22257 UCF B016A F&S Bldg Dept Reno

Location	
Building owner	
Program user	
Company	**RLF**
Comments	

By	**RLF**
Dataset name	**I:\22257\ME\Calculations\Load Calculations\TRACE\22257.trc**

Calculation time	**05:04 PM on 01/24/2023**
TRACE® 700 version	**6.3.4**

Location	**Orlando, Florida**	
Latitude	**28.0**	**deg**
Longitude	**81.0**	**deg**
Time Zone	**5**	
Elevation	**106**	**ft**
Barometric pressure	**29.8**	**in. Hg**
Air density	**0.0757**	**lb/cu ft**
Air specific heat	**0.2444**	**Btu/lb·°F**
Density-specific heat product	**1.1109**	**Btu/h·cfm·°F**
Latent heat factor	**4,890.3**	**Btu·min/h·cu ft**
Enthalpy factor	**4.5449**	**lb·min/hr·cu ft**
Summer design dry bulb	**95.0**	**°F**
Summer design wet bulb	**74.8**	**°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: 174-ENTRY/RECEPTION **Zone Description: No Zone**

GENERAL INFORMATION

Floor Area:	237 ft²	Flr-Flr Height:	10.0 ft
Plenum Height:	2.0 ft	Height Above Flr:	
Slab Cnstr Type:	4* LW Concrete		
Room Mass:	Time delay based on actual mass		
Ceiling R-Value:	1.786 hr·ft²·°F/Btu		
Is There Carpet?:	YES		
Design Clg DB / Drift Point:	75.0 °F / 81.0 °F		
Design Htg DB / Drift Point:	70.0 °F / 64.0 °F		
Design Relative Humidity:	50 %		
Moisture Capacitance:	Medium		
Clg Tstat:	None		
Htg Tstat:	None		
Thermostat Location:	Room	Floor Multiplier:	1
Humidistat Location:	Room	Room Multiplier:	1
CO2 Sensor Location:	None		
Room Type:	Conditioned		

PEOPLE

People Type:	General Office Space
# of People:	4 People
People Sensible:	250 Btu/h
People Latent :	200 Btu/h
People Schedule:	Cooling Only (Design)
Workstation:	1.0 workstation/person

LIGHTS

Lighting Type:	Recessed fluorescent, not vented, 80% load to space
Fixture Type:	RECFL-NV
% Load to RA:	20 %
Lighting Schedule:	Cooling Only (Design)
Lighting Amount:	1.000 W/sq ft
Ballast Factor:	1.0

AIRFLO

Cooling

Vent Type:	None
Vent Value:	0.06 cfm/sq ft
Vent Schedule:	Available (100%)
Infil Type:	None
Infil Value:	0.00 air changes/hr
Infil Schedule:	Available (100%)
Vav Airflow:	
Vav Sched:	Available (100%)
Supply:	To be calculated
Aux Supply:	To be calculated
Room Exhaust:	
Rm Exh Sched:	Available (100%)

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass Type / Energy Type	Glass Area ft²	Glass Shade Coef	Glass U Value Btu/h·ft²·°F	Glass External Shading	In Sh
Roof - 1	237 ft²	0	90	Steel Sheet, 2* Ins	0.1247	0.90		0			Overhang - None	N
Wall - 1	230 ft²	360	0	8* HW Block	0.4022	0.90						
Opening - 1				Window			Single Clear 1/4*	100	0.95	0.95	Overhang - None	N
Misc Load 1	2.00 W/sq ft			Cooling Only (Design)			None					
Partition - 1	155 ft²			8* HW Conc Block	0.4030							
Partition - 2	155 ft²			8* HW Conc Block	0.4030							
Floor - 1												

SYSTEM ENTERED VALUES

By RLF

AHU - Bypass VAV

Design Air Conditions

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

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 cofiguration:	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		
		Std62 Max Vent (Z) Ratio:		System ventilation flag:	Sum Room OA Reqs

Reset per worst case room schedule:	Off (0%)		Supply air path / duct location:	Return Air
Max reset:			Space convective gains to occupied layer:	
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 %

	Control Method	Control Type
Auxiliary cooling coil	Activate After Primary System	None
Auxiliary heating coil	Activate After Primary System	None
Auxiliary fan	No Fan	

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

Project Name: 22257 UCF B016A F&S Bldg Dept Reno
Dataset Name: I:\22257\ME\Calculations\Load Calculations\TRACE\22257.trc
Location:
Building Owner:
Program User:
Company: RLF
Comments:

Cooling Design Period:	January thru December
Peak Hour Override:	0
Daylight Savings Period:	
Summer Period:	
Cooling Methodology:	TETD-TA1
Heating Methodology:	UATD
Infiltration Methodology:	Vary with wind speed
Outside Film Methodology:	Vary with wind speed
Terrain Methodology:	Center of a large city
Room Circ Rate:	Medium
Wall Load To Plenum:	YES
Building Orientation:	0 degrees from north
Simulation Hours:	Reduced year
Calendar Code:	Standard (1978)
Energy Simulation Period:	January thru December

Location:	Orlando, Florida	
Summer Design Dry Bulb:	95.00	°F
Summer Design Wet Bulb:	74.80	°F
Winter Design Dry Bulb:	38.00	°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

Force VAV Min => Nominal Ventilation at Design:	No
Allow Energy Recovery/Transfer at Design:	No
Retest Design Peaks:	Yes
Calculate Building Block Loads:	No

Close ventilation dampers during unoccupied hours: Yes

System Checksums

By RLF

AHU **Bypass VAV**

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 6 / 16
Outside Air: OADB/WB/HR: 94 / 75 / 99

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	11,229	11,229	24
Glass Solar	3,773	0	3,773	8
Glass/Door Cond	2,089	0	2,089	4
Wall Cond	2,296	648	2,944	6
Partition/Door	11,122		11,122	24
Floor	0		0	0
Adjacent Floor	0.00	0.00	0.00	0.00
Infiltration	0		0	0
Sub Total ==>	19,280	11,877	31,157	66
Internal Loads				
Lights	2,796	699	3,495	7
People	4,500	0	4,500	10
Misc	5,188	0	5,188	11
Sub Total ==>	12,484	699	13,183	28
Ceiling Load	1,974	-1,974	0	0
Ventilation Load	0	0	3,106	7
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-415	-415	-1
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	33,738	10,187	47,031	100.00

CLG SPACE PEAK

Mo/Hr: 6 / 18
OADB: 91

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	3,980	12
Glass/Door Cond	1,937	6
Wall Cond	2,694	8
Partition/Door	11,281	35
Floor	0.00	0
Adjacent Floor	0.00	0.00
Infiltration	0	0
Sub Total ==>	19,892	62
Internal Loads		
Lights	2,796	9
People	2,500	8
Misc	5,188	16
Sub Total ==>	10,484	33
Ceiling Load	1,745	5
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Grand Total ==>	32,122	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 38

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	-2,739	9.18
Glass Solar	0	0	0.00
Glass/Door Cond	-3,294	-3,294	11.04
Wall Cond	-3,086	-3,870	12.98
Partition/Door	-12,264	-12,264	41.11
Floor	-613	-613	2.06
Adjacent Floor	0.00	0.00	0.00
Infiltration	0	0	0.00
Sub Total ==>	-19,257	-22,780	76.37
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-3,426	0	0.00
Ventilation Load	0	-2,184	7.32
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		721	-2.42
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		-5,585	18.72
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-22,683	-29,828	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.1	70.0
Ra Plenum	81.1	59.4
Return	81.1	59.4
Ret/OA	81.7	58.5
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	1,453	439
Terminal	1,453	439
Main Fan	1,453	1,462
Sec Fan	0	0
Nom Vent	61	61
AHU Vent	61	61
Infil	0	0
MinStop/Rh	439	439
Return	1,453	1,453
Exhaust	61	61
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	4.2	4.2
cfm/ft²	1.42	1.42
cfm/ton	370.73	
ft²/ton	261.28	
Btu/hr·ft²	45.93	-29.24
No. People	10	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	3.9	47.0	43.3	1,436	81.7	63.5	59.0	55.1	52.3	54.2
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	3.9	47.0								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	1,024		
Part	1,444		
Int Door	0		
ExFlr	38		
Roof	1,024	0	0
Wall	427	100	23
Ext Door	24	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-29.9	0	0.0	0.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Reheat	-7.3	439	55.1	70.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-29.9			

Room Checksums

By RLF

174-ENTRY/RECEPTION

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 6 / 16
Outside Air: OADB/WB/HR: 94 / 75 / 99

	Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total
	Btu/h	Btu/h	Btu/h	(%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	2,592	2,592	16
Glass Solar	3,773	0	3,773	23
Glass/Door Cond	1,904	0	1,904	11
Wall Cond	750	299	1,049	6
Partition/Door	2,504		2,504	15
Floor	0		0	0
Adjacent Floor	0.00	0.00	0.00	0.00
Infiltration	0		0	0
Sub Total ==>	8,931	2,891	11,823	71
Internal Loads				
Lights	647	162	809	5
People	1,800	0	1,800	11
Misc	1,618	0	1,618	10
Sub Total ==>	4,065	162	4,227	25
Ceiling Load	457	-457	0	0
Ventilation Load	0	0	719	4
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-96	-96	-1
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	13,453	2,500	16,672	100.00

CLG SPACE PEAK

Mo/Hr: 6 / 18
OADB: 91

	Space Sensible	Percent Of Total
	Btu/h	(%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	3,980	31
Glass/Door Cond	1,765	14
Wall Cond	895	7
Partition/Door	2,504	20
Floor	0.00	0
Adjacent Floor	0.00	0.00
Infiltration	0	0
Sub Total ==>	9,144	71
Internal Loads		
Lights	647	5
People	1,000	8
Misc	1,618	13
Sub Total ==>	3,265	25
Ceiling Load	404	3
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing		
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	12,813	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 38

	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total
	Btu/h	Btu/h	(%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	-634	6.01
Glass Solar	0	0	0.00
Glass/Door Cond	-2,989	-2,989	28.34
Wall Cond	-1,078	-1,474	13.97
Partition/Door	-2,504	-2,504	23.74
Floor	-306	-306	2.90
Adjacent Floor	0.00	0.00	0.00
Infiltration	0	0	0.00
Sub Total ==>	-6,877	-7,907	74.96
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-793	0	0.00
Ventilation Load	0	-506	4.79
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		167	-1.58
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		-2,456	23.28
System Plenum Heat		154	-1.46
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-7,670	-10,548	100.00

COOLING COIL SELECTION

	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	1.4	16.7	15.5	580	81.4	63.3	58.2	55.1	53.4	58.2
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.4	16.7								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	237		
Part	311		
Int Door	0		
ExFlr	19		
Roof	237	0	0
Wall	230	100	44
Ext Door	0	0	0

HE

Main Htg
Aux Htg
Preheat
Reheat
Humidif
Opt Vent
Total

Zone Checksums

By RLF

174-ENTRY/RECEPTION

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 6 / 16
Outside Air: OADB/WB/HR: 94 / 75 / 99

	Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total
	Btu/h	Btu/h	Btu/h	(%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	2,592	2,592	16
Glass Solar	3,773	0	3,773	23
Glass/Door Cond	1,904	0	1,904	11
Wall Cond	750	299	1,049	6
Partition/Door	2,504		2,504	15
Floor	0		0	0
Adjacent Floor	0.00	0.00	0.00	0.00
Infiltration	0		0	0
Sub Total ==>	8,931	2,891	11,823	71
Internal Loads				
Lights	647	162	809	5
People	1,800	0	1,800	11
Misc	1,618	0	1,618	10
Sub Total ==>	4,065	162	4,227	25
Ceiling Load	457	-457	0	0
Ventilation Load	0	0	719	4
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-96	-96	-1
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	13,453	2,500	16,672	100.00

CLG SPACE PEAK

Mo/Hr: 6 / 18
OADB: 91

	Space Sensible	Percent Of Total
	Btu/h	(%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	3,980	31
Glass/Door Cond	1,765	14
Wall Cond	895	7
Partition/Door	2,504	20
Floor	0.00	0
Adjacent Floor	0.00	0.00
Infiltration	0	0
Sub Total ==>	9,144	71
Internal Loads		
Lights	647	5
People	1,000	8
Misc	1,618	13
Sub Total ==>	3,265	25
Ceiling Load	404	3
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing		
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	12,813	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 38

	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total
	Btu/h	Btu/h	(%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	-634	6.01
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Glass/Door Cond	-2,989	-2,989	28.34
Wall Cond	-1,078	-1,474	13.97
Partition/Door	-2,504	-2,504	23.74
Floor	-306	-306	2.90
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Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-793	0	0.00
Ventilation Load	0	-506	4.79
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		167	-1.58
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		-2,456	23.28
System Plenum Heat		154	-1.46
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-7,670	-10,548	100.00

COOLING COIL SELECTION

	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	1.4	16.7	15.5	580	81.4	63.3	58.2	55.1	53.4	58.2
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.4	16.7								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	237		
Part	311		
Int Door	0		
ExFlr	19		
Roof	237	0	0
Wall	230	100	44
Ext Door	0	0	0

HEA

Main Htg
Aux Htg
Preheat
Reheat
Humidif
Opt Vent
Total

Load / Airflow Summary

By RLF

System	Zone	Room **		Floor Area ft²	People #	Coil Cooling Sensible Btu/h	Coil Cooling Total Btu/h	Space Design Max SA cfm	Air Changes ach/hr	VAV Minimum SA cfm	VAV Minimum %	Main Coil Heating Sensible Btu/h	Heating Fan Max SA cfm	Percent OA Clg	Percent OA Htg
Alternative 1															
	174-ENTRY/RECEPTION		Rm Peak	237	4.0	15,460	16,672	580	18.34	174	30	-10,548	406	2.5	2.5
	174E-OFFICE		Rm Peak	157	2.0	6,449	7,136	213	10.18	64	30	-4,624	149	4.4	4.4
	174F-CORRIDOR		Rm Peak	264	0.0	8,030	8,706	243	6.89	73	30	-6,224	170	6.5	6.5
	175A-OFFICE		Rm Peak	80	1.0	2,752	3,143	86	8.09	26	30	-1,435	60	5.6	5.6
	175B-OFFICE		Rm Peak	80	1.0	2,745	3,136	86	8.06	26	30	-1,426	60	5.6	5.6
	175C-OFFICE		Rm Peak	80	1.0	2,752	3,143	86	8.09	26	30	-1,435	60	5.6	5.6
	175D-OFFICE		Rm Peak	80	1.0	2,752	3,143	86	8.09	26	30	-1,435	60	5.6	5.6
	175-ELEC		Rm Peak	46	0.0	2,287	2,369	82	13.32	25	30	-2,816	57	3.4	3.4
AHU			**Sys Peak**	**1,024**	**10.0**	**42,874**	**47,096**	**1,462**				**-29,942**	**1,014**	**4.2**	**4.2**
AHU			**Sys Block**	**1,024**	**10.0**	**43,249**	**47,031**	**1,453**				**-29,942**	**1,014**	**4.2**	**4.2**

*** This report does not display heating only systems.**

PEAK COOLING LOADS

MAIN SYSTEM

By RLF

System	Zone	Room		Floor Area ft²	SPACE Peak Time Mo/Hr	SPACE OA Condition DB °F	SPACE OA Condition WB °F	SPACE Room Dry Bulb °F	SPACE Supply Dry Bulb °F	SPACE Space Air Flow cfm	SPACE Space Sensible Load Btu/h	SPACE Space Latent Load Btu/h	COIL Peak Time Mo/Hr	COIL OA Condition DB °F	COIL OA Condition WB °F	COIL Supply Dry Bulb °F	COIL Coil Airflow cfm	COIL Coil Sensible Load Btu/h	COIL Coil Latent Load Btu/h
Alternative 1																			
	174-ENTRY/RECEPTION		Peak	237	6/18	91	74	75.0	55.1	580	12,813	800	6 /16	94	75	55.1	580	15,460	1,212
	174E-OFFICE		Peak	157	6/19	88	73	75.0	55.1	213	4,710	400	6 /17	93	75	55.1	213	6,449	687
	174F-CORRIDOR		Peak	264	6/16	94	75	75.0	55.1	243	5,365	0	8 /16	93	77	55.1	243	8,030	676
	175A-OFFICE		Peak	80	6/16	94	75	75.0	55.1	86	1,907	200	8 /15	93	77	55.1	86	2,752	391
	175B-OFFICE		Peak	80	6/16	94	75	75.0	55.1	86	1,900	200	8 /15	93	77	55.1	86	2,745	391
	175C-OFFICE		Peak	80	6/16	94	75	75.0	55.1	86	1,907	200	8 /15	93	77	55.1	86	2,752	391
	175D-OFFICE		Peak	80	6/16	94	75	75.0	55.1	86	1,907	200	8 /15	93	77	55.1	86	2,752	391
	175-ELEC		Peak	46	6/19	88	73	75.0	55.1	82	1,806	0	6 /18	91	74	55.1	82	2,287	83
AHU			**Peak**	**1,024**		**91**	**74**	**75.0**	**55.1**	**1,462**	**32,316**	**2,000**		**94**	**75**	**55.1**	**1,462**	**42,874**	**4,221**
AHU			**Block**	**1,024**	**6/18**	**91**	**74**	**75.0**	**55.1**	**1,453**	**32,121**	**2,000**	**6 /16**	**94**	**75**	**55.1**	**1,436**	**43,249**	**3,782**

PEAK HEATING LOADS

MAIN SYSTEM

By RLF

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

System	Zone	Room	Block or Peak	Floor Area ft²	SPACE Room Dry Bulb °F	SPACE Supply Dry Bulb °F	SPACE Space Air Flow cfm	SPACE Space Sensible Load Btu/h	COIL Supply Dry Bulb °F	COIL Coil Air Flow cfm	COIL Coil Sensible Load Btu/h
Alternative 1											
		174-ENTRY/RECEPTION	Peak	237	70.0	70.0	174	-7,670	70.0	0	-10,548
		174E-OFFICE	Peak	157	70.0	70.0	64	-3,566	70.0	0	-4,624
		174F-CORRIDOR	Peak	264	70.0	70.0	73	-5,019	70.0	0	-6,224
		175A-OFFICE	Peak	80	70.0	70.0	26	-1,006	70.0	0	-1,435
		175B-OFFICE	Peak	80	70.0	70.0	26	-999	70.0	0	-1,426
		175C-OFFICE	Peak	80	70.0	70.0	26	-1,006	70.0	0	-1,435
		175D-OFFICE	Peak	80	70.0	70.0	26	-1,006	70.0	0	-1,435
		175-ELEC	Peak	46	70.0	70.0	25	-2,410	70.0	0	-2,816
AHU			**Peak**	**1,024**	**70.0**	**70.0**	**439**	**-22,683**	**70.0**	**0**	**-29,942**
AHU			**Block**	**1,024**	**70.0**	**70.0**	**439**	**-22,679**	**70.0**	**0**	**-29,942**

BUILDING ENVELOPE COOLING LOADS

at Space Peak

By RLF

Alternative 1

System Zone Room		WALL Plenum Load Btu/h	WALL Plenum CLTD °F	WALL Space Load Btu/h	WALL Space CLTD °F	WINDOW Space Solar Btu/h	WINDOW Plenum Solar Btu/h	WINDOW Solar CLF	WINDOW Space Conduction Btu/h	S
174E-OFFICE	Zn Tot/Ave	341	24.3	1,325	28.6	0	0	0.000	154	1
175A-OFFICE	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	
175B-OFFICE	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	
175C-OFFICE	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	
175D-OFFICE	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	
174-ENTRY/RECEPTION	Zn Tot/Ave	391	21.2	895	26.6	3,980	0	0.828	1,765	1
175-ELEC	Zn Tot/Ave	127	30.9	576	35.2	0	0	0.000	0	
174F-CORRIDOR	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	
AHU	Sys Tot/Ave	859	23.5	2,796	29.0	3,980	0	0.828	1,920	1
AHU	Sys Block	826	22.5	2,694	28.0	3,980	0	0.828	1,937	1

System Zone Room		ROOF Plenum Sensible Load Btu/h	ROOF Plenum CLTD °F	ROOF Space Sensible Load Btu/h	ROOF Space CLTD °F	SKYLIGHT Plenum Solar Btu/h	SKYLIGHT Space Solar Btu/h	SKYLIGHT Solar CLF	SKYLIGHT Plenum Conduction Load Btu/h
174E-OFFICE	Zn Tot/Ave	1,147	58.6	0	62.8	0	0	0.000	0
175A-OFFICE	Zn Tot/Ave	891	89.3	0	95.4	0	0	0.000	0
175B-OFFICE	Zn Tot/Ave	891	89.3	0	95.4	0	0	0.000	0
175C-OFFICE	Zn Tot/Ave	891	89.3	0	95.4	0	0	0.000	0
175D-OFFICE	Zn Tot/Ave	891	89.3	0	95.4	0	0	0.000	0
174-ENTRY/RECEPTION	Zn Tot/Ave	2,146	72.6	0	78.0	0	0	0.000	0
175-ELEC	Zn Tot/Ave	357	62.2	0	66.5	0	0	0.000	0
174F-CORRIDOR	Zn Tot/Ave	2,888	87.7	0	93.8	0	0	0.000	0
AHU	Sys Tot/Ave	10,103	79.1	0	83.0	0	0	0.000	0
AHU	Sys Block	9,196	72.0	0	77.4	0	0	0.000	0

BUILDING ENVELOPE HEATING LOADS

at Space Peak

By RLF

Alternative 1

		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	Sp CL °
174E-OFFICE	Zn Tot/Ave	-300	-21.4	-1,484	-32.0	0	0	0.000	-305	-31
175A-OFFICE	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0
175B-OFFICE	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0
175C-OFFICE	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0
175D-OFFICE	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0
174-ENTRY/RECEPTION	Zn Tot/Ave	-396	-21.4	-1,078	-32.0	0	0	0.000	-2,989	-30
175-ELEC	Zn Tot/Ave	-88	-21.4	-524	-32.0	0	0	0.000	0	0
174F-CORRIDOR	Zn Tot/Ave	0	0.0	0	0.0	0	0	0.000	0	0
AHU	Sys Tot/Ave	-784	-21.4	-3,086	-32.0	0	0	0.000	-3,294	-31
AHU	Sys Block	-787	-21.4	-3,082	-32.0	0	0	0.000	-3,294	-31

		ROOF				SKYLIGHT			
System Zone Room		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
174E-OFFICE	Zn Tot/Ave	-420	-21.4	0	-32.0	0	0	0.000	0
175A-OFFICE	Zn Tot/Ave	-214	-21.4	0	-32.0	0	0	0.000	0
175B-OFFICE	Zn Tot/Ave	-214	-21.4	0	-32.0	0	0	0.000	0
175C-OFFICE	Zn Tot/Ave	-214	-21.4	0	-32.0	0	0	0.000	0
175D-OFFICE	Zn Tot/Ave	-214	-21.4	0	-32.0	0	0	0.000	0
174-ENTRY/RECEPTION	Zn Tot/Ave	-634	-21.4	0	-32.0	0	0	0.000	0
175-ELEC	Zn Tot/Ave	-123	-21.4	0	-32.0	0	0	0.000	0
174F-CORRIDOR	Zn Tot/Ave	-706	-21.4	0	-32.0	0	0	0.000	0
AHU	Sys Tot/Ave	-2,739	-21.4	0	-32.0	0	0	0.000	0
AHU	Sys Block	-2,739	-21.4	0	-32.0	0	0	0.000	0

BUILDING ENVELOPE HEATING LOADS

at Space Peak

By RLF

System Zone Room		FLOOR Load Btu/h	FLOOR CLTD °F	PARTITION Load Btu/h	PARTITION CLTD °F	INFILTRATION Airflow cfm	INFILTRATION Sensible Btu/h	CE Plenum Dry Bulb Tem °F
174E-OFFICE	Zn Tot/Ave	-232	-32.0	-1,020	-20.0	0	0	59.4
175A-OFFICE	Zn Tot/Ave	0	0.0	-739	-20.0	0	0	59.4
175B-OFFICE	Zn Tot/Ave	0	0.0	-732	-20.0	0	0	59.4
175C-OFFICE	Zn Tot/Ave	0	0.0	-739	-20.0	0	0	59.4
175D-OFFICE	Zn Tot/Ave	0	0.0	-739	-20.0	0	0	59.4
174-ENTRY/RECEPTION	Zn Tot/Ave	-306	-32.0	-2,504	-20.0	0	0	59.4
175-ELEC	Zn Tot/Ave	-75	-32.0	-1,657	-32.0	0	0	59.4
174F-CORRIDOR	Zn Tot/Ave	0	0.0	-4,136	-20.0	0	0	59.4
AHU	Sys Tot/Ave	-613	-32.0	-12,264	-21.1	0	0	59.4
AHU	Sys Block	-613	-32.0	-12,264	-21.1	0	0	59.4

System Zone Room		UNDER FLOOR Supply Airflow into Uflr Plen cfm	UNDER FLOOR Uflr Plen Air Leakage To Space cfm	SUPPLY AIR TEMPERATURES AIRFLOWS --- Supply Temperature --- Entering Uflr Plen °F	Leaving Uflr Plen °F	Uflr Plenum Air Heat Pickup °F	CONDUCTION HEAT Conduction From Adj Ceiling Plen Btu/h	Conduction From Adj Ceiling No Plen Btu/h	Condu From Floor S Btu/
174E-OFFICE	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	
175A-OFFICE	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	
175B-OFFICE	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	
175C-OFFICE	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	
175D-OFFICE	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	
174-ENTRY/RECEPTION	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	
175-ELEC	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	
174F-CORRIDOR	Zn Tot/Ave	0	0	0.0	0.0	0.0	0	0	
AHU	Sys Tot/Ave	0	0	0.0	0.0	0.0	0	0	
AHU	Sys Block	0	0	0.0	0.0	0.0	0	0	

BUILDING ENVELOPE COOLING LOADS

at Space Peak

By RLF

System Zone Room		FLOOR Load Btu/h	FLOOR CLTD °F	PARTITION Load Btu/h	PARTITION CLTD °F	INFILTRATION Airflow cfm	INFILTRATION Sensible Btu/h	INFILTRATION Latent Btu/h
174E-OFFICE	Zn Tot/Ave	0	0.0	1,020	20.0	0	0	0
175A-OFFICE	Zn Tot/Ave	0	0.0	739	20.0	0	0	0
175B-OFFICE	Zn Tot/Ave	0	0.0	732	20.0	0	0	0
175C-OFFICE	Zn Tot/Ave	0	0.0	739	20.0	0	0	0
175D-OFFICE	Zn Tot/Ave	0	0.0	739	20.0	0	0	0
174-ENTRY/RECEPTION	Zn Tot/Ave	0	0.0	2,504	20.0	0	0	0
175-ELEC	Zn Tot/Ave	0	0.0	728	14.1	0	0	0
174F-CORRIDOR	Zn Tot/Ave	0	0.0	4,136	20.0	0	0	0
AHU	Sys Tot/Ave	0	0.0	11,335	19.5	0	0	0
AHU	Sys Block	0	0.0	11,281	19.4	0	0	0

UNDER FLOOR System Zone Room		SUPPLY AIR TEMPERATURES AIRFLOWS 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 HEA Conduction From Adj Ceiling Plen **Btu/h**	 Conduction From Adj Ceiling No Plen **Btu/h**	 Condu From Floor **Btu**
174E-OFFICE	Zn Tot/Ave	**0**	0	0.0	0.0	0.0	0	0	
175A-OFFICE	Zn Tot/Ave	**0**	0	0.0	0.0	0.0	0	0	
175B-OFFICE	Zn Tot/Ave	**0**	0	0.0	0.0	0.0	0	0	
175C-OFFICE	Zn Tot/Ave	**0**	0	0.0	0.0	0.0	0	0	
175D-OFFICE	Zn Tot/Ave	**0**	0	0.0	0.0	0.0	0	0	
174-ENTRY/RECEPTION	Zn Tot/Ave	**0**	0	0.0	0.0	0.0	0	0	
175-ELEC	Zn Tot/Ave	**0**	0	0.0	0.0	0.0	0	0	
174F-CORRIDOR	Zn Tot/Ave	**0**	0	0.0	0.0	0.0	0	0	
AHU	Sys Tot/Ave	**0**	0	0.0	0.0	0.0	0	0	
AHU	Sys Block	**0**	0	0.0	0.0	0.0	0	0	

Zone Checksums

By RLF

174E-OFFICE

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 6 / 17
Outside Air: OADB/WB/HR: 93 / 75 / 101

	Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total
	Btu/h	Btu/h	Btu/h	(%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	1,618	1,618	23
Glass Solar	0	0	0	0
Glass/Door Cond	183	0	183	3
Wall Cond	1,135	260	1,395	20
Partition/Door	1,020		1,020	14
Floor	0		0	0
Adjacent Floor	0.00	0.00	0.00	0.00
Infiltration	0		0	0
Sub Total ==>	2,338	1,878	4,215	59
Internal Loads				
Lights	429	107	536	8
People	900	0	900	13
Misc	1,072	0	1,072	15
Sub Total ==>	2,400	107	2,508	35
Ceiling Load	295	-295	0	0
Ventilation Load	0	0	475	7
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-62	-62	-1
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	5,033	1,628	7,136	100.00

CLG SPACE PEAK

Mo/Hr: 6 / 19
OADB: 88

	Space Sensible	Percent Of Total
	Btu/h	(%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	0	0
Glass/Door Cond	154	3
Wall Cond	1,325	28
Partition/Door	1,020	22
Floor	0.00	0
Adjacent Floor	0.00	0.00
Infiltration	0	0
Sub Total ==>	2,499	53
Internal Loads		
Lights	429	9
People	500	11
Misc	1,072	23
Sub Total ==>	2,000	42
Ceiling Load	211	4
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Grand Total ==>	4,710	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 38

	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total
	Btu/h	Btu/h	(%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	-420	9.08
Glass Solar	0	0	0.00
Glass/Door Cond	-305	-305	6.60
Wall Cond	-1,484	-1,784	38.59
Partition/Door	-1,020	-1,020	22.05
Floor	-232	-232	5.02
Adjacent Floor	0.00	0.00	0.00
Infiltration	0	0	0.00
Sub Total ==>	-3,041	-3,761	81.34
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-525	0	0.00
Ventilation Load	0	-335	7.24
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		111	-2.39
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		-803	17.36
System Plenum Heat		164	-3.55
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-3,566	-4,624	100.00

COOLING COIL SELECTION

	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	0.6	7.1	6.5	213	81.5	63.5	59.1	55.1	52.0	53.0
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	0.6	7.1								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	157		
Part	127		
Int Door	0		
ExFlr	15		
Roof	157	0	0
Wall	150	0	0
Ext Door	24	0	0

HEA

Main Htg
Aux Htg
Preheat
Reheat
Humidif
Opt Vent
Total

Zone Checksums

By RLF

174F-CORRIDOR

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 8 / 16
Outside Air: OADB/WB/HR: 93 / 77 / 118

	Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total
	Btu/h	Btu/h	Btu/h	(%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	2,771	2,771	32
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	4,136		4,136	48
Floor	0		0	0
Adjacent Floor	0.00	0.00	0.00	0.00
Infiltration	0		0	0
Sub Total ==>	4,136	2,771	6,906	79
Internal Loads				
Lights	721	180	901	10
People	0	0	0	0
Misc	0	0	0	0
Sub Total ==>	721	180	901	10
Ceiling Load	411	-411	0	0
Ventilation Load	0	0	986	11
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-87	-87	-1
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	5,268	2,453	8,707	100.00

CLG SPACE PEAK

Mo/Hr: 6 / 16
OADB: 94

	Space Sensible	Percent Of Total
	Btu/h	(%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	4,136	77
Floor	0.00	0
Adjacent Floor	0.00	0.00
Infiltration	0	0
Sub Total ==>	4,136	77
Internal Loads		
Lights	721	13
People	0	0
Misc	0	0
Sub Total ==>	721	13
Ceiling Load	509	9
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Grand Total ==>	5,365	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 38

	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total
	Btu/h	Btu/h	(%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	-706	11.34
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-4,136	-4,136	66.44
Floor	0	0	0.00
Adjacent Floor	0.00	0.00	0.00
Infiltration	0	0	0.00
Sub Total ==>	-4,136	-4,842	77.79
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-883	0	0.00
Ventilation Load	0	-563	9.05
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		186	-2.99
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		-793	12.74
System Plenum Heat		-212	3.41
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-5,019	-6,224	100.00

COOLING COIL SELECTION

	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	0.7	8.7	8.0	243	80.8	63.7	61.2	55.1	51.4	50.6
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	0.7	8.7								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	264		
Part	513		
Int Door	0		
ExFlr	0		
Roof	264	0	0
Wall	0	0	0
Ext Door	0	0	0

HEA

Main Htg
Aux Htg
Preheat
Reheat
Humidif
Opt Vent
Total

Zone Checksums

By RLF

175A-OFFICE

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 8 / 15
Outside Air: OADB/WB/HR: 93 / 77 / 114

	Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total
	Btu/h	Btu/h	Btu/h	(%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	873	873	28
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	739		739	23
Floor	0		0	0
Adjacent Floor	0.00	0.00	0.00	0.00
Infiltration	0		0	0
Sub Total ==>	739	873	1,612	51
Internal Loads				
Lights	218	55	273	9
People	450	0	450	14
Misc	546	0	546	17
Sub Total ==>	1,215	55	1,269	40
Ceiling Load	119	-119	0	0
Ventilation Load	0	0	287	9
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-25	-25	-1
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	2,072	784	3,143	100.00

CLG SPACE PEAK

Mo/Hr: 6 / 16
OADB: 94

	Space Sensible	Percent Of Total
	Btu/h	(%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	739	39
Floor	0.00	0
Adjacent Floor	0.00	0.00
Infiltration	0	0
Sub Total ==>	739	39
Internal Loads		
Lights	218	11
People	250	13
Misc	546	29
Sub Total ==>	1,015	53
Ceiling Load	154	8
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Grand Total ==>	1,907	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 38

	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total
	Btu/h	Btu/h	(%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	-214	14.91
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-739	-739	51.48
Floor	0	0	0.00
Adjacent Floor	0.00	0.00	0.00
Infiltration	0	0	0.00
Sub Total ==>	-739	-953	66.39
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-268	0	0.00
Ventilation Load	0	-171	11.89
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		56	-3.92
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		-302	21.03
System Plenum Heat		-66	4.61
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-1,006	-1,435	100.00

COOLING COIL SELECTION

	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	0.3	3.1	2.8	86	80.4	63.4	60.4	55.1	50.8	48.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.3	3.1								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	80		
Part	92		
Int Door	0		
ExFlr	0		
Roof	80	0	0
Wall	0	0	0
Ext Door	0	0	0

HEA

Main Htg
Aux Htg
Preheat
Reheat
Humidif
Opt Vent
Total

Zone Checksums

By RLF

175B-OFFICE

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 8 / 15
Outside Air: OADB/WB/HR: 93 / 77 / 114

	Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total
	Btu/h	Btu/h	Btu/h	(%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	873	873	28
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	732		732	23
Floor	0		0	0
Adjacent Floor	0.00	0.00	0.00	0.00
Infiltration	0		0	0
Sub Total ==>	732	873	1,605	51
Internal Loads				
Lights	218	55	273	9
People	450	0	450	14
Misc	546	0	546	17
Sub Total ==>	1,215	55	1,269	40
Ceiling Load	119	-119	0	0
Ventilation Load	0	0	287	9
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-25	-25	-1
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	2,065	784	3,136	100.00

CLG SPACE PEAK

Mo/Hr: 6 / 16
OADB: 94

	Space Sensible	Percent Of Total
	Btu/h	(%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	732	38
Floor	0.00	0
Adjacent Floor	0.00	0.00
Infiltration	0	0
Sub Total ==>	732	38
Internal Loads		
Lights	218	11
People	250	13
Misc	546	29
Sub Total ==>	1,015	53
Ceiling Load	154	8
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Grand Total ==>	1,900	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 38

	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total
	Btu/h	Btu/h	(%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	-214	15.00
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-732	-732	51.30
Floor	0	0	0.00
Adjacent Floor	0.00	0.00	0.00
Infiltration	0	0	0.00
Sub Total ==>	-732	-946	66.30
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-268	0	0.00
Ventilation Load	0	-171	11.97
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		56	-3.95
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		-300	21.05
System Plenum Heat		-66	4.64
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-999	-1,426	100.00

COOLING COIL SELECTION

	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	0.3	3.1	2.8	86	80.4	63.4	60.4	55.1	50.8	48.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.3	3.1								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	80		
Part	91		
Int Door	0		
ExFlr	0		
Roof	80	0	0
Wall	0	0	0
Ext Door	0	0	0

HEA

Main Htg
Aux Htg
Preheat
Reheat
Humidif
Opt Vent
Total

Zone Checksums

By RLF

175C-OFFICE

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 8 / 15
Outside Air: OADB/WB/HR: 93 / 77 / 114

	Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total
	Btu/h	Btu/h	Btu/h	(%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	873	873	28
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	739		739	23
Floor	0		0	0
Adjacent Floor	0.00	0.00	0.00	0.00
Infiltration	0		0	0
Sub Total ==>	739	873	1,612	51
Internal Loads				
Lights	218	55	273	9
People	450	0	450	14
Misc	546	0	546	17
Sub Total ==>	1,215	55	1,269	40
Ceiling Load	119	-119	0	0
Ventilation Load	0	0	287	9
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-25	-25	-1
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	2,072	784	3,143	100.00

CLG SPACE PEAK

Mo/Hr: 6 / 16
OADB: 94

	Space Sensible	Percent Of Total
	Btu/h	(%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	739	39
Floor	0.00	0
Adjacent Floor	0.00	0.00
Infiltration	0	0
Sub Total ==>	739	39
Internal Loads		
Lights	218	11
People	250	13
Misc	546	29
Sub Total ==>	1,015	53
Ceiling Load	154	8
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Grand Total ==>	1,907	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 38

	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total
	Btu/h	Btu/h	(%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	-214	14.91
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-739	-739	51.48
Floor	0	0	0.00
Adjacent Floor	0.00	0.00	0.00
Infiltration	0	0	0.00
Sub Total ==>	-739	-953	66.39
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-268	0	0.00
Ventilation Load	0	-171	11.89
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		56	-3.92
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		-302	21.03
System Plenum Heat		-66	4.61
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-1,006	-1,435	100.00

COOLING COIL SELECTION

	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	0.3	3.1	2.8	86	80.4	63.4	60.4	55.1	50.8	48.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.3	3.1								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	80		
Part	92		
Int Door	0		
ExFlr	0		
Roof	80	0	0
Wall	0	0	0
Ext Door	0	0	0

HEA

Main Htg
Aux Htg
Preheat
Reheat
Humidif
Opt Vent
Total

Zone Checksums

By RLF

175D-OFFICE

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 8 / 15
Outside Air: OADB/WB/HR: 93 / 77 / 114

	Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total
	Btu/h	Btu/h	Btu/h	(%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	873	873	28
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	739		739	23
Floor	0		0	0
Adjacent Floor	0.00	0.00	0.00	0.00
Infiltration	0		0	0
Sub Total ==>	739	873	1,612	51
Internal Loads				
Lights	218	55	273	9
People	450	0	450	14
Misc	546	0	546	17
Sub Total ==>	1,215	55	1,269	40
Ceiling Load	119	-119	0	0
Ventilation Load	0	0	287	9
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-25	-25	-1
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	2,072	784	3,143	100.00

CLG SPACE PEAK

Mo/Hr: 6 / 16
OADB: 94

	Space Sensible	Percent Of Total
	Btu/h	(%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	739	39
Floor	0.00	0
Adjacent Floor	0.00	0.00
Infiltration	0	0
Sub Total ==>	739	39
Internal Loads		
Lights	218	11
People	250	13
Misc	546	29
Sub Total ==>	1,015	53
Ceiling Load	154	8
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Grand Total ==>	1,907	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 38

	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total
	Btu/h	Btu/h	(%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	-214	14.91
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-739	-739	51.48
Floor	0	0	0.00
Adjacent Floor	0.00	0.00	0.00
Infiltration	0	0	0.00
Sub Total ==>	-739	-953	66.39
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-268	0	0.00
Ventilation Load	0	-171	11.89
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		56	-3.92
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		-302	21.03
System Plenum Heat		-66	4.61
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-1,006	-1,435	100.00

COOLING COIL SELECTION

	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	0.3	3.1	2.8	86	80.4	63.4	60.4	55.1	50.8	48.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.3	3.1								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	80		
Part	92		
Int Door	0		
ExFlr	0		
Roof	80	0	0
Wall	0	0	0
Ext Door	0	0	0

HEA

Main Htg
Aux Htg
Preheat
Reheat
Humidif
Opt Vent
Total

Zone Checksums

By RLF

175-ELEC

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 6 / 18
Outside Air: OADB/WB/HR: 91 / 74 / 100

	Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total
	Btu/h	Btu/h	Btu/h	(%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	418	418	18
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	571	121	692	29
Partition/Door	674		674	28
Floor	0		0	0
Adjacent Floor	0.00	0.00	0.00	0.00
Infiltration	0		0	0
Sub Total ==>	1,245	539	1,784	75
Internal Loads				
Lights	126	31	157	7
People	0	0	0	0
Misc	314	0	314	13
Sub Total ==>	440	31	471	20
Ceiling Load	78	-78	0	0
Ventilation Load	0	0	131	6
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-16	-16	-1
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	1,763	475	2,369	100.00

CLG SPACE PEAK

Mo/Hr: 6 / 19
OADB: 88

	Space Sensible	Percent Of Total
	Btu/h	(%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	576	32
Partition/Door	728	40
Floor	0.00	0
Adjacent Floor	0.00	0.00
Infiltration	0	0
Sub Total ==>	1,304	72
Internal Loads		
Lights	126	7
People	0	0
Misc	314	17
Sub Total ==>	440	24
Ceiling Load	62	3
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Grand Total ==>	1,806	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 38

	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total
	Btu/h	Btu/h	(%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	-123	4.37
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	-524	-612	21.74
Partition/Door	-1,657	-1,657	58.85
Floor	-75	-75	2.66
Adjacent Floor	0.00	0.00	0.00
Infiltration	0	0	0.00
Sub Total ==>	-2,256	-2,467	87.62
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-154	0	0.00
Ventilation Load	0	-98	3.48
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		32	-1.15
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		-328	11.65
System Plenum Heat		45	-1.60
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-2,410	-2,816	100.00

COOLING COIL SELECTION

	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	0.2	2.4	2.3	82	80.7	63.1	58.6	55.1	53.2	57.8
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.2	2.4								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	46		
Part	128		
Int Door	0		
ExFlr	5		
Roof	46	0	0
Wall	47	0	0
Ext Door	0	0	0

HEA

Main Htg
Aux Htg
Preheat
Reheat
Humidif
Opt Vent
Total

Room Checksums

By RLF

174E-OFFICE

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 6 / 17
Outside Air: OADB/WB/HR: 93 / 75 / 101

	Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total
	Btu/h	Btu/h	Btu/h	(%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	1,618	1,618	23
Glass Solar	0	0	0	0
Glass/Door Cond	183	0	183	3
Wall Cond	1,135	260	1,395	20
Partition/Door	1,020		1,020	14
Floor	0		0	0
Adjacent Floor	0.00	0.00	0.00	0.00
Infiltration	0		0	0
Sub Total ==>	2,338	1,878	4,215	59
Internal Loads				
Lights	429	107	536	8
People	900	0	900	13
Misc	1,072	0	1,072	15
Sub Total ==>	2,400	107	2,508	35
Ceiling Load	295	-295	0	0
Ventilation Load	0	0	475	7
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-62	-62	-1
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	5,033	1,628	7,136	100.00

CLG SPACE PEAK

Mo/Hr: 6 / 19
OADB: 88

	Space Sensible	Percent Of Total
	Btu/h	(%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	0	0
Glass/Door Cond	154	3
Wall Cond	1,325	28
Partition/Door	1,020	22
Floor	0.00	0
Adjacent Floor	0.00	0.00
Infiltration	0	0
Sub Total ==>	2,499	53
Internal Loads		
Lights	429	9
People	500	11
Misc	1,072	23
Sub Total ==>	2,000	42
Ceiling Load	211	4
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Grand Total ==>	4,710	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 38

	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total
	Btu/h	Btu/h	(%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	-420	9.08
Glass Solar	0	0	0.00
Glass/Door Cond	-305	-305	6.60
Wall Cond	-1,484	-1,784	38.59
Partition/Door	-1,020	-1,020	22.05
Floor	-232	-232	5.02
Adjacent Floor	0.00	0.00	0.00
Infiltration	0	0	0.00
Sub Total ==>	-3,041	-3,761	81.34
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-525	0	0.00
Ventilation Load	0	-335	7.24
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		111	-2.39
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		-803	17.36
System Plenum Heat		164	-3.55
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-3,566	-4,624	100.00

COOLING COIL SELECTION

	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	0.6	7.1	6.5	213	81.5	63.5	59.1	55.1	52.0	53.0
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	0.6	7.1								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	157		
Part	127		
Int Door	0		
ExFlr	15		
Roof	157	0	0
Wall	150	0	0
Ext Door	24	0	0

HE

Main Htg
Aux Htg
Preheat
Reheat
Humidif
Opt Vent
Total

Room Checksums

By RLF

174F-CORRIDOR

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 8 / 16
Outside Air: OADB/WB/HR: 93 / 77 / 118

	Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total
	Btu/h	Btu/h	Btu/h	(%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	2,771	2,771	32
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	4,136		4,136	48
Floor	0		0	0
Adjacent Floor	0.00	0.00	0.00	0.00
Infiltration	0		0	0
Sub Total ==>	4,136	2,771	6,906	79
Internal Loads				
Lights	721	180	901	10
People	0	0	0	0
Misc	0	0	0	0
Sub Total ==>	721	180	901	10
Ceiling Load	411	-411	0	0
Ventilation Load	0	0	986	11
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-87	-87	-1
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	5,268	2,453	8,707	100.00

CLG SPACE PEAK

Mo/Hr: 6 / 16
OADB: 94

	Space Sensible	Percent Of Total
	Btu/h	(%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	4,136	77
Floor	0.00	0
Adjacent Floor	0.00	0.00
Infiltration	0	0
Sub Total ==>	4,136	77
Internal Loads		
Lights	721	13
People	0	0
Misc	0	0
Sub Total ==>	721	13
Ceiling Load	509	9
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Grand Total ==>	5,365	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 38

	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total
	Btu/h	Btu/h	(%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	-706	11.34
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-4,136	-4,136	66.44
Floor	0	0	0.00
Adjacent Floor	0.00	0.00	0.00
Infiltration	0	0	0.00
Sub Total ==>	-4,136	-4,842	77.79
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-883	0	0.00
Ventilation Load	0	-563	9.05
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		186	-2.99
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		-793	12.74
System Plenum Heat		-212	3.41
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-5,019	-6,224	100.00

COOLING COIL SELECTION

	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	0.7	8.7	8.0	243	80.8	63.7	61.2	55.1	51.4	50.6
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	0.7	8.7								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	264		
Part	513		
Int Door	0		
ExFlr	0		
Roof	264	0	0
Wall	0	0	0
Ext Door	0	0	0

HE

Main Htg
Aux Htg
Preheat
Reheat
Humidif
Opt Vent
Total

Room Checksums

By RLF

175A-OFFICE

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 8 / 15
Outside Air: OADB/WB/HR: 93 / 77 / 114

	Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total
	Btu/h	Btu/h	Btu/h	(%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	873	873	28
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	739		739	23
Floor	0		0	0
Adjacent Floor	0.00	0.00	0.00	0.00
Infiltration	0		0	0
Sub Total ==>	739	873	1,612	51
Internal Loads				
Lights	218	55	273	9
People	450	0	450	14
Misc	546	0	546	17
Sub Total ==>	1,215	55	1,269	40
Ceiling Load	119	-119	0	0
Ventilation Load	0	0	287	9
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-25	-25	-1
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	2,072	784	3,143	100.00

CLG SPACE PEAK

Mo/Hr: 6 / 16
OADB: 94

	Space Sensible	Percent Of Total
	Btu/h	(%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	739	39
Floor	0.00	0
Adjacent Floor	0.00	0.00
Infiltration	0	0
Sub Total ==>	739	39
Internal Loads		
Lights	218	11
People	250	13
Misc	546	29
Sub Total ==>	1,015	53
Ceiling Load	154	8
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Grand Total ==>	1,907	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 38

	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total
	Btu/h	Btu/h	(%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	-214	14.91
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-739	-739	51.48
Floor	0	0	0.00
Adjacent Floor	0.00	0.00	0.00
Infiltration	0	0	0.00
Sub Total ==>	-739	-953	66.39
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-268	0	0.00
Ventilation Load	0	-171	11.89
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		56	-3.92
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		-302	21.03
System Plenum Heat		-66	4.61
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-1,006	-1,435	100.00

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	0.3	3.1	2.8	86	80.4	63.4	60.4	55.1	50.8	48.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.3	3.1								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	80		
Part	92		
Int Door	0		
ExFlr	0		
Roof	80	0	0
Wall	0	0	0
Ext Door	0	0	0

HE

Main Htg
Aux Htg
Preheat
Reheat
Humidif
Opt Vent
Total

Room Checksums

By RLF

175B-OFFICE

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 8 / 15
Outside Air: OADB/WB/HR: 93 / 77 / 114

	Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total
	Btu/h	Btu/h	Btu/h	(%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	873	873	28
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	732		732	23
Floor	0		0	0
Adjacent Floor	0.00	0.00	0.00	0.00
Infiltration	0		0	0
Sub Total ==>	732	873	1,605	51
Internal Loads				
Lights	218	55	273	9
People	450	0	450	14
Misc	546	0	546	17
Sub Total ==>	1,215	55	1,269	40
Ceiling Load	119	-119	0	0
Ventilation Load	0	0	287	9
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-25	-25	-1
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	2,065	784	3,136	100.00

CLG SPACE PEAK

Mo/Hr: 6 / 16
OADB: 94

	Space Sensible	Percent Of Total
	Btu/h	(%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	732	38
Floor	0.00	0
Adjacent Floor	0.00	0.00
Infiltration	0	0
Sub Total ==>	732	38
Internal Loads		
Lights	218	11
People	250	13
Misc	546	29
Sub Total ==>	1,015	53
Ceiling Load	154	8
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Grand Total ==>	1,900	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 38

	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total
	Btu/h	Btu/h	(%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	-214	15.00
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-732	-732	51.30
Floor	0	0	0.00
Adjacent Floor	0.00	0.00	0.00
Infiltration	0	0	0.00
Sub Total ==>	-732	-946	66.30
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-268	0	0.00
Ventilation Load	0	-171	11.97
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		56	-3.95
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		-300	21.05
System Plenum Heat		-66	4.64
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-999	-1,426	100.00

COOLING COIL SELECTION

	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	0.3	3.1	2.8	86	80.4	63.4	60.4	55.1	50.8	48.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.3	3.1								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	80		
Part	91		
Int Door	0		
ExFlr	0		
Roof	80	0	0
Wall	0	0	0
Ext Door	0	0	0

HE

Main Htg
Aux Htg
Preheat
Reheat
Humidif
Opt Vent
Total

Room Checksums

By RLF

175C-OFFICE

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 8 / 15
Outside Air: OADB/WB/HR: 93 / 77 / 114

	Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total
	Btu/h	Btu/h	Btu/h	(%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	873	873	28
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	739		739	23
Floor	0		0	0
Adjacent Floor	0.00	0.00	0.00	0.00
Infiltration	0		0	0
Sub Total ==>	739	873	1,612	51
Internal Loads				
Lights	218	55	273	9
People	450	0	450	14
Misc	546	0	546	17
Sub Total ==>	1,215	55	1,269	40
Ceiling Load	119	-119	0	0
Ventilation Load	0	0	287	9
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-25	-25	-1
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	2,072	784	3,143	100.00

CLG SPACE PEAK

Mo/Hr: 6 / 16
OADB: 94

	Space Sensible	Percent Of Total
	Btu/h	(%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	739	39
Floor	0.00	0
Adjacent Floor	0.00	0.00
Infiltration	0	0
Sub Total ==>	739	39
Internal Loads		
Lights	218	11
People	250	13
Misc	546	29
Sub Total ==>	1,015	53
Ceiling Load	154	8
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing		
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	1,907	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 38

	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total
	Btu/h	Btu/h	(%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	-214	14.91
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-739	-739	51.48
Floor	0	0	0.00
Adjacent Floor	0.00	0.00	0.00
Infiltration	0	0	0.00
Sub Total ==>	-739	-953	66.39
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-268	0	0.00
Ventilation Load	0	-171	11.89
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		56	-3.92
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		-302	21.03
System Plenum Heat		-66	4.61
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-1,006	-1,435	100.00

COOLING COIL SELECTION

	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	0.3	3.1	2.8	86	80.4	63.4	60.4	55.1	50.8	48.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.3	3.1								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	80		
Part	92		
Int Door	0		
ExFlr	0		
Roof	80	0	0
Wall	0	0	0
Ext Door	0	0	0

HE

Main Htg
Aux Htg
Preheat
Reheat
Humidif
Opt Vent
Total

Room Checksums

By RLF

175D-OFFICE

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 8 / 15
Outside Air: OADB/WB/HR: 93 / 77 / 114

	Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total
	Btu/h	Btu/h	Btu/h	(%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	873	873	28
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	739		739	23
Floor	0		0	0
Adjacent Floor	0.00	0.00	0.00	0.00
Infiltration	0		0	0
Sub Total ==>	739	873	1,612	51
Internal Loads				
Lights	218	55	273	9
People	450	0	450	14
Misc	546	0	546	17
Sub Total ==>	1,215	55	1,269	40
Ceiling Load	119	-119	0	0
Ventilation Load	0	0	287	9
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-25	-25	-1
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	2,072	784	3,143	100.00

CLG SPACE PEAK

Mo/Hr: 6 / 16
OADB: 94

	Space Sensible	Percent Of Total
	Btu/h	(%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	739	39
Floor	0.00	0
Adjacent Floor	0.00	0.00
Infiltration	0	0
Sub Total ==>	739	39
Internal Loads		
Lights	218	11
People	250	13
Misc	546	29
Sub Total ==>	1,015	53
Ceiling Load	154	8
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Grand Total ==>	1,907	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 38

	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total
	Btu/h	Btu/h	(%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	-214	14.91
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-739	-739	51.48
Floor	0	0	0.00
Adjacent Floor	0.00	0.00	0.00
Infiltration	0	0	0.00
Sub Total ==>	-739	-953	66.39
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-268	0	0.00
Ventilation Load	0	-171	11.89
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		56	-3.92
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		-302	21.03
System Plenum Heat		-66	4.61
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-1,006	-1,435	100.00

COOLING COIL SELECTION

	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	0.3	3.1	2.8	86	80.4	63.4	60.4	55.1	50.8	48.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.3	3.1								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	80		
Part	92		
Int Door	0		
ExFlr	0		
Roof	80	0	0
Wall	0	0	0
Ext Door	0	0	0

HE

Main Htg
Aux Htg
Preheat
Reheat
Humidif
Opt Vent
Total

Room Checksums

By RLF

175-ELEC

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 6 / 18
Outside Air: OADB/WB/HR: 91 / 74 / 100

	Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total
	Btu/h	Btu/h	Btu/h	(%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	418	418	18
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	571	121	692	29
Partition/Door	674		674	28
Floor	0		0	0
Adjacent Floor	0.00	0.00	0.00	0.00
Infiltration	0		0	0
Sub Total ==>	1,245	539	1,784	75
Internal Loads				
Lights	126	31	157	7
People	0	0	0	0
Misc	314	0	314	13
Sub Total ==>	440	31	471	20
Ceiling Load	78	-78	0	0
Ventilation Load	0	0	131	6
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-16	-16	-1
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	1,763	475	2,369	100.00

CLG SPACE PEAK

Mo/Hr: 6 / 19
OADB: 88

	Space Sensible	Percent Of Total
	Btu/h	(%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	576	32
Partition/Door	728	40
Floor	0.00	0
Adjacent Floor	0.00	0.00
Infiltration	0	0
Sub Total ==>	1,304	72
Internal Loads		
Lights	126	7
People	0	0
Misc	314	17
Sub Total ==>	440	24
Ceiling Load	62	3
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Grand Total ==>	1,806	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 38

	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total
	Btu/h	Btu/h	(%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	-123	4.37
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	-524	-612	21.74
Partition/Door	-1,657	-1,657	58.85
Floor	-75	-75	2.66
Adjacent Floor	0.00	0.00	0.00
Infiltration	0	0	0.00
Sub Total ==>	-2,256	-2,467	87.62
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-154	0	0.00
Ventilation Load	0	-98	3.48
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		32	-1.15
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		-328	11.65
System Plenum Heat		45	-1.60
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-2,410	-2,816	100.00

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	0.2	2.4	2.3	82	80.7	63.1	58.6	55.1	53.2	57.8
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.2	2.4								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	46		
Part	128		
Int Door	0		
ExFlr	5		
Roof	46	0	0
Wall	47	0	0
Ext Door	0	0	0

HE

Main Htg
Aux Htg
Preheat
Reheat
Humidif
Opt Vent
Total

ENTERED VALUES

ROOM BY ROOM

By RLF

Room Description: 174E-OFFICE **Zone Description: No Zone**

GENERAL INFORMATION

Floor Area: 157 ft² Flr-Flr Height: 10.0 ft
Plenum Height: 2.0 ft Height Above Flr:
Slab Cnstr Type: 4* LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: Medium
Clg Tstat: None
Htg Tstat: None

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 2 People
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Cooling Only (Design)

Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Cooling Only (Design)
Lighting Amount: 1.000 W/sq ft
Ballast Factor: 1.0

AIRFLO

Cooling
Vent Type: None
Vent Value: 0.06 cfm/sq ft
Vent Schedule: Available (100%)
Infil Type: None
Infil Value: 0.00 air changes/hr
Infil Schedule: Available (100%)
Vav Airflow:
Vav Sched: Available (100%)
Supply: To be calculated
Aux Supply: To be calculated
Room Exhaust:
Rm Exh Sched: Available (100%)

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	In Sh
Roof - 1	157 ft²	0	90	Steel Sheet, 2* Ins	0.1247	0.90		0			Overhang - None	N
Wall - 1	174 ft²	0	0	8* HW Block	0.4022	0.90						
Opening - 1				Door			Standard Door	24	0.00	0.40	Overhang - None	N
Misc Load 1	2.00 W/sq ft			Cooling Only (Design)			None					
Partition - 1	127 ft²			8* HW Conc Block	0.4030							
Floor - 1												

ENTERED VALUES

ROOM BY ROOM

By RLF

Room Description: 174F-CORRIDOR **Zone Description: No Zone**

GENERAL INFORMATION

Floor Area: 264 ft² Flr-Flr Height: 10.0 ft
Plenum Height: 2.0 ft Height Above Flr:
Slab Cnstr Type: 4* LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: Medium
Clg Tstat: None
Htg Tstat: None

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 0 People
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Cooling Only (Design)

Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Cooling Only (Design)
Lighting Amount: 1.000 W/sq ft
Ballast Factor: 1.0

AIRFLO

Cooling
Vent Type: None
Vent Value: 0.06 cfm/sq ft
Vent Schedule: Available (100%)
Infil Type: None
Infil Value: 0.00 air changes/hr
Infil Schedule: Available (100%)
Vav Airflow:
Vav Sched: Available (100%)
Supply: To be calculated
Aux Supply: To be calculated
Room Exhaust:
Rm Exh Sched: Available (100%)

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	In Sh
Roof - 1	264 ft²	0	90	Steel Sheet, 2* Ins	0.1247	0.90		0			Overhang - None	N
Partition - 1	513 ft²			8* HW Conc Block	0.4030							

Room Description: 175A-OFFICE **Zone Description: No Zone**

GENERAL INFORMATION

Floor Area: 80 ft² Flr-Flr Height: 10.0 ft
Plenum Height: 2.0 ft Height Above Flr:
Slab Cnstr Type: 4* LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: Medium
Clg Tstat: None
Htg Tstat: None

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 1 People
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Cooling Only (Design)

Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Cooling Only (Design)
Lighting Amount: 1.000 W/sq ft
Ballast Factor: 1.0

AIRFLO

Cooling
Vent Type: None
Vent Value: 0.06 cfm/sq ft
Vent Schedule: Available (100%)
Infil Type: None
Infil Value: 0.00 air changes/hr
Infil Schedule: Available (100%)
Vav Airflow:
Vav Sched: Available (100%)
Supply: To be calculated
Aux Supply: To be calculated
Room Exhaust:
Rm Exh Sched: Available (100%)

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	In Sh
Roof - 1	80 ft²	0	90	Steel Sheet, 2* Ins	0.1247	0.90		0			Overhang - None	N
Misc Load 1	2.00 W/sq ft			Cooling Only (Design)			None					
Partition - 1	92 ft²			8* HW Conc Block	0.4030							

ENTERED VALUES

ROOM BY ROOM

By RLF

Room Description: 175B-OFFICE **Zone Description: No Zone**

GENERAL INFORMATION

Floor Area: 80 ft² Flr-Flr Height: 10.0 ft
Plenum Height: 2.0 ft Height Above Flr:
Slab Cnstr Type: 4* LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: Medium
Clg Tstat: None
Htg Tstat: None

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 1 People
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Cooling Only (Design)

Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Cooling Only (Design)
Lighting Amount: 1.000 W/sq ft
Ballast Factor: 1.0

AIRFLO

Cooling
Vent Type: None
Vent Value: 0.06 cfm/sq ft
Vent Schedule: Available (100%)
Infil Type: None
Infil Value: 0.00 air changes/hr
Infil Schedule: Available (100%)
Vav Airflow:
Vav Sched: Available (100%)
Supply: To be calculated
Aux Supply: To be calculated
Room Exhaust:
Rm Exh Sched: Available (100%)

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	In Sh
Roof - 1	80 ft²	0	90	Steel Sheet, 2* Ins	0.1247	0.90		0			Overhang - None	N
Misc Load 1	2.00 W/sq ft			Cooling Only (Design)			None					
Partition - 1	91 ft²			8* HW Conc Block	0.4030							

Room Description: 175C-OFFICE **Zone Description: No Zone**

GENERAL INFORMATION

Floor Area: 80 ft² Flr-Flr Height: 10.0 ft
Plenum Height: 2.0 ft Height Above Flr:
Slab Cnstr Type: 4* LW Concrete
Room Mass: Time delay based on actual mass
Ceiling R-Value: 1.786 hr·ft²·°F/Btu
Is There Carpet?: YES
Design Clg DB / Drift Point: 75.0 °F / 81.0 °F
Design Htg DB / Drift Point: 70.0 °F / 64.0 °F
Design Relative Humidity: 50 %
Moisture Capacitance: Medium
Clg Tstat: None
Htg Tstat: None

Thermostat Location: Room Floor Multiplier: 1
Humidistat Location: Room Room Multiplier: 1
CO2 Sensor Location: None
Room Type: Conditioned

PEOPLE

People Type: General Office Space
# of People: 1 People
People Sensible: 250 Btu/h
People Latent : 200 Btu/h
People Schedule: Cooling Only (Design)

Workstation: 1.0 workstation/person

LIGHTS

Lighting Type: Recessed fluorescent, not vented, 80% load to space
Fixture Type: RECFL-NV
% Load to RA: 20 %
Lighting Schedule: Cooling Only (Design)
Lighting Amount: 1.000 W/sq ft
Ballast Factor: 1.0

AIRFLO

Cooling
Vent Type: None
Vent Value: 0.06 cfm/sq ft
Vent Schedule: Available (100%)
Infil Type: None
Infil Value: 0.00 air changes/hr
Infil Schedule: Available (100%)
Vav Airflow:
Vav Sched: Available (100%)
Supply: To be calculated
Aux Supply: To be calculated
Room Exhaust:
Rm Exh Sched: Available (100%)

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h·ft²·°F	External Shading	In Sh
Roof - 1	80 ft²	0	90	Steel Sheet, 2* Ins	0.1247	0.90		0			Overhang - None	N
Misc Load 1	2.00 W/sq ft			Cooling Only (Design)			None					
Partition - 1	92 ft²			8* HW Conc Block	0.4030							

ENTERED VALUES

ROOM BY ROOM

By RLF

Room Description: 175D-OFFICE **Zone Description: No Zone**

GENERAL INFORMATION

Floor Area:	80 ft²	Flr-Flr Height:	10.0 ft
Plenum Height:	2.0 ft	Height Above Flr:	
Slab Cnstr Type:	4* LW Concrete		
Room Mass:	Time delay based on actual mass		
Ceiling R-Value:	1.786 hr·ft²·°F/Btu		
Is There Carpet?:	YES		
Design Clg DB / Drift Point:	75.0 °F / 81.0 °F		
Design Htg DB / Drift Point:	70.0 °F / 64.0 °F		
Design Relative Humidity:	50 %		
Moisture Capacitance:	Medium		
Clg Tstat:	None		
Htg Tstat:	None		
Thermostat Location:	Room	Floor Multiplier:	1
Humidistat Location:	Room	Room Multiplier:	1
CO2 Sensor Location:	None		
Room Type:	Conditioned		

PEOPLE

People Type:	General Office Space
# of People:	1 People
People Sensible:	250 Btu/h
People Latent :	200 Btu/h
People Schedule:	Cooling Only (Design)
Workstation:	1.0 workstation/person

LIGHTS

Lighting Type:	Recessed fluorescent, not vented, 80% load to space
Fixture Type:	RECFL-NV
% Load to RA:	20 %
Lighting Schedule:	Cooling Only (Design)
Lighting Amount:	1.000 W/sq ft
Ballast Factor:	1.0

AIRFLO

Cooling

Vent Type:	None
Vent Value:	0.06 cfm/sq ft
Vent Schedule:	Available (100%)
Infil Type:	None
Infil Value:	0.00 air changes/hr
Infil Schedule:	Available (100%)
Vav Airflow:	
Vav Sched:	Available (100%)
Supply:	To be calculated
Aux Supply:	To be calculated
Room Exhaust:	
Rm Exh Sched:	Available (100%)

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass: Type / Energy Type	Glass: Area ft²	Glass: Shade Coef	Glass: U Value Btu/h·ft²·°F	Glass: External Shading	In Sh
Roof - 1	80 ft²	0	90	Steel Sheet, 2* Ins	0.1247	0.90		0			Overhang - None	N
Misc Load 1	2.00 W/sq ft			Cooling Only (Design)			None					
Partition - 1	92 ft²			8* HW Conc Block	0.4030							

ENTERED VALUES

ROOM BY ROOM

By RLF

Room Description: 175-ELEC **Zone Description: No Zone**

GENERAL INFORMATION

Floor Area:	46 ft²	Flr-Flr Height:	10.0 ft
Plenum Height:	2.0 ft	Height Above Flr:	
Slab Cnstr Type:	4* LW Concrete		
Room Mass:	Time delay based on actual mass		
Ceiling R-Value:	1.786 hr·ft²·°F/Btu		
Is There Carpet?:	YES		
Design Clg DB / Drift Point:	75.0 °F / 81.0 °F		
Design Htg DB / Drift Point:	70.0 °F / 64.0 °F		
Design Relative Humidity:	50 %		
Moisture Capacitance:	Medium		
Clg Tstat:	None		
Htg Tstat:	None		
Thermostat Location:	Room	Floor Multiplier:	1
Humidistat Location:	Room	Room Multiplier:	1
CO2 Sensor Location:	None		
Room Type:	Conditioned		

PEOPLE

People Type:	General Office Space
# of People:	0 People
People Sensible:	250 Btu/h
People Latent :	200 Btu/h
People Schedule:	Cooling Only (Design)
Workstation:	1.0 workstation/person

LIGHTS

Lighting Type:	Recessed fluorescent, not vented, 80% load to space
Fixture Type:	RECFL-NV
% Load to RA:	20 %
Lighting Schedule:	Cooling Only (Design)
Lighting Amount:	1.000 W/sq ft
Ballast Factor:	1.0

AIRFLO

Cooling

Vent Type:	None
Vent Value:	0.06 cfm/sq ft
Vent Schedule:	Available (100%)
Infil Type:	None
Infil Value:	0.00 air changes/hr
Infil Schedule:	Available (100%)
Vav Airflow:	
Vav Sched:	Available (100%)
Supply:	To be calculated
Aux Supply:	To be calculated
Room Exhaust:	
Rm Exh Sched:	Available (100%)

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h·ft²·°F	Alpha	Glass Type / Energy Type	Glass Area ft²	Glass Shade Coef	Glass U Value Btu/h·ft²·°F	Glass External Shading	Glass In Sh
Roof - 1	46 ft²	0	90	Steel Sheet, 2* Ins	0.1247	0.90		0			Overhang - None	N
Wall - 1	47 ft²	0	0	Frame Wall, No Ins	0.4376	0.90						
Misc Load 1	2.00 W/sq ft			Cooling Only (Design)			None					
Partition - 1	128 ft²			8* HW Conc Block	0.4030							
Floor - 1												