

Location	2328 Medico Lane, Melbourne, FL 32940
Building owner	
Program user	
Company	RLF
Comments	

By	RLF
Dataset name	H:\21184\ME\CALCULATIONS\LOAD CALCULATIONS\TRACE\21184.TRC

Calculation time	05:19 PM on 04/11/2022
TRACE® 700 version	6.3.4

Location	Melbourne, Florida
Latitude	28.0 deg
Longitude	80.0 deg
Time Zone	5
Elevation	16 ft
Barometric pressure	29.9 in. Hg
Air density	0.0760 lb/cu ft
Air specific heat	0.2444 Btu/lb·°F
Density-specific heat product	1.1147 Btu/h·cfm·°F
Latent heat factor	4,906.9 Btu·min/h·cu ft
Enthalpy factor	4.5604 lb·min/hr·cu ft
Summer design dry bulb	88.0 °F
Summer design wet bulb	78.0 °F
Winter design dry bulb	38.0 °F
Summer clearness number	0.95
Winter clearness number	0.95
Summer ground reflectance	0.20
Winter ground reflectance	0.20
Carbon Dioxide Level	400 ppm
Design simulation period	January - December
Cooling load methodology	TETD-TA1
Heating load methodology	UATD

# ENTERED VALUES

## ROOM BY ROOM

By RLF

### Room Description: 117 BREAK ROOM

### Zone Description: Zone - 1-1-1

### System Description: AHU

GENERAL INFORMATION				PEOPLE		AIRFLOW INFORMATION			
Floor Area: 185 ft²	Fir-Fir Height: 12.0 ft			People Type: General Office Space		<u>Cooling</u>		<u>Heating</u>	
Plenum Height: 3.0 ft	Height Above Fir:			# of People: 8 People		Vent Type: None		None	
Slab Cnstr Type: 4" LW Concrete				People Sensible: 250 Btu/h		Vent Value: 0.00 cfm		0.00 cfm	
Room Mass: Time delay based on actual mass				People Latent : 200 Btu/h		Vent Schedule: Available (100%)			
Ceiling R-Value: 1.786 hr-ft²·°F/Btu				People Schedule: Cooling Only (Design)		Infil Type: Neutral, Average Const.		Neutral, Average Const.	
Is There Carpet?: YES						Infil Value: 0.60 air changes/hr		0.60 air changes/hr	
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F				Workstation: 0.0 workstation/person		Infil Schedule: Available (100%)			
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F						Vav Airflow:			
Design Relative Humidity: 50 %				<u>LIGHTS</u>		Vav Sched: Available (100%)			
Moisture Capacitance: Medium				Lighting Type: Recessed fluorescent, not vented, 80% load		Supply: To be calculated		To be calculated	
Clg Tstat: None				to space		Aux Supply: To be calculated		To be calculated	
Htg Tstat: None				Fixture Type: RECFL-NV		Room Exhaust:			
Thermostat Location:Room	Floor Multiplier: 1			% Load to RA: 20 %		Rm Exh Sched: Available (100%)			
Humidistat Location:Room	Room Multiplier: 1			Lighting Schedule: Cooling Only (Design)					
CO2 Sensor Location:None				Lighting Amount: 0.800 W/sq ft					
Room Type:Conditioned				Ballast Factor: 1.0					

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass			External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
							Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F						
Roof - 1	200 ft²	0	67	R-30 Roof	0.0314	0.90		0			Overhang - None	None				
NORTH	250 ft²	0	0	ASHRAE 90.1 MASS	0.1374	0.90										
Opening - 1				Window			90.1-2013 Window	33	0.29	0.57	Overhang -	None	0.00			
Opening - 2				Door			90.1-13 Min Swinging	21	0.00	0.70	Overhang - None	None	0.00			
Misc Load 1	1.00 W/sq ft			Cooling Only (Design)			None							100	100	0 60.00
Floor - 1																21 0.50

# SYSTEM ENTERED VALUES

By RLF

## AHU - Variable Volume Reheat (30% Min Flow Default)

Design Air Conditions	Max	Min
Cooling supply:		Supply duct temperature diff: 0.0 °F
Leaving cooling coil:		Reheat Temperature diff: 0.0 °F
Heating supply:		Design humidity ratio diff:
		Min room relative humidity:

### Advanced Options

Cooling coil sizing method: Block	Supply fan motor location: Supply	Night purge schedule: Off (0%)
Cooling coil location: System	Return fan motor location: Return	Optimum start schedule: Off (0%)
Block cooling airflow:	Supply fan configuration: Draw Thru	Optimum stop schedule: Off (0%)
Ventilation deck location: Return/Outdoor Deck	Supply fan sizing: Block	
Supply duct location: Return Air	Fan mechanical efficiency : 75%	CO2-based DCV: None
Return air path: PLENUM	Apply Std62 People Avg: No	System ventilation flag: Sum Room OA Reqs
	Std62 Max Vent (Z) Ratio:	
Reset per worst case room schedule: Off (0%)		Supply air path / duct location: Return Air
Max reset:		Space convective gains to occupied layer: 100 %
Use system default outside air reset: Yes		Underfloor plenum height:
		Conductive resistance of raised floor: 0.8 hr·ft²·°F/Btu
		Upstream nominal leakage fraction: 0 %
		Downstream constant leakage fraction: 0 %
		Aux cooling coil losses to plenum: 0 %
Auxiliary cooling coil	Control Method	Control Type
Auxiliary heating coil	Activate After Primary System	None
Auxiliary fan	No Fan	None

Coils	Capacity	Schedule	Diversity
Main cooling:	100.0 % of Design Capacity by adjusting a	Available (100%)	People 100%
Aux cooling:		Available (100%)	Lights 100%
Main heating:	100.0 % of Design Capacity	Available (100%)	Misc loads 100%
Aux heating:		Available (100%)	
Preheat:	100.0% of Design Capacity	Available (100%)	
Reheat:	100.0 % of Design Capacity	Available (100%)	
Humidification:	100.0 % of Design Capacity	Available (100%)	

Fans	Type	Static Press.	90.1 SP Adj	Full Load Energy Rate	Schedule	Efficiency	Priority
Primary	None	0.0 in. wg	0.0 in. wg	0.00000 kW	Available (100%)	90	
Secondary	None	0.0 in. wg	NA	0.00000 kW	Available (100%)	85	
Return	None	0.0 in. wg	0.0 in. wg	0.00000 kW	Available (100%)	90	
System Exhaust	None	0.0 in. wg	0.0 in. wg	0.00000 kW	Available (100%)	90	
Room Exhaust	None	0.0 in. wg	0.0 in. wg	0.00000 kW	Available (100%)	85	
Optional ventilation	None	0.0 in. wg	NA	0.00000 kW	Available (100%)	90	
Auxiliary	None	0.0 in. wg	NA	0.00000 kW	Available (100%)	85	
Fan Cycling					Cycle with occupancy 0.0 ft		

# Entered Values

TRACE® 700 version 6.3.4

By RLF

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**Project Name:** HealthFirst Medico  
**Dataset Name:** H:\21184\ME\CALCULATIONS\LOAD CALCULATIONS\TRACE\21184.TRC  
**Location:** 2328 Medico Lane, Melbourne, FL 32940  
**Building Owner:**  
**Program User:**  
**Company:** RLF  
**Comments:**

Cooling Design Period:	January thru December	Location:	Melbourne, Florida
Peak Hour Override:	0	Summer Design Dry Bulb:	88.00 °F
Daylight Savings Period:		Summer Design Wet Bulb:	78.00 °F
Summer Period:		Winter Design Dry Bulb:	38.00 °F
Cooling Methodology:	TETD-TA1	Summer Clearness Number:	0.95
Heating Methodology:	UATD	Winter Clearness Number:	0.95
Infiltration Methodology:	Vary with wind speed	Summer Ground Reflectance:	0.20
Outside Film Methodology:	Vary with wind speed	Winter Ground Reflectance:	0.20
Terrain Methodology:	Center of a large city	Carbon Dioxide Level:	400 ppm
Room Circ Rate:	Medium	Force VAV Min => Nominal Ventilation at Design:	No
Wall Load To Plenum:	YES	Allow Energy Recovery/Transfer at Design:	No
Building Orientation:	0 degrees from north	Retest Design Peaks:	Yes
Simulation Hours:	Reduced year	Calculate Building Block Loads:	No
Calendar Code:	Standard (1978)		
Energy Simulation Period:	January thru December	Close ventilation dampers during unoccupied hours:	Yes

# System Checksums

By RLF

AHU

Variable Volume Reheat (30% Min Flow Default)

COOLING COIL PEAK					CLG SPACE PEAK		HEATING COIL PEAK					TEMPERATURES				
Peaked at Time:		Mo/Hr: 8 / 16			Mo/Hr: 9 / 16		Mo/Hr: Heating Design					Cooling			Heating	
Outside Air:		OADB/WB/HR: 87 / 78 / 130			OADB: 86		OADB: 38					SADB			51.6	100.3
												Ra Plenum			78.7	67.6
												Return			78.7	67.6
												Ret/OA			78.7	67.6
												Fn MtrTD			0.0	0.0
												Fn BldTD			0.0	0.0
												Fn Frict			0.0	0.0
Envelope Loads					Envelope Loads								AIRFLOWS			
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent								
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	(%)								
Skylite Solar					Skylite Solar					Cooling			Heating			
0	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	3,158	1,050		
0	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	3,158	1,050		
0	11,566	11,566	9	0	0	0	-4,631	8.12	0	0	0.00	Main Fan	3,158	1,050		
7,738	0	7,738	6	8,755	11	0	0	0.00	0	0	0.00	Sec Fan	0	0		
2,962	0	2,962	2	2,595	3	-7,438	-7,438	13.03	0	0	0.00	Nom Vent	0	0		
14,730	5,924	20,654	17	16,248	20	-6,491	-9,035	15.83	0	0	0.00	AHU Vent	0	0		
0	0	0	0	0	0	0	0	0.00	0	0	0.00	Infil	402	402		
0	0	0	0	0.00	0	-3,889	-3,889	6.81	0	0	0.00	MinStop/Rh	1,050	1,050		
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0.00	Return	3,560	1,452		
23,536		23,536	19	4,704	6	-14,337	-14,337	25.12	0	0	0.00	Exhaust	402	402		
Sub Total ==>	48,966	66,456	53	32,303	39	Sub Total ==>	-32,155	68.92	0	0	0.00	Rm Exh	0	0		
Internal Loads					Internal Loads								Auxiliary			
Lights	9,665	12,081	10	9,665	12	Lights	0	0.00	-3,346	0	0.00	Leakage Dwn	0	0		
People	27,900	27,900	22	15,500	19	People	0	0.00	0	0	0.00	Leakage Ups	0	0		
Misc	20,000	20,000	16	20,000	24	Misc	0	0.00	0	0	0					
Sub Total ==>	57,565	59,981	48	45,165	55	Sub Total ==>	0	0.00	0	0	0.00					
Ceiling Load	5,267	0	0	4,978	6	Ceiling Load	-3,346	0.00				ENGINEERING CKS				
Ventilation Load	0	0	0	0	0	Ventilation Load	0	0.00				Cooling			Heating	
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0				% OA			0.0	0.0
Dehumid. Ov Sizing		0	0			Ov/Undr Sizing	0	0.00				cfm/ft²			0.71	0.24
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat		-1.86				cfm/ton			303.74	
Exhaust Heat	-1,668	-1,668	-1			OA Preheat Diff.		0.00				ft²/ton			429.50	
Sup. Fan Heat		0	0			RA Preheat Diff.		0.00				Btu/hr-ft²			27.94	-12.78
Ret. Fan Heat	0	0	0			Additional Reheat		32.94				No. People			62	
Duct Heat Pkup	0	0	0													
Underflr Sup Ht Pkup		0	0			Underflr Sup Ht Pkup		0.00								
Supply Air Leakage	0	0	0			Supply Air Leakage		0.00								
Grand Total ==>	111,798	124,770	100.00	82,446	100.00	Grand Total ==>	-35,501	100.00								

	Cooling	Heating
SADB	51.6	100.3
Ra Plenum	78.7	67.6
Return	78.7	67.6
Ret/OA	78.7	67.6
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS		
	Cooling	Heating
Diffuser	3,158	1,050
Terminal	3,158	1,050
Main Fan	3,158	1,050
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	402	402
MinStop/Rh	1,050	1,050
Return	3,560	1,452
Exhaust	402	402
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	0.71	0.24
cfm/ton	303.74	
ft²/ton	429.50	
Btu/hr-ft²	27.94	-12.78
No. People	62	

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	10.4	124.8	94.2	3,112	78.7	63.9	65.0	51.6	50.0	51.1	Floor	4,466			Main Htg	-57.1	1,050	51.6	100.3
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	0			Preheat	0.0	0	0.0	0.0
											ExFlr	243			Reheat	-21.6	1,050	51.6	70.0
											Roof	4,977	0	0	Humidif	0.0	0	0.0	0.0
											Wall	2,414	313	13	Opt Vent	0.0	0	0.0	0.0
											Ext Door	84	0	0	Total	-57.1			
Total	10.4	124.8																	

# Room Checksums

By RLF

## 100 LOBBY

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES		
Peaked at Time: Mo/Hr: 10 / 14					Mo/Hr: 11 / 14			Mo/Hr: Heating Design					
Outside Air: OADB/WB/HR: 82 / 72 / 102					OADB: 75			OADB: 38					
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	(%)			
<b>Envelope Loads</b>					<b>Envelope Loads</b>								
Skylite Solar	0	0	0	0	0	0	0	0	0	0.00	SADB	51.6	94.5
Skylite Cond	0	0	0	0	0	0	0	0	0	0.00	Ra Plenum	78.6	67.6
Roof Cond	0	1,209	1,209	6	0	0	0	0	-423	5.50	Return	78.6	67.6
Glass Solar	1,405	0	1,405	7	1,830	13	0	0	0	0.00	Ret/OA	78.6	67.6
Glass/Door Cond	121	0	121	1	-10	0	0	-590	-590	7.66	Fn MtrTD	0.0	0.0
Wall Cond	6,589	2,352	8,940	45	7,147	51	0	-1,479	-1,980	25.74	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	-657	-657	8.53			
Adjacent Floor	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00			
Infiltration	1,262	0	1,262	6	-4	0	0	-1,348	-1,348	17.52			
Sub Total ==>	9,377	3,561	12,937	65	8,963	64	0	-4,074	-4,998	64.96			
<b>Internal Loads</b>					<b>Internal Loads</b>								
Lights	917	229	1,147	6	917	7	0	0	0	0.00	<b>AIRFLOWS</b>		
People	5,400	0	5,400	27	3,000	21	0	0	0	0.00		Cooling	Heating
Misc	717	0	717	4	717	5	0	0	0	0.00	Diffuser	537	161
Sub Total ==>	7,034	229	7,263	36	4,634	33	0	0	0	0.00	Terminal	537	161
											Main Fan	537	161
<b>Ceiling Load</b>	472	-472	0	0	415	3	<b>Ceiling Load</b>	-315	0	0.00	Sec Fan	0	0
<b>Ventilation Load</b>	0	0	0	0	0	0	<b>Ventilation Load</b>	0	0	0.00	Nom Vent	0	0
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	<b>Adj Air Trans Heat</b>	0	0	0	AHU Vent	0	0
<b>Dehumid. Ov Sizing</b>	0	0	0	0	0	0	<b>Ov/Undr Sizing</b>	0	0	0.00	Infil	38	38
<b>Ov/Undr Sizing</b>	0	0	0	0	0	0	<b>Exhaust Heat</b>	0	100	-1.30	MinStop/Rh	161	161
<b>Exhaust Heat</b>	-149	-149	-1	0	0	0	<b>OA Preheat Diff.</b>	0	0	0.00	Return	575	199
<b>Sup. Fan Heat</b>	0	0	0	0	0	0	<b>RA Preheat Diff.</b>	0	0	0.00	Exhaust	38	38
<b>Ret. Fan Heat</b>	0	0	0	0	0	0	<b>Additional Reheat</b>	-2,882	37.45		Rm Exh	0	0
<b>Duct Heat Pkup</b>	0	0	0	0	0	0	<b>System Plenum Heat</b>	86	-1.12		Auxiliary	0	0
<b>Underflr Sup Ht Pkup</b>	0	0	0	0	0	0	<b>Underflr Sup Ht Pkup</b>	0	0	0.00	Leakage Dwn	0	0
<b>Supply Air Leakage</b>	0	0	0	0	0	0	<b>Supply Air Leakage</b>	0	0	0.00	Leakage Ups	0	0
Grand Total ==>	16,883	3,168	20,051	100.00	14,012	100.00	Grand Total ==>	-4,388	-7,694	100.00	<b>ENGINEERING CKS</b>		

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	1.7	20.1	16.7	517	78.6	63.8	65.0	51.6	50.4	52.6	Floor	420		Main Htg	-7.7	161	51.6	94.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	41		Reheat	-3.3	161	51.6	70.0
Total	1.7	20.1									Roof	455	0	Humidif	0.0	0	0.0	0.0
											Wall	492	33	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	Total	-7.7			

# Zone Checksums

By RLF

## Zone - 1-1-1

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES				
Peaked at Time: Mo/Hr: 7 / 17					Mo/Hr: 7 / 18			Mo/Hr: Heating Design				Cooling			Heating	
Outside Air: OADB/WB/HR: 87 / 78 / 132					OADB: 85			OADB: 38				SADB			51.6	112.1
Space		Plenum		Net	Percent	Space		Coil Peak		Percent	Ra Plenum			78.5	67.6	
Sens. + Lat.		Sens. + Lat		Total	Of Total	Sensible		Space Sens		Of Total	Return			78.5	67.6	
Btu/h		Btu/h		Btu/h	(%)	Btu/h		Btu/h		(%)	Ret/OA			78.5	67.6	
Envelope Loads					Envelope Loads					Fn MtrTD			0.0	0.0		
Skylite Solar	0	0	0	0	0	0	0	0	0	0.00	Fn BldTD			0.0	0.0	
Skylite Cond	0	0	0	0	0	0	0	0	0	0.00	Fn Frict			0.0	0.0	
Roof Cond	0	703	703	6	0	0	0	0	-305	5.67						
Glass Solar	341	0	341	3	373	5	373	0	0	0.00						
Glass/Door Cond	411	0	411	4	364	5	364	-1,049	-1,049	19.49						
Wall Cond	2,445	911	3,356	31	2,617	38	2,617	-1,204	-1,649	30.65						
Partition/Door	0		0	0	0	0	0	0	0	0.00						
Floor	0		0	0	0.00	0	0.00	-583	-583	10.83						
Adjacent Floor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
Infiltration	1,238		1,238	11	232	3	232	-735	-735	13.67						
Sub Total ==>	4,434	1,614	6,049	56	3,586	52	3,586	-3,570	-4,320	80.32						
Internal Loads					Internal Loads								AIRFLOWS			
Lights	500	125	625	6	500	7	500	0	0	0.00	Cooling			Heating		
People	3,600	0	3,600	33	2,000	29	2,000	0	0	0.00	Diffuser			266	80	
Misc	631	0	631	6	631	9	631	0	0	0.00	Terminal			266	80	
Sub Total ==>	4,732	125	4,857	45	3,132	45	3,132	0	0	0.00	Main Fan			266	80	
Ceiling Load	252	-252	0	0	221	3	221	-172	0	0.00	Sec Fan			0	0	
Ventilation Load	0	0	0	0	0	0	0	0	0	0.00	Nom Vent			0	0	
Adj Air Trans Heat	0		0	0	0	0	0	0	0	0	AHU Vent			0	0	
Dehumid. Ov Sizing			0	0				0	0	0.00	Infil			21	21	
Ov/Undr Sizing	0		0	0	0	0	0				MinStop/Rh			80	80	
Exhaust Heat		-80	-80	-1				54	-1.01		Return			286	100	
Sup. Fan Heat			0	0				0	0.00		Exhaust			21	21	
Ret. Fan Heat		0	0	0							Rm Exh			0	0	
Duct Heat Pkup		0	0	0							Auxiliary			0	0	
Underflr Sup Ht Pkup			0	0							Leakage Dwn			0	0	
Supply Air Leakage		0	0	0							Leakage Ups			0	0	
Grand Total ==>	9,418	1,407	10,825	100.00	6,938	100.00	6,938	-3,742	-5,379	100.00				ENGINEERING CKS		
											% OA			Cooling	Heating	
											cfm/ft²			1.16	0.35	
											cfm/ton			294.60		
											ft²/ton			253.85		
											Btu/hr-ft²			47.27	-23.49	
											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	cfm	°F	°F	°F	°F	gr/lb	°F	°F		ft²	(%)		MBh	cfm	°F	°F	
Main Clg	0.9	10.8	8.3	262	78.5	63.8	65.0	51.6	49.4	49.0	Floor	229		Main Htg	-5.4	80	51.6	112.1
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	36		Reheat	-1.6	80	51.6	70.0
Total	0.9	10.8									Roof	328	0	Humidif	0.0	0	0.0	0.0
											Wall	416	33	Opt Vent	0.0	0	0.0	0.0
											Ext Door	21	0	Total	-5.4			

# Load / Airflow Summary

By RLF

System	Zone	Room **	Floor Area ft²	People #	Coil	Coil	Space	Air Changes ach/hr	VAV	VAV Minimum %	Main Coil	Heating	Percent		
					Cooling Sensible Btu/h	Cooling Total Btu/h	Design Max SA cfm		Minimum SA cfm		Heating Sensible Btu/h	Fan Max SA cfm	OA		
Alternative 1															
		117 BREAK ROOM	Rm Peak	185	8.0	5,549	7,934	192	6.90	57	30	-3,881	0	0.0	0.0
		118 S TLT	Rm Peak	44	0.0	2,730	2,903	74	11.24	22	30	-1,498	0	0.0	0.0
	Zone - 1-1-1		Zn Peak	229	8.0	8,279	10,837	266			30	-5,379	0	0.0	0.0
	Zone - 1-1-1		Zn Block	229	8.0	8,254	10,825	266			30	-5,379	0	0.0	0.0
		119 CONF/CONSULT	Rm Peak	102	4.0	4,546	5,769	149	9.72	45	30	-2,042	0	0.0	0.0
		120 PROVIDER OFF	Rm Peak	113	2.0	4,184	5,054	132	7.77	40	30	-1,983	0	0.0	0.0
	Zone - 1-1-2		Zn Peak	215	6.0	8,730	10,823	280			30	-4,026	0	0.0	0.0
	Zone - 1-1-2		Zn Block	215	6.0	8,730	10,823	280			30	-4,026	0	0.0	0.0
		111 TEAM STATION	Rm Peak	150	4.0	2,427	3,870	85	3.79	26	30	-1,119	0	0.0	0.0
		125 TEAM STATION	Rm Peak	198	6.0	3,434	5,482	119	4.02	36	30	-1,519	0	0.0	0.0
		126 B TLT	Rm Peak	198	0.0	1,029	1,878	36	1.21	11	30	-1,006	0	0.0	0.0
		129 CORR CENTRAL	Rm Peak	125	0.0	760	1,294	23	1.21	7	30	-867	0	0.0	0.0
		130 CORR	Rm Peak	99	0.0	604	1,028	18	1.21	5	30	-503	0	0.0	0.0
		131 CORR	Rm Peak	224	0.0	1,366	2,326	41	1.21	12	30	-1,138	0	0.0	0.0
		132 CORR NORTH	Rm Peak	113	0.0	741	1,227	21	1.21	6	30	-664	0	0.0	0.0
	Zone - 1-1-3		Zn Peak	1,107	10.0	10,360	17,105	342			30	-6,815	0	0.0	0.0
	Zone - 1-1-3		Zn Block	1,107	10.0	10,360	17,105	342			30	-6,815	0	0.0	0.0
		121 EXAM ROOM 10	Rm Peak	116	2.0	5,897	6,779	192	11.03	58	30	-2,709	0	0.0	0.0
		122 EXAM ROOM 9	Rm Peak	116	2.0	5,649	6,531	185	10.62	55	30	-2,610	0	0.0	0.0
		123 EXAM ROOM 8	Rm Peak	116	2.0	4,882	5,764	156	8.94	47	30	-2,205	0	0.0	0.0
		124 MECH	Rm Peak	41	0.0	3,005	3,014	88	14.31	26	30	-1,426	0	0.0	0.0
	Zone - 1-1-4		Zn Peak	389	6.0	19,433	22,088	620			30	-8,950	0	0.0	0.0
	Zone - 1-1-4		Zn Block	389	6.0	17,964	20,643	575			32	-8,950	0	0.0	0.0
		100 LOBBY	Rm Peak	420	12.0	16,667	20,051	537	8.52	161	30	-7,694	0	0.0	0.0
		101 W TLT	Rm Peak	47	0.0	308	497	9	1.21	3	30	-239	0	0.0	0.0
		102 M TLT	Rm Peak	47	0.0	308	497	9	1.21	3	30	-239	0	0.0	0.0
	Zone - 1-2-1		Zn Peak	514	12.0	17,422	21,185	554			30	-8,172	0	0.0	0.0
	Zone - 1-2-1		Zn Block	514	12.0	17,364	20,968	548			30	-8,172	0	0.0	0.0
		113 ELEC	Rm Peak	55	0.0	1,095	1,316	35	4.28	11	30	-736	0	0.0	0.0
		114 EVS	Rm Peak	57	0.0	1,154	1,396	38	4.42	11	30	-1,269	0	0.0	0.0
		115 SOIL	Rm Peak	56	0.0	668	893	19	2.30	6	30	-595	0	0.0	0.0
		116 MANAGER OFF	Rm Peak	102	2.0	2,123	2,955	71	4.63	21	30	-1,822	0	0.0	0.0
	Zone - 1-2-2		Zn Peak	270	2.0	5,039	6,560	163			30	-4,423	0	0.0	0.0
	Zone - 1-2-2		Zn Block	270	2.0	4,972	6,518	163			30	-4,423	0	0.0	0.0
		109 PROVIDER OFF	Rm Peak	117	2.0	2,826	3,722	96	5.46	29	30	-2,212	0	0.0	0.0

\* This report does not display heating only systems.



# PEAK COOLING LOADS

## MAIN SYSTEM

By RLF

			SPACE								COIL								
			Floor Area ft²	Peak Time Mo/Hr	OA Condition		Room Dry Bulb °F	Supply Dry Bulb °F	Space Air Flow cfm	Space Sensible Load Btu/h	Space Latent Load Btu/h	Peak Time Mo/Hr	OA Condition		Supply Dry Bulb °F	Coil Airflow cfm	Coil Sensible Load Btu/h	Coil Latent Load Btu/h	
					DB	WB							DB	WB					
System	Zone	Room			°F	°F	°F	°F					°F	°F					
Alternative 1																			
		117 BREAK ROOM	Peak	185	7/18	85	77	75.0	51.6	192	5,001	2,328	7/17	87	78	51.6	191	5,549	2,385
		118 S TLT	Peak	44	7/18	85	77	75.0	51.6	74	1,937	173	7/18	85	77	51.6	74	2,730	173
		Zone - 1-1-1	Peak	229		85	77	75.0	51.6	266	6,938	2,501		87	78	51.6	265	8,279	2,558
		Zone - 1-1-1	Block	229	7/18	85	77	75.0	51.6	266	6,938	2,501	7/17	87	78	51.6	262	8,254	2,572
		119 CONF/CONSULT	Peak	102	8/17	86	78	75.0	51.6	149	3,883	1,224	8/17	86	78	51.6	149	4,546	1,224
		120 PROVIDER OFF	Peak	113	8/17	86	78	75.0	51.6	132	3,438	869	8/17	86	78	51.6	132	4,184	869
		Zone - 1-1-2	Peak	215		86	78	75.0	51.6	280	7,321	2,093		86	78	51.6	280	8,730	2,093
		Zone - 1-1-2	Block	215	8/17	86	78	75.0	51.6	280	7,321	2,093	8/17	86	78	51.6	280	8,730	2,093
		111 TEAM STATION	Peak	150	7/15	88	78	75.0	51.6	85	2,224	1,403	7/16	88	78	51.6	85	2,427	1,443
		125 TEAM STATION	Peak	198	7/15	88	78	75.0	51.6	119	3,115	1,996	7/16	88	78	51.6	119	3,434	2,049
		126 B TLT	Peak	198	7/15	88	78	75.0	51.6	36	939	796	7/16	88	78	51.6	35	1,029	849
		129 CORR CENTRAL	Peak	125	7/15	88	78	75.0	51.6	23	591	501	7/16	88	78	51.6	22	760	534
		130 CORR	Peak	99	7/15	88	78	75.0	51.6	18	470	398	7/16	88	78	51.6	18	604	424
		131 CORR	Peak	224	7/15	88	78	75.0	51.6	41	1,063	901	7/16	88	78	51.6	40	1,366	960
		132 CORR NORTH	Peak	113	7/15	88	78	75.0	51.6	21	538	456	7/16	88	78	51.6	20	741	486
		Zone - 1-1-3	Peak	1,107		88	78	75.0	51.6	342	8,939	6,452		88	78	51.6	338	10,360	6,745
		Zone - 1-1-3	Block	1,107	7/15	88	78	75.0	51.6	342	8,939	6,452	7/16	88	78	51.6	338	10,360	6,745
		121 EXAM ROOM 10	Peak	116	8/17	86	78	75.0	51.6	192	5,011	882	8/17	86	78	51.6	192	5,897	882
		122 EXAM ROOM 9	Peak	116	8/17	86	78	75.0	51.6	185	4,825	882	8/17	86	78	51.6	185	5,649	882
		123 EXAM ROOM 8	Peak	116	8/17	86	78	75.0	51.6	156	4,060	882	8/17	86	78	51.6	156	4,882	882
		124 MECH	Peak	41	12/14	69	60	75.0	51.6	88	2,298	-5	11/14	75	63	51.6	87	3,005	9
		Zone - 1-1-4	Peak	389		84	76	75.0	51.6	620	16,194	2,640		84	76	51.6	620	19,433	2,655
		Zone - 1-1-4	Block	389	9/17	84	76	75.0	51.6	575	15,002	2,679	9/17	84	76	51.6	575	17,964	2,679
		100 LOBBY	Peak	420	11/14	75	63	75.0	51.6	537	14,012	2,494	10/14	82	72	51.6	517	16,667	3,385
		101 W TLT	Peak	47	7/15	88	78	75.0	51.6	9	223	189	7/15	88	78	51.6	9	308	189
		102 M TLT	Peak	47	7/15	88	78	75.0	51.6	9	223	189	7/15	88	78	51.6	9	308	189
		Zone - 1-2-1	Peak	514		75	63	75.0	51.6	554	14,458	2,872		82	72	51.6	534	17,422	3,763
		Zone - 1-2-1	Block	514	11/14	75	63	75.0	51.6	548	14,309	2,515	10/14	82	72	51.6	537	17,364	3,605
		113 ELEC	Peak	55	6/18	81	73	75.0	51.6	35	921	156	7/15	88	78	51.6	35	1,095	221
		114 EVS	Peak	57	6/18	81	73	75.0	51.6	38	986	161	7/17	87	78	51.6	37	1,154	242
		115 SOIL	Peak	56	7/15	88	78	75.0	51.6	19	505	225	7/15	88	78	51.6	19	668	225
		116 MANAGER OFF	Peak	102	7/18	85	77	75.0	51.6	71	1,850	801	7/17	87	78	51.6	71	2,123	833
		Zone - 1-2-2	Peak	270		85	77	75.0	51.6	163	4,263	1,343		87	78	51.6	163	5,039	1,521
		Zone - 1-2-2	Block	270	7/18	85	77	75.0	51.6	163	4,253	1,462	7/17	87	78	51.6	162	4,972	1,545

# PEAK HEATING LOADS

## MAIN SYSTEM

By RLF

Peak Time	OA Condition	
	DB °F	WB °F
Htg Design	38	27

			DB		WB		SPACE				COIL		
			Peak Time	°F	°F								
Htg Design			38		27								
			Block or Peak	Floor Area ft²	Room Dry Bulb °F	Supply Dry Bulb °F	Space Air Flow cfm	Space Sensible Load Btu/h	Supply Dry Bulb °F	Coil Air Flow cfm	Coil Sensible Load Btu/h		
System	Zone	Room											
Alternative 1													
		117 BREAK ROOM	Peak	185	70.0	112.2	57	-2,701	112.2	57	-3,881		
		118 S TLT	Peak	44	70.0	112.0	22	-1,041	112.0	22	-1,498		
		Zone - 1-1-1	Peak	229	70.0	112.1	80	-3,742	112.1	80	-5,379		
		Zone - 1-1-1	Block	229	70.0	112.1	80	-3,742	112.1	80	-5,379		
		119 CONF/CONSULT	Peak	102	70.0	92.6	45	-1,126	92.6	45	-2,042		
		120 PROVIDER OFF	Peak	113	70.0	96.6	40	-1,172	96.6	40	-1,983		
		Zone - 1-1-2	Peak	215	70.0	94.5	84	-2,299	94.5	84	-4,026		
		Zone - 1-1-2	Block	215	70.0	94.5	84	-2,299	94.5	84	-4,026		
		111 TEAM STATION	Peak	150	70.0	90.9	26	-594	90.9	26	-1,119		
		125 TEAM STATION	Peak	198	70.0	89.6	36	-784	89.6	36	-1,519		
		126 B TLT	Peak	198	70.0	135.2	11	-784	135.2	11	-1,006		
		129 CORR CENTRAL	Peak	125	70.0	166.1	7	-728	166.1	7	-867		
		130 CORR	Peak	99	70.0	135.1	5	-392	135.1	5	-503		
		131 CORR	Peak	224	70.0	135.2	12	-887	135.2	12	-1,138		
		132 CORR NORTH	Peak	113	70.0	147.9	6	-537	147.9	6	-664		
		Zone - 1-1-3	Peak	1,107	70.0	111.1	103	-4,706	111.1	103	-6,815		
		Zone - 1-1-3	Block	1,107	70.0	111.1	103	-4,706	111.1	103	-6,815		
		121 EXAM ROOM 10	Peak	116	70.0	93.8	58	-1,527	93.8	58	-2,709		
		122 EXAM ROOM 9	Peak	116	70.0	93.8	55	-1,471	93.8	55	-2,610		
		123 EXAM ROOM 8	Peak	116	70.0	94.0	47	-1,247	94.0	47	-2,205		
		124 MECH	Peak	41	70.0	100.0	26	-884	100.0	26	-1,426		
		Zone - 1-1-4	Peak	389	70.0	94.7	186	-5,129	94.7	186	-8,950		
		Zone - 1-1-4	Block	389	70.0	94.7	186	-5,129	94.7	186	-8,950		
		100 LOBBY	Peak	420	70.0	94.4	161	-4,388	94.4	161	-7,694		
		101 W TLT	Peak	47	70.0	135.1	3	-186	135.1	3	-239		
		102 M TLT	Peak	47	70.0	135.1	3	-186	135.1	3	-239		
		Zone - 1-2-1	Peak	514	70.0	95.7	166	-4,761	95.7	166	-8,172		
		Zone - 1-2-1	Block	514	70.0	95.7	166	-4,761	95.7	166	-8,172		
		113 ELEC	Peak	55	70.0	114.0	11	-519	114.0	11	-736		
		114 EVS	Peak	57	70.0	152.0	11	-1,036	152.0	11	-1,269		
		115 SOIL	Peak	56	70.0	143.5	6	-476	143.5	6	-595		
		116 MANAGER OFF	Peak	102	70.0	128.5	21	-1,386	128.5	21	-1,822		
		Zone - 1-2-2	Peak	270	70.0	132.6	49	-3,417	132.6	49	-4,423		

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By RLF

## Alternative 1

System Zone Room	WALL				WINDOW						
	Plenum Load Btu/h	Plenum CLTD °F	Space Load Btu/h	Space CLTD °F	Space Solar Btu/h	Plenum Solar Btu/h	Solar CLF	Space Conduction Btu/h	Space CLTD °F	Plenum Conduction Btu/h	Plenum CLTD °F
117 BREAK ROOM	378	44.0	863	47.1	373	0	0.932	364	10.9	0	0.0
118 S TLT	565	87.9	1,754	90.9	0	0	0.000	0	0.0	0	0.0
Zone - 1-1-1 Zn Tot/Ave	943	62.8	2,617	69.6	373	0	0.932	364	10.9	0	0.0
Zone - 1-1-1 Zn Block	985	65.6	2,617	69.6	373	0	0.932	364	10.9	0	0.0
119 CONF/CONSULT	547	147.5	1,337	150.9	992	0	0.970	109	11.6	0	0.0
120 PROVIDER OFF	550	147.5	1,344	150.9	992	0	0.970	109	11.6	0	0.0
Zone - 1-1-2 Zn Tot/Ave	1,097	147.5	2,681	150.9	1,985	0	0.970	218	11.6	0	0.0
Zone - 1-1-2 Zn Block	1,097	147.5	2,681	150.9	1,985	0	0.970	218	11.6	0	0.0
111 TEAM STATION	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
125 TEAM STATION	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
126 B TLT	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
129 CORR CENTRAL	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
130 CORR	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
131 CORR	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
132 CORR NORTH	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 1-1-3 Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 1-1-3 Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
121 EXAM ROOM 10	682	147.5	1,407	150.9	1,985	0	0.970	218	11.6	0	0.0
122 EXAM ROOM 9	621	147.5	1,221	150.9	1,985	0	0.970	218	11.6	0	0.0
123 EXAM ROOM 8	619	147.5	1,557	150.9	992	0	0.970	109	11.6	0	0.0
124 MECH	558	150.8	1,358	153.6	994	0	0.920	-66	-7.0	0	0.0
Zone - 1-1-4 Zn Tot/Ave	2,479	148.2	5,543	151.5	5,956	0	0.962	480	8.5	0	0.0
Zone - 1-1-4 Zn Block	2,189	130.9	4,883	133.5	5,355	0	0.953	566	10.0	0	0.0
100 LOBBY	2,563	151.5	7,147	154.6	1,830	0	0.899	-10	-0.5	0	0.0
101 W TLT	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
102 M TLT	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 1-2-1 Zn Tot/Ave	2,563	151.5	7,147	154.6	1,830	0	0.899	-10	-0.5	0	0.0
Zone - 1-2-1 Zn Block	2,563	151.5	7,147	154.6	1,830	0	0.899	-10	-0.5	0	0.0
113 ELEC	106	47.6	339	50.5	0	0	0.000	0	0.0	0	0.0
114 EVS	129	47.6	182	50.5	461	0	0.925	128	6.8	0	0.0
115 SOIL	72	38.4	240	42.3	0	0	0.000	0	0.0	0	0.0
116 MANAGER OFF	176	44.0	350	47.1	373	0	0.932	204	10.8	0	0.0
Zone - 1-2-2 Zn Tot/Ave	483	44.7	1,110	47.5	834	0	0.928	332	8.8	0	0.0

# BUILDING ENVELOPE HEATING LOADS

at Space Peak

By RLF

## Alternative 1

System Zone Room		WALL				WINDOW						
		Plenum Load	Plenum CLTD	Space Load	Space CLTD	Space Solar	Plenum Solar	Solar	Space Conduction	Space CLTD	Plenum Conduction	Plenum CLTD
		Btu/h	°F	Btu/h	°F	Btu/h	Btu/h	CLF	Btu/h	°F	Btu/h	°F
117 BREAK ROOM		-254	-29.6	-586	-32.0	0	0	0.000	-1,049	-30.7	0	0.0
118 S TLT		-191	-29.6	-617	-32.0	0	0	0.000	0	0.0	0	0.0
Zone - 1-1-1	Zn Tot/Ave	-445	-29.6	-1,204	-32.0	0	0	0.000	-1,049	-30.7	0	0.0
Zone - 1-1-1	Zn Block	-445	-29.6	-1,204	-32.0	0	0	0.000	-1,049	-30.7	0	0.0
119 CONF/CONSULT		-110	-29.6	-284	-32.0	0	0	0.000	-295	-30.7	0	0.0
120 PROVIDER OFF		-110	-29.6	-285	-32.0	0	0	0.000	-295	-30.7	0	0.0
Zone - 1-1-2	Zn Tot/Ave	-220	-29.6	-569	-32.0	0	0	0.000	-590	-30.7	0	0.0
Zone - 1-1-2	Zn Block	-220	-29.6	-569	-32.0	0	0	0.000	-590	-30.7	0	0.0
111 TEAM STATION		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
125 TEAM STATION		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
126 B TLT		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
129 CORR CENTRAL		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
130 CORR		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
131 CORR		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
132 CORR NORTH		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 1-1-3	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 1-1-3	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
121 EXAM ROOM 10		-137	-29.6	-299	-32.0	0	0	0.000	-590	-30.7	0	0.0
122 EXAM ROOM 9		-125	-29.6	-259	-32.0	0	0	0.000	-590	-30.7	0	0.0
123 EXAM ROOM 8		-124	-29.6	-330	-32.0	0	0	0.000	-295	-30.7	0	0.0
124 MECH		-110	-29.6	-283	-32.0	0	0	0.000	-295	-30.7	0	0.0
Zone - 1-1-4	Zn Tot/Ave	-496	-29.6	-1,171	-32.0	0	0	0.000	-1,769	-30.7	0	0.0
Zone - 1-1-4	Zn Block	-496	-29.6	-1,171	-32.0	0	0	0.000	-1,769	-30.7	0	0.0
100 LOBBY		-501	-29.6	-1,479	-32.0	0	0	0.000	-590	-30.7	0	0.0
101 W TLT		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
102 M TLT		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 1-2-1	Zn Tot/Ave	-501	-29.6	-1,479	-32.0	0	0	0.000	-590	-30.7	0	0.0
Zone - 1-2-1	Zn Block	-501	-29.6	-1,479	-32.0	0	0	0.000	-590	-30.7	0	0.0
113 ELEC		-66	-29.6	-214	-32.0	0	0	0.000	0	0.0	0	0.0
114 EVS		-80	-29.6	-115	-32.0	0	0	0.000	-590	-30.7	0	0.0
115 SOIL		-56	-29.6	-181	-32.0	0	0	0.000	0	0.0	0	0.0
116 MANAGER OFF		-118	-29.6	-238	-32.0	0	0	0.000	-590	-30.7	0	0.0
Zone - 1-2-2	Zn Tot/Ave	-321	-29.6	-749	-32.0	0	0	0.000	-1,179	-30.7	0	0.0
Zone - 1-2-2	Zn Block	-321	-29.6	-749	-32.0	0	0	0.000	-1,179	-30.7	0	0.0
109 PROVIDER OFF		-157	-29.6	-363	-32.0	0	0	0.000	-590	-30.7	0	0.0
112 POC		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
129 CORR NORTH		-112	-29.6	-271	-32.0	0	0	0.000	-459	-31.2	0	0.0
Zone - 1-2-3	Zn Tot/Ave	-269	-29.6	-634	-32.0	0	0	0.000	-1,049	-30.9	0	0.0

# BUILDING ENVELOPE HEATING LOADS

at Space Peak

By RLF

System Zone Room		WALL				WINDOW						
		Plenum Load	Plenum CLTD	Space Load	Space CLTD	Space Solar	Plenum Solar	Solar	Space Conduction	Space CLTD	Plenum Conduction	Plenum CLTD
		Btu/h	°F	Btu/h	°F	Btu/h	Btu/h	CLF	Btu/h	°F	Btu/h	°F
Zone - 1-2-3	Zn Block	-269	-29.6	-634	-32.0	0	0	0.000	-1,049	-30.7	0	0.0
105 EXAM ROOM 2		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
106 EXAM ROOM 3		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
107 EXAMS ROOM 4		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
108 EXAM ROOM 5		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 1-2-4	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
Zone - 1-2-4	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
103 RECEPTION/SCHEDULING		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
110 EXAM ROOM 6		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
127 CLEAN STORAGE		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
128 COMM		0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
132 CORR SOUTH		-67	-29.6	-145	-32.0	0	0	0.000	-295	-30.7	0	0.0
Zone - 1-2-5	Zn Tot/Ave	-67	-29.6	-145	-32.0	0	0	0.000	-295	-30.7	0	0.0
Zone - 1-2-5	Zn Block	-67	-29.6	-145	-32.0	0	0	0.000	-295	-30.7	0	0.0
104 EXAM ROOM 1		-157	-29.6	-324	-32.0	0	0	0.000	-918	-31.2	0	0.0
129 CORR SOUTH		-67	-29.6	-218	-32.0	0	0	0.000	0	0.0	0	0.0
Zone - 1-2-6	Zn Tot/Ave	-224	-29.6	-541	-32.0	0	0	0.000	-918	-31.2	0	0.0
Zone - 1-2-6	Zn Block	-224	-29.6	-541	-32.0	0	0	0.000	-918	-31.2	0	0.0
AHU	Sys Tot/Ave	-2,543	-29.6	-6,491	-32.0	0	0	0.000	-7,438	-30.8	0	0.0
AHU	Sys Block	-2,543	-29.6	-6,491	-32.0	0	0	0.000	-7,438	-30.7	0	0.0

# BUILDING ENVELOPE HEATING LOADS

at Space Peak

By RLF

System Zone Room	ROOF				SKYLIGHT						
	Plenum Sensible Load Btu/h	Plenum CLTD °F	Space Sensible Load Btu/h	Space CLTD °F	Plenum Solar Btu/h	Space Solar Btu/h	Solar CLF	Plenum Conduction Load Btu/h	Plenum CLTD °F	Space Conduction Load Btu/h	Space CLTD °F
117 BREAK ROOM	-186	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
118 S TLT	-119	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
Zone - 1-1-1 Zn Tot/Ave	-305	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
Zone - 1-1-1 Zn Block	-305	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
119 CONF/CONSULT	-102	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
120 PROVIDER OFF	-114	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
Zone - 1-1-2 Zn Tot/Ave	-216	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
Zone - 1-1-2 Zn Block	-216	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
111 TEAM STATION	-152	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
125 TEAM STATION	-200	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
126 B TLT	-127	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
129 CORR CENTRAL	-126	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
130 CORR	-100	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
131 CORR	-226	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
132 CORR NORTH	-114	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
Zone - 1-1-3 Zn Tot/Ave	-1,045	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
Zone - 1-1-3 Zn Block	-1,045	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
121 EXAM ROOM 10	-117	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
122 EXAM ROOM 9	-117	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
123 EXAM ROOM 8	-117	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
124 MECH	-125	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
Zone - 1-1-4 Zn Tot/Ave	-476	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
Zone - 1-1-4 Zn Block	-476	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
100 LOBBY	-423	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
101 W TLT	-47	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
102 M TLT	-47	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
Zone - 1-2-1 Zn Tot/Ave	-518	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
Zone - 1-2-1 Zn Block	-518	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
113 ELEC	-56	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
114 EVS	-58	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
115 SOIL	-57	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
116 MANAGER OFF	-103	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
Zone - 1-2-2 Zn Tot/Ave	-274	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
Zone - 1-2-2 Zn Block	-274	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
109 PROVIDER OFF	-118	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
112 POC	-20	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
129 CORR NORTH	-77	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
Zone - 1-2-3 Zn Tot/Ave	-216	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
Zone - 1-2-3 Zn Block	-216	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0

# BUILDING ENVELOPE HEATING LOADS

at Space Peak

By RLF

System Zone Room	ROOF				SKYLIGHT						
	Plenum Sensible Load Btu/h	Plenum CLTD °F	Space Sensible Load Btu/h	Space CLTD °F	Plenum Solar Btu/h	Space Solar Btu/h	Solar CLF	Plenum Conduction Load Btu/h	Plenum CLTD °F	Space Conduction Load Btu/h	Space CLTD °F
105 EXAM ROOM 2	-118	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
106 EXAM ROOM 3	-118	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
107 EXAMS ROOM 4	-118	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
108 EXAM ROOM 5	-118	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
Zone - 1-2-4 Zn Tot/Ave	-473	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
Zone - 1-2-4 Zn Block	-473	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
103 RECEPTION/SCHEDULING	-328	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
110 EXAM ROOM 6	-117	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
127 CLEAN STORAGE	-93	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
128 COMM	-129	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
132 CORR SOUTH	-167	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
Zone - 1-2-5 Zn Tot/Ave	-834	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
Zone - 1-2-5 Zn Block	-834	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
104 EXAM ROOM 1	-118	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
129 CORR SOUTH	-156	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
Zone - 1-2-6 Zn Tot/Ave	-275	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
Zone - 1-2-6 Zn Block	-275	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
AHU Sys Tot/Ave	-4,631	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0
AHU Sys Block	-4,631	-29.6	0	-32.0	0	0	0.000	0	0.0	0	0.0

# BUILDING ENVELOPE HEATING LOADS

at Space Peak

By RLF

System Zone Room	FLOOR		PARTITION		INFILTRATION		CEILING		Envelope Total Btu/h
	Load Btu/h	CLTD °F	Load Btu/h	CLTD °F	Airflow cfm	Sensible Btu/h	Plenum Dry Bulb Temp °F	Load Btu/h	
117 BREAK ROOM	-333	-32.0	0	0.0	17	-594	67.6	-139	-3,141
118 S TLT	-250	-32.0	0	0.0	4	-141	67.6	-33	-1,351
Zone - 1-1-1 Zn Tot/Ave	-583	-32.0	0	0.0	21	-735	67.6	-172	-4,492
Zone - 1-1-1 Zn Block	-583	-32.0	0	0.0	21	-735	67.6	-172	-4,492
119 CONF/CONSULT	-144	-32.0	0	0.0	9	-327	67.6	-76	-1,339
120 PROVIDER OFF	-145	-32.0	0	0.0	10	-363	67.6	-85	-1,396
Zone - 1-1-2 Zn Tot/Ave	-289	-32.0	0	0.0	19	-690	67.6	-161	-2,735
Zone - 1-1-2 Zn Block	-289	-32.0	0	0.0	19	-690	67.6	-161	-2,735
111 TEAM STATION	0	0.0	0	0.0	14	-482	67.6	-112	-746
125 TEAM STATION	0	0.0	0	0.0	18	-636	67.6	-148	-984
126 B TLT	0	0.0	0	0.0	18	-636	67.6	-148	-912
129 CORR CENTRAL	-235	-32.0	0	0.0	11	-400	67.6	-93	-854
130 CORR	0	0.0	0	0.0	9	-318	67.6	-74	-492
131 CORR	0	0.0	0	0.0	20	-719	67.6	-168	-1,113
132 CORR NORTH	-88	-32.0	0	0.0	10	-364	67.6	-85	-651
Zone - 1-1-3 Zn Tot/Ave	-323	-32.0	0	0.0	100	-3,554	67.6	-829	-5,751
Zone - 1-1-3 Zn Block	-323	-32.0	0	0.0	100	-3,554	67.6	-829	-5,751
121 EXAM ROOM 10	-179	-32.0	0	0.0	10	-372	67.6	-87	-1,781
122 EXAM ROOM 9	-163	-32.0	0	0.0	10	-372	67.6	-87	-1,713
123 EXAM ROOM 8	-163	-32.0	0	0.0	10	-372	67.6	-87	-1,489
124 MECH	-144	-32.0	0	0.0	4	-132	67.6	-31	-1,118
Zone - 1-1-4 Zn Tot/Ave	-649	-32.0	0	0.0	35	-1,249	67.6	-291	-6,102
Zone - 1-1-4 Zn Block	-649	-32.0	0	0.0	35	-1,249	67.6	-291	-6,102
100 LOBBY	-657	-32.0	0	0.0	38	-1,348	67.6	-315	-5,313
101 W TLT	0	0.0	0	0.0	4	-151	67.6	-35	-234
102 M TLT	0	0.0	0	0.0	4	-151	67.6	-35	-234
Zone - 1-2-1 Zn Tot/Ave	-657	-32.0	0	0.0	46	-1,650	67.6	-385	-5,780
Zone - 1-2-1 Zn Block	-657	-32.0	0	0.0	46	-1,650	67.6	-385	-5,780
113 ELEC	-87	-32.0	0	0.0	5	-177	67.6	-41	-641
114 EVS	-105	-32.0	0	0.0	5	-183	67.6	-43	-1,174
115 SOIL	-73	-32.0	0	0.0	5	-180	67.6	-42	-589
116 MANAGER OFF	-155	-32.0	0	0.0	9	-327	67.6	-76	-1,607
Zone - 1-2-2 Zn Tot/Ave	-420	-32.0	0	0.0	24	-867	67.6	-202	-4,011
Zone - 1-2-2 Zn Block	-420	-32.0	0	0.0	24	-867	67.6	-202	-4,011
109 PROVIDER OFF	-206	-32.0	0	0.0	11	-376	67.6	-88	-1,897
112 POC	0	0.0	0	0.0	2	-64	67.6	-15	-100
129 CORR NORTH	-235	-32.0	0	0.0	7	-246	67.6	-57	-1,457
Zone - 1-2-3 Zn Tot/Ave	-440	-32.0	0	0.0	19	-686	67.6	-160	-3,453
Zone - 1-2-3 Zn Block	-440	-32.0	0	0.0	19	-686	67.6	-160	-3,453



# BUILDING ENVELOPE HEATING LOADS

at Space Peak

By RLF

System Zone Room	FLOOR		PARTITION		INFILTRATION		CEILING		Envelope Total Btu/h
	Load Btu/h	CLTD °F	Load Btu/h	CLTD °F	Airflow cfm	Sensible Btu/h	Plenum Dry Bulb Temp °F	Load Btu/h	
105 EXAM ROOM 2	0	0.0	0	0.0	11	-376	67.6	-88	-581
106 EXAM ROOM 3	0	0.0	0	0.0	11	-376	67.6	-88	-581
107 EXAMS ROOM 4	0	0.0	0	0.0	11	-376	67.6	-88	-581
108 EXAM ROOM 5	0	0.0	0	0.0	11	-376	67.6	-88	-581
Zone - 1-2-4 Zn Tot/Ave	0	0.0	0	0.0	42	-1,502	67.6	-351	-2,326
Zone - 1-2-4 Zn Block	0	0.0	0	0.0	42	-1,502	67.6	-351	-2,326
103 RECEPTION/SCHEDULING	0	0.0	0	0.0	29	-1,043	67.6	-244	-1,614
110 EXAM ROOM 6	0	0.0	0	0.0	10	-372	67.6	-87	-577
127 CLEAN STORAGE	0	0.0	0	0.0	8	-295	67.6	-69	-457
128 COMM	0	0.0	0	0.0	8	-289	67.6	-67	-486
132 CORR SOUTH	-88	-32.0	0	0.0	15	-531	67.6	-124	-1,417
Zone - 1-2-5 Zn Tot/Ave	-88	-32.0	0	0.0	71	-2,532	67.6	-591	-4,551
Zone - 1-2-5 Zn Block	-88	-32.0	0	0.0	71	-2,532	67.6	-591	-4,551
104 EXAM ROOM 1	-206	-32.0	0	0.0	11	-376	67.6	-88	-2,186
129 CORR SOUTH	-235	-32.0	0	0.0	14	-496	67.6	-116	-1,288
Zone - 1-2-6 Zn Tot/Ave	-440	-32.0	0	0.0	24	-872	67.6	-204	-3,474
Zone - 1-2-6 Zn Block	-440	-32.0	0	0.0	24	-872	67.6	-204	-3,474
AHU Sys Tot/Ave	-3,889	-32.0	0	0.0	402	-14,337	67.6	-3,346	-42,675
AHU Sys Block	-3,889	-32.0	0	0.0	402	-14,337	67.6	-3,346	-42,675

# BUILDING ENVELOPE HEATING LOADS

at Space Peak

By RLF

UNDER FLOOR		SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES				
		Supply Airflow into Uflr Plen cfm	Uflr Plen Air Leakage To Space cfm	--- Supply Temperature --- Entering Uflr Plen °F	Leaving Uflr Plen °F	Uflr Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h
System	Zone Room										
	117 BREAK ROOM	0	0	0.0	0.0	0.0	0	0	0	0	0
	118 S TLT	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 1-1-1 Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 1-1-1 Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	119 CONF/CONSULT	0	0	0.0	0.0	0.0	0	0	0	0	0
	120 PROVIDER OFF	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 1-1-2 Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 1-1-2 Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	111 TEAM STATION	0	0	0.0	0.0	0.0	0	0	0	0	0
	125 TEAM STATION	0	0	0.0	0.0	0.0	0	0	0	0	0
	126 B TLT	0	0	0.0	0.0	0.0	0	0	0	0	0
	129 CORR CENTRAL	0	0	0.0	0.0	0.0	0	0	0	0	0
	130 CORR	0	0	0.0	0.0	0.0	0	0	0	0	0
	131 CORR	0	0	0.0	0.0	0.0	0	0	0	0	0
	132 CORR NORTH	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 1-1-3 Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 1-1-3 Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	121 EXAM ROOM 10	0	0	0.0	0.0	0.0	0	0	0	0	0
	122 EXAM ROOM 9	0	0	0.0	0.0	0.0	0	0	0	0	0
	123 EXAM ROOM 8	0	0	0.0	0.0	0.0	0	0	0	0	0
	124 MECH	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 1-1-4 Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 1-1-4 Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	100 LOBBY	0	0	0.0	0.0	0.0	0	0	0	0	0
	101 W TLT	0	0	0.0	0.0	0.0	0	0	0	0	0
	102 M TLT	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 1-2-1 Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
	Zone - 1-2-1 Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
	113 ELEC	0	0	0.0	0.0	0.0	0	0	0	0	0
	114 EVS	0	0	0.0	0.0	0.0	0	0	0	0	0
	115 SOIL	0	0	0.0	0.0	0.0	0	0	0	0	0
	116 MANAGER OFF	0	0	0.0	0.0	0.0	0	0	0	0	0

# BUILDING ENVELOPE HEATING LOADS

at Space Peak

By RLF

UNDER FLOOR		SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES				
		Supply Airflow into Uflr Pln cfm	Uflr Pln Air Leakage To Space cfm	--- Supply Temperature --- Entering Uflr Pln °F	Leaving Uflr Pln °F	Uflr Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Pln Btu/h	Conduction From Adj Ceiling No Pln Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h
System Zone Room											
Zone - 1-2-2	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 1-2-2	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
109 PROVIDER OFF		0	0	0.0	0.0	0.0	0	0	0	0	0
112 POC		0	0	0.0	0.0	0.0	0	0	0	0	0
129 CORR NORTH		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 1-2-3	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 1-2-3	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
105 EXAM ROOM 2		0	0	0.0	0.0	0.0	0	0	0	0	0
106 EXAM ROOM 3		0	0	0.0	0.0	0.0	0	0	0	0	0
107 EXAMS ROOM 4		0	0	0.0	0.0	0.0	0	0	0	0	0
108 EXAM ROOM 5		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 1-2-4	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 1-2-4	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
103 RECEPTION/SCHEDULIN		0	0	0.0	0.0	0.0	0	0	0	0	0
110 EXAM ROOM 6		0	0	0.0	0.0	0.0	0	0	0	0	0
127 CLEAN STORAGE		0	0	0.0	0.0	0.0	0	0	0	0	0
128 COMM		0	0	0.0	0.0	0.0	0	0	0	0	0
132 CORR SOUTH		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 1-2-5	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 1-2-5	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
104 EXAM ROOM 1		0	0	0.0	0.0	0.0	0	0	0	0	0
129 CORR SOUTH		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 1-2-6	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 1-2-6	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
AHU	Sys Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
AHU	Sys Block	0	0	0.0	0.0	0.0	0	0	0	0	0

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By RLF

		WALL				WINDOW						
System	Zone Room	Plenum Load Btu/h	Plenum CLTD °F	Space Load Btu/h	Space CLTD °F	Space Solar Btu/h	Plenum Solar Btu/h	Solar CLF	Space Conduction Btu/h	Space CLTD °F	Plenum Conduction Btu/h	Plenum CLTD °F
	Zone - 1-2-2											
	Zn Block	477	44.0	1,102	47.1	745	0	0.932	407	10.8	0	0.0
109	PROVIDER OFF	252	47.6	574	50.5	461	0	0.925	128	6.8	0	0.0
112	POC	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
129	CORR NORTH	145	38.4	358	42.3	0	0	0.000	196	13.3	0	0.0
	Zone - 1-2-3											
	Zn Tot/Ave	397	43.7	932	47.0	461	0	0.925	324	9.7	0	0.0
	Zone - 1-2-3											
	Zn Block	400	44.0	933	47.1	373	0	0.932	364	10.9	0	0.0
105	EXAM ROOM 2	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
106	EXAM ROOM 3	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
107	EXAMS ROOM 4	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
108	EXAM ROOM 5	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 1-2-4											
	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
	Zone - 1-2-4											
	Zn Block	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
103	RECEPTION/SCHEDULING	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
110	EXAM ROOM 6	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
127	CLEAN STORAGE	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
128	COMM	0	0.0	0	0.0	0	0	0.000	0	0.0	0	0.0
132	CORR SOUTH	323	142.5	660	145.6	952	0	0.936	2	0.3	0	0.0
	Zone - 1-2-5											
	Zn Tot/Ave	323	142.5	660	145.6	952	0	0.936	2	0.3	0	0.0
	Zone - 1-2-5											
	Zn Block	247	109.1	512	112.8	598	0	0.929	104	11.1	0	0.0
104	EXAM ROOM 1	203	38.4	428	42.3	0	0	0.000	392	13.3	0	0.0
129	CORR SOUTH	315	139.0	970	142.6	0	0	0.000	0	0.0	0	0.0
	Zone - 1-2-6											
	Zn Tot/Ave	518	68.5	1,398	82.6	0	0	0.000	392	13.3	0	0.0
	Zone - 1-2-6											
	Zn Block	473	62.5	1,157	68.4	0	0	0.000	308	10.5	0	0.0
AHU	Sys Tot/Ave	8,804	102.6	22,088	108.9	12,390	0	0.947	2,102	8.9	0	0.0
AHU	Sys Block	6,572	76.6	16,248	80.1	8,755	0	0.859	2,595	10.9	0	0.0

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By RLF

System Zone Room	ROOF				SKYLIGHT						
	Plenum Sensible Load Btu/h	Plenum CLTD °F	Space Sensible Load Btu/h	Space CLTD °F	Plenum Solar Btu/h	Space Solar Btu/h	Solar CLF	Plenum Conduction Load Btu/h	Plenum CLTD °F	Space Conduction Load Btu/h	Space CLTD °F
117 BREAK ROOM	296	47.1	0	50.2	0	0	0.000	0	0.0	0	0.0
118 S TLT	260	64.6	0	67.7	0	0	0.000	0	0.0	0	0.0
Zone - 1-1-1 Zn Tot/Ave	556	54.0	0	57.6	0	0	0.000	0	0.0	0	0.0
Zone - 1-1-1 Zn Block	556	54.0	0	57.0	0	0	0.000	0	0.0	0	0.0
119 CONF/CONSULT	203	58.9	0	62.3	0	0	0.000	0	0.0	0	0.0
120 PROVIDER OFF	294	76.7	0	80.0	0	0	0.000	0	0.0	0	0.0
Zone - 1-1-2 Zn Tot/Ave	497	68.2	0	70.0	0	0	0.000	0	0.0	0	0.0
Zone - 1-1-2 Zn Block	497	68.2	0	71.6	0	0	0.000	0	0.0	0	0.0
111 TEAM STATION	407	79.5	0	83.4	0	0	0.000	0	0.0	0	0.0
125 TEAM STATION	573	84.8	0	88.8	0	0	0.000	0	0.0	0	0.0
126 B TLT	342	79.5	0	83.4	0	0	0.000	0	0.0	0	0.0
129 CORR CENTRAL	338	79.7	0	83.7	0	0	0.000	0	0.0	0	0.0
130 CORR	270	80.3	0	84.3	0	0	0.000	0	0.0	0	0.0
131 CORR	606	79.5	0	83.4	0	0	0.000	0	0.0	0	0.0
132 CORR NORTH	343	88.7	0	92.7	0	0	0.000	0	0.0	0	0.0
Zone - 1-1-3 Zn Tot/Ave	2,878	81.6	0	85.6	0	0	0.000	0	0.0	0	0.0
Zone - 1-1-3 Zn Block	2,878	81.6	0	85.6	0	0	0.000	0	0.0	0	0.0
121 EXAM ROOM 10	303	76.7	0	80.0	0	0	0.000	0	0.0	0	0.0
122 EXAM ROOM 9	303	76.7	0	80.0	0	0	0.000	0	0.0	0	0.0
123 EXAM ROOM 8	303	76.7	0	80.0	0	0	0.000	0	0.0	0	0.0
124 MECH	174	41.2	0	44.1	0	0	0.000	0	0.0	0	0.0
Zone - 1-1-4 Zn Tot/Ave	1,084	67.4	0	66.5	0	0	0.000	0	0.0	0	0.0
Zone - 1-1-4 Zn Block	1,088	67.7	0	70.8	0	0	0.000	0	0.0	0	0.0
100 LOBBY	1,037	72.6	0	75.7	0	0	0.000	0	0.0	0	0.0
101 W TLT	137	85.3	0	89.2	0	0	0.000	0	0.0	0	0.0
102 M TLT	137	85.3	0	89.2	0	0	0.000	0	0.0	0	0.0
Zone - 1-2-1 Zn Tot/Ave	1,310	74.9	0	84.2	0	0	0.000	0	0.0	0	0.0
Zone - 1-2-1 Zn Block	1,270	72.6	0	75.7	0	0	0.000	0	0.0	0	0.0
113 ELEC	84	44.6	0	47.6	0	0	0.000	0	0.0	0	0.0
114 EVS	87	44.6	0	47.6	0	0	0.000	0	0.0	0	0.0
115 SOIL	152	79.5	0	83.4	0	0	0.000	0	0.0	0	0.0
116 MANAGER OFF	164	47.1	0	50.2	0	0	0.000	0	0.0	0	0.0
Zone - 1-2-2 Zn Tot/Ave	488	52.8	0	54.1	0	0	0.000	0	0.0	0	0.0
Zone - 1-2-2 Zn Block	435	47.1	0	50.2	0	0	0.000	0	0.0	0	0.0
109 PROVIDER OFF	178	44.6	0	47.6	0	0	0.000	0	0.0	0	0.0
112 POC	55	79.5	0	83.4	0	0	0.000	0	0.0	0	0.0
129 CORR NORTH	207	79.5	0	83.4	0	0	0.000	0	0.0	0	0.0
Zone - 1-2-3 Zn Tot/Ave	440	60.4	0	66.7	0	0	0.000	0	0.0	0	0.0
Zone - 1-2-3 Zn Block	343	47.1	0	50.2	0	0	0.000	0	0.0	0	0.0
105 EXAM ROOM 2	340	85.3	0	89.2	0	0	0.000	0	0.0	0	0.0

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By RLF

System Zone Room	ROOF				SKYLIGHT						
	Plenum Sensible Load Btu/h	Plenum CLTD °F	Space Sensible Load Btu/h	Space CLTD °F	Plenum Solar Btu/h	Space Solar Btu/h	Solar CLF	Plenum Conduction Load Btu/h	Plenum CLTD °F	Space Conduction Load Btu/h	Space CLTD °F
106 EXAM ROOM 3	333	83.5	0	87.5	0	0	0.000	0	0.0	0	0.0
107 EXAMS ROOM 4	317	79.5	0	83.4	0	0	0.000	0	0.0	0	0.0
108 EXAM ROOM 5	317	79.5	0	83.4	0	0	0.000	0	0.0	0	0.0
Zone - 1-2-4 Zn Tot/Ave	1,307	81.9	0	85.8	0	0	0.000	0	0.0	0	0.0
Zone - 1-2-4 Zn Block	1,307	81.9	0	85.9	0	0	0.000	0	0.0	0	0.0
103 RECEPTION/SCHEDULING	952	86.2	0	90.1	0	0	0.000	0	0.0	0	0.0
110 EXAM ROOM 6	328	83.0	0	86.9	0	0	0.000	0	0.0	0	0.0
127 CLEAN STORAGE	286	91.1	0	95.0	0	0	0.000	0	0.0	0	0.0
128 COMM	363	83.1	0	87.0	0	0	0.000	0	0.0	0	0.0
132 CORR SOUTH	335	59.6	0	62.7	0	0	0.000	0	0.0	0	0.0
Zone - 1-2-5 Zn Tot/Ave	2,264	80.5	0	82.6	0	0	0.000	0	0.0	0	0.0
Zone - 1-2-5 Zn Block	2,283	81.1	0	84.9	0	0	0.000	0	0.0	0	0.0
104 EXAM ROOM 1	340	85.3	0	89.2	0	0	0.000	0	0.0	0	0.0
129 CORR SOUTH	446	84.6	0	88.2	0	0	0.000	0	0.0	0	0.0
Zone - 1-2-6 Zn Tot/Ave	786	84.9	0	88.7	0	0	0.000	0	0.0	0	0.0
Zone - 1-2-6 Zn Block	840	90.7	0	94.5	0	0	0.000	0	0.0	0	0.0
AHU Sys Tot/Ave	11,611	74.3	0	73.5	0	0	0.000	0	0.0	0	0.0
AHU Sys Block	10,091	64.6	0	68.1	0	0	0.000	0	0.0	0	0.0

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By RLF

System Zone Room	FLOOR		PARTITION		INFILTRATION			CEILING		Envelope Total Btu/h
	Load Btu/h	CLTD °F	Load Btu/h	CLTD °F	Airflow cfm	Sensible Btu/h	Latent Btu/h	Plenum Dry Bulb °F	Load Btu/h	
117 BREAK ROOM	0	0.0	0	0.0	17	187	728	78.0	178	3,367
118 S TLT	0	0.0	0	0.0	4	45	173	78.0	42	2,839
Zone - 1-1-1 Zn Tot/Ave	0	0.0	0	0.0	21	232	901	78.0	221	6,206
Zone - 1-1-1 Zn Block	0	0.0	0	0.0	21	232	901	78.0	221	6,248
119 CONF/CONSULT	0	0.0	0	0.0	9	113	424	78.4	109	3,834
120 PROVIDER OFF	0	0.0	0	0.0	10	125	469	78.4	121	4,004
Zone - 1-1-2 Zn Tot/Ave	0	0.0	0	0.0	19	237	893	78.4	229	7,838
Zone - 1-1-2 Zn Block	0	0.0	0	0.0	19	237	893	78.4	229	7,838
111 TEAM STATION	0	0.0	0	0.0	14	196	603	79.0	188	1,394
125 TEAM STATION	0	0.0	0	0.0	18	258	796	79.0	249	1,876
126 B TLT	0	0.0	0	0.0	18	258	796	79.0	249	1,645
129 CORR CENTRAL	0	0.0	0	0.0	11	162	501	79.0	156	1,158
130 CORR	0	0.0	0	0.0	9	129	398	79.0	124	921
131 CORR	0	0.0	0	0.0	20	292	901	79.0	281	2,081
132 CORR NORTH	0	0.0	0	0.0	10	148	456	79.0	142	1,089
Zone - 1-1-3 Zn Tot/Ave	0	0.0	0	0.0	100	1,444	4,452	79.0	1,390	10,164
Zone - 1-1-3 Zn Block	0	0.0	0	0.0	100	1,444	4,452	79.0	1,390	10,164
121 EXAM ROOM 10	0	0.0	0	0.0	10	128	482	78.4	124	5,329
122 EXAM ROOM 9	0	0.0	0	0.0	10	128	482	78.4	124	5,082
123 EXAM ROOM 8	0	0.0	0	0.0	10	128	482	78.4	124	4,315
124 MECH	0	0.0	0	0.0	4	-24	-5	77.8	37	3,025
Zone - 1-1-4 Zn Tot/Ave	0	0.0	0	0.0	35	360	1,440	78.3	408	17,750
Zone - 1-1-4 Zn Block	0	0.0	0	0.0	35	367	1,479	78.1	383	16,310
100 LOBBY	0	0.0	0	0.0	38	-4	94	78.1	415	13,072
101 W TLT	0	0.0	0	0.0	4	61	189	79.0	59	446
102 M TLT	0	0.0	0	0.0	4	61	189	79.0	59	446
Zone - 1-2-1 Zn Tot/Ave	0	0.0	0	0.0	46	118	472	78.3	533	13,964
Zone - 1-2-1 Zn Block	0	0.0	0	0.0	46	-5	115	78.1	508	13,418
113 ELEC	0	0.0	0	0.0	5	35	156	78.0	52	771
114 EVS	0	0.0	0	0.0	5	36	161	78.0	54	1,239
115 SOIL	0	0.0	0	0.0	5	73	225	79.0	70	833
116 MANAGER OFF	0	0.0	0	0.0	9	103	401	78.0	98	1,869
Zone - 1-2-2 Zn Tot/Ave	0	0.0	0	0.0	24	247	943	78.2	274	4,712
Zone - 1-2-2 Zn Block	0	0.0	0	0.0	24	273	1,062	78.0	260	4,762
109 PROVIDER OFF	0	0.0	0	0.0	11	74	331	78.0	110	2,109
112 POC	0	0.0	0	0.0	2	26	80	79.0	25	187
129 CORR NORTH	0	0.0	0	0.0	7	100	308	79.0	96	1,410
Zone - 1-2-3 Zn Tot/Ave	0	0.0	0	0.0	19	200	720	78.4	232	3,705
Zone - 1-2-3 Zn Block	0	0.0	0	0.0	19	216	840	78.0	206	3,675

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By RLF

System Zone Room	FLOOR		PARTITION		INFILTRATION			CEILING		Envelope Total Btu/h
	Load Btu/h	CLTD °F	Load Btu/h	CLTD °F	Airflow cfm	Sensible Btu/h	Latent Btu/h	Plenum Dry Bulb °F	Load Btu/h	
105 EXAM ROOM 2	0	0.0	0	0.0	11	153	471	79.0	147	1,110
106 EXAM ROOM 3	0	0.0	0	0.0	11	153	471	79.0	147	1,103
107 EXAMS ROOM 4	0	0.0	0	0.0	11	153	471	79.0	147	1,087
108 EXAM ROOM 5	0	0.0	0	0.0	11	153	471	79.0	147	1,087
Zone - 1-2-4	Zn Tot/Ave	0	0.0	0	0.0	42	610	1,882	588	4,388
Zone - 1-2-4	Zn Block	0	0.0	0	0.0	42	610	1,882	588	4,388
103 RECEPTION/SCHEDULING	0	0.0	0	0.0	29	424	1,307	79.0	408	3,091
110 EXAM ROOM 6	0	0.0	0	0.0	10	151	467	79.0	146	1,092
127 CLEAN STORAGE	0	0.0	0	0.0	8	120	370	79.0	116	892
128 COMM	0	0.0	0	0.0	8	117	362	79.0	113	955
132 CORR SOUTH	0	0.0	0	0.0	15	7	52	78.1	160	2,491
Zone - 1-2-5	Zn Tot/Ave	0	0.0	0	0.0	71	819	2,558	942	8,521
Zone - 1-2-5	Zn Block	0	0.0	0	0.0	71	862	2,928	935	8,469
104 EXAM ROOM 1	0	0.0	0	0.0	11	153	471	79.0	147	2,133
129 CORR SOUTH	0	0.0	0	0.0	14	102	363	78.5	174	2,370
Zone - 1-2-6	Zn Tot/Ave	0	0.0	0	0.0	24	255	833	321	4,503
Zone - 1-2-6	Zn Block	0	0.0	0	0.0	24	286	937	328	4,329
AHU	Sys Tot/Ave	0	0.0	0	0.0	402	4,523	15,095	5,137	81,751
AHU	Sys Block	0	0.0	0	0.0	402	4,704	17,171	4,978	71,115



# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By RLF

UNDER FLOOR		SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES				
		Supply Airflow into Uflr Plen cfm	Uflr Plen Air Leakage To Space cfm	--- Supply Temperature --- Entering Uflr Plen °F	Leaving Uflr Plen °F	Uflr Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h
System Zone Room											
117 BREAK ROOM		0	0	0.0	0.0	0.0	0	0	0	0	0
118 S TLT		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 1-1-1	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 1-1-1	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
119 CONF/CONSULT		0	0	0.0	0.0	0.0	0	0	0	0	0
120 PROVIDER OFF		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 1-1-2	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 1-1-2	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
111 TEAM STATION		0	0	0.0	0.0	0.0	0	0	0	0	0
125 TEAM STATION		0	0	0.0	0.0	0.0	0	0	0	0	0
126 B TLT		0	0	0.0	0.0	0.0	0	0	0	0	0
129 CORR CENTRAL		0	0	0.0	0.0	0.0	0	0	0	0	0
130 CORR		0	0	0.0	0.0	0.0	0	0	0	0	0
131 CORR		0	0	0.0	0.0	0.0	0	0	0	0	0
132 CORR NORTH		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 1-1-3	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 1-1-3	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
121 EXAM ROOM 10		0	0	0.0	0.0	0.0	0	0	0	0	0
122 EXAM ROOM 9		0	0	0.0	0.0	0.0	0	0	0	0	0
123 EXAM ROOM 8		0	0	0.0	0.0	0.0	0	0	0	0	0
124 MECH		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 1-1-4	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 1-1-4	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
100 LOBBY		0	0	0.0	0.0	0.0	0	0	0	0	0
101 W TLT		0	0	0.0	0.0	0.0	0	0	0	0	0
102 M TLT		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 1-2-1	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 1-2-1	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
113 ELEC		0	0	0.0	0.0	0.0	0	0	0	0	0
114 EVS		0	0	0.0	0.0	0.0	0	0	0	0	0
115 SOIL		0	0	0.0	0.0	0.0	0	0	0	0	0
116 MANAGER OFF		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 1-2-2	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0

# BUILDING ENVELOPE COOLING LOADS

at Space Peak

By RLF

UNDER FLOOR		SUPPLY AIR TEMPERATURES AIRFLOWS					CONDUCTION HEAT GAIN / LOSSES				
		Supply Airflow into Uflr Plen cfm	Uflr Plen Air Leakage To Space cfm	--- Supply Temperature --- Entering Uflr Plen °F	Leaving Uflr Plen °F	Uflr Plenum Air Heat Pickup °F	Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Conduction From Exp Floor Slab Btu/h	Conduction From Ext Wall Btu/h	Conduction Into Space Btu/h
System Zone Room											
Zone - 1-2-2	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
109 PROVIDER OFF		0	0	0.0	0.0	0.0	0	0	0	0	0
112 POC		0	0	0.0	0.0	0.0	0	0	0	0	0
129 CORR NORTH		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 1-2-3	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 1-2-3	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
105 EXAM ROOM 2		0	0	0.0	0.0	0.0	0	0	0	0	0
106 EXAM ROOM 3		0	0	0.0	0.0	0.0	0	0	0	0	0
107 EXAMS ROOM 4		0	0	0.0	0.0	0.0	0	0	0	0	0
108 EXAM ROOM 5		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 1-2-4	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 1-2-4	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
103 RECEPTION/SCHEDULIN		0	0	0.0	0.0	0.0	0	0	0	0	0
110 EXAM ROOM 6		0	0	0.0	0.0	0.0	0	0	0	0	0
127 CLEAN STORAGE		0	0	0.0	0.0	0.0	0	0	0	0	0
128 COMM		0	0	0.0	0.0	0.0	0	0	0	0	0
132 CORR SOUTH		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 1-2-5	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 1-2-5	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
104 EXAM ROOM 1		0	0	0.0	0.0	0.0	0	0	0	0	0
129 CORR SOUTH		0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 1-2-6	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
Zone - 1-2-6	Zn Block	0	0	0.0	0.0	0.0	0	0	0	0	0
AHU	Sys Tot/Ave	0	0	0.0	0.0	0.0	0	0	0	0	0
AHU	Sys Block	0	0	0.0	0.0	0.0	0	0	0	0	0

Peak Time	OA Condition	
	DB	WB
Htg Design	38	27

					SPACE				COIL		
System	Zone	Room	Block or Peak	Floor Area ft²	Room Dry Bulb °F	Supply Dry Bulb °F	Space Air Flow cfm	Space Sensible Load Btu/h	Supply Dry Bulb °F	Coil Air Flow cfm	Coil Sensible Load Btu/h
	Zone - 1-2-2		Block	270	70.0	132.6	49	-3,417	132.6	49	-4,423
		109 PROVIDER OFF	Peak	117	70.0	120.6	29	-1,622	120.6	29	-2,212
		112 POC	Peak	20	70.0	135.1	1	-79	135.1	1	-102
		129 CORR NORTH	Peak	77	70.0	177.9	11	-1,267	177.9	11	-1,484
	Zone - 1-2-3		Peak	214	70.0	135.9	40	-2,969	135.9	40	-3,798
	Zone - 1-2-3		Block	214	70.0	135.9	40	-2,969	135.9	40	-3,798
		105 EXAM ROOM 2	Peak	117	70.0	94.9	17	-463	94.9	17	-806
		106 EXAM ROOM 3	Peak	117	70.0	94.9	17	-463	94.9	17	-806
		107 EXAMS ROOM 4	Peak	117	70.0	94.9	17	-463	94.9	17	-806
		108 EXAM ROOM 5	Peak	117	70.0	94.9	17	-463	94.9	17	-806
	Zone - 1-2-4		Peak	468	70.0	94.9	67	-1,853	94.9	67	-3,226
	Zone - 1-2-4		Block	468	70.0	94.9	67	-1,853	94.9	67	-3,226
		103 RECEPTION/SCHEDULING	Peak	325	70.0	97.5	42	-1,287	97.5	42	-2,148
		110 EXAM ROOM 6	Peak	116	70.0	94.8	17	-459	94.8	17	-801
		127 CLEAN STORAGE	Peak	92	70.0	135.1	5	-364	135.1	5	-467
		128 COMM	Peak	90	70.0	72.2	143	-356	72.2	143	-3,289
		132 CORR SOUTH	Peak	166	70.0	113.1	25	-1,184	113.1	25	-1,689
	Zone - 1-2-5		Peak	789	70.0	84.2	231	-3,651	84.2	231	-8,394
	Zone - 1-2-5		Block	789	70.0	84.2	231	-3,650	84.2	231	-8,394
		104 EXAM ROOM 1	Peak	117	70.0	135.6	26	-1,910	135.6	26	-2,447
		129 CORR SOUTH	Peak	155	70.0	122.5	18	-1,065	122.5	18	-1,438
	Zone - 1-2-6		Peak	272	70.0	130.2	44	-2,975	130.2	44	-3,885
	Zone - 1-2-6		Block	272	70.0	130.2	44	-2,975	130.2	44	-3,885
AHU			Peak	4,466	70.0	100.3	1,050	-35,501	100.3	1,050	-57,066
AHU			Block	4,466	70.0	100.3	1,050	-35,501	100.3	1,050	-57,066

			SPACE								COIL							
			Floor Area ft²	Peak Time Mo/Hr	OA Condition		Room Dry Bulb °F	Supply Dry Bulb °F	Space Air Flow cfm	Space Sensible Load Btu/h	Space Latent Load Btu/h	Peak Time Mo/Hr	OA Condition		Supply Dry Bulb °F	Coil Airflow cfm	Coil Sensible Load Btu/h	Coil Latent Load Btu/h
					DB °F	WB °F							DB °F	WB °F				
System	Zone	Room																
		109 PROVIDER OFF	Peak	117	6/18	81	73	75.0	51.6	96	2,503	7 /17	87	78	51.6	95	2,826	896
		112 POC	Peak	20	7/15	88	78	75.0	51.6	4	95	7 /16	88	78	51.6	4	123	86
		129 CORR NORTH	Peak	77	7/15	88	78	75.0	51.6	35	917	7 /15	88	78	51.6	35	1,184	308
	Zone - 1-2-3		Peak	214		85	77	75.0	51.6	135	3,515		87	78	51.6	134	4,133	1,290
	Zone - 1-2-3		Block	214	7/18	85	77	75.0	51.6	132	3,458	7 /17	87	78	51.6	132	4,064	1,306
		105 EXAM ROOM 2	Peak	117	7/15	88	78	75.0	51.6	56	1,454	7 /15	88	78	51.6	56	1,665	871
		106 EXAM ROOM 3	Peak	117	7/15	88	78	75.0	51.6	56	1,454	7 /15	88	78	51.6	56	1,658	871
		107 EXAMS ROOM 4	Peak	117	7/15	88	78	75.0	51.6	56	1,454	7 /16	88	78	51.6	55	1,613	902
		108 EXAM ROOM 5	Peak	117	7/15	88	78	75.0	51.6	56	1,454	7 /16	88	78	51.6	55	1,613	902
	Zone - 1-2-4		Peak	468		88	78	75.0	51.6	223	5,818		88	78	51.6	222	6,549	3,544
	Zone - 1-2-4		Block	468	7/15	88	78	75.0	51.6	223	5,818	7 /15	88	78	51.6	223	6,607	3,482
		103 RECEPTION/SCHEDULING	Peak	325	7/15	88	78	75.0	51.6	140	3,651	7 /15	88	78	51.6	140	4,244	2,107
		110 EXAM ROOM 6	Peak	116	7/15	88	78	75.0	51.6	55	1,446	7 /15	88	78	51.6	55	1,646	867
		127 CLEAN STORAGE	Peak	92	7/15	88	78	75.0	51.6	17	436	7 /16	88	78	51.6	16	612	394
		128 COMM	Peak	90	7/15	88	78	75.0	51.6	476	12,427	7 /15	88	78	51.6	476	12,690	362
		132 CORR SOUTH	Peak	166	11/15	75	64	75.0	51.6	82	2,143	9 /15	86	77	51.6	75	2,504	615
	Zone - 1-2-5		Peak	789		86	77	75.0	51.6	770	20,103		87	78	51.6	762	21,695	4,345
	Zone - 1-2-5		Block	789	9/15	86	77	75.0	51.6	756	19,739	8 /15	87	78	51.6	748	21,250	4,372
		104 EXAM ROOM 1	Peak	117	7/15	88	78	75.0	51.6	87	2,274	7 /15	88	78	51.6	87	2,688	871
		129 CORR SOUTH	Peak	155	10/14	82	72	75.0	51.6	61	1,583	9 /14	86	76	51.6	57	2,080	533
	Zone - 1-2-6		Peak	272		86	76	75.0	51.6	148	3,858		86	76	51.6	145	4,768	1,404
	Zone - 1-2-6		Block	272	9/14	86	76	75.0	51.6	137	3,572	9 /14	86	76	51.6	137	4,601	1,337
AHU			Peak	4,466		86	77	75.0	51.6	3,501	91,406		87	78	51.6	3,463	106,269	29,918
AHU			Block	4,466	9/16	86	77	75.0	51.6	3,158	82,446	8 /16	87	78	51.6	3,112	94,210	30,560

System	Zone	Room **	Floor Area ft²	People #	Coil	Coil	Space	Air Changes ach/hr	VAV	VAV Minimum %	Main Coil	Heating	Percent		
					Cooling	Cooling	Design		Minimum		Heating	Fan	Percent OA		
					Sensible Btu/h	Total Btu/h	Max SA cfm		SA cfm		Sensible Btu/h	Max SA cfm			
		112 POC	Rm Peak	20	0.0	123	208	4	1.21	1	30	-102	0	0.0	0.0
		129 CORR NORTH	Rm Peak	77	0.0	1,184	1,492	35	3.06	11	30	-1,484	0	0.0	0.0
	Zone - 1-2-3		Zn Peak	214	2.0	4,133	5,423	135		30		-3,798	0	0.0	0.0
	Zone - 1-2-3		Zn Block	214	2.0	4,064	5,370	132		30		-3,798	0	0.0	0.0
		105 EXAM ROOM 2	Rm Peak	117	2.0	1,665	2,536	56	3.17	17	30	-806	0	0.0	0.0
		106 EXAM ROOM 3	Rm Peak	117	2.0	1,658	2,529	56	3.17	17	30	-806	0	0.0	0.0
		107 EXAMS ROOM 4	Rm Peak	117	2.0	1,613	2,514	56	3.17	17	30	-806	0	0.0	0.0
		108 EXAM ROOM 5	Rm Peak	117	2.0	1,613	2,514	56	3.17	17	30	-806	0	0.0	0.0
	Zone - 1-2-4		Zn Peak	468	8.0	6,549	10,093	223		30		-3,226	0	0.0	0.0
	Zone - 1-2-4		Zn Block	468	8.0	6,607	10,089	223		30		-3,226	0	0.0	0.0
		103 RECEPTION/SCHEDULING	Rm Peak	325	4.0	4,244	6,351	140	2.87	42	30	-2,148	0	0.0	0.0
		110 EXAM ROOM 6	Rm Peak	116	2.0	1,646	2,513	55	3.18	17	30	-801	0	0.0	0.0
		127 CLEAN STORAGE	Rm Peak	92	0.0	612	1,007	17	1.21	5	30	-467	0	0.0	0.0
		128 COMM	Rm Peak	90	0.0	12,690	13,052	476	35.26	143	30	-3,289	0	0.0	0.0
		132 CORR SOUTH	Rm Peak	166	0.0	2,504	3,118	82	3.31	25	30	-1,689	0	0.0	0.0
	Zone - 1-2-5		Zn Peak	789	6.0	21,695	26,040	770		30		-8,394	0	0.0	0.0
	Zone - 1-2-5		Zn Block	789	6.0	21,250	25,622	756		31		-8,394	0	0.0	0.0
		104 EXAM ROOM 1	Rm Peak	117	2.0	2,688	3,559	87	4.96	26	30	-2,447	0	0.0	0.0
		129 CORR SOUTH	Rm Peak	155	0.0	2,080	2,613	61	2.61	18	30	-1,438	0	0.0	0.0
	Zone - 1-2-6		Zn Peak	272	2.0	4,768	6,172	148		30		-3,885	0	0.0	0.0
	Zone - 1-2-6		Zn Block	272	2.0	4,601	5,938	137		32		-3,885	0	0.0	0.0
AHU			Sys Peak	4,466	62.0	106,269	136,188	3,501				-57,066	0	0.0	0.0
AHU			Sys Block	4,466	62.0	94,210	124,770	3,158				-57,066	0	0.0	0.0

\* This report does not display heating only systems.

By RLF

COOLING COIL PEAK					CLG SPACE PEAK		HEATING COIL PEAK			TEMPERATURES		
Peaked at Time:		Mo/Hr: 8 / 17			Mo/Hr: 8 / 17		Mo/Hr: Heating Design			Cooling		Heating
Outside Air:		OADB/WB/HR: 86 / 78 / 131			OADB: 86		OADB: 38			SADB	51.6	94.5
										Ra Plenum	78.4	67.6
										Return	78.4	67.6
										Ret/OA	78.4	67.6
										Fn MtrTD	0.0	0.0
										Fn BldTD	0.0	0.0
										Fn Frict	0.0	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	497	497	5	0	0	Roof Cond	0	-216	5.36		
Glass Solar	1,985	0	1,985	18	1,985	27	Glass Solar	0	0	0.00		
Glass/Door Cond	218	0	218	2	218	3	Glass/Door Cond	-590	-590	14.65		
Wall Cond	2,681	1,097	3,778	35	2,681	37	Wall Cond	-569	-789	19.60		
Partition/Door	0		0	0	0	0	Partition/Door	0	0	0.00		
Floor	0		0	0	0.00	0	Floor	-289	-289	7.17		
Adjacent Floor	0.00	0.00	0.00	0.00	0.00	0.00	Adjacent Floor	0.00	0.00	0.00		
Infiltration	1,130		1,130	10	237	3	Infiltration	-690	-690	17.15		
Sub Total ==>	6,015	1,594	7,609	70	5,122	70	Sub Total ==>	-2,137	-2,574	63.93		
Internal Loads							Internal Loads					
Lights	470	117	587	5	470	6	Lights	0	0	0.00		
People	2,700	0	2,700	25	1,500	20	People	0	0	0.00		
Misc	0	0	0	0	0	0	Misc	0	0	0.00		
Sub Total ==>	3,170	117	3,287	30	1,970	27	Sub Total ==>	0	0	0.00		
Ceiling Load							Ceiling Load					
Ventilation Load	0	-229	0	0	229	3	Ventilation Load	-161	0	0.00		
Adj Air Trans Heat	0	0	0	0	0	0	Adj Air Trans Heat	0	0	0.00		
Dehumid. Ov Sizing			0	0			Ov/Undr Sizing	0	0	0.00		
Ov/Undr Sizing	0		0	0	0	0	Exhaust Heat		51	-1.27		
Exhaust Heat		-73	-73	-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		-1,506	37.40		
Duct Heat Pkup		0	0	0			System Plenum Heat		2	-0.06		
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 ==>	9,414	1,409	10,823	100.00	7,321	100.00	Grand Total ==>	-2,299	-4,026	100.00		
											AIRFLOWS	
											Cooling	Heating
Diffuser											280	84
Terminal											280	84
Main Fan											280	84
Sec Fan											0	0
Nom Vent											0	0
AHU Vent											0	0
Infil											19	19
MinStop/Rh											84	84
Return											300	103
Exhaust											19	19
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											1.30	0.39
cfm/ton											310.91	
ft²/ton											238.38	
Btu/hr·ft²											50.34	-18.72
No. People											6	

COOLING COIL SELECTION										
	Total Capacity ton	Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR °F °F gr/lb			Leave DB/WB/HR °F °F gr/lb			
Main Clg	0.9	10.8	8.7	280	78.4	63.7	65.0	51.6	50.4	52.6
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	0.9	10.8								

AREAS			
	Gross Total	Glass ft²	(%)
Floor	215		
Part	0		
Int Door	0		
ExFlr	18		
Roof	232	0	0
Wall	216	33	15
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-4.0	84	51.6	94.5
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Reheat	-1.7	84	51.6	70.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-4.0			

# Zone Checksums

By RLF

## Zone - 1-1-3

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 16					Mo/Hr: 7 / 15			Mo/Hr: Heating Design					
Outside Air: OADB/WB/HR: 88 / 78 / 133					OADB: 88			OADB: 38					
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	(%)			
<b>Envelope Loads</b>					<b>Envelope Loads</b>								
Skylite Solar	0	0	0	0	0	0	0	0	0	0.00	SADB	51.6	111.1
Skylite Cond	0	0	0	0	0	0	0	0	0	0.00	Ra Plenum	78.8	67.6
Roof Cond	0	2,672	2,672	16	0	0	0	0	-1,045	15.33	Return	78.8	67.6
Glass Solar	0	0	0	0	0	0	0	0	0	0.00	Ret/OA	78.8	67.6
Glass/Door Cond	0	0	0	0	0	0	0	0	0	0.00	Fn MtrTD	0.0	0.0
Wall Cond	0	0	0	0	0	0	0	0	0	0.00	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	-323	-323	4.74			
Adjacent Floor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Infiltration	6,143	6,143	36	36	1,444	16	16	-3,554	-3,554	52.14			
Sub Total ==>	6,143	2,672	8,815	52	1,444	16	16	-3,876	-4,921	72.21			
<b>Internal Loads</b>					<b>Internal Loads</b>								
Lights	2,418	604	3,022	18	2,418	27	27	0	0	0.00			
People	4,500	0	4,500	26	2,500	28	28	0	0	0.00			
Misc	1,188	0	1,188	7	1,188	13	13	0	0	0.00			
Sub Total ==>	8,106	604	8,710	51	6,106	68	68	0	0	0.00			
Ceiling Load	1,325	-1,325	0	0	1,390	16	16	-829	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	0	0	0	0.00			
Ov/Undr Sizing	0	0	0	0	0	0	0	0	0	0.00			
Exhaust Heat	0	-420	-420	-2	0	0	0	0	263	-3.85			
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	-1,838	26.98			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0	-318	4.66			
Supply Air Leakage	0	0	0	0	0	0	0	0	0	0.00			
Grand Total ==>	15,574	1,531	17,105	100.00	8,939	100.00	100.00	-4,706	-6,815	100.00			

AIRFLOWS		
	Cooling	Heating
Diffuser	342	103
Terminal	342	103
Main Fan	342	103
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	100	100
MinStop/Rh	103	103
Return	442	202
Exhaust	100	100
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	0.31	0.09
cfm/ton	240.21	
ft²/ton	776.54	
Btu/hr-ft²	15.45	-6.16
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	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft²	(%)		MBh	cfm	°F	°F
Main Clg	1.4	17.1	10.4	338	78.8	63.9	65.0	51.6	45.7	36.3	Floor	1,107		Main Htg	-6.8	103	51.6	111.1
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	20		Reheat	-2.1	103	51.6	70.0
Total	1.4	17.1									Roof	1,123	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	-6.8			

# Zone Checksums

By RLF

## Zone - 1-1-4

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: 84 / 76 / 125					OADB: 84			OADB: 38					
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	(%)			
<b>Envelope Loads</b>					<b>Envelope Loads</b>								
Skylite Solar	0	0	0	0	0	0	0	0	0	0.00	SADB	51.6	94.7
Skylite Cond	0	0	0	0	0	0	0	0	0	0.00	Ra Plenum	78.1	67.6
Roof Cond	0	1,088	1,088	5	0	0	0	0	-476	5.32	Return	78.1	67.6
Glass Solar	5,355	0	5,355	26	5,355	36	0	0	0	0.00	Ret/OA	78.1	67.6
Glass/Door Cond	566	0	566	3	566	4	0	-1,769	-1,769	19.77	Fn MtrTD	0.0	0.0
Wall Cond	4,883	2,189	7,073	34	4,883	33	0	-1,171	-1,666	18.62	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	-649	-649	7.25			
Adjacent Floor	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00			
Infiltration	1,845	0	1,845	9	367	2	0	-1,249	-1,249	13.95			
Sub Total ==>	12,649	3,277	15,926	77	11,171	74	0	-4,838	-5,810	64.91			
<b>Internal Loads</b>					<b>Internal Loads</b>								
Lights	760	190	950	5	760	5	0	0	0	0.00	<b>AIRFLOWS</b>		
People	2,700	0	2,700	13	1,500	10	0	0	0	0.00		Cooling	Heating
Misc	1,188	0	1,188	6	1,188	8	0	0	0	0.00	Diffuser	575	186
Sub Total ==>	4,648	190	4,838	23	3,448	23	0	0	0	0.00	Terminal	575	186
											Main Fan	575	186
<b>Ceiling Load</b>	383	-383	0	0	383	3	0	-291	0	0.00	Sec Fan	0	0
<b>Ventilation Load</b>	0	0	0	0	0	0	0	0	0	0.00	Nom Vent	0	0
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	0	0	0	0	AHU Vent	0	0
<b>Dehumid. Ov Sizing</b>	0	0	0	0	0	0	0	0	0	0.00	Infil	35	35
<b>Ov/Undr Sizing</b>	0	0	0	0	0	0	0	0	92	-1.03	MinStop/Rh	186	186
<b>Exhaust Heat</b>	-121	-121	-1	0	0	0	0	0	0	0.00	Return	610	221
<b>Sup. Fan Heat</b>	0	0	0	0	0	0	0	0	0	0.00	Exhaust	35	35
<b>Ret. Fan Heat</b>	0	0	0	0	0	0	0	0	0	0.00	Rm Exh	0	0
<b>Duct Heat Pkup</b>	0	0	0	0	0	0	0	0	0	0.00	Auxiliary	0	0
<b>Underflr Sup Ht Pkup</b>	0	0	0	0	0	0	0	0	98	-1.09	Leakage Dwn	0	0
<b>Supply Air Leakage</b>	0	0	0	0	0	0	0	0	0	0.00	Leakage Ups	0	0
Grand Total ==>	17,681	2,962	20,643	100.00	15,002	100.00	Grand Total ==>	-5,129	-8,950	100.00	<b>ENGINEERING CKS</b>		

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	1.7	20.6	18.0	575	78.1	63.6	65.0	51.6	51.3	56.0	Floor	389		Main Htg	-9.0	186	51.6	94.7
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	41		Reheat	-3.8	186	51.6	70.0
Total	1.7	20.6									Roof	512	0	Humidif	0.0	0	0.0	0.0
											Wall	487	99	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	Total	-9.0			



# Zone Checksums

By RLF

## Zone - 1-2-1

COOLING COIL PEAK					CLG SPACE PEAK		HEATING COIL PEAK			TEMPERATURES		
Peaked at Time: Mo/Hr: 10 / 14					Mo/Hr: 11 / 14		Mo/Hr: Heating Design					
Outside Air: OADB/WB/HR: 82 / 72 / 102					OADB: 75		OADB: 38					
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total		Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent			
Btu/h	Btu/h	Btu/h	(%)		Btu/h	(%)	Space Sens	Tot Sens	Of Total			
Envelope Loads					Envelope Loads							
Skylite Solar	0	0	0	0	0	0	0	0	0.00	SADB	51.6	95.7
Skylite Cond	0	0	0	0	0	0	0	0	0.00	Ra Plenum	78.6	67.6
Roof Cond	0	1,480	1,480	7	0	0	0	-518	6.34	Return	78.6	67.6
Glass Solar	1,405	0	1,405	7	1,830	13	0	0	0.00	Ret/OA	78.6	67.6
Glass/Door Cond	121	0	121	1	-10	0	0	-590	7.22	Fn MtrTD	0.0	0.0
Wall Cond	6,589	2,352	8,940	43	7,147	50	0	-1,479	24.23	Fn BldTD	0.0	0.0
Partition/Door	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	-657	8.04			
Adjacent Floor	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00			
Infiltration	1,545	0	1,545	7	-5	0	0	-1,650	20.19			
Sub Total ==>	9,659	3,832	13,491	64	8,962	63	0	-4,375	66.02			
Internal Loads					Internal Loads							
Lights	1,123	281	1,403	7	1,123	8	0	0	0.00			
People	5,400	0	5,400	26	3,000	21	0	0	0.00			
Misc	717	0	717	3	717	5	0	0	0.00			
Sub Total ==>	7,239	281	7,520	36	4,839	34	0	0	0.00			
Ceiling Load	578	-578	0	0	508	4	-385	0	0.00			
Ventilation Load	0	0	0	0	0	0	0	0	0.00			
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0			
Dehumid. Ov Sizing			0	0			0	0	0.00			
Ov/Undr Sizing	140		140	1	0	0	0	122	-1.49			
Exhaust Heat		-183	-183	-1			0	0	0.00			
Sup. Fan Heat		0	0	0			0	0	0.00			
Ret. Fan Heat		0	0	0			0	0	0.00			
Duct Heat Pkup		0	0	0			0	-2,973	36.39			
Underflr Sup Ht Pkup		0	0	0			0	75	-0.91			
Supply Air Leakage		0	0	0			0	0	0.00			
Grand Total ==>	17,617	3,352	20,968	100.00	14,309	100.00	-4,761	-8,172	100.00			

AIRFLOWS		
	Cooling	Heating
Diffuser	548	166
Terminal	548	166
Main Fan	548	166
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	46	46
MinStop/Rh	166	166
Return	594	212
Exhaust	46	46
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	1.07	0.32
cfm/ton	313.68	
ft²/ton	294.16	
Btu/hr-ft²	40.79	-15.90
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	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft²	(%)	MBh	cfm	°F	°F		
Main Clg	1.8	21.0	17.4	537	78.6	63.8	65.0	51.6	50.3	52.2	Floor	514		Main Htg	-8.2	166	51.6	95.7	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	41		Reheat	-3.4	166	51.6	70.0	
											Roof	557	0	0	Humidif	0.0	0	0.0	0.0
											Wall	492	33	7	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	Total	-8.2			

# Zone Checksums

By RLF

## Zone - 1-2-2

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 17					Mo/Hr: 7 / 18			Mo/Hr: Heating Design					
Outside Air: OADB/WB/HR: 87 / 78 / 132					OADB: 85			OADB: 38					
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	(%)			
<b>Envelope Loads</b>					<b>Envelope Loads</b>								
Skylite Solar	0	0	0	0	0	0	0	0	0	0.00	SADB	51.6	132.6
Skylite Cond	0	0	0	0	0	0	0	0	0	0.00	Ra Plenum	78.5	67.6
Roof Cond	0	572	572	9	0	0	0	0	-274	6.19	Return	78.5	67.6
Glass Solar	682	0	682	10	745	18	0	0	0	0.00	Ret/OA	78.5	67.6
Glass/Door Cond	460	0	460	7	407	10	0	-1,179	-1,179	26.67	Fn MtrTD	0.0	0.0
Wall Cond	1,001	425	1,427	22	1,102	26	0	-749	-1,069	24.18	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	-420	-420	9.50			
Adjacent Floor	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00			
Infiltration	1,459	0	1,459	22	273	6	0	-867	-867	19.60			
Sub Total ==>	3,602	997	4,599	71	2,528	59	0	-3,215	-3,809	86.12			
<b>Internal Loads</b>					<b>Internal Loads</b>								
Lights	590	147	737	11	590	14	0	0	0	0.00	<b>AIRFLOWS</b>		
People	900	0	900	14	500	12	0	0	0	0.00		Cooling	Heating
Misc	375	0	375	6	375	9	0	0	0	0.00	Diffuser	163	49
Sub Total ==>	1,865	147	2,013	31	1,465	34	0	0	0	0.00	Terminal	163	49
											Main Fan	163	49
<b>Ceiling Load</b>	298	-298	0	0	260	6	0	-202	0	0.00	Sec Fan	0	0
<b>Ventilation Load</b>	0	0	0	0	0	0	0	0	0	0.00	Nom Vent	0	0
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	0	0	0	0	AHU Vent	0	0
<b>Dehumid. Ov Sizing</b>	0	0	0	0	0	0	0	0	0	0.00	Infil	24	24
<b>Ov/Undr Sizing</b>	0	0	0	0	0	0	0	0	0	0.00	MinStop/Rh	49	49
<b>Exhaust Heat</b>	-94	-94	-1	-1	0	0	0	0	64	-1.45	Return	187	73
<b>Sup. Fan Heat</b>	0	0	0	0	0	0	0	0	0	0.00	Exhaust	24	24
<b>Ret. Fan Heat</b>	0	0	0	0	0	0	0	0	0	0.00	Rm Exh	0	0
<b>Duct Heat Pkup</b>	0	0	0	0	0	0	0	0	0	0.00	Auxiliary	0	0
<b>Underflr Sup Ht Pkup</b>	0	0	0	0	0	0	0	0	0	0.00	Leakage Dwn	0	0
<b>Supply Air Leakage</b>	0	0	0	0	0	0	0	0	0	0.00	Leakage Ups	0	0
Grand Total ==>	5,765	753	6,518	100.00	4,253	100.00	Grand Total ==>	-3,417	-4,423	100.00	<b>ENGINEERING CKS</b>		

COOLING COIL SELECTION										AREAS				HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total		Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.5	6.5	5.0	162	78.5	63.8	65.0	51.6	49.8	50.3	Floor	270		Main Htg	-4.4	49	51.6	132.6	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	26		Reheat	-1.0	49	51.6	70.0	
											Roof	294	0	Humidif	0.0	0	0.0	0.0	
											Wall	315	66	21	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	Total	-4.4			
Total	0.5	6.5																	

By RLF

COOLING COIL PEAK					CLG SPACE PEAK		HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 17			Mo/Hr: 7 / 18		Mo/Hr: Heating Design			Cooling			Heating
Outside Air:		OADB/WB/HR: 87 / 78 / 132			OADB: 85		OADB: 38			SADB			135.9
Space		Plenum		Net	Percent	Space	Percent	Space Peak	Coil Peak	Percent	Ra Plenum	67.6	
Sens. + Lat.		Sens. + Lat		Total	Of Total	Sensible	Of Total	Space Sens	Tot Sens	Of Total	Return	67.6	
Btu/h		Btu/h		Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA	67.6	
Envelope Loads							Envelope Loads						
Skyline Solar	0	0	0	0	0	0	0	Skyline Solar	0	0.00	Fn MtrTD	0.0	
Skyline Cond	0	0	0	0	0	0	0	Skyline Cond	0	0.00	Fn BldTD	0.0	
Roof Cond	0	451	451	8	0	0	0	Roof Cond	-216	5.68	Fn Frict	0.0	
Glass Solar	341	0	341	6	373	11	0	Glass Solar	0	0.00			
Glass/Door Cond	411	0	411	8	364	11	0	Glass/Door Cond	-1,049	27.61			
Wall Cond	848	357	1,205	22	933	27	0	Wall Cond	-634	23.78			
Partition/Door	0		0	0	0	0	0	Partition/Door	0	0.00			
Floor	0		0	0	0.00	0	0	Floor	-440	11.59			
Adjacent Floor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Adjacent Floor	0.00	0.00			
Infiltration	1,155		1,155	22	216	6	0	Infiltration	-686	18.06			
Sub Total ==>	2,754	808	3,562	66	1,886	55	0	Sub Total ==>	-2,809	86.72			
Internal Loads							Internal Loads						
Lights	467	117	583	11	467	13	0	Lights	0	0.00			
People	900	0	900	17	500	14	0	People	0	0.00			
Misc	399	0	399	7	399	12	0	Misc	0	0.00			
Sub Total ==>	1,766	117	1,883	35	1,366	40	0	Sub Total ==>	0	0.00			
Ceiling Load	235	-235	0	0	206	6	-160	Ceiling Load	0	0.00			
Ventilation Load	0	0	0	0	0	0	0	Ventilation Load	0	0.00			
Adj Air Trans Heat	0		0	0	0	0	0	Adj Air Trans Heat	0	0			
Dehumid. Ov Sizing			0	0			0	Ov/Undr Sizing	0	0.00			
Ov/Undr Sizing	0		0	0	0	0	51	Exhaust Heat	-1.33				
Exhaust Heat		-75	-75	-1			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			-723	Additional Reheat	19.03				
Duct Heat Pkup		0	0	0			168	System Plenum Heat	-4.42				
Underflr Sup Ht Pkup			0	0			0	Underflr Sup Ht Pkup	0	0.00			
Supply Air Leakage		0	0	0			0	Supply Air Leakage	0	0.00			
Grand Total ==>	4,755	615	5,370	100.00	3,458	100.00	-2,969	Grand Total ==>	-3,798	100.00			

AIRFLOWS		
	Cooling	Heating
Diffuser	132	40
Terminal	132	40
Main Fan	132	40
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	19	19
MinStop/Rh	40	40
Return	152	60
Exhaust	19	19
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	0.62	0.19
cfm/ton	295.97	
ft²/ton	477.31	
Btu/hr-ft²	25.14	-17.78
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	5.4	4.1	132	78.5	63.8	65.0	51.6	49.7	49.9	Floor	214			Main Htg	-3.8	40	51.6	135.9	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0			Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0			Preheat	0.0	0	0.0	0.0	
											ExFlr	28			Reheat	-0.8	40	51.6	70.0	
											Roof	232	0	0	Humidif	0.0	0	0.0	0.0	
											Wall	243	33	14	Opt Vent	0.0	0	0.0	0.0	
											Ext Door	21	0	0	Total	-3.8				
Total	0.5	5.4																		

# Zone Checksums

By RLF

## Zone - 1-2-4

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 15					Mo/Hr: 7 / 15			Mo/Hr: Heating Design					
Outside Air: OADB/WB/HR: 88 / 78 / 129					OADB: 88			OADB: 38					
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	(%)			
<b>Envelope Loads</b>					<b>Envelope Loads</b>								
Skylite Solar	0	0	0	0	0	0	0	0	0	0.00	SADB	51.6	94.9
Skylite Cond	0	0	0	0	0	0	0	0	0	0.00	Ra Plenum	79.0	67.6
Roof Cond	0	1,307	1,307	13	0	0	0	0	-473	14.65	Return	79.0	67.6
Glass Solar	0	0	0	0	0	0	0	0	0	0.00	Ret/OA	79.0	67.6
Glass/Door Cond	0	0	0	0	0	0	0	0	0	0.00	Fn MtrTD	0.0	0.0
Wall Cond	0	0	0	0	0	0	0	0	0	0.00	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	2,493		2,493	25	610	10	610	-1,502	-1,502	46.58			
Sub Total ==>	2,493	1,307	3,800	38	610	10	610	-1,502	-1,975	61.23			
<b>Internal Loads</b>					<b>Internal Loads</b>								
Lights	1,022	256	1,278	13	1,022	18	1,022	0	0	0.00			
People	3,600	0	3,600	36	2,000	34	2,000	0	0	0.00			
Misc	1,597	0	1,597	16	1,597	27	1,597	0	0	0.00			
Sub Total ==>	6,220	256	6,475	64	4,620	79	4,620	0	0	0.00			
Ceiling Load	588	-588	0	0	588	10	588	-351	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			
Dehumid. Ov Sizing			0	0				0	0	0.00			
Ov/Undr Sizing	0		0	0	0	0	0	0	111	-3.44			
Exhaust Heat		-186	-186	-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	-1,196	37.09			
Underflr Sup Ht Pkup			0	0				0	-165	5.12			
Supply Air Leakage		0	0	0				0	0	0.00			
Grand Total ==>	9,300	789	10,089	100.00	5,818	100.00	5,818	-1,853	-3,226	100.00			

AIRFLOWS		
	Cooling	Heating
Diffuser	223	67
Terminal	223	67
Main Fan	223	67
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	42	42
MinStop/Rh	67	67
Return	265	109
Exhaust	42	42
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	0.48	0.14
cfm/ton	265.05	
ft²/ton	556.64	
Btu/hr-ft²	21.56	-6.89
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	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft²	(%)		MBh	cfm	°F	°F
Main Clg	0.8	10.1	6.6	223	79.0	63.9	65.0	51.6	48.0	44.1	Floor	468		Main Htg	-3.2	67	51.6	94.9
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0		Reheat	-1.4	67	51.6	70.0
Total	0.8	10.1									Roof	508	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	-3.2			

# Zone Checksums

By RLF

## Zone - 1-2-5

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES				
Peaked at Time:		Mo/Hr: 8 / 15			Mo/Hr: 9 / 15			Mo/Hr: Heating Design				Cooling			Heating	
Outside Air:		OADB/WB/HR: 87 / 78 / 129			OADB: 86			OADB: 38				SADB			51.6	84.2
												Ra Plenum			78.9	67.6
												Return			78.9	67.6
												Ret/OA			78.9	67.6
												Fn MtrTD			0.0	0.0
												Fn BldTD			0.0	0.0
												Fn Frict			0.0	0.0
					</											

	Cooling	Heating
SADB	51.6	84.2
Ra Plenum	78.9	67.6
Return	78.9	67.6
Ret/OA	78.9	67.6
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS		
	Cooling	Heating
Diffuser	756	231
Terminal	756	231
Main Fan	756	231
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	71	71
MinStop/Rh	231	231
Return	827	302
Exhaust	71	71
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	0.96	0.29
cfm/ton	354.12	
ft²/ton	369.32	
Btu/hr-ft²	32.49	-10.64
No. People	6	

COOLING COIL SELECTION										AREAS				HEATING COIL SELECTION				
Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	ft²	(%)	Capacity	Coil Airflow	Ent °F	Lvg °F	
ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb					MBh	cfm			
Main Clg	2.1	25.6	21.3	748	78.9	63.9	65.0	51.6	51.5	56.7	Floor	789		Main Htg	-8.4	231	51.6	84.2
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	6		Reheat	-4.7	231	51.6	70.0
Total	2.1	25.6									Roof	896	0	Humidif	0.0	0	0.0	0.0
											Wall	66	16	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	Total	-8.4			

# Zone Checksums

By RLF

## Zone - 1-2-6

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES		
Peaked at Time:		Mo/Hr: 9 / 14			Mo/Hr: 9 / 14		Mo/Hr: Heating Design						
Outside Air:		OADB/WB/HR: 86 / 76 / 120			OADB: 86		OADB: 38						
	Space	Plenum	Net	Percent	Space	Percent		Space Peak	Coil Peak	Percent		Cooling	Heating
	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	SADB	51.6	130.2
Skylite Cond	0	0	0	0	0	0	Skylite Cond	0	0	0.00	Ra Plenum	78.8	67.6
Roof Cond	0	840	840	14	0	0	Roof Cond	0	-275	7.07	Return	78.8	67.6
Glass Solar	0	0	0	0	0	0	Glass Solar	0	0	0.00	Ret/OA	78.8	67.6
Glass/Door Cond	308	0	308	5	308	9	Glass/Door Cond	-918	-918	23.62	Fn MtrTD	0.0	0.0
Wall Cond	1,157	473	1,629	27	1,157	32	Wall Cond	-541	-766	19.70	Fn BldTD	0.0	0.0
Partition/Door	0		0	0	0	0	Partition/Door	0	0	0.00	Fn Frict	0.0	0.0
Floor	0		0	0	0.00	0	Floor	-440	-440	11.33			
Adjacent Floor	0.00	0.00	0.00	0.00	0.00	0.00	Adjacent Floor	0.00	0.00	0.00			
Infiltration	1,223		1,223	21	286	8	Infiltration	-872	-872	22.45			
Sub Total ==>	2,688	1,313	4,001	67	1,751	49	Sub Total ==>	-2,772	-3,270	84.17			
Internal Loads					Internal Loads								
Lights	593	148	742	12	593	17	Lights	0	0	0.00	AIRFLOWS		
People	900	0	900	15	500	14	People	0	0	0.00	Cooling	Heating	
Misc	399	0	399	7	399	11	Misc	0	0	0.00	Diffuser	137	44
Sub Total ==>	1,893	148	2,041	34	1,493	42	Sub Total ==>	0	0	0.00	Terminal	137	44
Ceiling Load	328	-328	0	0	328	9	Ceiling Load	-204	0	0.00	Main Fan	137	44
Ventilation Load	0	0	0	0	0	0	Ventilation Load	0	0	0.00	Sec Fan	0	0
Adj Air Trans Heat	0		0	0	0	0	Adj Air Trans Heat	0	0	0	Nom Vent	0	0
Dehumid. Ov Sizing			0	0			Ov/Undr Sizing	0	0	0.00	AHU Vent	0	0
Ov/Undr Sizing	0		0	0	0	0	Exhaust Heat	64	-1.66		Infil	24	24
Exhaust Heat	-104	-104	-2	-2			OA Preheat Diff.	0	0.00		MinStop/Rh	44	44
Sup. Fan Heat			0	0			RA Preheat Diff.	0	0.00		Return	161	69
Ret. Fan Heat		0	0	0			Additional Reheat	-793	20.42		Exhaust	24	24
Duct Heat Pkup		0	0	0			System Plenum Heat	114	-2.93		Rm Exh	0	0
Underflr Sup Ht Pkup			0	0			Underflr Sup Ht Pkup	0	0.00		Auxiliary	0	0
Supply Air Leakage		0	0	0			Supply Air Leakage	0	0.00		Leakage Dwn	0	0
Grand Total ==>	4,909	1,029	5,938	100.00	3,572	100.00	Grand Total ==>	-2,975	-3,885	100.00	Leakage Ups	0	0
											ENGINEERING CKS		
											Cooling	Heating	
% OA											0.0	0.0	
cfm/ft²											0.50	0.16	
cfm/ton											276.50		
ft²/ton											548.96		
Btu/hr-ft²											21.86	-14.30	
No. People											2		

AIRFLOWS		
	Cooling	Heating
Diffuser	137	44
Terminal	137	44
Main Fan	137	44
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	24	24
MinStop/Rh	44	44
Return	161	69
Exhaust	24	24
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	0.50	0.16
cfm/ton	276.50	
ft²/ton	548.96	
Btu/hr-ft²	21.86	-14.30
No. People	2	

COOLING COIL SELECTION										AREAS				HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass			Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)		MBh	cfm	°F	°F	
Main Clg	0.5	5.9	4.6	137	78.8	63.9	65.0	51.6	48.7	46.5	Floor	272		Main Htg	-3.9	44	51.6	130.2
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	28		Reheat	-0.9	44	51.6	70.0
Total	0.5	5.9									Roof	295	0	Humidif	0.0	0	0.0	0.0
											Wall	178	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	42	0	Total	-3.9			

# Room Checksums

By RLF

101 W TLT

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK					TEMPERATURES			
Peaked at Time: Mo/Hr: 7 / 15					Mo/Hr: 7 / 15			Mo/Hr: Heating Design					Cooling Heating			
Outside Air: OADB/WB/HR: 88 / 78 / 129					OADB: 88			OADB: 38					SADB	51.6	135.1	
	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	137	137	28	0	0	Roof Cond	0	-47	19.88						
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	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	250		250	50	61	27	Infiltration	-151	-151	63.21						
Sub Total ==>	250	137	387	78	61	27	Sub Total ==>	-151	-198	83.09						
Internal Loads							Internal Loads									
Lights	103	26	128	26	103	46	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 ==>	103	26	128	26	103	46	Sub Total ==>	0	0	0.00						
Ceiling Load	59	-59	0	0	59	26	Ceiling Load	-35	0	0.00						
Ventilation Load	0	0	0	0	0	0	Ventilation Load	0	0	0.00						
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		11	-4.67						
Exhaust Heat		-19	-19	-4			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		-46	19.21						
Duct Heat Pkup		0	0	0			System Plenum Heat		-6	2.38						
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 ==>	412	85	497	100.00	223	100.00	Grand Total ==>	-186	-239	100.00						

COOLING COIL SELECTION					AREAS					HEATING COIL SELECTION								
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft²	(%)	MBh	cfm	°F	°F	
Main Clg	0.0	0.5	0.3	9	79.0	63.9	65.0	51.6	42.5	25.9	Floor	47		Main Htg	-0.2	3	51.6	135.1
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0		Reheat	-0.1	3	51.6	70.0
Total	0.0	0.5									Roof	51	0	Humidif	0.0	0	0.0	0.0
											Wall	0	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	Total	-0.2			

Project Name: HealthFirst Medico

Dataset Name: 21184.TRC

TRACE® 700 v6.3.4 calculated at 05:19 PM on 04/11/2022

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# Room Checksums

By RLF

102 M TLT

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 15					Mo/Hr: 7 / 15					Mo/Hr: Heating Design					Cooling Heating		
Outside Air: OADB/WB/HR: 88 / 78 / 129					OADB: 88					OADB: 38					SADB	51.6	135.1
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total		Space Sensible	Percent Of Total				Space Peak	Coil Peak	Percent			Ra Plenum	79.0	67.6
Btu/h	Btu/h	Btu/h	(%)		Btu/h	(%)				Space Sens	Tot Sens	Of Total			Return	79.0	67.6
										Btu/h	Btu/h	(%)			Ret/OA	79.0	67.6
<b>Envelope Loads</b>					<b>Envelope Loads</b>										Fn MtrTD	0.0	0.0
Skylite Solar	0	0	0	0	0	0	0	0	0	0	0	0.00			Fn BldTD	0.0	0.0
Skylite Cond	0	0	0	0	0	0	0	0	0	0	0	0.00			Fn Frict	0.0	0.0
Roof Cond	0	137	137	28	0	0	0	0	0	0	-47	19.88			<b>AIRFLOWS</b>		
Glass Solar	0	0	0	0	0	0	0	0	0	0	0	0.00			Cooling Heating		
Glass/Door Cond	0	0	0	0	0	0	0	0	0	0	0	0.00			Diffuser	9	3
Wall Cond	0	0	0	0	0	0	0	0	0	0	0	0.00			Terminal	9	3
Partition/Door	0	0	0	0	0	0	0	0	0	0	0	0.00			Main Fan	9	3
Floor	0	0	0	0	0.00	0	0	0	0	0	0	0.00			Sec Fan	0	0
Adjacent Floor	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0.00	0.00	0.00			Nom Vent	0	0
Infiltration	250		250	50	61	27				-151	-151	63.21			AHU Vent	0	0
Sub Total ==>	250	137	387	78	61	27				-151	-198	83.09			Infil	4	4
<b>Internal Loads</b>					<b>Internal Loads</b>										MinStop/Rh	3	3
Lights	103	26	128	26	103	46				0	0	0.00			Return	13	7
People	0	0	0	0	0	0				0	0	0.00			Exhaust	4	4
Misc	0	0	0	0	0	0				0	0	0.00			Rm Exh	0	0
Sub Total ==>	103	26	128	26	103	46				0	0	0.00			Auxiliary	0	0
Ceiling Load	59	-59	0	0	59	26				-35	0	0.00			Leakage Dwn	0	0
Ventilation Load	0	0	0	0	0	0				0	0	0.00			Leakage Ups	0	0
Adj Air Trans Heat	0		0	0	0	0				0	0	0			<b>ENGINEERING CKS</b>		
Dehumid. Ov Sizing			0	0						0	0	0.00			Cooling Heating		
Ov/Undr Sizing	0		0	0	0	0					11	-4.67			% OA	0.0	0.0
Exhaust Heat		-19	-19	-4							0	0.00			cfm/ft²	0.18	0.05
Sup. Fan Heat			0	0							0	0.00			cfm/ton	206.41	
Ret. Fan Heat		0	0	0							-46	19.21			ft²/ton	1,135.76	
Duct Heat Pkup		0	0	0							-6	2.38			Btu/hr-ft²	10.57	-5.08
Underflr Sup Ht Pkup			0	0							0	0.00			No. People	0.0	0.0/1000 ft²
Supply Air Leakage		0	0	0							0	0.00					
Grand Total ==>	412	85	497	100.00	223	100.00				-186	-239	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	MBh	cfm	°F	°F				
Main Clg	0.0	0.5	0.3	9	79.0	63.9	65.0	51.6	42.5	25.9	Floor	47	-0.2	3	51.6	135.1		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	0.0	0	0.0	0.0		
											ExFlr	0	-0.1	3	51.6	70.0		
Total	0.0	0.5									Roof	51	0.0	0	0.0	0.0		
											Wall	0	0	0	0.0	0.0		
											Ext Door	0	0	0	0.0	0.0		
											Total	-0.2						



# Room Checksums

By RLF

## 103 RECEPTION/SCHEDULING

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 15					Mo/Hr: 7 / 15			Mo/Hr: Heating Design					
Outside Air: OADB/WB/HR: 88 / 78 / 129					OADB: 88			OADB: 38					
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	(%)			
<b>Envelope Loads</b>					<b>Envelope Loads</b>								
Skylite Solar	0	0	0	0	0	0	0	0	0	0.00	SADB	51.6	97.5
Skylite Cond	0	0	0	0	0	0	0	0	0	0.00	Ra Plenum	79.0	67.6
Roof Cond	0	952	952	15	0	0	0	0	-328	15.25	Return	79.0	67.6
Glass Solar	0	0	0	0	0	0	0	0	0	0.00	Ret/OA	79.0	67.6
Glass/Door Cond	0	0	0	0	0	0	0	0	0	0.00	Fn MtrTD	0.0	0.0
Wall Cond	0	0	0	0	0	0	0	0	0	0.00	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	1,731		1,731	27	424	12	424	-1,043	-1,043	48.57			
Sub Total ==>	1,731	952	2,683	42	424	12	424	-1,043	-1,371	63.81			
<b>Internal Loads</b>					<b>Internal Loads</b>								
Lights	710	177	887	14	710	19	710	0	0	0.00			
People	1,800	0	1,800	28	1,000	27	1,000	0	0	0.00			
Misc	1,109	0	1,109	17	1,109	30	1,109	0	0	0.00			
Sub Total ==>	3,619	177	3,797	60	2,819	77	2,819	0	0	0.00			
Ceiling Load	408	-408	0	0	408	11	408	-244	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			
Dehumid. Ov Sizing			0	0				0	0	0.00			
Ov/Undr Sizing	0		0	0	0	0	0	0	77	-3.59			
Exhaust Heat		-129	-129	-2				0	0	0.00			
Sup. Fan Heat			0	0				0	0	0.00			
Ret. Fan Heat		0	0	0				-751	34.95				
Duct Heat Pkup		0	0	0				-104	4.83				
Underflr Sup Ht Pkup			0	0				0	0	0.00			
Supply Air Leakage		0	0	0				0	0	0.00			
Grand Total ==>	5,758	593	6,351	100.00	3,651	100.00	3,651	-1,287	-2,148	100.00			

COOLING COIL SELECTION										AREAS				HEATING COIL SELECTION				
Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass			Capacity	Coil Airflow	Ent	Lvg	
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft²	(%)		MBh	cfm	°F	°F	
Main Clg	0.5	6.4	4.2	140	79.0	63.9	65.0	51.6	48.0	43.9	Floor	325		Main Htg	-2.2	42	51.6	97.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0		Reheat	-0.9	42	51.6	70.0
Total	0.5	6.4									Roof	352	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	-2.2			

Project Name: HealthFirst Medico

Dataset Name: 21184.TRC

TRACE® 700 v6.3.4 calculated at 05:19 PM on 04/11/2022

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# Room Checksums

By RLF

## 104 EXAM ROOM 1

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES			
Peaked at Time: Mo/Hr: 7 / 15					Mo/Hr: 7 / 15					Mo/Hr: Heating Design					Cooling			Heating
Outside Air: OADB/WB/HR: 88 / 78 / 129					OADB: 88					OADB: 38					SADB	51.6	135.6	
															Ra Plenum	79.0	67.6	
															Return	79.0	67.6	
															Ret/OA	79.0	67.6	
															Fn MtrTD	0.0	0.0	
															Fn BldTD	0.0	0.0	
															Fn Frict	0.0	0.0	
															AIRFLOWS			
															Cooling		Heating	
															Diffuser	87	26	
															Terminal	87	26	
															Main Fan	87	26	
															Sec Fan	0	0	
															Nom Vent	0	0	
															AHU Vent	0	0	
															Infil	11	11	
															MinStop/Rh	26	26	
															Return	98	37	
															Exhaust	11	11	
															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	0.74	0.22	
															cfm/ton	293.76		
															ft²/ton	394.52		
															Btu/hr-ft²	30.42	-20.91	
															No. People	2.0	17.1/1000 ft²	

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK				
Peaked at Time: Mo/Hr: 7 / 15					Mo/Hr: 7 / 15					Mo/Hr: Heating Design				
Outside Air: OADB/WB/HR: 88 / 78 / 129					OADB: 88					OADB: 38				
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total		Space Sensible	Percent Of Total		Space Peak	Coil Peak	Percent				
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	Skylite Solar	0	0	0.00			
Skylite Cond	0	0	0	0	0	0	0	Skylite Cond	0	0	0.00			
Roof Cond	0	340	340	10	0	0	0	Roof Cond	0	-118	4.83			
Glass Solar	0	0	0	0	0	0	0	Glass Solar	0	0	0.00			
Glass/Door Cond	392	0	392	11	392	17	17	Glass/Door Cond	-918	-918	37.50			
Wall Cond	428	203	632	18	428	19	19	Wall Cond	-324	-481	19.65			
Partition/Door	0	0	0	0	0	0	0	Partition/Door	0	0	0.00			
Floor	0	0	0	0	0.00	0	0	Floor	-206	-206	8.40			
Adjacent Floor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Adjacent Floor	0.00	0.00	0.00			
Infiltration	623	623	18	18	153	7	7	Infiltration	-376	-376	15.35			
Sub Total ==>	1,443	543	1,986	56	973	43	43	Sub Total ==>	-1,823	-2,098	85.73			
Internal Loads					Internal Loads									
Lights	256	64	319	9	256	11	11	Lights	0	0	0.00			
People	900	0	900	25	500	22	22	People	0	0	0.00			
Misc	399	0	399	11	399	18	18	Misc	0	0	0.00			
Sub Total ==>	1,555	64	1,619	45	1,155	51	51	Sub Total ==>	0	0	0.00			
Ceiling Load	147	-147	0	0	147	6	6	Ceiling Load	-88	0	0.00			
Ventilation Load	0	0	0	0	0	0	0	Ventilation Load	0	0	0.00			
Adj Air Trans Heat	0	0	0	0	0	0	0	Adj Air Trans Heat	0	0	0			
Dehumid. Ov Sizing		0	0	0				Ov/Undr Sizing	0	0	0.00			
Ov/Undr Sizing	0	0	0	0	0	0	0	Exhaust Heat	28	-1.13				
Exhaust Heat		-47	-47	-1				OA Preheat Diff.	0	0.00				
Sup. Fan Heat		0	0	0				RA Preheat Diff.	0	0.00				
Ret. Fan Heat		0	0	0				Additional Reheat	-468	19.11				
Duct Heat Pkup		0	0	0				System Plenum Heat	91	-3.71				
Underflr Sup Ht Pkup		0	0	0				Underflr Sup Ht Pkup	0	0.00				
Supply Air Leakage		0	0	0				Supply Air Leakage	0	0.00				
Grand Total ==>	3,145	414	3,559	100.00	2,274	100.00	100.00	Grand Total ==>	-1,910	-2,447	100.00			

COOLING COIL SELECTION										AREAS				HEATING COIL SELECTION				
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass			Capacity	Coil Airflow	Ent	Lvg
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft²	(%)		MBh	cfm	°F	°F
Main Clg	0.3	3.6	2.7	87	79.0	63.9	65.0	51.6	49.8	50.4	Floor	117		Main Htg	-2.5	26	51.6	135.6
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	13		Reheat	-0.5	26	51.6	70.0
Total	0.3	3.6									Roof	127	0	Humidif	0.0	0	0.0	0.0
											Wall	112	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	42	0	Total	-2.5			

Project Name: HealthFirst Medico

Dataset Name: 21184.TRC

TRACE® 700 v6.3.4 calculated at 05:19 PM on 04/11/2022

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# Room Checksums

By RLF

## 105 EXAM ROOM 2

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 15					Mo/Hr: 7 / 15					Mo/Hr: Heating Design							
Outside Air: OADB/WB/HR: 88 / 78 / 129					OADB: 88					OADB: 38							
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total		Space Sensible	Percent Of Total				Space Peak	Coil Peak	Percent					
Btu/h	Btu/h	Btu/h	(%)		Btu/h	(%)				Space Sens	Tot Sens	Of Total					
Envelope Loads					Envelope Loads												
Skylite Solar	0	0	0	0	0	0	0	Skylite Solar	0	0	0	0.00			SADB	Cooling	Heating
Skylite Cond	0	0	0	0	0	0	0	Skylite Cond	0	0	0	0.00			Ra Plenum	79.0	67.6
Roof Cond	0	340	340	13	0	0	0	Roof Cond	0	-118	14.65				Return	79.0	67.6
Glass Solar	0	0	0	0	0	0	0	Glass Solar	0	0	0	0.00			Ret/OA	79.0	67.6
Glass/Door Cond	0	0	0	0	0	0	0	Glass/Door Cond	0	0	0	0.00			Fn MtrTD	0.0	0.0
Wall Cond	0	0	0	0	0	0	0	Wall Cond	0	0	0	0.00			Fn BldTD	0.0	0.0
Partition/Door	0	0	0	0	0	0	0	Partition/Door	0	0	0	0.00			Fn Frict	0.0	0.0
Floor	0	0	0	0	0.00	0	0	Floor	0	0	0	0.00					
Adjacent Floor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Adjacent Floor	0.00	0.00	0.00	0.00					
Infiltration	623		623	25	153	10	10	Infiltration	-376	-376	46.58						
Sub Total ==>	623	340	963	38	153	10	10	Sub Total ==>	-376	-494	61.23						
Internal Loads					Internal Loads												
Lights	256	64	319	13	256	18	18	Lights	0	0	0	0.00					
People	900	0	900	35	500	34	34	People	0	0	0	0.00					
Misc	399	0	399	16	399	27	27	Misc	0	0	0	0.00					
Sub Total ==>	1,555	64	1,619	64	1,155	79	79	Sub Total ==>	0	0	0	0.00					
Ceiling Load	147	-147	0	0	147	10	10	Ceiling Load	-88	0	0	0.00					
Ventilation Load	0	0	0	0	0	0	0	Ventilation Load	0	0	0	0.00					
Adj Air Trans Heat	0		0	0	0	0	0	Adj Air Trans Heat	0	0	0	0					
Dehumid. Ov Sizing			0	0				Ov/Undr Sizing	0	0	0	0.00					
Ov/Undr Sizing	0		0	0	0	0	0	Exhaust Heat		28	-3.44						
Exhaust Heat		-47	-47	-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		-299	37.09						
Duct Heat Pkup		0	0	0				System Plenum Heat		-41	5.12						
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 ==>	2,325	211	2,536	100.00	1,454	100.00	100.00	Grand Total ==>	-463	-806	100.00						

COOLING COIL SELECTION										AREAS				HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total		Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.2	2.5	1.7	56	79.0	63.9	65.0	51.6	47.9	43.8	Floor	117		Main Htg	-0.8	17	51.6	94.9	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	0		Reheat	-0.3	17	51.6	70.0	
Total	0.2	2.5									Roof	127	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	-0.8			

# Room Checksums

By RLF

## 106 EXAM ROOM 3

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES				
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: Heating Design					Cooling			Heating	
Outside Air:		OADB/WB/HR: 88 / 78 / 129			OADB: 88		OADB: 38					SADB			94.9	
												Ra Plenum			67.6	
												Return			67.6	
												Ret/OA			67.6	
												Fn MtrTD			0.0	
												Fn BldTD			0.0	
												Fn Frict			0.0	

AIRFLOWS		
	Cooling	Heating
Diffuser	56	17
Terminal	56	17
Main Fan	56	17
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	11	11
MinStop/Rh	17	17
Return	66	27
Exhaust	11	11
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	0.48	0.14
cfm/ton	264.38	
ft²/ton	555.23	
Btu/hr-ft²	21.61	-6.89
No. People	2.0	17.1/1000 ft²

COOLING COIL SELECTION										AREAS				HEATING COIL SELECTION				
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass			Capacity	Coil Airflow	Ent	Lvg
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft²	(%)		MBh	cfm	°F	°F
Main Clg	0.2	2.5	1.7	56	79.0	63.9	65.0	51.6	48.0	43.9	Floor	117		Main Htg	-0.8	17	51.6	94.9
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0		Reheat	-0.3	17	51.6	70.0
Total	0.2	2.5									Roof	127	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	-0.8			

# Room Checksums

By RLF

## 107 EXAMS ROOM 4

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 16					Mo/Hr: 7 / 15					Mo/Hr: Heating Design							
Outside Air: OADB/WB/HR: 88 / 78 / 133					OADB: 88					OADB: 38							
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total		Space Sensible	Percent Of Total				Space Peak	Coil Peak	Percent					
Btu/h	Btu/h	Btu/h	(%)		Btu/h	(%)				Space Sens	Tot Sens	Of Total					
Envelope Loads					Envelope Loads												
Skylite Solar	0	0	0	0	0	0	0	Skylite Solar	0	0	0	0.00			SADB	Cooling	Heating
Skylite Cond	0	0	0	0	0	0	0	Skylite Cond	0	0	0	0.00			Ra Plenum	78.8	67.6
Roof Cond	0	291	291	12	0	0	0	Roof Cond	0	-118	14.65				Return	78.8	67.6
Glass Solar	0	0	0	0	0	0	0	Glass Solar	0	0	0	0.00			Ret/OA	78.8	67.6
Glass/Door Cond	0	0	0	0	0	0	0	Glass/Door Cond	0	0	0	0.00			Fn MtrTD	0.0	0.0
Wall Cond	0	0	0	0	0	0	0	Wall Cond	0	0	0	0.00			Fn BldTD	0.0	0.0
Partition/Door	0	0	0	0	0	0	0	Partition/Door	0	0	0	0.00			Fn Frict	0.0	0.0
Floor	0	0	0	0	0.00	0	0	Floor	0	0	0	0.00					
Adjacent Floor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Adjacent Floor	0.00	0.00	0.00	0.00					
Infiltration	649		649	26	153	10	10	Infiltration	-376	-376	46.58						
Sub Total ==>	649	291	940	37	153	10	10	Sub Total ==>	-376	-494	61.23						
Internal Loads					Internal Loads												
Lights	256	64	319	13	256	18	18	Lights	0	0	0	0.00					
People	900	0	900	36	500	34	34	People	0	0	0	0.00					
Misc	399	0	399	16	399	27	27	Misc	0	0	0	0.00					
Sub Total ==>	1,555	64	1,619	64	1,155	79	79	Sub Total ==>	0	0	0	0.00					
Ceiling Load	140	-140	0	0	147	10	10	Ceiling Load	-88	0	0	0.00					
Ventilation Load	0	0	0	0	0	0	0	Ventilation Load	0	0	0	0.00					
Adj Air Trans Heat	0		0	0	0	0	0	Adj Air Trans Heat	0	0	0	0					
Dehumid. Ov Sizing			0	0				Ov/Undr Sizing	0	0	0	0.00					
Ov/Undr Sizing	0		0	0	0	0	0	Exhaust Heat		28	-3.44						
Exhaust Heat		-44	-44	-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		-299	37.09						
Duct Heat Pkup		0	0	0				System Plenum Heat		-41	5.12						
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 ==>	2,344	170	2,514	100.00	1,454	100.00	100.00	Grand Total ==>	-463	-806	100.00						

COOLING COIL SELECTION										AREAS				HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total		Glass			Capacity	Coil Airflow	Ent	Lvg
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft²	(%)		MBh	cfm	°F	°F	
Main Clg	0.2	2.5	1.6	55	78.8	63.9	65.0	51.6	47.9	43.5	Floor	117		Main Htg	-0.8	17	51.6	94.9	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	0		Reheat	-0.3	17	51.6	70.0	
Total	0.2	2.5									Roof	127	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	-0.8			

# Room Checksums

By RLF

## 108 EXAM ROOM 5

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES					
Peaked at Time: Mo/Hr: 7 / 16					Mo/Hr: 7 / 15			Mo/Hr: Heating Design			Cooling			Heating		
Outside Air: OADB/WB/HR: 88 / 78 / 133					OADB: 88			OADB: 38			SADB			51.6	94.9	
											Ra Plenum			78.8	67.6	
											Return			78.8	67.6	
											Ret/OA			78.8	67.6	
											Fn MtrTD			0.0	0.0	
											Fn BldTD			0.0	0.0	
											Fn Frict			0.0	0.0	

AIRFLOWS		
	Cooling	Heating
Diffuser	56	17
Terminal	56	17
Main Fan	56	17
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	11	11
MinStop/Rh	17	17
Return	66	27
Exhaust	11	11
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	0.48	0.14
cfm/ton	265.88	
ft²/ton	558.39	
Btu/hr-ft²	21.49	-6.89
No. People	2.0	17.1/1000 ft²

COOLING COIL SELECTION										AREAS				HEATING COIL SELECTION				
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass			Capacity	Coil Airflow	Ent	Lvg
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft²	(%)		MBh	cfm	°F	°F
Main Clg	0.2	2.5	1.6	55	78.8	63.9	65.0	51.6	47.9	43.5	Floor	117		Main Htg	-0.8	17	51.6	94.9
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0		Reheat	-0.3	17	51.6	70.0
Total	0.2	2.5									Roof	127	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	-0.8			

# Room Checksums

By RLF

## 109 PROVIDER OFF

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 17					Mo/Hr: 6 / 18			Mo/Hr: Heating Design					
Outside Air: OADB/WB/HR: 87 / 78 / 132					OADB: 81			OADB: 38					
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	(%)			
<b>Envelope Loads</b>					<b>Envelope Loads</b>								
Skylite Solar	0	0	0	0	0	0	0	0	0	0.00	SADB	51.6	120.6
Skylite Cond	0	0	0	0	0	0	0	0	0	0.00	Ra Plenum	78.5	67.6
Roof Cond	0	247	247	7	0	0	0	0	-118	5.34	Return	78.5	67.6
Glass Solar	341	0	341	9	461	18	0	0	0	0.00	Ret/OA	78.5	67.6
Glass/Door Cond	230	0	230	6	128	5	0	-590	-590	26.65	Fn MtrTD	0.0	0.0
Wall Cond	486	208	694	19	574	23	0	-363	-520	23.52	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	-206	-206	9.29			
Adjacent Floor	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00			
Infiltration	632	632	632	17	74	3	0	-376	-376	16.98			
Sub Total ==>	1,689	455	2,144	58	1,237	49	0	-1,534	-1,810	81.78			
<b>Internal Loads</b>					<b>Internal Loads</b>								
Lights	256	64	319	9	256	10	0	0	0	0.00	<b>AIRFLOWS</b>		
People	900	0	900	24	500	20	0	0	0	0.00		Cooling	Heating
Misc	399	0	399	11	399	16	0	0	0	0.00	Diffuser	96	29
Sub Total ==>	1,555	64	1,619	43	1,155	46	0	0	0	0.00	Terminal	96	29
											Main Fan	96	29
<b>Ceiling Load</b>	129	-129	0	0	110	4	<b>Ceiling Load</b>	-88	0	0.00	Sec Fan	0	0
<b>Ventilation Load</b>	0	0	0	0	0	0	<b>Ventilation Load</b>	0	0	0.00	Nom Vent	0	0
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	<b>Adj Air Trans Heat</b>	0	0	0	AHU Vent	0	0
<b>Dehumid. Ov Sizing</b>	0	0	0	0	0	0	<b>Ov/Undr Sizing</b>	0	0	0.00	Infil	11	11
<b>Ov/Undr Sizing</b>	0	0	0	0	0	0	<b>Exhaust Heat</b>	0	28	-1.25	MinStop/Rh	29	29
<b>Exhaust Heat</b>	-41	-41	-1	-1	0	0	<b>OA Preheat Diff.</b>	0	0	0.00	Return	106	39
<b>Sup. Fan Heat</b>	0	0	0	0	0	0	<b>RA Preheat Diff.</b>	0	0	0.00	Exhaust	11	11
<b>Ret. Fan Heat</b>	0	0	0	0	0	0	<b>Additional Reheat</b>	-515	23.26		Rm Exh	0	0
<b>Duct Heat Pkup</b>	0	0	0	0	0	0	<b>System Plenum Heat</b>	84	-3.79		Auxiliary	0	0
<b>Underflr Sup Ht Pkup</b>	0	0	0	0	0	0	<b>Underflr Sup Ht Pkup</b>	0	0	0.00	Leakage Dwn	0	0
<b>Supply Air Leakage</b>	0	0	0	0	0	0	<b>Supply Air Leakage</b>	0	0	0.00	Leakage Ups	0	0
<b>Grand Total ==&gt;</b>	3,373	349	3,722	100.00	2,503	100.00	<b>Grand Total ==&gt;</b>	-1,622	-2,213	100.00	<b>ENGINEERING CKS</b>		

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			ft² (%)	MBh	MBh	cfm	°F	°F			
					gr/lb	gr/lb											
Main Clg	0.3	3.7	2.8	95	78.5	63.8	65.0	51.6	50.2	51.9	Floor	117	-2.2	29	51.6	120.6	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	0.0	0	0.0	0.0	
											ExFlr	13	-0.6	29	51.6	70.0	
<b>Total</b>	0.3	3.7									Roof	127	0.0	0	0.0	0.0	
											Wall	154	0.0	0	0.0	0.0	
											Ext Door	0	0.0	0	0.0	0.0	
											<b>Total</b>	-2.2					

# Room Checksums

By RLF

## 110 EXAM ROOM 6

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 15					Mo/Hr: 7 / 15			Mo/Hr: Heating Design					
Outside Air: OADB/WB/HR: 88 / 78 / 129					OADB: 88			OADB: 38					
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	(%)			
<b>Envelope Loads</b>					<b>Envelope Loads</b>								
Skylite Solar	0	0	0	0	0	0	0	0	0	0.00	SADB	51.6	94.8
Skylite Cond	0	0	0	0	0	0	0	0	0	0.00	Ra Plenum	79.0	67.6
Roof Cond	0	328	328	13	0	0	0	0	-117	14.65	Return	79.0	67.6
Glass Solar	0	0	0	0	0	0	0	0	0	0.00	Ret/OA	79.0	67.6
Glass/Door Cond	0	0	0	0	0	0	0	0	0	0.00	Fn MtrTD	0.0	0.0
Wall Cond	0	0	0	0	0	0	0	0	0	0.00	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	618	618	618	25	151	10	10	-372	-372	46.52			
Sub Total ==>	618	328	946	38	151	10	10	-372	-490	61.16			
<b>Internal Loads</b>					<b>Internal Loads</b>								
Lights	253	63	317	13	253	18	18	0	0	0.00			
People	900	0	900	36	500	35	35	0	0	0.00			
Misc	396	0	396	16	396	27	27	0	0	0.00			
Sub Total ==>	1,549	63	1,613	64	1,149	79	79	0	0	0.00			
Ceiling Load	146	-146	0	0	146	10	10	-87	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	0	0	0	0.00			
Ov/Undr Sizing	0	0	0	0	0	0	0	0	28	-3.44			
Exhaust Heat	0	-46	-46	-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	-297	37.15			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0	-41	5.12			
Supply Air Leakage	0	0	0	0	0	0	0	0	0	0.00			
Grand Total ==>	2,313	200	2,513	100.00	1,446	100.00	100.00	-459	-801	100.00			

AIRFLOWS		
	Cooling	Heating
Diffuser	55	17
Terminal	55	17
Main Fan	55	17
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	10	10
MinStop/Rh	17	17
Return	66	27
Exhaust	10	10
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	0.48	0.14
cfm/ton	264.56	
ft²/ton	553.98	
Btu/hr-ft²	21.66	-6.90
No. People	2.0	17.2/1000 ft²

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft²	(%)	MBh	cfm	°F	°F
Main Clg	0.2	2.5	1.7	55	79.0	63.9	65.0	51.6	48.0	44.0	Floor	116		-0.8	17	51.6	94.8
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		0.0	0	0.0	0.0
											ExFlr	0		-0.3	17	51.6	70.0
Total	0.2	2.5									Roof	126	0	0.0	0	0.0	0.0
											Wall	0	0	0.0	0	0.0	0.0
											Ext Door	0	0	0.0	0	0.0	0.0
											Total			-0.8			



# Room Checksums

By RLF

## 111 TEAM STATION

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 16					Mo/Hr: 7 / 15			Mo/Hr: Heating Design					
Outside Air: OADB/WB/HR: 88 / 78 / 133					OADB: 88			OADB: 38					
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
<b>Envelope Loads</b>					<b>Envelope Loads</b>								
Skylite Solar	0	0	0	0	0	0	0	0	0	0.00	SADB	51.6	90.9
Skylite Cond	0	0	0	0	0	0	0	0	0	0.00	Ra Plenum	78.8	67.6
Roof Cond	0	373	373	10	0	0	0	0	-152	13.56	Return	78.8	67.6
Glass Solar	0	0	0	0	0	0	0	0	0	0.00	Ret/OA	78.8	67.6
Glass/Door Cond	0	0	0	0	0	0	0	0	0	0.00	Fn MtrTD	0.0	0.0
Wall Cond	0	0	0	0	0	0	0	0	0	0.00	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	832		832	22	196	9	0	-482	-482	43.05			
Sub Total ==>	832	373	1,205	31	196	9	0	-482	-633	56.61			
<b>Internal Loads</b>					<b>Internal Loads</b>								
Lights	328	82	410	11	328	15	0	0	0	0.00			
People	1,800	0	1,800	47	1,000	45	0	0	0	0.00			
Misc	512	0	512	13	512	23	0	0	0	0.00			
Sub Total ==>	2,640	82	2,722	70	1,840	83	0	0	0	0.00			
Ceiling Load	180	-180	0	0	188	8	0	-112	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			
Dehumid. Ov Sizing			0	0			0	0	0	0.00			
Ov/Undr Sizing	0		0	0	0	0	0	0	36	-3.18			
Exhaust Heat		-57	-57	-1			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	-457	40.88				
Underflr Sup Ht Pkup			0	0			0	-64	5.69				
Supply Air Leakage		0	0	0			0	0	0	0.00			
Grand Total ==>	3,652	218	3,870	100.00	2,224	100.00	Grand Total ==>	-594	-1,119	100.00			

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	3.9	2.4	85	78.8	63.9	65.0	51.6	47.8	43.1	Floor	150		Main Htg	-1.1	26	51.6	90.9
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0		Reheat	-0.5	26	51.6	70.0
Total	0.3	3.9									Roof	163	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	-1.1			

# Room Checksums

By RLF

112 POC

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 16					Mo/Hr: 7 / 15			Mo/Hr: Heating Design					
Outside Air: OADB/WB/HR: 88 / 78 / 133					OADB: 88			OADB: 38					
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
<b>Envelope Loads</b>					<b>Envelope Loads</b>			<b>Envelope Loads</b>					
Skylite Solar	0	0	0	0	0	0	0	0	0	0.00	SADB	51.6	135.1
Skylite Cond	0	0	0	0	0	0	0	0	0	0.00	Ra Plenum	78.8	67.6
Roof Cond	0	50	50	24	0	0	0	0	-20	20.15	Return	78.8	67.6
Glass Solar	0	0	0	0	0	0	0	0	0	0.00	Ret/OA	78.8	67.6
Glass/Door Cond	0	0	0	0	0	0	0	0	0	0.00	Fn MtrTD	0.0	0.0
Wall Cond	0	0	0	0	0	0	0	0	0	0.00	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	111		111	53	26	27	0	-64	-64	63.21			
Sub Total ==>	111	50	161	77	26	27	0	-64	-85	83.35			
<b>Internal Loads</b>					<b>Internal Loads</b>			<b>Internal Loads</b>					
Lights	44	11	55	26	44	46	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 ==>	44	11	55	26	44	46	0	0	0	0.00			
Ceiling Load	24	-24	0	0	25	26	-15	0	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			
Dehumid. Ov Sizing			0	0			0	0	0	0.00			
Ov/Undr Sizing	0		0	0	0	0	0	5	-4.68				
Exhaust Heat		-8	-8	-4			0	0	0	0.00			
Sup. Fan Heat			0	0			0	0	0	0.00			
Ret. Fan Heat		0	0	0			0	-20	19.21				
Duct Heat Pkup		0	0	0			0	-2	2.11				
Underflr Sup Ht Pkup			0	0			0	0	0	0.00			
Supply Air Leakage		0	0	0			0	0	0	0.00			
Grand Total ==>	179	30	208	100.00	95	100.00	-79	-102	100.00				

COOLING COIL SELECTION										AREAS				HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total		Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb			ft²	(%)	MBh	cfm	°F	°F	
Main Clg	0.0	0.2	0.1	4	78.8	63.9	65.0	51.6	42.2	25.0	Floor	20			Main Htg	-0.1	1	51.6	135.1
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0			Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0			Preheat	0.0	0	0.0	0.0
											ExFlr	0			Reheat	0.0	1	51.6	70.0
Total	0.0	0.2									Roof	22	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			

# Room Checksums

By RLF

113 ELEC

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 15					Mo/Hr: 6 / 18			Mo/Hr: Heating Design					
Outside Air: OADB/WB/HR: 88 / 78 / 129					OADB: 81			OADB: 38					
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	(%)			
<b>Envelope Loads</b>					<b>Envelope Loads</b>			<b>Envelope Loads</b>					
Skylite Solar	0	0	0	0	0	0	0	0	0	0.00	SADB	51.6	114.0
Skylite Cond	0	0	0	0	0	0	0	0	0	0.00	Ra Plenum	79.0	67.6
Roof Cond	0	150	150	11	0	0	0	0	-56	7.58	Return	79.0	67.6
Glass Solar	0	0	0	0	0	0	0	0	0	0.00	Ret/OA	79.0	67.6
Glass/Door Cond	0	0	0	0	0	0	0	0	0	0.00	Fn MtrTD	0.0	0.0
Wall Cond	284	86	369	28	339	37	0	-214	-281	38.12	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	-87	-87	11.78			
Adjacent Floor	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00			
Infiltration	293	293	22	22	35	4	0	-177	-177	23.98			
Sub Total ==>	577	235	812	62	374	41	0	-478	-600	81.46			
<b>Internal Loads</b>					<b>Internal Loads</b>			<b>Internal Loads</b>					
Lights	120	30	150	11	120	13	0	0	0	0.00			
People	0	0	0	0	0	0	0	0	0	0.00			
Misc	375	0	375	29	375	41	0	0	0	0.00			
Sub Total ==>	496	30	526	40	496	54	0	0	0	0.00			
Ceiling Load	69	-69	0	0	52	6	0	-41	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	0	0	0	0.00			
Ov/Undr Sizing	0	0	0	0	0	0	0	0	13	-1.77			
Exhaust Heat	0	-22	-22	-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	-189	25.73			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0	40	-5.42			
Supply Air Leakage	0	0	0	0	0	0	0	0	0	0.00			
Grand Total ==>	1,141	175	1,316	100.00	921	100.00	Grand Total ==>	-519	-736	100.00			

TEMPERATURES		
	Cooling	Heating
SADB	51.6	114.0
Ra Plenum	79.0	67.6
Return	79.0	67.6
Ret/OA	79.0	67.6
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS		
	Cooling	Heating
Diffuser	35	11
Terminal	35	11
Main Fan	35	11
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	5	5
MinStop/Rh	11	11
Return	40	16
Exhaust	5	5
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	0.19
cfm/ton	321.71	
ft²/ton	501.56	
Btu/hr-ft²	23.93	-13.39
No. People	0.0	0.0/1000 ft²

COOLING COIL SELECTION									
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	0.1	1.3	1.1	35	79.0	63.9	65.0	51.6	51.2
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0
Total	0.1	1.3							

AREAS			
	Gross Total	Glass	(%)
		ft²	
Floor	55		
Part	0		
Int Door	0		
ExFlr	5		
Roof	60	0	0
Wall	65	0	0
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	-0.7	11	51.6	114.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Reheat	-0.2	11	51.6	70.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-0.7			

# Room Checksums

By RLF

114 EVS

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES			
Peaked at Time: Mo/Hr: 7 / 17					Mo/Hr: 6 / 18			Mo/Hr: Heating Design			Cooling			Heating
Outside Air: OADB/WB/HR: 87 / 78 / 132					OADB: 81			OADB: 38			SADB			152.0
											Ra Plenum			67.6
											Return			67.6
											Ret/OA			67.6
											Fn MtrTD			0.0
											Fn BldTD			0.0
											Fn Frict			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	°F	°F			ft² (%)	MBh	cfm	°F	°F				
gr/lb																	
Main Clg	0.1	1.4	1.2	37	78.5	63.8	65.0	51.6	51.0	54.7	Floor	57	-1.3	11	51.6	152.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	0.0	0	0.0	0.0	
											ExFlr	7	-0.2	11	51.6	70.0	
Total	0.1	1.4									Roof	62	0.0	0	0.0	0.0	
											Wall	79	33	42	0.0	0.0	
											Ext Door	0	0	0	0.0	0.0	
											Total	-1.3					

By RLF

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15				Mo/Hr: Heating Design		Cooling		Heating	
Outside Air:		OADB/WB/HR: 88 / 78 / 129			OADB: 88				OADB: 38					
	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	152	152	17	0	0	Roof Cond	0	-57	9.53				
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	240	72	312	35	240	47	Wall Cond	-181	-237	39.83				
Partition/Door	0		0	0	0	0	Partition/Door	0	0	0.00				
Floor	0		0	0	0.00	0	Floor	-73	-73	12.31				
Adjacent Floor	0.00	0.00	0.00	0.00	0.00	0.00	Adjacent Floor	0.00	0.00	0.00				
Infiltration	298		298	33	73	14	Infiltration	-180	-180	30.19				
Sub Total ==>	538	225	763	85	313	62	Sub Total ==>	-434	-547	91.86				
Internal Loads							Internal Loads							
Lights	122	31	153	17	122	24	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 ==>	122	31	153	17	122	24	Sub Total ==>	0	0	0.00				
Ceiling Load	70	-70	0	0	70	14	Ceiling Load	-42	0	0.00				
Ventilation Load	0	0	0	0	0	0	Ventilation Load	0	0	0.00				
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		13	-2.23				
Exhaust Heat		-22	-22	-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		-104	17.45				
Duct Heat Pkup		0	0	0			System Plenum Heat		42	-7.08				
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 ==>	731	163	893	100.00	505	100.00	Grand Total ==>	-476	-596	100.00				

AIRFLOWS		
	Cooling	Heating
Diffuser	19	6
Terminal	19	6
Main Fan	19	6
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	5	5
MinStop/Rh	6	6
Return	24	11
Exhaust	5	5
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	0.35	0.10
cfm/ton	260.05	
ft²/ton	752.22	
Btu/hr-ft²	15.95	-10.63
No. People	0.0	0.0/1000 ft²

COOLING COIL SELECTION											AREAS				HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total		Glass		Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb			ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.1	0.9	0.7	19	79.0	63.9	65.0	51.6	47.7	42.9	Floor	56			Main Htg	-0.6	6	51.6	143.6	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0			Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0			Preheat	0.0	0	0.0	0.0	
											ExFlr	5			Reheat	-0.1	6	51.6	70.0	
											Roof	61	0	0	Humidif	0.0	0	0.0	0.0	
											Wall	55	0	0	Opt Vent	0.0	0	0.0	0.0	
											Ext Door	0	0	0	Total	-0.6				
Total	0.1	0.9																		

# Room Checksums

By RLF

116 MANAGER OFF

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 17					Mo/Hr: 7 / 18			Mo/Hr: Heating Design					
Outside Air: OADB/WB/HR: 87 / 78 / 132					OADB: 85			OADB: 38					
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	(%)			
<b>Envelope Loads</b>					<b>Envelope Loads</b>								
Skylite Solar	0	0	0	0	0	0	0	0	0	0.00	SADB	51.6	128.5
Skylite Cond	0	0	0	0	0	0	0	0	0	0.00	Ra Plenum	78.5	67.6
Roof Cond	0	216	216	7	0	0	0	0	-103	5.67	Return	78.5	67.6
Glass Solar	341	0	341	12	373	20	0	0	0	0.00	Ret/OA	78.5	67.6
Glass/Door Cond	230	0	230	8	204	11	0	-590	-590	32.36	Fn MtrTD	0.0	0.0
Wall Cond	318	157	474	16	350	19	0	-238	-356	19.52	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	-155	-155	8.49			
Adjacent Floor	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00			
Infiltration	551	551	551	19	103	6	0	-327	-327	17.97			
Sub Total ==>	1,440	373	1,812	61	1,029	56	0	-1,309	-1,531	84.00			
<b>Internal Loads</b>					<b>Internal Loads</b>								
Lights	223	56	279	9	223	12	0	0	0	0.00	<b>AIRFLOWS</b>		
People	900	0	900	30	500	27	0	0	0	0.00		Cooling	Heating
Misc	0	0	0	0	0	0	0	0	0	0.00	Diffuser	71	21
Sub Total ==>	1,123	56	1,179	40	723	39	0	0	0	0.00	Terminal	71	21
											Main Fan	71	21
<b>Ceiling Load</b>	112	-112	0	0	98	5	<b>Ceiling Load</b>	-76	0	0.00	Sec Fan	0	0
<b>Ventilation Load</b>	0	0	0	0	0	0	<b>Ventilation Load</b>	0	0	0.00	Nom Vent	0	0
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	<b>Adj Air Trans Heat</b>	0	0	0	AHU Vent	0	0
<b>Dehumid. Ov Sizing</b>			0	0			<b>Ov/Undr Sizing</b>	0	0	0.00	Infil	9	9
<b>Ov/Undr Sizing</b>	0		0	0	0	0	<b>Exhaust Heat</b>		24	-1.33	MinStop/Rh	21	21
<b>Exhaust Heat</b>		-36	-36	-1			<b>OA Preheat Diff.</b>		0	0.00	Return	80	30
<b>Sup. Fan Heat</b>			0	0			<b>RA Preheat Diff.</b>		0	0.00	Exhaust	9	9
<b>Ret. Fan Heat</b>			0	0			<b>Additional Reheat</b>		-381	20.88	Rm Exh	0	0
<b>Duct Heat Pkup</b>			0	0			<b>System Plenum Heat</b>		65	-3.55	Auxiliary	0	0
<b>Underflr Sup Ht Pkup</b>			0	0			<b>Underflr Sup Ht Pkup</b>		0	0.00	Leakage Dwn	0	0
<b>Supply Air Leakage</b>			0	0			<b>Supply Air Leakage</b>		0	0.00	Leakage Ups	0	0
<b>Grand Total ==&gt;</b>	2,675	280	2,955	100.00	1,850	100.00	<b>Grand Total ==&gt;</b>	-1,386	-1,823	100.00	<b>ENGINEERING CKS</b>		

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	3.0	2.1	71	78.5	63.8	65.0	51.6	49.2	48.1	Floor	102	Main Htg	-1.8	21	51.6	128.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
											ExFlr	10	Reheat	-0.4	21	51.6	70.0
<b>Total</b>	0.3	3.0									Roof	111	Humidif	0.0	0	0.0	0.0
											Wall	116	Opt Vent	0.0	0	0.0	0.0
												28	<b>Total</b>	-1.8			
											Ext Door	0					

# Room Checksums

By RLF

## 117 BREAK ROOM

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 17					Mo/Hr: 7 / 18			Mo/Hr: Heating Design					
Outside Air: OADB/WB/HR: 87 / 78 / 132					OADB: 85			OADB: 38					
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	(%)			
<b>Envelope Loads</b>					<b>Envelope Loads</b>								
Skylite Solar	0	0	0	0	0	0	0	0	0	0.00	SADB	51.6	112.2
Skylite Cond	0	0	0	0	0	0	0	0	0	0.00	Ra Plenum	78.5	67.6
Roof Cond	0	389	389	5	0	0	0	0	-186	4.80	Return	78.5	67.6
Glass Solar	341	0	341	4	373	7	7	0	0	0.00	Ret/OA	78.5	67.6
Glass/Door Cond	411	0	411	5	364	7	7	-1,049	-1,049	27.02	Fn MtrTD	0.0	0.0
Wall Cond	784	337	1,122	14	863	17	17	-586	-841	21.67	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	-333	-333	8.58			
Adjacent Floor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Infiltration	1,000		1,000	13	187	4	4	-594	-594	15.30			
Sub Total ==>	2,536	726	3,262	41	1,787	36	36	-2,562	-3,003	77.37			
<b>Internal Loads</b>					<b>Internal Loads</b>								
Lights	404	101	505	6	404	8	8	0	0	0.00	<b>AIRFLOWS</b>		
People	3,600	0	3,600	45	2,000	40	40	0	0	0.00		Cooling	Heating
Misc	631	0	631	8	631	13	13	0	0	0.00	Diffuser	192	57
Sub Total ==>	4,636	101	4,737	60	3,036	61	61	0	0	0.00	Terminal	192	57
											Main Fan	192	57
<b>Ceiling Load</b>	204	-204	0	0	178	4	4	-139	0	0.00	Sec Fan	0	0
<b>Ventilation Load</b>	0	0	0	0	0	0	0	0	0	0.00	Nom Vent	0	0
<b>Adj Air Trans Heat</b>	0		0	0	0	0	0	0	0	0	AHU Vent	0	0
<b>Dehumid. Ov Sizing</b>			0	0							Infil	17	17
<b>Ov/Undr Sizing</b>	0		0	0	0	0	0	0	0	0.00	MinStop/Rh	57	57
<b>Exhaust Heat</b>		-65	-65	-1				0	44	-1.13	Return	208	74
<b>Sup. Fan Heat</b>		0	0	0				0	0	0.00	Exhaust	17	17
<b>Ret. Fan Heat</b>		0	0	0				0	0	0.00	Rm Exh	0	0
<b>Duct Heat Pkup</b>		0	0	0				0	0	0.00	Auxiliary	0	0
<b>Underflr Sup Ht Pkup</b>		0	0	0				0	0	0.00	Leakage Dwn	0	0
<b>Supply Air Leakage</b>		0	0	0				0	0	0.00	Leakage Ups	0	0
Grand Total ==>	7,375	559	7,934	100.00	5,001	100.00	100.00	-2,701	-3,881	100.00	<b>ENGINEERING CKS</b>		

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	0.7	7.9	5.6	191	78.5 63.8	65.0	51.6 49.3	48.7		Floor	185		Main Htg	-3.9	57	51.6	112.2
Aux Clg	0.0	0.0	0.0	0	0.0 0.0	0.0	0.0 0.0	0.0		Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0 0.0	0.0	0.0 0.0	0.0		Int Door	0		Preheat	0.0	0	0.0	0.0
										ExFlr	21		Reheat	-1.2	57	51.6	70.0
Total	0.7	7.9								Roof	200	0	Humidif	0.0	0	0.0	0.0
										Wall	229	33	Opt Vent	0.0	0	0.0	0.0
										Ext Door	21	0	Total	-3.9			

# Room Checksums

By RLF

118 S TLT

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES				
Peaked at Time: Mo/Hr: 7 / 18					Mo/Hr: 7 / 18			Mo/Hr: Heating Design			Cooling			Heating	
Outside Air: OADB/WB/HR: 85 / 77 / 127					OADB: 85			OADB: 38			SADB			51.6	112.0
											Ra Plenum			78.0	67.6
											Return			78.0	67.6
											Ret/OA			78.0	67.6
											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	°F	°F			ft² (%)	MBh	MBh	cfm	°F	°F			
			gr/lb		gr/lb												
Main Clg	0.2	2.9	2.7	74	78.0	63.6	65.0	51.6	50.1	51.4	Floor	44	-1.5	22	51.6	112.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	0.0	0	0.0	0.0	
											ExFlr	16	-0.5	22	51.6	70.0	
Total	0.2	2.9									Roof	128	0.0	0	0.0	0.0	
											Wall	187	0.0	0	0.0	0.0	
											Ext Door	0	0.0	0	0.0	0.0	
											Total	-1.5					

Project Name: HealthFirst Medico

Dataset Name: 21184.TRC

TRACE® 700 v6.3.4 calculated at 05:19 PM on 04/11/2022

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# Room Checksums

By RLF

119 CONF/CONSULT

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time: Mo/Hr: 8 / 17					Mo/Hr: 8 / 17					Mo/Hr: Heating Design							
Outside Air: OADB/WB/HR: 86 / 78 / 131					OADB: 86					OADB: 38							
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total		Space Sensible	Percent Of Total				Space Peak	Coil Peak	Percent					
Btu/h	Btu/h	Btu/h	(%)		Btu/h	(%)				Space Sens	Tot Sens	Of Total	(%)				
<b>Envelope Loads</b>					<b>Envelope Loads</b>												
Skylite Solar	0	0	0	0	0	0	0	Skylite Solar	0	0	0	0.00			SADB	Cooling	Heating
Skylite Cond	0	0	0	0	0	0	0	Skylite Cond	0	0	0	0.00			Ra Plenum	78.4	67.6
Roof Cond	0	203	203	4	0	0	0	Roof Cond	0	-102	5.01				Return	78.4	67.6
Glass Solar	992	0	992	17	992	26	0	Glass Solar	0	0	0.00				Ret/OA	78.4	67.6
Glass/Door Cond	109	0	109	2	109	3	0	Glass/Door Cond	-295	-295	14.44				Fn MtrTD	0.0	0.0
Wall Cond	1,337	547	1,884	33	1,337	34	0	Wall Cond	-284	-394	19.27				Fn BldTD	0.0	0.0
Partition/Door	0	0	0	0	0	0	0	Partition/Door	0	0	0.00				Fn Frict	0.0	0.0
Floor	0	0	0	0	0.00	0	0	Floor	-144	-144	7.05						
Adjacent Floor	0.00	0.00	0.00	0.00	0.00	0.00	0	Adjacent Floor	0.00	0.00	0.00						
Infiltration	536	536	536	9	113	3	0	Infiltration	-327	-327	16.03						
Sub Total ==>	2,975	751	3,725	65	2,551	66	0	Sub Total ==>	-1,050	-1,262	61.80						
<b>Internal Loads</b>					<b>Internal Loads</b>												
Lights	223	56	279	5	223	6	0	Lights	0	0	0.00						
People	1,800	0	1,800	31	1,000	26	0	People	0	0	0.00						
Misc	0	0	0	0	0	0	0	Misc	0	0	0.00						
Sub Total ==>	2,023	56	2,079	36	1,223	31	0	Sub Total ==>	0	0	0.00						
Ceiling Load	109	-109	0	0	109	3	0	Ceiling Load	-76	0	0.00						
Ventilation Load	0	0	0	0	0	0	0	Ventilation Load	0	0	0.00						
Adj Air Trans Heat	0	0	0	0	0	0	0	Adj Air Trans Heat	0	0	0						
Dehumid. Ov Sizing			0	0			0	Ov/Undr Sizing	0	0	0.00						
Ov/Undr Sizing	0		0	0	0	0	0	Exhaust Heat		24	-1.18						
Exhaust Heat		-34	-34	-1			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		-799	39.09						
Duct Heat Pkup		0	0	0			0	System Plenum Heat		-6	0.29						
Underflr Sup Ht Pkup			0	0			0	Underflr Sup Ht Pkup		0	0.00						
Supply Air Leakage		0	0	0			0	Supply Air Leakage		0	0.00						
Grand Total ==>	5,106	663	5,769	100.00	3,883	100.00	0	Grand Total ==>	-1,126	-2,042	100.00						

AIRFLOWS		
	Cooling	Heating
Diffuser	149	45
Terminal	149	45
Main Fan	149	45
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	9	9
MinStop/Rh	45	45
Return	158	54
Exhaust	9	9
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	1.46	0.44
cfm/ton	309.34	
ft²/ton	212.15	
Btu/hr-ft²	56.56	-20.02
No. People	4.0	39.2/1000 ft²

COOLING COIL SELECTION											AREAS				HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total		Glass			Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft²	(%)		MBh	cfm	°F	°F		
Main Clg	0.5	5.8	4.6	149	78.4	63.7	65.0	51.6	50.3	52.3	Floor	102		Main Htg	-2.0	45	51.6	92.7		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0		
											ExFlr	9		Reheat	-0.9	45	51.6	70.0		
Total	0.5	5.8									Roof	110	0	Humidif	0.0	0	0.0	0.0		
											Wall	108	16	Opt Vent	0.0	0	0.0	0.0		
											Ext Door	0	0	Total	-2.0					

By RLF

COOLING COIL PEAK					CLG SPACE PEAK		HEATING COIL PEAK			TEMPERATURES				
Peaked at Time:		Mo/Hr: 8 / 17			Mo/Hr: 8 / 17		Mo/Hr: Heating Design			Cooling			Heating	
Outside Air:		OADB/WB/HR: 86 / 78 / 131			OADB: 86		OADB: 38			SADB			51.6	96.6
										Ra Plenum			78.4	67.6
										Return			78.4	67.6
										Ret/OA			78.4	67.6
										Fn MtrTD			0.0	0.0
										Fn BldTD			0.0	0.0
										Fn Frict			0.0	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	294	294	6	0	0	Roof Cond	0	-114	5.72				
Glass Solar	992	0	992	20	992	29	Glass Solar	0	0	0.00				
Glass/Door Cond	109	0	109	2	109	3	Glass/Door Cond	-295	-295	14.87				
Wall Cond	1,344	550	1,894	37	1,344	39	Wall Cond	-285	-396	19.95				
Partition/Door	0		0	0	0	0	Partition/Door	0	0	0.00				
Floor	0		0	0	0.00	0	Floor	-145	-145	7.29				
Adjacent Floor	0.00	0.00	0.00	0.00	0.00	0.00	Adjacent Floor	0.00	0.00	0.00				
Infiltration	594		594	12	125	4	Infiltration	-363	-363	18.29				
Sub Total ==>	3,040	843	3,883	77	2,571	75	Sub Total ==>	-1,087	-1,311	66.12				
Internal Loads					Internal Loads									
Lights	247	62	309	6	247	7	Lights	0	0	0.00				
People	900	0	900	18	500	15	People	0	0	0.00				
Misc	0	0	0	0	0	0	Misc	0	0	0.00				
Sub Total ==>	1,147	62	1,209	24	747	22	Sub Total ==>	0	0	0.00				
Ceiling Load	121	-121	0	0	121	4	Ceiling Load	-85	0	0.00				
Ventilation Load	0	0	0	0	0	0	Ventilation Load	0	0	0.00				
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		27	-1.35				
Exhaust Heat		-38	-38	-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		-707	35.65				
Duct Heat Pkup		0	0	0			System Plenum Heat		8	-0.42				
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 ==>	4,307	746	5,054	100.00	3,438	100.00	Grand Total ==>	-1,172	-1,983	100.00				
											AIRFLOWS			
											Cooling	Heating		
											Diffuser	132	40	
											Terminal	132	40	
											Main Fan	132	40	
											Sec Fan	0	0	
											Nom Vent	0	0	
											AHU Vent	0	0	
											Infil	10	10	
											MinStop/Rh	40	40	
											Return	142	50	
											Exhaust	10	10	
											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	1.17	0.35	
											cfm/ton	312.70		
											ft²/ton	268.31		
											Btu/hr-ft²	44.72	-17.55	
											No. People</			

[illegible]

# Room Checksums

By RLF

## 121 EXAM ROOM 10

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES		
Peaked at Time: Mo/Hr: 8 / 17					Mo/Hr: 8 / 17			Mo/Hr: Heating Design					
Outside Air: OADB/WB/HR: 86 / 78 / 131					OADB: 86			OADB: 38					
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	(%)			
<b>Envelope Loads</b>					<b>Envelope Loads</b>								
Skylite Solar	0	0	0	0	0	0	0	0	0	0.00	SADB	51.6	93.8
Skylite Cond	0	0	0	0	0	0	0	0	0	0.00	Ra Plenum	78.4	67.6
Roof Cond	0	303	303	4	0	0	0	0	-117	4.33	Return	78.4	67.6
Glass Solar	1,985	0	1,985	29	1,985	40	0	0	0	0.00	Ret/OA	78.4	67.6
Glass/Door Cond	218	0	218	3	218	4	0	-590	-590	21.77	Fn MtrTD	0.0	0.0
Wall Cond	1,407	682	2,089	31	1,407	28	0	-299	-435	16.07	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	-179	-179	6.62			
Adjacent Floor	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00			
Infiltration	610	610	610	9	128	3	0	-372	-372	13.75			
Sub Total ==>	4,220	985	5,205	77	3,738	75	0	-1,440	-1,694	62.53			
<b>Internal Loads</b>					<b>Internal Loads</b>								
Lights	253	63	317	5	253	5	0	0	0	0.00	<b>AIRFLOWS</b>		
People	900	0	900	13	500	10	0	0	0	0.00		Cooling	Heating
Misc	396	0	396	6	396	8	0	0	0	0.00	Diffuser	192	58
Sub Total ==>	1,549	63	1,613	24	1,149	23	0	0	0	0.00	Terminal	192	58
											Main Fan	192	58
<b>Ceiling Load</b>	124	-124	0	0	124	2	<b>Ceiling Load</b>	-87	0	0.00	Sec Fan	0	0
<b>Ventilation Load</b>	0	0	0	0	0	0	<b>Ventilation Load</b>	0	0	0.00	Nom Vent	0	0
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	<b>Adj Air Trans Heat</b>	0	0	0	AHU Vent	0	0
<b>Dehumid. Ov Sizing</b>			0	0			<b>Ov/Undr Sizing</b>	0	0	0.00	Infil	10	10
<b>Ov/Undr Sizing</b>	0		0	0	0	0	<b>Exhaust Heat</b>		28	-1.02	MinStop/Rh	58	58
<b>Exhaust Heat</b>		-39	-39	-1			<b>OA Preheat Diff.</b>		0	0.00	Return	202	68
<b>Sup. Fan Heat</b>		0	0	0			<b>RA Preheat Diff.</b>		0	0.00	Exhaust	10	10
<b>Ret. Fan Heat</b>		0	0	0			<b>Additional Reheat</b>		-1,031	38.04	Rm Exh	0	0
<b>Duct Heat Pkup</b>		0	0	0			<b>System Plenum Heat</b>		-12	0.45	Auxiliary	0	0
<b>Underflr Sup Ht Pkup</b>		0	0	0			<b>Underflr Sup Ht Pkup</b>		0	0.00	Leakage Dwn	0	0
<b>Supply Air Leakage</b>		0	0	0			<b>Supply Air Leakage</b>		0	0.00	Leakage Ups	0	0
Grand Total ==>	5,893	885	6,779	100.00	5,011	100.00	Grand Total ==>	-1,527	-2,709	100.00	<b>ENGINEERING CKS</b>		

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				ft² (%)	MBh	MBh	cfm	°F	°F		
					gr/lb	gr/lb											
Main Clg	0.6	6.8	5.9	192	78.4	63.7	65.0	51.6	51.5	56.7	Floor	116	-2.7	58	51.6	93.8	Main Htg
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
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	0.0	0	0.0	0.0	Preheat
											ExFlr	11	-1.2	58	51.6	70.0	Reheat
Total	0.6	6.8									Roof	126	0	0	0.0	0.0	Humidif
											Wall	135	33	25	0.0	0.0	Opt Vent
											Ext Door	0	0	0	-2.7		Total

# Room Checksums

By RLF

## 122 EXAM ROOM 9

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES		
Peaked at Time: Mo/Hr: 8 / 17					Mo/Hr: 8 / 17			Mo/Hr: Heating Design					
Outside Air: OADB/WB/HR: 86 / 78 / 131					OADB: 86			OADB: 38					
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	(%)			
<b>Envelope Loads</b>					<b>Envelope Loads</b>								
Skylite Solar	0	0	0	0	0	0	0	0	0	0.00	SADB	51.6	93.8
Skylite Cond	0	0	0	0	0	0	0	0	0	0.00	Ra Plenum	78.4	67.6
Roof Cond	0	303	303	5	0	0	0	0	-117	4.49	Return	78.4	67.6
Glass Solar	1,985	0	1,985	30	1,985	41	0	0	0	0.00	Ret/OA	78.4	67.6
Glass/Door Cond	218	0	218	3	218	5	0	-590	-590	22.60	Fn MtrTD	0.0	0.0
Wall Cond	1,221	621	1,841	28	1,221	25	0	-259	-384	14.70	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	-163	-163	6.26			
Adjacent Floor	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00			
Infiltration	610	610	610	9	128	3	0	-372	-372	14.27			
Sub Total ==>	4,034	924	4,958	76	3,552	74	0	-1,384	-1,626	62.32			
<b>Internal Loads</b>					<b>Internal Loads</b>								
Lights	253	63	317	5	253	5	0	0	0	0.00	<b>AIRFLOWS</b>		
People	900	0	900	14	500	10	0	0	0	0.00	Cooling		
Misc	396	0	396	6	396	8	0	0	0	0.00	Heating		
Sub Total ==>	1,549	63	1,613	25	1,149	24	0	0	0	0.00	Diffuser	185	55
Ceiling Load	124	-124	0	0	124	3	0	-87	0	0.00	Terminal	185	55
Ventilation Load	0	0	0	0	0	0	0	0	0	0.00	Main Fan	185	55
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	Sec Fan	0	0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0	0	0.00	Nom Vent	0	0
Ov/Undr Sizing	0	0	0	0	0	0	0	0	0	0.00	AHU Vent	0	0
Exhaust Heat	-39	-39	-1	0	0	0	0	0	28	-1.05	Infil	10	10
Sup. Fan Heat	0	0	0	0	0	0	0	0	0	0.00	MinStop/Rh	55	55
Ret. Fan Heat	0	0	0	0	0	0	0	0	0	0.00	Return	195	66
Duct Heat Pkup	0	0	0	0	0	0	0	0	0	0.00	Exhaust	10	10
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0	0	0.00	Rm Exh	0	0
Supply Air Leakage	0	0	0	0	0	0	0	0	0	0.00	Auxiliary	0	0
Grand Total ==>	5,707	825	6,531	100.00	4,825	100.00	Grand Total ==>	-1,471	-2,610	100.00	Leakage Dwn	0	0
											Leakage Ups	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	°F	°F			ft² (%)	MBh	MBh	cfm	°F	°F			
Main Clg	0.5	6.5	5.7	185	78.4	63.7	65.0	51.6	51.5	56.7	Floor	116	-2.6	55	51.6	93.8	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	0.0	0	0.0	0.0	
											ExFlr	10	-1.1	55	51.6	70.0	
Total	0.5	6.5									Roof	126	0.0	0	0.0	0.0	
											Wall	123	33	27	0.0	0.0	
											Ext Door	0	0	0	0.0	0.0	
											Total	-2.6					

Project Name: HealthFirst Medico

Dataset Name: 21184.TRC

TRACE® 700 v6.3.4 calculated at 05:19 PM on 04/11/2022

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# Room Checksums

By RLF

## 123 EXAM ROOM 8

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES		
Peaked at Time: Mo/Hr: 8 / 17					Mo/Hr: 8 / 17			Mo/Hr: Heating Design					
Outside Air: OADB/WB/HR: 86 / 78 / 131					OADB: 86			OADB: 38					
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	(%)			
<b>Envelope Loads</b>					<b>Envelope Loads</b>								
Skylite Solar	0	0	0	0	0	0	0	0	0	0.00	SADB	51.6	94.0
Skylite Cond	0	0	0	0	0	0	0	0	0	0.00	Ra Plenum	78.4	67.6
Roof Cond	0	303	303	5	0	0	0	0	-117	5.32	Return	78.4	67.6
Glass Solar	992	0	992	17	992	24	0	0	0	0.00	Ret/OA	78.4	67.6
Glass/Door Cond	109	0	109	2	109	3	0	-295	-295	13.37	Fn MtrTD	0.0	0.0
Wall Cond	1,557	619	2,176	38	1,557	38	0	-330	-455	20.62	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	-163	-163	7.39			
Adjacent Floor	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00			
Infiltration	610	610	610	11	128	3	0	-372	-372	16.89			
Sub Total ==>	3,269	922	4,191	73	2,787	69	0	-1,160	-1,402	63.58			
<b>Internal Loads</b>					<b>Internal Loads</b>								
Lights	253	63	317	5	253	6	0	0	0	0.00	<b>AIRFLOWS</b>		
People	900	0	900	16	500	12	0	0	0	0.00		Cooling	Heating
Misc	396	0	396	7	396	10	0	0	0	0.00	Diffuser	156	47
Sub Total ==>	1,549	63	1,613	28	1,149	28	0	0	0	0.00	Terminal	156	47
											Main Fan	156	47
<b>Ceiling Load</b>	124	-124	0	0	124	3	<b>Ceiling Load</b>	-87	0	0.00	Sec Fan	0	0
<b>Ventilation Load</b>	0	0	0	0	0	0	<b>Ventilation Load</b>	0	0	0.00	Nom Vent	0	0
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	<b>Adj Air Trans Heat</b>	0	0	0	AHU Vent	0	0
<b>Dehumid. Ov Sizing</b>			0	0			<b>Ov/Undr Sizing</b>	0	0	0.00	Infil	10	10
<b>Ov/Undr Sizing</b>	0		0	0	0	0	<b>Exhaust Heat</b>		28	-1.25	MinStop/Rh	47	47
<b>Exhaust Heat</b>		-39	-39	-1			<b>OA Preheat Diff.</b>		0	0.00	Return	166	57
<b>Sup. Fan Heat</b>			0	0			<b>RA Preheat Diff.</b>		0	0.00	Exhaust	10	10
<b>Ret. Fan Heat</b>			0	0			<b>Additional Reheat</b>		-835	37.86	Rm Exh	0	0
<b>Duct Heat Pkup</b>			0	0			<b>System Plenum Heat</b>		4	-0.19	Auxiliary	0	0
<b>Underflr Sup Ht Pkup</b>			0	0			<b>Underflr Sup Ht Pkup</b>		0	0.00	Leakage Dwn	0	0
<b>Supply Air Leakage</b>			0	0			<b>Supply Air Leakage</b>		0	0.00	Leakage Ups	0	0
<b>Grand Total ==&gt;</b>	4,942	823	5,764	100.00	4,060	100.00	<b>Grand Total ==&gt;</b>	-1,247	-2,205	100.00	<b>ENGINEERING CKS</b>		

COOLING COIL SELECTION										AREAS				HEATING COIL SELECTION				
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass			Capacity	Coil Airflow	Ent	Lvg
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft²	(%)		MBh	cfm	°F	°F
Main Clg	0.5	5.8	4.9	156	78.4	63.7	65.0	51.6	51.0	54.8	Floor	116		Main Htg	-2.2	47	51.6	94.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	10		Reheat	-1.0	47	51.6	70.0
<b>Total</b>	0.5	5.8									Roof	126	0	Humidif	0.0	0	0.0	0.0
											Wall	122	16	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	<b>Total</b>	-2.2			

Project Name: HealthFirst Medico

Dataset Name: 21184.TRC

TRACE® 700 v6.3.4 calculated at 05:19 PM on 04/11/2022

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# Room Checksums

By RLF

124 MECH

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES			
Peaked at Time: Mo/Hr: 11 / 14					Mo/Hr: 12 / 14			Mo/Hr: Heating Design			Cooling			Heating
Outside Air: OADB/WB/HR: 75 / 63 / 69					OADB: 69			OADB: 38			SADB			100.0
											Ra Plenum			67.6
											Return			67.6
											Ret/OA			67.6
											Fn MtrTD			0.0
											Fn BldTD			0.0
											Fn Frict			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	0.3	3.0	3.0	87	78.1	63.6	65.0	51.6	51.5	56.7	Floor	41		Main Htg	-1.4	26	51.6	100.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	9		Reheat	-0.5	26	51.6	70.0
Total	0.3	3.0									Roof	134	0	Humidif	0.0	0	0.0	0.0
											Wall	108	16	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	Total	-1.4			

Project Name: HealthFirst Medico

Dataset Name: 21184.TRC

TRACE® 700 v6.3.4 calculated at 05:19 PM on 04/11/2022

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# Room Checksums

By RLF

## 125 TEAM STATION

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 16					Mo/Hr: 7 / 15					Mo/Hr: Heating Design							
Outside Air: OADB/WB/HR: 88 / 78 / 133					OADB: 88					OADB: 38							
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total		Space Sensible	Percent Of Total				Space Peak	Coil Peak	Percent					
Btu/h	Btu/h	Btu/h	(%)		Btu/h	(%)				Space Sens	Tot Sens	Of Total					
Envelope Loads					Envelope Loads												
Skylite Solar	0	0	0	0	0	0	0	Skylite Solar	0	0	0	0.00			SADB	Cooling	Heating
Skylite Cond	0	0	0	0	0	0	0	Skylite Cond	0	0	0	0.00			Ra Plenum	78.8	67.6
Roof Cond	0	542	542	10	0	0	0	Roof Cond	0	-200	13.17				Return	78.8	67.6
Glass Solar	0	0	0	0	0	0	0	Glass Solar	0	0	0	0.00			Ret/OA	78.8	67.6
Glass/Door Cond	0	0	0	0	0	0	0	Glass/Door Cond	0	0	0	0.00			Fn MtrTD	0.0	0.0
Wall Cond	0	0	0	0	0	0	0	Wall Cond	0	0	0	0.00			Fn BldTD	0.0	0.0
Partition/Door	0	0	0	0	0	0	0	Partition/Door	0	0	0	0.00			Fn Frict	0.0	0.0
Floor	0	0	0	0	0.00	0	0	Floor	0	0	0	0.00					
Adjacent Floor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Adjacent Floor	0.00	0.00	0.00	0.00					
Infiltration	1,099		1,099	20	258	8		Infiltration	-636	-636	41.85						
Sub Total ==>	1,099	542	1,641	30	258	8		Sub Total ==>	-636	-836	55.02						
Internal Loads					Internal Loads												
Lights	433	108	541	10	433	14		Lights	0	0	0.00						
People	2,700	0	2,700	49	1,500	48		People	0	0	0.00						
Misc	676	0	676	12	676	22		Misc	0	0	0.00						
Sub Total ==>	3,808	108	3,916	71	2,608	84		Sub Total ==>	0	0	0.00						
Ceiling Load	237	-237	0	0	249	8		Ceiling Load	-148	0	0.00						
Ventilation Load	0	0	0	0	0	0		Ventilation Load	0	0	0.00						
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		47	-3.09						
Exhaust Heat		-75	-75	-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		-641	42.17						
Duct Heat Pkup		0	0	0				System Plenum Heat		-90	5.90						
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 ==>	5,144	338	5,482	100.00	3,115	100.00		Grand Total ==>	-784	-1,519	100.00						

COOLING COIL SELECTION										AREAS				HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total		Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.5	5.5	3.4	119	78.8	63.9	65.0	51.6	47.6	42.4	Floor	198		Main Htg	-1.5	36	51.6	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	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	0		Reheat	-0.7	36	51.6	70.0	
Total	0.5	5.5									Roof	215	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	-1.5			

Project Name: HealthFirst Medico

Dataset Name: 21184.TRC

TRACE® 700 v6.3.4 calculated at 05:19 PM on 04/11/2022

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# Room Checksums

By RLF

126 B TLT

COOLING COIL PEAK					CLG SPACE PEAK		HEATING COIL PEAK			TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 16					Mo/Hr: 7 / 15		Mo/Hr: Heating Design			Cooling Heating		
Outside Air: OADB/WB/HR: 88 / 78 / 133					OADB: 88		OADB: 38			SADB 51.6 135.2		
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 (%)				
<b>Envelope Loads</b>					<b>Envelope Loads</b>		<b>Envelope Loads</b>			<b>AIRFLOWS</b>		
Skylite Solar	0	0	0	0	0	0	0	0.00		Cooling Heating		
Skylite Cond	0	0	0	0	0	0	0	0.00		Diffuser	36	11
Roof Cond	0	313	313	17	0	0	-127	12.68		Terminal	36	11
Glass Solar	0	0	0	0	0	0	0	0.00		Main Fan	36	11
Glass/Door Cond	0	0	0	0	0	0	0	0.00		Sec Fan	0	0
Wall Cond	0	0	0	0	0	0	0	0.00		Nom Vent	0	0
Partition/Door	0	0	0	0	0	0	0	0.00		AHU Vent	0	0
Floor	0	0	0	0	0.00	0	0	0.00		Infil	18	18
Adjacent Floor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		MinStop/Rh	11	11
Infiltration	1,099		1,099	59	258	27	-636	63.21		Return	54	29
Sub Total ==>	1,099	313	1,412	75	258	27	-636	75.89		Exhaust	18	18
<b>Internal Loads</b>					<b>Internal Loads</b>		<b>Internal Loads</b>			<b>ENGINEERING CKS</b>		
Lights	433	108	541	29	433	46	0	0.00		% OA	0.0	0.0
People	0	0	0	0	0	0	0	0.00		cfm/ft²	0.18	0.05
Misc	0	0	0	0	0	0	0	0.00		cfm/ton	229.92	
Sub Total ==>	433	108	541	29	433	46	0	0.00		ft²/ton	1,265.22	
Ceiling Load	237	-237	0	0	249	26	-148	0.00		Btu/hr-ft²	9.48	-5.08
Ventilation Load	0	0	0	0	0	0	0	0.00		No. People	0.0	0.0/1000 ft²
Adj Air Trans Heat	0		0	0	0	0	0	0				
Dehumid. Ov Sizing			0	0			0	0.00				
Ov/Undr Sizing	0		0	0	0	0	47	-4.67				
Exhaust Heat		-75	-75	-4			0	0.00				
Sup. Fan Heat			0	0			0	0.00				
Ret. Fan Heat		0	0	0			-193	19.21				
Duct Heat Pkup		0	0	0			-96	9.58				
Underflr Sup Ht Pkup			0	0			0	0.00				
Supply Air Leakage		0	0	0			0	0.00				
Grand Total ==>	1,768	110	1,878	100.00	939	100.00	-784	-1,006	100.00			

COOLING COIL SELECTION										AREAS				HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total		Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb			ft²	(%)	MBh	cfm	°F	°F	
Main Clg	0.2	1.9	1.0	35	78.8	63.9	65.0	51.6	44.6	32.4	Floor	198			Main Htg	-1.0	11	51.6	135.2
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0			Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0			Preheat	0.0	0	0.0	0.0
											ExFlr	0			Reheat	-0.2	11	51.6	70.0
Total	0.2	1.9									Roof	137	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	-1.0			



# Room Checksums

By RLF

## 127 CLEAN STORAGE

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES				
Peaked at Time: Mo/Hr: 7 / 16					Mo/Hr: 7 / 15			Mo/Hr: Heating Design				Cooling			Heating	
Outside Air: OADB/WB/HR: 88 / 78 / 133					OADB: 88			OADB: 38				SADB			51.6	135.2
												Ra Plenum			78.8	67.6
												Return			78.8	67.6
												Ret/OA			78.8	67.6
												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	1.0	0.6	16	78.8	63.9	65.0	51.6	40.9	20.8	Floor	92		Main Htg	-0.5	5	51.6	135.2
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0		Reheat	-0.1	5	51.6	70.0
Total	0.1	1.0									Roof	100	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	-0.5			

Project Name: HealthFirst Medico

Dataset Name: 21184.TRC

TRACE® 700 v6.3.4 calculated at 05:19 PM on 04/11/2022

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# Room Checksums

By RLF

128 COMM

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 15					Mo/Hr: 7 / 15					Mo/Hr: Heating Design							
Outside Air: OADB/WB/HR: 88 / 78 / 129					OADB: 88					OADB: 38							
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total		Space Sensible	Percent Of Total				Space Peak	Coil Peak	Percent					
Btu/h	Btu/h	Btu/h	(%)		Btu/h	(%)				Space Sens	Tot Sens	Of Total	(%)				
<b>Envelope Loads</b>					<b>Envelope Loads</b>												
Skylite Solar	0	0	0	0	0	0	0	Skylite Solar	0	0	0	0.00			<b>SADB</b>	<b>Cooling</b>	<b>Heating</b>
Skylite Cond	0	0	0	0	0	0	0	Skylite Cond	0	0	0	0.00			<b>Ra Plenum</b>	51.6	72.2
Roof Cond	0	363	363	3	0	0	0	Roof Cond	0	-129	3.93				<b>Return</b>	79.0	67.6
Glass Solar	0	0	0	0	0	0	0	Glass Solar	0	0	0.00				<b>Ret/OA</b>	79.0	67.6
Glass/Door Cond	0	0	0	0	0	0	0	Glass/Door Cond	0	0	0.00				<b>Fn MtrTD</b>	0.0	0.0
Wall Cond	0	0	0	0	0	0	0	Wall Cond	0	0	0.00				<b>Fn BldTD</b>	0.0	0.0
Partition/Door	0	0	0	0	0	0	0	Partition/Door	0	0	0.00				<b>Fn Frict</b>	0.0	0.0
Floor	0	0	0	0	0.00	0	0	Floor	0	0	0.00						
Adjacent Floor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Adjacent Floor	0.00	0.00	0.00						
Infiltration	479		479	4	117	1	1	Infiltration	-289	-289	8.79						
<i>Sub Total ==&gt;</i>	479	363	842	6	117	1	1	<i>Sub Total ==&gt;</i>	-289	-418	12.72						
<b>Internal Loads</b>					<b>Internal Loads</b>												
Lights	197	49	246	2	197	2	2	Lights	0	0	0.00						
People	0	0	0	0	0	0	0	People	0	0	0.00						
Misc	12,000	0	12,000	92	12,000	97	97	Misc	0	0	0.00						
<i>Sub Total ==&gt;</i>	12,197	49	12,246	94	12,197	98	98	<i>Sub Total ==&gt;</i>	0	0	0.00						
<b>Ceiling Load</b>	113	-113	0	0	113	1	1	<b>Ceiling Load</b>	-67	0	0.00						
<b>Ventilation Load</b>	0	0	0	0	0	0	0	<b>Ventilation Load</b>	0	0	0.00						
<b>Adj Air Trans Heat</b>	0		0	0	0	0	0	<b>Adj Air Trans Heat</b>	0	0	0						
<b>Dehumid. Ov Sizing</b>			0	0				<b>Ov/Undr Sizing</b>	0	0	0.00						
<b>Ov/Undr Sizing</b>	0		0	0	0	0	0	<b>Exhaust Heat</b>		21	-0.65						
<b>Exhaust Heat</b>		-36	-36	0				<b>OA Preheat Diff.</b>		0	0.00						
<b>Sup. Fan Heat</b>			0	0				<b>RA Preheat Diff.</b>		0	0.00						
<b>Ret. Fan Heat</b>		0	0	0				<b>Additional Reheat</b>		-2,556	77.72						
<b>Duct Heat Pkup</b>		0	0	0				<b>System Plenum Heat</b>		-336	10.21						
<b>Underflr Sup Ht Pkup</b>			0	0				<b>Underflr Sup Ht Pkup</b>		0	0.00						
<b>Supply Air Leakage</b>		0	0	0				<b>Supply Air Leakage</b>		0	0.00						
<i>Grand Total ==&gt;</i>	12,789	263	13,052	100.00	12,427	100.00	100.00	<i>Grand Total ==&gt;</i>	-356	-3,289	100.00						

AIRFLOWS		
	Cooling	Heating
<b>Diffuser</b>	476	143
<b>Terminal</b>	476	143
<b>Main Fan</b>	476	143
<b>Sec Fan</b>	0	0
<b>Nom Vent</b>	0	0
<b>AHU Vent</b>	0	0
<b>Infil</b>	8	8
<b>MinStop/Rh</b>	143	143
<b>Return</b>	484	151
<b>Exhaust</b>	8	8
<b>Rm Exh</b>	0	0
<b>Auxiliary</b>	0	0
<b>Leakage Dwn</b>	0	0
<b>Leakage Ups</b>	0	0

ENGINEERING CKS		
	Cooling	Heating
<b>% OA</b>	0.0	0.0
<b>cfm/ft²</b>	5.29	1.59
<b>cfm/ton</b>	437.65	
<b>ft²/ton</b>	82.75	
<b>Btu/hr-ft²</b>	145.02	-36.54
<b>No. People</b>	0.0	0.0/1000 ft²

COOLING COIL SELECTION										AREAS				HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total		Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft²	(%)	MBh	cfm	°F	°F		
Main Clg	1.1	13.1	12.7	476	79.0	63.9	65.0	51.6	51.5	56.7	Floor	90		Main Htg	-3.3	143	51.6	72.2	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	0		Reheat	-2.9	143	51.6	70.0	
Total	1.1	13.1									Roof	139	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	-3.3			

# Room Checksums

By RLF

## 129 CORR CENTRAL

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 16					Mo/Hr: 7 / 15					Mo/Hr: Heating Design							
Outside Air: OADB/WB/HR: 88 / 78 / 133					OADB: 88					OADB: 38							
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total		Space Sensible	Percent Of Total				Space Peak	Coil Peak	Percent					
Btu/h	Btu/h	Btu/h	(%)		Btu/h	(%)				Space Sens	Tot Sens	Of Total	(%)				
<b>Envelope Loads</b>					<b>Envelope Loads</b>												
Skylite Solar	0	0	0	0	0	0	0	Skylite Solar	0	0	0	0.00			<b>SADB</b>	<b>Cooling</b>	<b>Heating</b>
Skylite Cond	0	0	0	0	0	0	0	Skylite Cond	0	0	0	0.00			<b>Ra Plenum</b>	51.6	166.2
Roof Cond	0	309	309	24	0	0	0	Roof Cond	0	-126	14.48				<b>Return</b>	78.8	67.6
Glass Solar	0	0	0	0	0	0	0	Glass Solar	0	0	0	0.00			<b>Ret/OA</b>	78.8	67.6
Glass/Door Cond	0	0	0	0	0	0	0	Glass/Door Cond	0	0	0	0.00			<b>Fn MtrTD</b>	0.0	0.0
Wall Cond	0	0	0	0	0	0	0	Wall Cond	0	0	0	0.00			<b>Fn BldTD</b>	0.0	0.0
Partition/Door	0	0	0	0	0	0	0	Partition/Door	0	0	0	0.00			<b>Fn Frict</b>	0.0	0.0
Floor	0	0	0	0	0.00	0	0	Floor	-235	-235	27.06						
Adjacent Floor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Adjacent Floor	0.00	0.00	0.00						
Infiltration	691		691	53	162	27	162	Infiltration	-400	-400	46.10						
<b>Sub Total ==&gt;</b>	<b>691</b>	<b>309</b>	<b>1,001</b>	<b>77</b>	<b>162</b>	<b>27</b>	<b>162</b>	<b>Sub Total ==&gt;</b>	<b>-635</b>	<b>-760</b>	<b>87.65</b>						
<b>Internal Loads</b>					<b>Internal Loads</b>												
Lights	272	68	340	26	272	46	272	Lights	0	0	0.00						
People	0	0	0	0	0	0	0	People	0	0	0.00						
Misc	0	0	0	0	0	0	0	Misc	0	0	0.00						
<b>Sub Total ==&gt;</b>	<b>272</b>	<b>68</b>	<b>340</b>	<b>26</b>	<b>272</b>	<b>46</b>	<b>272</b>	<b>Sub Total ==&gt;</b>	<b>0</b>	<b>0</b>	<b>0.00</b>						
<b>Ceiling Load</b>	<b>149</b>	<b>-149</b>	<b>0</b>	<b>0</b>	<b>156</b>	<b>26</b>	<b>156</b>	<b>Ceiling Load</b>	<b>-93</b>	<b>0</b>	<b>0.00</b>						
<b>Ventilation Load</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Ventilation Load</b>	<b>0</b>	<b>0</b>	<b>0.00</b>						
<b>Adj Air Trans Heat</b>	<b>0</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Adj Air Trans Heat</b>	<b>0</b>	<b>0</b>	<b>0</b>						
<b>Dehumid. Ov Sizing</b>			<b>0</b>	<b>0</b>				<b>Ov/Undr Sizing</b>	<b>0</b>	<b>0</b>	<b>0.00</b>						
<b>Ov/Undr Sizing</b>	<b>0</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Exhaust Heat</b>		<b>30</b>	<b>-3.41</b>						
<b>Exhaust Heat</b>		<b>-47</b>	<b>-47</b>	<b>-4</b>				<b>OA Preheat Diff.</b>		<b>0</b>	<b>0.00</b>						
<b>Sup. Fan Heat</b>			<b>0</b>	<b>0</b>				<b>RA Preheat Diff.</b>		<b>0</b>	<b>0.00</b>						
<b>Ret. Fan Heat</b>			<b>0</b>	<b>0</b>				<b>Additional Reheat</b>		<b>-122</b>	<b>14.01</b>						
<b>Duct Heat Pkup</b>			<b>0</b>	<b>0</b>				<b>System Plenum Heat</b>		<b>-15</b>	<b>1.75</b>						
<b>Underflr Sup Ht Pkup</b>			<b>0</b>	<b>0</b>				<b>Underflr Sup Ht Pkup</b>		<b>0</b>	<b>0.00</b>						
<b>Supply Air Leakage</b>			<b>0</b>	<b>0</b>				<b>Supply Air Leakage</b>		<b>0</b>	<b>0.00</b>						
<b>Grand Total ==&gt;</b>	<b>1,112</b>	<b>181</b>	<b>1,294</b>	<b>100.00</b>	<b>591</b>	<b>100.00</b>	<b>591</b>	<b>Grand Total ==&gt;</b>	<b>-728</b>	<b>-867</b>	<b>100.00</b>						

AIRFLOWS		
	Cooling	Heating
<b>Diffuser</b>	23	7
<b>Terminal</b>	23	7
<b>Main Fan</b>	23	7
<b>Sec Fan</b>	0	0
<b>Nom Vent</b>	0	0
<b>AHU Vent</b>	0	0
<b>Infil</b>	11	11
<b>MinStop/Rh</b>	7	7
<b>Return</b>	34	18
<b>Exhaust</b>	11	11
<b>Rm Exh</b>	0	0
<b>Auxiliary</b>	0	0
<b>Leakage Dwn</b>	0	0
<b>Leakage Ups</b>	0	0

ENGINEERING CKS		
	Cooling	Heating
<b>% OA</b>	0.0	0.0
<b>cfm/ft²</b>	0.18	0.05
<b>cfm/ton</b>	209.98	
<b>ft²/ton</b>	1,155.44	
<b>Btu/hr-ft²</b>	10.39	-6.96
<b>No. People</b>	0.0	0.0/1000 ft²

COOLING COIL SELECTION										AREAS				HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total		Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft²	(%)	MBh	cfm	°F	°F		
Main Clg	0.1	1.3	0.8	22	78.8	63.9	65.0	51.6	42.3	25.3	Floor	125		Main Htg	-0.9	7	51.6	166.2	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0	
											ExFlr	15		Reheat	-0.1	7	51.6	70.0	
Total	0.1	1.3									Roof	135	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	-0.9			

By RLF

COOLING COIL PEAK					CLG SPACE PEAK		HEATING COIL PEAK		
Peaked at Time:		Mo/Hr: 7 / 15			Mo/Hr: 7 / 15		Mo/Hr: Heating Design		
Outside Air:		OADB/WB/HR: 88 / 78 / 129			OADB: 88		OADB: 38		
	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	(%)
<b>Envelope Loads</b>						<b>Envelope Loads</b>			
Skylite Solar	0	0	0	0	0	0	Skylite Solar	0	0.00
Skylite Cond	0	0	0	0	0	0	Skylite Cond	0	0.00
Roof Cond	0	207	207	14	0	0	Roof Cond	0	-77 5.21
Glass Solar	0	0	0	0	0	0	Glass Solar	0	0.00
Glass/Door Cond	196	0	196	13	196	21	Glass/Door Cond	-459	-459 30.93
Wall Cond	358	145	503	34	358	39	Wall Cond	-271	-383 25.78
Partition/Door	0		0	0	0	0	Partition/Door	0	0.00
Floor	0		0	0	0.00	0	Floor	-235	-235 15.82
Adjacent Floor	0.00	0.00	0.00	0.00	0.00	0.00	Adjacent Floor	0.00	0.00 0.00
Infiltration	408		408	27	100	11	Infiltration	-246	-246 16.57
Sub Total ==>	962	352	1,314	88	654	71	Sub Total ==>	-1,210	-1,399 94.30
<b>Internal Loads</b>						<b>Internal Loads</b>			
Lights	167	42	209	14	167	18	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 ==>	167	42	209	14	167	18	Sub Total ==>	0	0 0.00
Ceiling Load	96	-96	0	0	96	10	Ceiling Load	-57	0 0.00
Ventilation Load	0	0	0	0	0	0	Ventilation Load	0	0 0.00
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	18	-1.22 0.00
Exhaust Heat		-30	-30	-2			OA Preheat Diff.	0	0 0.00
Sup. Fan Heat			0	0			RA Preheat Diff.	0	0 0.00
Ret. Fan Heat		0	0	0			Additional Reheat	-189	12.71 -5.79
Duct Heat PkUp		0	0	0			System Plenum Heat	86	0 0.00
Underflr Sup Ht PkUp			0	0			Underflr Sup Ht PkUp	0	0 0.00
Supply Air Leakage		0	0	0			Supply Air Leakage	0	0 0.00
Grand Total ==>	1,225	267	1,492	100.00	917	100.00	Grand Total ==>	-1,267	-1,484 100.00

TEMPERATURES		
	Cooling	Heating
SADB	51.6	177.9
Ra Plenum	79.0	67.6
Return	79.0	67.6
Ret/OA	79.0	67.6
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS		
	Cooling	Heating
Diffuser	35	11
Terminal	35	11
Main Fan	35	11
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	7	7
MinStop/Rh	11	11
Return	42	17
Exhaust	7	7
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	0.46	0.14
cfm/ton	282.42	
ft²/ton	615.81	
Btu/hr·ft²	19.49	-19.37
No. People	0.0	0.0/1000 ft²

COOLING 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		
Main Clg	0.1	1.5	1.2	35	79.0	63.9	65.0	51.6	49.1	48.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.1	1.5								

AREAS			
	Gross Total	Glass ft²	(%)
Floor	77		
Part	0		
Int Door	0		
ExFlr	15		
Roof	83	0	0
Wall	89	0	0
Ext Door	21	0	0

HEATING COIL SELECTION				
	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-1.5	11	51.6	177.9
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Reheat	-0.2	11	51.6	70.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-1.5			

# Room Checksums

By RLF

129 CORR SOUTH

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK				TEMPERATURES				
Peaked at Time: Mo/Hr: 9 / 14					Mo/Hr: 10 / 14			Mo/Hr: Heating Design				Cooling			Heating	
Outside Air: OADB/WB/HR: 86 / 76 / 120					OADB: 82			OADB: 38				SADB			51.6	122.5
												Ra Plenum			78.8	67.6
												Return			78.8	67.6
												Ret/OA			78.8	67.6
												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	0.2	2.6	2.1	57	78.8	63.9	65.0	51.6	47.9	43.6	Floor	155	Main Htg	-1.4	18	51.6	122.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
											ExFlr	15	Reheat	-0.4	18	51.6	70.0
Total	0.2	2.6									Roof	168	Humidif	0.0	0	0.0	0.0
											Wall	66	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	Total	-1.4			

# Room Checksums

By RLF

130 CORR

COOLING COIL PEAK					CLG SPACE PEAK		HEATING COIL PEAK			TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 16					Mo/Hr: 7 / 15		Mo/Hr: Heating Design					
Outside Air: OADB/WB/HR: 88 / 78 / 133					OADB: 88		OADB: 38					
Space Sens. + Lat. Btu/h	Plenum Sens. + Lat. Btu/h	Net Total Btu/h	Percent Of Total (%)	Space Sensible Btu/h	Percent Of Total (%)	Envelope Loads	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)			
<b>Envelope Loads</b>					<b>Envelope Loads</b>							
Skylite Solar	0	0	0	0	0	0	0	0	0.00	SADB	Cooling	Heating
Skylite Cond	0	0	0	0	0	0	0	0	0.00	Ra Plenum	51.6	135.2
Roof Cond	0	246	246	24	0	0	0	-100	19.80	Return	78.8	67.6
Glass Solar	0	0	0	0	0	0	0	0	0.00	Ret/OA	78.8	67.6
Glass/Door Cond	0	0	0	0	0	0	0	0	0.00	Fn MtrTD	0.0	0.0
Wall Cond	0	0	0	0	0	0	0	0	0.00	Fn BldTD	0.0	0.0
Partition/Door	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	0.00			
Adjacent Floor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Infiltration	549		549	53	129	27	-318	-318	63.21			
Sub Total ==>	549	246	796	77	129	27	-318	-417	83.01			
<b>Internal Loads</b>					<b>Internal Loads</b>							
Lights	216	54	270	26	216	46	0	0	0.00			
People	0	0	0	0	0	0	0	0	0.00			
Misc	0	0	0	0	0	0	0	0	0.00			
Sub Total ==>	216	54	270	26	216	46	0	0	0.00			
Ceiling Load	119	-119	0	0	124	26	-74	0	0.00			
Ventilation Load	0	0	0	0	0	0	0	0	0.00			
Adj Air Trans Heat	0		0	0	0	0	0	0	0			
Dehumid. Ov Sizing			0	0			0	0	0.00			
Ov/Undr Sizing	0		0	0	0	0	0	23	-4.67			
Exhaust Heat		-38	-38	-4			0	0	0.00			
Sup. Fan Heat			0	0			0	0	0.00			
Ret. Fan Heat		0	0	0			0	-97	19.21			
Duct Heat Pkup		0	0	0			0	-12	2.45			
Underflr Sup Ht Pkup			0	0			0	0	0.00			
Supply Air Leakage		0	0	0			0	0	0.00			
Grand Total ==>	884	144	1,028	100.00	470	100.00	-392	-503	100.00			

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	0.1	1.0	0.6	18	78.8	63.9	65.0	51.6	42.3	99			Floor	-0.5	5	51.6	135.2	Main Htg
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	Aux Htg
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0			Int Door	0.0	0	0.0	0.0	Preheat
										0			ExFlr	-0.1	5	51.6	70.0	Reheat
Total	0.1	1.0								107	0	0	Roof	0.0	0	0.0	0.0	Humidif
										0	0	0	Wall	0.0	0	0.0	0.0	Opt Vent
										0	0	0	Ext Door	-0.5				Total

# Room Checksums

By RLF

131 CORR

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 16					Mo/Hr: 7 / 15			Mo/Hr: Heating Design					
Outside Air: OADB/WB/HR: 88 / 78 / 133					OADB: 88			OADB: 38					
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	(%)			
<b>Envelope Loads</b>					<b>Envelope Loads</b>								
Skylite Solar	0	0	0	0	0	0	0	0	0	0.00	SADB	51.6	135.2
Skylite Cond	0	0	0	0	0	0	0	0	0	0.00	Ra Plenum	78.8	67.6
Roof Cond	0	556	556	24	0	0	0	0	-226	19.88	Return	78.8	67.6
Glass Solar	0	0	0	0	0	0	0	0	0	0.00	Ret/OA	78.8	67.6
Glass/Door Cond	0	0	0	0	0	0	0	0	0	0.00	Fn MtrTD	0.0	0.0
Wall Cond	0	0	0	0	0	0	0	0	0	0.00	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	1,243		1,243	53	292	27	292	-719	-719	63.21			
Sub Total ==>	1,243	556	1,799	77	292	27	292	-719	-945	83.08			
<b>Internal Loads</b>					<b>Internal Loads</b>								
Lights	489	122	612	26	489	46	489	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 ==>	489	122	612	26	489	46	489	0	0	0.00			
Ceiling Load	268	-268	0	0	281	26	281	-168	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			
Dehumid. Ov Sizing			0	0				0	0	0.00			
Ov/Undr Sizing	0		0	0	0	0	0	0	53	-4.67			
Exhaust Heat		-85	-85	-4				0	0	0.00			
Sup. Fan Heat			0	0				0	0	0.00			
Ret. Fan Heat		0	0	0				-219	19.21				
Duct Heat Pkup		0	0	0				-27	2.38				
Underflr Sup Ht Pkup			0	0				0	0	0.00			
Supply Air Leakage		0	0	0				0	0	0.00			
Grand Total ==>	2,001	325	2,326	100.00	1,063	100.00	1,063	-887	-1,138	100.00			

AIRFLOWS		
	Cooling	Heating
Diffuser	41	12
Terminal	41	12
Main Fan	41	12
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	20	20
MinStop/Rh	12	12
Return	61	32
Exhaust	20	20
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	0.05
cfm/ton	210.02	
ft²/ton	1,155.67	
Btu/hr-ft²	10.38	-5.08
No. People	0.0	0.0/1000 ft²

COOLING COIL SELECTION										AREAS				HEATING COIL SELECTION				
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass			Capacity	Coil Airflow	Ent	Lvg
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft²	(%)		MBh	cfm	°F	°F
Main Clg	0.2	2.3	1.4	40	78.8	63.9	65.0	51.6	42.3	25.3	Floor	224		Main Htg	-1.1	12	51.6	135.2
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0		Reheat	-0.3	12	51.6	70.0
Total	0.2	2.3									Roof	243	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	-1.1			

# Room Checksums

By RLF

## 132 CORR NORTH

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time: Mo/Hr: 7 / 16					Mo/Hr: 7 / 15					Mo/Hr: Heating Design					Cooling Heating		
Outside Air: OADB/WB/HR: 88 / 78 / 133					OADB: 88					OADB: 38					SADB	51.6	147.9
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total		Space Sensible	Percent Of Total				Space Peak	Coil Peak	Percent			Ra Plenum	78.8	67.6
Btu/h	Btu/h	Btu/h	(%)		Btu/h	(%)				Space Sens	Tot Sens	Of Total			Return	78.8	67.6
										Btu/h	Btu/h	(%)			Ret/OA	78.8	67.6
<b>Envelope Loads</b>					<b>Envelope Loads</b>										Fn MtrTD	0.0	0.0
Skylite Solar	0	0	0	0	0	0	0	0	0	0	0	0.00			Fn BldTD	0.0	0.0
Skylite Cond	0	0	0	0	0	0	0	0	0	0	0	0.00			Fn Frict	0.0	0.0
Roof Cond	0	331	331	27	0	0	0	0	0	0	-114	17.24			<b>AIRFLOWS</b>		
Glass Solar	0	0	0	0	0	0	0	0	0	0	0	0.00			Cooling Heating		
Glass/Door Cond	0	0	0	0	0	0	0	0	0	0	0	0.00			Diffuser	21	6
Wall Cond	0	0	0	0	0	0	0	0	0	0	0	0.00			Terminal	21	6
Partition/Door	0	0	0	0	0	0	0	0	0	0	0	0.00			Main Fan	21	6
Floor	0	0	0	0	0.00	0	0	0	0	-88	-88	13.26			Sec Fan	0	0
Adjacent Floor	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0.00	0.00	0.00			Nom Vent	0	0
Infiltration	629		629	51	148	27				-364	-364	54.83			AHU Vent	0	0
Sub Total ==>	629	331	960	78	148	27				-452	-566	85.33			Infil	10	10
<b>Internal Loads</b>					<b>Internal Loads</b>										MinStop/Rh	6	6
Lights	248	62	310	25	248	46				0	0	0.00			Return	31	16
People	0	0	0	0	0	0				0	0	0.00			Exhaust	10	10
Misc	0	0	0	0	0	0				0	0	0.00			Rm Exh	0	0
Sub Total ==>	248	62	310	25	248	46				0	0	0.00			Auxiliary	0	0
Ceiling Load	136	-136	0	0	142	26				-85	0	0.00			Leakage Dwn	0	0
Ventilation Load	0	0	0	0	0	0				0	0	0.00			Leakage Ups	0	0
Adj Air Trans Heat	0		0	0	0	0				0	0	0			<b>ENGINEERING CKS</b>		
Dehumid. Ov Sizing			0	0						0	0	0.00			Cooling Heating		
Ov/Undr Sizing	0		0	0	0	0					27	-4.05			% OA	0.0	0.0
Exhaust Heat		-43	-43	-4							0	0.00			cfm/ft²	0.18	0.05
Sup. Fan Heat			0	0							0	0.00			cfm/ton	201.49	
Ret. Fan Heat		0	0	0							-111	16.66			ft²/ton	1,108.74	
Duct Heat Pkup		0	0	0							-14	2.06			Btu/hr-ft²	10.82	-5.85
Underflr Sup Ht Pkup			0	0							0	0.00			No. People	0.0	0.0/1000 ft²
Supply Air Leakage		0	0	0							0	0.00					
Grand Total ==>	1,012	214	1,227	100.00	538	100.00				-537	-664	100.00					

COOLING COIL SELECTION										AREAS				HEATING COIL SELECTION				
Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass			Capacity	Coil Airflow	Ent	Lvg	
ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft²	(%)		MBh	cfm	°F	°F	
Main Clg	0.1	1.2	0.7	20	78.8	63.9	65.0	51.6	41.2	21.8	Floor	113		Main Htg	-0.7	6	51.6	147.9
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	6		Reheat	-0.1	6	51.6	70.0
Total	0.1	1.2									Roof	123	0	Humidif	0.0	0	0.0	0.0
											Wall	0	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	Total	-0.7			



# Room Checksums

By RLF

132 CORR SOUTH

COOLING COIL PEAK					CLG SPACE PEAK		HEATING COIL PEAK			TEMPERATURES		
Peaked at Time: Mo/Hr: 9 / 15					Mo/Hr: 11 / 15		Mo/Hr: Heating Design			Cooling Heating		
Outside Air: OADB/WB/HR: 86 / 77 / 124					OADB: 75		OADB: 38					
	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	0.00	SADB	51.6	113.1
Skylite Cond	0	0	0	0	0	0	Skylite Cond	0	0.00	Ra Plenum	78.7	67.6
Roof Cond	0	472	472	15	0	0	Roof Cond	0	9.86	Return	78.7	67.6
Glass Solar	598	0	598	19	952	44	Glass Solar	0	0.00	Ret/OA	78.7	67.6
Glass/Door Cond	104	0	104	3	2	0	Glass/Door Cond	-295	17.46	Fn MtrTD	0.0	0.0
Wall Cond	512	247	759	24	660	31	Wall Cond	-145	12.57	Fn BldTD	0.0	0.0
Partition/Door	0		0	0	0	0	Partition/Door	0	0.00	Fn Frict	0.0	0.0
Floor	0		0	0	0.00	0	Floor	-88	5.21			
Adjacent Floor	0.00	0.00	0.00	0.00	0.00	0.00	Adjacent Floor	0.00	0.00			
Infiltration	796		796	26	7	0	Infiltration	-531	31.47			
Sub Total ==>	2,009	719	2,728	87	1,621	76	Sub Total ==>	-1,059	-1,293	76.56		
Internal Loads							Internal Loads					
Lights	362	90	452	14	362	17	Lights	0	0.00			
People	0	0	0	0	0	0	People	0	0.00			
Misc	0	0	0	0	0	0	Misc	0	0.00			
Sub Total ==>	362	90	452	14	362	17	Sub Total ==>	0	0.00			
Ceiling Load	196	-196	0	0	160	7	Ceiling Load	-124	0.00			
Ventilation Load	0	0	0	0	0	0	Ventilation Load	0	0.00			
Adj Air Trans Heat	0		0	0	0	0	Adj Air Trans Heat	0	0			
Dehumid. Ov Sizing			0	0			Ov/Undr Sizing	0	0.00			
Ov/Undr Sizing	0		0	0	0	0	Exhaust Heat	39	-2.33			
Exhaust Heat		-62	-62	-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	-441	26.09			
Duct Heat Pkup		0	0	0			System Plenum Heat	6	-0.33			
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 ==>	2,567	551	3,118	100.00	2,143	100.00	Grand Total ==>	-1,184	-1,689	100.00		

AIRFLOWS		
	Cooling	Heating
Diffuser	82	25
Terminal	82	25
Main Fan	82	25
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	15	15
MinStop/Rh	25	25
Return	97	40
Exhaust	15	15
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	0.50	0.15
cfm/ton	315.86	
ft²/ton	637.11	
Btu/hr-ft²	18.84	-10.20
No. People	0.0	0.0/1000 ft²

AIRFLOWS		
	Cooling	Heating
Diffuser	82	25
Terminal	82	25
Main Fan	82	25
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	15	15
MinStop/Rh	25	25
Return	97	40
Exhaust	15	15
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	0.50	0.15
cfm/ton	315.86	
ft²/ton	637.11	
Btu/hr-ft²	18.84	-10.20
No. People	0.0	0.0/1000 ft²

COOLING COIL SELECTION										AREAS				HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total		Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb			ft²	(%)	MBh	cfm	°F	°F	
Main Clg	0.3	3.1	2.5	75	78.7	63.9	65.0	51.6	49.4	48.8	Floor	166			Main Htg	-1.7	25	51.6	113.1
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0			Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0			Preheat	0.0	0	0.0	0.0
											ExFlr	6			Reheat	-0.5	25	51.6	70.0
Total	0.3	3.1									Roof	179	0	0	Humidif	0.0	0	0.0	0.0
											Wall	66	16	25	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	Total	-1.7			

# ENTERED VALUES

## ROOM BY ROOM

By RLF

Room Description: 118 S TLT

Zone Description: Zone - 1-1-1

System Description: AHU

GENERAL INFORMATION			PEOPLE		AIRFLOW INFORMATION		
Floor Area: 44 ft²	Fir-Fir Height: 12.0 ft		People Type: General Office Space		Cooling	Heating	
Plenum Height: 3.0 ft	Height Above Fir:		# of People: 0 People		Vent Type: None	None	
Slab Cnstr Type: 4" LW Concrete			People Sensible: 250 Btu/h		Vent Value: 0.00 cfm	0.00 cfm	
Room Mass: Time delay based on actual mass			People Latent : 200 Btu/h		Vent Schedule: Available (100%)		
Ceiling R-Value: 1.786 hr·ft²·°F/Btu			People Schedule: Cooling Only (Design)		Infil Type: Neutral, Average Const.	Neutral, Average Const.	
Is there Carpet?: YES					Infil Value: 0.60 air changes/hr	0.60 air changes/hr	
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F			Workstation: 0.0 workstation/person		Infil Schedule: Available (100%)		
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F					Vav Airflow:		
Design Relative Humidity: 50 %					Vav Sched: Available (100%)		
Moisture Capacitance: Medium					Supply: To be calculated	To be calculated	
Clg Tstat: None					Aux Supply: To be calculated	To be calculated	
Htg Tstat: None					Room Exhaust:		
Thermostat Location:Room	Floor Multiplier: 1				Rm Exh Sched: Available (100%)		
Humidistat Location:Room	Room Multiplier: 1						
CO2 Sensor Location:None							
Room Type:Conditioned							

Description	Area/ Amount	Dir	Const Type / Tilt Schedule	U Value Btu/h·ft²·°F	Alpha	Glass					Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
						Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading				
Roof - 1	29 ft²	0	67 R-30 Roof	0.0314	0.90		0			Overhang - None	None				
Roof - 2	99 ft²	270	67 R-30 Roof	0.0314	0.90		0			Overhang - None	None				
NORTH	104 ft²	0	0 ASHRAE 90.1 MASS	0.1374	0.90										
WEST	83 ft²	270	0 ASHRAE 90.1 MASS	0.1374	0.90										
Floor - 1															16 0.50

# ENTERED VALUES

## ROOM BY ROOM

By RLF

Room Description: 119 CONF/CONSULT

Zone Description: Zone - 1-1-2

System Description: AHU

GENERAL INFORMATION			PEOPLE		AIRFLOW INFORMATION		
Floor Area: 102 ft²	Fir-Fir Height: 12.0 ft		People Type: General Office Space		Cooling	Heating	
Plenum Height: 3.0 ft	Height Above Fir:		# of People: 4 People		Vent Type: None	None	
Slab Cnstr Type: 4" LW Concrete			People Sensible: 250 Btu/h		Vent Value: 0.00 cfm	0.00 cfm	
Room Mass: Time delay based on actual mass			People Latent : 200 Btu/h		Vent Schedule: Available (100%)		
Ceiling R-Value: 1.786 hr·ft²·°F/Btu			People Schedule: Cooling Only (Design)		Infil Type: Neutral, Average Const.	Neutral, Average Const.	
Is There Carpet?: YES					Infil Value: 0.60 air changes/hr	0.60 air changes/hr	
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F			Workstation: 0.0 workstation/person		Infil Schedule: Available (100%)		
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F					Vav Airflow:		
Design Relative Humidity: 50 %					Vav Sched: Available (100%)		
Moisture Capacitance: Medium					Supply: To be calculated	To be calculated	
Clg Tstat: None					Aux Supply: To be calculated	To be calculated	
Htg Tstat: None					Room Exhaust:		
Thermostat Location:Room	Floor Multiplier: 1				Rm Exh Sched: Available (100%)		
Humidistat Location:Room	Room Multiplier: 1						
CO2 Sensor Location:None							
Room Type:Conditioned							

Description	Area/ Amount	Dir	Const Type / Tilt Schedule	U Value Btu/h·ft²·°F	Alpha	Glass					Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
						Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading				
Roof - 1	16 ft²	0	67 R-30 Roof	0.0314	0.90		0			Overhang - None	None				
Roof - 2	94 ft²	270	90 R-30 Roof	0.0314	0.90		0			Overhang - None	None				
WEST	108 ft²	270	0 ASHRAE 90.1 MASS	0.1374	0.90										
Opening - 1			Window			90.1-2013 Window	16	0.29	0.57	Overhang -	None	0.00			
Floor - 1															9 0.50

# ENTERED VALUES

## ROOM BY ROOM

By RLF

### Room Description: 120 PROVIDER OFF

### Zone Description: Zone - 1-1-2

### System Description: AHU

GENERAL INFORMATION				PEOPLE				AIRFLOW INFORMATION					
Floor Area: 113 ft²	Flr-Flr Height: 12.0 ft			People Type: General Office Space				Cooling	Heating				
Plenum Height: 3.0 ft	Height Above Flr:			# of People: 2 People				Vent Type: None	None				
Slab Cnstr Type: 4" LW Concrete				People Sensible: 250 Btu/h				Vent Value: 0.00 cfm	0.00 cfm				
Room Mass: Time delay based on actual mass				People Latent : 200 Btu/h				Vent Schedule: Available (100%)					
Ceiling R-Value: 1.786 hr-ft²-°F/Btu				People Schedule: Cooling Only (Design)				Infil Type: Neutral, Average Const.	Neutral, Average Const.				
Is There Carpet?: YES								Infil Value: 0.60 air changes/hr	0.60 air changes/hr				
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F				Workstation: 0.0 workstation/person				Infil Schedule: Available (100%)					
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F								Vav Airflow:					
Design Relative Humidity: 50 %								Vav Sched: Available (100%)					
Moisture Capacitance: Medium				LIGHTS				Supply: To be calculated	To be calculated				
Clg Tstat: None				Lighting Type: Recessed fluorescent, not vented, 80% load				Aux Supply: To be calculated	To be calculated				
Htg Tstat: None				to space				Room Exhaust:					
Thermostat Location:Room	Floor Multiplier: 1			Fixture Type: RECFL-NV				Rm Exh Sched: Available (100%)					
Humidistat Location:Room	Room Multiplier: 1			% Load to RA: 20 %									
CO2 Sensor Location:None				Lighting Schedule: Cooling Only (Design)									
Room Type:Conditioned				Lighting Amount: 0.800 W/sq ft									
				Ballast Factor: 1.0									

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h-ft²-°F	Alpha	Glass				Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
							Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h-ft²-°F	External Shading	Internal Shading			
Roof - 1	122 ft²	270	67	R-30 Roof	0.0314	0.90		0			Overhang - None	None			
WEST	108 ft²	270	0	ASHRAE 90.1 MASS	0.1374	0.90									
Opening - 1				Window			90.1-2013 Window	16	0.29	0.57	Overhang -	None	0.00		
Floor - 1															9 0.50

### Room Description: 111 TEAM STATION

### Zone Description: Zone - 1-1-3

### System Description: AHU

GENERAL INFORMATION				PEOPLE				AIRFLOW INFORMATION					
Floor Area: 150 ft²	Flr-Flr Height: 12.0 ft			People Type: General Office Space				Cooling	Heating				
Plenum Height: 3.0 ft	Height Above Flr:			# of People: 4 People				Vent Type: None	None				
Slab Cnstr Type: 4" LW Concrete				People Sensible: 250 Btu/h				Vent Value: 0.00 cfm	0.00 cfm				
Room Mass: Time delay based on actual mass				People Latent : 200 Btu/h				Vent Schedule: Available (100%)					
Ceiling R-Value: 1.786 hr-ft²-°F/Btu				People Schedule: Cooling Only (Design)				Infil Type: Neutral, Average Const.	Neutral, Average Const.				
Is There Carpet?: YES								Infil Value: 0.60 air changes/hr	0.60 air changes/hr				
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F				Workstation: 0.0 workstation/person				Infil Schedule: Available (100%)					
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F								Vav Airflow:					
Design Relative Humidity: 50 %								Vav Sched: Available (100%)					
Moisture Capacitance: Medium				LIGHTS				Supply: To be calculated	To be calculated				
Clg Tstat: None				Lighting Type: Recessed fluorescent, not vented, 80% load				Aux Supply: To be calculated	To be calculated				
Htg Tstat: None				to space				Room Exhaust:					
Thermostat Location:Room	Floor Multiplier: 1			Fixture Type: RECFL-NV				Rm Exh Sched: Available (100%)					
Humidistat Location:Room	Room Multiplier: 1			% Load to RA: 20 %									
CO2 Sensor Location:None				Lighting Schedule: Cooling Only (Design)									
Room Type:Conditioned				Lighting Amount: 0.800 W/sq ft									
				Ballast Factor: 1.0									

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h-ft²-°F	Alpha	Glass				Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
							Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h-ft²-°F	External Shading	Internal Shading			
Roof - 1	163 ft²	0	67	R-30 Roof	0.0314	0.90		0			Overhang - None	None			
Misc Load 1	1.00 W/sq ft			Cooling Only (Design)			None						100	100	0 60.00

# ENTERED VALUES

## ROOM BY ROOM

By RLF

### Room Description: 125 TEAM STATION

### Zone Description: Zone - 1-1-3

### System Description: AHU

GENERAL INFORMATION				PEOPLE				AIRFLOW INFORMATION			
Floor Area: 198 ft²	Flr-Flr Height: 12.0 ft			People Type: General Office Space				<u>Cooling</u>		<u>Heating</u>	
Plenum Height: 3.0 ft	Height Above Flr:			# of People: 6 People				Vent Type: None		None	
Slab Cnstr Type: 4" LW Concrete				People Sensible: 250 Btu/h				Vent Value: 0.00 cfm		0.00 cfm	
Room Mass: Time delay based on actual mass				People Latent : 200 Btu/h				Vent Schedule: Available (100%)			
Ceiling R-Value: 1.786 hr-ft²·°F/Btu				People Schedule: Cooling Only (Design)				Infil Type: Neutral, Average Const.		Neutral, Average Const.	
Is There Carpet?: YES								Infil Value: 0.60 air changes/hr		0.60 air changes/hr	
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F				Workstation: 0.0 workstation/person				Infil Schedule: Available (100%)			
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F								Vav Airflow:			
Design Relative Humidity: 50 %				<u>LIGHTS</u>				Vav Sched: Available (100%)			
Moisture Capacitance: Medium				Lighting Type: Recessed fluorescent, not vented, 80% load				Supply: To be calculated		To be calculated	
Clg Tstat: None				to space				Aux Supply: To be calculated		To be calculated	
Htg Tstat: None				Fixture Type: RECFL-NV				Room Exhaust:			
Thermostat Location:Room	Floor Multiplier: 1			% Load to RA: 20 %				Rm Exh Sched: Available (100%)			
Humidistat Location:Room	Room Multiplier: 1			Lighting Schedule: Cooling Only (Design)							
CO2 Sensor Location:None				Lighting Amount: 0.800 W/sq ft							
Room Type:Conditioned				Ballast Factor: 1.0							

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass				Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
							Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading			
Roof - 1	99 ft²	270	67	R-30 Roof	0.0314	0.90		0			Overhang - None	None			
Roof - 2	116 ft²	0	67	R-30 Roof	0.0314	0.90		0			Overhang - None	None			
Misc Load 1	1.00 W/sq ft			Cooling Only (Design)			None						100	100	0 60.00

### Room Description: 126 B TLT

### Zone Description: Zone - 1-1-3

### System Description: AHU

GENERAL INFORMATION				PEOPLE				AIRFLOW INFORMATION			
Floor Area: 198 ft²	Flr-Flr Height: 12.0 ft			People Type: General Office Space				<u>Cooling</u>		<u>Heating</u>	
Plenum Height: 3.0 ft	Height Above Flr:			# of People: 0 People				Vent Type: None		None	
Slab Cnstr Type: 4" LW Concrete				People Sensible: 250 Btu/h				Vent Value: 0.00 cfm		0.00 cfm	
Room Mass: Time delay based on actual mass				People Latent : 200 Btu/h				Vent Schedule: Available (100%)			
Ceiling R-Value: 1.786 hr-ft²·°F/Btu				People Schedule: Cooling Only (Design)				Infil Type: Neutral, Average Const.		Neutral, Average Const.	
Is There Carpet?: YES								Infil Value: 0.60 air changes/hr		0.60 air changes/hr	
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F				Workstation: 0.0 workstation/person				Infil Schedule: Available (100%)			
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F								Vav Airflow:			
Design Relative Humidity: 50 %				<u>LIGHTS</u>				Vav Sched: Available (100%)			
Moisture Capacitance: Medium				Lighting Type: Recessed fluorescent, not vented, 80% load				Supply: To be calculated		To be calculated	
Clg Tstat: None				to space				Aux Supply: To be calculated		To be calculated	
Htg Tstat: None				Fixture Type: RECFL-NV				Room Exhaust:			
Thermostat Location:Room	Floor Multiplier: 1			% Load to RA: 20 %				Rm Exh Sched: Available (100%)			
Humidistat Location:Room	Room Multiplier: 1			Lighting Schedule: Cooling Only (Design)							
CO2 Sensor Location:None				Lighting Amount: 0.800 W/sq ft							
Room Type:Conditioned				Ballast Factor: 1.0							

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass				Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
							Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading			
Roof - 1	137 ft²	0	67	R-30 Roof	0.0314	0.90		0			Overhang - None	None			

# ENTERED VALUES

## ROOM BY ROOM

By RLF

### Room Description: 129 CORR CENTRAL

### Zone Description: Zone - 1-1-3

### System Description: AHU

GENERAL INFORMATION				PEOPLE				AIRFLOW INFORMATION					
Floor Area: 125 ft²	Flr-Flr Height: 12.0 ft			People Type: General Office Space				<u>Cooling</u>		<u>Heating</u>			
Plenum Height: 3.0 ft	Height Above Flr:			# of People: 0 People				Vent Type: None		None			
Slab Cnstr Type: 4" LW Concrete				People Sensible: 250 Btu/h				Vent Value: 0.00 cfm		0.00 cfm			
Room Mass: Time delay based on actual mass				People Latent : 200 Btu/h				Vent Schedule: Available (100%)					
Ceiling R-Value: 1.786 hr-ft²-°F/Btu				People Schedule: Cooling Only (Design)				Infil Type: Neutral, Average Const.		Neutral, Average Const.			
Is There Carpet?: YES								Infil Value: 0.60 air changes/hr		0.60 air changes/hr			
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F				Workstation: 0.0 workstation/person				Infil Schedule: Available (100%)					
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F								Vav Airflow:					
Design Relative Humidity: 50 %								Vav Sched: Available (100%)					
Moisture Capacitance: Medium				<u>LIGHTS</u>				Supply: To be calculated		To be calculated			
Clg Tstat: None				Lighting Type: Recessed fluorescent, not vented, 80% load				Aux Supply: To be calculated		To be calculated			
Htg Tstat: None				to space				Room Exhaust:					
Thermostat Location:Room	Floor Multiplier: 1			Fixture Type: RECFL-NV				Rm Exh Sched: Available (100%)					
Humidistat Location:Room	Room Multiplier: 1			% Load to RA: 20 %									
CO2 Sensor Location:None				Lighting Schedule: Cooling Only (Design)									
Room Type:Conditioned				Lighting Amount: 0.800 W/sq ft									
				Ballast Factor: 1.0									

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h-ft²-°F	Alpha	Glass					Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
							Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h-ft²-°F	External Shading	Internal Shading				
Roof - 1	129 ft²	0	67	R-30 Roof	0.0314	0.90		0			Overhang - None	None				
Roof - 2	6 ft²	180	67	R-30 Roof	0.0314	0.90		0			Overhang - None	None				
Floor - 1															15	0.50

### Room Description: 130 CORR

### Zone Description: Zone - 1-1-3

### System Description: AHU

GENERAL INFORMATION				PEOPLE				AIRFLOW INFORMATION					
Floor Area: 99 ft²	Flr-Flr Height: 12.0 ft			People Type: General Office Space				<u>Cooling</u>		<u>Heating</u>			
Plenum Height: 3.0 ft	Height Above Flr:			# of People: 0 People				Vent Type: None		None			
Slab Cnstr Type: 4" LW Concrete				People Sensible: 250 Btu/h				Vent Value: 0.00 cfm		0.00 cfm			
Room Mass: Time delay based on actual mass				People Latent : 200 Btu/h				Vent Schedule: Available (100%)					
Ceiling R-Value: 1.786 hr-ft²-°F/Btu				People Schedule: Cooling Only (Design)				Infil Type: Neutral, Average Const.		Neutral, Average Const.			
Is There Carpet?: YES								Infil Value: 0.60 air changes/hr		0.60 air changes/hr			
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F				Workstation: 0.0 workstation/person				Infil Schedule: Available (100%)					
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F								Vav Airflow:					
Design Relative Humidity: 50 %								Vav Sched: Available (100%)					
Moisture Capacitance: Medium				<u>LIGHTS</u>				Supply: To be calculated		To be calculated			
Clg Tstat: None				Lighting Type: Recessed fluorescent, not vented, 80% load				Aux Supply: To be calculated		To be calculated			
Htg Tstat: None				to space				Room Exhaust:					
Thermostat Location:Room	Floor Multiplier: 1			Fixture Type: RECFL-NV				Rm Exh Sched: Available (100%)					
Humidistat Location:Room	Room Multiplier: 1			% Load to RA: 20 %									
CO2 Sensor Location:None				Lighting Schedule: Cooling Only (Design)									
Room Type:Conditioned				Lighting Amount: 0.800 W/sq ft									
				Ballast Factor: 1.0									

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h-ft²-°F	Alpha	Glass					Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
							Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h-ft²-°F	External Shading	Internal Shading				
Roof - 1	92 ft²	0	67	R-30 Roof	0.0314	0.90		0			Overhang - None	None				
Roof - 2	15 ft²	180	67	R-30 Roof	0.0314	0.90		0			Overhang - None	None				

# ENTERED VALUES

## ROOM BY ROOM

By RLF

### Room Description: 131 CORR

### Zone Description: Zone - 1-1-3

### System Description: AHU

GENERAL INFORMATION				PEOPLE		AIRFLOW INFORMATION				
Floor Area: 224 ft²	Flr-Flr Height: 12.0 ft			People Type: General Office Space		<u>Cooling</u>		<u>Heating</u>		
Plenum Height: 3.0 ft	Height Above Flr:			# of People: 0 People		Vent Type: None		None		
Slab Cnstr Type: 4" LW Concrete				People Sensible: 250 Btu/h		Vent Value: 0.00 cfm		0.00 cfm		
Room Mass: Time delay based on actual mass				People Latent : 200 Btu/h		Vent Schedule: Available (100%)				
Ceiling R-Value: 1.786 hr-ft²-°F/Btu				People Schedule: Cooling Only (Design)		Infil Type: Neutral, Average Const.		Neutral, Average Const.		
Is There Carpet?: YES						Infil Value: 0.60 air changes/hr		0.60 air changes/hr		
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F				Workstation: 0.0 workstation/person		Infil Schedule: Available (100%)				
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F						Vav Airflow:				
Design Relative Humidity: 50 %						Vav Sched: Available (100%)				
Moisture Capacitance: Medium						Supply: To be calculated		To be calculated		
Clg Tstat: None						Aux Supply: To be calculated		To be calculated		
Htg Tstat: None						Room Exhaust:				
Thermostat Location:Room	Floor Multiplier: 1					Rm Exh Sched: Available (100%)				
Humidistat Location:Room	Room Multiplier: 1									
CO2 Sensor Location:None										
Room Type:Conditioned										

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h-ft²-°F	Alpha	Glass		Area ft²	Shade Coef	U Value Btu/h-ft²-°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
							Type / Energy Type											
Roof - 1	243 ft²	0	67	R-30 Roof	0.0314	0.90			0			Overhang - None	None					

### Room Description: 132 CORR NORTH

### Zone Description: Zone - 1-1-3

### System Description: AHU

GENERAL INFORMATION				PEOPLE		AIRFLOW INFORMATION				
Floor Area: 113 ft²	Flr-Flr Height: 12.0 ft			People Type: General Office Space		<u>Cooling</u>		<u>Heating</u>		
Plenum Height: 3.0 ft	Height Above Flr:			# of People: 0 People		Vent Type: None		None		
Slab Cnstr Type: 4" LW Concrete				People Sensible: 250 Btu/h		Vent Value: 0.00 cfm		0.00 cfm		
Room Mass: Time delay based on actual mass				People Latent : 200 Btu/h		Vent Schedule: Available (100%)				
Ceiling R-Value: 1.786 hr-ft²-°F/Btu				People Schedule: Cooling Only (Design)		Infil Type: Neutral, Average Const.		Neutral, Average Const.		
Is There Carpet?: YES						Infil Value: 0.60 air changes/hr		0.60 air changes/hr		
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F				Workstation: 0.0 workstation/person		Infil Schedule: Available (100%)				
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F						Vav Airflow:				
Design Relative Humidity: 50 %						Vav Sched: Available (100%)				
Moisture Capacitance: Medium						Supply: To be calculated		To be calculated		
Clg Tstat: None						Aux Supply: To be calculated		To be calculated		
Htg Tstat: None						Room Exhaust:				
Thermostat Location:Room	Floor Multiplier: 1					Rm Exh Sched: Available (100%)				
Humidistat Location:Room	Room Multiplier: 1									
CO2 Sensor Location:None										
Room Type:Conditioned										

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h-ft²-°F	Alpha	Glass		Area ft²	Shade Coef	U Value Btu/h-ft²-°F	External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
							Type / Energy Type											
Roof - 1	25 ft²	0	67	R-30 Roof	0.0314	0.90			0			Overhang - None	None					
Roof - 3	98 ft²	270	67	R-30 Roof	0.0314	0.90			0			Overhang - None	None					
Floor - 1																		6 0.50

# ENTERED VALUES

## ROOM BY ROOM

By RLF

Room Description: 121 EXAM ROOM 10

Zone Description: Zone - 1-1-4

System Description: AHU

GENERAL INFORMATION			PEOPLE		AIRFLOW INFORMATION		
Floor Area: 116 ft²	Fir-Fir Height: 12.0 ft		People Type: General Office Space		Cooling	Heating	
Plenum Height: 3.0 ft	Height Above Fir:		# of People: 2 People		Vent Type: None	None	
Slab Cnstr Type: 4" LW Concrete			People Sensible: 250 Btu/h		Vent Value: 0.00 cfm	0.00 cfm	
Room Mass: Time delay based on actual mass			People Latent : 200 Btu/h		Vent Schedule: Available (100%)		
Ceiling R-Value: 1.786 hr-ft²·°F/Btu			People Schedule: Cooling Only (Design)		Infil Type: Neutral, Average Const.	Neutral, Average Const.	
Is there Carpet?: YES					Infil Value: 0.60 air changes/hr	0.60 air changes/hr	
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F			Workstation: 0.0 workstation/person		Infil Schedule: Available (100%)		
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F					Vav Airflow:		
Design Relative Humidity: 50 %					Vav Sched: Available (100%)		
Moisture Capacitance: Medium					Supply: To be calculated	To be calculated	
Clg Tstat: None					Aux Supply: To be calculated	To be calculated	
Htg Tstat: None					Room Exhaust:		
Thermostat Location:Room	Floor Multiplier: 1				Rm Exh Sched: Available (100%)		
Humidistat Location:Room	Room Multiplier: 1						
CO2 Sensor Location:None							
Room Type:Conditioned							

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass				Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
							Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading			
Roof - 1	126 ft²	270	67	R-30 Roof	0.0314	0.90		0			Overhang - None	None			
WEST	135 ft²	270	0	ASHRAE 90.1 MASS	0.1374	0.90									
Opening - 1				Window			90.1-2013 Window	33	0.29	0.57	Overhang -	None	0.00		
Misc Load 1	1.00 W/sq ft			Cooling Only (Design)			None						100	100	0 60.00
Floor - 1															11 0.50



# ENTERED VALUES

## ROOM BY ROOM

By RLF

Room Description: 122 EXAM ROOM 9

Zone Description: Zone - 1-1-4

System Description: AHU

GENERAL INFORMATION			PEOPLE		AIRFLOW INFORMATION		
Floor Area: 116 ft²	Fir-Fir Height: 12.0 ft		People Type: General Office Space		Cooling	Heating	
Plenum Height: 3.0 ft	Height Above Fir:		# of People: 2 People		Vent Type: None	None	
Slab Cnstr Type: 4" LW Concrete			People Sensible: 250 Btu/h		Vent Value: 0.00 cfm	0.00 cfm	
Room Mass: Time delay based on actual mass			People Latent : 200 Btu/h		Vent Schedule: Available (100%)		
Ceiling R-Value: 1.786 hr-ft²·°F/Btu			People Schedule: Cooling Only (Design)		Infil Type: Neutral, Average Const.	Neutral, Average Const.	
Is there Carpet?: YES					Infil Value: 0.60 air changes/hr	0.60 air changes/hr	
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F			Workstation: 0.0 workstation/person		Infil Schedule: Available (100%)		
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F					Vav Airflow:		
Design Relative Humidity: 50 %					Vav Sched: Available (100%)		
Moisture Capacitance: Medium					Supply: To be calculated	To be calculated	
Clg Tstat: None					Aux Supply: To be calculated	To be calculated	
Htg Tstat: None					Room Exhaust:		
Thermostat Location:Room	Floor Multiplier: 1				Rm Exh Sched: Available (100%)		
Humidistat Location:Room	Room Multiplier: 1						
CO2 Sensor Location:None							
Room Type:Conditioned							

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass			External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
							Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F						
Roof - 1	126 ft²	270	67	R-30 Roof	0.0314	0.90		0			Overhang - None	None				
WEST	123 ft²	270	0	ASHRAE 90.1 MASS	0.1374	0.90										
Opening - 1				Window			90.1-2013 Window	33	0.29	0.57	Overhang -	None	0.00			
Misc Load 1	1.00 W/sq ft			Cooling Only (Design)			None							100	100	0 60.00
Floor - 1																10 0.50

# ENTERED VALUES

## ROOM BY ROOM

By RLF

### Room Description: 123 EXAM ROOM 8

### Zone Description: Zone - 1-1-4

### System Description: AHU

GENERAL INFORMATION				PEOPLE		AIRFLOW INFORMATION			
Floor Area: 116 ft²	Fir-Fir Height: 12.0 ft			People Type: General Office Space		<u>Cooling</u>		<u>Heating</u>	
Plenum Height: 3.0 ft	Height Above Fir:			# of People: 2 People		Vent Type: None		None	
Slab Cnstr Type: 4" LW Concrete				People Sensible: 250 Btu/h		Vent Value: 0.00 cfm		0.00 cfm	
Room Mass: Time delay based on actual mass				People Latent : 200 Btu/h		Vent Schedule: Available (100%)			
Ceiling R-Value: 1.786 hr-ft²·°F/Btu				People Schedule: Cooling Only (Design)		Infil Type: Neutral, Average Const.		Neutral, Average Const.	
Is there Carpet?: YES						Infil Value: 0.60 air changes/hr		0.60 air changes/hr	
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F				Workstation: 0.0 workstation/person		Infil Schedule: Available (100%)			
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F						Vav Airflow:			
Design Relative Humidity: 50 %				<u>LIGHTS</u>		Vav Sched: Available (100%)			
Moisture Capacitance: Medium				Lighting Type: Recessed fluorescent, not vented, 80% load		Supply: To be calculated		To be calculated	
Clg Tstat: None				to space		Aux Supply: To be calculated		To be calculated	
Htg Tstat: None				Fixture Type: RECFL-NV		Room Exhaust:			
Thermostat Location:Room	Floor Multiplier: 1			% Load to RA: 20 %		Rm Exh Sched: Available (100%)			
Humidistat Location:Room	Room Multiplier: 1			Lighting Schedule: Cooling Only (Design)					
CO2 Sensor Location:None				Lighting Amount: 0.800 W/sq ft					
Room Type:Conditioned				Ballast Factor: 1.0					

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass				Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
							Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading			
Roof - 1	126 ft²	270	67	R-30 Roof	0.0314	0.90		0			Overhang - None	None			
WEST	122 ft²	270	0	ASHRAE 90.1 MASS	0.1374	0.90									
Opening - 1				Window			90.1-2013 Window	16	0.29	0.57	Overhang -	None	0.00		
Misc Load 1	1.00 W/sq ft			Cooling Only (Design)			None						100	100	0 60.00
Floor - 1															10 0.50

# ENTERED VALUES

## ROOM BY ROOM

By RLF

### Room Description: 124 MECH

### Zone Description: Zone - 1-1-4

### System Description: AHU

GENERAL INFORMATION				PEOPLE		AIRFLOW INFORMATION			
Floor Area: 41 ft²	Fir-Fir Height: 12.0 ft			People Type: General Office Space		<u>Cooling</u>		<u>Heating</u>	
Plenum Height: 3.0 ft	Height Above Fir:			# of People: 0 People		Vent Type: None		None	
Slab Cnstr Type: 4" LW Concrete				People Sensible: 250 Btu/h		Vent Value: 0.00 cfm		0.00 cfm	
Room Mass: Time delay based on actual mass				People Latent : 200 Btu/h		Vent Schedule: Available (100%)			
Ceiling R-Value: 1.786 hr·ft²·°F/Btu				People Schedule: Cooling Only (Design)		Infil Type: Neutral, Average Const.		Neutral, Average Const.	
Is there Carpet?: YES						Infil Value: 0.60 air changes/hr		0.60 air changes/hr	
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F				Workstation: 0.0 workstation/person		Infil Schedule: Available (100%)			
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F						Vav Airflow:			
Design Relative Humidity: 50 %				<u>LIGHTS</u>		Vav Sched: Available (100%)			
Moisture Capacitance: Medium				Lighting Type: Recessed fluorescent, not vented, 80% load		Supply: To be calculated		To be calculated	
Clg Tstat: None				to space		Aux Supply: To be calculated		To be calculated	
Htg Tstat: None				Fixture Type: RECFL-NV		Room Exhaust:			
Thermostat Location:Room	Floor Multiplier: 1			% Load to RA: 20 %		Rm Exh Sched: Available (100%)			
Humidistat Location:Room	Room Multiplier: 1			Lighting Schedule: Cooling Only (Design)					
CO2 Sensor Location:None				Lighting Amount: 0.000 W/sq ft					
Room Type:Conditioned				Ballast Factor: 1.0					

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass				Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
							Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading			
Roof - 1	17 ft²	180	67	R-30 Roof	0.0314	0.90		0			Overhang - None	None			
Roof - 2	117 ft²	270	67	R-30 Roof	0.0314	0.90		0			Overhang - None	None			
SOUTH	108 ft²	180	0	ASHRAE 90.1 MASS	0.1374	0.90									
Opening - 1				Window			90.1-2013 Window	16	0.29	0.57	Overhang -	None	0.00		
Floor - 1														9	0.50

# ENTERED VALUES

## ROOM BY ROOM

By RLF

### Room Description: 100 LOBBY

### Zone Description: Zone - 1-2-1

### System Description: AHU

GENERAL INFORMATION				PEOPLE				AIRFLOW INFORMATION			
Floor Area: 420 ft²	Flr-Flr Height: 12.0 ft			People Type: General Office Space				Cooling	Heating		
Plenum Height: 3.0 ft	Height Above Flr:			# of People: 12 People				Vent Type: None	None		
Slab Cnstr Type: 4" LW Concrete				People Sensible: 250 Btu/h				Vent Value: 0.00 cfm	0.00 cfm		
Room Mass: Time delay based on actual mass				People Latent : 200 Btu/h				Vent Schedule: Available (100%)			
Ceiling R-Value: 1.786 hr-ft²-°F/Btu				People Schedule: Cooling Only (Design)				Infil Type: Neutral, Average Const.	Neutral, Average Const.		
Is There Carpet?: YES								Infil Value: 0.60 air changes/hr	0.60 air changes/hr		
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F				Workstation: 0.0 workstation/person				Infil Schedule: Available (100%)			
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F								Vav Airflow:			
Design Relative Humidity: 50 %				LIGHTS				Vav Sched: Available (100%)			
Moisture Capacitance: Medium				Lighting Type: Recessed fluorescent, not vented, 80% load				Supply: To be calculated	To be calculated		
Clg Tstat: None				to space				Aux Supply: To be calculated	To be calculated		
Htg Tstat: None				Fixture Type: RECFL-NV				Room Exhaust:			
Thermostat Location:Room	Floor Multiplier: 1			% Load to RA: 20 %				Rm Exh Sched: Available (100%)			
Humidistat Location:Room	Room Multiplier: 1			Lighting Schedule: Cooling Only (Design)							
CO2 Sensor Location:None				Lighting Amount: 0.800 W/sq ft							
Room Type:Conditioned				Ballast Factor: 1.0							

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h-ft²-°F	Alpha	Glass				Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
							Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h-ft²-°F	External Shading	Internal Shading			
Roof - 1	455 ft²	180	67	R-30 Roof	0.0314	0.90		0			Overhang - None	None			
SOUTH	492 ft²	180	0	ASHRAE 90.1 MASS	0.1374	0.90									
Opening - 1				Window			90.1-2013 Window	33	0.29	0.57	Overhang -	None	0.00		
Misc Load 1	0.50 W/sq ft			Cooling Only (Design)			None						100	100	0 60.00
Floor - 1														41	0.50

### Room Description: 101 W TLT

### Zone Description: Zone - 1-2-1

### System Description: AHU

GENERAL INFORMATION				PEOPLE				AIRFLOW INFORMATION			
Floor Area: 47 ft²	Flr-Flr Height: 12.0 ft			People Type: General Office Space				Cooling	Heating		
Plenum Height: 3.0 ft	Height Above Flr:			# of People: 0 People				Vent Type: None	None		
Slab Cnstr Type: 4" LW Concrete				People Sensible: 250 Btu/h				Vent Value: 0.00 cfm	0.00 cfm		
Room Mass: Time delay based on actual mass				People Latent : 200 Btu/h				Vent Schedule: Available (100%)			
Ceiling R-Value: 1.786 hr-ft²-°F/Btu				People Schedule: Cooling Only (Design)				Infil Type: Neutral, Average Const.	Neutral, Average Const.		
Is There Carpet?: YES								Infil Value: 0.60 air changes/hr	0.60 air changes/hr		
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F				Workstation: 0.0 workstation/person				Infil Schedule: Available (100%)			
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F								Vav Airflow:			
Design Relative Humidity: 50 %				LIGHTS				Vav Sched: Available (100%)			
Moisture Capacitance: Medium				Lighting Type: Recessed fluorescent, not vented, 80% load				Supply: To be calculated	To be calculated		
Clg Tstat: None				to space				Aux Supply: To be calculated	To be calculated		
Htg Tstat: None				Fixture Type: RECFL-NV				Room Exhaust:			
Thermostat Location:Room	Floor Multiplier: 1			% Load to RA: 20 %				Rm Exh Sched: Available (100%)			
Humidistat Location:Room	Room Multiplier: 1			Lighting Schedule: Cooling Only (Design)							
CO2 Sensor Location:None				Lighting Amount: 0.800 W/sq ft							
Room Type:Conditioned				Ballast Factor: 1.0							

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h-ft²-°F	Alpha	Glass				Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
							Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h-ft²-°F	External Shading	Internal Shading			
Roof - 1	51 ft²	180	67	R-30 Roof	0.0314	0.90		0			Overhang - None	None			

# ENTERED VALUES

## ROOM BY ROOM

By RLF

Room Description: 102 M TLT

Zone Description: Zone - 1-2-1

System Description: AHU

GENERAL INFORMATION				PEOPLE		AIRFLOW INFORMATION				
Floor Area: 47 ft²	Flr-Flr Height: 12.0 ft			People Type: General Office Space		<u>Cooling</u>		<u>Heating</u>		
Plenum Height: 3.0 ft	Height Above Flr:			# of People: 0 People		Vent Type: None		None		
Slab Cnstr Type: 4" LW Concrete				People Sensible: 250 Btu/h		Vent Value: 0.00 cfm		0.00 cfm		
Room Mass: Time delay based on actual mass				People Latent : 200 Btu/h		Vent Schedule: Available (100%)				
Ceiling R-Value: 1.786 hr·ft²·°F/Btu				People Schedule: Cooling Only (Design)		Infil Type: Neutral, Average Const.		Neutral, Average Const.		
Is There Carpet?: YES						Infil Value: 0.60 air changes/hr		0.60 air changes/hr		
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F				Workstation: 0.0 workstation/person		Infil Schedule: Available (100%)				
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F						Vav Airflow:				
Design Relative Humidity: 50 %				<u>LIGHTS</u>		Vav Sched: Available (100%)				
Moisture Capacitance: Medium				Lighting Type: Recessed fluorescent, not vented, 80% load		Supply: To be calculated		To be calculated		
Clg Tstat: None				to space		Aux Supply: To be calculated		To be calculated		
Htg Tstat: None				Fixture Type: RECFL-NV		Room Exhaust:				
Thermostat Location:Room	Floor Multiplier: 1			% Load to RA: 20 %		Rm Exh Sched: Available (100%)				
Humidistat Location:Room	Room Multiplier: 1			Lighting Schedule: Cooling Only (Design)						
CO2 Sensor Location:None				Lighting Amount: 0.800 W/sq ft						
Room Type:Conditioned				Ballast Factor: 1.0						

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass		External Shading	Internal Shading	Adj	Pct	Pct	Pct	Rad
							Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	Temp/ Grnd Refl	Sen/ Cool Tmp	Rm/ Heat Tmp	Ret/ Perm Len	Frc/ Loss Coef
Roof - 1	51 ft²	180	67	R-30 Roof	0.0314	0.90		0		Overhang - None	None				

Room Description: 113 ELEC

Zone Description: Zone - 1-2-2

System Description: AHU

GENERAL INFORMATION				PEOPLE		AIRFLOW INFORMATION				
Floor Area: 55 ft²	Flr-Flr Height: 12.0 ft			People Type: General Office Space		<u>Cooling</u>		<u>Heating</u>		
Plenum Height: 3.0 ft	Height Above Flr:			# of People: 0 People		Vent Type: None		None		
Slab Cnstr Type: 4" LW Concrete				People Sensible: 250 Btu/h		Vent Value: 0.00 cfm		0.00 cfm		
Room Mass: Time delay based on actual mass				People Latent : 200 Btu/h		Vent Schedule: Available (100%)				
Ceiling R-Value: 1.786 hr·ft²·°F/Btu				People Schedule: Cooling Only (Design)		Infil Type: Neutral, Average Const.		Neutral, Average Const.		
Is There Carpet?: YES						Infil Value: 0.60 air changes/hr		0.60 air changes/hr		
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F				Workstation: 0.0 workstation/person		Infil Schedule: Available (100%)				
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F						Vav Airflow:				
Design Relative Humidity: 50 %				<u>LIGHTS</u>		Vav Sched: Available (100%)				
Moisture Capacitance: Medium				Lighting Type: Recessed fluorescent, not vented, 80% load		Supply: To be calculated		To be calculated		
Clg Tstat: None				to space		Aux Supply: To be calculated		To be calculated		
Htg Tstat: None				Fixture Type: RECFL-NV		Room Exhaust:				
Thermostat Location:Room	Floor Multiplier: 1			% Load to RA: 20 %		Rm Exh Sched: Available (100%)				
Humidistat Location:Room	Room Multiplier: 1			Lighting Schedule: Cooling Only (Design)						
CO2 Sensor Location:None				Lighting Amount: 0.800 W/sq ft						
Room Type:Conditioned				Ballast Factor: 1.0						

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass		External Shading	Internal Shading	Adj	Pct	Pct	Pct	Rad
							Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	Temp/ Grnd Refl	Sen/ Cool Tmp	Rm/ Heat Tmp	Ret/ Perm Len	Frc/ Loss Coef
Roof - 1	60 ft²	0	67	R-30 Roof	0.0314	0.90		0		Overhang - None	None				
NORTH	65 ft²	0	0	ASHRAE 90.1 MASS	0.1374	0.90									
Misc Load 1	2.00 W/sq ft			Cooling Only (Design)			None					100	100	0	60.00
Floor - 1														5	0.50

# ENTERED VALUES

## ROOM BY ROOM

By RLF

Room Description: 114 EVS

Zone Description: Zone - 1-2-2

System Description: AHU

GENERAL INFORMATION			PEOPLE		AIRFLOW INFORMATION		
Floor Area: 57 ft²	Fir-Fir Height: 12.0 ft		People Type: General Office Space		<u>Cooling</u>	<u>Heating</u>	
Plenum Height: 3.0 ft	Height Above Fir:		# of People: 0 People		Vent Type: None	None	
Slab Cnstr Type: 4" LW Concrete			People Sensible: 250 Btu/h		Vent Value: 0.00 cfm	0.00 cfm	
Room Mass: Time delay based on actual mass			People Latent : 200 Btu/h		Vent Schedule: Available (100%)		
Ceiling R-Value: 1.786 hr-ft²·°F/Btu			People Schedule: Cooling Only (Design)		Infil Type: Neutral, Average Const.	Neutral, Average Const.	
Is there Carpet?: YES					Infil Value: 0.60 air changes/hr	0.60 air changes/hr	
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F			Workstation: 0.0 workstation/person		Infil Schedule: Available (100%)		
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F					Vav Airflow:		
Design Relative Humidity: 50 %			<u>LIGHTS</u>		Vav Sched: Available (100%)		
Moisture Capacitance: Medium			Lighting Type: Recessed fluorescent, not vented, 80% load		Supply: To be calculated	To be calculated	
Clg Tstat: None			to space		Aux Supply: To be calculated	To be calculated	
Htg Tstat: None			Fixture Type: RECFL-NV		Room Exhaust:		
Thermostat Location:Room	Floor Multiplier: 1		% Load to RA: 20 %		Rm Exh Sched: Available (100%)		
Humidistat Location:Room	Room Multiplier: 1		Lighting Schedule: Cooling Only (Design)				
CO2 Sensor Location:None			Lighting Amount: 0.800 W/sq ft				
Room Type:Conditioned			Ballast Factor: 1.0				

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass			External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
							Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F						
Roof - 1	62 ft²	0	67	R-30 Roof	0.0314	0.90		0			Overhang - None	None				
NORTH	79 ft²	0	0	ASHRAE 90.1 MASS	0.1374	0.90										
Opening - 1				Window			90.1-2013 Window	33	0.29	0.57	Overhang -	None	0.00			
Floor - 1															7	0.50

# ENTERED VALUES

## ROOM BY ROOM

By RLF

Room Description: 115 SOIL

Zone Description: Zone - 1-2-2

System Description: AHU

GENERAL INFORMATION				PEOPLE		AIRFLOW INFORMATION			
Floor Area: 56 ft²	Fir-Fir Height: 12.0 ft			People Type: General Office Space		<u>Cooling</u>		<u>Heating</u>	
Plenum Height: 3.0 ft	Height Above Fir:			# of People: 0 People		Vent Type: None		None	
Slab Cnstr Type: 4" LW Concrete				People Sensible: 250 Btu/h		Vent Value: 0.00 cfm		0.00 cfm	
Room Mass: Time delay based on actual mass				People Latent : 200 Btu/h		Vent Schedule: Available (100%)			
Ceiling R-Value: 1.786 hr·ft²·°F/Btu				People Schedule: Cooling Only (Design)		Infil Type: Neutral, Average Const.		Neutral, Average Const.	
Is there Carpet?: YES						Infil Value: 0.60 air changes/hr		0.60 air changes/hr	
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F				Workstation: 0.0 workstation/person		Infil Schedule: Available (100%)			
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F						Vav Airflow:			
Design Relative Humidity: 50 %				<u>LIGHTS</u>		Vav Sched: Available (100%)			
Moisture Capacitance: Medium				Lighting Type: Recessed fluorescent, not vented, 80% load		Supply: To be calculated		To be calculated	
Clg Tstat: None				to space		Aux Supply: To be calculated		To be calculated	
Htg Tstat: None				Fixture Type: RECFL-NV		Room Exhaust:			
Thermostat Location:Room	Floor Multiplier: 1			% Load to RA: 20 %		Rm Exh Sched: Available (100%)			
Humidistat Location:Room	Room Multiplier: 1			Lighting Schedule: Cooling Only (Design)					
CO2 Sensor Location:None				Lighting Amount: 0.800 W/sq ft					
Room Type:Conditioned				Ballast Factor: 1.0					

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass					Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
							Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading				
Roof - 1	61 ft²	0	67	R-30 Roof	0.0314	0.90		0			Overhang - None	None				
NORTH	55 ft²	0	0	ASHRAE 90.1 MASS	0.1374	0.90										
Floor - 1																5 0.50

# ENTERED VALUES

## ROOM BY ROOM

By RLF

Room Description: 116 MANAGER OFF

Zone Description: Zone - 1-2-2

System Description: AHU

GENERAL INFORMATION			PEOPLE		AIRFLOW INFORMATION		
Floor Area: 102 ft²	Fir-Fir Height: 12.0 ft		People Type: General Office Space		Cooling	Heating	
Plenum Height: 3.0 ft	Height Above Fir:		# of People: 2 People		Vent Type: None	None	
Slab Cnstr Type: 4" LW Concrete			People Sensible: 250 Btu/h		Vent Value: 0.00 cfm	0.00 cfm	
Room Mass: Time delay based on actual mass			People Latent : 200 Btu/h		Vent Schedule: Available (100%)		
Ceiling R-Value: 1.786 hr·ft²·°F/Btu			People Schedule: Cooling Only (Design)		Infil Type: Neutral, Average Const.	Neutral, Average Const.	
Is there Carpet?: YES					Infil Value: 0.60 air changes/hr	0.60 air changes/hr	
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F			Workstation: 0.0 workstation/person		Infil Schedule: Available (100%)		
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F					Vav Airflow:		
Design Relative Humidity: 50 %					Vav Sched: Available (100%)		
Moisture Capacitance: Medium					Supply: To be calculated	To be calculated	
Clg Tstat: None					Aux Supply: To be calculated	To be calculated	
Htg Tstat: None					Room Exhaust:		
Thermostat Location:Room	Floor Multiplier: 1				Rm Exh Sched: Available (100%)		
Humidistat Location:Room	Room Multiplier: 1						
CO2 Sensor Location:None							
Room Type:Conditioned							

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass				Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
							Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading			
Roof - 1	111 ft²	0	67	R-30 Roof	0.0314	0.90		0			Overhang - None	None			
NORTH	116 ft²	0	0	ASHRAE 90.1 MASS	0.1374	0.90									
Opening - 1				Window			90.1-2013 Window	33	0.29	0.57	Overhang -	None	0.00		
Floor - 1														10	0.50



# ENTERED VALUES

## ROOM BY ROOM

By RLF

### Room Description: 109 PROVIDER OFF

### Zone Description: Zone - 1-2-3

### System Description: AHU

GENERAL INFORMATION				PEOPLE		AIRFLOW INFORMATION				
Floor Area: 117 ft²	Flr-Flr Height: 12.0 ft			People Type: General Office Space		<u>Cooling</u>		<u>Heating</u>		
Plenum Height: 3.0 ft	Height Above Flr:			# of People: 2 People		Vent Type: None		None		
Slab Cnstr Type: 4" LW Concrete				People Sensible: 250 Btu/h		Vent Value: 0.00 cfm		0.00 cfm		
Room Mass: Time delay based on actual mass				People Latent : 200 Btu/h		Vent Schedule: Available (100%)				
Ceiling R-Value: 1.786 hr-ft²-°F/Btu				People Schedule: Cooling Only (Design)		Infil Type: Neutral, Average Const.		Neutral, Average Const.		
Is There Carpet?: YES						Infil Value: 0.60 air changes/hr		0.60 air changes/hr		
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F				Workstation: 0.0 workstation/person		Infil Schedule: Available (100%)				
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F						Vav Airflow:				
Design Relative Humidity: 50 %				<u>LIGHTS</u>		Vav Sched: Available (100%)				
Moisture Capacitance: Medium				Lighting Type: Recessed fluorescent, not vented, 80% load		Supply: To be calculated		To be calculated		
Clg Tstat: None				to space		Aux Supply: To be calculated		To be calculated		
Htg Tstat: None				Fixture Type: RECFL-NV		Room Exhaust:				
Thermostat Location:Room	Floor Multiplier: 1			% Load to RA: 20 %		Rm Exh Sched: Available (100%)				
Humidistat Location:Room	Room Multiplier: 1			Lighting Schedule: Cooling Only (Design)						
CO2 Sensor Location:None				Lighting Amount: 0.800 W/sq ft						
Room Type:Conditioned				Ballast Factor: 1.0						

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h-ft²-°F	Alpha	Glass				Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
							Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h-ft²-°F	External Shading	Internal Shading			
Roof - 1	127 ft²	0	67	R-30 Roof	0.0314	0.90		0			Overhang - None	None			
NORTH	154 ft²	0	0	ASHRAE 90.1 MASS	0.1374	0.90									
Opening - 1				Window			90.1-2013 Window	33	0.29	0.57	Overhang -	None	0.00		
Misc Load 1	1.00 W/sq ft			Cooling Only (Design)			None						100	100	0 60.00
Floor - 1														13	0.50

### Room Description: 112 POC

### Zone Description: Zone - 1-2-3

### System Description: AHU

GENERAL INFORMATION				PEOPLE		AIRFLOW INFORMATION				
Floor Area: 20 ft²	Flr-Flr Height: 12.0 ft			People Type: General Office Space		<u>Cooling</u>		<u>Heating</u>		
Plenum Height: 3.0 ft	Height Above Flr:			# of People: 0 People		Vent Type: None		None		
Slab Cnstr Type: 4" LW Concrete				People Sensible: 250 Btu/h		Vent Value: 0.00 cfm		0.00 cfm		
Room Mass: Time delay based on actual mass				People Latent : 200 Btu/h		Vent Schedule: Available (100%)				
Ceiling R-Value: 1.786 hr-ft²-°F/Btu				People Schedule: Cooling Only (Design)		Infil Type: Neutral, Average Const.		Neutral, Average Const.		
Is There Carpet?: YES						Infil Value: 0.60 air changes/hr		0.60 air changes/hr		
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F				Workstation: 0.0 workstation/person		Infil Schedule: Available (100%)				
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F						Vav Airflow:				
Design Relative Humidity: 50 %				<u>LIGHTS</u>		Vav Sched: Available (100%)				
Moisture Capacitance: Medium				Lighting Type: Recessed fluorescent, not vented, 80% load		Supply: To be calculated		To be calculated		
Clg Tstat: None				to space		Aux Supply: To be calculated		To be calculated		
Htg Tstat: None				Fixture Type: RECFL-NV		Room Exhaust:				
Thermostat Location:Room	Floor Multiplier: 1			% Load to RA: 20 %		Rm Exh Sched: Available (100%)				
Humidistat Location:Room	Room Multiplier: 1			Lighting Schedule: Cooling Only (Design)						
CO2 Sensor Location:None				Lighting Amount: 0.800 W/sq ft						
Room Type:Conditioned				Ballast Factor: 1.0						

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h-ft²-°F	Alpha	Glass				Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
							Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h-ft²-°F	External Shading	Internal Shading			
Roof - 1	22 ft²	0	67	R-30 Roof	0.0314	0.90		0			Overhang - None	None			

# ENTERED VALUES

## ROOM BY ROOM

By RLF

### Room Description: 129 CORR NORTH

### Zone Description: Zone - 1-2-3

### System Description: AHU

GENERAL INFORMATION				PEOPLE		AIRFLOW INFORMATION				
Floor Area: 77 ft²	Flr-Flr Height: 12.0 ft			People Type: General Office Space		<u>Cooling</u>		<u>Heating</u>		
Plenum Height: 3.0 ft	Height Above Flr:			# of People: 0 People		Vent Type: None		None		
Slab Cnstr Type: 4" LW Concrete				People Sensible: 250 Btu/h		Vent Value: 0.00 cfm		0.00 cfm		
Room Mass: Time delay based on actual mass				People Latent : 200 Btu/h		Vent Schedule: Available (100%)				
Ceiling R-Value: 1.786 hr-ft²·°F/Btu				People Schedule: Cooling Only (Design)		Infil Type: Neutral, Average Const.		Neutral, Average Const.		
Is There Carpet?: YES						Infil Value: 0.60 air changes/hr		0.60 air changes/hr		
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F				Workstation: 0.0 workstation/person		Infil Schedule: Available (100%)				
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F						Vav Airflow:				
Design Relative Humidity: 50 %				<u>LIGHTS</u>		Vav Sched: Available (100%)				
Moisture Capacitance: Medium				Lighting Type: Recessed fluorescent, not vented, 80% load		Supply: To be calculated		To be calculated		
Clg Tstat: None				to space		Aux Supply: To be calculated		To be calculated		
Htg Tstat: None				Fixture Type: RECFL-NV		Room Exhaust:				
Thermostat Location:Room	Floor Multiplier: 1			% Load to RA: 20 %		Rm Exh Sched: Available (100%)				
Humidistat Location:Room	Room Multiplier: 1			Lighting Schedule: Cooling Only (Design)						
CO2 Sensor Location:None				Lighting Amount: 0.800 W/sq ft						
Room Type:Conditioned				Ballast Factor: 1.0						

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass				Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
							Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading			
Roof - 1	83 ft²	0	67	R-30 Roof	0.0314	0.90		0			Overhang - None	None			
NORTH	110 ft²	0	0	ASHRAE 90.1 MASS	0.1374	0.90									
Opening - 1				Door			90.1-13 Min Swinging	21	0.00	0.70	Overhang - None	None	0.00		
Floor - 1														15	0.50

### Room Description: 105 EXAM ROOM 2

### Zone Description: Zone - 1-2-4

### System Description: AHU

GENERAL INFORMATION				PEOPLE		AIRFLOW INFORMATION				
Floor Area: 117 ft²	Flr-Flr Height: 12.0 ft			People Type: General Office Space		<u>Cooling</u>		<u>Heating</u>		
Plenum Height: 3.0 ft	Height Above Flr:			# of People: 2 People		Vent Type: None		None		
Slab Cnstr Type: 4" LW Concrete				People Sensible: 250 Btu/h		Vent Value: 0.00 cfm		0.00 cfm		
Room Mass: Time delay based on actual mass				People Latent : 200 Btu/h		Vent Schedule: Available (100%)				
Ceiling R-Value: 1.786 hr-ft²·°F/Btu				People Schedule: Cooling Only (Design)		Infil Type: Neutral, Average Const.		Neutral, Average Const.		
Is There Carpet?: YES						Infil Value: 0.60 air changes/hr		0.60 air changes/hr		
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F				Workstation: 0.0 workstation/person		Infil Schedule: Available (100%)				
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F						Vav Airflow:				
Design Relative Humidity: 50 %				<u>LIGHTS</u>		Vav Sched: Available (100%)				
Moisture Capacitance: Medium				Lighting Type: Recessed fluorescent, not vented, 80% load		Supply: To be calculated		To be calculated		
Clg Tstat: None				to space		Aux Supply: To be calculated		To be calculated		
Htg Tstat: None				Fixture Type: RECFL-NV		Room Exhaust:				
Thermostat Location:Room	Floor Multiplier: 1			% Load to RA: 20 %		Rm Exh Sched: Available (100%)				
Humidistat Location:Room	Room Multiplier: 1			Lighting Schedule: Cooling Only (Design)						
CO2 Sensor Location:None				Lighting Amount: 0.800 W/sq ft						
Room Type:Conditioned				Ballast Factor: 1.0						

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass				Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
							Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading			
Roof - 1	127 ft²	180	67	R-30 Roof	0.0314	0.90		0			Overhang - None	None			
Misc Load 1	1.00 W/sq ft			Cooling Only (Design)			None						100	100	0 60.00

# ENTERED VALUES

## ROOM BY ROOM

By RLF

### Room Description: 106 EXAM ROOM 3

### Zone Description: Zone - 1-2-4

### System Description: AHU

GENERAL INFORMATION				PEOPLE		AIRFLOW INFORMATION				
Floor Area: 117 ft²	Flr-Flr Height: 12.0 ft			People Type: General Office Space		<u>Cooling</u>		<u>Heating</u>		
Plenum Height: 3.0 ft	Height Above Flr:			# of People: 2 People		Vent Type: None		None		
Slab Cnstr Type: 4" LW Concrete				People Sensible: 250 Btu/h		Vent Value: 0.00 cfm		0.00 cfm		
Room Mass: Time delay based on actual mass				People Latent : 200 Btu/h		Vent Schedule: Available (100%)				
Ceiling R-Value: 1.786 hr-ft²·°F/Btu				People Schedule: Cooling Only (Design)		Infil Type: Neutral, Average Const.		Neutral, Average Const.		
Is There Carpet?: YES						Infil Value: 0.60 air changes/hr		0.60 air changes/hr		
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F				Workstation: 0.0 workstation/person		Infil Schedule: Available (100%)				
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F						Vav Airflow:				
Design Relative Humidity: 50 %						Vav Sched: Available (100%)				
Moisture Capacitance: Medium						Supply: To be calculated		To be calculated		
Clg Tstat: None				<u>LIGHTS</u>		Aux Supply: To be calculated		To be calculated		
Htg Tstat: None				Lighting Type: Recessed fluorescent, not vented, 80% load		Room Exhaust:				
				to space		Rm Exh Sched: Available (100%)				
Thermostat Location:Room	Floor Multiplier: 1			Fixture Type: RECFL-NV						
Humidistat Location:Room	Room Multiplier: 1			% Load to RA: 20 %						
CO2 Sensor Location:None				Lighting Schedule: Cooling Only (Design)						
Room Type:Conditioned				Lighting Amount: 0.800 W/sq ft						
				Ballast Factor: 1.0						

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass				Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
							Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading			
Roof - 1	89 ft²	180	67	R-30 Roof	0.0314	0.90		0			Overhang - None	None			
Roof - 2	38 ft²	0	67	R-30 Roof	0.0314	0.90		0			Overhang - None	None			
Misc Load 1	1.00 W/sq ft			Cooling Only (Design)			None						100	100	0 60.00

### Room Description: 107 EXAMS ROOM 4

### Zone Description: Zone - 1-2-4

### System Description: AHU

GENERAL INFORMATION				PEOPLE		AIRFLOW INFORMATION				
Floor Area: 117 ft²	Flr-Flr Height: 12.0 ft			People Type: General Office Space		<u>Cooling</u>		<u>Heating</u>		
Plenum Height: 3.0 ft	Height Above Flr:			# of People: 2 People		Vent Type: None		None		
Slab Cnstr Type: 4" LW Concrete				People Sensible: 250 Btu/h		Vent Value: 0.00 cfm		0.00 cfm		
Room Mass: Time delay based on actual mass				People Latent : 200 Btu/h		Vent Schedule: Available (100%)				
Ceiling R-Value: 1.786 hr-ft²·°F/Btu				People Schedule: Cooling Only (Design)		Infil Type: Neutral, Average Const.		Neutral, Average Const.		
Is There Carpet?: YES						Infil Value: 0.60 air changes/hr		0.60 air changes/hr		
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F				Workstation: 0.0 workstation/person		Infil Schedule: Available (100%)				
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F						Vav Airflow:				
Design Relative Humidity: 50 %						Vav Sched: Available (100%)				
Moisture Capacitance: Medium				<u>LIGHTS</u>		Supply: To be calculated		To be calculated		
Clg Tstat: None				Lighting Type: Recessed fluorescent, not vented, 80% load		Aux Supply: To be calculated		To be calculated		
Htg Tstat: None				to space		Room Exhaust:				
Thermostat Location:Room	Floor Multiplier: 1			Fixture Type: RECFL-NV		Rm Exh Sched: Available (100%)				
Humidistat Location:Room	Room Multiplier: 1			% Load to RA: 20 %						
CO2 Sensor Location:None				Lighting Schedule: Cooling Only (Design)						
Room Type:Conditioned				Lighting Amount: 0.800 W/sq ft						
				Ballast Factor: 1.0						

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass				Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
							Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading			
Roof - 1	127 ft²	0	67	R-30 Roof	0.0314	0.90		0			Overhang - None	None			
Misc Load 1	1.00 W/sq ft			Cooling Only (Design)			None						100	100	0 60.00

# ENTERED VALUES

## ROOM BY ROOM

By RLF

### Room Description: 108 EXAM ROOM 5

### Zone Description: Zone - 1-2-4

### System Description: AHU

GENERAL INFORMATION				PEOPLE		AIRFLOW INFORMATION				
Floor Area: 117 ft²	Flr-Flr Height: 12.0 ft			People Type: General Office Space		<u>Cooling</u>		<u>Heating</u>		
Plenum Height: 3.0 ft	Height Above Flr:			# of People: 2 People		Vent Type: None		None		
Slab Cnstr Type: 4" LW Concrete				People Sensible: 250 Btu/h		Vent Value: 0.00 cfm		0.00 cfm		
Room Mass: Time delay based on actual mass				People Latent : 200 Btu/h		Vent Schedule: Available (100%)				
Ceiling R-Value: 1.786 hr-ft²-°F/Btu				People Schedule: Cooling Only (Design)		Infil Type: Neutral, Average Const.		Neutral, Average Const.		
Is There Carpet?: YES						Infil Value: 0.60 air changes/hr		0.60 air changes/hr		
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F				Workstation: 0.0 workstation/person		Infil Schedule: Available (100%)				
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F						Vav Airflow:				
Design Relative Humidity: 50 %						Vav Sched: Available (100%)				
Moisture Capacitance: Medium						Supply: To be calculated		To be calculated		
Clg Tstat: None				<u>LIGHTS</u>		Aux Supply: To be calculated		To be calculated		
Htg Tstat: None				Lighting Type: Recessed fluorescent, not vented, 80% load		Room Exhaust:				
				to space		Rm Exh Sched: Available (100%)				
Thermostat Location:Room	Floor Multiplier: 1			Fixture Type: RECFL-NV						
Humidistat Location:Room	Room Multiplier: 1			% Load to RA: 20 %						
CO2 Sensor Location:None				Lighting Schedule: Cooling Only (Design)						
Room Type:Conditioned				Lighting Amount: 0.800 W/sq ft						
				Ballast Factor: 1.0						

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h-ft²-°F	Alpha	Glass					Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
							Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h-ft²-°F	External Shading	Internal Shading				
Roof - 1	127 ft²	0	67	R-30 Roof	0.0314	0.90		0			Overhang - None	None				
Misc Load 1	1.00 W/sq ft			Cooling Only (Design)			None						100	100	0	60.00

### Room Description: 103 RECEPTION/SCHEDULING

### Zone Description: Zone - 1-2-5

### System Description: AHU

GENERAL INFORMATION				PEOPLE		AIRFLOW INFORMATION				
Floor Area: 325 ft²	Flr-Flr Height: 12.0 ft			People Type: General Office Space		<u>Cooling</u>		<u>Heating</u>		
Plenum Height: 3.0 ft	Height Above Flr:			# of People: 4 People		Vent Type: None		None		
Slab Cnstr Type: 4" LW Concrete				People Sensible: 250 Btu/h		Vent Value: 0.00 cfm		0.00 cfm		
Room Mass: Time delay based on actual mass				People Latent : 200 Btu/h		Vent Schedule: Available (100%)				
Ceiling R-Value: 1.786 hr-ft²-°F/Btu				People Schedule: Cooling Only (Design)		Infil Type: Neutral, Average Const.		Neutral, Average Const.		
Is There Carpet?: YES						Infil Value: 0.60 air changes/hr		0.60 air changes/hr		
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F				Workstation: 0.0 workstation/person		Infil Schedule: Available (100%)				
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F						Vav Airflow:				
Design Relative Humidity: 50 %						Vav Sched: Available (100%)				
Moisture Capacitance: Medium				<u>LIGHTS</u>		Supply: To be calculated		To be calculated		
Clg Tstat: None				Lighting Type: Recessed fluorescent, not vented, 80% load		Aux Supply: To be calculated		To be calculated		
Htg Tstat: None				to space		Room Exhaust:				
Thermostat Location:Room	Floor Multiplier: 1			Fixture Type: RECFL-NV		Rm Exh Sched: Available (100%)				
Humidistat Location:Room	Room Multiplier: 1			% Load to RA: 20 %						
CO2 Sensor Location:None				Lighting Schedule: Cooling Only (Design)						
Room Type:Conditioned				Lighting Amount: 0.800 W/sq ft						
				Ballast Factor: 1.0						

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h-ft²-°F	Alpha	Glass					Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
							Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h-ft²-°F	External Shading	Internal Shading				
Roof - 1	299 ft²	180	67	R-30 Roof	0.0314	0.90		0			Overhang - None	None				
Roof - 2	53 ft²	270	67	R-30 Roof	0.0314	0.90		0			Overhang - None	None				
Misc Load 1	1.00 W/sq ft			Cooling Only (Design)			None						100	100	0	60.00

# ENTERED VALUES

## ROOM BY ROOM

By RLF

### Room Description: 110 EXAM ROOM 6

### Zone Description: Zone - 1-2-5

### System Description: AHU

GENERAL INFORMATION				PEOPLE				AIRFLOW INFORMATION			
Floor Area: 116 ft²	Flr-Flr Height: 12.0 ft			People Type: General Office Space				<u>Cooling</u>		<u>Heating</u>	
Plenum Height: 3.0 ft	Height Above Flr:			# of People: 2 People				Vent Type: None		None	
Slab Cnstr Type: 4" LW Concrete				People Sensible: 250 Btu/h				Vent Value: 0.00 cfm		0.00 cfm	
Room Mass: Time delay based on actual mass				People Latent : 200 Btu/h				Vent Schedule: Available (100%)			
Ceiling R-Value: 1.786 hr-ft²·°F/Btu				People Schedule: Cooling Only (Design)				Infil Type: Neutral, Average Const.		Neutral, Average Const.	
Is There Carpet?: YES								Infil Value: 0.60 air changes/hr		0.60 air changes/hr	
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F				Workstation: 0.0 workstation/person				Infil Schedule: Available (100%)			
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F								Vav Airflow:			
Design Relative Humidity: 50 %								Vav Sched: Available (100%)			
Moisture Capacitance: Medium								Supply: To be calculated		To be calculated	
Clg Tstat: None				<u>LIGHTS</u>				Aux Supply: To be calculated		To be calculated	
Htg Tstat: None				Lighting Type: Recessed fluorescent, not vented, 80% load				Room Exhaust:			
				to space				Rm Exh Sched: Available (100%)			
Thermostat Location:Room	Floor Multiplier: 1			Fixture Type: RECFL-NV							
Humidistat Location:Room	Room Multiplier: 1			% Load to RA: 20 %							
CO2 Sensor Location:None				Lighting Schedule: Cooling Only (Design)							
Room Type:Conditioned				Lighting Amount: 0.800 W/sq ft							
				Ballast Factor: 1.0							

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Type / Energy Type	Area ft²	Shade Coef	Glass		Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
										U Value Btu/h·ft²·°F	External Shading						
Roof - 1	50 ft²	0	67	R-30 Roof	0.0314	0.90		0			Overhang - None	None					
Roof - 2	76 ft²	180	67	R-30 Roof	0.0314	0.90		0			Overhang - None	None					
Misc Load 1	1.00 W/sq ft			Cooling Only (Design)			None							100	100	0	60.00

### Room Description: 127 CLEAN STORAGE

### Zone Description: Zone - 1-2-5

### System Description: AHU

GENERAL INFORMATION				PEOPLE				AIRFLOW INFORMATION			
Floor Area: 92 ft²	Flr-Flr Height: 12.0 ft			People Type: General Office Space				<u>Cooling</u>		<u>Heating</u>	
Plenum Height: 3.0 ft	Height Above Flr:			# of People: 0 People				Vent Type: None		None	
Slab Cnstr Type: 4" LW Concrete				People Sensible: 250 Btu/h				Vent Value: 0.00 cfm		0.00 cfm	
Room Mass: Time delay based on actual mass				People Latent : 200 Btu/h				Vent Schedule: Available (100%)			
Ceiling R-Value: 1.786 hr-ft²·°F/Btu				People Schedule: Cooling Only (Design)				Infil Type: Neutral, Average Const.		Neutral, Average Const.	
Is There Carpet?: YES								Infil Value: 0.60 air changes/hr		0.60 air changes/hr	
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F				Workstation: 0.0 workstation/person				Infil Schedule: Available (100%)			
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F								Vav Airflow:			
Design Relative Humidity: 50 %								Vav Sched: Available (100%)			
Moisture Capacitance: Medium				<u>LIGHTS</u>				Supply: To be calculated		To be calculated	
Clg Tstat: None				Lighting Type: Recessed fluorescent, not vented, 80% load				Aux Supply: To be calculated		To be calculated	
Htg Tstat: None				to space				Room Exhaust:			
Thermostat Location:Room	Floor Multiplier: 1			Fixture Type: RECFL-NV				Rm Exh Sched: Available (100%)			
Humidistat Location:Room	Room Multiplier: 1			% Load to RA: 20 %							
CO2 Sensor Location:None				Lighting Schedule: Cooling Only (Design)							
Room Type:Conditioned				Lighting Amount: 0.800 W/sq ft							
				Ballast Factor: 1.0							

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Type / Energy Type	Area ft²	Shade Coef	Glass		Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
										U Value Btu/h·ft²·°F	External Shading						
Roof - 1	100 ft²	270	67	R-30 Roof	0.0314	0.90		0			Overhang - None	None					

# ENTERED VALUES

## ROOM BY ROOM

By RLF

### Room Description: 128 COMM

### Zone Description: Zone - 1-2-5

### System Description: AHU

GENERAL INFORMATION				PEOPLE		AIRFLOW INFORMATION			
Floor Area: 90 ft²	Fir-Fir Height: 12.0 ft			People Type: General Office Space		<u>Cooling</u>		<u>Heating</u>	
Plenum Height: 3.0 ft	Height Above Fir:			# of People: 0 People		Vent Type: None		None	
Slab Cnstr Type: 4" LW Concrete				People Sensible: 250 Btu/h		Vent Value: 0.00 cfm		0.00 cfm	
Room Mass: Time delay based on actual mass				People Latent : 200 Btu/h		Vent Schedule: Available (100%)			
Ceiling R-Value: 1.786 hr-ft²·°F/Btu				People Schedule: Cooling Only (Design)		Infil Type: Neutral, Average Const.		Neutral, Average Const.	
Is there Carpet?: YES						Infil Value: 0.60 air changes/hr		0.60 air changes/hr	
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F				Workstation: 0.0 workstation/person		Infil Schedule: Available (100%)			
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F						Vav Airflow:			
Design Relative Humidity: 50 %				<u>LIGHTS</u>		Vav Sched: Available (100%)			
Moisture Capacitance: Medium				Lighting Type: Recessed fluorescent, not vented, 80% load		Supply: To be calculated		To be calculated	
Clg Tstat: None				to space		Aux Supply: To be calculated		To be calculated	
Htg Tstat: None				Fixture Type: RECFL-NV		Room Exhaust:			
Thermostat Location:Room	Floor Multiplier: 1			% Load to RA: 20 %		Rm Exh Sched: Available (100%)			
Humidistat Location:Room	Room Multiplier: 1			Lighting Schedule: Cooling Only (Design)					
CO2 Sensor Location:None				Lighting Amount: 0.800 W/sq ft					
Room Type:Conditioned				Ballast Factor: 1.0					

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass				Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
							Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading			
Roof - 1	62 ft²	0	67	R-30 Roof	0.0314	0.90		0			Overhang - None	None			
Roof - 2	68 ft²	180	67	R-30 Roof	0.0314	0.90		0			Overhang - None	None			
Roof - 3	9 ft²	270	67	R-30 Roof	0.0314	0.90		0			Overhang - None	None			
Misc Load 1	12,000 Btuh			Cooling Only (Design)			None						100	100	0 60.00

# ENTERED VALUES

## ROOM BY ROOM

By RLF

### Room Description: 132 CORR SOUTH

### Zone Description: Zone - 1-2-5

### System Description: AHU

GENERAL INFORMATION			PEOPLE		AIRFLOW INFORMATION		
Floor Area: 166 ft²	Fir-Fir Height: 12.0 ft		People Type: General Office Space		<u>Cooling</u>	<u>Heating</u>	
Plenum Height: 3.0 ft	Height Above Fir:		# of People: 0 People		Vent Type: None	None	
Slab Cnstr Type: 4" LW Concrete			People Sensible: 250 Btu/h		Vent Value: 0.00 cfm	0.00 cfm	
Room Mass: Time delay based on actual mass			People Latent : 200 Btu/h		Vent Schedule: Available (100%)		
Ceiling R-Value: 1.786 hr·ft²·°F/Btu			People Schedule: Cooling Only (Design)		Infil Type: Neutral, Average Const.	Neutral, Average Const.	
Is There Carpet?: YES					Infil Value: 0.60 air changes/hr	0.60 air changes/hr	
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F			Workstation: 0.0 workstation/person		Infil Schedule: Available (100%)		
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F					Vav Airflow:		
Design Relative Humidity: 50 %			<u>LIGHTS</u>		Vav Sched: Available (100%)		
Moisture Capacitance: Medium			Lighting Type: Recessed fluorescent, not vented, 80% load		Supply: To be calculated	To be calculated	
Clg Tstat: None			to space		Aux Supply: To be calculated	To be calculated	
Htg Tstat: None			Fixture Type: RECFL-NV		Room Exhaust:		
Thermostat Location:Room	Floor Multiplier: 1		% Load to RA: 20 %		Rm Exh Sched: Available (100%)		
Humidistat Location:Room	Room Multiplier: 1		Lighting Schedule: Cooling Only (Design)				
CO2 Sensor Location:None			Lighting Amount: 0.800 W/sq ft				
Room Type:Conditioned			Ballast Factor: 1.0				

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass			External Shading	Internal Shading	Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
							Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F						
Roof - 2	70 ft²	180	67	R-30 Roof	0.0314	0.90		0			Overhang - None	None				
Roof - 3	109 ft²	270	67	R-30 Roof	0.0314	0.90		0			Overhang - None	None				
SOUTH	66 ft²	180	0	ASHRAE 90.1 MASS	0.1374	0.90										
Opening - 1				Window			90.1-2013 Window	16	0.29	0.57	Overhang -	None	0.00			
Floor - 1															6	0.50

# ENTERED VALUES

## ROOM BY ROOM

By RLF

### Room Description: 104 EXAM ROOM 1

### Zone Description: Zone - 1-2-6

### System Description: AHU

GENERAL INFORMATION				PEOPLE		AIRFLOW INFORMATION			
Floor Area: 117 ft²	Fir-Fir Height: 12.0 ft			People Type: General Office Space		<u>Cooling</u>		<u>Heating</u>	
Plenum Height: 3.0 ft	Height Above Fir:			# of People: 2 People		Vent Type: None		None	
Slab Cnstr Type: 4" LW Concrete				People Sensible: 250 Btu/h		Vent Value: 0.00 cfm		0.00 cfm	
Room Mass: Time delay based on actual mass				People Latent : 200 Btu/h		Vent Schedule: Available (100%)			
Ceiling R-Value: 1.786 hr-ft²·°F/Btu				People Schedule: Cooling Only (Design)		Infil Type: Neutral, Average Const.		Neutral, Average Const.	
Is there Carpet?: YES						Infil Value: 0.60 air changes/hr		0.60 air changes/hr	
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F				Workstation: 0.0 workstation/person		Infil Schedule: Available (100%)			
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F						Vav Airflow:			
Design Relative Humidity: 50 %				<u>LIGHTS</u>		Vav Sched: Available (100%)			
Moisture Capacitance: Medium				Lighting Type: Recessed fluorescent, not vented, 80% load		Supply: To be calculated		To be calculated	
Clg Tstat: None				to space		Aux Supply: To be calculated		To be calculated	
Htg Tstat: None				Fixture Type: RECFL-NV		Room Exhaust:			
Thermostat Location:Room	Floor Multiplier: 1			% Load to RA: 20 %		Rm Exh Sched: Available (100%)			
Humidistat Location:Room	Room Multiplier: 1			Lighting Schedule: Cooling Only (Design)					
CO2 Sensor Location:None				Lighting Amount: 0.800 W/sq ft					
Room Type:Conditioned				Ballast Factor: 1.0					

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass				Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
							Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading			
Roof - 1	127 ft²	180	67	R-30 Roof	0.0314	0.90		0			Overhang - None	None			
SOUTH	154 ft²	0	0	ASHRAE 90.1 MASS	0.1374	0.90									
Opening - 1				Door			90.1-13 Min Swinging	42	0.00	0.70	Overhang - None	None	0.00		
Misc Load 1	1.00 W/sq ft			Cooling Only (Design)			None						100	100	0 60.00
Floor - 1															13 0.50



# ENTERED VALUES

## ROOM BY ROOM

By RLF

### Room Description: 129 CORR SOUTH

### Zone Description: Zone - 1-2-6

### System Description: AHU

GENERAL INFORMATION				PEOPLE		AIRFLOW INFORMATION			
Floor Area: 155 ft²	Fir-Fir Height: 12.0 ft			People Type: General Office Space		<u>Cooling</u>		<u>Heating</u>	
Plenum Height: 3.0 ft	Height Above Fir:			# of People: 0 People		Vent Type: None		None	
Slab Cnstr Type: 4" LW Concrete				People Sensible: 250 Btu/h		Vent Value: 0.00 cfm		0.00 cfm	
Room Mass: Time delay based on actual mass				People Latent : 200 Btu/h		Vent Schedule: Available (100%)			
Ceiling R-Value: 1.786 hr·ft²·°F/Btu				People Schedule: Cooling Only (Design)		Infil Type: Neutral, Average Const.		Neutral, Average Const.	
Is there Carpet?: YES						Infil Value: 0.60 air changes/hr		0.60 air changes/hr	
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F				Workstation: 0.0 workstation/person		Infil Schedule: Available (100%)			
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F						Vav Airflow:			
Design Relative Humidity: 50 %				<u>LIGHTS</u>		Vav Sched: Available (100%)			
Moisture Capacitance: Medium				Lighting Type: Recessed fluorescent, not vented, 80% load		Supply: To be calculated		To be calculated	
Clg Tstat: None				to space		Aux Supply: To be calculated		To be calculated	
Htg Tstat: None				Fixture Type: RECFL-NV		Room Exhaust:			
Thermostat Location:Room	Floor Multiplier: 1			% Load to RA: 20 %		Rm Exh Sched: Available (100%)			
Humidistat Location:Room	Room Multiplier: 1			Lighting Schedule: Cooling Only (Design)					
CO2 Sensor Location:None				Lighting Amount: 0.800 W/sq ft					
Room Type:Conditioned				Ballast Factor: 1.0					

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass					Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Ret/ Perm Len	Rad Frc/ Loss Coef
							Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	Internal Shading				
Roof - 2	168 ft²	180	67	R-30 Roof	0.0314	0.90		0			Overhang - None	None				
SOUTH	66 ft²	180	0	ASHRAE 90.1 MASS	0.1374	0.90										
Floor - 1																15 0.50