	0	Supply	2,180	654	MinStop/Rh	654	654	Return	2,180	654	Exhaust	0	0	Rm Exh	0	0	Auxil	0	0
	Cooling	Heating																																								
Vent	0	0																																								
Infil	0	0																																								
Supply	2,180	654																																								
MinStop/Rh	654	654																																								
Return	2,180	654																																								
Exhaust	0	0																																								
Rm Exh	0	0																																								
Auxil	0	0																																								
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0	0																																	
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0	0																																	
Roof Cond	0	5,531	5,531	22	0	Roof Cond	0	-1,624	18																																	
Glass Solar	7,758	0	7,758	32	7,758	47	7,758	0	0																																	
Glass Cond	3,962	0	3,962	16	3,962	24	3,962	-3,085	33																																	
Wall Cond	0	0	0	0	0	0	0	0	0																																	
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 ==>	11,720	5,531	17,251	70	11,720	71	11,720	-3,085	-4,709	51																																
Internal Loads													ENGINEERING CKS <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">Cooling</th> <th style="text-align: center;">Heating</th> </tr> </thead> <tbody> <tr><td>% OA</td><td style="text-align: center;">0.0</td><td style="text-align: center;">0.0</td></tr> <tr><td>cfm/ft2</td><td style="text-align: center;">5.60</td><td style="text-align: center;">1.68</td></tr> <tr><td>cfm/ton</td><td style="text-align: center;">1,063.34</td><td></td></tr> <tr><td>ft2/ton</td><td style="text-align: center;">190.00</td><td></td></tr> <tr><td>Btu/hr-ft2</td><td style="text-align: center;">63.16</td><td style="text-align: center;">-23.74</td></tr> <tr><td>No. People</td><td style="text-align: center;">12</td><td></td></tr> </tbody> </table>				Cooling	Heating	% OA	0.0	0.0	cfm/ft2	5.60	1.68	cfm/ton	1,063.34		ft2/ton	190.00		Btu/hr-ft2	63.16	-23.74	No. People	12							
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No. People	12																																									
Lights	0	0	0	0	0	0	0	0	0																																	
People	5,848	0	5,848	24	2,924	18	2,924	0	0																																	
Misc	1,500	0	1,500	6	1,500	9	1,500	0	0																																	
Sub Total ==>	7,348	0	7,348	30	4,424	27	4,424	0	0																																	
Ceiling Load	403	-403	0	0	403	2	403	-306	0	0																																
Ventilation Load	0	0	0	0	0	0	0	0	0	0																																
Dehumid. Ov Sizing	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	0	0																																
Sup. Fan Heat	0	0	0	0	0	0	0	0	0	0																																
Ret. Fan Heat	0	0	0	0	0	0	0	-4,100	44																																	
Duct Heat Pkup	0	0	0	0	0	0	0	0	0																																	
Reheat at Design	0	0	0	0	0	0	0	-439	5																																	
Grand Total ==>	19,471	5,129	24,600	100.00	16,547	100.00	16,547	-3,391	-9,248	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
Main Clg	2.1	24.6	21.7	2,180	78.3	67.7	88.0	68.0	64.5	87.9	390		-3.4	654	68.0	72.8	
Aux Clg	0.0	0.0	0.0	0	0.0	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	0		-5.9	2,180	65.5	68.0	
Total	2.1	24.6											0.0	0	0.0	0.0	
											275	275	100	0.0	0	0.0	0.0
													-9.3				

Zone Checksums

By MATENO

Treatment 3/8

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 6 / 14			Mo/Hr: 6 / 14		Mo/Hr: Heating Design							Cooling		Heating	
Outside Air:		OADB/WB/HR: 109 / 81 / 124			OADB: 109		OADB: 46							SADB	68.0	72.8	
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	Return	78.3	65.5			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA	78.3	65.5			
Envelope Loads																	
Skylite Solar	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			
Roof Cond	0	5,531	5,531	22	0	0	-1,624	18	0	0	0	0	0.0	0.0			
Glass Solar	7,758	0	7,758	32	7,758	47	0	0	0	0	0	0	0.0	0.0			
Glass Cond	3,962	0	3,962	16	3,962	24	-3,085	33	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			
Sub Total ==>	11,720	5,531	17,251	70	11,720	71	-3,085	51	-3,085	-4,709	51						
Internal Loads																	
Lights	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
People	5,848	0	5,848	24	2,924	18	0	0	0	0	0	0	0	0			
Misc	1,500	0	1,500	6	1,500	9	0	0	0	0	0	0	0	0			
Sub Total ==>	7,348	0	7,348	30	4,424	27	0	0	0	0	0						
Ceiling Load																	
Ventilation Load	403	-403	0	0	403	2	-306	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 ==>	19,471	5,129	24,600	100.00	16,547	100.00	-3,391	-9,248	100.00								

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	0	0
Supply	2,180	654
MinStop/Rh	654	654
Return	2,180	654
Exhaust	0	0
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	5.60	1.68
cfm/ton	1,063.34	
ft2/ton	190.00	
Btu/hr-ft2	63.16	-23.74
No. People	12	

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			F	F	gr/lb	F	F	gr/lb
Main Clg	2.1	24.6	21.7	2,180	78.3	67.7	88.0	68.0	64.5	87.9
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	2.1	24.6								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	390		
Part	0		
ExFlr	0		
Roof	390	0	0
Wall	275	275	100

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent Lvg	
			F	F
Main Htg	-3.4	654	68.0	72.8
Aux Htg	0.0	0	0.0	0.0
Preheat	-5.9	2,180	65.5	68.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-9.3			

Zone Checksums

By MATENO

Treatment 4/8

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES																														
Peaked at Time:		Mo/Hr: 6 / 14			Mo/Hr: 6 / 14		Mo/Hr: Heating Design																																			
Outside Air:		OADB/WB/HR: 109 / 81 / 124			OADB: 109		OADB: 46																																			
Space Sens.	Plenum Sens.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent	Space Sens	Tot Sens	Of Total																															
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)																															
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Auxil	0	0																																								
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0	0																																	
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0	0																																	
Roof Cond	0	5,531	5,531	22	0	Roof Cond	0	-1,624	18																																	
Glass Solar	7,758	0	7,758	32	7,758	47	7,758	0	0																																	
Glass Cond	3,962	0	3,962	16	3,962	24	3,962	-3,085	33																																	
Wall Cond	0	0	0	0	0	0	0	0	0																																	
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																																	
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Misc	1,500	0	1,500	6	1,500	9	1,500	0	0																																	
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Ventilation Load	0	0	0	0	0	0	Ventilation Load	0	0	0																																
Dehumid. Ov Sizing	0	0	0	0	0	0	Ov/Undr Sizing	0	0	0																																
Ov/Undr Sizing	0	0	0	0	0	0	Exhaust Heat	0	0	0																																
Exhaust Heat	0	0	0	0	0	0	OA Preheat Diff.	0	0	0																																
Sup. Fan Heat	0	0	0	0	0	0	RA Preheat Diff.	-4,100	44	0																																
Ret. Fan Heat	0	0	0	0	0	0	Additional Reheat	0	0	0																																
Duct Heat Pkup	0	0	0	0	0	0	System Plenum Heat	-439	5	0																																
Reheat at Design	0	0	0	0	0	0	Grand Total ==>	-3,391	-9,248	100.00																																
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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
Main Clg	2.1	24.6	21.7	2,180	78.3	67.7	88.0	68.0	64.5	87.9	390		-3.4	654	68.0	72.8	
Aux Clg	0.0	0.0	0.0	0	0.0	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	0		-5.9	2,180	65.5	68.0	
Total	2.1	24.6											0.0	0	0.0	0.0	
											390		0.0	0	0.0	0.0	
											275	275	100	0.0	0	0.0	
													-9.3	0	0.0	0.0	
													0.0	0	0.0	0.0	
													0.0	0	0.0	0.0	
													-9.3	0	0.0	0.0	

Zone Checksums

By MATENO

Treatment 5/8

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 6 / 14			Mo/Hr: 6 / 14		Mo/Hr: Heating Design							
Outside Air:		OADB/WB/HR: 109 / 81 / 124			OADB: 109		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					Envelope Loads									
Skylite Solar	0	0	0	0	0	0	0	0	0	0	0	SADB	68.0	72.8
Skylite Cond	0	0	0	0	0	0	0	0	0	0	0	Plenum	78.3	65.5
Roof Cond	0	5,531	5,531	22	0	0	0	0	0	-1,624	18	Return	78.3	65.5
Glass Solar	7,758	0	7,758	32	7,758	47	7,758	0	0	0	0	Ret/OA	78.3	65.5
Glass Cond	3,962	0	3,962	16	3,962	24	3,962	-3,085	-3,085	33	33	Fn MtrTD	0.0	0.0
Wall Cond	0	0	0	0	0	0	0	0	0	0	0	Fn BldTD	0.0	0.0
Partition	0	0	0	0	0	0	0	0	0	0	0	Fn Frict	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>	11,720	5,531	17,251	70	11,720	71	11,720	-3,085	-4,709	51	51			
Internal Loads					Internal Loads									
Lights	0	0	0	0	0	0	0	0	0	0	0			
People	5,848	0	5,848	24	2,924	18	2,924	0	0	0	0			
Misc	1,500	0	1,500	6	1,500	9	1,500	0	0	0	0			
<i>Sub Total ==></i>	7,348	0	7,348	30	4,424	27	4,424	0	0	0	0			
Ceiling Load	403	-403	0	0	403	2	403	-306	0	0	0			
Ventilation Load	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			
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>	19,471	5,129	24,600	100.00	16,547	100.00	16,547	-3,391	-9,248	100.00	100.00			

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	0	0
Supply	2,180	654
MinStop/Rh	654	654
Return	2,180	654
Exhaust	0	0
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	5.60	1.68
cfm/ton	1,063.34	
ft2/ton	190.00	
Btu/hr-ft2	63.16	-23.74
No. People	12	

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	2.1	24.6	21.7	2,180	78.3	67.7	88.0	68.0	64.5	87.9
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	2.1	24.6								

AREAS		
	Gross Total	Glass
		ft2 (%)
Floor	390	
Part	0	
ExFlr	0	
Roof	390	0 0
Wall	275	275 100

HEATING COIL SELECTION				
	Capacity MBh	Coil Airflow cfm	Ent Lvg	
			F	F
Main Htg	-3.4	654	68.0	72.8
Aux Htg	0.0	0	0.0	0.0
Preheat	-5.9	2,180	65.5	68.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-9.3			

Zone Checksums

By MATENO

Treatment 6/8

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 6 / 14			Mo/Hr: 6 / 14				Mo/Hr: Heating Design					
Outside Air:		OADB/WB/HR: 109 / 81 / 124			OADB: 109				OADB: 46					
Space Sens.	Plenum Sens.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent	Space Sens	Tot Sens	Of Total	SADB	Cooling	Heating
+ 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	78.3	72.8
Skylite Cond	0	0	0	0	0	0	0	0	Skylite Cond	0	0	0	78.3	65.5
Roof Cond	0	5,531	5,531	22	0	0	0	0	Roof Cond	0	-1,624	18	78.3	65.5
Glass Solar	7,758	0	7,758	32	7,758	47	7,758	47	Glass Solar	0	0	0	78.3	65.5
Glass Cond	3,962	0	3,962	16	3,962	24	3,962	24	Glass Cond	-3,085	-3,085	33	78.3	65.5
Wall Cond	0	0	0	0	0	0	0	0	Wall Cond	0	0	0	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 ==>	11,720	5,531	17,251	70	11,720	71	11,720	71	Sub Total ==>	-3,085	-4,709	51	0.0	0.0
Internal Loads														
Lights	0	0	0	0	0	0	0	0	Lights	0	0	0		
People	5,848	0	5,848	24	2,924	18	2,924	18	People	0	0	0		
Misc	1,500	0	1,500	6	1,500	9	1,500	9	Misc	0	0	0		
Sub Total ==>	7,348	0	7,348	30	4,424	27	4,424	27	Sub Total ==>	0	0	0		
Ceiling Load														
Ceiling Load	403	-403	0	0	403	2	403	2	Ceiling Load	-306	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.	-4,100	44			
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	-439	5			
Reheat at Design	0	0	0	0	0	0	0	0						
Grand Total ==>	19,471	5,129	24,600	100.00	16,547	100.00	16,547	100.00	Grand Total ==>	-3,391	-9,248	100.00		

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	0	0
Supply	2,180	654
MinStop/Rh	654	654
Return	2,180	654
Exhaust	0	0
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	5.60	1.68
cfm/ton	1,063.34	
ft2/ton	190.00	
Btu/hr-ft2	63.16	-23.74
No. People	12	

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			F	F	gr/lb	F	F	gr/lb
Main Clg	2.1	24.6	21.7	2,180	78.3	67.7	88.0	68.0	64.5	87.9
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	2.1	24.6								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	390		
Part	0		
ExFlr	0		
Roof	390	0	0
Wall	275	275	100

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	
			MBh	Lvg
		cfm	F	F
Main Htg	-3.4	654	68.0	72.8
Aux Htg	0.0	0	0.0	0.0
Preheat	-5.9	2,180	65.5	68.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-9.3			

Zone Checksums

By MATENO

Wet Room

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 6 / 14			Mo/Hr: 6 / 14		Mo/Hr: Heating Design				Cooling			Heating
Outside Air:		OADB/WB/HR: 109 / 81 / 124			OADB: 109		OADB: 46				SADB	68.0	72.8	
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	78.3	65.5
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	78.3	65.5
Envelope Loads														
Skylite Solar	0	0	0	0	0	0	0	0	0	0	0	Fn MtrTD	0.0	0.0
Skylite Cond	0	0	0	0	0	0	0	0	0	0	0	Fn BldTD	0.0	0.0
Roof Cond	0	5,531	5,531	22	0	0	0	18	0	-1,624	18	Fn Frict	0.0	0.0
Glass Solar	7,758	0	7,758	32	7,758	47	7,758	0	0	0	0			
Glass Cond	3,962	0	3,962	16	3,962	24	3,962	33	-3,085	-3,085	33			
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			
Sub Total ==>	11,720	5,531	17,251	70	11,720	71	11,720	51	-3,085	-4,709	51			
Internal Loads														
Lights	0	0	0	0	0	0	0	0	0	0	0			
People	5,848	0	5,848	24	2,924	18	2,924	0	0	0	0			
Misc	1,500	0	1,500	6	1,500	9	1,500	0	0	0	0			
Sub Total ==>	7,348	0	7,348	30	4,424	27	4,424	0	0	0	0			
Ceiling Load														
Ceiling Load	403	-403	0	0	403	2	403	0	-306	0	0			
Ventilation Load	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			
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 ==>	19,471	5,129	24,600	100.00	16,547	100.00	16,547	100.00	-3,391	-9,248	100.00			

AIRFLOWS		
	Cooling	Heating
Vent	0	0
Infil	0	0
Supply	2,180	654
MinStop/Rh	654	654
Return	2,180	654
Exhaust	0	0
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft2	5.60	1.68
cfm/ton	1,063.34	
ft2/ton	190.00	
Btu/hr-ft2	63.16	-23.74
No. People	12	

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			F	F	gr/lb	F	F	gr/lb
Main Clg	2.1	24.6	21.7	2,180	78.3	67.7	88.0	68.0	64.5	87.9
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	2.1	24.6								

AREAS			
	Gross Total	Glass	
		ft2	(%)
Floor	390		
Part	0		
ExFlr	0		
Roof	390	0	0
Wall	275	275	100

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	
			F	Lvg
Main Htg	-3.4	654	68.0	72.8
Aux Htg	0.0	0	0.0	0.0
Preheat	-5.9	2,180	65.5	68.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-9.3			