

Room Checksums

By MFIA Inc.

001 TUNNEL

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES		
Peaked at Time:		Mo/Hr: 0 / 0		Mo/Hr: 0 / 0		Mo/Hr: Heating Design			Cooling	Heating			
Outside Air:		OADB/WB/HR: 0 / 0 / 0		OADB: 0		OADB: 22			SADB	0.0	70.0		
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return				
Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens		Fn MtrTD				
						Btu/h	Btu/h		Fn BldTD				
									Fn Frict				
Envelope Loads				Envelope Loads							AIRFLOWS		
Skylite Solar	0	0	0	0	0	0	0	0.00	Diffuser	Cooling	0	0	
Skylite Cond	0	0	0	0	0	0	0	0.00	Terminal	0	0		
Roof Cond	0	0	0	0	0	0	0	0.00	Main Fan	0	0		
Glass Solar	0	0	0	0	0	0	0	0.00	Sec Fan	0	0		
Glass/Door Cond	0	0	0	0	0	0	0	0.00	Nom Vent	0	0		
Wall Cond	0	0	0	0	0	0	0	0.00	AHU Vent	0	0		
Partition/Door	0	0	0	0	0	0	0	0.00	Infil	0	0		
Floor	0	0	0	0	0	0	0	0.00	MinStop/Rh	0	0		
Adjacent Floor	0	0	0	0	0	0	0	0.00	Return	0	0		
Infiltration	0	0	0	0	0	0	0	0.00	Exhaust	0	0		
Sub Total ==>	0	0	0	0	0	0	0	0.00	Rm Exh	0	0		
Internal Loads				Internal Loads							ENGINEERING CKS		
Lights	0	0	0	0	0	0	0	0.00	% OA	Cooling	0.0	0.0	
People	0	0	0	0	0	0	0	0.00	cfm/ft²	0.00	0.00		
Misc	0	0	0	0	0	0	0	0.00	cfm/ton	0.00			
Sub Total ==>	0	0	0	0	0	0	0	0.00	ft²/ton	0.00			
Ceiling Load	0	0	0	0	0	0	0	0.00	Btu/hr-ft²	0.00	0.00		
Ventilation Load	0	0	0	0	0	0	0	0.00	No. People	1.2	3.3/1000 ft²		
Adj Air Trans Heat	0	0	0	0	0	0	0	0					
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00					
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00					
Exhaust Heat	0	0	0	0	0	0	0	0.00					
Sup. Fan Heat	0	0	0	0	0	0	0	0.00					
Ret. Fan Heat	0	0	0	0	0	0	0	0.00					
Duct Heat Pkup	0	0	0	0	0	0	0	0.00					
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00					
Supply Air Leakage	0	0	0	0	0	0	0	0.00					
Grand Total ==>	0	0	0	100.00	0	100.00	-186	-186	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	Ent	Lvg		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb					ft²	(%)
Main Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	68.3	70.0		
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		
Opt Vent	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		
Total	0.0	0.0														
Floor											350					
Part											0					
Int Door											0					
ExFlr											0					
Roof											0	0	0			
Wall											0	0	0			
Ext Door											0	0	0			
Main Htg											0.0	0	68.3	70.0		
Aux Htg											0.0	0	0.0	0.0		
Preheat											0.0	0	0.0	0.0		
Humidif											0.0	0	0.0	0.0		
Opt Vent											0.0	0	0.0	0.0		
Total											0.0					

Room Checksums

By MFIA Inc.

002 STAIR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES				
Peaked at Time:		Mo/Hr: 0 / 0		Mo/Hr: 0 / 0		Mo/Hr: Heating Design			Cooling			Heating			
Outside Air:		OADB/WB/HR: 0 / 0 / 0		OADB: 0		OADB: 22			SADB			Ra Plenum			
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict		
Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens								
Envelope Loads				Envelope Loads											
Skylite Solar	0	0	0	0	0	0	0	0.00							
Skylite Cond	0	0	0	0	0	0	0	0.00							
Roof Cond	0	0	0	0	0	0	0	0.00							
Glass Solar	0	0	0	0	0	0	0	0.00							
Glass/Door Cond	0	0	0	0	0	0	0	0.00							
Wall Cond	0	0	0	0	0	0	0	0.00							
Partition/Door	0	0	0	0	0	0	0	0.00							
Floor	0	0	0	0	0	0	0	0.00							
Adjacent Floor	0	0	0	0	0	0	0	0.00							
Infiltration	0	0	0	0	0	0	0	0.00							
Sub Total ==>	0	0	0	0	0	0	0	0.00							
Internal Loads				Internal Loads											
Lights	0	0	0	0	0	0	0	0.00							
People	0	0	0	0	0	0	0	0.00							
Misc	0	0	0	0	0	0	0	0.00							
Sub Total ==>	0	0	0	0	0	0	0	0.00							
Ceiling Load	0	0	0	0	0	-119	0	0.00							
Ventilation Load	0	0	0	0	0	0	0	0.00							
Adj Air Trans Heat	0	0	0	0	0	0	0	0							
Dehumid. Ov Sizing			0	0		0	0	0.00							
Ov/Undr Sizing	0		0	0	0	0	0	0.00							
Exhaust Heat		0	0	0		0	0	0.00							
Sup. Fan Heat			0	0		0	0	0.00							
Ret. Fan Heat			0	0		0	0	0.00							
Duct Heat Pkup			0	0		0	0	0.00							
Underflr Sup Ht Pkup			0	0		0	0	0.00							
Supply Air Leakage			0	0		0	0	0.00							
Grand Total ==>	0	0	0	100.00	0	100.00	-119	-119	100.00						

AIRFLOWS		
	Cooling	Heating
Diffuser	0	0
Terminal	0	0
Main Fan	0	0
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	0	0
MinStop/Rh	0	0
Return	0	0
Exhaust	0	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft²	0.00	0.00
cfm/ton	0.00	0.00
ft²/ton	0.00	0.00
Btu/hr-ft²	0.00	0.00
No. People	0.7	3.3/1000 ft²

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	°F	gr/lb
Main Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	225		
Part	0		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	0.0	0	68.3	70.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	0.0			

Room Checksums

By MFIA Inc.

003 MECHANICAL

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES		
Peaked at Time:		Mo/Hr: 0 / 0		Mo/Hr: 0 / 0		Mo/Hr: Heating Design			Cooling	Heating			
Outside Air:		OADB/WB/HR: 0 / 0 / 0		OADB: 0		OADB: 22			SADB	0.0	70.0		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	0.0	68.3		
Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens		Ret/OA	0.0	68.3		
							Btu/h	Btu/h		Fn MtrTD	0.0	0.0	
										Fn BldTD	0.0	0.0	
										Fn Frict	0.0	0.0	
Envelope Loads				Envelope Loads									
Skylite Solar	0	0	0	0	0	0	0	0.00					
Skylite Cond	0	0	0	0	0	0	0	0.00					
Roof Cond	0	0	0	0	0	0	0	0.00					
Glass Solar	0	0	0	0	0	0	0	0.00					
Glass/Door Cond	0	0	0	0	0	0	0	0.00					
Wall Cond	0	0	0	0	0	0	0	0.00					
Partition/Door	0	0	0	0	0	0	0	0.00					
Floor	0	0	0	0	0	0	0	0.00					
Adjacent Floor	0	0	0	0	0	0	0	0.00					
Infiltration	0	0	0	0	0	0	0	0.00					
Sub Total ==>	0	0	0	0	0	0	0	0.00					
Internal Loads				Internal Loads									
Lights	0	0	0	0	0	0	0	0.00					
People	0	0	0	0	0	0	0	0.00					
Misc	0	0	0	0	0	0	0	0.00					
Sub Total ==>	0	0	0	0	0	0	0	0.00					
Ceiling Load	0	0	0	0	0	-113	0	0.00					
Ventilation Load	0	0	0	0	0	0	0	0.00					
Adj Air Trans Heat	0	0	0	0	0	0	0	0					
Dehumid. Ov Sizing			0	0		0	0	0.00					
Ov/Undr Sizing	0		0	0	0	0	0	0.00					
Exhaust Heat		0	0	0		0	0	0.00					
Sup. Fan Heat			0	0		0	0	0.00					
Ret. Fan Heat		0	0	0		0	0	0.00					
Duct Heat Pkup		0	0	0		0	0	0.00					
Underflr Sup Ht Pkup			0	0		0	0	0.00					
Supply Air Leakage		0	0	0		0	0	0.00					
Grand Total ==>	0	0	0	100.00	0	100.00	-113	-113	100.00				

AIRFLOWS		
	Cooling	Heating
Diffuser	0	0
Terminal	0	0
Main Fan	0	0
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	0	0
MinStop/Rh	0	0
Return	0	0
Exhaust	0	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft²	0.00	0.00
cfm/ton	0.00	0.00
ft²/ton	0.00	0.00
Btu/hr-ft²	0.00	0.00
No. People	0.7	3.3/1000 ft²

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F
Main Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	213		
Part	0		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	
			°F	Lvg °F
	MBh	cfm		
Main Htg	0.0	0	68.3	70.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	0.0			

Room Checksums

By MFIA Inc.

100 MULTI FAMILY VISITATION

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 8 / 16		Mo/Hr: 9 / 16		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 94 / 65 / 49		OADB: 89		OADB: 22						SADB	55.0	75.0
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.1	69.6
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.8	70.0
Envelope Loads				Envelope Loads								Ret/OA	86.5	41.8
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	1.1	0.0
Glass Solar	3,306	0	3,306	17	3,756	23	0	0.00	0	0	0.00	AIRFLOWS		
Glass/Door Cond	342	0	342	2	250	2	-866	6.63	-866	-866	6.63	Diffuser	199	199
Wall Cond	146	19	166	1	124	1	-490	4.24	-554	-554	4.24	Terminal	199	199
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	199	199
Floor	-406	0	-406	-2	-398	-2	-893	6.83	-893	-893	6.83	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	116	116
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	116	116
Sub Total ==>	3,388	19	3,408	18	3,732	23	-2,249	17.70	-2,249	-2,313	17.70	Infil	0	0
Internal Loads				Internal Loads								MinStop/Rh	199	199
Lights	2,275	0	2,275	12	2,275	14	0	0.00	0	0	0.00	Return	199	199
People	4,872	0	4,872	25	2,984	19	0	0.00	0	0	0.00	Exhaust	116	116
Misc	2,993	0	2,993	15	2,993	19	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	10,139	0	10,139	52	8,251	51	0	0.00	0	0	0.00	Auxiliary	2,582	2,582
Ceiling Load				Ceiling Load								Leakage Dwn	0	0
Ventilation Load	0	-37	0	0	33	0	-113	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	1,310	7	0	0	0	46.47	0	-6,073	46.47	ENGINEERING CKS		
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	58.4	58.4
Ov/Undr Sizing	4,099	0	4,099	21	4,099	25	0	0.00	0	0	0.00	cfm/ft²	0.20	0.20
Exhaust Heat	0	-94	-94	0	0	0	0	0.00	0	0	0.00	cfm/ton	316.58	
Sup. Fan Heat	0	0	334	2	0	0	0	0.00	0	0	0.00	ft²/ton	1,550.61	
Ret. Fan Heat	0	162	162	1	0	0	0	0.00	-4,633	35.45	35.45	Btu/hr-ft²	7.74	-7.98
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	-49	0.37	0.37	No. People	12.2	12.5/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	17,664	49	19,356	100.00	16,115	100.00	-2,362	100.00	-2,362	-13,068	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
Main Clg	0.6	7.5	6.7	199	86.5	63.8	54.9	53.5	50.4	51.4	Floor	974			Main Htg	-4.6	199	53.5	75.0
Aux Clg	1.0	11.8	11.8	2,582	75.0	63.4	71.8	70.8	62.0	71.8	Part	0			Aux Htg	-17.8	2,582	70.0	76.4
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0			Preheat	-3.1	199	41.8	53.5
Total	1.6	19.4									ExFlr	974			Reheat	-5.8	199	53.5	75.0
											Roof	0	0	0	Humidif	0.0	0	0.0	0.0
											Wall	248	54	22	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	Total	-25.5			

Room Checksums

By MFIA Inc.

101 ADMIN

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 10		Mo/Hr: 6 / 9		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating	
Outside Air:		OADB/WB/HR: 76 / 54 / 30		OADB: 68		OADB: 22		OADB: 22				SADB	55.0	75.0
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.1	69.6
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.8	70.0
Envelope Loads				Envelope Loads								Ret/OA	76.1	42.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	1.1	0.0
Glass Solar	1,441	0	1,441	67	1,752	79	0	0.00	0	0	0.00	AIRFLOWS		
Glass/Door Cond	-16	0	-16	-1	-106	-5	-578	24.61	-578	-578	24.61	Diffuser	26	26
Wall Cond	7	1	8	0	-19	-1	-233	11.32	-266	-266	11.32	Terminal	26	26
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	26	26
Floor	-59	0	-59	-3	-77	-3	-105	4.47	-105	-105	4.47	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	15	15
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	15	15
Sub Total ==>	1,373	1	1,374	63	1,550	70	-915	40.41	-948	-948	40.41	Infil	0	0
Internal Loads				Internal Loads								MinStop/Rh	26	26
Lights	262	0	262	12	220	10	0	0.00	0	0	0.00	Return	26	26
People	332	0	332	15	125	6	0	0.00	0	0	0.00	Exhaust	15	15
Misc	348	0	348	16	314	14	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	942	0	942	43	660	30	0	0.00	0	0	0.00	Auxiliary	353	353
Ceiling Load	4	-4	0	0	4	0	-13	0.00	0	0	0.00	Leakage Dwn	0	0
Ventilation Load	0	0	-202	-9	0	0	0	34.17	-802	-802	34.17	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	ENGINEERING CKS		
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	57.9	57.9
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	0.23	0.23
Exhaust Heat	0	-12	-12	-1	0	0	0	0.00	0	0	0.00	cfm/ton	482.10	
Sup. Fan Heat	0	0	44	2	0	0	0	0.00	0	0	0.00	ft²/ton	2,083.78	
Ret. Fan Heat	0	21	21	1	0	0	0	0.00	-617	-617	26.27	Btu/hr-ft²	5.76	-8.98
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	20	20	-0.85	No. People	0.8	7.0/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	2,319	6	2,167	100.00	2,214	100.00	-928	100.00	-2,347	-2,347	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
Main Clg	0.1	0.7	0.7	26	76.1	56.5	39.0	53.5	46.7	38.2	Floor	114		Main Htg	-0.6	26	53.5	75.0	
Aux Clg	0.1	1.6	1.6	353	75.0	63.4	71.8	70.9	62.0	71.8	Part	0		Aux Htg	-2.4	353	70.0	76.2	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	-0.4	26	42.0	53.5	
Total	0.2	2.2									ExFlr	114		Reheat	-0.8	26	53.5	75.0	
											Roof	0	0	Humidif	0.0	0	0.0	0.0	
											Wall	129	36	28	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	Total	-3.4			

Room Checksums

By MFIA Inc.

101A MENS

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 17		Mo/Hr: 7 / 17		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 92 / 64 / 49		OADB: 92		OADB: 22			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Tot Sens 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	0.00	0	0	0.00	0	0	
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	0	0	
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	0	0	
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	0	0	
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	0	0	
Wall Cond	77	8	85	17	77	19	-152	35.29	-167	-167	0.2	0.0	0.0	
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.4	0.0	0.0	
Floor	-26	0	-26	-5	-26	-6	-46	9.74	-46	-46	1.1	0.0	0.0	
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0				
Infiltration	0	0	0	0	0	0	0	0.00	0	0				
<i>Sub Total ==></i>	51	8	59	12	51	12	-198	45.02	-213	-213				
Internal Loads				Internal Loads										
Lights	120	0	120	24	120	29	0	0.00	0	0				
People	74	0	74	15	41	10	0	0.00	0	0				
Misc	160	0	160	32	160	39	0	0.00	0	0				
<i>Sub Total ==></i>	354	0	354	70	321	79	0	0.00	0	0				
Ceiling Load	2	-2	0	0	2	0	-6	0.00	0	0				
Ventilation Load	0	0	47	9	0	0	0	32.19	-153	-153				
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0				
Dehumid. Ov Sizing			0	0			0	0.00	0	0				
Ov/Undr Sizing	35		35	7	35	9	0	0.00	0	0				
Exhaust Heat		-2	-2	0			0	0.00	0	0				
Sup. Fan Heat			8	2			0	0.00	0	0				
Ret. Fan Heat		4	4	1			0	0.00	-117	-117				
Duct Heat Pkup		0	0	0			9	-1.96	9	9				
Underflr Sup Ht Pkup			0	0			0	0.00	0	0				
Supply Air Leakage			0	0			0	0.00	0	0				
Grand Total ==>	442	7	505	100.00	408	100.00	-204	100.00	-474	-474				

AIRFLOWS		
	Cooling	Heating
Diffuser	5	5
Terminal	5	5
Main Fan	5	5
Sec Fan	0	0
Nom Vent	3	3
AHU Vent	3	3
Infil	0	0
MinStop/Rh	5	5
Return	5	5
Exhaust	3	3
Rm Exh	0	0
Auxiliary	242	242
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	57.9	57.9
cfm/ft²	0.10	0.10
cfm/ton	294.13	
ft²/ton	2,941.32	
Btu/hr-ft²	4.08	-3.88
No. People	0.2	3.3/1000 ft²

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	°F	gr/lb
Main Clg	0.0	0.2	0.2	5	84.9	62.2	50.0	53.5	47.2	39.8
Aux Clg	0.0	0.3	0.3	242	75.0	63.4	71.8	73.9	63.0	71.8
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.0	0.5								

AREAS			
	Gross Total	Glass	(%)
		ft²	
Floor	50		
Part	0		
Int Door	0		
ExFlr	50		
Roof	0	0	0
Wall	59	0	0
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	-0.1	5	53.5	75.0
Aux Htg	-0.5	242	70.0	71.7
Preheat	-0.1	5	42.0	53.5
Reheat	-0.2	5	53.5	75.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-0.6			

Room Checksums

By MFIA Inc.

101B WOMENS

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 17		Mo/Hr: 7 / 17		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 92 / 64 / 49		OADB: 92		OADB: 22			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Tot Sens Btu/h							
Envelope Loads				Envelope Loads										
Skylite Solar	0	0	0	0	0	0	0	0.00						
Skylite Cond	0	0	0	0	0	0	0	0.00						
Roof Cond	0	0	0	0	0	0	0	0.00						
Glass Solar	0	0	0	0	0	0	0	0.00						
Glass/Door Cond	0	0	0	0	0	0	0	0.00						
Wall Cond	77	8	85	17	77	19	-152	35.29						
Partition/Door	0	0	0	0	0	0	0	0.00						
Floor	-26	0	-26	-5	-26	-6	-46	9.74						
Adjacent Floor	0	0	0	0	0	0	0	0.00						
Infiltration	0	0	0	0	0	0	0	0.00						
<i>Sub Total ==></i>	51	8	59	12	51	12	-198	45.02						
Internal Loads				Internal Loads										
Lights	120	0	120	24	120	29	0	0.00						
People	74	0	74	15	41	10	0	0.00						
Misc	160	0	160	32	160	39	0	0.00						
<i>Sub Total ==></i>	354	0	354	70	321	79	0	0.00						
Ceiling Load	2	-2	0	0	2	0	-6	0.00						
Ventilation Load	0	0	47	9	0	0	0	32.19						
Adj Air Trans Heat	0	0	0	0	0	0	0	0						
Dehumid. Ov Sizing			0	0			0	0.00						
Ov/Undr Sizing	35		35	7	35	9	0	0.00						
Exhaust Heat		-2	-2	0			0	0.00						
Sup. Fan Heat			8	2			0	0.00						
Ret. Fan Heat		4	4	1			-117	24.75						
Duct Heat Pkup		0	0	0			9	-1.96						
Underflr Sup Ht Pkup			0	0			0	0.00						
Supply Air Leakage			0	0			0	0.00						
Grand Total ==>	442	7	505	100.00	408	100.00	-204	474	100.00					

AIRFLOWS		
	Cooling	Heating
Diffuser	5	5
Terminal	5	5
Main Fan	5	5
Sec Fan	0	0
Nom Vent	3	3
AHU Vent	3	3
Infil	0	0
MinStop/Rh	5	5
Return	5	5
Exhaust	3	3
Rm Exh	0	0
Auxiliary	242	242
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	57.9	57.9
cfm/ft²	0.10	0.10
cfm/ton	294.13	
ft²/ton	2,941.32	
Btu/hr-ft²	4.08	-3.88
No. People	0.2	3.3/1000 ft²

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	°F	gr/lb
Main Clg	0.0	0.2	0.2	5	84.9	62.2	50.0	53.5	47.2	39.8
Aux Clg	0.0	0.3	0.3	242	75.0	63.4	71.8	73.9	63.0	71.8
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.0	0.5								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	50		
Part	0		
Int Door	0		
ExFlr	50		
Roof	0	0	0
Wall	59	0	0
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	-0.1	5	53.5	75.0
Aux Htg	-0.5	242	70.0	71.7
Preheat	-0.1	5	42.0	53.5
Reheat	-0.2	5	53.5	75.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-0.6			

Room Checksums

By MFIA Inc.

103 SMALL GROUP

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 16		Mo/Hr: 7 / 11		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 94 / 66 / 53		OADB: 82		OADB: 22						SADB	73.0	75.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.1	69.6
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.8	70.0
Envelope Loads				Envelope Loads								Ret/OA	86.6	41.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	1.1	0.0
Glass Solar	375	0	375	4	1,009	13	0	0.00	0	0	0.00	AIRFLOWS		
Glass/Door Cond	221	0	221	2	43	1	-578	7.21	-578	-578	7.21	Diffuser	130	130
Wall Cond	122	17	139	1	31	0	-250	3.56	-285	-285	3.56	Terminal	130	130
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	130	130
Floor	-141	0	-141	-1	-141	-2	-249	3.11	-249	-249	3.11	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	78	78
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	78	78
Sub Total ==>	578	17	596	6	942	12	-1,077	13.88	-1,077	-1,112	13.88	Infil	0	0
Internal Loads				Internal Loads								MinStop/Rh	130	130
Lights	623	0	623	6	659	8	0	0.00	0	0	0.00	Return	130	130
People	4,804	0	4,804	47	3,029	38	0	0.00	0	0	0.00	Exhaust	78	78
Misc	826	0	826	8	873	11	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	6,254	0	6,254	61	4,560	57	0	0.00	0	0	0.00	Auxiliary	1,694	1,694
Ceiling Load	10	-10	0	0	9	0	-31	0.00	0	0	0.00	Leakage Dwn	0	0
Ventilation Load	0	0	588	6	0	0	0	51.02	-4,087	-4,087	51.02	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	ENGINEERING CKS		
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	60.0	60.0
Ov/Undr Sizing	2,505	0	2,505	25	2,505	31	0	0.00	0	0	0.00	cfm/ft²	0.48	0.48
Exhaust Heat	0	-63	-63	-1	0	0	0	0.00	0	0	0.00	cfm/ton	623.77	
Sup. Fan Heat	0	0	218	2	0	0	0	0.00	0	0	0.00	ft²/ton	1,302.82	
Ret. Fan Heat	0	106	106	1	0	0	0	0.00	-2,815	-2,815	35.14	Btu/hr-ft²	9.21	-30.07
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	3	3	-0.04	No. People	12.4	45.5/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	9,348	49	10,203	100.00	8,017	100.00	-1,109	100.00	-1,109	-8,010	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	Lvg	Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F	gr/lb
Main Clg	0.2	2.5	1.6	130	86.6	64.9	60.2	55.0	53.4	60.2	Floor	272		Main Htg	-2.8	130	55.0	75.0	
Aux Clg	0.6	7.7	7.7	1,694	75.0	63.4	71.8	70.8	62.0	71.8	Part	0		Aux Htg	-11.6	1,694	70.0	76.4	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	-5.4	130	41.0	71.5	
Total	0.9	10.3									ExFlr	272		Reheat	-3.5	130	55.0	75.0	
											Roof	0	0	Humidif	0.0	0	0.0	0.0	
											Wall	136	36	26	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	Total	-19.8			

Room Checksums

By MFIA Inc.

104 CONSULT

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES					
Peaked at Time:		Mo/Hr: 7 / 16		Mo/Hr: 7 / 10		Mo/Hr: Heating Design						Cooling	Heating				
Outside Air:		OADB/WB/HR: 94 / 66 / 53		OADB: 76		OADB: 22						SADB	62.1	75.0			
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.1	69.6			
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.8	70.0			
Envelope Loads				Envelope Loads				Envelope Loads				Ret/OA	86.6	41.0			
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0			
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0			
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	1.1	0.0			
Glass Solar	375	0	375	7	1,441	32	0	0.00	0	0	0.00	AIRFLOWS					
Glass/Door Cond	221	0	221	4	-16	0	-578	13.61	-578	-289	6.81				Diffuser	62	62
Wall Cond	124	17	141	3	7	0	-254	6.81	-254	-289	6.81				Terminal	62	62
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00				Main Fan	62	62
Floor	-67	0	-67	-1	-67	-1	-118	2.79	-118	-118	2.79				Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00				Nom Vent	37	37
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00				AHU Vent	37	37
Sub Total ==>	654	17	671	12	1,366	30	-950	23.21	-950	-985	23.21				Infil	0	0
Internal Loads				Internal Loads				Internal Loads							MinStop/Rh	62	62
Lights	296	0	296	5	296	7	0	0.00	0	0	0.00				Return	62	62
People	2,282	0	2,282	42	1,238	27	0	0.00	0	0	0.00	Exhaust	37	37			
Misc	393	0	393	7	393	9	0	0.00	0	0	0.00	Rm Exh	0	0			
Sub Total ==>	2,971	0	2,971	54	1,926	42	0	0.00	0	0	0.00	Auxiliary	810	810			
Ceiling Load	5	-5	0	0	4	0	-15	0.00	-15	0	0.00	Leakage Dwn	0	0			
Ventilation Load	0	0	444	8	0	0	0	45.76	0	-1,942	45.76	Leakage Ups	0	0			
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	ENGINEERING CKS					
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00				% OA	60.0	60.0
Ov/Undr Sizing	1,245	0	1,245	23	1,245	27	0	0.00	0	0	0.00				cfm/ft²	0.48	0.48
Exhaust Heat	0	-30	-30	-1	0	0	0	0.00	0	0	0.00				cfm/ton	417.23	
Sup. Fan Heat	0	104	104	2	0	0	0	0.00	0	0	0.00				ft²/ton	871.43	
Ret. Fan Heat	0	50	50	1	0	0	0	0.00	0	0	0.00				Btu/hr-ft²	13.77	-22.99
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00				No. People	5.9	45.5/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00						
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00						
Grand Total ==>	4,875	32	5,455	100.00	4,541	100.00	-965	100.00	-965	-4,244	100.00						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION							
	Total Capacity		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass ft² (%)	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F				
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb										
Main Clg	0.2	1.8	1.2	62	86.6	64.3	57.6	55.0	52.7	57.6	Floor	129				Main Htg	-1.3	62	55.0	75.0
Aux Clg	0.3	3.7	3.7	810	75.0	63.4	71.8	70.8	62.0	71.8	Part	0				Aux Htg	-5.5	810	70.0	76.3
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0				Preheat	-1.6	62	41.0	60.5
											ExFlr	129				Reheat	-1.7	62	55.0	75.0
Total	0.5	5.5									Roof	0	0	0	Humidif	0.0	0	0.0	0.0	
											Wall	137	36	26	Opt Vent	0.0	0	0.0	0.0	
											Ext Door	0	0	0	Total	-8.5				

Room Checksums

By MFIA Inc.

105 CONSULT

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 16		Mo/Hr: 9 / 17		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 94 / 66 / 53		OADB: 87		OADB: 22						SADB	73.0	75.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.1	69.6
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.8	70.0
Envelope Loads				Envelope Loads								Ret/OA	86.6	41.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	1.1	0.0
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	AIRFLOWS		
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	62	62
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	62	62
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	62	62
Floor	-66	0	-66	-1	-52	-1	-118	3.47	-118	-118	3.47	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	37	37
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	37	37
Sub Total ==>	-66	0	-66	-1	-52	-1	-118	3.47	-118	-118	3.47	Infil	0	0
Internal Loads				Internal Loads								MinStop/Rh	62	62
Lights	300	0	300	6	313	8	0	0.00	0	0	0.00	Return	62	62
People	2,337	0	2,337	47	1,431	38	0	0.00	0	0	0.00	Exhaust	37	37
Misc	395	0	395	8	413	11	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	3,031	0	3,031	61	2,157	57	0	0.00	0	0	0.00	Auxiliary	806	806
Ceiling Load				Ceiling Load								Leakage Dwn	0	0
Ventilation Load	0	-5	0	0	4	0	-15	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	220	4	0	0	0	56.90	0	-1,931	56.90	ENGINEERING CKS		
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	60.0	60.0
Ov/Undr Sizing	1,679	0	1,679	34	1,679	44	0	0.00	0	0	0.00	cfm/ft²	0.48	0.48
Exhaust Heat	0	-30	-30	-1	0	0	0	0.00	0	0	0.00	cfm/ton	439.78	
Sup. Fan Heat	0	103	103	2	0	0	0	0.00	0	0	0.00	ft²/ton	918.54	
Ret. Fan Heat	0	50	50	1	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	13.06	-30.07
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	5.8	45.5/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	4,649	15	4,987	100.00	3,788	100.00	-133	100.00	-3,393	100.00	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	Ent	Lvg	Capacity	Coil Airflow	Ent	Lvg
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								
Main Clg	0.1	1.7	1.3	62	86.6	65.1	61.1	55.0	53.6	61.1	Floor	129		Main Htg	-1.3	62	55.0	75.0
Aux Clg	0.3	3.7	3.7	806	75.0	63.4	71.8	70.8	62.0	71.8	Part	0		Aux Htg	-5.5	806	70.0	76.3
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	-2.5	62	41.0	71.5
Total	0.4	5.3									ExFlr	129		Reheat	-1.7	62	55.0	75.0
											Roof	0	0	Humidif	0.0	0	0.0	0.0
											Wall	0	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	Total	-9.4			

Room Checksums

By MFIA Inc.

106 TEACHING KITCHEN

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 8 / 16		Mo/Hr: 8 / 17		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 94 / 65 / 49		OADB: 92		OADB: 22			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Tot Sens Btu/h		75.1	86.8	0.2	0.4	1.1	
Envelope Loads				Envelope Loads										
Skylite Solar	0	0	0	0	0	0	0	0.00	60.8	75.0	0.0	0.0	0.0	
Skylite Cond	0	0	0	0	0	0	0	0.00	75.1	69.6	0.0	0.0	0.0	
Roof Cond	0	0	0	0	0	0	0	0.00	75.8	70.0	0.0	0.0	0.0	
Glass Solar	4,899	0	4,899	14	4,816	17	0	0.00	86.8	41.0	0.0	0.0	0.0	
Glass/Door Cond	905	0	905	3	841	3	-2,310	8.76	0.2	0.0	0.0	0.0	0.0	
Wall Cond	732	89	820	2	904	3	-1,838	7.81	0.4	0.0	0.0	0.0	0.0	
Partition/Door	0	0	0	0	0	0	0	0.00	0.2	0.0	0.0	0.0	0.0	
Floor	-758	0	-758	-2	-758	-3	-1,667	6.32	0.4	0.0	0.0	0.0	0.0	
Adjacent Floor	0	0	0	0	0	0	0	0.00	0.4	0.0	0.0	0.0	0.0	
Infiltration	0	0	0	0	0	0	0	0.00	1.1	0.0	0.0	0.0	0.0	
Sub Total ==>	5,777	89	5,865	17	5,802	20	-5,816	22.88						
Internal Loads				Internal Loads										
Lights	4,170	0	4,170	12	4,406	15	0	0.00						
People	10,637	0	10,637	31	6,067	21	0	0.00						
Misc	5,528	0	5,528	16	5,839	20	0	0.00						
Sub Total ==>	20,335	0	20,335	60	16,312	57	0	0.00						
Ceiling Load	70	-70	0	0	61	0	-211	0.00						
Ventilation Load	0	0	612	2	0	0	0	45.69						
Adj Air Trans Heat	0	0	0	0	0	0	0	0						
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00						
Ov/Undr Sizing	6,552	0	6,552	19	6,552	23	0	0.00						
Exhaust Heat	0	-187	-187	-1	0	0	0	0.00						
Sup. Fan Heat	0	644	644	2	0	0	0	0.00						
Ret. Fan Heat	0	312	312	1	0	0	-8,304	31.47						
Duct Heat Pkup	0	0	0	0	0	0	12	-0.05						
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00						
Supply Air Leakage	0	0	0	0	0	0	0	0.00						
Grand Total ==>	32,734	144	34,134	100.00	28,727	100.00	-6,026	100.00						

AIRFLOWS		
	Cooling	Heating
Diffuser	384	384
Terminal	384	384
Main Fan	384	384
Sec Fan	0	0
Nom Vent	231	231
AHU Vent	231	231
Infil	0	0
MinStop/Rh	384	384
Return	384	384
Exhaust	231	231
Rm Exh	0	0
Auxiliary	4,958	4,958
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	60.0	60.0
cfm/ft²	0.21	0.21
cfm/ton	407.61	
ft²/ton	1,930.76	
Btu/hr-ft²	6.22	-9.77
No. People	24.3	13.3/1000 ft²

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	°F	gr/lb
Main Clg	0.9	11.3	10.6	384	86.8	64.8	59.7	55.0	53.3	59.7
Aux Clg	1.9	22.8	22.8	4,958	75.0	63.4	71.8	70.7	62.0	71.8
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	2.8	34.1								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	1,820		
Part	0		
Int Door	0		
ExFlr	1,820		
Roof	0	0	0
Wall	864	143	17
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	-8.3	384	55.0	75.0
Aux Htg	-34.3	4,958	70.0	76.4
Preheat	-9.5	384	41.0	59.2
Reheat	-10.4	384	55.0	75.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-52.1			

Room Checksums

By MFIA Inc.

107 ELECT

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 0 / 0		Mo/Hr: 0 / 0		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 0 / 0 / 0		OADB: 0		OADB: 22			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Tot Sens Btu/h							
Envelope Loads				Envelope Loads										
Skylite Solar	0	0	0	0	0	0	0	0.00						
Skylite Cond	0	0	0	0	0	0	0	0.00						
Roof Cond	0	0	0	0	0	0	0	0.00						
Glass Solar	0	0	0	0	0	0	0	0.00						
Glass/Door Cond	0	0	0	0	0	0	0	0.00						
Wall Cond	0	0	0	0	0	0	0	0.00						
Partition/Door	0	0	0	0	0	0	0	0.00						
Floor	0	0	0	0	0	-49	-49	63.34						
Adjacent Floor	0	0	0	0	0	0	0	0.00						
Infiltration	0	0	0	0	0	0	0	0.00						
<i>Sub Total ==></i>	0	0	0	0	0	-49	-49	63.34						
Internal Loads				Internal Loads										
Lights	0	0	0	0	0	0	0	0.00						
People	0	0	0	0	0	0	0	0.00						
Misc	0	0	0	0	0	0	0	0.00						
<i>Sub Total ==></i>	0	0	0	0	0	0	0	0.00						
Ceiling Load	0	0	0	0	0	-28	0	0.00						
Ventilation Load	0	0	0	0	0	0	0	0.00						
Adj Air Trans Heat	0	0	0	0	0	0	0	0						
Dehumid. Ov Sizing			0	0		0	0	0.00						
Ov/Undr Sizing	0		0	0	0	0	0	0.00						
Exhaust Heat		0	0	0		0	0	0.00						
Sup. Fan Heat			0	0		0	0	0.00						
Ret. Fan Heat			0	0		0	0	0.00						
Duct Heat Pkup			0	0		0	-28	36.66						
Underflr Sup Ht Pkup			0	0		0	0	0.00						
Supply Air Leakage			0	0		0	0	0.00						
Grand Total ==>	0	0	0	100.00	0	100.00	-77	-77	100.00					

AIRFLOWS		
	Cooling	Heating
Diffuser	0	0
Terminal	0	0
Main Fan	0	0
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	0	0
MinStop/Rh	0	0
Return	0	0
Exhaust	0	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft²	0.00	0.00
cfm/ton	0.00	
ft²/ton	0.00	
Btu/hr-ft²	0.00	0.00
No. People	0.2	3.3/1000 ft²

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	°F	gr/lb
Main Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	53		
Part	0		
Int Door	0		
ExFlr	53		
Roof	0	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	0.0	0	68.3	70.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	0.0			

Room Checksums

By MFIA Inc.

108 SMALL GROUP

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES					
Peaked at Time:		Mo/Hr: 8 / 16		Mo/Hr: 9 / 17		Mo/Hr: Heating Design						Cooling	Heating				
Outside Air:		OADB/WB/HR: 94 / 65 / 49		OADB: 87		OADB: 22						SADB	61.2	75.0			
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.1	69.6			
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.8	70.0			
Envelope Loads				Envelope Loads								Ret/OA	86.8	41.0			
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0			
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0			
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	1.1	0.0			
Glass Solar	2,110	0	2,110	20	2,310	27	0	0.00	0	0	0.00	AIRFLOWS					
Glass/Door Cond	226	0	226	2	149	2	-578	8.00	-578	-578	8.00				Diffuser	116	116
Wall Cond	65	9	75	1	100	1	-251	3.97	-286	-286	3.97				Terminal	116	116
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00				Main Fan	116	116
Floor	-101	-101	-101	-1	-99	-1	-222	3.07	-222	-222	3.07				Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00				Nom Vent	70	70
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00				AHU Vent	70	70
<i>Sub Total ==></i>	2,301	9	2,310	22	2,460	29	-1,050	15.04	-1,086	-1,086	15.04				Infil	0	0
Internal Loads				Internal Loads											MinStop/Rh	116	116
Lights	554	0	554	5	586	7	0	0.00	0	0	0.00				Return	116	116
People	4,274	0	4,274	41	2,695	31	0	0.00	0	0	0.00	Exhaust	70	70			
Misc	735	0	735	7	776	9	0	0.00	0	0	0.00	Rm Exh	0	0			
<i>Sub Total ==></i>	5,564	0	5,564	53	4,057	47	0	0.00	0	0	0.00	Auxiliary	1,528	1,528			
Ceiling Load				Ceiling Load								Leakage Dwn	0	0			
Ventilation Load	0	-9	0	0	8	0	-28	0.00	0	0	0.00	Leakage Ups	0	0			
Adj Air Trans Heat	0	0	291	3	0	0	0	50.37	-3,636	-3,636	50.37	ENGINEERING CKS					
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00				% OA	60.0	60.0
Ov/Undr Sizing	2,085	-56	2,085	20	2,085	24	0	0.00	0	0	0.00				cfm/ft²	0.48	0.48
Exhaust Heat			-56	-1			0	0.00	0	0	0.00				cfm/ton	386.30	
Sup. Fan Heat			194	2			0	0.00	0	0	0.00				ft²/ton	806.82	
Ret. Fan Heat		94	94	1			-2,504	34.69	-2,504	-2,504	34.69				Btu/hr-ft²	14.87	-22.44
Duct Heat Pkup		0	0	0			7	-0.10	7	7	-0.10				No. People	11.0	45.5/1000 ft²
Underflr Sup Ht Pkup		0	0	0			0	0.00	0	0	0.00						
Supply Air Leakage		0	0	0			0	0.00	0	0	0.00						
<i>Grand Total ==></i>	9,959	37	10,482	100.00	8,610	100.00	-1,078	100.00	-7,219	-7,219	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
Main Clg	0.3	3.6	3.0	116	86.8	64.7	58.8	55.0	53.0	58.8	Floor	242		Main Htg	-2.5	116	55.0	75.0	
Aux Clg	0.6	6.9	6.9	1,528	75.0	63.4	71.8	70.8	62.0	71.8	Part	0		Aux Htg	-10.3	1,528	70.0	76.3	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	-2.9	116	41.0	59.7	
											ExFlr	242		Reheat	-3.1	116	55.0	75.0	
Total	0.9	10.5									Roof	0	0	Humidif	0.0	0	0.0	0.0	
											Wall	136	36	26	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	Total	-15.8			

Room Checksums

By MFIA Inc.

109 LARGE GROUP

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES						
Peaked at Time:		Mo/Hr: 8 / 16		Mo/Hr: 9 / 17		Mo/Hr: Heating Design						Cooling	Heating					
Outside Air:		OADB/WB/HR: 94 / 65 / 49		OADB: 87		OADB: 22						SADB	62.9	75.0				
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.1	69.6				
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.8	70.0				
Envelope Loads				Envelope Loads								Ret/OA	86.8	41.0				
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0				
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0				
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	1.1	0.0				
Glass Solar	3,166	0	3,166	14	3,464	18	0	0.00	0	0	0.00	AIRFLOWS						
Glass/Door Cond	339	0	339	1	224	1	-866	5.49	-866	-866	5.49				Diffuser	260	260	
Wall Cond	157	20	177	1	239	1	-603	4.30	-678	-678	4.30				Terminal	260	260	
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00				Main Fan	260	260	
Floor	-226	0	-226	-1	-221	-1	-497	3.15	-497	-497	3.15				Sec Fan	0	0	
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00				Nom Vent	156	156	
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00				AHU Vent	156	156	
<i>Sub Total ==></i>	3,436	20	3,455	15	3,706	20	-1,966	12.93	-2,041	-2,041	12.93				Infil	0	0	
Internal Loads				Internal Loads											MinStop/Rh	260	260	
Lights	1,242	0	1,242	5	1,312	7	0	0.00	0	0	0.00				Return	260	260	
People	9,573	0	9,573	41	6,036	32	0	0.00	0	0	0.00	Exhaust	156	156				
Misc	1,646	0	1,646	7	1,739	9	0	0.00	0	0	0.00	Rm Exh	0	0				
<i>Sub Total ==></i>	12,461	0	12,461	54	9,087	48	0	0.00	0	0	0.00	Auxiliary	3,325	3,325				
Ceiling Load	21	-21	0	0	18	0	-63	0.00	0	0	0.00	Leakage Dwn	0	0				
Ventilation Load	0	0	646	3	0	0	0	51.60	-8,144	-8,144	51.60	Leakage Ups	0	0				
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	ENGINEERING CKS						
Dehumid. Ov Sizing			0	0			0	0.00			0.00				% OA	60.0	60.0	
Ov/Undr Sizing	6,007		6,007	26	6,007	32	0	0.00			0.00				cfm/ft²	0.48	0.48	
Exhaust Heat		-126	-126	-1			0	0.00			0.00				cfm/ton	405.72		
Sup. Fan Heat			435	2			0	0.00			0.00				ft²/ton	847.38		
Ret. Fan Heat		211	211	1			-5,609	35.54			-5,609				35.54	Btu/hr-ft²	14.16	-23.51
Duct Heat Pkup		0	0	0			12	-0.08			12				-0.08	No. People	24.6	45.5/1000 ft²
Underflr Sup Ht Pkup			0	0			0	0.00			0				0.00			
Supply Air Leakage		0	0	0			0	0.00			0				0.00			
<i>Grand Total ==></i>	21,925	83	23,090	100.00	18,819	100.00	-2,029	100.00	-15,781	-15,781	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	ft² (%)	Capacity	Coil Airflow	Ent °F	Lvg °F	
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F
Main Clg	0.6	7.7	6.4	260	86.8	64.7	58.8	55.0	53.0	58.8	Floor	542		Main Htg	-5.6	260	55.0	75.0
Aux Clg	1.3	15.4	15.4	3,325	75.0	63.4	71.8	70.7	62.0	71.8	Part	0		Aux Htg	-23.2	3,325	70.0	76.5
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	-7.1	260	41.0	61.3
Total	1.9	23.1									ExFlr	542		Reheat	-7.0	260	55.0	75.0
											Roof	0	0	Humidif	0.0	0	0.0	0.0
											Wall	291	54	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	Total	-35.9			

Room Checksums

By MFIA Inc.

111 MENS

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 9 / 17		Mo/Hr: 9 / 17		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Cooling	Heating	
Outside Air:		OADB/WB/HR: 87 / 60 / 38		OADB: 87		OADB: 87		OADB: 22		OADB: 22		SADB	55.0	75.0
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.1	69.6
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	75.8	70.0
Envelope Loads				Envelope Loads				Envelope Loads				Ret/OA	82.2	41.8
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	1.1	0.0
Glass Solar	1,160	0	1,160	66	1,160	68	0	0.00	0	0	0.00	AIRFLOWS		
Glass/Door Cond	75	0	75	4	75	4	-289	17.69	-289	-289	17.69	Diffuser	20	20
Wall Cond	59	8	66	4	59	3	-169	11.70	-169	-191	11.70	Terminal	20	20
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	20	20
Floor	-29	0	-29	-2	-29	-2	-64	3.93	-64	-64	3.93	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	12	12
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	12	12
Sub Total ==>	1,265	8	1,272	72	1,265	74	-522	33.32	-522	-544	33.32	Infil	0	0
Internal Loads				Internal Loads				Internal Loads				MinStop/Rh	20	20
Lights	167	0	167	9	167	10	0	0.00	0	0	0.00	Return	20	20
People	103	0	103	6	56	3	0	0.00	0	0	0.00	Exhaust	12	12
Misc	222	0	222	13	222	13	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	492	0	492	28	445	26	0	0.00	0	0	0.00	Auxiliary	281	281
Ceiling Load	3	-3	0	0	2	0	-8	0.00	-8	0	0.00	Leakage Dwn	0	0
Ventilation Load	0	0	-48	-3	0	0	0	38.30	0	-625	38.30	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	ENGINEERING CKS		
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	58.4	58.4
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	0.29	0.29
Exhaust Heat	0	-10	-10	-1	0	0	0	0.00	0	0	0.00	cfm/ton	354.06	
Sup. Fan Heat	0	0	34	2	0	0	0	0.00	0	0	0.00	ft²/ton	1,209.80	
Ret. Fan Heat	0	17	17	1	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	9.92	-11.44
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	0.2	3.3/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	1,760	12	1,758	100.00	1,713	100.00	-530	100.00	-530	-1,632	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
Main Clg	0.1	0.7	0.7	20	82.2	60.9	48.6	53.5	48.4	44.1	Floor	70			Main Htg	-0.5	20	53.5	75.0
Aux Clg	0.1	1.2	1.2	281	75.0	63.4	71.8	71.0	62.1	71.8	Part	0			Aux Htg	-1.8	281	70.0	76.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0			Preheat	-0.3	20	41.8	53.5
Total	0.2	1.9									ExFlr	70			Reheat	-0.6	20	53.5	75.0
											Roof	0	0	0	Humidif	0.0	0	0.0	0.0
											Wall	85	18	21	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	Total	-2.6			

Room Checksums

By MFIA Inc.

112 WAITING

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 8 / 16		Mo/Hr: 9 / 17		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 94 / 65 / 49		OADB: 87		OADB: 22						SADB	73.0	75.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.1	69.6
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.8	70.0
Envelope Loads				Envelope Loads								Ret/OA	86.8	41.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	1.1	0.0
Glass Solar	1,055	0	1,055	10	1,155	14	0	0.00	0	0	0.00	AIRFLOWS		
Glass/Door Cond	113	0	113	1	75	1	-289	3.21	-289	-289	3.54	Diffuser	137	137
Wall Cond	87	10	96	1	132	2	-332	4.54	-370	-370	4.54	Terminal	137	137
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	137	137
Floor	-119	0	-119	-1	-116	-1	-261	3.21	-261	-261	3.21	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	82	82
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	82	82
Sub Total ==>	1,136	10	1,146	11	1,245	15	-882	11.29	-920	-920	11.29	Infil	0	0
Internal Loads				Internal Loads								MinStop/Rh	137	137
Lights	654	0	654	6	691	8	0	0.00	0	0	0.00	Return	137	137
People	5,040	0	5,040	47	3,178	38	0	0.00	0	0	0.00	Exhaust	82	82
Misc	867	0	867	8	915	11	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	6,560	0	6,560	61	4,784	57	0	0.00	0	0	0.00	Auxiliary	1,767	1,767
Ceiling Load				Ceiling Load								Leakage Dwn	0	0
Ventilation Load	0	0	320	3	0	0	0	0.00	-4,287	-4,287	52.57	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	ENGINEERING CKS		
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	60.0	60.0
Ov/Undr Sizing	2,372	0	2,372	22	2,372	28	0	0.00	0	0	0.00	cfm/ft²	0.48	0.48
Exhaust Heat	0	-67	-67	-1	0	0	0	0.00	0	0	0.00	cfm/ton	641.20	
Sup. Fan Heat	0	0	229	2	0	0	0	0.00	0	0	0.00	ft²/ton	1,339.21	
Ret. Fan Heat	0	111	111	1	0	0	0	0.00	-2,953	-2,953	36.21	Btu/hr-ft²	8.96	-30.07
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	5	5	-0.06	No. People	13.0	45.5/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	10,079	43	10,672	100.00	8,411	100.00	-915	100.00	-8,156	-8,156	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 °F	Lvg °F
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F							
Main Clg	0.2	2.6	1.9	137	86.8	64.7	59.0	55.0	53.1	59.0	Floor	285					
Aux Clg	0.7	8.1	8.1	1,767	75.0	63.4	71.8	70.8	62.0	71.8	Part	0					
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0					
Total	0.9	10.7									ExFlr	285					
											Roof	0	0	0			
											Wall	147	18	12			
											Ext Door	0	0	0			
											Total	-20.8					

Room Checksums

By MFIA Inc.

113 SMALL GROUP

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES					
Peaked at Time:		Mo/Hr: 8 / 16		Mo/Hr: 9 / 17		Mo/Hr: Heating Design						Cooling	Heating				
Outside Air:		OADB/WB/HR: 94 / 65 / 49		OADB: 87		OADB: 22						SADB	61.6	75.0			
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.1	69.6			
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.8	70.0			
Envelope Loads				Envelope Loads				Envelope Loads				Ret/OA	86.8	41.0			
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0			
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0			
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	1.1	0.0			
Glass Solar	2,110	0	2,110	19	2,310	25	0	0.00	0	0	0.00	AIRFLOWS					
Glass/Door Cond	226	0	226	2	149	2	-578	7.43	-578	-578	7.43				Diffuser	125	125
Wall Cond	72	10	82	1	110	1	-277	4.04	-314	-314	4.04				Terminal	125	125
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00				Main Fan	125	125
Floor	-109	0	-109	-1	-107	-1	-240	3.09	-240	-240	3.09				Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00				Nom Vent	75	75
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00				AHU Vent	75	75
Sub Total ==>	2,299	10	2,309	20	2,462	27	-1,094	14.56	-1,132	-1,132	14.56				Infil	0	0
Internal Loads				Internal Loads				Internal Loads							MinStop/Rh	125	125
Lights	600	0	600	5	634	7	0	0.00	0	0	0.00				Return	125	125
People	4,627	0	4,627	41	2,918	31	0	0.00	0	0	0.00	Exhaust	75	75			
Misc	796	0	796	7	841	9	0	0.00	0	0	0.00	Rm Exh	0	0			
Sub Total ==>	6,024	0	6,024	53	4,393	47	0	0.00	0	0	0.00	Auxiliary	1,639	1,639			
Ceiling Load				Ceiling Load				Ceiling Load				Leakage Dwn	0	0			
Ventilation Load	0	-10	0	0	9	0	-30	0.00	0	0	0.00	Leakage Ups	0	0			
Adj Air Trans Heat	0	0	315	3	0	0	0	50.65	-3,937	-3,937	50.65	ENGINEERING CKS					
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00				% OA	60.0	60.0
Ov/Undr Sizing	2,405	0	2,405	21	2,405	26	0	0.00	0	0	0.00				cfm/ft²	0.48	0.48
Exhaust Heat	0	-61	-61	-1	0	0	0	0.00	0	0	0.00				cfm/ton	390.77	
Sup. Fan Heat	0	0	210	2	0	0	0	0.00	0	0	0.00				ft²/ton	816.17	
Ret. Fan Heat	0	102	102	1	0	0	0	0.00	-2,711	-2,711	34.88				Btu/hr-ft²	14.70	-22.69
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	7	7	-0.09				No. People	11.9	45.5/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00						
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00						
Grand Total ==>	10,738	40	11,303	100.00	9,268	100.00	-1,125	100.00	-7,772	-7,772	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
Main Clg	0.3	3.9	3.3	125	86.8	64.7	58.8	55.0	53.0	58.8	Floor	262		Main Htg	-2.7	125	55.0	75.0	
Aux Clg	0.6	7.5	7.5	1,639	75.0	63.4	71.8	70.8	62.0	71.8	Part	0		Aux Htg	-11.2	1,639	70.0	76.3	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	-3.2	125	41.0	60.1	
											ExFlr	262		Reheat	-3.4	125	55.0	75.0	
Total	0.9	11.3									Roof	0	0	Humidif	0.0	0	0.0	0.0	
											Wall	146	36	24	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	Total	-17.1			

Room Checksums

By MFIA Inc.

114 SMALL GROUP

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES					
Peaked at Time:		Mo/Hr: 8 / 16		Mo/Hr: 9 / 17		Mo/Hr: Heating Design						Cooling	Heating				
Outside Air:		OADB/WB/HR: 94 / 65 / 49		OADB: 87		OADB: 22						SADB	61.6	75.0			
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.1	69.6			
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.8	70.0			
Envelope Loads				Envelope Loads								Ret/OA	86.8	41.0			
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0			
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0			
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	1.1	0.0			
Glass Solar	2,110	0	2,110	19	2,310	25	0	0.00	0	0	0.00	AIRFLOWS					
Glass/Door Cond	226	0	226	2	149	2	-578	7.41	-578	-578	7.41				Diffuser	126	126
Wall Cond	72	10	82	1	110	1	-278	4.04	-315	-315	4.04				Terminal	126	126
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00				Main Fan	126	126
Floor	-110	-1	-110	-1	-107	-1	-241	3.09	-241	-241	3.09				Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00				Nom Vent	76	76
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00				AHU Vent	76	76
Sub Total ==>	2,299	10	2,309	20	2,462	26	-1,096	14.54	-1,096	-1,134	14.54				Infil	0	0
Internal Loads				Internal Loads											MinStop/Rh	126	126
Lights	603	0	603	5	637	7	0	0.00	0	0	0.00				Return	126	126
People	4,645	0	4,645	41	2,929	31	0	0.00	0	0	0.00	Exhaust	76	76			
Misc	799	0	799	7	844	9	0	0.00	0	0	0.00	Rm Exh	0	0			
Sub Total ==>	6,047	0	6,047	53	4,409	47	0	0.00	0	0	0.00	Auxiliary	1,645	1,645			
Ceiling Load	10	-10	0	0	9	0	-30	0.00	0	0	0.00	Leakage Dwn	0	0			
Ventilation Load	0	0	316	3	0	0	0	50.66	-3,952	-3,952	50.66	Leakage Ups	0	0			
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	ENGINEERING CKS					
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00				% OA	60.0	60.0
Ov/Undr Sizing	2,421	21	2,421	21	2,421	26	0	0.00	0	0	0.00				cfm/ft²	0.48	0.48
Exhaust Heat	0	-61	-61	-1	0	0	0	0.00	0	0	0.00				cfm/ton	390.98	
Sup. Fan Heat	0	211	211	2	0	0	0	0.00	0	0	0.00				ft²/ton	816.60	
Ret. Fan Heat	0	102	102	1	0	0	0	0.00	-2,722	-2,722	34.89				Btu/hr-ft²	14.70	-22.70
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	7	7	-0.09				No. People	12.0	45.5/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00						
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00						
Grand Total ==>	10,777	41	11,345	100.00	9,301	100.00	-1,127	100.00	-1,127	-7,800	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	Lvg	Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F	gr/lb
Main Clg	0.3	3.9	3.3	126	86.8	64.7	58.8	55.0	53.0	58.8	Floor	263		Main Htg	-2.7	126	55.0	75.0	
Aux Clg	0.6	7.5	7.5	1,645	75.0	63.4	71.8	70.8	62.0	71.8	Part	0		Aux Htg	-11.2	1,645	70.0	76.3	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	-3.3	126	41.0	60.1	
Total	0.9	11.3									ExFlr	263		Reheat	-3.4	126	55.0	75.0	
											Roof	0	0	Humidif	0.0	0	0.0	0.0	
											Wall	146	36	24	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	Total	-17.2			

Room Checksums

By MFIA Inc.

115 STORAGE

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 8 / 17		Mo/Hr: 8 / 17		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Cooling	Heating	
Outside Air:		OADB/WB/HR: 92 / 64 / 46		OADB: 92		OADB: 92		OADB: 22		OADB: 22		SADB	55.0	75.0
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.1	69.6
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	75.8	70.0
Envelope Loads				Envelope Loads				Envelope Loads				Fn MtrTD	0.2	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	1.1	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	AIRFLOWS		
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	12	12
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	12	12
Wall Cond	78	8	86	7	78	8	-184	20.58	-184	-202	20.58	Main Fan	12	12
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	-51	0	-51	-4	-51	-5	-113	11.46	-113	-113	11.46	Nom Vent	7	7
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	7	7
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	Infil	0	0
Sub Total ==>	27	8	35	3	27	3	-297	32.04	-297	-315	32.04	MinStop/Rh	12	12
Internal Loads				Internal Loads				Internal Loads				Return	12	12
Lights	298	0	298	25	298	30	0	0.00	0	0	0.00	Exhaust	7	7
People	184	0	184	16	102	10	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	394	0	394	34	394	40	0	0.00	0	0	0.00	Auxiliary	245	245
Sub Total ==>	876	0	876	75	794	80	0	0.00	0	0	0.00	Leakage Dwn	0	0
Ceiling Load				Ceiling Load				Ceiling Load				Leakage Ups	0	0
Ventilation Load	0	-5	0	0	4	0	-14	0.00	-14	0	0.00	ENGINEERING CKS		
Adj Air Trans Heat	0	0	63	5	0	0	0	39.25	0	-386	39.25	% OA	60.0	60.0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	0.10	0.10
Ov/Undr Sizing	170	0	170	15	170	17	0	0.00	0	0	0.00	cfm/ton	336.29	
Exhaust Heat	0	-6	-6	-1	0	0	0	0.00	0	0	0.00	ft²/ton	3,362.87	
Sup. Fan Heat	0	0	21	2	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	3.57	-4.02
Ret. Fan Heat	0	10	10	1	0	0	0	0.00	0	0	0.00	No. People	0.4	3.3/1000 ft²
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	1,078	7	1,169	100.00	996	100.00	-311	100.00	-311	-983	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	ft² (%)	Capacity	Coil Airflow	Ent °F	Lvg °F				
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F	gr/lb	MBh	cfm
Main Clg	0.0	0.4	0.4	12	85.4	62.7	51.4	53.5	49.9	49.4	Floor	123					Main Htg	-0.3	12	53.5	75.0
Aux Clg	0.1	0.7	0.7	245	75.0	63.4	71.8	72.2	62.5	71.8	Part	0					Aux Htg	-1.1	245	70.0	74.2
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0					Preheat	-0.2	12	41.0	53.5
Total	0.1	1.2									ExFlr	123					Reheat	-0.4	12	53.5	75.0
											Roof	0	0	0			Humidif	0.0	0	0.0	0.0
											Wall	71	0	0			Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0			Total	-1.6			

Room Checksums

By MFIA Inc.

116 SMALL GROUP

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 8 / 16			Mo/Hr: 9 / 17		Mo/Hr: Heating Design										
Outside Air:		OADB/WB/HR: 94 / 65 / 49			OADB: 87		OADB: 22										
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Cooling	Heating				
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)						
Envelope Loads					Envelope Loads										AIRFLOWS		
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00			Diffuser	133	133	
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00			Terminal	133	133	
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00			Main Fan	133	133	
Glass Solar	2,110	0	2,110	18	2,310	24	0	0.00	0	0	0.00			Sec Fan	0	0	
Glass/Door Cond	226	0	226	2	149	2	-578	7.04	-578	-578	7.04			Nom Vent	80	80	
Wall Cond	82	11	92	1	124	1	-314	4.33	-355	-355	4.33			AHU Vent	80	80	
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00			Infil	0	0	
Floor	-115	0	-115	-1	-113	-1	-254	3.09	-254	-254	3.09			MinStop/Rh	133	133	
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			Return	133	133	
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00			Exhaust	80	80	
Sub Total ==>	2,303	11	2,313	19	2,470	25	-1,145	14.46	-1,186	-1,186	14.46			Rm Exh	0	0	
Internal Loads					Internal Loads										ENGINEERING CKS		
Lights	635	0	635	5	671	7	0	0.00	0	0	0.00			% OA	60.0	60.0	
People	4,892	0	4,892	41	3,085	32	0	0.00	0	0	0.00			cfm/ft²	0.48	0.48	
Misc	841	0	841	7	889	9	0	0.00	0	0	0.00			cfm/ton	393.77		
Sub Total ==>	6,369	0	6,369	53	4,644	48	0	0.00	0	0	0.00			ft²/ton	822.43		
Ceiling Load	11	-11	0	0	9	0	-32	0.00	0	0	0.00			Btu/hr-ft²	14.59	-22.85	
Ventilation Load	0	0	332	3	0	0	0	50.72	-4,162	-4,162	50.72			No. People	12.6	45.5/1000 ft²	
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0						
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00						
Ov/Undr Sizing	2,640	0	2,640	22	2,640	27	0	0.00	0	0	0.00						
Exhaust Heat	0	-65	-65	-1	0	0	0	0.00	0	0	0.00						
Sup. Fan Heat	0	0	222	2	0	0	0	0.00	0	0	0.00						
Ret. Fan Heat	0	108	108	1	0	0	0	0.00	-2,866	-2,866	34.93						
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	9	9	-0.11						
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00						
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00						
Grand Total ==>	11,322	43	11,920	100.00	9,763	100.00	-1,177	100.00	-8,205	-8,205	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	Lvg	Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F
Main Clg	0.3	4.0	3.4	133	86.8	64.7	58.8	55.0	53.0	58.8	Floor	277		Main Htg	-2.9	133	55.0	75.0
Aux Clg	0.7	7.9	7.9	1,722	75.0	63.4	71.8	70.8	62.0	71.8	Part	0		Aux Htg	-11.8	1,722	70.0	76.4
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	-3.5	133	41.0	60.3
Total	1.0	11.9									ExFlr	277		Reheat	-3.6	133	55.0	75.0
											Roof	0	0	Humidif	0.0	0	0.0	0.0
											Wall	160	36	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	Total	-18.2			

Room Checksums

By MFIA Inc.

117 LARGE GROUP

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 8 / 16		Mo/Hr: 9 / 17		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 94 / 65 / 49		OADB: 87		OADB: 22						SADB	73.0	75.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.1	69.6
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.8	70.0
Envelope Loads				Envelope Loads								Ret/OA	86.8	41.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	1.1	0.0
Glass Solar	2,110	0	2,110	12	2,310	17	0	0.00	0	0	0.00	AIRFLOWS		
Glass/Door Cond	226	0	226	1	149	1	-578	4.32	-578	-578	4.32	Diffuser	222	222
Wall Cond	144	17	161	1	219	2	-552	4.62	-617	-617	4.62	Terminal	222	222
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	222	222
Floor	-193	0	-193	-1	-189	-1	-424	3.18	-424	-424	3.18	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	133	133
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	133	133
Sub Total ==>	2,287	17	2,304	13	2,489	18	-1,554	12.12	-1,619	-1,619	12.12	Infil	0	0
Internal Loads				Internal Loads								MinStop/Rh	222	222
Lights	1,061	0	1,061	6	1,121	8	0	0.00	0	0	0.00	Return	222	222
People	8,178	0	8,178	47	5,156	38	0	0.00	0	0	0.00	Exhaust	133	133
Misc	1,406	0	1,406	8	1,485	11	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	10,645	0	10,645	62	7,762	57	0	0.00	0	0	0.00	Auxiliary	2,842	2,842
Ceiling Load	18	-18	0	0	16	0	-54	0.00	0	0	0.00	Leakage Dwn	0	0
Ventilation Load	0	0	520	3	0	0	0	52.09	-6,957	-6,957	52.09	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	ENGINEERING CKS		
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	60.0	60.0
Ov/Undr Sizing	3,380	0	3,380	20	3,380	25	0	0.00	0	0	0.00	cfm/ft²	0.48	0.48
Exhaust Heat	0	-108	-108	-1	0	0	0	0.00	0	0	0.00	cfm/ton	644.94	
Sup. Fan Heat	0	0	372	2	0	0	0	0.00	0	0	0.00	ft²/ton	1,347.02	
Ret. Fan Heat	0	180	180	1	0	0	0	0.00	-4,791	-4,791	35.87	Btu/hr-ft²	8.91	-30.07
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	11	11	-0.08	No. People	21.0	45.5/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	16,330	71	17,292	100.00	13,647	100.00	-1,607	100.00	-13,355	-13,355	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
Main Clg	0.3	4.1	3.1	222	86.8	64.7	59.0	55.0	53.1	59.0	Floor	463		Main Htg	-4.8	222	55.0	75.0	
Aux Clg	1.1	13.2	13.2	2,842	75.0	63.4	71.8	70.7	62.0	71.8	Part	0		Aux Htg	-19.8	2,842	70.0	76.5	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	-9.1	222	41.0	71.5	
Total	1.4	17.3									ExFlr	463		Reheat	-6.0	222	55.0	75.0	
											Roof	0	0	Humidif	0.0	0	0.0	0.0	
											Wall	252	36	14	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	Total	-33.7			

Room Checksums

By MFIA Inc.

118 BREAK

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES				
Peaked at Time:		Mo/Hr: 8 / 17			Mo/Hr: 9 / 17		Mo/Hr: Heating Design			Mo/Hr: Heating Design			Cooling			Heating			
Outside Air:		OADB/WB/HR: 92 / 64 / 46			OADB: 87		OADB: 22			OADB: 22			SADB			Ra Plenum			
	Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Return	Fn MtrTD	Fn BldTD	Fn Frict			
	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	Btu/h	Btu/h			
Envelope Loads					Envelope Loads										AIRFLOWS				
Skylite Solar	0	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	46	46				
Skylite Cond	0	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	46	46				
Roof Cond	0	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	46	46				
Glass Solar	2,068	0	2,068	48	2,320	61	0	0	0.00	0	0	0.00	Sec Fan	0	0				
Glass/Door Cond	210	0	210	5	150	4	-578	-578	16.64	-578	-578	16.64	Nom Vent	23	23				
Wall Cond	140	17	157	4	102	3	-453	-508	14.62	-453	-508	14.62	AHU Vent	23	23				
Partition/Door	0	0	0	0	0	0	0	0	0.00	0	0	0.00	Infil	0	0				
Floor	-73	0	-73	-2	-72	-2	-161	-161	4.65	-161	-161	4.65	MinStop/Rh	46	46				
Adjacent Floor	0	0	0	0	0	0	0	0	0.00	0	0	0.00	Return	46	46				
Infiltration	0	0	0	0	0	0	0	0	0.00	0	0	0.00	Exhaust	23	23				
Sub Total ==>	2,345	17	2,362	55	2,500	66	-1,191	-1,247	35.91	-1,191	-1,247	35.91	Rm Exh	0	0				
Internal Loads					Internal Loads										ENGINEERING CKS				
Lights	420	0	420	10	420	11	0	0	0.00	0	0	0.00	% OA	49.4	49.4				
People	543	0	543	13	297	8	0	0	0.00	0	0	0.00	cfm/ft²	0.26	0.26				
Misc	560	0	560	13	560	15	0	0	0.00	0	0	0.00	cfm/ton	357.86					
Sub Total ==>	1,523	0	1,523	36	1,277	34	0	0	0.00	0	0	0.00	ft²/ton	1,371.35					
Ceiling Load	7	-7	0	0	6	0	-20	0	0.00	-20	0	0.00	Btu/hr-ft²	8.75	-8.68				
Ventilation Load	0	0	291	7	0	0	0	-1,189	34.25	0	-1,189	34.25	No. People	1.2	7.0/1000 ft²				
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	0							
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0	0.00	0	0	0.00							
Ov/Undr Sizing	0	0	0	0	0	0	0	0	0.00	0	0	0.00							
Exhaust Heat	0	-18	-18	0	0	0	0	0	0.00	0	0	0.00							
Sup. Fan Heat	0	0	77	2	0	0	0	0	0.00	0	0	0.00							
Ret. Fan Heat	0	37	37	1	0	0	0	0	0.00	0	0	0.00							
Duct Heat Pkup	0	0	0	0	0	0	0	0	0.00	0	0	0.00							
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0	0.00	0	0	0.00							
Supply Air Leakage	0	0	0	0	0	0	0	0	0.00	0	0	0.00							
Grand Total ==>	3,875	29	4,271	100.00	3,783	100.00	-1,212	-3,471	100.00	-1,212	-3,471	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	MBh	cfm	°F	°F			
Main Clg	0.1	1.5	1.4	46	83.7	61.7	49.7	53.5	49.6	48.2	Floor	176	-1.1	46	53.5	75.0	
Aux Clg	0.2	2.7	2.7	623	75.0	63.4	71.8	70.9	62.0	71.8	Part	0	-4.1	623	70.0	76.1	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	-0.5	46	46.1	53.5	
											ExFlr	176	-1.3	46	53.5	75.0	
Total	0.4	4.3									Roof	0	0.0	0	0.0	0.0	
											Wall	213	0.0	0	0.0	0.0	
											Ext Door	0	-5.6	0	0.0	0.0	
											Total						

Room Checksums

By MFIA Inc.

118A STAFF RR

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES										
Peaked at Time:		Mo/Hr: 7 / 16			Mo/Hr: 9 / 17			Mo/Hr: Heating Design			Cooling			Heating							
Outside Air:		OADB/WB/HR: 94 / 66 / 53			OADB: 87			OADB: 22			SADB			Ra Plenum							
											Return			Ret/OA							
											Fn MtrTD			Fn BldTD							
											Fn Frict										
Space Sens. + Lat.		Plenum Sens. + Lat		Net Total		Percent Of Total (%)		Space Sensible		Percent Of Total (%)		Space Peak		Coil Peak		Percent Of Total (%)					
Btu/h		Btu/h		Btu/h		Btu/h		Btu/h		Btu/h		Btu/h		Btu/h		Btu/h					
Envelope Loads																					
Skylite Solar		0		0		0		0		0		Skylite Solar		0		0.00					
Skylite Cond		0		0		0		0		0		Skylite Cond		0		0.00					
Roof Cond		0		0		0		0		0		Roof Cond		0		0.00					
Glass Solar		0		0		0		0		0		Glass Solar		0		0.00					
Glass/Door Cond		0		0		0		0		0		Glass/Door Cond		0		0.00					
Wall Cond		0		0		0		0		0		Wall Cond		0		0.00					
Partition/Door		0		0		0		0		0		Partition/Door		0		0.00					
Floor		-31		-31		-5		-24		-5		Floor		-55		15.41					
Adjacent Floor		0		0		0		0		0		Adjacent Floor		0		0.00					
Infiltration		0		0		0		0		0		Infiltration		0		0.00					
Sub Total ==>		-31		0		-31		-5		-24		-5		-55		15.41					
Internal Loads																					
Lights		140		0		140		24		146		30		Lights		0		0.00			
People		90		0		90		16		50		10		People		0		0.00			
Misc		184		0		184		32		193		40		Misc		0		0.00			
Sub Total ==>		414		0		414		72		389		80		Sub Total ==>		0		0.00			
Ceiling Load		2		-2		0		0		2		0		Ceiling Load		-7		0.00			
Ventilation Load		0		0		58		10		0		0		Ventilation Load		-155		43.49			
Adj Air Trans Heat		0		0		0		0		0		0		Adj Air Trans Heat		0		0			
Dehumid. Ov Sizing						0		0						Ov/Undr Sizing		0		0.00			
Ov/Undr Sizing		120				120		21		120		25		Exhaust Heat		0		0.00			
Exhaust Heat				-2		-2		0						OA Preheat Diff.		0		0.00			
Sup. Fan Heat						10		2						RA Preheat Diff.		0		0.00			
Ret. Fan Heat				5		5		1						Additional Reheat		-140		39.16			
Duct Heat Pkup				0		0		0						System Plenum Heat		-7		1.95			
Underflr Sup Ht Pkup				0		0		0						Underflr Sup Ht Pkup		0		0.00			
Supply Air Leakage				0		0		0						Supply Air Leakage		0		0.00			
Grand Total ==>		505		0		574		100.00		486		100.00		Grand Total ==>		-62		-357		100.00	

AIRFLOWS		
	Cooling	Heating
Diffuser	6	6
Terminal	6	6
Main Fan	6	6
Sec Fan	0	0
Nom Vent	3	3
AHU Vent	3	3
Infil	0	0
MinStop/Rh	6	6
Return	6	6
Exhaust	3	3
Rm Exh	0	0
Auxiliary	242	242
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	49.4	49.4
cfm/ft²	0.10	0.10
cfm/ton	331.12	
ft²/ton	3,311.22	
Btu/hr-ft²	3.62	-3.33
No. People	0.2	3.3/1000 ft²

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	0.0	0.2	0.2	6	84.7	62.8	53.1	53.5	49.9	49.3
Aux Clg	0.0	0.4	0.4	242	75.0	63.4	71.8	73.6	63.0	71.8
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.1	0.6								

AREAS			
	Gross Total	Glass ft²	(%)
Floor	60		
Part	0		
Int Door	0		
ExFlr	60		
Roof	0	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-0.1	6	53.5	75.0
Aux Htg	-0.5	242	70.0	72.0
Preheat	-0.1	6	46.1	53.5
Reheat	-0.2	6	53.5	75.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-0.7			

Room Checksums

By MFIA Inc.

119 TEAMWORK

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES																
Peaked at Time:		Mo/Hr: 7 / 16		Mo/Hr: 7 / 10		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating															
Outside Air:		OADB/WB/HR: 94 / 66 / 53		OADB: 76		OADB: 22		OADB: 22				SADB	59.2	75.0														
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.1	69.6														
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.8	70.0														
Envelope Loads				Envelope Loads				Envelope Loads				Ret/OA	86.6	41.0														
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0														
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0														
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	1.1	0.0														
Glass Solar	376	0	376	7	1,446	32	0	0.00	0	0	0.00	AIRFLOWS																
Glass/Door Cond	222	0	222	4	-16	0	-579	12.52	-579	-579	12.52				Diffuser	58	58											
Wall Cond	228	27	255	5	5	0	-589	14.22	-589	-658	14.22				Terminal	58	58											
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00				Main Fan	58	58											
Floor	-181	0	-181	-3	-181	-4	-320	6.91	-320	-320	6.91				Sec Fan	0	0											
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00				Nom Vent	35	35											
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00				AHU Vent	35	35											
Sub Total ==>	646	27	673	13	1,254	28	-1,488	33.65	-1,488	-1,557	33.65				Infil	0	0											
Internal Loads				Internal Loads				Internal Loads							MinStop/Rh	58	58											
Lights	846	0	846	16	846	19	0	0.00	0	0	0.00				Return	58	58											
People	1,132	0	1,132	21	555	12	0	0.00	0	0	0.00	Exhaust	35	35														
Misc	1,121	0	1,121	21	1,121	25	0	0.00	0	0	0.00	Rm Exh	0	0														
Sub Total ==>	3,099	0	3,099	58	2,522	56	0	0.00	0	0	0.00	Auxiliary	770	770														
Ceiling Load				Ceiling Load				Ceiling Load				Leakage Dwn	0	0														
Ventilation Load	0	-14	0	0	12	0	-43	0.00	-43	0	0.00	Leakage Ups	0	0														
Adj Air Trans Heat	0	0	760	14	0	0	0	39.62	0	-1,834	39.62	ENGINEERING CKS																
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00				% OA	60.0	60.0											
Ov/Undr Sizing	677	0	677	13	677	15	0	0.00	0	0	0.00				cfm/ft²	0.16	0.16											
Exhaust Heat	0	-28	-28	-1	0	0	0	0.00	0	0	0.00				cfm/ton	378.09												
Sup. Fan Heat	0	0	98	2	0	0	0	0.00	0	0	0.00				ft²/ton	2,388.79												
Ret. Fan Heat	0	0	47	1	0	0	0	0.00	0	0	0.00				Btu/hr-ft²	5.02	-7.00											
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00				No. People	2.6	7.0/1000 ft²											
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00				COOLING COIL SELECTION													
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00							AREAS										
Grand Total ==>	4,436	31	5,325	100.00	4,465	100.00	-1,531	100.00	-1,531	-4,627	100.00										HEATING COIL SELECTION							
COOLING COIL SELECTION				COOLING COIL SELECTION				COOLING COIL SELECTION				AREAS												HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass				Capacity	Coil Airflow	Ent	Lvg															
ton	MBh	MBh	cfm °F °F gr/lb	°F °F gr/lb		ft² (%)				MBh	cfm	°F	°F															
Main Clg	0.2	1.9	1.3	58 86.6 63.2 51.8	55.0 51.2 51.8	Floor	369				Main Htg	-1.3	58	55.0										75.0				
Aux Clg	0.3	3.5	3.5	770 75.0 63.4 71.8	70.8 62.0 71.8	Part	0				Aux Htg	-5.2	770	70.0										76.3				
Opt Vent	0.0	0.0	0.0	0 0.0 0.0 0.0	0.0 0.0 0.0	Int Door	0				Preheat	-1.3	58	41.0										57.7				
Total	0.4	5.3				ExFlr	349				Reheat	-1.6	58	55.0										75.0				
								Roof	0	0	0	Humidif	0.0	0	0.0	0.0												
								Wall	266	36	13	Opt Vent	0.0	0	0.0	0.0												
								Ext Door	0	0	0	Total	-7.8															

Room Checksums

By MFIA Inc.

120 CONSULT

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 10		Mo/Hr: 6 / 9		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 76 / 54 / 30		OADB: 68		OADB: 22						SADB	55.0	75.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.1	69.6
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	75.8	70.0
Envelope Loads				Envelope Loads								Ret/OA	76.0	48.4
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	1.1	0.0
Glass Solar	1,443	0	1,443	61	77	0	0	0.00	0	0	0.00	AIRFLOWS		
Glass/Door Cond	-16	0	-16	-1	-5	-578	-578	25.82	-578	-578	25.82	Diffuser	27	27
Wall Cond	7	1	8	0	-20	-253	-288	12.86	-253	-288	12.86	Terminal	27	27
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	27	27
Floor	-67	0	-67	-3	-87	-118	-118	5.26	-118	-118	5.26	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	12	12
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	12	12
Sub Total ==>	1,368	1	1,369	58	1,541	-949	-984	43.94	-949	-984	43.94	Infil	0	0
Internal Loads				Internal Loads								MinStop/Rh	27	27
Lights	295	0	295	12	248	0	0	0.00	0	0	0.00	Return	27	27
People	373	0	373	16	141	0	0	0.00	0	0	0.00	Exhaust	12	12
Misc	391	0	391	16	353	0	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	1,059	0	1,059	45	742	0	0	0.00	0	0	0.00	Auxiliary	363	363
Ceiling Load	5	-5	0	0	4	-15	0	0.00	-15	0	0.00	Leakage Dwn	0	0
Ventilation Load	0	0	-108	-5	0	0	-639	28.53	0	-639	28.53	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	ENGINEERING CKS		
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	44.7	44.7
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	0.21	0.21
Exhaust Heat	0	-10	-10	0	0	0	0	0.00	0	0	0.00	cfm/ton	436.05	
Sup. Fan Heat	0	0	46	2	0	0	0	0.00	0	0	0.00	ft²/ton	2,050.85	
Ret. Fan Heat	0	22	22	1	0	0	-637	28.44	0	-637	28.44	Btu/hr-ft²	5.85	-6.41
Duct Heat Pkup	0	0	0	0	0	0	20	-0.91	0	20	-0.91	No. People	0.9	7.0/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	2,432	8	2,378	100.00	2,288	-964	-2,240	100.00	-964	-2,240	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	Lvg	Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F	gr/lb
Main Clg	0.1	0.8	0.7	27	76.0	56.3	38.4	53.5	45.4	33.5	Floor	129		Main Htg	-0.6	27	53.5	75.0	
Aux Clg	0.1	1.6	1.6	363	75.0	63.4	71.8	70.9	62.0	71.8	Part	0		Aux Htg	-2.4	363	70.0	76.2	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	-0.2	27	48.4	53.5	
Total	0.2	2.4									ExFlr	129		Reheat	-0.8	27	53.5	75.0	
											Roof	0	0	0	Humidif	0.0	0	0.0	0.0
											Wall	137	36	26	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	Total	-3.3			

Room Checksums

By MFIA Inc.

121 CONSULT

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 16			Mo/Hr: 9 / 17		Mo/Hr: Heating Design						Cooling			Heating		
Outside Air:		OADB/WB/HR: 94 / 66 / 53			OADB: 87		OADB: 22						SADB			Ra Plenum		
	Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent 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	(%)	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	
Envelope Loads					Envelope Loads										AIRFLOWS			
	0	0	0	0	0	0	0	0	0.00	0	0	0.00						
	0	0	0	0	0	0	0	0	0.00	0	0	0.00						
	0	0	0	0	0	0	0	0	0.00	0	0	0.00						
	0	0	0	0	0	0	0	0	0.00	0	0	0.00						
	0	0	0	0	0	0	0	0	0.00	0	0	0.00						
	0	0	0	0	0	0	0	0	0.00	0	0	0.00						
	0	0	0	0	0	0	0	0	0.00	0	0	0.00						
	-67	0	-67	-4	-53	-4	-118	-118	9.73	-118	-118	9.73						
	0	0	0	0	0	0	0	0	0.00	0	0	0.00						
	0	0	0	0	0	0	0	0	0.00	0	0	0.00						
	0	0	0	0	0	0	0	0	0.00	0	0	0.00						
	0	0	0	0	0	0	0	0	0.00	0	0	0.00						
	-67	0	-67	-4	-53	-4	-118	-118	9.73	-118	-118	9.73						
	300	0	300	19	313	25	0	0	0.00	0	0	0.00						
	405	0	405	25	225	18	0	0	0.00	0	0	0.00						
	395	0	395	24	414	33	0	0	0.00	0	0	0.00						
	1,100	0	1,100	68	952	76	0	0	0.00	0	0	0.00						
	5	-5	0	0	4	0	-15	0	0.00	-15	0	0.00						
	0	0	191	12	0	0	0	-639	52.73	0	-639	52.73						
	0	0	0	0	0	0	0	0	0.00	0	0	0.00						
	0	0	0	0	0	0	0	0	0.00	0	0	0.00						
	350	0	350	22	350	28	0	0	0.00	0	0	0.00						
	0	-10	-10	-1	0	0	0	0	0.00	0	0	0.00						
	0	0	34	2	0	0	0	0	0.00	0	0	0.00						
	0	17	17	1	0	0	0	0	0.00	0	0	0.00						
	0	0	0	0	0	0	0	-440	36.32	0	-440	36.32						
	0	0	0	0	0	0	0	-15	1.23	0	-15	1.23						
	0	0	0	0	0	0	0	0	0.00	0	0	0.00						
	0	0	0	0	0	0	0	0	0.00	0	0	0.00						
	1,389	2	1,616	100.00	1,254	100.00	-133	-1,212	100.00	-133	-1,212	100.00						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F	
Main Clg	0.0	0.4	0.3	20	86.6	63.9	55.4	55.0	52.2	55.4	Floor	129	-0.4	20	55.0	75.0	
Aux Clg	0.1	1.2	1.2	280	75.0	63.4	71.8	71.0	62.1	71.8	Part	0	-1.8	280	70.0	76.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	-0.8	20	41.0	71.5	
											ExFlr	129	-0.6	20	55.0	75.0	
Total	0.1	1.6									Roof	0	0.0	0	0.0	0.0	
											Wall	0	0.0	0	0.0	0.0	
											Ext Door	0	0.0	0	0.0	0.0	
													Total	-3.1			

Room Checksums

By MFIA Inc.

122 PRINT

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 16		Mo/Hr: 7 / 17		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 94 / 66 / 53		OADB: 92		OADB: 22			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return <th>Ret/OA <th>Fn MtrTD <th>Fn BldTD <th>Fn Frict </th></th></th></th>	Ret/OA <th>Fn MtrTD <th>Fn BldTD <th>Fn Frict </th></th></th>	Fn MtrTD <th>Fn BldTD <th>Fn Frict </th></th>	Fn BldTD <th>Fn Frict </th>	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Tot Sens Btu/h		75.1	86.6	0.2	0.4	1.1	
Envelope Loads				Envelope Loads										
Skylite Solar	0	0	0	0	0	0	0	0.00						
Skylite Cond	0	0	0	0	0	0	0	0.00						
Roof Cond	0	0	0	0	0	0	0	0.00						
Glass Solar	0	0	0	0	0	0	0	0.00						
Glass/Door Cond	0	0	0	0	0	0	0	0.00						
Wall Cond	59	6	65	17	65	21	-136	40.55						
Partition/Door	0	0	0	0	0	0	0	0.00						
Floor	-12	0	-12	-3	-12	-4	-22	5.97						
Adjacent Floor	0	0	0	0	0	0	0	0.00						
Infiltration	0	0	0	0	0	0	0	0.00						
<i>Sub Total ==></i>	46	6	52	14	52	17	-158	46.52						
Internal Loads				Internal Loads										
Lights	55	0	55	15	57	19	0	0.00						
People	71	0	71	19	37	12	0	0.00						
Misc	73	0	73	19	76	25	0	0.00						
<i>Sub Total ==></i>	199	0	199	53	170	55	0	0.00						
Ceiling Load	1	-1	0	0	1	0	-3	0.00						
Ventilation Load	0	0	35	9	0	0	-119	32.37						
Adj Air Trans Heat	0	0	0	0	0	0	0	0						
Dehumid. Ov Sizing			0	0			0	0.00						
Ov/Undr Sizing	84		84	22	84	27	0	0.00						
Exhaust Heat		-2	-2	0			0	0.00						
Sup. Fan Heat			6	2			0	0.00						
Ret. Fan Heat		3	3	1			-88	24.02						
Duct Heat Pkup		0	0	0			11	-2.91						
Underflr Sup Ht Pkup			0	0			0	0.00						
Supply Air Leakage			0	0			0	0.00						
Grand Total ==>	331	6	378	100.00	307	100.00	-160	-368	100.00					

AIRFLOWS		
	Cooling	Heating
Diffuser	4	4
Terminal	4	4
Main Fan	4	4
Sec Fan	0	0
Nom Vent	2	2
AHU Vent	2	2
Infil	0	0
MinStop/Rh	4	4
Return	4	4
Exhaust	2	2
Rm Exh	0	0
Auxiliary	242	242
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	60.0	60.0
cfm/ft²	0.16	0.16
cfm/ton	297.84	
ft²/ton	1,881.78	
Btu/hr-ft²	6.38	-6.36
No. People	0.2	7.0/1000 ft²

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	°F	gr/lb
Main Clg	0.0	0.2	0.1	4	86.6	63.9	55.5	53.5	49.7	48.8
Aux Clg	0.0	0.2	0.2	242	75.0	63.4	71.8	74.1	63.1	71.8
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.0	0.4								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	24		
Part	0		
Int Door	0		
ExFlr	24		
Roof	0	0	0
Wall	52	0	0
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	-0.1	4	53.5	75.0
Aux Htg	-0.3	242	70.0	71.3
Preheat	-0.1	4	41.0	53.5
Reheat	-0.1	4	53.5	75.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-0.5			

Room Checksums

By MFIA Inc.

123 MEDIUM GROUP

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 16		Mo/Hr: 7 / 11		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 94 / 66 / 53		OADB: 82		OADB: 22						SADB	73.0	75.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.1	69.6
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.8	70.0
Envelope Loads				Envelope Loads								Ret/OA	86.6	41.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	1.1	0.0
Glass Solar	375	0	375	3	1,009	10	0	0.00	0	0	0.00	AIRFLOWS		
Glass/Door Cond	221	0	221	2	43	0	-578	5.62	-578	-578	5.62	Diffuser	169	169
Wall Cond	196	24	221	2	50	0	-401	4.39	-401	-451	4.39	Terminal	169	169
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	169	169
Floor	-182	0	-182	-1	-182	-2	-322	3.14	-322	-322	3.14	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	101	101
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	101	101
Sub Total ==>	611	24	635	5	920	9	-1,301	13.15	-1,301	-1,351	13.15	Infil	0	0
Internal Loads				Internal Loads								MinStop/Rh	169	169
Lights	807	0	807	6	852	8	0	0.00	0	0	0.00	Return	169	169
People	6,217	0	6,217	47	3,920	38	0	0.00	0	0	0.00	Exhaust	101	101
Misc	1,069	0	1,069	8	1,129	11	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	8,093	0	8,093	61	5,901	57	0	0.00	0	0	0.00	Auxiliary	2,184	2,184
Ceiling Load				Ceiling Load								Leakage Dwn	0	0
Ventilation Load	0	0	761	6	0	0	0	51.48	0	-5,289	51.48	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	ENGINEERING CKS		
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	60.0	60.0
Ov/Undr Sizing	3,542	0	3,542	26	3,542	34	0	0.00	0	0	0.00	cfm/ft²	0.48	0.48
Exhaust Heat	0	-82	-82	-1	0	0	0	0.00	0	0	0.00	cfm/ton	570.97	0.00
Sup. Fan Heat	0	0	283	2	0	0	0	0.00	0	0	0.00	ft²/ton	1,192.53	0.00
Ret. Fan Heat	0	137	137	1	0	0	0	0.00	0	-3,642	35.45	Btu/hr-ft²	10.06	-30.07
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	9	-0.09	No. People	16.0	45.5/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	12,259	66	13,369	100.00	10,375	100.00	-1,342	100.00	-1,342	-10,274	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
Main Clg	0.3	3.5	2.4	169	86.6	64.9	60.2	55.0	53.4	60.2	Floor	352		Main Htg	-3.6	169	55.0	75.0	
Aux Clg	0.8	10.0	10.0	2,184	75.0	63.4	71.8	70.8	62.0	71.8	Part	0		Aux Htg	-15.1	2,184	70.0	76.4	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	-6.9	169	41.0	71.5	
Total	1.1	13.6									ExFlr	352		Reheat	-4.6	169	55.0	75.0	
											Roof	0	0	Humidif	0.0	0	0.0	0.0	
											Wall	194	36	18	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	Total	-25.6			

Room Checksums

By MFIA Inc.

124 LARGE GROUP

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES					
Peaked at Time:		Mo/Hr: 7 / 16		Mo/Hr: 7 / 11		Mo/Hr: Heating Design						Cooling	Heating				
Outside Air:		OADB/WB/HR: 94 / 66 / 53		OADB: 82		OADB: 22						SADB	73.0	75.0			
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.1	69.6			
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.8	70.0			
Envelope Loads				Envelope Loads								Ret/OA	86.6	41.0			
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0			
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0			
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	1.1	0.0			
Glass Solar	375	0	375	2	1,009	8	0	0.00	0	0	0.00	AIRFLOWS					
Glass/Door Cond	221	0	221	1	43	0	-578	4.40	-578	-578	4.40				Diffuser	218	218
Wall Cond	264	31	295	2	67	0	-540	4.60	-604	-604	4.60				Terminal	218	218
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00				Main Fan	218	218
Floor	-235	0	-235	-1	-235	-2	-417	3.17	-417	-417	3.17				Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00				Nom Vent	131	131
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00				AHU Vent	131	131
Sub Total ==>	625	31	656	4	884	7	-1,534	12.17	-1,534	-1,598	12.17				Infil	0	0
Internal Loads				Internal Loads											MinStop/Rh	218	218
Lights	1,043	0	1,043	6	1,102	8	0	0.00	0	0	0.00				Return	218	218
People	8,036	0	8,036	46	5,067	38	0	0.00	0	0	0.00	Exhaust	131	131			
Misc	1,382	0	1,382	8	1,460	11	0	0.00	0	0	0.00	Rm Exh	0	0			
Sub Total ==>	10,461	0	10,461	60	7,628	57	0	0.00	0	0	0.00	Auxiliary	2,798	2,798			
Ceiling Load				Ceiling Load								Leakage Dwn	0	0			
Ventilation Load	0	0	984	6	0	0	-53	0.00	0	0	0.00	Leakage Ups	0	0			
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	-6,836	52.06	ENGINEERING CKS					
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00				% OA	60.0	60.0
Ov/Undr Sizing	4,884	0	4,884	28	4,884	36	0	0.00	0	0	0.00				cfm/ft²	0.48	0.48
Exhaust Heat	0	-106	-106	-1	0	0	0	0.00	0	0	0.00				cfm/ton	535.29	
Sup. Fan Heat	0	0	365	2	0	0	0	0.00	0	0	0.00				ft²/ton	1,118.00	
Ret. Fan Heat	0	177	177	1	0	0	0	0.00	0	-4,708	35.85				Btu/hr-ft²	10.73	-30.07
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	11	-0.08				No. People	20.7	45.5/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00						
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00						
Grand Total ==>	15,987	84	17,421	100.00	13,411	100.00	-1,587	100.00	-1,587	-13,132	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
Main Clg	0.4	4.9	3.4	218	86.6	64.9	60.2	55.0	53.4	60.2	Floor	455			Main Htg	-4.7	218	55.0	75.0
Aux Clg	1.1	12.9	12.9	2,798	75.0	63.4	71.8	70.7	62.0	71.8	Part	0			Aux Htg	-19.5	2,798	70.0	76.4
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0			Preheat	-9.0	218	41.0	71.5
											ExFlr	455			Reheat	-5.9	218	55.0	75.0
Total	1.5	17.8									Roof	0	0	0	Humidif	0.0	0	0.0	0.0
											Wall	247	36	14	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	Total	-33.1			

Room Checksums

By MFIA Inc.

125 RECEPTION

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 16		Mo/Hr: 8 / 17		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 94 / 66 / 53		OADB: 92		OADB: 22						SADB	55.0	75.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.1	69.6
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.8	70.0
Envelope Loads				Envelope Loads								Ret/OA	85.5	43.8
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	1.1	0.0
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	AIRFLOWS		
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	76	76
Wall Cond	108	11	118	2	90	1	-216	5.10	-216	-237	5.10	Terminal	76	76
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	76	76
Floor	-250		-250	-3	-201	-3	-442	9.49	-442	-442	9.49	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	41	41
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	41	41
Sub Total ==>	-142	11	-131	-2	-111	-2	-658	14.59	-658	-680	14.59	Infil	0	0
Internal Loads				Internal Loads								MinStop/Rh	76	76
Lights	1,127	0	1,127	14	1,174	19	0	0.00	0	0	0.00	Return	76	76
People	1,519	0	1,519	19	844	14	0	0.00	0	0	0.00	Exhaust	41	41
Misc	1,482	0	1,482	19	1,552	25	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	4,128	0	4,128	53	3,570	58	0	0.00	0	0	0.00	Auxiliary	1,023	1,023
Ceiling Load				Ceiling Load								Leakage Dwn	0	0
Ventilation Load	0	0	996	13	0	0	0	0.00	0	-2,167	46.50	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	ENGINEERING CKS		
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	54.2	54.2
Ov/Undr Sizing	2,713		2,713	35	2,713	44	0	0.00	0	0	0.00	cfm/ft²	0.16	0.16
Exhaust Heat		-34	-34	0			0	0.00	0	0	0.00	cfm/ton	275.71	
Sup. Fan Heat			128	2			0	0.00	0	0	0.00	ft²/ton	1,741.94	
Ret. Fan Heat		62	62	1			0	0.00	-1,779	38.18		Btu/hr-ft²	6.89	-5.76
Duct Heat Pkup		0	0	0			0	0.00	-34	0.74		No. People	3.4	7.0/1000 ft²
Underflr Sup Ht Pkup		0	0	0			0	0.00	0	0	0.00			
Supply Air Leakage		0	0	0			0	0.00	0	0	0.00			
Grand Total ==>	6,717	21	7,862	100.00	6,188	100.00	-714	100.00	-714	-4,659	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	Lvg	Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F
Main Clg	0.3	3.3	2.5	76	85.5	62.4	50.1	53.5	46.4	37.0	Floor	483		Main Htg	-1.8	76	53.5	75.0
Aux Clg	0.4	4.5	4.5	1,023	75.0	63.4	71.8	70.9	62.0	71.8	Part	0		Aux Htg	-6.8	1,023	70.0	76.2
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	-1.0	76	43.8	53.5
Total	0.7	7.9									ExFlr	483		Reheat	-2.2	76	53.5	75.0
											Roof	0	0	Humidif	0.0	0	0.0	0.0
											Wall	83	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	Total	-9.6			

Room Checksums

By MFIA Inc.

125B MENS

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 6 / 9		Mo/Hr: 6 / 9		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 68 / 49 / 25		OADB: 68		OADB: 22						SADB	55.0	75.0
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.1	69.6
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.8	70.0
Envelope Loads				Envelope Loads								Ret/OA	71.4	43.8
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	1.1	0.0
Glass Solar	876	0	876	92	84	876	0	0.00	0	0	0.00	AIRFLOWS		
Glass/Door Cond	-53	0	-53	-6	-5	-53	-289	27.04	-289	-289	27.04	Diffuser	12	12
Wall Cond	-8	-1	-9	-1	-1	-8	-100	10.77	-100	-115	10.77	Terminal	12	12
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	12	12
Floor	-35	0	-35	-4	-3	-35	-47	4.39	-47	-47	4.39	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	7	7
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	7	7
Sub Total ==>	780	-1	779	82	74	780	-436	42.20	-436	-451	42.20	Infil	0	0
Internal Loads				Internal Loads								MinStop/Rh	12	12
Lights	98	0	98	10	9	98	0	0.00	0	0	0.00	Return	12	12
People	61	0	61	6	3	27	0	0.00	0	0	0.00	Exhaust	7	7
Misc	140	0	140	15	13	140	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	300	0	300	31	25	266	0	0.00	0	0	0.00	Auxiliary	245	245
Ceiling Load				Ceiling Load								Leakage Dwn	0	0
Ventilation Load	0	-2	0	0	0	2	-6	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	-152	-16	0	0	0	32.21	0	-344	32.21	ENGINEERING CKS		
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	54.2	54.2
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	0.24	0.24
Exhaust Heat	0	-5	0	-1	0	0	0	0.00	0	0	0.00	cfm/ton	489.14	
Sup. Fan Heat	0	0	20	2	0	0	0	0.00	0	0	0.00	ft²/ton	2,062.79	
Ret. Fan Heat	0	10	10	1	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	5.82	-8.63
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	0.2	3.3/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	1,082	1	952	100.00	1,048	100.00	-442	100.00	-442	-1,068	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F	
Main Clg	0.0	0.3	0.3	12	71.4	53.6	35.0	53.5	43.5	27.2	Floor	51	-0.3	12	53.5	75.0	
Aux Clg	0.1	0.7	0.7	245	75.0	63.4	71.8	72.3	62.5	71.8	Part	0	-1.1	245	70.0	74.1	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	-0.2	12	43.8	53.5	
											ExFlr	51	-0.4	12	53.5	75.0	
Total	0.1	1.0									Roof	0	0.0	0	0.0	0.0	
											Wall	58	0.0	0	0.0	0.0	
											Ext Door	0	0.0	0	0.0	0.0	
													Total	-1.5			

Room Checksums

By MFIA Inc.

126 WOMENS

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 11		Mo/Hr: 6 / 10		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 82 / 58 / 36		OADB: 72		OADB: 22						SADB	55.0	75.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.1	69.6
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.8	70.0
Envelope Loads				Envelope Loads								Ret/OA	79.4	41.8
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	1.1	0.0
Glass Solar	603	0	603	57	786	72	0	0.00	0	0	0.00	AIRFLOWS		
Glass/Door Cond	14	0	14	1	-36	-3	-289	23.90	-289	-289	23.90	Diffuser	13	13
Wall Cond	17	2	19	2	-4	0	-161	15.04	-182	-182	15.04	Terminal	13	13
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	13	13
Floor	-38	0	-38	-4	-49	-4	-67	5.54	-67	-67	5.54	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	7	7
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	7	7
Sub Total ==>	596	2	598	57	696	63	-516	44.48	-537	-537	44.48	Infil	0	0
Internal Loads				Internal Loads								MinStop/Rh	13	13
Lights	174	0	174	17	148	13	0	0.00	0	0	0.00	Return	13	13
People	103	0	103	10	44	4	0	0.00	0	0	0.00	Exhaust	7	7
Misc	232	0	232	22	207	19	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	509	0	509	48	398	36	0	0.00	0	0	0.00	Auxiliary	245	245
Ceiling Load				Ceiling Load								Leakage Dwn	0	0
Ventilation Load	0	-3	0	0	2	0	-8	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	-80	-8	0	0	0	32.09	-388	-388	32.09	ENGINEERING CKS		
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	58.4	58.4
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	0.17	0.17
Exhaust Heat	0	-6	0	-1	0	0	0	0.00	0	0	0.00	cfm/ton	394.82	
Sup. Fan Heat	0	0	21	2	0	0	0	0.00	0	0	0.00	ft²/ton	2,270.19	
Ret. Fan Heat	0	10	10	1	0	0	0	0.00	-296	-296	24.48	Btu/hr-ft²	5.29	-6.80
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	13	13	-1.04	No. People	0.2	3.3/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	1,108	4	1,053	100.00	1,097	100.00	-525	100.00	-1,208	-1,208	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	ft² (%)	Capacity	Coil Airflow	Ent °F	Lvg °F
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F							
Main Clg	0.0	0.4	0.4	13	79.4	59.6	47.2	53.5	48.3	43.5	Floor	73					
Aux Clg	0.1	0.8	0.8	245	75.0	63.4	71.8	72.2	62.5	71.8	Part	0					
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0					
											ExFlr	73					
Total	0.1	1.1									Roof	0	0	0			
											Wall	81	18	22			
											Ext Door	0	0	0			
											Total	-1.6					

Room Checksums

By MFIA Inc.

200 WOMENS

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES					
Peaked at Time:		Mo/Hr: 7 / 17			Mo/Hr: 7 / 17			Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 92 / 64 / 49			OADB: 92			OADB: 22			SADB			Ra Plenum		
	Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict		
	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Tot Sens Btu/h	(%)	75.8	84.8	0.2	0.4	1.1		
	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	70.0	42.4	0.0	0.0	0.0		
Envelope Loads					Envelope Loads						AIRFLOWS					
	0	0	0	0	0	0	0	0	0.00	Cooling			Heating			
Skylite Solar	0	0	0	0	0	0	0	0	0.00	Diffuser	5	5	5	5		
Skylite Cond	0	0	0	0	0	0	0	0	0.00	Terminal	5	5	5	5		
Roof Cond	0	72	72	13	0	0	0	-65	17.94	Main Fan	5	5	5	5		
Glass Solar	0	0	0	0	0	0	0	0	0.00	Sec Fan	0	0	0	0		
Glass/Door Cond	0	0	0	0	0	0	0	0	0.00	Nom Vent	3	3	3	3		
Wall Cond	0	0	0	0	0	0	0	0	0.00	AHU Vent	3	3	3	3		
Partition/Door	0	0	0	0	0	0	0	0	0.00	Infil	0	0	0	0		
Floor	0	0	0	0	0	0	0	0	0.00	MinStop/Rh	5	5	5	5		
Adjacent Floor	0	0	0	0	0	0	0	0	0.00	Return	5	5	5	5		
Infiltration	0	0	0	0	0	0	0	0	0.00	Exhaust	3	3	3	3		
Sub Total ==>	0	72	72	13	0	0	0	-65	17.94	Rm Exh	0	0	0	0		
										Auxiliary	242	242	242	242		
Internal Loads					Internal Loads						ENGINEERING CKS					
Lights	126	0	126	24	126	28	0	0	0.00	% OA	57.0	57.0	57.0	57.0		
People	78	0	78	15	43	10	0	0	0.00	cfm/ft²	0.11	0.11	0.11	0.11		
Misc	167	0	167	31	167	38	0	0	0.00	cfm/ton	313.16	313.16	313.16	313.16		
Sub Total ==>	371	0	371	69	336	76	0	0	0.00	ft²/ton	2,974.99	2,974.99	2,974.99	2,974.99		
										Btu/hr-ft²	4.03	4.03	4.03	4.03		
Ceiling Load	56	-56	0	0	56	13	-69	0	0.00	No. People	0.2	0.2	0.2	0.2		
Ventilation Load	0	0	29	5	0	0	0	-163	45.30	Leakage Dwn			0			
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	Leakage Ups			0			
Dehumid. Ov Sizing			0	0			0	0	0.00							
Ov/Undr Sizing	51		51	10	51	12	0	0	0.00							
Exhaust Heat		-3	-3	-1			0	0	0.00							
Sup. Fan Heat			10	2			0	0	0.00							
Ret. Fan Heat		5	5	1			0	0	0.00							
Duct Heat Pkup		0	0	0			-128	35.51	35.51							
Underflr Sup Ht Pkup		0	0	0			-5	1.25	1.25							
Supply Air Leakage		0	0	0			0	0.00	0.00							
Grand Total ==>	478	18	535	100.00	443	100.00	-69	-360	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	MBh	cfm	°F	°F			
Main Clg	0.0	0.2	0.2	5	84.8	63.1	54.4	53.4	49.4	47.7	Floor	52	5	53.4	75.0		
Aux Clg	0.0	0.3	0.3	242	75.0	63.4	71.8	73.8	63.0	71.8	Part	0	242	70.0	71.9		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	0	0.0	0.0		
											ExFlr	0	5	42.4	53.4		
Total	0.1	0.5									Roof	52	0	53.4	75.0		
											Wall	0	0	0.0	0.0		
											Ext Door	0	0	0.0	0.0		
											Total	-0.7	0	0.0	0.0		

Room Checksums

By MFIA Inc.

201 MENS

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 17			Mo/Hr: 7 / 17		Mo/Hr: Heating Design						Cooling	Heating			
Outside Air:		OADB/WB/HR: 92 / 64 / 49			OADB: 92		OADB: 22						SADB	55.0	75.0		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent	Space Sens	Tot Sens	Of Total	Return	78.4	65.8			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA	75.8	70.0			
Envelope Loads					Envelope Loads										Fn MtrTD	0.2	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0			
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	1.1	0.0			
Roof Cond	0	72	13	0	0	0	-65	17.94	0	0	0.00	AIRFLOWS					
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	5	5			
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	5	5			
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	5	5			
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0			
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	3	3			
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	3	3			
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	Infil	0	0			
Sub Total ==>	0	72	13	0	0	0	-65	17.94	0	0	0.00	MinStop/Rh	5	5			
Internal Loads					Internal Loads										Return	5	5
Lights	126	0	24	126	28	0	0	0.00	0	0	0.00	Exhaust	3	3			
People	78	0	15	43	10	0	0	0.00	0	0	0.00	Rm Exh	0	0			
Misc	167	0	31	167	38	0	0	0.00	0	0	0.00	Auxiliary	242	242			
Sub Total ==>	371	0	69	336	76	0	0	0.00	0	0	0.00	Leakage Dwn	0	0			
Ceiling Load					Ceiling Load										Leakage Ups	0	0
Ventilation Load	0	-56	0	56	13	-69	0	0.00	-69	0	0.00	ENGINEERING CKS					
Adj Air Trans Heat	0	0	5	0	0	0	-163	45.30	0	0	0.00	% OA	57.0	57.0			
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	0.11	0.11			
Ov/Undr Sizing	51	-3	10	51	12	0	0	0.00	0	0	0.00	cfm/ton	313.16				
Exhaust Heat	0	10	-1	0	2	0	0	0.00	0	0	0.00	ft²/ton	2,974.99				
Sup. Fan Heat	0	5	1	0	0	0	-128	35.51	0	0	0.00	Btu/hr-ft²	4.03	-4.02			
Ret. Fan Heat	0	0	0	0	0	0	-5	1.25	0	0	0.00	No. People	0.2	3.3/1000 ft²			
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00						
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00						
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00						
Grand Total ==>	478	18	535	100.00	443	100.00	-69	100.00	-69	-360	100.00						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F	
Main Clg	0.0	0.2	0.2	5	84.8	63.1	54.4	53.4	49.4	47.7	Floor	52	-0.1	5	53.4	75.0	
Aux Clg	0.0	0.3	0.3	242	75.0	63.4	71.8	73.8	63.0	71.8	Part	0	-0.5	242	70.0	71.9	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	-0.1	5	42.4	53.4	
											ExFlr	0	-0.2	5	53.4	75.0	
Total	0.1	0.5									Roof	52	0.0	0	0.0	0.0	
											Wall	0	0.0	0	0.0	0.0	
											Ext Door	0	0.0	0	0.0	0.0	
													Total	-0.7			

Room Checksums

By MFIA Inc.

202 SMALL GROUP

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 16			Mo/Hr: 7 / 11			Mo/Hr: Heating Design					
Outside Air:		OADB/WB/HR: 94 / 66 / 53			OADB: 82			OADB: 22					
	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat. Btu/h	Net Total Btu/h	Percent Of Total (%)	Space Sensible Btu/h	Percent Of Total (%)		Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)		Cooling	Heating
Envelope Loads							Envelope Loads						
Skylite Solar	0	0	0	0	0	0	Skylite Solar	0	0	0.00	SADB	73.0	75.0
Skylite Cond	0	0	0	0	0	0	Skylite Cond	0	0	0.00	Ra Plenum	78.4	65.8
Roof Cond	0	241	241	3	0	0	Roof Cond	0	-277	4.03	Return	75.8	70.0
Glass Solar	375	0	375	4	1,009	15	Glass Solar	0	0	0.00	Ret/OA	86.1	42.4
Glass/Door Cond	221	0	221	3	43	1	Glass/Door Cond	-578	-578	8.40	Fn MtrTD	0.2	0.0
Wall Cond	105	13	118	1	25	0	Wall Cond	-223	-253	3.68	Fn BldTD	0.4	0.0
Partition/Door	0	0	0	0	0	0	Partition/Door	0	0	0.00	Fn Frict	1.1	0.0
Floor	0	0	0	0	0	0	Floor	0	0	0.00			
Adjacent Floor	0	0	0	0	0	0	Adjacent Floor	0	0	0.00			
Infiltration	0	0	0	0	0	0	Infiltration	0	0	0.00			
<i>Sub Total ==></i>	702	254	956	11	1,077	16	<i>Sub Total ==></i>	-801	-1,108	16.10			
Internal Loads							Internal Loads						
Lights	511	0	511	6	540	8	Lights	0	0	0.00			
People	3,939	0	3,939	45	2,483	36	People	0	0	0.00			
Misc	677	0	677	8	715	10	Misc	0	0	0.00			
<i>Sub Total ==></i>	5,127	0	5,127	59	3,739	54	<i>Sub Total ==></i>	0	0	0.00			
Ceiling Load	241	-241	0	0	240	3	Ceiling Load	-297	0	0.00			
Ventilation Load	0	0	482	6	0	0	Ventilation Load	0	-3,351	48.72			
Adj Air Trans Heat	0	0	0	0	0	0	Adj Air Trans Heat	0	0	0			
Dehumid. Ov Sizing			0	0			Ov/Undr Sizing	0	0	0.00			
Ov/Undr Sizing	1,863		1,863	21	1,863	27	Exhaust Heat	0	0	0.00			
Exhaust Heat		-57	-57	-1			OA Preheat Diff.	0	0	0.00			
Sup. Fan Heat			198	2			RA Preheat Diff.	0	0	0.00			
Ret. Fan Heat		100	100	1			Additional Reheat		-2,429	35.32			
Duct Heat Pkup		0	0	0			System Plenum Heat		10	-0.15			
Underflr Sup Ht Pkup		0	0	0			Underflr Sup Ht Pkup		0	0.00			
Supply Air Leakage		0	0	0			Supply Air Leakage		0	0.00			
<i>Grand Total ==></i>	7,933	56	8,669	100.00	6,919	100.00	<i>Grand Total ==></i>	-1,097	-6,877	100.00			

AIRFLOWS		
	Cooling	Heating
Diffuser	112	112
Terminal	112	112
Main Fan	112	112
Sec Fan	0	0
Nom Vent	64	64
AHU Vent	64	64
Infil	0	0
MinStop/Rh	112	112
Return	112	112
Exhaust	64	64
Rm Exh	0	0
Auxiliary	1,487	1,487
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	57.0	57.0
cfm/ft²	0.50	0.50
cfm/ton	676.58	
ft²/ton	1,342.45	
Btu/hr-ft²	8.94	-30.61
No. People	10.1	45.5/1000 ft²

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	°F	gr/lb
Main Clg	0.2	2.0	1.2	112	86.1	64.8	60.7	55.0	53.5	60.7
Aux Clg	0.6	6.7	6.7	1,487	75.0	63.4	71.8	70.8	62.0	71.8
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	223		
Part	0		
Int Door	0		
ExFlr	0		
Roof	223	0	0
Wall	125	36	29
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	-2.4	112	55.0	75.0
Aux Htg	-10.0	1,487	70.0	76.2
Preheat	-4.4	112	42.4	71.4
Reheat	-3.0	112	55.0	75.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-16.9			

Room Checksums

By MFIA Inc.

203 MEDIUM GROUP

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 16		Mo/Hr: 7 / 17		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 94 / 66 / 53		OADB: 92		OADB: 22						SADB	73.0	75.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	78.4	65.8
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.8	70.0
Envelope Loads				Envelope Loads				Envelope Loads				Ret/OA	86.1	42.4
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	374	3	0	0	0	-430	4.15	0	0	0.00	Fn Frict	1.1	0.0
Glass Solar	375	0	3	332	3	0	0	0.00	0	0	0.00			
Glass/Door Cond	221	0	2	205	2	-578	-578	5.58	-578	-578	5.58			
Wall Cond	166	18	1	178	2	-349	-391	3.77	-349	-391	3.77			
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00			
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00			
Sub Total ==>	763	392	1,155	9	715	7	-927	13.50	-927	-1,398	13.50			
Internal Loads				Internal Loads				Internal Loads						
Lights	793	0	793	6	838	8	0	0.00	0	0	0.00			
People	6,111	0	6,111	46	3,853	36	0	0.00	0	0	0.00			
Misc	1,051	0	1,051	8	1,110	10	0	0.00	0	0	0.00			
Sub Total ==>	7,955	0	7,955	60	5,801	54	0	0.00	0	0	0.00			
Ceiling Load	373	-373	0	0	372	3	-460	0.00	-460	0	0.00			
Ventilation Load	0	0	-123	-1	0	0	0	50.21	0	-5,199	50.21			
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0			
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00			
Ov/Undr Sizing	3,847	0	3,847	29	3,847	36	0	0.00	0	0	0.00			
Exhaust Heat	0	-88	-88	-1	0	0	0	0.00	0	0	0.00			
Sup. Fan Heat	0	0	307	2	0	0	0	0.00	0	0	0.00			
Ret. Fan Heat	0	155	155	1	0	0	-3,769	36.40	0	-3,769	36.40			
Duct Heat Pkup	0	0	0	0	0	0	11	-0.11	0	11	-0.11			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	12,938	86	13,208	100.00	10,735	100.00	-1,387	100.00	-1,387	-10,355	100.00			

AIRFLOWS		
	Cooling	Heating
Diffuser	174	174
Terminal	174	174
Main Fan	174	174
Sec Fan	0	0
Nom Vent	99	99
AHU Vent	99	99
Infil	0	0
MinStop/Rh	174	174
Return	174	174
Exhaust	99	99
Rm Exh	0	0
Auxiliary	2,250	2,250
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	57.0	57.0
cfm/ft²	0.50	0.50
cfm/ton	543.96	
ft²/ton	1,079.32	
Btu/hr-ft²	11.12	-30.61
No. People	15.7	45.5/1000 ft²

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	°F	gr/lb
Main Clg	0.3	3.9	3.6	174	86.1	65.9	66.3	55.0	54.9	66.3
Aux Clg	0.9	10.4	10.4	2,250	75.0	63.4	71.8	70.7	62.0	71.8
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.2	14.2								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	346		
Part	0		
Int Door	0		
ExFlr	0		
Roof	346	0	0
Wall	174	36	21
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	-3.8	174	55.0	75.0
Aux Htg	-15.6	2,250	70.0	76.4
Preheat	-6.8	174	42.4	71.4
Reheat	-4.7	174	55.0	75.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-26.2			

Room Checksums

By MFIA Inc.

204 MEDIUM GROUP

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 16		Mo/Hr: 7 / 17		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 94 / 66 / 53		OADB: 92		OADB: 22								
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)			
Envelope Loads				Envelope Loads				Envelope Loads						
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	SADB	73.0	75.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Ra Plenum	78.4	65.8
Roof Cond	0	372	372	3	0	0	0	4.16	0	-428	4.16	Return	75.8	70.0
Glass Solar	375	0	375	3	332	3	0	0.00	0	0	0.00	Ret/OA	86.1	42.4
Glass/Door Cond	221	0	221	2	205	2	-578	5.61	-578	-578	5.61	Fn MtrTD	0.2	0.0
Wall Cond	161	18	178	1	172	2	-338	3.68	-378	-378	3.68	Fn BldTD	0.4	0.0
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	1.1	0.0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00			
Sub Total ==>	757	390	1,147	9	709	7	-916	13.44	-916	-1,383	13.44			
Internal Loads				Internal Loads				Internal Loads						
Lights	788	0	788	6	833	8	0	0.00	0	0	0.00	Diffuser	173	173
People	6,076	0	6,076	46	3,831	36	0	0.00	0	0	0.00	Terminal	173	173
Misc	1,045	0	1,045	8	1,104	10	0	0.00	0	0	0.00	Main Fan	173	173
Sub Total ==>	7,909	0	7,909	60	5,767	54	0	0.00	0	0	0.00	Sec Fan	0	0
Ceiling Load	371	-371	0	0	370	3	-457	0.00	0	0	0.00	Nom Vent	99	99
Ventilation Load	0	0	-122	-1	0	0	0	50.24	0	-5,169	50.24	AHU Vent	99	99
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0.00	Infil	0	0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	MinStop/Rh	173	173
Ov/Undr Sizing	3,826	0	3,826	29	3,826	36	0	0.00	0	0	0.00	Return	173	173
Exhaust Heat	0	-88	-88	-1	0	0	0	0.00	0	0	0.00	Exhaust	99	99
Sup. Fan Heat	0	0	305	2	0	0	0	0.00	0	0	0.00	Rm Exh	0	0
Ret. Fan Heat	0	154	154	1	0	0	0	0.00	0	0	0.00	Auxiliary	2,239	2,239
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Dwn	0	0
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	12,864	85	13,132	100.00	10,673	100.00	-1,373	100.00	-1,373	-10,289	100.00			

AIRFLOWS		
	Cooling	Heating
Diffuser	173	173
Terminal	173	173
Main Fan	173	173
Sec Fan	0	0
Nom Vent	99	99
AHU Vent	99	99
Infil	0	0
MinStop/Rh	173	173
Return	173	173
Exhaust	99	99
Rm Exh	0	0
Auxiliary	2,239	2,239
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	57.0	57.0
cfm/ft²	0.50	0.50
cfm/ton	543.72	
ft²/ton	1,078.83	
Btu/hr-ft²	11.12	-30.61
No. People	15.6	45.5/1000 ft²

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	°F	gr/lb
Main Clg	0.3	3.8	3.5	173	86.1	65.9	66.3	55.0	54.9	66.3
Aux Clg	0.9	10.3	10.3	2,239	75.0	63.4	71.8	70.7	62.0	71.8
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.2	14.1								

AREAS			
	Gross Total	Glass	(%)
		ft²	
Floor	344		
Part	0		
Int Door	0		
ExFlr	0		
Roof	344	0	0
Wall	169	36	21
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	-3.8	173	55.0	75.0
Aux Htg	-15.5	2,239	70.0	76.4
Preheat	-6.8	173	42.4	71.4
Reheat	-4.7	173	55.0	75.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-26.0			

Room Checksums

By MFIA Inc.

205 PRINT

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 17		Mo/Hr: 7 / 17		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 92 / 64 / 49		OADB: 92		OADB: 22			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return <th>Ret/OA <th>Fn MtrTD <th>Fn BldTD <th>Fn Frict </th></th></th></th>	Ret/OA <th>Fn MtrTD <th>Fn BldTD <th>Fn Frict </th></th></th>	Fn MtrTD <th>Fn BldTD <th>Fn Frict </th></th>	Fn BldTD <th>Fn Frict </th>	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Tot Sens Btu/h		75.8	84.8	0.2	0.4	1.1	
Envelope Loads				Envelope Loads										
Skylite Solar	0	0	0	0	0	0	0	0.00						
Skylite Cond	0	0	0	0	0	0	0	0.00						
Roof Cond	0	29	29	7	0	0	-33	7.90						
Glass Solar	0	0	0	0	0	0	0	0.00						
Glass/Door Cond	0	0	0	0	0	0	0	0.00						
Wall Cond	70	6	76	18	70	20	-147	38.46						
Partition/Door	0	0	0	0	0	0	0	0.00						
Floor	0	0	0	0	0	0	0	0.00						
Adjacent Floor	0	0	0	0	0	0	0	0.00						
Infiltration	0	0	0	0	0	0	0	0.00						
<i>Sub Total ==></i>	70	35	105	24	70	20	-147	46.36						
Internal Loads				Internal Loads										
Lights	63	0	63	15	63	18	0	0.00						
People	78	0	78	18	41	11	0	0.00						
Misc	84	0	84	19	84	24	0	0.00						
<i>Sub Total ==></i>	225	0	225	52	188	53	0	0.00						
Ceiling Load	29	-29	0	0	29	8	-35	0.00						
Ventilation Load	0	0	23	5	0	0	0	31.56						
Adj Air Trans Heat	0	0	0	0	0	0	0	0						
Dehumid. Ov Sizing			0	0			0	0.00						
Ov/Undr Sizing	71		71	16	71	20	0	0.00						
Exhaust Heat		-2	-2	-1			0	0.00						
Sup. Fan Heat			8	2			0	0.00						
Ret. Fan Heat		4	4	1			-103	24.75						
Duct Heat Pkup		0	0	0			11	-2.67						
Underflr Sup Ht Pkup			0	0			0	0.00						
Supply Air Leakage			0	0			0	0.00						
Grand Total ==>	395	8	435	100.00	358	100.00	-182	417	100.00					

AIRFLOWS		
	Cooling	Heating
Diffuser	4	4
Terminal	4	4
Main Fan	4	4
Sec Fan	0	0
Nom Vent	3	3
AHU Vent	3	3
Infil	0	0
MinStop/Rh	4	4
Return	4	4
Exhaust	3	3
Rm Exh	0	0
Auxiliary	242	242
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	57.0	57.0
cfm/ft²	0.17	0.17
cfm/ton	308.43	
ft²/ton	1,851.25	
Btu/hr-ft²	6.48	-6.36
No. People	0.2	7.0/1000 ft²

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	°F	gr/lb
Main Clg	0.0	0.2	0.2	4	84.8	63.1	54.4	53.4	49.2	46.9
Aux Clg	0.0	0.3	0.3	242	75.0	63.4	71.8	74.0	63.1	71.8
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.0	0.4								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	27		
Part	0		
Int Door	0		
ExFlr	0		
Roof	27	0	0
Wall	57	0	0
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	-0.1	4	53.4	75.0
Aux Htg	-0.4	242	70.0	71.5
Preheat	-0.1	4	42.4	53.4
Reheat	-0.1	4	53.4	75.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-0.6			

Room Checksums

By MFIA Inc.

206 CONSULT

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 11		Mo/Hr: 6 / 10		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 82 / 58 / 36		OADB: 72		OADB: 22						SADB	55.0	75.0
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	78.4	65.8
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.8	70.0
Envelope Loads				Envelope Loads				Envelope Loads				Ret/OA	78.4	49.5
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	-36	-2	0	0	Roof Cond	0	7.03	Roof Cond	-161	10.76	Fn Frict	1.1	0.0
Glass Solar	1,207	0	51	1,572	65	Glass Solar	0	0.00	Glass Solar	0	0.00	AIRFLOWS		
Glass/Door Cond	27	0	1	-73	-3	Glass/Door Cond	-578	25.29	Glass/Door Cond	-578	10.76	Diffuser	29	29
Wall Cond	21	1	1	-6	0	Wall Cond	-217	10.76	Wall Cond	-246	10.76	Terminal	29	29
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00	Partition/Door	0	0.00	Main Fan	29	29
Floor	0	0	0	0	0	Floor	0	0.00	Floor	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	Adjacent Floor	0	0.00	Nom Vent	12	12
Infiltration	0	0	0	0	0	Infiltration	0	0.00	Infiltration	0	0.00	AHU Vent	12	12
Sub Total ==>	1,255	-35	1,220	51	1,493	62	-794	43.07	Sub Total ==>	-984	43.07	Infil	0	0
Internal Loads				Internal Loads				Internal Loads				MinStop/Rh	29	29
Lights	308	0	13	262	11	Lights	0	0.00	Lights	0	0.00	Return	29	29
People	383	0	16	163	7	People	0	0.00	People	0	0.00	Exhaust	12	12
Misc	410	0	17	365	15	Misc	0	0.00	Misc	0	0.00	Rm Exh	0	0
Sub Total ==>	1,101	0	1,101	46	790	33	0	0.00	Sub Total ==>	0	0.00	Auxiliary	382	382
Ceiling Load	139	-139	0	139	6	Ceiling Load	-172	0.00	Ceiling Load	-172	0.00	Leakage Dwn	0	0
Ventilation Load	0	0	-1	0	0	Ventilation Load	0	28.08	Ventilation Load	-641	28.08	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0	Adj Air Trans Heat	0	0	ENGINEERING CKS		
Dehumid. Ov Sizing	0	0	0	0	0	Ov/Undr Sizing	0	0.00	Ov/Undr Sizing	0	0.00	% OA	42.3	42.3
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	0	0.00	Exhaust Heat	0	0.00	cfm/ft²	0.22	0.22
Exhaust Heat	-11	-11	0	0	0	OA Preheat Diff.	0	0.00	OA Preheat Diff.	0	0.00	cfm/ton	534.88	
Sup. Fan Heat	51	51	2	0	0	RA Preheat Diff.	0	0.00	RA Preheat Diff.	0	0.00	ft²/ton	2,385.26	
Ret. Fan Heat	26	26	1	0	0	Additional Reheat	-677	29.63	Additional Reheat	-677	29.63	Btu/hr-ft²	5.03	-6.41
Duct Heat Pkup	0	0	0	0	0	System Plenum Heat	18	-0.78	System Plenum Heat	18	-0.78	No. People	0.9	7.0/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00	Underflr Sup Ht Pkup	0	0.00			
Supply Air Leakage	0	0	0	0	0	Supply Air Leakage	0	0.00	Supply Air Leakage	0	0.00			
Grand Total ==>	2,495	-159	2,370	100.00	2,422	100.00	-966	100.00	Grand Total ==>	-2,284	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft² (%)	MBh	cfm	°F	°F		
Main Clg	0.1	0.7	0.6	29	78.4	58.5	43.6	53.4	48.3	43.6	Floor	129		-0.7	29	53.4	75.0	
Aux Clg	0.1	1.7	1.7	382	75.0	63.4	71.8	70.8	62.0	71.8	Part	0		-2.6	382	70.0	76.3	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		-0.2	29	49.5	53.4	
											ExFlr	0		-0.9	29	53.4	75.0	
Total	0.2	2.4									Roof	129	0	0.0	0	0.0	0.0	
											Wall	123	36	29	0.0	0	0.0	0.0
											Ext Door	0	0	0	-3.4			

Room Checksums

By MFIA Inc.

207 CONSULT

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 17			Mo/Hr: 7 / 17		Mo/Hr: Heating Design			Mo/Hr: Heating Design			Cooling	Heating			
Outside Air:		OADB/WB/HR: 92 / 64 / 49			OADB: 92		OADB: 22			OADB: 22			SADB	63.3	75.0		
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent	Space Sens	Tot Sens	Of Total	Return	78.4	65.8			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA	75.8	70.0			
Envelope Loads					Envelope Loads										Fn MtrTD	0.2	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0			
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	1.1	0.0			
Roof Cond	0	178	178	10	0	0	-160	12.56	0	0	0.00	AIRFLOWS					
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Cooling	Heating				
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	21	21			
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	21	21			
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	21	21			
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0			
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	12	12			
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	12	12			
Sub Total ==>	0	178	178	10	0	0	-160	12.56	0	0	0.00	Infil	0	0			
Internal Loads					Internal Loads										MinStop/Rh	21	21
Lights	311	0	311	17	311	20	0	0.00	0	0	0.00	Return	21	21			
People	404	0	404	22	225	15	0	0.00	0	0	0.00	Exhaust	12	12			
Misc	412	0	412	22	412	27	0	0.00	0	0	0.00	Rm Exh	0	0			
Sub Total ==>	1,127	0	1,127	61	947	61	0	0.00	0	0	0.00	Auxiliary	292	292			
Ceiling Load					Ceiling Load										Leakage Dwn	0	0
Ventilation Load	0	-139	0	0	138	9	-171	0.00	0	0	0.00	Leakage Ups	0	0			
Adj Air Trans Heat	0	0	45	2	0	0	0	50.18	0	-638	50.18	ENGINEERING CKS					
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	Cooling	Heating				
Ov/Undr Sizing	457	0	457	25	457	30	0	0.00	0	0	0.00	% OA	57.0	57.0			
Exhaust Heat	0	-11	-11	-1	0	0	0	0.00	0	0	0.00	cfm/ft²	0.17	0.17			
Sup. Fan Heat	0	38	38	2	0	0	0	0.00	0	0	0.00	cfm/ton	441.52				
Ret. Fan Heat	0	19	19	1	0	0	0	0.00	0	0	0.00	ft²/ton	2,650.12				
Duct Heat Pkup	0	0	0	0	0	0	-462	36.38	0	-11	0.88	Btu/hr-ft²	4.53	-7.93			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	0.9	7.0/1000 ft²			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00						
Grand Total ==>	1,722	47	1,852	100.00	1,542	100.00	-171	100.00	-1,271	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	Ent	Lvg	Capacity	Coil Airflow	Ent	Lvg
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								
Main Clg	0.1	0.6	0.6	21	84.8	63.8	57.9	55.0	52.8	57.9	Floor	128		Main Htg	-0.5	21	55.0	75.0
Aux Clg	0.1	1.3	1.3	292	75.0	63.4	71.8	71.0	62.1	71.8	Part	0		Aux Htg	-1.9	292	70.0	76.1
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	-0.6	21	42.4	61.6
											ExFlr	0		Reheat	-0.6	21	55.0	75.0
Total	0.2	1.9									Roof	128	0	Humidif	0.0	0	0.0	0.0
											Wall	0	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	Total	-2.9			

Room Checksums

By MFIA Inc.

208 TEAMWORK

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 17		Mo/Hr: 8 / 17		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 92 / 64 / 49		OADB: 92		OADB: 22			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Space Sens	Tot Sens	(%)	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	
Envelope Loads				Envelope Loads										
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
Roof Cond	0	463	8	0	0	0	-447	9.00	0	0	0	0	0	
Glass Solar	1,095	0	19	1,166	24	0	0	0.00	0	0	0	0	0	
Glass/Door Cond	291	0	5	297	6	-816	-816	16.41	0	0	0	0	0	
Wall Cond	304	34	6	278	6	-539	-601	12.09	0	0	0	0	0	
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
Floor	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
Sub Total ==>	1,690	496	38	1,741	36	-1,355	-1,864	37.50						
Internal Loads				Internal Loads										
Lights	858	0	15	858	18	0	0	0.00	0	0	0	0	0	
People	1,111	0	19	607	13	0	0	0.00	0	0	0	0	0	
Misc	1,144	0	20	1,144	24	0	0	0.00	0	0	0	0	0	
Sub Total ==>	3,113	0	54	2,609	54	0	0	0.00						
Ceiling Load	388	-388	0	387	8	-479	0	0.00						
Ventilation Load	0	0	253	4	0	0	-1,788	35.97						
Adj Air Trans Heat	0	0	0	0	0	0	0	0						
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00						
Ov/Undr Sizing	69	69	1	69	1	0	0	0.00						
Exhaust Heat	0	-30	-1	0	0	0	0	0.00						
Sup. Fan Heat	0	106	2	0	0	0	0	0.00						
Ret. Fan Heat	0	53	1	0	0	0	0	0.00						
Duct Heat Pkup	0	0	0	0	0	0	0	0.00						
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00						
Supply Air Leakage	0	0	0	0	0	0	0	0.00						
Grand Total ==>	5,260	131	5,749	100.00	4,807	100.00	-1,833	-4,971	100.00					

AIRFLOWS		
	Cooling	Heating
Diffuser	60	60
Terminal	60	60
Main Fan	60	60
Sec Fan	0	0
Nom Vent	34	34
AHU Vent	34	34
Infil	0	0
MinStop/Rh	60	60
Return	60	60
Exhaust	34	34
Rm Exh	0	0
Auxiliary	788	788
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	57.0	57.0
cfm/ft²	0.17	0.17
cfm/ton	329.14	
ft²/ton	1,975.55	
Btu/hr-ft²	6.07	-6.40
No. People	2.5	7.0/1000 ft²

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	°F	gr/lb
Main Clg	0.2	2.2	2.0	60	84.8	63.3	55.6	54.2	50.5	50.4
Aux Clg	0.3	3.6	3.6	788	75.0	63.4	71.8	70.8	62.0	71.8
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.5	5.8								

AREAS			
	Gross Total	Glass	(%)
		ft²	
Floor	360		
Part	0		
Int Door	0		
ExFlr	0		
Roof	360	0	0
Wall	263	50	19
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	-1.4	60	54.2	75.0
Aux Htg	-5.4	788	70.0	76.3
Preheat	-1.0	60	42.4	54.2
Reheat	-1.7	60	54.2	75.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-7.7			

Room Checksums

By MFIA Inc.

209 OFFICE

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 17		Mo/Hr: 8 / 19		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Cooling	Heating	
Outside Air:		OADB/WB/HR: 92 / 64 / 49		OADB: 84		OADB: 22		OADB: 22		OADB: 22		SADB	59.9	75.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	78.4	65.8
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	75.8	70.0
Envelope Loads				Envelope Loads				Envelope Loads				Fn MtrTD	0.2	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	1.1	0.0
Roof Cond	0	80	80	6	0	0	0	7.93	0	-91	40.22	AIRFLOWS		
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	12	12
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	12	12
Wall Cond	212	18	230	18	306	33	-423	40.22	-423	-462	40.22	Main Fan	12	12
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	7	7
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	7	7
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	Infil	0	0
Sub Total ==>	212	98	310	25	306	33	-423	48.15	-423	-553	48.15	MinStop/Rh	12	12
Internal Loads				Internal Loads				Internal Loads				Return	12	12
Lights	174	0	174	14	146	16	0	0.00	0	0	0.00	Exhaust	7	7
People	215	0	215	17	79	9	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	232	0	232	19	186	20	0	0.00	0	0	0.00	Auxiliary	245	245
Sub Total ==>	622	0	622	50	411	44	0	0.00	0	0	0.00	Leakage Dwn	0	0
Ceiling Load				Ceiling Load				Ceiling Load				Leakage Ups	0	0
Ventilation Load	0	0	160	13	0	0	0	31.69	0	-364	31.69	ENGINEERING CKS		
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	% OA	57.0	57.0
Dehumid. Ov Sizing			0	0			0	0.00			0.00	cfm/ft²	0.17	0.17
Ov/Undr Sizing	128		128	10	128	14		0.00			0.00	cfm/ton	280.20	
Exhaust Heat		-6	-6	0				0.00			0.00	ft²/ton	1,681.79	
Sup. Fan Heat			21	2				0.00			0.00	Btu/hr-ft²	7.14	-7.17
Ret. Fan Heat		11	11	1				0.00			0.00	No. People	0.5	7.0/1000 ft²
Duct Heat Pkup		0	0	0				0.00			0.00			
Underflr Sup Ht Pkup			0	0				0.00			0.00			
Supply Air Leakage		0	0	0				0.00			0.00			
Grand Total ==>	1,041	24	1,247	100.00	923	100.00	-520	100.00	-520	-1,148	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION							
	Total Capacity		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass ft² (%)	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F				
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb										
Main Clg	0.0	0.5	0.4	12	84.8	61.2	45.6	55.0	45.0	29.8	Floor	73				Main Htg	-0.3	12	55.0	75.0
Aux Clg	0.1	0.7	0.7	245	75.0	63.4	71.8	72.3	62.5	71.8	Part	0				Aux Htg	-1.1	245	70.0	74.1
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0				Preheat	-0.3	12	42.4	58.3
											ExFlr	0				Reheat	-0.3	12	55.0	75.0
Total	0.1	1.2									Roof	73	0	0		Humidif	0.0	0	0.0	0.0
											Wall	163	0	0		Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0		Total	-1.6			

Room Checksums

By MFIA Inc.

210 STOR

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 17			Mo/Hr: 7 / 17		Mo/Hr: Heating Design			Cooling			Heating	
Outside Air:		OADB/WB/HR: 92 / 64 / 49			OADB: 92		OADB: 22			SADB			Ra Plenum	
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Tot Sens 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	0.00	Skylite Solar	0	0	0.00		
Skylite Cond	0	0	0	0	0	0	0	0.00	Skylite Cond	0	0	0.00		
Roof Cond	0	60	60	13	0	0	-54	17.94	Roof Cond	0	0	0.00		
Glass Solar	0	0	0	0	0	0	0	0.00	Glass Solar	0	0	0.00		
Glass/Door Cond	0	0	0	0	0	0	0	0.00	Glass/Door Cond	0	0	0.00		
Wall Cond	0	0	0	0	0	0	0	0.00	Wall Cond	0	0	0.00		
Partition/Door	0	0	0	0	0	0	0	0.00	Partition/Door	0	0	0.00		
Floor	0	0	0	0	0	0	0	0.00	Floor	0	0	0.00		
Adjacent Floor	0	0	0	0	0	0	0	0.00	Adjacent Floor	0	0	0.00		
Infiltration	0	0	0	0	0	0	0	0.00	Infiltration	0	0	0.00		
Sub Total ==>	0	60	60	13	0	0	-54	17.94	Sub Total ==>	0	0	0.00		
Internal Loads					Internal Loads									
Lights	105	0	105	24	105	28	0	0.00	Lights	0	0	0.00		
People	65	0	65	15	36	10	0	0.00	People	0	0	0.00		
Misc	139	0	139	31	139	38	0	0.00	Misc	0	0	0.00		
Sub Total ==>	309	0	309	69	280	76	0	0.00	Sub Total ==>	0	0	0.00		
Ceiling Load	47	-47	0	0	47	13	-58	0.00	Ceiling Load	0	0	0.00		
Ventilation Load	0	0	24	5	0	0	-136	45.30	Ventilation Load	0	0	0.00		
Adj Air Trans Heat	0	0	0	0	0	0	0	0	Adj Air Trans Heat	0	0	0.00		
Dehumid. Ov Sizing			0	0			0	0.00	Ov/Undr Sizing	0	0	0.00		
Ov/Undr Sizing	43		43	10	43	12	0	0.00	Exhaust Heat	0	0	0.00		
Exhaust Heat		-2	-2	-1			0	0.00	OA Preheat Diff.	0	0	0.00		
Sup. Fan Heat			8	2			0	0.00	RA Preheat Diff.	0	0	0.00		
Ret. Fan Heat		4	4	1			-107	35.51	Additional Reheat	-107	35.51			
Duct Heat Pkup		0	0	0			-4	1.26	System Plenum Heat	-4	1.26			
Underflr Sup Ht Pkup			0	0			0	0.00	Underflr Sup Ht Pkup	0	0	0.00		
Supply Air Leakage			0	0			0	0.00	Supply Air Leakage	0	0	0.00		
Grand Total ==>	399	15	446	100.00	370	100.00	-58	100.00	Grand Total ==>	-58	-300	100.00		

AIRFLOWS		
	Cooling	Heating
Diffuser	5	5
Terminal	5	5
Main Fan	5	5
Sec Fan	0	0
Nom Vent	3	3
AHU Vent	3	3
Infil	0	0
MinStop/Rh	5	5
Return	5	5
Exhaust	3	3
Rm Exh	0	0
Auxiliary	242	242
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	57.0	57.0
cfm/ft²	0.11	0.11
cfm/ton	313.16	
ft²/ton	2,975.04	
Btu/hr-ft²	4.03	-4.02
No. People	0.1	3.3/1000 ft²

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	°F	gr/lb
Main Clg	0.0	0.2	0.2	5	84.8	63.1	54.4	53.4	49.4	47.7
Aux Clg	0.0	0.3	0.3	242	75.0	63.4	71.8	74.0	63.1	71.8
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.0	0.4								

AREAS			
	Gross Total	Glass	(%)
		ft²	
Floor	43		
Part	0		
Int Door	0		
ExFlr	0		
Roof	43	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	-0.1	5	53.4	75.0
Aux Htg	-0.4	242	70.0	71.6
Preheat	-0.1	5	42.4	53.4
Reheat	-0.1	5	53.4	75.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-0.6			

Room Checksums

By MFIA Inc.

211 CONFERENCE

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 8 / 17			Mo/Hr: 9 / 17		Mo/Hr: Heating Design			Cooling			Heating	
Outside Air:		OADB/WB/HR: 92 / 64 / 46			OADB: 87		OADB: 22			SADB			Ra Plenum	
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return <th>Ret/OA <th>Fn MtrTD <th>Fn BldTD <th>Fn Frict</th> </th></th></th>	Ret/OA <th>Fn MtrTD <th>Fn BldTD <th>Fn Frict</th> </th></th>	Fn MtrTD <th>Fn BldTD <th>Fn Frict</th> </th>	Fn BldTD <th>Fn Frict</th>	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens		75.8	84.9	0.2	0.4	1.1	
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		70.0	42.4	0.0	0.0	0.0	
Envelope Loads					Envelope Loads									
Skylite Solar	0	0	0	0	0	0	0	0.00	Skylite Solar	0	0	0.00		
Skylite Cond	0	0	0	0	0	0	0	0.00	Skylite Cond	0	0	0.00		
Roof Cond	0	259	259	3	0	0	-282	3.87	Roof Cond	0	-282	3.87		
Glass Solar	2,068	0	2,068	20	2,320	27	0	0.00	Glass Solar	0	0	0.00		
Glass/Door Cond	210	0	210	2	150	2	-578	7.94	Glass/Door Cond	-578	-578	7.94		
Wall Cond	264	27	291	3	243	3	-518	7.90	Wall Cond	-518	-518	7.90		
Partition/Door	0	0	0	0	0	0	0	0.00	Partition/Door	0	0	0.00		
Floor	0	0	0	0	0	0	0	0.00	Floor	0	0	0.00		
Adjacent Floor	0	0	0	0	0	0	0	0.00	Adjacent Floor	0	0	0.00		
Infiltration	0	0	0	0	0	0	0	0.00	Infiltration	0	0	0.00		
Sub Total ==>	2,543	287	2,829	28	2,713	32	-1,096	19.71	Sub Total ==>	-1,096	-1,434	19.71		
Internal Loads					Internal Loads									
Lights	541	0	541	5	541	6	0	0.00	Lights	0	0	0.00		
People	4,036	0	4,036	39	2,438	29	0	0.00	People	0	0	0.00		
Misc	721	0	721	7	721	8	0	0.00	Misc	0	0	0.00		
Sub Total ==>	5,298	0	5,298	52	3,700	43	0	0.00	Sub Total ==>	0	0	0.00		
Ceiling Load	245	-245	0	0	244	3	-302	0.00	Ceiling Load	-302	0	0.00		
Ventilation Load	0	0	-39	0	0	0	-3,409	46.84	Ventilation Load	0	-3,409	46.84		
Adj Air Trans Heat	0	0	0	0	0	0	0	0	Adj Air Trans Heat	0	0	0		
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	Ov/Undr Sizing	0	0	0.00		
Ov/Undr Sizing	1,897	0	1,897	19	1,897	22	0	0.00	Exhaust Heat	0	0	0.00		
Exhaust Heat	0	-58	-58	-1	0	0	0	0.00	OA Preheat Diff.	0	0	0.00		
Sup. Fan Heat	0	201	201	2	0	0	0	0.00	RA Preheat Diff.	0	0	0.00		
Ret. Fan Heat	0	102	102	1	0	0	-2,471	33.96	Additional Reheat	0	-2,471	33.96		
Duct Heat Pkup	0	0	0	0	0	0	37	-0.51	System Plenum Heat	0	37	-0.51		
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	Underflr Sup Ht Pkup	0	0	0.00		
Supply Air Leakage	0	0	0	0	0	0	0	0.00	Supply Air Leakage	0	0	0.00		
Grand Total ==>	9,982	86	10,230	100.00	8,553	100.00	-1,397	100.00	Grand Total ==>	-1,397	-7,277	100.00		

AIRFLOWS		
	Cooling	Heating
Diffuser	114	114
Terminal	114	114
Main Fan	114	114
Sec Fan	0	0
Nom Vent	65	65
AHU Vent	65	65
Infil	0	0
MinStop/Rh	114	114
Return	114	114
Exhaust	65	65
Rm Exh	0	0
Auxiliary	1,510	1,510
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	57.0	57.0
cfm/ft²	0.50	0.50
cfm/ton	398.99	
ft²/ton	791.66	
Btu/hr-ft²	15.16	-22.26
No. People	10.3	45.5/1000 ft²

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	3.4	3.1	114	84.9	63.8	57.6	55.0	52.7	57.6
Aux Clg	0.6	6.8	6.8	1,510	75.0	63.4	71.8	70.8	62.0	71.8
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.9	10.2								

AREAS			
	Gross Total	Glass ft²	(%)
Floor	227		
Part	0		
Int Door	0		
ExFlr	0		
Roof	227	0	0
Wall	239	36	15
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-2.5	114	55.0	75.0
Aux Htg	-10.2	1,510	70.0	76.3
Preheat	-2.6	114	42.4	59.1
Reheat	-3.1	114	55.0	75.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-15.3			

Room Checksums

By MFIA Inc.

212 STAFF RR

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 17			Mo/Hr: 7 / 17		Mo/Hr: Heating Design						Cooling	Heating			
Outside Air:		OADB/WB/HR: 92 / 64 / 49			OADB: 92		OADB: 22						SADB	55.0	75.0		
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent	Space Sens	Tot Sens	Of Total	Return	78.4	65.8			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA	75.8	70.0			
Envelope Loads					Envelope Loads										Fn MtrTD	0.2	0.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00				Fn BldTD	0.4	0.0			
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00				Fn Frict	1.1	0.0			
Roof Cond	0	72	13	0	0	Roof Cond	0	17.94				AIRFLOWS					
Glass Solar	0	0	0	0	0	Glass Solar	0	0.00				Diffuser	5	5			
Glass/Door Cond	0	0	0	0	0	Glass/Door Cond	0	0.00				Terminal	5	5			
Wall Cond	0	0	0	0	0	Wall Cond	0	0.00				Main Fan	5	5			
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00				Sec Fan	0	0			
Floor	0	0	0	0	0	Floor	0	0.00				Nom Vent	3	3			
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00				AHU Vent	3	3			
Infiltration	0	0	0	0	0	Infiltration	0	0.00				Infil	0	0			
Sub Total ==>	0	72	13	0	0	Sub Total ==>	0	17.94				MinStop/Rh	5	5			
Internal Loads					Internal Loads										Return	5	5
Lights	126	0	24	126	28	Lights	0	0.00				Exhaust	3	3			
People	78	0	15	43	10	People	0	0.00				Rm Exh	0	0			
Misc	167	0	31	167	38	Misc	0	0.00				Auxiliary	242	242			
Sub Total ==>	371	0	69	336	76	Sub Total ==>	0	0.00				Leakage Dwn	0	0			
Ceiling Load	56	-56	0	56	13	Ceiling Load	-69	0.00				Leakage Ups	0	0			
Ventilation Load	0	0	5	0	0	Ventilation Load	0	45.30				ENGINEERING CKS					
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0				% OA	57.0	57.0			
Dehumid. Ov Sizing			0			Ov/Undr Sizing	0	0.00				cfm/ft²	0.11	0.11			
Ov/Undr Sizing	51		10	51	12	Exhaust Heat	0	0.00				cfm/ton	313.16				
Exhaust Heat		-3	-1			OA Preheat Diff.	0	0.00				ft²/ton	2,974.99				
Sup. Fan Heat			2			RA Preheat Diff.	0	0.00				Btu/hr-ft²	4.03	-4.02			
Ret. Fan Heat		5	1			Additional Reheat		35.51				No. People	0.2	3.3/1000 ft²			
Duct Heat Pkup		0	0			System Plenum Heat		-5	1.25								
Underflr Sup Ht Pkup		0	0			Underflr Sup Ht Pkup		0	0.00								
Supply Air Leakage		0	0			Supply Air Leakage		0	0.00								
Grand Total ==>	478	18	100.00	535	100.00	Grand Total ==>	-69	100.00	-360	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	Ent	Lvg	Capacity	Coil Airflow	Ent	Lvg
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								
Main Clg	0.0	0.2	0.2	5	84.8	63.1	54.4	53.4	49.4	47.7	Floor	52		Main Htg	-0.1	5	53.4	75.0
Aux Clg	0.0	0.3	0.3	242	75.0	63.4	71.8	73.8	63.0	71.8	Part	0		Aux Htg	-0.5	242	70.0	71.9
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	-0.1	5	42.4	53.4
											ExFlr	0		Reheat	-0.2	5	53.4	75.0
Total	0.1	0.5									Roof	52	0	Humidif	0.0	0	0.0	0.0
											Wall	0	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	Total	-0.7			

Room Checksums

By MFIA Inc.

213 SMALL GROUP

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 8 / 16		Mo/Hr: 9 / 17		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 94 / 65 / 49		OADB: 87		OADB: 22						SADB	61.2	75.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	78.4	65.8
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.8	70.0
Envelope Loads				Envelope Loads								Ret/OA	86.3	42.4
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	229	2	0	0	0	-302	4.07	0	0	0.00	Fn Frict	1.1	0.0
Glass Solar	2,110	0	19	2,309	25	0	0	0.00	0	0	0.00			
Glass/Door Cond	226	0	2	149	2	-577	-577	7.79	-577	-577	7.79			
Wall Cond	56	6	1	86	1	-217	-246	3.32	-217	-246	3.32			
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00			
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00			
Sub Total ==>	2,392	235	24	2,627	28	-794	-1,125	15.17	-794	-1,125	15.17			
Internal Loads				Internal Loads								AIRFLOWS		
Lights	557	0	5	588	6	0	0	0.00	0	0	0.00	Diffuser	122	122
People	4,292	0	39	2,706	30	0	0	0.00	0	0	0.00	Terminal	122	122
Misc	738	0	7	780	9	0	0	0.00	0	0	0.00	Main Fan	122	122
Sub Total ==>	5,587	0	51	4,074	45	0	0	0.00	0	0	0.00	Sec Fan	0	0
Ceiling Load	262	-262	0	261	3	-323	0	0.00	-323	0	0.00	Nom Vent	70	70
Ventilation Load	0	0	3	0	0	0	-3,651	49.24	0	0	0.00	AHU Vent	70	70
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0.00	Infil	0	0
Dehumid. Ov Sizing			0									MinStop/Rh	122	122
Ov/Undr Sizing	2,216		20	2,216	24	0	0	0.00	0	0	0.00	Return	122	122
Exhaust Heat		-62	-1			0	0	0.00	0	0	0.00	Exhaust	70	70
Sup. Fan Heat		216	2			0	0	0.00	0	0	0.00	Rm Exh	0	0
Ret. Fan Heat		109	1			0	-2,647	35.70	0	0	0.00	Auxiliary	1,605	1,605
Duct Heat Pkup		0	0			0	8	-0.11	0	0	0.00	Leakage Dwn	0	0
Underflr Sup Ht Pkup		0	0			0	0	0.00	0	0	0.00	Leakage Ups	0	0
Supply Air Leakage		0	0			0	0	0.00	0	0	0.00			
Grand Total ==>	10,457	20	100.00	9,096	100.00	-1,117	-7,415	100.00	-1,117	-7,415	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	ft² (%)	Capacity	Coil Airflow	Ent °F	Lvg °F	
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F
Main Clg	0.3	3.7	3.2	122	86.3	64.6	59.5	55.0	53.2	59.5	Floor	243		-2.7	122	55.0	75.0	
Aux Clg	0.6	7.3	7.3	1,605	75.0	63.4	71.8	70.8	62.0	71.8	Part	0		-10.9	1,605	70.0	76.3	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		-2.9	122	42.4	59.6	
											ExFlr	0		-3.3	122	55.0	75.0	
Total	0.9	11.0									Roof	243	0	0.0	0	0.0	0.0	
											Wall	123	36	29	0.0	0	0.0	0.0
											Ext Door	0	0	0	-16.4			

Room Checksums

By MFIA Inc.

214 LARGE GROUP

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 16		Mo/Hr: 8 / 17		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 94 / 66 / 53		OADB: 92		OADB: 22						SADB	73.0	75.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	78.4	65.8
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.8	70.0
Envelope Loads				Envelope Loads				Envelope Loads				Ret/OA	86.1	42.4
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	496	3	0	0	0	-570	4.20	0	-570	4.20	Fn Frict	1.1	0.0
Glass Solar	1,811	0	10	2,116	15	0	0	0.00	0	0	0.00	AIRFLOWS		
Glass/Door Cond	221	0	1	210	1	-578	-578	4.26	-578	-578	4.26	Diffuser	231	231
Wall Cond	116	10	1	205	1	-483	-536	3.95	-483	-536	3.95	Terminal	231	231
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	231	231
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	132	132
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	132	132
Sub Total ==>	2,148	506	15	2,531	18	-1,060	-1,684	12.41	-1,060	-1,684	12.41	Infil	0	0
Internal Loads				Internal Loads				Internal Loads				MinStop/Rh	231	231
Lights	1,052	0	6	1,111	8	0	0	0.00	0	0	0.00	Return	231	231
People	8,107	0	47	5,112	36	0	0	0.00	0	0	0.00	Exhaust	132	132
Misc	1,394	0	8	1,473	10	0	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	10,553	0	61	7,695	54	0	0	0.00	0	0	0.00	Auxiliary	3,004	3,004
Ceiling Load	495	-495	0	494	3	-610	0	0.00	-610	0	0.00	Leakage Dwn	0	0
Ventilation Load	0	0	1	0	0	0	-6,897	50.83	0	-6,897	50.83	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	ENGINEERING CKS		
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	57.0	57.0
Ov/Undr Sizing	3,521	-117	20	3,521	25	0	0	0.00	0	0	0.00	cfm/ft²	0.50	0.50
Exhaust Heat	0	-117	-1	0	0	0	0	0.00	0	0	0.00	cfm/ton	768.63	
Sup. Fan Heat	0	407	2	0	0	0	0	0.00	0	0	0.00	ft²/ton	1,525.10	
Ret. Fan Heat	0	206	1	0	0	0	-5,000	36.85	0	-5,000	36.85	Btu/hr-ft²	7.87	-30.61
Duct Heat Pkup	0	0	0	0	0	0	13	-0.10	0	13	-0.10	No. People	20.9	45.5/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	16,717	99	100.00	14,241	100.00	-1,671	-13,567	100.00	-1,671	-13,567	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
Main Clg	0.3	3.6	2.9	231	86.1	65.6	64.9	55.0	54.6	64.9	Floor	459			Main Htg	-5.0	231	55.0	75.0
Aux Clg	1.2	13.7	13.7	3,004	75.0	63.4	71.8	70.8	62.0	71.8	Part	0			Aux Htg	-20.7	3,004	70.0	76.4
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0			Preheat	-9.1	231	42.4	71.4
											ExFlr	0			Reheat	-6.3	231	55.0	75.0
Total	1.5	17.4									Roof	459	0	0	Humidif	0.0	0	0.0	0.0
											Wall	225	36	16	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	Total	-34.7			

Room Checksums

By MFIA Inc.

215 SMALL GROUP

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 8 / 16		Mo/Hr: 9 / 17		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 94 / 65 / 49		OADB: 87		OADB: 22						SADB	61.6	75.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	78.4	65.8
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.8	70.0
Envelope Loads				Envelope Loads				Envelope Loads				Ret/OA	86.3	42.4
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	250	2	0	0	0	-329	4.06	0	-329	4.06	Fn Frict	1.1	0.0
Glass Solar	2,110	0	18	2,310	23	0	0	0.00	0	0	0.00			
Glass/Door Cond	226	0	2	149	2	-578	-578	7.13	-578	-578	7.13			
Wall Cond	80	8	1	122	1	-307	-344	4.25	-307	-344	4.25			
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00			
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00			
<i>Sub Total ==></i>	2,416	257	2,674	22	2,581	26	-885	15.44	-885	-1,251	15.44			
Internal Loads				Internal Loads				Internal Loads						
Lights	607	0	607	5	642	7	0	0.00	0	0	0.00			
People	4,680	0	4,680	39	2,951	30	0	0.00	0	0	0.00			
Misc	805	0	805	7	850	9	0	0.00	0	0	0.00			
<i>Sub Total ==></i>	6,093	0	6,093	51	4,443	45	0	0.00	0	0	0.00			
Ceiling Load	286	-286	0	0	285	3	-352	0.00	-352	0	0.00			
Ventilation Load	0	0	320	3	0	0	0	49.12	0	-3,982	49.12			
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0			
Dehumid. Ov Sizing			0	0			0	0.00	0	0	0.00			
Ov/Undr Sizing	2,559		2,559	21	2,559	26	0	0.00	0	0	0.00			
Exhaust Heat		-68	-68	-1			0	0.00	0	0	0.00			
Sup. Fan Heat			235	2			0	0.00	0	0	0.00			
Ret. Fan Heat		119	119	1			-2,887	35.61		-2,887	35.61			
Duct Heat Pkup		0	0	0			14	-0.18		14	-0.18			
Underflr Sup Ht Pkup		0	0	0			0	0.00		0	0.00			
Supply Air Leakage		0	0	0			0	0.00		0	0.00			
<i>Grand Total ==></i>	11,354	22	11,932	100.00	9,868	100.00	-1,237	100.00	-1,237	-8,105	100.00			

AIRFLOWS		
	Cooling	Heating
Diffuser	134	134
Terminal	134	134
Main Fan	134	134
Sec Fan	0	0
Nom Vent	76	76
AHU Vent	76	76
Infil	0	0
MinStop/Rh	134	134
Return	134	134
Exhaust	76	76
Rm Exh	0	0
Auxiliary	1,732	1,732
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	57.0	57.0
cfm/ft²	0.50	0.50
cfm/ton	400.82	
ft²/ton	795.30	
Btu/hr-ft²	15.09	-22.84
No. People	12.0	45.5/1000 ft²

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	°F	gr/lb
Main Clg	0.3	4.0	3.4	134	86.3	64.6	59.5	55.0	53.2	59.5
Aux Clg	0.7	7.9	7.9	1,732	75.0	63.4	71.8	70.8	62.0	71.8
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.0	11.9								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	265		
Part	0		
Int Door	0		
ExFlr	0		
Roof	265	0	0
Wall	157	36	23
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	-2.9	134	55.0	75.0
Aux Htg	-11.9	1,732	70.0	76.4
Preheat	-3.2	134	42.4	60.0
Reheat	-3.6	134	55.0	75.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-18.0			

Room Checksums

By MFIA Inc.

216 STOR

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 17			Mo/Hr: 7 / 17		Mo/Hr: Heating Design			Mo/Hr: Heating Design			Cooling	Heating			
Outside Air:		OADB/WB/HR: 92 / 64 / 49			OADB: 92		OADB: 22			OADB: 22			SADB	55.0	75.0		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent	Space Sens	Tot Sens	Of Total	Return	78.4	65.8			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA	75.8	70.0			
Envelope Loads					Envelope Loads												
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0			
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0			
Roof Cond	0	91	91	13	0	0	-82	17.94	0	-82	17.94	Fn Frict	1.1	0.0			
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	AIRFLOWS					
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	7	7			
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	7	7			
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	7	7			
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0			
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	4	4			
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	4	4			
Sub Total ==>	0	91	91	13	0	0	-82	17.94	0	-82	17.94	Infil	0	0			
Internal Loads					Internal Loads												
Lights	160	0	160	24	160	28	0	0.00	0	0	0.00	MinStop/Rh	7	7			
People	99	0	99	15	55	10	0	0.00	0	0	0.00	Return	7	7			
Misc	211	0	211	31	211	38	0	0.00	0	0	0.00	Exhaust	4	4			
Sub Total ==>	470	0	470	69	426	76	0	0.00	0	0	0.00	Rm Exh	0	0			
Ceiling Load	71	-71	0	0	71	13	-88	0.00	-88	0	0.00	Auxiliary	243	243			
Ventilation Load	0	0	37	5	0	0	-207	45.30	0	-207	45.30	Leakage Dwn	0	0			
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	Leakage Ups	0	0			
Dehumid. Ov Sizing			0	0			0	0.00	0	0	0.00	ENGINEERING CKS					
Ov/Undr Sizing	65		65	10	65	12	0	0.00				% OA	57.0	57.0			
Exhaust Heat		-4	-4	-1			0	0.00				cfm/ft²	0.11	0.11			
Sup. Fan Heat			12	2			0	0.00				cfm/ton	313.15				
Ret. Fan Heat		6	6	1			-162	35.51				ft²/ton	2,974.93				
Duct Heat Pkup		0	0	0			-6	1.26				Btu/hr-ft²	4.03	-4.02			
Underflr Sup Ht Pkup		0	0	0			0	0.00				No. People	0.2	3.3/1000 ft²			
Supply Air Leakage		0	0	0			0	0.00									
Grand Total ==>	606	23	678	100.00	562	100.00	-88	100.00	-88	-457	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	Ent	Lvg	Capacity	Coil Airflow	Ent	Lvg
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								
Main Clg	0.0	0.3	0.3	7	84.8	63.1	54.4	53.4	49.4	47.7	Floor	66		Main Htg	-0.2	7	53.4	75.0
Aux Clg	0.0	0.4	0.4	243	75.0	63.4	71.8	73.4	62.9	71.8	Part	0		Aux Htg	-0.6	243	70.0	72.4
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	-0.1	7	42.4	53.4
											ExFlr	0		Reheat	-0.2	7	53.4	75.0
Total	0.1	0.7									Roof	66	0	Humidif	0.0	0	0.0	0.0
											Wall	0	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	Total	-0.9			

Room Checksums

By MFIA Inc.

217 LARGE GROUP

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 8 / 16		Mo/Hr: 8 / 17		Mo/Hr: Heating Design			Cooling		Heating	SADB	63.5	75.0
Outside Air:		OADB/WB/HR: 94 / 65 / 49		OADB: 92		OADB: 22			Ra Plenum		65.8	Return	75.8	70.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Tot Sens Btu/h	(%)	86.3	0.2	0.0	0.0		
Envelope Loads				Envelope Loads							AIRFLOWS			
Skylite Solar	0	0	0	0	0	0	0	0.00	Diffuser	220	220			
Skylite Cond	0	0	0	0	0	0	0	0.00	Terminal	220	220			
Roof Cond	0	411	2	0	0	0	-543	4.18	Main Fan	220	220			
Glass Solar	2,110	0	11	2,116	13	0	0	0.00	Sec Fan	0	0			
Glass/Door Cond	226	0	1	210	1	-578	-578	4.45	Nom Vent	126	126			
Wall Cond	129	11	1	210	1	-495	-550	4.24	AHU Vent	126	126			
Partition/Door	0	0	0	0	0	0	0	0.00	Infil	0	0			
Floor	0	0	0	0	0	0	0	0.00	MinStop/Rh	220	220			
Adjacent Floor	0	0	0	0	0	0	0	0.00	Return	220	220			
Infiltration	0	0	0	0	0	0	0	0.00	Exhaust	126	126			
Sub Total ==>	2,466	423	2,888	15	2,537	-1,073	-1,671	12.87	Rm Exh	0	0			
Internal Loads				Internal Loads							ENGINEERING CKS			
Lights	1,001	0	1,001	5	1,058	0	0	0.00	% OA	57.0	57.0			
People	7,718	0	7,718	41	4,867	0	-6,566	50.59	cfm/ft²	0.50	0.50			
Misc	1,327	0	1,327	7	1,402	0	0	0.00	cfm/ton	462.93				
Sub Total ==>	10,047	0	10,047	53	7,327	0	0	0.00	ft²/ton	918.53				
Ceiling Load	472	-472	0	0	470	-581	0	0.00	Btu/hr-ft²	13.06	-24.15			
Ventilation Load	0	0	-100	-1	0	0	-6,566	50.59	No. People	19.9	45.5/1000 ft²			
Adj Air Trans Heat	0	0	0	0	0	0	0	0						
Dehumid. Ov Sizing			0	0			0	0.00						
Ov/Undr Sizing	5,484		5,484	29	5,484		0	0.00						
Exhaust Heat		-112	-112	-1			0	0.00						
Sup. Fan Heat			388	2			0	0.00						
Ret. Fan Heat		196	196	1			-4,760	36.67						
Duct Heat Pkup		0	0	0			17	-0.13						
Underflr Sup Ht Pkup		0	0	0			0	0.00						
Supply Air Leakage		0	0	0			0	0.00						
Grand Total ==>	18,469	36	18,792	100.00	15,818	100.00	-1,654	-12,980	100.00					

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass ft²	Gross (%)	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb							
Main Clg	0.5	5.7	5.3	220	86.3	65.3	62.7	55.0	54.0	62.7	Floor	437	Main Htg	-4.8	220	55.0	75.0
Aux Clg	1.1	13.1	13.1	2,825	75.0	63.4	71.8	70.7	62.0	71.8	Part	0	Aux Htg	-19.7	2,825	70.0	76.4
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	-5.8	220	42.4	61.9
											ExFlr	0	Reheat	-6.0	220	55.0	75.0
Total	1.6	18.8									Roof	437	Humidif	0.0	0	0.0	0.0
											Wall	230	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	Total	-30.2			

Room Checksums

By MFIA Inc.

218 ELECT

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES		
Peaked at Time:		Mo/Hr: 0 / 0		Mo/Hr: 0 / 0		Mo/Hr: Heating Design			Cooling	Heating			
Outside Air:		OADB/WB/HR: 0 / 0 / 0		OADB: 0		OADB: 22			SADB	0.0	70.0		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	0.0	68.3		
Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens		Ret/OA	0.0	68.3		
							Btu/h	Btu/h		Fn MtrTD	0.0	0.0	
										Fn BldTD	0.0	0.0	
										Fn Frict	0.0	0.0	
Envelope Loads				Envelope Loads									
Skylite Solar	0	0	0	0	0	0	0	0.00					
Skylite Cond	0	0	0	0	0	0	0	0.00					
Roof Cond	0	0	0	0	0	0	-137	247.67					
Glass Solar	0	0	0	0	0	0	0	0.00					
Glass/Door Cond	0	0	0	0	0	0	0	0.00					
Wall Cond	0	0	0	0	0	0	0	0.00					
Partition/Door	0	0	0	0	0	0	0	0.00					
Floor	0	0	0	0	0	0	0	0.00					
Adjacent Floor	0	0	0	0	0	0	0	0.00					
Infiltration	0	0	0	0	0	0	0	0.00					
Sub Total ==>	0	0	0	0	0	0	0	247.67					
Internal Loads				Internal Loads									
Lights	0	0	0	0	0	0	0	0.00					
People	0	0	0	0	0	0	0	0.00					
Misc	0	0	0	0	0	0	0	0.00					
Sub Total ==>	0	0	0	0	0	0	0	0.00					
Ceiling Load	0	0	0	0	0	0	-55	0.00					
Ventilation Load	0	0	0	0	0	0	0	0.00					
Adj Air Trans Heat	0	0	0	0	0	0	0	0					
Dehumid. Ov Sizing			0	0	0	0	0	0.00					
Ov/Undr Sizing	0		0	0	0	0	0	0.00					
Exhaust Heat		0	0	0	0	0	0	0.00					
Sup. Fan Heat			0	0	0	0	0	0.00					
Ret. Fan Heat		0	0	0	0	0	0	0.00					
Duct Heat Pkup		0	0	0	0	0	82	-147.67					
Underflr Sup Ht Pkup			0	0	0	0	0	0.00					
Supply Air Leakage		0	0	0	0	0	0	0.00					
Grand Total ==>	0	0	0	100.00	0	100.00	-55	-55	100.00				

AIRFLOWS		
	Cooling	Heating
Diffuser	0	0
Terminal	0	0
Main Fan	0	0
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	0	0
MinStop/Rh	0	0
Return	0	0
Exhaust	0	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft²	0.00	0.00
cfm/ton	0.00	0.00
ft²/ton	0.00	0.00
Btu/hr-ft²	0.00	0.00
No. People	0.3	3.3/1000 ft²

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	°F	gr/lb
Main Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	104		
Part	0		
Int Door	0		
ExFlr	0		
Roof	104	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	0.0	0	68.3	70.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	0.0			

Room Checksums

By MFIA Inc.

219 IT

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 9 / 17		Mo/Hr: 9 / 17		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating	
Outside Air:		OADB/WB/HR: 87 / 60 / 38		OADB: 87		OADB: 22		OADB: 22				SADB	55.0	75.0
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	78.4	65.8
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.8	70.0
Envelope Loads				Envelope Loads				Envelope Loads				Fn MtrTD	0.2	0.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.4	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Fn Frict	1.1	0.0
Roof Cond	0	106	3	0	0	Roof Cond	-172	5.60	Roof Cond	0	0.00	AIRFLOWS		
Glass Solar	2,320	0	61	2,320	65	Glass Solar	0	0.00	Glass Solar	0	0.00	Diffuser	43	43
Glass/Door Cond	150	0	4	150	4	Glass/Door Cond	-578	18.83	Glass/Door Cond	-578	18.83	Terminal	43	43
Wall Cond	71	8	2	71	2	Wall Cond	-205	7.58	Wall Cond	-233	7.58	Main Fan	43	43
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00	Partition/Door	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	Floor	0	0.00	Floor	0	0.00	Nom Vent	21	21
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	Adjacent Floor	0	0.00	AHU Vent	21	21
Infiltration	0	0	0	0	0	Infiltration	0	0.00	Infiltration	0	0.00	Infil	0	0
Sub Total ==>	2,541	114	2,655	70	71	Sub Total ==>	-782	32.02	Sub Total ==>	-982	32.02	MinStop/Rh	43	43
Internal Loads				Internal Loads				Internal Loads				Return	43	43
Lights	330	0	9	330	9	Lights	0	0.00	Lights	0	0.00	Exhaust	21	21
People	203	0	5	111	3	People	0	0.00	People	0	0.00	Rm Exh	0	0
Misc	440	0	12	440	12	Misc	0	0.00	Misc	0	0.00	Auxiliary	592	592
Sub Total ==>	973	0	26	880	25	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Leakage Dwn	0	0
Ceiling Load				Ceiling Load				Ceiling Load				Leakage Ups	0	0
Ventilation Load	0	0	2	0	0	Ventilation Load	0	35.45	Ventilation Load	-1,087	35.45	ENGINEERING CKS		
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0	Adj Air Trans Heat	0	0	% OA	47.9	47.9
Dehumid. Ov Sizing	0	0	0	0	0	Ov/Undr Sizing	0	0.00	Ov/Undr Sizing	0	0.00	cfm/ft²	0.31	0.31
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	0	0.00	Exhaust Heat	0	0.00	cfm/ton	394.67	
Exhaust Heat	-18	-18	0	0	0	OA Preheat Diff.	0	0.00	OA Preheat Diff.	0	0.00	ft²/ton	1,258.32	
Sup. Fan Heat	0	76	2	0	0	RA Preheat Diff.	0	0.00	RA Preheat Diff.	0	0.00	Btu/hr-ft²	9.54	-10.11
Ret. Fan Heat	39	39	1	0	0	Additional Reheat	-1,014	33.06	Additional Reheat	-1,014	33.06	No. People	0.5	3.3/1000 ft²
Duct Heat Pkup	0	0	0	0	0	System Plenum Heat	16	-0.52	System Plenum Heat	16	-0.52			
Underflr Sup Ht Pkup	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00	Underflr Sup Ht Pkup	0	0.00			
Supply Air Leakage	0	0	0	0	0	Supply Air Leakage	0	0.00	Supply Air Leakage	0	0.00			
Grand Total ==>	3,662	-15	3,812	100.00	100.00	Grand Total ==>	-966	100.00	Grand Total ==>	-3,067	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass ft² (%)	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F	
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb							
Main Clg	0.1	1.3	1.3	43	81.1	59.7	44.8	53.4	48.3	43.8	Floor	138					
Aux Clg	0.2	2.6	2.6	592	75.0	63.4	71.8	71.0	62.1	71.8	Part	0					
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0					
											ExFlr	0					
Total	0.3	3.9									Roof	138	0	0			
											Wall	118	36	30			
											Ext Door	0	0	0			
											Total	-5.3					

Room Checksums

By MFIA Inc.

220 RECEPTION

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 17		Mo/Hr: 7 / 17		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating	
Outside Air:		OADB/WB/HR: 92 / 64 / 49		OADB: 92		OADB: 22		OADB: 22				SADB	62.5	75.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	78.4	65.8
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.8	70.0
Envelope Loads				Envelope Loads				Envelope Loads				Fn MtrTD	0.2	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	1.1	0.0
Roof Cond	0	589	589	9	0	0	-529	12.14	0	-158	3.63	AIRFLOWS		
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	71	71
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	71	71
Wall Cond	56	5	60	1	56	1	-145	3.63	0	0	0.00	Main Fan	71	71
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	40	40
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	40	40
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	Infil	0	0
Sub Total ==>	56	594	649	10	56	1	-145	15.77	-145	-687	15.77	MinStop/Rh	71	71
Internal Loads				Internal Loads				Internal Loads				Return	71	71
Lights	1,031	0	1,031	17	1,031	20	0	0.00	0	0	0.00	Exhaust	40	40
People	1,340	0	1,340	22	744	14	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	1,366	0	1,366	22	1,366	26	0	0.00	0	0	0.00	Auxiliary	914	914
Sub Total ==>	3,736	0	3,736	60	3,141	61	0	0.00	0	0	0.00	Leakage Dwn	0	0
Ceiling Load				Ceiling Load				Ceiling Load				Leakage Ups	0	0
Ventilation Load	0	-459	0	0	458	9	-566	0.00	0	0	0.00	ENGINEERING CKS		
Adj Air Trans Heat	0	0	150	2	0	0	0	48.51	0	-2,115	48.51	% OA	57.0	57.0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	0.17	0.17
Ov/Undr Sizing	1,519	0	1,519	24	1,519	29	0	0.00	0	0	0.00	cfm/ton	427.12	
Exhaust Heat	0	-36	-36	-1	0	0	0	0.00	0	0	0.00	ft²/ton	2,563.64	
Sup. Fan Heat	0	0	125	2	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	4.68	-7.75
Ret. Fan Heat	0	63	63	1	0	0	0	0.00	0	0	0.00	No. People	3.0	7.0/1000 ft²
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	5,770	162	6,206	100.00	5,173	100.00	-711	100.00	-711	-4,359	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
Main Clg	0.2	2.0	2.0	71	84.8	63.8	57.9	55.0	52.8	57.9	Floor	426					Main Htg	-1.5	71	55.0	75.0
Aux Clg	0.4	4.2	4.2	914	75.0	63.4	71.8	70.7	62.0	71.8	Part	0					Aux Htg	-6.3	914	70.0	76.4
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0					Preheat	-1.8	71	42.4	60.9
											ExFlr	0					Reheat	-1.9	71	55.0	75.0
Total	0.5	6.2									Roof	426	0	0			Humidif	0.0	0	0.0	0.0
											Wall	56	0	0			Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0			Total	-9.6			

Room Checksums

By MFIA Inc.

220A WOMENS

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 9 / 17		Mo/Hr: 9 / 17		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating	
Outside Air:		OADB/WB/HR: 87 / 60 / 38		OADB: 87		OADB: 22		OADB: 22				SADB	55.0	75.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	78.4	65.8
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.8	70.0
Envelope Loads				Envelope Loads								Ret/OA	81.4	45.4
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	49	2	0	0	0	-80	3.08	0	0	0.00	Fn Frict	1.1	0.0
Glass Solar	2,320	0	2,320	79	2,320	78	0	0.00	0	0	0.00	AIRFLOWS		
Glass/Door Cond	150	0	150	5	150	5	-578	22.29	-578	-578	22.29	Diffuser	36	36
Wall Cond	39	6	45	2	39	1	-114	5.14	-133	-133	5.14	Terminal	36	36
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	36	36
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	18	18
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	18	18
Sub Total ==>	2,509	55	2,564	87	2,509	84	-691	30.52	-791	-791	30.52	Infil	0	0
Internal Loads				Internal Loads								MinStop/Rh	36	36
Lights	153	0	153	5	153	5	0	0.00	0	0	0.00	Return	36	36
People	95	0	95	3	52	2	0	0.00	0	0	0.00	Exhaust	18	18
Misc	204	0	204	7	204	7	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	452	0	452	15	409	14	0	0.00	0	0	0.00	Auxiliary	466	466
Ceiling Load				Ceiling Load								Leakage Dwn	0	0
Ventilation Load	0	0	-141	-5	0	0	-86	0.00	0	-966	37.29	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	ENGINEERING CKS		
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	50.9	50.9
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	0.56	0.56
Exhaust Heat	0	-16	-16	-1	0	0	0	0.00	0	0	0.00	cfm/ton	385.10	
Sup. Fan Heat	0	64	64	2	0	0	0	0.00	0	0	0.00	ft²/ton	682.09	
Ret. Fan Heat	0	32	32	1	0	0	0	0.00	-848	32.74		Btu/hr-ft²	17.59	-19.30
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	14	-0.54		No. People	0.2	3.3/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	3,031	2	2,955	100.00	2,988	100.00	-777	100.00	-2,591	-2,591	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F	
Main Clg	0.1	1.1	1.1	36	81.4	61.6	53.0	53.4	50.4	51.5	Floor	64	Main Htg	-0.9	36	53.4	75.0
Aux Clg	0.2	2.2	2.2	466	75.0	63.4	71.8	70.7	62.0	71.8	Part	0	Aux Htg	-3.2	466	70.0	76.4
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	-0.4	36	45.4	53.4
											ExFlr	0	Reheat	-1.1	36	53.4	75.0
Total	0.3	3.3									Roof	64	Humidif	0.0	0	0.0	0.0
											Wall	83	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	Total	-4.5			

Room Checksums

By MFIA Inc.

220B MENS

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 9 / 17		Mo/Hr: 9 / 17		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating	
Outside Air:		OADB/WB/HR: 87 / 60 / 38		OADB: 87		OADB: 22		OADB: 22				SADB	55.0	75.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	78.4	65.8
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	75.8	70.0
Envelope Loads				Envelope Loads								Ret/OA	81.4	45.4
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	46	3	0	0	0	-74	4.77	0	0	0.00	Fn Frict	1.1	0.0
Glass Solar	1,160	0	1,160	67	1,160	67	0	0.00	0	0	0.00	AIRFLOWS		
Glass/Door Cond	75	0	75	4	75	4	-289	18.63	-289	-289	18.63	Diffuser	21	21
Wall Cond	52	6	57	3	52	3	-149	10.78	-167	-167	10.78	Terminal	21	21
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	21	21
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	11	11
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	11	11
Sub Total ==>	1,286	51	1,337	78	1,286	74	-438	34.18	-530	-530	34.18	Infil	0	0
Internal Loads				Internal Loads								MinStop/Rh	21	21
Lights	142	0	142	8	142	8	0	0.00	0	0	0.00	Return	21	21
People	87	0	87	5	48	3	0	0.00	0	0	0.00	Exhaust	11	11
Misc	189	0	189	11	189	11	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	418	0	418	24	378	22	0	0.00	0	0	0.00	Auxiliary	284	284
Ceiling Load				Ceiling Load								Leakage Dwn	0	0
Ventilation Load	64	-64	0	0	64	4	-79	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	-80	-5	0	0	0	35.49	0	-550	35.49	ENGINEERING CKS		
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	50.9	50.9
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	0.35	0.35
Exhaust Heat	0	-9	-9	-1	0	0	0	0.00	0	0	0.00	cfm/ton	372.09	
Sup. Fan Heat	0	0	36	2	0	0	0	0.00	0	0	0.00	ft²/ton	1,069.66	
Ret. Fan Heat	0	18	18	1	0	0	0	0.00	-483	-483	31.17	Btu/hr-ft²	11.22	-11.89
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	13	13	-0.84	No. People	0.2	3.3/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	1,768	-4	1,720	100.00	1,729	100.00	-517	100.00	-1,550	-1,550	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
Main Clg	0.1	0.7	0.7	21	81.4	61.6	53.0	53.4	50.0	49.9	Floor	59			Main Htg	-0.5	21	53.4	75.0
Aux Clg	0.1	1.2	1.2	284	75.0	63.4	71.8	71.0	62.1	71.8	Part	0			Aux Htg	-1.9	284	70.0	76.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0			Preheat	-0.2	21	45.4	53.4
Total	0.2	1.9									ExFlr	0			Reheat	-0.6	21	53.4	75.0
											Roof	59	0	0	Humidif	0.0	0	0.0	0.0
											Wall	77	18	23	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	Total	-2.6			

Room Checksums

By MFIA Inc.

221 LARGE GROUP

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 8 / 16		Mo/Hr: 9 / 17		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 94 / 65 / 49		OADB: 87		OADB: 22						SADB	62.2	75.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	78.4	65.8
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.8	70.0
Envelope Loads				Envelope Loads				Envelope Loads				Ret/OA	86.3	42.4
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	431	2	0	0	0	-569	4.13	0	-569	4.13	Fn Frict	1.1	0.0
Glass Solar	3,166	0	15	3,464	20	0	0	0.00	0	0	0.00	AIRFLOWS		
Glass/Door Cond	339	0	2	224	1	-866	-866	6.29	-866	-866	6.29	Diffuser	231	231
Wall Cond	113	11	1	172	1	-434	-487	3.54	-434	-487	3.54	Terminal	231	231
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	231	231
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	132	132
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	132	132
Sub Total ==>	3,618	442	4,060	20	23	-1,300	-1,923	13.96	-1,300	-1,923	13.96	Infil	0	0
Internal Loads				Internal Loads				Internal Loads				MinStop/Rh	231	231
Lights	1,049	0	5	1,109	7	0	0	0.00	0	0	0.00	Return	231	231
People	8,089	0	39	5,100	30	0	0	0.00	0	0	0.00	Exhaust	132	132
Misc	1,391	0	7	1,469	9	0	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	10,530	0	10,530	51	45	0	0	0.00	0	0	0.00	Auxiliary	2,998	2,998
Ceiling Load	494	-494	0	493	3	-609	0	0.00	-609	0	0.00	Leakage Dwn	0	0
Ventilation Load	0	0	3	0	0	0	-6,882	49.94	0	-6,882	49.94	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	ENGINEERING CKS		
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	57.0	57.0
Ov/Undr Sizing	4,877	-117	24	4,877	29	0	0	0.00	0	0	0.00	cfm/ft²	0.50	0.50
Exhaust Heat	0	-117	-1	0	0	0	0	0.00	0	0	0.00	cfm/ton	407.27	
Sup. Fan Heat	0	406	2	0	0	0	0	0.00	0	0	0.00	ft²/ton	808.09	
Ret. Fan Heat	0	205	1	0	0	0	-4,989	36.20	0	-4,989	36.20	Btu/hr-ft²	14.85	-23.24
Duct Heat Pkup	0	0	0	0	0	0	14	-0.10	0	14	-0.10	No. People	20.8	45.5/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	19,519	36	20,512	100.00	16,908	100.00	-1,909	-13,780	100.00	-1,909	-13,780			

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
Main Clg	0.6	6.8	5.7	231	86.3	64.6	59.6	55.0	53.2	59.6	Floor	458			Main Htg	-5.0	231	55.0	75.0
Aux Clg	1.1	13.7	13.7	2,998	75.0	63.4	71.8	70.8	62.0	71.8	Part	0			Aux Htg	-20.6	2,998	70.0	76.4
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0			Preheat	-5.7	231	42.4	60.6
											ExFlr	0			Reheat	-6.2	231	55.0	75.0
Total	1.7	20.5									Roof	458	0	0	Humidif	0.0	0	0.0	0.0
											Wall	226	54	24	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	Total	-31.3			

Room Checksums

By MFIA Inc.

222 STOR

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 17			Mo/Hr: 7 / 17		Mo/Hr: Heating Design										
Outside Air:		OADB/WB/HR: 92 / 64 / 49			OADB: 92		OADB: 22										
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Cooling	Heating				
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)						
Envelope Loads					Envelope Loads										AIRFLOWS		
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00		Diffuser	13	13		
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00		Terminal	13	13		
Roof Cond	0	170	170	13	0	0	-153	14.74	0	0	0.00		Main Fan	13	13		
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00		Sec Fan	0	0		
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00		Nom Vent	7	7		
Wall Cond	71	6	77	6	71	7	-185	19.43	0	0	0.00		AHU Vent	7	7		
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00		Infil	0	0		
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00		MinStop/Rh	13	13		
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00		Return	13	13		
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00		Exhaust	7	7		
<i>Sub Total ==></i>	71	176	247	19	71	7	-185	34.18	0	0	0.00		Rm Exh	0	0		
Internal Loads					Internal Loads										ENGINEERING CKS		
Lights	298	0	298	23	298	28	0	0.00	0	0	0.00		% OA	57.0	57.0		
People	184	0	184	14	102	10	0	0.00	0	0	0.00		cfm/ft²	0.11	0.11		
Misc	394	0	394	31	394	38	0	0.00	0	0	0.00		cfm/ton	308.52			
<i>Sub Total ==></i>	876	0	876	69	794	76	0	0.00	0	0	0.00		ft²/ton	2,930.92			
Ceiling Load	133	-133	0	0	132	13	-163	0.00	0	0	0.00		Btu/hr-ft²	4.09	-4.02		
Ventilation Load	0	0	70	6	0	0	0	37.23	0	-386	37.23		No. People	0.4	3.3/1000 ft²		
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0.00						
Dehumid. Ov Sizing			0	0			0	0.00			0.00						
Ov/Undr Sizing	51		51	4	51	5	0	0.00			0.00						
Exhaust Heat		-7	-7	-1			0	0.00			0.00						
Sup. Fan Heat			23	2			0	0.00			0.00						
Ret. Fan Heat			12	1			-302	29.19			29.19						
Duct Heat Pkup			0	0			6	-0.59			-0.59						
Underflr Sup Ht Pkup			0	0			0	0.00			0.00						
Supply Air Leakage			0	0			0	0.00			0.00						
Grand Total ==>	1,131	48	1,272	100.00	1,048	100.00	-348	100.00	-348	-1,036	100.00						

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F
Main Clg	0.0	0.5	0.5	13	84.8	63.0	54.2	53.4	49.1	46.8
Aux Clg	0.1	0.8	0.8	245	75.0	63.4	71.8	72.1	62.4	71.8
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.1	1.3								

AREAS			
	Gross Total	Glass	(%)
		ft²	
Floor	123		
Part	0		
Int Door	0		
ExFlr	0		
Roof	123	0	0
Wall	71	0	0
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	
			MBh	°F
Main Htg	-0.3	13	53.4	75.0
Aux Htg	-1.2	245	70.0	74.4
Preheat	-0.2	13	42.4	53.4
Reheat	-0.4	13	53.4	75.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-1.7			

Room Checksums

By MFIA Inc.

223 SMALL GROUP

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 8 / 16		Mo/Hr: 9 / 17		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 94 / 65 / 49		OADB: 87		OADB: 22						SADB	61.8	75.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	78.4	65.8
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.8	70.0
Envelope Loads				Envelope Loads								Ret/OA	86.3	42.4
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	261	2	0	0	0	-344	4.11	0	0	0.00	Fn Frict	1.1	0.0
Glass Solar	2,110	0	2,110	17	2,310	22	0	0.00	0	0	0.00	AIRFLOWS		
Glass/Door Cond	226	0	226	2	149	1	-578	6.89	-578	-578	6.89	Diffuser	140	140
Wall Cond	68	7	74	1	103	1	-259	3.48	-292	-292	3.48	Terminal	140	140
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	140	140
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	80	80
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	80	80
Sub Total ==>	2,404	268	2,672	21	2,562	25	-837	14.48	-837	-1,214	14.48	Infil	0	0
Internal Loads				Internal Loads								MinStop/Rh	140	140
Lights	635	0	635	5	671	7	0	0.00	0	0	0.00	Return	140	140
People	4,892	0	4,892	39	3,085	30	0	0.00	0	0	0.00	Exhaust	80	80
Misc	841	0	841	7	889	9	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	6,369	0	6,369	51	4,644	45	0	0.00	0	0	0.00	Auxiliary	1,801	1,801
Ceiling Load	299	-299	0	0	298	3	-368	0.00	-368	0	0.00	Leakage Dwn	0	0
Ventilation Load	0	0	334	3	0	0	0	49.64	0	-4,162	49.64	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	ENGINEERING CKS		
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	57.0	57.0
Ov/Undr Sizing	2,775	0	2,775	22	2,775	27	0	0.00	0	0	0.00	cfm/ft²	0.50	0.50
Exhaust Heat	0	-71	-71	-1	0	0	0	0.00	0	0	0.00	cfm/ton	403.11	
Sup. Fan Heat	0	0	246	2	0	0	0	0.00	0	0	0.00	ft²/ton	799.85	
Ret. Fan Heat	0	124	124	1	0	0	0	0.00	0	-3,017	35.99	Btu/hr-ft²	15.00	-23.01
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	9	-0.11	-0.11	No. People	12.6	45.5/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	11,846	22	12,448	100.00	10,279	100.00	-1,205	100.00	-1,205	-8,384	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
Main Clg	0.4	4.2	3.5	140	86.3	64.6	59.5	55.0	53.2	59.5	Floor	277					Main Htg	-3.0	140	55.0	75.0
Aux Clg	0.7	8.3	8.3	1,801	75.0	63.4	71.8	70.7	62.0	71.8	Part	0					Aux Htg	-12.5	1,801	70.0	76.4
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0					Preheat	-3.4	140	42.4	60.2
											ExFlr	0					Reheat	-3.8	140	55.0	75.0
Total	1.0	12.5									Roof	277	0	0			Humidif	0.0	0	0.0	0.0
											Wall	139	36	26			Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0			Total	-18.8			

Room Checksums

By MFIA Inc.

224 CONFERENCE

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 8 / 16		Mo/Hr: 8 / 17		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 94 / 65 / 49		OADB: 92		OADB: 22						SADB	63.2	75.0
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent	Space Sens	Tot Sens	Of Total	Return	78.4	65.8
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA	75.8	70.0
Envelope Loads				Envelope Loads				Envelope Loads				Fn MtrTD	0.2	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	1.1	0.0
Roof Cond	0	357	2	0	0	0	-471	4.19	0	-471	4.19	AIRFLOWS		
Glass Solar	2,110	0	13	2,116	15	0	0	0.00	0	0	0.00	Diffuser	191	191
Glass/Door Cond	226	0	1	210	2	-578	-578	5.13	-578	-578	5.13	Terminal	191	191
Wall Cond	91	9	1	148	1	-349	-391	3.47	-349	-391	3.47	Main Fan	191	191
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	109	109
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	109	109
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	Infil	0	0
Sub Total ==>	2,428	365	2,793	17	2,475	18	-927	12.79	-927	-1,439	12.79	MinStop/Rh	191	191
Internal Loads				Internal Loads				Internal Loads				Return	191	191
Lights	868	0	868	5	918	7	0	0.00	0	0	0.00	Exhaust	109	109
People	6,694	0	6,694	41	4,221	31	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	1,151	0	1,151	7	1,216	9	0	0.00	0	0	0.00	Auxiliary	2,491	2,491
Sub Total ==>	8,714	0	8,714	53	6,354	46	0	0.00	0	0	0.00	Leakage Dwn	0	0
Leakage Ups	0	0	0	0	0	0	0	0.00	0	0	0.00	ENGINEERING CKS		
Ceiling Load	409	-409	0	0	408	3	-504	0.00	-504	0	0.00	% OA	57.0	57.0
Ventilation Load	0	0	-86	-1	0	0	0	50.60	0	-5,695	50.60	cfm/ft²	0.50	0.50
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	cfm/ton	454.93	
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	ft²/ton	902.65	
Ov/Undr Sizing	4,555	0	4,555	28	4,555	33	0	0.00	0	0	0.00	Btu/hr-ft²	13.29	-23.91
Exhaust Heat	0	-97	-97	-1	0	0	0	0.00	0	0	0.00	No. People	17.2	45.5/1000 ft²
Sup. Fan Heat	0	0	336	2	0	0	0	0.00	0	0	0.00			
Ret. Fan Heat	0	170	170	1	0	0	0	0.00	0	0	0.00			
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	16,105	30	16,385	100.00	13,791	100.00	-1,431	100.00	-1,431	-11,254	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	0.4	5.0	4.7	191	86.3	65.3	62.7	55.0	54.0	62.7	Floor	379		Main Htg	-4.1	191	55.0	75.0
Aux Clg	1.0	11.4	11.4	2,491	75.0	63.4	71.8	70.8	62.0	71.8	Part	0		Aux Htg	-17.1	2,491	70.0	76.3
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	-4.9	191	42.4	61.5
											ExFlr	0		Reheat	-5.2	191	55.0	75.0
Total	1.4	16.4									Roof	379	0	Humidif	0.0	0	0.0	0.0
											Wall	174	36	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	Total	-26.1			

Room Checksums

By MFIA Inc.

225 BREAK

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 8 / 17		Mo/Hr: 9 / 17		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 92 / 64 / 46		OADB: 87		OADB: 22						SADB	55.0	75.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	78.4	65.8
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.8	70.0
Envelope Loads				Envelope Loads								Ret/OA	83.9	45.6
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	299	5	0	0	0	-324	7.49	0	0	0.00	Fn Frict	1.1	0.0
Glass Solar	2,068	0	38	2,320	49	0	0	0.00	0	0	0.00	AIRFLOWS		
Glass/Door Cond	210	0	4	150	3	-578	-578	13.33	0	-578	13.33	Diffuser	58	58
Wall Cond	168	16	3	130	3	-520	-577	13.32	0	0	0.00	Terminal	58	58
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	58	58
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	29	29
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	29	29
Sub Total ==>	2,446	314	2,760	50	2,600	54	-1,098	34.14	-1,098	-1,479	34.14	Infil	0	0
Internal Loads				Internal Loads								MinStop/Rh	58	58
Lights	622	0	11	622	13	0	0	0.00	0	0	0.00	Return	58	58
People	805	0	15	440	9	0	0	0.00	0	0	0.00	Exhaust	29	29
Misc	830	0	15	830	17	0	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	2,257	0	2,257	41	1,892	40	0	0.00	0	0	0.00	Auxiliary	765	765
Ceiling Load	282	-282	0	281	6	-347	0	0.00	-347	0	0.00	Leakage Dwn	0	0
Ventilation Load	0	0	6	0	0	0	-1,531	35.35	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0.00	ENGINEERING CKS		
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	50.5	50.5
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	0.22	0.22
Exhaust Heat	0	-26	0	0	0	0	0	0.00	0	0	0.00	cfm/ton	341.24	
Sup. Fan Heat	0	102	2	0	0	0	0	0.00	0	0	0.00	ft²/ton	1,535.77	
Ret. Fan Heat	0	52	1	0	0	0	-1,355	31.29	0	0	0.00	Btu/hr-ft²	7.81	-7.54
Duct Heat Pkup	0	0	0	0	0	0	34	-0.79	0	0	0.00	No. People	1.8	7.0/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	4,985	58	5,484	100.00	4,773	100.00	-1,445	100.00	-1,445	-4,331	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft² (%)	MBh	cfm	°F	°F		
Main Clg	0.2	2.0	1.9	58	83.9	62.0	50.5	53.4	49.2	47.1	Floor	261		-1.4	58	53.4	75.0	
Aux Clg	0.3	3.4	3.4	765	75.0	63.4	71.8	70.8	62.0	71.8	Part	0		-5.2	765	70.0	76.3	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		-0.6	58	45.6	53.4	
											ExFlr	0		-1.7	58	53.4	75.0	
Total	0.5	5.5									Roof	261	0	0.0	0	0.0	0.0	
											Wall	239	36	15	0.0	0	0.0	0.0
											Ext Door	0	0	0	0.0	0	0.0	0.0
											Total			-7.1				

Room Checksums

By MFIA Inc.

225C STAFF RR

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 17			Mo/Hr: 7 / 17		Mo/Hr: Heating Design			Mo/Hr: Heating Design			Cooling	Heating			
Outside Air:		OADB/WB/HR: 92 / 64 / 49			OADB: 92		OADB: 22			OADB: 22			SADB	55.0	75.0		
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent	Space Sens	Tot Sens	Of Total	Return	78.4	65.8			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA	75.8	70.0			
Envelope Loads					Envelope Loads										Fn MtrTD	0.2	0.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00				Fn BldTD	0.4	0.0			
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00				Fn Frict	1.1	0.0			
Roof Cond	0	64	13	0	0	Roof Cond	-57	18.92				AIRFLOWS					
Glass Solar	0	0	0	0	0	Glass Solar	0	0.00				Cooling	Heating				
Glass/Door Cond	0	0	0	0	0	Glass/Door Cond	0	0.00				Diffuser	5	5			
Wall Cond	0	0	0	0	0	Wall Cond	0	0.00				Terminal	5	5			
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00				Main Fan	5	5			
Floor	0	0	0	0	0	Floor	0	0.00				Sec Fan	0	0			
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00				Nom Vent	2	2			
Infiltration	0	0	0	0	0	Infiltration	0	0.00				AHU Vent	2	2			
Sub Total ==>	0	64	13	0	0	Sub Total ==>	0	-57	18.92			Infil	0	0			
Internal Loads					Internal Loads										MinStop/Rh	5	5
Lights	111	0	23	111	28	Lights	0	0.00				Return	5	5			
People	69	0	14	38	10	People	0	0.00				Exhaust	2	2			
Misc	148	0	31	148	38	Misc	0	0.00				Rm Exh	0	0			
Sub Total ==>	328	0	68	298	76	Sub Total ==>	0	0.00				Auxiliary	242	242			
Ceiling Load	50	-50	0	50	13	Ceiling Load	-61	0.00				Leakage Dwn	0	0			
Ventilation Load	0	0	7	0	0	Ventilation Load	-128	42.31				Leakage Ups	0	0			
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0				ENGINEERING CKS					
Dehumid. Ov Sizing	0	0	0	0	0	Ov/Undr Sizing	0	0.00				Cooling	Heating				
Ov/Undr Sizing	46	46	9	46	12	Exhaust Heat	0	0.00				% OA	50.5	50.5			
Exhaust Heat	-2	-2	0	0	0	OA Preheat Diff.	0	0.00				cfm/ft²	0.11	0.11			
Sup. Fan Heat	9	9	2	0	0	RA Preheat Diff.	0	0.00				cfm/ton	300.88				
Ret. Fan Heat	4	4	1	0	0	Additional Reheat	-113	37.45				ft²/ton	2,858.33				
Duct Heat Pkup	0	0	0	0	0	System Plenum Heat	-4	1.32				Btu/hr-ft²	4.20	-3.57			
Underflr Sup Ht Pkup	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00				No. People	0.2	3.3/1000 ft²			
Supply Air Leakage	0	0	0	0	0	Supply Air Leakage	0	0.00									
Grand Total ==>	423	16	481	100.00	393	Grand Total ==>	-61	-302	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	Ent	Lvg	Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F									°F
Main Clg	0.0	0.2	0.2	5	83.7	62.3	52.1	53.4	47.7	41.6	Floor	46		Main Htg	-0.1	5	53.4	75.0	
Aux Clg	0.0	0.3	0.3	242	75.0	63.4	71.8	73.9	63.1	71.8	Part	0		Aux Htg	-0.4	242	70.0	71.7	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	-0.1	5	45.6	53.4	
											ExFlr	0		Reheat	-0.1	5	53.4	75.0	
Total	0.0	0.5									Roof	46	0	Humidif	0.0	0	0.0	0.0	
											Wall	0	0	Opt Vent	0.0	0	0.0	0.0	
											Ext Door	0	0	Total	-0.6				

Room Checksums

By MFIA Inc.

226 OFFICE

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 17		Mo/Hr: 7 / 21		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating	
Outside Air:		OADB/WB/HR: 92 / 64 / 49		OADB: 76		OADB: 22		OADB: 22				SADB	60.7	75.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	78.4	65.8
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.8	70.0
Envelope Loads				Envelope Loads								Ret/OA	84.8	42.4
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	73	73	6	0	0	-90	7.45	0	-539	44.39	Fn Frict	1.1	0.0
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00			
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00			
Wall Cond	117	8	126	11	313	35	-493	44.39	-493	-539	44.39			
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00			
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00			
<i>Sub Total ==></i>	117	81	199	17	313	35	-493	51.84	-493	-629	51.84			
Internal Loads				Internal Loads								AIRFLOWS		
Lights	174	0	174	15	130	14	0	0.00	0	0	0.00	Cooling	Heating	
People	216	0	216	18	66	7	0	0.00	0	0	0.00	Diffuser	12	12
Misc	231	0	231	19	162	18	0	0.00	0	0	0.00	Terminal	12	12
<i>Sub Total ==></i>	621	0	621	52	358	39	0	0.00	0	0	0.00	Main Fan	12	12
Ceiling Load	78	-78	0	0	78	9	-97	0.00	-97	0	0.00	Sec Fan	0	0
Ventilation Load	0	0	188	16	0	0	0	29.77	0	-361	29.77	Nom Vent	7	7
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	AHU Vent	7	7
Dehumid. Ov Sizing			0	0			0	0.00	0	0	0.00	Infil	0	0
Ov/Undr Sizing	157		157	13	157	17	0	0.00	0	0	0.00	MinStop/Rh	12	12
Exhaust Heat		-6	-6	-1			0	0.00	0	0	0.00	Return	12	12
Sup. Fan Heat			21	2			0	0.00	0	0	0.00	Exhaust	7	7
Ret. Fan Heat		11	11	1			0	0.00	0	0	0.00	Rm Exh	0	0
Duct Heat Pkup		0	0	0			0	0.00	0	0	0.00	Auxiliary	245	245
Underflr Sup Ht Pkup		0	0	0			0	0.00	0	0	0.00	Leakage Dwn	0	0
Supply Air Leakage		0	0	0			0	0.00	0	0	0.00	Leakage Ups	0	0
Grand Total ==>	974	8	1,191	100.00	907	100.00	-590	100.00	-590	-1,213	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	Ent	Lvg	Capacity	Coil Airflow	Ent	Lvg
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								
Main Clg	0.0	0.5	0.3	12	84.8	60.6	43.1	55.0	45.9	32.9	Floor	73		Main Htg	-0.3	12	55.0	75.0
Aux Clg	0.1	0.7	0.7	245	75.0	63.4	71.8	72.3	62.5	71.8	Part	0		Aux Htg	-1.1	245	70.0	74.1
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	-0.3	12	42.4	59.1
Total	0.1	1.2									ExFlr	0		Reheat	-0.3	12	55.0	75.0
											Roof	73	0	Humidif	0.0	0	0.0	0.0
											Wall	190	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	Total	-1.6			

Room Checksums

By MFIA Inc.

227 TEAMWORK

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 17		Mo/Hr: 7 / 17		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating	
Outside Air:		OADB/WB/HR: 92 / 64 / 49		OADB: 92		OADB: 22		OADB: 22				SADB	59.7	75.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	78.4	65.8
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.8	70.0
Envelope Loads				Envelope Loads								Ret/OA	84.8	42.4
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	476	476	9	0	0	-460	9.58	0	-460	12.89	Fn Frict	1.1	0.0
Glass Solar	352	0	352	6	352	8	0	0.00	0	0	0.00			
Glass/Door Cond	207	0	207	4	207	4	-579	12.07	-579	-579	12.07			
Wall Cond	235	23	258	5	235	5	-558	12.89	-558	-619	12.89			
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00			
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00			
Sub Total ==>	794	499	1,293	23	794	17	-1,137	34.54	-1,137	-1,658	34.54			
Internal Loads				Internal Loads								AIRFLOWS		
Lights	882	0	882	16	882	19	0	0.00	0	0	0.00	Cooling	Heating	
People	1,142	0	1,142	21	624	13	0	0.00	0	0	0.00	Diffuser	62	62
Misc	1,176	0	1,176	21	1,176	25	0	0.00	0	0	0.00	Terminal	62	62
Sub Total ==>	3,199	0	3,199	57	2,682	57	0	0.00	0	0	0.00	Main Fan	62	62
Ceiling Load	399	-399	0	0	398	9	-492	0.00	-492	0	0.00	Sec Fan	0	0
Ventilation Load	0	0	138	2	0	0	0	38.29	0	-1,838	38.29	Nom Vent	35	35
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	AHU Vent	35	35
Dehumid. Ov Sizing			0	0			0	0.00	0	0	0.00	Infil	0	0
Ov/Undr Sizing	805		805	14	805	17	0	0.00	0	0	0.00	MinStop/Rh	62	62
Exhaust Heat		-31	-31	-1			0	0.00	0	0	0.00	Return	62	62
Sup. Fan Heat			108	2			0	0.00	0	0	0.00	Exhaust	35	35
Ret. Fan Heat		55	55	1			0	0.00	0	0	0.00	Rm Exh	0	0
Duct Heat Pkup		0	0	0			0	0.00	0	0	0.00	Auxiliary	807	807
Underflr Sup Ht Pkup		0	0	0			0	0.00	0	0	0.00	Leakage Dwn	0	0
Supply Air Leakage		0	0	0			0	0.00	0	0	0.00	Leakage Ups	0	0
Grand Total ==>	5,198	123	5,567	100.00	4,679	100.00	-1,629	100.00	-1,629	-4,800	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	Lvg	Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F
Main Clg	0.2	1.9	1.9	62	84.8	63.8	57.8	55.0	52.8	57.8	Floor	370		Main Htg	-1.3	62	55.0	75.0
Aux Clg	0.3	3.7	3.7	807	75.0	63.4	71.8	70.8	62.0	71.8	Part	0		Aux Htg	-5.5	807	70.0	76.3
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	-1.3	62	42.4	58.1
											ExFlr	0		Reheat	-1.7	62	55.0	75.0
Total	0.5	5.6									Roof	370	0	Humidif	0.0	0	0.0	0.0
											Wall	254	36	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	Total	-8.1			

Room Checksums

By MFIA Inc.

228 CONSULT

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 11		Mo/Hr: 6 / 10		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 82 / 58 / 36		OADB: 72		OADB: 22						SADB	55.0	75.0
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	78.4	65.8
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.8	70.0
Envelope Loads				Envelope Loads								Ret/OA	78.4	49.5
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	-36	-1	0	0	Roof Cond	-160	7.02	0	0	0.00	Fn Frict	1.1	0.0
Glass Solar	1,209	0	51	1,574	65	Glass Solar	0	0.00	0	0	0.00			
Glass/Door Cond	27	0	1	-73	-3	Glass/Door Cond	-578	25.32	-578	-578	25.32			
Wall Cond	21	1	1	-6	0	Wall Cond	-216	10.74	-216	-245	10.74			
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00	0	0	0.00			
Floor	0	0	0	0	0	Floor	0	0.00	0	0	0.00			
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	0	0	0.00			
Infiltration	0	0	0	0	0	Infiltration	0	0.00	0	0	0.00			
<i>Sub Total ==></i>	1,257	-35	52	1,496	62	<i>Sub Total ==></i>	-795	43.08	-795	-984	43.08			
Internal Loads				Internal Loads								AIRFLOWS		
Lights	307	0	13	261	11	Lights	0	0.00	0	0	0.00	Diffuser	29	29
People	382	0	16	162	7	People	0	0.00	0	0	0.00	Terminal	29	29
Misc	410	0	17	365	15	Misc	0	0.00	0	0	0.00	Main Fan	29	29
<i>Sub Total ==></i>	1,100	0	46	789	33	<i>Sub Total ==></i>	0	0.00	0	0	0.00	Sec Fan	0	0
Ceiling Load	139	-139	0	139	6	Ceiling Load	-172	0.00	0	0	0.00	Nom Vent	12	12
Ventilation Load	0	0	-17	0	0	Ventilation Load	0	28.05	0	-641	28.05	AHU Vent	12	12
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0	0	0	0	Infil	0	0
Dehumid. Ov Sizing			0			Ov/Undr Sizing	0	0.00	0	0	0.00	MinStop/Rh	29	29
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	0	0.00	0	0	0.00	Return	29	29
Exhaust Heat		-11	0			OA Preheat Diff.	0	0.00	0	0	0.00	Exhaust	12	12
Sup. Fan Heat			51			RA Preheat Diff.	0	0.00	0	0	0.00	Rm Exh	0	0
Ret. Fan Heat			26			Additional Reheat		-677	29.65		-677	Auxiliary	382	382
Duct Heat Pkup			0			System Plenum Heat		18	-0.78		18	Leakage Dwn	0	0
Underflr Sup Ht Pkup			0			Underflr Sup Ht Pkup		0	0.00		0	Leakage Ups	0	0
Supply Air Leakage			0			Supply Air Leakage		0	0.00		0			
<i>Grand Total ==></i>	2,496	-159	100.00	2,423	100.00	<i>Grand Total ==></i>	-966	100.00	-966	-2,284	100.00	ENGINEERING CKS		
												% OA	42.3	42.3
												cfm/ft²	0.22	0.22
												cfm/ton	535.25	
												ft²/ton	2,383.31	
												Btu/hr-ft²	5.04	-6.41
												No. People	0.9	7.0/1000 ft²

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
Main Clg	0.1	0.7	0.6	29	78.4	58.5	43.6	53.4	48.3	43.6	Floor	129			Main Htg	-0.7	29	53.4	75.0
Aux Clg	0.1	1.7	1.7	382	75.0	63.4	71.8	70.8	62.0	71.8	Part	0			Aux Htg	-2.6	382	70.0	76.3
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0			Preheat	-0.2	29	49.5	53.4
											ExFlr	0			Reheat	-0.9	29	53.4	75.0
Total	0.2	2.4									Roof	129	0	0	Humidif	0.0	0	0.0	0.0
											Wall	123	36	29	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	Total	-3.4			

Room Checksums

By MFIA Inc.

229 CONSULT

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 17			Mo/Hr: 7 / 17		Mo/Hr: Heating Design			Cooling			Heating	
Outside Air:		OADB/WB/HR: 92 / 64 / 49			OADB: 92		OADB: 22			SADB			Ra Plenum	
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens							
Envelope Loads					Envelope Loads									
Skylite Solar	0	0	0	0	0	0	0	0.00	Skylite Solar	0	0	0.00		
Skylite Cond	0	0	0	0	0	0	0	0.00	Skylite Cond	0	0	0.00		
Roof Cond	0	178	178	10	0	0	-159	12.56	Roof Cond	0	0	0.00		
Glass Solar	0	0	0	0	0	0	0	0.00	Glass Solar	0	0	0.00		
Glass/Door Cond	0	0	0	0	0	0	0	0.00	Glass/Door Cond	0	0	0.00		
Wall Cond	0	0	0	0	0	0	0	0.00	Wall Cond	0	0	0.00		
Partition/Door	0	0	0	0	0	0	0	0.00	Partition/Door	0	0	0.00		
Floor	0	0	0	0	0	0	0	0.00	Floor	0	0	0.00		
Adjacent Floor	0	0	0	0	0	0	0	0.00	Adjacent Floor	0	0	0.00		
Infiltration	0	0	0	0	0	0	0	0.00	Infiltration	0	0	0.00		
<i>Sub Total ==></i>	0	178	178	10	0	0	-159	12.56	<i>Sub Total ==></i>	0	0	0.00		
Internal Loads					Internal Loads									
Lights	311	0	311	17	311	20	0	0.00	Lights	0	0	0.00		
People	404	0	404	22	224	15	0	0.00	People	0	0	0.00		
Misc	412	0	412	22	412	27	0	0.00	Misc	0	0	0.00		
<i>Sub Total ==></i>	1,126	0	1,126	61	947	61	0	0.00	<i>Sub Total ==></i>	0	0	0.00		
Ceiling Load	138	-138	0	0	138	9	-171	0.00	Ceiling Load	-171	0	0.00		
Ventilation Load	0	0	45	2	0	0	-637	50.18	Ventilation Load	0	-637	50.18		
Adj Air Trans Heat	0	0	0	0	0	0	0	0	Adj Air Trans Heat	0	0	0		
Dehumid. Ov Sizing			0	0			0	0.00	Ov/Undr Sizing	0	0	0.00		
Ov/Undr Sizing	456		456	25	456	30	0	0.00	Exhaust Heat	0	0	0.00		
Exhaust Heat		-11	-11	-1			0	0.00	OA Preheat Diff.	0	0	0.00		
Sup. Fan Heat			38	2			0	0.00	RA Preheat Diff.	0	0	0.00		
Ret. Fan Heat		19	19	1			-462	36.38	Additional Reheat	-462	36.38			
Duct Heat Pkup		0	0	0			-11	0.88	System Plenum Heat	-11	0.88			
Underflr Sup Ht Pkup		0	0	0			0	0.00	Underflr Sup Ht Pkup	0	0	0.00		
Supply Air Leakage		0	0	0			0	0.00	Supply Air Leakage	0	0	0.00		
Grand Total ==>	1,721	47	1,851	100.00	1,541	100.00	-171	100.00	Grand Total ==>	-171	-1,270	100.00		

AIRFLOWS		
	Cooling	Heating
Diffuser	21	21
Terminal	21	21
Main Fan	21	21
Sec Fan	0	0
Nom Vent	12	12
AHU Vent	12	12
Infil	0	0
MinStop/Rh	21	21
Return	21	21
Exhaust	12	12
Rm Exh	0	0
Auxiliary	292	292
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	57.0	57.0
cfm/ft²	0.17	0.17
cfm/ton	441.52	
ft²/ton	2,650.12	
Btu/hr-ft²	4.53	-7.93
No. People	0.9	7.0/1000 ft²

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	°F	gr/lb
Main Clg	0.1	0.6	0.6	21	84.8	63.8	57.9	55.0	52.8	57.9
Aux Clg	0.1	1.3	1.3	292	75.0	63.4	71.8	71.0	62.1	71.8
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.2	1.9								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	128		
Part	0		
Int Door	0		
ExFlr	0		
Roof	128	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	-0.5	21	55.0	75.0
Aux Htg	-1.9	292	70.0	76.1
Preheat	-0.6	21	42.4	61.6
Reheat	-0.6	21	55.0	75.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-2.9			

Room Checksums

By MFIA Inc.

230 PRINT

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 17		Mo/Hr: 7 / 17		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 92 / 64 / 49		OADB: 92		OADB: 22			SADB			Ra Plenum		
	Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict
	Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens						
Envelope Loads				Envelope Loads										
	0	0	0	0	0	0	0	0	0.00					
	0	0	0	0	0	0	0	0	0.00					
	0	26	26	7	0	0	0	-30	7.84					
	0	0	0	0	0	0	0	0	0.00					
	0	0	0	0	0	0	0	0	0.00					
	65	6	70	18	65	20	-136	-148	38.97					
	0	0	0	0	0	0	0	0	0.00					
	0	0	0	0	0	0	0	0	0.00					
	0	0	0	0	0	0	0	0	0.00					
	0	0	0	0	0	0	0	0	0.00					
	0	0	0	0	0	0	0	0	0.00					
	65	32	96	25	65	20	-136	-178	46.81					
Internal Loads				Internal Loads										
	57	0	57	14	57	18	0	0	0.00					
	71	0	71	18	37	11	0	0	0.00					
	76	0	76	19	76	24	0	0	0.00					
	204	0	204	52	170	53	0	0	0.00					
	26	-26	0	0	26	8	-32	0	0.00					
	0	0	22	6	0	0	0	-119	31.34					
	0	0	0	0	0	0	0	0	0					
	0	0	0	0	0	0	0	0	0.00					
	63	0	63	16	63	19	0	0	0.00					
	0	-2	-2	-1	0	0	0	0	0.00					
	0	7	7	2	0	0	0	0	0.00					
	0	4	4	1	0	0	0	-93	24.57					
	0	0	0	0	0	0	0	10	-2.71					
	0	0	0	0	0	0	0	0	0.00					
	0	0	0	0	0	0	0	0	0.00					
	357	7	393	100.00	323	100.00	-167	-380	100.00					

AIRFLOWS		
	Cooling	Heating
Diffuser	4	4
Terminal	4	4
Main Fan	4	4
Sec Fan	0	0
Nom Vent	2	2
AHU Vent	2	2
Infil	0	0
MinStop/Rh	4	4
Return	4	4
Exhaust	2	2
Rm Exh	0	0
Auxiliary	242	242
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	57.0	57.0
cfm/ft²	0.17	0.17
cfm/ton	307.21	
ft²/ton	1,843.93	
Btu/hr-ft²	6.51	-6.36
No. People	0.2	7.0/1000 ft²

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	°F	gr/lb
Main Clg	0.0	0.2	0.1	4	84.8	63.0	54.2	53.4	49.1	46.5
Aux Clg	0.0	0.2	0.2	242	75.0	63.4	71.8	74.1	63.1	71.8
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.0	0.4								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	24		
Part	0		
Int Door	0		
ExFlr	0		
Roof	24	0	0
Wall	52	0	0
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	-0.1	4	53.4	75.0
Aux Htg	-0.4	242	70.0	71.4
Preheat	-0.1	4	42.4	53.4
Reheat	-0.1	4	53.4	75.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-0.5			

Room Checksums

By MFIA Inc.

231 MEDIUM GROUP

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 16		Mo/Hr: 7 / 17		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 94 / 66 / 53		OADB: 92		OADB: 22						SADB	73.0	75.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	78.4	65.8
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.8	70.0
Envelope Loads				Envelope Loads								Ret/OA	86.1	42.4
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	383	383	3	0	0	-440	4.16	0	0	0.00	Fn Frict	1.1	0.0
Glass Solar	375	0	375	3	332	3	0	0.00	0	0	0.00			
Glass/Door Cond	221	0	221	2	205	2	-578	5.46	-578	-578	5.46			
Wall Cond	166	18	184	1	178	2	-349	3.70	-391	-391	3.70			
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00			
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00			
Sub Total ==>	763	401	1,164	9	715	7	-927	13.32	-927	-1,408	13.32			
Internal Loads				Internal Loads								AIRFLOWS		
Lights	811	0	811	6	857	8	0	0.00	0	0	0.00	Diffuser	178	178
People	6,252	0	6,252	46	3,942	36	0	0.00	0	0	0.00	Terminal	178	178
Misc	1,075	0	1,075	8	1,136	10	0	0.00	0	0	0.00	Main Fan	178	178
Sub Total ==>	8,139	0	8,139	60	5,935	54	0	0.00	0	0	0.00	Sec Fan	0	0
Ceiling Load	382	-382	0	0	381	3	-471	0.00	0	0	0.00	Nom Vent	102	102
Ventilation Load	0	0	-125	-1	0	0	0	50.31	-5,319	-5,319	50.31	AHU Vent	102	102
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0.00	Infil	0	0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	MinStop/Rh	178	178
Ov/Undr Sizing	3,952	0	3,952	29	3,952	36	0	0.00	0	0	0.00	Return	178	178
Exhaust Heat	0	-90	-90	-1	0	0	0	0.00	0	0	0.00	Exhaust	102	102
Sup. Fan Heat	0	0	314	2	0	0	0	0.00	0	0	0.00	Rm Exh	0	0
Ret. Fan Heat	0	159	159	1	0	0	0	0.00	0	0	0.00	Auxiliary	2,296	2,296
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Dwn	0	0
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	13,236	87	13,512	100.00	10,983	100.00	-1,398	100.00	-1,398	-10,573	100.00	ENGINEERING CKS		
												% OA	57.0	57.0
												cfm/ft²	0.50	0.50
												cfm/ton	541.69	
												ft²/ton	1,074.80	
												Btu/hr-ft²	11.16	-30.61
												No. People	16.1	45.5/1000 ft²

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Lvg	Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F
Main Clg	0.3	4.0	3.7	178	86.1	65.9	66.3	55.0	54.9	66.3	Floor	354		Main Htg	-3.9	178	55.0	75.0
Aux Clg	0.9	10.6	10.6	2,296	75.0	63.4	71.8	70.7	62.0	71.8	Part	0		Aux Htg	-15.9	2,296	70.0	76.4
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	-7.0	178	42.4	71.4
											ExFlr	0		Reheat	-4.8	178	55.0	75.0
Total	1.2	14.6									Roof	354	0	Humidif	0.0	0	0.0	0.0
											Wall	174	36	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	Total	-26.8			

Room Checksums

By MFIA Inc.

232 LARGE GROUP

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 16		Mo/Hr: 7 / 17		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 94 / 66 / 53		OADB: 92		OADB: 22						SADB	73.0	75.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	78.4	65.8
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.8	70.0
Envelope Loads				Envelope Loads								Ret/OA	86.1	42.4
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	484	484	3	0	0	-557	4.20	0	-557	4.20	Fn Frict	1.1	0.0
Glass Solar	375	0	375	2	332	2	0	0.00	0	0	0.00			
Glass/Door Cond	221	0	221	1	205	1	-578	4.36	-578	-578	4.36			
Wall Cond	223	23	247	1	238	2	-469	3.93	-469	-521	3.93			
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00			
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00			
Sub Total ==>	820	507	1,328	8	776	6	-1,046	12.49	-1,046	-1,655	12.49			
Internal Loads				Internal Loads								AIRFLOWS		
Lights	1,026	0	1,026	6	1,085	8	0	0.00	0	0	0.00	Diffuser	226	226
People	7,913	0	7,913	46	4,989	36	0	0.00	0	0	0.00	Terminal	226	226
Misc	1,361	0	1,361	8	1,437	10	0	0.00	0	0	0.00	Main Fan	226	226
Sub Total ==>	10,300	0	10,300	60	7,511	54	0	0.00	0	0	0.00	Sec Fan	0	0
Ceiling Load	483	-483	0	0	482	3	-596	0.00	-596	0	0.00	Nom Vent	129	129
Ventilation Load	0	0	-159	-1	0	0	0	50.79	0	-6,731	50.79	AHU Vent	129	129
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	Infil	0	0
Dehumid. Ov Sizing			0	0			0	0.00	0	0	0.00	MinStop/Rh	226	226
Ov/Undr Sizing	5,131		5,131	30	5,131	37	0	0.00	0	0	0.00	Return	226	226
Exhaust Heat		-114	-114	-1			0	0.00	0	0	0.00	Exhaust	129	129
Sup. Fan Heat			397	2			0	0.00	0	0	0.00	Rm Exh	0	0
Ret. Fan Heat		201	201	1			0	0.00	0	0	0.00	Auxiliary	2,941	2,941
Duct Heat Pkup		0	0	0			0	0.00	0	0	0.00	Leakage Dwn	0	0
Underflr Sup Ht Pkup		0	0	0			0	0.00	0	0	0.00	Leakage Ups	0	0
Supply Air Leakage		0	0	0			0	0.00	0	0	0.00			
Grand Total ==>	16,734	110	17,083	100.00	13,900	100.00	-1,642	100.00	-1,642	-13,253	100.00	ENGINEERING CKS		
												% OA	57.0	57.0
												cfm/ft²	0.50	0.50
												cfm/ton	528.07	
												ft²/ton	1,047.78	
												Btu/hr-ft²	11.45	-30.61
												No. People	20.4	45.5/1000 ft²

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Lvg	Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F
Main Clg	0.4	5.1	4.8	226	86.1	65.9	66.3	55.0	54.9	66.3	Floor	448		Main Htg	-4.9	226	55.0	75.0
Aux Clg	1.1	13.4	13.4	2,941	75.0	63.4	71.8	70.8	62.0	71.8	Part	0		Aux Htg	-20.2	2,941	70.0	76.3
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	-8.8	226	42.4	71.4
											ExFlr	0		Reheat	-6.1	226	55.0	75.0
Total	1.6	18.5									Roof	448	0	Humidif	0.0	0	0.0	0.0
											Wall	220	36	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	Total	-33.9			

Room Checksums

By MFIA Inc.

233 SMALL GROUP

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 16		Mo/Hr: 7 / 11		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 94 / 66 / 53		OADB: 82		OADB: 22						SADB	73.0	75.0
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	78.4	65.8
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.8	70.0
Envelope Loads				Envelope Loads								Ret/OA	86.1	42.4
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	268	3	0	0	0	-308	4.07	0	0	0.00	Fn Frict	1.1	0.0
Glass Solar	375	0	375	4	1,009	13	0	0.00	0	0	0.00	AIRFLOWS		
Glass/Door Cond	221	0	221	2	43	1	-578	7.63	-578	-578	7.63	Diffuser	125	125
Wall Cond	109	13	122	1	26	0	-230	3.45	-261	-261	3.45	Terminal	125	125
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	125	125
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	71	71
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	71	71
Sub Total ==>	706	281	987	10	1,078	14	-808	15.15	-808	-1,146	15.15	Infil	0	0
Internal Loads				Internal Loads								MinStop/Rh	125	125
Lights	568	0	568	6	600	8	0	0.00	0	0	0.00	Return	125	125
People	4,380	0	4,380	45	2,762	36	0	0.00	0	0	0.00	Exhaust	71	71
Misc	753	0	753	8	796	10	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	5,702	0	5,702	59	4,158	54	0	0.00	0	0	0.00	Auxiliary	1,634	1,634
Ceiling Load				Ceiling Load								Leakage Dwn	0	0
Ventilation Load	0	0	536	6	0	0	-330	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	-3,726	49.25	ENGINEERING CKS		
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	57.0	57.0
Ov/Undr Sizing	2,192	0	2,192	23	2,192	28	0	0.00	0	0	0.00	cfm/ft²	0.50	0.50
Exhaust Heat	0	-63	-63	-1	0	0	0	0.00	0	0	0.00	cfm/ton	663.56	
Sup. Fan Heat	0	0	220	2	0	0	0	0.00	0	0	0.00	ft²/ton	1,316.61	
Ret. Fan Heat	0	111	111	1	0	0	0	0.00	0	-2,701	35.71	Btu/hr-ft²	9.11	-30.61
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	9	0	-0.12	No. People	11.3	45.5/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	8,867	62	9,685	100.00	7,694	100.00	-1,138	100.00	-1,138	-7,565	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
Main Clg	0.2	2.3	1.4	125	86.1	64.8	60.7	55.0	53.5	60.7	Floor	248		Main Htg	-2.7	125	55.0	75.0	
Aux Clg	0.6	7.4	7.4	1,634	75.0	63.4	71.8	70.8	62.0	71.8	Part	0		Aux Htg	-11.2	1,634	70.0	76.3	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	-4.9	125	42.4	71.4	
											ExFlr	0		Reheat	-3.4	125	55.0	75.0	
Total	0.8	9.7									Roof	248	0	0	Humidif	0.0	0	0.0	0.0
											Wall	128	36	28	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	Total	-18.8			

Room Checksums

By MFIA Inc.

234 WAITING

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 16		Mo/Hr: 7 / 17		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating	
Outside Air:		OADB/WB/HR: 94 / 66 / 53		OADB: 92		OADB: 22		OADB: 22				SADB	55.0	75.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	78.4	65.8
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.8	70.0
Envelope Loads				Envelope Loads				Envelope Loads				Ret/OA	85.0	45.4
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	309	2	0	0	0	-356	4.22	0	-356	4.22	Fn Frict	1.1	0.0
Glass Solar	375	0	3	332	3	0	0	0.00	0	0	0.00			
Glass/Door Cond	221	0	2	205	2	-578	-578	6.86	-578	-578	6.86			
Wall Cond	122	14	1	130	1	-257	-290	3.44	-257	-290	3.44			
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00			
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00			
<i>Sub Total ==></i>	718	324	1,042	7	668	6	-835	14.52	-835	-1,223	14.52			
Internal Loads				Internal Loads				Internal Loads				AIRFLOWS		
Lights	656	0	656	5	693	6	0	0.00	0	0	0.00	Diffuser	144	144
People	5,054	0	5,054	35	3,187	27	0	0.00	0	0	0.00	Terminal	144	144
Misc	869	0	869	6	918	8	0	0.00	0	0	0.00	Main Fan	144	144
<i>Sub Total ==></i>	6,579	0	6,579	45	4,797	41	0	0.00	0	0	0.00	Sec Fan	0	0
Ceiling Load	309	-309	0	0	308	3	-381	0.00	-381	0	0.00	Nom Vent	73	73
Ventilation Load	0	0	712	5	0	0	0	45.56	0	-3,838	45.56	AHU Vent	73	73
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	Infil	0	0
Dehumid. Ov Sizing			0	0			0	0.00	0	0	0.00	MinStop/Rh	144	144
Ov/Undr Sizing	5,910		5,910	41	5,910	51	0	0.00	0	0	0.00	Return	144	144
Exhaust Heat		-65	-65	0			0	0.00	0	0	0.00	Exhaust	73	73
Sup. Fan Heat			254	2			0	0.00	0	0	0.00	Rm Exh	0	0
Ret. Fan Heat		128	128	1			0	0.00	0	0	0.00	Auxiliary	1,854	1,854
Duct Heat Pkup		0	0	0			0	0.00	0	0	0.00	Leakage Dwn	0	0
Underflr Sup Ht Pkup		0	0	0			0	0.00	0	0	0.00	Leakage Ups	0	0
Supply Air Leakage		0	0	0			0	0.00	0	0	0.00	ENGINEERING CKS		
<i>Grand Total ==></i>	13,516	78	14,560	100.00	11,683	100.00	-1,215	100.00	-1,215	-8,424	100.00	% OA	50.9	50.9
												cfm/ft²	0.50	0.50
												cfm/ton	288.74	
												ft²/ton	572.91	
												Btu/hr-ft²	20.95	-17.23
												No. People	13.0	45.5/1000 ft²

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
Main Clg	0.5	6.0	4.8	144	85.0	64.4	60.3	53.4	49.9	49.4	Floor	286			Main Htg	-3.4	144	53.4	75.0
Aux Clg	0.7	8.6	8.6	1,854	75.0	63.4	71.8	70.7	62.0	71.8	Part	0			Aux Htg	-12.9	1,854	70.0	76.4
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0			Preheat	-1.6	144	45.4	53.4
											ExFlr	0			Reheat	-4.2	144	53.4	75.0
Total	1.2	14.6									Roof	286	0	0	Humidif	0.0	0	0.0	0.0
											Wall	138	36	26	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	Total	-17.8			

Room Checksums

By MFIA Inc.

235 STOR

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 17			Mo/Hr: 7 / 17		Mo/Hr: Heating Design			Mo/Hr: Heating Design			Cooling	Heating			
Outside Air:		OADB/WB/HR: 92 / 64 / 49			OADB: 92		OADB: 22			OADB: 22			SADB	55.0	75.0		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent	Space Sens	Tot Sens	Of Total	Return	78.4	65.8			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA	75.8	70.0			
Envelope Loads					Envelope Loads										Fn MtrTD	0.2	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0			
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	1.1	0.0			
Roof Cond	0	20	13	0	0	0	-18	19.34	0	0	0.00	AIRFLOWS					
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	2	2			
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	2	2			
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	2	2			
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0			
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	1	1			
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	1	1			
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	Infil	0	0			
Sub Total ==>	0	20	13	0	0	0	-18	19.34	0	0	0.00	MinStop/Rh	2	2			
Internal Loads					Internal Loads										Return	2	2
Lights	35	0	23	35	28	0	0	0.00	0	0	0.00	Exhaust	1	1			
People	21	0	14	12	10	0	0	0.00	0	0	0.00	Rm Exh	0	0			
Misc	46	0	30	46	38	0	0	0.00	0	0	0.00	Auxiliary	241	241			
Sub Total ==>	102	0	67	92	76	0	0	0.00	0	0	0.00	Leakage Dwn	0	0			
Ceiling Load					Ceiling Load										Leakage Ups	0	0
Ventilation Load	0	-15	0	15	13	-19	0	0.00	-19	0	0.00	ENGINEERING CKS					
Adj Air Trans Heat	0	0	0	0	0	0	-38	41.04	0	0	0.00	% OA	47.9	47.9			
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	0.11	0.11			
Ov/Undr Sizing	14	0	9	14	12	0	0	0.00	0	0	0.00	cfm/ton	292.32	292.32			
Exhaust Heat	0	-1	0	0	0	0	-1	1.35	0	0	0.00	ft²/ton	2,777.07	2,777.07			
Sup. Fan Heat	0	3	2	0	2	0	0	0.00	0	0	0.00	Btu/hr-ft²	4.32	-3.39			
Ret. Fan Heat	1	1	1	0	0	0	0	0.00	0	0	0.00	No. People	0.0	3.3/1000 ft²			
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00						
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00						
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00						
Grand Total ==>	131	5	151	100.00	121	100.00	-19	-92	100.00	-19	-92	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	Ent	Lvg	Capacity	Coil Airflow	Ent	Lvg
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								
Main Clg	0.0	0.1	0.1	2	83.3	61.6	49.9	53.4	46.4	37.0	Floor	14		Main Htg	0.0	2	53.4	75.0
Aux Clg	0.0	0.1	0.1	241	75.0	63.4	71.8	74.7	63.3	71.8	Part	0		Aux Htg	-0.1	241	70.0	70.5
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	2	46.8	53.4
											ExFlr	0		Reheat	0.0	2	53.4	75.0
Total	0.0	0.2									Roof	14	0	Humidif	0.0	0	0.0	0.0
											Wall	0	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	Total	-0.2			

Room Checksums

By MFIA Inc.

C1 CORRIDOR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 17		Mo/Hr: 7 / 17		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 92 / 64 / 49		OADB: 92		OADB: 22						SADB	55.0	75.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.1	69.6
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.8	70.0
Envelope Loads				Envelope Loads								Ret/OA	85.0	41.8
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	1.1	0.0
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	AIRFLOWS		
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	58	58
Wall Cond	189	19	208	4	189	4	-412	12.66	-412	-452	12.66	Terminal	58	58
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	58	58
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	34	34
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	34	34
Sub Total ==>	189	19	208	4	189	4	-412	12.66	-412	-452	12.66	Infil	0	0
Internal Loads				Internal Loads								MinStop/Rh	58	58
Lights	1,392	0	1,392	26	1,392	30	0	0.00	0	0	0.00	Return	58	58
People	863	0	863	16	479	10	0	0.00	0	0	0.00	Exhaust	34	34
Misc	1,845	0	1,845	34	1,845	40	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	4,099	0	4,099	75	3,716	80	0	0.00	0	0	0.00	Auxiliary	759	759
Ceiling Load				Ceiling Load								Leakage Dwn	0	0
Ventilation Load	0	-22	0	0	19	0	-67	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	280	5	0	0	0	49.14	0	-1,755	49.14	ENGINEERING CKS		
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	58.4	58.4
Ov/Undr Sizing	734	0	734	13	734	16	0	0.00	0	0	0.00	cfm/ft²	0.10	0.10
Exhaust Heat	0	-27	-27	-1	0	0	0	0.00	0	0	0.00	cfm/ton	341.29	
Sup. Fan Heat	0	0	96	2	0	0	0	0.00	0	0	0.00	ft²/ton	3,412.93	
Ret. Fan Heat	0	47	47	1	0	0	0	0.00	0	-1,339	37.48	Btu/hr-ft²	3.52	-3.91
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	-26	0.72	No. People	1.9	3.3/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	5,044	16	5,437	100.00	4,658	100.00	-478	100.00	-478	-3,573	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	Ent	Lvg	Capacity	Coil Airflow	Ent	Lvg
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								
Main Clg	0.2	2.0	2.0	58	85.0	63.2	54.8	53.5	50.8	52.9	Floor	575		Main Htg	-1.3	58	53.5	75.0
Aux Clg	0.3	3.4	3.4	759	75.0	63.4	71.8	70.8	62.0	71.8	Part	0		Aux Htg	-5.1	759	70.0	76.3
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	-0.9	58	41.8	53.5
											ExFlr	0		Reheat	-1.7	58	53.5	75.0
Total	0.5	5.4									Roof	0	0	Humidif	0.0	0	0.0	0.0
											Wall	158	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	Total	-7.4			

Room Checksums

By MFIA Inc.

C1N CORRIDOR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 16		Mo/Hr: 7 / 17		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 94 / 66 / 53		OADB: 92		OADB: 22						SADB	55.0	75.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.1	69.6
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.8	70.0
Envelope Loads				Envelope Loads								Ret/OA	86.2	42.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	1.1	0.0
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	AIRFLOWS		
Glass/Door Cond	107	0	107	2	96	2	-274	7.05	-274	-274	7.05	Diffuser	65	65
Wall Cond	33	7	41	1	35	1	-67	2.10	-82	-82	2.10	Terminal	65	65
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	65	65
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	37	37
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	37	37
Sub Total ==>	140	7	147	2	131	2	-341	9.15	-355	-355	9.15	Infil	0	0
Internal Loads				Internal Loads								MinStop/Rh	65	65
Lights	1,510	0	1,510	23	1,573	30	0	0.00	0	0	0.00	Return	65	65
People	971	0	971	15	539	10	0	0.00	0	0	0.00	Exhaust	37	37
Misc	1,987	0	1,987	31	2,081	40	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	4,468	0	4,468	69	4,194	80	0	0.00	0	0	0.00	Auxiliary	842	842
Ceiling Load				Ceiling Load								Leakage Dwn	0	0
Ventilation Load	0	-25	0	0	22	0	-75	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	790	12	0	0	0	50.48	-1,960	-1,960	50.48			
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00			
Ov/Undr Sizing	895	0	895	14	895	17	0	0.00	0	0	0.00			
Exhaust Heat	0	-30	-30	0	0	0	0	0.00	0	0	0.00			
Sup. Fan Heat	0	0	109	2	0	0	0	0.00	0	0	0.00			
Ret. Fan Heat	0	53	53	1	0	0	0	0.00	0	0	0.00			
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	5,528	5	6,431	100.00	5,241	100.00	-416	100.00	-3,882	-3,882	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	ft² (%)	Capacity	Coil Airflow	Ent °F	Lvg °F
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F							
Main Clg	0.2	2.6	2.1	65	86.2	63.1	52.2	53.5	48.7	45.2	Floor	647	-1.5	65	53.5	75.0	
Aux Clg	0.3	3.8	3.8	842	75.0	63.4	71.8	70.8	62.0	71.8	Part	0	-5.8	842	70.0	76.4	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	-1.0	65	42.0	53.5	
											ExFlr	0	-1.9	65	53.5	75.0	
Total	0.5	6.4									Roof	0	0.0	0	0.0	0.0	
											Wall	29	0.0	0	0.0	0.0	
											Ext Door	28	0	0	0.0	0.0	
													Total	-8.3			

Room Checksums

By MFIA Inc.

C1S CORRIDOR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 16		Mo/Hr: 8 / 17		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 94 / 66 / 53		OADB: 92		OADB: 22						SADB	55.0	75.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.1	69.6
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.8	70.0
Envelope Loads				Envelope Loads								Ret/OA	86.6	41.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	1.1	0.0
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	AIRFLOWS		
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	79	79
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	79	79
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	79	79
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	47	47
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	47	47
Sub Total ==>	0	0	0	0	0	0	0	0.00	0	0	0.00	Infil	0	0
Internal Loads				Internal Loads								MinStop/Rh	79	79
Lights	1,838	0	1,838	24	1,915	30	0	0.00	0	0	0.00	Return	79	79
People	1,181	0	1,181	16	656	10	0	0.00	0	0	0.00	Exhaust	47	47
Misc	2,419	0	2,419	32	2,533	40	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	5,438	0	5,438	72	5,104	80	0	0.00	0	0	0.00	Auxiliary	1,050	1,050
Ceiling Load				Ceiling Load								Leakage Dwn	0	0
Ventilation Load	0	-30	0	0	27	0	-91	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	728	10	0	0	0	56.21	0	-2,471	56.21	ENGINEERING CKS		
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	60.0	60.0
Ov/Undr Sizing	1,249	0	1,249	16	1,249	20	0	0.00	0	0	0.00	cfm/ft²	0.10	0.10
Exhaust Heat	0	-38	-38	-1	0	0	0	0.00	0	0	0.00	cfm/ton	326.45	
Sup. Fan Heat	0	0	132	2	0	0	0	0.00	0	0	0.00	ft²/ton	3,264.50	
Ret. Fan Heat	0	64	64	1	0	0	-1,834	41.72	0	0	0.00	Btu/hr-ft²	3.68	-4.02
Duct Heat Pkup	0	0	0	0	0	0	-91	2.07	0	0	0.00	No. People	2.6	3.3/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	6,717	-5	7,572	100.00	6,379	100.00	-91	-4,396	100.00	-91	-4,396			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F	
Main Clg	0.2	2.9	2.6	79	86.6	63.9	55.5	53.5	51.1	54.0	Floor	787	Main Htg	-1.8	79	53.5	75.0
Aux Clg	0.4	4.7	4.7	1,050	75.0	63.4	71.8	70.9	62.0	71.8	Part	0	Aux Htg	-7.0	1,050	70.0	76.2
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	-1.3	79	41.0	53.5
											ExFlr	0	Reheat	-2.3	79	53.5	75.0
Total	0.6	7.6									Roof	0	0	0	0	0.0	0.0
											Wall	0	0	0	0	0.0	0.0
											Ext Door	0	0	0	0	0.0	0.0
													Total	-10.2			

Room Checksums

By MFIA Inc.

C2 CORRIDOR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 17		Mo/Hr: 7 / 17		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 92 / 64 / 49		OADB: 92		OADB: 22						SADB	55.0	75.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	78.4	65.8
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.8	70.0
Envelope Loads				Envelope Loads								Ret/OA	83.3	46.8
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	63	63	1	0	0	-272	7.93	0	0	0.00	Fn Frict	1.1	0.0
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	AIRFLOWS		
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	49	49
Wall Cond	189	16	205	5	189	5	-412	13.12	0	0	0.00	Terminal	49	49
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	49	49
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	24	24
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	24	24
<i>Sub Total ==></i>	189	79	268	6	189	5	-412	21.05	-412	-721	21.05	Infil	0	0
Internal Loads				Internal Loads								MinStop/Rh	49	49
Lights	1,134	0	1,134	26	1,134	28	0	0.00	0	0	0.00	Return	49	49
People	703	0	703	16	391	10	0	0.00	0	0	0.00	Exhaust	24	24
Misc	1,503	0	1,503	34	1,503	38	0	0.00	0	0	0.00	Rm Exh	0	0
<i>Sub Total ==></i>	3,341	0	3,341	76	3,028	76	0	0.00	0	0	0.00	Auxiliary	663	663
Ceiling Load				Ceiling Load								Leakage Dwn	0	0
Ventilation Load	0	-506	0	0	504	13	-623	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	393	9	0	0	0	36.11	0	-1,236	36.11	ENGINEERING CKS		
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	47.9	47.9
Ov/Undr Sizing	275	0	275	6	275	7	0	0.00	0	0	0.00	cfm/ft²	0.11	0.11
Exhaust Heat	0	-21	-21	0	0	0	0	0.00	0	0	0.00	cfm/ton	406.45	
Sup. Fan Heat	0	87	87	2	0	0	0	0.00	0	0	0.00	ft²/ton	3,861.28	
Ret. Fan Heat	0	44	44	1	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	3.11	-3.39
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	1.6	3.3/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	4,310	-403	4,386	100.00	3,996	100.00	-1,035	100.00	-1,035	-3,424	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
Main Clg	0.1	1.5	1.2	49	83.3	61.6	49.9	53.4	50.0	49.9	Floor	469			Main Htg	-1.2	49	53.4	75.0
Aux Clg	0.2	2.9	2.9	663	75.0	63.4	71.8	70.9	62.0	71.8	Part	0			Aux Htg	-4.4	663	70.0	76.2
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0			Preheat	-0.4	49	46.8	53.4
											ExFlr	0			Reheat	-1.4	49	53.4	75.0
Total	0.4	4.4									Roof	218	0	0	Humidif	0.0	0	0.0	0.0
											Wall	158	0	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	Total	-6.0			

Room Checksums

By MFIA Inc.

C2N CORRIDOR

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 17			Mo/Hr: 7 / 17		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 92 / 64 / 49			OADB: 92		OADB: 22			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Tot Sens Btu/h	(%)	75.8	84.8	0.2	0.4	1.1		
Envelope Loads					Envelope Loads										
Skylite Solar	0	0	0	0	0	0	0	0.00							
Skylite Cond	0	0	0	0	0	0	0	0.00							
Roof Cond	0	62	62	13	0	0	-56	17.94							
Glass Solar	0	0	0	0	0	0	0	0.00							
Glass/Door Cond	0	0	0	0	0	0	0	0.00							
Wall Cond	0	0	0	0	0	0	0	0.02							
Partition/Door	0	0	0	0	0	0	0	0.00							
Floor	0	0	0	0	0	0	0	0.00							
Adjacent Floor	0	0	0	0	0	0	0	0.00							
Infiltration	0	0	0	0	0	0	0	0.00							
<i>Sub Total ==></i>	0	62	62	13	0	0	-56	17.96							
Internal Loads					Internal Loads										
Lights	108	0	108	24	108	28	0	0.00							
People	67	0	67	15	37	10	0	0.00							
Misc	144	0	144	31	144	38	0	0.00							
<i>Sub Total ==></i>	319	0	319	69	289	76	0	0.00							
Ceiling Load	48	-48	0	0	48	13	-60	0.00							
Ventilation Load	0	0	25	5	0	0	-141	45.29							
Adj Air Trans Heat	0	0	0	0	0	0	0	0							
Dehumid. Ov Sizing			0	0			0	0.00							
Ov/Undr Sizing	44		44	10	44	12	0	0.00							
Exhaust Heat		-2	-2	-1			0	0.00							
Sup. Fan Heat			8	2			0	0.00							
Ret. Fan Heat		4	4	1			-110	35.50							
Duct Heat Pkup		0	0	0			-4	1.25							
Underflr Sup Ht Pkup			0	0			0	0.00							
Supply Air Leakage		0	0	0			0	0.00							
Grand Total ==>	412	15	461	100.00	382	100.00	-60	-310	100.00						

AIRFLOWS		
	Cooling	Heating
Diffuser	5	5
Terminal	5	5
Main Fan	5	5
Sec Fan	0	0
Nom Vent	3	3
AHU Vent	3	3
Infil	0	0
MinStop/Rh	5	5
Return	5	5
Exhaust	3	3
Rm Exh	0	0
Auxiliary	242	242
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	57.0	57.0
cfm/ft²	0.11	0.11
cfm/ton	313.16	
ft²/ton	2,975.02	
Btu/hr-ft²	4.03	-4.02
No. People	0.1	3.3/1000 ft²

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	0.0	0.2	0.2	5	84.8	63.1	54.4	53.4	49.4	47.7
Aux Clg	0.0	0.3	0.3	242	75.0	63.4	71.8	73.9	63.1	71.8
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.0	0.5								

AREAS			
	Gross Total	Glass ft²	(%)
Floor	45		
Part	0		
Int Door	0		
ExFlr	0		
Roof	45	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-0.1	5	53.4	75.0
Aux Htg	-0.4	242	70.0	71.6
Preheat	-0.1	5	42.4	53.4
Reheat	-0.1	5	53.4	75.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-0.6			

Room Checksums

By MFIA Inc.

C2S CORRIDOR

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 17			Mo/Hr: 7 / 17		Mo/Hr: Heating Design						Cooling	Heating			
Outside Air:		OADB/WB/HR: 92 / 64 / 49			OADB: 92		OADB: 22						SADB	55.0	75.0		
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent	Space Sens	Tot Sens	Of Total	Return	75.8	65.8			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA	75.8	70.0			
Envelope Loads					Envelope Loads										Fn MtrTD	0.2	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0			
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	1.1	0.0			
Roof Cond	0	1,125	1,125	13	0	0	0	17.94	0	-1,010	17.94	AIRFLOWS					
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	86	86			
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	86	86			
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	86	86			
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0			
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	49	49			
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	49	49			
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	Infil	0	0			
Sub Total ==>	0	1,125	1,125	13	0	0	0	17.94	0	-1,010	17.94	MinStop/Rh	86	86			
Internal Loads					Internal Loads										Return	86	86
Lights	1,967	0	1,967	24	1,967	28	0	0.00	0	0	0.00	Exhaust	49	49			
People	1,219	0	1,219	15	677	10	0	0.00	0	0	0.00	Rm Exh	0	0			
Misc	2,607	0	2,607	31	2,607	38	0	0.00	0	0	0.00	Auxiliary	1,130	1,130			
Sub Total ==>	5,794	0	5,794	69	5,252	76	0	0.00	0	0	0.00	Leakage Dwn	0	0			
Ceiling Load					Ceiling Load										Leakage Ups	0	0
Ventilation Load	0	-877	0	0	874	13	-1,081	0.00	0	0	0.00	ENGINEERING CKS					
Adj Air Trans Heat	0	0	465	6	0	0	0	0.00	0	-2,550	45.30	% OA	57.0	57.0			
Dehumid. Ov Sizing			0	0			0	0.00	0	0	0.00	cfm/ft²	0.11	0.11			
Ov/Undr Sizing	804		804	10	804	12	0	0.00	0	0	0.00	cfm/ton	312.09				
Exhaust Heat		-43	-43	-1			0	0.00	0	0	0.00	ft²/ton	2,964.89				
Sup. Fan Heat			151	2			0	0.00	0	0	0.00	Btu/hr-ft²	4.05	-4.02			
Ret. Fan Heat		76	76	1			-1,999	35.51				No. People	2.7	3.3/1000 ft²			
Duct Heat Pkup		0	0	0			-71	1.25									
Underflr Sup Ht Pkup		0	0	0			0	0.00									
Supply Air Leakage		0	0	0			0	0.00									
Grand Total ==>	7,475	281	8,370	100.00	6,930	100.00	-1,081	100.00	-1,081	-5,630	100.00						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F	
Main Clg	0.3	3.3	3.2	86	84.8	63.0	54.2	53.4	49.3	47.4	Floor	813	-2.0	86	53.4	75.0	
Aux Clg	0.4	5.1	5.1	1,130	75.0	63.4	71.8	70.8	62.0	71.8	Part	0	-7.6	1,130	70.0	76.3	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	-1.3	86	42.4	53.4	
											ExFlr	0	-2.5	86	53.4	75.0	
Total	0.7	8.4									Roof	813	0.0	0	0.0	0.0	
											Wall	0	0.0	0	0.0	0.0	
											Ext Door	0	0.0	0	0.0	0.0	
											Total		-10.9				

Room Checksums

By MFIA Inc.

ST1N STAIR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES				
Peaked at Time:		Mo/Hr: 0 / 0		Mo/Hr: 0 / 0		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating			
Outside Air:		OADB/WB/HR: 0 / 0 / 0		OADB: 0		OADB: 22		OADB: 22				SADB	0.0	70.0		
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	0.0	68.3		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	0.0	68.3		
Envelope Loads				Envelope Loads								AIRFLOWS				
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00				Diffuser	0	0		
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00				Terminal	0	0		
Roof Cond	0	0	0	0	0	Roof Cond	0	0.00				Main Fan	0	0		
Glass Solar	0	0	0	0	0	Glass Solar	0	0.00				Sec Fan	0	0		
Glass/Door Cond	0	0	0	0	0	Glass/Door Cond	-1,723	62.98				Nom Vent	0	0		
Wall Cond	0	0	0	0	0	Wall Cond	-898	37.17				AHU Vent	0	0		
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00				Infil	0	0		
Floor	0	0	0	0	0	Floor	0	0.00				MinStop/Rh	0	0		
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00				Return	0	0		
Infiltration	0	0	0	0	0	Infiltration	0	0.00				Exhaust	0	0		
Sub Total ==>	0	0	0	0	0	Sub Total ==>	-2,620	100.15				Rm Exh	0	0		
Internal Loads				Internal Loads								ENGINEERING CKS				
Lights	0	0	0	0	0	Lights	0	0.00				% OA	0.0	0.0		
People	0	0	0	0	0	People	0	0.00				cfm/ft²	0.00	0.00		
Misc	0	0	0	0	0	Misc	0	0.00				cfm/ton	0.00			
Sub Total ==>	0	0	0	0	0	Sub Total ==>	0	0.00				ft²/ton	0.00			
Ceiling Load	0	0	0	0	0	Ceiling Load	-115	0.00				Btu/hr-ft²	0.00	0.00		
Ventilation Load	0	0	0	0	0	Ventilation Load	0	0.00				No. People	0.7	3.3/1000 ft²		
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0								
Dehumid. Ov Sizing	0	0	0	0	0	Ov/Undr Sizing	0	0.00								
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	0	0.00								
Exhaust Heat	0	0	0	0	0	OA Preheat Diff.	0	0.00								
Sup. Fan Heat	0	0	0	0	0	RA Preheat Diff.	0	0.00								
Ret. Fan Heat	0	0	0	0	0	Additional Reheat	0	0.00								
Duct Heat Pkup	0	0	0	0	0	System Plenum Heat	4	-0.15								
Underflr Sup Ht Pkup	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00								
Supply Air Leakage	0	0	0	0	0	Supply Air Leakage	0	0.00								
Grand Total ==>	0	0	0	100.00	0	Grand Total ==>	-2,735	-2,735	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	Ent	Lvg				
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F					°F	gr/lb	ft²	(%)
Main Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Floor	217		Main Htg	0.0	0	68.3	70.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0						
Total	0.0	0.0									Roof	0	0	Humidif	0.0	0	0.0	0.0
											Wall	447	89	Opt Vent	0.0	0	0.0	0.0
											Ext Door	28	0	Total	0.0			

Room Checksums

By MFIA Inc.

ST1S STAIR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES		
Peaked at Time:		Mo/Hr: 0 / 0		Mo/Hr: 0 / 0		Mo/Hr: Heating Design			Cooling	Heating			
Outside Air:		OADB/WB/HR: 0 / 0 / 0		OADB: 0		OADB: 22			SADB	0.0	70.0		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	0.0	68.3		
Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens		Ret/OA	0.0	68.3		
Envelope Loads				Envelope Loads							AIRFLOWS		
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Diffuser	0	0		
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Terminal	0	0		
Roof Cond	0	0	0	0	0	Roof Cond	0	0.00	Main Fan	0	0		
Glass Solar	0	0	0	0	0	Glass Solar	0	0.00	Sec Fan	0	0		
Glass/Door Cond	0	0	0	0	0	Glass/Door Cond	-1,722	63.03	Nom Vent	0	0		
Wall Cond	0	0	0	0	0	Wall Cond	-896	37.13	AHU Vent	0	0		
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00	Infil	0	0		
Floor	0	0	0	0	0	Floor	0	0.00	MinStop/Rh	0	0		
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	Return	0	0		
Infiltration	0	0	0	0	0	Infiltration	0	0.00	Exhaust	0	0		
Sub Total ==>	0	0	0	0	0	Sub Total ==>	-2,618	100.16	Rm Exh	0	0		
Internal Loads				Internal Loads							ENGINEERING CKS		
Lights	0	0	0	0	0	Lights	0	0.00	% OA	0.0	0.0		
People	0	0	0	0	0	People	0	0.00	cfm/ft²	0.00	0.00		
Misc	0	0	0	0	0	Misc	0	0.00	cfm/ton	0.00			
Sub Total ==>	0	0	0	0	0	Sub Total ==>	0	0.00	ft²/ton	0.00			
Ceiling Load	0	0	0	0	0	Ceiling Load	-115	0.00	Btu/hr-ft²	0.00	0.00		
Ventilation Load	0	0	0	0	0	Ventilation Load	0	0.00	No. People	0.7	3.3/1000 ft²		
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0					
Dehumid. Ov Sizing	0	0	0	0	0	Ov/Undr Sizing	0	0.00					
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	0	0.00					
Exhaust Heat	0	0	0	0	0	OA Preheat Diff.	0	0.00					
Sup. Fan Heat	0	0	0	0	0	RA Preheat Diff.	0	0.00					
Ret. Fan Heat	0	0	0	0	0	Additional Reheat	0	0.00					
Duct Heat Pkup	0	0	0	0	0	System Plenum Heat	4	-0.16					
Underflr Sup Ht Pkup	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00					
Supply Air Leakage	0	0	0	0	0	Supply Air Leakage	0	0.00					
Grand Total ==>	0	0	100.00	0	100.00	Grand Total ==>	-2,733	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	Ent	Lvg				
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F					°F	gr/lb	ft²	(%)
Main Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Floor	216		Main Htg	0.0	0	68.3	70.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0						
Total	0.0	0.0									Roof	0	0	Humidif	0.0	0	0.0	0.0
											Wall	446	89	Opt Vent	0.0	0	0.0	0.0
											Ext Door	28	0	Total	0.0			

Room Checksums

By MFIA Inc.

ST1W STAIR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES		
Peaked at Time:		Mo/Hr: 0 / 0		Mo/Hr: 0 / 0		Mo/Hr: Heating Design			Cooling	Heating			
Outside Air:		OADB/WB/HR: 0 / 0 / 0		OADB: 0		OADB: 22			SADB	0.0	70.0		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	0.0	68.3		
Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens		Ret/OA	0.0	68.3		
Envelope Loads				Envelope Loads							AIRFLOWS		
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Diffuser	0	0		
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Terminal	0	0		
Roof Cond	0	0	0	0	0	Roof Cond	0	0.00	Main Fan	0	0		
Glass Solar	0	0	0	0	0	Glass Solar	0	0.00	Sec Fan	0	0		
Glass/Door Cond	0	0	0	0	0	Glass/Door Cond	-852	69.65	Nom Vent	0	0		
Wall Cond	0	0	0	0	0	Wall Cond	-296	27.93	AHU Vent	0	0		
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00	Infil	0	0		
Floor	0	0	0	0	0	Floor	0	0.00	MinStop/Rh	0	0		
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	Return	0	0		
Infiltration	0	0	0	0	0	Infiltration	0	0.00	Exhaust	0	0		
Sub Total ==>	0	0	0	0	0	Sub Total ==>	-1,148	97.59	Rm Exh	0	0		
Internal Loads				Internal Loads							ENGINEERING CKS		
Lights	0	0	0	0	0	Lights	0	0.00	% OA	0.0	0.0		
People	0	0	0	0	0	People	0	0.00	cfm/ft²	0.00	0.00		
Misc	0	0	0	0	0	Misc	0	0.00	cfm/ton	0.00			
Sub Total ==>	0	0	0	0	0	Sub Total ==>	0	0.00	ft²/ton	0.00			
Ceiling Load	0	0	0	0	0	Ceiling Load	-76	0.00	Btu/hr-ft²	0.00	0.00		
Ventilation Load	0	0	0	0	0	Ventilation Load	0	0.00	No. People	0.5	3.3/1000 ft²		
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0					
Dehumid. Ov Sizing	0	0	0	0	0	Ov/Undr Sizing	0	0.00					
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	0	0.00					
Exhaust Heat	0	0	0	0	0	OA Preheat Diff.	0	0.00					
Sup. Fan Heat	0	0	0	0	0	RA Preheat Diff.	0	0.00					
Ret. Fan Heat	0	0	0	0	0	Additional Reheat	0	0.00					
Duct Heat Pkup	0	0	0	0	0	System Plenum Heat	-30	2.41					
Underflr Sup Ht Pkup	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00					
Supply Air Leakage	0	0	0	0	0	Supply Air Leakage	0	0.00					
Grand Total ==>	0	0	100.00	0	100.00	Grand Total ==>	-1,224	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	Lvg	Capacity	Coil Airflow	Ent	Lvg
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb							
Main 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	68.3	70.0	
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	0.0	
Opt Vent	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	0.0	
Total	0.0	0.0															
Floor										143							
Part										0							
Int Door										0							
ExFlr										0							
Roof										0	0	0					
Wall										156	36	23					
Ext Door										28	0	0					

Room Checksums

By MFIA Inc.

ST2E STAIR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES		
Peaked at Time:		Mo/Hr: 0 / 0		Mo/Hr: 0 / 0		Mo/Hr: Heating Design			Cooling	Heating			
Outside Air:		OADB/WB/HR: 0 / 0 / 0		OADB: 0		OADB: 22			SADB	0.0	70.0		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	0.0	68.3		
Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens		Ret/OA	0.0	68.3		
							Btu/h	Btu/h		Fn MtrTD	0.0	0.0	
										Fn BldTD	0.0	0.0	
										Fn Frict	0.0	0.0	
Envelope Loads				Envelope Loads							AIRFLOWS		
Skylite Solar	0	0	0	0	0	0	0	0.00	Diffuser	0	0		
Skylite Cond	0	0	0	0	0	0	0	0.00	Terminal	0	0		
Roof Cond	0	0	0	0	0	0	0	0.00	Main Fan	0	0		
Glass Solar	0	0	0	0	0	0	0	0.00	Sec Fan	0	0		
Glass/Door Cond	0	0	0	0	0	0	0	0.00	Nom Vent	0	0		
Wall Cond	0	0	0	0	0	-112	-123	82.53	AHU Vent	0	0		
Partition/Door	0	0	0	0	0	0	0	0.00	Infil	0	0		
Floor	0	0	0	0	0	0	0	0.00	MinStop/Rh	0	0		
Adjacent Floor	0	0	0	0	0	0	0	0.00	Return	0	0		
Infiltration	0	0	0	0	0	0	0	0.00	Exhaust	0	0		
Sub Total ==>	0	0	0	0	0	-112	-123	82.53	Rm Exh	0	0		
Internal Loads				Internal Loads							ENGINEERING CKS		
Lights	0	0	0	0	0	0	0	0.00	% OA	0.0	0.0		
People	0	0	0	0	0	0	0	0.00	cfm/ft²	0.00	0.00		
Misc	0	0	0	0	0	0	0	0.00	cfm/ton	0.00			
Sub Total ==>	0	0	0	0	0	0	0	0.00	ft²/ton	0.00			
Ceiling Load	0	0	0	0	0	-37	0	0.00	Btu/hr-ft²	0.00	0.00		
Ventilation Load	0	0	0	0	0	0	0	0.00	No. People	0.2	3.3/1000 ft²		
Adj Air Trans Heat	0	0	0	0	0	0	0	0					
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00					
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00					
Exhaust Heat	0	0	0	0	0	0	0	0.00					
Sup. Fan Heat	0	0	0	0	0	0	0	0.00					
Ret. Fan Heat	0	0	0	0	0	0	0	0.00					
Duct Heat Pkup	0	0	0	0	0	0	-26	17.47					
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00					
Supply Air Leakage	0	0	0	0	0	0	0	0.00					
Grand Total ==>	0	0	0	100.00	0	100.00	-149	-149	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	Ent	Lvg		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb					ft²	(%)
Main 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	
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	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	
Total	0.0	0.0														
Floor											70					
Part											0					
Int Door											0					
ExFlr											0					
Roof											0	0	0			
Wall											43	0	0			
Ext Door											0	0	0			
Main Htg											0.0		0	68.3	70.0	
Aux Htg											0.0		0	0.0	0.0	
Preheat											0.0		0	0.0	0.0	
Humidif											0.0		0	0.0	0.0	
Opt Vent											0.0		0	0.0	0.0	
Total											0.0					

Room Checksums

By MFIA Inc.

ST2N STAIR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES		
Peaked at Time:		Mo/Hr: 0 / 0		Mo/Hr: 0 / 0		Mo/Hr: Heating Design			Cooling	Heating			
Outside Air:		OADB/WB/HR: 0 / 0 / 0		OADB: 0		OADB: 22			SADB	0.0	70.0		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	0.0	68.3		
Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens		Ret/OA	0.0	68.3		
							Btu/h	Btu/h		Fn MtrTD	0.0	0.0	
										Fn BldTD	0.0	0.0	
										Fn Frict	0.0	0.0	
Envelope Loads				Envelope Loads									
Skylite Solar	0	0	0	0	0	0	0	0.00					
Skylite Cond	0	0	0	0	0	0	0	0.00					
Roof Cond	0	0	0	0	0	0	-207	24.15					
Glass Solar	0	0	0	0	0	0	0	0.00					
Glass/Door Cond	0	0	0	0	0	0	0	0.00					
Wall Cond	0	0	0	0	0	0	-783	-858	100.03				
Partition/Door	0	0	0	0	0	0	0	0.00					
Floor	0	0	0	0	0	0	0	0.00					
Adjacent Floor	0	0	0	0	0	0	0	0.00					
Infiltration	0	0	0	0	0	0	0	0.00					
Sub Total ==>	0	0	0	0	0	0	-783	-1,065	124.18				
Internal Loads				Internal Loads									
Lights	0	0	0	0	0	0	0	0.00					
People	0	0	0	0	0	0	0	0.00					
Misc	0	0	0	0	0	0	0	0.00					
Sub Total ==>	0	0	0	0	0	0	0	0.00					
Ceiling Load	0	0	0	0	0	0	-75	0.00					
Ventilation Load	0	0	0	0	0	0	0	0.00					
Adj Air Trans Heat	0	0	0	0	0	0	0	0					
Dehumid. Ov Sizing			0	0	0	0	0	0.00					
Ov/Undr Sizing	0		0	0	0	0	0	0.00					
Exhaust Heat		0	0	0	0	0	0	0.00					
Sup. Fan Heat			0	0	0	0	0	0.00					
Ret. Fan Heat		0	0	0	0	0	0	0.00					
Duct Heat Pkup		0	0	0	0	0	207	-24.18					
Underflr Sup Ht Pkup			0	0	0	0	0	0.00					
Supply Air Leakage		0	0	0	0	0	0	0.00					
Grand Total ==>	0	0	0	100.00	0	100.00	-858	-858	100.00				

AIRFLOWS		
	Cooling	Heating
Diffuser	0	0
Terminal	0	0
Main Fan	0	0
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	0	0
MinStop/Rh	0	0
Return	0	0
Exhaust	0	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft²	0.00	0.00
cfm/ton	0.00	0.00
ft²/ton	0.00	0.00
Btu/hr-ft²	0.00	0.00
No. People	0.5	3.3/1000 ft²

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	°F	gr/lb
Main Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	142		
Part	0		
Int Door	0		
ExFlr	0		
Roof	158	0	0
Wall	301	0	0
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	0.0	0	68.3	70.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	0.0			

Room Checksums

By MFIA Inc.

ST2S STAIR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 0 / 0		Mo/Hr: 0 / 0		Mo/Hr: Heating Design			Cooling		Heating	SADB	0.0	70.0
Outside Air:		OADB/WB/HR: 0 / 0 / 0		OADB: 0		OADB: 22			Ra Plenum		68.3	Return	0.0	68.3
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Ret/OA <th>Fn MtrTD <th>Fn BldTD <th>Fn Frict <td colspan="2"></td> </th></th></th>	Fn MtrTD <th>Fn BldTD <th>Fn Frict <td colspan="2"></td> </th></th>	Fn BldTD <th>Fn Frict <td colspan="2"></td> </th>	Fn Frict <td colspan="2"></td>		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Tot Sens Btu/h	(%)	0.0	0.0	0.0	0.0		
Envelope Loads				Envelope Loads										
Skylite Solar	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0		
Skylite Cond	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0		
Roof Cond	0	0	0	0	0	0	-209	28.47	0.0	0.0	0.0	0.0		
Glass Solar	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0		
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0		
Wall Cond	0	0	0	0	0	0	-660	98.43	0.0	0.0	0.0	0.0		
Partition/Door	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0		
Floor	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0		
Adjacent Floor	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0		
Infiltration	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0		
Sub Total ==>	0	0	0	0	0	0	-660	126.90	0.0	0.0	0.0	0.0		
Internal Loads				Internal Loads										
Lights	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0		
People	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0		
Misc	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0		
Sub Total ==>	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0		
Ceiling Load	0	0	0	0	0	0	-75	0.00	0.0	0.0	0.0	0.0		
Ventilation Load	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0		
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0		
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0		
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0		
Exhaust Heat	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0		
Sup. Fan Heat	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0		
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0		
Duct Heat Pkup	0	0	0	0	0	0	198	-26.90	0.0	0.0	0.0	0.0		
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0		
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0		
Grand Total ==>	0	0	0	100.00	0	100.00	-735	100.00	0.0	0.0	0.0	0.0		

AIRFLOWS		
	Cooling	Heating
Diffuser	0	0
Terminal	0	0
Main Fan	0	0
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	0	0
MinStop/Rh	0	0
Return	0	0
Exhaust	0	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft²	0.00	0.00
cfm/ton	0.00	0.00
ft²/ton	0.00	0.00
Btu/hr-ft²	0.00	0.00
No. People	0.5	3.3/1000 ft²

COOLING COIL SELECTION									
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Aux Clg	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
Total	0.0	0.0							

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	142		
Part	0		
Int Door	0		
ExFlr	0		
Roof	159	0	0
Wall	254	0	0
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	0.0	0	68.3	70.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	0.0			

Room Checksums

By MFIA Inc.

ST2W STAIR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES		
Peaked at Time:		Mo/Hr: 0 / 0		Mo/Hr: 0 / 0		Mo/Hr: Heating Design			Cooling	Heating			
Outside Air:		OADB/WB/HR: 0 / 0 / 0		OADB: 0		OADB: 22			SADB	0.0	70.0		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	0.0	68.3		
Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens		Ret/OA	0.0	68.3		
Envelope Loads				Envelope Loads							AIRFLOWS		
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Diffuser	0	0		
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Terminal	0	0		
Roof Cond	0	0	0	0	0	Roof Cond	0	0.00	Main Fan	0	0		
Glass Solar	0	0	0	0	0	Glass Solar	0	0.00	Sec Fan	0	0		
Glass/Door Cond	0	0	0	0	0	Glass/Door Cond	-578	53.72	Nom Vent	0	0		
Wall Cond	0	0	0	0	0	Wall Cond	-407	42.41	AHU Vent	0	0		
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00	Infil	0	0		
Floor	0	0	0	0	0	Floor	0	0.00	MinStop/Rh	0	0		
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	Return	0	0		
Infiltration	0	0	0	0	0	Infiltration	0	0.00	Exhaust	0	0		
Sub Total ==>	0	0	0	0	0	Sub Total ==>	-986	96.13	Rm Exh	0	0		
Internal Loads				Internal Loads							ENGINEERING CKS		
Lights	0	0	0	0	0	Lights	0	0.00	% OA	0.0	0.0		
People	0	0	0	0	0	People	0	0.00	cfm/ft²	0.00	0.00		
Misc	0	0	0	0	0	Misc	0	0.00	cfm/ton	0.00			
Sub Total ==>	0	0	0	0	0	Sub Total ==>	0	0.00	ft²/ton	0.00			
Ceiling Load	0	0	0	0	0	Ceiling Load	-91	0.00	Btu/hr-ft²	0.00	0.00		
Ventilation Load	0	0	0	0	0	Ventilation Load	0	0.00	No. People	0.6	3.3/1000 ft²		
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0					
Dehumid. Ov Sizing		0	0			Ov/Undr Sizing	0	0.00					
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	0	0.00					
Exhaust Heat		0	0			OA Preheat Diff.	0	0.00					
Sup. Fan Heat		0	0			RA Preheat Diff.	0	0.00					
Ret. Fan Heat		0	0			Additional Reheat		0.00					
Duct Heat Pkup		0	0			System Plenum Heat		-42 3.87					
Underflr Sup Ht Pkup		0	0			Underflr Sup Ht Pkup		0 0.00					
Supply Air Leakage		0	0			Supply Air Leakage		0 0.00					
Grand Total ==>	0	0	100.00	0	100.00	Grand Total ==>	-1,077	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	Ent	Lvg		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb					ft²	(%)
Main 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
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
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0
Total	0.0	0.0														
Floor										171						
Part										0						
Int Door										0						
ExFlr										0						
Roof										0	0	0				
Wall										196	36	18				
Ext Door										0	0	0				
Main Htg													0.0	0	68.3	70.0
Aux Htg													0.0	0	0.0	0.0
Preheat													0.0	0	0.0	0.0
Humidif													0.0	0	0.0	0.0
Opt Vent													0.0	0	0.0	0.0
Total													0.0			

Room Checksums

By MFIA Inc.

ST3C STAIR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES					
Peaked at Time:		Mo/Hr: 0 / 0		Mo/Hr: 0 / 0		Mo/Hr: Heating Design			Cooling		Heating	SADB	0.0	70.0		
Outside Air:		OADB/WB/HR: 0 / 0 / 0		OADB: 0		OADB: 22			Ra Plenum		68.3	Return	0.0	68.3		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Ret/OA <th>Fn MtrTD <th>Fn BldTD <th>Fn Frict <td colspan="2"></td> </th></th></th>	Fn MtrTD <th>Fn BldTD <th>Fn Frict <td colspan="2"></td> </th></th>	Fn BldTD <th>Fn Frict <td colspan="2"></td> </th>	Fn Frict <td colspan="2"></td>				
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Tot Sens Btu/h		0.0	0.0	0.0	0.0				
Envelope Loads				Envelope Loads							AIRFLOWS					
Skylite Solar	0	0	0	0	0	0	0	0.00	Cooling		Heating					
Skylite Cond	0	0	0	0	0	0	0	0.00	Diffuser		0		0			
Roof Cond	0	0	0	0	0	0	0	0.00	Terminal		0		0			
Glass Solar	0	0	0	0	0	0	0	0.00	Main Fan		0		0			
Glass/Door Cond	0	0	0	0	0	0	0	0.00	Sec Fan		0		0			
Wall Cond	0	0	0	0	0	0	0	0.00	Nom Vent		0		0			
Partition/Door	0	0	0	0	0	0	0	0.00	AHU Vent		0		0			
Floor	0	0	0	0	0	0	0	0.00	Infil		0		0			
Adjacent Floor	0	0	0	0	0	0	0	0.00	MinStop/Rh		0		0			
Infiltration	0	0	0	0	0	0	0	0.00	Return		0		0			
Sub Total ==>	0	0	0	0	0	0	0	0.00	Exhaust		0		0			
Internal Loads				Internal Loads							Rm Exh		0		0	
Lights	0	0	0	0	0	0	0	0.00	Auxiliary		0		0			
People	0	0	0	0	0	0	0	0.00	Leakage Dwn		0		0			
Misc	0	0	0	0	0	0	0	0.00	Leakage Ups		0		0			
Sub Total ==>	0	0	0	0	0	0	0	0.00								
Ceiling Load	0	0	0	0	0	0	0	0.00								
Ventilation Load	0	0	0	0	0	0	0	0.00								
Adj Air Trans Heat	0	0	0	0	0	0	0	0								
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00								
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00								
Exhaust Heat	0	0	0	0	0	0	0	0.00								
Sup. Fan Heat	0	0	0	0	0	0	0	0.00								
Ret. Fan Heat	0	0	0	0	0	0	0	0.00								
Duct Heat Pkup	0	0	0	0	0	0	0	0.00								
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00								
Supply Air Leakage	0	0	0	0	0	0	0	0.00								
Grand Total ==>	0	0	0	100.00	0	100.00	Grand Total ==>	-43	-43	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	Ent	Lvg		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb					ft²	(%)
Main Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	68.3	70.0		
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	0.0	0.0	0.0	0.0		
Total	0.0	0.0														
Floor									81				Main Htg			
Part									0				Aux Htg			
Int Door									0				Preheat			
ExFlr									0				Humidif			
Roof									69		0		0			
Wall									0		0		0			
Ext Door									0		0		0			
													Total		0.0	

Room Checksums

By MFIA Inc.

001 TUNNEL

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES		
Peaked at Time:		Mo/Hr: 0 / 0		Mo/Hr: 0 / 0		Mo/Hr: Heating Design			Cooling	Heating			
Outside Air:		OADB/WB/HR: 0 / 0 / 0		OADB: 0		OADB: 22			SADB	0.0	70.0		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	0.0	67.6		
Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens		Ret/OA	0.0	70.0		
							Btu/h	Btu/h		Fn MtrTD	0.0	0.0	
										Fn BldTD	0.0	0.0	
										Fn Frict	0.0	0.0	
Envelope Loads				Envelope Loads									
Skylite Solar	0	0	0	0	0	0	0	0.00					
Skylite Cond	0	0	0	0	0	0	0	0.00					
Roof Cond	0	0	0	0	0	0	0	0.00					
Glass Solar	0	0	0	0	0	0	0	0.00					
Glass/Door Cond	0	0	0	0	0	0	0	0.00					
Wall Cond	0	0	0	0	0	0	0	0.00					
Partition/Door	0	0	0	0	0	0	0	0.00					
Floor	0	0	0	0	0	0	0	0.00					
Adjacent Floor	0	0	0	0	0	0	0	0.00					
Infiltration	0	0	0	0	0	0	0	0.00					
Sub Total ==>	0	0	0	0	0	0	0	0.00					
Internal Loads				Internal Loads									
Lights	0	0	0	0	0	0	0	0.00					
People	0	0	0	0	0	0	0	0.00					
Misc	0	0	0	0	0	0	0	0.00					
Sub Total ==>	0	0	0	0	0	0	0	0.00					
Ceiling Load	0	0	0	0	0	-263	0	0.00					
Ventilation Load	0	0	0	0	0	0	0	0.00					
Adj Air Trans Heat	0	0	0	0	0	0	0	0					
Dehumid. Ov Sizing			0	0		0	0	0.00					
Ov/Undr Sizing	0		0	0	0	0	0	0.00					
Exhaust Heat		0	0	0		0	0	0.00					
Sup. Fan Heat			0	0		0	0	0.00					
Ret. Fan Heat			0	0		0	0	0.00					
Duct Heat Pkup		0	0	0		0	-263	100.00					
Underflr Sup Ht Pkup			0	0		0	0	0.00					
Supply Air Leakage		0	0	0		0	0	0.00					
Grand Total ==>	0	0	0	100.00	0	100.00	-263	-263	100.00				

AIRFLOWS		
	Cooling	Heating
Diffuser	0	0
Terminal	0	0
Main Fan	0	0
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	0	0
MinStop/Rh	0	0
Return	0	0
Exhaust	0	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft²	0.00	0.00
cfm/ton	0.00	0.00
ft²/ton	0.00	0.00
Btu/hr-ft²	0.00	0.00
No. People	1.2	3.3/1000 ft²

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	°F	gr/lb
Main Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	350		
Part	0		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	0.0	0	70.0	70.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	0.0			

Room Checksums

By MFIA Inc.

002 STAIR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES		
Peaked at Time:		Mo/Hr: 0 / 0		Mo/Hr: 0 / 0		Mo/Hr: Heating Design			Cooling	Heating			
Outside Air:		OADB/WB/HR: 0 / 0 / 0		OADB: 0		OADB: 22			SADB	0.0	70.0		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	0.0	67.6		
Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens		Ret/OA	0.0	70.0		
Envelope Loads				Envelope Loads							AIRFLOWS		
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Diffuser	Cooling	Heating		
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Terminal	0	0		
Roof Cond	0	0	0	0	0	Roof Cond	0	0.00	Main Fan	0	0		
Glass Solar	0	0	0	0	0	Glass Solar	0	0.00	Sec Fan	0	0		
Glass/Door Cond	0	0	0	0	0	Glass/Door Cond	0	0.00	Nom Vent	0	0		
Wall Cond	0	0	0	0	0	Wall Cond	0	0.00	AHU Vent	0	0		
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00	Infil	0	0		
Floor	0	0	0	0	0	Floor	0	0.00	MinStop/Rh	0	0		
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	Return	0	0		
Infiltration	0	0	0	0	0	Infiltration	0	0.00	Exhaust	0	0		
Sub Total ==>	0	0	0	0	0	Sub Total ==>	0	0.00	Rm Exh	0	0		
Internal Loads				Internal Loads							ENGINEERING CKS		
Lights	0	0	0	0	0	Lights	0	0.00	% OA	Cooling	Heating		
People	0	0	0	0	0	People	0	0.00	cfm/ft²	0.0	0.0		
Misc	0	0	0	0	0	Misc	0	0.00	cfm/ton	0.00	0.00		
Sub Total ==>	0	0	0	0	0	Sub Total ==>	0	0.00	ft²/ton	0.00	0.00		
Ceiling Load	0	0	0	0	0	Ceiling Load	-169	0.00	Btu/hr-ft²	0.00	0.00		
Ventilation Load	0	0	0	0	0	Ventilation Load	0	0.00	No. People	0.7	3.3/1000 ft²		
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0					
Dehumid. Ov Sizing	0	0	0	0	0	Ov/Undr Sizing	0	0.00					
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	0	0.00					
Exhaust Heat	0	0	0	0	0	OA Preheat Diff.	0	0.00					
Sup. Fan Heat	0	0	0	0	0	RA Preheat Diff.	0	0.00					
Ret. Fan Heat	0	0	0	0	0	Additional Reheat	0	0.00					
Duct Heat Pkup	0	0	0	0	0	System Plenum Heat	-169	100.00					
Underflr Sup Ht Pkup	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00					
Supply Air Leakage	0	0	0	0	0	Supply Air Leakage	0	0.00					
Grand Total ==>	0	0	100.00	0	100.00	Grand Total ==>	-169	-169	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	Ent	Lvg		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb					ft²	(%)
Main 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	
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	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	
Total	0.0	0.0														
Floor	225								Main Htg			0.0		0 70.0 70.0		
Part	0								Aux Htg			0.0		0 0.0 0.0		
Int Door	0								Preheat			0.0		0 0.0 0.0		
ExFlr	0								Humidif			0.0		0 0.0 0.0		
Roof	0								Opt Vent			0.0		0 0.0 0.0		
Wall	0								Total			0.0				
Ext Door	0															

Room Checksums

By MFIA Inc.

003 MECHANICAL

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 0 / 0		Mo/Hr: 0 / 0		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 0 / 0 / 0		OADB: 0		OADB: 22			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens							
Envelope Loads				Envelope Loads										
Skylite Solar	0	0	0	0	0	0	0	0.00						
Skylite Cond	0	0	0	0	0	0	0	0.00						
Roof Cond	0	0	0	0	0	0	0	0.00						
Glass Solar	0	0	0	0	0	0	0	0.00						
Glass/Door Cond	0	0	0	0	0	0	0	0.00						
Wall Cond	0	0	0	0	0	0	0	0.00						
Partition/Door	0	0	0	0	0	0	0	0.00						
Floor	0	0	0	0	0	0	0	0.00						
Adjacent Floor	0	0	0	0	0	0	0	0.00						
Infiltration	0	0	0	0	0	0	0	0.00						
Sub Total ==>	0	0	0	0	0	0	0	0.00						
Internal Loads				Internal Loads										
Lights	0	0	0	0	0	0	0	0.00						
People	0	0	0	0	0	0	0	0.00						
Misc	0	0	0	0	0	0	0	0.00						
Sub Total ==>	0	0	0	0	0	0	0	0.00						
Ceiling Load	0	0	0	0	0	-160	0	0.00						
Ventilation Load	0	0	0	0	0	0	0	0.00						
Adj Air Trans Heat	0	0	0	0	0	0	0	0						
Dehumid. Ov Sizing			0	0		0	0	0.00						
Ov/Undr Sizing	0		0	0	0	0	0	0.00						
Exhaust Heat		0	0	0		0	0	0.00						
Sup. Fan Heat			0	0		0	0	0.00						
Ret. Fan Heat			0	0		0	0	0.00						
Duct Heat Pkup			0	0		0	0	0.00						
Underflr Sup Ht Pkup			0	0		0	0	0.00						
Supply Air Leakage			0	0		0	0	0.00						
Grand Total ==>	0	0	0	100.00	0	100.00	-160	-160	100.00					

AIRFLOWS		
	Cooling	Heating
Diffuser	0	0
Terminal	0	0
Main Fan	0	0
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	0	0
MinStop/Rh	0	0
Return	0	0
Exhaust	0	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft²	0.00	0.00
cfm/ton	0.00	0.00
ft²/ton	0.00	0.00
Btu/hr-ft²	0.00	0.00
No. People	0.7	3.3/1000 ft²

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	°F	gr/lb
Main Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	213		
Part	0		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	0.0	0	70.0	70.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	0.0			

Room Checksums

By MFIA Inc.

100 MULTI FAMILY VISITATION

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES					
Peaked at Time:		Mo/Hr: 8 / 16		Mo/Hr: 9 / 16		Mo/Hr: Heating Design						Cooling	Heating				
Outside Air:		OADB/WB/HR: 94 / 65 / 49		OADB: 89		OADB: 22						SADB	55.0	74.0			
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.1	69.9			
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.9	69.9			
Envelope Loads				Envelope Loads								Ret/OA	78.9	62.0			
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0			
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0			
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	1.1	0.0			
Glass Solar	4,957	0	4,957	25	5,632	38	0	0.00	0	0	0.00	AIRFLOWS					
Glass/Door Cond	569	0	569	3	414	3	-1,457	16.13	-1,457	16.13	Diffuser				694	694	
Wall Cond	664	87	750	4	695	5	-536	6.71	-607	6.71	Terminal				694	694	
Partition/Door	0	0	0	0	0	0	0	0.00	0	0.00	Main Fan				694	694	
Floor	-446	0	-446	-2	-437	-3	-981	10.86	-981	10.86	Sec Fan				0	0	
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0.00	Nom Vent				115	115	
Infiltration	0	0	0	0	0	0	0	0.00	0	0.00	AHU Vent				115	115	
<i>Sub Total ==></i>	5,743	87	5,830	30	6,304	42	-2,975	33.70	-3,045	33.70	Infil				0	0	
Internal Loads				Internal Loads											MinStop/Rh	0	0
Lights	2,694	0	2,694	14	2,694	18	0	0.00	0	0	0.00				Return	694	694
People	4,872	0	4,872	25	2,984	20	0	0.00	0	0	0.00	Exhaust	115	115			
Misc	2,993	0	2,993	15	2,993	20	0	0.00	0	0	0.00	Rm Exh	0	0			
<i>Sub Total ==></i>	10,558	0	10,558	53	8,670	58	0	0.00	0	0	0.00	Auxiliary	0	0			
Ceiling Load	29	-29	0	0	30	0	-23	0.00	0	0	0.00	Leakage Dwn	0	0			
Ventilation Load	0	0	1,643	8	0	0	0	66.29	-5,989	66.29	Leakage Ups	0	0				
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	ENGINEERING CKS					
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00				% OA	16.5	16.5
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00				cfm/ft²	0.71	0.71
Exhaust Heat	0	-113	-113	-1	0	0	9	-0.10	0	0	0.00				cfm/ton	366.67	
Sup. Fan Heat	0	0	1,222	6	0	0	0	0.00	0	0	0.00				ft²/ton	514.60	
Ret. Fan Heat	0	617	617	3	0	0	0	0.00	0	0	0.00				Btu/hr-ft²	23.32	-11.59
Duct Heat Pkup	0	0	0	0	0	0	-10	0.11	0	0	0.00				No. People	12.2	12.5/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00						
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00						
<i>Grand Total ==></i>	16,330	562	19,757	100.00	15,004	100.00	-2,998	100.00	-9,034	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	Lvg	Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F	gr/lb
Main Clg	1.9	22.7	18.6	694	78.9	61.6	56.9	53.4	49.8	49.3	Floor	974		Main Htg	-11.3	694	62.0	74.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
Total	1.9	22.7									ExFlr	974		Humidif	0.0	0	0.0	0.0	
											Roof	0	0	Opt Vent	0.0	0	0.0	0.0	
											Wall	248	54	22	Total	-11.3			
											Ext Door	0	0	0					

Room Checksums

By MFIA Inc.

101 ADMIN

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES								
Peaked at Time:		Mo/Hr: 7 / 9		Mo/Hr: 7 / 9		Mo/Hr: Heating Design			Cooling			Heating							
Outside Air:		OADB/WB/HR: 71 / 51 / 25		OADB: 71		OADB: 22			SADB			Ra Plenum							
	Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return			Ret/OA						
	Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens		Fn MtrTD			Fn BldTD						
							Btu/h	Btu/h		Fn Frict									
Envelope Loads				Envelope Loads							AIRFLOWS								
Skylite Solar	0	0	0	0	0	0	Skylite Solar	0	0	0.00	Diffuser			Cooling			Heating		
Skylite Cond	0	0	0	0	0	0	Skylite Cond	0	0	0.00	Terminal			156			156		
Roof Cond	0	0	0	0	0	0	Roof Cond	0	0	0.00	Main Fan			156			156		
Glass Solar	2,507	0	2,507	72	2,507	75	Glass Solar	0	0	0.00	Sec Fan			0			0		
Glass/Door Cond	-88	0	-88	-3	-88	-3	Glass/Door Cond	-972	-972	36.84	Nom Vent			20			20		
Wall Cond	196	28	224	6	196	6	Wall Cond	-254	-291	11.03	AHU Vent			20			20		
Partition/Door	0	0	0	0	0	0	Partition/Door	0	0	0.00	Infil			0			0		
Floor	-65	0	-65	-2	-65	-2	Floor	-115	-115	4.37	MinStop/Rh			0			0		
Adjacent Floor	0	0	0	0	0	0	Adjacent Floor	0	0	0.00	Return			156			156		
Infiltration	0	0	0	0	0	0	Infiltration	0	0	0.00	Exhaust			20			20		
<i>Sub Total ==></i>	2,550	28	2,578	74	2,550	76	<i>Sub Total ==></i>	-1,341	-1,378	52.25	Rm Exh			0			0		
Internal Loads				Internal Loads							ENGINEERING CKS								
Lights	308	0	308	9	308	9	Lights	0	0	0.00	% OA			Cooling			Heating		
People	318	0	318	9	158	5	People	0	0	0.00	cfm/ft²			1.36			1.36		
Misc	346	0	346	10	346	10	Misc	0	0	0.00	cfm/ton			468.84			468.84		
<i>Sub Total ==></i>	971	0	971	28	811	24	<i>Sub Total ==></i>	0	0	0.00	ft²/ton			344.66			344.66		
Ceiling Load	3	-3	0	0	3	0	Ceiling Load	-4	0	0.00	Btu/hr-ft²			34.82			-28.81		
Ventilation Load	0	0	-478	-14	0	0	Ventilation Load	0	-1,030	39.07	No. People			0.8			7.0/1000 ft²		
Adj Air Trans Heat	0	0	0	0	0	0	Adj Air Trans Heat	0	0	0									
Dehumid. Ov Sizing			0	0			Ov/Undr Sizing	-246	-246	9.34									
Ov/Undr Sizing	0	0	0	0	0	0	Exhaust Heat	2	-0.08										
Exhaust Heat		-19	-19	-1			OA Preheat Diff.	0	0.00										
Sup. Fan Heat			274	8			RA Preheat Diff.	0	0.00										
Ret. Fan Heat		138	138	4			Additional Reheat	0	0.00										
Duct Heat Pkup		0	0	0			System Plenum Heat	15	-0.57										
Underflr Sup Ht Pkup		0	0	0			Underflr Sup Ht Pkup	0	0.00										
Supply Air Leakage		0	0	0			Supply Air Leakage	0	0.00										
Grand Total ==>	3,524	145	3,464	100.00	3,364	100.00	Grand Total ==>	-1,591	-2,637	100.00									

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft² (%)	MBh	cfm	°F	°F			
Main Clg	0.3	4.0	3.7	156	75.3	59.2	51.6	53.4	49.7	48.7	Floor	114		Main Htg	-3.3	156	63.8	79.5	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	114							
Total	0.3	4.0									Roof	0	0	Humidif	0.0	0	0.0	0.0	
											Wall	129	36	28	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	Total	-3.3			

Room Checksums

By MFIA Inc.

101A MENS

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 11		Mo/Hr: 7 / 10		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 82 / 58 / 36		OADB: 76		OADB: 22						SADB	55.0	79.5
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.1	69.9
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.9	69.9
Envelope Loads				Envelope Loads								Ret/OA	76.7	63.6
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	1.1	0.0
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	AIRFLOWS		
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	21	21
Wall Cond	141	14	155	28	154	33	-166	49.82	-166	-183	49.82	Terminal	21	21
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	21	21
Floor	-29	0	-29	-5	-29	-6	-51	13.80	-51	-51	13.80	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	3	3
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	3	3
Sub Total ==>	112	14	126	23	125	27	-217	63.63	-217	-234	63.63	Infil	0	0
Internal Loads				Internal Loads								MinStop/Rh	0	0
Lights	145	0	145	26	139	30	0	0.00	0	0	0.00	Return	21	21
People	76	0	76	14	42	9	0	0.00	0	0	0.00	Exhaust	3	3
Misc	162	0	162	30	155	33	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	383	0	383	70	336	73	0	0.00	0	0	0.00	Auxiliary	0	0
Ceiling Load				Ceiling Load								Leakage Dwn	0	0
Ventilation Load	0	-1	-16	-3	0	0	-2	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	-146	39.87	ENGINEERING CKS		
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	13.1	13.1
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	0.43	0.43
Exhaust Heat	0	-3	-3	0	0	0	0	-0.09	0	0	0.00	cfm/ton	408.11	
Sup. Fan Heat	0	0	38	7	0	0	0	0.00	0	0	0.00	ft²/ton	960.21	
Ret. Fan Heat	0	0	19	3	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	12.50	-9.12
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	13	-3.41	0.00	No. People	0.2	3.3/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	496	29	547	100.00	463	100.00	-219	100.00	-219	-367	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	Lvg	Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F
Main Clg	0.1	0.6	0.6	21	76.7	59.9	52.9	53.4	49.1	46.6	Floor	50		Main Htg	-0.5	21	63.6	79.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	50						
Total	0.1	0.6									Roof	0	0	Humidif	0.0	0	0.0	0.0
											Wall	59	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	Total	-0.5			

Room Checksums

By MFIA Inc.

101B WOMENS

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 11			Mo/Hr: 7 / 10		Mo/Hr: Heating Design			Mo/Hr: Heating Design			Cooling	Heating			
Outside Air:		OADB/WB/HR: 82 / 58 / 36			OADB: 76		OADB: 22			OADB: 22			SADB	55.0	79.5		
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent	Space Sens	Tot Sens	Of Total	Return	75.1	69.9			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA	75.9	69.9			
Envelope Loads					Envelope Loads										Fn MtrTD	0.2	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0			
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	1.1	0.0			
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	AIRFLOWS					
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	21	21			
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	21	21			
Wall Cond	141	14	155	28	154	33	-166	49.82	-166	-183	49.82	Main Fan	21	21			
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0			
Floor	-29	0	-29	-5	-29	-6	-51	13.80	-51	-51	13.80	Nom Vent	3	3			
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	3	3			
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	Infil	0	0			
Sub Total ==>	112	14	126	23	125	27	-217	63.63	-217	-234	63.63	MinStop/Rh	0	0			
Internal Loads					Internal Loads										Return	21	21
Lights	145	0	145	26	139	30	0	0.00	0	0	0.00	Exhaust	3	3			
People	76	0	76	14	42	9	0	0.00	0	0	0.00	Rm Exh	0	0			
Misc	162	0	162	30	155	33	0	0.00	0	0	0.00	Auxiliary	0	0			
Sub Total ==>	383	0	383	70	336	73	0	0.00	0	0	0.00	Leakage Dwn	0	0			
Ceiling Load					Ceiling Load										Leakage Ups	0	0
Ventilation Load	0	-1	-16	-3	0	0	-2	0.00	0	0	0.00	ENGINEERING CKS					
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	-146	39.87	% OA	13.1	13.1			
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	0.43	0.43			
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ton	408.11				
Exhaust Heat	0	-3	-3	0	0	0	0	-0.09	0	0	-0.09	ft²/ton	960.21				
Sup. Fan Heat	0	0	38	7	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	12.50	-9.12			
Ret. Fan Heat	0	19	19	3	0	0	0	0.00	0	0	0.00	No. People	0.2	3.3/1000 ft²			
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00						
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00						
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00						
Grand Total ==>	496	29	547	100.00	463	100.00	-219	100.00	-219	-367	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
Main Clg	0.1	0.6	0.6	21	76.7	59.9	52.9	53.4	49.1	46.6	Floor	50			Main Htg	-0.5	21	63.6	79.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0			Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0			Preheat	0.0	0	0.0	0.0
											ExFlr	50							
Total	0.1	0.6									Roof	0	0	0	Humidif	0.0	0	0.0	0.0
											Wall	59	0	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	Total	-0.5			

Room Checksums

By MFIA Inc.

103 SMALL GROUP

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 16		Mo/Hr: 7 / 10		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating	
Outside Air:		OADB/WB/HR: 94 / 66 / 53		OADB: 76		OADB: 22		OADB: 22				SADB	55.0	79.5
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.1	69.9
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.9	69.9
Envelope Loads				Envelope Loads								Ret/OA	80.5	57.6
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	1.1	0.0
Glass Solar	538	0	538	6	1,897	29	0	0.00	0	0	0.00	AIRFLOWS		
Glass/Door Cond	369	0	369	4	-2	0	-972	13.42	-972	-972	13.42	Diffuser	306	306
Wall Cond	155	22	177	2	253	4	-274	4.31	-274	-312	4.31	Terminal	306	306
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	306	306
Floor	-155	0	-155	-2	-155	-2	-274	3.78	-274	-274	3.78	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	78	78
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	78	78
<i>Sub Total ==></i>	907	22	929	10	1,994	30	-1,519	21.51	-1,519	-1,558	21.51	Infil	0	0
Internal Loads				Internal Loads								MinStop/Rh	0	0
Lights	752	0	752	8	752	11	0	0.00	0	0	0.00	Return	306	306
People	4,945	0	4,945	51	3,029	46	0	0.00	0	0	0.00	Exhaust	78	78
Misc	836	0	836	9	836	13	0	0.00	0	0	0.00	Rm Exh	0	0
<i>Sub Total ==></i>	6,533	0	6,533	68	4,617	70	0	0.00	0	0	0.00	Auxiliary	0	0
Ceiling Load				Ceiling Load								Leakage Dwn	0	0
Ventilation Load	0	-6	0	0	7	0	-9	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	1,440	15	0	0	0	56.41	0	-4,085	56.41	ENGINEERING CKS		
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	25.5	25.5
Ov/Undr Sizing	0	0	0	0	0	0	-1,602	22.12	-1,602	-1,602	22.12	cfm/ft²	1.13	1.13
Exhaust Heat	0	-75	-75	-1	0	0	0	0.00	0	9	-0.12	cfm/ton	331.54	
Sup. Fan Heat	0	0	539	6	0	0	0	0.00	0	0	0.00	ft²/ton	294.50	
Ret. Fan Heat	0	272	272	3	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	40.75	-33.28
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	12.4	45.5/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	7,446	213	9,638	100.00	6,618	100.00	-3,130	100.00	-3,130	-7,241	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft² (%)	MBh	cfm	°F	°F			
Main Clg	0.9	11.1	7.9	306	80.5	61.7	54.7	53.4	48.5	44.4	Floor	272		Main Htg	-9.1	306	57.6	79.5	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
Total	0.9	11.1									ExFlr	272		Humidif	0.0	0	0.0	0.0	
											Roof	0	0	0	Opt Vent	0.0	0	0.0	0.0
											Wall	136	36	26	Total	-9.1			
											Ext Door	0	0	0					

Room Checksums

By MFIA Inc.

104 CONSULT

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 9		Mo/Hr: Heating Design						Cooling			Heating		
Outside Air:		OADB/WB/HR: 95 / 66 / 54			OADB: 71		OADB: 22						SADB	55.0	79.5	Ra Plenum	75.1	69.9
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Return	75.9	69.9	Ret/OA	79.3	61.2	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Fn MtrTD	0.2	0.0	Fn BldTD	0.4	0.0	
Envelope Loads					Envelope Loads										AIRFLOWS			
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	205	205				
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	205	205				
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	205	205				
Glass Solar	592	0	592	11	2,507	56	0	0.00	0	0	0.00	Sec Fan	0	0				
Glass/Door Cond	375	0	375	7	-88	-2	-972	23.94	-972	-972	34.94	Nom Vent	37	37				
Wall Cond	151	21	172	3	213	5	-277	7.79	-277	-316	7.79	AHU Vent	37	37				
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Infil	0	0				
Floor	-73	0	-73	-1	-73	-2	-130	3.21	-130	-130	3.21	MinStop/Rh	0	0				
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Return	205	205				
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	Exhaust	37	37				
Sub Total ==>	1,044	21	1,065	20	2,559	58	-1,379	34.94	-1,379	-1,418	34.94	Rm Exh	0	0				
Internal Loads					Internal Loads										ENGINEERING CKS			
Lights	347	0	347	7	347	8	0	0.00	0	0	0.00	% OA	18.1	18.1				
People	2,249	0	2,249	42	1,137	26	0	0.00	0	0	0.00	cfm/ft²	1.59	1.59				
Misc	390	0	390	7	390	9	0	0.00	0	0	0.00	cfm/ton	402.30					
Sub Total ==>	2,987	0	2,987	56	1,875	42	0	0.00	0	0	0.00	ft²/ton	253.24					
Ceiling Load	3	-3	0	0	3	0	-4	0.00	-4	0	0.00	Btu/hr-ft²	47.39	-39.25				
Ventilation Load	0	0	765	14	0	0	0	47.82	0	-1,940	47.82	No. People	5.9	45.5/1000 ft²				
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0							
Dehumid. Ov Sizing	0	0	0	0	0	0	-715	17.63	-715	-715	17.63							
Ov/Undr Sizing	0	0	0	0	0	0	0	-0.10	0	4	-0.10							
Exhaust Heat	0	-36	-36	-1	0	0	0	0.00	0	0	0.00							
Sup. Fan Heat	0	0	361	7	0	0	0	0.00	0	0	0.00							
Ret. Fan Heat	0	182	182	3	0	0	0	0.00	0	0	0.00							
Duct Heat Pkup	0	0	0	0	0	0	0	-0.28	0	11	-0.28							
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00							
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00							
Grand Total ==>	4,034	165	5,325	100.00	4,437	100.00	-2,099	100.00	-2,099	-4,058	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	ft² (%)	Capacity	Coil Airflow	Ent °F	Lvg °F		
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F	gr/lb
Main Clg	0.5	6.1	4.4	205	79.3	61.4	55.2	53.4	50.7	52.4	Floor	129	Main Htg	-5.1	205	61.2	79.5		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0		
Total	0.5	6.1									ExFlr	129	Humidif	0.0	0	0.0	0.0		
											Roof	0	Opt Vent	0.0	0	0.0	0.0		
											Wall	137	Total	-5.1					
											Ext Door	0							

Room Checksums

By MFIA Inc.

105 CONSULT

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 16		Mo/Hr: 9 / 17		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 94 / 66 / 53		OADB: 87		OADB: 22						SADB	55.0	79.5
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.1	69.9
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.9	69.9
Envelope Loads				Envelope Loads								Ret/OA	82.5	52.1
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	1.1	0.0
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	AIRFLOWS		
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	100	100
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	100	100
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	100	100
Floor	-73	-73	-2	-58	-3	-129	-129	4.37	-129	-129	4.37	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	37	37
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	37	37
Sub Total ==>	-73	0	-73	-2	-3	-129	-129	4.37				Infil	0	0
Internal Loads				Internal Loads								MinStop/Rh	0	0
Lights	355	0	355	9	370	17	0	0.00	0	0	0.00	Return	100	100
People	2,337	0	2,337	60	1,431	66	0	0.00	0	0	0.00	Exhaust	37	37
Misc	395	0	395	10	413	19	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	3,087	0	3,087	79	2,215	103	0	0.00	0	0	0.00	Auxiliary	0	0
Ceiling Load				Ceiling Load								Leakage Dwn	0	0
Ventilation Load	0	-3	0	0	3	0	-4	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	680	17	0	0	0	65.22	0	-1,930	65.22	ENGINEERING CKS		
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	36.9	36.9
Ov/Undr Sizing	0	0	0	0	0	0	-888	30.02	0	-888	30.02	cfm/ft²	0.78	0.78
Exhaust Heat	-36	-36	-1	0	0	0	0	0.00	0	4	-0.14	cfm/ton	265.89	
Sup. Fan Heat	176	176	4	0	0	0	0	0.00	0	0	0.00	ft²/ton	341.83	
Ret. Fan Heat	89	89	2	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	35.11	-28.78
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	-16	0.53	No. People	5.8	45.5/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	3,016	50	3,923	100.00	2,161	100.00	Grand Total ==>	-1,022	-2,959	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	Ent	Lvg	Capacity	Coil Airflow	Ent	Lvg
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								
Main Clg	0.4	4.5	3.1	100	82.5	62.3	54.4	53.4	45.6	34.3	Floor	129		Main Htg	-3.7	100	52.1	79.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	-0.2	100	52.1	53.4
Total	0.4	4.5									ExFlr	129		Humidif	0.0	0	0.0	0.0
											Roof	0	0	Opt Vent	0.0	0	0.0	0.0
											Wall	0	0	Total	-3.7			
											Ext Door	0	0					

Room Checksums

By MFIA Inc.

106 TEACHING KITCHEN

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES			
Peaked at Time:		Mo/Hr: 8 / 16			Mo/Hr: 9 / 16		Mo/Hr: Heating Design						Cooling			Heating		
Outside Air:		OADB/WB/HR: 94 / 65 / 49			OADB: 89		OADB: 22						SADB	55.0	75.8	Ra Plenum	75.1	69.9
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent	Space Sens	Tot Sens	Of Total	Fn MtrTD	Fn BldTD	Fn Frict				
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	Btu/h				
Envelope Loads					Envelope Loads										AIRFLOWS			
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	1,245	1,245				
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	1,245	1,245				
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	1,245	1,245				
Glass Solar	7,572	0	7,572	20	31	0	0	0.00	0	0	0.00	Sec Fan	0	0				
Glass/Door Cond	1,517	0	1,517	4	4	-3,886	-3,886	19.43	-3,886	-3,886	19.43	Nom Vent	231	231				
Wall Cond	1,727	210	1,938	5	6	-2,011	-2,256	11.28	-2,011	-2,256	11.28	AHU Vent	231	231				
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Infil	0	0				
Floor	-833	0	-833	-2	-3	-1,833	-1,833	9.16	-1,833	-1,833	9.16	MinStop/Rh	0	0				
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Return	1,245	1,245				
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	Exhaust	231	231				
Sub Total ==>	9,982	210	10,193	27	38	-7,730	-7,975	39.88	-7,730	-7,975	39.88	Rm Exh	0	0				
Internal Loads					Internal Loads										ENGINEERING CKS			
Lights	5,031	0	5,031	13	19	0	0	0.00	0	0	0.00	% OA	18.5	18.5				
People	10,920	0	10,920	29	23	0	0	0.00	0	0	0.00	cfm/ft²	0.68	0.68				
Misc	5,590	0	5,590	15	21	0	0	0.00	0	0	0.00	cfm/ton	340.33					
Sub Total ==>	21,542	0	21,542	56	62	0	0	0.00	0	0	0.00	ft²/ton	497.53					
Ceiling Load	63	-63	0	0	0	-74	0	0.00	-74	0	0.00	Btu/hr-ft²	24.12	-13.74				
Ventilation Load	0	0	3,371	9	0	0	-12,056	60.28	0	-12,056	60.28	No. People	24.3	13.3/1000 ft²				
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0							
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00							
Ov/Undr Sizing	0	0	0	0	0	0	32	-0.16	0	0	0.00							
Exhaust Heat	0	-232	-232	-1	0	0	0	0.00	0	0	0.00							
Sup. Fan Heat	0	0	2,191	6	0	0	0	0.00	0	0	0.00							
Ret. Fan Heat	0	1,107	1,107	3	0	0	0	0.00	0	0	0.00							
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00							
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00							
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00							
Grand Total ==>	31,587	1,022	38,171	100.00	26,907	100.00	-7,803	-19,999	100.00	-7,803	-19,999	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	ft² (%)	Capacity	Coil Airflow	Ent °F	Lvg °F		
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F	gr/lb
Main Clg	3.7	43.9	34.7	1,245	79.3	61.6	56.4	53.4	48.8	45.6	Floor	1,820							
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	Int Door	0							
Total	3.7	43.9									ExFlr	1,820							
											Roof	0	0	0					
											Wall	864	143	17					
											Ext Door	0	0	0					
											Total	-25.0							

Room Checksums

By MFIA Inc.

107 ELECT

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES				
Peaked at Time:		Mo/Hr: 0 / 0		Mo/Hr: 0 / 0		Mo/Hr: Heating Design			Cooling			Heating			
Outside Air:		OADB/WB/HR: 0 / 0 / 0		OADB: 0		OADB: 22			SADB			Ra Plenum			
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict		
Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens								
Envelope Loads				Envelope Loads											
Skylite Solar	0	0	0	0	0	0	0	0.00	0.0	70.0	0.0	67.6	0.0	70.0	
Skylite Cond	0	0	0	0	0	0	0	0.00	0.0	70.0	0.0	0.0	0.0	0.0	
Roof Cond	0	0	0	0	0	0	0	0.00	0.0	70.0	0.0	0.0	0.0	0.0	
Glass Solar	0	0	0	0	0	0	0	0.00	0.0	70.0	0.0	0.0	0.0	0.0	
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0.0	70.0	0.0	0.0	0.0	0.0	
Wall Cond	0	0	0	0	0	0	0	0.00	0.0	70.0	0.0	0.0	0.0	0.0	
Partition/Door	0	0	0	0	0	0	0	0.00	0.0	70.0	0.0	0.0	0.0	0.0	
Floor	0	0	0	0	0	-54	-54	57.30	0.0	70.0	0.0	0.0	0.0	0.0	
Adjacent Floor	0	0	0	0	0	0	0	0.00	0.0	70.0	0.0	0.0	0.0	0.0	
Infiltration	0	0	0	0	0	0	0	0.00	0.0	70.0	0.0	0.0	0.0	0.0	
Sub Total ==>	0	0	0	0	0	-54	-54	57.30	0.0	70.0	0.0	0.0	0.0	0.0	
Internal Loads				Internal Loads											
Lights	0	0	0	0	0	0	0	0.00	0.0	70.0	0.0	0.0	0.0	0.0	
People	0	0	0	0	0	0	0	0.00	0.0	70.0	0.0	0.0	0.0	0.0	
Misc	0	0	0	0	0	0	0	0.00	0.0	70.0	0.0	0.0	0.0	0.0	
Sub Total ==>	0	0	0	0	0	0	0	0.00	0.0	70.0	0.0	0.0	0.0	0.0	
Ceiling Load	0	0	0	0	0	-40	0	0.00	0.0	70.0	0.0	0.0	0.0	0.0	
Ventilation Load	0	0	0	0	0	0	0	0.00	0.0	70.0	0.0	0.0	0.0	0.0	
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0.0	70.0	0.0	0.0	0.0	0.0	
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0.0	70.0	0.0	0.0	0.0	0.0	
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0.0	70.0	0.0	0.0	0.0	0.0	
Exhaust Heat	0	0	0	0	0	0	0	0.00	0.0	70.0	0.0	0.0	0.0	0.0	
Sup. Fan Heat	0	0	0	0	0	0	0	0.00	0.0	70.0	0.0	0.0	0.0	0.0	
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0.0	70.0	0.0	0.0	0.0	0.0	
Duct Heat Pkup	0	0	0	0	0	0	-40	42.70	0.0	70.0	0.0	0.0	0.0	0.0	
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0.0	70.0	0.0	0.0	0.0	0.0	
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0.0	70.0	0.0	0.0	0.0	0.0	
Grand Total ==>	0	0	0	100.00	0	100.00	-94	-94	100.00	0.0	70.0	0.0	70.0	0.0	70.0

AIRFLOWS		
	Cooling	Heating
Diffuser	0	0
Terminal	0	0
Main Fan	0	0
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	0	0
MinStop/Rh	0	0
Return	0	0
Exhaust	0	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft²	0.00	0.00
cfm/ton	0.00	0.00
ft²/ton	0.00	0.00
Btu/hr-ft²	0.00	0.00
No. People	0.2	3.3/1000 ft²

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	°F	gr/lb
Main Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	53		
Part	0		
Int Door	0		
ExFlr	53		
Roof	0	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	0.0	0	70.0	70.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	0.0			

Room Checksums

By MFIA Inc.

108 SMALL GROUP

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 8 / 16		Mo/Hr: 9 / 16		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 94 / 65 / 49		OADB: 89		OADB: 22						SADB	55.0	74.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.1	69.9
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.9	69.9
Envelope Loads				Envelope Loads								Ret/OA	79.2	61.3
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	1.1	0.0
Glass Solar	3,305	0	3,305	28	3,754	45	0	0.00	0	0	0.00	AIRFLOWS		
Glass/Door Cond	379	0	379	3	276	3	-972	18.20	-972	-972	18.20	Diffuser	388	388
Wall Cond	340	48	388	3	356	4	-275	5.87	-313	-313	5.87	Terminal	388	388
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	388	388
Floor	-111	0	-111	-1	-109	-1	-244	4.56	-244	-244	4.56	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	70	70
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	70	70
Sub Total ==>	3,913	48	3,961	34	4,278	51	-1,490	28.63	-1,490	-1,529	28.63	Infil	0	0
Internal Loads				Internal Loads								MinStop/Rh	0	0
Lights	669	0	669	6	669	8	0	0.00	0	0	0.00	Return	388	388
People	4,400	0	4,400	38	2,695	32	0	0.00	0	0	0.00	Exhaust	70	70
Misc	743	0	743	6	743	9	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	5,812	0	5,812	50	4,107	49	0	0.00	0	0	0.00	Auxiliary	0	0
Ceiling Load	7	-7	0	0	8	0	-6	0.00	0	0	0.00	Leakage Dwn	0	0
Ventilation Load	0	0	997	9	0	0	0	68.09	-3,635	-3,635	68.09	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	ENGINEERING CKS		
Dehumid. Ov Sizing	0	0	0	0	0	0	-181	3.40	-181	-181	3.40	% OA	17.9	17.9
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	1.60	1.60
Exhaust Heat	0	-69	-69	-1	0	0	0	0.00	0	0	0.00	cfm/ton	345.44	
Sup. Fan Heat	0	0	683	6	0	0	0	0.00	0	0	0.00	ft²/ton	215.28	
Ret. Fan Heat	0	345	345	3	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	55.74	-27.57
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	11.0	45.5/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	9,732	317	11,730	100.00	8,393	100.00	-1,677	100.00	-1,677	-5,338	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	ft² (%)	Capacity	Coil Airflow	Ent °F	Lvg °F		
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F	gr/lb
Main Clg	1.1	13.5	10.5	388	79.2	61.7	56.7	53.4	49.1	46.6	Floor	242	Main Htg	-6.7	388	61.3	74.0		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0		
Total	1.1	13.5									ExFlr	242	Humidif	0.0	0	0.0	0.0		
											Roof	0	0	0					
											Wall	136	36	26	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	Total	-6.7			

Room Checksums

By MFIA Inc.

109 LARGE GROUP

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES					
Peaked at Time:		Mo/Hr: 8 / 16		Mo/Hr: 9 / 16		Mo/Hr: Heating Design			Cooling			Heating				
Outside Air:		OADB/WB/HR: 94 / 65 / 49		OADB: 89		OADB: 22			SADB			Ra Plenum				
	Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return			Ret/OA			
	Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens		Fn MtrTD			Fn BldTD			
							Btu/h	Btu/h		Fn Frict						
Envelope Loads				Envelope Loads							AIRFLOWS					
Skylite Solar	0	0	0	0	0	0	0	0	0.00	Cooling			Heating			
Skylite Cond	0	0	0	0	0	0	0	0	0.00	Diffuser			Terminal			
Roof Cond	0	0	0	0	0	0	0	0	0.00	Main Fan			Sec Fan			
Glass Solar	4,957	0	4,957	21	5,632	35	0	0	0.00	Nom Vent			AHU Vent			
Glass/Door Cond	569	0	569	2	414	3	-1,457	-1,457	12.83	Infil			MinStop/Rh			
Wall Cond	816	102	918	4	855	5	-660	-742	6.53	Return			Exhaust			
Partition/Door	0	0	0	0	0	0	0	0	0.00	Rm Exh			Auxiliary			
Floor	-248	0	-248	-1	-243	-2	-546	-546	4.80	Leakage Dwn			Leakage Ups			
Adjacent Floor	0	0	0	0	0	0	0	0	0.00							
Infiltration	0	0	0	0	0	0	0	0	0.00							
Sub Total ==>	6,094	102	6,196	27	6,657	42	-2,663	-2,745	24.16							
Internal Loads				Internal Loads												
Lights	1,498	0	1,498	6	1,498	9	0	0	0.00							
People	9,855	0	9,855	42	6,036	38	0	0	0.00							
Misc	1,665	0	1,665	7	1,665	10	0	0	0.00							
Sub Total ==>	13,018	0	13,018	56	9,199	58	0	0	0.00							
Ceiling Load	16	-16	0	0	17	0	-13	0	0.00							
Ventilation Load	0	0	2,234	10	0	0	0	-8,144	71.67							
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0							
Dehumid. Ov Sizing			0	0			-496	-496	4.37							
Ov/Undr Sizing	0		0	0	0	0	0	13	-0.11							
Exhaust Heat		-154	-154	-1			0	0	0.00							
Sup. Fan Heat			1,293	6			0	0	0.00							
Ret. Fan Heat		653	653	3			0	0	0.00							
Duct Heat Pkup		0	0	0			0	9	-0.08							
Underflr Sup Ht Pkup		0	0	0			0	0	0.00							
Supply Air Leakage		0	0	0			0	0	0.00							
Grand Total ==>	19,127	585	23,239	100.00	15,873	100.00	-3,172	-11,363	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	2.2	26.7	20.4	734	79.8	61.8	56.4	53.4	48.6	44.8	Floor	542	Main Htg	-14.2	734	59.7	74.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
											ExFlr	542	Humidif	0.0	0	0.0	0.0
Total	2.2	26.7									Roof	0	Opt Vent	0.0	0	0.0	0.0
											Wall	291	Total	-14.2			
											Ext Door	0					

Room Checksums

By MFIA Inc.

111 MENS

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 9 / 16		Mo/Hr: 9 / 16		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 89 / 62 / 41		OADB: 89		OADB: 22						SADB	55.0	76.2
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.1	69.9
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.9	69.9
Envelope Loads				Envelope Loads								Ret/OA	77.5	64.1
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	1.1	0.0
Glass Solar	1,877	0	1,877	60	1,877	70	0	0.00	0	0	0.00	AIRFLOWS		
Glass/Door Cond	138	0	138	4	138	5	-486	29.91	-486	-486	29.91	Diffuser	125	125
Wall Cond	240	31	271	9	240	9	-185	12.87	-185	-209	12.87	Terminal	125	125
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	125	125
Floor	-31	0	-31	-1	-31	-1	-70	4.34	-70	-70	4.34	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	15	15
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	15	15
Sub Total ==>	2,224	31	2,255	72	2,224	83	-741	47.11	-741	-765	47.11	Infil	0	0
Internal Loads				Internal Loads								MinStop/Rh	0	0
Lights	193	0	193	6	193	7	0	0.00	0	0	0.00	Return	125	125
People	105	0	105	3	58	2	0	0.00	0	0	0.00	Exhaust	15	15
Misc	215	0	215	7	215	8	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	513	0	513	16	467	17	0	0.00	0	0	0.00	Auxiliary	0	0
Ceiling Load				Ceiling Load								Leakage Dwn	0	0
Ventilation Load	0	0	48	2	0	0	0	48.30	0	-785	48.30	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	ENGINEERING CKS		
Dehumid. Ov Sizing	0	0	0	0	0	0	-84	5.20	-84	-84	5.20	% OA	12.0	12.0
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	2	-0.10	cfm/ft²	1.78	1.78
Exhaust Heat	0	-15	-15	0	0	0	0	0.00	0	0	0.00	cfm/ton	415.34	
Sup. Fan Heat	0	0	219	7	0	0	0	0.00	0	0	0.00	ft²/ton	233.26	
Ret. Fan Heat	0	111	111	4	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	51.44	-29.01
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	0.2	3.3/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	2,740	124	3,131	100.00	2,693	100.00	-828	100.00	-828	-1,624	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft² (%)	MBh	cfm	°F	°F	
Main Clg	0.3	3.6	3.3	125	77.5	61.1	56.9	53.4	50.7	52.6	Floor	70	Main Htg	-2.0	125	64.1	76.2
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
Total	0.3	3.6									ExFlr	70	Humidif	0.0	0	0.0	0.0
											Roof	0	Opt Vent	0.0	0	0.0	0.0
											Wall	85	21	Total	-2.0		
											Ext Door	0	0				

Room Checksums

By MFIA Inc.

112 WAITING

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES					
Peaked at Time:		Mo/Hr: 8 / 16		Mo/Hr: 9 / 16		Mo/Hr: Heating Design			Cooling			Heating				
Outside Air:		OADB/WB/HR: 94 / 65 / 49		OADB: 89		OADB: 22			SADB			Ra Plenum				
	Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return			Ret/OA			
	Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens		Fn MtrTD			Fn BldTD			
							Btu/h	Btu/h		Fn Frict						
Envelope Loads				Envelope Loads												
	0	0	0	0	0	0	0	0	0.00							
	0	0	0	0	0	0	0	0	0.00							
	0	0	0	0	0	0	0	0	0.00							
	1,652	0	1,652	15	1,877	26	0	0	0.00							
	190	0	190	2	138	2	-486	-486	7.44							
	450	52	501	5	471	7	-363	-405	6.20							
	0	0	0	0	0	0	0	0	0.00							
	-131	0	-131	-1	-128	-2	-287	-287	4.40							
	0	0	0	0	0	0	0	0	0.00							
	0	0	0	0	0	0	0	0	0.00							
	0	0	0	0	0	0	0	0	0.00							
	2,161	52	2,213	20	2,358	33	-1,137	-1,178	18.04							
Internal Loads				Internal Loads												
	789	0	789	7	789	11	0	0	0.00							
	5,188	0	5,188	47	3,178	44	0	0	0.00							
	877	0	877	8	877	12	0	0	0.00							
	6,853	0	6,853	62	4,843	67	0	0	0.00							
	11	-11	0	0	11	0	-9	0	0.00							
	0	0	1,145	10	0	0	0	-4,289	65.64							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	-1,072	-1,072	16.40							
	0	0	0	0	0	0	9	-0.14	0.00							
	-83	-83	-1	-1	0	0	0	0	0.00							
	587	587	5	5	0	0	0	0	0.00							
	297	297	3	3	0	0	0	0	0.00							
	0	0	0	0	0	0	-4	0.05	0.00							
	0	0	0	0	0	0	0	0	0.00							
	0	0	0	0	0	0	0	0	0.00							
	9,025	254	11,011	100.00	7,212	100.00	-2,217	-6,534	100.00							

AIRFLOWS		
	Cooling	Heating
Diffuser	334	334
Terminal	334	334
Main Fan	334	334
Sec Fan	0	0
Nom Vent	82	82
AHU Vent	82	82
Infil	0	0
MinStop/Rh	0	0
Return	334	334
Exhaust	82	82
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	24.6	24.6
cfm/ft²	1.17	1.17
cfm/ton	316.24	
ft²/ton	270.41	
Btu/hr-ft²	44.38	-28.62
No. People	13.0	45.5/1000 ft²

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	1.1	12.7	9.6	334	80.4	62.1	56.6	53.4	48.3	43.7
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	1.1	12.7								

AREAS			
	Gross Total	Glass ft²	(%)
Floor	285		
Part	0		
Int Door	0		
ExFlr	285		
Roof	0	0	0
Wall	147	18	12
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
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	-8.2			

Room Checksums

By MFIA Inc.

113 SMALL GROUP

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 8 / 16		Mo/Hr: 9 / 16		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 94 / 65 / 49		OADB: 89		OADB: 22						SADB	55.0	76.2
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.1	69.9
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.9	69.9
Envelope Loads				Envelope Loads								Ret/OA	79.3	60.9
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	1.1	0.0
Glass Solar	3,305	0	3,305	27	3,754	43	0	0.00	0	0	0.00	AIRFLOWS		
Glass/Door Cond	379	0	379	3	276	3	-972	14.57	-972	-972	14.57	Diffuser	405	405
Wall Cond	374	51	426	3	392	4	-303	5.16	-344	-344	5.16	Terminal	405	405
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	405	405
Floor	-120	0	-120	-1	-118	-1	-264	3.96	-264	-264	3.96	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	75	75
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	75	75
Sub Total ==>	3,938	51	3,989	32	4,305	49	-1,538	23.68	-1,579	-1,579	23.68	Infil	0	0
Internal Loads				Internal Loads								MinStop/Rh	0	0
Lights	724	0	724	6	724	8	0	0.00	0	0	0.00	Return	405	405
People	4,764	0	4,764	39	2,918	33	0	0.00	0	0	0.00	Exhaust	75	75
Misc	805	0	805	7	805	9	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	6,293	0	6,293	51	4,447	51	0	0.00	0	0	0.00	Auxiliary	0	0
Ceiling Load				Ceiling Load								Leakage Dwn	0	0
Ventilation Load	0	-10	0	0	10	0	-8	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	1,051	9	0	0	0	59.06	-3,938	-3,938	59.06	ENGINEERING CKS		
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	18.6	18.6
Ov/Undr Sizing	0	0	0	0	0	0	-1,147	17.21	-1,147	-1,147	17.21	cfm/ft²	1.55	1.55
Exhaust Heat	0	-77	-77	-1	0	0	0	0.00	0	0	0.00	cfm/ton	343.09	
Sup. Fan Heat	0	0	714	6	0	0	0	0.00	0	0	0.00	ft²/ton	221.72	
Ret. Fan Heat	0	360	360	3	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	54.12	-31.81
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	11.9	45.5/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	10,241	325	12,330	100.00	8,762	100.00	-2,694	100.00	-6,668	-6,668	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							
Main Clg	1.2	14.2	11.0	405	79.3	61.8	57.2	53.4	49.2	46.9	Floor	262					
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	Int Door	0					
Total	1.2	14.2									ExFlr	262					
											Roof	0	0	0			
											Wall	146	36	24			
											Ext Door	0	0	0			
											Total	-8.3					

Room Checksums

By MFIA Inc.

114 SMALL GROUP

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES					
Peaked at Time:		Mo/Hr: 8 / 16		Mo/Hr: 9 / 16		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating				
Outside Air:		OADB/WB/HR: 94 / 65 / 49		OADB: 89		OADB: 22		OADB: 22				SADB	55.0	76.2			
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.1	69.9			
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.9	69.9			
Envelope Loads				Envelope Loads								Ret/OA	79.3	60.9			
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0			
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0			
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	1.1	0.0			
Glass Solar	3,305	0	3,305	27	3,755	43	0	0.00	0	0	0.00	AIRFLOWS					
Glass/Door Cond	379	0	379	3	276	3	-972	14.52	-972	14.52	Diffuser				406	406	
Wall Cond	376	51	427	3	393	4	-304	5.16	-345	5.16	Terminal				406	406	
Partition/Door	0	0	0	0	0	0	0	0.00	0	0.00	Main Fan				406	406	
Floor	-120	0	-120	-1	-118	-1	-265	3.96	-265	3.96	Sec Fan				0	0	
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0.00	Nom Vent				76	76	
Infiltration	0	0	0	0	0	0	0	0.00	0	0.00	AHU Vent				76	76	
Sub Total ==>	3,939	51	3,990	32	4,306	49	-1,540	23.64	-1,581	23.64	Infil				0	0	
Internal Loads				Internal Loads											MinStop/Rh	0	0
Lights	727	0	727	6	727	8	0	0.00	0	0.00	Return				406	406	
People	4,782	0	4,782	39	2,929	33	0	0.00	0	0.00	Exhaust	76	76				
Misc	808	0	808	7	808	9	0	0.00	0	0.00	Rm Exh	0	0				
Sub Total ==>	6,317	0	6,317	51	4,464	51	0	0.00	0	0.00	Auxiliary	0	0				
Ceiling Load				Ceiling Load								Leakage Dwn	0	0			
Ventilation Load	0	-10	0	0	10	0	-8	0.00	0	0.00	Leakage Ups	0	0				
Adj Air Trans Heat	0	0	1,055	9	0	0	0	59.11	-3,954	59.11	ENGINEERING CKS						
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0.00				% OA	18.6	18.6	
Ov/Undr Sizing	0	0	0	0	0	0	-1,151	17.20	-1,151	17.20				cfm/ft²	1.54	1.54	
Exhaust Heat	0	-77	-77	-1	0	0	0	0.00	8	-0.12				cfm/ton	342.93		
Sup. Fan Heat	0	0	715	6	0	0	0	0.00	0	0.00				ft²/ton	222.01		
Ret. Fan Heat	0	361	361	3	0	0	0	0.00	0	0.00				Btu/hr-ft²	54.05	-31.79	
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0.00				No. People	12.0	45.5/1000 ft²	
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0.00							
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0.00							
Grand Total ==>	10,266	325	12,362	100.00	8,780	100.00	-2,699	100.00	-6,689	100.00							

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION			
	Total Capacity		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass ft² (%)	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb						
Main Clg	1.2	14.2	11.0	406	79.3	61.8	57.2	53.4	49.2	46.9	Floor	263	-8.4	406	60.9	76.2
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	0.0	0	0.0	0.0
											ExFlr	263	0.0	0	0.0	0.0
Total	1.2	14.2									Roof	0	0.0	0	0.0	0.0
											Wall	146	0.0	0	0.0	0.0
											Ext Door	0	0.0	0	0.0	0.0
											Total	-8.4				

Room Checksums

By MFIA Inc.

115 STORAGE

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 8 / 17		Mo/Hr: 9 / 17		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 92 / 64 / 46		OADB: 87		OADB: 22						SADB	55.0	76.2
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.1	69.9
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.9	69.9
Envelope Loads				Envelope Loads								Ret/OA	78.3	62.7
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	1.1	0.0
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	AIRFLOWS		
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	50	50
Wall Cond	251	25	276	21	269	25	-201	30.72	-221	0	0.00	Terminal	50	50
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	50	50
Floor	-56		-56	-4	-55	-5	-124	17.18	-124	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	7	7
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	7	7
<i>Sub Total ==></i>	194	25	219	16	213	20	-325	47.90	-345	0	0.00	Infil	0	0
Internal Loads				Internal Loads								MinStop/Rh	0	0
Lights	354	0	354	26	354	33	0	0.00	0	0	0.00	Return	50	50
People	184	0	184	14	102	10	0	0.00	0	0	0.00	Exhaust	7	7
Misc	395	0	395	29	395	37	0	0.00	0	0	0.00	Rm Exh	0	0
<i>Sub Total ==></i>	934	0	934	69	852	80	0	0.00	0	0	0.00	Auxiliary	0	0
Ceiling Load				Ceiling Load								Leakage Dwn	0	0
Ventilation Load	0	-5	0	0	5	0	-4	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	68	5	0	0	0	53.71	-387	0	0.00	ENGINEERING CKS		
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	14.9	14.9
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	0.40	0.40
Exhaust Heat		-8	-8	-1			0	0.00	1	-0.11	0.00	cfm/ton	384.32	
Sup. Fan Heat			87	6			0	0.00	0	0.00	0.00	ft²/ton	954.10	
Ret. Fan Heat		44	44	3			0	0.00	0	0.00	0.00	Btu/hr-ft²	12.58	-7.33
Duct Heat Pkup		0	0	0			11	-1.50	0	0.00	0.00	No. People	0.4	3.3/1000 ft²
Underflr Sup Ht Pkup		0	0	0			0	0.00	0	0.00	0.00			
Supply Air Leakage		0	0	0			0	0.00	0	0.00	0.00			
Grand Total ==>	1,133	57	1,345	100.00	1,070	100.00	-329	100.00	-721	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	Ent	Lvg	Capacity	Coil Airflow	Ent	Lvg
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								
Main Clg	0.1	1.6	1.3	50	78.3	61.4	57.0	53.4	50.2	50.6	Floor	123		Main Htg	-0.9	50	62.7	76.2
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
Total	0.1	1.6									ExFlr	123		Humidif	0.0	0	0.0	0.0
											Roof	0	0	Opt Vent	0.0	0	0.0	0.0
											Wall	71	0	Total	-0.9			
											Ext Door	0	0					

Room Checksums

By MFIA Inc.

116 SMALL GROUP

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 8 / 16		Mo/Hr: 9 / 16		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating	
Outside Air:		OADB/WB/HR: 94 / 65 / 49		OADB: 89		OADB: 22		OADB: 22				SADB	55.0	76.2
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.1	69.9
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.9	69.9
Envelope Loads				Envelope Loads				Envelope Loads				Ret/OA	79.4	60.7
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	1.1	0.0
Glass Solar	3,305	0	3,305	26	3,754	41	0	0.00	0	0	0.00	AIRFLOWS		
Glass/Door Cond	379	0	379	3	276	3	-972	13.91	-972	-972	13.91	Diffuser	419	419
Wall Cond	425	56	481	4	445	5	-343	5.56	-389	-389	5.56	Terminal	419	419
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	419	419
Floor	-127	0	-127	-1	-124	-1	-279	3.99	-279	-279	3.99	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	80	80
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	80	80
Sub Total ==>	3,982	56	4,038	31	4,351	48	-1,594	23.46	-1,594	-1,639	23.46	Infil	0	0
Internal Loads				Internal Loads				Internal Loads				MinStop/Rh	0	0
Lights	766	0	766	6	766	8	0	0.00	0	0	0.00	Return	419	419
People	5,036	0	5,036	39	3,085	34	0	0.00	0	0	0.00	Exhaust	80	80
Misc	851	0	851	7	851	9	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	6,653	0	6,653	52	4,701	52	0	0.00	0	0	0.00	Auxiliary	0	0
Ceiling Load	11	-11	0	0	11	0	-9	0.00	0	0	0.00	Leakage Dwn	0	0
Ventilation Load	0	0	1,111	9	0	0	0	59.59	-4,163	-4,163	59.59	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	ENGINEERING CKS		
Dehumid. Ov Sizing	0	0	0	0	0	0	-1,184	16.94	-1,184	-1,184	16.94	% OA	19.0	19.0
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	1.51	1.51
Exhaust Heat	0	-81	-81	-1	0	0	0	0.00	0	0	0.00	cfm/ton	341.01	
Sup. Fan Heat	0	0	738	6	0	0	0	0.00	0	0	0.00	ft²/ton	225.26	
Ret. Fan Heat	0	373	373	3	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	53.27	-31.53
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	12.6	45.5/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	10,645	337	12,831	100.00	9,063	100.00	-2,786	100.00	-2,786	-6,987	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
Main Clg	1.2	14.8	11.4	419	79.4	61.8	57.1	53.4	49.1	46.7	Floor	277			Main Htg	-8.7	419	60.7	76.2
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0			Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0			Preheat	0.0	0	0.0	0.0
Total	1.2	14.8									ExFlr	277			Humidif	0.0	0	0.0	0.0
											Roof	0	0	0	Opt Vent	0.0	0	0.0	0.0
											Wall	160	36	22	Total	-8.7			
											Ext Door	0	0	0					

Room Checksums

By MFIA Inc.

117 LARGE GROUP

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 8 / 16		Mo/Hr: 9 / 16		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 94 / 65 / 49		OADB: 89		OADB: 22						SADB	55.0	76.2
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.1	69.9
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.9	69.9
Envelope Loads				Envelope Loads								Ret/OA	80.1	58.8
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	1.1	0.0
Glass Solar	3,305	0	3,305	18	3,755	30	0	0.00	0	0	0.00	AIRFLOWS		
Glass/Door Cond	379	0	379	2	276	2	-972	8.96	-972	-972	8.96	Diffuser	578	578
Wall Cond	747	88	835	4	782	6	-604	6.23	-604	-675	6.23	Terminal	578	578
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	578	578
Floor	-212	0	-212	-1	-208	-2	-466	4.30	-466	-466	4.30	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	133	133
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	133	133
Sub Total ==>	4,219	88	4,307	23	4,605	37	-2,042	19.49	-2,042	-2,113	19.49	Infil	0	0
Internal Loads				Internal Loads								MinStop/Rh	0	0
Lights	1,280	0	1,280	7	1,280	10	0	0.00	0	0	0.00	Return	578	578
People	8,418	0	8,418	45	5,156	41	0	0.00	0	0	0.00	Exhaust	133	133
Misc	1,422	0	1,422	8	1,422	11	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	11,120	0	11,120	60	7,858	63	0	0.00	0	0	0.00	Auxiliary	0	0
Ceiling Load				Ceiling Load								Leakage Dwn	0	0
Ventilation Load	0	-18	0	0	18	0	-15	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	1,856	10	0	0	0	64.16	0	-6,956	64.16	ENGINEERING CKS		
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	23.0	23.0
Ov/Undr Sizing	0	0	0	0	0	0	-1,781	16.43	-1,781	-1,781	16.43	cfm/ft²	1.25	1.25
Exhaust Heat	0	-135	-135	-1	0	0	0	-0.13	0	14	-0.13	cfm/ton	322.63	
Sup. Fan Heat	0	0	1,016	5	0	0	0	0.00	0	0	0.00	ft²/ton	258.66	
Ret. Fan Heat	0	513	513	3	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	46.39	-29.27
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	21.0	45.5/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	15,357	449	18,678	100.00	12,482	100.00	-3,837	100.00	-3,837	-10,842	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	1.8	21.5	16.3	578	80.1	62.0	56.7	53.4	48.5	44.5	Floor	463		Main Htg	-13.6	578	58.8	76.2
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
Total	1.8	21.5									ExFlr	463		Humidif	0.0	0	0.0	0.0
											Roof	0	0	Opt Vent	0.0	0	0.0	0.0
											Wall	252	36	Total	-13.6			
											Ext Door	0	0					

Room Checksums

By MFIA Inc.

118 BREAK

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 9 / 16		Mo/Hr: 9 / 16		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating	
Outside Air:		OADB/WB/HR: 89 / 62 / 41		OADB: 89		OADB: 22		OADB: 22				SADB	55.0	76.2
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.1	69.9
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.9	69.9
Envelope Loads				Envelope Loads								Ret/OA	77.2	65.3
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	1.1	0.0
Glass Solar	3,754	0	3,754	55	3,754	65	0	0.00	0	0	0.00	AIRFLOWS		
Glass/Door Cond	276	0	276	4	276	5	-972	30.99	-972	-972	30.99	Diffuser	266	266
Wall Cond	463	57	519	8	463	8	-495	17.72	-556	-556	17.72	Terminal	266	266
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	266	266
Floor	-79	0	-79	-1	-79	-1	-177	5.66	-177	-177	5.66	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	26	26
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	26	26
Sub Total ==>	4,414	57	4,471	66	4,414	77	-1,644	54.37	-1,644	-1,705	54.37	Infil	0	0
Internal Loads				Internal Loads								MinStop/Rh	0	0
Lights	487	0	487	7	487	8	0	0.00	0	0	0.00	Return	266	266
People	554	0	554	8	308	5	0	0.00	0	0	0.00	Exhaust	26	26
Misc	541	0	541	8	541	9	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	1,582	0	1,582	23	1,336	23	0	0.00	0	0	0.00	Auxiliary	0	0
Ceiling Load				Ceiling Load								Leakage Dwn	0	0
Ventilation Load	0	0	81	1	0	0	0	42.71	0	-1,339	42.71	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	ENGINEERING CKS		
Dehumid. Ov Sizing	0	0	0	0	0	0	-120	3.84	-120	-120	3.84	% OA	9.6	9.6
Ov/Undr Sizing	0	0	0	0	0	0	0	-0.09	3	-0.09	0.00	cfm/ft²	1.51	1.51
Exhaust Heat	0	-26	-26	0	0	0	0	0.00	0	0	0.00	cfm/ton	407.93	
Sup. Fan Heat	0	469	469	7	0	0	0	0.00	0	0	0.00	ft²/ton	269.74	
Ret. Fan Heat	0	237	237	3	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	44.49	-22.25
Duct Heat Pkup	0	0	0	0	0	0	0	-0.83	26	-0.83	0.00	No. People	1.2	7.0/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	6,003	261	6,814	100.00	5,757	100.00	-1,770	100.00	-1,770	-3,135	100.00			

COOLING COIL SELECTION											AREAS				HEATING COIL SELECTION				
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.7	7.8	6.9	266	77.2	61.1	57.3	53.4	50.5	51.8	Floor	176		Main Htg	-3.9	266	65.3	76.2	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
Total	0.7	7.8									ExFlr	176		Humidif	0.0	0	0.0	0.0	
											Roof	0	0	0	Opt Vent	0.0	0	0.0	0.0
											Wall	213	36	17	Total	-3.9			
											Ext Door	0	0	0					

Room Checksums

By MFIA Inc.

118A STAFF RR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 8 / 17		Mo/Hr: 9 / 17		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 92 / 64 / 46		OADB: 87		OADB: 22						SADB	55.0	76.2
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.1	69.9
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.9	69.9
Envelope Loads				Envelope Loads								Ret/OA	78.3	62.7
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	1.1	0.0
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	AIRFLOWS		
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	18	18
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	18	18
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	18	18
Floor	-27	0	-27	-6	-27	-7	-60	22.96	-60	-60	22.96	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	3	3
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	3	3
Sub Total ==>	-27	0	-27	-6	-27	-7	-60	22.96	-60	-60	22.96	Infil	0	0
Internal Loads				Internal Loads								MinStop/Rh	0	0
Lights	173	0	173	35	173	44	0	0.00	0	0	0.00	Return	18	18
People	90	0	90	18	50	13	0	0.00	0	0	0.00	Exhaust	3	3
Misc	193	0	193	39	193	49	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	456	0	456	91	416	106	0	0.00	0	0	0.00	Auxiliary	0	0
Ceiling Load				Ceiling Load								Leakage Dwn	0	0
Ventilation Load	0	-2	0	0	2	1	-2	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	25	5	0	0	0	53.66	0	-141	53.66	ENGINEERING CKS		
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	14.9	14.9
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	0.30	0.30
Exhaust Heat	0	-3	0	-1	0	0	0	0.00	0	0	0.00	cfm/ton	379.19	
Sup. Fan Heat	0	0	32	6	0	0	0	0.00	0	0	0.00	ft²/ton	1,256.77	
Ret. Fan Heat	0	0	16	3	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	9.55	-5.48
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	0.2	3.3/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	431	11	498	100.00	391	100.00	-120	100.00	-120	-263	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	ft² (%)	Capacity	Coil Airflow	Ent °F	Lvq °F
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F							
Main Clg	0.1	0.6	0.5	18	78.3	61.4	57.0	53.4	50.0	50.0	Floor	60	Main Htg	-0.3	18	62.7	76.2
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
											ExFlr	60					
Total	0.1	0.6									Roof	0	Humidif	0.0	0	0.0	0.0
											Wall	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	Total	-0.3			

Room Checksums

By MFIA Inc.

119 TEAMWORK

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 9		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating	
Outside Air:		OADB/WB/HR: 95 / 66 / 54		OADB: 71		OADB: 22		OADB: 22				SADB	55.0	81.5
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.1	69.9
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.9	69.9
Envelope Loads				Envelope Loads								Ret/OA	78.7	62.8
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00				Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00				Fn BldTD	0.4	0.0
Roof Cond	0	0	0	0	0	Roof Cond	0	0.00				Fn Frict	1.1	0.0
Glass Solar	594	0	594	10	49	Glass Solar	0	0.00				AIRFLOWS		
Glass/Door Cond	376	0	376	7	-88	Glass/Door Cond	-974	20.10				Diffuser	240	240
Wall Cond	350	41	391	7	325	Wall Cond	-645	14.86				Terminal	240	240
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00				Main Fan	240	240
Floor	-198	0	-198	-3	-198	Floor	-352	7.25				Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00				Nom Vent	35	35
Infiltration	0	0	0	0	0	Infiltration	0	0.00				AHU Vent	35	35
Sub Total ==>	1,122	41	1,163	20	2,553	49	-1,971	42.21				Infil	0	0
Internal Loads				Internal Loads								MinStop/Rh	0	0
Lights	992	0	992	17	992	19	Lights	0	0.00			Return	240	240
People	1,116	0	1,116	19	510	10	People	0	0.00			Exhaust	35	35
Misc	1,115	0	1,115	19	1,115	22	Misc	0	0.00			Rm Exh	0	0
Sub Total ==>	3,224	0	3,224	56	2,617	51	Sub Total ==>	0	0.00			Auxiliary	0	0
Ceiling Load	8	-8	0	0	10	0	Ceiling Load	-13	0	0.00		Leakage Dwn	0	0
Ventilation Load	0	0	768	13	0	0	Ventilation Load	0	-1,836	37.88		Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	Adj Air Trans Heat	0	0	0		ENGINEERING CKS		
Dehumid. Ov Sizing	0	0	0	0	0	0	Ov/Undr Sizing	-1,003	-1,003	20.70		% OA	14.6	14.6
Ov/Undr Sizing	0	0	0	0	0	0	Exhaust Heat	4	-0.09			cfm/ft²	0.65	0.65
Exhaust Heat	0	-34	-34	-1	0	0	OA Preheat Diff.	0	0.00			cfm/ton	434.53	
Sup. Fan Heat	0	422	422	7	0	0	RA Preheat Diff.	0	0.00			ft²/ton	669.29	
Ret. Fan Heat	0	213	213	4	0	0	Additional Reheat	0	0.00			Btu/hr-ft²	17.93	-16.41
Duct Heat Pkup	0	0	0	0	0	0	System Plenum Heat	34	-0.71			No. People	2.6	7.0/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00					
Supply Air Leakage	0	0	0	0	0	0	Supply Air Leakage	0	0.00					
Grand Total ==>	4,354	212	5,755	100.00	5,180	100.00	Grand Total ==>	-2,987	-4,847	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	0.6	6.6	5.2	240	78.7	60.8	53.7	53.4	50.8	53.1	Floor	369		Main Htg	-6.1	240	62.8	81.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
Total	0.6	6.6									ExFlr	349		Humidif	0.0	0	0.0	0.0
											Roof	0	0	Opt Vent	0.0	0	0.0	0.0
											Wall	266	36	Total	-6.1			
											Ext Door	0	0					

Room Checksums

By MFIA Inc.

120 CONSULT

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES							
Peaked at Time:		Mo/Hr: 7 / 9		Mo/Hr: 7 / 9		Mo/Hr: Heating Design			Cooling			Heating						
Outside Air:		OADB/WB/HR: 71 / 51 / 25		OADB: 71		OADB: 22			SADB			Ra Plenum						
	Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return			Ret/OA					
	Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens		Fn MtrTD			Fn BldTD					
							Btu/h	Btu/h		Fn Frict								
Envelope Loads				Envelope Loads							AIRFLOWS							
Skylite Solar	0	0	0	0	0	0	0	0	0.00	Cooling			Heating					
Skylite Cond	0	0	0	0	0	0	0	0	0.00	Diffuser			Terminal					
Roof Cond	0	0	0	0	0	0	0	0	0.00	Main Fan			Sec Fan					
Glass Solar	2,511	0	2,511	66	2,511	72	0	0	0.00	Nom Vent			AHU Vent					
Glass/Door Cond	-88	0	-88	-2	-88	-3	-973	-973	36.56	Infil			MinStop/Rh					
Wall Cond	213	30	243	6	213	6	-277	-315	11.85	Return			Exhaust					
Partition/Door	0	0	0	0	0	0	0	0	0.00	Rm Exh			Auxiliary					
Floor	-73	0	-73	-2	-73	-2	-130	-130	4.87	Leakage Dwn			Leakage Ups					
Adjacent Floor	0	0	0	0	0	0	0	0	0.00									
Infiltration	0	0	0	0	0	0	0	0	0.00									
<i>Sub Total ==></i>	2,562	30	2,592	68	2,562	74	-1,379	-1,418	53.28									
Internal Loads				Internal Loads							ENGINEERING CKS							
Lights	346	0	346	9	346	10	0	0	0.00	% OA			Cooling			Heating		
People	358	0	358	9	178	5	0	0	0.00	cfm/ft²			cfm/ton			ft²/ton		
Misc	389	0	389	10	389	11	0	0	0.00	Btu/hr-ft²			No. People					
<i>Sub Total ==></i>	1,092	0	1,092	29	912	26	0	0	0.00									
Ceiling Load	3	-3	0	0	3	0	-4	0	0.00									
Ventilation Load	0	0	-281	-7	0	0	0	-638	23.98									
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0									
Dehumid. Ov Sizing			0	0			Ov/Undr Sizing	-622	23.36									
Ov/Undr Sizing	0		0	0	0	0	Exhaust Heat	1	-0.05									
Exhaust Heat		-12	-12	0			OA Preheat Diff.	0	0.00									
Sup. Fan Heat			283	7			RA Preheat Diff.	0	0.00									
Ret. Fan Heat		143	143	4			Additional Reheat	0	0.00									
Duct Heat Pkup		0	0	0			System Plenum Heat	15	-0.57									
Underflr Sup Ht Pkup			0	0			Underflr Sup Ht Pkup	0	0.00									
Supply Air Leakage		0	0	0			Supply Air Leakage	0	0.00									
Grand Total ==>	3,657	158	3,818	100.00	3,478	100.00	Grand Total ==>	-2,005	-2,661	100.00								

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg			
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F			
Main Clg	0.4	4.4	3.9	161	75.6	59.2	51.4	53.4	49.0	46.4	Floor	129	Main Htg	-3.3	161	66.2	81.5		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0		
Total	0.4	4.4									ExFlr	129	Humidif	0.0	0	0.0	0.0		
											Roof	0	0	0					
											Wall	137	36	26	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	Total	-3.3			

Room Checksums

By MFIA Inc.

121 CONSULT

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 16			Mo/Hr: 9 / 17		Mo/Hr: Heating Design						Cooling	Heating			
Outside Air:		OADB/WB/HR: 94 / 66 / 53			OADB: 87		OADB: 22						SADB	55.0	81.5		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.1	69.9			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	75.9	69.9			
Envelope Loads					Envelope Loads										Ret/OA	80.8	56.6
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0			
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0			
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	1.1	0.0			
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	AIRFLOWS					
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	Cooling	Heating			
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	44	44			
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	44	44			
Floor	-73	-73	-5	-58	-6	-130	-130	10.86	-130	-130	10.86	Sec Fan	0	0			
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	12	12			
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	12	12			
<i>Sub Total ==></i>	-73	0	-73	-5	-58	-6	-130	10.86	-130	-130	10.86	Infil	0	0			
Internal Loads					Internal Loads										MinStop/Rh	0	0
Lights	356	0	356	25	371	39	0	0.00	0	0	0.00	Return	44	44			
People	405	0	405	28	225	24	0	0.00	0	0	0.00	Exhaust	12	12			
Misc	395	0	395	28	414	43	0	0.00	0	0	0.00	Rm Exh	0	0			
<i>Sub Total ==></i>	1,156	0	1,156	81	1,009	106	0	0.00	0	0	0.00	Auxiliary	0	0			
Ceiling Load					Ceiling Load										Leakage Dwn	0	0
Ventilation Load	0	-3	0	0	3	0	-4	0.00	0	0	0.00	Leakage Ups	0	0			
Adj Air Trans Heat	0	0	240	17	0	0	0	53.51	0	-638	53.51	ENGINEERING CKS					
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	Cooling	Heating			
Ov/Undr Sizing	0	0	0	0	0	0	-417	34.94	-417	-417	34.94	cfm/ft²	27.6	27.6			
Exhaust Heat	-12	-12	-1	-1	0	0	0	0.00	0	1	-0.12	cfm/ton	0.34	0.34			
Sup. Fan Heat	78	78	5	5	0	0	0	0.00	0	0	0.00	ft²/ton	322.85				
Ret. Fan Heat	39	39	3	3	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	12.77	-11.59			
Duct Heat Pkup	0	0	0	0	0	0	-10	0.82	-10	-10	0.82	No. People	0.9	7.0/1000 ft²			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00						
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00						
<i>Grand Total ==></i>	1,086	25	1,428	100.00	955	100.00	-551	100.00	-551	-1,193	100.00						

COOLING COIL SELECTION											AREAS				HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity Coil Airflow Ent Lvg							
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.1	1.6	1.3	44	80.8	61.5	53.3	53.4	47.9	42.2	Floor	129		Main Htg	-1.5	44	56.6	81.5	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
<i>Total</i>	0.1	1.6									ExFlr	129		Humidif	0.0	0	0.0	0.0	
											Roof	0	0	Opt Vent	0.0	0	0.0	0.0	
											Wall	0	0	<i>Total</i>	-1.5				
											Ext Door	0	0						

Room Checksums

By MFIA Inc.

122 PRINT

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 11		Mo/Hr: 7 / 11		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Cooling	Heating	
Outside Air:		OADB/WB/HR: 82 / 58 / 36		OADB: 82		OADB: 82		OADB: 22		OADB: 22		SADB	55.0	81.5
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.1	69.9
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.9	69.9
Envelope Loads				Envelope Loads				Envelope Loads				Ret/OA	76.9	61.9
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	1.1	0.0
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	AIRFLOWS		
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	14	14
Wall Cond	126	13	139	37	126	42	-148	55.31	-148	-163	55.31	Terminal	14	14
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	14	14
Floor	-14	0	-14	-4	-14	-5	-24	8.18	-24	-24	8.18	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	2	2
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	2	2
Sub Total ==>	112	13	125	34	112	37	-173	63.49	-173	-187	63.49	Infil	0	0
Internal Loads				Internal Loads				Internal Loads				MinStop/Rh	0	0
Lights	69	0	69	19	69	23	0	0.00	0	0	0.00	Return	14	14
People	75	0	75	20	42	14	0	0.00	0	0	0.00	Exhaust	2	2
Misc	77	0	77	21	77	26	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	221	0	221	60	187	62	0	0.00	0	0	0.00	Auxiliary	0	0
Ceiling Load				Ceiling Load				Ceiling Load				Leakage Dwn	0	0
Ventilation Load	0	-1	0	0	1	0	-1	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	-10	-3	0	0	0	40.78	0	-120	40.78	ENGINEERING CKS		
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	16.5	16.5
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	0.58	0.58
Exhaust Heat	0	-2	0	-1	0	0	0	-0.09	0	0	-0.09	cfm/ton	391.59	
Sup. Fan Heat	0	0	24	7	0	0	0	0.00	0	0	0.00	ft²/ton	674.62	
Ret. Fan Heat	0	0	12	3	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	17.79	-15.39
Duct Heat Pkup	0	0	0	0	0	0	0	-4.18	12	-4.18		No. People	0.2	7.0/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	334	22	371	100.00	301	100.00	-173	100.00	-173	-295	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	Ent	Lvg	Capacity	Coil Airflow	Ent	Lvg
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								
Main Clg	0.0	0.4	0.4	14	76.9	59.5	50.7	53.4	48.0	42.9	Floor	24		Main Htg	-0.4	14	61.9	81.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
Total	0.0	0.4									ExFlr	24		Humidif	0.0	0	0.0	0.0
											Roof	0	0	Opt Vent	0.0	0	0.0	0.0
											Wall	52	0	Total	-0.4			
											Ext Door	0	0					

Room Checksums

By MFIA Inc.

123 MEDIUM GROUP

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES					
Peaked at Time:		Mo/Hr: 7 / 16		Mo/Hr: 7 / 10		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating				
Outside Air:		OADB/WB/HR: 94 / 66 / 53		OADB: 76		OADB: 22		OADB: 22				SADB	55.0	81.5			
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.1	69.9			
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.9	69.9			
Envelope Loads				Envelope Loads								Ret/OA	80.7	56.8			
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0			
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0			
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	1.1	0.0			
Glass Solar	538	0	538	4	1,897	23	0	0.00	0	0	0.00	AIRFLOWS					
Glass/Door Cond	369	0	369	3	-2	0	-972	9.73	-972	-972	9.73				Diffuser	374	374
Wall Cond	248	31	279	2	406	5	-439	4.95	-494	-494	4.95				Terminal	374	374
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00				Main Fan	374	374
Floor	-200	0	-200	-2	-200	-2	-354	3.55	-354	-354	3.55				Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00				Nom Vent	101	101
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00				AHU Vent	101	101
<i>Sub Total ==></i>	955	31	986	8	2,102	26	-1,765	18.23	-1,820	-1,820	18.23				Infil	0	0
Internal Loads				Internal Loads											MinStop/Rh	0	0
Lights	973	0	973	8	973	12	0	0.00	0	0	0.00				Return	374	374
People	6,400	0	6,400	52	3,920	48	0	0.00	0	0	0.00	Exhaust	101	101			
Misc	1,081	0	1,081	9	1,081	13	0	0.00	0	0	0.00	Rm Exh	0	0			
<i>Sub Total ==></i>	8,454	0	8,454	69	5,974	74	0	0.00	0	0	0.00	Auxiliary	0	0			
Ceiling Load	8	-8	0	0	9	0	-12	0.00	0	0	0.00	Leakage Dwn	0	0			
Ventilation Load	0	0	1,992	16	0	0	0	52.97	-5,288	-5,288	52.97	Leakage Ups	0	0			
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	ENGINEERING CKS					
Dehumid. Ov Sizing	0	0	0	0	0	0	-2,884	28.90	-2,884	-2,884	28.90				% OA	27.0	27.0
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00				cfm/ft²	1.06	1.06
Exhaust Heat	0	-98	-98	-1	0	0	0	0.00	0	0	0.00				cfm/ton	316.71	
Sup. Fan Heat	0	0	658	5	0	0	0	0.00	0	0	0.00				ft²/ton	298.00	
Ret. Fan Heat	0	333	333	3	0	0	0	0.00	0	0	0.00				Btu/hr-ft²	40.27	-35.45
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00				No. People	16.0	45.5/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00						
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00						
<i>Grand Total ==></i>	9,418	258	12,326	100.00	8,085	100.00	-4,662	100.00	-9,982	-9,982	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	ft² (%)	Capacity	Coil Airflow	Ent °F	Lvg °F	
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F
Main Clg	1.2	14.2	9.9	374	80.7	61.5	53.3	53.4	47.5	41.0	Floor	352	Main Htg	-12.5	374	56.8	81.5	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0	
Total	1.2	14.2									ExFlr	352	Humidif	0.0	0	0.0	0.0	
											Roof	0	Opt Vent	0.0	0	0.0	0.0	
											Wall	194	Total	-12.5				
											Ext Door	0						

Room Checksums

By MFIA Inc.

124 LARGE GROUP

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 16		Mo/Hr: 7 / 10		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating	
Outside Air:		OADB/WB/HR: 94 / 66 / 53		OADB: 76		OADB: 22		OADB: 22				SADB	55.0	81.5
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.1	69.9
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.9	69.9
Envelope Loads				Envelope Loads								Ret/OA	81.0	56.1
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	1.1	0.0
Glass Solar	538	0	538	3	1,897	19	0	0.00	0	0	0.00	AIRFLOWS		
Glass/Door Cond	369	0	369	2	-2	0	-972	7.71	-972	-972	7.71	Diffuser	459	459
Wall Cond	334	40	374	2	546	6	-591	5.25	-661	-661	5.25	Terminal	459	459
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	459	459
Floor	-259	0	-259	-2	-259	-3	-458	3.64	-458	-458	3.64	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	131	131
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	131	131
Sub Total ==>	983	40	1,022	7	2,183	22	-2,020	16.60	-2,020	-2,090	16.60	Infil	0	0
Internal Loads				Internal Loads								MinStop/Rh	0	0
Lights	1,258	0	1,258	8	1,258	13	0	0.00	0	0	0.00	Return	459	459
People	8,273	0	8,273	53	5,067	51	0	0.00	0	0	0.00	Exhaust	131	131
Misc	1,398	0	1,398	9	1,398	14	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	10,928	0	10,928	70	7,723	78	0	0.00	0	0	0.00	Auxiliary	0	0
Ceiling Load	10	-10	0	0	12	0	-16	0.00	-16	0	0.00	Leakage Dwn	0	0
Ventilation Load	0	0	2,575	16	0	0	0	54.28	0	-6,836	54.28	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	ENGINEERING CKS		
Dehumid. Ov Sizing	0	0	0	0	0	0	-3,682	29.24	-3,682	-3,682	29.24	% OA	28.5	28.5
Ov/Undr Sizing	0	0	0	0	0	0	0	-0.12	0	0	-0.12	cfm/ft²	1.01	1.01
Exhaust Heat	-126	-126	-126	-1	0	0	0	0.00	0	0	0.00	cfm/ton	306.67	
Sup. Fan Heat	0	0	808	5	0	0	0	0.00	0	0	0.00	ft²/ton	304.07	
Ret. Fan Heat	0	0	408	3	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	39.46	-34.60
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	20.7	45.5/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	11,921	311	15,614	100.00	9,918	100.00	-5,718	100.00	-5,718	-12,593	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	18.0	12.5	459	81.0	61.6	53.3	53.4	47.1	39.6	Floor	455		Main Htg	-15.7	459	56.1	81.5	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
Total	1.5	18.0									ExFlr	455		Humidif	0.0	0	0.0	0.0	
											Roof	0	0	Opt Vent	0.0	0	0.0	0.0	
											Wall	247	36	Total	-15.7				
											Ext Door	0	0						

Room Checksums

By MFIA Inc.

125 RECEPTION

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 16		Mo/Hr: 8 / 11		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 94 / 66 / 53		OADB: 82		OADB: 22						SADB	55.0	81.5
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.1	69.9
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.9	69.9
Envelope Loads				Envelope Loads								Ret/OA	80.0	58.9
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	1.1	0.0
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	AIRFLOWS		
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	173	173
Wall Cond	134	13	147	3	158	4	-236	6.15	-236	-260	6.15	Terminal	173	173
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	173	173
Floor	-274		-274	-5	-221	-6	-486	11.50	-486	-486	11.50	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	39	39
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	39	39
Sub Total ==>	-141	13	-127	-2	-63	-2	-722	17.65	-722	-746	17.65	Infil	0	0
Internal Loads				Internal Loads								MinStop/Rh	0	0
Lights	1,334	0	1,334	25	1,390	37	0	0.00	0	0	0.00	Return	173	173
People	1,519	0	1,519	28	844	23	0	0.00	0	0	0.00	Exhaust	39	39
Misc	1,482	0	1,482	27	1,552	42	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	4,335	0	4,335	80	3,786	101	0	0.00	0	0	0.00	Auxiliary	0	0
Ceiling Load				Ceiling Load								Leakage Dwn	0	0
Ventilation Load	0	0	774	14	0	0	0	48.65	0	-2,056	48.65	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	ENGINEERING CKS		
Dehumid. Ov Sizing	0	0	0	0	0	0	-1,415	33.49	-1,415	-1,415	33.49	% OA	22.7	22.7
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	0.36	0.36
Exhaust Heat		-38	-38	-1			0	0.00	0	0	0.00	cfm/ton	333.88	
Sup. Fan Heat			304	6			0	0.00	0	0	0.00	ft²/ton	932.20	
Ret. Fan Heat		154	154	3			0	0.00	0	0	0.00	Btu/hr-ft²	12.87	-10.94
Duct Heat Pkup		0	0	0			-14	0.32	-14	-14	0.32	No. People	3.4	7.0/1000 ft²
Underflr Sup Ht Pkup		0	0	0			0	0.00	0	0	0.00			
Supply Air Leakage		0	0	0			0	0.00	0	0	0.00			
Grand Total ==>	4,206	118	5,402	100.00	3,736	100.00	-2,154	100.00	-2,154	-4,225	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	Ent	Lvg				
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F					°F	gr/lb	ft²	(%)
Main Clg	0.5	6.2	4.8	173	80.0	61.2	53.3	53.4	48.0	42.7	Floor	483		Main Htg	-5.3	173	58.9	81.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
Total	0.5	6.2									ExFlr	483		Humidif	0.0	0	0.0	0.0
											Roof	0	0	Opt Vent	0.0	0	0.0	0.0
											Wall	83	0	Total	-5.3			
											Ext Door	0	0					

Room Checksums

By MFIA Inc.

125A WOMENS

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES					
Peaked at Time:		Mo/Hr: 7 / 9		Mo/Hr: 6 / 9		Mo/Hr: Heating Design			Cooling			Heating				
Outside Air:		OADB/WB/HR: 71 / 51 / 25		OADB: 68		OADB: 22			SADB			Ra Plenum				
	Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return			Ret/OA			
	Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens		Fn MtrTD			Fn BldTD			
							Btu/h	Btu/h		Fn Frict						
Envelope Loads				Envelope Loads							AIRFLOWS					
Skylite Solar	0	0	0	0	0	0	0	0	0.00	Cooling			Heating			
Skylite Cond	0	0	0	0	0	0	0	0	0.00	Diffuser			Terminal			
Roof Cond	0	0	0	0	0	0	0	0	0.00	Main Fan			Main Fan			
Glass Solar	2,507	0	2,507	86	2,603	89	0	0	0.00	Sec Fan			Sec Fan			
Glass/Door Cond	-88	0	-88	-3	-155	-5	-972	-972	38.11	Nom Vent			Nom Vent			
Wall Cond	83	17	99	3	76	3	-107	-129	5.06	AHU Vent			AHU Vent			
Partition/Door	0	0	0	0	0	0	0	0	0.00	Infil			Infil			
Floor	-39	0	-39	-1	-51	-2	-69	-69	2.70	MinStop/Rh			MinStop/Rh			
Adjacent Floor	0	0	0	0	0	0	0	0	0.00	Return			Return			
Infiltration	0	0	0	0	0	0	0	0	0.00	Exhaust			Exhaust			
<i>Sub Total ==></i>	2,463	17	2,479	85	2,473	85	-1,148	-1,170	45.87	Rm Exh			Rm Exh			
Internal Loads				Internal Loads							ENGINEERING CKS					
Lights	184	0	184	6	184	6	0	0	0.00	% OA			% OA			
People	91	0	91	3	45	2	0	0	0.00	cfm/ft²			cfm/ft²			
Misc	207	0	207	7	207	7	0	0	0.00	cfm/ton			cfm/ton			
<i>Sub Total ==></i>	481	0	481	16	435	15	0	0	0.00	ft²/ton			ft²/ton			
Ceiling Load	2	-2	0	0	2	0	-2	0	0.00	Btu/hr-ft²			Btu/hr-ft²			
Ventilation Load	0	0	-377	-13	0	0	0	-858	33.65	No. People			No. People			
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0							
Dehumid. Ov Sizing			0	0			0	0	0.00							
Ov/Undr Sizing	0		0	0	0	0	-528	-528	20.70							
Exhaust Heat		-16	-16	-1			0	2	-0.08							
Sup. Fan Heat			237	8			0	0	0.00							
Ret. Fan Heat		120	120	4			0	0	0.00							
Duct Heat Pkup		0	0	0			0	3	-0.14							
Underflr Sup Ht Pkup			0	0			0	0	0.00							
Supply Air Leakage		0	0	0			0	0	0.00							
Grand Total ==>	2,945	119	2,924	100.00	2,910	100.00	-1,678	-2,549	100.00							

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg			
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F			
Main Clg	0.3	3.4	3.2	135	75.4	58.8	50.1	53.4	49.5	48.2	Floor	68	Main Htg	-3.2	135	64.0	81.5		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0		
Total	0.3	3.4									ExFlr	68	Humidif	0.0	0	0.0	0.0		
											Roof	0	0	0					
											Wall	77	36	46	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	Total	-3.2			

Room Checksums

By MFIA Inc.

125B MENS

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES					
Peaked at Time:		Mo/Hr: 7 / 9		Mo/Hr: 7 / 9		Mo/Hr: Heating Design			Cooling			Heating				
Outside Air:		OADB/WB/HR: 71 / 51 / 25		OADB: 71		OADB: 22			SADB			Ra Plenum				
	Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return			Ret/OA			
	Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens		Fn MtrTD			Fn BldTD			
							Btu/h	Btu/h		Fn Frict						
Envelope Loads				Envelope Loads							AIRFLOWS					
Skylite Solar	0	0	0	0	0	0	0	0	0.00	Cooling			Heating			
Skylite Cond	0	0	0	0	0	0	0	0	0.00	Diffuser			Terminal			
Roof Cond	0	0	0	0	0	0	0	0	0.00	Main Fan			Sec Fan			
Glass Solar	1,253	0	1,253	77	1,253	79	0	0	0.00	Nom Vent			AHU Vent			
Glass/Door Cond	-44	0	-44	-3	-44	-3	-486	-486	35.46	Infil			MinStop/Rh			
Wall Cond	84	13	97	6	84	5	-109	-126	9.19	Return			Exhaust			
Partition/Door	0	0	0	0	0	0	0	0	0.00	Rm Exh			Auxiliary			
Floor	-29	0	-29	-2	-29	-2	-51	-51	3.76	Leakage Dwn			Leakage Ups			
Adjacent Floor	0	0	0	0	0	0	0	0	0.00							
Infiltration	0	0	0	0	0	0	0	0	0.00							
<i>Sub Total ==></i>	1,265	13	1,277	78	1,265	79	-647	-663	48.41							
Internal Loads				Internal Loads							ENGINEERING CKS					
Lights	137	0	137	8	137	9	0	0	0.00	% OA			11.5			
People	68	0	68	4	34	2	0	0	0.00	cfm/ft²			1.44			
Misc	154	0	154	9	154	10	0	0	0.00	cfm/ton			471.92			
<i>Sub Total ==></i>	360	0	360	22	326	20	0	0	0.00	ft²/ton			327.69			
Ceiling Load	1	-1	0	0	1	0	-2	0	0.00	Btu/hr-ft²			36.62			
Ventilation Load	0	0	-196	-12	0	0	0	-445	32.45	No. People			0.2			
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0							
Dehumid. Ov Sizing			0	0			0	0	0.00							
Ov/Undr Sizing	0	0	0	0	0	0	-269	-269	19.65							
Exhaust Heat		-8	-8	-1			0	1	-0.07							
Sup. Fan Heat			130	8			0	0	0.00							
Ret. Fan Heat		65	65	4			0	0	0.00							
Duct Heat Pkup		0	0	0			0	6	-0.44							
Underflr Sup Ht Pkup			0	0			0	0	0.00							
Supply Air Leakage		0	0	0			0	0	0.00							
Grand Total ==>	1,625	69	1,628	100.00	1,592	100.00	-918	-1,370	100.00							

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg			
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F			
Main Clg	0.2	1.9	1.8	74	75.4	58.9	50.3	53.4	49.4	47.7	Floor	51	Main Htg	-1.7	74	64.3	81.5		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0		
Total	0.2	1.9									ExFlr	51	Humidif	0.0	0	0.0	0.0		
											Roof	0	0	0					
											Wall	58	18	31	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	Total	-1.7			

Room Checksums

By MFIA Inc.

126 WOMENS

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 9		Mo/Hr: 7 / 9		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Cooling	Heating	
Outside Air:		OADB/WB/HR: 71 / 51 / 25		OADB: 71		OADB: 22		OADB: 22		OADB: 22		SADB	55.0	81.5
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.1	69.9
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.9	69.9
Envelope Loads				Envelope Loads				Envelope Loads				Ret/OA	75.4	64.2
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	1.1	0.0
Glass Solar	1,253	0	1,253	69	1,253	71	0	0.00	0	0	0.00	AIRFLOWS		
Glass/Door Cond	-44	0	-44	-2	-44	-2	-486	-486	-486	-486	31.62	Diffuser	82	82
Wall Cond	135	18	153	8	135	8	-176	-199	-176	-199	12.94	Terminal	82	82
Partition/Door	0	0	0	0	0	0	0	0	0	0	0.00	Main Fan	82	82
Floor	-41	0	-41	-2	-41	-2	-74	-74	-74	-74	4.78	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0	0	0	0.00	Nom Vent	10	10
Infiltration	0	0	0	0	0	0	0	0	0	0	0.00	AHU Vent	10	10
Sub Total ==>	1,303	18	1,321	73	1,303	74	-735	-758	-735	-758	49.34	Infil	0	0
Internal Loads				Internal Loads				Internal Loads				MinStop/Rh	0	0
Lights	196	0	196	11	196	11	0	0	0	0	0.00	Return	82	82
People	97	0	97	5	48	3	0	0	0	0	0.00	Exhaust	10	10
Misc	221	0	221	12	221	12	0	0	0	0	0.00	Rm Exh	0	0
Sub Total ==>	513	0	513	28	465	26	0	0	0	0	0.00	Auxiliary	0	0
Ceiling Load				Ceiling Load				Ceiling Load				Leakage Dwn	0	0
Ventilation Load	0	0	-223	-12	0	0	0	-507	0	-507	33.02	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	ENGINEERING CKS		
Dehumid. Ov Sizing	0	0	0	0	0	0	-283	-283	-283	-283	18.42	% OA	11.8	11.8
Ov/Undr Sizing	0	0	0	0	0	0	0	1	0	0	-0.07	cfm/ft²	1.12	1.12
Exhaust Heat	0	-9	-9	-1	0	0	0	0	0	0	0.00	cfm/ton	469.82	
Sup. Fan Heat	0	0	144	8	0	0	0	0	0	0	0.00	ft²/ton	418.83	
Ret. Fan Heat	0	73	73	4	0	0	0	0	0	0	0.00	Btu/hr-ft²	28.65	-26.31
Duct Heat Pkup	0	0	0	0	0	0	0	0	0	0	0.00	No. People	0.2	3.3/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0	0	0	0.00			
Grand Total ==>	1,818	80	1,819	100.00	1,770	100.00	-1,021	-1,536	-1,021	-1,536	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.2	2.1	2.0	82	75.4	58.9	50.2	53.4	49.3	47.5	Floor	73		Main Htg	-1.9	82	64.2	81.5	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	73							
Total	0.2	2.1									Roof	0	0	Humidif	0.0	0	0.0	0.0	
											Wall	81	18	22	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	Total	-1.9			

Room Checksums

By MFIA Inc.

200 WOMENS

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 12		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 95 / 66 / 54			OADB: 87		OADB: 22			SADB			Ra Plenum		
	Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return			Ret/OA		
	Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens		Fn MtrTD			Fn BldTD		
							Btu/h	Btu/h		Fn Frict					
Envelope Loads					Envelope Loads										
	0	0	0	0	0	0	0	0	0.00	Skylite Solar			Skylite Cond		
	0	0	0	0	0	0	0	0	0.00	Skylite Cond			Roof Cond		
	0	141	141	23	0	0	0	-115	30.49	Roof Cond			Glass Solar		
	0	0	0	0	0	0	0	0	0.00	Glass Solar			Glass/Door Cond		
	0	0	0	0	0	0	0	0	0.00	Glass/Door Cond			Wall Cond		
	0	0	0	0	0	0	0	0	0.00	Wall Cond			Partition/Door		
	0	0	0	0	0	0	0	0	0.00	Partition/Door			Floor		
	0	0	0	0	0	0	0	0	0.00	Floor			Adjacent Floor		
	0	0	0	0	0	0	0	0	0.00	Adjacent Floor			Infiltration		
	0	0	0	0	0	0	0	0	0.00	Infiltration			Sub Total ==>		
	0	141	141	23	0	0	0	-115	30.49	Sub Total ==>					
Internal Loads					Internal Loads										
	140	0	140	23	152	40	0	0	0.00	Lights			People		
	75	0	75	12	38	10	0	0	0.00	People			Misc		
	157	0	157	26	169	44	0	0	0.00	Misc			Sub Total ==>		
	372	0	372	61	358	94	0	0	0.00	Sub Total ==>					
	32	-32	0	0	22	6	-30	0	0.00	Ceiling Load			Ventilation Load		
	0	0	61	10	0	0	0	-162	42.85	Ventilation Load			Adj Air Trans Heat		
	0	0	0	0	0	0	0	0	0	Adj Air Trans Heat			Ov/Undr Sizing		
	0	0	0	0	0	0	-159	-159	41.91	Ov/Undr Sizing			Exhaust Heat		
	0	0	0	0	0	0	6	-1.59	0.00	Exhaust Heat			OA Preheat Diff.		
	-9	-9	-2		5		0	0	0.00	OA Preheat Diff.			RA Preheat Diff.		
	31	31	5		0		0	0	0.00	RA Preheat Diff.			Additional Reheat		
	16	16	3		0		52	-13.67	0.00	Additional Reheat			System Plenum Heat		
	0	0	0		0		0	0	0.00	System Plenum Heat			Underflr Sup Ht Pkup		
	0	0	0		0		0	0	0.00	Underflr Sup Ht Pkup			Supply Air Leakage		
	0	0	0		0		0	0	0.00	Supply Air Leakage			Grand Total ==>		
	403	115	611	100.00	380	100.00	-188	-378	100.00	Grand Total ==>					

AIRFLOWS		
	Cooling	Heating
Diffuser	18	18
Terminal	18	18
Main Fan	18	18
Sec Fan	0	0
Nom Vent	3	3
AHU Vent	3	3
Infil	0	0
MinStop/Rh	0	0
Return	18	18
Exhaust	3	3
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	17.6	17.6
cfm/ft²	0.34	0.34
cfm/ton	300.46	
ft²/ton	887.81	
Btu/hr-ft²	13.52	-9.10
No. People	0.2	3.3/1000 ft²

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	°F	gr/lb
Main Clg	0.1	0.7	0.6	18	80.7	62.1	56.2	53.4	47.5	40.9
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.1	0.7								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	52		
Part	0		
Int Door	0		
ExFlr	0		
Roof	52	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	-0.5	18	60.0	79.9
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	-0.5			

Room Checksums

By MFIA Inc.

201 MENS

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES						
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 12			Mo/Hr: Heating Design			Cooling			Heating			
Outside Air:		OADB/WB/HR: 95 / 66 / 54			OADB: 87			OADB: 22			SADB			Ra Plenum			
											Return			Ret/OA			
											Fn MtrTD			Fn BldTD			
											Fn Frict						
Space Sens. + Lat.		Plenum Sens. + Lat.		Net Total		Percent Of Total (%)		Space Sensible		Percent Of Total (%)		Space Peak		Coil Peak		Percent Of Total (%)	
Btu/h		Btu/h		Btu/h		Btu/h		Btu/h		Btu/h		Btu/h		Btu/h		Btu/h	
Envelope Loads																	
Skylite Solar		0		0		0		0		0		0		0		0.00	
Skylite Cond		0		0		0		0		0		0		0		0.00	
Roof Cond		0		141		141		23		0		0		-115		30.49	
Glass Solar		0		0		0		0		0		0		0		0.00	
Glass/Door Cond		0		0		0		0		0		0		0		0.00	
Wall Cond		0		0		0		0		0		0		0		0.00	
Partition/Door		0		0		0		0		0		0		0		0.00	
Floor		0		0		0		0		0		0		0		0.00	
Adjacent Floor		0		0		0		0		0		0		0		0.00	
Infiltration		0		0		0		0		0		0		0		0.00	
Sub Total ==>		0		141		141		23		0		0		-115		30.49	
Internal Loads																	
Lights		140		0		140		23		152		40		0		0.00	
People		75		0		75		12		38		10		0		0.00	
Misc		157		0		157		26		169		44		0		0.00	
Sub Total ==>		372		0		372		61		358		94		0		0.00	
Ceiling Load		32		-32		0		0		22		6		-30		0.00	
Ventilation Load		0		0		61		10		0		0		-162		42.85	
Adj Air Trans Heat		0		0		0		0		0		0		0		0	
Dehumid. Ov Sizing						0		0						-159		41.91	
Ov/Undr Sizing		0		0		0		0		0		0		6		-1.59	
Exhaust Heat				-9		-9		-2						0		0.00	
Sup. Fan Heat						31		5						0		0.00	
Ret. Fan Heat				16		16		3						0		0.00	
Duct Heat Pkup				0		0		0						52		-13.67	
Underflr Sup Ht Pkup				0		0		0						0		0.00	
Supply Air Leakage				0		0		0						0		0.00	
Grand Total ==>		403		115		611		100.00		380		100.00		-188		-378 100.00	

AIRFLOWS		
	Cooling	Heating
Diffuser	18	18
Terminal	18	18
Main Fan	18	18
Sec Fan	0	0
Nom Vent	3	3
AHU Vent	3	3
Infil	0	0
MinStop/Rh	0	0
Return	18	18
Exhaust	3	3
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	17.6	17.6
cfm/ft²	0.34	0.34
cfm/ton	300.46	
ft²/ton	887.81	
Btu/hr-ft²	13.52	-9.10
No. People	0.2	3.3/1000 ft²

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	0.7	0.6	18	80.7	62.1	56.2	53.4	47.5	40.9
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.1	0.7								

AREAS			
	Gross Total	Glass ft²	(%)
Floor	52		
Part	0		
Int Door	0		
ExFlr	0		
Roof	52	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-0.5	18	60.0	79.9
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	-0.5			

Room Checksums

By MFIA Inc.

202 SMALL GROUP

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 10		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 95 / 66 / 54		OADB: 76		OADB: 22						SADB	55.0	79.9
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	76.9	68.2
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	77.7	68.2
Envelope Loads				Envelope Loads								Ret/OA	81.7	57.4
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	603	603	7	0	0	-495	7.35	0	0	0.00	Fn Frict	1.1	0.0
Glass Solar	592	0	592	7	1,897	32	0	0.00	0	0	0.00			
Glass/Door Cond	375	0	375	4	-2	0	-972	14.44	-972	-972	14.44			
Wall Cond	139	19	158	2	212	4	-244	4.14	-244	-278	4.14			
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00			
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00			
Sub Total ==>	1,106	622	1,727	20	2,107	35	-1,216	25.93	-1,216	-1,745	25.93			
Internal Loads				Internal Loads								AIRFLOWS		
Lights	599	0	599	7	616	10	0	0.00	0	0	0.00	Cooling	Heating	
People	3,881	0	3,881	45	2,483	41	0	0.00	0	0	0.00	Diffuser	277	277
Misc	674	0	674	8	685	11	0	0.00	0	0	0.00	Terminal	277	277
Sub Total ==>	5,154	0	5,154	59	3,785	63	0	0.00	0	0	0.00	Main Fan	277	277
Ceiling Load	135	-135	0	0	96	2	-127	0.00	-127	0	0.00	Sec Fan	0	0
Ventilation Load	0	0	1,269	15	0	0	0	49.83	0	-3,353	49.83	Nom Vent	64	64
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	AHU Vent	64	64
Dehumid. Ov Sizing	0	0	0	0	0	0	-1,620	24.08	-1,620	-1,620	24.08	Infil	0	0
Ov/Undr Sizing	0	0	0	0	0	0	0	-1.85	0	124	-1.85	MinStop/Rh	0	0
Exhaust Heat	0	-190	-190	-2	0	0	0	0.00	0	0	0.00	Return	277	277
Sup. Fan Heat	0	488	488	6	0	0	0	0.00	0	0	0.00	Exhaust	64	64
Ret. Fan Heat	0	246	246	3	0	0	0	0.00	0	0	0.00	Rm Exh	0	0
Duct Heat Pkup	0	0	0	0	0	0	0	2.00	0	-135	2.00	Auxiliary	0	0
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Dwn	0	0
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0
Grand Total ==>	6,395	543	8,694	100.00	5,987	100.00	-2,963	100.00	-2,963	-6,728	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	ft² (%)	Capacity	Coil Airflow	Ent °F	Lvg °F	
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F
Main Clg	0.8	10.0	7.2	277	81.7	62.4	56.1	53.4	49.5	47.9	Floor	223	Main Htg	-8.4	277	57.4	79.9	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0	
											ExFlr	0	Humidif	0.0	0	0.0	0.0	
Total	0.8	10.0									Roof	223	0	0	0.0	0.0	0.0	
											Wall	125	36	29	0.0	0	0.0	0.0
											Ext Door	0	0	0	0.0	0.0	0.0	
													Total	-8.4				

Room Checksums

By MFIA Inc.

203 MEDIUM GROUP

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES					
Peaked at Time:		Mo/Hr: 7 / 16			Mo/Hr: 7 / 10		Mo/Hr: Heating Design						Cooling			Heating				
Outside Air:		OADB/WB/HR: 94 / 66 / 53			OADB: 76		OADB: 22						SADB			Ra Plenum				
	Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	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					Envelope Loads															
	0	0	0	0	0	0	0	0	0.00	0	0	0.00								
	0	0	0	0	0	0	0	0	0.00	0	0	0.00								
	0	856	856	7	0	0	0	-768	7.81	0	0	0.00								
	538	0	538	4	1,897	23	0	0	0.00	0	0	0.00								
	369	0	369	3	-2	0	-972	-972	9.88	0	0	0.00								
	227	27	255	2	336	4	-382	-430	4.37	0	0	0.00								
	0	0	0	0	0	0	0	0	0.00	0	0	0.00								
	0	0	0	0	0	0	0	0	0.00	0	0	0.00								
	0	0	0	0	0	0	0	0	0.00	0	0	0.00								
	0	0	0	0	0	0	0	0	0.00	0	0	0.00								
	0	0	0	0	0	0	0	0	0.00	0	0	0.00								
	1,134	883	2,018	16	2,231	27	-1,354	-2,169	22.07											
Internal Loads					Internal Loads															
	957	0	957	7	957	12	0	0	0.00	0	0	0.00								
	6,291	0	6,291	49	3,853	47	0	0	0.00	0	0	0.00								
	1,063	0	1,063	8	1,063	13	0	0	0.00	0	0	0.00								
	8,310	0	8,310	65	5,873	71	0	0	0.00	0	0	0.00								
	210	-210	0	0	148	2	-197	0	0.00	0	0	0.00								
	0	0	1,751	14	0	0	0	-5,199	52.89	0	0	0.00								
	0	0	0	0	0	0	0	0	0	0	0	0.00								
	0	0	0	0	0	0	-2,533	-2,533	25.76	0	0	0.00								
	0	0	0	0	0	0	0	193	-1.96	0	0	0.00								
	-294	-294	-2	-2	0	0	0	0	0.00	0	0	0.00								
	672	672	5	5	0	0	0	0	0.00	0	0	0.00								
	339	339	3	3	0	0	0	0	0.00	0	0	0.00								
	0	0	0	0	0	0	-122	1.24	1.24	0	0	0.00								
	0	0	0	0	0	0	0	0	0.00	0	0	0.00								
	0	0	0	0	0	0	0	0	0.00	0	0	0.00								
	9,655	719	12,796	100.00	8,252	100.00	-4,083	-9,829	100.00											

AIRFLOWS		
	Cooling	Heating
Diffuser	382	382
Terminal	382	382
Main Fan	382	382
Sec Fan	0	0
Nom Vent	99	99
AHU Vent	99	99
Infil	0	0
MinStop/Rh	0	0
Return	382	382
Exhaust	99	99
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	26.0	26.0
cfm/ft²	1.10	1.10
cfm/ton	311.35	
ft²/ton	282.16	
Btu/hr-ft²	42.53	-35.51
No. People	15.7	45.5/1000 ft²

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	°F	gr/lb
Main Clg	1.2	14.7	10.6	382	81.9	62.4	55.6	53.4	48.4	44.2
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	1.2	14.7								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	346		
Part	0		
Int Door	0		
ExFlr	0		
Roof	346	0	0
Wall	174	36	21
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	-12.3	382	56.1	79.9
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	-12.3			

Room Checksums

By MFIA Inc.

204 MEDIUM GROUP

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 16		Mo/Hr: 7 / 10		Mo/Hr: Heating Design						Cooling	Heating			
Outside Air:		OADB/WB/HR: 94 / 66 / 53		OADB: 76		OADB: 22						SADB	55.0	79.9		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	76.9	68.2		
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	77.7	68.2		
Envelope Loads				Envelope Loads								Ret/OA	81.9	56.1		
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0		
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0		
Roof Cond	0	851	851	7	0	0	-763	7.81	0	-763	7.81	Fn Frict	1.1	0.0		
Glass Solar	538	0	538	4	1,897	23	0	0.00	0	0	0.00					
Glass/Door Cond	369	0	369	3	-2	0	-972	9.94	-972	-972	9.94					
Wall Cond	220	27	247	2	324	4	-370	4.26	-370	-416	4.26					
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00					
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00					
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00					
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00					
<i>Sub Total ==></i>	1,127	878	2,005	16	2,220	27	-1,341	22.01	-1,341	-2,151	22.01					
Internal Loads				Internal Loads												
Lights	951	0	951	7	951	12	0	0.00	0	0	0.00					
People	6,255	0	6,255	49	3,831	47	0	0.00	0	0	0.00					
Misc	1,057	0	1,057	8	1,057	13	0	0.00	0	0	0.00					
<i>Sub Total ==></i>	8,262	0	8,262	65	5,839	71	0	0.00	0	0	0.00					
Ceiling Load	209	-209	0	0	147	2	-196	0.00	-196	0	0.00					
Ventilation Load	0	0	1,740	14	0	0	0	52.88	0	-5,168	52.88					
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0					
Dehumid. Ov Sizing			0	0			-2,523	25.82		-2,523	25.82					
Ov/Undr Sizing	0	0	0	0	0	0	192	-1.96		192	-1.96					
Exhaust Heat		-292	-292	-2			0	0.00		0	0.00					
Sup. Fan Heat			668	5			0	0.00		0	0.00					
Ret. Fan Heat		337	337	3			0	0.00		0	0.00					
Duct Heat Pkup		0	0	0			-122	1.25		-122	1.25					
Underflr Sup Ht Pkup			0	0			0	0.00		0	0.00					
Supply Air Leakage		0	0	0			0	0.00		0	0.00					
<i>Grand Total ==></i>	9,598	714	12,720	100.00	8,206	100.00	-4,060	100.00	-4,060	-9,772	100.00					

AIRFLOWS		
	Cooling	Heating
Diffuser	380	380
Terminal	380	380
Main Fan	380	380
Sec Fan	0	0
Nom Vent	99	99
AHU Vent	99	99
Infil	0	0
MinStop/Rh	0	0
Return	380	380
Exhaust	99	99
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	26.0	26.0
cfm/ft²	1.10	1.10
cfm/ton	311.45	
ft²/ton	282.20	
Btu/hr-ft²	42.52	-35.51
No. People	15.6	45.5/1000 ft²

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	1.2	14.6	10.6	380	81.9	62.4	55.6	53.4	48.4	44.2
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	1.2	14.6								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	344		
Part	0		
Int Door	0		
ExFlr	0		
Roof	344	0	0
Wall	169	36	21
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
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	-12.2			

Room Checksums

By MFIA Inc.

205 PRINT

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 16			Mo/Hr: 7 / 11		Mo/Hr: Heating Design			Mo/Hr: Heating Design			Cooling	Heating			
Outside Air:		OADB/WB/HR: 94 / 66 / 53			OADB: 82		OADB: 22			OADB: 22			SADB	55.0	79.9		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	76.9	68.2			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	77.7	68.2			
Envelope Loads					Envelope Loads										Ret/OA	80.2	61.1
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0			
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0			
Roof Cond	0	67	14	0	0	0	-59	17.63	0	0	0.00	Fn Frict	1.1	0.0			
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00						
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00						
Wall Cond	90	8	20	137	38	-161	-176	52.85	0	0	0.00						
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00						
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00						
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00						
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00						
<i>Sub Total ==></i>	90	75	34	137	38	-161	-235	70.49									
Internal Loads					Internal Loads												
Lights	72	0	15	76	21	0	0	0.00	0	0	0.00						
People	81	0	17	46	13	0	0	0.00	0	0	0.00						
Misc	81	0	17	85	24	0	0	0.00	0	0	0.00						
<i>Sub Total ==></i>	234	0	49	208	58	0	0	0.00									
Ceiling Load	16	-16	0	11	3	-15	0	0.00									
Ventilation Load	0	0	9	0	0	0	-131	39.17									
Adj Air Trans Heat	0	0	0	0	0	0	0	0									
Dehumid. Ov Sizing			0			0	0	0.00									
Ov/Undr Sizing	0	0	0	0	0	0	5	-1.45									
Exhaust Heat		-7	-2			0	0	0.00									
Sup. Fan Heat			6			0	0	0.00									
Ret. Fan Heat		15	3			0	0	0.00									
Duct Heat Pkup		0	0			27	-8.20										
Underflr Sup Ht Pkup		0	0			0	0	0.00									
Supply Air Leakage		0	0			0	0	0.00									
Grand Total ==>	340	66	100.00	356	100.00	-176	-334	100.00									

AIRFLOWS		
	Cooling	Heating
Diffuser	16	16
Terminal	16	16
Main Fan	16	16
Sec Fan	0	0
Nom Vent	3	3
AHU Vent	3	3
Infil	0	0
MinStop/Rh	0	0
Return	16	16
Exhaust	3	3
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	15.2	15.2
cfm/ft²	0.62	0.62
cfm/ton	358.43	
ft²/ton	577.74	
Btu/hr-ft²	20.77	-15.73
No. People	0.2	7.0/1000 ft²

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	0.1	0.6	0.5	16	80.2	61.9	56.0	53.4	49.8	49.3
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.1	0.6								

AREAS			
	Gross Total	Glass	(%)
		ft²	
Floor	27		
Part	0		
Int Door	0		
ExFlr	0		
Roof	27	0	0
Wall	57	0	0
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent °F	Lvg °F
Main Htg	-0.4	16	61.1	79.9
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	-0.4			

Room Checksums

By MFIA Inc.

206 CONSULT

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 9		Mo/Hr: 6 / 9		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 71 / 51 / 25		OADB: 68		OADB: 22						SADB	55.0	79.9
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	76.9	68.2
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	77.7	68.2
Envelope Loads				Envelope Loads								Ret/OA	77.3	64.7
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	90	90	2	0	0	-287	10.58	0	0	0.00	Fn Frict	1.1	0.0
Glass Solar	2,507	0	2,507	64	2,603	73	0	0.00	0	0	0.00	AIRFLOWS		
Glass/Door Cond	-88	0	-88	-2	-155	-4	-972	35.88	-972	-972	35.88	Diffuser	165	165
Wall Cond	169	23	192	5	154	4	-237	9.99	-237	-271	9.99	Terminal	165	165
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	165	165
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	12	12
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	12	12
Sub Total ==>	2,588	114	2,702	69	2,601	73	-1,209	56.46	-1,209	-1,529	56.46	Infil	0	0
Internal Loads				Internal Loads								MinStop/Rh	0	0
Lights	347	0	347	9	347	10	0	0.00	0	0	0.00	Return	165	165
People	359	0	359	9	178	5	0	0.00	0	0	0.00	Exhaust	12	12
Misc	390	0	390	10	390	11	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	1,096	0	1,096	28	916	26	0	0.00	0	0	0.00	Auxiliary	0	0
Ceiling Load				Ceiling Load								Leakage Dwn	0	0
Ventilation Load	0	-78	0	0	55	2	-73	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	-309	-8	0	0	-643	23.76	0	-643	23.76	ENGINEERING CKS		
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	7.4	7.4
Ov/Undr Sizing	0	0	0	0	0	0	-486	17.94	0	-486	17.94	cfm/ft²	1.28	1.28
Exhaust Heat	0	-36	-36	-1	0	0	0	0.00	0	0	0.00	cfm/ton	443.31	
Sup. Fan Heat	0	0	291	7	0	0	0	0.00	0	0	0.00	ft²/ton	346.36	
Ret. Fan Heat	0	147	147	4	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	34.65	-26.21
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	0.9	7.0/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	3,763	146	3,890	100.00	3,572	100.00	-1,768	100.00	-1,768	-2,708	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F	
Main Clg	0.4	4.5	4.0	165	77.3	60.5	54.3	53.4	50.7	52.3	Floor	129	-3.4	165	64.7	79.9	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	0.0	0	0.0	0.0	
											ExFlr	0	0.0	0	0.0	0.0	
Total	0.4	4.5									Roof	129	0.0	0	0.0	0.0	
											Wall	123	36	29	0.0	0.0	
											Ext Door	0	0	0	0.0	0.0	
											Total	-3.4					

Room Checksums

By MFIA Inc.

207 CONSULT

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES					
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 17		Mo/Hr: Heating Design			Cooling			Heating			
Outside Air:		OADB/WB/HR: 95 / 66 / 54			OADB: 92		OADB: 22			SADB			Ra Plenum			
	Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return			Ret/OA			
	Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens		Fn MtrTD			Fn BldTD			
							Btu/h	Btu/h		Fn Frict						
Envelope Loads					Envelope Loads											
	0	0	0	0	0	0	0	0	0.00							
	0	0	0	0	0	0	0	0	0.00							
	0	347	347	19	0	0	0	-285	23.07							
	0	0	0	0	0	0	0	0	0.00							
	0	0	0	0	0	0	0	0	0.00							
	0	0	0	0	0	0	0	0	0.00							
	0	0	0	0	0	0	0	0	0.00							
	0	0	0	0	0	0	0	0	0.00							
	0	0	0	0	0	0	0	0	0.00							
	0	0	0	0	0	0	0	0	0.00							
	0	0	0	0	0	0	0	0	0.00							
	0	0	0	0	0	0	0	0	0.00							
	0	0	0	0	0	0	0	0	0.00							
	0	347	347	19	0	0	0	-285	23.07							
	0	347	347	19	0	0	0	-285	23.07							
Internal Loads					Internal Loads											
	345	0	345	19	370	35	0	0	0.00							
	388	0	388	22	225	21	0	0	0.00							
	388	0	388	21	413	39	0	0	0.00							
	1,121	0	1,121	62	1,007	95	0	0	0.00							
	78	-78	0	0	55	5	-73	0	0.00							
	0	0	242	13	0	0	0	-638	51.65							
	0	0	0	0	0	0	0	0	0							
	0	0	0	0	0	0	-453	-453	36.64							
	0	0	0	0	0	0	0	24	-1.91							
	0	-36	-36	-2	0	0	0	0	0.00							
	0	87	87	5	0	0	0	0	0.00							
	0	44	44	2	0	0	0	0	0.00							
	0	0	0	0	0	0	0	117	-9.44							
	0	0	0	0	0	0	0	0	0.00							
	0	0	0	0	0	0	0	0	0.00							
	1,199	277	1,804	100.00	1,062	100.00	-526	-1,235	100.00							

AIRFLOWS		
	Cooling	Heating
Diffuser	49	49
Terminal	49	49
Main Fan	49	49
Sec Fan	0	0
Nom Vent	12	12
AHU Vent	12	12
Infil	0	0
MinStop/Rh	0	0
Return	49	49
Exhaust	12	12
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	24.8	24.8
cfm/ft²	0.38	0.38
cfm/ton	284.32	
ft²/ton	742.73	
Btu/hr-ft²	16.16	-12.03
No. People	0.9	7.0/1000 ft²

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	°F	gr/lb
Main Clg	0.2	2.1	1.6	49	82.0	62.5	56.0	53.4	47.1	39.4
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	0.2	2.1								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	128		
Part	0		
Int Door	0		
ExFlr	0		
Roof	128	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	-1.5	49	56.6	79.9
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	-1.5			

Room Checksums

By MFIA Inc.

208 TEAMWORK

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 8 / 15			Mo/Hr: 8 / 16		Mo/Hr: Heating Design						Cooling	Heating			
Outside Air:		OADB/WB/HR: 95 / 66 / 51			OADB: 94		OADB: 22						SADB	55.0	79.9		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent	Space Sens	Tot Sens	Of Total	Return					
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Fn MtrTD					
Envelope Loads					Envelope Loads										Fn BldTD	0.4	0.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00				Fn Frict	1.1	0.0			
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00									
Roof Cond	0	939	12	0	0	Roof Cond	0	15.91									
Glass Solar	1,815	0	22	1,844	33	Glass Solar	0	0.00									
Glass/Door Cond	539	0	7	536	9	Glass/Door Cond	-1,372	27.33									
Wall Cond	404	48	6	379	7	Wall Cond	-589	13.17									
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00									
Floor	0	0	0	0	0	Floor	0	0.00									
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00									
Infiltration	0	0	0	0	0	Infiltration	0	0.00									
<i>Sub Total ==></i>	2,759	987	3,746	46	2,759	49	<i>Sub Total ==></i>	56.41	-1,962	-2,832							
Internal Loads					Internal Loads												
Lights	968	0	12	995	18	Lights	0	0.00									
People	1,089	0	13	629	11	People	0	0.00									
Misc	1,087	0	13	1,106	20	Misc	0	0.00									
<i>Sub Total ==></i>	3,144	0	39	2,730	48	<i>Sub Total ==></i>	0	0.00									
Ceiling Load	219	-219	0	154	3	Ceiling Load	-205	0.00									
Ventilation Load	0	0	604	7	0	Ventilation Load	0	35.63									
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0									
Dehumid. Ov Sizing			0	0	0	Ov/Undr Sizing	-626	12.47									
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	66	-1.32									
Exhaust Heat		-101	-101	-1	0	OA Preheat Diff.	0	0.00									
Sup. Fan Heat			460	6		RA Preheat Diff.	0	0.00									
Ret. Fan Heat		232	232	3		Additional Reheat	0	0.00									
Duct Heat Pkup		0	0	0		System Plenum Heat	160	-3.19									
Underflr Sup Ht Pkup			0	0		Underflr Sup Ht Pkup	0	0.00									
Supply Air Leakage			0	0		Supply Air Leakage	0	0.00									
Grand Total ==>	6,121	900	8,084	100.00	5,643	100.00	Grand Total ==>	100.00	-2,792	-5,021							

AIRFLOWS		
	Cooling	Heating
Diffuser	261	261
Terminal	261	261
Main Fan	261	261
Sec Fan	0	0
Nom Vent	34	34
AHU Vent	34	34
Infil	0	0
MinStop/Rh	0	0
Return	261	261
Exhaust	34	34
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	13.1	13.1
cfm/ft²	0.73	0.73
cfm/ton	337.01	
ft²/ton	464.66	
Btu/hr-ft²	25.83	-17.43
No. People	2.5	7.0/1000 ft²

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	°F	gr/lb
Main Clg	0.8	9.3	7.7	261	80.0	61.8	55.9	53.4	48.9	45.7
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	9.3								

AREAS			
	Gross Total	Glass	(%)
		ft²	
Floor	360		
Part	0		
Int Door	0		
ExFlr	0		
Roof	360	0	0
Wall	263	50	19
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	-6.3	261	62.1	79.9
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	-6.3			

Room Checksums

By MFIA Inc.

209 OFFICE

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 8 / 15			Mo/Hr: 8 / 16		Mo/Hr: Heating Design										
Outside Air:		OADB/WB/HR: 95 / 66 / 51			OADB: 94		OADB: 22										
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Coil Peak Tot Sens	Percent Of Total	SADB	Cooling	Heating			
Btu/h	Btu/h	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	0.00	0	0	0.00	Return	77.2	68.6			
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0			
Roof Cond	0	193	193	13	0	0	-164	17.84	0	-164	17.84	Fn BldTD	0.4	0.0			
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	1.1	0.0			
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00						
Wall Cond	459	45	504	33	445	44	-463	55.24	-463	-508	55.24						
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00						
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00						
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00						
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00						
<i>Sub Total ==></i>	459	238	697	45	445	44	-463	73.08	-463	-672	73.08						
Internal Loads					Internal Loads												
Lights	195	0	195	13	199	20	0	0.00	0	0	0.00						
People	206	0	206	13	122	12	0	0.00	0	0	0.00						
Misc	220	0	220	14	222	22	0	0.00	0	0	0.00						
<i>Sub Total ==></i>	621	0	621	40	543	53	0	0.00	0	0	0.00						
Ceiling Load	33	-33	0	0	27	3	-32	0.00	-32	0	0.00						
Ventilation Load	0	0	112	7	0	0	-366	39.84	0	-366	39.84						
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0						
Dehumid. Ov Sizing			0	0			0	0.00	0	0	0.00						
Ov/Undr Sizing	0	0	0	0	0	0	10	-1.12	0	10	-1.12						
Exhaust Heat		-17	-17	-1			0	0.00		0	0.00						
Sup. Fan Heat			83	5			0	0.00		0	0.00						
Ret. Fan Heat		42	42	3			0	0.00		0	0.00						
Duct Heat Pkup		0	0	0			108	-11.79		108	-11.79						
Underflr Sup Ht Pkup		0	0	0			0	0.00		0	0.00						
Supply Air Leakage		0	0	0			0	0.00		0	0.00						
<i>Grand Total ==></i>	1,114	230	1,539	100.00	1,016	100.00	-494	100.00	-494	-919	100.00						

AIRFLOWS		
	Cooling	Heating
Diffuser	47	47
Terminal	47	47
Main Fan	47	47
Sec Fan	0	0
Nom Vent	7	7
AHU Vent	7	7
Infil	0	0
MinStop/Rh	0	0
Return	47	47
Exhaust	7	7
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	14.9	14.9
cfm/ft²	0.64	0.64
cfm/ton	318.70	
ft²/ton	496.47	
Btu/hr-ft²	24.17	-15.69
No. People	0.5	7.0/1000 ft²

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	°F	gr/lb
Main Clg	0.2	1.8	1.5	47	79.9	62.1	57.8	53.4	48.5	44.5
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	0.2	1.8								

AREAS			
	Gross Total	Glass	(%)
		ft²	
Floor	73		
Part	0		
Int Door	0		
ExFlr	0		
Roof	73	0	0
Wall	163	0	0
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	-1.2	47	61.6	79.7
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	-1.2			

Room Checksums

By MFIA Inc.

210 STOR

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 12		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 95 / 66 / 54			OADB: 87		OADB: 22			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return <th>Ret/OA <th>Fn MtrTD <th>Fn BldTD <th>Fn Frict </th></th></th></th>	Ret/OA <th>Fn MtrTD <th>Fn BldTD <th>Fn Frict </th></th></th>	Fn MtrTD <th>Fn BldTD <th>Fn Frict </th></th>	Fn BldTD <th>Fn Frict </th>	Fn Frict		
Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens		Btu/h	Btu/h	Btu/h	Btu/h	Btu/h		
Envelope Loads					Envelope Loads										
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0	0	0		
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0	0	0		
Roof Cond	0	118	118	23	0	0	-97	31.66	0	80.4	0.2	0.0	0.0		
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.4	0.0	0.0		
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	1.1	0.0	0.0		
Wall Cond	0	0	0	0	0	0	0	0.00	0	0					
Partition/Door	0	0	0	0	0	0	0	0.00	0	0					
Floor	0	0	0	0	0	0	0	0.00	0	0					
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0					
Infiltration	0	0	0	0	0	0	0	0.00	0	0					
Sub Total ==>	0	118	118	23	0	0	-97	31.66	0	0					
Internal Loads					Internal Loads										
Lights	117	0	117	23	127	40	0	0.00	0	0					
People	62	0	62	12	31	10	0	0.00	0	0					
Misc	131	0	131	26	141	45	0	0.00	0	0					
Sub Total ==>	310	0	310	61	298	95	0	0.00	0	0					
Ceiling Load	19	-19	0	0	16	5	-19	0.00	0	0					
Ventilation Load	0	0	47	9	0	0	-136	44.35	0	0					
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0					
Dehumid. Ov Sizing			0	0			-134	43.83	0	0					
Ov/Undr Sizing	0	0	0	0	0	0	4	-1.25	0	0					
Exhaust Heat		-6	-6	-1			0	0.00	0	0					
Sup. Fan Heat			26	5			0	0.00	0	0					
Ret. Fan Heat		13	13	3			0	0.00	0	0					
Duct Heat Pkup		0	0	0			57	-18.60	0	0					
Underflr Sup Ht Pkup		0	0	0			0	0.00	0	0					
Supply Air Leakage		0	0	0			0	0.00	0	0					
Grand Total ==>	329	105	508	100.00	315	100.00	-153	307	100.00						

AIRFLOWS		
	Cooling	Heating
Diffuser	15	15
Terminal	15	15
Main Fan	15	15
Sec Fan	0	0
Nom Vent	3	3
AHU Vent	3	3
Infil	0	0
MinStop/Rh	0	0
Return	15	15
Exhaust	3	3
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	17.9	17.9
cfm/ft²	0.34	0.34
cfm/ton	299.25	
ft²/ton	890.90	
Btu/hr-ft²	13.47	-8.84
No. People	0.1	3.3/1000 ft²

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	0.6	0.5	15	80.4	62.4	58.2	53.4	47.8	42.1
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	0.1	0.6								

AREAS			
	Gross Total	Glass ft²	(%)
Floor	43		
Part	0		
Int Door	0		
ExFlr	0		
Roof	43	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-0.4	15	60.2	79.7
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	-0.4			

Room Checksums

By MFIA Inc.

211 CONFERENCE

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 8 / 16			Mo/Hr: 9 / 16		Mo/Hr: Heating Design										
Outside Air:		OADB/WB/HR: 94 / 65 / 49			OADB: 89		OADB: 22										
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent Of Total	Space Sens	Coil Peak Tot Sens	Percent Of Total	SADB	Cooling	Heating			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)						
Envelope Loads					Envelope Loads										AIRFLOWS		
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	387	387			
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	387	387			
Roof Cond	0	538	5	0	0	0	-508	6.39	0	0	0.00	Main Fan	387	387			
Glass Solar	3,165	0	27	3,678	44	0	0	0.00	0	0	0.00	Sec Fan	0	0			
Glass/Door Cond	376	0	3	274	3	-972	-972	12.22	0	0	0.00	Nom Vent	65	65			
Wall Cond	601	70	6	611	7	-567	-633	7.96	0	0	0.00	AHU Vent	65	65			
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Infil	0	0			
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	MinStop/Rh	0	0			
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Return	387	387			
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	Exhaust	65	65			
Sub Total ==>	4,142	607	4,749	40	4,563	55	-1,538	26.57	-1,538	-2,112	26.57	Rm Exh	0	0			
Internal Loads					Internal Loads										ENGINEERING CKS		
Lights	616	0	5	616	7	0	0	0.00	0	0	0.00	% OA	16.9	16.9			
People	4,007	0	34	2,408	29	0	0	0.00	0	0	0.00	cfm/ft²	1.71	1.71			
Misc	689	0	6	689	8	0	0	0.00	0	0	0.00	cfm/ton	341.03				
Sub Total ==>	5,311	0	5,311	45	3,713	44	0	0.00	0	0	0.00	ft²/ton	199.99				
Ceiling Load	102	-102	0	85	1	-98	0	0.00	-98	0	0.00	Btu/hr-ft²	60.00	-43.81			
Ventilation Load	0	0	8	0	0	0	-3,410	42.89	0	0	0.00	No. People	10.3	45.5/1000 ft²			
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0.00						
Dehumid. Ov Sizing			0	0	0	-2,432	-2,432	30.59									
Ov/Undr Sizing	0	0	0	0	0	96	-1.20	0.00									
Exhaust Heat		-158	-1	681	6	0	0	0.00									
Sup. Fan Heat			6	344	3	0	0	0.00									
Ret. Fan Heat			3	0	0	0	0	0.00									
Duct Heat Pkup			0	0	0	-92	1.15	0.00									
Underflr Sup Ht Pkup			0	0	0	0	0	0.00									
Supply Air Leakage			0	0	0	0	0	0.00									
Grand Total ==>	9,555	692	11,837	100.00	8,361	100.00	-4,068	100.00	-4,068	-7,951	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	1.1	13.6	10.7	387	80.1	62.1	57.3	53.4	49.5	48.0	Floor	227		Main Htg	-9.9	387	60.7	79.7
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0						
Total	1.1	13.6									Roof	227	0	Humidif	0.0	0	0.0	0.0
											Wall	239	36	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	Total	-9.9			

Room Checksums

By MFIA Inc.

212 STAFF RR

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 12		Mo/Hr: Heating Design			Mo/Hr: Heating Design			Cooling	Heating			
Outside Air:		OADB/WB/HR: 95 / 66 / 54			OADB: 87		OADB: 22			OADB: 22			SADB	55.0	79.7		
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Return	76.4	68.6			
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Ret/OA	80.4	60.3			
Envelope Loads					Envelope Loads										Fn MtrTD	0.2	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0			
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	1.1	0.0			
Roof Cond	0	142	142	23	0	0	-116	31.74	0	0	0.00	AIRFLOWS					
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Cooling	Heating				
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	17	17			
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	17	17			
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	17	17			
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0			
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	3	3			
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	3	3			
Sub Total ==>	0	142	142	23	0	0	-116	31.74	0	0	0.00	Infil	0	0			
Internal Loads					Internal Loads										MinStop/Rh	0	0
Lights	140	0	140	23	152	40	0	0.00	0	0	0.00	Return	17	17			
People	75	0	75	12	38	10	0	0.00	0	0	0.00	Exhaust	3	3			
Misc	157	0	157	26	169	45	0	0.00	0	0	0.00	Rm Exh	0	0			
Sub Total ==>	372	0	372	61	358	95	0	0.00	0	0	0.00	Auxiliary	0	0			
Ceiling Load					Ceiling Load										Leakage Dwn	0	0
Ventilation Load	0	0	56	9	0	0	-162	44.20	0	0	0.00	Leakage Ups	0	0			
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0.00	ENGINEERING CKS					
Dehumid. Ov Sizing	0	0	0	0	0	0	-161	43.95	0	0	0.00	% OA	17.7	17.7			
Ov/Undr Sizing	0	0	0	0	0	0	5	-1.24	0	0	0.00	cfm/ft²	0.34	0.34			
Exhaust Heat	0	-8	-8	-1	0	0	0	0.00	0	0	0.00	cfm/ton	299.39				
Sup. Fan Heat	0	31	31	5	0	0	0	0.00	0	0	0.00	ft²/ton	891.35				
Ret. Fan Heat	0	16	16	3	0	0	68	-18.65	0	0	0.00	Btu/hr-ft²	13.46	-8.82			
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	0.2	3.3/1000 ft²			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00						
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00						
Grand Total ==>	395	126	609	100.00	377	100.00	-184	367	100.00	-184	-367						

COOLING COIL SELECTION											AREAS				HEATING COIL SELECTION				
	Total Capacity		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass ft² (%)	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F			
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb									
Main Clg	0.1	0.7	0.6	17	80.4	62.4	58.2	53.4	47.8	42.1	Floor	52							
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	Int Door	0							
											ExFlr	0							
Total	0.1	0.7									Roof	52	0	0					
											Wall	0	0	0					
											Ext Door	0	0	0					

Room Checksums

By MFIA Inc.

213 SMALL GROUP

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 8 / 16		Mo/Hr: 9 / 16		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 94 / 65 / 49		OADB: 89		OADB: 22						SADB	55.0	79.7
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	76.4	68.6
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	77.2	68.6
Envelope Loads				Envelope Loads								Ret/OA	80.2	60.3
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	556	5	0	0	0	-544	6.57	0	0	0.00	Fn Frict	1.1	0.0
Glass Solar	3,303	0	3,303	27	3,753	44	0	0.00	0	0	0.00	AIRFLOWS		
Glass/Door Cond	379	0	379	3	276	3	-971	11.71	-971	-971	11.71	Diffuser	396	396
Wall Cond	293	42	335	3	307	4	-237	3.27	-237	-271	3.27	Terminal	396	396
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	396	396
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	70	70
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	70	70
Sub Total ==>	3,976	598	4,574	37	4,336	51	-1,208	21.55	-1,786	-1,786	21.55	Infil	0	0
Internal Loads				Internal Loads								MinStop/Rh	0	0
Lights	672	0	672	5	672	8	0	0.00	0	0	0.00	Return	396	396
People	4,418	0	4,418	36	2,706	32	0	0.00	0	0	0.00	Exhaust	70	70
Misc	746	0	746	6	746	9	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	5,836	0	5,836	48	4,124	48	0	0.00	0	0	0.00	Auxiliary	0	0
Ceiling Load				Ceiling Load								Leakage Dwn	0	0
Lights	109	-109	0	0	91	1	-105	0.00	0	0	0.00	Leakage Ups	0	0
Ventilation Load	0	0	974	8	0	0	0	44.04	0	-3,651	44.04	ENGINEERING CKS		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	17.6	17.6
Dehumid. Ov Sizing	0	0	0	0	0	0	-2,848	34.35	-2,848	-2,848	34.35	cfm/ft²	1.63	1.63
Ov/Undr Sizing	0	0	0	0	0	0	103	-1.24	0	0	0.00	cfm/ton	336.67	
Exhaust Heat	0	-169	-169	-1	0	0	0	0.00	0	0	0.00	ft²/ton	206.78	
Sup. Fan Heat	0	0	696	6	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	58.03	-42.64
Ret. Fan Heat	0	352	352	3	0	0	0	0.00	0	0	0.00	No. People	11.0	45.5/1000 ft²
Duct Heat Pkup	0	0	0	0	0	0	-108	1.30	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	9,921	672	12,263	100.00	8,551	100.00	-4,161	100.00	-8,290	-8,290	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 °F	Lvg °F				
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F	gr/lb	ft²	MBh
Main Clg	1.2	14.1	11.0	396	80.2	62.1	57.3	53.4	49.3	47.4	Floor	243					Main Htg	-10.4	396	60.3	79.7
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0					Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0					Preheat	0.0	0	0.0	0.0
Total	1.2	14.1									ExFlr	0					Humidif	0.0	0	0.0	0.0
											Roof	243	0	0			Opt Vent	0.0	0	0.0	0.0
											Wall	123	36	29			Total	-10.4			
											Ext Door	0	0	0							

Room Checksums

By MFIA Inc.

214 LARGE GROUP

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 8 / 16			Mo/Hr: 9 / 16		Mo/Hr: Heating Design						Cooling	Heating			
Outside Air:		OADB/WB/HR: 94 / 65 / 49			OADB: 89		OADB: 22						SADB	55.0	79.7		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent Of Total	Space Sens	Coil Peak	Percent Of Total	Ra Plenum	76.4	68.6			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Tot Sens	(%)	Btu/h	Btu/h	(%)	Return	77.2	68.6			
Envelope Loads					Envelope Loads										Ret/OA	81.0	58.1
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0			
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0			
Roof Cond	0	1,050	5	0	0	0	-1,028	7.48	0	-1,028	7.48	Fn Frict	1.1	0.0			
Glass Solar	3,305	0	17	3,754	30	0	0	0.00	0	0	0.00						
Glass/Door Cond	379	0	2	276	2	-972	-972	7.07	-972	-972	7.07						
Wall Cond	653	77	4	684	5	-528	-590	4.30	-528	-590	4.30						
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00						
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00						
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00						
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00						
Sub Total ==>	4,337	1,127	5,464	28	4,714	37	-1,500	18.86	-1,500	-2,590	18.86						
Internal Loads					Internal Loads										AIRFLOWS		
Lights	1,269	0	6	1,269	10	0	0	0.00	0	0	0.00	Diffuser	587	587			
People	8,345	0	43	5,112	40	0	0	0.00	0	0	0.00	Terminal	587	587			
Misc	1,410	0	7	1,410	11	0	0	0.00	0	0	0.00	Main Fan	587	587			
Sub Total ==>	11,024	0	56	7,790	61	0	0	0.00	0	0	0.00	Sec Fan	0	0			
Ceiling Load	206	-206	0	171	1	-198	0	0.00	-198	0	0.00	Nom Vent	132	132			
Ventilation Load	0	0	9	0	0	0	-6,899	50.23	0	-6,899	50.23	AHU Vent	132	132			
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	Infil	0	0			
Dehumid. Ov Sizing	0	0	0	0	0	-4,471	-4,471	32.55	-4,471	-4,471	32.55	MinStop/Rh	0	0			
Ov/Undr Sizing	0	0	0	0	0	0	194	-1.41	0	0	0.00	Return	587	587			
Exhaust Heat	0	-319	-2	0	0	0	0	0.00	0	0	0.00	Exhaust	132	132			
Sup. Fan Heat	0	1,032	5	0	0	0	0	0.00	0	0	0.00	Rm Exh	0	0			
Ret. Fan Heat	0	521	3	0	0	0	0	0.00	0	0	0.00	Auxiliary	0	0			
Duct Heat Pkup	0	0	0	0	0	0	31	-0.23	0	0	0.00	Leakage Dwn	0	0			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00						
Grand Total ==>	15,567	1,123	19,563	100.00	12,676	100.00	-6,168	100.00	-6,168	-13,735	100.00	ENGINEERING CKS					
												% OA	22.5	22.5			
												cfm/ft²	1.28	1.28			
												cfm/ton	312.85				
												ft²/ton	244.83				
												Btu/hr-ft²	49.01	-37.40			
												No. People	20.9	45.5/1000 ft²			

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	1.9	22.5	17.2	587	81.0	62.3	56.8	53.4	48.4	44.3	Floor	459		Main Htg	-17.2	587	58.1	79.7	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	0							
Total	1.9	22.5									Roof	459	0	Humidif	0.0	0	0.0	0.0	
											Wall	225	36	Opt Vent	0.0	0	0.0	0.0	
											Ext Door	0	0	Total	-17.2				

Room Checksums

By MFIA Inc.

215 SMALL GROUP

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 8 / 16		Mo/Hr: 9 / 16		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 94 / 65 / 49		OADB: 89		OADB: 22			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return <th>Ret/OA <th>Fn MtrTD <th>Fn BldTD <th>Fn Frict </th></th></th></th>	Ret/OA <th>Fn MtrTD <th>Fn BldTD <th>Fn Frict </th></th></th>	Fn MtrTD <th>Fn BldTD <th>Fn Frict </th></th>	Fn BldTD <th>Fn Frict </th>	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens		Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	
Envelope Loads				Envelope Loads										
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
Roof Cond	0	606	5	0	0	0	-594	6.67	0	0	0	0	0	
Glass Solar	3,305	0	25	3,754	41	0	0	0.00	0	0	0	0	0	
Glass/Door Cond	379	0	3	276	3	-972	-972	10.92	0	0	0	0	0	
Wall Cond	416	54	4	435	5	-336	-379	4.27	0	0	0	0	0	
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
Floor	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
Sub Total ==>	4,099	660	36	4,466	49	-1,307	-1,944	21.86						
Internal Loads				Internal Loads										
Lights	733	0	6	733	8	0	0	0.00	0	0	0	0	0	
People	4,818	0	37	2,951	33	0	0	0.00	0	0	0	0	0	
Misc	814	0	6	814	9	0	0	0.00	0	0	0	0	0	
Sub Total ==>	6,365	0	49	4,498	50	0	0	0.00						
Ceiling Load	119	-119	0	99	1	-114	0	0.00						
Ventilation Load	0	0	1,062	0	0	0	-3,980	44.75						
Adj Air Trans Heat	0	0	0	0	0	0	0	0						
Dehumid. Ov Sizing	0	0	0	0	0	-2,988	-2,988	33.60						
Ov/Undr Sizing	0	0	0	0	0	0	112	-1.26						
Exhaust Heat	0	-184	-1	0	0	0	0	0.00						
Sup. Fan Heat	0	738	6	0	0	0	0	0.00						
Ret. Fan Heat	0	373	3	0	0	0	0	0.00						
Duct Heat Pkup	0	0	0	0	0	0	-93	1.04						
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00						
Supply Air Leakage	0	0	0	0	0	0	0	0.00						
Grand Total ==>	10,583	730	100.00	9,062	100.00	-4,410	-8,894	100.00						

AIRFLOWS		
	Cooling	Heating
Diffuser	419	419
Terminal	419	419
Main Fan	419	419
Sec Fan	0	0
Nom Vent	76	76
AHU Vent	76	76
Infil	0	0
MinStop/Rh	0	0
Return	419	419
Exhaust	76	76
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	18.1	18.1
cfm/ft²	1.58	1.58
cfm/ton	333.68	
ft²/ton	210.89	
Btu/hr-ft²	56.90	-41.95
No. People	12.0	45.5/1000 ft²

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	°F	gr/lb
Main Clg	1.3	15.1	11.8	419	80.3	62.2	57.2	53.4	49.2	47.0
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	1.3	15.1								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	265		
Part	0		
Int Door	0		
ExFlr	0		
Roof	265	0	0
Wall	157	36	23
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	-11.1	419	60.1	79.7
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	-11.1			

Room Checksums

By MFIA Inc.

216 STOR

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 12		Mo/Hr: Heating Design						Cooling			Heating			
Outside Air:		OADB/WB/HR: 95 / 66 / 54			OADB: 87		OADB: 22						SADB			Ra Plenum			
	Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Return	Fn MtrTD	Fn BldTD	Fn Frict			
	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	Btu/h	Btu/h			
Envelope Loads					Envelope Loads										AIRFLOWS				
Skylite Solar	0	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	22	22				
Skylite Cond	0	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	22	22				
Roof Cond	0	180	180	23	0	0	0	-148	31.50	0	0	0.00	Main Fan	22	22				
Glass Solar	0	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0				
Glass/Door Cond	0	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	4	4				
Wall Cond	0	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	4	4				
Partition/Door	0	0	0	0	0	0	0	0	0.00	0	0	0.00	Infil	0	0				
Floor	0	0	0	0	0	0	0	0	0.00	0	0	0.00	MinStop/Rh	0	0				
Adjacent Floor	0	0	0	0	0	0	0	0	0.00	0	0	0.00	Return	22	22				
Infiltration	0	0	0	0	0	0	0	0	0.00	0	0	0.00	Exhaust	4	4				
Sub Total ==>	0	180	180	23	0	0	0	-148	31.50	0	0	0.00	Rm Exh	0	0				
Internal Loads					Internal Loads										ENGINEERING CKS				
Lights	177	0	177	23	192	40	0	0	0.00	0	0	0.00	% OA	18.1	18.1				
People	95	0	95	12	48	10	0	0	0.00	0	0	0.00	cfm/ft²	0.34	0.34				
Misc	199	0	199	26	214	45	0	0	0.00	0	0	0.00	cfm/ton	298.95					
Sub Total ==>	471	0	471	61	454	95	0	0	0.00	0	0	0.00	ft²/ton	890.06					
Ceiling Load	30	-30	0	0	25	5	-28	0	0.00	-28	0	0.00	Btu/hr-ft²	13.48	-8.89				
Ventilation Load	0	0	73	9	0	0	0	-209	44.65	0	-209	44.65	No. People	0.2	3.3/1000 ft²				
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	0							
Dehumid. Ov Sizing			0	0			Ov/Undr Sizing	-204	43.61	-204	-204	43.61							
Ov/Undr Sizing	0	0	0	0	0	0	Exhaust Heat	6	-1.25	6	-1.25								
Exhaust Heat		-10	-10	-1			OA Preheat Diff.	0	0.00	0	0.00								
Sup. Fan Heat			39	5			RA Preheat Diff.	0	0.00	0	0.00								
Ret. Fan Heat		20	20	3			Additional Reheat	0	0.00	0	0.00								
Duct Heat Pkup		0	0	0			System Plenum Heat	87	-18.51	87	-18.51								
Underflr Sup Ht Pkup			0	0			Underflr Sup Ht Pkup	0	0.00	0	0.00								
Supply Air Leakage		0	0	0			Supply Air Leakage	0	0.00	0	0.00								
Grand Total ==>	501	160	773	100.00	478	100.00	Grand Total ==>	-233	100.00	-469	100.00								

COOLING COIL SELECTION											AREAS				HEATING COIL SELECTION				
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass			Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft² (%)	MBh	cfm	°F	°F			
Main Clg	0.1	0.9	0.7	22	80.4	62.4	58.1	53.4	47.8	42.1	Floor	66		-0.6	22	60.1	79.7		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		0.0	0	0.0	0.0		
											ExFlr	0		0.0	0	0.0	0.0		
Total	0.1	0.9									Roof	66	0	0.0	0	0.0	0.0		
											Wall	0	0	0.0	0	0.0	0.0		
											Ext Door	0	0	0.0	0	0.0	0.0		
														Total	-0.6				

Room Checksums

By MFIA Inc.

217 LARGE GROUP

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES					
Peaked at Time:		Mo/Hr: 8 / 16			Mo/Hr: 9 / 16		Mo/Hr: Heating Design						Cooling			Heating				
Outside Air:		OADB/WB/HR: 94 / 65 / 49			OADB: 89		OADB: 22						SADB			Ra Plenum				
	Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Return	Fn MtrTD	Fn BldTD	Fn Frict				
	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	Btu/h	Btu/h				
Envelope Loads					Envelope Loads										AIRFLOWS					
Skylite Solar	0	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	570	570					
Skylite Cond	0	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	570	570					
Roof Cond	0	999	999	5	0	0	0	0	7.41	-979	-979	7.41	Main Fan	570	570					
Glass Solar	3,305	0	3,305	17	3,754	30	0	0	0.00	0	0	0.00	Sec Fan	0	0					
Glass/Door Cond	379	0	379	2	276	2	-972	-972	7.36	-972	-972	7.36	Nom Vent	126	126					
Wall Cond	670	79	749	4	702	6	-542	-605	4.58	-542	-605	4.58	AHU Vent	126	126					
Partition/Door	0	0	0	0	0	0	0	0	0.00	0	0	0.00	Infil	0	0					
Floor	0	0	0	0	0	0	0	0	0.00	0	0	0.00	MinStop/Rh	0	0					
Adjacent Floor	0	0	0	0	0	0	0	0	0.00	0	0	0.00	Return	570	570					
Infiltration	0	0	0	0	0	0	0	0	0.00	0	0	0.00	Exhaust	126	126					
Sub Total ==>	4,354	1,078	5,433	29	4,733	38	-1,513	-2,556	19.35	-1,513	-2,556	19.35	Rm Exh	0	0					
Internal Loads					Internal Loads										ENGINEERING CKS					
Lights	1,208	0	1,208	6	1,208	10	0	0	0.00	0	0	0.00	% OA	22.0	22.0					
People	7,945	0	7,945	42	4,867	40	0	0	0.00	0	0	0.00	cfm/ft²	1.30	1.30					
Misc	1,342	0	1,342	7	1,342	11	0	0	0.00	0	0	0.00	cfm/ton	314.79						
Sub Total ==>	10,496	0	10,496	56	7,417	60	0	0	0.00	0	0	0.00	ft²/ton	241.47						
Grand Total ==>	15,046	1,085	18,885	100.00	12,313	100.00	-5,991	-13,208	100.00	-5,991	-13,208	100.00	Btu/hr-ft²	49.70	-37.78					
															No. People					
															19.9			45.5/1000 ft²		

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	1.8	21.7	16.7	570	81.0	62.3	56.8	53.4	48.5	44.5	Floor	437		Main Htg	-16.5	570	58.3	79.7	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	0							
Total	1.8	21.7									Roof	437	0	0	Humidif	0.0	0	0.0	0.0
											Wall	230	36	16	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	Total	-16.5			

Room Checksums

By MFIA Inc.

218 ELECT

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES				
Peaked at Time:		Mo/Hr: 0 / 0		Mo/Hr: 0 / 0		Mo/Hr: Heating Design			Cooling		Heating	SADB	0.0	70.0	
Outside Air:		OADB/WB/HR: 0 / 0 / 0		OADB: 0		OADB: 22			Ra Plenum		0.0	67.6	Return	0.0	70.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Ret/OA <th>Fn MtrTD <th>Fn BldTD <th>Fn Frict <td colspan="2"></td> </th></th></th>	Fn MtrTD <th>Fn BldTD <th>Fn Frict <td colspan="2"></td> </th></th>	Fn BldTD <th>Fn Frict <td colspan="2"></td> </th>	Fn Frict <td colspan="2"></td>			
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Tot Sens Btu/h		0.0	0.0	0.0	0.0			
Envelope Loads				Envelope Loads							AIRFLOWS				
Skylite Solar	0	0	0	0	0	0	0	0.00	Diffuser		0	0			
Skylite Cond	0	0	0	0	0	0	0	0.00	Terminal		0	0			
Roof Cond	0	0	0	0	0	0	-229	291.98	Main Fan		0	0			
Glass Solar	0	0	0	0	0	0	0	0.00	Sec Fan		0	0			
Glass/Door Cond	0	0	0	0	0	0	0	0.00	Nom Vent		0	0			
Wall Cond	0	0	0	0	0	0	0	0.00	AHU Vent		0	0			
Partition/Door	0	0	0	0	0	0	0	0.00	Infil		0	0			
Floor	0	0	0	0	0	0	0	0.00	MinStop/Rh		0	0			
Adjacent Floor	0	0	0	0	0	0	0	0.00	Return		0	0			
Infiltration	0	0	0	0	0	0	0	0.00	Exhaust		0	0			
Sub Total ==>	0	0	0	0	0	0	-229	291.98	Rm Exh		0	0			
Internal Loads				Internal Loads							ENGINEERING CKS				
Lights	0	0	0	0	0	0	0	0.00	% OA		0.0	0.0			
People	0	0	0	0	0	0	0	0.00	cfm/ft²		0.00	0.00			
Misc	0	0	0	0	0	0	0	0.00	cfm/ton		0.00	0.00			
Sub Total ==>	0	0	0	0	0	0	0	0.00	ft²/ton		0.00	0.00			
Ceiling Load	0	0	0	0	0	0	-78	0.00	Btu/hr-ft²		0.00	0.00			
Ventilation Load	0	0	0	0	0	0	0	0.00	No. People		0.3	3.3/1000 ft²			
Adj Air Trans Heat	0	0	0	0	0	0	0	0							
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00							
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00							
Exhaust Heat	0	0	0	0	0	0	0	0.00							
Sup. Fan Heat	0	0	0	0	0	0	0	0.00							
Ret. Fan Heat	0	0	0	0	0	0	0	0.00							
Duct Heat Pkup	0	0	0	0	0	0	150	-191.98							
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00							
Supply Air Leakage	0	0	0	0	0	0	0	0.00							
Grand Total ==>	0	0	0	100.00	0	100.00	-78	-78	100.00						

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION			
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F
Main Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Floor	104	0.0	0	70.0	70.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	0.0	0	0.0	0.0
											ExFlr	0	0.0	0	0.0	0.0
Total	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Roof	104	0.0	0	0.0	0.0
											Wall	0	0	0	0.0	0.0
											Ext Door	0	0	0	0.0	0.0
											Total	0.0	0.0	0	0.0	0.0

Room Checksums

By MFIA Inc.

219 IT

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 9 / 16		Mo/Hr: 9 / 16		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 89 / 62 / 41		OADB: 89		OADB: 22			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return <th>Ret/OA <th>Fn MtrTD <th>Fn BldTD <th>Fn Frict </th></th></th></th>	Ret/OA <th>Fn MtrTD <th>Fn BldTD <th>Fn Frict </th></th></th>	Fn MtrTD <th>Fn BldTD <th>Fn Frict </th></th>	Fn BldTD <th>Fn Frict </th>	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens							
Envelope Loads				Envelope Loads										
Skylite Solar	0	0	0	0	0	0	0	0.00						
Skylite Cond	0	0	0	0	0	0	0	0.00						
Roof Cond	0	249	4	0	0	0	-310	7.41						
Glass Solar	3,754	0	3,754	60	3,754	71	0	0.00						
Glass/Door Cond	276	0	276	4	276	5	-972	23.24						
Wall Cond	290	42	332	5	290	5	-224	6.13						
Partition/Door	0	0	0	0	0	0	0	0.00						
Floor	0	0	0	0	0	0	0	0.00						
Adjacent Floor	0	0	0	0	0	0	0	0.00						
Infiltration	0	0	0	0	0	0	0	0.00						
Sub Total ==>	4,320	291	4,611	73	4,320	82	-1,195	36.77						
Internal Loads				Internal Loads										
Lights	382	0	382	6	382	7	0	0.00						
People	207	0	207	3	115	2	0	0.00						
Misc	425	0	425	7	425	8	0	0.00						
Sub Total ==>	1,015	0	1,015	16	922	17	0	0.00						
Ceiling Load	62	-62	0	0	52	1	-60	0.00						
Ventilation Load	0	0	78	1	0	0	-1,281	30.65						
Adj Air Trans Heat	0	0	0	0	0	0	0	0						
Dehumid. Ov Sizing	0	0	0	0	0	0	-1,321	31.60						
Ov/Undr Sizing	0	0	0	0	0	0	36	-0.86						
Exhaust Heat	0	-59	-59	-1	0	0	0	0.00						
Sup. Fan Heat	0	0	431	7	0	0	0	0.00						
Ret. Fan Heat	0	218	218	3	0	0	0	0.00						
Duct Heat Pkup	0	0	0	0	0	0	-77	1.84						
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00						
Supply Air Leakage	0	0	0	0	0	0	0	0.00						
Grand Total ==>	5,397	388	6,293	100.00	5,294	100.00	-2,576	-4,181	100.00					

AIRFLOWS		
	Cooling	Heating
Diffuser	245	245
Terminal	245	245
Main Fan	245	245
Sec Fan	0	0
Nom Vent	25	25
AHU Vent	25	25
Infil	0	0
MinStop/Rh	0	0
Return	245	245
Exhaust	25	25
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	10.0	10.0
cfm/ft²	1.77	1.77
cfm/ton	406.17	
ft²/ton	229.30	
Btu/hr-ft²	52.33	-37.79
No. People	0.5	3.3/1000 ft²

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	°F	gr/lb
Main Clg	0.6	7.2	6.5	245	78.4	61.5	57.2	53.4	51.0	53.5
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	0.6	7.2								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	138		
Part	0		
Int Door	0		
ExFlr	0		
Roof	138	0	0
Wall	118	36	30
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	-5.2	245	63.9	79.7
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-5.2			

Room Checksums

By MFIA Inc.

220 RECEPTION

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 17		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 95 / 66 / 54		OADB: 92		OADB: 22						SADB	55.0	80.6
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	76.6	68.5
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	77.4	68.5
Envelope Loads				Envelope Loads								Ret/OA	81.5	57.4
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	1,157	19	0	0	0	-951	22.14	0	0	0.00	Fn Frict	1.1	0.0
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00			
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00			
Wall Cond	148	14	3	188	5	-159	-174	4.05	0	0	0.00			
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00			
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00			
<i>Sub Total ==></i>	148	1,171	21	188	5	-159	-1,124	26.20						
Internal Loads				Internal Loads								AIRFLOWS		
Lights	1,144	0	19	1,226	33	0	0	0.00	0	0	0.00	Cooling	Heating	
People	1,288	0	21	744	20	0	0	0.00	0	0	0.00	Diffuser	171	171
Misc	1,286	0	21	1,370	37	0	0	0.00	0	0	0.00	Terminal	171	171
<i>Sub Total ==></i>	3,718	0	60	3,340	90	0	0	0.00	0	0	0.00	Main Fan	171	171
												Sec Fan	0	0
												Nom Vent	40	40
												AHU Vent	40	40
												Infil	0	0
												MinStop/Rh	0	0
												Return	171	171
												Exhaust	40	40
												Rm Exh	0	0
												Auxiliary	0	0
												Leakage Dwn	0	0
												Leakage Ups	0	0
												ENGINEERING CKS		
												Cooling	Heating	
												% OA	23.6	23.6
												cfm/ft²	0.40	0.40
												cfm/ton	290.04	
												ft²/ton	720.22	
												Btu/hr-ft²	16.66	-12.60
												No. People	3.0	7.0/1000 ft²
Grand Total ==>	4,083	1,001	100.00	3,706	100.00	Grand Total ==>	-1,966	-4,293	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	ft² (%)	Capacity	Coil Airflow	Ent °F	Lvg °F
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F							
Main Clg	0.6	7.1	5.7	171	81.5	62.4	56.6	53.4	47.4	40.4	Floor	426	Main Htg	-5.4	171	57.4	80.6
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
											ExFlr	0					
Total	0.6	7.1									Roof	426	Humidif	0.0	0	0.0	0.0
											Wall	56	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	Total	-5.4			

Room Checksums

By MFIA Inc.

220A WOMENS

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 9 / 16		Mo/Hr: 9 / 16		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 89 / 62 / 41		OADB: 89		OADB: 22						SADB	55.0	80.6
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	76.6	68.5
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	77.4	68.5
Envelope Loads				Envelope Loads								Ret/OA	78.7	63.4
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	118	118	2	0	0	-144	3.65	0	0	0.00	Fn Frict	1.1	0.0
Glass Solar	3,678	0	3,678	69	3,678	81	0	0.00	0	0	0.00			
Glass/Door Cond	274	0	274	5	274	6	-972	24.73	-972	-972	24.73			
Wall Cond	153	28	181	3	153	3	-124	3.74	-124	-147	3.74			
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00			
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00			
<i>Sub Total ==></i>	4,105	147	4,252	80	4,105	90	-1,096	32.12	-1,096	-1,262	32.12			
Internal Loads				Internal Loads								AIRFLOWS		
Lights	174	0	174	3	174	4	0	0.00	0	0	0.00	Diffuser	211	211
People	94	0	94	2	51	1	0	0.00	0	0	0.00	Terminal	211	211
Misc	195	0	195	4	195	4	0	0.00	0	0	0.00	Main Fan	211	211
<i>Sub Total ==></i>	464	0	464	9	421	9	0	0.00	0	0	0.00	Sec Fan	0	0
Ceiling Load	33	-33	0	0	27	1	-31	0.00	-31	0	0.00	Nom Vent	23	23
Ventilation Load	0	0	100	2	0	0	0	30.75	0	-1,208	30.75	AHU Vent	23	23
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	Infil	0	0
Dehumid. Ov Sizing	0	0	0	0	0	0	-1,289	32.80	-1,289	-1,289	32.80	MinStop/Rh	0	0
Ov/Undr Sizing	0	0	0	0	0	0	38	-0.96	0	0	0.00	Return	211	211
Exhaust Heat	0	-61	-61	-1	0	0	0	0.00	0	0	0.00	Exhaust	23	23
Sup. Fan Heat	0	371	371	7	0	0	0	0.00	0	0	0.00	Rm Exh	0	0
Ret. Fan Heat	0	187	187	4	0	0	0	0.00	0	0	0.00	Auxiliary	0	0
Duct Heat Pkup	0	0	0	0	0	0	-208	5.29	0	0	0.00	Leakage Dwn	0	0
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<i>Grand Total ==></i>	4,602	240	5,313	100.00	4,553	100.00	-2,415	100.00	-2,415	-3,929	100.00	ENGINEERING CKS		
												% OA	11.0	11.0
												cfm/ft²	3.28	3.28
												cfm/ton	413.71	
												ft²/ton	126.28	
												Btu/hr-ft²	95.03	-76.39
												No. People	0.2	3.3/1000 ft²

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F	
Main Clg	0.5	6.1	5.5	211	78.7	61.2	55.5	53.4	50.8	53.0	Floor	64	Main Htg	-4.9	211	63.4	80.6
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
											ExFlr	0	Humidif	0.0	0	0.0	0.0
Total	0.5	6.1									Roof	64	Opt Vent	0.0	0	0.0	0.0
											Wall	83	Total	-4.9			
											Ext Door	0					

Room Checksums

By MFIA Inc.

220B MENS

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 9 / 16		Mo/Hr: 9 / 16		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 89 / 62 / 41		OADB: 89		OADB: 22						SADB	55.0	80.6
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	76.6	68.5
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	77.4	68.5
Envelope Loads				Envelope Loads								Ret/OA	78.7	63.5
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	109	4	0	0	0	-133	5.99	0	0	0.00	Fn Frict	1.1	0.0
Glass Solar	1,839	0	60	1,839	71	0	0	0.00	0	0	0.00	AIRFLOWS		
Glass/Door Cond	137	0	4	137	5	-486	-486	21.95	-486	-486	21.95	Diffuser	120	120
Wall Cond	201	26	7	201	8	-163	-184	8.31	-163	-184	8.31	Terminal	120	120
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	120	120
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	13	13
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	13	13
Sub Total ==>	2,177	136	75	2,177	84	-649	-802	36.26	-649	-802	36.26	Infil	0	0
Internal Loads				Internal Loads								MinStop/Rh	0	0
Lights	161	0	5	161	6	0	0	0.00	0	0	0.00	Return	120	120
People	87	0	3	47	2	0	0	0.00	0	0	0.00	Exhaust	13	13
Misc	181	0	6	181	7	0	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	429	0	14	389	15	0	0	0.00	0	0	0.00	Auxiliary	0	0
Ceiling Load				Ceiling Load								Leakage Dwn	0	0
Ventilation Load	0	-30	0	25	1	-28	0	0.00	-28	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	-664	30.01	0	0	0	ENGINEERING CKS		
Dehumid. Ov Sizing	0	0	0	0	0	-697	-697	31.50	-697	-697	31.50	% OA	10.6	10.6
Ov/Undr Sizing	0	0	0	0	0	0	21	-0.94	0	0	0.00	cfm/ft²	2.02	2.02
Exhaust Heat	-33	-33	-1	0	0	0	0	0.00	0	0	0.00	cfm/ton	406.05	
Sup. Fan Heat	211	211	7	0	0	0	0	0.00	0	0	0.00	ft²/ton	201.30	
Ret. Fan Heat	107	107	3	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	59.61	-46.56
Duct Heat Pkup	0	0	0	0	0	0	-70	3.17	0	0	0.00	No. People	0.2	3.3/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	2,636	179	100.00	2,591	100.00	-1,374	-2,213	100.00	-1,374	-2,213	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F	
Main Clg	0.3	3.5	3.2	120	78.7	61.2	55.6	53.4	50.6	52.2	Floor	59	Main Htg	-2.8	120	63.5	80.6
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
											ExFlr	0	Humidif	0.0	0	0.0	0.0
Total	0.3	3.5									Roof	59	0	0	0	0.0	0.0
											Wall	77	18	23	0	0.0	0.0
											Ext Door	0	0	0	0	0.0	0.0
													Total	-2.8			

Room Checksums

By MFIA Inc.

221 LARGE GROUP

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 8 / 16		Mo/Hr: 9 / 16		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 94 / 65 / 49		OADB: 89		OADB: 22			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return <th>Ret/OA <th>Fn MtrTD <th>Fn BldTD <th>Fn Frict </th></th></th></th>	Ret/OA <th>Fn MtrTD <th>Fn BldTD <th>Fn Frict </th></th></th>	Fn MtrTD <th>Fn BldTD <th>Fn Frict </th></th>	Fn BldTD <th>Fn Frict </th>	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens							
Envelope Loads				Envelope Loads										
Skylite Solar	0	0	0	0	0	0	0	0.00						
Skylite Cond	0	0	0	0	0	0	0	0.00						
Roof Cond	0	1,043	1,043	5	0	0	-1,023	6.58						
Glass Solar	4,957	0	4,957	23	5,632	39	0	0.00						
Glass/Door Cond	569	0	569	3	414	3	-1,457	9.38						
Wall Cond	587	77	664	3	615	4	-475	3.46						
Partition/Door	0	0	0	0	0	0	0	0.00						
Floor	0	0	0	0	0	0	0	0.00						
Adjacent Floor	0	0	0	0	0	0	0	0.00						
Infiltration	0	0	0	0	0	0	0	0.00						
Sub Total ==>	6,113	1,121	7,234	33	6,661	46	-1,932	19.42						
Internal Loads				Internal Loads										
Lights	1,266	0	1,266	6	1,266	9	0	0.00						
People	8,327	0	8,327	38	5,100	35	0	0.00						
Misc	1,407	0	1,407	6	1,407	10	0	0.00						
Sub Total ==>	11,000	0	11,000	51	7,773	53	0	0.00						
Ceiling Load	233	-233	0	0	191	1	-219	0.00						
Ventilation Load	0	0	1,991	9	0	0	-6,883	44.32						
Adj Air Trans Heat	0	0	0	0	0	0	0	0						
Dehumid. Ov Sizing	0	0	0	0	0	0	-5,608	36.11						
Ov/Undr Sizing	0	0	0	0	0	0	215	-1.38						
Exhaust Heat	0	-346	-346	-2	0	0	0	0.00						
Sup. Fan Heat	0	1,191	1,191	5	0	0	0	0.00						
Ret. Fan Heat	0	602	602	3	0	0	0	0.00						
Duct Heat Pkup	0	0	0	0	0	0	-238	1.53						
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00						
Supply Air Leakage	0	0	0	0	0	0	0	0.00						
Grand Total ==>	17,347	1,143	21,672	100.00	14,625	100.00	-7,759	-15,531	100.00					

AIRFLOWS		
	Cooling	Heating
Diffuser	677	677
Terminal	677	677
Main Fan	677	677
Sec Fan	0	0
Nom Vent	132	132
AHU Vent	132	132
Infil	0	0
MinStop/Rh	0	0
Return	677	677
Exhaust	132	132
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	19.4	19.4
cfm/ft²	1.48	1.48
cfm/ton	325.82	
ft²/ton	220.52	
Btu/hr-ft²	54.42	-42.39
No. People	20.8	45.5/1000 ft²

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	°F	gr/lb
Main Clg	2.1	24.9	19.2	677	80.7	62.0	55.7	53.4	48.6	44.8
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	2.1	24.9								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	458		
Part	0		
Int Door	0		
ExFlr	0		
Roof	458	0	0
Wall	226	54	24
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	-19.4	677	59.4	80.6
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	-19.4			

Room Checksums

By MFIA Inc.

222 STOR

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 16			Mo/Hr: 8 / 17		Mo/Hr: Heating Design						Cooling	Heating			
Outside Air:		OADB/WB/HR: 94 / 66 / 53			OADB: 92		OADB: 22						SADB	55.0	80.6		
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	76.6	68.5			
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	77.4	68.5			
Envelope Loads					Envelope Loads										Ret/OA	79.7	62.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0			
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0			
Roof Cond	0	306	306	18	0	0	-274	25.54	0	0	0.00	Fn Frict	1.1	0.0			
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00						
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00						
Wall Cond	225	22	247	14	251	22	-202	20.60	-202	-221	46.14						
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00						
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00						
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00						
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00						
Sub Total ==>	225	328	552	32	251	22	-202	46.14	-202	-496	46.14						
Internal Loads					Internal Loads										AIRFLOWS		
Lights	340	0	340	20	354	31	0	0.00	0	0	0.00	Diffuser	53	53			
People	184	0	184	11	102	9	0	0.00	0	0	0.00	Terminal	53	53			
Misc	378	0	378	22	395	34	0	0.00	0	0	0.00	Main Fan	53	53			
Sub Total ==>	902	0	902	53	852	74	0	0.00	0	0	0.00	Sec Fan	0	0			
Lighting	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	7	7			
Equipment	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	7	7			
Internal Gains	0	0	0	0	0	0	0	0.00	0	0	0.00	Infil	0	0			
Sub Total ==>	0	0	0	0	0	0	0	0.00	0	0	0.00	MinStop/Rh	0	0			
Roof	0	0	0	0	0	0	0	0.00	0	0	0.00	Return	53	53			
Wall	0	0	0	0	0	0	0	0.00	0	0	0.00	Exhaust	7	7			
Window	0	0	0	0	0	0	0	0.00	0	0	0.00	Rm Exh	0	0			
Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Auxiliary	0	0			
Other	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Dwn	0	0			
Sub Total ==>	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0			
Roof	0	0	0	0	0	0	0	0.00	0	0	0.00						
Wall	0	0	0	0	0	0	0	0.00	0	0	0.00						
Window	0	0	0	0	0	0	0	0.00	0	0	0.00						
Door	0	0	0	0	0	0	0	0.00	0	0	0.00						
Other	0	0	0	0	0	0	0	0.00	0	0	0.00						
Sub Total ==>	0	0	0	0	0	0	0	0.00	0	0	0.00						
Roof	0	0	0	0	0	0	0	0.00	0	0	0.00						
Wall	0	0	0	0	0	0	0	0.00	0	0	0.00						
Window	0	0	0	0	0	0	0	0.00	0	0	0.00						
Door	0	0	0	0	0	0	0	0.00	0	0	0.00						
Other	0	0	0	0	0	0	0	0.00	0	0	0.00						
Sub Total ==>	0	0	0	0	0	0	0	0.00	0	0	0.00						
Roof	0	0	0	0	0	0	0	0.00	0	0	0.00						
Wall	0	0	0	0	0	0	0	0.00	0	0	0.00						
Window	0	0	0	0	0	0	0	0.00	0	0	0.00						
Door	0	0	0	0	0	0	0	0.00	0	0	0.00						
Other	0	0	0	0	0	0	0	0.00	0	0	0.00						
Sub Total ==>	0	0	0	0	0	0	0	0.00	0	0	0.00						
Roof	0	0	0	0	0	0	0	0.00	0	0	0.00						
Wall	0	0	0	0	0	0	0	0.00	0	0	0.00						
Window	0	0	0	0	0	0	0	0.00	0	0	0.00						
Door	0	0	0	0	0	0	0	0.00	0	0	0.00						
Other	0	0	0	0	0	0	0	0.00	0	0	0.00						
Sub Total ==>	0	0	0	0	0	0	0	0.00	0	0	0.00						
Roof	0	0	0	0	0	0	0	0.00	0	0	0.00						
Wall	0	0	0	0	0	0	0	0.00	0	0	0.00						
Window	0	0	0	0	0	0	0	0.00	0	0	0.00						
Door	0	0	0	0	0	0	0	0.00	0	0	0.00						
Other	0	0	0	0	0	0	0	0.00	0	0	0.00						
Sub Total ==>	0	0	0	0	0	0	0	0.00	0	0	0.00						
Roof	0	0	0	0	0	0	0	0.00	0	0	0.00						
Wall	0	0	0	0	0	0	0	0.00	0	0	0.00						
Window	0	0	0	0	0	0	0	0.00	0	0	0.00						
Door	0	0	0	0	0	0	0	0.00	0	0	0.00						
Other	0	0	0	0	0	0	0	0.00	0	0	0.00						
Sub Total ==>	0	0	0	0	0	0	0	0.00	0	0	0.00						
Roof	0	0	0	0	0	0	0	0.00	0	0	0.00						
Wall	0	0	0	0	0	0	0	0.00	0	0	0.00						
Window	0	0	0	0	0	0	0	0.00	0	0	0.00						
Door	0	0	0	0	0	0	0	0.00	0	0	0.00						
Other	0	0	0	0	0	0	0	0.00	0	0	0.00						
Sub Total ==>	0	0	0	0	0	0	0	0.00	0	0	0.00						
Roof	0	0	0	0	0	0	0	0.00	0	0	0.00						
Wall	0	0	0	0	0	0	0	0.00	0	0	0.00						
Window	0	0	0	0	0	0	0	0.00	0	0	0.00						
Door	0	0	0	0	0	0	0	0.00	0	0	0.00						
Other	0	0	0	0	0	0	0	0.00	0	0	0.00						
Sub Total ==>	0	0	0	0	0	0	0	0.00	0	0	0.00						
Roof	0	0	0	0	0	0	0	0.00	0	0	0.00						
Wall	0	0	0	0	0	0	0	0.00	0	0	0.00						
Window	0	0	0	0	0	0	0	0.00	0	0	0.00						
Door	0	0	0	0	0	0	0	0.00	0	0	0.00						
Other	0	0	0	0	0	0	0	0.00	0	0	0.00						
Sub Total ==>	0	0	0	0	0	0	0	0.00	0	0	0.00						
Roof	0	0	0	0	0	0	0	0.00	0	0	0.00						
Wall	0	0	0	0	0	0	0	0.00	0	0	0.00						
Window	0	0	0	0	0	0	0	0.00	0	0	0.00						
Door	0	0	0	0	0	0	0	0.00	0	0	0.00						
Other	0	0	0	0	0	0	0	0.00	0	0	0.00						
Sub Total ==>	0	0	0	0	0	0	0	0.00	0	0	0.00						
Roof	0	0	0	0	0	0	0	0.00	0	0	0.00						
Wall	0	0	0	0	0	0	0	0.00	0	0	0.00						
Window	0	0	0	0	0	0	0	0.00	0	0	0.00						
Door	0	0	0	0	0	0	0	0.00	0	0	0.00						
Other	0	0	0	0	0	0	0	0.00	0	0	0.00						
Sub Total ==>	0	0	0	0	0	0	0	0.00	0	0	0.00						
Roof	0	0	0	0	0	0	0	0.00	0	0	0.00						
Wall	0	0	0	0	0	0	0	0.00	0	0	0.00						
Window	0	0	0	0	0	0	0	0.00	0	0	0.00						
Door	0	0	0	0	0	0	0	0.00	0	0	0.00						
Other	0	0	0	0	0	0	0	0.00	0	0	0.00						
Sub Total ==>	0	0	0	0	0	0	0	0.00	0	0	0.00						
Roof	0	0	0	0	0	0	0	0.00	0	0	0.00						
Wall	0	0	0	0	0	0	0	0.00	0	0	0.00						
Window	0	0	0	0	0	0	0	0.00	0	0	0.00						
Door	0	0	0	0	0	0	0	0.00	0	0	0.00						
Other	0	0	0	0	0	0	0	0.00	0	0	0.00						
Sub Total ==>	0	0	0	0	0	0	0	0.00	0	0	0.00						
Roof	0	0	0	0	0	0	0	0.00	0	0	0.00						
Wall	0	0	0	0	0	0	0	0.00	0	0	0.00						
Window	0	0	0	0	0												

Room Checksums

By MFIA Inc.

223 SMALL GROUP

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 8 / 16		Mo/Hr: 9 / 16		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 94 / 65 / 49		OADB: 89		OADB: 22						SADB	55.0	80.6
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	76.6	68.5
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	77.4	68.5
Envelope Loads				Envelope Loads								Ret/OA	80.5	59.7
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	631	5	0	0	0	-618	6.43	0	0	0.00	Fn Frict	1.1	0.0
Glass Solar	3,305	0	24	3,754	41	0	0	0.00	0	0	0.00	AIRFLOWS		
Glass/Door Cond	379	0	3	276	3	-972	-972	10.10	0	0	0.00	Diffuser	426	426
Wall Cond	351	48	3	367	4	-284	-322	3.35	0	0	0.00	Terminal	426	426
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	426	426
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	80	80
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	80	80
Sub Total ==>	4,035	679	4,713	35	4,398	48	-1,255	19.88	-1,912	19.88		Infil	0	0
Internal Loads				Internal Loads								MinStop/Rh	0	0
Lights	766	0	6	766	8	0	0	0.00	0	0	0.00	Return	426	426
People	5,036	0	37	3,085	33	0	0	0.00	0	0	0.00	Exhaust	80	80
Misc	851	0	6	851	9	0	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	6,653	0	6,653	49	4,701	51	0	0.00	0	0	0.00	Auxiliary	0	0
Ceiling Load				Ceiling Load								Leakage Dwn	0	0
Ventilation Load	0	-141	0	116	1	-132	0	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	-4,163	43.29	0	0	0.00	ENGINEERING CKS		
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	18.7	18.7
Ov/Undr Sizing	0	0	0	0	0	-3,501	-3,501	36.40	0	0	0.00	cfm/ft²	1.54	1.54
Exhaust Heat	0	-209	-2	0	0	0	130	-1.35	0	0	0.00	cfm/ton	329.77	
Sup. Fan Heat	0	750	6	0	0	0	0	0.00	0	0	0.00	ft²/ton	214.25	
Ret. Fan Heat	0	379	3	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	56.01	-43.40
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	12.6	45.5/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	10,829	707	13,491	100.00	9,215	100.00	-4,888	100.00	-9,617	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	1.3	15.5	12.0	426	80.5	61.9	55.7	53.4	48.7	45.3	Floor	277	Main Htg	-12.0	426	59.7	80.6
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
											ExFlr	0	Humidif	0.0	0	0.0	0.0
Total	1.3	15.5									Roof	277	0	0	0.0	0.0	0.0
											Wall	139	36	26	0.0	0.0	0.0
											Ext Door	0	0	0	0.0	0.0	0.0
													Total	-12.0			

Room Checksums

By MFIA Inc.

224 CONFERENCE

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 8 / 16		Mo/Hr: 9 / 16		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 94 / 65 / 49		OADB: 89		OADB: 22			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return <th>Ret/OA <th>Fn MtrTD <th>Fn BldTD <th>Fn Frict </th></th></th></th>	Ret/OA <th>Fn MtrTD <th>Fn BldTD <th>Fn Frict </th></th></th>	Fn MtrTD <th>Fn BldTD <th>Fn Frict </th></th>	Fn BldTD <th>Fn Frict </th>	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens							
Envelope Loads				Envelope Loads										
Skylite Solar	0	0	0	0	0	0	0	0.00						
Skylite Cond	0	0	0	0	0	0	0	0.00						
Roof Cond	0	863	863	5	0	0	-846	6.90						
Glass Solar	3,305	0	3,305	20	3,754	34	0	0.00						
Glass/Door Cond	379	0	379	2	276	2	-972	7.93						
Wall Cond	473	59	532	3	495	4	-382	3.51						
Partition/Door	0	0	0	0	0	0	0	0.00						
Floor	0	0	0	0	0	0	0	0.00						
Adjacent Floor	0	0	0	0	0	0	0	0.00						
Infiltration	0	0	0	0	0	0	0	0.00						
Sub Total ==>	4,157	923	5,080	30	4,526	41	-1,354	18.34						
Internal Loads				Internal Loads										
Lights	1,048	0	1,048	6	1,048	9	0	0.00						
People	6,891	0	6,891	41	4,221	38	0	0.00						
Misc	1,164	0	1,164	7	1,164	10	0	0.00						
Sub Total ==>	9,103	0	9,103	54	6,433	58	0	0.00						
Ceiling Load	193	-193	0	0	158	1	-181	0.00						
Ventilation Load	0	0	1,648	10	0	0	-5,696	46.48						
Adj Air Trans Heat	0	0	0	0	0	0	0	0						
Dehumid. Ov Sizing	0	0	0	0	0	0	-4,362	35.60						
Ov/Undr Sizing	0	0	0	0	0	0	178	-1.45						
Exhaust Heat	0	-286	-286	-2	0	0	0	0.00						
Sup. Fan Heat	0	0	905	5	0	0	0	0.00						
Ret. Fan Heat	0	457	457	3	0	0	0	0.00						
Duct Heat Pkup	0	0	0	0	0	0	-126	1.03						
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00						
Supply Air Leakage	0	0	0	0	0	0	0	0.00						
Grand Total ==>	13,453	901	16,907	100.00	11,117	100.00	-5,897	-12,254	100.00					

AIRFLOWS		
	Cooling	Heating
Diffuser	514	514
Terminal	514	514
Main Fan	514	514
Sec Fan	0	0
Nom Vent	109	109
AHU Vent	109	109
Infil	0	0
MinStop/Rh	0	0
Return	514	514
Exhaust	109	109
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	21.2	21.2
cfm/ft²	1.36	1.36
cfm/ton	317.46	
ft²/ton	233.92	
Btu/hr-ft²	51.30	-40.42
No. People	17.2	45.5/1000 ft²

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	°F	gr/lb
Main Clg	1.6	19.4	14.8	514	81.0	62.0	55.5	53.4	48.3	43.7
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	1.6	19.4								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	379		
Part	0		
Int Door	0		
ExFlr	0		
Roof	379	0	0
Wall	174	36	21
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	-15.3	514	58.6	80.6
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	-15.3			

Room Checksums

By MFIA Inc.

225 BREAK

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 8 / 16		Mo/Hr: 9 / 16		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 94 / 65 / 49		OADB: 89		OADB: 22						SADB	55.0	80.6
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	76.6	68.5
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	77.4	68.5
Envelope Loads				Envelope Loads								Ret/OA	79.2	63.5
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	616	616	7	0	0	-583	10.41	0	0	0.00	Fn Frict	1.1	0.0
Glass Solar	3,165	0	3,165	38	3,678	56	0	0.00	0	0	0.00			
Glass/Door Cond	376	0	376	5	274	4	-972	17.36	-972	-972	17.36			
Wall Cond	565	65	630	8	557	8	-569	11.34	-635	-635	11.34			
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00			
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00			
Sub Total ==>	4,106	681	4,787	58	4,509	69	-1,541	39.11	-2,189	-2,189	39.11			
Internal Loads				Internal Loads								AIRFLOWS		
Lights	708	0	708	9	708	11	0	0.00	0	0	0.00	Cooling	Heating	
People	800	0	800	10	435	7	0	0.00	0	0	0.00	Diffuser	303	303
Misc	793	0	793	10	793	12	0	0.00	0	0	0.00	Terminal	303	303
Sub Total ==>	2,301	0	2,301	28	1,936	30	0	0.00	0	0	0.00	Main Fan	303	303
Ceiling Load	133	-133	0	0	109	2	-125	0.00	0	0	0.00	Sec Fan	0	0
Ventilation Load	0	0	486	6	0	0	0	29.99	-1,679	-1,679	29.99	Nom Vent	32	32
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	32	32
Dehumid. Ov Sizing	0	0	0	0	0	0	-1,812	32.36	-1,812	-1,812	32.36	Infil	0	0
Ov/Undr Sizing	0	0	0	0	0	0	52	-0.94	0	0	0.00	MinStop/Rh	0	0
Exhaust Heat	0	-84	-84	-1	0	0	0	0.00	0	0	0.00	Return	303	303
Sup. Fan Heat	0	534	534	6	0	0	0	0.00	0	0	0.00	Exhaust	32	32
Ret. Fan Heat	0	270	270	3	0	0	0	0.00	0	0	0.00	Rm Exh	0	0
Duct Heat Pkup	0	0	0	0	0	0	29	-0.52	0	0	0.00	Auxiliary	0	0
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Dwn	0	0
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0
Grand Total ==>	6,539	734	8,293	100.00	6,554	100.00	-3,477	100.00	-5,598	-5,598	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	ft² (%)	Capacity	Coil Airflow	Ent °F	Lvg °F		
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F	gr/lb
Main Clg	0.8	9.5	8.1	303	79.2	61.6	56.4	53.4	50.3	51.1	Floor	261	-7.0	303	63.5	80.6			
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	0.0			
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	0.0	0	0.0	0.0			
											ExFlr	0	0.0	0	0.0	0.0			
Total	0.8	9.5									Roof	261	0.0	0	0.0	0.0			
											Wall	239	36	15	0.0	0.0			
											Ext Door	0	0	0	0.0	0.0			
											Total	-7.0	-7.0	0	0.0	0.0			

Room Checksums

By MFIA Inc.

225C STAFF RR

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 12		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 95 / 66 / 54			OADB: 87		OADB: 22			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return <th>Ret/OA <th>Fn MtrTD <th>Fn BldTD <th>Fn Frict </th></th></th></th>	Ret/OA <th>Fn MtrTD <th>Fn BldTD <th>Fn Frict </th></th></th>	Fn MtrTD <th>Fn BldTD <th>Fn Frict </th></th>	Fn BldTD <th>Fn Frict </th>	Fn Frict		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Space Sens	Tot Sens	(%)	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h		
Envelope Loads					Envelope Loads										
Skylite Solar	0	0	0	0	0	0	0	0.00	Skylite Solar	0	0	0.00			
Skylite Cond	0	0	0	0	0	0	0	0.00	Skylite Cond	0	0	0.00			
Roof Cond	0	125	125	24	0	0	-103	32.61	Roof Cond	0	-103	32.61			
Glass Solar	0	0	0	0	0	0	0	0.00	Glass Solar	0	0	0.00			
Glass/Door Cond	0	0	0	0	0	0	0	0.00	Glass/Door Cond	0	0	0.00			
Wall Cond	0	0	0	0	0	0	0	0.00	Wall Cond	0	0	0.00			
Partition/Door	0	0	0	0	0	0	0	0.00	Partition/Door	0	0	0.00			
Floor	0	0	0	0	0	0	0	0.00	Floor	0	0	0.00			
Adjacent Floor	0	0	0	0	0	0	0	0.00	Adjacent Floor	0	0	0.00			
Infiltration	0	0	0	0	0	0	0	0.00	Infiltration	0	0	0.00			
<i>Sub Total ==></i>	0	125	125	24	0	0	-103	32.61	<i>Sub Total ==></i>	0	-103	32.61			
Internal Loads					Internal Loads										
Lights	124	0	124	23	134	40	0	0.00	Lights	0	0	0.00			
People	66	0	66	12	33	10	0	0.00	People	0	0	0.00			
Misc	139	0	139	26	149	44	0	0.00	Misc	0	0	0.00			
<i>Sub Total ==></i>	329	0	329	62	317	94	0	0.00	<i>Sub Total ==></i>	0	0	0.00			
Ceiling Load	23	-23	0	0	19	6	-22	0.00	Ceiling Load	-22	0	0.00			
Ventilation Load	0	0	43	8	0	0	-115	36.51	Ventilation Load	0	-115	36.51			
Adj Air Trans Heat	0	0	0	0	0	0	0	0	Adj Air Trans Heat	0	0	0			
Dehumid. Ov Sizing			0	0			-156	49.60	Ov/Undr Sizing	-156	-156	49.60			
Ov/Undr Sizing	0	0	0	0	0	0	4	-1.14	Exhaust Heat	0	4	-1.14			
Exhaust Heat		-6	-6	-1			0	0.00	OA Preheat Diff.	0	0	0.00			
Sup. Fan Heat			27	5			0	0.00	RA Preheat Diff.	0	0	0.00			
Ret. Fan Heat		14	14	3			0	0.00	Additional Reheat	0	0	0.00			
Duct Heat Pkup		0	0	0			55	-17.58	System Plenum Heat	55	-17.58				
Underflr Sup Ht Pkup		0	0	0			0	0.00	Underflr Sup Ht Pkup	0	0	0.00			
Supply Air Leakage		0	0	0			0	0.00	Supply Air Leakage	0	0	0.00			
Grand Total ==>	353	110	532	100.00	336	100.00	-178	100.00	Grand Total ==>	-178	-315	100.00			

AIRFLOWS		
	Cooling	Heating
Diffuser	16	16
Terminal	16	16
Main Fan	16	16
Sec Fan	0	0
Nom Vent	2	2
AHU Vent	2	2
Infil	0	0
MinStop/Rh	0	0
Return	16	16
Exhaust	2	2
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	14.1	14.1
cfm/ft²	0.34	0.34
cfm/ton	304.95	
ft²/ton	902.41	
Btu/hr-ft²	13.30	-8.56
No. People	0.2	3.3/1000 ft²

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	°F	gr/lb
Main Clg	0.1	0.6	0.5	16	79.9	61.9	56.8	53.4	47.5	41.1
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	0.1	0.6								

AREAS			
	Gross Total	Glass	(%)
		ft²	
Floor	46		
Part	0		
Int Door	0		
ExFlr	0		
Roof	46	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	-0.4	16	61.9	80.6
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-0.4			

Room Checksums

By MFIA Inc.

226 OFFICE

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 17		Mo/Hr: 7 / 17		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 92 / 64 / 49		OADB: 92		OADB: 22			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens							
Envelope Loads				Envelope Loads										
Skylite Solar	0	0	0	0	0	0	0	0.00						
Skylite Cond	0	0	0	0	0	0	0	0.00						
Roof Cond	0	161	10	0	0	0	-162	16.14						
Glass Solar	0	0	0	0	0	0	0	0.00						
Glass/Door Cond	0	0	0	0	0	0	0	0.00						
Wall Cond	484	47	34	484	45	-540	-592	58.86						
Partition/Door	0	0	0	0	0	0	0	0.00						
Floor	0	0	0	0	0	0	0	0.00						
Adjacent Floor	0	0	0	0	0	0	0	0.00						
Infiltration	0	0	0	0	0	0	0	0.00						
<i>Sub Total ==></i>	484	208	44	484	45	-540	-754	75.00						
Internal Loads				Internal Loads										
Lights	208	0	13	208	19	0	0	0.00						
People	229	0	15	127	12	0	0	0.00						
Misc	233	0	15	233	22	0	0	0.00						
<i>Sub Total ==></i>	670	0	43	569	53	0	0	0.00						
Ceiling Load	37	-37	0	30	3	-35	0	0.00						
Ventilation Load	0	0	84	0	0	0	-361	35.87						
Adj Air Trans Heat	0	0	0	0	0	0	0	0						
Dehumid. Ov Sizing			0			0	0	0.00						
Ov/Undr Sizing	0	0	0	0	0	0	11	-1.12						
Exhaust Heat		-18	-1				0	0.00						
Sup. Fan Heat			88				0	0.00						
Ret. Fan Heat		45	3				0	0.00						
Duct Heat Pkup		0	0				98	-9.75						
Underflr Sup Ht Pkup		0	0				0	0.00						
Supply Air Leakage		0	0				0	0.00						
<i>Grand Total ==></i>	1,191	197	100.00	1,083	100.00	-575	-1,006	100.00						

AIRFLOWS		
	Cooling	Heating
Diffuser	50	50
Terminal	50	50
Main Fan	50	50
Sec Fan	0	0
Nom Vent	7	7
AHU Vent	7	7
Infil	0	0
MinStop/Rh	0	0
Return	50	50
Exhaust	7	7
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	13.8	13.8
cfm/ft²	0.69	0.69
cfm/ton	335.01	
ft²/ton	486.04	
Btu/hr-ft²	24.69	-17.30
No. People	0.5	7.0/1000 ft²

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	°F	gr/lb
Main Clg	0.2	1.8	1.5	50	79.4	61.6	56.1	53.4	48.6	44.7
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.2	1.8								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	73		
Part	0		
Int Door	0		
ExFlr	0		
Roof	73	0	0
Wall	190	0	0
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	-1.3	50	62.0	80.6
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-1.3			

Room Checksums

By MFIA Inc.

227 TEAMWORK

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 9		Mo/Hr: Heating Design										
Outside Air:		OADB/WB/HR: 95 / 66 / 54			OADB: 71		OADB: 22										
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Cooling	Heating				
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)						
Envelope Loads					Envelope Loads										AIRFLOWS		
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00						
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00						
Roof Cond	0	998	998	15	0	0	-819	16.20	0	0	0.00						
Glass Solar	594	0	594	9	2,514	46	0	0.00	0	0	0.00						
Glass/Door Cond	376	0	376	5	-88	-2	-974	19.28	-974	-974	19.28						
Wall Cond	348	38	386	6	282	5	-611	13.45	-680	-680	13.45						
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00						
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00						
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00						
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00						
Sub Total ==>	1,317	1,036	2,353	34	2,708	49	-1,585	48.93	-2,473	-2,473	48.93						
Internal Loads					Internal Loads												
Lights	994	0	994	15	994	18	0	0.00	0	0	0.00						
People	1,119	0	1,119	16	511	9	0	0.00	0	0	0.00						
Misc	1,118	0	1,118	16	1,118	20	0	0.00	0	0	0.00						
Sub Total ==>	3,231	0	3,231	47	2,623	48	0	0.00	0	0	0.00						
Ceiling Load	241	-241	0	0	159	3	-226	0.00	0	0	0.00						
Ventilation Load	0	0	702	10	0	0	-1,836	36.32	0	-1,836	36.32						
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0						
Dehumid. Ov Sizing	0	0	0	0	0	0	-952	18.83	-952	-952	18.83						
Ov/Undr Sizing	0	0	0	0	0	0	73	-1.45	0	0	0.00						
Exhaust Heat	0	-109	-109	-2	0	0	0	0.00	0	0	0.00						
Sup. Fan Heat	0	447	447	7	0	0	0	0.00	0	0	0.00						
Ret. Fan Heat	0	226	226	3	0	0	0	0.00	0	0	0.00						
Duct Heat Pkup	0	0	0	0	0	0	134	-2.64	0	0	0.00						
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00						
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00						
Grand Total ==>	4,789	912	6,850	100.00	5,491	100.00	-2,763	100.00	-5,054	-5,054	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	ft² (%)	Capacity	Coil Airflow	Ent °F	Lvg °F	
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F
Main Clg	0.7	7.9	6.4	254	80.2	61.9	56.0	53.4	50.8	53.0	Floor	370						
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	Int Door	0						
											ExFlr	0						
Total	0.7	7.9									Roof	370	0	0				
											Wall	254	36	14				
											Ext Door	0	0	0				
											Total	-6.3						

Room Checksums

By MFIA Inc.

228 CONSULT

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 9		Mo/Hr: 6 / 9		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 71 / 51 / 25		OADB: 68		OADB: 22						SADB	55.0	80.1
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	77.1	68.1
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	77.9	68.1
Envelope Loads				Envelope Loads								Ret/OA	77.4	64.6
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	89	89	2	0	0	-285	10.34	0	0	0.00	Fn Frict	1.1	0.0
Glass Solar	2,511	0	2,511	64	2,607	73	0	0.00	0	0	0.00	AIRFLOWS		
Glass/Door Cond	-88	0	-88	-2	-156	-4	-973	35.24	-973	-973	35.24	Diffuser	165	165
Wall Cond	169	23	192	5	154	4	-237	9.78	-270	-270	9.78	Terminal	165	165
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	165	165
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	12	12
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	12	12
Sub Total ==>	2,592	113	2,704	69	2,605	73	-1,210	55.36	-1,210	-1,528	55.36	Infil	0	0
Internal Loads				Internal Loads								MinStop/Rh	0	0
Lights	347	0	347	9	347	10	0	0.00	0	0	0.00	Return	165	165
People	359	0	359	9	178	5	0	0.00	0	0	0.00	Exhaust	12	12
Misc	390	0	390	10	390	11	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	1,095	0	1,095	28	915	26	0	0.00	0	0	0.00	Auxiliary	0	0
Ceiling Load				Ceiling Load								Leakage Dwn	0	0
Ventilation Load	0	-84	0	0	56	2	-79	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	-306	-8	0	0	0	23.30	0	-643	23.30	ENGINEERING CKS		
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	7.4	7.4
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	1.28	1.28
Exhaust Heat	0	-38	-38	-1	0	0	0	0.00	0	0	0.00	cfm/ton	443.40	
Sup. Fan Heat	0	0	291	7	0	0	0	0.00	0	0	0.00	ft²/ton	345.82	
Ret. Fan Heat	0	147	147	4	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	34.70	-26.75
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	0.9	7.0/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	3,771	137	3,893	100.00	3,575	100.00	-1,799	100.00	-1,799	-2,761	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
Main Clg	0.4	4.5	4.0	165	77.4	60.5	54.0	53.4	50.6	52.3	Floor	129			Main Htg	-3.5	165	64.6	80.1
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0			Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0			Preheat	0.0	0	0.0	0.0
											ExFlr	0							
Total	0.4	4.5									Roof	129	0	0	Humidif	0.0	0	0.0	0.0
											Wall	123	36	29	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	Total	-3.5			

Room Checksums

By MFIA Inc.

229 CONSULT

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES						
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 17			Mo/Hr: Heating Design			Cooling			Heating			
Outside Air:		OADB/WB/HR: 95 / 66 / 54			OADB: 92			OADB: 22			SADB			Ra Plenum			
											Return			Ret/OA			
											Fn MtrTD			Fn BldTD			
											Fn Frict						
Space Sens. + Lat.		Plenum Sens. + Lat.		Net Total		Percent Of Total (%)		Space Sensible		Percent Of Total (%)		Space Peak		Coil Peak		Percent Of Total (%)	
Btu/h		Btu/h		Btu/h		Btu/h		Btu/h		Btu/h		Btu/h		Btu/h		Btu/h	
Envelope Loads																	
Skylite Solar		0		0		0		0		0		0		0		0.00	
Skylite Cond		0		0		0		0		0		0		0		0.00	
Roof Cond		0		346		346		19		0		0		-284		22.73	
Glass Solar		0		0		0		0		0		0		0		0.00	
Glass/Door Cond		0		0		0		0		0		0		0		0.00	
Wall Cond		0		0		0		0		0		0		0		0.00	
Partition/Door		0		0		0		0		0		0		0		0.00	
Floor		0		0		0		0		0		0		0		0.00	
Adjacent Floor		0		0		0		0		0		0		0		0.00	
Infiltration		0		0		0		0		0		0		0		0.00	
Sub Total ==>		0		346		346		19		0		0		-284		22.73	
Internal Loads																	
Lights		345		0		345		19		369		35		0		0.00	
People		388		0		388		22		224		21		0		0.00	
Misc		388		0		388		21		413		39		0		0.00	
Sub Total ==>		1,120		0		1,120		62		1,006		95		0		0.00	
Ceiling Load		83		-83		0		0		55		5		-78		0.00	
Ventilation Load		0		0		244		14		0		0		-638		51.08	
Adj Air Trans Heat		0		0		0		0		0		0		0		0	
Dehumid. Ov Sizing		0		0		0		0		0		0		-456		36.50	
Ov/Undr Sizing		0		0		0		0		0		0		25		-2.03	
Exhaust Heat		0		-38		-38		-2		0		0		0		0.00	
Sup. Fan Heat		0		0		86		5		0		0		0		0.00	
Ret. Fan Heat		0		44		44		2		0		0		0		0.00	
Duct Heat Pkup		0		0		0		0		0		103		-8.27			
Underflr Sup Ht Pkup		0		0		0		0		0		0		0		0.00	
Supply Air Leakage		0		0		0		0		0		0		0		0.00	
Grand Total ==>		1,204		268		1,803		100.00		1,062		100.00		-534		-1,249 100.00	

AIRFLOWS		
	Cooling	Heating
Diffuser	49	49
Terminal	49	49
Main Fan	49	49
Sec Fan	0	0
Nom Vent	12	12
AHU Vent	12	12
Infil	0	0
MinStop/Rh	0	0
Return	49	49
Exhaust	12	12
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	24.8	24.8
cfm/ft²	0.38	0.38
cfm/ton	284.39	
ft²/ton	742.69	
Btu/hr-ft²	16.16	-12.17
No. People	0.9	7.0/1000 ft²

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	0.2	2.1	1.6	49	82.1	62.5	55.8	53.4	47.0	39.3
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.2	2.1								

AREAS			
	Gross Total	Glass ft²	(%)
Floor	128		
Part	0		
Int Door	0		
ExFlr	0		
Roof	128	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-1.6	49	56.5	80.1
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-1.6			

Room Checksums

By MFIA Inc.

230 PRINT

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 16		Mo/Hr: 7 / 11		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 94 / 66 / 53		OADB: 82		OADB: 22						SADB	55.0	80.1
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	77.1	68.1
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	77.9	68.1
Envelope Loads				Envelope Loads								Ret/OA	80.3	60.9
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	60	60	14	0	0	-53	17.12	0	-163	52.51	Fn Frict	1.1	0.0
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00			
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00			
Wall Cond	83	8	90	21	126	39	-148	52.51	-148	-163	52.51			
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00			
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00			
<i>Sub Total ==></i>	83	68	151	35	126	39	-148	69.63	-148	-216	69.63			
Internal Loads				Internal Loads								AIRFLOWS		
Lights	65	0	65	15	69	21	0	0.00	0	0	0.00	Cooling	Heating	
People	73	0	73	17	42	13	0	0.00	0	0	0.00	Diffuser	15	15
Misc	73	0	73	17	77	24	0	0.00	0	0	0.00	Terminal	15	15
<i>Sub Total ==></i>	211	0	211	49	187	58	0	0.00	0	0	0.00	Main Fan	15	15
Ceiling Load	16	-16	0	0	10	3	-15	0.00	-15	0	0.00	Sec Fan	0	0
Ventilation Load	0	0	41	9	0	0	0	38.85	0	-120	38.85	Nom Vent	2	2
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	AHU Vent	2	2
Dehumid. Ov Sizing			0	0			0	0.00	0	0	0.00	Infil	0	0
Ov/Undr Sizing	0		0	0	0	0	0	0.00	0	0	0.00	MinStop/Rh	0	0
Exhaust Heat		-7	-7	-2			5	-1.55	0	0	0.00	Return	15	15
Sup. Fan Heat			26	6			0	0.00	0	0	0.00	Exhaust	2	2
Ret. Fan Heat			13	3			0	0.00	0	0	0.00	Rm Exh	0	0
Duct Heat Pkup			0	0			21	-6.93	0	0	0.00	Auxiliary	0	0
Underflr Sup Ht Pkup			0	0			0	0.00	0	0	0.00	Leakage Dwn	0	0
Supply Air Leakage			0	0			0	0.00	0	0	0.00	Leakage Ups	0	0
Grand Total ==>	310	59	435	100.00	324	100.00	-163	100.00	-163	-310	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	0.0	0.5	0.4	15	80.3	61.9	55.8	53.4	49.8	49.3	Floor	24		-0.4	15	60.9	80.1
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		0.0	0	0.0	0.0
											ExFlr	0		0.0	0	0.0	0.0
Total	0.0	0.5									Roof	24	0	0.0	0	0.0	0.0
											Wall	52	0	0.0	0	0.0	0.0
											Ext Door	0	0	0	0	0.0	0.0
														-0.4			

Room Checksums

By MFIA Inc.

231 MEDIUM GROUP

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 16			Mo/Hr: 7 / 10		Mo/Hr: Heating Design						Cooling			Heating		
Outside Air:		OADB/WB/HR: 94 / 66 / 53			OADB: 76		OADB: 22						SADB	55.0	80.1	Ra Plenum	77.1	68.1
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Return	77.9	68.1	Ret/OA	82.1	55.9	
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Fn MtrTD	0.2	0.0	Fn BldTD	0.4	0.0	
Envelope Loads					Envelope Loads										AIRFLOWS			
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	388	388	Terminal	388	388	
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	388	388	Sec Fan	0	0	
Roof Cond	0	873	873	7	0	0	-783	7.73	0	-783	7.73	Nom Vent	102	102	AHU Vent	102	102	
Glass Solar	538	0	538	4	1,897	23	0	0.00	0	0	0.00	Infil	0	0	MinStop/Rh	0	0	
Glass/Door Cond	369	0	369	3	-2	0	-972	9.58	-972	-972	9.58	Return	388	388	Exhaust	102	102	
Wall Cond	227	27	254	2	336	4	-382	4.24	-382	-430	4.24	Rm Exh	0	0	Auxiliary	0	0	
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Dwn	0	0	Leakage Ups	0	0	
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	ENGINEERING CKS						
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	26.2	26.2	cfm/ft²	1.10	1.10	
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ton	310.19		ft²/ton	282.81		
Sub Total ==>	1,134	901	2,035	16	2,231	27	-1,354	21.55	-1,354	-2,185	21.55	Btu/hr-ft²	42.43	-35.80	No. People			
Internal Loads					Internal Loads										16.1	45.5/1000 ft²		
Lights	979	0	979	7	979	12	0	0.00	0	0	0.00							
People	6,436	0	6,436	49	3,942	47	0	0.00	0	-5,319	52.47							
Misc	1,087	0	1,087	8	1,087	13	0	0.00	0	0	0.00							
Sub Total ==>	8,502	0	8,502	65	6,008	72	0	0.00	0	0	0.00							
Ceiling Load	230	-230	0	0	153	2	-216	0.00	-216	0	0.00							
Ventilation Load	0	0	1,812	14	0	0	0	52.47	0	-5,319	52.47							
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0							
Dehumid. Ov Sizing	0	0	0	0	0	0	-2,653	26.17	-2,653	-2,653	26.17							
Ov/Undr Sizing	0	0	0	0	0	0	212	-2.09	0	212	-2.09							
Exhaust Heat	0	-316	-316	-2	0	0	0	0.00	0	0	0.00							
Sup. Fan Heat	0	0	683	5	0	0	0	0.00	0	0	0.00							
Ret. Fan Heat	0	345	345	3	0	0	0	0.00	0	0	0.00							
Duct Heat Pkup	0	0	0	0	0	0	-193	1.91	0	-193	1.91							
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00							
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00							
Grand Total ==>	9,867	699	13,062	100.00	8,392	100.00	-4,223	100.00	-4,223	-10,138	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	ft² (%)	Capacity	Coil Airflow	Ent °F	Lvg °F	
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F
Main Clg	1.3	15.0	10.8	388	82.1	62.4	55.4	53.4	48.4	44.0	Floor	354						
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	Int Door	0						
											ExFlr	0						
Total	1.3	15.0									Roof	354	0	0				
											Wall	174	36	21				
											Ext Door	0	0	0				
											Total	-12.7						

Room Checksums

By MFIA Inc.

232 LARGE GROUP

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 16		Mo/Hr: 7 / 10		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 94 / 66 / 53		OADB: 76		OADB: 22						SADB	55.0	80.1
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	77.1	68.1
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	77.9	68.1
Envelope Loads				Envelope Loads								Ret/OA	82.3	55.3
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	1,105	1,105	7	0	0	-991	7.90	0	-991	20.21	Fn Frict	1.1	0.0
Glass Solar	538	0	538	3	1,897	19	0	0.00	0	0	0.00			
Glass/Door Cond	369	0	369	2	-2	0	-972	7.74	-972	-972	20.21			
Wall Cond	303	34	337	2	453	4	-513	4.56	-513	-513	20.21			
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00			
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00			
Sub Total ==>	1,210	1,140	2,350	14	2,348	23	-1,484	20.21	-1,484	-2,535	20.21			
Internal Loads				Internal Loads								AIRFLOWS		
Lights	1,239	0	1,239	8	1,239	12	0	0.00	0	0	0.00	Diffuser	469	469
People	8,145	0	8,145	50	4,989	49	0	0.00	0	0	0.00	Terminal	469	469
Misc	1,376	0	1,376	8	1,376	14	0	0.00	0	0	0.00	Main Fan	469	469
Sub Total ==>	10,760	0	10,760	66	7,604	75	0	0.00	0	0	0.00	Sec Fan	0	0
Ceiling Load	292	-292	0	0	193	2	-273	0.00	-273	0	0.00	Nom Vent	129	129
Ventilation Load	0	0	2,293	14	0	0	0	53.66	0	-6,731	53.66	AHU Vent	129	129
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	Infil	0	0
Dehumid. Ov Sizing	0	0	0	0	0	0	-3,347	26.68	-3,347	-3,347	26.68	MinStop/Rh	0	0
Ov/Undr Sizing	0	0	0	0	0	0	0	-2.14	0	268	-2.14	Return	469	469
Exhaust Heat	0	-400	-400	-2	0	0	0	0.00	0	0	0.00	Exhaust	129	129
Sup. Fan Heat	0	0	826	5	0	0	0	0.00	0	0	0.00	Rm Exh	0	0
Ret. Fan Heat	0	417	417	3	0	0	0	0.00	0	0	0.00	Auxiliary	0	0
Duct Heat Pkup	0	0	0	0	0	0	0	1.59	-199	-199	1.59	Leakage Dwn	0	0
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	12,262	865	16,246	100.00	10,145	100.00	-5,105	100.00	-5,105	-12,545	100.00	ENGINEERING CKS		
												% OA	27.4	27.4
												cfm/ft²	1.05	1.05
												cfm/ton	301.48	
												ft²/ton	287.75	
												Btu/hr-ft²	41.70	-35.00
												No. People	20.4	45.5/1000 ft²

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	ft² (%)	Capacity	Coil Airflow	Ent °F	Lvg °F
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F							
Main Clg	1.6	18.7	13.4	469	82.3	62.4	55.3	53.4	48.0	42.6	Floor	448	Main Htg	-15.7	469	55.3	80.1
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
											ExFlr	0	Humidif	0.0	0	0.0	0.0
Total	1.6	18.7									Roof	448	Opt Vent	0.0	0	0.0	0.0
											Wall	220	Total	-15.7			
											Ext Door	0					

Room Checksums

By MFIA Inc.

233 SMALL GROUP

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 10		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 95 / 66 / 54		OADB: 76		OADB: 22						SADB	55.0	80.1
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	77.1	68.1
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	77.9	68.1
Envelope Loads				Envelope Loads								Ret/OA	81.9	57.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	669	669	7	0	0	-549	7.39	0	-549	7.39	Fn Frict	1.1	0.0
Glass Solar	592	0	592	6	1,897	30	0	0.00	0	0	0.00	AIRFLOWS		
Glass/Door Cond	375	0	375	4	-2	0	-972	13.08	-972	-972	13.08	Diffuser	298	298
Wall Cond	144	19	163	2	219	3	-252	3.86	-252	-287	3.86	Terminal	298	298
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	298	298
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	71	71
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	71	71
Sub Total ==>	1,110	688	1,798	19	2,114	33	-1,224	24.32	-1,224	-1,807	24.32	Infil	0	0
Internal Loads				Internal Loads								MinStop/Rh	0	0
Lights	667	0	667	7	686	11	0	0.00	0	0	0.00	Return	298	298
People	4,316	0	4,316	45	2,762	43	0	0.00	0	0	0.00	Exhaust	71	71
Misc	749	0	749	8	762	12	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	5,731	0	5,731	60	4,209	65	0	0.00	0	0	0.00	Auxiliary	0	0
Ceiling Load				Ceiling Load								Leakage Dwn	0	0
Ventilation Load	0	-161	0	0	107	2	-151	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	1,424	15	0	0	0	50.12	0	-3,724	50.12	ENGINEERING CKS		
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	23.9	23.9
Ov/Undr Sizing	0	0	0	0	0	0	-1,861	25.04	-1,861	-1,861	25.04	cfm/ft²	1.20	1.20
Exhaust Heat	0	-221	-221	-2	0	0	0	-1.99	0	148	-1.99	cfm/ton	326.09	
Sup. Fan Heat	0	0	524	6	0	0	0	0.00	0	0	0.00	ft²/ton	271.82	
Ret. Fan Heat	0	264	264	3	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	44.15	-37.45
Duct Heat Pkup	0	0	0	0	0	0	0	2.52	-187	0	2.52	No. People	11.3	45.5/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	7,003	570	9,520	100.00	6,430	100.00	-3,236	100.00	-3,236	-7,430	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 °F	Lvg °F				
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F	gr/lb	ft²	MBh
Main Clg	0.9	11.0	7.9	298	81.9	62.4	55.8	53.4	49.2	47.0	Floor	248					Main Htg	-9.3	298	57.0	80.1
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0					Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0					Preheat	0.0	0	0.0	0.0
											ExFlr	0					Humidif	0.0	0	0.0	0.0
Total	0.9	11.0									Roof	248	0	0			Opt Vent	0.0	0	0.0	0.0
											Wall	128	36	28			Total	-9.3			
											Ext Door	0	0	0							

Room Checksums

By MFIA Inc.

234 WAITING

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 16		Mo/Hr: 7 / 10		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 94 / 66 / 53		OADB: 76		OADB: 22						SADB	55.0	80.1
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	77.1	68.1
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	77.9	68.1
Envelope Loads				Envelope Loads								Ret/OA	81.3	58.1
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	706	7	0	0	0	-633	8.10	0	0	0.00	Fn Frict	1.1	0.0
Glass Solar	538	0	5	1,897	27	0	0	0.00	0	0	0.00			
Glass/Door Cond	369	0	3	-2	0	-972	-972	12.43	0	-972	24.62			
Wall Cond	168	22	2	245	3	-281	-319	4.08	0	0	0.00			
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00			
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00			
Sub Total ==>	1,075	728	1,803	17	2,140	30	-1,253	24.62	-1,924	24.62	24.62			
Internal Loads				Internal Loads								AIRFLOWS		
Lights	791	0	791	7	791	11	0	0.00	0	0	0.00	Diffuser	329	329
People	5,203	0	5,203	49	3,187	45	0	0.00	0	0	0.00	Terminal	329	329
Misc	879	0	879	8	879	12	0	0.00	0	0	0.00	Main Fan	329	329
Sub Total ==>	6,873	0	6,873	65	4,857	68	0	0.00	0	0	0.00	Sec Fan	0	0
Ceiling Load	186	-186	0	0	123	2	-175	0.00	0	0	0.00	Nom Vent	71	71
Ventilation Load	0	0	1,258	12	0	0	0	47.26	-3,693	0	47.26	AHU Vent	71	71
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	Infil	0	0
Dehumid. Ov Sizing	0	0	0	0	0	0	-2,155	27.58	-2,155	-2,155	27.58	MinStop/Rh	0	0
Ov/Undr Sizing	0	0	0	0	0	0	0	-1.88	147	0	-1.88	Return	329	329
Exhaust Heat	0	-219	-219	-2	0	0	0	0.00	0	0	0.00	Exhaust	71	71
Sup. Fan Heat	0	580	580	5	0	0	0	0.00	0	0	0.00	Rm Exh	0	0
Ret. Fan Heat	0	293	293	3	0	0	0	0.00	0	0	0.00	Auxiliary	0	0
Duct Heat Pkup	0	0	0	0	0	0	0	2.42	-189	0	2.42	Leakage Dwn	0	0
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	8,134	615	10,587	100.00	7,120	100.00	-3,583	100.00	-7,814	100.00	100.00	ENGINEERING CKS		
												% OA	21.4	21.4
												cfm/ft²	1.15	1.15
												cfm/ton	324.70	
												ft²/ton	282.03	
												Btu/hr-ft²	42.55	-34.13
												No. People	13.0	45.5/1000 ft²

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 °F	Lvg °F	
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F
Main Clg	1.0	12.2	8.8	329	81.3	62.1	55.5	53.4	48.8	45.5	Floor	286		Main Htg	-9.8	329	58.1	80.1
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0						
Total	1.0	12.2									Roof	286	0	Humidif	0.0	0	0.0	0.0
											Wall	138	36	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	Total	-9.8			

Room Checksums

By MFIA Inc.

235 STOR

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 12		Mo/Hr: Heating Design						Cooling	Heating			
Outside Air:		OADB/WB/HR: 95 / 66 / 54			OADB: 87		OADB: 22						SADB	55.0	80.1		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	77.1	68.1			
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	77.9	68.1			
Envelope Loads					Envelope Loads										Ret/OA	80.3	61.3
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0			
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0			
Roof Cond	0	38	38	23	0	0	-32	32.30	0	-32	32.30	Fn Frict	1.1	0.0			
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00						
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00						
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00						
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00						
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00						
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00						
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00						
Sub Total ==>	0	38	38	23	0	0	-32	32.30	0	-32	32.30						
Internal Loads					Internal Loads												
Lights	38	0	38	23	42	40	0	0.00	0	0	0.00						
People	21	0	21	12	10	10	0	0.00	0	0	0.00						
Misc	43	0	43	26	46	44	0	0.00	0	0	0.00						
Sub Total ==>	102	0	102	62	98	94	0	0.00	0	0	0.00						
Ceiling Load					Ceiling Load												
Ventilation Load	0	-9	0	0	6	6	-9	0.00	0	0	0.00						
Adj Air Trans Heat	0	0	14	8	0	0	0	-37.51	0	0	37.51						
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0	0	0	0						
Ov/Undr Sizing	0	0	0	0	0	0	-44	44.79	0	-44	44.79						
Exhaust Heat	0	-2	-2	-1	0	0	1	-1.50	0	0	0.00						
Sup. Fan Heat	0	8	8	5	0	0	0	0.00	0	0	0.00						
Ret. Fan Heat	0	4	4	3	0	0	0	0.00	0	0	0.00						
Duct Heat Pkup	0	0	0	0	0	0	13	-13.10	0	0	0.00						
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00						
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00						
Grand Total ==>	111	31	165	100.00	104	100.00	-52	100.00	-98	-98	100.00						

AIRFLOWS		
	Cooling	Heating
Diffuser	5	5
Terminal	5	5
Main Fan	5	5
Sec Fan	0	0
Nom Vent	1	1
AHU Vent	1	1
Infil	0	0
MinStop/Rh	0	0
Return	5	5
Exhaust	1	1
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	14.5	14.5
cfm/ft²	0.34	0.34
cfm/ton	305.27	
ft²/ton	901.52	
Btu/hr-ft²	13.31	-8.57
No. People	0.0	3.3/1000 ft²

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	°F	gr/lb
Main Clg	0.0	0.2	0.2	5	80.3	61.9	56.0	53.4	47.5	41.0
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	0.0	0.2								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	14		
Part	0		
Int Door	0		
ExFlr	0		
Roof	14	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	-0.1	5	61.3	80.1
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-0.1			

Room Checksums

By MFIA Inc.

C1 CORRIDOR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 17		Mo/Hr: 8 / 17		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 92 / 64 / 49		OADB: 92		OADB: 22			SADB			Ra Plenum		
	Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Fn MtrTD	Fn BldTD	Fn Frict	
	Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens		75.1	0.2	0.4	1.1	
							Btu/h	Btu/h		75.9	0.0	0.0	0.0	
										78.5	0.0	0.0	0.0	
Envelope Loads				Envelope Loads							AIRFLOWS			
Skylite Solar	0	0	0	0	0	0	Skylite Solar	0	0.00					
Skylite Cond	0	0	0	0	0	0	Skylite Cond	0	0.00					
Roof Cond	0	0	0	0	0	0	Roof Cond	0	0.00					
Glass Solar	0	0	0	0	0	0	Glass Solar	0	0.00					
Glass/Door Cond	0	0	0	0	0	0	Glass/Door Cond	0	0.00					
Wall Cond	371	37	408	7	378	9	Wall Cond	-450	-495	11.58				
Partition/Door	0	0	0	0	0	0	Partition/Door	0	0	0.00				
Floor	0	0	0	0	0	0	Floor	0	0	0.00				
Adjacent Floor	0	0	0	0	0	0	Adjacent Floor	0	0	0.00				
Infiltration	0	0	0	0	0	0	Infiltration	0	0	0.00				
<i>Sub Total ==></i>	371	37	408	7	378	9	<i>Sub Total ==></i>	-450	-495	11.58				
Internal Loads				Internal Loads										
Lights	1,656	0	1,656	29	1,656	38	Lights	0	0	0.00				
People	863	0	863	15	479	11	People	0	0	0.00				
Misc	1,850	0	1,850	32	1,850	42	Misc	0	0	0.00				
<i>Sub Total ==></i>	4,368	0	4,368	76	3,985	91	<i>Sub Total ==></i>	0	0	0.00				
Ceiling Load	13	-13	0	0	15	0	Ceiling Load	-20	0	0.00				
Ventilation Load	0	0	487	8	0	0	Ventilation Load	0	-1,731	40.49				
Adj Air Trans Heat	0	0	0	0	0	0	Adj Air Trans Heat	0	0	0				
Dehumid. Ov Sizing			0	0			Ov/Undr Sizing	-2,054	-2,054	48.04				
Ov/Undr Sizing	0		0	0	0	0	Exhaust Heat		4	-0.09				
Exhaust Heat		-32	-32	-1			OA Preheat Diff.		0	0.00				
Sup. Fan Heat			356	6			RA Preheat Diff.		0	0.00				
Ret. Fan Heat		180	180	3			Additional Reheat		0	0.00				
Duct Heat Pkup		0	0	0			System Plenum Heat		1	-0.02				
Underflr Sup Ht Pkup			0	0			Underflr Sup Ht Pkup		0	0.00				
Supply Air Leakage		0	0	0			Supply Air Leakage		0	0.00				
Grand Total ==>	4,752	172	5,767	100.00	4,378	100.00	Grand Total ==>	-2,524	-4,275	100.00				

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F	
Main Clg	0.6	6.6	5.5	203	78.5	60.6	52.8	53.4	48.5	44.4	Floor	575					
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	Int Door	0					
											ExFlr	0					
Total	0.6	6.6									Roof	0	0	0			
											Wall	158	0	0			
											Ext Door	0	0	0			
											Total	-5.3					

Room Checksums

By MFIA Inc.

C1N CORRIDOR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 16		Mo/Hr: 8 / 17		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 94 / 66 / 53		OADB: 92		OADB: 22						SADB	55.0	79.5
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.1	69.9
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.9	69.9
Envelope Loads				Envelope Loads								Ret/OA	78.8	62.2
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	1.1	0.0
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	AIRFLOWS		
Glass/Door Cond	368	0	368	6	342	7	-979	23.17	-979	-979	23.17	Diffuser	226	226
Wall Cond	41	9	51	1	39	1	-73	2.11	-73	-89	2.11	Terminal	226	226
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	226	226
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	36	36
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	36	36
Sub Total ==>	409	9	418	7	381	8	-1,052	25.28	-1,052	-1,068	25.28	Infil	0	0
Internal Loads				Internal Loads								MinStop/Rh	0	0
Lights	1,789	0	1,789	28	1,863	38	0	0.00	0	0	0.00	Return	226	226
People	971	0	971	15	539	11	0	0.00	0	0	0.00	Exhaust	36	36
Misc	1,987	0	1,987	31	2,081	43	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	4,747	0	4,747	74	4,484	92	0	0.00	0	0	0.00	Auxiliary	0	0
Ceiling Load				Ceiling Load								Leakage Dwn	0	0
Ventilation Load	0	-14	0	0	17	0	-21	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	667	10	0	0	0	44.82	0	-1,893	44.82	ENGINEERING CKS		
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	16.0	16.0
Ov/Undr Sizing	0	0	0	0	0	0	-1,236	29.26	-1,236	-1,236	29.26	cfm/ft²	0.35	0.35
Exhaust Heat	0	-35	-35	-1	0	0	0	-0.10	0	4	-0.10	cfm/ton	368.57	
Sup. Fan Heat	0	0	398	6	0	0	0	0.00	0	0	0.00	ft²/ton	1,055.63	
Ret. Fan Heat	0	201	201	3	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	11.37	-8.16
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	-31	0.73	No. People	2.2	3.3/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	5,170	161	6,396	100.00	4,882	100.00	-2,309	100.00	-2,309	-4,224	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F	
Main Clg	0.6	7.4	6.0	226	78.8	61.1	55.0	53.4	49.3	47.3	Floor	647	Main Htg	-5.3	226	62.2	79.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
											ExFlr	0					
Total	0.6	7.4									Roof	0	Humidif	0.0	0	0.0	0.0
											Wall	29	Opt Vent	0.0	0	0.0	0.0
											Ext Door	28	Total	-5.3			

Room Checksums

By MFIA Inc.

C1S CORRIDOR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 16		Mo/Hr: 8 / 17		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating	
Outside Air:		OADB/WB/HR: 94 / 66 / 53		OADB: 92		OADB: 22		OADB: 22				SADB	55.0	81.5
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.1	69.9
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.9	69.9
Envelope Loads				Envelope Loads								Ret/OA	79.2	60.9
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.4	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	1.1	0.0
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	AIRFLOWS		
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00		Cooling	Heating
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	253	253
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	253	253
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	253	253
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	47	47
Sub Total ==>	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	47	47
Internal Loads				Internal Loads								Infil	0	0
Lights	2,177	0	2,177	30	2,268	41	0	0.00	0	0	0.00	MinStop/Rh	0	0
People	1,181	0	1,181	16	656	12	0	0.00	0	0	0.00	Return	253	253
Misc	2,419	0	2,419	33	2,533	46	0	0.00	0	0	0.00	Exhaust	47	47
Sub Total ==>	5,777	0	5,777	79	5,457	100	0	0.00	0	0	0.00	Rm Exh	0	0
Ceiling Load				Ceiling Load								Auxiliary	0	0
Ventilation Load	0	-18	0	0	21	0	-27	0.00	-27	0	0.00	Leakage Dwn	0	0
Adj Air Trans Heat	0	0	930	13	0	0	0	43.68	0	-2,469	43.68	Leakage Ups	0	0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0	0	0	0	ENGINEERING CKS		
Ov/Undr Sizing	0	0	0	0	0	0	-3,131	55.40	-3,131	-3,131	55.40	% OA	18.6	18.6
Exhaust Heat	0	-46	-46	-1	6	0	0	0.00	0	0	0.00	cfm/ft²	0.32	0.32
Sup. Fan Heat	0	446	446	6	0	0	0	0.00	0	0	0.00	cfm/ton	360.70	
Ret. Fan Heat	0	225	225	3	0	0	0	0.00	0	0	0.00	ft²/ton	1,120.60	
Duct Heat Pkup	0	0	0	0	0	0	-57	1.02	-57	-57	1.02	Btu/hr-ft²	10.71	-8.97
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	2.6	3.3/1000 ft²
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	5,795	162	7,333	100.00	5,478	100.00	-3,158	100.00	-3,158	-5,652	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	ft² (%)	Capacity	Coil Airflow	Ent °F	Lvg °F
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F							
Main Clg	0.7	8.4	6.8	253	79.2	61.0	53.4	53.4	48.8	45.4	Floor	787	Main Htg	-7.1	253	60.9	81.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
											ExFlr	0					
Total	0.7	8.4									Roof	0	Humidif	0.0	0	0.0	0.0
											Wall	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	Total	-7.1			

Room Checksums

By MFIA Inc.

C2 CORRIDOR

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 17			Mo/Hr: 8 / 17		Mo/Hr: Heating Design										
Outside Air:		OADB/WB/HR: 92 / 64 / 49			OADB: 92		OADB: 22										
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Cooling	Heating				
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)						
Envelope Loads					Envelope Loads										AIRFLOWS		
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00						
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00						
Roof Cond	0	236	236	5	0	0	-483	14.16	0	0	0.00						
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00						
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00						
Wall Cond	371	35	406	8	378	10	-450	14.45	-450	-493	14.45						
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00						
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00						
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00						
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00						
<i>Sub Total ==></i>	371	271	641	13	378	10	-450	28.61	-450	-977	28.61						
Internal Loads					Internal Loads												
Lights	1,349	0	1,349	28	1,349	35	0	0.00	0	0	0.00						
People	703	0	703	14	391	10	0	0.00	0	0	0.00						
Misc	1,507	0	1,507	31	1,507	39	0	0.00	0	0	0.00						
<i>Sub Total ==></i>	3,560	0	3,560	73	3,247	85	0	0.00	0	0	0.00						
Ceiling Load	305	-305	0	0	202	5	-286	0.00	-286	0	0.00						
Ventilation Load	0	0	286	6	0	0	-1,166	34.16	0	-1,166	34.16						
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0.00						
Dehumid. Ov Sizing			0	0			-1,189	34.84		-1,189	34.84						
Ov/Undr Sizing	0	0	0	0	0	0	46	-1.36		46	-1.36						
Exhaust Heat		-69	-69	-1			0	0.00		0	0.00						
Sup. Fan Heat			312	6			0	0.00		0	0.00						
Ret. Fan Heat		157	157	3			0	0.00		0	0.00						
Duct Heat Pkup		0	0	0			-128	3.74		-128	3.74						
Underflr Sup Ht Pkup		0	0	0			0	0.00		0	0.00						
Supply Air Leakage		0	0	0			0	0.00		0	0.00						
<i>Grand Total ==></i>	4,235	54	4,887	100.00	3,827	100.00	-1,926	100.00	-1,926	-3,414	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							
Main Clg	0.5	5.6	4.7	177	79.6	61.5	55.4	53.4	50.1	50.3	Floor	469					
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	Int Door	0					
											ExFlr	0					
Total	0.5	5.6									Roof	218	0	0			
											Wall	158	0	0			
											Ext Door	0	0	0			
											Total	-4.3					

Room Checksums

By MFIA Inc.

C2N CORRIDOR

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 12		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 95 / 66 / 54			OADB: 87		OADB: 22			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return <th>Ret/OA <th>Fn MtrTD <th>Fn BldTD <th>Fn Frict </th></th></th></th>	Ret/OA <th>Fn MtrTD <th>Fn BldTD <th>Fn Frict </th></th></th>	Fn MtrTD <th>Fn BldTD <th>Fn Frict </th></th>	Fn BldTD <th>Fn Frict </th>	Fn Frict		
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Tot Sens 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	0.00							
Skylite Cond	0	0	0	0	0	0	0	0.00							
Roof Cond	0	121	121	23	0	0	-99	30.34							
Glass Solar	0	0	0	0	0	0	0	0.00							
Glass/Door Cond	0	0	0	0	0	0	0	0.00							
Wall Cond	0	0	0	0	0	0	0	0.02							
Partition/Door	0	0	0	0	0	0	0	0.00							
Floor	0	0	0	0	0	0	0	0.00							
Adjacent Floor	0	0	0	0	0	0	0	0.00							
Infiltration	0	0	0	0	0	0	0	0.00							
<i>Sub Total ==></i>	0	121	121	23	0	0	-99	30.37							
Internal Loads					Internal Loads										
Lights	120	0	120	23	131	40	0	0.00							
People	65	0	65	12	32	10	0	0.00							
Misc	135	0	135	26	145	44	0	0.00							
<i>Sub Total ==></i>	320	0	320	61	308	94	0	0.00							
Ceiling Load	27	-27	0	0	19	6	-25	0.00							
Ventilation Load	0	0	53	10	0	0	-141	43.13							
Adj Air Trans Heat	0	0	0	0	0	0	0	0							
Dehumid. Ov Sizing			0	0			-137	41.70							
Ov/Undr Sizing	0	0	0	0	0	0	5	-1.60							
Exhaust Heat		-8	-8	-2			0	0.00							
Sup. Fan Heat			27	5			0	0.00							
Ret. Fan Heat			13	3			0	0.00							
Duct Heat Pkup			0	0			45	-13.60							
Underflr Sup Ht Pkup			0	0			0	0.00							
Supply Air Leakage			0	0			0	0.00							
<i>Grand Total ==></i>	347	99	527	100.00	328	100.00	-162	100.00							

AIRFLOWS		
	Cooling	Heating
Diffuser	15	15
Terminal	15	15
Main Fan	15	15
Sec Fan	0	0
Nom Vent	3	3
AHU Vent	3	3
Infil	0	0
MinStop/Rh	0	0
Return	15	15
Exhaust	3	3
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	17.8	17.8
cfm/ft²	0.34	0.34
cfm/ton	300.16	
ft²/ton	886.91	
Btu/hr-ft²	13.53	-9.14
No. People	0.1	3.3/1000 ft²

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	°F	gr/lb
Main Clg	0.1	0.6	0.5	15	80.8	62.1	56.2	53.4	47.5	40.9
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.1	0.6								

AREAS			
	Gross Total	Glass	(%)
		ft²	
Floor	45		
Part	0		
Int Door	0		
ExFlr	0		
Roof	45	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	-0.4	15	59.9	79.9
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	-0.4			

Room Checksums

By MFIA Inc.

C2S CORRIDOR

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 12		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 95 / 66 / 54			OADB: 87		OADB: 22			SADB			Ra Plenum		
	Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
	Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens							
							Btu/h	Btu/h							
Envelope Loads					Envelope Loads										
Skylite Solar	0	0	0	0	0	0	0	0	0.00	Skylite Solar	0	0	0.00		
Skylite Cond	0	0	0	0	0	0	0	0	0.00	Skylite Cond	0	0	0.00		
Roof Cond	0	2,191	2,191	23	0	0	0	-1,798	29.89	Roof Cond	0	0	0.00		
Glass Solar	0	0	0	0	0	0	0	0	0.00	Glass Solar	0	0	0.00		
Glass/Door Cond	0	0	0	0	0	0	0	0	0.00	Glass/Door Cond	0	0	0.00		
Wall Cond	0	0	0	0	0	0	0	0	0.00	Wall Cond	0	0	0.00		
Partition/Door	0	0	0	0	0	0	0	0	0.00	Partition/Door	0	0	0.00		
Floor	0	0	0	0	0	0	0	0	0.00	Floor	0	0	0.00		
Adjacent Floor	0	0	0	0	0	0	0	0	0.00	Adjacent Floor	0	0	0.00		
Infiltration	0	0	0	0	0	0	0	0	0.00	Infiltration	0	0	0.00		
<i>Sub Total ==></i>	0	2,191	2,191	23	0	0	0	-1,798	29.89	<i>Sub Total ==></i>	0	0	0.00		
Internal Loads					Internal Loads										
Lights	2,184	0	2,184	23	2,371	40	0	0	0.00	Lights	0	0	0.00		
People	1,172	0	1,172	12	589	10	0	0	0.00	People	0	0	0.00		
Misc	2,455	0	2,455	26	2,635	44	0	0	0.00	Misc	0	0	0.00		
<i>Sub Total ==></i>	5,810	0	5,810	61	5,596	94	0	0	0.00	<i>Sub Total ==></i>	0	0	0.00		
Ceiling Load	529	-529	0	0	350	6	-496	0	0.00	Ceiling Load	-496	0	0.00		
Ventilation Load	0	0	976	10	0	0	0	-2,552	42.43	Ventilation Load	0	-2,552	42.43		
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	Adj Air Trans Heat	0	0	0		
Dehumid. Ov Sizing	0	0	0	0	0	0	-2,496	-2,496	41.49	Ov/Undr Sizing	-2,496	-2,496	41.49		
Ov/Undr Sizing	0	0	0	0	0	0	0	102	-1.69	Exhaust Heat	0	102	-1.69		
Exhaust Heat	0	-152	-152	-2	0	0	0	0	0.00	OA Preheat Diff.	0	0	0.00		
Sup. Fan Heat	0	0	484	5	0	0	0	0	0.00	RA Preheat Diff.	0	0	0.00		
Ret. Fan Heat	0	245	245	3	0	0	0	0	0.00	Additional Reheat	0	0	0.00		
Duct Heat Pkup	0	0	0	0	0	0	0	730	-12.13	System Plenum Heat	0	730	-12.13		
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0	0.00	Underflr Sup Ht Pkup	0	0	0.00		
Supply Air Leakage	0	0	0	0	0	0	0	0	0.00	Supply Air Leakage	0	0	0.00		
Grand Total ==>	6,339	1,755	9,555	100.00	5,946	100.00	-2,992	-6,015	100.00	Grand Total ==>	-2,992	-6,015	100.00		

AIRFLOWS		
	Cooling	Heating
Diffuser	275	275
Terminal	275	275
Main Fan	275	275
Sec Fan	0	0
Nom Vent	49	49
AHU Vent	49	49
Infil	0	0
MinStop/Rh	0	0
Return	275	275
Exhaust	49	49
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	17.7	17.7
cfm/ft²	0.34	0.34
cfm/ton	300.44	
ft²/ton	887.50	
Btu/hr-ft²	13.52	-9.25
No. People	2.7	3.3/1000 ft²

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	°F	gr/lb
Main Clg	0.9	11.0	9.1	275	80.9	62.1	56.0	53.4	47.5	40.9
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.9	11.0								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	813		
Part	0		
Int Door	0		
ExFlr	0		
Roof	813	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	-7.5	275	59.8	80.1
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	-7.5			

Room Checksums

By MFIA Inc.

ST1N STAIR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 0 / 0		Mo/Hr: 0 / 0		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 0 / 0 / 0		OADB: 0		OADB: 22			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Tot Sens Btu/h		0.0	0.0	0.0	0.0	0.0	
Envelope Loads				Envelope Loads										
Skylite Solar	0	0	0	0	0	0	0	0.00	0.0	70.0	0.0	0.0	0.0	
Skylite Cond	0	0	0	0	0	0	0	0.00	0.0	67.6	0.0	0.0	0.0	
Roof Cond	0	0	0	0	0	0	0	0.00	0.0	70.0	0.0	0.0	0.0	
Glass Solar	0	0	0	0	0	0	0	0.00	0.0	70.0	0.0	0.0	0.0	
Glass/Door Cond	0	0	0	0	0	-3,416	-3,416	74.90	0.0	70.0	0.0	0.0	0.0	
Wall Cond	0	0	0	0	0	-982	-1,110	24.35	0.0	70.0	0.0	0.0	0.0	
Partition/Door	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0	0.0	
Floor	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0	0.0	
Adjacent Floor	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0	0.0	
Infiltration	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0	0.0	
Sub Total ==>	0	0	0	0	0	-4,398	-4,526	99.25	0.0	0.0	0.0	0.0	0.0	
Internal Loads				Internal Loads										
Lights	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0	0.0	
People	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0	0.0	
Misc	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0	0.0	
Sub Total ==>	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0	0.0	
Ceiling Load	0	0	0	0	0	-163	0	0.00	0.0	0.0	0.0	0.0	0.0	
Ventilation Load	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0	0.0	
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0	0.0	
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0	0.0	
Exhaust Heat	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0	0.0	
Sup. Fan Heat	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0	0.0	
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0	0.0	
Duct Heat Pkup	0	0	0	0	0	0	-34	0.75	0.0	0.0	0.0	0.0	0.0	
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0	0.0	
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0	0.0	
Grand Total ==>	0	0	0	100.00	0	100.00	-4,560	-4,560	100.00					

AIRFLOWS		
	Cooling	Heating
Diffuser	0	0
Terminal	0	0
Main Fan	0	0
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	0	0
MinStop/Rh	0	0
Return	0	0
Exhaust	0	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft²	0.00	0.00
cfm/ton	0.00	0.00
ft²/ton	0.00	0.00
Btu/hr-ft²	0.00	0.00
No. People	0.7	3.3/1000 ft²

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	°F	gr/lb
Main Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	217		
Part	0		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	447	89	20
Ext Door	28	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	0.0	0	70.0	70.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	0.0			

Room Checksums

By MFIA Inc.

ST1S STAIR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 0 / 0		Mo/Hr: 0 / 0		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 0 / 0 / 0		OADB: 0		OADB: 22			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Tot Sens Btu/h		0.0	0.0	0.0	0.0	0.0	
Envelope Loads				Envelope Loads										
Skylite Solar	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0	0.0	
Skylite Cond	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0	0.0	
Roof Cond	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0	0.0	
Glass Solar	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0	0.0	
Glass/Door Cond	0	0	0	0	0	-3,415	-3,415	74.94	0.0	0.0	0.0	0.0	0.0	
Wall Cond	0	0	0	0	0	-980	-1,108	24.31	0.0	0.0	0.0	0.0	0.0	
Partition/Door	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0	0.0	
Floor	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0	0.0	
Adjacent Floor	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0	0.0	
Infiltration	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0	0.0	
Sub Total ==>	0	0	0	0	0	-4,395	-4,523	99.26	0.0	0.0	0.0	0.0	0.0	
Internal Loads				Internal Loads										
Lights	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0	0.0	
People	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0	0.0	
Misc	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0	0.0	
Sub Total ==>	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0	0.0	
Ceiling Load	0	0	0	0	0	-162	0	0.00	0.0	0.0	0.0	0.0	0.0	
Ventilation Load	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0	0.0	
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0	
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0	0.0	
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0	0.0	
Exhaust Heat	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0	0.0	
Sup. Fan Heat	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0	0.0	
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0	0.0	
Duct Heat Pkup	0	0	0	0	0	0	-34	0.74	0.0	0.0	0.0	0.0	0.0	
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0	0.0	
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0.0	0.0	0.0	0.0	0.0	
Grand Total ==>	0	0	0	100.00	0	100.00	-4,557	-4,557	100.00					

AIRFLOWS		
	Cooling	Heating
Diffuser	0	0
Terminal	0	0
Main Fan	0	0
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	0	0
MinStop/Rh	0	0
Return	0	0
Exhaust	0	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft²	0.00	0.00
cfm/ton	0.00	0.00
ft²/ton	0.00	0.00
Btu/hr-ft²	0.00	0.00
No. People	0.7	3.3/1000 ft²

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	°F	gr/lb
Main Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	216		
Part	0		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	446	89	20
Ext Door	28	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	0.0	0	70.0	70.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	0.0			

Room Checksums

By MFIA Inc.

ST1W STAIR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES		
Peaked at Time:		Mo/Hr: 0 / 0		Mo/Hr: 0 / 0		Mo/Hr: Heating Design			Cooling	Heating			
Outside Air:		OADB/WB/HR: 0 / 0 / 0		OADB: 0		OADB: 22			SADB	0.0	70.0		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	0.0	67.6		
Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens		Ret/OA	0.0	70.0		
Envelope Loads				Envelope Loads							AIRFLOWS		
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Diffuser	0	0		
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Terminal	0	0		
Roof Cond	0	0	0	0	0	Roof Cond	0	0.00	Main Fan	0	0		
Glass Solar	0	0	0	0	0	Glass Solar	0	0.00	Sec Fan	0	0		
Glass/Door Cond	0	0	0	0	0	Glass/Door Cond	-1,952	81.93	Nom Vent	0	0		
Wall Cond	0	0	0	0	0	Wall Cond	-323	15.66	AHU Vent	0	0		
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00	Infil	0	0		
Floor	0	0	0	0	0	Floor	0	0.00	MinStop/Rh	0	0		
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	Return	0	0		
Infiltration	0	0	0	0	0	Infiltration	0	0.00	Exhaust	0	0		
Sub Total ==>	0	0	0	0	0	Sub Total ==>	-2,275	97.59	Rm Exh	0	0		
Internal Loads				Internal Loads							ENGINEERING CKS		
Lights	0	0	0	0	0	Lights	0	0.00	% OA	0.0	0.0		
People	0	0	0	0	0	People	0	0.00	cfm/ft²	0.00	0.00		
Misc	0	0	0	0	0	Misc	0	0.00	cfm/ton	0.00			
Sub Total ==>	0	0	0	0	0	Sub Total ==>	0	0.00	ft²/ton	0.00			
Ceiling Load	0	0	0	0	0	Ceiling Load	-107	0.00	Btu/hr-ft²	0.00	0.00		
Ventilation Load	0	0	0	0	0	Ventilation Load	0	0.00	No. People	0.5	3.3/1000 ft²		
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0					
Dehumid. Ov Sizing	0	0	0	0	0	Ov/Undr Sizing	0	0.00					
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	0	0.00					
Exhaust Heat	0	0	0	0	0	OA Preheat Diff.	0	0.00					
Sup. Fan Heat	0	0	0	0	0	RA Preheat Diff.	0	0.00					
Ret. Fan Heat	0	0	0	0	0	Additional Reheat	0	0.00					
Duct Heat Pkup	0	0	0	0	0	System Plenum Heat	-57	2.41					
Underflr Sup Ht Pkup	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00					
Supply Air Leakage	0	0	0	0	0	Supply Air Leakage	0	0.00					
Grand Total ==>	0	0	100.00	0	100.00	Grand Total ==>	-2,382	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	Ent	Lvg				
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F					°F	gr/lb	ft²	(%)
Main Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Floor	143		Main Htg	0.0	0	70.0	70.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0						
Total	0.0	0.0									Roof	0	0	Humidif	0.0	0	0.0	0.0
											Wall	156	36	Opt Vent	0.0	0	0.0	0.0
											Ext Door	28	0	Total	0.0			

Room Checksums

By MFIA Inc.

ST2E STAIR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES		
Peaked at Time:		Mo/Hr: 0 / 0		Mo/Hr: 0 / 0		Mo/Hr: Heating Design			Cooling	Heating			
Outside Air:		OADB/WB/HR: 0 / 0 / 0		OADB: 0		OADB: 22			SADB	0.0	70.0		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	0.0	67.6		
Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens		Ret/OA	0.0	70.0		
						Btu/h	Btu/h		Fn MtrTD	0.0	0.0		
									Fn BldTD	0.0	0.0		
									Fn Frict	0.0	0.0		
Envelope Loads				Envelope Loads									
Skylite Solar	0	0	0	0	0	0	0	0.00					
Skylite Cond	0	0	0	0	0	0	0	0.00					
Roof Cond	0	0	0	0	0	0	0	0.00					
Glass Solar	0	0	0	0	0	0	0	0.00					
Glass/Door Cond	0	0	0	0	0	0	0	0.00					
Wall Cond	0	0	0	0	0	0	-123	76.84					
Partition/Door	0	0	0	0	0	0	0	0.00					
Floor	0	0	0	0	0	0	0	0.00					
Adjacent Floor	0	0	0	0	0	0	0	0.00					
Infiltration	0	0	0	0	0	0	0	0.00					
Sub Total ==>	0	0	0	0	0	0	-123	-135	76.84				
Internal Loads				Internal Loads									
Lights	0	0	0	0	0	0	0	0.00					
People	0	0	0	0	0	0	0	0.00					
Misc	0	0	0	0	0	0	0	0.00					
Sub Total ==>	0	0	0	0	0	0	0	0	0.00				
Ceiling Load	0	0	0	0	0	0	-52	0.00					
Ventilation Load	0	0	0	0	0	0	0	0.00					
Adj Air Trans Heat	0	0	0	0	0	0	0	0					
Dehumid. Ov Sizing			0	0			0	0.00					
Ov/Undr Sizing	0		0	0	0	0	0	0.00					
Exhaust Heat		0	0	0			0	0.00					
Sup. Fan Heat			0	0			0	0.00					
Ret. Fan Heat		0	0	0			0	0.00					
Duct Heat Pkup		0	0	0			-41	23.16					
Underflr Sup Ht Pkup			0	0			0	0.00					
Supply Air Leakage		0	0	0			0	0.00					
Grand Total ==>	0	0	0	100.00	0	100.00	-175	-175	100.00				

AIRFLOWS		
	Cooling	Heating
Diffuser	0	0
Terminal	0	0
Main Fan	0	0
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	0	0
MinStop/Rh	0	0
Return	0	0
Exhaust	0	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft²	0.00	0.00
cfm/ton	0.00	0.00
ft²/ton	0.00	0.00
Btu/hr-ft²	0.00	0.00
No. People	0.2	3.3/1000 ft²

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	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	70		
Part	0		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	43	0	0
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	
			°F	Lvg °F
	MBh	cfm		
Main Htg	0.0	0	70.0	70.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	0.0			

Room Checksums

By MFIA Inc.

ST2N STAIR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES		
Peaked at Time:		Mo/Hr: 0 / 0		Mo/Hr: 0 / 0		Mo/Hr: Heating Design			Cooling	Heating			
Outside Air:		OADB/WB/HR: 0 / 0 / 0		OADB: 0		OADB: 22			SADB	0.0	70.0		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	0.0	67.6		
Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens		Ret/OA	0.0	70.0		
						Btu/h	Btu/h		Fn MtrTD	0.0	0.0		
									Fn BldTD	0.0	0.0		
									Fn Frict	0.0	0.0		
Envelope Loads				Envelope Loads									
Skylite Solar	0	0	0	0	0	0	0	0.00					
Skylite Cond	0	0	0	0	0	0	0	0.00					
Roof Cond	0	0	0	0	0	0	-346	35.90					
Glass Solar	0	0	0	0	0	0	0	0.00					
Glass/Door Cond	0	0	0	0	0	0	0	0.00					
Wall Cond	0	0	0	0	0	0	-856	97.39					
Partition/Door	0	0	0	0	0	0	0	0.00					
Floor	0	0	0	0	0	0	0	0.00					
Adjacent Floor	0	0	0	0	0	0	0	0.00					
Infiltration	0	0	0	0	0	0	0	0.00					
Sub Total ==>	0	0	0	0	0	0	-856	133.29					
Internal Loads				Internal Loads									
Lights	0	0	0	0	0	0	0	0.00					
People	0	0	0	0	0	0	0	0.00					
Misc	0	0	0	0	0	0	0	0.00					
Sub Total ==>	0	0	0	0	0	0	0	0.00					
Ceiling Load	0	0	0	0	0	0	-107	0.00					
Ventilation Load	0	0	0	0	0	0	0	0.00					
Adj Air Trans Heat	0	0	0	0	0	0	0	0					
Dehumid. Ov Sizing			0	0			0	0.00					
Ov/Undr Sizing	0		0	0	0	0	0	0.00					
Exhaust Heat		0	0	0			0	0.00					
Sup. Fan Heat			0	0			0	0.00					
Ret. Fan Heat		0	0	0			0	0.00					
Duct Heat Pkup		0	0	0			321	-33.29					
Underflr Sup Ht Pkup			0	0			0	0.00					
Supply Air Leakage		0	0	0			0	0.00					
Grand Total ==>	0	0	0	100.00	0	100.00	-963	100.00					

AIRFLOWS		
	Cooling	Heating
Diffuser	0	0
Terminal	0	0
Main Fan	0	0
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	0	0
MinStop/Rh	0	0
Return	0	0
Exhaust	0	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft²	0.00	0.00
cfm/ton	0.00	0.00
ft²/ton	0.00	0.00
Btu/hr-ft²	0.00	0.00
No. People	0.5	3.3/1000 ft²

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F
Main Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	142		
Part	0		
Int Door	0		
ExFlr	0		
Roof	158	0	0
Wall	301	0	0
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	
			MBh	cfm
Main Htg	0.0	0	70.0	70.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	0.0			

Room Checksums

By MFIA Inc.

ST2S STAIR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES				
Peaked at Time:		Mo/Hr: 0 / 0		Mo/Hr: 0 / 0		Mo/Hr: Heating Design			Cooling			Heating			
Outside Air:		OADB/WB/HR: 0 / 0 / 0		OADB: 0		OADB: 22			SADB			Ra Plenum			
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict		
Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens								
Envelope Loads				Envelope Loads											
Skylite Solar	0	0	0	0	0	0	0	0.00							
Skylite Cond	0	0	0	0	0	0	0	0.00							
Roof Cond	0	0	0	0	0	0	-349	42.15							
Glass Solar	0	0	0	0	0	0	0	0.00							
Glass/Door Cond	0	0	0	0	0	0	0	0.00							
Wall Cond	0	0	0	0	0	-722	-790	95.44							
Partition/Door	0	0	0	0	0	0	0	0.00							
Floor	0	0	0	0	0	0	0	0.00							
Adjacent Floor	0	0	0	0	0	0	0	0.00							
Infiltration	0	0	0	0	0	0	0	0.00							
Sub Total ==>	0	0	0	0	0	-722	-1,139	137.58							
Internal Loads				Internal Loads											
Lights	0	0	0	0	0	0	0	0.00							
People	0	0	0	0	0	0	0	0.00							
Misc	0	0	0	0	0	0	0	0.00							
Sub Total ==>	0	0	0	0	0	0	0	0.00							
Ceiling Load	0	0	0	0	0	-106	0	0.00							
Ventilation Load	0	0	0	0	0	0	0	0.00							
Adj Air Trans Heat	0	0	0	0	0	0	0	0							
Dehumid. Ov Sizing			0	0		0	0	0.00							
Ov/Undr Sizing	0		0	0	0	0	0	0.00							
Exhaust Heat		0	0	0		0	0	0.00							
Sup. Fan Heat			0	0		0	0	0.00							
Ret. Fan Heat		0	0	0		0	0	0.00							
Duct Heat Pkup		0	0	0		311	-37.58								
Underflr Sup Ht Pkup			0	0		0	0	0.00							
Supply Air Leakage		0	0	0		0	0	0.00							
Grand Total ==>	0	0	0	100.00	0	100.00	-828	-828	100.00						

AIRFLOWS		
	Cooling	Heating
Diffuser	0	0
Terminal	0	0
Main Fan	0	0
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	0	0
MinStop/Rh	0	0
Return	0	0
Exhaust	0	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft²	0.00	0.00
cfm/ton	0.00	
ft²/ton	0.00	
Btu/hr-ft²	0.00	0.00
No. People	0.5	3.3/1000 ft²

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	°F	gr/lb
Main Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	142		
Part	0		
Int Door	0		
ExFlr	0		
Roof	159	0	0
Wall	254	0	0
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	0.0	0	70.0	70.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	0.0			

Room Checksums

By MFIA Inc.

ST2W STAIR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 0 / 0		Mo/Hr: 0 / 0		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 0 / 0 / 0		OADB: 0		OADB: 22			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens							
Envelope Loads				Envelope Loads										
Skylite Solar	0	0	0	0	0	0	0	0.00						
Skylite Cond	0	0	0	0	0	0	0	0.00						
Roof Cond	0	0	0	0	0	0	0	0.00						
Glass Solar	0	0	0	0	0	0	0	0.00						
Glass/Door Cond	0	0	0	0	0	-973	-973	62.88						
Wall Cond	0	0	0	0	0	-446	-499	32.24						
Partition/Door	0	0	0	0	0	0	0	0.00						
Floor	0	0	0	0	0	0	0	0.00						
Adjacent Floor	0	0	0	0	0	0	0	0.00						
Infiltration	0	0	0	0	0	0	0	0.00						
<i>Sub Total ==></i>	0	0	0	0	0	-1,419	-1,472	95.12						
Internal Loads				Internal Loads										
Lights	0	0	0	0	0	0	0	0.00						
People	0	0	0	0	0	0	0	0.00						
Misc	0	0	0	0	0	0	0	0.00						
<i>Sub Total ==></i>	0	0	0	0	0	0	0	0.00						
Ceiling Load	0	0	0	0	0	-129	0	0.00						
Ventilation Load	0	0	0	0	0	0	0	0.00						
Adj Air Trans Heat	0	0	0	0	0	0	0	0						
Dehumid. Ov Sizing			0	0		0	0	0.00						
Ov/Undr Sizing	0		0	0	0	0	0	0.00						
Exhaust Heat		0	0	0		0	0	0.00						
Sup. Fan Heat			0	0		0	0	0.00						
Ret. Fan Heat			0	0		0	0	0.00						
Duct Heat Pkup			0	0		0	-76	4.88						
Underflr Sup Ht Pkup			0	0		0	0	0.00						
Supply Air Leakage			0	0		0	0	0.00						
Grand Total ==>	0	0	0	100.00	0	100.00	-1,547	-1,547	100.00					

AIRFLOWS		
	Cooling	Heating
Diffuser	0	0
Terminal	0	0
Main Fan	0	0
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	0	0
MinStop/Rh	0	0
Return	0	0
Exhaust	0	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft²	0.00	0.00
cfm/ton	0.00	0.00
ft²/ton	0.00	0.00
Btu/hr-ft²	0.00	0.00
No. People	0.6	3.3/1000 ft²

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	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	171		
Part	0		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	196	36	18
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity MBh	Coil Airflow cfm	Ent	Lvg
			°F	°F
Main Htg	0.0	0	70.0	70.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	0.0			

Room Checksums

By MFIA Inc.

ST3C STAIR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES				
Peaked at Time:		Mo/Hr: 0 / 0		Mo/Hr: 0 / 0		Mo/Hr: Heating Design			Cooling			Heating			
Outside Air:		OADB/WB/HR: 0 / 0 / 0		OADB: 0		OADB: 22			SADB			Ra Plenum			
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict		
Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens								
Envelope Loads				Envelope Loads											
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00							
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00							
Roof Cond	0	0	0	0	0	Roof Cond	0	249.37							
Glass Solar	0	0	0	0	0	Glass Solar	0	0.00							
Glass/Door Cond	0	0	0	0	0	Glass/Door Cond	0	0.00							
Wall Cond	0	0	0	0	0	Wall Cond	0	0.00							
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00							
Floor	0	0	0	0	0	Floor	0	0.00							
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00							
Infiltration	0	0	0	0	0	Infiltration	0	0.00							
Sub Total ==>	0	0	0	0	0	Sub Total ==>	0	249.37							
Internal Loads				Internal Loads											
Lights	0	0	0	0	0	Lights	0	0.00							
People	0	0	0	0	0	People	0	0.00							
Misc	0	0	0	0	0	Misc	0	0.00							
Sub Total ==>	0	0	0	0	0	Sub Total ==>	0	0.00							
Ceiling Load	0	0	0	0	0	Ceiling Load	-61	0.00							
Ventilation Load	0	0	0	0	0	Ventilation Load	0	0.00							
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0							
Dehumid. Ov Sizing			0	0	0	Ov/Undr Sizing	0	0.00							
Ov/Undr Sizing	0		0	0	0	Exhaust Heat	0	0.00							
Exhaust Heat		0	0	0	0	OA Preheat Diff.	0	0.00							
Sup. Fan Heat			0	0	0	RA Preheat Diff.	0	0.00							
Ret. Fan Heat		0	0	0	0	Additional Reheat	0	0.00							
Duct Heat Pkup		0	0	0	0	System Plenum Heat	91	-149.37							
Underflr Sup Ht Pkup			0	0	0	Underflr Sup Ht Pkup	0	0.00							
Supply Air Leakage		0	0	0	0	Supply Air Leakage	0	0.00							
Grand Total ==>	0	0	0	100.00	0	Grand Total ==>	-61	-61	100.00						

AIRFLOWS		
	Cooling	Heating
Diffuser	0	0
Terminal	0	0
Main Fan	0	0
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	0	0
MinStop/Rh	0	0
Return	0	0
Exhaust	0	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft²	0.00	0.00
cfm/ton	0.00	0.00
ft²/ton	0.00	0.00
Btu/hr-ft²	0.00	0.00
No. People	0.3	3.3/1000 ft²

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	°F	gr/lb
Main Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	81		
Part	0		
Int Door	0		
ExFlr	0		
Roof	69	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	0.0	0	70.0	70.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	0.0			