

Zone Checksums

By ae

2A

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 5 / 16			Mo/Hr: 5 / 16		Mo/Hr: 13 / 1			Cooling		Heating					
Outside Air:		OADB/WB/HR: 79 / 65 / 71			OADB: 79		OADB: 0			SADB		70.0					
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Space Sens	Coil Peak Tot Sens	Percent Of Total	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	(%)						
Envelope Loads					Envelope Loads					Envelope Loads							
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	Skylite Solar	0	0	0.00					
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	Skylite Cond	0	0	0.00					
Roof Cond	0	0	0.00	0	0.00	0	0	0.00	Roof Cond	0	0	0.00					
Glass Solar	11,600	0	35.39	11,600	47.33	0	0	0.00	Glass Solar	0	0	0.00					
Glass Cond	327	0	1.00	327	1.34	-5,836	-5,836	14.54	Glass Cond	-5,836	14.54						
Wall Cond	655	0	2.00	655	2.67	-3,667	-3,667	9.14	Wall Cond	-3,667	9.14						
Partition	0	0	0.00	0	0.00	0	0	0.00	Partition	0	0.00						
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	Exposed Floor	0	0.00						
Infiltration	411	0	1.26	411	1.26	-2,987	-2,987	7.44	Infiltration	-2,987	7.44						
Sub Total ==>	12,993	0	39.64	12,993	52.03	-12,490	-12,490	31.12	Sub Total ==>	-12,490	31.12						
Internal Loads					Internal Loads					Internal Loads							
Lights	7,833	0	23.90	7,833	31.96	0	0	0.00	Lights	0	0.00						
People	5,800	0	17.70	2,900	11.83	0	0	0.00	People	0	0.00						
Misc	1,024	0	3.12	1,024	4.18	0	0	0.00	Misc	0	0.00						
Sub Total ==>	14,657	0	44.72	11,757	47.97	0	0	0.00	Sub Total ==>	0	0.00						
Ceiling Load	0	0	0.00	0	0.00	0	0	0.00	Ceiling Load	0	0.00						
Ventilation Load	0	0	14.60	0	0.00	0	0	0.00	Ventilation Load	0	0.00						
Ov/Undr Sizing	0	0	0.00	0	0.00	0	0	0.00	Ov/Undr Sizing	0	0.00						
Exhaust Heat	0	0	0.00	0	0.00	0	0	0.00	Exhaust Heat	0	0.00						
Sup. Fan Heat	0	0	1.05	343	1.05	0	0	0.00	OA Preheat Diff.	-27,647	68.88						
Ret. Fan Heat	0	0	0.00	0	0.00	0	0	0.00	RA Preheat Diff.	0	0.00						
Duct Heat Pkup	0	0	0.00	0	0.00	0	0	0.00	Additional Reheat	0	0.00						
Reheat at Design	0	0	0.00	0	0.00	0	0	0.00	System Plenum Heat	0	0.00						
Grand Total ==>	27,650	0	100.00	24,510	100.00	-12,490	-12,490	100.00	Grand Total ==>	-12,490	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	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F			
Main Clg	2.7	32.8	26.9	1,157	76.6	63.2	65.4	55.7	53.7	58.2	Main Htg	-12.5	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	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	Preheat	-27.7	445	0.0	55.7		
Total	2.7	32.8									Humidif	0.0	0	0.0	0.0		
											Opt Vent	0.0	0	0.0	0.0		
											Total	-40.1					

Zone Checksums

By ae

2B

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time: Mo/Hr: 5 / 16					Mo/Hr: 5 / 16					Mo/Hr: 13 / 1					Cooling Heating		
Outside Air: OADB/WB/HR: 79 / 65 / 71					OADB: 79					OADB: 0					SADB	56.0	70.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Space Sens	Coil Peak Tot Sens	Percent Of Total	Plenum	75.0	70.0			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	75.0	70.0			
Envelope Loads																	
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	0	0	0.00	Ret/OA	76.4	0.0			
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	0	0	0.00	Fn MtrTD	0.0	0.0			
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00	0	0	0.00	Fn BldTD	0.1	0.0			
Glass Solar	13,499	0	38.16	13,499	50.15	Glass Solar	0	0.00	0	0	0.00	Fn Frict	0.2	0.0			
Glass Cond	351	0	0.99	351	1.30	Glass Cond	-6,259	15.42	-6,259	-6,259	15.42	AIRFLOWS					
Wall Cond	982	0	2.78	982	3.65	Wall Cond	-3,641	8.97	-3,641	-3,641	8.97	Cooling Heating					
Partition	0	0	0.00	0	0.00	Partition	0	0.00	0	0	0.00	Vent	445	0			
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00	0	0	0.00	Infil	39	39			
Infiltration	435	435	1.23	176	0.65	Infiltration	-3,055	7.52	-3,055	-3,055	7.52	Supply	1,271	0			
Sub Total ==>	15,267	0	43.16	15,008	55.75	Sub Total ==>	-12,955	31.91	-12,955	-12,955	31.91	MinStop/Rh	0	0			
Internal Loads																	
Lights	8,012	0	22.65	8,012	29.76	Lights	0	0.00	0	0	0.00	Return	1,310	0			
People	5,750	0	16.25	2,875	10.68	People	0	0.00	0	0	0.00	Exhaust	484	39			
Misc	1,024	0	2.89	1,024	3.80	Misc	0	0.00	0	0	0.00	Rm Exh	0	0			
Sub Total ==>	14,786	0	41.80	11,911	44.25	Sub Total ==>	0	0.00	0	0	0.00	Auxil	0	0			
Ceiling Load																	
Ceiling Load	0	0	0.00	0	0.00	Ceiling Load	0	0.00	0	0	0.00	ENGINEERING CKS					
Ventilation Load	0	0	13.98	0	0.00	Ventilation Load	0	0.00	0	0	0.00	Cooling Heating					
Ov/Undr Sizing	0	0	0.00	0	0.00	Ov/Undr Sizing	0	0.00	0	0	0.00	% OA	35.0	0.0			
Exhaust Heat	0	0	0.00	0	0.00	Exhaust Heat	0	0.00	0	0	0.00	cfm/ft²	0.81	0.00			
Sup. Fan Heat	0	377	1.06	0	0.00	OA Preheat Diff.	-27,647	68.09	0	0	0.00	cfm/ton	431.11				
Ret. Fan Heat	0	0	0.00	0	0.00	RA Preheat Diff.	0	0.00	0	0	0.00	ft²/ton	531.20				
Duct Heat Pkup	0	0	0.00	0	0.00	Additional Reheat	0	0.00	0	0	0.00	Btu/hr-ft²	22.59	-25.93			
Reheat at Design	0	0	0.00	0	0.00	System Plenum Heat	0	0.00	0	0	0.00	No. People	12				
Grand Total ==>	30,053	0	100.00	26,919	100.00	Grand Total ==>	-12,955	100.00	-12,955	-40,602	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	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F			
Main Clg	3.0	35.4	29.3	1,271	76.4	63.0	64.8	55.7	53.6	58.0	Floor	1,566	-13.0	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	Part	0	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	-27.7	445	0.0	55.7	
											Roof	0	0	0	0	0.0	
Total	3.0	35.4									Wall	1,163	281	24			
											Humidif	0.0	0	0	0.0	0.0	
											Opt Vent	0.0	0	0	0.0	0.0	
											Total	-40.6					

Zone Checksums

By ae

2C

COOLING COIL PEAK					CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 5 / 16			Mo/Hr: 5 / 16		Mo/Hr: 13 / 1						Cooling		Heating
Outside Air:		OADB/WB/HR: 79 / 65 / 71			OADB: 79		OADB: 0						SADB	56.0	70.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Space Sens	Coil Peak Tot Sens	Percent Of Total	Plenum	75.0	70.0	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	75.0	70.0	
Envelope Loads															
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Fn MtrTD	0.0	0.0	
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Fn BldTD	0.1	0.0	
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00	Roof Cond	0	0.00	Fn Frict	0.2	0.0	
Glass Solar	1,296	0	9.83	1,296	15.56	Glass Solar	0	0.00	Glass Solar	0	0.00				
Glass Cond	162	0	1.23	162	1.95	Glass Cond	-2,896	10.03	Glass Cond	-2,896	10.03				
Wall Cond	346	0	2.62	346	4.15	Wall Cond	-1,528	5.29	Wall Cond	-1,528	5.29				
Partition	0	0	0.00	0	0.00	Partition	0	0.00	Partition	0	0.00				
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00	Exposed Floor	0	0.00				
Infiltration	156	0	1.19	84	1.01	Infiltration	-1,463	5.07	Infiltration	-1,463	5.07				
Sub Total ==>	1,960	0	14.88	1,888	22.68	Sub Total ==>	-5,887	20.39	Sub Total ==>	-5,887	20.39				
Internal Loads															
Lights	3,840	0	29.14	3,840	46.11	Lights	0	0.00	Lights	0	0.00				
People	3,150	0	23.91	1,575	18.91	People	0	0.00	People	0	0.00				
Misc	1,024	0	7.77	1,024	12.30	Misc	0	0.00	Misc	0	0.00				
Sub Total ==>	8,014	0	60.82	6,439	77.32	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00				
Ceiling Load															
Ventilation Load	0	0	0.00	0	0.00	Ventilation Load	0	0.00	Ventilation Load	0	0.00				
Ov/Undr Sizing	0	0	0.00	0	0.00	Ov/Undr Sizing	0	0.00	Ov/Undr Sizing	0	0.00				
Exhaust Heat	0	0	0.00	0	0.00	Exhaust Heat	0	0.00	Exhaust Heat	0	0.00				
Sup. Fan Heat	0	116	0.88	0	0.00	OA Preheat Diff.	-22,988	79.61	RA Preheat Diff.	0	0.00				
Ret. Fan Heat	0	0	0.00	0	0.00	Additional Reheat	0	0.00	System Plenum Heat	0	0.00				
Duct Heat Pkup	0	0	0.00	0	0.00	Grand Total ==>	-5,887	28.874	Grand Total ==>	-28,874	100.00				
Reheat at Design	0	0	0.00	0	0.00										
Grand Total ==>	9,974	0	13,176	100.00	8,327	100.00	-5,887	28.874	-5,887	-28,874	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	°F °F gr/lb	°F °F gr/lb	ft²	ft² (%)	MBh	cfm	°F	°F							
Main Clg	1.1	13.2	10.1	393	78.8	65.0	70.6	55.7	54.0	59.6	Floor	750	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	Part	0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	0	0.0	0.0		
Total	1.1	13.2									Roof	0	0	0	0		
											Wall	500	130	26			

TEMPERATURES					AIRFLOWS					ENGINEERING CKS						
SADB	Plenum	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	Cooling	Heating	Vent	Infil	Supply	MinStop/Rh	Return	Exhaust	Rm Exh	Auxil
56.0	75.0	75.0	78.8	0.0	0.1	0.2	370	19	393	0	412	389	0	0	0	0

TEMPERATURES					AIRFLOWS					ENGINEERING CKS				
% OA	cfm/ft²	cfm/ton	ft²/ton	Btu/hr-ft²	No. People	Cooling	Heating	% OA	cfm/ft²	cfm/ton	ft²/ton	Btu/hr-ft²	No. People	
94.1	0.52	358.04	683.04	17.57	6	94.1	0.0	94.1	0.52	358.04	683.04	17.57	6	

Zone Checksums

By ae

2D

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time: Mo/Hr: 5 / 16					Mo/Hr: 5 / 16					Mo/Hr: 13 / 1					Cooling Heating		
Outside Air: OADB/WB/HR: 79 / 65 / 71					OADB: 79					OADB: 0					SADB	56.0	70.0
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return <td>75.0</td> <td>70.0</td>	75.0	70.0						
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA <td>78.3</td> <td>0.0</td>	78.3	0.0						
Envelope Loads												Fn MtrTD	0.0	0.0			
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.1	0.0						
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.2	0.0						
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00									
Glass Solar	2,657	0	17.93	2,657	27.38	Glass Solar	0	0.00									
Glass Cond	101	0	0.68	101	1.04	Glass Cond	-1,804	6.41									
Wall Cond	703	0	4.75	703	7.25	Wall Cond	-1,911	6.79									
Partition	0	0	0.00	0	0.00	Partition	0	0.00									
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00									
Infiltration	177	0	1.19	83	0.86	Infiltration	-1,444	5.13									
Sub Total ==>	3,639	0	24.55	3,545	36.52	Sub Total ==>	-5,159	18.33									
Internal Loads												AIRFLOWS					
Lights	3,788	0	25.56	3,788	39.03	Lights	0	0.00	Vent	370	0						
People	2,700	0	18.21	1,350	13.91	People	0	0.00	Infil	19	19						
Misc	1,024	0	6.91	1,024	10.55	Misc	0	0.00	Supply	458	0						
Sub Total ==>	7,512	0	50.68	6,162	63.48	Sub Total ==>	0	0.00	MinStop/Rh	0	0						
Ceiling Load												Return					
Ventilation Load	0	0	0.00	0	0.00	Ventilation Load	0	0.00	Exhaust	477	0						
Ov/Undr Sizing	0	0	0.00	0	0.00	Ov/Undr Sizing	0	0.00	Rm Exh	0	0						
Exhaust Heat	0	0	0.00	0	0.00	Exhaust Heat	0	0.00	Auxil	0	0						
Sup. Fan Heat	0	136	0.92	0	0.00	OA Preheat Diff.	-22,988	81.67									
Ret. Fan Heat	0	0	0.00	0	0.00	RA Preheat Diff.	0	0.00									
Duct Heat Pkup	0	0	0.00	0	0.00	Additional Reheat	0	0.00									
Reheat at Design	0	0	0.00	0	0.00	System Plenum Heat	0	0.00									
Grand Total ==>	11,151	0	14,823	9,708	100.00	Grand Total ==>	-5,159	-28,147	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	°F	°F	°F	°F	ft²	ft²	(%)	MBh	cfm	°F	°F				
Main Clg	1.2	14.8	11.5	458	78.3	64.6	69.5	55.7	53.9	59.3	Main Htg	-5.2	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	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	Preheat	-23.0	370	0.0	55.7		
Total	1.2	14.8									Humidif	0.0	0	0.0	0.0		
											Opt Vent	0.0	0	0.0	0.0		
											Total	-28.2					

Zone Checksums

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2E

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time: Mo/Hr: 5 / 16					Mo/Hr: 5 / 16					Mo/Hr: 13 / 1					Cooling Heating		
Outside Air: OADB/WB/HR: 79 / 65 / 71					OADB: 79					OADB: 0					SADB 56.0 70.0		
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total (%)				Plenum 75.0 70.0					
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h					Return 75.0 70.0					
Envelope Loads													Ret/OA 78.2 0.0				
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00				Fn MtrTD 0.0 0.0					
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00				Fn BldTD 0.1 0.0					
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00				Fn Frict 0.2 0.0					
Glass Solar	3,463	0	18.90	3,463	28.69	Glass Solar	0	0.00									
Glass Cond	297	0	1.62	297	2.46	Glass Cond	-5,301	14.60									
Wall Cond	415	0	2.26	415	3.44	Wall Cond	-1,468	4.04									
Partition	0	0	0.00	0	0.00	Partition	0	0.00									
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00									
Infiltration	228	0	1.24	109	0.90	Infiltration	-1,894	5.22									
Sub Total ==>	4,403	0	24.03	4,403	35.50	Sub Total ==>	-8,663	23.86									
Internal Loads																	
Lights	4,971	0	27.13	4,971	41.19	Lights	0	0.00									
People	3,580	0	19.54	1,790	14.83	People	0	0.00									
Misc	1,024	0	5.59	1,024	8.48	Misc	0	0.00									
Sub Total ==>	9,575	0	52.25	7,785	64.50	Sub Total ==>	0	0.00									
Ceiling Load																	
Ventilation Load	0	0	0.00	0	0.00	Ventilation Load	0	0.00									
Ov/Undr Sizing	0	0	0.00	0	0.00	Ov/Undr Sizing	0	0.00									
Exhaust Heat	0	0	0.00	0	0.00	Exhaust Heat	0	0.00									
Sup. Fan Heat	0	169	0.92	0	0.00	OA Preheat Diff.	-27,647	76.14									
Ret. Fan Heat	0	0	0.00	0	0.00	RA Preheat Diff.	0	0.00									
Duct Heat Pkup	0	0	0.00	0	0.00	Additional Reheat	0	0.00									
Reheat at Design	0	0	0.00	0	0.00	System Plenum Heat	0	0.00									
Grand Total ==>	13,978	0	100.00	12,070	100.00	Grand Total ==>	-8,663	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	°F	°F	ft²	(%)	MBh	cfm	°F	°F				
Main Clg	1.5	18.3	14.2	570	78.2	64.6	69.4	971		Main Htg	-8.7	0	0.0	0.0			
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	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		Preheat	-27.7	445	0.0	55.7			
Total	1.5	18.3						694	238	Humidif	0.0	0	0.0	0.0			
										Opt Vent	0.0	0	0.0	0.0			
										Total	-36.3						

Zone Checksums

By ae

2F

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 5 / 16			Mo/Hr: 5 / 16		Mo/Hr: 13 / 1			Cooling		Heating					
Outside Air:		OADB/WB/HR: 79 / 65 / 71			OADB: 79		OADB: 0			SADB		70.0					
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total (%)	Return <th>Ret/OA <th>Fn MtrTD <th>Fn BldTD <th>Fn Frict <td colspan="3"></td> </th></th></th></th>	Ret/OA <th>Fn MtrTD <th>Fn BldTD <th>Fn Frict <td colspan="3"></td> </th></th></th>	Fn MtrTD <th>Fn BldTD <th>Fn Frict <td colspan="3"></td> </th></th>	Fn BldTD <th>Fn Frict <td colspan="3"></td> </th>	Fn Frict <td colspan="3"></td>				
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h										
Envelope Loads																	
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	Skylite Solar	0	0	0.00					
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	Skylite Cond	0	0	0.00					
Roof Cond	0	0	0.00	0	0.00	0	0	0.00	Roof Cond	0	0	0.00					
Glass Solar	9,240	0	35.51	9,240	49.17	0	0	0.00	Glass Solar	0	0	0.00					
Glass Cond	329	0	1.26	329	1.75	-5,858	-5,858	15.94	Glass Cond	-5,858	-5,858	15.94					
Wall Cond	809	0	3.11	809	4.30	-1,206	-1,206	3.28	Wall Cond	-1,206	-1,206	3.28					
Partition	0	0	0.00	0	0.00	0	0	0.00	Partition	0	0	0.00					
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	Exposed Floor	0	0	0.00					
Infiltration	283	283	1.09	117	0.62	-2,029	-2,029	5.52	Infiltration	-2,029	-2,029	5.52					
Sub Total ==>	10,661	0	40.97	10,494	55.84	-9,093	-9,093	24.75	Sub Total ==>	-9,093	-9,093	24.75					
Internal Loads																	
Lights	5,324	0	20.46	5,324	28.33	0	0	0.00	Lights	0	0	0.00					
People	3,900	0	14.99	1,950	10.38	0	0	0.00	People	0	0	0.00					
Misc	1,024	0	3.94	1,024	5.45	0	0	0.00	Misc	0	0	0.00					
Sub Total ==>	10,248	0	39.39	8,298	44.16	0	0	0.00	Sub Total ==>	0	0	0.00					
Ceiling Load																	
Ventilation Load	0	0	0.00	0	0.00	0	0	0.00	Ventilation Load	0	0	0.00					
Ov/Undr Sizing	0	0	0.00	0	0.00	0	0	0.00	Ov/Undr Sizing	0	0	0.00					
Exhaust Heat	0	0	0.00	0	0.00	0	0	0.00	Exhaust Heat	0	0	0.00					
Sup. Fan Heat	0	263	1.01	0	0.00	0	-27,647	75.25	OA Preheat Diff.	-27,647	75.25						
Ret. Fan Heat	0	0	0.00	0	0.00	0	0	0.00	RA Preheat Diff.	0	0.00						
Duct Heat Pkup	0	0	0.00	0	0.00	0	0	0.00	Additional Reheat	0	0.00						
Reheat at Design	0	0	0.00	0	0.00	0	0	0.00	System Plenum Heat	0	0.00						
Grand Total ==>	20,909	0	100.00	18,792	100.00	-9,093	-36,740	100.00	Grand Total ==>	-9,093	-36,740	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	°F °F gr/lb	°F °F gr/lb		ft² (%)	MBh	cfm	°F	°F									
Main Clg	2.2	26.0	21.1	887	77.0	63.6	66.4	55.7	53.7	58.4	Floor	1,040			Main Htg	-9.1	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	Part	0			Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0			Preheat	-27.7	445	0.0	55.7
Total	2.2	26.0									Roof	0	0	0	Humidif	0.0	0	0.0	0.0
											Wall	638	263	41	Opt Vent	0.0	0	0.0	0.0
											Total	-36.7							

Zone Checksums

By ae

3A

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time: Mo/Hr: 5 / 16					Mo/Hr: 5 / 16					Mo/Hr: 13 / 1					Cooling Heating		
Outside Air: OADB/WB/HR: 79 / 65 / 71					OADB: 79					OADB: 0					SADB 56.0 70.0		
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total (%)				Plenum 75.0 70.0					
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h					Return 75.0 70.0					
Envelope Loads													Ret/OA 76.6 0.0				
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	Envelope Loads			Fn MtrTD 0.0 0.0					
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	Skylite Solar	0	0	0.00	Fn BldTD 0.1 0.0				
Roof Cond	0	0	0.00	0	0.00	0	0	0.00	Skylite Cond	0	0	0.00	Fn Frict 0.2 0.0				
Glass Solar	10,540	0	33.43	10,540	45.11	0	0	0.00	Roof Cond	0	0	0.00					
Glass Cond	295	0	0.94	295	1.26	0	-5,268	13.41	Glass Solar	0	0	0.00					
Wall Cond	603	0	1.91	603	2.58	-5,268	-3,372	8.59	Glass Cond	-5,268	-5,268	13.41					
Partition	0	0	0.00	0	0.00	-3,372	0	0.00	Wall Cond	-3,372	-3,372	8.59					
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	Partition	0	0	0.00					
Infiltration	404	0	1.28	404	1.68	0	0	0.00	Exposed Floor	0	0	0.00					
Sub Total ==>	11,843	0	37.56	11,843	49.69	-2,987	-2,987	7.60	Infiltration	-2,987	-2,987	7.60					
						Sub Total ==>	-11,627	29.60	Sub Total ==>	-11,627	-11,627	29.60					
Internal Loads																	
Lights	7,833	0	24.84	7,833	33.52	0	0	0.00	Internal Loads			Vent 445 0					
People	5,800	0	18.40	2,900	12.41	0	0	0.00	Lights	0	0	0.00	Infil 38 38				
Misc	1,024	0	3.25	1,024	4.38	0	0	0.00	People	0	0	0.00	Supply 1,103 0				
Sub Total ==>	14,657	0	46.49	11,757	50.31	0	0	0.00	Misc	0	0	0.00	MinStop/Rh 0 0				
						Sub Total ==>	0	0.00	Sub Total ==>	0	0	0.00	Return 1,142 0				
Ceiling Load													Exhaust 483 38				
Ventilation Load	0	0	0.00	0	0.00	0	0	0.00	Lights	0	0	0.00	Rm Exh 0 0				
Ov/Undr Sizing	0	0	0.00	0	0.00	0	0	0.00	People	0	0	0.00	Auxil 0 0				
Exhaust Heat	0	0	0.00	0	0.00	0	0	0.00	People	0	0	0.00					
Sup. Fan Heat	0	327	1.04	0	0.00	0	-27,647	70.40	Misc	0	0	0.00					
Ret. Fan Heat	0	0	0.00	0	0.00	0	0	0.00	Sub Total ==>	0	0	0.00					
Duct Heat Pkup	0	0	0.00	0	0.00	0	0	0.00	Sub Total ==>	0	0	0.00					
Reheat at Design	0	0	0.00	0	0.00	0	0	0.00	Sub Total ==>	0	0	0.00					
Grand Total ==>	26,500	0	100.00	23,367	100.00	Grand Total ==>	-11,627	-39,274	100.00				ENGINEERING CKS				
													% OA 40.3 0.0				
													cfm/ft² 0.72 0.00				
													cfm/ton 419.92				
													ft³/ton 582.72				
													Btu/hr-ft² 20.59 -25.65				
													No. People 12				

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	°F	°F	gr/lb	°F	°F	gr/lb	ft² (%)	MBh	cfm	°F	°F				
Main Clg	2.6	31.5	25.7	1,103	76.6	63.3	65.8	55.7	53.7	58.3	Floor	1,531	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	Part	0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	445	0.0	55.7		
Total	2.6	31.5									Roof	0	0	0.0	0.0		
											Wall	1,053	237	0.0	0.0		
											Total	-39.3					

Zone Checksums

By ae

3B

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time: Mo/Hr: 5 / 16					Mo/Hr: 5 / 16					Mo/Hr: 13 / 1					Cooling Heating		
Outside Air: OADB/WB/HR: 79 / 65 / 71					OADB: 79					OADB: 0					SADB	56.0	70.0
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	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict		
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	0.00	0	0.00	0	0	0.00	Skylite Solar	0	0	0.00					
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	Skylite Cond	0	0	0.00					
Roof Cond	0	0	0.00	0	0.00	0	0	0.00	Roof Cond	0	0	0.00					
Glass Solar	13,355	0	38.00	13,355	50.01	0	0	0.00	Glass Solar	0	0	0.00					
Glass Cond	347	0	0.99	347	1.30	-6,181	-6,181	15.35	Glass Cond	-6,181	15.35						
Wall Cond	915	0	2.60	915	3.43	-3,381	-3,381	8.40	Wall Cond	-3,381	8.40						
Partition	0	0	0.00	0	0.00	0	0	0.00	Partition	0	0.00						
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	Exposed Floor	0	0.00						
Infiltration	434	0	1.24	434	1.66	-3,055	-3,055	7.59	Infiltration	-3,055	7.59						
Sub Total ==>	15,051	0	42.83	15,051	55.40	-12,617	-12,617	31.34	Sub Total ==>	-12,617	31.34						
Internal Loads					Internal Loads					Internal Loads							
Lights	8,012	0	22.80	8,012	30.00	0	0	0.00	Lights	0	0.00						
People	5,750	0	16.36	2,875	10.77	0	0	0.00	People	0	0.00						
Misc	1,024	0	2.91	1,024	3.83	0	0	0.00	Misc	0	0.00						
Sub Total ==>	14,786	0	42.07	11,911	44.60	0	0	0.00	Sub Total ==>	0	0.00						
Ceiling Load	0	0	0.00	0	0.00	0	0	0.00	Ceiling Load	0	0.00						
Ventilation Load	0	0	14.04	0	0.00	0	0	0.00	Ventilation Load	0	0.00						
Ov/Undr Sizing	0	0	0.00	0	0.00	0	0	0.00	Ov/Undr Sizing	0	0.00						
Exhaust Heat	0	0	0.00	0	0.00	0	0	0.00	Exhaust Heat	0	0.00						
Sup. Fan Heat	0	0	1.06	374	1.36	0	0	0.00	OA Preheat Diff.	-27,647	68.66						
Ret. Fan Heat	0	0	0.00	0	0.00	0	0	0.00	RA Preheat Diff.	0	0.00						
Duct Heat Pkup	0	0	0.00	0	0.00	0	0	0.00	Additional Reheat	0	0.00						
Reheat at Design	0	0	0.00	0	0.00	0	0	0.00	System Plenum Heat	0	0.00						
Grand Total ==>	29,837	0	100.00	26,704	100.00	-12,617	-12,617	100.00	Grand Total ==>	-12,617	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	°F	°F	gr/lb	°F	°F	gr/lb		ft² (%)	MBh	cfm	°F	°F			
Main Clg	2.9	35.1	29.1	76.4	63.0	64.8	55.7	53.6	58.0	Floor	1,566	-12.6	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	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	ExFlr	0	0	0	0.0	55.7		
Total	2.9	35.1								Roof	0	0	0	0.0	0.0		
										Wall	1,096	278	25	0.0	0.0		
										Total	-40.3	0	0	0.0	0.0		

Zone Checksums

By ae

3C

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time: Mo/Hr: 5 / 16					Mo/Hr: 5 / 16					Mo/Hr: 13 / 1					Cooling Heating		
Outside Air: OADB/WB/HR: 79 / 65 / 71					OADB: 79					OADB: 0					SADB	56.0	70.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total (%)	Plenum	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict			
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h			
Envelope Loads																	
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	Skylite Solar	0	0	0.00					
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	Skylite Cond	0	0	0.00					
Roof Cond	0	0	0.00	0	0.00	0	0	0.00	Roof Cond	0	0	0.00					
Glass Solar	1,156	0	8.85	1,156	14.04	0	0	0.00	Glass Solar	0	0	0.00					
Glass Cond	145	0	1.11	145	1.76	-2,584	-2,584	8.92	Glass Cond	-2,584	-2,584	8.92					
Wall Cond	409	0	3.13	409	4.97	-1,930	-1,930	6.66	Wall Cond	-1,930	-1,930	6.66					
Partition	0	0	0.00	0	0.00	0	0	0.00	Partition	0	0	0.00					
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	Exposed Floor	0	0	0.00					
Infiltration	155	0	1.19	155	1.92	-1,463	-1,463	5.05	Infiltration	-1,463	-1,463	5.05					
Sub Total ==>	1,865	0	14.28	1,865	21.79	-5,977	-5,977	20.64	Sub Total ==>	-5,977	-5,977	20.64					
Internal Loads																	
Lights	3,840	0	29.40	3,840	46.64	0	0	0.00	Lights	0	0	0.00					
People	3,150	0	24.12	3,150	19.13	0	0	0.00	People	0	0	0.00					
Misc	1,024	0	7.84	1,024	12.44	0	0	0.00	Misc	0	0	0.00					
Sub Total ==>	8,014	0	61.36	8,014	78.21	0	0	0.00	Sub Total ==>	0	0	0.00					
Ceiling Load																	
Ventilation Load	0	0	0.00	0	0.00	0	0	0.00	Ventilation Load	0	0	0.00					
Ov/Undr Sizing	0	0	0.00	0	0.00	0	0	0.00	Ov/Undr Sizing	0	0	0.00					
Exhaust Heat	0	0	0.00	0	0.00	0	0	0.00	Exhaust Heat	0	0	0.00					
Sup. Fan Heat	0	115	0.88	0	0.00	0	0	0.00	OA Preheat Diff.	-22,988	79.36						
Ret. Fan Heat	0	0	0.00	0	0.00	0	0	0.00	RA Preheat Diff.	0	0.00						
Duct Heat Pkup	0	0	0.00	0	0.00	0	0	0.00	Additional Reheat	0	0.00						
Reheat at Design	0	0	0.00	0	0.00	0	0	0.00	System Plenum Heat	0	0.00						
Grand Total ==>	9,879	0	100.00	13,059	100.00	-5,977	-28,964	100.00	Grand Total ==>	-5,977	-28,964	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	°F	°F	gr/lb	°F	°F	gr/lb	ft²	ft² (%)	MBh	cfm	°F	°F				
Main Clg	1.1	13.1	10.0	389	78.8	65.1	70.7	55.7	54.0	59.6	Floor	750	-6.0	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	Part	0	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	0.0	0	0.0	0.0		
Total	1.1	13.1									Roof	0	0	0	0	0.0		
											Wall	583	-23.0	370	0.0	55.7		
											Humidif	0.0	0.0	0	0.0	0.0		
											Opt Vent	0.0	0	0	0.0	0.0		
											Total	-29.0						

Zone Checksums

By ae

3D

COOLING COIL PEAK					CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 5 / 16			Mo/Hr: 5 / 16		Mo/Hr: 13 / 1		Mo/Hr: 13 / 1				Cooling		Heating
Outside Air:		OADB/WB/HR: 79 / 65 / 71			OADB: 79		OADB: 79		OADB: 0		OADB: 0		SADB	56.0	70.0
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	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)				
Envelope Loads															
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0.0	0.0
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0.0	0.0
Roof Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0.0	0.0
Glass Solar	2,297	0	16.02	2,297	24.70	0	0	0.00	0	0	0.00	0	0	0.0	0.0
Glass Cond	87	0	0.61	87	0.94	-1,559	-1,559	5.61	-1,559	-1,559	5.61	78.4	0.0	0.0	0.0
Wall Cond	667	0	4.65	667	7.17	-1,813	-1,813	6.52	-1,813	-1,813	6.52	0.0	0.1	0.0	0.0
Partition	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0	0.0	0.0	0.0
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0	0.0	0.0	0.0
Infiltration	173	0	1.21	173	1.89	-1,444	-1,444	5.19	-1,444	-1,444	5.19	0.0	0.0	0.0	0.0
Sub Total ==>	3,224	0	22.49	3,224	33.71	-4,816	-4,816	17.32	-4,816	-4,816	17.32				
Internal Loads															
Lights	3,788	0	26.43	3,788	40.75	0	0	0.00	0	0	0.00	0	0	0	0
People	2,700	0	18.84	2,700	14.52	0	0	0.00	0	0	0.00	0	0	0	0
Misc	1,024	0	7.14	1,024	11.01	0	0	0.00	0	0	0.00	0	0	0	0
Sub Total ==>	7,512	0	52.41	7,512	66.29	0	0	0.00	0	0	0.00				
Ceiling Load															
Ventilation Load	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0	0
Ov/Undr Sizing	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0	0
Exhaust Heat	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0	0
Sup. Fan Heat	0	0	0.00	130	0.91	0	0	0.00	0	0	0.00	0	0	0	0
Ret. Fan Heat	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0	0
Duct Heat Pkup	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0	0
Reheat at Design	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0	0
Grand Total ==>	10,736	0	100.00	14,335	100.00	-4,816	-4,816	100.00	-4,816	-27,803	100.00				

AIRFLOWS															
		Cooling		Heating											
Vent		370		0											
Infil		19		19											
Supply		439		0											
MinStop/Rh		0		0											
Return		457		0											
Exhaust		389		19											
Rm Exh		0		0											
Auxil		0		0											

ENGINEERING CKS															
		Cooling		Heating											
% OA		84.3		0.0											
cfm/ft²		0.59		0.00											
cfm/ton		367.43		0.00											
ft²/ton		619.48		0.00											
Btu/hr-ft²		19.37		-37.57											
No. People		5		0											

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	°F	°F	gr/lb	°F	°F	gr/lb	MBh	cfm	°F	°F						
Main Clg	1.2	14.3	11.1	439	78.4	64.7	69.8	55.7	54.0	59.4			Main Htg	-4.8	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			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			Preheat	-23.0	370	0.0	55.7	
Total	1.2	14.3											Humidif	0.0	0	0.0	0.0	
													Opt Vent	0.0	0	0.0	0.0	
													Total	-27.8				

Zone Checksums

By ae

3E

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 5 / 16			Mo/Hr: 5 / 16		Mo/Hr: 13 / 1					Cooling Heating		
Outside Air:		OADB/WB/HR: 79 / 65 / 71			OADB: 79		OADB: 0					SADB	56.0	70.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total				Plenum	75.0	70.0
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)				Return	75.0	70.0
Envelope Loads					Envelope Loads			Envelope Loads				Ret/OA		
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00				Fn MtrTD	0.0	0.0
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00				Fn BldTD	0.1	0.0
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00				Fn Frict	0.2	0.0
Glass Solar	2,093	0	12.61	2,093	19.69	Glass Solar	0	0.00				AIRFLOWS		
Glass Cond	262	0	1.58	262	2.47	Glass Cond	-4,678	13.19				Vent	445	0
Wall Cond	275	0	1.66	275	2.59	Wall Cond	-1,208	3.41				Infil	25	25
Partition	0	0	0.00	0	0.00	Partition	0	0.00				Supply	502	0
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00				MinStop/Rh	0	0
Infiltration	215	215	1.30	111	1.04	Infiltration	-1,922	5.42				Return	527	0
Sub Total ==>	2,846	0	17.14	2,741	25.78	Sub Total ==>	-7,807	22.02				Exhaust	470	25
Internal Loads					Internal Loads			Internal Loads				Rm Exh		
Lights	5,043	0	30.37	5,043	47.43	Lights	0	0.00				Auxil	0	0
People	3,650	0	21.98	1,825	17.16	People	0	0.00				ENGINEERING CKS		
Misc	1,024	0	6.17	1,024	9.63	Misc	0	0.00				% OA	88.6	0.0
Sub Total ==>	9,717	0	58.52	7,892	74.22	Sub Total ==>	0	0.00				cfm/ft²	0.51	0.00
Ceiling Load					Ceiling Load			Ceiling Load				cfm/ton		
Ventilation Load	0	0	0.00	0	0.00	Ventilation Load	0	0.00				ft²/ton	711.89	
Ov/Undr Sizing	0	0	0.00	0	0.00	Ov/Undr Sizing	0	0.00				Btu/hr-ft²	16.86	-35.99
Exhaust Heat	0	0	0.00	0	0.00	Exhaust Heat	0	0.00				No. People	7	
Sup. Fan Heat	0	149	0.90	0	0.00	OA Preheat Diff.	-27,647	77.98						
Ret. Fan Heat	0	0	0.00	0	0.00	RA Preheat Diff.	0	0.00						
Duct Heat Pkup	0	0	0.00	0	0.00	Additional Reheat	0	0.00						
Reheat at Design	0	0	0.00	0	0.00	System Plenum Heat	0	0.00						
Grand Total ==>	12,562	0	16,604	100.00	10,633	100.00	Grand Total ==>	-7,807	-35,454	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	Glass (%)	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb							
Main Clg	1.4	16.6	12.8	502	78.6	64.9	70.2	55.7	54.0	59.5	Floor	985	Main Htg	-7.8	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	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	Preheat	-27.7	445	0.0	55.7
Total	1.4	16.6									Roof	0	Humidif	0.0	0	0.0	0.0
											Wall	585	Opt Vent	0.0	0	0.0	0.0
													Total	-35.5			

Zone Checksums

By ae

3F

COOLING COIL PEAK					CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 5 / 16			Mo/Hr: 5 / 16		Mo/Hr: 13 / 1						Cooling		Heating
Outside Air:		OADB/WB/HR: 79 / 65 / 71			OADB: 79		OADB: 0						SADB	56.0	70.0
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Space Sens	Coil Peak Tot Sens	Percent Of Total	Plenum	75.0	70.0	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	75.0	70.0	
Envelope Loads															
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Ret/OA	77.4	0.0	
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Fn MtrTD	0.0	0.0	
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00	Roof Cond	0	0.00	Fn BldTD	0.1	0.0	
Glass Solar	6,607	0	28.66	6,607	40.87	Glass Solar	0	0.00	Glass Solar	0	0.00	Fn Frict	0.2	0.0	
Glass Cond	270	0	1.17	270	1.67	Glass Cond	-4,811	13.38	Glass Cond	-4,811	13.38				
Wall Cond	906	0	3.93	906	5.61	Wall Cond	-1,452	4.04	Wall Cond	-1,452	4.04				
Partition	0	0	0.00	0	0.00	Partition	0	0.00	Partition	0	0.00				
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00	Exposed Floor	0	0.00				
Infiltration	277	0	1.20	118	0.73	Infiltration	-2,058	5.72	Infiltration	-2,058	5.72				
Sub Total ==>	8,060	0	34.96	7,902	48.88	Sub Total ==>	-8,321	23.13	Sub Total ==>	-8,321	23.13				
Internal Loads															
Lights	5,401	0	23.43	5,401	33.41	Lights	0	0.00	Lights	0	0.00	Vent	445	0	
People	3,675	0	15.94	1,838	11.37	People	0	0.00	People	0	0.00	Infil	26	26	
Misc	1,024	0	4.44	1,024	6.33	Misc	0	0.00	Misc	0	0.00	Supply	763	0	
Sub Total ==>	10,100	0	43.82	8,262	51.12	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	MinStop/Rh	0	0	
Ceiling Load															
Lights	0	0	0.00	0	0.00	Lights	0	0.00	Lights	0	0.00	Return	790	0	
Ventilation Load	0	0	20.24	0	0.00	Ventilation Load	0	0.00	Ventilation Load	0	0.00	Exhaust	471	26	
Ov/Undr Sizing	0	0	0.00	0	0.00	Ov/Undr Sizing	0	0.00	Ov/Undr Sizing	0	0.00	Rm Exh	0	0	
Exhaust Heat	0	0	0.00	0	0.00	Exhaust Heat	0	0.00	Exhaust Heat	0	0.00	Auxil	0	0	
Sup. Fan Heat	0	226	0.98	0	0.00	OA Preheat Diff.	-27,647	76.87	RA Preheat Diff.	0	0.00				
Ret. Fan Heat	0	0	0.00	0	0.00	Additional Reheat	0	0.00	System Plenum Heat	0	0.00				
Duct Heat Pkup	0	0	0.00	0	0.00	Grand Total ==>	-8,321	-35,969	Grand Total ==>	-8,321	-35,969				
Reheat at Design	0	0	0.00	0	0.00										
Grand Total ==>	18,160	0	23,051	100.00	16,164	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	ft² (%)	MBh	cfm	°F	°F							
Main Clg	1.9	23.1	18.4	763	77.4	63.9	67.4	55.7	53.8	58.7	Floor	1,055	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	Part	0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	0	0.0	0.0		
Total	1.9	23.1									Roof	0	0	0	0		
											Wall	667	216	32			

HEATING COIL SELECTION				
Capacity	Coil Airflow	Ent	Lvg	
MBh	cfm	°F	°F	
Main Htg	-8.3	0	0.0	0.0
Aux Htg	0.0	0	0.0	0.0
Preheat	-27.7	445	0.0	55.7
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-36.0			

Zone Checksums

By ae

4A

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time: Mo/Hr: 5 / 16					Mo/Hr: 5 / 16					Mo/Hr: 13 / 1					Cooling Heating		
Outside Air: OADB/WB/HR: 79 / 65 / 71					OADB: 79					OADB: 0					SADB	56.0	70.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return <td>75.0</td> <td>70.0</td>	75.0	70.0						
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA <td>76.6</td> <td>0.0</td>	76.6	0.0						
Envelope Loads												Fn MtrTD	0.0	0.0			
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.1	0.0						
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.2	0.0						
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00									
Glass Solar	10,478	0	33.30	10,478	44.96	Glass Solar	0	0.00									
Glass Cond	294	0	0.94	294	1.26	Glass Cond	-5,246	13.36									
Wall Cond	606	0	1.93	606	2.60	Wall Cond	-3,397	8.65									
Partition	0	0	0.00	0	0.00	Partition	0	0.00									
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00									
Infiltration	404	0	1.28	172	0.74	Infiltration	-2,987	7.60									
Sub Total ==>	11,783	0	37.45	11,551	49.56	Sub Total ==>	-11,629	29.61									
Internal Loads												AIRFLOWS					
Lights	7,833	0	24.90	7,833	33.61	Lights	0	0.00	Vent	445	0						
People	5,800	0	18.43	2,900	12.44	People	0	0.00	Infil	38	38						
Misc	1,024	0	3.25	1,024	4.39	Misc	0	0.00	Supply	1,100	0						
Sub Total ==>	14,657	0	46.58	11,757	50.44	Sub Total ==>	0	0.00	MinStop/Rh	0	0						
Ceiling Load												Return	1,139	0			
Ventilation Load	0	0	0.00	0	0.00	Ventilation Load	0	0.00	Exhaust	483	38						
Ov/Undr Sizing	0	0	0.00	0	0.00	Ov/Undr Sizing	0	0.00	Rm Exh	0	0						
Exhaust Heat	0	0	0.00	0	0.00	Exhaust Heat	0	0.00	Auxil	0	0						
Sup. Fan Heat	0	326	1.04	0	0.00	OA Preheat Diff.	-27,647	70.39									
Ret. Fan Heat	0	0	0.00	0	0.00	RA Preheat Diff.	0	0.00									
Duct Heat Pkup	0	0	0.00	0	0.00	Additional Reheat	0	0.00									
Reheat at Design	0	0	0.00	0	0.00	System Plenum Heat	0	0.00									
Grand Total ==>	26,440	0	100.00	23,308	100.00	Grand Total ==>	-11,629	-39,276									

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	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F			
Main Clg	2.6	31.5	25.6	1,100	76.6	63.3	65.8	55.7	53.7	58.3	Main Htg	-11.6	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	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	Preheat	-27.7	445	0.0	55.7		
Total	2.6	31.5									Humidif	0.0	0	0.0	0.0		
											Opt Vent	0.0	0	0.0	0.0		
											Total	-39.3					

Zone Checksums

By ae

4B

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time: Mo/Hr: 5 / 16					Mo/Hr: 5 / 16					Mo/Hr: 13 / 1					Cooling Heating		
Outside Air: OADB/WB/HR: 79 / 65 / 71					OADB: 79					OADB: 0					SADB 56.0 70.0		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total (%)				Plenum 75.0 70.0					
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h					Return 75.0 70.0					
Envelope Loads													Ret/OA 76.5 0.0				
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00				Fn MtrTD 0.0 0.0					
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00				Fn BldTD 0.1 0.0					
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00				Fn Frict 0.2 0.0					
Glass Solar	11,552	0	34.87	11,552	46.51	Glass Solar	0	0.00									
Glass Cond	303	0	0.91	303	1.22	Glass Cond	-5,402	13.69									
Wall Cond	897	0	2.71	897	3.61	Wall Cond	-3,354	8.50									
Partition	0	0	0.00	0	0.00	Partition	0	0.00									
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00									
Infiltration	424	0	1.28	424	1.76	Infiltration	-3,055	7.74									
Sub Total ==>	13,175	0	39.78	13,175	52.05	Sub Total ==>	-11,810	29.93									
Internal Loads																	
Lights	8,012	0	24.19	8,012	32.26	Lights	0	0.00									
People	5,750	0	17.36	2,875	11.57	People	0	0.00									
Misc	1,024	0	3.09	1,024	4.12	Misc	0	0.00									
Sub Total ==>	14,786	0	44.64	11,911	47.95	Sub Total ==>	0	0.00									
Ceiling Load																	
Ventilation Load	0	0	0.00	0	0.00	Ceiling Load	0	0.00									
Ov/Undr Sizing	0	0	0.00	0	0.00	Ventilation Load	0	0.00									
Exhaust Heat	0	0	0.00	0	0.00	Ov/Undr Sizing	0	0.00									
Sup. Fan Heat	0	347	1.05	0	0.00	Exhaust Heat	0	0.00									
Ret. Fan Heat	0	0	0.00	0	0.00	OA Preheat Diff.	-27,647	70.07									
Duct Heat Pkup	0	0	0.00	0	0.00	RA Preheat Diff.	0	0.00									
Reheat at Design	0	0	0.00	0	0.00	Additional Reheat	0	0.00									
Grand Total ==>	27,961	0	100.00	24,839	100.00	Grand Total ==>	-11,810	-39,457	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	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	MBh	°F	°F	gr/lb	°F	°F	gr/lb	ft²	ft² (%)	MBh	cfm	°F	°F			
Main Clg	2.8	33.1	27.2	1,173	76.5	63.2	65.3	55.7	53.6	58.1	Floor	1,566	-11.8	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	Part	0	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	-27.7	445	0.0	55.7	
Total	2.8	33.1									Roof	0	0.0	0	0.0	0.0	
											Wall	1,055	0.0	0	0.0	0.0	
											Total	-39.5					

Zone Checksums

By ae

4C

COOLING COIL PEAK					CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 5 / 16			Mo/Hr: 5 / 16		Mo/Hr: 13 / 1						Cooling		Heating
Outside Air:		OADB/WB/HR: 79 / 65 / 71			OADB: 79		OADB: 0						SADB	56.0	70.0
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	Ret/OA			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Fn MtrTD			
Envelope Loads															
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	Fn BldTD	0.0	0.0	
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	Fn Frict	0.1	0.0	
Roof Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00		0.2	0.0	
Glass Solar	1,156	0	8.93	1,156	14.20	0	0	0.00	0	0	0.00				
Glass Cond	145	0	1.12	145	1.78	-2,584	-2,584	9.08	-2,584	-2,584	9.08				
Wall Cond	321	0	2.48	321	3.94	-1,421	-1,421	4.99	-1,421	-1,421	4.99				
Partition	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00				
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00				
Infiltration	154	0	1.19	84	1.03	-1,463	-1,463	5.14	-1,463	-1,463	5.14				
Sub Total ==>	1,777	0	13.72	1,707	20.95	-5,468	-5,468	19.21	-5,468	-5,468	19.21				
Internal Loads															
Lights	3,840	0	29.65	3,840	47.14	0	0	0.00	0	0	0.00				
People	3,150	0	24.32	1,575	19.34	0	0	0.00	0	0	0.00				
Misc	1,024	0	7.91	1,024	12.57	0	0	0.00	0	0	0.00				
Sub Total ==>	8,014	0	61.88	6,439	79.05	0	0	0.00	0	0	0.00				
Ceiling Load															
Ventilation Load	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00				
Ov/Undr Sizing	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00				
Exhaust Heat	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00				
Sup. Fan Heat	0	0	0.88	114	0.88	0	0	0.00	0	0	0.00				
Ret. Fan Heat	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00				
Duct Heat Pkup	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00				
Reheat at Design	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00				
Grand Total ==>	9,790	0	100.00	8,145	100.00	-5,468	-28,455	100.00	-5,468	-28,455	100.00				

AIRFLOWS			ENGINEERING CKS		
	Cooling	Heating		Cooling	Heating
Vent	370	0	% OA	96.2	0.0
Infil	19	19	cfm/ft²	0.51	0.00
Supply	385	0	cfm/ton	356.36	
MinStop/Rh	0	0	ft²/ton	694.99	
Return	403	0	Btu/hr-ft²	17.27	-37.94
Exhaust	389	19	No. People	6	
Rm Exh	0	0			
Auxil	0	0			

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		ft²	(%)	MBh	cfm	°F	°F				
Main Clg	1.1	13.0	9.9	385	78.9	65.1	70.7	55.7	54.0	59.6	Main Htg	-5.5	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	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	Preheat	-23.0	370	0.0	55.7		
Total	1.1	13.0									Humidif	0.0	0	0.0	0.0		
											Opt Vent	0.0	0	0.0	0.0		
											Total	-28.5					

Zone Checksums

By ae

4D

COOLING COIL PEAK					CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 5 / 16			Mo/Hr: 5 / 16		Mo/Hr: 13 / 1						Cooling		Heating
Outside Air:		OADB/WB/HR: 79 / 65 / 71			OADB: 79		OADB: 0						SADB	56.0	70.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Space Sens	Coil Peak Tot Sens	Percent Of Total	Plenum	75.0	70.0	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	75.0	70.0	
Envelope Loads															
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	Skylite Solar	0	0	0.00	Ret/OA	78.4	0.0
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	Skylite Cond	0	0	0.00	Fn MtrTD	0.0	0.0
Roof Cond	0	0	0.00	0	0.00	0	0	0.00	Roof Cond	0	0	0.00	Fn BldTD	0.1	0.0
Glass Solar	2,329	0	16.22	2,329	25.01	0	0	0.00	Glass Solar	0	0	0.00	Fn Frict	0.2	0.0
Glass Cond	89	0	0.62	89	0.95	-1,581	-1,581	5.69	Glass Cond	-1,581	-1,581	5.69			
Wall Cond	652	0	4.54	652	7.00	-1,773	-1,773	6.38	Wall Cond	-1,773	-1,773	6.38			
Partition	0	0	0.00	0	0.00	0	0	0.00	Partition	0	0	0.00			
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	Exposed Floor	0	0	0.00			
Infiltration	174	0	1.21	174	1.89	-1,444	-1,444	5.20	Infiltration	-1,444	-1,444	5.20			
Sub Total ==>	3,244	0	22.59	3,153	33.85	-4,798	-4,798	17.27	Sub Total ==>	-4,798	-4,798	17.27			
Internal Loads															
Lights	3,788	0	26.39	3,788	40.67	0	0	0.00	Lights	0	0	0.00			
People	2,700	0	18.80	1,350	14.49	0	0	0.00	People	0	0	0.00			
Misc	1,024	0	7.13	1,024	10.99	0	0	0.00	Misc	0	0	0.00			
Sub Total ==>	7,512	0	52.32	6,162	66.15	0	0	0.00	Sub Total ==>	0	0	0.00			
Ceiling Load															
Ventilation Load	0	0	0.00	0	0.00	0	0	0.00	Ceiling Load	0	0	0.00			
Ov/Undr Sizing	0	0	0.00	0	0.00	0	0	0.00	Ventilation Load	0	0	0.00			
Exhaust Heat	0	0	0.00	0	0.00	0	0	0.00	Ov/Undr Sizing	0	0	0.00			
Sup. Fan Heat	0	130	0.91	0	0.00	0	0	0.00	Exhaust Heat	0	0	0.00			
Ret. Fan Heat	0	0	0.00	0	0.00	0	0	0.00	OA Preheat Diff.	-22,988	82.73				
Duct Heat Pkup	0	0	0.00	0	0.00	0	0	0.00	RA Preheat Diff.	0	0.00				
Reheat at Design	0	0	0.00	0	0.00	0	0	0.00	Additional Reheat	0	0.00				
						0	0	0.00	System Plenum Heat	0	0.00				
Grand Total ==>	10,756	0	100.00	9,316	100.00	-4,798	-27,785	100.00	Grand Total ==>	-4,798	-27,785	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	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F			
Main Clg	1.2	14.4	11.1	440	78.4	64.7	69.8	55.7	54.0	59.4	Floor	740	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	Part	0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	0	0.0	0.0		
Total	1.2	14.4									Roof	0	0	0.0	0.0		
											Wall	500	71	14			

TEMPERATURES					AIRFLOWS					ENGINEERING CKS				
SADB	56.0	70.0	Return	75.0	70.0	Vent	370	0	% OA	84.1	0.0	cfm/ft²	0.59	0.00
Plenum	75.0	70.0	Ret/OA	78.4	0.0	Infil	19	19	cfm/ton	367.60		ft²/ton	618.47	
Return	75.0	70.0	Fn MtrTD	0.0	0.0	Supply	440	0	Btu/hr-ft²	19.40	-37.55	No. People	5	
Fn Frict	0.1	0.0	Fn BldTD	0.1	0.0	MinStop/Rh	0	0						
Fn Frict	0.2	0.0	Fn Frict	0.2	0.0	Return	458	0						
						Exhaust	389	19						
						Rm Exh	0	0						
						Auxil	0	0						

Zone Checksums

By ae

4E

COOLING COIL PEAK					CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 5 / 16			Mo/Hr: 5 / 16		Mo/Hr: 13 / 1						Cooling		Heating
Outside Air:		OADB/WB/HR: 79 / 65 / 71			OADB: 79		OADB: 0						SADB	56.0	70.0
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total							
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)							
Envelope Loads															
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	Skylite Solar	0	0	0.00	Ret/OA	78.5	0.0
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	Skylite Cond	0	0	0.00	Fn MtrTD	0.0	0.0
Roof Cond	0	0	0.00	0	0.00	0	0	0.00	Roof Cond	0	0	0.00	Fn BldTD	0.1	0.0
Glass Solar	2,621	0	15.49	2,621	24.06	0	0	0.00	Glass Solar	0	0	0.00	Fn Frict	0.2	0.0
Glass Cond	329	0	1.94	329	3.02	-5,858	-5,858	16.13	Glass Cond	-5,858	-5,858	16.13			
Wall Cond	229	0	1.35	229	2.10	-1,005	-1,005	2.77	Wall Cond	-1,005	-1,005	2.77			
Partition	0	0	0.00	0	0.00	0	0	0.00	Partition	0	0	0.00			
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	Exposed Floor	0	0	0.00			
Infiltration	206	0	1.22	104	0.96	-1,814	-1,814	4.99	Infiltration	-1,814	-1,814	4.99			
Sub Total ==>	3,385	0	20.01	3,283	30.14	-8,677	-8,677	23.89	Sub Total ==>	-8,677	-8,677	23.89			
Internal Loads															
Lights	4,761	0	28.14	4,761	43.71	0	0	0.00	Lights	0	0	0.00			
People	3,650	0	21.57	1,825	16.75	0	0	0.00	People	0	0	0.00			
Misc	1,024	0	6.05	1,024	9.40	0	0	0.00	Misc	0	0	0.00			
Sub Total ==>	9,435	0	55.76	7,610	69.86	0	0	0.00	Sub Total ==>	0	0	0.00			
Ceiling Load															
Ventilation Load	0	0	0.00	0	0.00	0	0	0.00	Ventilation Load	0	0	0.00			
Ov/Undr Sizing	0	0	0.00	0	0.00	0	0	0.00	Ov/Undr Sizing	0	0	0.00			
Exhaust Heat	0	0	0.00	0	0.00	0	0	0.00	Exhaust Heat	0	0	0.00			
Sup. Fan Heat	0	152	0.90	0	0.00	0	0	0.00	OA Preheat Diff.	-27,647	76.11				
Ret. Fan Heat	0	0	0.00	0	0.00	0	0	0.00	RA Preheat Diff.	0	0.00				
Duct Heat Pkup	0	0	0.00	0	0.00	0	0	0.00	Additional Reheat	0	0.00				
Reheat at Design	0	0	0.00	0	0.00	0	0	0.00	System Plenum Heat	0	0.00				
Grand Total ==>	12,820	0	100.00	10,894	100.00	-8,677	-36,324	100.00	Grand Total ==>	-8,677	-36,324	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	1.4	16.9	13.0	514	78.5	64.8	70.1	55.7	54.0	59.4	Floor	-8.7	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	Part	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	0	0.0	55.7		
Total	1.4	16.9									Roof	0.0	0	0.0	0.0		
											Wall	-27.7	445	0.0	0.0		
											Humidif	0.0	0	0.0	0.0		
											Opt Vent	0.0	0	0.0	0.0		
											Total	-36.3					

Zone Checksums

By ae

4F

COOLING COIL PEAK					CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 5 / 16			Mo/Hr: 5 / 16		Mo/Hr: 13 / 1		Mo/Hr: 13 / 1		Mo/Hr: 13 / 1		Cooling		Heating
Outside Air:		OADB/WB/HR: 79 / 65 / 71			OADB: 79		OADB: 79		OADB: 0		OADB: 0		SADB	56.0	70.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return	75.0	70.0	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA	77.2	0.0	
Envelope Loads															
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	Skylite Solar	0	0	0.00	Fn MtrTD	0.0	0.0
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	Skylite Cond	0	0	0.00	Fn BldTD	0.1	0.0
Roof Cond	0	0	0.00	0	0.00	0	0	0.00	Roof Cond	0	0	0.00	Fn Frict	0.2	0.0
Glass Solar	7,886	0	31.98	7,886	44.94	0	0	0.00	Glass Solar	0	0	0.00			
Glass Cond	319	0	1.29	319	1.82	-5,680	-5,680	15.50	Glass Cond	-5,680	-5,680	15.50			
Wall Cond	775	0	3.14	775	4.42	-1,253	-1,253	3.42	Wall Cond	-1,253	-1,253	3.42			
Partition	0	0	0.00	0	0.00	0	0	0.00	Partition	0	0	0.00			
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	Exposed Floor	0	0	0.00			
Infiltration	280	0	1.14	119	0.68	-2,068	-2,068	5.64	Infiltration	-2,068	-2,068	5.64			
Sub Total ==>	9,260	0	37.55	9,099	51.85	-9,000	-9,000	24.56	Sub Total ==>	-9,000	-9,000	24.56			
Internal Loads															
Lights	5,427	0	22.00	5,427	30.92	0	0	0.00	Lights	0	0	0.00			
People	4,000	0	16.22	2,000	11.40	0	0	0.00	People	0	0	0.00			
Misc	1,024	0	4.15	1,024	5.83	0	0	0.00	Misc	0	0	0.00			
Sub Total ==>	10,451	0	42.38	8,451	48.15	0	0	0.00	Sub Total ==>	0	0	0.00			
Ceiling Load															
Ventilation Load	0	0	0.00	0	0.00	0	0	0.00	Ventilation Load	0	0	0.00			
Ov/Undr Sizing	0	0	0.00	0	0.00	0	0	0.00	Ov/Undr Sizing	0	0	0.00			
Exhaust Heat	0	0	0.00	0	0.00	0	0	0.00	Exhaust Heat	0	0	0.00			
Sup. Fan Heat	0	246	1.00	0	0.00	0	0	0.00	OA Preheat Diff.	-27,647	75.44				
Ret. Fan Heat	0	0	0.00	0	0.00	0	0	0.00	RA Preheat Diff.	0	0.00				
Duct Heat Pkpw	0	0	0.00	0	0.00	0	0	0.00	Additional Reheat	0	0.00				
Reheat at Design	0	0	0.00	0	0.00	0	0	0.00	System Plenum Heat	0	0.00				
Grand Total ==>	19,711	0	100.00	17,549	100.00	-9,000	-36,648	100.00	Grand Total ==>	-9,000	-36,648	100.00			

AIRFLOWS															
		Cooling		Heating											
Vent	445	0													
Infil	27	27													
Supply	829	0													
MinStop/Rh	0	0													
Return	855	0													
Exhaust	472	27													
Rm Exh	0	0													
Auxil	0	0													

ENGINEERING CKS															
		Cooling		Heating											
% OA	53.7	0.0													
cfm/ft²	0.78	0.00													
cfm/ton	403.17														
ft²/ton	515.77														
Btu/hr-ft²	23.27	-34.57													
No. People	8														

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	°F °F gr/lb	°F °F gr/lb	ft²	ft² (%)	ft² (%)	MBh	cfm	°F	°F	°F	°F	°F	°F			
Main Clg	2.1	24.7	19.8	829	77.2	63.7	66.9	55.7	53.8	58.6								
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0								
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0								
Total	2.1	24.7																

HEATING COIL SELECTION				
Capacity	Coil Airflow	Ent	Lvg	
MBh	cfm	°F	°F	
Main Htg	-9.0	0	0.0	0.0
Aux Htg	0.0	0	0.0	0.0
Preheat	-27.7	445	0.0	55.7
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-36.7			

Zone Checksums

By ae

5A

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES			
Peaked at Time:		Mo/Hr: 5 / 16			Mo/Hr: 5 / 16		Mo/Hr: 13 / 1			Cooling		Heating						
Outside Air:		OADB/WB/HR: 79 / 65 / 71			OADB: 79		OADB: 0			SADB		75.0		70.0				
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	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)							
Envelope Loads																		
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	Skylite Solar	0	0	0.00	0	0	0.00			
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	Skylite Cond	0	0	0.00	0	0	0.00			
Roof Cond	2,840	0	8.32	2,840	11.02	-2,913	-2,913	6.84	Roof Cond	-2,913	-2,913	6.84	0	0	0.00			
Glass Solar	9,922	0	29.06	9,922	38.51	0	0	0.00	Glass Solar	0	0	0.00	0	0	0.00			
Glass Cond	280	0	0.82	280	1.09	-4,989	-4,989	11.72	Glass Cond	-4,989	-4,989	11.72	0	0	0.00			
Wall Cond	717	0	2.10	717	2.78	-4,014	-4,014	9.43	Wall Cond	-4,014	-4,014	9.43	0	0	0.00			
Partition	0	0	0.00	0	0.00	0	0	0.00	Partition	0	0	0.00	0	0	0.00			
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	Exposed Floor	0	0	0.00	0	0	0.00			
Infiltration	423	0	1.24	423	1.62	-3,016	-3,016	7.08	Infiltration	-3,016	-3,016	7.08	0	0	0.00			
Sub Total ==>	14,182	0	41.54	14,182	54.07	-14,933	-14,933	35.07	Sub Total ==>	-14,933	-14,933	35.07						
Internal Loads																		
Lights	7,910	0	23.17	7,910	30.70	0	0	0.00	Lights	0	0	0.00	0	0	0.00			
People	5,800	0	16.99	5,800	11.26	0	0	0.00	People	0	0	0.00	0	0	0.00			
Misc	1,024	0	3.00	1,024	3.97	0	0	0.00	Misc	0	0	0.00	0	0	0.00			
Sub Total ==>	14,734	0	43.15	14,734	45.93	0	0	0.00	Sub Total ==>	0	0	0.00						
Ceiling Load																		
Ventilation Load	0	0	0.00	0	0.00	0	0	0.00	Ventilation Load	0	0	0.00	0	0	0.00			
Ov/Undr Sizing	0	0	0.00	0	0.00	0	0	0.00	Ov/Undr Sizing	0	0	0.00	0	0	0.00			
Exhaust Heat	0	0	0.00	0	0.00	0	0	0.00	Exhaust Heat	0	0	0.00	0	0	0.00			
Sup. Fan Heat	0	360	1.06	0	0.00	-27,647	-27,647	64.93	OA Preheat Diff.	-27,647	-27,647	64.93	0	0	0.00			
Ret. Fan Heat	0	0	0.00	0	0.00	0	0	0.00	RA Preheat Diff.	0	0	0.00	0	0	0.00			
Duct Heat Pkpw	0	0	0.00	0	0.00	0	0	0.00	Additional Reheat	0	0	0.00	0	0	0.00			
Reheat at Design	0	0	0.00	0	0.00	0	0	0.00	System Plenum Heat	0	0	0.00	0	0	0.00			
Grand Total ==>	28,915	0	100.00	34,143	100.00	-14,933	-14,933	100.00	Grand Total ==>	-14,933	-42,580	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	°F °F gr/lb	°F °F gr/lb		ft² (%)	MBh	cfm	°F	°F									
Main Clg	2.9	34.1	28.1	1,217	76.5	63.1	65.1	55.7	53.6	58.1	Floor	1,546			Main Htg	-14.9	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	Part	0			Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0			Preheat	-27.7	445	0.0	55.7
Total	2.9	34.1									Roof	816	0	0	Humidif	0.0	0	0.0	0.0
											Wall	1,196	224	19	Opt Vent	0.0	0	0.0	0.0
											Total				Total	-42.6			

Zone Checksums

By ae

5B

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES				
Peaked at Time:		Mo/Hr: 5 / 16			Mo/Hr: 5 / 16		Mo/Hr: 13 / 1			Cooling		Heating							
Outside Air:		OADB/WB/HR: 79 / 65 / 71			OADB: 79		OADB: 0			SADB		75.0		70.0					
Space Sens.	Plenum Sens.	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	(%)								
Envelope Loads																			
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
Roof Cond	2,509	0	6.89	2,509	9.00	-2,574	-2,574	6.01	0	0	0.00	0	0	0.00	0	0	0.00		
Glass Solar	11,903	0	32.70	11,903	42.71	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
Glass Cond	314	0	0.86	314	1.13	-5,591	-5,591	13.06	0	0	0.00	0	0	0.00	0	0	0.00		
Wall Cond	1,055	0	2.90	1,055	3.79	-3,948	-3,948	9.22	0	0	0.00	0	0	0.00	0	0	0.00		
Partition	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
Infiltration	440	0	1.21	440	1.52	-3,055	-3,055	7.14	0	0	0.00	0	0	0.00	0	0	0.00		
Sub Total ==>	16,222	0	44.57	16,222	57.26	-15,168	-15,168	35.43											
Internal Loads																			
Lights	8,012	0	22.01	8,012	28.75	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
People	5,750	0	15.80	5,750	19.41	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
Misc	1,024	0	2.81	1,024	3.67	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
Sub Total ==>	14,786	0	40.62	14,786	51.83	0	0	0.00											
Ceiling Load																			
Ventilation Load	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
Ov/Undr Sizing	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
Exhaust Heat	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
Sup. Fan Heat	0	0	0.00	390	1.37	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
Ret. Fan Heat	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
Duct Heat Pkup	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
Reheat at Design	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00		
Grand Total ==>	31,007	0	100.00	36,399	100.00	-15,168	-15,168	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	3.0	36.4	30.3	1,316	76.4	62.9	64.6	55.7	53.6	57.9	Floor	1,566	Main Htg	-15.2	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	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	Preheat	-27.7	445	0.0	55.7
Total	3.0	36.4									Roof	721	Humidif	0.0	0	0.0	0.0
											Wall	1,207	Opt Vent	0.0	0	0.0	0.0
													Total	-42.8			

Zone Checksums

By ae

5C

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES			
Peaked at Time:		Mo/Hr: 5 / 16			Mo/Hr: 5 / 16		Mo/Hr: 13 / 1			Cooling		Heating						
Outside Air:		OADB/WB/HR: 79 / 65 / 71			OADB: 79		OADB: 0			SADB		70.0						
Space Sens.	Plenum Sens.	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 <th colspan="2"></th>						
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA <th colspan="2"></th>						
Envelope Loads					Envelope Loads					Envelope Loads					AIRFLOWS			
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Vent	Cooling	Heating				
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Infil	370	0				
Roof Cond	1,427	0	9.73	1,427	14.94	Roof Cond	-1,464	4.88	Roof Cond	-1,464	4.88	Supply	19	19				
Glass Solar	1,076	0	7.34	1,076	11.27	Glass Solar	0	0.00	Glass Solar	0	0.00	MinStop/Rh	451	0				
Glass Cond	135	0	0.92	135	1.41	Glass Cond	-2,406	8.01	Glass Cond	-2,406	8.01	Return	0	0				
Wall Cond	388	0	2.64	388	4.06	Wall Cond	-1,702	5.67	Wall Cond	-1,702	5.67	Exhaust	470	0				
Partition	0	0	0.00	0	0.00	Partition	0	0.00	Partition	0	0.00	Rm Exh	389	19				
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00	Exposed Floor	0	0.00	Auxil	0	0				
Infiltration	169	0	1.15	84	0.88	Infiltration	-1,463	4.87	Infiltration	-1,463	4.87							
Sub Total ==>	3,194	0	21.78	3,110	32.57	Sub Total ==>	-7,034	23.43	Sub Total ==>	-7,034	23.43							
Internal Loads					Internal Loads					Internal Loads					ENGINEERING CKS			
Lights	3,840	0	26.18	3,840	40.21	Lights	0	0.00	Lights	0	0.00	% OA	Cooling	Heating				
People	3,150	0	21.47	1,575	16.49	People	0	0.00	People	0	0.00	cfm/ft²	82.1	0.0				
Misc	1,024	0	6.98	1,024	10.72	Misc	0	0.00	Misc	0	0.00	cfm/ton	0.60	0.00				
Sub Total ==>	8,014	0	54.63	6,439	67.43	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	ft²/ton	368.82					
Ceiling Load	0	0	0.00	0	0.00	Ceiling Load	0	0.00	Ceiling Load	0	0.00	Btu/hr-ft²	613.57					
Ventilation Load	0	0	22.68	0	0.00	Ventilation Load	0	0.00	Ventilation Load	0	0.00	No. People	19.56	-40.03				
Ov/Undr Sizing	0	0	0.00	0	0.00	Ov/Undr Sizing	0	0.00	Ov/Undr Sizing	0	0.00							
Exhaust Heat	0	0	0.00	0	0.00	Exhaust Heat	0	0.00	Exhaust Heat	0	0.00							
Sup. Fan Heat	0	0	0.91	134	0.91	OA Preheat Diff.	-22,988	76.57	OA Preheat Diff.	-22,988	76.57							
Ret. Fan Heat	0	0	0.00	0	0.00	RA Preheat Diff.	0	0.00	RA Preheat Diff.	0	0.00							
Duct Heat Pkup	0	0	0.00	0	0.00	Additional Reheat	0	0.00	Additional Reheat	0	0.00							
Reheat at Design	0	0	0.00	0	0.00	System Plenum Heat	0	0.00	System Plenum Heat	0	0.00							
Grand Total ==>	11,208	0	100.00	9,549	100.00	Grand Total ==>	-7,034	100.00	Grand Total ==>	-7,034	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			Capacity	Coil Airflow	Ent	Lvg	
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft²	(%)	MBh	cfm	°F	°F		
Main Clg	1.2	14.7	11.3	451	78.3	64.7	69.8	55.7	54.0	59.4	Floor	750	Main Htg	-7.0	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	Part	0	Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	Preheat	-23.0	370	0.0	55.7	
Total	1.2	14.7									Roof	410	Humidif	0.0	0	0.0	0.0	
											Wall	520	Opt Vent	0.0	0	0.0	0.0	
													Total	-30.0				

Zone Checksums

By ae

5D

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time: Mo/Hr: 5 / 16					Mo/Hr: 5 / 16					Mo/Hr: 13 / 1					Cooling Heating		
Outside Air: OADB/WB/HR: 79 / 65 / 71					OADB: 79					OADB: 0					SADB 56.0 70.0		
Space Sens.	Plenum Sens.	Net Total	Percent Of Total		Space Sens.	Plenum Sens.	Net Total	Percent Of Total		Space Peak	Coil Peak	Percent					
+ Lat.	+ Lat.		(%)		+ Lat.	+ Lat.		(%)		Space Sens	Tot Sens	Of Total					
Btu/h	Btu/h	Btu/h			Btu/h	Btu/h	Btu/h			Btu/h	Btu/h	(%)					
Envelope Loads																	
Skylite Solar	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	
Skylite Cond	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	0	0	0	0.00	
Roof Cond	1,427	0	1,427	8.90	1,427	13.28	1,427	20.77	13.28	-1,464	-1,464	4.97	-1,464	0	4.97	0.00	
Glass Solar	2,231	0	2,231	13.91	2,231	20.77	2,231	32.32	20.77	0	0	0.00	0	0	0	0.00	
Glass Cond	85	0	85	0.53	85	0.79	85	1.24	0.79	-1,515	-1,515	5.14	-1,515	0	5.14	0.00	
Wall Cond	755	0	755	4.71	755	7.02	755	11.07	7.02	-2,055	-2,055	6.97	-2,055	0	6.97	0.00	
Partition	0	0	0	0.00	0	0.00	0	0.00	0.00	0	0	0.00	0	0	0	0.00	
Exposed Floor	0	0	0	0.00	0	0.00	0	0.00	0.00	0	0	0.00	0	0	0	0.00	
Infiltration	185	0	185	1.15	83	0.77	83	1.24	0.77	-1,444	-1,444	4.90	-1,444	0	4.90	0.00	
Sub Total ==>	4,682	0	4,682	29.20	4,581	42.64	4,581	67.11	42.64	-6,477	-6,477	21.98	-6,477	0	21.98	0.00	
Internal Loads																	
Lights	3,788	0	3,788	23.63	3,788	35.26	3,788	55.02	35.26	0	0	0.00	0	0	0	0.00	
People	2,700	0	2,700	16.84	1,350	12.57	1,350	19.42	12.57	0	0	0.00	0	0	0	0.00	
Misc	1,024	0	1,024	6.39	1,024	9.53	1,024	14.94	9.53	0	0	0.00	0	0	0	0.00	
Sub Total ==>	7,512	0	7,512	46.85	6,162	57.36	6,162	89.36	57.36	0	0	0.00	0	0	0	0.00	
Ceiling Load																	
Ventilation Load	0	0	0	0.00	0	0.00	0	0.00	0.00	0	0	0.00	0	0	0	0.00	
Ov/Undr Sizing	0	0	3,690	23.01	0	0.00	0	0.00	0.00	0	0	0.00	0	0	0	0.00	
Exhaust Heat	0	0	0	0.00	0	0.00	0	0.00	0.00	0	0	0.00	0	0	0	0.00	
Sup. Fan Heat	0	0	150	0.94	0	0.00	0	0.00	0.00	0	0	0.00	0	0	0	0.00	
Ret. Fan Heat	0	0	0	0.00	0	0.00	0	0.00	0.00	0	0	0.00	0	0	0	0.00	
Duct Heat Pkup	0	0	0	0.00	0	0.00	0	0.00	0.00	0	0	0.00	0	0	0	0.00	
Reheat at Design	0	0	0	0.00	0	0.00	0	0.00	0.00	0	0	0.00	0	0	0	0.00	
Grand Total ==>	12,194	0	16,035	100.00	10,743	100.00	10,743	100.00	100.00	-6,477	-29,464	100.00	-6,477	-29,464	100.00	100.00	

AIRFLOWS																
	Cooling	Heating														
Vent	370	0														
Infil	19	19														
Supply	507	0														
MinStop/Rh	0	0														
Return	526	0														
Exhaust	389	19														
Rm Exh	0	0														
Auxil	0	0														

ENGINEERING CKS																
	Cooling	Heating														
% OA	72.9	0.0														
cfm/ft²	0.69	0.00														
cfm/ton	379.59															
ft²/ton	553.80															
Btu/hr-ft²	21.67	-39.82														
No. People	5															

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft² (%)	MBh	cfm	°F	°F				
Main Clg	1.3	16.0	12.6	507	77.9	64.4	68.8	55.7	53.9	59.1	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	1.3	16.0															

			AREAS			HEATING COIL SELECTION				
			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg		
			ft² (%)	ft² (%)	MBh	cfm	°F	°F		
Floor	740		0	0	-6.5	0	0.0	0.0		
Part	0		0	0	0.0	0	0.0	0.0		
ExFlr	0		0	0	-23.0	370	0.0	55.7		
Roof	410	0	0	0	0.0	0	0.0	0.0		
Wall	566	68	12		0.0	0	0.0	0.0		
Total					-29.5					

Zone Checksums

By ae

5E

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time: Mo/Hr: 5 / 16					Mo/Hr: 5 / 16					Mo/Hr: 13 / 1					Cooling Heating		
Outside Air: OADB/WB/HR: 79 / 65 / 71					OADB: 79					OADB: 0					SADB	56.0	70.0
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return <td>75.0</td> <td>70.0</td>	75.0	70.0						
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA <td>78.5</td> <td>0.0</td>	78.5	0.0						
Envelope Loads												Fn MtrTD	0.0	0.0			
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.1	0.0						
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.2	0.0						
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00									
Glass Solar	2,502	0	14.87	2,502	23.12	Glass Solar	0	0.00									
Glass Cond	314	0	1.86	314	2.90	Glass Cond	-5,591	15.47									
Wall Cond	234	0	1.39	234	2.16	Wall Cond	-1,034	2.86									
Partition	0	0	0.00	0	0.00	Partition	0	0.00									
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00									
Infiltration	214	0	1.27	107	0.99	Infiltration	-1,863	5.16									
Sub Total ==>	3,263	0	19.40	3,156	29.17	Sub Total ==>	-8,487	23.49									
Internal Loads												AIRFLOWS					
Lights	4,889	0	29.06	4,889	45.19	Lights	0	0.00	Vent	445	0						
People	3,500	0	20.81	1,750	16.17	People	0	0.00	Infil	24	24						
Misc	1,024	0	6.09	1,024	9.46	Misc	0	0.00	Supply	511	0						
Sub Total ==>	9,413	0	55.96	7,663	70.83	Sub Total ==>	0	0.00	MinStop/Rh	0	0						
Ceiling Load												Return	535	0			
Ventilation Load	0	0	0.00	0	0.00	Ventilation Load	0	0.00	Exhaust	469	24						
Ov/Undr Sizing	0	0	0.00	0	0.00	Ov/Undr Sizing	0	0.00	Rm Exh	0	0						
Exhaust Heat	0	0	0.00	0	0.00	Exhaust Heat	0	0.00	Auxil	0	0						
Sup. Fan Heat	0	151	0.90	0	0.00	OA Preheat Diff.	-27,647	76.51									
Ret. Fan Heat	0	0	0.00	0	0.00	RA Preheat Diff.	0	0.00									
Duct Heat Pkup	0	0	0.00	0	0.00	Additional Reheat	0	0.00									
Reheat at Design	0	0	0.00	0	0.00	System Plenum Heat	0	0.00									
Grand Total ==>	12,676	0	100.00	10,819	100.00	Grand Total ==>	-8,487	-36,135									

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	1.4	16.8	13.0	511	78.5	64.8	70.1	55.7	54.0	59.4	Floor	955	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	Part	0	0	0.0	0.0			
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	0	0.0	0.0			
Total	1.4	16.8									Roof	0	0	0				
											Wall	572	251	44				
											HEATING COIL SELECTION							
											Main Htg	-8.5	0	0.0	0.0			
											Aux Htg	0.0	0	0.0	0.0			
											Preheat	-27.7	445	0.0	55.7			
											Humidif	0.0	0	0.0	0.0			
											Opt Vent	0.0	0	0.0	0.0			
											Total	-36.1						

Zone Checksums

By ae

5F

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 5 / 16			Mo/Hr: 5 / 16		Mo/Hr: 13 / 1			Cooling		Heating					
Outside Air:		OADB/WB/HR: 79 / 65 / 71			OADB: 79		OADB: 0			SADB		70.0					
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total (%)	Return <th>Ret/OA <th>Fn MtrTD <th>Fn BldTD <th>Fn Frict <td colspan="3"></td> </th></th></th></th>	Ret/OA <th>Fn MtrTD <th>Fn BldTD <th>Fn Frict <td colspan="3"></td> </th></th></th>	Fn MtrTD <th>Fn BldTD <th>Fn Frict <td colspan="3"></td> </th></th>	Fn BldTD <th>Fn Frict <td colspan="3"></td> </th>	Fn Frict <td colspan="3"></td>				
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h										
Envelope Loads																	
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00									
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00									
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00									
Glass Solar	8,924	0	35.31	8,924	49.10	Glass Solar	0	0.00									
Glass Cond	340	0	1.34	340	1.87	Glass Cond	-6,059	16.51									
Wall Cond	644	0	2.55	644	3.55	Wall Cond	-966	2.63									
Partition	0	0	0.00	0	0.00	Partition	0	0.00									
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00									
Infiltration	285	0	1.13	285	1.53	Infiltration	-2,029	5.53									
Sub Total ==>	10,193	0	40.33	10,193	55.16	Sub Total ==>	-9,053	24.67									
Internal Loads																	
Lights	5,324	0	21.07	5,324	29.30	Lights	0	0.00									
People	3,600	0	14.24	1,800	9.90	People	0	0.00									
Misc	1,024	0	4.05	1,024	5.63	Misc	0	0.00									
Sub Total ==>	9,948	0	39.36	8,148	44.84	Sub Total ==>	0	0.00									
Ceiling Load																	
Ventilation Load	0	0	0.00	0	0.00	Ventilation Load	0	0.00									
Ov/Undr Sizing	0	0	0.00	0	0.00	Ov/Undr Sizing	0	0.00									
Exhaust Heat	0	0	0.00	0	0.00	Exhaust Heat	0	0.00									
Sup. Fan Heat	0	0	0.00	254	1.01	OA Preheat Diff.	-27,647	75.33									
Ret. Fan Heat	0	0	0.00	0	0.00	RA Preheat Diff.	0	0.00									
Duct Heat Pkup	0	0	0.00	0	0.00	Additional Reheat	0	0.00									
Reheat at Design	0	0	0.00	0	0.00	System Plenum Heat	0	0.00									
Grand Total ==>	20,141	0	100.00	18,173	100.00	Grand Total ==>	-9,053	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	2.1	25.3	20.4	858	77.1	63.6	66.5	55.7	53.7	58.5	Floor	1,040	Main Htg	-9.1	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	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	Preheat	-27.7	445	0.0	55.7
Total	2.1	25.3									Roof	0	Humidif	0.0	0	0.0	0.0
											Wall	572	Opt Vent	0.0	0	0.0	0.0
													Total	-36.7			

Zone Checksums

By ae

6A&7A

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 5 / 16			Mo/Hr: 5 / 16		Mo/Hr: 13 / 1			Cooling		Heating					
Outside Air:		OADB/WB/HR: 79 / 65 / 71			OADB: 79		OADB: 0			SADB		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 (%)	Plenum	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		75.0	70.0	76.8	0.0	0.0	0.0
Envelope Loads																	
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	Skylite Solar	0	0	0.00					
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	Skylite Cond	0	0	0.00					
Roof Cond	3,209	0	10.96	3,209	15.00	-3,406	-3,406	7.57	Roof Cond	0	0	0.00					
Glass Solar	2,611	0	8.92	2,611	12.21	0	0	0.00	Glass Solar	0	0	0.00					
Glass Cond	327	0	1.12	327	1.53	-5,836	-5,836	12.98	Glass Cond	0	0	0.00					
Wall Cond	2,690	0	9.19	2,690	12.58	-4,813	-4,813	10.70	Wall Cond	0	0	0.00					
Partition	0	0	0.00	0	0.00	0	0	0.00	Partition	0	0	0.00					
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	Exposed Floor	0	0	0.00					
Infiltration	434	0	1.48	188	0.88	-3,273	-3,273	7.28	Infiltration	0	0	0.00					
Sub Total ==>	9,272	0	31.66	9,026	42.20	-17,328	-17,328	38.53	Sub Total ==>	0	0	0.00					
Internal Loads																	
Lights	8,591	0	29.33	8,591	40.16	0	0	0.00	Lights	0	0	0.00					
People	5,500	0	18.78	2,750	12.86	0	0	0.00	People	0	0	0.00					
Misc	1,024	0	3.50	1,024	4.79	0	0	0.00	Misc	0	0	0.00					
Sub Total ==>	15,114	0	51.60	12,364	57.80	0	0	0.00	Sub Total ==>	0	0	0.00					
Ceiling Load																	
Ventilation Load	0	0	0.00	0	0.00	0	0	0.00	Ventilation Load	0	0	0.00					
Ov/Undr Sizing	0	0	0.00	0	0.00	0	0	0.00	Ov/Undr Sizing	0	0	0.00					
Exhaust Heat	0	0	0.00	0	0.00	0	0	0.00	Exhaust Heat	0	0	0.00					
Sup. Fan Heat	0	299	1.02	0	0.00	0	0	0.00	OA Preheat Diff.	-27,647	61.47						
Ret. Fan Heat	0	0	0.00	0	0.00	0	0	0.00	RA Preheat Diff.	0	0.00						
Duct Heat Pkup	0	0	0.00	0	0.00	0	0	0.00	Additional Reheat	0	0.00						
Reheat at Design	0	0	0.00	0	0.00	0	0	0.00	System Plenum Heat	0	0.00						
Grand Total ==>	24,386	0	100.00	21,391	100.00	-17,328	-44,976	100.00	Grand Total ==>	0	0	0.00					

AIRFLOWS												
	Cooling	Heating										
Vent	445	0										
Infil	42	42										
Supply	1,010	0										
MinStop/Rh	0	0										
Return	1,052	0										
Exhaust	487	42										
Rm Exh	0	0										
Auxil	0	0										

ENGINEERING CKS												
	Cooling	Heating										
% OA	44.1	0.0										
cfm/ft²	0.60	0.00										
cfm/ton	413.78											
ft³/ton	687.48											
Btu/hr-ft²	17.46	-26.80										
No. People	11											

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	°F	°F	gr/lb	°F	°F	gr/lb	ft² (%)	MBh	cfm	°F	°F				
Main Clg	2.4	29.3	23.7	1,010	76.8	63.4	66.3	55.7	53.7	58.4	Main Htg	-17.3	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	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	Preheat	-27.7	445	0.0	55.7		
Total	2.4	29.3									Humidif	0.0	0	0.0	0.0		
											Opt Vent	0.0	0	0.0	0.0		
											Total	-45.0					

Zone Checksums

By ae

6B&7B

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES			
Peaked at Time:		Mo/Hr: 5 / 16			Mo/Hr: 5 / 16		Mo/Hr: 13 / 1			Cooling		Heating						
Outside Air:		OADB/WB/HR: 79 / 65 / 71			OADB: 79		OADB: 0											
Space Sens.	Plenum Sens.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent	Space Sens	Tot Sens	Of Total	SADB	Plenum	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)							
Envelope Loads					Envelope Loads					Envelope Loads								
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Skylite Solar	0	0.00							
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Skylite Cond	0	0.00							
Roof Cond	3,838	0	7.75	3,838	9.57	Roof Cond	-4,073	7.57	Roof Cond	-4,073	7.57							
Glass Solar	18,804	0	37.95	18,804	46.87	Glass Solar	0	0.00	Glass Solar	0	0.00							
Glass Cond	751	0	1.52	751	1.87	Glass Cond	-13,387	24.88	Glass Cond	-13,387	24.88							
Wall Cond	3,381	0	6.82	3,381	8.43	Wall Cond	-5,205	9.68	Wall Cond	-5,205	9.68							
Partition	0	0	0.00	0	0.00	Partition	0	0.00	Partition	0	0.00							
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00	Exposed Floor	0	0.00							
Infiltration	557	0	1.12	557	1.42	Infiltration	-3,488	6.48	Infiltration	-3,488	6.48							
Sub Total ==>	27,331	0	55.16	27,331	67.24	Sub Total ==>	-26,154	48.61	Sub Total ==>	-26,154	48.61							
Internal Loads					Internal Loads					Internal Loads								
Lights	9,154	0	18.47	9,154	22.82	Lights	0	0.00	Lights	0	0.00							
People	5,935	0	11.98	5,935	15.40	People	0	0.00	People	0	0.00							
Misc	1,024	0	2.07	1,024	2.55	Misc	0	0.00	Misc	0	0.00							
Sub Total ==>	16,113	0	32.52	16,113	40.77	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00							
Ceiling Load					Ceiling Load					Ceiling Load								
Ventilation Load	0	0	0.00	0	0.00	Ventilation Load	0	0.00	Ventilation Load	0	0.00							
Ov/Undr Sizing	0	0	0.00	0	0.00	Ov/Undr Sizing	0	0.00	Ov/Undr Sizing	0	0.00							
Exhaust Heat	0	0	0.00	0	0.00	Exhaust Heat	0	0.00	Exhaust Heat	0	0.00							
Sup. Fan Heat	0	561	1.13	0	0.00	OA Preheat Diff.	-27,647	51.39	RA Preheat Diff.	0	0.00							
Ret. Fan Heat	0	0	0.00	0	0.00	Additional Reheat	0	0.00	System Plenum Heat	0	0.00							
Duct Heat Pkup	0	0	0.00	0	0.00	Grand Total ==>	-26,154	51.39	Grand Total ==>	-53,801	100.00							
Reheat at Design	0	0	0.00	0	0.00													
Grand Total ==>	43,443	0	100.00	49,546	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	°F °F gr/lb	°F °F gr/lb		ft² (%)	MBh	cfm	°F	°F							
Main Clg	4.1	49.6	42.7	1,894	76.0	62.3	62.2	55.7	53.4	57.1	Floor	1,788	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	Part	0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	ExFlr	0	0	0.0	0.0		
Total	4.1	49.6									Roof	1,141	0	0	0.0		
											Wall	2,218	601	27	55.7		
											Total	-53.8					

Zone Checksums

By ae

6C

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time: Mo/Hr: 5 / 16					Mo/Hr: 5 / 16					Mo/Hr: 13 / 1					Cooling Heating		
Outside Air: OADB/WB/HR: 79 / 65 / 71					OADB: 79					OADB: 0					SADB	56.0	70.0
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Return <td>75.0</td> <td>70.0</td>	75.0	70.0						
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA <td>77.2</td> <td>0.0</td>	77.2	0.0						
Envelope Loads												Fn MtrTD	0.0	0.0			
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.1	0.0						
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.2	0.0						
Roof Cond	0	0	0.00	0	0.00	Roof Cond	0	0.00									
Glass Solar	4,998	0	4,998	20.47	4,998	29.16	Glass Solar	0									
Glass Cond	490	0	490	2.01	490	2.86	Glass Cond	-8,731	-8,731	21.48							
Wall Cond	397	0	397	1.62	397	2.31	Wall Cond	-1,404	-1,404	3.45							
Partition	0	0	0	0.00	0	0.00	Partition	0	0	0.00							
Exposed Floor	0	0	0	0.00	0	0.00	Exposed Floor	0	0	0.00							
Infiltration	358	0	358	1.46	165	0.97	Infiltration	-2,874	-2,874	7.07							
Sub Total ==>	6,242	0	6,242	25.56	6,050	35.30	Sub Total ==>	-13,009	-13,009	32.00							
Internal Loads												AIRFLOWS					
Lights	7,541	0	7,541	30.88	7,541	44.00	Lights	0	0	0.00	Vent	445	0				
People	5,050	0	5,050	20.68	2,525	14.73	People	0	0	0.00	Infil	37	37				
Misc	1,024	0	1,024	4.19	1,024	5.97	Misc	0	0	0.00	Supply	809	0				
Sub Total ==>	13,615	0	13,615	55.75	11,090	64.70	Sub Total ==>	0	0	0.00	MinStop/Rh	0	0				
Ceiling Load												Return	846	0			
Ventilation Load	0	0	0	0.00	0	0.00	Ventilation Load	0	0	0.00	Exhaust	482	37				
Ov/Undr Sizing	0	0	0	0.00	0	0.00	Ov/Undr Sizing	0	0	0.00	Rm Exh	0	0				
Exhaust Heat	0	0	0	0.00	0	0.00	Exhaust Heat	0	0	0.00	Auxil	0	0				
Sup. Fan Heat	0	0	240	0.98	0	0.00	OA Preheat Diff.	-27,647	68.00								
Ret. Fan Heat	0	0	0	0.00	0	0.00	RA Preheat Diff.	0	0.00								
Duct Heat Pkup	0	0	0	0.00	0	0.00	Additional Reheat	0	0.00								
Reheat at Design	0	0	0	0.00	0	0.00	System Plenum Heat	0	0.00								
Grand Total ==>	19,857	0	24,420	100.00	17,140	100.00	Grand Total ==>	-13,009	-40,656	100.00	ENGINEERING CKS						
												% OA	55.0	0.0			
												cfm/ft²	0.55	0.00			
												cfm/ton	397.67				
												ft²/ton	723.84				
												Btu/hr-ft²	16.58	-27.60			
												No. People	10				

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	°F °F gr/lb	°F °F gr/lb		ft² (%)	MBh	cfm	°F	°F							
Main Clg	2.0	24.4	19.4	809	77.2	63.9	67.6	55.7	53.8	58.8	Main Htg	-13.0	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	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	Preheat	-27.7	445	0.0	55.7		
Total	2.0	24.4									Humidif	0.0	0	0.0	0.0		
												Opt Vent	0.0	0	0.0	0.0	
												Total	-40.7				

Zone Checksums

By ae

6D

COOLING COIL PEAK					CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 5 / 16			Mo/Hr: 5 / 16		Mo/Hr: 13 / 1						Cooling		Heating
Outside Air:		OADB/WB/HR: 79 / 65 / 71			OADB: 79		OADB: 0						SADB	56.0	70.0
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	Ret/OA			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Fn MtrTD			
Envelope Loads															
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0	0.0	0.0	
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.1	0.0	0.0	
Roof Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.2	0.0	0.0	
Glass Solar	9,384	0	33.54	9,384	48.97	0	0	0.00	0	0	0.00				
Glass Cond	352	0	1.26	352	1.84	-6,281	-6,281	13.25	-6,281	-6,281	13.25				
Wall Cond	932	0	3.33	932	4.86	-1,488	-1,488	3.14	-1,488	-1,488	3.14				
Partition	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00				
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00				
Infiltration	281	0	1.00	281	1.44	-2,058	-2,058	4.34	-2,058	-2,058	4.34				
Sub Total ==>	10,948	0	39.13	10,948	56.29	-9,827	-9,827	20.73	-9,827	-9,827	20.73				
Internal Loads															
Lights	5,401	0	19.31	5,401	28.19	0	0	0.00	0	0	0.00				
People	3,900	0	13.94	1,950	10.18	0	0	0.00	0	0	0.00				
Misc	1,024	0	3.66	1,024	5.34	0	0	0.00	0	0	0.00				
Sub Total ==>	10,325	0	36.91	8,375	43.71	0	0	0.00	0	0	0.00				
Ceiling Load															
Ventilation Load	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00				
Ov/Undr Sizing	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00				
Exhaust Heat	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00				
Sup. Fan Heat	0	0	0.00	268	0.96	0	0	0.00	0	0	0.00				
Ret. Fan Heat	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00				
Duct Heat Pkup	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00				
Reheat at Design	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00				
Grand Total ==>	21,273	0	100.00	19,161	100.00	-9,827	-47,415	100.00	-9,827	-47,415	100.00				

AIRFLOWS			ENGINEERING CKS		
	Cooling	Heating		Cooling	Heating
Vent	605	0	% OA	66.9	0.0
Infil	26	26	cfm/ft²	0.86	0.00
Supply	905	0	cfm/ton	388.05	
MinStop/Rh	0	0	ft²/ton	452.52	
Return	931	0	Btu/hr-ft²	26.52	-44.94
Exhaust	631	26	No. People	8	
Rm Exh	0	0			
Auxil	0	0			

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	°F	°F	gr/lb	°F	°F	gr/lb	ft² (%)	MBh	cfm	°F	°F				
Main Clg	2.3	28.0	22.2	905	77.7	64.1	68.0	55.7	53.8	58.9	Main Htg	-9.8	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	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	Preheat	-37.6	605	0.0	55.7		
Total	2.3	28.0									Humidif	0.0	0	0.0	0.0		
											Opt Vent	0.0	0	0.0	0.0		
											Total	-47.4					

Zone Checksums

By ae

7C

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 5 / 16			Mo/Hr: 5 / 16		Mo/Hr: 13 / 1			Cooling		Heating					
Outside Air:		OADB/WB/HR: 79 / 65 / 71			OADB: 79		OADB: 0			SADB		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	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	Btu/h	(%)	Btu/h	Btu/h	(%)						
Envelope Loads																	
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	75.0	70.0	0.0	0.0	0.0	
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	75.0	70.0	0.0	0.0	0.0	
Roof Cond	4,955	0	17.14	4,955	23.54	-5,259	-5,259	11.50	0	0	0.00	76.8	0.0	0.0	0.0	0.0	
Glass Solar	3,598	0	12.45	3,598	17.09	0	0	0.00	0	0	0.00	0.0	0.0	0.0	0.0	0.0	
Glass Cond	451	0	1.56	451	2.14	-8,041	-8,041	17.58	-8,041	-8,041	17.58	0.0	0.0	0.0	0.0	0.0	
Wall Cond	543	0	1.88	543	2.58	-1,909	-1,909	4.18	-1,909	-1,909	4.18	0.0	0.0	0.0	0.0	0.0	
Partition	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0	0.0	0.0	0.0	0.0	
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00	0.0	0.0	0.0	0.0	0.0	
Infiltration	379	0	1.31	379	1.31	-2,874	-2,874	6.28	-2,874	-2,874	6.28	0.0	0.0	0.0	0.0	0.0	
<i>Sub Total ==></i>	<i>9,925</i>	<i>0</i>	<i>34.33</i>	<i>9,925</i>	<i>46.13</i>	<i>-18,083</i>	<i>-18,083</i>	<i>39.54</i>	<i>0</i>	<i>0</i>	<i>0.00</i>						
Internal Loads																	
Lights	7,541	0	26.08	7,541	35.82	0	0	0.00	0	0	0.00	0	0	0	0	0	
People	5,550	0	19.20	5,550	26.08	0	0	0.00	0	0	0.00	0	0	0	0	0	
Misc	1,024	0	3.54	1,024	4.86	0	0	0.00	0	0	0.00	0	0	0	0	0	
<i>Sub Total ==></i>	<i>14,115</i>	<i>0</i>	<i>48.82</i>	<i>14,115</i>	<i>53.87</i>	<i>0</i>	<i>0</i>	<i>0.00</i>	<i>0</i>	<i>0</i>	<i>0.00</i>						
Ceiling Load																	
Ventilation Load	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00						
Ov/Undr Sizing	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00						
Exhaust Heat	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00						
Sup. Fan Heat	0	295	1.02	0	0.00	0	0	0.00	0	0	0.00						
Ret. Fan Heat	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00						
Duct Heat Pkup	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00						
Reheat at Design	0	0	0.00	0	0.00	0	0	0.00	0	0	0.00						
<i>Grand Total ==></i>	<i>24,040</i>	<i>0</i>	<i>100.00</i>	<i>28,912</i>	<i>100.00</i>	<i>-18,083</i>	<i>-18,083</i>	<i>100.00</i>	<i>-18,083</i>	<i>-45,730</i>	<i>100.00</i>						

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	2.4	28.9	23.4	994	76.8	63.5	66.4	55.7	53.7	58.4		Main Htg	-18.1	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		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		Preheat	-27.7	445	0.0	55.7	
<i>Total</i>	<i>2.4</i>	<i>28.9</i>										Humidif	0.0	0	0.0	0.0	
												Opt Vent	0.0	0	0.0	0.0	
												<i>Total</i>	<i>-45.7</i>				

Zone Checksums

By ae

7D

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES																								
Peaked at Time:		Mo/Hr: 5 / 16			Mo/Hr: 5 / 16		Mo/Hr: 13 / 1						<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">Cooling</th> <th style="text-align: center;">Heating</th> </tr> </thead> <tbody> <tr><td>SADB</td><td style="text-align: center;">56.0</td><td style="text-align: center;">70.0</td></tr> <tr><td>Plenum</td><td style="text-align: center;">75.0</td><td style="text-align: center;">70.0</td></tr> <tr><td>Return</td><td style="text-align: center;">75.0</td><td style="text-align: center;">70.0</td></tr> <tr><td>Ret/OA</td><td style="text-align: center;">76.7</td><td style="text-align: center;">0.0</td></tr> <tr><td>Fn MtrTD</td><td style="text-align: center;">0.0</td><td style="text-align: center;">0.0</td></tr> <tr><td>Fn BldTD</td><td style="text-align: center;">0.1</td><td style="text-align: center;">0.0</td></tr> <tr><td>Fn Frict</td><td style="text-align: center;">0.2</td><td style="text-align: center;">0.0</td></tr> </tbody> </table>				Cooling	Heating	SADB	56.0	70.0	Plenum	75.0	70.0	Return	75.0	70.0	Ret/OA	76.7	0.0	Fn MtrTD	0.0	0.0	Fn BldTD	0.1	0.0	Fn Frict	0.2	0.0
	Cooling	Heating																																					
SADB	56.0	70.0																																					
Plenum	75.0	70.0																																					
Return	75.0	70.0																																					
Ret/OA	76.7	0.0																																					
Fn MtrTD	0.0	0.0																																					
Fn BldTD	0.1	0.0																																					
Fn Frict	0.2	0.0																																					
Outside Air:		OADB/WB/HR: 79 / 65 / 71			OADB: 79		OADB: 0																																
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total (%)																															
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h																																
Envelope Loads																																							
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00																															
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00																															
Roof Cond	3,448	0	11.47	3,448	15.29	-3,659	-3,659	9.02																															
Glass Solar	9,863	0	32.81	9,863	43.74	0	0	0.00																															
Glass Cond	352	0	1.17	352	1.56	-6,281	-6,281	15.48																															
Wall Cond	661	0	2.20	661	2.93	-985	-985	2.43																															
Partition	0	0	0.00	0	0.00	0	0	0.00																															
Exposed Floor	0	0	0.00	0	0.00	0	0	0.00																															
Infiltration	298	0	0.99	115	0.51	-2,000	-2,000	4.93																															
Sub Total ==>	14,623	0	48.64	14,440	64.04	-12,925	-12,925	31.86																															
Internal Loads																																							
Lights	5,247	0	17.46	5,247	23.27	0	0	0.00																															
People	3,675	0	12.22	1,838	8.15	0	0	0.00																															
Misc	1,024	0	3.41	1,024	4.54	0	0	0.00																															
Sub Total ==>	9,946	0	33.09	8,109	35.96	0	0	0.00																															
Ceiling Load																																							
Ventilation Load	0	0	0.00	0	0.00	0	0	0.00																															
Ov/Undr Sizing	0	0	0.00	0	0.00	0	0	0.00																															
Exhaust Heat	0	0	0.00	0	0.00	0	0	0.00																															
Sup. Fan Heat	0	315	1.05	0	0.00	0	-27,647	68.14																															
Ret. Fan Heat	0	0	0.00	0	0.00	0	0	0.00																															
Duct Heat Pkup	0	0	0.00	0	0.00	0	0	0.00																															
Reheat at Design	0	0	0.00	0	0.00	0	0	0.00																															
Grand Total ==>	24,569	0	100.00	22,549	100.00	-12,925	-40,573	100.00																															

AIRFLOWS		
	Cooling	Heating
Vent	445	0
Infil	26	26
Supply	1,065	0
MinStop/Rh	0	0
Return	1,090	0
Exhaust	471	26
Rm Exh	0	0
Auxil	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	41.8	0.0
cfm/ft²	1.04	0.00
cfm/ton	424.97	
ft²/ton	409.15	
Btu/hr-ft²	29.33	-39.58
No. People	7	

COOLING COIL SELECTION										
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	2.5	30.1	24.9	1,065	76.7	63.2	65.0	55.7	53.6	58.1
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	2.5	30.1								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	1,025		
Part	0		
ExFlr	0		
Roof	1,025	0	0
Wall	588	282	48

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	-12.9	0	0.0	0.0
Aux Htg	0.0	0	0.0	0.0
Preheat	-27.7	445	0.0	55.7
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-40.6			

Zone Checksums

By ae

BASEMENT

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 5 / 16			Mo/Hr: 5 / 16		Mo/Hr: 13 / 1			Cooling		Heating	SADB	56.0	70.0		
Outside Air:		OADB/WB/HR: 79 / 65 / 71			OADB: 79		OADB: 0			Plenum		83.3	61.3	Return	75.0	61.3	
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	Space Sens	Coil Peak Tot Sens	Percent Of Total	Ret/OA	75.0	0.0			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Fn MtrTD	0.0	0.0			
Envelope Loads																	
Skylite Solar	0	0	0.00	0	0.00	0	0	0.00	Skylite Solar	0	0	0.00	Fn BldTD	0.1	0.0		
Skylite Cond	0	0	0.00	0	0.00	0	0	0.00	Skylite Cond	0	0	0.00	Fn Frict	0.2	0.0		
Roof Cond	0	0	0.00	0	0.00	0	0	0.00	Roof Cond	0	0	0.00					
Glass Solar	0	0	0.00	0	0.00	0	0	0.00	Glass Solar	0	0	0.00					
Glass Cond	0	0	0.00	0	0.00	0	0	0.00	Glass Cond	0	0	0.00					
Wall Cond	0	0	0.00	0	0.00	0	0	0.00	Wall Cond	0	0	0.00					
Partition	-102,942		634.19	-102,942	0,000.00	-98,040	-98,040	77.69	Partition	-98,040	-98,040	86.15					
Exposed Floor	0		0.00	0	0.00	0	0	0.00	Exposed Floor	0	0	0.00					
Infiltration	2,294		-14.13	615	5,600.00	-10,675	-10,675	8.46	Infiltration	-10,675	-10,675	8.46					
Sub Total ==>	-100,648	0	620.06	-102,327	4,400.00	-108,715	-108,715	86.15	Sub Total ==>	-108,715	-108,715	86.15					
Internal Loads																	
Lights	23,345	0	-143.82	23,345	9,200.00	0	0	0.00	Lights	0	0	0.00					
People	0	0	0.00	0	0.00	0	0	0.00	People	0	0	0.00					
Misc	0	0	0.00	0	0.00	0	0	0.00	Misc	0	0	0.00					
Sub Total ==>	23,345	0	-143.82	23,345	9,200.00	0	0	0.00	Sub Total ==>	0	0	0.00					
Ceiling Load	17,911	-17,911	0.00	17,911	2,000.00	-18,797	0	0.00	Ceiling Load	-18,797	0	0.00					
Ventilation Load	0	0	0.00	0	0.00	0	0	0.00	Ventilation Load	0	0	0.00					
Ov/Undr Sizing	61,071		-376.24	61,071	3,300.00	0	0	0.00	Ov/Undr Sizing	0	0	0.00					
Exhaust Heat		0	0.00				1,323	-1.05	Exhaust Heat		1,323	-1.05					
Sup. Fan Heat			0.00				0	0.00	OA Preheat Diff.		0	0.00					
Ret. Fan Heat		0	0.00				0	0.00	RA Preheat Diff.		0	0.00					
Duct Heat Pkup		0	0.00				0	0.00	Additional Reheat		0	0.00					
Reheat at Design			0.00				-18,797	14.90	System Plenum Heat		-18,797	14.90					
Grand Total ==>	1,679	-17,911	100.00	0	100.00	-127,512	-126,189	100.00	Grand Total ==>	-127,512	-126,189	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	°F °F gr/lb	°F °F gr/lb		ft² (%)	MBh	cfm	°F	°F							
Main Clg	-1.4	-16.2	-17.9	0 75.0 60.0 53.4	55.7 52.4 53.4	6,840		-127.5	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	4,300		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	-1.4	-16.2				0		0.0	0	0.0	0.0						

TEMPERATURES			AIRFLOWS			ENGINEERING CKS		
SADB	56.0	70.0	Vent	0	0	% OA	0.0	0.0
Plenum	83.3	61.3	Infil	137	137	cfm/ft²	0.00	0.00
Return	75.0	61.3	Supply	0	0	cfm/ton	0.00	0.00
Ret/OA	75.0	0.0	MinStop/Rh	0	0	ft²/ton	0.00	0.00
Fn MtrTD	0.0	0.0	Return	137	0	Btu/hr-ft²	-2.37	-18.64
Fn BldTD	0.1	0.0	Exhaust	137	137	No. People	0	
Fn Frict	0.2	0.0	Rm Exh	0	0			
			Auxil	0	0			

Zone Checksums

By ae

SHARED HALLWAYS

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 5 / 16			Mo/Hr: 5 / 16		Mo/Hr: 13 / 1							
Outside Air:		OADB/WB/HR: 79 / 65 / 71			OADB: 79		OADB: 0							
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total			SADB	Cooling	Heating	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)			Plenum			
Envelope Loads					Envelope Loads					AIRFLOWS				
Skylite Solar	0	0	0.00	0	0.00	Skylite Solar	0	0.00			Vent	683	0	
Skylite Cond	0	0	0.00	0	0.00	Skylite Cond	0	0.00			Infil	53	53	
Roof Cond	858	0	4.38	858	5.93	Roof Cond	-910	1.57			Supply	683	0	
Glass Solar	0	0	0.00	0	0.00	Glass Solar	0	0.00			MinStop/Rh	0	0	
Glass Cond	0	0	0.00	0	0.00	Glass Cond	0	0.00			Return	736	0	
Wall Cond	0	0	0.00	0	0.00	Wall Cond	0	0.00			Exhaust	736	53	
Partition	0	0	0.00	0	0.00	Partition	0	0.00			Rm Exh	0	0	
Exposed Floor	0	0	0.00	0	0.00	Exposed Floor	0	0.00			Auxil	0	0	
Infiltration	627	0	3.20	238	1.65	Infiltration	-4,134	7.13			ENGINEERING CKS			
Sub Total ==>	1,485	0	7.59	1,096	7.58	Sub Total ==>	-5,044	8.70			% OA	100.0	0.0	
Internal Loads					Internal Loads							cfm/ft²	0.36	0.00
Lights	9,804	0	50.08	9,804	67.80	Lights	0	0.00			cfm/ton	418.54		
People	0	0	0.00	0	0.00	People	0	0.00			ft²/ton	1,173.91		
Misc	0	0	0.00	0	0.00	Misc	0	0.00			Btu/hr-ft²	10.22	-26.74	
Sub Total ==>	9,804	0	50.08	9,804	67.80	Sub Total ==>	0	0.00			No. People	0		
Ceiling Load					Ceiling Load									
Ventilation Load	3,561	-3,561	0.00	3,561	24.63	Ventilation Load	-3,737	0.00						
Ov/Undr Sizing	0	0	41.30	0	0.00	Ov/Undr Sizing	0	0.00						
Exhaust Heat	0	0	0.00	0	0.00	Exhaust Heat	0	0.00						
Sup. Fan Heat	0	0	0.00	0	0.00	OA Preheat Diff.	512	-0.88						
Ret. Fan Heat	0	0	1.03	0	0.00	RA Preheat Diff.	-49,703	85.74						
Duct Heat PkUp	0	0	0.00	0	0.00	Additional Reheat	0	0.00						
Reheat at Design	0	0	0.00	0	0.00	System Plenum Heat	-3,737	6.45						
Grand Total ==>	14,850	-3,561	100.00	14,461	100.00	Grand Total ==>	-8,782	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	°F °F gr/lb	°F °F gr/lb		ft² (%)			MBh	cfm	°F	°F					
Main Clg	1.6	19.6	14.2	683	79.0	65.2	70.9	55.7	55.7	66.4	Main Htg	-8.8	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	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	Preheat	-42.4	683	0.0	55.7		
Total	1.6	19.6									Humidif	0.0	0	0.0	0.0		
											Opt Vent	0.0	0	0.0	0.0		
											Total	-51.2					