

Spec. No. VOLUME 3
Women's Health Clinic
Proj. No. 593-2202



Specifications

For: Construction Documents SPECIFICATIONS
VA MEDICAL CENTER -
Women's Health Clinic
Volume 3 (Mechanical and Plumbing
Calculations)

At: VA Medical Center
VA Southern Nevada Healthcare System

Issue August 10, 2012

Open Bids

Amendment

No.	Date
A	9/7/12
B	1/25/13

Property of Department of Veterans Affairs

WITHIN 10 DAYS AFTER DATE OF OPENING BIDS, RETURN
THIS SPECIFICATION TOGETHER WITH DRAWINGS, POSTAGE
PREPAID TO:

**DEPARTMENT OF VETERANS AFFAIRS
WOMEN'S HEALTH CLINIC
VA Medical Center
SPECIFICATIONS**

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VAMC WOMEN'S HEALTH CENTER

Las Vegas, NV

CD Submission

Mechanical Calculations

jba consulting engineers

VA Medical Center - Womens Center

Location
Building owner
Program user
Company
Comments

North Las Vegas NV

By

Dataset name

JBACE

C:\PROJECTS\11.0884 VAMC WOMEN'S
CENTER\110884_VA.TRC

Calculation time

02:03 PM on 07/11/2012

TRACE® 700 version

6.2.6.5

Location

Las Vegas, Nevada

Latitude

36.0 deg

Longitude

115.0 deg

Time Zone

8

Elevation

2,162 ft

Barometric pressure

27.5 in. Hg

Air density

0.0699 lb/cu ft

Air specific heat

0.2444 Btu/lb·°F

Density-specific heat product

1.0253 Btu/h·cfm·°F

Latent heat factor

4,513.4 Btu·min/h·cu ft

Enthalpy factor

4.1946 lb·min/hr·cu ft

Summer design dry bulb

109 °F

Summer design wet bulb

68 °F

Winter design dry bulb

28 °F

Summer clearness number

1.10

Winter clearness number

1.00

Summer ground reflectance

0.20

Winter ground reflectance

0.20

Carbon Dioxide Level

400 ppm

Design simulation period

January - December

Cooling load methodology

CLTD-CLF (ASHRAE TFM)

Heating load methodology

CLTD-CLF (ASHRAE-TFM)



Entered Values

TRACE® 700 version 6.2.6.5

By JBACE

Project Name: VA Medical Center - Womens Center
Dataset Name: C:\PROJECTS\11.0884 VAMC WOMEN'S CENTER\110884_VA.TRC
Location: North Las Vegas NV
Building Owner:
Program User:
Company:
Comments:

Cooling Design Period: January thru December
Peak Hour Override: 0
Daylight Savings Period:
Summer Period:
Cooling Methodology: CLTD-CLF (ASHRAE TFM)
Heating Methodology: CLTD-CLF (ASHRAE-TFM)
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: NO
Building Orientation: 0 degrees from north
Simulation Hours: Reduced year
Calendar Code: Standard (1978)
Energy Simulation Period: January thru December

Location: Las Vegas, Nevada
Summer Design Dry Bulb: 109.20 °F
Summer Design Wet Bulb: 67.60 °F
Winter Design Dry Bulb: 28.20 °F
Summer Clearness Number: 1.10
Winter Clearness Number: 1.00
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

ENTERED VALUES

ROOM BY ROOM

By JBACE

Room Description: 3A229 - Existing Break Room		Zone Description: No Zone		System Description: RTU-ADM-2	
GENERAL INFORMATION		PEOPLE		AIRFLOW INFORMATION	
Floor Area: 589 ft ² Plenum Height: 8.0 ft Slab Cnstr Type: 4" LW Concrete Room Mass: Time delay based on actual mass Ceiling R-Value: 1.786 hr-ft ² -°F/Btu Is There Carpet?: YES Design Cig DB / Drift Point: 75.0 °F / 75.0 °F Design Htg DB / Drift Point: 72.0 °F / 72.0 °F Design Relative Humidity: 45 % Moisture Capacitance: Medium Cig Tstat: None Htg Tstat: None Thermostat Location: Room Humidistat Location: Room CO2 Sensor Location: None Room Type: Conditioned	Flr-Fir Height: 17.0 ft Height Above Fir: Room Mass: Time delay based on actual mass Ceiling R-Value: 1.786 hr-ft ² -°F/Btu Is There Carpet?: YES Design Cig DB / Drift Point: 75.0 °F / 75.0 °F Design Htg DB / Drift Point: 72.0 °F / 72.0 °F Design Relative Humidity: 45 % Moisture Capacitance: Medium Cig Tstat: None Htg Tstat: None Thermostat Location: Room Humidistat Location: Room CO2 Sensor Location: None Room Type: Conditioned	People Type: Restaurant # of People: 50 sq ft/person People Sensible: 275 Btu/h People Latent : 275 Btu/h People Schedule: Cooling Only (Design) Workstation: 1.0 workstation/person Lighting Type: Fluorescent, hung below ceiling, 100% load to space Fixture Type: SUSFLUOR % Load to RA: 0 % Lighting Schedule: Cooling Only (Design) Lighting Amount: 1.5 W/sq ft Ballast Factor: 1.0	People Type / Energy Type Alpha U Value Btu/h-ft ² -°F 0.0333 0.90 0.0444 0.90 VAMC Hospital Glass None	Area ft ² 0 197 VAMC Hospital Glass None	Shade Coef 0.37 0.37 VAMC Hospital Glass None
				Cooling (Area-based) Break Rooms 0.06 cfm/sq ft None 0.00 air changes/hr 1.00 cfm/sq ft To be calculated Room Exhaust: Rm Exh Sched: Available (100%) Std 62.1-2004 Cooling Ez: Ceiling cld supply, ceiling return Heating Ez: Ceiling supply < Trm+15°F(8°C), ceiling return Er: Default based on system type	
				Adj Temp/ Grnd Ref Pct Sen/ Cool Tm Pct Rm/ Heat Tm Rad Ref/ Perm Len Coef Loss Coef	

Room Description: 3A231 - Male Toilet		Zone Description: No Zone		System Description: RTU-ADM-2	
GENERAL INFORMATION		PEOPLE		AIRFLOW INFORMATION	
Floor Area: 45 ft ² Plenum Height: 8.0 ft Slab Cnstr Type: 4" LW Concrete Room Mass: Time delay based on actual mass Ceiling R-Value: 1.786 hr-ft ² -°F/Btu Is There Carpet?: YES Design Cig DB / Drift Point: 75.0 °F / 75.0 °F Design Htg DB / Drift Point: 72.0 °F / 72.0 °F Design Relative Humidity: 45 % Moisture Capacitance: Medium Cig Tstat: None Htg Tstat: None Thermostat Location: Room Humidistat Location: Room CO2 Sensor Location: None Room Type: Conditioned	Flr-Fir Height: 17.0 ft Height Above Fir: Room Mass: Time delay based on actual mass Ceiling R-Value: 1.786 hr-ft ² -°F/Btu Is There Carpet?: YES Design Cig DB / Drift Point: 75.0 °F / 75.0 °F Design Htg DB / Drift Point: 72.0 °F / 72.0 °F Design Relative Humidity: 45 % Moisture Capacitance: Medium Cig Tstat: None Htg Tstat: None Thermostat Location: Room Humidistat Location: Room CO2 Sensor Location: None Room Type: Conditioned	People Type: None # of People: 0 People People Sensible: 250 Btu/h People Latent : 250 Btu/h People Schedule: Cooling Only (Design) Workstation: 0.0 workstation/person Lighting Type: Fluorescent, hung below ceiling, 100% load to space Fixture Type: SUSFLUOR % Load to RA: 0 % Lighting Schedule: Cooling Only (Design) Lighting Amount: 1.5 W/sq ft Ballast Factor: 1.0	People Type / Energy Type Alpha U Value Btu/h-ft ² -°F 0.0333 0.90 0.0444 0.90 VAMC Hospital Glass None	Area ft ² 0 197 VAMC Hospital Glass None	Shade Coef 0.37 0.37 VAMC Hospital Glass None
				Cooling (Area-based) Break Rooms 0.06 cfm/sq ft None 0.00 air changes/hr 1.00 cfm/sq ft To be calculated Room Exhaust: Rm Exh Sched: Available (100%) Std 62.1-2004 Cooling Ez: Ceiling cld supply, ceiling return Heating Ez: Ceiling supply < Trm+15°F(8°C), ceiling return Er: Default based on system type	
				Adj Temp/ Grnd Ref Pct Sen/ Cool Tm Pct Rm/ Heat Tm Rad Ref/ Perm Len Coef	

By JBACE

Room Description: 3A233 - Female Toilet	Zone Description: No Zone	System Description: RTU-ADM-2
GENERAL INFORMATION		AIRFLOW INFORMATION
Floor Area: 45 ft² Plenum Height: 8.0 ft 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 Cig DB / Drift Point: 75.0 °F / 75.0 °F Design Htg DB / Drift Point: 72.0 °F / 72.0 °F Design Relative Humidity: 45 % Moisture Capacitance: Medium Cig Tstat: None Htg Tstat: None Thermostat Location: Room Humidistat Location: Room CO2 Sensor Location: None Room Type: Conditioned	People Type: None # of People: 0 People People Sensible: 250 Btu/h People Latent : 250 Btu/h People Schedule: Cooling Only (Design) Workstation: 0.0 workstation/person LIGHTS Lighting Type: Fluorescent, hung below ceiling, 100% load to space Fixture Type: SUSFLUOR % Load to RA: 0 % Lighting Schedule: Cooling Only (Design) Lighting Amount: 1.5 W/sq ft Ballast Factor: 1.0	Cooling (Peop-based): Default Std62 Vent Type: 0.00 cfm/person Vent Value: 0.00 cfm/sq ft Vent Schedule: Available (100%) Infil Type: None Infil Value: 0.00 air changes/hr Infil Schedule: Available (100%) Vav Min Airflow: 100.00 % Clg Airflow Vav Min Sched: Available (100%) Supply: 10.00 air changes/hr To be calculated Aux Supply: To be calculated Room Exhaust: 10.00 air changes/hr Rm Exh Sched: Available (100%) Std 62.1-2004 Cooling Ez: Ceiling clg supply, ceiling return Heating Ez: Ceiling supply < Trm+15°F(8°C), ceiling return Er: Default based on system type

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h-ft²·°F	Glass						Alpha	Pct Steel Sheet, 6" Ins
						Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h-ft²·°F	External Shading	Internal Shading		
Roof - 1	45 ft²	0	90	Steel Sheet,	0.0333	0.90	0						

Room Description: 3A331 - Public Restroom	Zone Description: No Zone	System Description: RTU-ADM-2
GENERAL INFORMATION		AIRFLOW INFORMATION
Floor Area: 73 ft² Plenum Height: 8.0 ft 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 Cig DB / Drift Point: 75.0 °F / 75.0 °F Design Hg DB / Drift Point: 72.0 °F / 72.0 °F Design Relative Humidity: 45 % Moisture Capacitance: Medium Cig Tstat: None Htg Tstat: None	People Type: None # of People: 0 People People Sensible: 250 Btu/h People Latent : 250 Btu/h People Schedule: Cooling Only (Design) Workstation: 0.0 workstation/person <u>LIGHTS</u> Lighting Type: Fluorescent, hung below ceiling, 100% load to space Fixture Type: SUSFLUOR % Load to RA: 0 % Lighting Schedule: Cooling Only (Design) Lighting Amount: 1.5 W/sq ft Ballast Factor: 1.0	<u>Cooling (Peop-based):</u> Vent Type: Default Std62 Vent Value: 0.00 cfm/person Vent Schedule: Available (100%) Infil Type: None Infil Value: 0.00 air changes/hr Infil Schedule: Available (100%) Vav Min Airflow: 100.00 % Cig Airflow Vav Min Sched: Available (100%) Supply: 10.00 air changes/hr Aux Supply: To be calculated Room Exhaust: 10.00 air changes/hr Rm Exh Sched: Available (100%) 10.00 % Cig Airflow To be calculated <u>Std 62.1-2004</u> Cooling Ez: Ceiling clg supply, ceiling return Heating Ez: Ceiling supply < Trm+15°F(8°C), ceiling return Er: Default based on system type 100 % 100 %

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h-ft²·°F	Type / Energy Type	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 Rad Ret/ Perm Loss Coef Len
Roof - 1	73 ft²	0	90	Steel Sheet, 6"	Ins	Alpha	0		0.0333	Overhang - None	None				

ENTERED VALUES

ROOM BY ROOM

By JBACE

Room Description: 3A332 - Lactation				Zone Description: No Zone				System Description: RTU-ADM-2			
GENERAL INFORMATION				PEOPLE				AIRFLOW INFORMATION			
Floor Area: 98 ft²	Flr-Fir Height: 17.0 ft	People Type: Hospital Room		Vent Type: None		Cooling		Heating			
Plenum Height: 8.0 ft	Height Above Fir:	# of People: 2 People		Vent Value: 2.00 air changes/hr		None		None			
Slab Cnstr Type: 4" LW Concrete	Room Mass: Time delay based on actual mass	People Latent : 200 Btu/h		Vent Schedule: Available (100%)		None		2.00 air changes/hr			
Ceiling R-Value: 1.786 hr-ft²-°F/Btu	Is There Carpet?: YES	People Schedule: Cooling Only (Design)		Infil Type: None		None		None			
Design Cig DB / Drift Point: 75.0 °F / 75.0 °F	Design Htg DB / Drift Point: 72.0 °F / 72.0 °F	Workstation: 1.0 workstation/person		Infil Value: 0.00 air changes/hr		0.00 air changes/hr		0.00 air changes/hr			
Design Relative Humidity: 45 %	Moisture Capacitance: Medium	Lighting Type: Fluorescent, hung below ceiling, 100% load to space		Vav Min Airflow: 50.00 % Cig Airflow		Available (100%)		To be calculated			
Cig Tstat: None	Htg Tstat: None	Fixture Type: SUSFLUOR		Vav Min Sched: Available (100%)		Supply: 6.00 air changes/hr		To be calculated			
Thermostat Location: Room	Floor Multiplier: 1	% Load to RA: 0 %		Lighting Schedule: Cooling Only (Design)		Room Exhaust: 6.00 air changes/hr		To be calculated			
Humidistat Location: Room	Room Multiplier: 1	Lighting Amount: 3.0 W/sq ft		Ballast Factor: 1.0		Rm Exh Sched: Available (100%)					
CO2 Sensor Location: None	Room Type: Conditioned										

Room Description: 3A333 - Waiting Room				Zone Description: No Zone				System Description: RTU-ADM-2			
GENERAL INFORMATION				PEOPLE				AIRFLOW INFORMATION			
Floor Area: 800 ft²	Flr-Fir Height: 17.0 ft	People Type: Hotel/Motel Lobby		Vent Type: None		Cooling		Heating			
Plenum Height: 8.0 ft	Height Above Fir:	# of People: 20 sq ft/person		Vent Value: 100.00 % Cig Airflow		None		None			
Slab Cnstr Type: 4" LW Concrete	Room Mass: Time delay based on actual mass	People Latent : 200 Btu/h		Vent Schedule: Available (100%)		None		100.00 air changes/hr			
Ceiling R-Value: 1.786 hr-ft²-°F/Btu	Is There Carpet?: YES	People Schedule: Cooling Only (Design)		Infil Type: None		None		None			
Design Cig DB / Drift Point: 75.0 °F / 75.0 °F	Design Htg DB / Drift Point: 72.0 °F / 72.0 °F	Workstation: 0.0 workstation/person		Infil Value: 0.00 air changes/hr		0.00 air changes/hr		0.00 air changes/hr			
Design Relative Humidity: 45 %	Moisture Capacitance: Medium	Lighting Type: Fluorescent, hung below ceiling, 100% load to space		Vav Min Airflow: 50.00 % Cig Airflow		Available (100%)		To be calculated			
Cig Tstat: None	Htg Tstat: None	Fixture Type: SUSFLUOR		Lighting Schedule: Cooling Only (Design)		Room Exhaust: 6.00 air changes/hr		To be calculated			
Thermostat Location: Room	Floor Multiplier: 1	% Load to RA: 0 %		Lighting Amount: 1.3 W/sq ft		Rm Exh Sched: Available (100%)					
Humidistat Location: Room	Room Multiplier: 1	Ballast Factor: 1.0									
CO2 Sensor Location: None	Room Type: Conditioned										

Room Description: 3A332 - Lactation				Zone Description: No Zone				System Description: RTU-ADM-2			
GENERAL INFORMATION				PEOPLE				AIRFLOW INFORMATION			
Floor Area: 800 ft²	Flr-Fir Height: 17.0 ft	People Type: Hotel/Motel Lobby		Vent Type: None		Cooling		Heating			
Plenum Height: 8.0 ft	Height Above Fir:	# of People: 20 sq ft/person		Vent Value: 100.00 % Cig Airflow		None		None			
Slab Cnstr Type: 4" LW Concrete	Room Mass: Time delay based on actual mass	People Latent : 200 Btu/h		Vent Schedule: Available (100%)		None		100.00 air changes/hr			
Ceiling R-Value: 1.786 hr-ft²-°F/Btu	Is There Carpet?: YES	People Schedule: Cooling Only (Design)		Infil Type: None		None		None			
Design Cig DB / Drift Point: 75.0 °F / 75.0 °F	Design Htg DB / Drift Point: 72.0 °F / 72.0 °F	Workstation: 0.0 workstation/person		Infil Value: 0.00 air changes/hr		0.00 air changes/hr		0.00 air changes/hr			
Design Relative Humidity: 45 %	Moisture Capacitance: Medium	Lighting Type: Fluorescent, hung below ceiling, 100% load to space		Vav Min Airflow: 50.00 % Cig Airflow		Available (100%)		To be calculated			
Cig Tstat: None	Htg Tstat: None	Fixture Type: SUSFLUOR		Lighting Schedule: Cooling Only (Design)		Room Exhaust: 6.00 air changes/hr		To be calculated			
Thermostat Location: Room	Floor Multiplier: 1	% Load to RA: 0 %		Lighting Amount: 1.3 W/sq ft		Rm Exh Sched: Available (100%)					
Humidistat Location: Room	Room Multiplier: 1	Ballast Factor: 1.0									
CO2 Sensor Location: None	Room Type: Conditioned										

Room Description: 3A333 - Waiting Room				Zone Description: No Zone				System Description: RTU-ADM-2			
GENERAL INFORMATION				PEOPLE				AIRFLOW INFORMATION			
Floor Area: 800 ft²	Flr-Fir Height: 17.0 ft	People Type: Hotel/Motel Lobby		Vent Type: None		Cooling		Heating			
Plenum Height: 8.0 ft	Height Above Fir:	# of People: 20 sq ft/person		Vent Value: 100.00 % Cig Airflow		None		None			
Slab Cnstr Type: 4" LW Concrete	Room Mass: Time delay based on actual mass	People Latent : 200 Btu/h		Vent Schedule: Available (100%)		None		100.00 air changes/hr			
Ceiling R-Value: 1.786 hr-ft²-°F/Btu	Is There Carpet?: YES	People Schedule: Cooling Only (Design)		Infil Type: None		None		None			
Design Cig DB / Drift Point: 75.0 °F / 75.0 °F	Design Htg DB / Drift Point: 72.0 °F / 72.0 °F	Workstation: 0.0 workstation/person		Infil Value: 0.00 air changes/hr		0.00 air changes/hr		0.00 air changes/hr			
Design Relative Humidity: 45 %	Moisture Capacitance: Medium	Lighting Type: Fluorescent, hung below ceiling, 100% load to space		Vav Min Airflow: 50.00 % Cig Airflow		Available (100%)		To be calculated			
Cig Tstat: None	Htg Tstat: None	Fixture Type: SUSFLUOR		Lighting Schedule: Cooling Only (Design)		Room Exhaust: 6.00 air changes/hr		To be calculated			
Thermostat Location: Room	Floor Multiplier: 1	% Load to RA: 0 %		Lighting Amount: 1.3 W/sq ft		Rm Exh Sched: Available (100%)					
Humidistat Location: Room	Room Multiplier: 1	Ballast Factor: 1.0									
CO2 Sensor Location: None	Room Type: Conditioned										

ENTERED VALUES

ROOM BY ROOM

By JBACE

Room Description: 3A333 - Waiting Room Exterior				Zone Description: No Zone		System Description: RTU-ADM-2									
GENERAL INFORMATION				PEOPLE		AIRFLOW INFORMATION									
Floor Area: 90 ft²	Flr-Fir Height: 17.0 ft			People Type: Hotel/Motel Lobby		Cooling	Heating								
Plenum Height: 8.0 ft	Height Above Flr:			# of People: 20 sq ft/person		None	None								
Slab Cnstr Type: 4" LW Concrete				People Sensible: 250 Btu/h		100.00 % Cig Airflow	100.00 air changes/hr								
Room Mass: Time delay based on actual mass				People Latent : 200 Btu/h		Available (100%)	None								
Ceiling R-Value: 1.786 hr-ft²-°F/Btu				People Schedule: Cooling Only (Design)		None	0.00 air changes/hr								
Is There Carpet?: YES				Workstation: 0.0 workstation/person		0.00 air changes/hr	0.00 air changes/hr								
Design Cig DB / Drift Point: 75.0 °F / 75.0 °F						Available (100%)	Available (100%)								
Design Htg DB / Drift Point: 72.0 °F / 72.0 °F						Available (100%)	Available (100%)								
Design Relative Humidity: 45 %						Available (100%)	Available (100%)								
Moisture Capacitance: Medium						To be calculated	6.00 air changes/hr								
Cig Tstat: None						To be calculated	To be calculated								
Htg Tstat: None						6.00 air changes/hr	0.00 air changes/hr								
Thermostat Location: Room	Floor Multiplier: 1					Room Exhaust: 6.00 air changes/hr	To be calculated								
Humidistat Location: Room	Room Multiplier: 1					Rm Exh Sched: Available (100%)	Available (100%)								
CO2 Sensor Location: None															
Room Type: Conditioned															

Description				Area/Amount		Dir		Const Type / Tilt Schedule		U Value		Type / Energy Type		Area		Shade Coef		Glass		Adj Temp/Grnd Refl		Pct Sen/ Cool Tmp		Pct Rm/ Heat Tmp		Rad Perm Len		Rad Loss Coef	
Roof - 1				90 ft²	0	90	Steel Sheet, 6" Ins			0.0333	0.90	Alpha	0.90	0															
South				149 ft²	180	0	Frame Wall, 4" Ins			0.0444	0.90	VAMC Hospital Glass		53		0.37													
Opening - 1							Window																						

Room Description: 3A333A - Playarea				Zone Description: No Zone		System Description: RTU-ADM-2									
GENERAL INFORMATION				PEOPLE		AIRFLOW INFORMATION									
Floor Area: 154 ft²	Flr-Fir Height: 17.0 ft			People Type: Hotel/Motel Lobby		Cooling	Heating								
Plenum Height: 8.0 ft	Height Above Flr:			# of People: 20 sq ft/person		None	None								
Slab Cnstr Type: 4" LW Concrete				People Sensible: 250 Btu/h		100.00 % Cig Airflow	100.00 air changes/hr								
Room Mass: Time delay based on actual mass				People Latent : 200 Btu/h		Available (100%)	None								
Ceiling R-Value: 1.786 hr-ft²-°F/Btu				People Schedule: Cooling Only (Design)		None	0.00 air changes/hr								
Is There Carpet?: YES				Workstation: 0.0 workstation/person		0.00 air changes/hr	0.00 air changes/hr								
Design Cig DB / Drift Point: 75.0 °F / 75.0 °F						Available (100%)	Available (100%)								
Design Htg DB / Drift Point: 72.0 °F / 72.0 °F						Available (100%)	Available (100%)								
Design Relative Humidity: 45 %						Available (100%)	Available (100%)								
Moisture Capacitance: Medium						To be calculated	6.00 air changes/hr								
Cig Tstat: None						To be calculated	To be calculated								
Htg Tstat: None						6.00 air changes/hr	0.00 air changes/hr								
Thermostat Location: Room	Floor Multiplier: 1					Room Exhaust: 6.00 air changes/hr	To be calculated								
Humidistat Location: Room	Room Multiplier: 1					Rm Exh Sched: Available (100%)	Available (100%)								
CO2 Sensor Location: None															
Room Type: Conditioned															

Description				Area/Amount		Dir		Const Type / Tilt Schedule		U Value		Type / Energy Type		Area		Shade Coef		Glass		Adj Temp/Grnd Refl		Pct Sen/ Cool Tmp		Pct Rm/ Heat Tmp		Rad Perm Len		Rad Loss Coef	
Roof - 1				154 ft²	0	90	Steel Sheet, 6" Ins			0.0333	0.90	Alpha	0.90	0															
South				264 ft²	180	0	Frame Wall, 4" Ins			0.0444	0.90	VAMC Hospital Glass		56		0.37													
Opening - 1							Window																						

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Room Description:	Zone Description:	System Description:
GENERAL INFORMATION Floor Area: 376 ft ² Fir-Fir Height: 17.0 ft Plenum Height: 8.0 ft Height Above Fir: Slab Cnstr Type: 4" LW Concrete Room Mass: Time delay based on actual mass Ceiling R-Value: 1.786 hr-ft ² -°F/Btu Is There Carpet?: YES Design Cig DB / Drift Point: 75.0 °F / 75.0 °F Design Htg DB / Drift Point: 72.0 °F / 72.0 °F Design Relative Humidity: 45 % Moisture Capacitance: Medium Cig Tstat: None Htg Tstat: None Thermostat Location: Room Humidistat Location: Room CO2 Sensor Location: None Room Type: Conditioned	PEOPLE People Type: Reception Area # of People: 40 sq ft/person People Sensible: 245 Btu/h People Latent : 155 Btu/h People Schedule: Cooling Only (Design) Workstation: 0.0 workstation/person <u>LIGHTS</u> Lighting Type: Fluorescent, hung below ceiling, 100% load to space Fixture Type: SUSFLUOR % Load to RA: 0 % Lighting Schedule: Cooling Only (Design) Lighting Amount: 3.0 W/sq ft Ballast Factor: 1.0	AIRFLOW INFORMATION <div>Cooling (Peop-based)</div> <div>Heating (Area-based)</div> Vent Type: Reception areas Vent Value: 5.00 cfm/person Vent Schedule: Available (100%) Infil Type: None Infil Value: 0.00 air changes/hr Infil Schedule: Available (100%) Vav Min Airflow: 50.00 % Clg Airflow Vav Min Sched: Available (100%) Supply: 1.00 cfm/sq ft Aux Supply: To be calculated Room Exhaust: Rm Exh Sched: Available (100%) <u>Std 62.1-2004</u> Cooling Ez: Ceiling clg supply, ceiling return Heating Ez: Ceiling supply < Trm+15°F(8°C), ceiling return Er: Default based on system type

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h-ft ² -°F	Alpha	Glass					Adj Temp/ Grnd Refl	Pct			Rad Loss/ Perm Len
							Type / Energy Type	Area ft ²	Shade Coef	U Value Btu/h-ft ² -°F	External Shading		Internal Shading	Sen/ Cool Temp	Rm/ Heat Temp	
Roof - 1	376 ft ²	0	90	Steel Sheet, 6" Ins	0.0333	0.90										
South	315 ft ²	180	0	Frame Wall, 4" Ins	0.0444	0.90										
Opening - 1				Window												
Misc Load 1	2.0 W/sq ft			Cooling Only (Design)												
				VAMC Hospital Glass			83	0.37	0.30	Overhang - None	None	0.00			100	100
				None						Overhang - None	None				0	60.00

Room Description: 3A335 - Pharmacy	Zone Description: No Zone	System Description: RTU-ADM-2
<div><div>GENERAL INFORMATION</div><div>Floor Area: 113 ft² Plenum Height: 8.0 ft 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 Cig DB / Drift Point: 75.0 °F / 75.0 °F Design Hg DB / Drift Point: 72.0 °F / 72.0 °F Design Relative Humidity: 45 % Moisture Capacitance: Medium Cig Tstat: None Htg Tstat: None Thermostat Location: Room Humidistat Location: Room CO2 Sensor Location: None Room Type: Conditioned</div></div>	<div><div>PEOPLE</div><div>People Type: General Office Space # of People: 143 sq ft/person People Sensible: 250 Btu/h People Latent : 200 Btu/h People Schedule: Cooling Only (Design) Workstation: 1.0 workstation/person Lighting Type: Fluorescent, hung below ceiling, 100% load to space Fixture Type: SUSFLUOR % Load to RA: 0 % Lighting Schedule: Cooling Only (Design) Lighting Amount: 2.0 W/sq ft Ballast Factor: 1.0</div></div>	<div><div>AIRFLOW INFORMATION</div><div><div>Cooling</div><div>Vent Type: None Vent Value: 2.00 air changes/hr Vent Schedule: Available (100%) Infil Type: None Infil Value: 0.00 air changes/hr Infil Schedule: Available (100%) Vav Min Airflow: 50.00 % Cig Airflow Vav Min Sched: Available (100%) Supply: 4.00 air changes/hr Aux Supply: To be calculated Room Exhaust: 4.00 air changes/hr Rm Exh Sched: Available (100%)</div><div>Heating</div><div>None 2.00 air changes/hr None 0.00 air changes/hr 4.00 air changes/hr To be calculated</div></div></div>

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h-ft²-°F	Glass										Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Rad Frc/ Perm Len	Pct Cool Coef
						Alpha	Type/ Energy Type	Area ft²	Shade Coef	U Value Btu/h-ft²-°F	External Shading	Internal Shading	None	Overhang - None						
Roof - 1	113 ft²	0	90	Steel Sheet, 6* Ins	0.0333	0.90														
Misc Load 1	1.0 W/sq ft			Cooling Only (Design)		None	0													

ENTERED VALUES

ROOM BY ROOM

By JBACE

Room Description: 3A336 - MGR				Zone Description: No Zone				System Description: RTU-ADM-2			
GENERAL INFORMATION				PEOPLE				AIRFLOW INFORMATION			
Floor Area: 109 ft ²	Flr-Fir Height: 17.0 ft	Plenum Height: 8.0 ft	Height Above Flr:	People Type: General Office Space				Cooling (Area-based)			
Slab Cnstr Type: 4" LW Concrete				# of People: 3 People				Office space			
Room Mass: Time delay based on actual mass				People Latent : 200 Btu/h				Vent Value: 5.00 cfm/person			
Ceiling R-Value: 1.786 hr-ft ² -°F/Btu				People Schedule: Cooling Only (Design)				Vent Schedule: Available (100%)			
Is There Carpet?: YES				Workstation: 0.0 workstation/person				Infil Type: None			
Design Cig DB / Drift Point: 75.0 °F / 75.0 °F				Lighting Type: Fluorescent, hung below ceiling, 100% load to space				Infil Value: 0.00 air changes/hr			
Design Htg DB / Drift Point: 72.0 °F / 72.0 °F				Fixture Type: SUSFLUOR				Available (100%)			
Design Relative Humidity: 45 %				% Load to RA: 0 %				Vav Min Airflow: 50.00 % Cig Airflow			
Moisture Capacitance: Medium				Lighting Schedule: Cooling Only (Design)				Vav Min Sched: Available (100%)			
Cig Tstat: None				Lighting Amount: 3.0 W/sq ft				Supply: 1.00 cfm/sq ft			
Htg Tstat: None				Ballast Factor: 1.0				To be calculated			
Thermostat Location: Room								Room Exhaust: To be calculated			
Humidistat Location: Room								Rm Exh Sched: Available (100%)			
CO2 Sensor Location: None								Std 62.1-2004			
Room Type: Conditioned								Cooling Ez: Ceiling dlg supply, ceiling return			
								Heating Ez: Ceiling supply < Trm+15°F(8°C), ceiling return			
								Er: Default based on system type			

Room Description: 3A337 - Treatment				Zone Description: No Zone				System Description: RTU-ADM-2			
GENERAL INFORMATION				PEOPLE				AIRFLOW INFORMATION			
Floor Area: 186 ft ²	Flr-Fir Height: 17.0 ft	Plenum Height: 8.0 ft	Height Above Flr:	People Type: Hospital Room				Cooling			
Slab Cnstr Type: 4" LW Concrete				# of People: 2 People				None			
Room Mass: Time delay based on actual mass				People Sensible: 250 Btu/h				Vent Value: 2.00 air changes/hr			
Ceiling R-Value: 1.786 hr-ft ² -°F/Btu				People Latent : 200 Btu/h				Vent Schedule: Available (100%)			
Is There Carpet?: YES				People Schedule: Cooling Only (Design)				Infil Type: None			
Design Cig DB / Drift Point: 75.0 °F / 75.0 °F				Workstation: 1.0 workstation/person				Infil Value: 0.00 air changes/hr			
Design Htg DB / Drift Point: 72.0 °F / 72.0 °F				Lighting Type: Fluorescent, hung below ceiling, 100% load to space				Available (100%)			
Design Relative Humidity: 45 %				Fixture Type: SUSFLUOR				Vav Min Airflow: 50.00 % Cig Airflow			
Moisture Capacitance: Medium				% Load to RA: 0 %				Vav Min Sched: Available (100%)			
Cig Tstat: None				Lighting Schedule: Cooling Only (Design)				Supply: 6.00 air changes/hr			
Htg Tstat: None				Lighting Amount: 3.0 W/sq ft				To be calculated			
Thermostat Location: Room				Ballast Factor: 1.0				Room Exhaust: 6.00 air changes/hr			
Humidistat Location: Room								Rm Exh Sched: Available (100%)			
CO2 Sensor Location: None											
Room Type: Conditioned											

Room Description: 3A337 - Treatment				Zone Description: No Zone				System Description: RTU-ADM-2			
GENERAL INFORMATION				PEOPLE				AIRFLOW INFORMATION			
Floor Area: 186 ft ²	Flr-Fir Height: 17.0 ft	Plenum Height: 8.0 ft	Height Above Flr:	People Type: Hospital Room				Cooling			
Slab Cnstr Type: 4" LW Concrete				# of People: 2 People				None			
Room Mass: Time delay based on actual mass				People Sensible: 250 Btu/h				Vent Value: 2.00 air changes/hr			
Ceiling R-Value: 1.786 hr-ft ² -°F/Btu				People Latent : 200 Btu/h				Vent Schedule: Available (100%)			
Is There Carpet?: YES				People Schedule: Cooling Only (Design)				Infil Type: None			
Design Cig DB / Drift Point: 75.0 °F / 75.0 °F				Workstation: 1.0 workstation/person				Infil Value: 0.00 air changes/hr			
Design Htg DB / Drift Point: 72.0 °F / 72.0 °F				Lighting Type: Fluorescent, hung below ceiling, 100% load to space				Available (100%)			
Design Relative Humidity: 45 %				Fixture Type: SUSFLUOR				Vav Min Airflow: 50.00 % Cig Airflow			
Moisture Capacitance: Medium				% Load to RA: 0 %				Vav Min Sched: Available (100%)			
Cig Tstat: None				Lighting Schedule: Cooling Only (Design)				Supply: 6.00 air changes/hr			
Htg Tstat: None				Lighting Amount: 3.0 W/sq ft				To be calculated			
Thermostat Location: Room				Ballast Factor: 1.0				Room Exhaust: 6.00 air changes/hr			
Humidistat Location: Room								Rm Exh Sched: Available (100%)			
CO2 Sensor Location: None											
Room Type: Conditioned											

ENTERED VALUES
ROOM BY ROOM

By JBACE

Room Description: 3A337A - Restroom			Zone Description: No Zone			System Description: RTU-ADM-2		
GENERAL INFORMATION			PEOPLE			AIRFLOW INFORMATION		
Floor Area: 57 ft²	Flr-Flr Height: 17.0 ft		People Type: None			Cooling (Peop-based):		Heating (Area-based):
Plenum Height: 8.0 ft	Height Above Flr:		# of People: 0 People			Default Std62		Default Std62
Slab Cnstr Type: 4" LW Concrete			People Sensible: 250 Btu/h			Vent Value: 0.00 cfm/person		0.00 cfm/sq ft
Room Mass: Time delay based on actual mass			People Latent : 250 Btu/h			Vent Schedule: Available (100%)		
Ceiling R-Value: 1.786 hr-ft²-°F/Btu			People Schedule: Cooling Only (Design)			Infil Type: None		None
Is There Carpet?: YES						Infil Value: 0.00 air changes/hr		0.00 air changes/hr
Design Cig DB / Drift Point: 75.0 °F / 75.0 °F			Workstation: 0.0 workstation/person			Available (100%)		
Design Htg DB / Drift Point: 72.0 °F / 72.0 °F						Vav Min Airflow: 100.00 % Cig Airflow		
Design Relative Humidity: 45 %					<u>LIGHTS</u>	Vav Min Sched: Available (100%)		
Moisture Capacitance: Medium			Lighting Type: Fluorescent, hung below ceiling, 100% load to space			Supply: 10.00 air changes/hr		10.00 air changes/hr
Cig Tstat: None			Fixture Type: SUSFLUOR			Aux Supply: To be calculated		To be calculated
Htg Tstat: None			% Load to RA: 0 %			Room Exhaust: 10.00 air changes/hr		
Thermostat Location:Room	Floor Multiplier: 1		Lighting Schedule: Cooling Only (Design)			Rm Exh Sched: Available (100%)		
Humidistat Location:Room	Room Multiplier: 1		Lighting Amount: 1.5 W/sq ft					
CO2 Sensor Location:None			Ballast Factor: 1.0					
Room Type:Conditioned								

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	Internal Shading	Temp/ Grnd Refl	Sen/ Cool Tmp	Rm/ Heat Tmp	Pct Rad Heat Perm Len	Coef	
							Area	Shade	U Value	External												
Roof - 1	57 ft²	0	90	Steel Sheet, 6" Ins	0.0333	0.90					0				Overhang - None							
West	148 ft²	270	0	Frame Wall, 4" Ins	0.0444	0.90																

Room Description: 3A338 - Treatment			Zone Description: No Zone			System Description: RTU-ADM-2		
GENERAL INFORMATION			PEOPLE			AIRFLOW INFORMATION		
Floor Area: 185 ft²	Flr-Flr Height: 17.0 ft		People Type: Hospital Room			Cooling		Heating
Plenum Height: 8.0 ft	Height Above Flr:		# of People: 2 People			None		None
Slab Cnstr Type: 4" LW Concrete			People Sensible: 250 Btu/h			Vent Value: 2.00 air changes/hr		2.00 air changes/hr
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: None		None
Is There Carpet?: YES			Workstation: 1.0 workstation/person			Infil Value: 0.00 air changes/hr		0.00 air changes/hr
Design Cig DB / Drift Point: 75.0 °F / 75.0 °F					<u>LIGHTS</u>	Infil Schedule: Available (100%)		
Design Htg DB / Drift Point: 72.0 °F / 72.0 °F			Lighting Type: Fluorescent, hung below ceiling, 100% load to space			Vav Min Airflow: 50.00 % Cig Airflow		
Design Relative Humidity: 45 %						Vav Min Sched: Available (100%)		
Moisture Capacitance: Medium						Supply: 6.00 air changes/hr		6.00 air changes/hr
Cig Tstat: None						Aux Supply: To be calculated		To be calculated
Htg Tstat: None			Fixture Type: SUSFLUOR			Room Exhaust: 6.00 air changes/hr		
Thermostat Location:Room	Floor Multiplier: 1		% Load to RA: 0 %			Rm Exh Sched: Available (100%)		
Humidistat Location:Room	Room Multiplier: 1		Lighting Schedule: Cooling Only (Design)					
CO2 Sensor Location:None			Lighting Amount: 3.0 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	Type / Energy Type		Area ft²	Shade Coef	U Value Btu/h-ft²-°F	External Shading	Internal Shading	Glass		Temp/ Grnd Ref	Sen/ Cool Tmp	Rm/ Heat Tmp	Pct Rad	Pct Heat Loss	Per m Len	Coef
														Adj	Pct							
Roof - 1	185 ft²	0	90	Steel Sheet, 6" Ins	0.0333	0.90			0			Overhang - None	None									
West	111 ft²	270	0	Frame Wall, 4" Ins	0.0444	0.90																
Misc Load 1	2.0 W/sq ft			Cooling Only (Design)			None										100	100			0	60.00

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Room Description: 3A339 - Diet	Zone Description: No Zone	System Description: RTU-ADM-2
<div><div><div>GENERAL INFORMATION</div><div>Floor Area: 138 ft²</div><div>Fir-Fir Height: 17.0 ft</div><div>Plenum Height: 8.0 ft</div><div>Height Above Fir:</div><div>Slab Cnstr Type: 4" LW Concrete</div><div>Room Mass: Time delay based on actual mass</div><div>Ceiling R-Value: 1.786 hr-ft²·°F/Btu</div><div>Is There Carpet?: YES</div><div>Design Cig DB / Drift Point: 75.0 °F / 75.0 °F</div><div>Design Htg DB / Drift Point: 72.0 °F / 72.0 °F</div><div>Design Relative Humidity: 45 %</div><div>Moisture Capacitance: Medium</div><div>Cig Tstat: None</div><div>Htg Tstat: None</div><div>Thermostat Location:Room</div><div>Humidistat Location:Room</div><div>CO2 Sensor Location:None</div><div>Room Type:Conditioned</div></div><div><div>PEOPLE</div><div>People Type: General Office Space</div><div># of People: 3 People</div><div>People Sensible: 250 Btu/h</div><div>People Latent : 200 Btu/h</div><div>People Schedule: Cooling Only (Design)</div><div>Workstation: 0.0 workstation/person</div><div>LIGHTS</div><div>Lighting Type: Fluorescent, hung below ceiling, 100% load to space</div><div>Fixture Type: SUSFLUOR</div><div>% Load to RA: 0 %</div><div>Lighting Schedule: Cooling Only (Design)</div><div>Lighting Amount: 3.0 W/sq ft</div><div>Ballast Factor: 1.0</div></div><div><div>FLOOR MULTIPLIER</div><div>Floor Multiplier: 1</div><div>ROOM MULTIPLIER</div><div>Room Multiplier: 1</div></div></div>		<div><div>AIRFLOW INFORMATION</div><div>Cooling (Peop-based)</div><div>Office space</div><div>Heating (Area-based)</div><div>Office space</div><div>0.06 cfm/sq ft</div><div>None</div><div>0.00 air changes/hr</div><div>Vent Type: Office space</div><div>Vent Value: 5.00 cfm/person</div><div>Vent Schedule: Available (100%)</div><div>Infil Type: None</div><div>Infil Value: 0.00 air changes/hr</div><div>Infil Schedule: Available (100%)</div><div>Vav Min Airflow: 50.00 % Clg Airflow</div><div>Vav Min Sched: Available (100%)</div><div>Supply: 1.00 cfm/sq ft</div><div>Aux Supply: To be calculated</div><div>Room Exhaust: To be calculated</div><div>Rm Exh Sched: Available (100%)</div><div>Std 62.1-2004</div><div>Cooling Ez: Ceiling clg supply, ceiling return</div><div>Heating Ez: Ceiling supply < Trm+15°F(8°C), ceiling return</div><div>Er: Default based on system type</div></div> <div><div>100 %</div><div>100 %</div></div>

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h-ft²·°F	Glass					Adj Temp/ Grnd Refl	Pct	Rad	
						Type/ Energy Type	Area ft²	Shade Coef	U Value Btu/h-ft²·°F	External Shading		Internal Shading	Sen/ Cool Tmp	Rm/ Heat Tmp
Roof - 1	138 ft²	0	90	Steel Sheet, 6" Ins	0.0333	0.90	0					100	100	0
Misc Load 1	2.0 W/sq ft			Cooling Only (Design)								100		60.00

Room Description: 3A340 - Flex	Zone Description: No Zone	System Description: RTU-ADM-2
GENERAL INFORMATION Floor Area: 138 ft² Fir-Fir Height: 17.0 ft Plenum Height: 8.0 ft Height Above Fir: 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 Cig DB / Drift Point: 75.0 °F / 75.0 °F Design Htg DB / Drift Point: 72.0 °F / 72.0 °F Design Relative Humidity: 45 % Moisture Capacitance: Medium Cig Tstat: None Htg Tstat: None Thermostat Location: Room Humidistat Location: Room CO2 Sensor Location: None Room Type: Conditioned		PEOPLE People Type: General Office Space # of People: 3 People People Sensible: 250 Btu/h People Latent : 200 Btu/h People Schedule: Cooling Only (Design) Workstation: 0.0 workstation/person LIGHTS Lighting Type: Fluorescent, hung below ceiling, 100% load to space Fixture Type: SUSFLUOR % Load to RA: 0 % Lighting Schedule: Cooling Only (Design) Lighting Amount: 3.0 W/sq ft Ballast Factor: 1.0
		AIRFLOW INFORMATION <div> <div> Cooling (Peop-based) Office space Vent Type: 5.00 cfm/person Vent Value: Available (100%) Vent Schedule: Available (100%) Infil Type: None Infil Value: 0.00 air changes/hr Infil Schedule: Available (100%) Vav Min Airflow: 50.00 % Cig Airflow Vav Min Sched: Available (100%) Supply: 1.00 cfm/sq ft Aux Supply: To be calculated Room Exhaust: To be calculated Rm Exh Sched: Available (100%) </div> <div> Heating (Area-based) Office space 0.06 cfm/sq ft None 0.00 air changes/hr </div> </div> <div> Std 62.1-2004 Cooling Ez: Ceiling cld supply, ceiling return Heating Ez: Ceiling supply < Trm+15°F(8°C), ceiling return Er: Default based on system type </div>
		100 % 100 %

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h-ft²-°F	Glass							Adj Temp/ Grnd Ref	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Rad Fcl/ Perm Loss	Pct Ref/ Len Coef
						Alpha	Type/ Energy Type	Area ft²	Shade Coef	U Value Btu/h-ft²-°F	External Shading	Internal Shading					
Roof - 1	138 ft²	0	90	Steel Sheet 6" Ins	0.0333	0.90		0									
Misc Load 1	2.0 W/sq ft			Cooling Only (Design)		None							100	100			0 60.00

ENTERED VALUES

ROOM BY ROOM

By JBACE

Room Description: 3A341 - Office #1				Zone Description: No Zone				System Description: RTU-ADM-2			
GENERAL INFORMATION				PEOPLE				AIRFLOW INFORMATION			
Floor Area: 140 ft ²	Flr-Fir Height: 17.0 ft	Plenum Height: 8.0 ft	Height Above Flr:	People Type: General Office Space	People Type: General Office Space	People Sensible: 250 Btu/h	People Latent: 200 Btu/h	Cooling (Peop-based) Office space 0.06 cfm/sq ft	Heating (Area-based) Office space 0.06 cfm/sq ft		
Slab Cnstr Type: 4" LW Concrete		Room Mass: Time delay based on actual mass		People Schedule: Cooling Only (Design)	People Schedule: Cooling Only (Design)	Workstation: 0.0 workstation/person		None	None		
Ceiling R-Value: 1.786 hr-ft ² -°F/Btu		Is There Carpet?: YES		Lighting Type: Fluorescent, hung below ceiling, 100% load to space	Lighting Type: Fluorescent, hung below ceiling, 100% load to space	Fixture Type: SUSFLUOR	% Load to RA: 0 %	Infil Type: None	0.00 air changes/hr		
Design Cig DB / Drift Point: 75.0 °F / 75.0 °F		Design Htg DB / Drift Point: 72.0 °F / 72.0 °F		Lighting Schedule: Cooling Only (Design)	Lighting Schedule: Cooling Only (Design)	Lighting Amount: 3.0 W/sq ft	Ballast Factor: 1.0	Infil Value: 0.00 air changes/hr	0.00 air changes/hr		
Design Relative Humidity: 45 %		Moisture Capacitance: Medium						Infil Schedule: Available (100%)	Available (100%)		
Cig Tstat: None		Htg Tstat: None						Vav Min Airflow: 50.00 % Cig Airflow	50.00 % Cig Airflow		
Thermostat Location: Room		Floor Multiplier: 1						Vav Min Sched: Available (100%)	Available (100%)		
Humidistat Location: Room		Room Multiplier: 1						Supply: 1.00 cfm/sq ft	1.00 cfm/sq ft		
CO2 Sensor Location: None								To be calculated	To be calculated		
Room Type: Conditioned								Room Exhaust:			
								Rm Exh Sched: Available (100%)	Available (100%)		
								Cooling Ez: Ceiling cld supply, ceiling return	Cooling Ez: Ceiling cld supply, ceiling return		100 %
								Heating Ez: Ceiling supply < Trm+15°F(8°C), ceiling return	Heating Ez: Ceiling supply < Trm+15°F(8°C), ceiling return		100 %
								Er: Default based on system type	Er: Default based on system type		

Room Description: 3A342 - Office #2				Zone Description: No Zone				System Description: RTU-ADM-2			
GENERAL INFORMATION				PEOPLE				AIRFLOW INFORMATION			
Floor Area: 188 ft ²	Flr-Fir Height: 17.0 ft	Plenum Height: 8.0 ft	Height Above Flr:	People Type: General Office Space	People Type: General Office Space	People Sensible: 250 Btu/h	People Latent: 200 Btu/h	Cooling (Peop-based) Office space 0.06 cfm/sq ft	Heating (Area-based) Office space 0.06 cfm/sq ft		
Slab Cnstr Type: 4" LW Concrete		Room Mass: Time delay based on actual mass		People Schedule: Cooling Only (Design)	People Schedule: Cooling Only (Design)	Workstation: 0.0 workstation/person		None	None		
Ceiling R-Value: 1.786 hr-ft ² -°F/Btu		Is There Carpet?: YES		Lighting Type: Fluorescent, hung below ceiling, 100% load to space	Lighting Type: Fluorescent, hung below ceiling, 100% load to space	Fixture Type: SUSFLUOR	% Load to RA: 0 %	Infil Type: None	0.00 air changes/hr		
Design Cig DB / Drift Point: 75.0 °F / 75.0 °F		Design Htg DB / Drift Point: 72.0 °F / 72.0 °F		Lighting Schedule: Cooling Only (Design)	Lighting Schedule: Cooling Only (Design)	Lighting Amount: 3.0 W/sq ft	Ballast Factor: 1.0	Infil Value: 0.00 air changes/hr	0.00 air changes/hr		
Design Relative Humidity: 45 %		Moisture Capacitance: Medium						Infil Schedule: Available (100%)	Available (100%)		
Cig Tstat: None		Htg Tstat: None						Vav Min Airflow: 50.00 % Cig Airflow	50.00 % Cig Airflow		
Thermostat Location: Room		Floor Multiplier: 1						Vav Min Sched: Available (100%)	Available (100%)		
Humidistat Location: Room		Room Multiplier: 1						Supply: 1.00 cfm/sq ft	1.00 cfm/sq ft		
CO2 Sensor Location: None								To be calculated	To be calculated		
Room Type: Conditioned								Room Exhaust:			
								Rm Exh Sched: Available (100%)	Available (100%)		
								Cooling Ez: Ceiling cld supply, ceiling return	Cooling Ez: Ceiling cld supply, ceiling return		100 %
								Heating Ez: Ceiling supply < Trm+15°F(8°C), ceiling return	Heating Ez: Ceiling supply < Trm+15°F(8°C), ceiling return		100 %
								Er: Default based on system type	Er: Default based on system type		

Room Description: 3A342 - Office #2				Zone Description: No Zone				System Description: RTU-ADM-2			
GENERAL INFORMATION				PEOPLE				AIRFLOW INFORMATION			
Floor Area: 188 ft ²	Flr-Fir Height: 17.0 ft	Plenum Height: 8.0 ft	Height Above Flr:	People Type: General Office Space	People Type: General Office Space	People Sensible: 250 Btu/h	People Latent: 200 Btu/h	Cooling (Peop-based) Office space 0.06 cfm/sq ft	Heating (Area-based) Office space 0.06 cfm/sq ft		
Slab Cnstr Type: 4" LW Concrete		Room Mass: Time delay based on actual mass		People Schedule: Cooling Only (Design)	People Schedule: Cooling Only (Design)	Workstation: 0.0 workstation/person		None	None		
Ceiling R-Value: 1.786 hr-ft ² -°F/Btu		Is There Carpet?: YES		Lighting Type: Fluorescent, hung below ceiling, 100% load to space	Lighting Type: Fluorescent, hung below ceiling, 100% load to space	Fixture Type: SUSFLUOR	% Load to RA: 0 %	Infil Type: None	0.00 air changes/hr		
Design Cig DB / Drift Point: 75.0 °F / 75.0 °F		Design Htg DB / Drift Point: 72.0 °F / 72.0 °F		Lighting Schedule: Cooling Only (Design)	Lighting Schedule: Cooling Only (Design)	Lighting Amount: 3.0 W/sq ft	Ballast Factor: 1.0	Infil Value: 0.00 air changes/hr	0.00 air changes/hr		
Design Relative Humidity: 45 %		Moisture Capacitance: Medium						Infil Schedule: Available (100%)	Available (100%)		
Cig Tstat: None		Htg Tstat: None						Vav Min Airflow: 50.00 % Cig Airflow	50.00 % Cig Airflow		
Thermostat Location: Room		Floor Multiplier: 1						Vav Min Sched: Available (100%)	Available (100%)		
Humidistat Location: Room		Room Multiplier: 1						Supply: 1.00 cfm/sq ft	1.00 cfm/sq ft		
CO2 Sensor Location: None								To be calculated	To be calculated		
Room Type: Conditioned								Room Exhaust:			
								Rm Exh Sched: Available (100%)	Available (100%)		
								Cooling Ez: Ceiling cld supply, ceiling return	Cooling Ez: Ceiling cld supply, ceiling return		100 %
								Heating Ez: Ceiling supply < Trm+15°F(8°C), ceiling return	Heating Ez: Ceiling supply < Trm+15°F(8°C), ceiling return		100 %
								Er: Default based on system type	Er: Default based on system type		

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Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h-ft²·°F	Glass				Adj Temp/ Grnd Ref	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Rad Frc/ Perm Len			
						Alpha	Type/ Energy Type	Area ft²	Shade Coef					U Value Btu/h-ft²·°F	External Shading	Internal Shading
Roof - 1	189 ft²	0	90	Steel Sheet, 6" Ins	0.0333	0.90	0	None								
Misc Load 1	2.0 W/sq ft			Cooling Only (Design)				None			100	100	0	60.00		

Room Description: 3A344 - Office #4	Zone Description: No Zone	System Description: RTU-ADM-2
GENERAL INFORMATION Floor Area: 187 ft² Plenum Height: 8.0 ft 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 Cig DB / Drift Point: 75.0 °F / 75.0 °F Design Htg DB / Drift Point: 72.0 °F / 72.0 °F Design Relative Humidity: 45 % Moisture Capacitance: Medium Cig Tstat: None Htg Tstat: None Thermostat Location: Room Humidistat Location: Room CO2 Sensor Location: None Room Type: Conditioned	PEOPLE People Type: General Office Space # of People: 3 People People Sensible: 250 Btu/h People Latent : 200 Btu/h People Schedule: Cooling Only (Design) Workstation: 0.0 workstation/person LIGHTS Lighting Type: Fluorescent, hung below ceiling, 100% load to space Fixture Type: SUSFLUOR % Load to RA: 0 % Lighting Schedule: Cooling Only (Design) Lighting Amount: 3.0 W/sq ft Ballast Factor: 1.0	AIRFLOW INFORMATION <div> <div> Cooling (Peop-based) Office space Vent Type: 5.00 cfm/person Vent Value: Available (100%) Vent Schedule: Available (100%) Infil Type: None Infil Value: 0.00 air changes/hr Infil Schedule: Available (100%) Vav Min Airflow: 50.00 % Cig Airflow Vav Min Sched: Available (100%) Supply: 1.00 cfm/sq ft Aux Supply: To be calculated Room Exhaust: To be calculated Rm Exh Sched: Available (100%) </div> <div> Heating (Area-based) Office space 0.06 cfm/sq ft None 0.00 air changes/hr </div> </div> <div> Std 62.1-2004 Cooling Ez: Ceiling cldg supply, ceiling return Heating Ez: Ceiling supply < Trm+15°F(8°C), ceiling return Er: Default based on system type </div> <div> 100 % 100 % </div>

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h-ft²·°F	Glass					Adj Temp/ Grnd Refl	Pct	Rad		
						Type/ Energy Type	Area ft²	Shade Coef	U Value Btu/h-ft²·°F	External Shading		Internal Shading	Sen/ Cool Tmp	Pct Rm/ Heat Perm Len	
Roof - 1	187 ft²	0	90	Steel Sheet, 6" Ins	0.0333	0.90	0								
Misc Load 1	2.0 W/sq ft			Cooling Only (Design)		None						100	100	0	60.00

Bv JBACE

Room Description: 3A345 - Classroom	Zone Description: No Zone	System Description: RTU-ADM-2
<div><div><div><div>GENERAL INFORMATION</div></div><div><div>Floor Area: 315 ft²</div><div>Fir-Fir Height: 17.0 ft</div><div>Plenum Height: 8.0 ft</div><div>Height Above Fir: 17.0 ft</div><div>Slab Cnstr Type: 4" LW Concrete</div><div>Room Mass: Time delay based on actual mass</div><div>Ceiling R-Value: 1.786 hr-ft²-°F/Btu</div><div>Is There Carpet?: YES</div><div>Design Cig DB / Drift Point: 75.0 °F / 75.0 °F</div><div>Design Htg DB / Drift Point: 72.0 °F / 72.0 °F</div><div>Design Relative Humidity: 45 %</div><div>Moisture Capacitance: Medium</div><div>Cig Tstat: None</div><div>Htg Tstat: None</div><div>Thermostat Location:Room</div><div>Humidistat Location:Room</div><div>CO2 Sensor Location:None</div><div>Room Type:Conditioned</div></div></div></div>	<div><div><div><div>PEOPLE</div></div><div><div>People Type: Classroom</div><div># of People: 20 sq ft/person</div><div>People Sensible: 250 Btu/h</div><div>People Latent : 200 Btu/h</div><div>People Schedule: Cooling Only (Design)</div><div>Workstation: 0.0 workstation/person</div></div></div><div><div><div><div>LIGHTS</div></div><div><div>Lighting Type: Fluorescent, hung below ceiling, 100% load to space</div><div>Fixture Type: SUSFLUOR</div><div>% Load to RA: 0 %</div><div>Lighting Schedule: Cooling Only (Design)</div><div>Lighting Amount: 1.4 W/sq ft</div><div>Ballast Factor: 1.0</div></div></div></div></div>	<div><div><div><div>AIRFLOW INFORMATION</div></div><div><div>Cooling (Peop-based) Lecture classroom 0.06 cfm/sq ft</div><div>Heating (Area-based) Lecture classroom 0.06 cfm/sq ft</div><div>None</div><div>0.00 air changes/hr</div><div>Vent Type: Lecture classroom</div><div>Vent Value: 7.50 cfm/person</div><div>Vent Schedule: Available (100%)</div><div>Infil Type: None</div><div>Infil Value: 0.00 air changes/hr</div><div>Infil Schedule: Available (100%)</div><div>Vav Min Airflow: 50.00 % Clg Airflow</div><div>Vav Min Sched: Available (100%)</div><div>Supply: 1.00 cfm/sq ft</div><div>Aux Supply: To be calculated</div><div>Room Exhaust: To be calculated</div><div>Rm Exh Sched: Available (100%)</div><div>Std 62.1-2004</div><div>Cooling Ez: Ceiling cldg supply, ceiling return</div><div>Heating Ez: Ceiling supply < Trm+15°F(8°C), ceiling return</div><div>Er: Default based on system type</div></div></div></div>

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Room Description: 3A346 - Exam	Zone Description: No Zone	System Description: RTU-ADM-2																																							
GENERAL INFORMATION Floor Area: 140 ft² Fir-Fir Height: 17.0 ft Plenum Height: 8.0 ft Height Above Fir: 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 Cig DB / Drift Point: 75.0 °F / 75.0 °F Design Htg DB / Drift Point: 72.0 °F / 72.0 °F Design Relative Humidity: 45 % Moisture Capacitance: Medium Cig Tstat: None Htg Tstat: None Thermostat Location: Room Humidistat Location: Room CO2 Sensor Location: None Room Type: Conditioned		PEOPLE People Type: Hospital Room # 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: Fluorescent, hung below ceiling, 100% load to space Fixture Type: SUSFLUOR % Load to RA: 0 % Lighting Schedule: Cooling Only (Design) Lighting Amount: 3.0 W/sq ft Ballast Factor: 1.0																																							
		AIRFLOW INFORMATION <table> <tr> <td>Vent Type:</td><td>Cooling</td><td>Heating</td></tr> <tr> <td>Vent Value:</td><td>None</td><td>None</td></tr> <tr> <td>Vent Schedule:</td><td>2.00 air changes/hr</td><td>2.00 air changes/hr</td></tr> <tr> <td>Infil Type:</td><td>Available (100%)</td><td></td></tr> <tr> <td>Infil Value:</td><td>None</td><td>None</td></tr> <tr> <td>Infil Schedule:</td><td>0.00 air changes/hr</td><td>0.00 air changes/hr</td></tr> <tr> <td>Vav Min Airflow:</td><td>Available (100%)</td><td></td></tr> <tr> <td>Vav Min Sched:</td><td>50.00 % Cig Airflow</td><td></td></tr> <tr> <td>Supply:</td><td>Available (100%)</td><td></td></tr> <tr> <td>Aux Supply:</td><td>6.00 air changes/hr</td><td>6.00 air changes/hr</td></tr> <tr> <td>Room Exhaust:</td><td>To be calculated</td><td>To be calculated</td></tr> <tr> <td>Rm Exh Sched:</td><td>6.00 air changes/hr</td><td></td></tr> <tr> <td></td><td>Available (100%)</td><td></td></tr> </table>	Vent Type:	Cooling	Heating	Vent Value:	None	None	Vent Schedule:	2.00 air changes/hr	2.00 air changes/hr	Infil Type:	Available (100%)		Infil Value:	None	None	Infil Schedule:	0.00 air changes/hr	0.00 air changes/hr	Vav Min Airflow:	Available (100%)		Vav Min Sched:	50.00 % Cig Airflow		Supply:	Available (100%)		Aux Supply:	6.00 air changes/hr	6.00 air changes/hr	Room Exhaust:	To be calculated	To be calculated	Rm Exh Sched:	6.00 air changes/hr			Available (100%)	
Vent Type:	Cooling	Heating																																							
Vent Value:	None	None																																							
Vent Schedule:	2.00 air changes/hr	2.00 air changes/hr																																							
Infil Type:	Available (100%)																																								
Infil Value:	None	None																																							
Infil Schedule:	0.00 air changes/hr	0.00 air changes/hr																																							
Vav Min Airflow:	Available (100%)																																								
Vav Min Sched:	50.00 % Cig Airflow																																								
Supply:	Available (100%)																																								
Aux Supply:	6.00 air changes/hr	6.00 air changes/hr																																							
Room Exhaust:	To be calculated	To be calculated																																							
Rm Exh Sched:	6.00 air changes/hr																																								
	Available (100%)																																								

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h-ft²-°F	Alpha	Glass				Adj Temp/ Grnd Ref	Pct Sen/ Cool Tmp	Pct Rm/ Heat Loss Len	Rad Perm Len		
							Type/ Energy Type	Area ft²	Shade Coef	U Value Btu/h-ft²-°F					External Shading	Internal Shading
Roof - 1	140 ft²	0	90	Steel Sheet, 6* Ins	0.0333	0.90	0					100	100	0	60.00	
Misc Load 1	2.0 W/sq ft			Cooling Only (Design)								100				

By JBACE

Room Description: 3A346A - Toilet	Zone Description: No Zone	System Description: RTU-ADM-2
GENERAL INFORMATION		AIRFLOW INFORMATION
Floor Area: 50 ft² Plenum Height: 8.0 ft 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 Cig DB / Drift Point: 75.0 °F / 75.0 °F Design Htg DB / Drift Point: 72.0 °F / 72.0 °F Design Relative Humidity: 45 % Moisture Capacitance: Medium Cig Tstat: None Htg Tstat: None Thermostat Location: Room Humidistat Location: Room CO2 Sensor Location: None Room Type: Conditioned	People Type: None # of People: 0 People People Sensible: 250 Btu/h People Latent : 250 Btu/h People Schedule: Cooling Only (Design) Workstation: 0.0 workstation/person LIGHTS Lighting Type: Fluorescent, hung below ceiling, 100% load to space Fixture Type: SUSFLUOR % Load to RA: 0 % Lighting Schedule: Cooling Only (Design) Lighting Amount: 1.5 W/sq ft Ballast Factor: 1.0	Cooling (Peop-based): Default Std62 Vent Type: 0.00 cfm/person Vent Value: Available (100%) Vent Schedule: Available (100%) Infil Type: None Infil Value: 0.00 air changes/hr Infil Schedule: Available (100%) Vav Min Airflow: 100.00 % Clg Airflow Vav Min Sched: Available (100%) Supply: 10.00 air changes/hr Aux Supply: To be calculated Room Exhaust: 10.00 air changes/hr Rm Exh Sched: Available (100%) Std 62.1-2004 Cooling Ez: Ceiling clg supply, ceiling return Heating Ez: Ceiling supply < Trm+15°F(8°C), ceiling return Er: Default based on system type

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	Internal Shading	Adj Temp/			Pct																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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Roof - 1	50 ft²	0	90	Steel Sheet, 6" Ins	0.0333	0.90	0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								

Room Description: 3A347 - Exam	Zone Description: No Zone	System Description: RTU-ADM-2
GENERAL INFORMATION		AIRFLOW INFORMATION
Floor Area: 140 ft² Plenum Height: 8.0 ft 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 Cig DB / Drift Point: 75.0 °F / 75.0 °F Design Htg DB / Drift Point: 72.0 °F / 72.0 °F Design Relative Humidity: 45 % Moisture Capacitance: Medium Cig Tstat: None Htg Tstat: None Thermostat Location: Room Humidistat Location: Room CO2 Sensor Location: None Room Type: Conditioned	People Type: Hospital Room # of People: 2 People People Sensible: 250 Btu/h People Latent : 200 Btu/h People Schedule: Cooling Only (Design) Workstation: 1.0 workstation/person <u>LIGHTS</u> Lighting Type: Fluorescent, hung below ceiling, 100% load to space Fixture Type: SUSFLUOR % Load to RA: 0 % Lighting Schedule: Cooling Only (Design) Lighting Amount: 3.0 W/sq ft Ballast Factor: 1.0	<u>Cooling</u> Vent Type: None Vent Value: 2.00 air changes/hr Vent Schedule: Available (100%) Infil Type: None Infil Value: 0.00 air changes/hr Infil Schedule: Available (100%) Vav Min Airflow: 50.00 % Cig Airflow Vav Min Sched: Available (100%) Supply: 6.00 air changes/hr Aux Supply: To be calculated Room Exhaust: 6.00 air changes/hr Rm Exh Sched: Available (100%) <u>Heating</u> None 2.00 air changes/hr None 0.00 air changes/hr 6.00 air changes/hr To be calculated

[illegible]

ENTERED VALUES

ROOM BY ROOM

By JBACE

Room Description: 3A347A - Toilet		Zone Description: No Zone		System Description: RTU-ADM-2	
GENERAL INFORMATION		PEOPLE		AIRFLOW INFORMATION	
Floor Area: 50 ft² Plenum Height: 8.0 ft 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 Cig DB / Drift Point: 75.0 °F / 75.0 °F Design Htg DB / Drift Point: 72.0 °F / 72.0 °F Design Relative Humidity: 45 % Moisture Capacitance: Medium Cig Tstat: None Htg Tstat: None Thermostat Location: Room Humidistat Location: Room CO2 Sensor Location: None Room Type: Conditioned	Flr-Fir Height: 17.0 ft Height Above Flr: Room Mass: Time delay based on actual mass Ceiling R-Value: 1.786 hr-ft²-°F/Btu Is There Carpet?: YES Design Cig DB / Drift Point: 75.0 °F / 75.0 °F Design Htg DB / Drift Point: 72.0 °F / 72.0 °F Design Relative Humidity: 45 % Moisture Capacitance: Medium Cig Tstat: None Htg Tstat: None Thermostat Location: Room Humidistat Location: Room CO2 Sensor Location: None Room Type: Conditioned	People Type: None # of People: 0 People People Sensible: 250 Btu/h People Latent : 250 Btu/h People Schedule: Cooling Only (Design) Workstation: 0.0 workstation/person LIGHTS Lighting Type: Fluorescent, hung below ceiling, 100% load to space Fixture Type: SUSFLUOR % Load to RA: 0 % Lighting Schedule: Cooling Only (Design) Lighting Amount: 1.5 W/sq ft Ballast Factor: 1.0	People Type: None # of People: 0 People People Sensible: 250 Btu/h People Latent : 250 Btu/h People Schedule: Cooling Only (Design) Workstation: 0.0 workstation/person LIGHTS Lighting Type: Fluorescent, hung below ceiling, 100% load to space Fixture Type: SUSFLUOR % Load to RA: 0 % Lighting Schedule: Cooling Only (Design) Lighting Amount: 1.5 W/sq ft Ballast Factor: 1.0	Cooling (Peop-based) Default Std62 0.00 cfm/sq ft None 0.00 air changes/hr Infil Schedule: Available (100%) Infil Type: None Infil Value: 0.00 air changes/hr Vav Min Airflow: 100.00 % Cig Airflow Vav Min Sched: Available (100%) Supply: 10.00 air changes/hr To be calculated Room Exhaust: 10.00 air changes/hr Rm Exh Sched: Available (100%) Std 62.1-2004 Cooling Ez: Ceiling dlg supply, ceiling return Heating Ez: Ceiling supply < Trm+15°F(8°C), ceiling return Er: Default based on system type	Heating (Area-based) Default Std62 0.00 cfm/sq ft None 0.00 air changes/hr Infil Schedule: Available (100%) Infil Type: None Infil Value: 0.00 air changes/hr Vav Min Airflow: 100.00 % Cig Airflow Vav Min Sched: Available (100%) Supply: 10.00 air changes/hr To be calculated Room Exhaust: 10.00 air changes/hr Rm Exh Sched: Available (100%) Std 62.1-2004 Cooling Ez: Ceiling dlg supply, ceiling return Heating Ez: Ceiling supply < Trm+15°F(8°C), ceiling return Er: Default based on system type

Room Description: 3A348 - Exam		Zone Description: No Zone		System Description: RTU-ADM-2	
GENERAL INFORMATION		PEOPLE		AIRFLOW INFORMATION	
Floor Area: 136 ft² Plenum Height: 8.0 ft 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 Cig DB / Drift Point: 75.0 °F / 75.0 °F Design Htg DB / Drift Point: 72.0 °F / 72.0 °F Design Relative Humidity: 45 % Moisture Capacitance: Medium Cig Tstat: None Htg Tstat: None Thermostat Location: Room Humidistat Location: Room CO2 Sensor Location: None Room Type: Conditioned	Flr-Fir Height: 17.0 ft Height Above Flr: Room Mass: Time delay based on actual mass Ceiling R-Value: 1.786 hr-ft²-°F/Btu Is There Carpet?: YES Design Cig DB / Drift Point: 75.0 °F / 75.0 °F Design Htg DB / Drift Point: 72.0 °F / 72.0 °F Design Relative Humidity: 45 % Moisture Capacitance: Medium Cig Tstat: None Htg Tstat: None Thermostat Location: Room Humidistat Location: Room CO2 Sensor Location: None Room Type: Conditioned	People Type: Hospital Room # 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: Fluorescent, hung below ceiling, 100% load to space Fixture Type: SUSFLUOR % Load to RA: 0 % Lighting Schedule: Cooling Only (Design) Lighting Amount: 3.0 W/sq ft Ballast Factor: 1.0	People Type: Hospital Room # 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: Fluorescent, hung below ceiling, 100% load to space Fixture Type: SUSFLUOR % Load to RA: 0 % Lighting Schedule: Cooling Only (Design) Lighting Amount: 3.0 W/sq ft Ballast Factor: 1.0	Cooling None 2.00 air changes/hr None 0.00 air changes/hr 6.00 air changes/hr To be calculated	Heating None 2.00 air changes/hr None 0.00 air changes/hr 6.00 air changes/hr To be calculated

Room Description: 3A348 - Exam		Zone Description: No Zone		System Description: RTU-ADM-2	
GENERAL INFORMATION		PEOPLE		AIRFLOW INFORMATION	
Floor Area: 136 ft² Plenum Height: 8.0 ft 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 Cig DB / Drift Point: 75.0 °F / 75.0 °F Design Htg DB / Drift Point: 72.0 °F / 72.0 °F Design Relative Humidity: 45 % Moisture Capacitance: Medium Cig Tstat: None Htg Tstat: None Thermostat Location: Room Humidistat Location: Room CO2 Sensor Location: None Room Type: Conditioned	Flr-Fir Height: 17.0 ft Height Above Flr: Room Mass: Time delay based on actual mass Ceiling R-Value: 1.786 hr-ft²-°F/Btu Is There Carpet?: YES Design Cig DB / Drift Point: 75.0 °F / 75.0 °F Design Htg DB / Drift Point: 72.0 °F / 72.0 °F Design Relative Humidity: 45 % Moisture Capacitance: Medium Cig Tstat: None Htg Tstat: None Thermostat Location: Room Humidistat Location: Room CO2 Sensor Location: None Room Type: Conditioned	People Type: Hospital Room # 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: Fluorescent, hung below ceiling, 100% load to space Fixture Type: SUSFLUOR % Load to RA: 0 % Lighting Schedule: Cooling Only (Design) Lighting Amount: 3.0 W/sq ft Ballast Factor: 1.0	People Type: Hospital Room # 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: Fluorescent, hung below ceiling, 100% load to space Fixture Type: SUSFLUOR % Load to RA: 0 % Lighting Schedule: Cooling Only (Design) Lighting Amount: 3.0 W/sq ft Ballast Factor: 1.0	Cooling None 2.00 air changes/hr None 0.00 air changes/hr 6.00 air changes/hr To be calculated	Heating None 2.00 air changes/hr None 0.00 air changes/hr 6.00 air changes/hr To be calculated

Room Description: 3A348 - Exam		Zone Description: No Zone		System Description: RTU-ADM-2	
GENERAL INFORMATION		PEOPLE		AIRFLOW INFORMATION	
Floor Area: 136 ft² Plenum Height: 8.0 ft 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 Cig DB / Drift Point: 75.0 °F / 75.0 °F Design Htg DB / Drift Point: 72.0 °F / 72.0 °F Design Relative Humidity: 45 % Moisture Capacitance: Medium Cig Tstat: None Htg Tstat: None Thermostat Location: Room Humidistat Location: Room CO2 Sensor Location: None Room Type: Conditioned	Flr-Fir Height: 17.0 ft Height Above Flr: Room Mass: Time delay based on actual mass Ceiling R-Value: 1.786 hr-ft²-°F/Btu Is There Carpet?: YES Design Cig DB / Drift Point: 75.0 °F / 75.0 °F Design Htg DB / Drift Point: 72.0 °F / 72.0 °F Design Relative Humidity: 45 % Moisture Capacitance: Medium Cig Tstat: None Htg Tstat: None Thermostat Location: Room Humidistat Location: Room CO2 Sensor Location: None Room Type: Conditioned	People Type: Hospital Room # 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: Fluorescent, hung below ceiling, 100% load to space Fixture Type: SUSFLUOR % Load to RA: 0 % Lighting Schedule: Cooling Only (Design) Lighting Amount: 3.0 W/sq ft Ballast Factor: 1.0	People Type: Hospital Room # 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: Fluorescent, hung below ceiling, 100% load to space Fixture Type: SUSFLUOR % Load to RA: 0 % Lighting Schedule: Cooling Only (Design) Lighting Amount: 3.0 W/sq ft Ballast Factor: 1.0	Cooling None 2.00 air changes/hr None 0.00 air changes/hr 6.00 air changes/hr To be calculated	Heating None 2.00 air changes/hr None 0.00 air changes/hr 6.00 air changes/hr To be calculated

ENTERED VALUES
ROOM BY ROOM

By JBACE

Room Description: 3A348A - Toilet				Zone Description: No Zone				System Description: RTU-ADM-2			
GENERAL INFORMATION				PEOPLE				AIRFLOW INFORMATION			
Floor Area: 50 ft²	Flr-Fir Height: 17.0 ft			People Type: None				Cooling (Peop-based)		Heating (Area-based)	
Plenum Height: 8.0 ft	Height Above Flr:			# of People: 0 People				Default Std62		Default Std62	
Slab Cnstr Type: 4" LW Concrete				People Sensible: 250 Btu/h				Vent Value: 0.00 cfm/person		0.00 cfm/sq ft	
Room Mass: Time delay based on actual mass				People Latent : 250 Btu/h				Vent Schedule: Available (100%)			
Ceiling R-Value: 1.786 hr-ft²-°F/Btu				People Schedule: Cooling Only (Design)				Infil Type: None		None	
Is There Carpet?: YES				Workstation: 0.0 workstation/person				Infil Value: 0.00 air changes/hr		0.00 air changes/hr	
Design Cig DB / Drift Point: 75.0 °F / 75.0 °F								Infil Schedule: Available (100%)			
Design Htg DB / Drift Point: 72.0 °F / 72.0 °F				LIGHTS				Vav Min Airflow: 100.00 % Cig Airflow			
Design Relative Humidity: 45 %				Lighting Type: Fluorescent, hung below ceiling, 100% load to space				Vav Min Sched: Available (100%)			
Moisture Capacitance: Medium				Fixture Type: SUSFLUOR				Supply: 10.00 air changes/hr		10.00 air changes/hr	
Cig Tstat: None				% Load to RA: 0 %				Aux Supply: To be calculated		To be calculated	
Htg Tstat: None				Lighting Schedule: Cooling Only (Design)				Room Exhaust: 10.00 air changes/hr			
Thermostat Location: Room	Floor Multiplier: 1			Lighting Amount: 1.5 W/sq ft				Rm Exh Sched: Available (100%)		Std 62.1-2004	
Humidistat Location: Room	Room Multiplier: 1			Ballast Factor: 1.0							
CO2 Sensor Location: None								Cooling Ez: Ceiling dlg supply, ceiling return		100 %	
Room Type: Conditioned								Heating Ez: Ceiling supply < Trm+15°F(8°C), ceiling return		100 %	
								Er: Default based on system type			

Description				Glass				Adj			
				U Value	Shade	Area	Coef	Temp/	Pct	Pct	Rad
				Btu/h-ft²-°F	Alpha	ft²		Gnd	Sen/	Rm/	Frc/
				0.0333	0.90	0		Refl	Cool	Heat	Perm
									Tmp	Tmp	Len
											Coef

Room Description: 3A349 - Exam				Zone Description: No Zone				System Description: RTU-ADM-2			
GENERAL INFORMATION				PEOPLE				AIRFLOW INFORMATION			
Floor Area: 151 ft²	Flr-Fir Height: 17.0 ft			People Type: Hospital Room				Cooling		Heating	
Plenum Height: 8.0 ft	Height Above Flr:			# of People: 2 People				None		None	
Slab Cnstr Type: 4" LW Concrete				People Sensible: 250 Btu/h				Vent Value: 2.00 air changes/hr		2.00 air changes/hr	
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: None		None	
Is There Carpet?: YES				Workstation: 1.0 workstation/person				Infil Value: 0.00 air changes/hr		0.00 air changes/hr	
Design Cig DB / Drift Point: 75.0 °F / 75.0 °F								Infil Schedule: Available (100%)			
Design Htg DB / Drift Point: 72.0 °F / 72.0 °F				LIGHTS				Vav Min Airflow: 50.00 % Cig Airflow			
Design Relative Humidity: 45 %				Lighting Type: Fluorescent, hung below ceiling, 100% load to space				Vav Min Sched: Available (100%)			
Moisture Capacitance: Medium				Fixture Type: SUSFLUOR				Supply: 6.00 air changes/hr		6.00 air changes/hr	
Cig Tstat: None				% Load to RA: 0 %				Aux Supply: To be calculated		To be calculated	
Htg Tstat: None				Lighting Schedule: Cooling Only (Design)				Room Exhaust: 6.00 air changes/hr			
Thermostat Location: Room	Floor Multiplier: 1			Lighting Amount: 3.0 W/sq ft				Rm Exh Sched: Available (100%)			
Humidistat Location: Room	Room Multiplier: 1			Ballast Factor: 1.0							
CO2 Sensor Location: None											
Room Type: Conditioned											

Description				Glass				Adj			
				U Value	Shade	Area	Coef	Temp/	Pct	Pct	Rad
				Btu/h-ft²-°F	Alpha	ft²		Gnd	Sen/	Rm/	Frc/
				0.0333	0.90	0		Refl	Cool	Heat	Perm
									Tmp	Tmp	Len
											Coef

Roof - 1											
Misc Load 1	151 ft²	2.0 W/sq ft	0	90 Steel Sheet, 6" Ins	None	0		Overhang - None	100	100	0
				Cooling Only (Design)							60.00

Bv JBACE

Room Description:	Zone Description:	No Zone
<div>GENERAL INFORMATION<div>Floor Area: 50 ft² Plenum Height: 8.0 ft Slab Cnstr Type: 4" LW Concrete Room Mass: Time delay based on actual mass <div>Ceiling R-Value: 1.786 hr-ft²·°F/Btu</div><div>Is There Carpet?: YES</div><div>Design Cig DB / Drift Point: 75.0 ° F / 75.0 ° F Design Htg DB / Drift Point: 72.0 ° F / 72.0 ° F Design Relative Humidity: 45 % Moisture Capacitance: Medium Cig Tstat: None Htg Tstat: None</div><div>Thermostat Location: Room Humidistat Location: Room CO2 Sensor Location: None Room Type: Conditioned</div></div></div>	<div>PEOPLE<div>People Type: None # of People: 0 People People Sensible: 250 Btu/h People Latent : 250 Btu/h People Schedule: Cooling Only (Design) Workstation: 0.0 workstation/person</div><div>LIGHTS<div>Lighting Type: Fluorescent, hung below ceiling, 100% load to space Fixture Type: SUSFLUOR % Load to RA: 0 % Lighting Schedule: Cooling Only (Design) Lighting Amount: 1.5 W/sq ft Ballast Factor: 1.0</div></div></div>	<div>AIRFLOW INFORMATION<div>Cooling (Peop-based) Default Std62 Heating (Area-based) Default Std62 0.00 cfm/sq ft Vent Type: 0.00 cfm/person Vent Value: Available (100%) Vent Schedule: Available (100%) Infil Type: None Infil Value: 0.00 air changes/hr Infil Schedule: Available (100%) Vav Min Airflow: 100.00 % Cfg Airflow Vav Min Sched: Available (100%) Supply: 10.00 air changes/hr Aux Supply: To be calculated Room Exhaust: 10.00 air changes/hr Rm Exh Sched: Available (100%) <div>Std 62.1-2004</div> Cooling Ez: Ceiling dlg supply, ceiling return Heating Ez: Ceiling supply < Trm+15°F(8°C), ceiling return Er: Default based on system type</div></div>

[illegible]

Room Description: 3A350 - Bariatric / Tele Med RM	Zone Description: No Zone	System Description: RTU-ADM-2																										
<div>GENERAL INFORMATION</div> <div>Floor Area: 152 ft² Plenum Height: 7.5 ft 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 Cig DB / Drift Point: 75.0 °F / 75.0 °F Design Htg DB / Drift Point: 72.0 °F / 72.0 °F Design Relative Humidity: 45 % Moisture Capacitance: Medium Cig Tstat: None Htg Tstat: None Thermostat Location: Room Humidistat Location: Room CO2 Sensor Location: None Room Type: Conditioned</div>	<div>PEOPLE</div> <div>People Type: Hospital Room # of People: 2 People People Sensible: 250 Btu/h People Latent : 200 Btu/h People Schedule: Cooling Only (Design) Workstation: 1.0 workstation/person</div> <div>LIGHTS</div> <div>Lighting Type: Fluorescent, hung below ceiling, 100% load to space Fixture Type: SUSFLUOR % Load to RA: 0 % Lighting Schedule: Cooling Only (Design) Lighting Amount: 3.0 W/sq ft Ballast Factor: 1.0</div>	<div>AIRFLOW INFORMATION</div> <table><tr><td><u>Cooling</u></td><td><u>Heating</u></td></tr><tr><td>Vent Type: None</td><td>None</td></tr><tr><td>Vent Value: 2.00 air changes/hr</td><td>2.00 air changes/hr</td></tr><tr><td>Vent Schedule: Available (100%)</td><td></td></tr><tr><td>Infil Type: None</td><td>None</td></tr><tr><td>Infil Value: 0.00 air changes/hr</td><td>0.00 air changes/hr</td></tr><tr><td>Infil Schedule: Available (100%)</td><td></td></tr><tr><td>Vav Min Airflow: 50.00 % Cig Airflow</td><td></td></tr><tr><td>Vav Min Sched: Available (100%)</td><td></td></tr><tr><td>Supply: 6.00 air changes/hr</td><td>6.00 air changes/hr</td></tr><tr><td>Aux Supply: To be calculated</td><td>To be calculated</td></tr><tr><td>Room Exhaust: 6.00 air changes/hr</td><td></td></tr><tr><td>Rm Exh Sched: Available (100%)</td><td></td></tr></table>	<u>Cooling</u>	<u>Heating</u>	Vent Type: None	None	Vent Value: 2.00 air changes/hr	2.00 air changes/hr	Vent Schedule: Available (100%)		Infil Type: None	None	Infil Value: 0.00 air changes/hr	0.00 air changes/hr	Infil Schedule: Available (100%)		Vav Min Airflow: 50.00 % Cig Airflow		Vav Min Sched: Available (100%)		Supply: 6.00 air changes/hr	6.00 air changes/hr	Aux Supply: To be calculated	To be calculated	Room Exhaust: 6.00 air changes/hr		Rm Exh Sched: Available (100%)	
<u>Cooling</u>	<u>Heating</u>																											
Vent Type: None	None																											
Vent Value: 2.00 air changes/hr	2.00 air changes/hr																											
Vent Schedule: Available (100%)																												
Infil Type: None	None																											
Infil Value: 0.00 air changes/hr	0.00 air changes/hr																											
Infil Schedule: Available (100%)																												
Vav Min Airflow: 50.00 % Cig Airflow																												
Vav Min Sched: Available (100%)																												
Supply: 6.00 air changes/hr	6.00 air changes/hr																											
Aux Supply: To be calculated	To be calculated																											
Room Exhaust: 6.00 air changes/hr																												
Rm Exh Sched: Available (100%)																												

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h-ft²-°F	Glass										Adj Temp/ Grnd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Rad Fcl/ Perm Len	Coef Loss Len
						Alpha	Energy Type	Area ft²	Shade Coef	U Value Btu/h-ft²-°F	External Shading	Internal Shading	Type/ Energy Type							
Roof - 1	152 ft²	0	90	Steel Sheet, 6* Ins	0.0333	0.90														
Misc Load 1	2.0 W/sq ft			Cooling Only (Design)		None	0													

ENTERED VALUES

ROOM BY ROOM

By JBACE

Room Description: 3A350A - Toilet				Zone Description: No Zone				System Description: RTU-ADM-2									
GENERAL INFORMATION				PEOPLE				AIRFLOW INFORMATION									
Floor Area: 72 ft²	Flr-Fir Height: 17.0 ft			People Type: None				Cooling (Peop-based)									
Plenum Height: 7.5 ft	Height Above Flr:			# of People: 0 People				Default Std62									
Slab Cnstr Type: 4" LW Concrete				People Sensible: 250 Btu/h				Vent Value: 0.00 cfm/person									
Room Mass: Time delay based on actual mass				People Latent : 250 Btu/h				Vent Schedule: Available (100%)									
Ceiling R-Value: 1.786 hr-ft²-°F/Btu				People Schedule: Cooling Only (Design)				Infil Type: None									
Is There Carpet?: YES				Workstation: 0.0 workstation/person				Infil Value: 0.00 air changes/hr									
Design Cig DB / Drift Point: 75.0 °F / 75.0 °F								Infil Schedule: Available (100%)									
Design Htg DB / Drift Point: 72.0 °F / 72.0 °F				Lighting Type: Fluorescent, hung below ceiling, 100% load to space				Vav Min Airflow: 100.00 % Cig Airflow									
Design Relative Humidity: 45 %				Fixture Type: SUSFLUOR				Vav Min Sched: Available (100%)									
Moisture Capacitance: Medium				% Load to RA: 0 %				Supply: To be calculated									
Cig Tstat: None				Lighting Schedule: Cooling Only (Design)				Room Exhaust: 10.00 air changes/hr									
Htg Tstat: None				Lighting Amount: 1.5 W/sq ft				Rm Exh Sched: Available (100%)									
Thermostat Location: Room	Floor Multiplier: 1			Ballast Factor: 1.0													
Humidistat Location: Room	Room Multiplier: 1																
CO2 Sensor Location: None																	
Room Type: Conditioned																	
								Std 62.1-2004									
								Cooling Ez: Ceiling cld supply, ceiling return									
								Heating Ez: Ceiling supply < Trm+15°F(8°C), ceiling return									
								Er: Default based on system type									
								Adj Temp/ Gnd Refl								Pct Rm/ Heat Temp	
								100 %								100 %	

Room Description: 3A351 - Soil				Zone Description: No Zone				System Description: RTU-ADM-2									
GENERAL INFORMATION				PEOPLE				AIRFLOW INFORMATION									
Floor Area: 41 ft²	Flr-Fir Height: 17.0 ft			People Type: General Office Space				Cooling (Peop-based)									
Plenum Height: 8.0 ft	Height Above Flr:			# of People: 143 sq ft/person				Default Std62									
Slab Cnstr Type: 4" LW Concrete				People Sensible: 250 Btu/h				Vent Value: 0.00 cfm/person									
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: None									
Is There Carpet?: YES				Workstation: 1.0 workstation/person				Infil Value: 0.00 air changes/hr									
Design Cig DB / Drift Point: 75.0 °F / 75.0 °F								Infil Schedule: Available (100%)									
Design Htg DB / Drift Point: 72.0 °F / 72.0 °F				Lighting Type: Fluorescent, hung below ceiling, 100% load to space				Vav Min Airflow: 50.00 % Cig Airflow									
Design Relative Humidity: 45 %				Fixture Type: SUSFLUOR				Vav Min Sched: Available (100%)									
Moisture Capacitance: Medium				% Load to RA: 0 %				Supply: To be calculated									
Cig Tstat: None				Lighting Schedule: Cooling Only (Design)				Room Exhaust: 6.00 air changes/hr									
Htg Tstat: None				Lighting Amount: 2.0 W/sq ft				Rm Exh Sched: Available (100%)									
Thermostat Location: Room	Floor Multiplier: 1			Ballast Factor: 1.0													
Humidistat Location: Room	Room Multiplier: 1																
CO2 Sensor Location: None																	
Room Type: Conditioned																	
								Std 62.1-2004									
								Cooling Ez: Ceiling cld supply, ceiling return									
								Heating Ez: Ceiling supply < Trm+15°F(8°C), ceiling return									
								Er: Default based on system type									
								Adj Temp/ Gnd Refl								Pct Rm/ Heat Temp	
								100 %								100 %	

Room Description: 3A350A - Toilet				Zone Description: No Zone				System Description: RTU-ADM-2									
GENERAL INFORMATION				PEOPLE				AIRFLOW INFORMATION									
Floor Area: 41 ft²	Flr-Fir Height: 17.0 ft			People Type: General Office Space				Cooling (Peop-based)									
Plenum Height: 8.0 ft	Height Above Flr:			# of People: 143 sq ft/person				Default Std62									
Slab Cnstr Type: 4" LW Concrete				People Sensible: 250 Btu/h				Vent Value: 0.00 cfm/person									
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: None									
Is There Carpet?: YES				Workstation: 1.0 workstation/person				Infil Value: 0.00 air changes/hr									
Design Cig DB / Drift Point: 75.0 °F / 75.0 °F								Infil Schedule: Available (100%)									
Design Htg DB / Drift Point: 72.0 °F / 72.0 °F				Lighting Type: Fluorescent, hung below ceiling, 100% load to space				Vav Min Airflow: 50.00 % Cig Airflow									
Design Relative Humidity: 45 %				Fixture Type: SUSFLUOR				Vav Min Sched: Available (100%)									
Moisture Capacitance: Medium				% Load to RA: 0 %				Supply: To be calculated									
Cig Tstat: None				Lighting Schedule: Cooling Only (Design)				Room Exhaust: 6.00 air changes/hr									
Htg Tstat: None				Lighting Amount: 2.0 W/sq ft				Rm Exh Sched: Available (100%)									
Thermostat Location: Room	Floor Multiplier: 1			Ballast Factor: 1.0													
Humidistat Location: Room	Room Multiplier: 1																
CO2 Sensor Location: None																	
Room Type: Conditioned																	
								Std 62.1-2004									
								Cooling Ez: Ceiling cld supply, ceiling return									
								Heating Ez: Ceiling supply < Trm+15°F(8°C), ceiling return									
								Er: Default based on system type									
								Adj Temp/ Gnd Refl								Pct Rm/ Heat Temp	
								100 %								100 %	

ENTERED VALUES

ROOM BY ROOM

By JBACE

Room Description: 3A352 - Clean Linen										Zone Description: No Zone										System Description: RTU-ADM-2																																																																															
GENERAL INFORMATION										PEOPLE										AIRFLOW INFORMATION																																																																															
Floor Area: 117 ft² Plenum Height: 8.0 ft 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 / 75.0 °F Design Htg DB / Drift Point: 72.0 °F / 72.0 °F Design Relative Humidity: 45 % Moisture Capacitance: Medium Cig Tstat: None Htg Tstat: None Thermostat Location: Room Humidistat Location: Room CO2 Sensor Location: None Room Type: Conditioned										People Type: General Office Space # of People: 143 sq ft/person People Sensible: 250 Btu/h People Latent : 200 Btu/h People Schedule: Cooling Only (Design) Workstation: 1.0 workstation/person LIGHTS Lighting Type: Fluorescent, hung below ceiling, 100% load to space Fixture Type: SUSFLUOR % Load to RA: 0 % Lighting Schedule: Cooling Only (Design) Lighting Amount: 2.0 W/sq ft Ballast Factor: 1.0										Cooling Vent Type: None Vent Value: 2.00 air changes/hr Vent Schedule: Available (100%) Infil Type: None Infil Value: 0.00 air changes/hr Infil Schedule: Available (100%) Vav Min Airflow: 50.00 % Cig Airflow Vav Min Sched: Available (100%) Supply: 4.00 air changes/hr Aux Supply: To be calculated Room Exhaust: 4.00 air changes/hr Rm Exh Sched: Available (100%) 4.00 air changes/hr To be calculated																																																																															
Area/ Amount										Type / Energy Type										Adj Temp/ Gnd Ref										Pct Rm/ Cool Temp										Pct Rm/ Heat Temp										Rad Frc/ Perm Loss																																																	
117 ft² 1.0 W/sq ft										Alpha 0.90										U Value Btu/h-ft²-°F 0.0333										Area ft² 0										Shade Coef None										Overhang - None										None										100 100 0										60.00																			
Roof - 1 Misc Load 1										None																																																																																									
Room Description: 3A353 - Supply										Zone Description: No Zone										System Description: RTU-ADM-2																																																																															
GENERAL INFORMATION										PEOPLE										AIRFLOW INFORMATION																																																																															
Floor Area: 34 ft² Plenum Height: 8.0 ft 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 / 75.0 °F Design Htg DB / Drift Point: 72.0 °F / 72.0 °F Design Relative Humidity: 45 % Moisture Capacitance: Medium Cig Tstat: None Htg Tstat: None Thermostat Location: Room Humidistat Location: Room CO2 Sensor Location: None Room Type: Conditioned										People Type: None # of People: 0 sq ft/person People Sensible: 250 Btu/h People Latent : 250 Btu/h People Schedule: Cooling Only (Design) Workstation: 0.0 workstation/person LIGHTS Lighting Type: Fluorescent, hung below ceiling, 100% load to space Fixture Type: SUSFLUOR % Load to RA: 0 % Lighting Schedule: Cooling Only (Design) Lighting Amount: 1.0 W/sq ft Ballast Factor: 1.0										Cooling (Peop-based) Vent Type: Storage rooms Vent Value: 0.00 cfm/person Vent Schedule: Available (100%) Infil Type: None Infil Value: 0.00 air changes/hr Infil Schedule: Available (100%) Vav Min Airflow: 50.00 % Cig Airflow Vav Min Sched: Available (100%) Supply: 0.50 cfm/sq ft Aux Supply: To be calculated Room Exhaust: To be calculated Rm Exh Sched: Available (100%) Std 62.1-2004 Cooling Ez: Ceiling clg supply, ceiling return Heating Ez: Ceiling supply < Trm+15°F(8°C), ceiling return Er: Default based on system type																																																																															
Area/ Amount										Type / Energy Type										Adj Temp/ Gnd Ref										Pct Rm/ Cool Temp										Pct Rm/ Heat Temp										Rad Frc/ Perm Loss																																																	
34 ft² 0										Alpha 0.90										U Value Btu/h-ft²-°F 0.0333										Area ft² 0										Shade Coef None										Overhang - None										None										100 100 0																													
Roof - 1																																																																																																			

Bv JBACE

[illegible]

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h-ft²·°F	Glass						Alpha
						Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h-ft²·°F	External Shading	Internal Shading	
Roof - 1	26 ft²	0	90	Steel Sheet, 6" Ins	0.0333	0.90	None	Overhang - None	Pct Adj Temp/ Gmd Refl	Pct Sen/ Cool Tmp	Pct Rm/ Heat Tmp	Pct Rad Ret/ Perm Len

Room Description: 3A355 - Mental Health Office	Zone Description: No Zone	System Description: RTU-ADM-2
GENERAL INFORMATION Floor Area: 134 ft² Plenum Height: 8.0 ft 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 Cig DB / Drift Point: 75.0 °F / 75.0 °F Design Htg DB / Drift Point: 72.0 °F / 72.0 °F Design Relative Humidity: 45 % Moisture Capacitance: Medium Cig Tstat: None Htg Tstat: None Thermostat Location: Room Humidistat Location: Room CO2 Sensor Location: None Room Type: Conditioned	PEOPLE People Type: General Office Space # of People: 3 People People Sensible: 250 Btu/h People Latent: 200 Btu/h People Schedule: Cooling Only (Design) Workstation: 0.0 workstation/person LIGHTS Lighting Type: Fluorescent, hung below ceiling, 100% load to space Fixture Type: SUSFLUOR % Load to RA: 0 % Lighting Schedule: Cooling Only (Design) Lighting Amount: 3.0 W/sq ft Ballast Factor: 1.0	AIRFLOW INFORMATION Cooling (Peop-based): Office space Vent Type: 5.00 cfm/person Vent Value: Available (100%) Infil Type: None Infil Value: 0.00 air changes/hr Infil Schedule: Available (100%) Vav Min Airflow: 50.00 % Cig Airflow Vav Min Sched: Available (100%) Supply: 1.00 cfm/sq ft Aux Supply: To be calculated Room Exhaust: To be calculated Rm Exh Sched: Available (100%) Std 62.1-2004 Cooling Ez: Ceiling cldg supply, ceiling return Heating Ez: Ceiling supply < Trm+15°F(8°C), ceiling return Er: Default based on system type

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h-ft²-°F	Glass					Adj		Pct		Rad	
						Type/ Energy Type	Area ft²	Shade Coef	U Value Btu/h-ft²-°F	External Shading	Internal Shading	Temp/ Grnd Ref	Sen/ Cool Tmp	Heat Tmp	Perm Len	Frc/ Loss
Roof - 1	134 ft²	0	90	Steel Sheet, 6* Ins	0.0333	Alpha	0.90	0	Overhang - None	None						
Misc Load 1	2.0 W/sq ft			Cooling Only (Design)		None						100	100	0	60.00	

ENTERED VALUES

ROOM BY ROOM

By JBACE

System Description: RTU-ADM-2

Zone Description: No Zone

Room Description: 3A356 - Mental Health Office

GENERAL INFORMATION				PEOPLE				AIRFLOW INFORMATION			
Floor Area: 134 ft ²	Flr-Fir Height: 17.0 ft	Plenum Height: 8.0 ft	Height Above Flr:	People Type: General Office Space	People Type: General Office Space	People Sensible: 250 Btu/h	People Latent: 200 Btu/h	Cooling (Peop-based)	Office space	Heating (Area-based)	Office space
Slab Cnstr Type: 4" LW Concrete		Room Mass: Time delay based on actual mass		Workstation: 0.0 workstation/person		Lighting Type: Fluorescent, hung below ceiling, 100% load to space		Room Exhaust:	To be calculated		
Ceiling R-Value: 1.786 hr-ft ² -°F/Btu		Is There Carpet?: YES		Lighting Schedule: Cooling Only (Design)		Ballast Factor: 1.0		Room Exhaust:	To be calculated		
Design Cig DB / Drift Point: 75.0 °F / 75.0 °F		Design Htg DB / Drift Point: 72.0 °F / 72.0 °F		Lighting Amount: 3.0 W/sq ft				Room Exhaust:	To be calculated		
Design Relative Humidity: 45 %		Moisture Capacitance: Medium						Room Exhaust:	To be calculated		
Cig Tstat: None		Htg Tstat: None						Room Exhaust:	To be calculated		
Thermostat Location: Room		Floor Multiplier: 1						Room Exhaust:	To be calculated		
Humidistat Location: Room		Room Multiplier: 1						Room Exhaust:	To be calculated		
CO2 Sensor Location: None								Room Exhaust:	To be calculated		
Room Type: Conditioned								Room Exhaust:	To be calculated		

GENERAL INFORMATION				PEOPLE				AIRFLOW INFORMATION			
Floor Area: 134 ft ²	Flr-Fir Height: 17.0 ft	Plenum Height: 8.0 ft	Height Above Flr:	People Type: General Office Space	People Type: General Office Space	People Sensible: 250 Btu/h	People Latent: 200 Btu/h	Cooling (Peop-based)	Office space	Heating (Area-based)	Office space
Slab Cnstr Type: 4" LW Concrete		Room Mass: Time delay based on actual mass		Workstation: 0.0 workstation/person		Lighting Type: Fluorescent, hung below ceiling, 100% load to space		Room Exhaust:	To be calculated		
Ceiling R-Value: 1.786 hr-ft ² -°F/Btu		Is There Carpet?: YES		Lighting Schedule: Cooling Only (Design)		Ballast Factor: 1.0		Room Exhaust:	To be calculated		
Design Cig DB / Drift Point: 75.0 °F / 75.0 °F		Design Htg DB / Drift Point: 72.0 °F / 72.0 °F		Lighting Amount: 3.0 W/sq ft				Room Exhaust:	To be calculated		
Design Relative Humidity: 45 %		Moisture Capacitance: Medium						Room Exhaust:	To be calculated		
Cig Tstat: None		Htg Tstat: None						Room Exhaust:	To be calculated		
Thermostat Location: Room		Floor Multiplier: 1						Room Exhaust:	To be calculated		
Humidistat Location: Room		Room Multiplier: 1						Room Exhaust:	To be calculated		
CO2 Sensor Location: None								Room Exhaust:	To be calculated		
Room Type: Conditioned								Room Exhaust:	To be calculated		

System Description: RTU-ADM-2

Zone Description: No Zone

Room Description: 3A357 - Social Worker

GENERAL INFORMATION				PEOPLE				AIRFLOW INFORMATION			
Floor Area: 134 ft ²	Flr-Fir Height: 17.0 ft	Plenum Height: 8.0 ft	Height Above Flr:	People Type: General Office Space	People Type: General Office Space	People Sensible: 250 Btu/h	People Latent: 200 Btu/h	Cooling (Peop-based)	Office space	Heating (Area-based)	Office space
Slab Cnstr Type: 4" LW Concrete		Room Mass: Time delay based on actual mass		Workstation: 0.0 workstation/person		Lighting Type: Fluorescent, hung below ceiling, 100% load to space		Room Exhaust:	To be calculated		
Ceiling R-Value: 1.786 hr-ft ² -°F/Btu		Is There Carpet?: YES		Lighting Schedule: Cooling Only (Design)		Ballast Factor: 1.0		Room Exhaust:	To be calculated		
Design Cig DB / Drift Point: 75.0 °F / 75.0 °F		Design Htg DB / Drift Point: 72.0 °F / 72.0 °F		Lighting Amount: 3.0 W/sq ft				Room Exhaust:	To be calculated		
Design Relative Humidity: 45 %		Moisture Capacitance: Medium						Room Exhaust:	To be calculated		
Cig Tstat: None		Htg Tstat: None						Room Exhaust:	To be calculated		
Thermostat Location: Room		Floor Multiplier: 1						Room Exhaust:	To be calculated		
Humidistat Location: Room		Room Multiplier: 1						Room Exhaust:	To be calculated		
CO2 Sensor Location: None								Room Exhaust:	To be calculated		
Room Type: Conditioned								Room Exhaust:	To be calculated		

GENERAL INFORMATION				PEOPLE				AIRFLOW INFORMATION			
Floor Area: 134 ft ²	Flr-Fir Height: 17.0 ft	Plenum Height: 8.0 ft	Height Above Flr:	People Type: General Office Space	People Type: General Office Space	People Sensible: 250 Btu/h	People Latent: 200 Btu/h	Cooling (Peop-based)	Office space	Heating (Area-based)	Office space
Slab Cnstr Type: 4" LW Concrete		Room Mass: Time delay based on actual mass		Workstation: 0.0 workstation/person		Lighting Type: Fluorescent, hung below ceiling, 100% load to space		Room Exhaust:	To be calculated		
Ceiling R-Value: 1.786 hr-ft ² -°F/Btu		Is There Carpet?: YES		Lighting Schedule: Cooling Only (Design)		Ballast Factor: 1.0		Room Exhaust:	To be calculated		
Design Cig DB / Drift Point: 75.0 °F / 75.0 °F		Design Htg DB / Drift Point: 72.0 °F / 72.0 °F		Lighting Amount: 3.0 W/sq ft				Room Exhaust:	To be calculated		
Design Relative Humidity: 45 %		Moisture Capacitance: Medium						Room Exhaust:	To be calculated		
Cig Tstat: None		Htg Tstat: None						Room Exhaust:	To be calculated		
Thermostat Location: Room		Floor Multiplier: 1						Room Exhaust:	To be calculated		
Humidistat Location: Room		Room Multiplier: 1						Room Exhaust:	To be calculated		
CO2 Sensor Location: None								Room Exhaust:	To be calculated		
Room Type: Conditioned								Room Exhaust:	To be calculated		

ENTERED VALUES

ROOM BY ROOM

By JBACE

Room Description: 3A358 - Exam Negative Pressure										Zone Description: No Zone										System Description: RTU-ADM-2																	
GENERAL INFORMATION										PEOPLE										AIRFLOW INFORMATION																	
Floor Area: 141 ft² Plenum Height: 8.0 ft 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 / 75.0 °F Design Htg DB / Drift Point: 72.0 °F / 72.0 °F Design Relative Humidity: 45 % Moisture Capacitance: Medium Clg Tstat: None Htg Tstat: None Thermostat Location:Room Humidistat Location:Room CO2 Sensor Location:None Room Type:Conditioned										People Type: Hospital Room # of People: 2 People People Sensible: 250 Btu/h People Latent : 200 Btu/h People Schedule: Cooling Only (Design) Workstation: 1.0 workstation/person <u>LIGHTS</u> Lighting Type: Fluorescent, hung below ceiling, 100% load to space Fixture Type: SUSFLUOR % Load to RA: 0 % Lighting Schedule: Cooling Only (Design) Lighting Amount: 3.0 W/sq ft Ballast Factor: 1.0										Cooling Vent Type: None Vent Value: 2.00 air changes/hr Vent Schedule: Available (100%) Infil Type: None Infil Value: 0.00 air changes/hr Infil Schedule: Available (100%) Vav Min Airflow: 50.00 % Cig Airflow Vav Min Sched: Available (100%) Supply: 6.00 air changes/hr Aux Supply: To be calculated Room Exhaust: 6.00 air changes/hr Rm Exh Sched: Available (100%) Heating None 2.00 air changes/hr None 0.00 air changes/hr 6.00 air changes/hr To be calculated																	
Description										Area/ Amount		Dir		Tilt		Const Type / Schedule		Type / Energy Type		Area ft²		Shade Coef		U Value Btu/h-ft²-°F		External Shading		Internal Shading		Adj Temp/ Gmd Ref		Pct Sen/ Cool Tmp		Pct Rm/ Heat Tmp		Rad Perm Loss Coef	
Roof - 1										141 ft²		0		90 Steel Sheet, 6" Ins		None		0.90		0		None		Overhang - None		None				100		100		0		60.00	
Misc Load 1										2.0 W/sq ft				Cooling Only (Design)																							
Room Description: 3A358A - Toilet										Zone Description: No Zone										System Description: RTU-ADM-2																	
GENERAL INFORMATION										PEOPLE										AIRFLOW INFORMATION																	
Floor Area: 51 ft² Plenum Height: 8.0 ft 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 / 75.0 °F Design Htg DB / Drift Point: 72.0 °F / 72.0 °F Design Relative Humidity: 45 % Moisture Capacitance: Medium Clg Tstat: None Htg Tstat: None Thermostat Location:Room Humidistat Location:Room CO2 Sensor Location:None Room Type:Conditioned										People Type: None # of People: 0 People People Sensible: 250 Btu/h People Latent : 250 Btu/h People Schedule: Cooling Only (Design) Workstation: 0.0 workstation/person <u>LIGHTS</u> Lighting Type: Fluorescent, hung below ceiling, 100% load to space Fixture Type: SUSFLUOR % Load to RA: 0 % Lighting Schedule: Cooling Only (Design) Lighting Amount: 1.5 W/sq ft Ballast Factor: 1.0										Cooling (Peop-based) Vent Type: Default Std62 Vent Value: 0.00 cfm/person Vent Schedule: Available (100%) Infil Type: None Infil Value: 0.00 air changes/hr Infil Schedule: Available (100%) Vav Min Airflow: 100.00 % Cig Airflow Vav Min Sched: Available (100%) Supply: 10.00 air changes/hr Aux Supply: To be calculated Room Exhaust: 10.00 air changes/hr Rm Exh Sched: Available (100%) <u>Std 62.1-2004</u> Cooling Ez: Ceiling cldg supply, ceiling return Heating Ez: Ceiling supply < Trm+15°F(8°C), ceiling return Er: Default based on system type																	
Description										Area/ Amount		Dir		Tilt		Const Type / Schedule		Type / Energy Type		Area ft²		Shade Coef		U Value Btu/h-ft²-°F		External Shading		Internal Shading		Adj Temp/ Gmd Ref		Pct Sen/ Cool Tmp		Pct Rm/ Heat Tmp		Rad Perm Loss Coef	
Roof - 1										51 ft²		0		90 Steel Sheet, 6" Ins		0.90		0.0333		0		Overhang - None		None						100 %		100 %		100 %			

ENTERED VALUES

ROOM BY ROOM

By JBACE

Room Description: 3A359 - Exam															Zone Description: No Zone										System Description: RTU-ADM-2																																																																
GENERAL INFORMATION															PEOPLE					AIRFLOW INFORMATION																																																																					
Floor Area: 128 ft² Plenum Height: 8.0 ft 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 / 75.0 °F Design Htg DB / Drift Point: 72.0 °F / 72.0 °F Design Relative Humidity: 45 % Moisture Capacitance: Medium Clg Tstat: None Htg Tstat: None Thermostat Location:Room Humidistat Location:Room CO2 Sensor Location:None Room Type:Conditioned					Flr-Flr Height: 17.0 ft Height Above Flr: Room Multiplier: 1 Room Multiplier: 1					People Type: Hospital Room # of People: 2 People People Sensible: 250 Btu/h People Latent : 200 Btu/h People Schedule: Cooling Only (Design) Workstation: 1.0 workstation/person <u>LIGHTS</u> Lighting Type: Fluorescent, hung below ceiling, 100% load to space Fixture Type: SUSFLUOR % Load to RA: 0 % Lighting Schedule: Cooling Only (Design) Lighting Amount: 3.0 W/sq ft Ballast Factor: 1.0					Area ft²					Shade Coef					U Value Btu/h-ft²-°F					Type/ Energy Type					Alpha					Area ft²					Shade Coef					U Value Btu/h-ft²-°F					Internal Shading					External Shading					Overhang - None					Adj Temp/ Gmd Ref					Pct Rm/ Cool Tmp					Pct Heat Tmp					Pct Rad Perm Loss Len Coef				
Roof - 1 Misc Load 1															128 ft² 2.0 W/sq ft					0 90 Steel Sheet, 6* Ins Cooling Only (Design)					0.0333 0.90 None					0					None					100 100 0 60.00																																																	
Room Description: 3A359A - Toilet															Zone Description: No Zone										System Description: RTU-ADM-2																																																																
GENERAL INFORMATION															PEOPLE					AIRFLOW INFORMATION																																																																					
Floor Area: 50 ft² Plenum Height: 8.0 ft 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 / 75.0 °F Design Htg DB / Drift Point: 72.0 °F / 72.0 °F Design Relative Humidity: 45 % Moisture Capacitance: Medium Clg Tstat: None Htg Tstat: None Thermostat Location:Room Humidistat Location:Room CO2 Sensor Location:None Room Type:Conditioned					Flr-Flr Height: 17.0 ft Height Above Flr: Room Multiplier: 1 Room Multiplier: 1					People Type: None # of People: 0 People People Sensible: 250 Btu/h People Latent : 250 Btu/h People Schedule: Cooling Only (Design) Workstation: 0.0 workstation/person <u>LIGHTS</u> Lighting Type: Fluorescent, hung below ceiling, 100% load to space Fixture Type: SUSFLUOR % Load to RA: 0 % Lighting Schedule: Cooling Only (Design) Lighting Amount: 1.5 W/sq ft Ballast Factor: 1.0					Area ft²					Shade Coef					U Value Btu/h-ft²-°F					Type/ Energy Type					Alpha					Area ft²					Shade Coef					U Value Btu/h-ft²-°F					Internal Shading					External Shading					Overhang - None					Adj Temp/ Gmd Ref					Pct Rm/ Cool Tmp					Pct Heat Tmp					Pct Rad Perm Loss Len Coef				
Roof - 1															50 ft² 0					90 Steel Sheet, 6* Ins					0.0333 0.90 None					0					None					100 100 0 60.00																																																	

ENTERED VALUES

ROOM BY ROOM

By JBACE

Room Description: 3A360 - Exam										Zone Description: No Zone										System Description: RTU-ADM-2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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Floor Area: 144 ft² Plenum Height: 8.0 ft 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 / 75.0 °F Design Htg DB / Drift Point: 72.0 °F / 72.0 °F Design Relative Humidity: 45 % Moisture Capacitance: Medium Clg Tstat: None Htg Tstat: None Thermostat Location:Room Humidistat Location:Room CO2 Sensor Location:None Room Type:Conditioned										People Type: Hospital Room # 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: Fluorescent, hung below ceiling, 100% load to space Fixture Type: SUSFLUOR % Load to RA: 0 % Lighting Schedule: Cooling Only (Design) Lighting Amount: 3.0 W/sq ft Ballast Factor: 1.0										Cooling Vent Type: None Vent Value: 2.00 air changes/hr Vent Schedule: Available (100%) Infil Type: None Infil Value: 0.00 air changes/hr Infil Schedule: Available (100%) Vav Min Airflow: 50.00 % Cig Airflow Vav Min Sched: Available (100%) Supply: 6.00 air changes/hr Aux Supply: To be calculated Room Exhaust: 6.00 air changes/hr Rm Exh Sched: Available 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ENTERED VALUES

ROOM BY ROOM

By JBACE

Room Description: 3A361 - Exam										Zone Description: No Zone										System Description: RTU-ADM-2																			
GENERAL INFORMATION										PEOPLE										AIRFLOW INFORMATION																			
Floor Area: 140 ft ²	Plenum Height: 8.0 ft	Slab Cnstr Type: 4" LW Concrete	Room Mass: Time delay based on actual mass	Ceiling R-Value: 1.786 hr-ft ² -°F/Btu	Is There Carpet?: YES	Design Cig DB / Drift Point: 75.0 °F / 75.0 °F	Design Htg DB / Drift Point: 72.0 °F / 72.0 °F	Design Relative Humidity: 45 %	Moisture Capacitance: Medium	People Type: Hospital Room # of People: 2 People People Sensible: 250 Btu/h People Latent : 200 Btu/h People Schedule: Cooling Only (Design) Workstation: 1.0 workstation/person Lighting Type: Fluorescent, hung below ceiling, 100% load to space Fixture Type: SUSFLUOR % Load to RA: 0 % Lighting Schedule: Cooling Only (Design) Lighting Amount: 3.0 W/sq ft Ballast Factor: 1.0										Cooling Vent Type: None Vent Value: 2.00 air changes/hr Vent Schedule: Available (100%) Infil Type: None Infil Value: 0.00 air changes/hr Infil Schedule: Available (100%) Vav Min Airflow: 50.00 % Cig Airflow Vav Min Sched: Available (100%) Supply: 6.00 air changes/hr Aux Supply: To be calculated Room Exhaust: 6.00 air changes/hr Rm Exh Sched: Available (100%)										Heating None 2.00 air changes/hr None 0.00 air changes/hr 6.00 air changes/hr To be calculated									
Cig Tstat: None	Htg Tstat: None	Thermostat Location: Room	Humidistat Location: Room	CO2 Sensor Location: None	Room Type: Conditioned	Floor Multiplier: 1 Room Multiplier: 1																																	
Room Description: 3A361A - Toilet										Zone Description: No Zone										System Description: RTU-ADM-2																			
GENERAL INFORMATION										PEOPLE										AIRFLOW INFORMATION																			
Floor Area: 50 ft ²	Plenum Height: 8.0 ft	Slab Cnstr Type: 4" LW Concrete	Room Mass: Time delay based on actual mass	Ceiling R-Value: 1.786 hr-ft ² -°F/Btu	Is There Carpet?: YES	Design Cig DB / Drift Point: 75.0 °F / 75.0 °F	Design Htg DB / Drift Point: 72.0 °F / 72.0 °F	Design Relative Humidity: 45 %	Moisture Capacitance: Medium	People Type: None # of People: 0 People People Sensible: 250 Btu/h People Latent : 250 Btu/h People Schedule: Cooling Only (Design) Workstation: 0.0 workstation/person Lighting Type: Fluorescent, hung below ceiling, 100% load to space Fixture Type: SUSFLUOR % Load to RA: 0 % Lighting Schedule: Cooling Only (Design) Lighting Amount: 1.5 W/sq ft Ballast Factor: 1.0										Cooling (Peop-based) Vent Type: Default Std62 Vent Value: 0.00 cfm/person Vent Schedule: Available (100%) Infil Type: None Infil Value: 0.00 air changes/hr Infil Schedule: Available (100%) Vav Min Airflow: 100.00 % Cig Airflow Vav Min Sched: Available (100%) Supply: 10.00 air changes/hr Aux Supply: To be calculated Room Exhaust: 10.00 air changes/hr Rm Exh Sched: Available (100%) Std 62.1-2004 Cooling Ez: Ceiling ckg supply, ceiling return Heating Ez: Ceiling supply < Trm+15°F(8°C), ceiling return Er: Default based on system type										Heating (Area-based) Default Std62 0.00 cfm/sq ft None 0.00 air changes/hr 10.00 air changes/hr To be calculated									
Cig Tstat: None	Htg Tstat: None	Thermostat Location: Room	Humidistat Location: Room	CO2 Sensor Location: None	Room Type: Conditioned	Floor Multiplier: 1 Room Multiplier: 1																																	
Room Description: 3A361 - Exam										Zone Description: No Zone										System Description: RTU-ADM-2																			
GENERAL INFORMATION										PEOPLE										AIRFLOW INFORMATION																			
Floor Area: 140 ft ²	Plenum Height: 8.0 ft	Slab Cnstr Type: 4" LW Concrete	Room Mass: Time delay based on actual mass	Ceiling R-Value: 1.786 hr-ft ² -°F/Btu	Is There Carpet?: YES	Design Cig DB / Drift Point: 75.0 °F / 75.0 °F	Design Htg DB / Drift Point: 72.0 °F / 72.0 °F	Design Relative Humidity: 45 %	Moisture Capacitance: Medium	People Type: Hospital Room # of People: 2 People People Sensible: 250 Btu/h People Latent : 200 Btu/h People Schedule: Cooling Only (Design) Workstation: 1.0 workstation/person Lighting Type: Fluorescent, hung below ceiling, 100% load to space Fixture Type: SUSFLUOR % Load to RA: 0 % Lighting Schedule: Cooling Only (Design) Lighting Amount: 3.0 W/sq ft Ballast Factor: 1.0										Cooling Vent Type: None Vent Value: 2.00 air changes/hr Vent Schedule: Available (100%) Infil Type: None Infil Value: 0.00 air changes/hr Infil Schedule: Available (100%) Vav Min Airflow: 50.00 % Cig Airflow Vav Min Sched: Available (100%) Supply: 6.00 air changes/hr Aux Supply: To be calculated Room Exhaust: 6.00 air changes/hr Rm Exh Sched: Available (100%)										Heating None 2.00 air changes/hr None 0.00 air changes/hr 6.00 air changes/hr To be calculated									
Cig Tstat: None	Htg Tstat: None	Thermostat Location: Room	Humidistat Location: Room	CO2 Sensor Location: None	Room Type: Conditioned	Floor Multiplier: 1 Room Multiplier: 1																																	

Bv JBACE

System Description: RTU-ADM-2

Adj. D₁ D₂ D₃ D₄

System Description: DTL ADM 3

Adj	Pct	Pct	Pct	Bad

ENTERED VALUES

ROOM BY ROOM

By JBACE

Room Description: C3-13 - Corridor										System Description: RTU-ADM-2									
GENERAL INFORMATION										AIRFLOW INFORMATION									
Floor Area: 769 ft ² Plenum Height: 8.0 ft Slab Cnstr Type: 4" LW Concrete Room Mass: Time delay based on actual mass Ceiling R-Value: 1.786 hr-ft ² -°F/Btu Is There Carpet?: YES Design Cig DB / Drift Point: 75.0 °F / 75.0 °F Design Htg DB / Drift Point: 72.0 °F / 72.0 °F Design Relative Humidity: 45 % Moisture Capacitance: Medium Cig Tstat: None Htg Tstat: None Thermostat Location: Room Humidistat Location: Room CO2 Sensor Location: None Room Type: Conditioned										People Type: None # of People: 0 People People Sensible: 0 Btu/h People Latent : 0 Btu/h People Schedule: Cooling Only (Design) Workstation: 0.0 workstation/person LIGHTS Lighting Type: Fluorescent, hung below ceiling, 100% load to space Fixture Type: SUSFLUOR % Load to RA: 0 % Lighting Schedule: Cooling Only (Design) Lighting Amount: 1.0 W/sq ft Ballast Factor: 1.0									
Flr-Fir Height: 17.0 ft Height Above Flr:										Cooling (Peop-based) Corridors 0.06 cfm/sq ft None 0.00 air changes/hr 0.80 cfm/sq ft To be calculated Std 62.1-2004 Cooling Ez: Ceiling cld supply, ceiling return Heating Ez: Ceiling supply < Trm+15°F(8°C), ceiling return Er: Default based on system type									
Floor Multiplier: 1 Room Multiplier: 1										Adj Temp/ Gnd Refl Pct Sen/ Cool Tmp Pct Rm/ Heat Temp Pct Rad Ref/ Perm Loss Len Coef									
Description Roof - 1										Glass Area ft ² Shade Coef U Value Btu/h-ft ² -°F Alpha Type / Energy Type 0 0.0333 0.90									

Room Description: C3-14 - Corridor										System Description: RTU-ADM-2									
GENERAL INFORMATION										AIRFLOW INFORMATION									
Floor Area: 223 ft ² Plenum Height: 8.0 ft Slab Cnstr Type: 4" LW Concrete Room Mass: Time delay based on actual mass Ceiling R-Value: 1.786 hr-ft ² -°F/Btu Is There Carpet?: YES Design Cig DB / Drift Point: 75.0 °F / 75.0 °F Design Htg DB / Drift Point: 72.0 °F / 72.0 °F Design Relative Humidity: 45 % Moisture Capacitance: Medium Cig Tstat: None Htg Tstat: None Thermostat Location: Room Humidistat Location: Room CO2 Sensor Location: None Room Type: Conditioned										People Type: None # of People: 0 People People Sensible: 0 Btu/h People Latent : 0 Btu/h People Schedule: Cooling Only (Design) Workstation: 0.0 workstation/person LIGHTS Lighting Type: Fluorescent, hung below ceiling, 100% load to space Fixture Type: SUSFLUOR % Load to RA: 0 % Lighting Schedule: Cooling Only (Design) Lighting Amount: 1.0 W/sq ft Ballast Factor: 1.0									
Flr-Fir Height: 17.0 ft Height Above Flr:										Cooling (Peop-based) Corridors 0.06 cfm/sq ft None 0.00 air changes/hr 0.80 cfm/sq ft To be calculated Std 62.1-2004 Cooling Ez: Ceiling cld supply, ceiling return Heating Ez: Ceiling supply < Trm+15°F(8°C), ceiling return Er: Default based on system type									
Floor Multiplier: 1 Room Multiplier: 1										Adj Temp/ Gnd Refl Pct Sen/ Cool Tmp Pct Rm/ Heat Temp Pct Rad Ref/ Perm Loss Len Coef									
Description Roof - 1										Glass Area ft ² Shade Coef U Value Btu/h-ft ² -°F Alpha Type / Energy Type 0 0.0333 0.90									

By JBACE

Room Description: C3-15 - Corridor	Zone Description: No Zone	System Description: RTU-ADM-2
GENERAL INFORMATION Floor Area: 272 ft ² Plenum Height: 8.0 ft Slab Cnstr Type: 4" LW Concrete Room Mass: Time delay based on actual mass Ceiling R-Value: 1.786 hr-ft ² -°F/Btu Is There Carpet?: YES Design Cig DB / Drift Point: 75.0 °F / 75.0 °F Design Htg DB / Drift Point: 72.0 °F / 72.0 °F Design Relative Humidity: 45 % Moisture Capacitance: Medium Cig Tstat: None Htg Tstat: None Thermostat Location: Room Humidistat Location: Room CO2 Sensor Location: None Room Type: Conditioned	PEOPLE People Type: None # of People: 0 People People Sensible: 0 Btu/h People Latent : 0 Btu/h People Schedule: Cooling Only (Design) Workstation: 0.0 workstation/person LIGHTS Lighting Type: Fluorescent, hung below ceiling, 100% load to space Fixture Type: SUSFLUOR % Load to RA: 0 % Lighting Schedule: Cooling Only (Design) Lighting Amount: 1.0 W/sq ft Ballast Factor: 1.0	AIRFLOW INFORMATION Cooling (Peop-based): Corridors Vent Type: 0.00 cfm/person 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 Min Airflow: 50.00 % Cig Airflow Vav Min Sched: Available (100%) Supply: 0.80 cfm/sq ft Aux Supply: To be calculated Room Exhaust: To be calculated Rm Exh Sched: Available (100%) Std 62.1-2004 Cooling Ez: Ceiling clg supply, ceiling return Heating Ez: Ceiling supply < Trm+15°F(8°C), ceiling return Er: Default based on system type

[illegible]

Room Description: C3-16 - Corridor	Zone Description: No Zone	System Description: RTU-ADM-2
GENERAL INFORMATION Floor Area: 363 ft² Plenum Height: 8.0 ft 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 Cig DB / Drift Point: 75.0 °F / 75.0 °F Design Hg DB / Drift Point: 72.0 °F / 72.0 °F Design Relative Humidity: 45 % Moisture Capacitance: Medium Cig Tstat: None Hg Tstat: None Thermostat Location: Room Humidistat Location: Room CO2 Sensor Location: None Room Type: Conditioned	PEOPLE People Type: None # of People: 0 People People Sensible: 0 Btu/h People Latent : 0 Btu/h People Schedule: Cooling Only (Design) Workstation: 0.0 workstation/person Lighting Type: Fluorescent, hung below ceiling, 100% load to space Fixture Type: SUSFLUOR % Load to RA: 0 % Lighting Schedule: Cooling Only (Design) Lighting Amount: 1.0 W/sq ft Ballast Factor: 1.0	AIRFLOW INFORMATION Cooling (Peop-based): Corridors Vent Type: Corridors Vent Value: 0.00 cfm/person Vent Schedule: Available (100%) Infil Type: None Infil Value: 0.00 air changes/hr Infil Schedule: Available (100%) Vav Min Airflow: 50.00 % Cig Airflow Vav Min Sched: Available (100%) Supply: 0.80 cfm/sq ft Aux Supply: To be calculated Room Exhaust: To be calculated Rm Exh Sched: Available (100%) Cooling Ez: Ceiling cld supply, ceiling return Heating Ez: Ceiling supply < Trm+15°F(8°C), ceiling return Er: Default based on system type Std 62.1-2004 100 % 100 %

Description	Area/ Amount	Dir	Tilt	Const Type / Schedule	U Value Btu/h-ft²·°F	Alpha	Glass										Pct Shading	Internal Shading	External Shading	Overhang - None
							Type / Energy Type	Area ft²	Shade Coef	U Value Btu/h-ft²·°F	Pct Cool Temp	Rm/ Heat Len	Adj Temp/ Grnd Refl	Pct Sen/ Cool Temp	Pct Rad Ret/ Perm Loss					
Roof - 1	363 ft²	0	90	Steel Sheet, 6" Ins	0.0333	0.90		0												

ENTERED VALUES

ROOM BY ROOM

By JBACE

Room Description: C3-17 - Corridor				Zone Description: No Zone				System Description: RTU-ADM-2									
GENERAL INFORMATION				PEOPLE				AIRFLOW INFORMATION									
Floor Area: 272 ft ²	Flr-Fir Height: 17.0 ft			People Type: None				Cooling (Peop-based)					Heating (Area-based)				
Plenum Height: 8.0 ft	Height Above Flr:			# of People: 0 People				Corridors					Corridors				
Slab Cnstr Type: 4" LW Concrete				People Sensible: 0 Btu/h				Vent Value: 0.00 cfm/person					0.06 cfm/sq ft				
Room Mass: Time delay based on actual mass				People Latent : 0 Btu/h				Vent Schedule: Available (100%)					None				
Ceiling R-Value: 1.786 hr-ft ² -°F/Btu				People Schedule: Cooling Only (Design)				Infil Type: None					0.00 air changes/hr				
Is There Carpet?: YES				Workstation: 0.0 workstation/person				Infil Value: 0.00 air changes/hr					0.00 air changes/hr				
Design Cig DB / Drift Point: 75.0 °F / 75.0 °F								Infil Schedule: Available (100%)					0.80 cfm/sq ft				
Design Htg DB / Drift Point: 72.0 °F / 72.0 °F								Vav Min Airflow: 50.00 % Cig Airflow					To be calculated				
Design Relative Humidity: 45 %								Vav Min Sched: Available (100%)					To be calculated				
Moisture Capacitance: Medium								Supply: 0.80 cfm/sq ft					To be calculated				
Cig Tstat: None								Room Exhaust: To be calculated					To be calculated				
Htg Tstat: None								Rm Exh Sched: Available (100%)					Std 62.1-2004				
Thermostat Location: Room	Floor Multiplier: 1							Cooling Ez: Ceiling cld supply, ceiling return					100 %				
Humidistat Location: Room	Room Multiplier: 1							Heating Ez: Ceiling supply < Trm+15°F(8°C), ceiling return					100 %				
CO2 Sensor Location: None								Er: Default based on system type									
Room Type: Conditioned																	

Room Description: C3-20 Existing Service Lobby				Zone Description: No Zone				System Description: RTU-ADM-2									
GENERAL INFORMATION				PEOPLE				AIRFLOW INFORMATION									
Floor Area: 412 ft ²	Flr-Fir Height: 17.0 ft			People Type: None				Cooling (Peop-based)					Heating (Area-based)				
Plenum Height: 8.0 ft	Height Above Flr:			# of People: 0 People				Corridors					Corridors				
Slab Cnstr Type: 4" LW Concrete				People Sensible: 0 Btu/h				Vent Value: 0.00 cfm/person					0.06 cfm/sq ft				
Room Mass: Time delay based on actual mass				People Latent : 0 Btu/h				Vent Schedule: Available (100%)					None				
Ceiling R-Value: 1.786 hr-ft ² -°F/Btu				People Schedule: Cooling Only (Design)				Infil Type: None					0.00 air changes/hr				
Is There Carpet?: YES				Workstation: 0.0 workstation/person				Infil Value: 0.00 air changes/hr					0.00 air changes/hr				
Design Cig DB / Drift Point: 75.0 °F / 75.0 °F								Infil Schedule: Available (100%)					0.80 cfm/sq ft				
Design Htg DB / Drift Point: 72.0 °F / 72.0 °F								Vav Min Airflow: 50.00 % Cig Airflow					To be calculated				
Design Relative Humidity: 45 %								Vav Min Sched: Available (100%)					To be calculated				
Moisture Capacitance: Medium								Supply: 0.80 cfm/sq ft					To be calculated				
Cig Tstat: None								Room Exhaust: To be calculated					To be calculated				
Htg Tstat: None								Rm Exh Sched: Available (100%)					Std 62.1-2004				
Thermostat Location: Room	Floor Multiplier: 1							Cooling Ez: Ceiling cld supply, ceiling return					100 %				
Humidistat Location: Room	Room Multiplier: 1							Heating Ez: Ceiling supply < Trm+15°F(8°C), ceiling return					100 %				
CO2 Sensor Location: None								Er: Default based on system type									
Room Type: Conditioned																	

Room Description: C3-20 Existing Service Lobby				Zone Description: No Zone				System Description: RTU-ADM-2									
GENERAL INFORMATION				PEOPLE				AIRFLOW INFORMATION									
Floor Area: 412 ft ²	Flr-Fir Height: 17.0 ft			People Type: None				Cooling (Peop-based)					Heating (Area-based)				
Plenum Height: 8.0 ft	Height Above Flr:			# of People: 0 People				Corridors					Corridors				
Slab Cnstr Type: 4" LW Concrete				People Sensible: 0 Btu/h				Vent Value: 0.00 cfm/person					0.06 cfm/sq ft				
Room Mass: Time delay based on actual mass				People Latent : 0 Btu/h				Vent Schedule: Available (100%)					None				
Ceiling R-Value: 1.786 hr-ft ² -°F/Btu				People Schedule: Cooling Only (Design)				Infil Type: None					0.00 air changes/hr				
Is There Carpet?: YES				Workstation: 0.0 workstation/person				Infil Value: 0.00 air changes/hr					0.00 air changes/hr				
Design Cig DB / Drift Point: 75.0 °F / 75.0 °F								Infil Schedule: Available (100%)					0.80 cfm/sq ft				
Design Htg DB / Drift Point: 72.0 °F / 72.0 °F								Vav Min Airflow: 50.00 % Cig Airflow					To be calculated				
Design Relative Humidity: 45 %								Vav Min Sched: Available (100%)					To be calculated				
Moisture Capacitance: Medium								Supply: 0.80 cfm/sq ft					To be calculated				
Cig Tstat: None								Room Exhaust: To be calculated					To be calculated				
Htg Tstat: None								Rm Exh Sched: Available (100%)					Std 62.1-2004				
Thermostat Location: Room	Floor Multiplier: 1							Cooling Ez: Ceiling cld supply, ceiling return					100 %				
Humidistat Location: Room	Room Multiplier: 1							Heating Ez: Ceiling supply < Trm+15°F(8°C), ceiling return					100 %				
CO2 Sensor Location: None								Er: Default based on system type									
Room Type: Conditioned																	

Room Description: C3-20 Existing Service Lobby				Zone Description: No Zone				System Description: RTU-ADM-2									
GENERAL INFORMATION				PEOPLE				AIRFLOW INFORMATION									
Floor Area: 412 ft ²	Flr-Fir Height: 17.0 ft			People Type: None				Cooling (Peop-based)					Heating (Area-based)				
Plenum Height: 8.0 ft	Height Above Flr:			# of People: 0 People				Corridors					Corridors				
Slab Cnstr Type: 4" LW Concrete				People Sensible: 0 Btu/h				Vent Value: 0.00 cfm/person					0.06 cfm/sq ft				
Room Mass: Time delay based on actual mass				People Latent : 0 Btu/h				Vent Schedule: Available (100%)					None				
Ceiling R-Value: 1.786 hr-ft ² -°F/Btu				People Schedule: Cooling Only (Design)				Infil Type: None					0.00 air changes/hr				
Is There Carpet?: YES				Workstation: 0.0 workstation/person				Infil Value: 0.00 air changes/hr					0.00 air changes/hr				
Design Cig DB / Drift Point: 75.0 °F / 75.0 °F								Infil Schedule: Available (100%)					0.80 cfm/sq ft				
Design Htg DB / Drift Point: 72.0 °F / 72.0 °F								Vav Min Airflow: 50.00 % Cig Airflow					To be calculated				
Design Relative Humidity: 45 %								Vav Min Sched: Available (100%)					To be calculated				
Moisture Capacitance: Medium								Supply: 0.80 cfm/sq ft					To be calculated				
Cig Tstat: None								Room Exhaust: To be calculated					To be calculated				
Htg Tstat: None								Rm Exh Sched: Available (100%)					Std 62.1-2004				
Thermostat Location: Room	Floor Multiplier: 1							Cooling Ez: Ceiling cld supply, ceiling return					100 %				
Humidistat Location: Room	Room Multiplier: 1							Heating Ez: Ceiling supply < Trm+15°F(8°C), ceiling return					100 %				
CO2 Sensor Location: None								Er: Default based on system type									
Room Type: Conditioned																	

ENTERED VALUES

ROOM ASSIGNMENTS

By JBACE

Alternative 1

ASSIGNED ROOMS

Description

RTU-ADM-2

3A229 - Existing Break Room
3A231 - Male Toilet
3A233 - Female Toilet
3A331 - Public Restroom
3A332 - Lactation
3A333 - Waiting Room
3A333 - Waiting Room Exterior
3A333A - Playarea
3A334 - Reception
3A335 - Pharmacy
3A336 - MGR
3A337 - Treatment
3A337A - Restroom
3A338 - Treatment
3A339 - Diet
3A340 - Flex
3A341 - Office #1
3A342 - Office #2
3A343 - Office #3
3A344 - Office #4
3A345 - Classroom
3A346 - Exam
3A346A - Toilet
3A347 - Exam
3A347A - Toilet
3A348 - Exam
3A348A - Toilet
3A349 - Exam
3A349A - Toilet
3A350 - Bariatric / Tele Med RM
3A350A - Toilet
3A351 - Soil
3A352 - Clean Linen
3A353 - Supply
3A354 - Storage
3A355 - Mental Health Office
3A356 - Mental Health Office
3A357 - Social Worker
3A358 - Exam Negative Pressure
3A358A - Toilet
3A359 - Exam
3A359A - Toilet
3A360 - Exam
3A360A - Toilet
3A361 - Exam
3A361A - Toilet
3A362 - Exam
3A362A - Toilet
C3-13 - Corridor

ENTERED VALUES ROOM ASSIGNMENTS

By JBACE

C3-14 - Corridor
C3-15 - Corridor
C3-16 - Corridor
C3-17 - Corridor
C3-20 Existing Service Lobby

SYSTEM ENTERED VALUES

By JBACE

RTU-ADM-2 - Variable Volume Reheat (30% Min Flow Default)

Design Air Conditions		Max	Min
Cooling supply:	55.0 °F	55.0 °F	
Leaving cooling coil:			Supply duct temperature diff: 0.0 °F
Heating supply:			Reheat Temperature diff: 0.0 °F
			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: System	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	
	Std62 Max Vent (Z) Ratio:	System ventilation flag: Sum Room OA Reqs
Reset per worst case room schedule: Off (0%)		
Max reset:		
Use system default outside air reset: Yes		
Control Method	Control Type	
Auxiliary cooling coil	Activate After Primary System	
Auxiliary heating coil	Activate After Primary System	
Auxiliary fan	No Fan	
		Supply air path / duct location: Return Air
		Space convective gains to occupied layer:
		Underfloor plenum height: 0.0 ft
		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 %

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.	Full Load Energy Rate	Schedule	Efficiency	Demand Limiting Priority
Primary 90.1-04 Min VAV AF Centrifugal	6.0 in. wg	0.00022 kW/Cfm-in wg	Available (100%)	90	
Secondary None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Return 90.1-04 Min VAV AF Centrifugal	2.0 in. wg	0.00022 kW/Cfm-in wg	Available (100%)	90	
System Exhaust None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Room Exhaust None	0.0 in. wg	0.00000 kW	Available (100%)	85	
Optional ventilation None	0.0 in. wg	0.00000 kW	Available (100%)	90	
Auxiliary None	0.0 in. wg	0.00000 kW	Available (100%)	85	
LEED Fan Power Adjustment 0.0 in. wg					

System Component Selection Summary

By JBACE

Alternative 1

System Description: RTU-ADM-2

System Type: Variable Volume Reheat (30% Min Flow Default)

Number of Zones: 54

Number of Rooms: 54

Component	Sizing Method	Location	Quantity
Cooling			
Main Clg Coil	Block	System	1
Primary Clg Fan	Block	System	1
Heating			
Main Htg Coil	Peak	Zone	54
Preheat Coil	Peak	System	1
Miscellaneous			
System Exhaust Fan	Vent+Inf-RmExh	System	1
Return Fan	Return Airflow	System	1
Room Exhaust Fan	RmExh Input	Room	18
VAV Boxes	Block	Zone	54

Peak sizing for VAV systems based on worst case of design airflow and 100% OA at minimum airflow

Sizing not to exceed room ventilation plus infiltration airflow

Coil Location				Cooling Coil Selection							
System	Zone	Room	Component	Time Of Peak Mo/Hr	Total Capacity ton	Total Capacity MBh	Sensible Capacity MBh	Airflow At Coil Peak cfm	Enter DB/ WB/ HR °F	Leave DB/ WB/ HR °F	gr/lb
RTU-ADM-2			Main Clg Coil	8/15	35.2	421.8	295.5	9,021	83.8	62.6	58.3
									51.5	44.8	37.1
Coil Location				Heating Coil Selection							
System	Zone	Room	Component	Total Capacity MBh	Airflow cfm	DB °F	HR gr/lb	Entering DB °F	Leaving DB °F	HR gr/lb	
RTU-ADM-2			Preheat Coil	-62.6	2,616	28.2	51.5				
	3A229 - Existing Break Room		Main Htg Coil	-15.0	543	51.5	78.5				
	3A231 - Male Toilet		Main Htg Coil	-1.4	68	51.5	72.3				
	3A233 - Female Toilet		Main Htg Coil	-1.4	68	51.5	72.3				
	3A331 - Public Restroom		Main Htg Coil	-2.3	110	51.5	72.3				
	3A332 - Lactation		Main Htg Coil	-3.6	130	51.5	78.2				
	3A333 - Waiting Room		Main Htg Coil	-8.0	360	51.5	73.2				
	3A333 - Waiting Room Exterior		Main Htg Coil	-3.5	123	51.5	79.4				
	3A333A - Playarea		Main Htg Coil	-4.6	162	51.5	79.4				
	3A334 - Reception		Main Htg Coil	-9.3	359	51.5	76.7				
	3A335 - Pharmacy		Main Htg Coil	-0.8	36	51.5	73.6				
	3A336 - MGR		Main Htg Coil	-2.0	79	51.5	76.0				
	3A337 - Treatment		Main Htg Coil	-4.1	159	51.5	76.5				
	3A337A - Restroom		Main Htg Coil	-2.1	86	51.5	75.6				
	3A338 - Treatment		Main Htg Coil	-2.5	104	51.5	75.0				
	3A339 - Diet		Main Htg Coil	-1.7	79	51.5	72.9				
	3A340 - Flex		Main Htg Coil	-1.7	79	51.5	72.9				
	3A341 - Office #1		Main Htg Coil	-1.8	80	51.5	72.9				
	3A342 - Office #2		Main Htg Coil	-2.2	101	51.5	73.0				

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System Component Selection Summary

By JBACE

Coil Location			Heating Coil Selection						
System	Zone	Room	Component	Total Capacity MBh	Airflow cfm	Entering		Leaving	
						DB °F	HR gr/lb	DB °F	HR gr/lb
	3A343	- Office #3	Main Htg Coil	-2.2	102	51.5		73.0	
	3A344	- Office #4	Main Htg Coil	-2.2	101	51.5		73.0	
	3A345	- Classroom	Main Htg Coil	-3.7	167	51.5		73.0	
	3A346	- Exam	Main Htg Coil	-1.6	74	51.5		73.0	
	3A346A	- Toilet	Main Htg Coil	-1.6	75	51.5		72.3	
	3A347	- Exam	Main Htg Coil	-1.6	74	51.5		73.0	
	3A347A	- Toilet	Main Htg Coil	-1.6	75	51.5		72.3	
	3A348	- Exam	Main Htg Coil	-1.6	72	51.5		73.0	
	3A348A	- Toilet	Main Htg Coil	-1.6	75	51.5		72.3	
	3A349	- Exam	Main Htg Coil	-1.7	79	51.5		73.0	
	3A349A	- Toilet	Main Htg Coil	-1.6	75	51.5		72.3	
	3A350	- Bariatric / Tele Med RM	Main Htg Coil	-1.7	79	51.5		73.0	
	3A350A	- Toilet	Main Htg Coil	-2.4	114	51.5		72.3	
	3A351	- Soil	Main Htg Coil	-0.4	18	51.5		73.2	
	3A352	- Clean Linen	Main Htg Coil	-0.8	37	51.5		73.6	
	3A353	- Supply	Main Htg Coil	-0.2	9	51.5		74.1	
	3A354	- Storage	Main Htg Coil	-0.2	7	51.5		74.1	
	3A355	- Mental Health Office	Main Htg Coil	-1.7	77	51.5		72.9	
	3A356	- Mental Health Office	Main Htg Coil	-1.7	77	51.5		72.9	
	3A357	- Social Worker	Main Htg Coil	-1.7	77	51.5		72.9	
	3A358	- Exam Negative Pressure	Main Htg Coil	-1.6	74	51.5		73.0	
	3A358A	- Toilet	Main Htg Coil	-1.6	77	51.5		72.3	
	3A359	- Exam	Main Htg Coil	-1.5	69	51.5		73.0	
	3A359A	- Toilet	Main Htg Coil	-1.6	75	51.5		72.3	
	3A360	- Exam	Main Htg Coil	-1.7	76	51.5		73.0	
	3A360A	- Toilet	Main Htg Coil	-1.6	75	51.5		72.3	
	3A361	- Exam	Main Htg Coil	-1.6	74	51.5		73.0	
	3A361A	- Toilet	Main Htg Coil	-1.6	75	51.5		72.3	
	3A362	- Exam	Main Htg Coil	-1.8	80	51.5		73.0	
	3A362A	- Toilet	Main Htg Coil	-1.6	75	51.5		72.3	
	C3-13	- Corridor	Main Htg Coil	-6.9	308	51.5		73.3	
	C3-14	- Corridor	Main Htg Coil	-2.0	89	51.5		73.3	
	C3-15	- Corridor	Main Htg Coil	-2.4	109	51.5		73.3	
	C3-16	- Corridor	Main Htg Coil	-3.2	145	51.5		73.3	
	C3-17	- Corridor	Main Htg Coil	-2.4	109	51.5		73.3	
	C3-20	Existing Service Lobby	Main Htg Coil	-5.6	165	51.5		84.8	

Component Location			Miscellaneous Component Selection						
System	Zone	Room	Component	Design Airflow cfm	Ach/hr	Outside Air %	SADB Ctg °F	Htg °F	Minimum Airflow cfm
RTU-ADM-2			Optional Vent Fan	9,288		100			
RTU-ADM-2			Return Fan	9,288					
RTU-ADM-2			System Exhaust Fan	9,288					
RTU-ADM-2			Primary Fan	9,288		0.3	55.0		5,862
	3A229 - Existing Break Room		VAV Box	1,085		8.7	55.0	78.0	543
	3A229 - Existing Break Room		Diffuser	1,085	11.7	8.7			543

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System Component Selection Summary

By JBACE

Component Location			Miscellaneous Component Selection						
System	Zone	Room	Component	Design Airflow cfm	Ach/hr	Outside Air %	SADB Cig °F	Htg °F	Minimum Airflow cfm
	3A231	- Male Toilet	VAV Box	68		0.0	55.0	72.0	68
	3A231	- Male Toilet	Diffuser	68	10.0	0.0			68
	3A233	- Female Toilet	VAV Box	68		0.0	55.0	72.0	68
	3A233	- Female Toilet	Diffuser	68	10.0	0.0			68
	3A331	- Public Restroom	VAV Box	110		0.0	55.0	72.0	110
	3A331	- Public Restroom	Diffuser	110	10.0	0.0			110
	3A332	- Lactation	VAV Box	259		11.3	55.0	78.0	130
	3A332	- Lactation	Diffuser	259	14.2	11.3			130
	3A332	- Lactation	Room Exhaust Fan	29					
	3A333	- Waiting Room	VAV Box	720		100	55.0	73.0	360
	3A333	- Waiting Room	Diffuser	720	5.8	100			360
	3A333	- Waiting Room	Room Exhaust Fan	720					
	3A333	- Waiting Room Exterior	VAV Box	246		100	55.0	79.0	123
	3A333	- Waiting Room Exterior	Room Exhaust Fan	81					
	3A333	- Waiting Room Exterior	Diffuser	246	14.0	100			123
	3A333A	- Playarea	VAV Box	324		100	55.0	79.0	162
	3A333A	- Playarea	Room Exhaust Fan	139					
	3A333A	- Playarea	Diffuser	324	11.3	100			162
	3A334	- Reception	VAV Box	717		9.7	55.0	77.0	359
	3A334	- Reception	Diffuser	717	11.1	9.7			359
	3A335	- Pharmacy	VAV Box	72		47.2	55.0	74.0	36
	3A335	- Pharmacy	Diffuser	72	4.2	47.2			36
	3A335	- Pharmacy	Room Exhaust Fan	34					
	3A336	- MGR	VAV Box	158		13.6	55.0	76.0	79
	3A336	- MGR	Diffuser	158	9.3	13.6			79
	3A337	- Treatment	VAV Box	318		17.6	55.0	76.0	159
	3A337	- Treatment	Diffuser	318	11.0	17.6			159
	3A337	- Treatment	Room Exhaust Fan	56					
	3A337A	- Restroom	VAV Box	86		0.0	55.0	76.0	86
	3A337A	- Restroom	Diffuser	86	10.0	0.0			86
	3A338	- Treatment	VAV Box	207		26.8	55.0	75.0	104
	3A338	- Treatment	Diffuser	207	7.2	26.8			104
	3A338	- Treatment	Room Exhaust Fan	56					
	3A339	- Diet	VAV Box	158		14.7	55.0	73.0	79
	3A339	- Diet	Diffuser	158	7.6	14.7			79
	3A340	- Flex	VAV Box	158		14.7	55.0	73.0	79
	3A340	- Flex	Diffuser	158	7.6	14.7			79
	3A341	- Office #1	VAV Box	160		14.6	55.0	73.0	80
	3A341	- Office #1	Diffuser	160	7.6	14.6			80

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System Component Selection Summary

By JBACE

Component Location			Miscellaneous Component Selection						
System	Zone	Room	Component	Design Airflow cfm	Ach/hr	Outside Air %	SADB Cig °F	Htg °F	Minimum Airflow cfm
	3A342	- Office #2	VAV Box	203		13.0	55.0	73.0	101
	3A342	- Office #2	Diffuser	203	7.1	13.0			101
	3A343	- Office #3	VAV Box	203		13.0	55.0	73.0	102
	3A343	- Office #3	Diffuser	203	7.1	13.0			102
	3A344	- Office #4	VAV Box	202		13.0	55.0	73.0	101
	3A344	- Office #4	Diffuser	202	7.1	13.0			101
	3A345	- Classroom	VAV Box	334		41.1	55.0	73.0	167
	3A345	- Classroom	Diffuser	334	7.0	41.1			167
	3A346	- Exam	VAV Box	148		28.4	55.0	73.0	74
	3A346	- Exam	Room Exhaust Fan	42					
	3A346	- Exam	Diffuser	148	7.0	28.4			74
	3A346A	- Toilet	VAV Box	75		0.0	55.0	72.0	75
	3A346A	- Toilet	Diffuser	75	10.0	0.0			75
	3A347	- Exam	VAV Box	148		28.4	55.0	73.0	74
	3A347	- Exam	Diffuser	148	7.0	28.4			74
	3A347	- Exam	Room Exhaust Fan	42					
	3A347A	- Toilet	VAV Box	75		0.0	55.0	72.0	75
	3A347A	- Toilet	Diffuser	75	10.0	0.0			75
	3A348	- Exam	VAV Box	144		28.3	55.0	73.0	72
	3A348	- Exam	Diffuser	144	7.0	28.3			72
	3A348	- Exam	Room Exhaust Fan	41					
	3A348A	- Toilet	VAV Box	75		0.0	55.0	72.0	75
	3A348A	- Toilet	Diffuser	75	10.0	0.0			75
	3A349	- Exam	VAV Box	158		28.7	55.0	73.0	79
	3A349	- Exam	Diffuser	158	6.9	28.7			79
	3A349	- Exam	Room Exhaust Fan	45					
	3A349A	- Toilet	VAV Box	75		0.0	55.0	72.0	75
	3A349A	- Toilet	Diffuser	75	10.0	0.0			75
	3A350	- Bariatric / Tele Med RM	VAV Box	159		30.4	55.0	73.0	79
	3A350	- Bariatric / Tele Med RM	Diffuser	159	6.5	30.4			79
	3A350	- Bariatric / Tele Med RM	Room Exhaust Fan	48					
	3A350A	- Toilet	VAV Box	114		0.0	55.0	72.0	114
	3A350A	- Toilet	Diffuser	114	10.0	0.0			114
	3A351	- Soil	VAV Box	37		0.0	55.0	73.0	18
	3A351	- Soil	Diffuser	37	4.2	0.0			18
	3A352	- Clean Linen	VAV Box	74		47.2	55.0	74.0	37
	3A352	- Clean Linen	Diffuser	74	4.2	47.2			37
	3A352	- Clean Linen	Room Exhaust Fan	35					
	3A353	- Supply	VAV Box	17		24.0	55.0	74.0	9

Project Name: VA Medical Center - Womens Center

Dataset Name: 110884_VA.TRC

TRACE® 700 v6.2.6.5 calculated at 02:03 PM on 07/11/2012

Alternative - 1 System Component Selection Summary Page 4 of 6

System Component Selection Summary

By JBACE

Component Location			Miscellaneous Component Selection						
System	Zone	Room	Component	Design Airflow cfm	Airflow Ach/hr	Outside Air %	SADB Ctg °F	Htg °F	Minimum Airflow cfm
		3A353 - Supply	Diffuser	17	1.7	24.0			9
	3A354 - Storage		VAV Box	13		24.0	55.0	74.0	7
	3A354 - Storage		Diffuser	13	1.7	24.0			7
	3A355 - Mental Health Office		VAV Box	155		14.9	55.0	73.0	77
	3A355 - Mental Health Office		Diffuser	155	7.7	14.9			77
	3A356 - Mental Health Office		VAV Box	155		14.9	55.0	73.0	77
	3A356 - Mental Health Office		Diffuser	155	7.7	14.9			77
	3A357 - Social Worker		VAV Box	155		14.9	55.0	73.0	77
	3A357 - Social Worker		Diffuser	155	7.7	14.9			77
	3A358 - Exam Negative Pressure		VAV Box	149		28.4	55.0	73.0	74
	3A358 - Exam Negative Pressure		Diffuser	149	7.0	28.4			74
	3A358 - Exam Negative Pressure		Room Exhaust Fan	42					
	3A358A - Toilet		VAV Box	77		0.0	55.0	72.0	77
	3A358A - Toilet		Diffuser	77	10.0	0.0			77
	3A359 - Exam		VAV Box	137		28.0	55.0	73.0	69
	3A359 - Exam		Room Exhaust Fan	38					
	3A359 - Exam		Diffuser	137	7.1	28.0			69
	3A359A - Toilet		VAV Box	75		0.0	55.0	72.0	75
	3A359A - Toilet		Diffuser	75	10.0	0.0			75
	3A360 - Exam		VAV Box	152		28.5	55.0	73.0	76
	3A360 - Exam		Diffuser	152	7.0	28.5			76
	3A360 - Exam		Room Exhaust Fan	43					
	3A360 - Exam		VAV Box	75		0.0	55.0	72.0	75
	3A360A - Toilet		Diffuser	75	10.0	0.0			75
	3A360A - Toilet		VAV Box	148		28.4	55.0	73.0	74
	3A361 - Exam		Diffuser	148	7.0	28.4			74
	3A361 - Exam		Room Exhaust Fan	42					
	3A361A - Toilet		VAV Box	75		0.0	55.0	72.0	75
	3A361A - Toilet		Diffuser	75	10.0	0.0			75
	3A362 - Exam		VAV Box	160		28.8	55.0	73.0	80
	3A362 - Exam		Diffuser	160	6.9	28.8			80
	3A362 - Exam		Room Exhaust Fan	46					
	3A362A - Toilet		VAV Box	75		0.0	55.0	72.0	75
	3A362A - Toilet		Diffuser	75	10.0	0.0			75
	C3-13 - Corridor		VAV Box	615		7.5	55.0	73.0	308
	C3-13 - Corridor		Diffuser	615	2.7	7.5			308
	C3-14 - Corridor		VAV Box	178		7.5	55.0	73.0	89
	C3-14 - Corridor		Diffuser	178	2.7	7.5			89
	C3-15 - Corridor		VAV Box	218		7.5	55.0	73.0	109

System Component Selection Summary

By JBACE

Component Location			Miscellaneous Component Selection						
System	Zone	Room	Component	Design Airflow cfm	Ach/hr	Outside Air %	SADB Cig °F	Htg °F	Minimum Airflow cfm
	C3-16 - Corridor	C3-15 - Corridor	Diffuser	218	2.7	7.5			109
			VAV Box	290		7.5	55.0	73.0	145
	C3-17 - Corridor	C3-16 - Corridor	Diffuser	290	2.7	7.5			145
			VAV Box	218		7.5	55.0	73.0	109
	C3-20 Existing Service Lobby	C3-17 - Corridor	Diffuser	218	2.7	7.5			109
			VAV Box	330		7.5	55.0	85.0	165
		C3-20 Existing Service Lobby	Diffuser	330	2.7	7.5			165

System Checksums

By JBACE

RTU-ADM-2

Variable Volume Reheat (30% Min Flow Default)

COOLING COIL PEAK										CLG SPACE PEAK										HEATING COIL PEAK										TEMPERATURES									
Peaked at Time: Outside Air:					Mo/Hr: 8 / 15 OADB/WB/HR: 96 / 73 / 99					Mo/Hr: 9 / 16 OADB: 97					Mo/Hr: Heating Design OADB: 28																								
Sens. + Lat.		Space	Plenum		Net		Percent	Space	Percent	Space Peak		Coil Peak		Percent																									
Btu/h		Btu/h	Sens. + Lat		Total		Of Total	Sensible	Of Total	Btu/h		Tot Sens		Of Total																									
			Btu/h		Btu/h		(%)	Btu/h	(%)			Btu/h		(%)																									
Envelope Loads															Envelope Loads																								
Skylite Solar		0	0		0		0	0	0	0		0		0																									
Skylite Cond		0	0		0		0	0	0	0		0		0																									
Roof Cond		0	25,895		25,895		6	0	0	0		-12,770		6.34																									
Glass Solar		16,313	0		16,313		4	21,577	11	0		0		0.00																									
Glass/Door Cond		2,487	0		2,487		1	2,656	1	-6,222		-6,222		3.09																									
Wall Cond		3,131	0		3,131		1	4,158	2	-2,811		-2,811		1.40																									
Partition/Door		695	0		695		0	805	0	-1,950		-1,950		0.97																									
Floor		0	0		0		0	0	0	0		0		0.00																									
Adjacent Floor		0	0		0		0	0	0	0		0		0																									
Infiltration		0	0		0		0	0	0	0		0		0.00																									
Sub Total ==>		22,626	25,895		48,522		12	29,197	15	-10,982		-23,752		11.79																									
Internal Loads															Internal Loads																								
Lights		61,418	0		61,418		15	61,418	32	0		0		0.00																									
People		66,869	0		66,869		16	37,004	19	0		0		0.00																									
Misc		29,386	0		29,386		7	29,386	15	0		0		0.00																									
Sub Total ==>		157,673	0		157,673		37	127,807	67	0		0		0.00																									
Ceiling Load		7,897	-7,897		0		0	6,547	3	-4,816		0		0.00																									
Ventilation Load		0	0		152,251		36	0	0	0		-88,523		43.95																									
Adj Air Trans Heat		0	0		0		0	0	0	0		0		0																									
Dehumid. Ov Sizing		0	0		0		0	0	0	0		0		0.00																									
Ov/Undr Sizing		26,664	-4,242		26,664		6	26,904	14	1,288		1,288		-0.64																									
Exhaust Heat		0	0		-4,242		-1	0	0	-15,430		-15,430		7.66																									
Sup. Fan Heat		0	8,850		32,076		8	32,076	8	-74,981		-74,981		37.23																									
Ret. Fan Heat		0	8,850		8,850		2	0	0	0		0		0.00																									
Duct Heat PkUp		0	0		0		0	0	0	0		0		0.00																									
Underfir Sup Ht PkUp		0	0		0		0	0	0	0		0		0.00																									
Supply Air Leakage		0	0		0		0	0	0	0		0		0.00																									
Grand Total ==>		214,860	22,606		421,793		100.00	190,455	100.00	-15,798		-201,398		100.00																									
ENGINEERING CKS															ENGINEERING CKS																								
% OA		Cooling		Heating												Cooling		Heating																					
cfm/ft²		28.2		33.6												28.2		33.6																					
cfm/ton		264.23		264.23												264.23		264.23																					
ft²/ton		258.75		258.75												258.75		258.75																					
Btu/hr-ft²		46.38		46.38												46.38		46.38																					
No. People		147		147												147		147																					

ENGINEERING CKS

Cooling		Heating	
% OA	28.2	33.6	0.64
cfm/ft²	1.02	264.23	258.75
ft²/ton	46.38	147	-22.14
Btu/hr-ft²			
No. People			

HEATING COIL SELECTION

	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	-138.8	5,862	51.5	74.6
Aux Htg	0	0	0.0	0.0
Preheat	-62.6	2,616	28.2	51.5
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-201.4			

SYSTEM PSYCHROMETRIC STATE POINTS

By JBACE

RTU-ADM-2

Variable Volume Reheat (30% Min Flow Default)

	Dry Bulb °F	Wet Bulb °F	Relative Humidity %	Humidity Ratio gr/lb	Enthalpy Btu/lb	Temperature Difference °F
Space	75.0	55.8	29.7	41.7	24.5	
Main System						
Return Fan						1.2
Return Air	78.4	57.1	26.5	41.7	25.4	
Return Air Heat Pickup						2.3
Outdoor Air	96.5	59.9	9.2	25.7	27.2	
Entering OA preconditioning	96.5	59.9	9.2	25.7	27.2	
Leaving OA preconditioning	96.5	59.9	9.2	25.7	27.2	
Return/Outdoor Air Mix	83.5	57.9	20.1	37.2	25.9	
Blow Through Fan						0.0
Entering Coil	83.5	57.9	20.1	37.2	25.9	
Leaving Coil	51.5	44.8	60.4	37.1	18.1	
Draw Through Fan						1.1
Fan Frictional Heat						2.3
Supply Duct Heat Gain						0.0
Reheat Device						0.0
Cold Deck Supply Air	55.0	46.4	53.2	37.1	19.0	
Supply Air	55.0	46.4	53.2	37.1	19.0	

Percent Outside Air 28.17 %
Sensible Heat Ratio (SHR) 0.86
Coil Airflow 9,288 cfm

Warning: The psychrometric loop was unable to close to within an acceptable range. It is recommended that constraints be placed on the maximum/minimum supply air temperature on the 'Create Systems -- Temperatures' tab.

Load / Airflow Summary

By JBACE

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 Ctg	Htg
Alternative 1														
		3A229 - Existing Break Room	Rm Peak	11.8	28,537	35,251	1,085	12.29	543	50	-14,993	0	8.7	17.4
		3A231 - Male Toilet	Rm Peak	0.0	1,791	1,791	68	10.00	68	100	-1,440	0	0.0	0.0
		3A233 - Female Toilet	Rm Peak	0.0	1,791	1,791	68	10.00	68	100	-1,440	0	0.0	0.0
		3A331 - Public Restroom	Rm Peak	0.0	2,905	2,905	110	10.00	110	100	-2,337	0	0.0	0.0
		3A332 - Lactation	Rm Peak	2.0	6,020	7,504	259	17.65	130	50	-3,553	0	11.3	22.7
		3A333 - Waiting Room	Rm Peak	40.0	32,942	66,553	720	6.00	360	50	-7,979	0	100.0	100.0
		3A333 - Waiting Room Exterior	Rm Peak	4.5	7,900	15,750	246	18.23	123	50	-3,509	0	100.0	100.0
		3A333A - Playarea	Rm Peak	7.7	11,220	22,414	324	14.02	162	50	-4,620	0	100.0	100.0
		3A334 - Reception	Rm Peak	9.4	17,699	21,720	717	12.72	359	50	-9,268	0	9.7	19.4
		3A335 - Pharmacy	Rm Peak	0.8	2,695	4,103	72	4.23	36	50	-813	0	47.2	94.5
		3A336 - MGR	Rm Peak	3.0	4,350	5,744	158	9.66	79	50	-1,980	0	13.6	27.3
		3A337 - Treatment	Rm Peak	2.0	9,058	11,515	318	11.39	159	50	-4,066	0	17.6	35.1
		3A337A - Restroom	Rm Peak	0.0	2,251	2,251	86	10.00	86	100	-2,112	0	0.0	0.0
		3A338 - Treatment	Rm Peak	2.0	6,469	8,916	207	7.47	104	50	-2,487	0	26.8	53.6
		3A339 - Diet	Rm Peak	3.0	4,648	6,106	158	7.65	79	50	-1,735	0	14.7	29.4
		3A340 - Flex	Rm Peak	3.0	4,648	6,106	158	7.65	79	50	-1,735	0	14.7	29.4
		3A341 - Office #1	Rm Peak	3.0	4,698	6,160	160	7.63	80	50	-1,755	0	14.6	29.2
		3A342 - Office #2	Rm Peak	3.0	5,903	7,472	203	7.18	101	50	-2,225	0	13.0	26.0
		3A343 - Office #3	Rm Peak	3.0	5,928	7,499	203	7.18	102	50	-2,235	0	12.9	25.9
		3A344 - Office #4	Rm Peak	3.0	5,878	7,444	202	7.19	101	50	-2,215	0	13.0	26.0
		3A345 - Classroom	Rm Peak	15.8	11,361	19,563	334	7.06	167	50	-3,669	0	41.1	82.1
		3A346 - Exam	Rm Peak	2.0	4,830	6,779	148	7.05	74	50	-1,627	0	28.4	56.8
		3A346A - Toilet	Rm Peak	0.0	1,989	1,989	75	10.00	75	100	-1,600	0	0.0	0.0
		3A347 - Exam	Rm Peak	2.0	4,830	6,779	148	7.05	74	50	-1,627	0	28.4	56.8
		3A347A - Toilet	Rm Peak	0.0	1,989	1,989	75	10.00	75	100	-1,600	0	0.0	0.0
		3A348 - Exam	Rm Peak	2.0	4,710	6,614	144	7.08	72	50	-1,588	0	28.2	56.5
		3A348A - Toilet	Rm Peak	0.0	1,989	1,989	75	10.00	75	100	-1,600	0	0.0	0.0
		3A349 - Exam	Rm Peak	2.0	5,161	7,232	158	6.96	79	50	-1,735	0	28.7	57.5
		3A349A - Toilet	Rm Peak	0.0	1,989	1,989	75	10.00	75	100	-1,600	0	0.0	0.0
		3A350 - Bariatric / Tele Med RM	Rm Peak	2.0	5,243	7,417	159	6.59	79	50	-1,744	0	30.4	60.7
		3A350A - Toilet	Rm Peak	0.0	3,016	3,016	114	10.00	114	100	-2,431	0	0.0	0.0
		3A351 - Soil	Rm Peak	0.3	730	788	37	6.00	18	50	-409	0	0.0	0.0
		3A352 - Clean Linen	Rm Peak	0.8	2,791	4,249	74	4.23	37	50	-842	0	47.2	94.5
		3A353 - Supply	Rm Peak	0.0	353	503	17	3.33	9	50	-196	0	24.0	48.0
		3A354 - Storage	Rm Peak	0.0	270	385	13	3.33	7	50	-150	0	24.0	48.0

* This report does not display heating only systems.

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
	3A355 -	Mental Health Office	134	3.0	4,547	5,997	155	7.70	77	50	-1,696	0	14.9
	3A356 -	Mental Health Office	134	3.0	4,547	5,997	155	7.70	77	50	-1,696	0	14.9
	3A357 -	Social Worker	134	3.0	4,547	5,997	155	7.70	77	50	-1,696	0	14.9
	3A358 -	Exam Negative Pressure	141	2.0	4,860	6,820	149	7.04	74	50	-1,637	0	28.4
	3A358A -	Toilet	51	0.0	2,029	2,029	77	10.00	77	100	-1,632	0	0.0
	3A359 -	Exam	128	2.0	4,469	6,285	137	7.15	69	50	-1,509	0	28.0
	3A359A -	Toilet	50	0.0	1,989	1,989	75	10.00	75	100	-1,600	0	0.0
	3A360 -	Exam	144	2.0	4,951	6,944	151	7.01	76	50	-1,666	0	28.5
	3A360A -	Toilet	50	0.0	1,989	1,989	75	10.00	75	100	-1,600	0	0.0
	3A361 -	Exam	140	2.0	4,830	6,779	148	7.05	74	50	-1,627	0	28.4
	3A361A -	Toilet	50	0.0	1,989	1,989	75	10.00	75	100	-1,600	0	0.0
	3A362 -	Exam	154	2.0	5,252	7,355	160	6.94	80	50	-1,764	0	28.8
	3A362A -	Toilet	50	0.0	1,989	1,989	75	10.00	75	100	-1,600	0	0.0
	C3-13 -	Corridor	769	0.0	10,091	11,792	615	5.33	308	50	-6,863	0	7.5
	C3-14 -	Corridor	223	0.0	2,926	3,420	178	5.33	89	50	-1,990	0	7.5
	C3-15 -	Corridor	272	0.0	3,569	4,171	218	5.33	109	50	-2,427	0	7.5
	C3-16 -	Corridor	363	0.0	4,763	5,566	290	5.33	145	50	-3,239	0	7.5
	C3-17 -	Corridor	272	0.0	3,569	4,171	218	5.33	109	50	-2,427	0	7.5
	C3-20 Existing	Service Lobby	412	0.0	5,404	6,316	330	5.33	165	50	-5,626	0	7.5
RTU-ADM-2		Sys Peak	9,095	147.0	306,367	427,344	10,603				-138,813	0	28.2
RTU-ADM-2		Sys Block	9,095	147.0	295,470	421,793	9,288				-138,812	0	28.2

* This report does not display heating only systems.

ENGINEERING CHECKS

By JBACE

System Zone Room Type				Floor Area		COOLING				HEATING			
				ft²		% OA	cfm/ft²	cfm/ton	ft²/ton	Btu/hr-ft²	% OA	cfm/ft²	Btu/hr-ft²
Alternative 1													
	3A229	- Existing Break Room	Zone	589		8.68	1.84	369.5	200.5	59.85	17.36	0.92	-29.28
	3A231	- Male Toilet	Zone	45		0.00	1.50	452.4	301.6	39.79	0.00	1.50	-32.01
	3A233	- Female Toilet	Zone	45		0.00	1.50	452.4	301.6	39.79	0.00	1.50	-32.01
	3A331	- Public Restroom	Zone	73		0.00	1.50	452.4	301.6	39.79	0.00	1.50	-32.01
	3A332	- Lactation	Zone	98		11.33	2.65	415.0	156.7	76.57	22.66	1.32	-43.44
	3A333	- Waiting Room	Zone	800		100.00	0.90	129.8	144.2	83.19	100.00	0.45	-31.50
	3A333	- Waiting Room Exterior	Zone	90		100.00	2.73	187.5	68.6	175.01	100.00	1.37	-104.38
	3A333A	- Playarea	Zone	154		100.00	2.10	173.4	82.4	145.55	100.00	1.05	-80.32
	3A334	- Reception	Zone	376		9.70	1.91	396.3	207.7	57.77	19.40	0.95	-29.08
	3A335	- Pharmacy	Zone	113		47.23	0.64	209.9	330.5	36.31	94.46	0.32	-14.37
	3A336	- MGR	Zone	109		13.63	1.45	330.1	227.7	52.70	27.26	0.72	-22.90
	3A337	- Treatment	Zone	186		17.56	1.71	331.1	193.8	61.91	35.12	0.85	-29.04
	3A337A	- Restroom	Zone	57		0.00	1.50	455.7	303.8	39.50	0.00	1.50	-37.05
	3A338	- Treatment	Zone	185		26.79	1.12	278.8	249.0	48.19	53.58	0.56	-20.62
	3A339	- Diet	Zone	138		14.70	1.15	311.3	271.2	44.25	29.39	0.57	-16.61
	3A340	- Flex	Zone	138		14.70	1.15	311.3	271.2	44.25	29.39	0.57	-16.61
	3A341	- Office #1	Zone	140		14.61	1.14	312.0	272.7	44.00	29.22	0.57	-16.53
	3A342	- Office #2	Zone	188		12.98	1.08	325.3	301.9	39.74	25.95	0.54	-15.18
	3A343	- Office #3	Zone	189		12.95	1.08	325.5	302.4	39.68	25.90	0.54	-15.16
	3A344	- Office #4	Zone	187		13.00	1.08	325.1	301.4	39.81	26.01	0.54	-15.20
	3A345	- Classroom	Zone	315		41.05	1.06	204.7	193.2	62.10	82.11	0.53	-22.05
	3A346	- Exam	Zone	140		28.38	1.06	261.9	247.8	48.42	56.77	0.53	-18.80
	3A346A	- Toilet	Zone	50		0.00	1.50	452.4	301.6	39.79	0.00	1.50	-32.01
	3A347	- Exam	Zone	140		28.38	1.06	261.9	247.8	48.42	56.77	0.53	-18.80
	3A347A	- Toilet	Zone	50		0.00	1.50	452.4	301.6	39.79	0.00	1.50	-32.01
	3A348	- Exam	Zone	136		28.25	1.06	262.0	246.7	48.63	56.49	0.53	-18.85
	3A348A	- Toilet	Zone	50		0.00	1.50	452.4	301.6	39.79	0.00	1.50	-32.01
	3A349	- Exam	Zone	151		28.73	1.04	261.6	250.6	47.89	57.46	0.52	-18.66
	3A349A	- Toilet	Zone	50		0.00	1.50	452.4	301.6	39.79	0.00	1.50	-32.01
	3A350	- Bariatric / Tele Med RM	Zone	152		30.36	1.04	256.5	245.9	48.80	60.71	0.52	-19.05
	3A350A	- Toilet	Zone	72		0.00	1.58	453.5	286.4	41.89	0.00	1.58	-33.76
	3A351	- Soil	Zone	41		0.00	0.90	562.2	624.7	19.21	0.00	0.45	-9.97
	3A352	- Clean Linen	Zone	117		47.23	0.64	209.9	330.5	36.31	94.46	0.32	-14.37
	3A353	- Supply	Zone	34		24.00	0.50	405.4	810.8	14.80	47.99	0.25	-8.65
	3A354	- Storage	Zone	26		24.00	0.50	405.4	810.8	14.80	47.99	0.25	-8.65
	3A355	- Mental Health Office	Zone	134		14.88	1.16	309.9	268.2	44.75	29.75	0.58	-16.77
	3A356	- Mental Health Office	Zone	134		14.88	1.16	309.9	268.2	44.75	29.75	0.58	-16.77
	3A357	- Social Worker	Zone	134		14.88	1.16	309.9	268.2	44.75	29.75	0.58	-16.77
	3A358	- Exam Negative Pressure	Zone	141		28.42	1.06	261.9	248.1	48.37	56.83	0.53	-18.78

System	Zone	Room	Type	Floor Area ft²	COOLING				HEATING			
					% OA	cfm/ft²	cfm/ton	ft²/ton	Btu/hr-ft²	% OA	cfm/ft²	Btu/hr-ft²
	3A358A -	Toilet	Zone	51	0.00	1.50	452.4	301.6	39.79	0.00	1.50	-32.01
	3A359 -	Exam	Zone	128	27.95	1.07	262.3	244.4	49.10	55.90	0.54	-18.97
	3A359A -	Toilet	Zone	50	0.00	1.50	452.4	301.6	39.79	0.00	1.50	-32.01
	3A360 -	Exam	Zone	144	28.52	1.05	261.8	248.9	48.22	57.03	0.53	-18.75
	3A360A -	Toilet	Zone	50	0.00	1.50	452.4	301.6	39.79	0.00	1.50	-32.01
	3A361 -	Exam	Zone	140	28.38	1.06	261.9	247.8	48.42	56.77	0.53	-18.80
	3A361A -	Toilet	Zone	50	0.00	1.50	452.4	301.6	39.79	0.00	1.50	-32.01
	3A362 -	Exam	Zone	154	28.82	1.04	261.6	251.3	47.76	57.63	0.52	-18.63
	3A362A -	Toilet	Zone	50	0.00	1.50	452.4	301.6	39.79	0.00	1.50	-32.01
	C3-13 -	Corridor	Zone	769	7.50	0.80	626.0	782.6	15.33	15.00	0.40	-10.36
	C3-14 -	Corridor	Zone	223	7.50	0.80	626.0	782.6	15.33	15.00	0.40	-10.36
	C3-15 -	Corridor	Zone	272	7.50	0.80	626.0	782.6	15.33	15.00	0.40	-10.36
	C3-16 -	Corridor	Zone	363	7.50	0.80	626.0	782.6	15.33	15.00	0.40	-10.36
	C3-17 -	Corridor	Zone	272	7.50	0.80	626.0	782.6	15.33	15.00	0.40	-10.36
	C3-20 Existing	Service Lobby	Zone	412	7.50	0.80	626.2	782.8	15.33	15.00	0.40	-15.09
RTU-ADM-2			System - Variable Volume Reheat (30% Min Flow Default)	9,095	28.17	1.02	264.2	258.8	46.38	33.63	0.64	-22.14

Room Checksums

By JBACE

3A229 - Existing Break Room

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES			
Peaked at Time: Outside Air:				Mo/Hr: 8 / 17 OADB/WB/HR: 93 / 73 / 99				Mo/Hr: 7 / 17 OADB: 107				Mo/Hr: Heating Design OADB: 28			
Sens. + Lat.		Space	Plenum	Net	Percent	Space	Percent	Space Peak		Coil Peak	Percent	Cooling		Heating	
Btu/h		Btu/h	Sens. + Lat. Btu/h	Total Btu/h	Of Total (%)	Sensible Btu/h	Of Total (%)	Space Sens Btu/h	Tot Sens Btu/h		Of Total (%)	cfm		°F	
Envelope Loads															
Skylite Solar		0	0	0	0	0	0	0	0	0	0.00	SADB		78.5	
Skylite Cond		0	0	0	0	0	0	0	0	0	0.00	Ra Plenum		70.3	
Roof Cond		0	1,438	1,438	4	0	0	0	-827	4.79	0.00	Return		63.0	
Glass Solar		10,671	0	10,671	30	10,683	48	0	0	0.00	0.00	Ret/OA		0.0	
Glass/Door Cond		993	0	993	3	1,748	8	-2,591	-2,591	15.02	15.02	Fn MtrTD		0.0	
Wall Cond		1,132	0	1,132	3	1,324	6	-701	-701	4.07	4.07	Fn BldTD		0.0	
Partition/Door		0	0	0	0	0	0	0	0	0.00	0.00	Fn Frict		0.0	
Floor		0	0	0	0	0	0	0	0	0.00	0.00				
Adjacent Floor		0	0	0	0	0	0	0	0	0.00	0.00				
Infiltration		0	0	0	0	0	0	0	0	0.00	0.00				
Sub Total/ ==>		12,797	1,438	14,235	40	13,755	62	-3,292	-4,119	23.88	23.88				
Internal Loads															
Lights		3,015	0	3,015	9	3,015	14	0	0	0.00	0.00				
People		6,479	0	6,479	18	3,240	15	0	0	0.00	0.00				
Misc		1,707	0	1,707	5	1,707	8	0	0	0.00	0.00				
Sub Total/ ==>		11,201	0	11,201	32	7,961	36	0	0	0.00	0.00				
Ceiling Load		437	-437	0	0	542	2	-312	0	0.00	0.00				
Ventilation Load		0	0	5,253	15	0	0	0	-4,232	24.54	24.54				
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	0.00	0.00				
Exhaust Heat		0	-338	-338	-1	0	0	0	161	-0.94	-0.94				
Sup. Fan Heat		0	1,225	3,675	10	0	0	0	-8,643	50.11	50.11				
Ret. Fan Heat		0	0	1,225	3	0	0	0	-415	2.40	2.40				
Duct Heat PkUp		0	0	0	0	0	0	0	0	0.00	0.00				
Underflr Sup Ht PkUp		0	0	0	0	0	0	0	0	0.00	0.00				
Supply Air Leakage		0	0	0	0	0	0	0	0	0.00	0.00				
Grand Total/ ==>		24,435	1,888	35,251	100.00	22,258	100.00	-3,604	-17,248	100.00	100.00				
												ENGINEERING CKS			
% OA		Cooling		Heating											
cfm/ft²		8.7		17.4											
cfm/ton		369.49		0.92											
ft³/ton		200.51													
Btu/hr-ft²		59.85		-29.28											
No. People		12													
												HEATING COIL SELECTION			
Capacity		Coil Airflow		Ent											
MBh		cfm		°F											
Main Clg		543		78.5											
Aux Clg		0		0.0											
Opt Vent		94		28.2											
Total/		0		0.0											

ENGINEERING CKS

% OA	Cooling	Heating
8.7	8.7	17.4
cfm/ft²	1.84	0.92
cfm/ton	369.49	
ft²/ton	200.51	
Btu/hr-ft²	59.85	-29.28
No. People	12	

COOLING COIL SELECTION

Total Capacity ton	Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR °F	Leave DB/WB/HR °F	gr/lb
Main Clg	2.9	35.3	28.5	1,034	79.9
Aux Clg	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0.0	0.0
Total	2.9	35.3			

AREAS

Gross Total	Glass ft²	(%)
Floor	589	
Part	0	
Int Door	0	
ExFlr	0	
Roof	589	
Wall	557	
Ext Door	0	

HEATING COIL SELECTION

Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-15.0	543	51.5
Aux Htg	0.0	0	0.0
Preheat	-2.3	94	28.2
Humidif	0.0	0	0.0
Opt Vent	0.0	0	0.0
Total	-17.3		

Room Checksums

By JBACE

3A231 - Male Toilet

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES			
Peaked at Time: Outside Air:				Mo/Hr: 8 / 14 OADB/WB/HR: 95 / 73 / 99				Mo/Hr: Heating Design OADB: 28				SADB			
Sens. + Lat.	Space	Plenum	Net	Space	Percent	Space	Percent	Space Peak	Coil Peak	Percent		Cooling	Heating		
Btu/h	Btu/h	Btu/h	Total	Sensible	Of Total	Btu/h	Of Total	Space Sens	Tot Sens	Of Total					
			Btu/h		(%)		(%)	Btu/h	Btu/h	(%)					
Envelope Loads															
SkyLite Solar	0	0	0	0	0	0	0	0	0	0.00		55.0	72.3		
SkyLite Cond	0	0	0	0	0	0	0	0	0	0.00		77.7	70.3		
Roof Cond	0	125	125	0	7	0	0	0	-63	4.39		78.9	70.3		
Glass Solar	0	0	0	0	0	0	0	0	0	0.00		78.9	70.3		
Glass/Door Cond	0	0	0	0	0	0	0	0	0	0.00		0.4	0.0		
Wall Cond	0	0	0	0	0	0	0	0	0	0.00		0.8	0.0		
Partition/Door	0	0	0	0	0	0	0	0	0	0.00		2.3	0.0		
Floor	0	0	0	0	0	0	0	0	0	0.00					
Adjacent Floor	0	0	0	0	0	0	0	0	0	0.00					
Infiltration	0	0	0	0	0	0	0	0	0	0.00					
Sub Total/ ==>	0	125	125	0	7	0	0	0	-63	4.39					
Internal Loads															
Lights	230	0	230	0	13	230	17	0	0	0.00		68	68		
People	0	0	0	0	0	0	0	0	0	0.00		68	68		
Misc	0	0	0	0	0	0	0	0	0	0.00		68	68		
Sub Total/ ==>	230	0	230	0	13	230	17	0	0	0.00					
Ceiling Load	39	-39	0	0	0	47	3	-24	0	0.00					
Ventilation Load	0	0	0	0	0	0	0	0	0	0.00					
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0.00					
Dehumid. Ov Sizing	1,115	0	1,115	0	62	1,107	80	0	0	0.00					
Ov/Undr Sizing															
Exhaust Heat															
Sup. Fan Heat		80	240	0	13										
Ret. Fan Heat		0	80	0	4										
Duct Heat PkUp		0	0	0	0										
Underflr Sup Ht PkUp		0	0	0	0										
Supply Air Leakage		0	0	0	0										
Grand Total/ ==>	1,384	166	1,790	100.00		1,384	100.00	-24	-1,440	100.00					

AIRFLOWS			
	Cooling	Heating	
Diffuser	68	68	
Terminal	68	68	
Main Fan	68	68	
Sec Fan	0	0	
Nom Vent	0	0	
AHU Vent	0	0	
Infil	0	0	
MinStop/Rh	68	68	
Return	68	68	
Exhaust	0	0	
Rm Exh	0	0	
Auxiliary	0	0	
Leakage Dwn	0	0	
Leakage Ups	0	0	

ENGINEERING CKS			
	Cooling	Heating	
% OA	0.0	0.0	
cfm/ft²	1.50	1.50	
cfm/ton	452.38		
ft²/ton	301.59		
Btu/hr-ft²	39.79	-32.01	
No. People	0		

HEATING COIL SELECTION			
Capacity	Coil Airflow	Ent	Lvg
MBh	cfm	°F	°F
Main Htg	-1.4	68	51.5
Aux Htg	0.0	0	0.0
Preheat	0.0	0	0.0
Humidif	0.0	0	0.0
Opt Vent	0.0	0	0.0
Total	-1.4		

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

COOLING COIL SELECTION			
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR
ton	MBh	cfm	°F
Main Clg	0.2	1.8	68
Aux Clg	0.0	0.0	0
Opt Vent	0.0	0.0	0
Total	0.2	1.8	

Room Checksums

By JBACE

3A233 - Female Toilet

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES			
Peaked at Time: Outside Air:				Mo/Hr: 8 / 14 OADB/WB/HR: 95 / 73 / 99				Mo/Hr: Heating Design OADB: 28				SADB			
Sens. + Lat.	Space	Plenum	Net	Space	Percent	Space	Percent	Space Peak	Coil Peak	Percent		Cooling	Heating		
Sens. + Lat.	Btu/h	Sens. + Lat.	Total	Sensible	Of Total	Btu/h	Of Total	Space Sens	Tot Sens	Of Total					
Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)					
Envelope Loads															
Skylite Solar	0	0	0	0	0	0	0	0	0	0.00					
Skylite Cond	0	0	0	0	0	0	0	0	0	0.00					
Roof Cond	0	125	125	0	7	0	0	0	-63	4.39					
Glass Solar	0	0	0	0	0	0	0	0	0	0.00					
Glass/Door Cond	0	0	0	0	0	0	0	0	0	0.00					
Wall Cond	0	0	0	0	0	0	0	0	0	0.00					
Partition/Door	0	0	0	0	0	0	0	0	0	0.00					
Floor	0	0	0	0	0	0	0	0	0	0.00					
Adjacent Floor	0	0	0	0	0	0	0	0	0	0.00					
Infiltration	0	0	0	0	0	0	0	0	0	0.00					
Sub Total/ ==>	0	125	125	0	7	0	0	0	-63	4.39					
Internal Loads															
Lights	230	0	230	0	13	230	17	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/ ==>	230	0	230	0	13	230	17	0	0	0.00					
Ceiling Load	39	-39	0	0	0	47	3	-24	0	0.00					
Ventilation Load	0	0	0	0	0	0	0	0	0	0.00					
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0.00					
Dehumid. Ov Sizing	1,115	0	1,115	62	80	1,107	80	0	0	0.00					
Ov/Undr Sizing															
Exhaust Heat															
Sup. Fan Heat	80	80	240	13	4	80	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	0	0.00					
Underflr Sup Ht PkUp	0	0	0	0	0	0	0	0	0	0.00					
Supply Air Leakage	0	0	0	0	0	0	0	0	0	0.00					
Grand Total/ ==>	1,384	166	1,790	100.00		1,384	100.00	-24	-1,440	100.00					
ENGINEERING CKS															
% OA												Cooling	Heating		
cfm/ft²												0.0	0.0		
cfm/ton												1.50	1.50		
ft²/ton												452.38	301.59		
Btu/hr-ft²												39.79	-32.01		
No. People												0	0		

COOLING COIL SELECTION				HEATING COIL SELECTION			
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Gross Total	Glass	Main Htg	Lvg
ton	MBh	cfm	°F gr/lb		ft² (%)	Aux Htg	°F
0.2	1.8	68	78.9 57.3	45		Preheat	72.3
0.0	0.0	0	0 0.0 0.0	0			0.0
0.0	0.0	0	0 0.0 0.0	0			0.0
0.2	1.8			45	0	Humidif	0.0
				0	0	Opt Vent	0.0
				0	0	Total	-1.4

Room Checksums

By JBACE

3A331 - Public Restroom

COOLING COIL PEAK										CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES				
Peaked at Time: Outside Air:					Mo/Hr: 8 / 14 OADB/WB/HR: 95 / 73 / 99					Mo/Hr: 7 / 15 OADB: 109					Mo/Hr: Heating Design OADB: 28									
Sens. + Lat.		Space	Plenum		Net		Percent		Space		Percent		Space Peak		Coil Peak		Percent							
Btu/h		Btu/h	Sens. + Lat Btu/h		Total Btu/h		Of Total (%)		Sensible Btu/h		Of Total (%)		Space Sens Btu/h		Tot Sens Btu/h		Of Total (%)							
Envelope Loads																								
0		0	0		0		0		0		0		0		0		0							
0		0	0		0		0		0		0		0		0		0							
0		0	203		203		7		0		0		0		-103		4.39							
0		0	0		0		0		0		0		0		0		0							
0		0	0		0		0		0		0		0		0		0							
0		0	0		0		0		0		0		0		0		0							
0		0	0		0		0		0		0		0		0		0							
0		0	0		0		0		0		0		0		0		0							
0		0	0		0		0		0		0		0		0		0							
0		0	0		0		0		0		0		0		0		0							
0		0	0		0		0		0		0		0		0		0							
0		0	0		0		0		0		0		0		0		0							
0		0	0		0		0		0		0		0		0		0							
0		0	0		0		0		0		0		0		0		0							
0		0	0		0		0		0		0		0		0		0							
0		0	0		0		0		0		0		0		0		0							
0		0	0		0		0		0		0		0		0		0							
0		0	0		0		0		0		0		0		0		0							
0		0	0		0		0		0		0		0		0		0							
0		0	0		0		0		0		0		0		0		0							
0		0	0		0		0		0		0		0		0		0							
0		0	0		0		0		0		0		0		0		0							
0		0	0		0		0		0		0		0		0		0							
0		0	0		0		0		0		0		0		0		0							
0		0	0		0		0		0		0		0		0		0							
0		0	0		0		0		0		0		0		0		0							
0		0	0		0		0		0		0		0		0		0							
0		0	0		0		0		0		0		0		0		0							
0		0	0		0		0		0		0		0		0		0							
0		0	0		0		0		0		0		0		0		0							
0		0	0		0		0		0		0		0		0		0							
0		0	0		0		0		0		0		0		0		0							
0		0	0		0		0		0		0		0		0		0							
0		0	0		0		0		0		0		0		0		0							
0		0	0		0		0		0		0		0		0		0							
0		0	0		0		0		0		0		0		0		0							
0		0	0		0		0		0		0		0		0		0							
0		0	0		0		0		0		0		0		0		0							
0		0	0		0		0		0		0		0		0		0							
0		0	0		0		0		0		0		0		0		0							
0		0	0		0		0		0		0		0		0		0							
0		0	0		0		0		0		0		0		0		0							
0		0	0		0		0		0		0		0		0		0							
0		0	0		0		0		0		0		0		0		0							
0		0	0		0		0		0		0		0		0		0							
0		0	0		0		0		0		0		0		0		0							
0		0	0		0		0		0		0		0		0									

COOLING COIL SELECTION				AREAS				HEATING COIL SELECTION			
Total Capacity ton	Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR °F	Gross Total	Glass ft²	(%)		Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
0.2	2.9	110	78.9	73	0	0	Floor	-2.3	110	51.5	72.3
0.0	0.0	0	0.0	0	0	0	Part	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
0.2	2.9	0	0.0	73	0	0	Roof	0.0	0	0.0	0.0
				0	0	0	Wall	0.0	0	0.0	0.0
				0	0	0	Ext Door	-2.3			

Room Checksums

By JBACE

3A332 - Lactation

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES			
Peaked at Time: Outside Air:				Mo/Hr: 8 / 14 OADB/WB/HR: 95 / 73 / 99				Mo/Hr: 10 / 14 OADB: 87				Mo/Hr: Heating Design OADB: 28			
Sens. + Lat.		Space	Plenum	Net		Percent	Space		Space Peak		Coil Peak		Percent		
Sens. + Lat.		Btu/h	Sens. + Lat.	Total		Of Total	Sensible		Space Sens		Tot Sens		Of Total		
Btu/h		Btu/h	Btu/h	Btu/h		(%)	Btu/h		Btu/h		Btu/h		(%)		
Envelope Loads															
Skylite Solar		0	0	0		0	0		0		0		0		
Skylite Cond		0	0	0		0	0		0		0		0		
Roof Cond		0	271	271		4	0		0		-138		3.23		
Glass Solar		1,587	0	1,587		21	2,737		0		0		0		
Glass/Door Cond		229	0	229		3	113		-613		-613		14.40		
Wall Cond		202	0	202		3	247		-166		-166		3.90		
Partition/Door		0	0	0		0	0		0		0		0		
Floor		0	0	0		0	0		0		0		0		
Adjacent Floor		0	0	0		0	0		0		0		0		
Infiltration		0	0	0		0	0		0		0		0		
Sub Total / ==>		2,018	271	2,289		30	3,097		-779		-916		21.53		
Internal Loads															
Lights		1,003	0	1,003		13	1,003		0		0		0		
People		900	0	900		12	500		0		0		0		
Misc		669	0	669		9	669		0		0		0		
Sub Total / ==>		2,572	0	2,572		34	2,172		0		0		0		
Ceiling Load		84	-84	0		0	52		-52		0		0		
Ventilation Load		0	0	1,689		23	0		0		-1,320		31.02		
Adj Air Trans Heat		0	0	0		0	0		0		0		0		
Dehumid. Ov Sizing		0	0	0		0	0		0		0		0		
Ov/Undr Sizing		0	0	0		0	0		0		0		0		
Exhaust Heat		0	0	0		0	0		0		0		0		
Sup. Fan Heat		212	212	741		10	0		-1,934		-1,934		45.43		
Ret. Fan Heat		0	0	212		3	0		-86		-86		2.03		
Duct Heat PkUp		0	0	0		0	0		0		0		0		
Underflr Sup Ht PkUp		0	0	0		0	0		0		0		0		
Supply Air Leakage		0	0	0		0	0		0		0		0		
Grand Total / ==>		4,675	398	7,504		100.00	5,321		-831		-4,257		100.00		
COOLING COIL SELECTION															
Total Capacity		Sens Cap.		Coil Airflow		Enter DB/WB/HR		Leave DB/WB/HR		AREAS					
ton		MBh		cfm		°F		°F		Gross Total		Glass		Heating Coil Selection	
												ft²		Capacity	
												%		Coil Airflow	
														Ent	
														°F	
														°F	
Main Clg		0.6	7.5	6.0	208	81.2	59.9	49.8	51.5	45.9	98	0	-3.6	130	51.5
Aux Clg		0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	0	0.0
Opt Vent		0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0	-0.7	29	28.2
Total		0.6	7.5								0	0	0.0	0	0.0
											98	0	0.0	0	0.0
											132	47	35	0	0.0
											0	0		-4.3	0.0

By JBACE

COOLING COIL PEAK

Mo/Hr: 8 / 15
OADB/WB/HR: 96 / 73 / 99

Mo/Hr: 7 / 15
OADB: 109

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 28

HEATING COIL PEAK

Peaked at Time: Outside Air:				Mo/Hr: 8 / 15 OADB/WB/HR: 96 / 73 / 99		Mo/Hr: 7 / 15 OADB: 109		Mo/Hr: Heating Design OADB: 28	
	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 (%)
Envelope Loads									
Skylite Solar	0	0	0	0	0	0	0	0	0.00
Skylite Cond	0	0	0	0	0	0	0	0	0.00
Roof Cond	0	2,281	2,281	3	0	0	0	-1,123	4.46
Glass Solar	0	0	0	0	0	0	0	0	0.00
Glass/Door Cond	0	0	0	0	0	0	0	0	0.00
Wall Cond	0	0	0	0	0	0	0	0	0.00
Partition/Door	0		0	0	0	0	0	0	0.00
Floor	0		0	0	0	0	0	0	0.00
Adjacent Floor	0	0	0	0	0	0	0	0	0.00
Infiltration	0		0	0	0	0	0	0	0.00
Sub Total ==>	0	2,281	2,281	3	0	0	0	-1,123	4.46
Internal Loads									
Lights	3,550	0	3,550	5	3,550	24	0	0	0.00
People	18,000	0	18,000	27	10,000	68	0	0	0.00
Misc	0	0	0	0	0	0	0	0	0.00
Sub Total ==>	21,550	0	21,550	32	13,550	92	0	0	0.00
Ceiling Load	695	-695	0	0	829	6	-424	0	0.00
Ventilation Load	0	0	40,425	61	0	0	0	-16,167	64.15
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	386	3		0	0.00
Exhaust Heat		-203	-203	0				-8,612	34.17
Sup. Fan Heat		30	2,470	4				0	0.00
Ret. Fan Heat		0	30	0				0	0.00
Duct Heat PkUp			0	0				700	-2.78
Underflr Sup Ht PkUp			0	0				0	0.00
Supply Air Leakage		0	0	0				0	0.00
Grand Total ==>	22,244	1,414	66,553	100.00	14,765	100.00	-424	-25,203	100.00

	Cooling	Heating
SADB	55.0	73.2
Ra Plenum	77.7	70.3
Return	78.9	70.3
Ret/OA	95.8	28.2
Fn MtrTD	0.4	0.0
Fn BldTD	0.8	0.0
Fn Frict	2.3	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	720	360
Terminal	720	360
Main Fan	720	360
Sec Fan	0	0
Nom Vent	720	360
AHU Vent	720	360
Infil	0	0
MinStop/Rh	360	360
Return	0	0
Exhaust	0	0
Rm Exh	720	360
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	100.0	100.0
cfm/ft ²	0.90	0.45
cfm/ton	129.82	
ft ² /ton	144.25	
Btu/hr-ft ²	83.19	-31.50
No. People	40	

COOLING COIL SELECTION

	Total Capacity ton	Sens Cap. MBh	Coil Airflow cfm	Enter DBWB/HR °F °F	gr/lb	Leave DBWB/HR °F °F	gr/lb
Main Clg	5.6	66.6	32.9	95.8	73.4	51.5	40.1
Aux Clg	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
Total	5.6	66.6					

AREAS

	Gross Total	Glass T ₁ ² (%)
Floor	800	
Part	0	
Int Door	0	
ExFlr	0	
Roof	800	0
Wall	0	0
Ext Door	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-8.0	360	51.5	73.2
Aux Htg	0.0	0	0.0	0.0
Preheat	-17.2	720	28.2	51.5
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-25.2			

Room Checksums

By JBACE

3A333 - Waiting Room Exterior

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES			
Peaked at Time: Outside Air:				Mo/Hr: 8 / 14 OADB/WB/HR: 95 / 73 / 99				Mo/Hr: 10 / 14 OADB: 87				SADB			
Sens. + Lat.	Space	Plenum	Net	Percent	Space	Percent	Space Peak	Coil Peak	Percent	Space Peak	Coil Peak	Heating	Heating	Heating	Heating
Sens. + Lat.	Sens. + Lat.	Sens. + Lat.	Total	Of Total	Sensible	Of Total	Sens	Tot Sens	Of Total	Sens	Tot Sens	55.0	79.4	79.4	79.4
Btu/h	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	77.7	70.3	70.3	70.3
Envelope Loads	0	0	0	0	0	0	0	0	0.00	0	0	78.9	70.3	70.3	70.3
Skyli Solar	0	0	0	0	0	0	0	0	0.00	0	0	95.1	28.2	28.2	28.2
Skyli Cond	0	0	0	0	0	0	0	0	0.00	0	0	0.4	0.0	0.0	0.0
Roof Cond	0	248	248	2	0	0	0	-126	0.00	0	-126	0.8	0.0	0.0	0.0
Glass Solar	1,777	0	1,777	11	3,068	61	-692	-692	7.37	-692	-692	2.3	0.0	0.0	0.0
Glass/Door Cond	258	0	258	2	127	3	-187	-187	1.99	-187	-187				
Wall Cond	228	0	228	1	279	6	0	0	0.00	0	0				
Partition/Door	0	0	0	0	0	0	0	0	0.00	0	0				
Floor	0	0	0	0	0	0	0	0	0.00	0	0				
Adjacent Floor	0	0	0	0	0	0	0	0	0.00	0	0				
Infiltration	0	0	0	0	0	0	0	0	0.00	0	0				
Sub Total ==>	2,264	248	2,512	16	3,474	69	-879	-1,006	10.70	-879	-1,006				
Internal Loads				Internal Loads								AIRFLOWS			
Lights	399	0	399	3	399	8	0	0	0.00	0	0	Diffuser	246	123	123
People	2,025	0	2,025	13	1,125	22	0	0	0.00	0	0	Terminal	246	123	123
Misc	0	0	0	0	0	0	0	0	0.00	0	0	Main Fan	246	123	123
Sub Total ==>	2,424	0	2,424	15	1,524	30	0	0	0.00	0	0	Sec Fan	0	0	0
Ceiling Load	77	-77	0	0	47	1	-48	0	0.00	-48	0	Nom Vent	246	123	123
Ventilation Load	0	0	10,832	69	0	0	0	-5,525	58.81	0	-5,525	AHU Vent	246	123	123
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	Infil	0	0	0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0	0.00	0	0	MinStop/Rh	123	123	123
Ov/Undr Sizing	0	0	0	0	0	0	0	0	0.00	0	0	Return	165	42	42
Exhaust Heat	-884	-884	-884	-6	0	0	0	0	0.00	0	0	Exhaust	165	42	42
Sup. Fan Heat	196	196	670	4	0	0	0	0	0.00	0	0	Rm Exh	81	81	81
Ret. Fan Heat	0	0	196	1	0	0	0	0	0.00	0	0	Auxiliary	0	0	0
Duct Heat PkUp	0	0	0	0	0	0	0	0	0.00	0	0	Leakage Dwn	0	0	0
Underflr Sup Ht PkUp	0	0	0	0	0	0	0	0	0.00	0	0	Leakage Ups	0	0	0
Supply Air Leakage	0	0	0	0	0	0	0	0	0.00	0	0				
Grand Total ==>	4,766	-517	15,750	100.00	5,045	100.00	-927	-9,395	100.00	-927	-9,395				
COOLING COIL SELECTION				COOLING COIL SELECTION				HEATING COIL SELECTION				ENGINEERING CKS			
Total Capacity	Sens Cap.	Coil Airflow	Enter	Leave	Total	Gross	DB/WB/HR	DB/WB/HR	DB/WB/HR	Capacity	Coil Airflow	Ent	Lvg		
ton	MBh	cfm	°F	°F	ft²	(%)	gr/lb	gr/lb	gr/lb	MBh	cfm	°F	°F		
Main Clg	1.3	15.8	7.9	95.1	73.2	98.9	51.5	45.5	39.5	-3.5	123	51.5	79.4		
Aux Clg	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-5.9	246	28.2	51.5		
Total	1.3	15.8								0.0	0	0.0	0.0		
										0.0	0	0.0	0.0		
										0.0	0	0.0	0.0		
										-9.4					

Room Checksums

By JBACE

3A333A - Playarea

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES			
Peaked at Time: Outside Air:				Mo/Hr: 8 / 14 OADB/WB/HR: 95 / 73 / 99				Mo/Hr: Heating Design OADB: 28				SADB			
Sens. + Lat.	Space	Plenum	Net	Space	Percent	Space	Percent	Space Peak	Coil Peak	Percent		Cooling	Heating		
Btu/h	Btu/h	Btu/h	Total	Sensible	Of Total	Btu/h	Of Total	Space Sens	Tot Sens	Of Total					
			Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)					
Envelope Loads															
SkyLite Solar	0	0	0	0	0	0	0	0	0	0.00					
SkyLite Cond	0	0	0	0	0	0	0	0	0	0.00					
Roof Cond	0	423	0	423	2	0	0	0	-216	1.75					
Glass Solar	1,863	0	1,863	0	8	3,218	48	0	0	0.00					
Glass/Door Cond	274	0	274	0	1	134	2	-735	-735	5.95					
Wall Cond	492	0	492	0	2	600	9	-404	-404	3.27					
Partition/Door	0	0	0	0	0	0	0	0	0	0.00					
Floor	0	0	0	0	0	0	0	0	0	0.00					
Adjacent Floor	0	0	0	0	0	0	0	0	0	0.00					
Infiltration	0	0	0	0	0	0	0	0	0	0.00					
Sub Total / ==>	2,629	423	3,052	14	60	3,953	60	-1,139	-1,355	10.96					
Internal Loads															
Lights	683	0	683	0	3	683	10	0	0	0.00					
People	3,465	0	3,465	0	15	1,925	29	0	0	0.00					
Misc	0	0	0	0	0	0	0	0	0	0.00					
Sub Total / ==>	4,148	0	4,148	19	39	2,608	39	0	0	0.00					
Ceiling Load	133	-133	0	0	0	81	1	-82	0	0.00					
Ventilation Load	0	0	15,045	67	0	0	0	0	-7,273	58.80					
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	-982	0	0	-4	0	0	0	40	-0.32					
Exhaust Heat	0	0	0	0	0	0	0	0	-3,875	31.32					
Sup. Fan Heat	220	220	931	4	1	0	0	0	0	0.00					
Ret. Fan Heat	0	0	0	0	0	0	0	95	0	-0.76					
Duct Heat PkUp	0	0	0	0	0	0	0	0	0	0.00					
Underflr Sup Ht PkUp	0	0	0	0	0	0	0	0	0	0.00					
Supply Air Leakage	0	0	0	0	0	0	0	0	0	0.00					
Grand Total / ==>	6,909	-472	22,414	100.00	100.00	6,642	100.00	-1,221	-12,369	100.00					
ENGINEERING CKS															
% OA												Cooling	Heating		
												100.0	100.0		
cfm/ft²												2.10	1.05		
cfm/ton												173.42			
ft²/ton												82.45			
Btu/hr-ft²												145.55	-80.32		
No. People												8			

COOLING COIL SELECTION				AREAS				HEATING COIL SELECTION			
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Gross Total	Glass	Leave DB/WB/HR		Capacity	Coil Airflow	Ent	Lvg
ton	MBh	cfm	°F gr/lb		ft² (%)	°F gr/lb		MBh	cfm	°F	°F
Main Clg	1.9	22.4	11.2	154		51.5	44.6				
Aux Clg	0.0	0.0	0.0	0		0.0	0.0				
Opt Vent	0.0	0.0	0.0	0		0.0	0.0				
Total	1.9	22.4	11.2	154	0	51.5	44.6	Main Htg	-4.6	162	51.5
								Aux Htg	0.0	0	0.0
								Preheat	-7.8	324	28.2
								Humidif	0.0	0	0.0
								Opt Vent	0.0	0	0.0
								Total	-12.4		

Room Checksums

By JBACE

3A334 - Reception

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES				
Peaked at Time: Outside Air:				Mo/Hr: 8 / 14 OADB/WB/HR: 95 / 73 / 99				Mo/Hr: 10 / 14 OADB: 87				Mo/Hr: Heating Design OADB: 28				
Sens. + Lat.	Space	Plenum	Net	Percent	Space	Percent	Envelope Loads	Space Peak	Coil Peak	Percent	SADB	Cooling	Heating			
Sens. + Lat.	Btu/h	Sens. + Lat.	Total	Of Total	Sensible	Of Total		Space Sens	Tot Sens	Of Total	Plenum					
Btu/h	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)		Btu/h	Btu/h	(%)						
Envelope Loads																
SkyLite Solar	0	0	0	0	0	0	SkyLite Solar	0	0	0.00		55.0	76.7			
SkyLite Cond	0	0	0	0	0	0	SkyLite Cond	0	0	0.00		77.7	70.3			
Roof Cond	0	1,040	1,040	5	0	0	Roof Cond	0	-528	4.83		78.9	70.3			
Glass Solar	2,852	0	2,852	13	4,917	33	Glass Solar	-1,092	-1,092	9.99		80.7	62.2			
Glass/Door Cond	409	0	409	2	201	1	Glass/Door Cond	-451	-451	4.13		0.4	0.0			
Wall Cond	551	0	551	3	673	5	Wall Cond	0	0	0.00		0.8	0.0			
Partition/Door	0	0	0	0	0	0	Partition/Door	0	0	0.00		2.3	0.0			
Floor	0	0	0	0	0	0	Floor	0	0	0.00						
Adjacent Floor	0	0	0	0	0	0	Adjacent Floor	0	0	0.00						
Infiltration	0	0	0	0	0	0	Infiltration	0	0	0.00						
Sub Total / ==>	3,812	1,040	4,852	22	5,791	39	Sub Total / ==>	-1,543	-2,071	18.94						
Internal Loads				Internal Loads								AIRFLOWS				
Lights	3,850	0	3,850	18	3,850	26	Lights	0	0	0.00		Diffuser	717	359		
People	3,760	0	3,760	17	2,303	16	People	0	0	0.00		Terminal	717	359		
Misc	2,567	0	2,567	12	2,567	17	Misc	0	0	0.00		Main Fan	717	359		
Sub Total / ==>	10,176	0	10,176	47	8,719	59	Sub Total / ==>	-199	-3,124	28.57		Sec Fan	0	0		
Ceiling Load	324	-324	0	0	198	1	Ceiling Load	0	0	0.00		Nom Vent	70	70		
Ventilation Load	0	0	3,997	18	0	0	Ventilation Load	0	0	0.00		AHU Vent	70	70		
Adj Air Trans Heat	0	0	0	0	0	0	Adj Air Trans Heat	0	0	0		Infil	0	0		
Dehumid. Ov Sizing	0	0	0	0	0	0	Ov/Undr Sizing	0	0	0.00		MinStop/Rh	359	359		
Ov/Undr Sizing	-276	-276	0	-1	0	0	Exhaust Heat	0	119	-1.09		Return	717	359		
Exhaust Heat	2,229	743	2,229	10	0	0	OA Preheat Diff.	-5,571	-5,571	50.96		Exhaust	70	70		
Ret. Fan Heat	743	0	743	3	0	0	RA Preheat Diff.	-286	-286	2.61		Rm Exh	0	0		
Duct Heat PkUp	0	0	0	0	0	0	Additional Reheat	0	0	0.00		Auxiliary	0	0		
Underflr Sup Ht PkUp	0	0	0	0	0	0	System Plenum Heat	0	0	0.00		Leakage Dwn	0	0		
Supply Air Leakage	0	0	0	0	0	0	Underflr Sup Ht PkUp	0	0	0.00		Leakage Ups	0	0		
Grand Total / ==>	14,312	1,183	21,720	100.00	14,709	100.00	Grand Total / ==>	-1,742	-10,932	100.00						
COOLING COIL SELECTION				COOLING COIL SELECTION				HEATING COIL SELECTION				ENGINEERING CKS				
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	gr/lb		(%)	ft²	MBh	cfm	°F	°F		
Main Clg	1.8	21.7	17.7	80.7	59.4	48.1	51.5	45.8	376	0	-9.3	359	51.5	76.7		
Aux Clg	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	-1.7	70	28.2	51.5		
Total	1.8	21.7							376	0	0.0	0	0.0	0.0		
									315	83	0.0	0	0.0	0.0		
									0	0	-10.9					

Room Checksums

By JBACE

3A335 - Pharmacy

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES			
Peaked at Time: Outside Air:				Mo/Hr: 8 / 15 OADB/WB/HR: 96 / 73 / 99				Mo/Hr: 7 / 15 OADB: 109				Mo/Hr: Heating Design OADB: 28			
Sens. + Lat.	Space	Plenum	Net	Space	Percent	Plenum	Total	Sens. + Lat.	Space	Percent	Plenum	SADB	Cooling	Heating	
Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	(%)	Btu/h	Btu/h	Btu/h	Btu/h	(%)	Btu/h				
Envelope Loads															
0	0	0	0	0	0	0	0	0	0	0	0	0	55.0	73.6	
0	0	0	0	0	0	0	0	0	0	0	0	0	77.7	70.3	
0	0	322	322	8	0	0	322	0	0	-159	0	0	78.9	70.3	
0	0	0	0	0	0	0	0	0	0	0	0	0	87.0	30.5	
0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0.8	0.0	
0	0	0	0	0	0	0	0	0	0	0	0	0	2.3	0.0	
0	0	0	0	0	0	0	0	0	0	0	0	0			
0	0	0	0	0	0	0	0	0	0	0	0	0			
0	0	0	0	0	0	0	0	0	0	0	0	0			
0	0	0	0	0	0	0	0	0	0	0	0	0			
0	0	0	0	0	0	0	0	0	0	0	0	0			
0	0	322	322	8	0	0	322	0	0	-159	0	0			
Sub Total ==>															
Internal Loads															
771	771	0	771	19	52	0	771	0	0	0	0	0	36	36	
356	356	0	356	9	13	0	356	0	0	0	0	0	72	36	
386	386	0	386	9	26	0	386	0	0	0	0	0	72	36	
1,513	1,513	0	1,513	37	92	0	1,513	0	0	0	0	0	0	0	
Sub Total ==>															
98	98	-98	0	0	8	0	0	-60	0	0	0	0	34	34	
0	0	0	1,973	48	0	0	1,973	0	-1,522	93.75	0	0	34	34	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
44	44	44	252	6	0	0	252	-38	0	2.36	0	0	47.2	94.5	
0	0	0	44	1	0	0	44	0	0	0.00	0	0	0.64	0.32	
0	0	0	0	0	0	0	0	95	0	-5.88	0	0	209.88		
0	0	0	0	0	0	0	0	0	0	0.00	0	0	330.46		
0	0	0	0	0	0	0	0	0	0	0.00	0	0	36.31	-14.37	
Grand Total ==>															
1,611	268	268	4,103	100.00	100.00	1,472	100.00	-60	-1,624	100.00				1	

COOLING COIL SELECTION				AREAS				HEATING COIL SELECTION			
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Gross Total	Glass	Main Htg	Lvg	Capacity	Coil Airflow	Ent	Lvg
ton	MBh	cfm	°F		ft² (%)		°F	MBh	cfm	°F	°F
0.3	4.1	71	87.0	113				-0.8	36	51.5	73.6
0.0	0.0	0	0.0					0.0	0	0.0	0.0
0.0	0.0	0	0.0					-0.8	34	28.2	51.5
0.3	4.1							0.0	0	0.0	0.0
								0.0	0	0.0	0.0
								-1.6			

Room Checksums

By JBACE

3A336 - MGR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES			
Peaked at Time: Outside Air:				Mo/Hr: 8 / 17 OADB/WB/HR: 93 / 73 / 99				Mo/Hr: 7 / 18 OADB: 104				Mo/Hr: Heating Design OADB: 28			
Sens. + Lat. Btu/h	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 (%)	SADB	Cooling	Heating		
0	0	0	0	0	0	0	Skylite Solar	0	0	0.00	77.3	55.0	76.0		
0	0	0	0	0	0	0	Skylite Cond	0	0	0.00	77.3	55.0	76.0		
0	264	264	264	5	0	0	Roof Cond	0	-153	6.13	77.3	55.0	76.0		
0	0	0	0	0	0	0	Glass Solar	0	0	0.00	77.3	55.0	76.0		
0	0	0	0	0	0	0	Glass/Door Cond	0	0	0.00	77.3	55.0	76.0		
426	0	0	426	7	543	17	Wall Cond	-265	-265	10.60	77.3	55.0	76.0		
0	0	0	0	0	0	0	Partition/Door	0	0	0.00	77.3	55.0	76.0		
0	0	0	0	0	0	0	Floor	0	0	0.00	77.3	55.0	76.0		
0	0	0	0	0	0	0	Adjacent Floor	0	0	0.00	77.3	55.0	76.0		
0	0	0	0	0	0	0	Infiltration	0	0	0.00	77.3	55.0	76.0		
426	0	264	690	12	543	17	Sub Total ==>	-265	-418	16.73	77.3	55.0	76.0		
Internal Loads				Internal Loads											
1,116	0	0	1,116	19	1,116	34	Lights	0	0	0.00	77.3	55.0	76.0		
1,350	0	0	1,350	24	750	23	People	0	0	0.00	77.3	55.0	76.0		
744	0	0	744	13	744	23	Misc	0	0	0.00	77.3	55.0	76.0		
3,210	0	0	3,210	56	2,610	81	Sub Total ==>	0	0	0.00	77.3	55.0	76.0		
81	-81	0	0	0	88	3	Ceiling Load	-58	0	0.00	77.3	55.0	76.0		
0	0	0	1,201	21	0	0	Ventilation Load	0	-967	38.76	77.3	55.0	76.0		
0	0	0	0	0	0	0	Adj Air Trans Heat	0	0	0	77.3	55.0	76.0		
0	-77	0	0	0	0	0	Ov/Undr Sizing	0	0	0.00	77.3	55.0	76.0		
0	0	0	0	0	0	0	Exhaust Heat	0	37	-1.48	77.3	55.0	76.0		
180	180	0	540	9	0	0	OA Preheat Diff.	0	-1,108	44.38	77.3	55.0	76.0		
0	0	0	180	3	0	0	Additional Reheat	0	0	0.00	77.3	55.0	76.0		
0	0	0	0	0	0	0	System Plenum Heat	-40	0	1.61	77.3	55.0	76.0		
0	0	0	0	0	0	0	Underflr Sup Ht Pkup	0	0	0.00	77.3	55.0	76.0		
0	0	0	0	0	0	0	Supply Air Leakage	0	0	0.00	77.3	55.0	76.0		
3,717	286	0	5,744	100.00	3,240	100.00	Grand Total ==>	-322	-2,496	100.00	77.3	55.0	76.0		
COOLING COIL SELECTION				COOLING COIL SELECTION				HEATING COIL SELECTION				HEATING COIL SELECTION			
Total Capacity ton	Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR °F	Leave DB/WB/HR °F	Total Capacity ton	Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR °F	Leave DB/WB/HR °F	Gross Total ft²	Glass ft²	Capacity MBh	Coil Airflow cfm	Enter °F	Leave °F
0.5	5.7	152	80.6	59.7	0.5	4.4	152	80.6	51.5	109	0	-2.0	79	51.5	76.0
0.0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0.0	0	0	0.0	0	0.0	0.0
0.0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0.0	0	0	-0.5	22	28.2	51.5
0.5	5.7	0	0.0	0.0	0.5	4.4	0	0.0	0.0	109	0	0.0	0	0.0	0.0
										136	0	0.0	0	0.0	0.0
										0	0	-2.5	0	0.0	0.0
										0	0				

Room Checksums

By JBACE

3A337 - Treatment

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES			
Peaked at Time: Outside Air:				Mo/Hr: 8 / 17 OADB/WB/HR: 93 / 73 / 99				Mo/Hr: 7 / 17 OADB: 107				Mo/Hr: Heating Design OADB: 28			
Sens. + Lat.		Space	Plenum	Net		Percent	Envelope Loads	Space Peak	Coil Peak	Percent	TEMPERATURES				
Btu/h		Btu/h	Sens. + Lat	Total	Of Total	Space Sensible		Btu/h	Tot Sens	Of Total	Cooling	Heating			
			Btu/h	Btu/h	(%)	(%)		Btu/h	Btu/h	(%)	SADB				
											Ra Plenum			55.0	76.5
											Roof Cond			77.3	70.3
											Glass Solar			78.5	70.3
											Glass/Door Cond			81.2	55.5
											Wall Cond			0.4	0.0
											Partition/Door			0.8	0.0
											Floor			2.3	0.0
											Adjacent Floor				
											Infiltration				
											Sub Total/ ==>				
Internal Loads											AIRFLOWS				
Lights											Cooling			Heating	
People											318			159	
Misc											318			159	
Sub Total/ ==>											318			159	
											0			0	
											56			56	
											56			56	
											0			0	
											159			159	
											262			103	
											0			0	
											56			56	
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Room Checksums

By JBACE

3A337A - Restroom

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES			
Peaked at Time: Outside Air:				Mo/Hr: 8 / 17 OADB/WB/HR: 93 / 73 / 99				Mo/Hr: 7 / 18 OADB: 104				SADB			
Sens. + Lat.	Space	Plenum	Net	Space	Percent	Space	Percent	Space Peak	Coil Peak	Percent		Cooling	Heating		
Sens. + Lat.	Btu/h	Sens. + Lat.	Total	Sensible	Of Total	Btu/h	Of Total	Space Sens	Tot Sens	Of Total					
Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)					
Envelope Loads															
Skylite Solar	0	0	0	0	0	0	0	0	0	0.00		55.0	75.6		
Skylite Cond	0	0	0	0	0	0	0	0	0	0.00		77.3	70.3		
Roof Cond	0	135	135	6	0	0	0	0	-80	3.78		78.5	70.3		
Glass Solar	0	0	0	0	0	0	0	0	0	0.00		78.5	70.3		
Glass/Door Cond	0	0	0	0	0	0	0	0	0	0.00		0.4	0.0		
Wall Cond	461	0	461	20	33	586	33	-287	-287	13.61		0.8	0.0		
Partition/Door	0	0	0	0	0	0	0	0	0	0.00		2.3	0.0		
Floor	0	0	0	0	0	0	0	0	0	0.00					
Adjacent Floor	0	0	0	0	0	0	0	0	0	0.00					
Infiltration	0	0	0	0	0	0	0	0	0	0.00					
Sub Total ==>	461	135	596	26	33	586	33	-287	-367	17.40					
Internal Loads															
Lights	292	0	292	13	17	292	17	0	0	0.00		86	86		
People	0	0	0	0	0	0	0	0	0	0.00		86	86		
Misc	0	0	0	0	0	0	0	0	0	0.00		86	86		
Sub Total ==>	292	0	292	13	17	292	17	0	0	0.00					
Ceiling Load	42	-42	0	0	3	46	3	-30	0	0.00		0.0	0.0		
Ventilation Load	0	0	0	0	0	0	0	0	0	0.00		1.50	1.50		
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0.00		455.71	303.80		
Dehumid. Ov Sizing	958	0	958	43	47	830	47	0	0	0.00		39.50	-37.05		
Ov/Undr Sizing	0	0	0	0	0	0	0	0	0	0.00		0	0		
Exhaust Heat	0	0	0	0	0	0	0	0	0	0.00					
Sup. Fan Heat	101	101	304	14	3	0	3	0	0	0.00					
Ret. Fan Heat	0	0	0	5	0	0	0	0	0	0.00					
Duct Heat PkUp	0	0	0	0	0	0	0	0	0	0.00					
Underflr Sup Ht PkUp	0	0	0	0	0	0	0	0	0	0.00					
Supply Air Leakage	0	0	0	0	0	0	0	0	0	0.00					
Grand Total ==>	1,753	194	2,251	100.00	100.00	1,753	100.00	-318	-2,112	100.00					

AIRFLOWS

	Cooling	Heating
Diffuser	86	86
Terminal	86	86
Main Fan	86	86
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	0	0
MinStop/Rh	86	86
Return	86	86
Exhaust	0	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	0.0	0.0
cfm/ft²	1.50	1.50
cfm/ton	455.71	
ft²/ton	303.80	
Btu/hr-ft²	39.50	-37.05
No. People	0	

HEATING COIL SELECTION

Capacity	Coil Airflow	Ent	Lvg
MBh	cfm	°F	°F
Main Htg	-2.1	86	51.5
Aux Htg	0.0	0	0.0
Preheat	0.0	0	0.0
Humidif	0.0	0	0.0
Opt Vent	0.0	0	0.0
Total	-2.1		

AREAS

Gross Total	Glass	(%)
ft²		
Floor	57	
Part	0	
Int Door	0	
ExFlr	0	
Roof	57	0
Wall	148	0
Ext Door	0	0

COOLING COIL SELECTION

Total Capacity	Sens Cap.	Coil Airflow	Enter	Leave
ton	MBh	cfm	°F	°F
Main Clg	0.2	2.3	86	51.5
Aux Clg	0.0	0.0	0	0.0
Opt Vent	0.0	0.0	0	0.0
Total	0.2	2.3		

Room Checksums

By JBACE

3A338 - Treatment

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES			
Peaked at Time: Outside Air:				Mo/Hr: 8 / 16 OADB/WB/HR: 95 / 73 / 99				Mo/Hr: Heating Design OADB: 28				SADB			
Sens. + Lat.	Space	Plenum	Net	Space	Percent	Space	Percent	Space Peak	Coil Peak	Percent		Cooling	Heating		
Btu/h	Btu/h	Btu/h	Total	Sensible	Of Total	Btu/h	Of Total	Space Sens	Tot Sens	Of Total					
			Btu/h		(%)		(%)	Btu/h	Btu/h	(%)					
Envelope Loads															
Skylite Solar	0	0	0	0	0	0	0	0	0	0.00					
Skylite Cond	0	0	0	0	0	0	0	0	0	0.00					
Roof Cond	0	504	504	6	0	0	0	0	-260	6.81					
Glass Solar	0	0	0	0	0	0	0	0	0	0.00					
Glass/Door Cond	0	0	0	0	0	0	0	0	0	0.00					
Wall Cond	285	0	285	3	0	443	10	-215	-215	5.64					
Partition/Door	0	0	0	0	0	0	0	0	0	0.00					
Floor	0	0	0	0	0	0	0	0	0	0.00					
Adjacent Floor	0	0	0	0	0	0	0	0	0	0.00					
Infiltration	0	0	0	0	0	0	0	0	0	0.00					
Sub Total	285	504	789	9	10	443	10	-215	-475	12.45					
Internal Loads															
Lights	1,894	0	1,894	21	45	1,894	45	0	0	0.00					
People	900	0	900	10	12	500	12	0	0	0.00					
Misc	1,263	0	1,263	14	30	1,263	30	0	0	0.00					
Sub Total	4,057	0	4,057	46	86	3,657	86	0	0	0.00					
Ceiling Load	153	-153	0	0	3	149	3	-98	0	0.00					
Ventilation Load	0	0	3,189	36	0	0	0	0	-2,492	65.34					
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	0	0	0	0	0	0	0	0	0.00					
Sup. Fan Heat	171	171	710	8	0	0	0	0	-927	24.29					
Ret. Fan Heat	0	0	0	2	0	0	0	0	0	0.00					
Duct Heat PkUp	0	0	0	0	0	0	0	0	79	-2.08					
Underflr Sup Ht PkUp	0	0	0	0	0	0	0	0	0	0.00					
Supply Air Leakage	0	0	0	0	0	0	0	0	0	0.00					
Grand Total	4,495	522	8,916	100.00	100.00	4,248	100.00	-313	-3,815	100.00					
ENGINEERING CKS															
% OA												Cooling	Heating		
cfm/ft²												26.8	53.6		
cfm/ton												1.12	0.56		
ft²/ton												278.84			
Btu/hr-ft²												249.00			
No. People												48.19	-20.62		

COOLING COIL SELECTION				AREAS				HEATING COIL SELECTION			
Total Capacity	Sens Cap.	Coil Airflow	Enter	Gross Total	Glass	Main Htg		Capacity	Coil Airflow	Ent	Lvg
ton	MBh	cfm	°F		ft²			MBh	cfm	°F	°F
Main Clg	0.7	8.9	83.3	185	0	0		-2.5	104	51.5	75.0
Aux Clg	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		-1.3	56	28.2	51.5
Total	0.7	8.9	83.3	185	0	0		0.0	0	0.0	0.0
				111	0	0		0.0	0	0.0	0.0
				0	0	0		-3.8			

Room Checksums

By JBACE

3A339 - Diet

COOLING COIL PEAK										CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES			
Peaked at Time: Outside Air:				Mo/Hr: 8 / 15 OADB/WB/HR: 96 / 73 / 99				Mo/Hr: 7 / 15 OADB: 109				Mo/Hr: Heating Design OADB: 28									
Sens. + Lat.		Space	Plenum		Net		Percent		Space		Percent		Space Peak		Coil Peak		Percent				
Btu/h		Btu/h	Sens. + Lat Btu/h		Total Btu/h		Of Total (%)		Sensible Btu/h		Of Total (%)		Space Sens Btu/h		Tot Sens Btu/h		Of Total (%)				
Envelope Loads																					
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	394		394		6		0		0		0		-194		8.45				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	394		394		6		0		0		0		-194		8.45				
0		0	0		0		0		0		0		0		0		0				
Sub Total/ ==>																					
Internal Loads																					
1,413		1,413	0		1,413		23		1,413		44		0		0		0				
1,350		1,350	0		1,350		22		750		23		0		0		0				
942		942	0		942		15		942		29		0		0		0				
3,705		3,705	0		3,705		61		3,105		96		0		0		0				
Sub Total/ ==>																					
120		120	-120		0		0		143		4		Ceiling Load		0		0				
0		0	0		0		22		0		0		Ventilation Load		-1,045		45.61				
0		0	0		0		0		0		0		Adj Air Trans Heat		0		0				
0		0	0		0		0		0		0		Ov/Undr Sizing		0		0				
0		0	-93		-93		-2		0		0		Exhaust Heat		40		-1.74				
0		0	0		0		9		0		0		OA Preheat Diff.		0		0				
0		0	186		186		3		0		0		RA Preheat Diff.		-1,078		47.02				
0		0	0		0		0		0		0		Additional Reheat		0		0				
0		0	0		0		0		0		0		System Plenum Heat		-15		0.65				
0		0	0		0		0		0		0		Underfir Sup Ht Pkup		0		0				
0		0	0		0		0		0		0		Supply Air Leakage		0		0				
3,825		3,825	367		6,106		100.00		3,248		100.00		Grand Total/ ==>		-2,292		100.00				
Grand Total/ ==>																					
-73																					
Engineering CKS																					
Cooling		Heating																			
14.7		29.4																			
1.15		0.57																			
311.29		271.21																			
44.25		-16.61																			
No. People		3																			

COOLING COIL SELECTION										HEATING COIL SELECTION					
Total Capacity		Sens Cap.		Coil Airflow		Enter DB/WB/HR		Leave DB/WB/HR		Capacity		Coil Airflow		Ent Lvg	
ton		MBh		cfm		°F		°F		MBh		cfm		°F	
0.5		6.1		4.7		51.5		44.9		138		79		51.5	
0.0		0.0		0.0		0.0		0.0		0		0		0.0	
0.0		0.0		0.0		0.0		0.0		0		0		0.0	
0.5		6.1		0.0		0.0		0.0		0		23		51.5	
Total/		Total/		Total/		Total/		Total/		Total/		Total/		Total/	
0.0		0.0		0.0		0.0		0.0		0		0		0.0	
0.0		0.0		0.0		0.0		0.0		0		0		0.0	
0.0		0.0		0.0		0.0		0.0		0		0		0.0	
0.0		0.0		0.0		0.0		0.0		0		0		0.0	
0.0		0.0		0.0		0.0		0.0		0		0		0.0	
0.0		0.0		0.0		0.0		0.0		0		0		0.0	
0.0		0.0		0.0		0.0		0.0		0		0		0.0	
0.0		0.0		0.0		0.0		0.0		0		0		0.0	
0.0		0.0		0.0		0.0		0.0		0		0		0.0	
0.0		0.0		0.0		0.0		0.0		0		0		0.0	
0.0		0.0		0.0		0.0		0.0		0		0		0.0	
0.0		0.0		0.0		0.0		0.0		0		0		0.0	
0.0		0.0		0.0		0.0		0.0		0		0		0.0	
0.0		0.0		0.0		0.0		0.0		0		0		0.0	
0.0		0.0		0.0		0.0		0.0		0		0		0.0	
0.0		0.0		0.0		0.0		0.0		0		0		0.0	
0.0		0.0		0.0		0.0		0.0		0		0		0.0	
0.0		0.0		0.0		0.0		0.0		0		0		0.0	
0.0		0.0		0.0		0.0		0.0		0		0		0.0	
0.0		0.0		0.0		0.0		0.0		0		0		0.0	
0.0		0.0		0.0		0.0		0.0		0		0		0.0	
0.0		0.0		0.0		0.0		0.0		0		0		0.0	
0.0		0.0		0.0		0.0		0.0		0		0		0.0	
0.0		0.0		0.0		0.0		0.0		0		0		0.0	
0.0		0.0		0.0		0.0		0.0		0		0		0.0	
0.0		0.0		0.0		0.0		0.0		0		0		0.0	
0.0		0.0		0.0		0.0		0.0		0		0		0.0	
0.0		0.0		0.0		0.0		0.0		0		0		0.0	
0.0		0.0		0.0		0.0		0.0		0		0		0.0	
0.0		0.0		0.0		0.0		0.0		0		0		0.0	
0.0		0.0		0.0		0.0		0.0		0		0			

AIRFLOWS			
	Cooling	Heating	
Diffuser	158	79	
Terminal	158	79	
Main Fan	158	79	
Sec Fan	0	0	
Nom Vent	23	23	
AHU Vent	23	23	
Infil	0	0	
MinStop/Rh	79	79	
Return	158	79	
Exhaust	23	23	
Rm Exh	0	0	
Auxiliary	0	0	
Leakage Dwn	0	0	
Leakage Ups	0	0	

ENGINEERING CKS			
	Cooling	Heating	
% OA	14.7	29.4	
cfm/ft²	1.15	0.57	
cfm/ton	311.29		
ft²/ton	271.21		
Btu/hr-ft²	44.25	-16.61	
No. People	3		

HEATING COIL SELECTION			
Capacity	Coil Airflow	Ent	Lvg
MBh	cfm	°F	°F
Main Htg	-1.7	79	51.5
Aux Htg	0.0	0	0.0
Preheat	-0.6	23	28.2
Humidif	0.0	0	0.0
Opt Vent	0.0	0	0.0
Total	-2.3		

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

COOLING COIL SELECTION			
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR
ton	MBh	cfm	°F gr/lb
Main Clg	0.5	6.1	4.7
Aux Clg	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0
Total	0.5	6.1	

Room Checksums

By JBACE

3A340 - Flex

COOLING COIL PEAK										CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES					
Peaked at Time: Outside Air:				Mo/Hr: 8 / 15 OADB/WB/HR: 96 / 73 / 99				Mo/Hr: 7 / 15 OADB: 109				Mo/Hr: Heating Design OADB: 28											
Sens. + Lat.		Space	Plenum		Net		Percent	Space		Percent	Space Peak		Coil Peak		Percent	SADB		Cooling	Heating				
Btu/h		Btu/h	Sens. + Lat. Btu/h		Total Btu/h		Of Total (%)	Sensible Btu/h		Of Total (%)	Space Sens Btu/h		Tot Sens Btu/h		Of Total (%)								
Envelope Loads										Envelope Loads													
0		0	0		0		0	0		0	0		0		0	Ra Plenum		77.7	70.3				
0		0	0		0		0	0		0	0		0		0	Return		78.9	70.3				
0		0	394		394		6	0		0	0		-194		8.45	Fn MtrTD		81.4	58.0				
0		0	0		0		0	0		0	0		0		0	Fn BldTD		0.4	0.0				
0		0	0		0		0	0		0	0		0		0	Fn BldTD		0.8	0.0				
0		0	0		0		0	0		0	0		0		0	Fn Frict		2.3	0.0				
0		0	0		0		0	0		0	0		0		0								
Internal Loads										Internal Loads										AIRFLOWS			
1,413		1,413	0		1,413		23	1,413		44	0		0		0.00	Diffuser		158	79				
1,350		1,350	0		1,350		22	750		23	0		0		0.00	Terminal		158	79				
942		942	0		942		15	942		29	0		0		0.00	Main Fan		158	79				
3,705		3,705	0		3,705		61	3,105		96	0		-194		8.45	Sec Fan		0	0				
120		-120	0		0		0	143		4	-73		0		0.00	Nom Vent		23	23				
0		0	0		1,355		22	0		0	0		-1,045		45.61	AHU Vent		23	23				
0		0	0		0		0	0		0	0		0		0	Infil		0	0				
0		0	0		0		0	0		0	0		0		0.00	MinStop/Rh		79	79				
0		0	0		0		0	0		0	0		0		0.00	Return		158	79				
0		0	0		0		0	0		0	0		0		0.00	Exhaust		23	23				
0		0	0		0		0	0		0	0		0		0.00	Rm Exh		0	0				
0		0	0		0		0	0		0	0		0		0.00	Auxiliary		0	0				
0		0	0		0		0	0		0	0		0		0.00	Leakage Dwn		0	0				
0		0	0		0		0	0		0	0		0		0.00	Leakage Ups		0	0				
Engineering CKS										Engineering CKS													
0		0	0		0		0	0		0	0		0		0.00	% OA		14.7	29.4				
0		0	0		0		0	0		0	0		0		0.00	cfm/ft²		1.15	0.57				
0		0	0		0		0	0		0	0		0		0.00	cfm/ton		311.29					
0		0	0		0		0	0		0	0		0		0.00	ft³/ton		271.21					
0		0	0		0		0	0		0	0		0		0.00	Btu/hr-ft²		44.25	-16.61				
3,825		3,825	367		6,106		100.00	3,248		100.00	-73		-2,292		100.00	No. People		3					
Grand Total ==>										Grand Total ==>													

COOLING COIL SELECTION										HEATING COIL SELECTION					
Total Capacity		Sens Cap.		Coil Airflow		Enter DBWB/HR		Leave DBWB/HR		Capacity		Coil Airflow		Lvg Capacity	
ton		MBh		cfm		°F gr/lb		°F gr/lb		MBh		cfm		°F	
0.5		6.1		4.7		157 81.4 60.1		51.5 44.9 37.3		-1.7		79 51.5		72.9	
0.0		0.0		0		0 0.0 0.0		0.0 0.0 0.0		0.0		0.0		0.0	
0.0		0.0		0		0 0.0 0.0		0.0 0.0 0.0		-0.6		23 28.2		51.5	
0.5		6.1		0		0 0.0 0.0		0.0 0.0 0.0		0.0		0 0.0		0.0	
Total/		Total/		Total/		Total/		Total/		Total/		Total/		Total/	

AIRFLOWS			
	Cooling	Heating	
Diffuser	158	79	
Terminal	158	79	
Main Fan	158	79	
Sec Fan	0	0	
Nom Vent	23	23	
AHU Vent	23	23	
Infil	0	0	
MinStop/Rh	79	79	
Return	158	79	
Exhaust	23	23	
Rm Exh	0	0	
Auxiliary	0	0	
Leakage Dwn	0	0	
Leakage Ups	0	0	

ENGINEERING CKS			
	Cooling	Heating	
% OA	14.7	29.4	
cfm/ft²	1.15	0.57	
cfm/ton	311.29		
ft²/ton	271.21		
Btu/hr-ft²	44.25	-16.61	
No. People	3		

HEATING COIL SELECTION			
Capacity	Coil Airflow	Ent	Lvg
MBh	cfm	°F	°F
Main Htg	-1.7	79	51.5
Aux Htg	0.0	0	0.0
Preheat	-0.6	23	28.2
Humidif	0.0	0	0.0
Opt Vent	0.0	0	0.0
Total	-2.3		

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

COOLING COIL SELECTION			
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR
ton	MBh	cfm	°F gr/lb
Main Clg	0.5	6.1	4.7
Aux Clg	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0
Total	0.5	6.1	

Room Checksums

By JBACE

3A341 - Office #1

COOLING COIL PEAK										CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES									
Peaked at Time: Outside Air:					Mo/Hr: 8 / 15 OADB/WB/HR: 96 / 73 / 99					Mo/Hr: 7 / 15 OADB: 109					Mo/Hr: Heating Design OADB: 28														
Sens. + Lat.		Space		Plenum		Net		Percent		Space		Percent		Space Peak		Coil Peak		Percent											
Btu/h		Btu/h		Sens. + Lat. Btu/h		Total Btu/h		Of Total (%)		Sensible Btu/h		Of Total (%)		Btu/h		Tot Sens Btu/h		Of Total (%)											
Envelope Loads																													
0		0		0		0		0		0		0		0		0		0											
0		0		0		0		0		0		0		0		0		0											
0		0		399		399		6		0		0		-197		-197		8.49											
0		0		0		0		0		0		0		0		0		0											
0		0		0		0		0		0		0		0		0		0											
0		0		0		0		0		0		0		0		0		0											
0		0		0		0		0		0		0		0		0		0											
0		0		0		0		0		0		0		0		0		0											
0		0		0		0		0		0		0		0		0		0											
0		0		0		0		0		0		0		0		0		0											
0		0		0		0		0		0		0		0		0		0											
0		0		0		0		0		0		0		0		0		0											
0		0		0		0		0		0		0		0		0		0											
0		0		399		399		6		0		0		-197		-197		8.49											
Sub Total/ ==>																													
Internal Loads																													
1,433		1,433		0		1,433		23		1,433		44		0		0		0.00											
1,350		1,350		0		1,350		22		750		23		0		0		0.00											
956		956		0		956		16		956		29		0		0		0.00											
3,739		3,739		0		3,739		61		3,139		96		0		0		0.00											
Sub Total/ ==>																													
122		-122		0		0		0		145		4		Ceiling Load		0		0.00											
0		0		0		1,362		22		0		0		Ventilation Load		-1,051		45.40											
0		0		0		0		0		0		0		Adj Air Trans Heat		0		0											
0		0		0		0		0		0		0		Ov/Undr Sizing		0		0.00											
0		-93		0		-93		-2		0		0		Exhaust Heat		40		-1.73											
0		0		0		0		0		0		0		OA Preheat Diff.		0		0.00											
0		0		188		565		9		0		0		RA Preheat Diff.		-1,092		47.20											
0		0		0		188		3		0		0		Additional Reheat		0		0.00											
0		0		0		0		0		0		0		System Plenum Heat		-15		0.64											
0		0		0		0		0		0		0		Underfir Sup Ht Pkup		0		0.00											
0		0		0		0		0		0		0		Supply Air Leakage		0		0.00											
3,861		373		373		6,160		100.00		3,284		100.00		Grand Total/ ==>		-2,314		100.00											
Grand Total/ ==>																													
Engineering CKS																													
Cooling																													
% OA																													
cfm/ft²																													
cfm/ton																													
ft³/ton																													
Btu/hr-ft²																													
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Heating																													
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AIRFLOWS			
	Cooling	Heating	
Diffuser	160	80	
Terminal	160	80	
Main Fan	160	80	
Sec Fan	0	0	
Nom Vent	23	23	
AHU Vent	23	23	
Infil	0	0	
MinStop/Rh	80	80	
Return	160	80	
Exhaust	23	23	
Rm Exh	0	0	
Auxiliary	0	0	
Leakage Dwn	0	0	
Leakage Ups	0	0	

ENGINEERING CKS			
	Cooling	Heating	
% OA	14.6	29.2	
cfm/ft²	1.14	0.57	
cfm/ton	311.97		
ft²/ton	272.71		
Btu/hr-ft²	44.00	-16.53	
No. People	3		

HEATING COIL SELECTION			
Capacity	Coil Airflow	Ent	Lvg
MBh	cfm	°F	°F
-1.8	80	51.5	72.9
0.0	0	0.0	0.0
-0.6	23	28.2	51.5
0.0	0	0.0	0.0
0.0	0	0.0	0.0
-2.3			

AREAS			
Gross Total	Glass	Glass	
	ft²	ft² (%)	
Floor	140		
Part	0		
Int Door	0		
ExFlr	0		
Roof	140		
Wall	0		
Ext Door	0		

COOLING COIL SELECTION			
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR
ton	MBh	cfm	°F gr/lb
0.5	4.7	159	51.5 44.9 37.4
0.0	0.0	0	0.0 0.0 0.0
0.0	0.0	0	0.0 0.0 0.0
0.5	6.2		

Room Checksums

By JBACE

3A342 - Office #2

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES			
Peaked at Time: Outside Air:				Mo/Hr: 8 / 15 OADB/WB/HR: 96 / 73 / 99				Mo/Hr: Heating Design OADB: 28							
Sens. + Lat.	Space	Plenum	Net	Space	Percent	Space	Percent	Space Peak	Coil Peak	Percent		SADB	Cooling	Heating	
Sens. + Lat.	Btu/h	Sens. + Lat.	Total	Sensible	Of Total	Btu/h	Of Total	Space Sens	Tot Sens	Of Total		Return			
Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)		Ret/OA			
Envelope Loads															
Skylite Solar	0	0	0	0	0	0	0	0	0	0.00		Fn MtrTD	0.4	0.0	
Skylite Cond	0	0	0	0	0	0	0	0	0	0.00		Fn BldTD	0.8	0.0	
Roof Cond	0	536	536	536	7	0	0	0	-264	9.25		Fn Frict	2.3	0.0	
Glass Solar	0	0	0	0	0	0	0	0	0	0.00					
Glass/Door Cond	0	0	0	0	0	0	0	0	0	0.00					
Wall Cond	0	0	0	0	0	0	0	0	0	0.00					
Partition/Door	0	0	0	0	0	0	0	0	0	0.00					
Floor	0	0	0	0	0	0	0	0	0	0.00					
Adjacent Floor	0	0	0	0	0	0	0	0	0	0.00					
Infiltration	0	0	0	0	0	0	0	0	0	0.00					
Sub Total ==>	0	536	536	536	7	0	0	0	-264	9.25					
Internal Loads															
Lights	1,925	0	1,925	1,925	26	0	0	0	0	0.00					
People	1,350	0	1,350	1,750	18	0	0	0	0	0.00					
Misc	1,283	0	1,283	1,283	17	0	0	0	0	0.00					
Sub Total ==>	4,558	0	4,558	3,958	61	0	0	0	0	0.00					
Ceiling Load	163	-163	0	195	5	0	0	-100	0	0.00					
Ventilation Load	0	0	1,529	0	20	0	0	0	-1,180	41.36					
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	-105	-105	0	0	0	0	0	45	-1.58					
Exhaust Heat	0	0	0	0	-1	0	0	0	0	0.00					
Sup. Fan Heat	715	238	953	715	10	0	0	0	-1,445	50.65					
Ret. Fan Heat	0	0	0	0	3	0	0	0	0	0.00					
Duct Heat PkUp	0	0	0	0	0	0	0	0	-9	0.32					
Underflr Sup Ht PkUp	0	0	0	0	0	0	0	0	0	0.00					
Supply Air Leakage	0	0	0	0	0	0	0	0	0	0.00					
Grand Total ==>	4,721	506	7,472	4,153	100.00	0	0	-100	-2,853	100.00					

AIRFLOWS				ENGINEERING CKS			
	Cooling	Heating			Cooling	Heating	
Diffuser	203	101		% OA	13.0	26.0	
Terminal	203	101		cfm/ft²	1.08	0.54	
Main Fan	203	101		cfm/ton	325.28		
Sec Fan	0	0		ft²/ton	301.94		
Nom Vent	26	26		Btu/hr-ft²	39.74	-15.18	
AHU Vent	26	26		No. People	3		
Infil	0	0					
MinStop/Rh	101	101					
Return	203	101					
Exhaust	26	26					
Rm Exh	0	0					
Auxiliary	0	0					
Leakage Dwn	0	0					
Leakage Ups	0	0					

HEATING COIL SELECTION			
Capacity	Coil Airflow	Ent	Lvg
MBh	cfm	°F	°F
Main Htg	-2.2	101	51.5
Aux Htg	0.0	0	0.0
Preheat	-0.6	26	28.2
Humidif	0.0	0	0.0
Opt Vent	0.0	0	0.0
Total	-2.9		

AREAS			
Gross Total	Glass	Glass	
	ft²	(%)	
Floor	188		
Part	0		
Int Door	0		
ExFlr	0		
Roof	188		
Wall	0		
Ext Door	0		

COOLING COIL SELECTION			
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR
ton	MBh	cfm	°F
Main Clg	0.6	7.5	59.8
Aux Clg	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0
Total	0.6	7.5	

Room Checksums

By JBACE

3A343 - Office #3

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES			
Peaked at Time: Outside Air:				Mo/Hr: 8 / 15 OADB/WB/HR: 96 / 73 / 99				Mo/Hr: Heating Design OADB: 28							
Sens. + Lat.	Space	Plenum	Net	Space	Percent	Space	Percent	Space Peak	Coil Peak	Percent		SADB	Cooling	Heating	
Sens. + Lat.	Btu/h	Sens. + Lat.	Total	Sensible	Of Total	Btu/h	Of Total	Space Sens	Tot Sens	Of Total	(%)	Return	77.7	73.0	
Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)		Ret/OA	78.9	70.3	
Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)		Fn MtrTD	81.1	59.4	
Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)		Fn BldTD	0.4	0.0	
Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)		Fn Frict	0.8	0.0	
Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)			2.3	0.0	
Envelope Loads				Envelope Loads											
SkyLite Solar	0	0	0	0	0	0	0	0	0	0.00					
SkyLite Cond	0	0	0	0	0	0	0	0	0	0.00					
Roof Cond	0	539	539	7	7	0	0	0	-265	9.26					
Glass Solar	0	0	0	0	0	0	0	0	0	0.00					
Glass/Door Cond	0	0	0	0	0	0	0	0	0	0.00					
Wall Cond	0	0	0	0	0	0	0	0	0	0.00					
Partition/Door	0	0	0	0	0	0	0	0	0	0.00					
Floor	0	0	0	0	0	0	0	0	0	0.00					
Adjacent Floor	0	0	0	0	0	0	0	0	0	0.00					
Infiltration	0	0	0	0	0	0	0	0	0	0.00					
Sub Total/ ==>	0	539	539	7	7	0	0	0	-265	9.26					
Internal Loads				Internal Loads											
Lights	1,935	0	1,935	26	26	1,935	46	0	0	0.00					
People	1,350	0	1,350	18	18	1,350	31	0	0	0.00					
Misc	1,290	0	1,290	17	17	1,290	31	0	0	0.00					
Sub Total/ ==>	4,575	0	4,575	61	61	3,975	95	0	0	0.00					
Ceiling Load	164	-164	0	0	0	196	5	-100	0	0.00					
Ventilation Load	0	0	1,533	20	20	0	0	0	-1,183	41.29					
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	-105	-105	0	0	0	0	0	45	-1.58					
Exhaust Heat	0	0	0	0	0	0	0	0	0	0.00					
Sup. Fan Heat	0	239	239	10	10	0	0	0	-1,453	50.70					
Ret. Fan Heat	0	0	0	3	3	0	0	0	0	0.00					
Duct Heat PkUp	0	0	0	0	0	0	0	0	-9	0.31					
Underflr Sup Ht PkUp	0	0	0	0	0	0	0	0	0	0.00					
Supply Air Leakage	0	0	0	0	0	0	0	0	0	0.00					
Grand Total/ ==>	4,739	509	7,499	100.00	100.00	4,171	100.00	-100	-2,865	100.00					
COOLING COIL SELECTION				COOLING COIL SELECTION				AREAS				HEATING COIL SELECTION			
Total Capacity	ton	Sens Cap.	Coil Airflow	Enter	Leave	Sens Cap.	Coil Airflow	Gross Total	Glass	Grass	(%)	Capacity	Coil Airflow	Ent	Lvg
		MBh	cfm	°F	°F	MBh	cfm		ft²	ft²	(%)	MBh	cfm	°F	°F
Main Clg	0.6	7.5	5.9	202	81.1	59.7	49.2	189	0	0	0	-2.2	102	51.5	73.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0	0	0	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0	0	0	-0.6	26	28.2	51.5
Total	0.6	7.5						189	0	0	0	0.0	0	0.0	0.0
								0	0	0	0	0.0	0	0.0	0.0
								0	0	0	0	-2.9	0	0.0	0.0

By JBACE

COOLING COIL PEAK

Mo/Hr: 8 / 15
OADB/WB/HR: 96 / 73 / 99

CLG SPACE PEAK

Mo/Hr: 7 / 15
OADB: 109

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 28

TEMPERATURES

Outside Air:													OADB/WB/HR: 96 / 73 / 99			OADB: 109			OADB: 28		
		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 (%)								
Envelope Loads Skyline Solar	0	0	0	0	0			0	0	Envelope Loads Skyline Solar	0	0	0.00								

Envelope Loads				Envelope Loads			
Skylite Solar	0	0	0	0	0	0	0
Skylite Cond	0	0	0	0	0	0	0
Roof Cond	0	533	533	7	0	0	-263
Glass Solar	0	0	0	0	0	0	0
Glass/Door Cond	0	0	0	0	0	0	0
Wall Cond	0	0	0	0	0	0	0
Partition/Door	0	0	0	0	0	0	0
Floor	0	0	0	0	0	0	0
Adjacent Floor	0	0	0	0	0	0	0
Infiltration	0	0	0	0	0	0	0
Sub Total ==>	0	533	533	7	0	0	-263

AIRFLOWS

	Cooling	Heating
Diffuser	202	101
Terminal	202	101
Main Fan	202	101
Sec Fan	0	0
Nom Vent	26	26
AHU Vent	26	26
Infil	0	0
MinStop/Rh	101	101
Return	202	101
Exhaust	26	26
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	13.0	26.0
cfm/ft ²	1.08	0.54
ft ² /ton	325.05	
Btu/hr-ft ²	301.44	-15.20
No. People	3	

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	0.6	7.4	200	81.1 59.8 49.2	51.5 45.2 38.4
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	0.6	7.4			

AREAS

	Gross Total	Glass ft ² (%)
Floor	187	
Part	0	
Int Door	0	
ExFlr	0	
Roof	187	0 0
Wall		0 0
Ext Door	0	0 0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lv °F
Main Htg	-2.2	101	51.5	73.0
Aux Htg	0.0	0	0.0	0.0
Preheat	-0.6	26	28.2	51.5
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-2.8			

By JBACE

	COOLING COIL PEAK						CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES			
Envelope Loads Skllyte Solar Skllyite Ce-oad	Peaked at Time:			Mo/Hr: 8 / 15				Mo/Hr: 7 / 15		Mo/Hr: Heating Design				SADB	Cooling	Heating		
	Outside Air:	OADB/WB/HR: 96 / 73 / 99				OADB: 109				OADB: 28				Ra Plenum	77.7	73.0		
		Space Sens.	+ Lat.	Plenum Sens.	+ Lat.	Net Total	Percent Of Total (%)	Space Sensible	Btu/h	Percent Of Total (%)	Space Peak	Coil Peak Tot Sens Btu/h	Percent Of Total (%)	Return	78.9	70.3		
		Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	(%)	Btu/h			Btu/h			Ret/OA	85.9	35.7		
		0	0	0	0	0	0	0			0		Fn MtrTD	0.4	0.0			
		0	0	0	0	0	0	0			0		Fn BltTD	0.8	0.0			
		0	0	0	0	0	0	0			0		Fn Frict	2.3	0.0			

Roof Cond	0	898	898	5	0	0	0	Roof Cond	0	-442	6.37
Glass Solar	0	0	0	0	0	0	0	Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0	0	0	0	0	Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0	0	0	0	0	Wall Cond	0	0	0.00
Partition/Door	0	0	0	0	0	0	0	Partition/Door	0	0	0.00
Floor	0	0	0	0	0	0	0	Floor	0	0	0.00
Adjacent Floor	0	0	0	0	0	0	0	Adjacent Floor	0	0	0.00
Infiltration	0	0	0	0	0	0	0	Infiltration	0	0	0.00
Sub Total ==>	0	898	898	5	0	0	0	Sub Total ==>	-442	6.37	
Internal Loads											
Lights	1,505	0	1,505	8	22	Lights	0	0	0	0	167
People	7,088	0	7,088	36	58	People	0	0	0	0	334
Misc	1,075	0	1,075	5	16	Misc	0	0	0	0	137
Sub Total ==>	9,668	0	9,668	49	95	Sub Total ==>	0	0	0	0	0
Ceiling Load	274	-274	0	0	5	Ceiling Load	-167	0	0	0	0
Ventilation Load	0	0	7,974	41	0	Ventilation Load	0	-6,154	88.58	0	0
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0	0	0	0

ENGINEERING CKS									
Ov/Undr Sizing	0	0	0	0	0	0	0	0	0
Exhaust Heat	-547	0	-547	0	0	0	235	-3.38	0.00
Sup. Fan Heat	393	1,178	6	-3	0	0	-575	8.28	0.00
Duct Heat Pkup	0	393	2	0	0	0	-10	0.00	82.1
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	1.06	0.53
Supply Air Leakage	0	0	0	0	0	0	0	204.73	193.22
Grand Total ==>	470	19,563	100.00	6,844	100.00	-167	-6,947	100.00	-22.05

[illegible]

Room Checksums

By JBACE

3A346 - Exam

COOLING COIL PEAK										CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES				
Peaked at Time: Outside Air:					Mo/Hr: 8 / 15 OADB/WB/HR: 96 / 73 / 99					Mo/Hr: 7 / 15 OADB: 109					Mo/Hr: Heating Design OADB: 28									
Sens. + Lat.		Space	Plenum		Net		Percent	Space		Percent	Space Peak		Coil Peak		Percent									
Btu/h		Btu/h	Sens. + Lat. Btu/h		Total Btu/h		Of Total (%)	Sensible Btu/h		Of Total (%)	Space Sens Btu/h		Tot Sens Btu/h		Of Total (%)									
Envelope Loads										Envelope Loads														
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	399		399		6	0		0	0		-197		7.47									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0</														

Room Checksums

By JBACE

3A346A - Toilet

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES			
Peaked at Time: Outside Air:				Mo/Hr: 8 / 14 OADB/WB/HR: 95 / 73 / 99				Mo/Hr: Heating Design OADB: 28							
Sens. + Lat. Btu/h	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 (%)		SADB	Cooling	Heating	
0	0	0	0	0	0	0	Skylite Solar	0	0	0.00			55.0	72.3	
0	0	0	0	0	0	0	Skylite Cond	0	0	0.00			77.7	70.3	
0	139	139	139	7	0	0	Roof Cond	0	-70	4.39			78.9	70.3	
0	0	0	0	0	0	0	Glass Solar	0	0	0.00			78.9	70.3	
0	0	0	0	0	0	0	Glass/Door Cond	0	0	0.00			0.4	0.0	
0	0	0	0	0	0	0	Wall Cond	0	0	0.00			0.8	0.0	
0	0	0	0	0	0	0	Partition/Door	0	0	0.00			2.3	0.0	
0	0	0	0	0	0	0	Floor	0	0	0.00					
0	0	0	0	0	0	0	Adjacent Floor	0	0	0.00					
0	0	0	0	0	0	0	Infiltration	0	0	0.00					
0	139	139	139	7	0	0	Sub Total ==>	0	-70	4.39					
Internal Loads				Internal Loads								AIRFLOWS			
256	0	0	256	13	256	17	Lights	0	0	0.00			75	75	
0	0	0	0	0	0	0	People	0	0	0.00			75	75	
0	0	0	0	0	0	0	Misc	0	0	0.00			75	75	
256	0	0	256	13	256	17	Sub Total ==>	0	0	0.00			0	0	
43	-43	0	0	0	52	3	Ceiling Load	-26	0	0.00			0	0	
0	0	0	0	0	0	0	Ventilation Load	0	0	0.00			0	0	
0	0	0	0	0	0	0	Adj Air Trans Heat	0	0	0.00			0	0	
1,239	0	0	1,239	62	1,230	80	Ov/Undr Sizing	0	0	0.00			0	0	
0	0	0	0	0	0	0	Exhaust Heat	0	0	0.00			0	0	
89	89	0	267	13	0	0	OA Preheat Diff.	0	0	0.00			0.0	0.0	
0	0	0	0	0	0	0	RA Preheat Diff.	-1,445	0	90.32			1.50	1.50	
0	0	0	0	0	0	0	Additional Reheat	-85	0	5.30			452.38	301.59	
0	0	0	0	0	0	0	System Plenum Heat	0	0	0.00			39.79	-32.01	
0	0	0	0	0	0	0	Underflr Sup Ht Pkup	0	0	0.00			0	0	
0	0	0	0	0	0	0	Supply Air Leakage	0	0	0.00			0	0	
1,538	185	185	1,989	100.00	1,538	100.00	Grand Total ==>	-26	-1,600	100.00					
COOLING COIL SELECTION				HEATING COIL SELECTION				AREAS				ENGINEERING CKS			
Total Capacity ton	Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR °F	Leave DB/WB/HR °F	Gross Total	Glass ft²	(%)								
0.2	2.0	75	78.9	57.3	50	50	0	Floor	Main Htg	-1.6	75	51.5	72.3		
0.0	0.0	0	0.0	0.0	0	0	0	Part	Aux Htg	0.0	0	0.0	0.0		
0.0	0.0	0	0.0	0.0	0	0	0	Int Door	Preheat	0.0	0	0.0	0.0		
0.2	2.0	0	0.0	0.0	50	50	0	Roof	Humidif	0.0	0	0.0	0.0		
					0	0	0	Wall	Opt Vent	0.0	0	0.0	0.0		
					0	0	0	Ext Door	Total	-1.6					
COOLING COIL SELECTION				HEATING COIL SELECTION				ENGINEERING CKS							
Total Capacity ton	Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR °F	Leave DB/WB/HR °F	Gross Total	Glass ft²	(%)								
0.2	2.0	75	78.9	57.3	50	50	0	Floor	Main Htg	-1.6	75	51.5	72.3		
0.0	0.0	0	0.0	0.0	0	0	0	Part	Aux Htg	0.0	0	0.0	0.0		
0.0	0.0	0	0.0	0.0	0	0	0	Int Door	Preheat	0.0	0	0.0	0.0		
0.2	2.0	0	0.0	0.0	50	50	0	Roof	Humidif	0.0	0	0.0	0.0		
					0	0	0	Wall	Opt Vent	0.0	0	0.0	0.0		
					0	0	0	Ext Door	Total	-1.6					
COOLING COIL SELECTION				HEATING COIL SELECTION				ENGINEERING CKS							
Total Capacity ton	Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR °F	Leave DB/WB/HR °F	Gross Total	Glass ft²	(%)								
0.2	2.0	75	78.9	57.3	50	50	0	Floor	Main Htg	-1.6	75	51.5	72.3		
0.0	0.0	0	0.0	0.0	0	0	0	Part	Aux Htg	0.0	0	0.0	0.0		
0.0	0.0	0	0.0	0.0	0	0	0	Int Door	Preheat	0.0	0	0.0	0.0		
0.2	2.0	0	0.0	0.0	50	50	0	Roof	Humidif	0.0	0	0.0	0.0		
					0	0	0	Wall	Opt Vent	0.0	0	0.0	0.0		
					0	0	0	Ext Door	Total	-1.6					

Room Checksums

By JBACE

3A347 - Exam

COOLING COIL PEAK										CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES						
Peaked at Time: Outside Air:				Mo/Hr: 8 / 15 OADB/WB/HR: 96 / 73 / 99				Mo/Hr: 7 / 15 OADB: 109				Mo/Hr: Heating Design OADB: 28												
Sens. + Lat.		Space	Plenum		Net		Percent	Space		Percent	Space Peak		Coil Peak		Percent	SADB		Cooling	Heating					
Btu/h		Btu/h	Sens. + Lat Btu/h		Total Btu/h		Of Total (%)	Sensible Btu/h		Of Total (%)	Space Sens Btu/h		Tot Sens Btu/h		Of Total (%)									
Envelope Loads										Envelope Loads														
Skylite Solar										Skylite Solar														
Skylite Cond										Skylite Cond														
Roof Cond										Roof Cond														
Glass Solar										Glass Solar														
Glass/Door Cond										Glass/Door Cond														
Wall Cond										Wall Cond														
Partition/Door										Partition/Door														
Floor										Floor														
Adjacent Floor										Adjacent Floor														
Infiltration										Infiltration														
Sub Total/ ==>										Sub Total/ ==>														
Internal Loads										Internal Loads										AIRFLOWS				
Lights										Lights										Cooling				Heating
People										People										148				74
Misc										Misc										148				74
Sub Total/ ==>										Sub Total/ ==>										148				74
Ceiling Load										Ceiling Load										0				0
Ventilation Load										Ventilation Load										0				0
Adj Air Trans Heat										Adj Air Trans Heat										0				0
Dehumid. Ov Sizing										Ov/Undr Sizing										0				0
Exhaust Heat										Exhaust Heat										0				0
Ret. Fan Heat										OA Preheat Diff.										0				0
Duct Heat Pkup										RA Preheat Diff.										0				0
Underflr Sup Ht Pkup										Additional Reheat										0				0
Supply Air Leakage										System Plenum Heat										0				0
Grand Total/ ==>										Underflr Sup Ht Pkup										0				0
										Supply Air Leakage										0				0
										Grand Total/ ==>										-2,632				100.00

Room Checksums

By JBACE

3A347A - Toilet

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES			
Peaked at Time: Outside Air:				Mo/Hr: 8 / 14 OADB/WB/HR: 95 / 73 / 99				Mo/Hr: Heating Design OADB: 28							
Sens. + Lat. Btu/h	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 (%)		SADB	Cooling	Heating	
0	0	0	0	0	0	0	Skylite Solar	0	0	0.00			55.0	72.3	
0	0	0	0	0	0	0	Skylite Cond	0	0	0.00			77.7	70.3	
0	139	139	139	7	0	0	Roof Cond	0	-70	4.39			78.9	70.3	
0	0	0	0	0	0	0	Glass Solar	0	0	0.00			78.9	70.3	
0	0	0	0	0	0	0	Glass/Door Cond	0	0	0.00			0.4	0.0	
0	0	0	0	0	0	0	Wall Cond	0	0	0.00			0.8	0.0	
0	0	0	0	0	0	0	Partition/Door	0	0	0.00			2.3	0.0	
0	0	0	0	0	0	0	Floor	0	0	0.00					
0	0	0	0	0	0	0	Adjacent Floor	0	0	0.00					
0	0	0	0	0	0	0	Infiltration	0	0	0.00					
0	139	139	139	7	0	0	Sub Total ==>	0	-70	4.39					
Internal Loads				Internal Loads								AIRFLOWS			
256	0	0	256	13	256	17	Lights	0	0	0.00			75	75	
0	0	0	0	0	0	0	People	0	0	0.00			75	75	
0	0	0	0	0	0	0	Misc	0	0	0.00			75	75	
256	0	0	256	13	256	17	Sub Total ==>	0	0	0.00			0	0	
43	-43	0	0	0	52	3	Ceiling Load	-26	0	0.00			0	0	
0	0	0	0	0	0	0	Ventilation Load	0	0	0.00			0	0	
0	0	0	0	0	0	0	Adj Air Trans Heat	0	0	0			0	0	
1,239	0	0	1,239	62	1,230	80	Ov/Undr Sizing	0	0	0.00			0	0	
0	0	0	0	0	0	0	Exhaust Heat	0	0	0.00			0	0	
89	89	0	267	13	0	0	OA Preheat Diff.	0	0	0.00			0.0	0.0	
0	0	0	0	0	0	0	RA Preheat Diff.	-1,445	0	90.32			1.50	1.50	
0	0	0	0	0	0	0	Additional Reheat	-85	0	5.30			452.38	301.59	
0	0	0	0	0	0	0	System Plenum Heat	0	0	0.00			39.79	-32.01	
0	0	0	0	0	0	0	Underflr Sup Ht Pkup	0	0	0.00			0	0	
0	0	0	0	0	0	0	Supply Air Leakage	0	0	0.00			0	0	
1,538	185	185	1,989	100.00	1,538	100.00	Grand Total ==>	-26	-1,600	100.00					
COOLING COIL SELECTION				HEATING COIL SELECTION				AREAS				ENGINEERING CKS			
Total Capacity ton	Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR °F	Leave DB/WB/HR °F	Gross Total	Glass ft²	(%)								
0.2	2.0	75	78.9	57.3	50	0	0	Floor	50	0	0	Main Htg	-1.6	75	51.5
0.0	0.0	0	0.0	0.0	0	0	0	Part	0	0	0	Aux Htg	0.0	0	0.0
0.0	0.0	0	0.0	0.0	0	0	0	Int Door	0	0	0	Preheat	0.0	0	0.0
0.2	2.0	0	0.0	0.0	50	0	0	ExFlr	0	0	0	Humidif	0.0	0	0.0
					0	0	0	Roof	0	0	0	Opt Vent	0.0	0	0.0
					0	0	0	Wall	0	0	0	Total	-1.6		
								Ext Door							

Room Checksums

By JBACE

3A348 - Exam

COOLING COIL PEAK										CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES				
Peaked at Time: Outside Air:					Mo/Hr: 8 / 15 OADB/WB/HR: 96 / 73 / 99					Mo/Hr: 7 / 15 OADB: 109					Mo/Hr: Heating Design OADB: 28									
Sens. + Lat.		Space	Plenum		Net		Percent	Space		Percent	Space Peak		Coil Peak		Percent									
Btu/h		Btu/h	Sens. + Lat Btu/h		Total Btu/h		Of Total (%)	Sensible Btu/h		Of Total (%)	Space Sens Btu/h		Tot Sens Btu/h		Of Total (%)									
Envelope Loads										Envelope Loads														
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	388		388		6	0		0	0		-191		7.45									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	388		388		6	0		0	0		-191		7.45									
0		0	388		388		6	0		0	0		-191		7.45									
Internal Loads										Internal Loads										AIRFLOWS				
1,393		1,393	0		1,393		21	1,393		47	0		0		0.00	Cooling								
900		900	0		900		14	500		17	0		0		0.00	Heating								
928		928	0		928		14	928		31	0		0		0.00	72								
3,221		3,221	0		3,221		49	2,821		95	0		0		0.00	72								
118		118	-118		0		0	141		5	-72		0		0.00	144								
0		0	0		2,374		36	0		0	0		-1,832		71.47	144								
0		0	0		0		0	0		0	0		0		0	144								
0		0	0		0		0	0		0	0		0		0	0								
0		0	0		0		0	0		0	0		0		0	0								
0		0	0		0		0	0		0	0		0		0	0								
0		0	0		0		0	0		0	0		0		0	0								
0		0	0		0		0	0		0	0		0		0	0								
0		0	0		0		0	0		0	0		0		0	0								
0		0	0		0		0	0		0	0		0		0	0								
0		0	0		0		0	0		0	0		0		0	0								
0		0	0		0		0	0		0	0		0		0	0								
0		0	0		0		0	0		0	0		0		0	0								
0		0	0		0		0	0		0	0		0		0	0								
0		0	0		0		0	0		0	0		0		0	0								
0		0	0		0		0	0		0	0		0		0	0								
0		0	0		0		0	0		0	0		0		0	0								
0		0	0		0		0	0		0	0		0		0	0								
0		0	0		0		0	0		0	0		0		0	0								
0		0	0		0		0	0		0	0		0		0	0								
0		0	0		0		0	0		0	0		0		0	0								
0		0	0		0		0	0		0	0		0		0	0								
0		0	0		0		0	0		0	0		0		0	0								
0		0	0		0		0	0		0	0		0		0	0								
0		0	0		0		0	0		0	0		0		0	0								
0		0	0		0		0	0		0	0		0		0	0								
0		0	0		0		0	0		0	0		0		0	0								
0		0	0		0		0	0		0	0		0		0	0								
0		0	0		0		0	0		0	0		0		0	0								
0		0	0		0		0	0		0	0		0		0	0								
0		0	0		0		0	0		0	0		0		0	0								
0		0	0		0		0	0		0	0		0		0	0								
0		0	0		0		0	0		0	0		0		0	0								
0		0	0		0		0	0		0	0		0		0	0								
0		0	0		0		0	0		0	0		0		0	0								
0		0	0		0		0	0		0	0		0		0	0								
0		0	0		0		0	0		0	0		0		0	0								
0		0	0		0		0	0		0	0		0		0									

By JBACE

3A348A - Toilet

COOLING COIL PEAK										CLG SPACE PEAK										HEATING COIL PEAK										TEMPERATURES														
Peaked at Time: Outside Air:					Mo/Hr: 8 / 14 OADBWB/HR: 95 / 73 / 99					Mo/Hr: 7 / 15 OADB: 109					Mo/Hr: Heating Design OADB: 28																													
Sens. + Lat.		Space	Plenum		Net		Percent	Space		Percent	Space Peak		Coil Peak	Percent																														
Btu/h		Btu/h	Sens. + Lat Btu/h		Total Btu/h		Of Total (%)	Sensible Btu/h		Of Total (%)	Btu/h		Space Sens Btu/h	Tot Sens Btu/h																														
Envelope Loads															Envelope Loads																													
0		0	0		0		0	0		0	0		0	0																														
0		0	0		0		0	0		0	0		0	0																														
0		0	139		139		7	0		0	0		0	-70																														
0		0	0		0		0	0		0	0		0	0																														
0		0	0		0		0	0		0	0		0	0																														
0		0	0		0		0	0		0	0		0	0																														
0		0	0		0		0	0		0	0		0	0																														
0		0	0		0		0	0		0	0		0	0																														
0		0	0		0		0	0		0	0		0	0																														
0		0	0		0		0	0		0	0		0	0																														
0		0	0		0		0	0		0	0		0	0																														
0		0	139		139		7	0		0	0		0	-70																														
0		0	0		0		0	0		0	0		0	0																														
Internal Loads															Internal Loads																													
256		0	0		256		13	256		17	0		0	0																														
0		0	0		0		0	0		0	0		0	0																														
0		0	0		0		0	0		0	0		0	0																														
256		0	0		256		13	256		17	0		0	0																														
0		0	0		0		0	0		0	0		0	0																														
43		-43	0		0		0	52		3	-26		0	0																														
0		0	0		0		0	0		0	0		0	0																														
0		0	0		0		0	0		0	0		0	0																														
1,239		0	0		1,239		62	1,230		80	0		0	0																														
0		0	0		0		0	0		0	0		0	0																														
0		0	0		0		0	0		0	0		0	0																														
89		89	0		267		13	0		0	-1,445		0	90.32																														
0		0	0		89		4	0		0	-85		0	5.30																														
0		0	0		0		0	0		0	0		0	0																														
0		0	0		0		0	0		0	0		0	0																														
0		0	0		0		0	0		0	0		0	0																														
1,538		185	0		1,989		100.00	1,538		100.00	-26		-26	-1,600																														
Grand Total ==>		Grand Total ==>																		100.00																								

COOLING COIL SELECTION										HEATING COIL SELECTION									
Total Capacity		Sens Cap.		Coil Airflow		Enter DBWB/HR		Leave DBWB/HR		Capacity		Coil Airflow		Ent		Lvgrg			
ton		MBh		cfm		°F		°F		MBh		cfm		°F		°F			
0.2		2.0		75		51.5		41.7		-1.6		75		51.5		72.3			
0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0		0.0			
0.0		0.0		0		0.0		0.0		0.0		0		0.0		0.0			
0.2		2.0		0		0.0		0.0		0.0		0		0.0		0.0			
Total		0.2		0		0.0		0.0		0.0		0		0.0		0.0			

ENGINEERING CKS									
Cooling		Heating							
% OA		0.0		0.0		0.0		0.0	
cfm/ft²		1.50		1.50		1.50		1.50	
cfm/ton		452.38		452.38		452.38		452.38	
ft³/ton		301.59		301.59		301.59		301.59	
Btu/hr-ft²		39.79		39.79		39.79		39.79	
No. People		0		0		0		0	

Main Clg		Main Htg							
Aux Clg		Aux Htg							
Opt Vent		Preheat							
Total		Humidif							
		Opt Vent							
		Total							

By JBACE

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES			
Peaked at Time: Mo/Hr: 8 / 15				Mo/Hr: 7 / 15				Mo/Hr: Heating Design							
Outside Air: OADB/WB/HR: 96 / 73 / 99				OADB: 109				OADB: 28							
Space Sens. + Lat. Btu/h		Plenum Sens. + Lat. Btu/h		Net Total Btu/h		Space Sensible Btu/h		Space Peak Space Sens Btu/h		Coil Peak Tot Sens Btu/h		SADB Ra Plenum Return Ret/OA Fn MtrTD Fn BldTD Fn Frict		Cooling Heating	
0		0		0		0		0		0		55.0 73.0 77.7 70.3 78.9 83.8 0.4 0.8 2.3		73.0 70.3 70.3 46.1 0.0 0.0 0.0	
Envelope Loads				Envelope Loads				Envelope Loads							
Skiylite Solar				Skiylite Solar				Skiylite Solar							
0.00				0.00				0.00							

[illegible]

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	MBh	cfm	°F	°F	gr/lb	°F	°F		ft²	(%)	MBh	cfm	°F	cfm	°F	°F	°F	°F	
Main Clg	0.6	7.2	5.2	156	83.8	62.6	58.3	51.5	45.0	37.9	Floor	151						Main Htg	79	51.5	73.0
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
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	45	28.2	51.5
											ExFlr	0									
Total/	0.6	7.2									151	0	0	0	0.0	0	0.0	Humidif	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	-2.8	Total/					

Room Checksums

By JBACE

3A349A - Toilet

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES			
Peaked at Time: Outside Air:				Mo/Hr: 8 / 14 OADB/WB/HR: 95 / 73 / 99				Mo/Hr: Heating Design OADB: 28							
Sens. + Lat. Btu/h	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 Btu/h	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)		SADB	Cooling	Heating	
0	0	0	0	0	0	0	Envelope Loads	0	0	0.00			55.0	72.3	
0	0	0	0	0	0	0	SkyLite Solar	0	0	0.00			77.7	70.3	
0	0	139	139	7	0	0	SkyLite Cond	0	0	0.00			78.9	70.3	
0	0	0	0	0	0	0	Roof Cond	0	-70	4.39			78.9	70.3	
0	0	0	0	0	0	0	Glass Solar	0	0	0.00			0.4	0.0	
0	0	0	0	0	0	0	Glass/Door Cond	0	0	0.00			0.8	0.0	
0	0	0	0	0	0	0	Wall Cond	0	0	0.00			2.3	0.0	
0	0	0	0	0	0	0	Partition/Door	0	0	0.00					
0	0	0	0	0	0	0	Floor	0	0	0.00					
0	0	0	0	0	0	0	Adjacent Floor	0	0	0.00					
0	0	0	0	0	0	0	Infiltration	0	0	0.00					
0	0	139	139	7	0	0	Sub Total ==>	0	-70	4.39					
Internal Loads				Internal Loads								AIRFLOWS			
256	43	0	256	13	256	17	Lights	0	0	0.00			75	75	
0	0	0	0	0	0	0	People	0	0	0.00			75	75	
0	0	0	0	0	0	0	Misc	0	0	0.00			75	75	
256	0	0	256	13	256	17	Sub Total ==>	0	0	0.00			0	0	
43	0	-43	0	0	52	3	Ceiling Load	-26	0	0.00			0	0	
0	0	0	0	0	0	0	Ventilation Load	0	0	0.00			0	0	
0	0	0	0	0	0	0	Adj Air Trans Heat	0	0	0.00			0	0	
1,239	1,239	0	1,239	62	1,230	80	Ov/Undr Sizing	0	0	0.00			0	0	
0	0	0	0	0	0	0	Exhaust Heat	0	0	0.00			0	0	
89	89	0	267	13	0	0	OA Preheat Diff.	0	0	0.00			0	0	
0	0	0	0	0	0	0	RA Preheat Diff.	0	0	0.00			0	0	
0	0	0	0	0	0	0	Additional Reheat	-1,445	0	90.32			1.50	1.50	
0	0	0	0	0	0	0	System Plenum Heat	-85	0	5.30			452.38	301.59	
0	0	0	0	0	0	0	Underfir Sup Ht Pkup	0	0	0.00			39.79	-32.01	
0	0	0	0	0	0	0	Supply Air Leakage	0	0	0.00			0	0	
1,538	185	0	1,989	100.00	1,538	100.00	Grand Total ==>	-26	-1,600	100.00					
COOLING COIL SELECTION				HEATING COIL SELECTION				AREAS				ENGINEERING CKS			
Total Capacity ton	Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR °F	Leave DB/WB/HR °F	Gross Total	Glass ft²	(%)								
0.2	2.0	75	78.9	57.3	50	0	0	Main Htg	-1.6	75	51.5	72.3			
0.0	0.0	0	0	0	0	0	0	Aux Htg	0.0	0	0.0	0.0			
0.0	0.0	0	0	0	0	0	0	Preheat	0.0	0	0.0	0.0			
0.2	2.0	0	0	0	50	0	0	Humidif	0.0	0	0.0	0.0			
					0	0	0	Opt Vent	0.0	0	0.0	0.0			
					0	0	0	Total	-1.6						
Grand Total ==>				Grand Total ==>				Grand Total ==>				Grand Total ==>			
0.2	2.0	75	78.9	57.3	50	0	0	Main Htg	-1.6	75	51.5	72.3			
0.0	0.0	0	0	0	0	0	0	Aux Htg	0.0	0	0.0	0.0			
0.0	0.0	0	0	0	0	0	0	Preheat	0.0	0	0.0	0.0			
0.2	2.0	0	0	0	50	0	0	Humidif	0.0	0	0.0	0.0			
					0	0	0	Opt Vent	0.0	0	0.0	0.0			
					0	0	0	Total	-1.6						

Room Checksums

By JBACE

3A350 - Bariatric / Tele Med RM

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES			
Peaked at Time: Outside Air:				Mo/Hr: 8 / 15 OADB/WB/HR: 96 / 73 / 99				Mo/Hr: 7 / 15 OADB: 109				Mo/Hr: Heating Design OADB: 28			
Sens. + Lat.	Space	Plenum	Net	Space	Percent	Space	Percent	Space Peak	Coil Peak	Percent		SADB	Cooling	Heating	
Sens. + Lat.	Btu/h	Sens. + Lat.	Total	Sensible	Of Total	Sensible	Of Total	Space Sens	Tot Sens	Of Total		Ra Plenum			
Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)		Return			
												Ret/OA			
												Fn MtrTD			
												Fn BldTD			
												Fn Frict			
Envelope Loads				Envelope Loads											
SkyLite Solar	0	0	0	0	0	0	0	0	0	0.00					
SkyLite Cond	0	0	0	0	0	0	0	0	0	0.00					
Roof Cond	0	433	433	6	6	0	0	0	-213	7.37					
Glass Solar	0	0	0	0	0	0	0	0	0	0.00					
Glass/Door Cond	0	0	0	0	0	0	0	0	0	0.00					
Wall Cond	0	0	0	0	0	0	0	0	0	0.00					
Partition/Door	0	0	0	0	0	0	0	0	0	0.00					
Floor	0	0	0	0	0	0	0	0	0	0.00					
Adjacent Floor	0	0	0	0	0	0	0	0	0	0.00					
Infiltration	0	0	0	0	0	0	0	0	0	0.00					
Sub Total ==>	0	433	433	6	6	0	0	0	-213	7.37					
Internal Loads				Internal Loads											
Lights	1,556	0	1,556	21	21	1,556	48	0	0	0.00					
People	900	0	900	12	12	500	15	0	0	0.00					
Misc	1,038	0	1,038	14	14	1,038	32	0	0	0.00					
Sub Total ==>	3,494	0	3,494	47	47	3,094	95	0	0	0.00					
Ceiling Load	132	-132	0	0	0	158	5	-80	0	0.00					
Ventilation Load	0	0	2,801	38	38	0	0	0	-2,162	74.65					
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	0	0	0	0	0	0	0	0	0.00					
Sup. Fan Heat	129	0	559	8	8	0	0	-600	0	20.73					
Ret. Fan Heat	0	0	129	2	2	0	0	80	0	-2.75					
Duct Heat PkUp	0	0	0	0	0	0	0	0	0	0.00					
Underflr Sup Ht PkUp	0	0	0	0	0	0	0	0	0	0.00					
Supply Air Leakage	0	0	0	0	0	0	0	0	0	0.00					
Grand Total ==>	3,626	431	7,417	100.00	100.00	3,251	100.00	-80	-2,896	100.00					

AIRFLOWS				ENGINEERING CKS			
	Cooling	Heating			Cooling	Heating	
Diffuser	159	79		% OA	30.4	60.7	
Terminal	159	79		cfm/ft²	1.04	0.52	
Main Fan	159	79		cfm/ton	256.53		
Sec Fan	0	0		ft²/ton	245.91		
Nom Vent	48	48		Btu/hr-ft²	48.80	-19.05	
AHU Vent	48	48		No. People	2		
Infil	0	0					
MinStop/Rh	79	79					
Return	110	31					
Exhaust	0	0					
Rm Exh	48	48					
Auxiliary	0	0					
Leakage Dwn	0	0					
Leakage Ups	0	0					

HEATING COIL SELECTION			
Capacity	Coil Airflow	Ent	Lvg
MBh	cfm	°F	°F
Main Htg	-1.7	79	51.5
Aux Htg	0.0	0	0.0
Preheat	-1.2	48	28.2
Humidif	0.0	0	0.0
Opt Vent	0.0	0	0.0
Total	-2.9		

AREAS			
Gross Total	Glass	Glass	
	ft²	ft² (%)	
Floor	152		
Part	0		
Int Door	0		
ExFlr	0		
Roof	152		
Wall	0		
Ext Door	0		

COOLING COIL SELECTION			
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR
ton	MBh	cfm	°F gr/lb
Main Clg	0.6	7.4	5.2
Aux Clg	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0
Total	0.6	7.4	5.2

Room Checksums

By JBACE

3A350A - Toilet

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES			
Peaked at Time: Outside Air:				Mo/Hr: 8 / 14 OADB/WB/HR: 95 / 73 / 99				Mo/Hr: Heating Design OADB: 28				SADB			
Sens. + Lat.	Space	Plenum	Net	Space	Percent	Space	Percent	Space Peak	Coil Peak	Percent		Cooling	Heating		
Sens. + Lat.	Btu/h	Sens. + Lat.	Total	Sensible	Of Total	Sensible	Of Total	Space Sens	Tot Sens	Of Total					
Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)					
Envelope Loads															
Skylite Solar	0	0	0	0	0	0	0	0	0	0.00					
Skylite Cond	0	0	0	0	0	0	0	0	0	0.00					
Roof Cond	0	200	200	0	7	0	0	0	-101	4.16					
Glass Solar	0	0	0	0	0	0	0	0	0	0.00					
Glass/Door Cond	0	0	0	0	0	0	0	0	0	0.00					
Wall Cond	0	0	0	0	0	0	0	0	0	0.00					
Partition/Door	0	0	0	0	0	0	0	0	0	0.00					
Floor	0	0	0	0	0	0	0	0	0	0.00					
Adjacent Floor	0	0	0	0	0	0	0	0	0	0.00					
Infiltration	0	0	0	0	0	0	0	0	0	0.00					
Sub Total / ==>	0	200	200	0	7	0	0	0	-101	4.16					
Internal Loads															
Lights	369	0	369	0	12	369	16	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 / ==>	369	0	369	0	12	369	16	0	0	0.00					
Ceiling Load	62	-62	0	0	0	75	3	-38	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	0.00					
Dehumid. Ov Sizing	1,907	0	0	0	0	1,894	81	0	0	0.00					
Ov/Undr Sizing			1,907	63	0					0.00					
Exhaust Heat		0	0	0	0					0.00					
Sup. Fan Heat		135	405	13	0					0.00					
Ret. Fan Heat		0	135	4	0					0.00					
Duct Heat PkUp		0	0	0	0					0.00					
Underflr Sup Ht PkUp		0	0	0	0					0.00					
Supply Air Leakage		0	0	0	0					0.00					
Grand Total / ==>	2,338	273	3,016	100.00		2,338	100.00	-38	-2,431	100.00					
COOLING COIL SELECTION															
Total Capacity	Sens Cap.	Coil Airflow	Enter	Leave											
ton	MBh	cfm	°F	°F	gr/lb	gr/lb	°F	°F	ft²	(%)					
Main Clg	0.3	3.0	114	78.9	57.3	41.7	51.5	46.1	72						
Aux Clg	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						
Total	0.3	3.0							72						
HEATING COIL SELECTION															
Capacity	Coil Airflow	Ent													
MBh	cfm	°F	°F	ft²	(%)										
Main Htg	-2.4	114	51.5	72.3											
Aux Htg	0.0	0	0.0	0.0											
Preheat	0.0	0	0.0	0.0											
Humidif	0.0	0	0.0	0.0											
Opt Vent	0.0	0	0.0	0.0											
Total	-2.4														
ENGINEERING CKS															
% OA	Cooling	Heating													
	0.0	0.0													
cfm/ft²	1.58	1.58													
cfm/ton	453.54														
ft²/ton	286.44														
Btu/hr-ft²	41.89	-33.76													
No. People	0														

Room Checksums

By JBACE

3A351 - Soil

COOLING COIL PEAK										CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES				
Peaked at Time: Outside Air:					Mo/Hr: 8 / 15 OADB/WB/HR: 96 / 73 / 99					Mo/Hr: 7 / 15 OADB: 109					Mo/Hr: Heating Design OADB: 28									
Sens. + Lat.		Space	Plenum		Net		Percent	Space		Percent	Space Peak		Coil Peak		Percent									
Btu/h		Btu/h	Sens. + Lat. Btu/h		Total Btu/h		Of Total (%)	Sensible Btu/h		Of Total (%)	Space Sens Btu/h		Tot Sens Btu/h		Of Total (%)									
Envelope Loads																								
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		117	117		117		15	0		0	0		-58		14.08									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0	0		0	0		0		0									
0		0	0		0		0																	

Room Checksums

By JBACE

3A352 - Clean Linen

COOLING COIL PEAK										CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES				
Peaked at Time: Outside Air:					Mo/Hr: 8 / 15 OADB/WB/HR: 96 / 73 / 99					Mo/Hr: 7 / 15 OADB: 109					Mo/Hr: Heating Design OADB: 28									
Sens. + Lat.		Space	Plenum		Net		Percent	Space		Percent	Space Peak		Coil Peak		Percent									
Sens. + Lat.		Btu/h	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		Btu/h		(%)									
Envelope Loads																								
Skylite Solar		0	0		0		0	0		0	0		0		0									
Skylite Cond		0	0		0		0	0		0	0		0		0									
Roof Cond		0	334		334		8	0		0	-164		-164		9.77									
Glass Solar		0	0		0		0	0		0	0		0		0									
Glass/Door Cond		0	0		0		0	0		0	0		0		0									
Wall Cond		0	0		0		0	0		0	0		0		0									
Partition/Door		0	0		0		0	0		0	0		0		0									
Floor		0	0		0		0	0		0	0		0		0									
Adjacent Floor		0	0		0		0	0		0	0		0		0									
Infiltration		0	0		0		0	0		0	0		0		0									
Sub Total/ ==>		0	334		334		8	0		0	-164		-164		9.77									
Internal Loads																								
Lights		799	0		799		19	799		52	0		0		0									
People		368	0		368		9	205		13	0		0		0									
Misc		399	0		399		9	399		26	0		0		0									
Sub Total/ ==>		1,566	0		1,566		37	1,403		92	0		0		0									
Ceiling Load		102	-102		0		0	121		8	-62		0		0									
Ventilation Load		0	0		2,043		48	0		0	0		-1,576		93.75									
Adj Air Trans Heat		0	0		0		0	0		0	0		0		0									
Dehumid. Ov Sizing		0	0		0		0	0		0	0		0		0									
Ov/Undr Sizing		0	0		0		0	0		0	0		0		0									
Exhaust Heat		0	0		0		0	0		0	0		0		0									
Sup. Fan Heat		0	45		261		6	0		0	-40		0		2.36									
Ret. Fan Heat		0	0		45		1	0		0	99		0		0									
Duct Heat PkUp		0	0		0		0	0		0	0		0		-5.88									
Underfir Sup Ht PkUp		0	0		0		0	0		0	0		0		0									
Supply Air Leakage		0	0		0		0	0		0	0		0		0									
Grand Total/ ==>		1,668	277		4,249		100.00	1,524		100.00	-62		-1,681		100.00									
ENGINEERING CKS																								
% OA		Cooling		Heating																				
cfm/ft²		47.2		94.5																				
cfm/ton		0.64		0.32																				
ft³/ton		209.88		330.46																				
Btu/hr-ft²		36.31		-14.37																				
No. People		1		1																				

COOLING COIL SELECTION										HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR						Capacity	Coil Airflow	Ent		
ton	MBh	cfm	°F	°F	gr/lb	gr/lb	gr/lb	gr/lb	gr/lb	MBh	cfm	°F		
Main Clg	0.4	4.3	2.8	73	87.0	65.7	69.1	51.5	44.4	35.8	-0.8	37	51.5	73.6
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	-0.8	35	28.2	51.5
Total/	0.4	4.3									0.0	0	0.0	0.0
											0.0	0	0.0	0.0
											-1.7			

Room Checksums

By JBACE

3A353 - Supply

COOLING COIL PEAK										CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES			
Peaked at Time: Outside Air:				Mo/Hr: 8 / 15 OADB/WB/HR: 96 / 73 / 99				Mo/Hr: 7 / 15 OADB: 109				Mo/Hr: Heating Design OADB: 28									
Sens. + Lat.		Space	Plenum		Net		Percent		Space		Percent		Space Peak		Coil Peak		Percent				
Btu/h		Btu/h	Sens. + Lat Btu/h		Total Btu/h		Of Total (%)		Sensible Btu/h		Of Total (%)		Space Sens Btu/h		Tot Sens Btu/h		Of Total (%)				
Envelope Loads																					
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		97	0		97		19		0		0		0		-48		16.24				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0																			

Room Checksums

By JBACE

3A354 - Storage

COOLING COIL PEAK										CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES			
Peaked at Time: Outside Air:				Mo/Hr: 8 / 15 OADB/WB/HR: 96 / 73 / 99				Mo/Hr: 7 / 15 OADB: 109				Mo/Hr: Heating Design OADB: 28									
Sens. + Lat.		Space	Plenum		Net		Percent		Space		Percent		Space Peak		Coil Peak		Percent				
Btu/h		Btu/h	Sens. + Lat. Btu/h		Total Btu/h		Of Total (%)		Sensible Btu/h		Of Total (%)		Space Sens Btu/h		Tot Sens Btu/h		Of Total (%)				
Envelope Loads																					
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	74		74		19		0		0		0		-37		16.24				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0										

By JBACE

3A355 - Mental Health Office

COOLING COIL PEAK										CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES				
Peaked at Time: Outside Air:					Mo/Hr: 8 / 15 OADBWB/HR: 96 / 73 / 99					Mo/Hr: 7 / 15 OADB: 109					Mo/Hr: Heating Design OADB: 28									
Sens. + Lat.		Space	Plenum		Net		Percent	Space		Percent	Space Peak		Coil Peak		Percent									
Btu/h		Btu/h	Sens. + Lat. Btu/h		Total Btu/h		Of Total (%)	Sensible Btu/h		Of Total (%)	Space Sens Btu/h		Tot Sens Btu/h		Of Total (%)									
Envelope Loads																								
Skylite Solar		0	0		0		0	0		0	0		0		0.00									
Skylite Cond		0	0		0		0	0		0	0		0		0.00									
Roof Cond		0	382		382		6	0		0	0		-188		8.37									
Glass Solar		0	0		0		0	0		0	0		0		0.00									
Glass/Door Cond		0	0		0		0	0		0	0		0		0.00									
Wall Cond		0	0		0		0	0		0	0		0		0.00									
Partition/Door		0	0		0		0	0		0	0		0		0.00									
Floor		0	0		0		0	0		0	0		0		0.00									
Adjacent Floor		0	0		0		0	0		0	0		0		0.00									
Infiltration		0	0		0		0	0		0	0		0		0.00									
Sub Total / ==>		0	382		382		6	0		0	0		-188		8.37									
Internal Loads																								
Lights		1,372	0		1,372		23	1,372		43	0		0		0.00									
People		1,350	0		1,350		23	750		24	0		0		0.00									
Misc		915	0		915		15	915		29	0		0		0.00									
Sub Total / ==>		3,637	0		3,637		61	3,037		96	0		0		0.00									
Ceiling Load		116	-116		0		0	139		4	-71		0		0.00									
Ventilation Load		0	0		1,341		22	0		0	0		-1,035		46.05									
Adj Air Trans Heat		0	0		0		0	0		0	0		0		0									
Dehumid. Ov Sizing		0	0		0		0	0		0	0		0		0.00									
Ov/Undr Sizing													39		-1.76									
Exhaust Heat			-92		-92		-2	0		0	0		-1,048		46.65									
Ret. Fan Heat			182		182		9	547		9	0		0		0.00									
Duct Heat PkUp			0		0		0	182		3	0		-15		0.69									
Underflr Sup Ht Pkup			0		0		0	0		0	0		0		0.00									
Supply Air Leakage			0		0		0	0		0	0		0		0.00									
Grand Total / ==>		3,753	356		5,997		100.00	3,176		100.00	-71		-2,247		100.00									
ENGINEERING CKS																								
% OA													Cooling		Heating									
cfm/ft²													14.9		29.8									
cfm/ton													1.16		0.58									
ft³/ton													309.90											
Btu/hr-ft²													288.15											
No. People													44.75		-16.77									
													3											

COOLING COIL SELECTION										HEATING COIL SELECTION									
Total Capacity ton	Sens Cap. MBh	Coil Airflow cfm	Enter DBWB/HR °F	Leave DBWB/HR °F	gr/lb	gr/lb	Gross Total	Glass ft²	(%)										
Main Clg	0.5	6.0	154	81.4	60.1	50.3	134												
Aux Cig	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												
Total/	0.5	6.0																	
										Main Htg	77	51.5	72.9						
										Aux Htg	0	0.0	0.0						
										Preheat	-0.6	23	28.2	51.5					
										Humidif	0	0	0						
										Opt Vent	0	0	0						
										Total	-2.3								

Room Checksums

By JBACE

3A356 - Mental Health Office

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES			
Peaked at Time: Outside Air:				Mo/Hr: 8 / 15 OADB/WB/HR: 96 / 73 / 99				Mo/Hr: Heating Design OADB: 28							
Sens. + Lat.	Space	Plenum	Net	Space	Percent	Space	Percent	Space Peak	Coil Peak	Percent		SADB	Cooling	Heating	
Sens. + Lat.	Btu/h	Sens. + Lat.	Total	Sensible	Of Total	Sensible	Of Total	Space Sens	Tot Sens	Of Total		Ra Plenum	77.7	72.9	
Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)		Return	77.3	70.3	
Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)		Ret/OA	81.4	57.8	
Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)		Fn MtrTD	0.4	0.0	
Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)		Fn BldTD	0.8	0.0	
Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)		Fn Frict	2.3	0.0	
Envelope Loads															
SkyLite Solar	0	0	0	0	0	0	0	0	0	0.00					
SkyLite Cond	0	0	0	0	0	0	0	0	0	0.00					
Roof Cond	0	382	382	6	6	0	0	0	-188	8.37					
Glass Solar	0	0	0	0	0	0	0	0	0	0.00					
Glass/Door Cond	0	0	0	0	0	0	0	0	0	0.00					
Wall Cond	0	0	0	0	0	0	0	0	0	0.00					
Partition/Door	0	0	0	0	0	0	0	0	0	0.00					
Floor	0	0	0	0	0	0	0	0	0	0.00					
Adjacent Floor	0	0	0	0	0	0	0	0	0	0.00					
Infiltration	0	0	0	0	0	0	0	0	0	0.00					
Sub Total / ==>	0	382	382	6	6	0	0	0	-188	8.37					
Internal Loads															
Lights	1,372	0	1,372	23	23	1,372	43	0	0	0.00					
People	1,350	0	1,350	23	23	750	24	0	0	0.00					
Misc	915	0	915	15	15	915	29	0	0	0.00					
Sub Total / ==>	3,637	0	3,637	61	61	3,037	96	0	0	0.00					
Ceiling Load	116	-116	0	0	0	139	4	-71	0	0.00					
Ventilation Load	0	0	1,341	22	22	0	0	0	-1,035	46.05					
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	-92	0	0	-2	0	0	0	39	-1.76					
Exhaust Heat	0	0	-92	0	0	0	0	0	0	0.00					
Sup. Fan Heat	182	182	547	9	3	0	0	-1,048	0	46.65					
Ret. Fan Heat	0	0	182	3	3	0	0	-15	0	0.69					
Duct Heat PkUp	0	0	0	0	0	0	0	0	0	0.00					
Underflr Sup Ht PkUp	0	0	0	0	0	0	0	0	0	0.00					
Supply Air Leakage	0	0	0	0	0	0	0	0	0	0.00					
Grand Total / ==>	3,753	356	5,997	100.00		3,176	100.00	-71	-2,247	100.00					

ENGINEERING CKS			
% OA	Cooling	Heating	
cfm/ft²	14.9	29.8	
cfm/ton	1.16	0.58	
ft²/ton	309.90		
Btu/hr-ft²	268.15	-16.77	
No. People	44.75	3	

HEATING COIL SELECTION			
Capacity	Coil Airflow	Ent	Lvg
MBh	cfm	°F	°F
Main Htg	-1.7	77	51.5
Aux Htg	0.0	0	0.0
Preheat	-0.6	23	28.2
Humidif	0.0	0	0.0
Opt Vent	0.0	0	0.0
Total	-2.3		

AREAS			Glass
Gross Total	ft²	(%)	
Floor	134		
Part	0		
Int Door	0		
ExFlr	0		
Roof	134	0	0
Wall	0	0	0
Ext Door	0	0	0

COOLING COIL SELECTION			
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR
ton	MBh	cfm	°F
Main Clg	0.5	6.0	154
Aux Clg	0.0	0.0	0
Opt Vent	0.0	0.0	0
Total	0.5	6.0	0

Room Checksums

By JBACE

3A357 - Social Worker

COOLING COIL PEAK										CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES			
Peaked at Time: Outside Air:				Mo/Hr: 8 / 15 OADB/WB/HR: 96 / 73 / 99				Mo/Hr: 7 / 15 OADB: 109				Mo/Hr: Heating Design OADB: 28									
Sens. + Lat.		Space	Plenum		Net		Percent		Space		Percent		Space Peak		Coil Peak		Percent				
Btu/h		Btu/h	Sens. + Lat Btu/h		Total Btu/h		Of Total (%)		Sensible Btu/h		Of Total (%)		Space Sens Btu/h		Tot Sens Btu/h		Of Total (%)				
Envelope Loads																					
Skylite Solar		0	0		0		0		0		0		0		0		0.00				
Skylite Cond		0	0		0		0		0		0		0		0		0.00				
Roof Cond		0	382		382		6		0		0		-188		8.37		0.00				
Glass Solar		0	0		0		0		0		0		0		0		0.00				
Glass/Door Cond		0	0		0		0		0		0		0		0		0.00				
Wall Cond		0	0		0		0		0		0		0		0		0.00				
Partition/Door		0	0		0		0		0		0		0		0		0.00				
Floor		0	0		0		0		0		0		0		0		0.00				
Adjacent Floor		0	0		0		0		0		0		0		0		0.00				
Infiltration		0	0		0		0		0		0		0		0		0.00				
Sub Total / ==>		0	382		382		6		0		0		-188		8.37		0.00				
Internal Loads																					
Lights		1,372	0		1,372		23		1,372		43		0		0		0.00				
People		1,350	0		1,350		23		750		24		0		0		0.00				
Misc		915	0		915		15		915		29		0		0		0.00				
Sub Total / ==>		3,637	0		3,637		61		3,037		96		0		0		0.00				
Ceiling Load																					
Ventilation Load		116	-116		0		0		139		4		-71		0		0.00				
Adj Air Trans Heat		0	0		1,341		22		0		0		0		-1,035		46.05				
Dehumid. Ov Sizing		0	0		0		0		0		0		0		0		0				
Ov/Undr Sizing		0	-92		0		-2		0		0		39		-1.76		0.00				
Exhaust Heat		0	0		-92		0		0		0		-1,048		0		46.65				
Ret. Fan Heat		182	182		547		9		0		0		0		0		0.00				
Duct Heat PkUp		0	0		182		3		0		0		-15		0		0.69				
Underflr Sup Ht PkUp		0	0		0		0		0		0		0		0		0.00				
Supply Air Leakage		0	0		0		0		0		0		0		0		0.00				
Grand Total / ==>		3,753	356		5,997		100.00		3,176		100.00		-71		-2,247		100.00				
ENGINEERING CKS																					
% OA		Cooling		Heating																	
cfm/ft²		14.9		29.8																	
cfm/ton		1.16		0.58																	
ft³/ton		309.90																			
Btu/hr-ft²		268.15																			
No. People		44.75		-16.77																	
		3																			

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	
ton		MBh		cfm		°F		°F		ft²		%		MBh		cfm		°F	
Main Clg	0.5	6.0	4.6	154	81.4	60.1	50.3	51.5	44.8	134			Main Htg	-1.7	77	51.5	72.9		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0			Aux Htg	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0			Preheat	-0.6	23	28.2	51.5		
Total	0.5	6.0								134			Humidif	0.0	0	0.0	0.0		
										ExFlr			Opt Vent	0.0	0	0.0	0.0		
										Wall			Total	-2.3					
										Ext Door									

AIRFLOWS			
	Cooling	Heating	
Diffuser	155	77	
Terminal	155	77	
Main Fan	155	77	
Sec Fan	0	0	
Nom Vent	23	23	
AHU Vent	23	23	
Infil	0	0	
MinStop/Rh	77	77	
Return	155	77	
Exhaust	23	23	
Rm Exh	0	0	
Auxiliary	0	0	
Leakage Dwn	0	0	
Leakage Ups	0	0	

ENGINEERING CKS			
	Cooling	Heating	
% OA	14.9	29.8	
cfm/ft²	1.16	0.58	
cfm/ton	309.90		
ft²/ton	268.15		
Btu/hr-ft²	44.75	-16.77	
No. People	3		

HEATING COIL SELECTION			
	Capacity MBh	Coil Airflow cfm	Ent °F
Main Htg	-1.7	77	51.5
Aux Htg	0.0	0	0.0
Preheat	-0.6	23	28.2
Humidif	0.0	0	0.0
Opt Vent	0.0	0	0.0
Total	-2.3		

AREAS			
	Gross Total	Glass ft²	(%)
Floor	134		
Part	0		
Int Door	0		
ExFlr	0		
Roof	134	0	0
Wall	0	0	0
Ext Door	0	0	0

COOLING COIL SELECTION			
	Total Capacity ton	Sens Cap. MBh	Coil Airflow cfm
Main Clg	0.5	6.0	154
Aux Clg	0.0	0.0	0
Opt Vent	0.0	0.0	0
Total	0.5	6.0	

Room Checksums

By JBACE

3A358 - Exam Negative Pressure

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES			
Peaked at Time: Outside Air:				Mo/Hr: 8 / 15 OADB/WB/HR: 96 / 73 / 99				Mo/Hr: 7 / 15 OADB: 109				SADB			
Sens. + Lat.	Space	Plenum	Net	Space	Percent	Space	Percent	Space Peak	Coil Peak	Percent		Cooling	Heating		
Sens. + Lat.	Btu/h	Sens. + Lat.	Total	Sensible	Of Total	Btu/h	Of Total	Space Sens	Tot Sens	Of Total					
Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)					
Envelope Loads															
Skylite Solar	0	0	0	0	0	0	0	0	0	0.00					
Skylite Cond	0	0	0	0	0	0	0	0	0	0.00					
Roof Cond	0	402	402	6	6	0	0	0	-198	7.47					
Glass Solar	0	0	0	0	0	0	0	0	0	0.00					
Glass/Door Cond	0	0	0	0	0	0	0	0	0	0.00					
Wall Cond	0	0	0	0	0	0	0	0	0	0.00					
Partition/Door	0	0	0	0	0	0	0	0	0	0.00					
Floor	0	0	0	0	0	0	0	0	0	0.00					
Adjacent Floor	0	0	0	0	0	0	0	0	0	0.00					
Infiltration	0	0	0	0	0	0	0	0	0	0.00					
Sub Total / ==>	0	402	402	6	6	0	0	0	-198	7.47					
Internal Loads															
Lights	1,444	0	1,444	21	21	1,444	47	0	0	0.00					
People	900	0	900	13	13	500	16	0	0	0.00					
Misc	962	0	962	14	14	962	32	0	0	0.00					
Sub Total / ==>	3,306	0	3,306	48	48	2,906	95	0	0	0.00					
Ceiling Load	122	-122	0	0	0	146	5	-75	0	0.00					
Ventilation Load	0	0	2,462	36	36	0	0	0	-1,900	71.73					
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	0	0	0	0	0	0	0	0	0.00					
Sup. Fan Heat	125	0	525	8	8	0	0	0	-619	23.38					
Ret. Fan Heat	0	0	125	2	2	0	0	0	0	0.00					
Duct Heat PkUp	0	0	0	0	0	0	0	0	68	-2.58					
Underflr Sup Ht PkUp	0	0	0	0	0	0	0	0	0	0.00					
Supply Air Leakage	0	0	0	0	0	0	0	0	0	0.00					
Grand Total / ==>	3,429	405	6,820	100.00		3,052	100.00	-75	-2,649	100.00					

AIRFLOWS			
	Cooling	Heating	
Diffuser	149	74	
Terminal	149	74	
Main Fan	149	74	
Sec Fan	0	0	
Nom Vent	42	42	
AHU Vent	42	42	
Infil	0	0	
MinStop/Rh	74	74	
Return	107	32	
Exhaust	0	0	
Rm Exh	42	42	
Auxiliary	0	0	
Leakage Dwn	0	0	
Leakage Ups	0	0	

ENGINEERING CKS			
	Cooling	Heating	
% OA	28.4	56.8	
cfm/ft²	1.06	0.53	
cfm/ton	261.91		
ft²/ton	248.09		
Btu/hr-ft²	48.37	-18.78	
No. People	2		

HEATING COIL SELECTION			
Capacity	Coil Airflow	Ent	Lvg
MBh	cfm	°F	°F
Main Htg	-1.6	74	51.5
Aux Htg	0.0	0	0.0
Preheat	-1.0	42	28.2
Humidif	0.0	0	0.0
Opt Vent	0.0	0	0.0
Total	-2.7		

AREAS			
Gross Total	Glass		
	ft²	(%)	
Floor	141		
Part	0		
Int Door	0		
ExFlr	0		
Roof	141	0	0
Wall	0	0	0
Ext Door	0	0	0

COOLING COIL SELECTION			
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR
ton	MBh	cfm	°F
Main Clg	0.6	6.8	4.9
Aux Clg	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0
Total	0.6	6.8	

Room Checksums

By JBACE

3A358A - Toilet

COOLING COIL PEAK										CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES																					
Peaked at Time: Outside Air:				Mo/Hr: 8 / 14 OADB/WB/HR: 95 / 73 / 99				Mo/Hr: 7 / 15 OADB: 109				Mo/Hr: Heating Design OADB: 28																											
Sens. + Lat.		Space	Plenum		Net		Percent		Space		Percent		Space Peak		Coil Peak		Percent		SADB	Cooling	Heating																		
Btu/h		Btu/h	Sens. + Lat Btu/h		Total Btu/h		Of Total (%)		Sensible Btu/h		Of Total (%)		Space Sens Btu/h		Tot Sens Btu/h		Of Total (%)																						
Envelope Loads																																							
Skylite Solar																				0				0		0		0		0		0.00							
Skylite Cond																				0				0		0		0		0		0.00							
Roof Cond																				142				7		0		0		-72		4.39							
Glass Solar																				0				0		0		0		0		0.00							
Glass/Door Cond																				0				0		0		0		0		0.00							
Wall Cond																				0				0		0		0		0		0.00							
Partition/Door																				0				0		0		0		0		0.00							
Floor																				0				0		0		0		0		0.00							
Adjacent Floor																				0				0		0		0		0		0.00							
Infiltration																				0				0		0		0		0		0.00							
Sub Total / ==>																				142				7		0		0		-72		4.39							
Internal Loads																																							
Lights																				261				13		261		17		0		0		0.00					
People																				0				0		0		0		0		0		0.00					
Misc																				0				0		0		0		0		0		0.00					
Sub Total / ==>																				261				13		261		17		0		0		0.00					
Ceiling Load																				44				-44		0		53		-27		0		0.00					
Ventilation Load																				0				0		0		0		0		0		0.00					
Adj Air Trans Heat																				0				0		0		0		0		0		0.00					
Dehumid. Ov Sizing																				1,264				0		1,264		80		0		0		0.00					
Ov/Undr Sizing																				0				0		0		0		0		0		0.00					
Exhaust Heat																				0				0		0		0		0		0		0.00					
Sup. Fan Heat																				91				91		272		13		0		0		0.00					
Ret. Fan Heat																				0				0		0		0		0		0		0.00					
Duct Heat PkUp																				0				0		0		0		0		0		0.00					
Underflr Sup Ht PkUp																				0				0		0		0		0		0		0.00					
Supply Air Leakage																				0				0		0		0		0		0		0.00					
Grand Total / ==>																				1,569				189		2,029		100.00		1,569		100.00		-27		-1,632		100.00	
COOLING COIL SELECTION												HEATING COIL SELECTION																											
Total Capacity		Sens Cap.		Coil Airflow		Enter DB/WB/HR		Leave DB/WB/HR		Gross Total		Glass		Capacity		Coil Airflow		Ent		Lvgr																			
ton		MBh		cfm		°F		°F		ft²		%		MBh		cfm		°F		°F																			
0.2		2.0		77		78.9		51.5		51		51		-1.6		77		51.5		72.3																			
Main Clg		2.0		0		0		0		0		0		0.0		0		0.0		0.0																			
Aux Clg		0.0		0		0		0		0		0		0.0		0		0.0		0.0																			
Opt Vent		0.0		0		0		0		0		0		0.0		0		0.0		0.0																			
Total		0.2		0		0		0		51		0		0.0		0		0.0		0.0																			
										0		0		0.0		0		0.0		0.0																			
										0		0		0.0		0		0.0		0.0																			
										0		0		0.0		0		0.0		0.0																			
										0		0		0.0		0		0.0		0.0																			
										0		0		0.0		0		0.0		0.0																			
										0		0		0.0		0		0.0		0.0																			
										0		0		0.0		0		0.0		0.0																			
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										0		0		0.0		0		0.0		0.0																			
										0		0		0.0		0		0.0		0.0																			
										0																													

AIRFLOWS			
	Cooling	Heating	
Diffuser	77	77	
Terminal	77	77	
Main Fan	77	77	
Sec Fan	0	0	
Nom Vent	0	0	
AHU Vent	0	0	
Infil	0	0	
MinStop/Rh	77	77	
Return	77	77	
Exhaust	0	0	
Rm Exh	0	0	
Auxiliary	0	0	
Leakage Dwn	0	0	
Leakage Ups	0	0	

ENGINEERING CKS			
	Cooling	Heating	
% OA	0.0	0.0	
cfm/ft²	1.50	1.50	
cfm/ton	452.38		
ft²/ton	301.59		
Btu/hr-ft²	39.79	-32.01	
No. People	0		

HEATING COIL SELECTION			
Capacity	Coil Airflow	Ent	Lvg
MBh	cfm	°F	°F
Main Htg	-1.6	77	51.5
Aux Htg	0.0	0	0.0
Preheat	0.0	0	0.0
Humidif	0.0	0	0.0
Opt Vent	0.0	0	0.0
Total	-1.6		

AREAS			
Gross Total	Glass		
ft²	(%)		
Floor	51		
Part	0		
Int Door	0		
ExFlr	0		
Roof	51	0	0
Wall	0	0	0
Ext Door	0	0	0

COOLING COIL SELECTION			
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR
ton	MBh	cfm	°F
Main Clg	0.2	2.0	77
Aux Clg	0.0	0.0	0
Opt Vent	0.0	0.0	0
Total	0.2	2.0	77

Room Checksums

By JBACE

3A359 - Exam

COOLING COIL PEAK										CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES				
Peaked at Time: Outside Air:					Mo/Hr: 8 / 15 OADB/WB/HR: 96 / 73 / 99					Mo/Hr: 7 / 15 OADB: 109					Mo/Hr: Heating Design OADB: 28									
Sens. + Lat.		Space	Plenum		Net		Percent		Space		Percent		Space Peak		Coil Peak		Percent							
Btu/h		Btu/h	Sens. + Lat Btu/h		Total Btu/h		Of Total (%)		Sensible Btu/h		Of Total (%)		Space Sens Btu/h		Tot Sens Btu/h		Of Total (%)							
Envelope Loads																								
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	365		365		6		0		0		0		-180		7.40		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0		0		0		0		0		0		0		0		0			
0		0	0		0																			

Room Checksums

By JBACE

3A359A - Toilet

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES			
Peaked at Time: Outside Air:				Mo/Hr: 8 / 14 OADB/WB/HR: 95 / 73 / 99				Mo/Hr: Heating Design OADB: 28							
Sens. + Lat. Btu/h	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 (%)		SADB	Cooling	Heating	
0	0	0	0	0	0	0	Skylite Solar	0	0	0.00			55.0	72.3	
0	0	0	0	0	0	0	Skylite Cond	0	0	0.00			77.7	70.3	
0	139	139	139	7	0	0	Roof Cond	0	-70	4.39			78.9	70.3	
0	0	0	0	0	0	0	Glass Solar	0	0	0.00			78.9	70.3	
0	0	0	0	0	0	0	Glass/Door Cond	0	0	0.00			0.4	0.0	
0	0	0	0	0	0	0	Wall Cond	0	0	0.00			0.8	0.0	
0	0	0	0	0	0	0	Partition/Door	0	0	0.00			2.3	0.0	
0	0	0	0	0	0	0	Floor	0	0	0.00					
0	0	0	0	0	0	0	Adjacent Floor	0	0	0.00					
0	0	0	0	0	0	0	Infiltration	0	0	0.00					
0	139	139	139	7	0	0	Sub Total ==>	0	-70	4.39					
Internal Loads				Internal Loads								AIRFLOWS			
256	0	0	256	13	256	17	Lights	0	0	0.00			75	75	
0	0	0	0	0	0	0	People	0	0	0.00			75	75	
0	0	0	0	0	0	0	Misc	0	0	0.00			75	75	
256	0	0	256	13	256	17	Sub Total ==>	0	0	0.00			0	0	
43	-43	0	0	0	52	3	Ceiling Load	-26	0	0.00			0	0	
0	0	0	0	0	0	0	Ventilation Load	0	0	0.00			0	0	
0	0	0	0	0	0	0	Adj Air Trans Heat	0	0	0			0	0	
1,239	0	0	1,239	62	1,230	80	Ov/Undr Sizing	0	0	0.00			0	0	
0	0	0	0	0	0	0	Exhaust Heat	0	0	0.00			0	0	
89	89	0	267	13	0	0	OA Preheat Diff.	0	0	0.00			0.0	0.0	
0	0	0	0	0	0	0	RA Preheat Diff.	-1,445	0	90.32			1.50	1.50	
0	0	0	0	0	0	0	Additional Reheat	-85	0	5.30			452.38	301.59	
0	0	0	0	0	0	0	System Plenum Heat	0	0	0.00			39.79	-32.01	
0	0	0	0	0	0	0	Underfir Sup Ht Pkup	0	0	0.00			0	0	
0	0	0	0	0	0	0	Supply Air Leakage	-26	-1,600	100.00			0	0	
1,538	185	0	1,989	100.00	1,538	100.00	Grand Total ==>	-26	-1,600	100.00					
COOLING COIL SELECTION				HEATING COIL SELECTION				AREAS				ENGINEERING CKS			
Total Capacity ton	Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR °F	Leave DB/WB/HR °F	Gross Total	Glass ft²	(%)								
0.2	2.0	75	78.9	57.3	50	0	0	Floor	50	0	0	Main Htg	-1.6	75	51.5
0.0	0.0	0	0.0	0.0	0	0	0	Part	0	0	0	Aux Htg	0.0	0	0.0
0.0	0.0	0	0.0	0.0	0	0	0	Int Door	0	0	0	Preheat	0.0	0	0.0
0.2	2.0	0	0.0	0.0	50	0	0	ExFlr	0	0	0	Humidif	0.0	0	0.0
					0	0	0	Roof	0	0	0	Opt Vent	0.0	0	0.0
					0	0	0	Wall	0	0	0	Total	-1.6		
								Ext Door							

Room Checksums

By JBACE

3A360 - Exam

COOLING COIL PEAK										CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES			
Peaked at Time: Outside Air:				Mo/Hr: 8 / 15 OADB/WB/HR: 96 / 73 / 99				Mo/Hr: 7 / 15 OADB: 109				Mo/Hr: Heating Design OADB: 28									
Sens. + Lat.		Space	Plenum		Net		Percent		Space		Percent		Space Peak		Coil Peak		Percent				
Btu/h		Btu/h	Sens. + Lat Btu/h		Total Btu/h		Of Total (%)		Sensible Btu/h		Of Total (%)		Space Sens Btu/h		Tot Sens Btu/h		Of Total (%)				
Envelope Loads																					
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	411		411		6		0		0		-202		-202		7.49				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0												

Room Checksums

By JBACE

3A360A - Toilet

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES			
Peaked at Time: Outside Air:				Mo/Hr: 8 / 14 OADB/WB/HR: 95 / 73 / 99				Mo/Hr: Heating Design OADB: 28							
Sens. + Lat. Btu/h	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 (%)		SADB	Cooling	Heating	
0	0	0	0	0	0	0	Skylite Solar	0	0	0.00			55.0	72.3	
0	0	0	0	0	0	0	Skylite Cond	0	0	0.00			77.7	70.3	
0	139	139	139	7	0	0	Roof Cond	0	-70	4.39			78.9	70.3	
0	0	0	0	0	0	0	Glass Solar	0	0	0.00			78.9	70.3	
0	0	0	0	0	0	0	Glass/Door Cond	0	0	0.00			0.4	0.0	
0	0	0	0	0	0	0	Wall Cond	0	0	0.00			0.8	0.0	
0	0	0	0	0	0	0	Partition/Door	0	0	0.00			2.3	0.0	
0	0	0	0	0	0	0	Floor	0	0	0.00					
0	0	0	0	0	0	0	Adjacent Floor	0	0	0.00					
0	0	0	0	0	0	0	Infiltration	0	0	0.00					
0	139	139	139	7	0	0	Sub Total ==>	0	-70	4.39					
Internal Loads				Internal Loads								AIRFLOWS			
256	0	0	256	13	256	17	Lights	0	0	0.00			75	75	
0	0	0	0	0	0	0	People	0	0	0.00			75	75	
0	0	0	0	0	0	0	Misc	0	0	0.00			75	75	
256	0	0	256	13	256	17	Sub Total ==>	0	0	0.00			0	0	
43	-43	0	0	0	52	3	Ceiling Load	-26	0	0.00			0	0	
0	0	0	0	0	0	0	Ventilation Load	0	0	0.00			0	0	
0	0	0	0	0	0	0	Adj Air Trans Heat	0	0	0.00			0	0	
1,239	0	0	1,239	62	1,230	80	Ov/Undr Sizing	0	0	0.00			0	0	
0	0	0	0	0	0	0	Exhaust Heat	0	0	0.00			0	0	
89	89	0	267	13	0	0	OA Preheat Diff.	0	0	0.00			0.0	0.0	
0	0	0	0	0	0	0	RA Preheat Diff.	-1,445	0	90.32			1.50	1.50	
0	0	0	0	0	0	0	Additional Reheat	-85	0	5.30			452.38	301.59	
0	0	0	0	0	0	0	System Plenum Heat	0	0	0.00			39.79	-32.01	
0	0	0	0	0	0	0	Underfir Sup Ht Pkup	0	0	0.00			0	0	
0	0	0	0	0	0	0	Supply Air Leakage	0	0	0.00			0	0	
1,538	185	0	1,989	100.00	1,538	100.00	Grand Total ==>	-26	-1,600	100.00					
COOLING COIL SELECTION				HEATING COIL SELECTION				AREAS				ENGINEERING CKS			
Total Capacity ton	Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR °F	Leave DB/WB/HR °F	Gross Total	Glass ft²	(%)								
0.2	2.0	75	78.9	57.3	50	0	0	Floor	50	0	0	Main Htg	-1.6	75	51.5
0.0	0.0	0	0.0	0.0	0	0	0	Part	0	0	0	Aux Htg	0.0	0	0.0
0.0	0.0	0	0.0	0.0	0	0	0	Int Door	0	0	0	Preheat	0.0	0	0.0
0.2	2.0	0	0.0	0.0	50	0	0	ExFlr	0	0	0	Humidif	0.0	0	0.0
					0	0	0	Roof	0	0	0	Opt Vent	0.0	0	0.0
					0	0	0	Wall	0	0	0	Total	-1.6		
								Ext Door	0	0	0				

Room Checksums

By JBACE

3A361 - Exam

COOLING COIL PEAK										CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES						
Peaked at Time: Outside Air:				Mo/Hr: 8 / 15 OADB/WB/HR: 96 / 73 / 99				Mo/Hr: 7 / 15 OADB: 109				Mo/Hr: Heating Design OADB: 28												
Sens. + Lat.		Space	Plenum		Net		Percent	Space		Percent	Space Peak		Coil Peak		Percent	SADB		Cooling	Heating					
Btu/h		Btu/h	Sens. + Lat Btu/h		Total Btu/h		Of Total (%)	Sensible Btu/h		Of Total (%)	Space Sens Btu/h		Tot Sens Btu/h		Of Total (%)									
Envelope Loads										Envelope Loads														
Skylite Solar										Skylite Solar														
Skylite Cond										Skylite Cond														
Roof Cond										Roof Cond														
Glass Solar										Glass Solar														
Glass/Door Cond										Glass/Door Cond														
Wall Cond										Wall Cond														
Partition/Door										Partition/Door														
Floor										Floor														
Adjacent Floor										Adjacent Floor														
Infiltration										Infiltration														
Sub Total/ ==>										Sub Total/ ==>														
Internal Loads										Internal Loads										AIRFLOWS				
Lights										Lights										Cooling				Heating
People										People										148				74
Misc										Misc										148				74
Sub Total/ ==>										Sub Total/ ==>										148				74
Ceiling Load										Ceiling Load										0				0
Ventilation Load										Ventilation Load										0				0
Adj Air Trans Heat										Adj Air Trans Heat										0				0
Dehumid. Ov Sizing										Ov/Undr Sizing										0				0
Exhaust Heat										Exhaust Heat										0				0
Sup. Fan Heat										OA Preheat Diff.										0				0
Duct Heat Pkup										RA Preheat Diff.										0				0
Underflr Sup Ht Pkup										Additional Reheat										0				0
Supply Air Leakage										System Plenum Heat										0				0
										Underflr Sup Ht Pkup										0				0
										Supply Air Leakage										0				0
Grand Total/ ==>										Grand Total/ ==>										-2,632				100.00

By JBACE

3A361A - Toilet

COOLING COIL PEAK										CLG SPACE PEAK										HEATING COIL PEAK										TEMPERATURES																																																																																																																																																																																													
Peaked at Time: Outside Air:					Mo/Hr: 8 / 14 OADB/WB/HR: 95 / 73 / 99					Mo/Hr: 7 / 15 OADB: 109					Mo/Hr: Heating Design OADB: 28					SADB					Cooling					Heating																																																																																																																																																																																													
Sens. + Lat.		Space		Plenum		Net		Percent		Space		Percent		Space Peak		Coil Peak		Percent		Ra Plenum <th colspan="5">Cooling<th colspan="5">Heating</th></th>					Cooling <th colspan="5">Heating</th>					Heating																																																																																																																																																																																													
Btu/h		Btu/h		Sens. + Lat		Total		Of Total		Sensible		Of Total		Btu/h		Tot Sens		Of Total		Return <th colspan="5">72.3<th colspan="5">72.3</th></th>					72.3 <th colspan="5">72.3</th>					72.3																																																																																																																																																																																													
				Btu/h		Btu/h		(%)		Btu/h		(%)		Btu/h		Btu/h		(%)		77.7 <th colspan="5">70.3<th colspan="5">70.3</th></th>					70.3 <th colspan="5">70.3</th>					70.3																																																																																																																																																																																													
Envelope Loads																				Envelope Loads																																																																																																																																																																																																							
Skylite Solar																				Skylite Solar										Diffuser										75					75																																																																																																																																																																														
Skylite Cond																				Skylite Cond										Terminal										75					75																																																																																																																																																																														
Roof Cond																				Roof Cond										Main Fan										75					75																																																																																																																																																																														
Glass Solar																				Glass Solar																																																																																																																																																																																																							
Glass/Door Cond																				Glass/Door Cond																																																																																																																																																																																																							
Wall Cond																				Wall Cond																																																																																																																																																																																																							
Partition/Door																				Partition/Door																																																																																																																																																																																																							
Floor																				Floor																																																																																																																																																																																																							
Adjacent Floor																				Adjacent Floor																																																																																																																																																																																																							
Infiltration																				Infiltration																																																																																																																																																																																																							
Sub Total/ ==>																				Sub Total/ ==>										-70										4.39																																																																																																																																																																																			
Internal Loads																				Internal Loads																																																																																																																																																																																																							
Lights																				256										17										0					0																																																																																																																																																																														
People																				0										0										0					0																																																																																																																																																																														
Misc																				0										0										0					0																																																																																																																																																																														
Sub Total/ ==>																				256										17										Sub Total/ ==>																																																																																																																																																																																			
Ceiling Load																				-43										0										-26					0																																																																																																																																																																														
Ventilation Load																				0										0										0					0																																																																																																																																																																														
Adj Air Trans Heat																				0										0										0					0																																																																																																																																																																														
Dehumid. Ov Sizing																				0										0										0					0																																																																																																																																																																														
Ov/Undr Sizing																				1,239										62										1,230					80																																																																																																																																																																														
Exhaust Heat																				0										0										0					0																																																																																																																																																																														
Sup. Fan Heat																				267										13										0					0																																																																																																																																																																														
Ret. Fan Heat																				89										4										-1,445					90.32																																																																																																																																																																														
Duct Heat PkUp																				0										0										-85					5.30																																																																																																																																																																														
Underflr Sup Ht PkUp																				0										0										0					0																																																																																																																																																																														
Supply Air Leakage																				0										0										0					0																																																																																																																																																																														
Grand Total/ ==>																				1,538										1,989										100.00					-26					-1,600					100.00																																																																																																																																																																				
Total Capacity																				Sens Cap.																				Coil Airflow																				Enter DBWB/HR																				Leave DBWB/HR																																																																																																																																											
ton																				MBh																				cfm																				°F																				°F																				gr/lb																				gr/lb																																																																																																			
Main Clg																				2.0																				2.0																				75																				78.9																				57.3																				41.7																				51.5																				46.1																				41.7																																							
Aux Clg																				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																																							
Total/																				0.2																				2.0																																																																																																																																																																																			

Room Checksums

By JBACE

3A362 - Exam

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES			
Peaked at Time: Outside Air:				Mo/Hr: 8 / 15 OADB/WB/HR: 96 / 73 / 99				Mo/Hr: 7 / 15 OADB: 109				Mo/Hr: Heating Design OADB: 28			
Sens. + Lat. Btu/h	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 (%)	SADB	Cooling	Heating		
0	0	0	0	0	0	0	Skylite Solar	0	0	0.00	55.0	77.7	73.0		
0	0	0	0	0	0	0	Skylite Cond	0	0	0.00	73.0	70.3	70.3		
0	0	439	439	6	0	0	Roof Cond	0	-216	7.54	78.9	83.8	46.1		
0	0	0	0	0	0	0	Glass Solar	0	0	0.00	0.4	0.8	0.0		
0	0	0	0	0	0	0	Glass/Door Cond	0	0	0.00	0.8	2.3	0.0		
0	0	0	0	0	0	0	Wall Cond	0	0	0.00					
0	0	0	0	0	0	0	Partition/Door	0	0	0.00					
0	0	0	0	0	0	0	Floor	0	0	0.00					
0	0	0	0	0	0	0	Adjacent Floor	0	0	0.00					
0	0	0	0	0	0	0	Infiltration	0	0	0.00					
0	0	439	439	6	0	0	Sub Total ==>	0	-216	7.54					
Internal Loads				Internal Loads								AIRFLOWS			
1,577	134	0	1,577	21	1,577	48	Lights	0	0	0.00	Diffuser	160	80		
900	0	0	900	12	500	15	People	0	0	0.00	Terminal	160	80		
1,051	0	0	1,051	14	1,051	32	Misc	0	0	0.00	Main Fan	160	80		
3,528	0	0	3,528	48	3,128	95	Sub Total ==>	0	0	0.00	Sec Fan	0	0		
0	-134	0	0	0	160	5	Ceiling Load	-82	0	0.00	Nom Vent	46	46		
0	0	0	2,689	37	0	0	Ventilation Load	0	-2,075	72.32	AHU Vent	46	46		
0	0	0	0	0	0	0	Adj Air Trans Heat	0	0	0	Infil	0	0		
0	0	0	0	0	0	0	Ov/Undr Sizing	0	0	0.00	MinStop/Rh	80	80		
0	0	0	0	0	0	0	Exhaust Heat	0	0	0.00	Return	114	34		
134	0	0	566	8	0	0	OA Preheat Diff.	-655	0	22.81	Exhaust	0	0		
134	0	134	134	2	0	0	Additional Reheat	76	0	-2.67	Rm Exh	46	46		
0	0	0	0	0	0	0	System Plenum Heat	0	0	0.00	Auxiliary	0	0		
0	0	0	0	0	0	0	Underflr Sup Ht Pkup	0	0	0.00	Leakage Dwn	0	0		
0	0	0	0	0	0	0	Supply Air Leakage	0	0	0.00	Leakage Ups	0	0		
3,662	439	439	7,355	100.00	3,288	100.00	Grand Total ==>	-82	-2,869	100.00	ENGINEERING CKS				
COOLING COIL SELECTION				HEATING COIL SELECTION											
Total Capacity ton	Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR °F	Leave DB/WB/HR °F	Gross Total	Glass ft²	Areas	Main Htg	Aux Htg	Preheat	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F	
0.6	7.4	159	83.8	62.6	154	0	Floor	0	0	0	-1.8	80	51.5	73.0	
0.0	0.0	0	0	0	0	0	Part	0	0	0	0.0	0	0	0	
0.0	0.0	0	0	0	0	0	Int Door	0	0	0	-1.1	46	28.2	51.5	
0.6	7.4	0	0	0	154	0	Roof	0	0	0	0.0	0	0	0	
					0	0	Wall	0	0	0	0.0	0	0	0	
					0	0	Ext Door	0	0	0	-2.9	0	0	0	

By JBACE

TEMPERATURES

	Cooling	Heating
SADB	55.0	72.3
Ra Plenum	77.7	70.3
Return	78.9	70.3
Ret/OA	78.9	70.3
Fn MtrTD	0.4	0.0
Fn BldTD	0.8	0.0
Fn Frict	2.3	0.0

	Cooling	Heating
Diffuser	75	75
Terminal	75	75
Main Fan	75	75
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	0	0
MinStop/Rh	75	75
Return	75	75
Exhaust	0	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

	Cooling	Heating
% OA	0.0	0.0
cfm/ft ²	1.50	1.50
cfm/ton	452.38	
ft ³ /ton	301.59	
Btu/hr-ft ²	39.79	-32.01
No. People	0	

AREAS		Glass	Glass
Gross Total		ft ²	(%)
Floor	50		
Part	0		
Int Door	0		
ExFlr	0		
Roof	50	0	0
Wall	0	0	0
Ext Door	0	0	0

°F	gr/lb	°F	gr/lb
7.3	41.7	51.5	46.1
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0

	Capacity MBh	Coil Airflow cfm	Ent °F	Lyg °F
Main Htg	-1.6	75	51.5	72.3
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-1.6			

Room Checksums

By JBACE

C3-13 - Corridor

COOLING COIL PEAK										CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES				
Peaked at Time: Outside Air:					Mo/Hr: 8 / 15 OADB/WB/HR: 96 / 73 / 99					Mo/Hr: 7 / 15 OADB: 109					Mo/Hr: Heating Design OADB: 28									
Sens. + Lat.		Space	Plenum		Net		Percent	Space		Percent	Space Peak		Coil Peak		Percent									
Btu/h		Btu/h	Sens. + Lat Btu/h		Total Btu/h		Of Total (%)	Sensible Btu/h		Of Total (%)	Space Sens Btu/h		Tot Sens Btu/h		Of Total (%)									
Envelope Loads										Envelope Loads														
Skylite Solar										Skylite Solar														
Skylite Cond										Skylite Cond														
Roof Cond										Roof Cond														
Glass Solar										Glass Solar														
Glass/Door Cond										Glass/Door Cond														
Wall Cond										Wall Cond														
Partition/Door										Partition/Door														
Floor										Floor														
Adjacent Floor										Adjacent Floor														
Infiltration										Infiltration														
Sub Total/ ==>										Sub Total/ ==>														
Internal Loads										Internal Loads										AIRFLOWS				
Lights										Lights										Cooling				
People										People										Heating				
Misc										Misc										308				
Sub Total/ ==>										Sub Total/ ==>										308				
Ceiling Load										Ceiling Load										308				
Ventilation Load										Ventilation Load										308				
Adj Air Trans Heat										Adj Air Trans Heat										46				
Dehumid. Ov Sizing										Ov/Undr Sizing										0				
Exhaust Heat										Exhaust Heat										0				
Sup. Fan Heat										OA Preheat Diff.										0				
Ret. Fan Heat										RA Preheat Diff.										0				
Duct Heat PkUp										Additional Reheat										0				
Underflr Sup Ht PkUp										System Plenum Heat										0				
Supply Air Leakage										Underflr Sup Ht PkUp										0				
Grand Total/ ==>										Grand Total/ ==>										0				
6,308										12,615										-407				
1,705										100.00										-7,966				
11,792										100.00										100.00				
COOLING COIL SELECTION										AREAS										HEATING COIL SELECTION				
Total Capacity		Sens Cap.		Coil Airflow		Enter DB/WB/HR		Leave DB/WB/HR		Gross Total		Glass		Capacity		Coil Airflow		Ent						
ton		MBh		cfm		°F		°F		ft²		(%)		MBh		cfm		°F						
1.0		10.1		308		51.5		38.2		769		0		-6.9		308		73.3						
0.0		0.0		0		0.0		0.0		0		0		0.0		0		0.0						
0.0		0.0		0		0.0		0.0		0		0		-1.1		46		51.5						
1.0		11.8								769		0		0.0		0		0.0						
										0		0		0.0		0		0.0						
										0		0		0.0		0		0.0						
										0		0		0.0		0		0.0						
										0		0		0.0		0		0.0						
										0		0		0.0		0		0.0						
										0		0		0.0		0		0.0						
										0		0		0.0		0		0.0						
										0		0		0.0		0		0.0						
										0		0		0.0		0		0.0						
										0		0		0.0		0		0.0						
										0		0		0.0		0		0.0						
										0		0		0.0		0		0.0						
										0		0		0.0		0		0.0						
										0		0		0.0		0		0.0						
										0		0		0.0		0		0.0						
										0		0		0.0		0		0.0						
										0		0		0.0		0		0.0						
										0		0		0.0		0		0.0						
										0		0		0.0		0		0.0						
										0		0		0.0		0		0.0						
										0		0		0.0		0		0.0						
										0		0		0.0		0		0.0						
										0		0		0.0		0		0.0						
										0		0		0.0		0		0.0						
										0		0		0.0		0		0.0						
										0		0		0.0		0		0.0						
										0		0		0.0		0		0.0						
										0		0		0.0		0		0.0						
										0														

Room Checksums

By JBACE

C3-14 - Corridor

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES			
Peaked at Time: Outside Air:				Mo/Hr: 8 / 15 OADB/WB/HR: 96 / 73 / 99				Mo/Hr: 7 / 15 OADB: 109				Mo/Hr: Heating Design OADB: 28			
Sens. + Lat.		Space	Plenum	Net	Percent	Space	Percent	Space Peak	Coil Peak	Percent	SADB			Cooling	Heating
Btu/h		Btu/h	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	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)					
Envelope Loads															
0		0	0	0	0	0	0	0	0	0	Skylite Solar			55.0	73.3
0		0	0	0	0	0	0	0	0	0	Skylite Cond			77.7	70.3
0		0	636	636	19	0	0	0	-313	13.55	Roof Cond			78.9	70.3
0		0	0	0	0	0	0	0	0	0	Glass Solar			81.4	64.0
0		0	0	0	0	0	0	0	0	0	Glass/Door Cond			0.4	0.0
0		0	0	0	0	0	0	0	0	0	Wall Cond			0.8	0.0
0		0	0	0	0	0	0	0	0	0	Glass/Door Cond			0.8	0.0
0		0	0	0	0	0	0	0	0	0	Partition/Door			2.3	0.0
0		0	0	0	0	0	0	0	0	0	Floor				
0		0	0	0	0	0	0	0	0	0	Adjacent Floor				
0		0	0	0	0	0	0	0	0	0	Infiltration				
0		0	636	636	19	0	0	0	-313	13.55	Sub Total/ ==>				
Internal Loads															
761		0	0	761	22	761	21	0	0	0.00	Diffuser			178	89
0		0	0	0	0	0	0	0	0	0.00	Terminal			178	89
0		0	0	0	0	0	0	0	0	0.00	Main Fan			178	89
761		0	0	761	22	761	21	0	0	0.00	Sec Fan			0	0
194		-194	0	0	0	231	6	-118	0	0.00	Nom Vent			13	13
0		0	0	779	23	0	0	0	-601	26.01	AHU Vent			13	13
0		0	0	0	0	0	0	0	0	0	Infil			0	0
874		-53	874	874	26	2,666	73	0	0	0.00	MinStop/Rh			89	89
0		0	0	0	0	0	0	0	0	0.00	Return			178	89
0		0	0	0	0	0	0	0	0	0.00	Exhaust			13	13
0		0	0	0	0	0	0	0	0	0.00	Rm Exh			0	0
0		0	0	0	0	0	0	0	0	0.00	Auxiliary			0	0
0		0	0	0	0	0	0	0	0	0.00	Leakage Dwn			0	0
0		0	0	0	0	0	0	0	0	0.00	Leakage Ups			0	0
Grand Total/ ==>															
ENGINEERING CKS															
Cooling		Heating													
7.5		15.0													
cfm/ft²		0.40													
626.05		782.56													
ft³/ton		15.33													
Btu/hr-ft²		-10.36													
No. People		0													

COOLING COIL SELECTION				HEATING COIL SELECTION			
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass	Capacity
ton	MBh	cfm	°F	°F	ft²	(%)	MBh
0.3	3.4	89	81.4	51.5	223		-2.0
0.0	0.0	0	0.0	0.0	0		89
0.0	0.0	0	0.0	0.0	0		51.5
							73.3
							0.0
							0.0
							0.0
							0.0
							0.0
							0.0
							0.0
							0.0
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Room Checksums

By JBACE

C3-15 - Corridor

COOLING COIL PEAK										CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES			
Peaked at Time: Outside Air:				Mo/Hr: 8 / 15 OADB/WB/HR: 96 / 73 / 99				Mo/Hr: 7 / 15 OADB: 109				Mo/Hr: Heating Design OADB: 28									
Sens. + Lat.		Space	Plenum		Net		Percent		Space		Percent		Space Peak		Coil Peak		Percent				
Btu/h		Btu/h	Sens. + Lat Btu/h		Total Btu/h		Of Total (%)		Sensible Btu/h		Of Total (%)		Space Sens Btu/h		Tot Sens Btu/h		Of Total (%)				
Envelope Loads																					
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	776		776		19		0		0		-382		-382		13.55				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0		0		0		0		0		0				
0		0	0		0		0														

Room Checksums

By JBACE

C3-16 - Corridor

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES			
Peaked at Time: Outside Air:				Mo/Hr: 8 / 15 OADB/WB/HR: 96 / 73 / 99				Mo/Hr: Heating Design OADB: 28							
Sens. + Lat. Btu/h	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 (%)		SADB	Cooling	Heating	
0	0	0	0	0	0	0	Skylite Solar	0	0	0.00			55.0	77.7	73.3
0	0	0	0	0	0	0	Skylite Cond	0	0	0.00					70.3
0	0	1,035	1,035	19	0	0	Roof Cond	0	-510	13.55				78.9	70.3
0	0	0	0	0	0	0	Glass Solar	0	0	0.00				81.4	64.0
0	0	0	0	0	0	0	Glass/Door Cond	0	0	0.00				0.4	0.0
0	0	0	0	0	0	0	Wall Cond	0	0	0.00				0.8	0.0
0	0	0	0	0	0	0	Partition/Door	0	0	0.00				2.3	0.0
0	0	0	0	0	0	0	Floor	0	0	0.00					
0	0	0	0	0	0	0	Adjacent Floor	0	0	0.00					
0	0	0	0	0	0	0	Infiltration	0	0	0.00					
0	0	1,035	1,035	19	0	0	Sub Total ==>	0	-510	13.55					
Internal Loads				Internal Loads								AIRFLOWS			
1,239	0	0	1,239	22	1,239	21	Lights	0	0	0.00				290	145
0	0	0	0	0	0	0	People	0	0	0.00				290	145
0	0	0	0	0	0	0	Misc	0	0	0.00				290	145
1,239	0	0	1,239	22	1,239	21	Sub Total ==>	0	0	0.00				0	0
315	-315	0	0	0	376	6	Ceiling Load	-192	0	0.00				0	0
0	0	0	1,268	23	0	0	Ventilation Load	0	-978	26.01				0	0
0	0	0	0	0	0	0	Adj Air Trans Heat	0	0	0				0	0
1,423	-87	0	1,423	26	4,340	73	Ov/Undr Sizing	0	0	0.00				0	0
0	0	0	0	0	0	0	Exhaust Heat	0	37	-0.99				7.5	15.0
0	0	0	0	0	0	0	OA Preheat Diff.	0	0	0.00				0.80	0.40
0	0	0	0	0	0	0	RA Preheat Diff.	-2,379	0	63.25				626.05	782.56
0	0	0	0	0	0	0	Additional Reheat	69	0	-1.83				15.33	-10.36
0	0	0	0	0	0	0	System Plenum Heat	0	0	0.00				0	0
0	0	0	0	0	0	0	Underflr Sup Ht Pkup	0	0	0.00				0	0
0	0	0	0	0	0	0	Supply Air Leakage	0	0	0.00				0	0
2,978	805	0	5,566	100.00	5,955	100.00	Grand Total ==>	-192	-3,760	100.00					

COOLING COIL SELECTION				AREAS				HEATING COIL SELECTION			
Total Capacity ton	Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR °F	Gross Total	Glass ft²	(%)		Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
0.5	5.6	145	81.4	363			Floor	-3.2	145	51.5	73.3
0.0	0.0	0	0.0	0			Part	0.0	0	0.0	0.0
0.0	0.0	0	0.0	0			Int Door	-0.5	22	28.2	51.5
0.5	5.6	0	0.0	363	0	0	Roof	0.0	0	0.0	0.0
				0	0	0	Wall	0.0	0	0.0	0.0
				0	0	0	Ext Door	-3.8			
							Total				

Room Checksums

By JBACE

C3-17 - Corridor

COOLING COIL PEAK										CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES														
Peaked at Time: Outside Air:					Mo/Hr: 8 / 15 OADB/WB/HR: 96 / 73 / 99					Mo/Hr: 7 / 15 OADB: 109					Mo/Hr: Heating Design OADB: 28																			
Sens. + Lat.		Space	Plenum		Net		Percent		Space		Percent		Space Peak		Coil Peak		Percent																	
Btu/h		Btu/h	Sens. + Lat Btu/h		Total Btu/h		Of Total (%)		Sensible Btu/h		Of Total (%)		Space Sens Btu/h		Tot Sens Btu/h		Of Total (%)																	
Envelope Loads																				ENGINEERING CKS														
Skylite Solar																				% OA					Cooling					Heating				
Skylite Cond																				Ov/Undr Sizing					7.5					15.0				
Roof Cond																				Exhaust Heat					0.80					0.40				
Glass Solar																				Ret. Fan Heat					626.05									
Glass/Door Cond																				Duct Heat PkUp					782.56									
Wall Cond																				Underflr Sup Ht PkUp					15.33					-10.36				
Partition/Door																				Supply Air Leakage					0									
Floor																				Grand Total ==>														
Adjacent Floor																																		
Infiltration																																		
Sub Total/ ==>																																		
Internal Loads																																		
Lights																																		
People																																		
Misc																																		
Sub Total/ ==>																																		
Ceiling Load																																		
Ventilation Load																																		
Adj Air Trans Heat																																		
Dehumid. Ov Sizing																																		
Ov/Undr Sizing																																		
Exhaust Heat																																		
Ret. Fan Heat																																		
Duct Heat PkUp																																		
Underflr Sup Ht PkUp																																		
Supply Air Leakage																																		
Grand Total ==>																																		
AREAS																				HEATING COIL SELECTION														
Total Capacity ton					Sens Cap. MBh					Coil Airflow cfm					Capacity MBh					Lvg °F														
0.4					4.2					109					-2.4					109														
0.0					0.0					0					0.0					0.0														
0.0					0.0					0					-0.4					16														
0.4					4.2					272					Main Htg					73.3														
										0					Aux Htg					0.0														
										0					Preheat					51.5														
										0					Humidif					0.0														
										0					Opt Vent					0.0														
										0					Total					-2.8														

Room Checksums

By JBACE

C3-20 Existing Service Lobby

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES			
Peaked at Time: Outside Air:				Mo/Hr: 8 / 15 OADB/WB/HR: 96 / 73 / 99				Mo/Hr: 7 / 16 OADB: 108				Mo/Hr: Heating Design OADB: 28			
Sens. + Lat.		Space	Plenum	Net		Percent	Space	Percent	Space Peak	Coil Peak	Percent	SADB	Cooling	Heating	
Btu/h		Btu/h	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	Btu/h	(%)				
Envelope Loads															
0		0	0	0		0	0	0	0	0	0.00				
0		0	0	0		0	0	0	0	0	0.00				
0		0	1,173	1,173		19	0	0	0	-578	9.30				
0		0	0	0		0	0	0	0	0	0.00				
0		0	0	0		0	0	0	0	0	0.00				
0		0	0	0		0	0	0	0	0	0.00				
0		0	0	0		0	0	0	0	0	0.00				
695		695	0	695		11	1,339	20	-1,950	-1,950	31.36				
0		0	0	0		0	0	0	0	0	0.00				
0		0	0	0		0	0	0	0	0	0.00				
0		0	0	0		0	0	0	0	0	0.00				
695		695	1,173	1,868		30	1,339	20	-1,950	-2,528	40.66				
Sub Total/ ==>															
Internal Loads															
1,406		0	0	1,406		22	1,406	21	0	0	0.00				
0		0	0	0		0	0	0	0	0	0.00				
0		0	0	0		0	0	0	0	0	0.00				
1,406		0	0	1,406		22	1,406	21	0	0	0.00				
358		-358	0	0		0	412	6	-218	0	0.00				
0		0	0	1,439		23	0	0	0	-1,110	17.85				
0		0	0	0		0	0	0	0	0	0				
921		-99	921	921		15	3,602	53	0	0	0.00				
0		0	0	0		0	0	0	0	0	0.00				
0		0	0	0		0	0	0	0	0	0.00				
0		0	0	0		0	0	0	0	0	0.00				
0		0	0	0		0	0	0	0	0	0.00				
0		0	0	0		0	0	0	0	0	0.00				
0		0	0	0		0	0	0	0	0	0.00				
0		0	0	0		0	0	0	0	0	0.00				
3,379		912	912	6,316		100.00	6,759	100.00	-2,168	-6,218	100.00				
Grand Total/ ==>															
ENGINEERING CKS															
% OA		Cooling		Heating											
cfm/ft²		7.5		15.0											
cfm/ton		626.24		0.40											
ft³/ton		782.80													
Btu/hr-ft²		15.33		-15.09											
No. People		0													

COOLING COIL SELECTION				HEATING COIL SELECTION			
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR	Leave DB/WB/HR	Gross Total	Glass	
ton	MBh	cfm	°F	°F	ft²	(%)	
0.5	6.3	165	81.4	51.5	412		Main Htg
0.0	0.0	0	0.0	45.1	115		Aux Htg
0.0	0.0	0	0.0	0.0	0		Preheat
0.5	6.3	165	81.4	51.5	412		Humidif
							Opt Vent
							Total

PEAK COOLING LOADS

MAIN SYSTEM

By JBACE

COIL

SPACE

System	Zone	Room	Floor Area ft²	Peak Time Mo/Hr	OA			Room			Supply			Space			Space			Peak Time Mo/Hr	OA			Coil Airflow cfm	Coil Sensible Load Btu/h	Coil Latent Load Btu/h		
					DB	WB	°F	Dry Bulb	°F	Air Flow	Sensible Load	Latent Load	DB	WB	°F													
Alternative 1																												
		3A229 - Existing Break Room	Peak	7/17	107	66	75.0	66	75.0	55.0	55.0	1,085	22,258	3,240	8/17	93	73	55.0	93	73	55.0	1,034	28,537	6,714				
		3A231 - Male Toilet	Peak	7/15	109	68	75.0	68	75.0	55.0	55.0	68	1,384	0	8/14	95	73	55.0	95	73	55.0	68	1,791	0				
		3A233 - Female Toilet	Peak	7/15	109	68	75.0	68	75.0	55.0	55.0	68	1,384	0	8/14	95	73	55.0	95	73	55.0	68	1,791	0				
		3A331 - Public Restroom	Peak	7/15	109	68	75.0	68	75.0	55.0	55.0	110	2,245	0	8/14	95	73	55.0	95	73	55.0	110	2,905	0				
		3A332 - Lactation	Peak	10/14	87	59	75.0	59	75.0	55.0	55.0	259	5,321	400	8/14	95	73	55.0	95	73	55.0	208	6,020	1,484				
		3A333 - Waiting Room	Peak	7/15	109	68	75.0	68	75.0	55.0	55.0	720	14,765	8,000	8/15	96	73	55.0	96	73	55.0	695	32,942	33,611				
		3A333 - Waiting Room Exterior	Peak	10/14	87	59	75.0	59	75.0	55.0	55.0	246	5,045	900	8/14	95	73	55.0	95	73	55.0	189	7,900	7,851				
		3A333A - Playarea	Peak	10/14	87	59	75.0	59	75.0	55.0	55.0	324	6,642	1,540	8/14	95	73	55.0	95	73	55.0	262	11,220	11,194				
		3A334 - Reception	Peak	10/14	87	59	75.0	59	75.0	55.0	55.0	717	14,709	1,457	8/14	95	73	55.0	95	73	55.0	627	17,699	4,022				
		3A335 - Pharmacy	Peak	7/15	109	68	75.0	68	75.0	55.0	55.0	72	1,472	158	8/15	96	73	55.0	96	73	55.0	71	2,695	1,408				
		3A336 - MGR	Peak	7/18	104	64	75.0	64	75.0	55.0	55.0	158	3,240	600	8/17	93	73	55.0	93	73	55.0	152	4,350	1,394				
		3A337 - Treatment	Peak	7/17	107	66	75.0	66	75.0	55.0	55.0	318	6,516	400	8/17	93	73	55.0	93	73	55.0	307	9,058	2,457				
		3A337A - Restroom	Peak	7/18	104	64	75.0	64	75.0	55.0	55.0	86	1,753	0	8/17	93	73	55.0	93	73	55.0	86	2,251	0				
		3A338 - Treatment	Peak	7/18	104	64	75.0	64	75.0	55.0	55.0	207	4,248	400	8/16	95	73	55.0	95	73	55.0	200	6,469	2,446				
		3A339 - Diet	Peak	7/15	109	68	75.0	68	75.0	55.0	55.0	158	3,248	600	8/15	96	73	55.0	96	73	55.0	157	4,648	1,458				
		3A340 - Flex	Peak	7/15	109	68	75.0	68	75.0	55.0	55.0	158	3,248	600	8/15	96	73	55.0	96	73	55.0	157	4,648	1,458				
		3A341 - Office #1	Peak	7/15	109	68	75.0	68	75.0	55.0	55.0	160	3,284	600	8/15	96	73	55.0	96	73	55.0	159	4,698	1,463				
		3A342 - Office #2	Peak	7/15	109	68	75.0	68	75.0	55.0	55.0	203	4,153	600	8/15	96	73	55.0	96	73	55.0	201	5,903	1,569				
		3A343 - Office #3	Peak	7/15	109	68	75.0	68	75.0	55.0	55.0	203	4,171	600	8/15	96	73	55.0	96	73	55.0	202	5,928	1,571				
		3A344 - Office #4	Peak	7/15	109	68	75.0	68	75.0	55.0	55.0	202	4,135	600	8/15	96	73	55.0	96	73	55.0	200	5,878	1,567				
		3A345 - Classroom	Peak	7/15	109	68	75.0	68	75.0	55.0	55.0	334	6,844	3,150	8/15	96	73	55.0	96	73	55.0	331	11,361	8,202				
		3A346 - Exam	Peak	7/15	109	68	75.0	68	75.0	55.0	55.0	148	3,034	400	8/15	96	73	55.0	96	73	55.0	147	4,830	1,949				
		3A346A - Toilet	Peak	7/15	109	68	75.0	68	75.0	55.0	55.0	75	1,538	0	8/14	95	73	55.0	95	73	55.0	75	1,989	0				
		3A347 - Exam	Peak	7/15	109	68	75.0	68	75.0	55.0	55.0	148	3,034	400	8/15	96	73	55.0	96	73	55.0	147	4,830	1,949				
		3A347A - Toilet	Peak	7/15	109	68	75.0	68	75.0	55.0	55.0	75	1,538	0	8/14	95	73	55.0	95	73	55.0	75	1,989	0				
		3A348 - Exam	Peak	7/15	109	68	75.0	68	75.0	55.0	55.0	144	2,962	400	8/15	96	73	55.0	96	73	55.0	143	4,710	1,904				
		3A348A - Toilet	Peak	7/15	109	68	75.0	68	75.0	55.0	55.0	75	1,538	0	8/14	95	73	55.0	95	73	55.0	75	1,989	0				
		3A349 - Exam	Peak	7/15	109	68	75.0	68	75.0	55.0	55.0	158	3,233	400	8/15	96	73	55.0	96	73	55.0	156	5,161	2,070				
		3A349A - Toilet	Peak	7/15	109	68	75.0	68	75.0	55.0	55.0	75	1,538	0	8/14	95	73	55.0	95	73	55.0	75	1,989	0				
		3A350 - Bariatric / Tele Med RM	Peak	7/15	109	68	75.0	68	75.0	55.0	55.0	159	3,252	400	8/15	96	73	55.0	96	73	55.0	157	5,243	2,175				
		3A350A - Toilet	Peak	7/15	109	68	75.0	68	75.0	55.0	55.0	114	2,338	0	8/14	95	73	55.0	95	73	55.0	114	3,016	0				
		3A351 - Soil	Peak	7/15	109	68	75.0	68	75.0	55.0	55.0	37	757	57	8/15	96	73	55.0	96	73	55.0	26	730	57				
		3A352 - Clean Linen	Peak	7/15	109	68	75.0	68	75.0	55.0	55.0	74	1,524	164	8/15	96	73	55.0	96	73	55.0	73	2,791	1,458				
		3A353 - Supply	Peak	7/15	109	68	75.0	68	75.0	55.0	55.0	17	349	0	8/15	96	73	55.0	96	73	55.0	9	353	150				

SPACE

COIL

System	Zone	Room	Floor Area ft²	Peak	OA			Room		Supply		Space		Space		Space		OA		Coil	
					Peak Time Mo/Hr	Condition	DB °F	WB °F	Dry Bulb °F	Latent Load Btu/h	Air Flow cfm	Sensible Load Btu/h	Latent Load Btu/h	Peak Time Mo/Hr	DB °F	Condition	WB °F	Supply Dry Bulb °F	Coil Airflow cfm	Sensible Load Btu/h	Latent Load Btu/h
		3A354 - Storage	26	Peak	7/15	109	68	75.0	55.0	55.0	13	267	0		8/15	96	73	55.0	7		115
		3A355 - Mental Health Office	134	Peak	7/15	109	68	75.0	55.0	55.0	155	3,176	600		8/15	96	73	55.0	154		1,449
		3A356 - Mental Health Office	134	Peak	7/15	109	68	75.0	55.0	55.0	155	3,176	600		8/15	96	73	55.0	154		1,449
		3A357 - Social Worker	134	Peak	7/15	109	68	75.0	55.0	55.0	155	3,176	600		8/15	96	73	55.0	154		1,449
		3A358 - Exam Negative Pressure	141	Peak	7/15	109	68	75.0	55.0	55.0	149	3,052	400		8/15	96	73	55.0	148		1,960
		3A358A - Toilet	51	Peak	7/15	109	68	75.0	55.0	55.0	77	1,569	0		8/14	95	73	55.0	77		2,029
		3A359 - Exam	128	Peak	7/15	109	68	75.0	55.0	55.0	137	2,817	400		8/15	96	73	55.0	136		1,816
		3A359A - Toilet	50	Peak	7/15	109	68	75.0	55.0	55.0	75	1,538	0		8/14	95	73	55.0	75		1,989
		3A360 - Exam	144	Peak	7/15	109	68	75.0	55.0	55.0	151	3,107	400		8/15	96	73	55.0	150		1,993
		3A360A - Toilet	50	Peak	7/15	109	68	75.0	55.0	55.0	75	1,538	0		8/14	95	73	55.0	75		1,989
		3A361 - Exam	140	Peak	7/15	109	68	75.0	55.0	55.0	148	3,034	400		8/15	96	73	55.0	147		1,949
		3A361A - Toilet	50	Peak	7/15	109	68	75.0	55.0	55.0	75	1,538	0		8/14	95	73	55.0	75		1,989
		3A362 - Exam	154	Peak	7/15	109	68	75.0	55.0	55.0	160	3,288	400		8/15	96	73	55.0	159		2,103
		3A362A - Toilet	50	Peak	7/15	109	68	75.0	55.0	55.0	75	1,538	0		8/14	95	73	55.0	75		1,989
		C3-13 - Corridor	769	Peak	7/15	109	68	75.0	55.0	55.0	615	12,616	0		8/15	96	73	55.0	308		10,091
		C3-14 - Corridor	223	Peak	7/15	109	68	75.0	55.0	55.0	178	3,658	0		8/15	96	73	55.0	89		2,926
		C3-15 - Corridor	272	Peak	7/15	109	68	75.0	55.0	55.0	218	4,462	0		8/15	96	73	55.0	109		3,569
		C3-16 - Corridor	363	Peak	7/15	109	68	75.0	55.0	55.0	290	5,955	0		8/15	96	73	55.0	145		4,763
		C3-17 - Corridor	272	Peak	7/15	109	68	75.0	55.0	55.0	218	4,462	0		8/15	96	73	55.0	109		3,569
		C3-20 Existing Service Lobby	412	Peak	7/16	108	67	75.0	55.0	55.0	330	6,759	0		8/15	96	73	55.0	165		5,404
RTU-ADM-2			9,095	Peak		97	60	75.0	55.0	55.0	10,603	217,425	29,866		96	73	55.0	9,262		306,367	120,978
RTU-ADM-2			9,095	Block	9/16	97	60	75.0	55.0	55.0	9,288	190,455	29,866		8/15	96	73	55.0	9,021		295,470

PEAK HEATING LOADS

MAIN SYSTEM

By JBACE

OA Condition		WB	
Peak Time	°F	DB	°F
Htg Design	28	20	20

					Peak Time				DB		WB	
					°F		°F					
					Htg Design		28		20			

OA Condition			
Peak Time	DB °F	WB °F	
Htg Design	28	20	

SPACE

COIL

System	Zone	Room	Block or Peak	Floor Area ft²	Room				Supply				Space				Space				Supply				Coil			
					Dry Bulb °F	Dry Bulb °F	Dry Bulb °F	Dry Bulb °F	Dry Bulb °F	Dry Bulb °F	Dry Bulb °F	Dry Bulb °F	Space Air Flow cfm	Space Sensible Load Btu/h	Space Sensible Load Btu/h	Space Sensible Load Btu/h	Space Air Flow cfm	Space Sensible Load Btu/h	Space Sensible Load Btu/h	Space Sensible Load Btu/h	Supply Dry °F	Supply Dry °F	Supply Dry °F	Supply Dry °F	Coil Air Flow cfm	Coil Air Flow cfm	Coil Sensible Load Btu/h	Coil Sensible Load Btu/h
		3A353 - Supply	Peak	34	72.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	9	-18	-18	-18	9	-18	-18	-18	74.1	74.1	74.1	74.1	9	9	-196	-196
		3A354 - Storage	Peak	26	72.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	7	-14	-14	-14	7	-14	-14	-14	74.1	74.1	74.1	74.1	7	7	-150	-150
		3A355 - Mental Health Office	Peak	134	72.0	72.9	72.9	72.9	72.9	72.9	72.9	72.9	77	-71	-71	-71	77	-71	-71	-71	72.9	72.9	72.9	72.9	77	77	-1,696	-1,696
		3A356 - Mental Health Office	Peak	134	72.0	72.9	72.9	72.9	72.9	72.9	72.9	72.9	77	-71	-71	-71	77	-71	-71	-71	72.9	72.9	72.9	72.9	77	77	-1,696	-1,696
		3A357 - Social Worker	Peak	134	72.0	72.9	72.9	72.9	72.9	72.9	72.9	72.9	77	-71	-71	-71	77	-71	-71	-71	72.9	72.9	72.9	72.9	77	77	-1,696	-1,696
		3A358 - Exam Negative Pressure	Peak	141	72.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	74	-75	-75	-75	74	-75	-75	-75	73.0	73.0	73.0	73.0	74	74	-1,637	-1,637
		3A358A - Toilet	Peak	51	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	77	-27	-27	-27	77	-27	-27	-27	72.3	72.3	72.3	72.3	77	77	-1,632	-1,632
		3A359 - Exam	Peak	128	72.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	69	-68	-68	-68	69	-68	-68	-68	73.0	73.0	73.0	73.0	69	69	-1,509	-1,509
		3A359A - Toilet	Peak	50	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	75	-27	-27	-27	75	-27	-27	-27	72.3	72.3	72.3	72.3	75	75	-1,600	-1,600
		3A360 - Exam	Peak	144	72.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	76	-76	-76	-76	76	-76	-76	-76	73.0	73.0	73.0	73.0	76	76	-1,666	-1,666
		3A360A - Toilet	Peak	50	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	75	-27	-27	-27	75	-27	-27	-27	72.3	72.3	72.3	72.3	75	75	-1,600	-1,600
		3A361 - Exam	Peak	140	72.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	74	-74	-74	-74	74	-74	-74	-74	73.0	73.0	73.0	73.0	74	74	-1,627	-1,627
		3A361A - Toilet	Peak	50	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	75	-27	-27	-27	75	-27	-27	-27	72.3	72.3	72.3	72.3	75	75	-1,600	-1,600
		3A362 - Exam	Peak	154	72.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	80	-82	-82	-82	80	-82	-82	-82	73.0	73.0	73.0	73.0	80	80	-1,764	-1,764
		3A362A - Toilet	Peak	50	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	75	-27	-27	-27	75	-27	-27	-27	72.3	72.3	72.3	72.3	75	75	-1,600	-1,600
		C3-13 - Corridor	Peak	769	72.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	308	-407	-407	-407	308	-407	-407	-407	73.3	73.3	73.3	73.3	308	308	-6,863	-6,863
		C3-14 - Corridor	Peak	223	72.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	89	-118	-118	-118	89	-118	-118	-118	73.3	73.3	73.3	73.3	89	89	-1,990	-1,990
		C3-15 - Corridor	Peak	272	72.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	109	-144	-144	-144	109	-144	-144	-144	73.3	73.3	73.3	73.3	109	109	-2,427	-2,427
		C3-16 - Corridor	Peak	363	72.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	145	-192	-192	-192	145	-192	-192	-192	73.3	73.3	73.3	73.3	145	145	-3,239	-3,239
		C3-17 - Corridor	Peak	272	72.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	109	-144	-144	-144	109	-144	-144	-144	73.3	73.3	73.3	73.3	109	109	-2,427	-2,427
		C3-20 Existing Service Lobby	Peak	412	72.0	84.8	84.8	84.8	84.8	84.8	84.8	84.8	165	-2,168	-2,168	-2,168	165	-2,168	-2,168	-2,168	84.8	84.8	84.8	84.8	165	165	-5,626	-5,626
		RTU-ADM-2	Peak	9,095	72.0	74.6	74.6	74.6	74.6	74.6	74.6	74.6	5,862	-15,765	-15,765	-15,765	5,862	-15,765	-15,765	-15,765	74.6	74.6	74.6	74.6	5,862	5,862	-138,813	-138,813
		RTU-ADM-2	Block	9,095	72.0	74.6	74.6	74.6	74.6	74.6	74.6	74.6	5,862	-15,798	-15,798	-15,798	5,862	-15,798	-15,798	-15,798	74.6	74.6	74.6	74.6	5,862	5,862	-138,812	-138,812

VAMC WOMEN'S HEALTH CENTER

Las Vegas, NV

CD Submission

Plumbing Calculations

jba consulting engineers



JOB TITLE VAMC Womens Center
 JOB NUMBER 11.0884
 DESIGNED BY MTD
 CHECKED BY 0
 AREA / ROOM

Fixture	Qty.	CW FU	CW FU 100%	CW FU 75%	HW FU 75%	Waste DFU	Total Waste DFU
WC Tank 1.6 GPF		2.5			—	4	
WC Flush Valve 1.6 GPF	12	5	60	60	—	4	48
Urinal 1.0 GPF		4			—	2	
Lavatory (single)	12	0.5	6	4.5	4.5	1	12
Lavatory (in sets)		1				1	
Sink General 1-1/2" trap		2				2	
Sink Laundry		2				2	
Service Sink	1	3	3	2.25	2.25	3	3
Hand Sink	12	2	24	18	18	2	24
Hand Sink Indirect		2				—	—
Shower		2				2	
Shower w/o floor drain		2				—	—
Bathtub		4				2	
Bathtub with 3/4" fill		10				2	
EWC or DF		0.5			—	1	
Cold Water Hose Bibb		2.5			—	—	—
Hose Bibb (additional)		1			—	—	—
Clotheswasher		4		—		3	
Clotheswasher (3 or more)		4		—		6	
Dishwasher		6		—		—	—
Hot Water Hose Bibb		2.5		—		—	—
Washdown Station		4		—		—	—
4" FloorTrough		—	—	—	—	8	
2" Floor Sink		—	—	—	—	4	
3" Floor Sink		—	—	—	—	6	
4" Floor sink		—	—	—	—	8	
2" Floor Drain		—	—	—	—	2	
Floor Drain-Emergency		—	—	—	—	—	—
TOTAL FIXTURE UNITS			93	84.75	24.75		87
TOTAL GPM (FLUSH TANK)			42	40	18		—
TOTAL GPM (FLUSH VALVE)			66	63	—		—
LINE SIZE			2-1/2"	2-1/2"	1-1/2"		4"