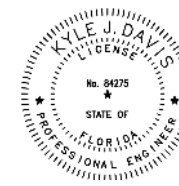


Zone Checksums

By Coburn and Associates



101 - ENTRY

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES		
Peaked at Time: Mo/Hr: 8 / 16					Mo/Hr: 8 / 17			Mo/Hr: Heating Design					
Outside Air: OADB/WB/HR: 97 / 80 / 129					OADB: 96			OADB: 30					
Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)		Space Sensible Btu/h	Percent Of Total (%)		Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)		Cooling	Heating
Envelope Loads					Envelope Loads								
Skylite Solar	0	0	0	0	0	0	0	0	0	0.00	SADB	56.0	76.3
Skylite Cond	0	0	0	0	0	0	0	0	0	0.00	Ra Plenum	75.3	68.4
Roof Cond	0	646	646	21	0	0	0	0	-289	21.02	Return	75.3	68.4
Glass Solar	0	0	0	0	0	0	0	0	0	0.00	Ret/OA	84.0	53.2
Glass/Door Cond	123	0	123	4	119	12	12	-192	-192	13.96	Fn MtrTD	0.0	0.0
Wall Cond	154	117	270	9	159	17	17	-93	-165	12.02	Fn BldTD	0.0	0.0
Partition/Door	0	0	0	0	0	0	0	0	0	0.00	Fn Frict	0.0	0.0
Floor	0	0	0	0	0.00	0	0	0	0	0.00			
Adjacent Floor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Infiltration	0	0	0	0	0	0	0	0	0	0.00			
Sub Total ==>	277	762	1,039	33	277	29	29	-285	-645	47.00			
Internal Loads					Internal Loads								
Lights	483	121	604	19	483	51	51	0	0	0.00			
People	0	0	0	0	0	0	0	0	0	0.00			
Misc	0	0	0	0	0	0	0	0	0	0.00			
Sub Total ==>	483	121	604	19	483	51	51	0	0	0.00			
Ceiling Load	187	-187	0	0	192	20	20	-89	0	0.00			
Ventilation Load	0	0	1,551	50	0	0	0	0	-941	68.53			
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0			
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0	0	0.00			
Ov/Undr Sizing	0	0	0	0	0	0	0	0	37	-2.70			
Exhaust Heat	0	-78	-78	-2	0	0	0	0	0	0.00			
Sup. Fan Heat	0	0	0	0	0	0	0	0	0	0.00			
Ret. Fan Heat	0	0	0	0	0	0	0	0	0	0.00			
Duct Heat Pkup	0	0	0	0	0	0	0	0	176	-12.83			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0	0	0.00			
Grand Total ==>	947	619	3,117	100.00	953	100.00	100.00	-374	-1,373	100.00			

AIRFLOWS		
	Cooling	Heating
Diffuser	54	54
Terminal	54	54
Main Fan	54	54
Sec Fan	0	0
Nom Vent	21	21
AHU Vent	21	21
Infil	0	0
MinStop/Rh	0	0
Return	54	54
Exhaust	21	21
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	39.1	39.1
cfm/ft²	0.30	0.30
cfm/ton	206.86	
ft²/ton	681.53	
Btu/hr-ft²	17.61	-7.75
No. People	0	

COOLING COIL SELECTION										AREAS				HEATING COIL SELECTION				
	Total Capacity ton	MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR °F °F gr/lb			Leave DB/WB/HR °F °F gr/lb			Gross Total	Glass ft²	(%)		Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Clg	0.3	3.1	2.2	54	84.0	70.1	89.0	56.0	51.8	50.8	Floor	177		Main Htg	-1.4	54	53.2	76.3
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	1		Preheat	-0.2	54	53.2	56.0
											ExFlr	0						
Total	0.3	3.1									Roof	177	0	Humidif	0.0	0	0.0	0.0
											Wall	54	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	24	0	Total	-1.4			

Zone Checksums

By Coburn and Associates

102 - RESTROOM

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES		
Peaked at Time: Mo/Hr: 9 / 17					Mo/Hr: 9 / 17			Mo/Hr: Heating Design					
Outside Air: OADB/WB/HR: 93 / 77 / 114					OADB: 93			OADB: 30					
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total		Space Sensible	Percent Of Total		Space Peak	Coil Peak	Percent		Cooling	Heating
Btu/h	Btu/h	Btu/h	(%)		Btu/h	(%)		Space Sens	Tot Sens	Of Total			
Btu/h	Btu/h	Btu/h	(%)		Btu/h	(%)		Btu/h	Btu/h	(%)			
Envelope Loads					Envelope Loads								
Skylite Solar	0	0	0	0	0	0	0	0	0	0.00	SADB	56.0	76.3
Skylite Cond	0	0	0	0	0	0	0	0	0	0.00	Ra Plenum	75.2	68.4
Roof Cond	0	158	158	19	0	0	0	0	-78	29.45	Return	75.2	68.4
Glass Solar	0	0	0	0	0	0	0	0	0	0.00	Ret/OA	75.2	68.4
Glass/Door Cond	0	0	0	0	0	0	0	0	0	0.00	Fn MtrTD	0.0	0.0
Wall Cond	361	154	515	62	361	67	0	-188	-268	100.74	Fn BldTD	0.0	0.0
Partition/Door	0	0	0	0	0	0	0	0	0	0.00	Fn Frict	0.0	0.0
Floor	0	0	0	0	0.00	0	0	0	0	0.00			
Adjacent Floor	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00			
Infiltration	0	0	0	0	0	0	0	0	0	0.00			
Sub Total ==>	361	312	673	80	361	67	0	-188	-346	130.19			
Internal Loads					Internal Loads								
Lights	131	33	164	20	131	24	0	0	0	0.00			
People	0	0	0	0	0	0	0	0	0	0.00			
Misc	0	0	0	0	0	0	0	0	0	0.00			
Sub Total ==>	131	33	164	20	131	24	0	0	0	0.00			
Ceiling Load	49	-49	0	0	49	9	0	-24	0	0.00			
Ventilation Load	0	0	0	0	0	0	0	0	0	0.00			
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0			
Dehumid. Ov Sizing			0	0			0	0	0	0.00			
Ov/Undr Sizing	0		0	0	0	0	0	0	0	0.00			
Exhaust Heat		0	0	0			0	0	0	0.00			
Sup. Fan Heat			0	0			0	0	0	0.00			
Ret. Fan Heat		0	0	0			0	0	0	0.00			
Duct Heat Pkup		0	0	0			0	80	-30.19				
Underflr Sup Ht Pkup			0	0			0	0	0	0.00			
Supply Air Leakage		0	0	0			0	0	0	0.00			
Grand Total ==>	542	295	837	100.00	542	100.00	0	-212	-266	100.00			

AIRFLOWS		
	Cooling	Heating
Diffuser	31	31
Terminal	31	31
Main Fan	31	31
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	0	0
MinStop/Rh	0	0
Return	31	31
Exhaust	0	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft²	0.64	0.64
cfm/ton	437.77	
ft²/ton	688.13	
Btu/hr-ft²	17.44	-5.54
No. People	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	°F	°F	gr/lb		ft²	(%)		MBh	cfm	°F	°F
Main Clg	0.1	0.8	0.8	31	75.2	58.0	44.9	56.0	47.7	36.1	Floor	48		Main Htg	-0.3	31	68.4	76.3
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	1		Preheat	0.0	0	0.0	0.0
											ExFlr	0						
Total	0.1	0.8									Roof	48	0	Humidif	0.0	0	0.0	0.0
											Wall	87	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	Total	-0.3			

By Coburn and Associates

By Coburn and Associates

COOLING COIL PEAK					CLG SPACE PEAK		HEATING COIL PEAK		
Peaked at Time:		Mo/Hr: 9 / 15			Mo/Hr: 9 / 14		Mo/Hr: Heating Design		
Outside Air:		OADB/WB/HR: 94 / 78 / 121			OADB: 94		OADB: 30		
	Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total
	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)
Envelope Loads						Envelope Loads			
Skylite Solar	0	0	0	0	0	0	0	0	0.00
Skylite Cond	0	0	0	0	0	0	0	0	0.00
Roof Cond	0	450	450	6	0	0	0	-259	8.27
Glass Solar	1,939	0	1,939	25	2,028	36	0	0	0.00
Glass/Door Cond	727	0	727	9	682	12	-1,304	-1,304	41.63
Wall Cond	816	446	1,262	16	802	14	-545	-846	27.02
Partition/Door	0		0	0	0	0	0	0	0.00
Floor	0		0	0	0.00	0	0	0	0.00
Adjacent Floor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Infiltration	0		0	0	0	0	0	0	0.00
Sub Total ==>	3,482	896	4,378	55	3,513	63	-1,849	-2,409	76.92
Internal Loads						Internal Loads			
Lights	434	109	543	7	434	8	0	0	0.00
People	1,000	0	1,000	13	500	9	0	0	0.00
Misc	1,024	0	1,024	13	1,024	18	0	0	0.00
Sub Total ==>	2,458	109	2,567	32	1,958	35	0	0	0.00
Ceiling Load	151	-151	0	0	136	2	-80	0	0.00
Ventilation Load	0	0	1,004	13	0	0	0	-672	21.45
Adj Air Trans Heat	0		0	0	0	0	0	0	0
Dehumid. Ov Sizing			0	0			0	0	0.00
Ov/Undr Sizing	0		0	0	0	0	Exhaust Heat	26	-0.85
Exhaust Heat		-50	-50	-1			OA Preheat Diff.	0	0.00
Sup. Fan Heat			0	0			RA Preheat Diff.	0	0.00
Ret. Fan Heat		0	0	0			Additional Reheat	0	0.00
Duct Heat PkUp		0	0	0			System Plenum Heat	-78	2.48
Underflr Sup Ht PkUp			0	0			Underflr Sup Ht PkUp	0	0.00
Supply Air Leakage		0	0	0			Supply Air Leakage	0	0.00
Grand Total ==>	6,090	805	7,899	100.00	5,606	100.00	-1,929	-3,132	100.00

TEMPERATURES		
	Cooling	Heating
SADB	56.0	75.5
Ra Plenum	75.0	68.4
Return	75.0	68.4
Ret/OA	75.9	66.6
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS		
	Cooling	Heating
Diffuser	316	316
Terminal	316	316
Main Fan	316	316
Sec Fan	0	0
Nom Vent	15	15
AHU Vent	15	15
Infil	0	0
MinStop/Rh	0	0
Return	316	316
Exhaust	15	15
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	4.7	4.7
cfm/ft²	1.99	1.99
cfm/ton	480.13	
ft³/ton	241.55	
Btu/hr-ft²	49.68	-19.70
No. People	2	

COOLING COIL SELECTION											AREAS				HEATING COIL SELECTION				
	Total Capacity ton	Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR °F °F gr/lb			Leave DB/WB/HR °F °F gr/lb			Gross Total		Glass ft² (%)		Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F	
Main Clg	0.7	7.9	6.8	316	75.9	62.3	63.0	56.0	53.8	58.8	Floor	159		Main Htg	-3.1	316	66.6	75.5	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	1		Preheat	0.0	0	0.0	0.0	
											ExFlr	0							
											Roof	159	0 0	Humidif	0.0	0	0.0	0.0	
											Wall	328	52 16	Opt Vent	0.0	0	0.0	0.0	
											Ext Door	0	0 0	Total	-3.1				
Total	0.7	7.9																	

Zone Checksums

By Coburn and Associates

104 - LAUNDRY

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES					
Peaked at Time: Mo/Hr: 8 / 14					Mo/Hr: 8 / 13			Mo/Hr: Heating Design				Cooling			Heating		
Outside Air: OADB/WB/HR: 97 / 79 / 123					OADB: 96			OADB: 30				SADB			56.0	74.1	
												Ra Plenum			74.8	68.4	
												Return			74.8	68.4	
												Ret/OA			77.5	63.7	
												Fn MtrTD			0.0	0.0	
												Fn BldTD			0.0	0.0	
												Fn Frict			0.0	0.0	
												AIRFLOWS					
												Cooling			Heating		
												Diffuser			108		108
												Terminal			108		108
												Main Fan			108		108
												Sec Fan			0		0
												Nom Vent			13		13
												AHU Vent			13		13
												Infil			0		0
												MinStop/Rh			0		0
												Return			108		108
												Exhaust			13		13
												Rm Exh			0		0
												Auxiliary			0		0
												Leakage Dwn			0		0
												Leakage Ups			0		0
												ENGINEERING CKS					
												Cooling			Heating		
												% OA			12.0		12.0
												cfm/ft²			1.03		1.03
												cfm/ton			396.85		
												ft²/ton			385.32		
												Btu/hr·ft²			31.14		-11.78
												No. People			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	cfm	°F	°F	°F	°F	gr/lb	°F	°F		ft²	(%)		MBh	cfm	°F	°F	
Main Clg	0.3	3.3	2.7	108	77.5	63.7	66.7	56.0	53.5	105	0	0		Main Htg	-1.2	108	63.7	74.1
Aux Clg	0.0	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	1	0	0		Preheat	0.0	0	0.0	0.0
										ExFlr	0	0						
Total	0.3	3.3								Roof	105	0	0	Humidif	0.0	0	0.0	0.0
										Wall	123	0	0	Opt Vent	0.0	0	0.0	0.0
										Ext Door	24	0	0	Total	-1.2			

By Coburn and Associates

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 8 / 15			Mo/Hr: 9 / 12		Mo/Hr: Heating Design				Cooling		Heating		
Outside Air:		OADB/WB/HR: 98 / 80 / 126			OADB: 90		OADB: 30				SADB		56.0	75.7	
												Ra Plenum		75.1	68.4
												Return		75.1	68.4
												Ret/OA		81.7	57.2
												Fn MtrTD		0.0	0.0
												Fn BldTD		0.0	0.0
												Fn Frict		0.0	0.0
												AIRFLOWS			
												Cooling		Heating	
												Diffuser		31	31
												Terminal		31	31
												Main Fan		31	31
												Sec Fan		0	0
												Nom Vent		9	9
												AHU Vent		9	9
												Infil		0	0
												MinStop/Rh		0	0
												Return		31	31
												Exhaust		9	9
												Rm Exh		0	0
												Auxiliary		0	0
												Leakage Dwn		0	0
												Leakage Ups		0	0
												ENGINEERING CKS			
												Cooling		Heating	
												% OA		28.8	28.8
												cfm/ft²		0.42	0.42
												cfm/ton		262.81	
												ft³/ton		631.48	
												Btu/hr-ft²		19.00	-8.53
												No. People		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	°F	°F	gr/lb			ft²	(%)	MBh	cfm	°F	°F	
Main Clg	0.1	1.4	1.0	31	81.7	67.8	80.3	56.0	53.1	56.0	Floor	75			Main Htg	-0.6	31	57.2	75.7
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0			Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	1			Preheat	0.0	0	0.0	0.0
											ExFlr	0							
Total	0.1	1.4									Roof	75	0	0	Humidif	0.0	0	0.0	0.0
											Wall	74	0	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	Total	-0.6			

Zone Checksums

By Coburn and Associates

105 - HALL

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES				
Peaked at Time: Mo/Hr: 8 / 16					Mo/Hr: 8 / 15			Mo/Hr: Heating Design			Cooling			Heating	
Outside Air: OADB/WB/HR: 97 / 80 / 129					OADB: 98			OADB: 30			SADB			56.0	89.7
											Ra Plenum			75.3	68.4
											Return			75.3	68.4
											Ret/OA			76.8	65.8
											Fn MtrTD			0.0	0.0
											Fn BldTD			0.0	0.0
											Fn Frict			0.0	0.0

AIRFLOWS		
	Cooling	Heating
Diffuser	106	106
Terminal	106	106
Main Fan	106	106
Sec Fan	0	0
Nom Vent	7	7
AHU Vent	7	7
Infil	50	50
MinStop/Rh	0	0
Return	156	156
Exhaust	57	57
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	6.6	6.6
cfm/ft²	0.91	0.91
cfm/ton	330.73	
ft²/ton	363.64	
Btu/hr-ft²	33.00	-24.01
No. People	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	°F	°F	gr/lb	ft²	(%)		MBh	cfm	°F	°F	
Main Clg	0.3	3.8	2.2	106	76.8	68.3	91.0	56.0	56.0	67.4	Floor	116		Main Htg	-2.8	106	65.8	89.7
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	1		Preheat	0.0	0	0.0	0.0
											ExFlr	0						
Total	0.3	3.8									Roof	116	0	Humidif	0.0	0	0.0	0.0
											Wall	0	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	Total	-2.8			

By Coburn and Associates

By Coburn and Associates

COOLING COIL PEAK					CLG SPACE PEAK		HEATING COIL PEAK				
Peaked at Time:		Mo/Hr: 9 / 16			Mo/Hr: 10 / 16		Mo/Hr: Heating Design				
Outside Air:		OADB/WB/HR: 94 / 77 / 116			OADB: 84		OADB: 30				
	Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total		Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total	
	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)		Btu/h	Btu/h	(%)	
Envelope Loads							Envelope Loads				
Skylite Solar	0	0	0	0	0	0	Skylite Solar	0	0	0.00	
Skylite Cond	0	0	0	0	0	0	Skylite Cond	0	0	0.00	
Roof Cond	0	396	396	6	0	0	Roof Cond	0	-196	10.46	
Glass Solar	1,570	0	1,570	26	1,888	42	Glass Solar	0	0	0.00	
Glass/Door Cond	373	0	373	6	208	5	Glass/Door Cond	-652	-652	34.85	
Wall Cond	388	232	620	10	396	9	Wall Cond	-200	-319	17.07	
Partition/Door	0		0	0	0	0	Partition/Door	0	0	0.00	
Floor	0		0	0	0.00	0	Floor	0	0	0.00	
Adjacent Floor	0.00	0.00	0.00	0.00	0.00	0.00	Adjacent Floor	0.00	0.00	0.00	
Infiltration	0		0	0	0	0	Infiltration	0	0	0.00	
Sub Total ==>	2,331	628	2,958	48	2,492	56	Sub Total ==>	-852	-1,167	62.37	
Internal Loads							Internal Loads				
Lights	328	82	410	7	328	7	Lights	0	0	0.00	
People	1,000	0	1,000	16	500	11	People	0	0	0.00	
Misc	1,024	0	1,024	17	1,024	23	Misc	0	0	0.00	
Sub Total ==>	2,352	82	2,433	40	1,852	42	Sub Total ==>	0	0	0.00	
Ceiling Load	121	-121	0	0	101	2	Ceiling Load	-61	0	0.00	
Ventilation Load	0	0	764	12	0	0	Ventilation Load	0	-537	28.73	
Adj Air Trans Heat	0		0	0	0	0	Adj Air Trans Heat	0	0	0	
Dehumid. Ov Sizing			0	0			Ov/Undr Sizing	0	0	0.00	
Ov/Undr Sizing	0		0	0	0	0	Exhaust Heat		21	-1.13	
Exhaust Heat		-42	-42	-1			OA Preheat Diff.		0	0.00	
Sup. Fan Heat			0	0			RA Preheat Diff.		0	0.00	
Ret. Fan Heat		0	0	0			Additional Reheat		0	0.00	
Duct Heat PkUp		0	0	0			System Plenum Heat		-188	10.03	
Underflr Sup Ht PkUp			0	0			Underflr Sup Ht PkUp		0	0.00	
Supply Air Leakage		0	0	0			Supply Air Leakage		0	0.00	
Grand Total ==>	4,803	546	6,113	100.00	4,445	100.00	Grand Total ==>	-912	-1,871	100.00	

TEMPERATURES		
	Cooling	Heating
SADB	56.0	73.3
Ra Plenum	75.2	68.4
Return	75.2	68.4
Ret/OA	76.1	66.6
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS		
	Cooling	Heating
Diffuser	251	251
Terminal	251	251
Main Fan	251	251
Sec Fan	0	0
Nom Vent	12	12
AHU Vent	12	12
Infil	0	0
MinStop/Rh	0	0
Return	251	251
Exhaust	12	12
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	4.8	4.8
cfm/ft²	2.09	2.09
cfm/ton	491.87	
ft³/ton	235.56	
Btu/hr-ft²	50.94	-15.59
No. People	2	

COOLING COIL SELECTION											AREAS				HEATING COIL SELECTION				
	Total Capacity ton	Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR °F °F gr/lb			Leave DB/WB/HR °F °F gr/lb			Gross Total		Glass ft² (%)	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F		
Main Clg	0.5	6.1	5.1	251	76.1	62.2	62.2	56.0	53.9	59.1	Floor	120		Main Htg	-1.9	251	66.6	73.3	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	1		Preheat	0.0	0	0.0	0.0	
											ExFlr	0							
											Roof	120	0 0	Humidif	0.0	0	0.0	0.0	
											Wall	130	26 20	Opt Vent	0.0	0	0.0	0.0	
Total	0.5	6.1									Ext Door	0	0 0	Total	-1.9				

Zone Checksums

By Coburn and Associates

107 - OFFICE

COOLING COIL PEAK					CLG SPACE PEAK		HEATING COIL PEAK			TEMPERATURES		
Peaked at Time: Mo/Hr: 9 / 16					Mo/Hr: 10 / 16		Mo/Hr: Heating Design					
Outside Air: OADB/WB/HR: 94 / 77 / 116					OADB: 84		OADB: 30					
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total		Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent		Cooling	Heating
Btu/h	Btu/h	Btu/h	(%)		Btu/h	(%)	Space Sens	Tot Sens	Of Total			
Btu/h	Btu/h	Btu/h	(%)		Btu/h	(%)	Btu/h	Btu/h	(%)			
Envelope Loads							Envelope Loads					
Skylite Solar	0	0	0	0	0	0	Skylite Solar	0	0.00	SADB	56.0	73.3
Skylite Cond	0	0	0	0	0	0	Skylite Cond	0	0.00	Ra Plenum	75.2	68.4
Roof Cond	0	389	389	6	0	0	Roof Cond	0	10.29	Return	75.2	68.4
Glass Solar	1,570	0	1,570	26	1,888	43	Glass Solar	0	0.00	Ret/OA	76.1	66.6
Glass/Door Cond	373	0	373	6	208	5	Glass/Door Cond	-652	34.88	Fn MtrTD	0.0	0.0
Wall Cond	388	232	620	10	396	9	Wall Cond	-200	17.08	Fn BldTD	0.0	0.0
Partition/Door	0	0	0	0	0	0	Partition/Door	0	0.00	Fn Frict	0.0	0.0
Floor	0	0	0	0	0.00	0	Floor	0	0.00			
Adjacent Floor	0.00	0.00	0.00	0.00	0.00	0.00	Adjacent Floor	0.00	0.00			
Infiltration	0	0	0	0	0	0	Infiltration	0	0.00			
Sub Total ==>	2,331	621	2,952	48	2,492	56	Sub Total ==>	-852	62.25			
Internal Loads							Internal Loads					
Lights	322	81	403	7	322	7	Lights	0	0.00	AIRFLOWS		
People	1,000	0	1,000	16	500	11	People	0	0.00		Cooling	Heating
Misc	1,024	0	1,024	17	1,024	23	Misc	0	0.00	Diffuser	250	250
Sub Total ==>	2,346	81	2,427	40	1,846	42	Sub Total ==>	0	0.00	Terminal	250	250
										Main Fan	250	250
Ceiling Load	119	-119	0	0	99	2	Ceiling Load	-60	0.00	Sec Fan	0	0
Ventilation Load	0	0	763	13	0	0	Ventilation Load	0	28.76	Nom Vent	12	12
Adj Air Trans Heat	0		0	0	0	0	Adj Air Trans Heat	0	0	AHU Vent	12	12
Dehumid. Ov Sizing			0	0			Ov/Undr Sizing	0	0.00	Infil	0	0
Ov/Undr Sizing	0		0	0	0	0	Exhaust Heat	21	-1.13	MinStop/Rh	0	0
Exhaust Heat		-42	-42	-1			OA Preheat Diff.	0	0.00	Return	250	250
Sup. Fan Heat		0	0	0			RA Preheat Diff.	0	0.00	Exhaust	12	12
Ret. Fan Heat		0	0	0			Additional Reheat	0	0.00	Rm Exh	0	0
Duct Heat Pkup		0	0	0			System Plenum Heat	-189	10.12	Auxiliary	0	0
Underflr Sup Ht Pkup		0	0	0			Underflr Sup Ht Pkup	0	0.00	Leakage Dwn	0	0
Supply Air Leakage		0	0	0			Supply Air Leakage	0	0.00	Leakage Ups	0	0
Grand Total ==>	4,796	540	6,100	100.00	4,437	100.00	Grand Total ==>	-911	100.00	ENGINEERING CKS		

COOLING COIL SELECTION										AREAS				HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR		Leave DB/WB/HR					Gross Total	Glass			Capacity	Coil Airflow	Ent	Lvg	
ton	MBh	MBh	°F	°F	°F	°F	gr/lb	°F	°F		ft²	(%)		MBh	cfm	°F	°F	
Main Clg	0.5	6.1	5.1	250	76.1	62.2	62.2	56.0	53.9	118				Main Htg	-1.9	250	66.6	73.3
Aux Clg	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	1				Preheat	0.0	0	0.0	0.0
										0								
Total	0.5	6.1								Roof	118	0	0	Humidif	0.0	0	0.0	0.0
										Wall	130	26	20	Opt Vent	0.0	0	0.0	0.0
										Ext Door	0	0	0	Total	-1.9			

By Coburn and Associates

COOLING COIL PEAK					CLG SPACE PEAK		HEATING COIL PEAK			TEMPERATURES		
Peaked at Time:		Mo/Hr: 8 / 18			Mo/Hr: 8 / 18		Mo/Hr: Heating Design			Cooling		Heating
Outside Air:		OADB/WB/HR: 94 / 79 / 126			OADB: 94		OADB: 30			SADB		75.0
										Ra Plenum		68.4
										Return		68.4
										Ret/OA		67.1
										Fn MtrTD		0.0
										Fn BldTD		0.0
										Fn Frict		0.0
	Space	Plenum	Net	Percent	Space	Percent		Space Peak	Coil Peak	Percent		
	Sens. + Lat.	Sens. + Lat	Total	Of Total	Sensible	Of Total		Space Sens	Tot Sens	Of Total		
	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)		Btu/h	Btu/h	(%)		
Envelope Loads					Envelope Loads							
Skylite Solar	0	0	0	0	0	0	Skylite Solar	0	0	0.00		
Skylite Cond	0	0	0	0	0	0	Skylite Cond	0	0	0.00		
Roof Cond	0	672	672	7	0	0	Roof Cond	0	-302	9.44		
Glass Solar	2,391	0	2,391	27	2,391	37	Glass Solar	0	0	0.00		
Glass/Door Cond	791	0	791	9	791	12	Glass/Door Cond	-1,304	-1,304	40.82		
Wall Cond	1,115	592	1,707	19	1,115	17	Wall Cond	-632	-970	30.37		
Partition/Door	0		0	0	0	0	Partition/Door	0	0	0.00		
Floor	0		0	0	0.00	0	Floor	0	0	0.00		
Adjacent Floor	0.00	0.00	0.00	0.00	0.00	0.00	Adjacent Floor	0.00	0.00	0.00		
Infiltration	0		0	0	0	0	Infiltration	0	0	0.00		
Sub Total ==>	4,296	1,264	5,560	62	4,296	66	Sub Total ==>	-1,936	-2,575	80.63		
Internal Loads					Internal Loads							
Lights	505	126	631	7	505	8	Lights	0	0	0.00		
People	1,000	0	1,000	11	500	8	People	0	0	0.00		
Misc	1,024	0	1,024	11	1,024	16	Misc	0	0	0.00		
Sub Total ==>	2,529	126	2,655	29	2,029	31	Sub Total ==>	0	0	0.00		
Ceiling Load					Ceiling Load							
Ventilation Load	197	-197	0	0	197	3	Ventilation Load	-93	0	0.00		
Adj Air Trans Heat	0	0	846	9	0	0	Adj Air Trans Heat	0	-537	16.83		
Dehumid. Ov Sizing			0	0	0	0	Ov/Undr Sizing	0	0	0.00		
Ov/Undr Sizing	0		0	0	0	0	Exhaust Heat		21	-0.66		
Exhaust Heat		-45	-45	0		0	OA Preheat Diff.		0	0.00		
Sup. Fan Heat			0	0		0	RA Preheat Diff.		0	0.00		
Ret. Fan Heat		0	0	0		0	Additional Reheat		0	0.00		
Duct Heat Pkup		0	0	0		0	System Plenum Heat		-102	3.21		
Underftr Sup Ht Pkup			0	0		0	Underftr Sup Ht Pkup		0	0.00		
Supply Air Leakage		0	0	0		0	Supply Air Leakage		0	0.00		
Grand Total ==>	7,022	1,149	9,016	100.00	6,522	100.00	Grand Total ==>	-2,029	-3,194	100.00		
											AIRFLOWS	
											Cooling	Heating
Diffuser											368	368
Terminal											368	368
Main Fan											368	368
Sec Fan											0	0
Nom Vent											12	12
AHU Vent											12	12
Infil											0	0
MinStop/Rh											0	0
Return											368	368
Exhaust											12	12
Rm Exh											0	0
Auxiliary											0	0
Leakage Dwn											0	0
Leakage Ups											0	0
ENGINEERING CKS												
											Cooling	Heating
% OA											3.3	3.3
cfm/ft²											1.99	1.99
cfm/ton											489.32	
ft²/ton											246.22	
Btu/hr·ft²											48.74	-17.27
No. People											2	

COOLING COIL SELECTION											AREAS				HEATING COIL SELECTION				
	Total Capacity ton	MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR °F °F gr/lb			Leave DB/WB/HR °F °F gr/lb			Gross Total		Glass ft² (%)		Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F	
Main Clg	0.8	9.0	8.0	368	76.0	62.0	61.5	56.0	53.6	58.0	Floor	185			Main Htg	-3.2	368	67.1	75.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0			Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	1			Preheat	0.0	0	0.0	0.0
											ExFlr	0							
											Roof	185	0	0	Humidif	0.0	0	0.0	0.0
											Wall	368	52	14	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	Total	-3.2			
Total	0.8	9.0																	

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By Coburn and Associates

By Coburn and Associates

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES					
Peaked at Time:		Mo/Hr: 8 / 14			Mo/Hr: 9 / 13		Mo/Hr: Heating Design				Cooling		Heating				
Outside Air:		OADB/WB/HR: 97 / 79 / 123			OADB: 92		OADB: 30				SADB		56.0	76.4			
	Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total		Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total							
	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)		Btu/h	Btu/h	(%)							
Envelope Loads							Envelope Loads										
Skylite Solar	0	0	0	0	0	0	Skylite Solar	0	0	0.00							
Skylite Cond	0	0	0	0	0	0	Skylite Cond	0	0	0.00							
Roof Cond	0	483	483	13	0	0	Roof Cond	0	-302	17.11							
Glass Solar	0	0	0	0	0	0	Glass Solar	0	0	0.00							
Glass/Door Cond	0	0	0	0	0	0	Glass/Door Cond	0	0	0.00							
Wall Cond	869	369	1,238	32	993	61	Wall Cond	-560	-799	45.34							
Partition/Door	0		0	0	0	0	Partition/Door	0	0	0.00							
Floor	0		0	0	0.00	0	Floor	0	0	0.00							
Adjacent Floor	0.00	0.00	0.00	0.00	0.00	0.00	Adjacent Floor	0.00	0.00	0.00							
Infiltration	0		0	0	0	0	Infiltration	0	0	0.00							
Sub Total ==>	869	852	1,721	45	993	61	Sub Total ==>	-560	-1,101	62.45							
Internal Loads							Internal Loads										
Lights	505	126	631	16	505	31	Lights	0	0	0.00							
People	0	0	0	0	0	0	People	0	0	0.00							
Misc	0	0	0	0	0	0	Misc	0	0	0.00							
Sub Total ==>	505	126	631	16	505	31	Sub Total ==>	0	0	0.00							
Ceiling Load	163	-163	0	0	135	8	Ceiling Load	-93	0	0.00							
Ventilation Load	0	0	1,575	41	0	0	Ventilation Load	0	-985	55.91							
Adj Air Trans Heat	0		0	0	0	0	Adj Air Trans Heat	0	0	0							
Dehumid. Ov Sizing			0	0			Ov/Undr Sizing	0	0	0.00							
Ov/Undr Sizing	0		0	0	0	0	Exhaust Heat		39	-2.20							
Exhaust Heat		-68	-68	-2			OA Preheat Diff.		0	0.00							
Sup. Fan Heat			0	0			RA Preheat Diff.		0	0.00							
Ret. Fan Heat		0	0	0			Additional Reheat		0	0.00							
Duct Heat Pkup		0	0	0			System Plenum Heat		285	-16.16							
Underflr Sup Ht Pkup			0	0			Underflr Sup Ht Pkup		0	0.00							
Supply Air Leakage		0	0	0			Supply Air Leakage		0	0.00							
Grand Total ==>	1,536	748	3,860	100.00	1,634	100.00	Grand Total ==>	-653	-1,762	100.00							

AIRFLOWS		
	Cooling	Heating
Diffuser	92	92
Terminal	92	92
Main Fan	92	92
Sec Fan	0	0
Nom Vent	22	22
AHU Vent	22	22
Infil	0	0
MinStop/Rh	0	0
Return	92	92
Exhaust	22	22
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	23.9	23.9
cfm/ft²	0.50	0.50
cfm/ton	286.33	
ft²/ton	575.16	
Btu/hr-ft²	20.86	-9.53
No. People	0	

COOLING COIL SELECTION										
	Total Capacity ton	Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR °F °F gr/lb			Leave DB/WB/HR °F °F gr/lb		
Main Clg	0.3	3.9	2.9	92	80.2	66.4	75.9	56.0	52.7	54.4
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.3	3.9								

AREAS			
Gross Total	Glass ft²	(%)	
Floor	185		
Part	0		
Int Door	1		
ExFlr	0		
Roof	185	0	0
Wall	260	0	0
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-1.8	92	59.1	76.4
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-1.8			

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Zone Checksums

By Coburn and Associates

110 - DAY AREA

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES				
Peaked at Time: Mo/Hr: 8 / 16					Mo/Hr: 6 / 17			Mo/Hr: Heating Design			Cooling			Heating	
Outside Air: OADB/WB/HR: 97 / 80 / 129					OADB: 94			OADB: 30			SADB			56.0	68.1
											Ra Plenum			71.5	67.5
											Return			71.5	67.5
											Ret/OA			77.1	59.2
											Fn MtrTD			0.0	0.0
											Fn BldTD			0.0	0.0
											Fn Frict			0.0	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	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft² (%)	MBh	MBh	cfm	°F	°F			
Main Clg	2.1	25.7	16.3	77.1	66.4	80.6	56.0	55.2	64.2	Floor	553	-7.3	733	59.2	68.1	Main Htg	-7.3	733
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	Aux Htg	0.0	0
Opt Vent	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	1	0.0	0	0.0	0.0	Preheat	0.0	0
										ExFlr	0							
Total	2.1	25.7								Roof	553	0	0	0.0	0.0	Humidif	0.0	0
										Wall	0	0	0	0.0	0.0	Opt Vent	0.0	0
										Ext Door	0	0	0			Total	-7.3	

Zone Checksums

By Coburn and Associates

111 - KITCHEN

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES				
Peaked at Time: Mo/Hr: 8 / 18					Mo/Hr: 6 / 19			Mo/Hr: Heating Design				Cooling			Heating	
Outside Air: OADB/WB/HR: 94 / 79 / 126					OADB: 89			OADB: 30				SADB			56.0	71.7
												Ra Plenum			71.5	67.5
												Return			71.5	67.5
												Ret/OA			74.8	61.9
												Fn MtrTD			0.0	0.0
												Fn BldTD			0.0	0.0
												Fn Frict			0.0	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	°F	°F	gr/lb			ft²	(%)	MBh	cfm	°F	°F	
Main Clg	0.8	9.7	7.3	291	74.8	63.8	71.6	56.0	52.6	53.8	Floor	161			Main Htg	-3.2	291	61.9	71.7
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0			Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	1			Preheat	0.0	0	0.0	0.0
											ExFlr	0							
											Roof	161	0	0	Humidif	0.0	0	0.0	0.0
											Wall	194	0	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	Total	-3.2			
Total	0.8	9.7																	

Zone Checksums

By Coburn and Associates

113 - RESTROOM

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES						
Peaked at Time:		Mo/Hr: 6 / 17			Mo/Hr: 6 / 17		Mo/Hr: Heating Design				Cooling		Heating					
Outside Air:		OADB/WB/HR: 94 / 77 / 114			OADB: 94		OADB: 30				SADB		56.0	73.8				
Space		Plenum	Net	Percent	Space				Space Peak	Coil Peak	Percent	Ra Plenum		73.3	67.7			
Sens. + Lat.		Sens. + Lat	Total	Of Total	Sensible		Of Total		Space Sens	Tot Sens	Of Total	Return		73.3	67.7			
Btu/h		Btu/h	Btu/h	(%)	Btu/h		(%)		Btu/h	Btu/h	(%)	Ret/OA		73.3	67.7			
Envelope Loads					Envelope Loads										Fn MtrTD		0.0	0.0
Skylite Solar		0	0	0	0	0		0		Skylite Solar	0	0	0.00	Fn BldTD		0.0	0.0	
Skylite Cond		0	0	0	0	0		0		Skylite Cond	0	0	0.00	Fn Frict		0.0	0.0	
Roof Cond		0	258	258	53	0		0		Roof Cond	0	-106	134.12					
Glass Solar		0	0	0	0	0		0		Glass Solar	0	0	0.00					
Glass/Door Cond		0	0	0	0	0		0		Glass/Door Cond	0	0	0.00					
Wall Cond		0	0	0	0	0		0		Wall Cond	0	0	0.00					
Partition/Door		0	0	0	0	0		0		Partition/Door	0	0	0.00					
Floor		0	0	0	0	0.00		0		Floor	0	0	0.00					
Adjacent Floor		0.00	0.00	0.00	0.00	0.00		0.00		Adjacent Floor	0.00	0.00	0.00					
Infiltration		0	0	0	0	0		0		Infiltration	0	0	0.00					
Sub Total ==>		0	258	258	53	0		0		Sub Total ==>	0	-106	134.12					
Internal Loads					Internal Loads										AIRFLOWS			
Lights		180	45	225	47	180		87		Lights		0	0	0.00	Cooling		Heating	
People		0	0	0	0	0		0		People		0	0	0.00	Diffuser		12	12
Misc		0	0	0	0	0		0		Misc		0	0	0.00	Terminal		12	12
Sub Total ==>		180	45	225	47	180		87		Sub Total ==>		0	0	0.00	Main Fan		12	12
Ceiling Load		27	-27	0	0	27		13		Ceiling Load		-49	0	0.00	Sec Fan		0	0
Ventilation Load		0	0	0	0	0		0		Ventilation Load		0	0	0.00	Nom Vent		0	0
Adj Air Trans Heat		0	0	0	0	0		0		Adj Air Trans Heat		0	0	0	AHU Vent		0	0
Dehumid. Ov Sizing		0	0	0	0	0		0		Ov/Undr Sizing		0	0	0.00	Infil		0	0
Ov/Undr Sizing		0	0	0	0	0		0		Exhaust Heat		0	0	0.00	MinStop/Rh		0	0
Exhaust Heat		0	0	0	0	0		0		OA Preheat Diff.		0	0	0.00	Return		12	12
Sup. Fan Heat		0	0	0	0	0		0		RA Preheat Diff.		0	0	0.00	Exhaust		0	0
Ret. Fan Heat		0	0	0	0	0		0		Additional Reheat		0	0	0.00	Rm Exh		0	0
Duct Heat Pkup		0	0	0	0	0		0		System Plenum Heat		27	-34.12		Auxiliary		0	0
Underflr Sup Ht Pkup		0	0	0	0	0		0		Underflr Sup Ht Pkup		0	0	0.00	Leakage Dwn		0	0
Supply Air Leakage		0	0	0	0	0		0		Supply Air Leakage		0	0	0.00	Leakage Ups		0	0
Grand Total ==>		207	276	483	100.00	207		100.00		Grand Total ==>		-49	-79	100.00	ENGINEERING CKS			
															Cooling		Heating	
															% OA		0.0	0.0
															cfm/ft²		0.18	0.18
															cfm/ton		289.61	
															ft²/ton		1,638.73	
															Btu/hr·ft²		7.32	-1.19
															No. People		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	°F	°F	gr/lb			ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.0	0.5	0.5	12	73.3	57.3	45.0	56.0	40.6	13.2	Floor	66			Main Htg	-0.1	12	67.7	73.8	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0			Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	1			Preheat	0.0	0	0.0	0.0	
											ExFlr	0								
											Roof	66	0	0	Humidif	0.0	0	0.0	0.0	
											Wall	0	0	0	Opt Vent	0.0	0	0.0	0.0	
											Ext Door	0	0	0	Total	-0.1				
Total	0.0	0.5																		

Zone Checksums

By Coburn and Associates

114 - RESTROOM

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES				
Peaked at Time: Mo/Hr: 6 / 17					Mo/Hr: 6 / 17			Mo/Hr: Heating Design				Cooling			Heating	
Outside Air: OADB/WB/HR: 94 / 77 / 114					OADB: 94			OADB: 30				SADB			56.0	73.8
												Ra Plenum			73.3	67.7
												Return			73.3	67.7
												Ret/OA			73.3	67.7
												Fn MtrTD			0.0	0.0
												Fn BldTD			0.0	0.0
												Fn Frict			0.0	0.0

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

ENGINEERING CKS		
	Cooling	Heating
% OA	0.0	0.0
cfm/ft²	0.18	0.18
cfm/ton	289.61	
ft²/ton	1,638.73	
Btu/hr-ft²	7.32	-1.19
No. People	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	°F	°F	gr/lb	ft²	(%)		MBh	cfm	°F	°F	
Main Clg	0.0	0.5	0.5	12	73.3	57.3	45.0	56.0	40.6	13.2	Floor	66		Main Htg	-0.1	12	67.7	73.8
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	1		Preheat	0.0	0	0.0	0.0
											ExFlr	0						
Total	0.0	0.5									Roof	66	0	Humidif	0.0	0	0.0	0.0
											Wall	0	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	Total	-0.1			

Zone Checksums

By Coburn and Associates

115 - PANTRY

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES				
Peaked at Time: Mo/Hr: 8 / 18					Mo/Hr: 6 / 18			Mo/Hr: Heating Design				Cooling			Heating	
Outside Air: OADB/WB/HR: 94 / 79 / 126					OADB: 91			OADB: 30				SADB			56.0	76.4
												Ra Plenum			73.2	67.7
												Return			73.2	67.7
												Ret/OA			78.3	58.2
												Fn MtrTD			0.0	0.0
												Fn BldTD			0.0	0.0
												Fn Frict			0.0	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	°F	°F	gr/lb			ft²	(%)	MBh	cfm	°F	°F	
Main Clg	0.1	1.5	1.2	32	78.3	66.1	77.1	56.0	50.1	44.7	Floor	69			Main Htg	-0.7	32	58.2	76.4
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0			Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	1			Preheat	0.0	0	0.0	0.0
											ExFlr	0							
											Roof	69	0	0	Humidif	0.0	0	0.0	0.0
											Wall	82	0	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	Total	-0.7			
Total	0.1	1.5																	

By Coburn and Associates

COOLING COIL PEAK					CLG SPACE PEAK		HEATING COIL PEAK			TEMPERATURES		
Peaked at Time:		Mo/Hr: 8 / 16			Mo/Hr: 6 / 10		Mo/Hr: Heating Design			Cooling		Heating
Outside Air:		OADB/WB/HR: 97 / 80 / 129			OADB: 84		OADB: 30			SADB	56.0	70.5
Space Sens. + Lat.		Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent	Ra Plenum	73.1	67.7
Btu/h		Btu/h	Btu/h	(%)	Btu/h	(%)	Space Sens	Tot Sens	Of Total	Return	73.1	67.7
							Btu/h	Btu/h	(%)	Ret/OA	74.9	64.9
Envelope Loads							Envelope Loads					
Skylite Solar	0	0	0	0	0	0	Skylite Solar	0	0	0.00	Fn MtrTD	0.0
Skylite Cond	0	0	0	0	0	0	Skylite Cond	0	0	0.00	Fn BldTD	0.0
Roof Cond	0	382	382	9	0	0	Roof Cond	0	-163	11.97	Fn Frict	0.0
Glass Solar	207	0	207	5	672	23	Glass Solar	0	0	0.00		
Glass/Door Cond	335	0	335	7	162	6	Glass/Door Cond	-413	-413	30.30		
Wall Cond	202	100	302	7	227	8	Wall Cond	-186	-290	21.30		
Partition/Door	0		0	0	0	0	Partition/Door	0	0	0.00		
Floor	0		0	0	0.00	0	Floor	0	0	0.00		
Adjacent Floor	0.00	0.00	0.00	0.00	0.00	0.00	Adjacent Floor	0.00	0.00	0.00		
Infiltration	0		0	0	0	0	Infiltration	0	0	0.00		
Sub Total ==>	744	482	1,226	27	1,061	37	Sub Total ==>	-599	-867	63.57		
Internal Loads							Internal Loads					
Lights	279	70	348	8	279	10	Lights	0	0	0.00		
People	500	0	500	11	250	9	People	0	0	0.00		
Misc	1,195	0	1,195	27	1,195	41	Misc	0	0	0.00		
Sub Total ==>	1,973	70	2,043	46	1,723	60	Sub Total ==>	0	0	0.00		
Ceiling Load	166	-166	0	0	103	4	Ceiling Load	-11	0	0.00		
Ventilation Load	0	0	1,301	29	0	0	Ventilation Load	0	-681	49.97		
Adj Air Trans Heat	0		0	0	0	0	Adj Air Trans Heat	0	0	0		
Dehumid. Ov Sizing			0	0			Ov/Undr Sizing	0	0	0.00		
Ov/Undr Sizing	0		0	0	0	0	Exhaust Heat	6	-0.42			
Exhaust Heat		-91	-91	-2			OA Preheat Diff.	0	0.00			
Sup. Fan Heat			0	0			RA Preheat Diff.	0	0.00			
Ret. Fan Heat		0	0	0			Additional Reheat	0	0.00			
Duct Heat Pkup		0	0	0			System Plenum Heat	179	-13.11			
Underflr Sup Ht Pkup			0	0			Underflr Sup Ht Pkup	0	0.00			
Supply Air Leakage		0	0	0			Supply Air Leakage	0	0.00			
Grand Total ==>	2,883	295	4,478	100.00	2,887	100.00	Grand Total ==>	-610	-1,363	100.00		

AIRFLOWS		
	Cooling	Heating
Diffuser	217	217
Terminal	217	217
Main Fan	217	217
Sec Fan	0	0
Nom Vent	16	16
AHU Vent	16	16
Infil	0	0
MinStop/Rh	0	0
Return	217	217
Exhaust	16	16
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	7.4	7.4
cfm/ft²	2.13	2.13
cfm/ton	581.43	
ft²/ton	273.31	
Btu/hr·ft²	43.91	-13.36
No. People	1	

COOLING COIL SELECTION											AREAS				HEATING COIL SELECTION				
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total		Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.4	4.5	3.5	217	74.9	62.3	64.2	56.0	55.2	64.2	Floor	102		Main Htg	-1.4	217	64.9	70.5	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	1		Preheat	0.0	0	0.0	0.0	
											ExFir	0							
Total	0.4	4.5									Roof	102	0	0	Humidif	0.0	0	0.0	0.0
											Wall	116	17	15	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	Total	-1.4			

By Coburn and Associates

By Coburn and Associates

117 - DORMITORY

COOLING COIL PEAK					CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES				
Peaked at Time: Mo/Hr: 8 / 16					Mo/Hr: 6 / 10				Mo/Hr: Heating Design				Cooling			Heating	
Outside Air: OADB/WB/HR: 97 / 80 / 129					OADB: 84				OADB: 30				SADB			56.0	70.6
													Ra Plenum			73.1	67.7
													Return			73.1	67.7
													Ret/OA			74.9	64.9
													Fn MtrTD			0.0	0.0
													Fn BldTD			0.0	0.0
													Fn Frict			0.0	0.0

By Coburn and Associates

COOLING COIL PEAK					CLG SPACE PEAK		HEATING COIL PEAK		
Peaked at Time:		Mo/Hr: 8 / 16			Mo/Hr: 6 / 10		Mo/Hr: Heating Design		
Outside Air:		OADB/WB/HR: 97 / 80 / 129			OADB: 84		OADB: 30		
	Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total
	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)
Envelope Loads							Envelope Loads		
Skylite Solar	0	0	0	0	0	0	0	0	0.00
Skylite Cond	0	0	0	0	0	0	0	0	0.00
Roof Cond	0	397	397	9	0	0	0	-170	12.28
Glass Solar	207	0	207	5	672	23	0	0	0.00
Glass/Door Cond	335	0	335	7	162	6	-413	-413	29.92
Wall Cond	219	107	327	7	246	8	-202	-313	22.70
Partition/Door	0		0	0	0	0	0	0	0.00
Floor	0		0	0	0.00	0	0	0	0.00
Adjacent Floor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Infiltration	0		0	0	0	0	0	0	0.00
Sub Total ==>	761	504	1,265	28	1,081	37	-615	-896	64.90
Internal Loads							Internal Loads		
Lights	289	72	362	8	289	10	0	0	0.00
People	500	0	500	11	250	9	0	0	0.00
Misc	1,195	0	1,195	26	1,195	41	0	0	0.00
Sub Total ==>	1,984	72	2,056	45	1,734	59	0	0	0.00
Ceiling Load	172	-172	0	0	107	4	-11	0	0.00
Ventilation Load	0	0	1,301	29	0	0	0	-681	49.34
Adj Air Trans Heat	0		0	0	0	0	0	0	0
Dehumid. Ov Sizing			0	0			0	0	0.00
Ov/Undr Sizing	0		0	0	0	0	0	6	-0.42
Exhaust Heat		-91	-91	-2			0	0	0.00
Sup. Fan Heat			0	0			0	0	0.00
Ret. Fan Heat		0	0	0			0	0	0.00
Duct Heat PkUp		0	0	0			0	191	-13.82
Underflr Sup Ht PkUp			0	0			0	0	0.00
Supply Air Leakage		0	0	0			0	0	0.00
Grand Total ==>	2,917	313	4,532	100.00	2,921	100.00	-626	-1,381	100.00

TEMPERATURES		
	Cooling	Heating
SADB	56.0	70.6
Ra Plenum	73.1	67.7
Return	73.1	67.7
Ret/OA	74.9	64.9
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS		
	Cooling	Heating
Diffuser	220	220
Terminal	220	220
Main Fan	220	220
Sec Fan	0	0
Nom Vent	16	16
AHU Vent	16	16
Infil	0	0
MinStop/Rh	0	0
Return	220	220
Exhaust	16	16
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	7.3	7.3
cfm/ft²	2.07	2.07
cfm/ton	581.45	
ft²/ton	280.69	
Btu/hr·ft²	42.75	-13.02
No. People	1	

COOLING COIL SELECTION										AREAS				HEATING COIL SELECTION				
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total		Glass		Capacity	Coil Airflow	Ent	Lvg
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft²	(%)	MBh	cfm	°F	°F	
Main Clg	0.4	4.5	3.5	220	74.9	62.2	64.1	56.0	55.2	64.1	Floor	106		Main Htg	-1.4	220	64.9	70.6
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	1		Preheat	0.0	0	0.0	0.0
											ExFlr	0						
Total	0.4	4.5									Roof	106	0	Humidif	0.0	0	0.0	0.0
											Wall	124	17	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	Total	-1.4			

By Coburn and Associates

COOLING COIL PEAK					CLG SPACE PEAK		HEATING COIL PEAK		
Peaked at Time:		Mo/Hr: 8 / 16			Mo/Hr: 6 / 10		Mo/Hr: Heating Design		
Outside Air:		OADB/WB/HR: 97 / 80 / 129			OADB: 84		OADB: 30		
	Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total
	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)
Envelope Loads							Envelope Loads		
Skylite Solar	0	0	0	0	0	0	0	0	0.00
Skylite Cond	0	0	0	0	0	0	0	0	0.00
Roof Cond	0	382	382	9	0	0	0	-163	11.94
Glass Solar	207	0	207	5	672	23	0	0	0.00
Glass/Door Cond	335	0	335	7	162	6	-413	-413	30.24
Wall Cond	205	101	306	7	230	8	-189	-294	21.54
Partition/Door	0		0	0	0	0	0	0	0.00
Floor	0		0	0	0.00	0	0	0	0.00
Adjacent Floor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Infiltration	0		0	0	0	0	0	0	0.00
Sub Total ==>	747	483	1,230	27	1,064	37	-602	-870	63.72
Internal Loads							Internal Loads		
Lights	279	70	348	8	279	10	0	0	0.00
People	500	0	500	11	250	9	0	0	0.00
Misc	1,195	0	1,195	27	1,195	41	0	0	0.00
Sub Total ==>	1,973	70	2,043	46	1,723	60	0	0	0.00
Ceiling Load	166	-166	0	0	103	4	-11	0	0.00
Ventilation Load	0	0	1,301	29	0	0	0	-681	49.87
Adj Air Trans Heat	0		0	0	0	0	0	0	0
Dehumid. Ov Sizing			0	0			0	0	0.00
Ov/Undr Sizing	0		0	0	0	0	0	6	-0.42
Exhaust Heat		-91	-91	-2			0	0	0.00
Sup. Fan Heat			0	0			0	0	0.00
Ret. Fan Heat		0	0	0			0	0	0.00
Duct Heat PkUp		0	0	0			180	-13.16	
Underflr Sup Ht PkUp			0	0			0	0	0.00
Supply Air Leakage		0	0	0			0	0	0.00
Grand Total ==>	2,885	296	4,482	100.00	2,890	100.00	-612	-1,366	100.00

TEMPERATURES		
	Cooling	Heating
SADB	56.0	70.5
Ra Plenum	73.1	67.7
Return	73.1	67.7
Ret/OA	74.9	64.9
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS		
	Cooling	Heating
Diffuser	217	217
Terminal	217	217
Main Fan	217	217
Sec Fan	0	0
Nom Vent	16	16
AHU Vent	16	16
Infil	0	0
MinStop/Rh	0	0
Return	217	217
Exhaust	16	16
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	7.4	7.4
cfm/ft²	2.13	2.13
cfm/ton	581.56	
ft²/ton	273.07	
Btu/hr·ft²	43.95	-13.39
No. People	1	

COOLING COIL SELECTION											AREAS				HEATING COIL SELECTION				
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.4	4.5	3.5	217	74.9	62.3	64.2	56.0	55.2	64.2	Floor	102		Main Htg	-1.4	217	64.9	70.5	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	1		Preheat	0.0	0	0.0	0.0	
											ExFir	0							
Total	0.4	4.5									Roof	102	0	0	Humidif	0.0	0	0.0	0.0
											Wall	117	17	15	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	Total	-1.4			

Zone Checksums

By Coburn and Associates

120 - DORMITORY

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES				
Peaked at Time: Mo/Hr: 8 / 17					Mo/Hr: 6 / 18			Mo/Hr: Heating Design				Cooling			Heating	
Outside Air: OADB/WB/HR: 96 / 79 / 126					OADB: 91			OADB: 30				SADB			56.0	71.5
												Ra Plenum			73.2	67.7
												Return			73.2	67.7
												Ret/OA			74.8	65.1
												Fn MtrTD			0.0	0.0
												Fn BldTD			0.0	0.0
												Fn Frict			0.0	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	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft² (%)	MBh	MBh	cfm	°F	°F				
Main Clg	0.4	5.1	4.2	238	74.8	62.2	64.0	56.0	54.8	62.8	Floor	102	-1.7	238	65.1	71.5	Main Htg	-1.7
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0	Aux Htg	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	1	0.0	0	0.0	0.0	Preheat	0.0
											ExFlr	0						
Total	0.4	5.1									Roof	102	0	0	0.0	0.0	Humidif	0.0
											Wall	264	17	7	0.0	0.0	Opt Vent	0.0
											Ext Door	0	0	0	-1.7		Total	-1.7

Zone Checksums

By Coburn and Associates

121 - HALL

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time: Mo/Hr: 8 / 16					Mo/Hr: 8 / 16					Mo/Hr: Heating Design					Cooling Heating		
Outside Air: OADB/WB/HR: 97 / 80 / 129					OADB: 97					OADB: 30					SADB	56.0	86.1
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total		Space Sensible	Percent Of Total				Space Peak	Coil Peak	Percent			Ra Plenum	73.1	67.7
Btu/h	Btu/h	Btu/h	(%)		Btu/h	(%)				Space Sens	Tot Sens	Of Total			Return	73.1	67.7
Btu/h	Btu/h	Btu/h	(%)		Btu/h	(%)				Btu/h	Btu/h	(%)			Ret/OA	76.5	62.4
Envelope Loads					Envelope Loads										Fn MtrTD	0.0	0.0
Skylite Solar	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0.00	Fn BldTD	0.0	0.0
Skylite Cond	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0.00	Fn Frict	0.0	0.0
Roof Cond	0	1,351	1,351	19	0	0	0	0	0	0	-577	13.95	0	0.00			
Glass Solar	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0.00			
Glass/Door Cond	123	0	123	2	123	4	2	123	4	-192	-192	4.63	0	0.00			
Wall Cond	148	109	258	4	148	5	4	148	5	-107	-184	4.43	0	0.00			
Partition/Door	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0.00			
Floor	0	0	0	0	0.00	0	0	0.00	0	0	0	0.00	0	0.00			
Adjacent Floor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Infiltration	3,053		3,053	42	1,407	50	42	1,407	50	-2,240	-2,240	54.11	0	0.00			
Sub Total ==>	3,324	1,460	4,784	66	1,679	60	60	1,679	60	-2,538	-3,192	77.12	0	0.00			
Internal Loads					Internal Loads												
Lights	986	246	1,232	17	986	35	17	986	35	0	0	0.00	0	0.00			
People	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0.00			
Misc	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0.00			
Sub Total ==>	986	246	1,232	17	986	35	17	986	35	0	0	0.00	0	0.00			
Ceiling Load	129	-129	0	0	129	5	0	129	5	-266	0	0.00	0	0.00			
Ventilation Load	0	0	1,343	18	0	0	0	0	0	0	-985	23.81	0	0.00			
Adj Air Trans Heat	0		0	0	0	0	0	0	0	0	0	0	0	0.00			
Dehumid. Ov Sizing			0	0			0			0	0	0.00	0	0.00			
Ov/Undr Sizing	0		0	0	0	0	0	0	0	0	186	-4.48	0	0.00			
Exhaust Heat		-90	-90	-1			0				0	0.00	0	0.00			
Sup. Fan Heat			0	0			0				0	0.00	0	0.00			
Ret. Fan Heat		0	0	0			0				0	0.00	0	0.00			
Duct Heat Pkup		0	0	0			0				-147	3.56	0	0.00			
Underflr Sup Ht Pkup			0	0			0				0	0.00	0	0.00			
Supply Air Leakage		0	0	0			0				0	0.00	0	0.00			
Grand Total ==>	4,439	1,488	7,270	100.00	2,793	100.00	100.00	2,793	100.00	-2,804	-4,139	100.00	0	0.00			

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	cfm	°F	°F	°F	°F	°F	°F	ft²	(%)				MBh	cfm	°F	°F	
Main Clg	0.6	7.3	4.9	157	76.5	67.7	88.3	56.0	52.9	55.2	Floor	361		Main Htg	-4.1	157	62.4	86.1
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	1		Preheat	0.0	0	0.0	0.0
											ExFlr	0						
Total	0.6	7.3									Roof	361	0	Humidif	0.0	0	0.0	0.0
											Wall	61	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	24	0	Total	-4.1			