CECIS UNIDAD MERIDA

Location	**MERIDA, YUCATAN**
Building owner	**INFONAVIT**
Program user	**ING MEZA**
Company	**INGENOR**
Comments	**CONSTRUCCION EN DOS NIVELES A USAR UGAR**

By	**Trial**
Dataset name	**C:\Users\AMH\Documents\TRACE 700 Projects\CECIS-MERIDA-01 160118.trc**

Calculation time	**11:36 AM on 02/21/2018**
TRACE® 700 version	**6.3.2**

Location	**Merida, Mexico (TMY)**	
Latitude	**20.6**	**deg**
Longitude	**89.4**	**deg**
Time Zone	**6**	
Elevation	**109**	**ft**
Barometric pressure	**29.8**	**in. Hg**
Air density	**0.0757**	**lb/cu ft**
Air specific heat	**0.2444**	**Btu/lb·°F**
Density-specific heat product	**1.1109**	**Btu/h·cfm·°F**
Latent heat factor	**4,890.3**	**Btu·min/h·cu ft**
Enthalpy factor	**4.5449**	**lb·min/hr·cu ft**
Summer design dry bulb	**100.5**	**°F**
Summer design wet bulb	**76.0**	**°F**
Winter design dry bulb	**56.9**	**°F**
Summer clearness number	**1.00**	
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	**UATD**

System Checksums

By Trial

UGAR DELEGACION MERIDA — **Variable Temperature Constant Volume**

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 16
Outside Air: OADB/WB/HR: 100 / 76 / 99

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	140,424	0	140,424	18
Glass Solar	13,004	0	13,004	2
Glass/Door Cond	7,059	0	7,059	1
Wall Cond	99,009	0	99,009	13
Partition/Door	58,793		58,793	8
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	318,289	0	318,289	41
Internal Loads				
Lights	69,182	10,352	79,534	10
People	107,984	0	107,984	14
Misc	189,126	0	189,126	24
Sub Total ==>	366,292	10,352	376,645	49
Ceiling Load	0	0	0	0
Ventilation Load	0	0	60,700	8
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-354	-354	0
Sup. Fan Heat			16,941	2
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	684,581	9,999	772,221	100.00

CLG SPACE PEAK

Mo/Hr: Sum of
OADB: Peaks

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	139,354	22
Glass Solar	13,004	2
Glass/Door Cond	7,059	1
Wall Cond	100,944	16
Partition/Door	58,774	9
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	319,135	50
Internal Loads		
Lights	69,241	11
People	57,387	9
Misc	189,269	30
Sub Total ==>	315,897	50
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	635,032	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-21,170	-21,170	20.64
Glass Solar	0	0	0.00
Glass/Door Cond	-4,342	-4,342	4.23
Wall Cond	-18,271	-18,271	17.81
Partition/Door	-40,815	-40,815	39.79
Floor	0	0	0.00
Adjacent Floor	0	0	0
Infiltration	0	0	0.00
Sub Total ==>	-84,597	-84,597	82.48
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		3,332	-3.25
RA Preheat Diff.		-21,305	20.77
Additional Reheat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-84,597	-102,571	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	72.7
Ra Plenum	75.0	70.0
Return	75.3	70.0
Ret/OA	76.4	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Frict	0.4	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	28,588	28,588
Terminal	28,588	28,588
Main Fan	28,588	28,588
Sec Fan	0	0
Nom Vent	1,235	0
AHU Vent	1,235	0
Infil	0	0
MinStop/Rh	0	0
Return	28,588	28,588
Exhaust	1,235	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	4.3	0.0
cfm/ft²	2.21	2.21
cfm/ton	444.24	
ft²/ton	201.32	
Btu/hr·ft²	59.61	0.00
No. People	247	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	64.4	772.2	692.2	28,588	76.3	63.3	66.7	54.5	54.2	62.7
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	64.4	772.2								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	12,955		
Part	8,031		
Int Door	0		
ExFlr	0		
Roof	12,955	0	0
Wall	3,371	378	11
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	28,588	69.4	72.7
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	0.0			

System Checksums

By Trial

CESIS UP — **Variable Temperature Constant Volume**

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 15
Outside Air: OADB/WB/HR: 101 / 76 / 98

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	61,145	0	61,145	18
Glass Solar	15,055	0	15,055	4
Glass/Door Cond	10,783	0	10,783	3
Wall Cond	13,331	0	13,331	4
Partition/Door	25,483		25,483	8
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	125,797	0	125,797	37
Internal Loads				
Lights	26,421	5,281	31,702	9
People	61,985	0	61,985	18
Misc	65,053	0	65,053	19
Sub Total ==>	153,459	5,281	158,739	47
Ceiling Load	0	0	0	0
Ventilation Load	0	0	41,242	12
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-372	-372	0
Sup. Fan Heat			12,179	4
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	279,255	4,909	337,585	100.00

CLG SPACE PEAK

Mo/Hr: Sum of
OADB: Peaks

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	61,304	24
Glass Solar	15,055	6
Glass/Door Cond	10,783	4
Wall Cond	13,331	5
Partition/Door	25,596	10
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	126,069	50
Internal Loads		
Lights	26,400	11
People	32,860	13
Misc	65,051	26
Sub Total ==>	124,310	50
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	250,380	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-8,599	-8,599	18.93
Glass Solar	0	0	0.00
Glass/Door Cond	-6,546	-6,546	14.41
Wall Cond	-3,606	-3,606	7.94
Partition/Door	-16,333	-16,333	35.96
Floor	0	0	0.00
Adjacent Floor	0	0	0
Infiltration	0	0	0.00
Sub Total ==>	-35,084	-35,084	77.25
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		3,865	-8.51
RA Preheat Diff.		-14,198	31.26
Additional Reheat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-35,084	-45,417	100.00

TEMPERATURES

	Cooling	Heating
SADB	53.1	73.1
Ra Plenum	75.0	70.0
Return	75.5	70.0
Ret/OA	77.2	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.2	0.0
Fn Frict	0.7	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	10,276	10,276
Terminal	10,276	10,276
Main Fan	10,276	10,276
Sec Fan	0	0
Nom Vent	710	0
AHU Vent	710	0
Infil	0	0
MinStop/Rh	0	0
Return	10,276	10,276
Exhaust	710	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	6.9	0.0
cfm/ft²	1.95	1.95
cfm/ton	365.26	
ft²/ton	187.06	
Btu/hr·ft²	64.15	0.00
No. People	142	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR °F	Enter DB/WB/HR °F	Enter DB/WB/HR gr/lb	Leave DB/WB/HR °F	Leave DB/WB/HR °F	Leave DB/WB/HR gr/lb
Main Clg	28.1	337.6	286.9	10,276	77.2	61.7	58.0	52.0	50.1	50.9
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	28.1	337.6								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	5,262		
Part	3,214		
Int Door	0		
ExFlr	0		
Roof	5,262	0	0
Wall	1,160	569	49
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	10,276	69.1	73.1
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	0.0			

System Checksums

By Trial

UC CE MERIDA — **Fan Coil**

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 16
Outside Air: OADB/WB/HR: 100 / 76 / 99

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	1,915	0	1,915	11
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	3,873		3,873	23
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	5,788	0	5,788	34
Internal Loads				
Lights	1,036	0	1,036	6
People	0	0	0	0
Misc	9,967	0	9,967	59
Sub Total ==>	11,003	0	11,003	65
Ceiling Load	0	0	0	0
Ventilation Load	0	0	0	0
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			72	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	16,791	0	16,863	100.00

CLG SPACE PEAK

Mo/Hr: Sum of
OADB: Peaks

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	1,915	11
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	3,873	23
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	5,788	34
Internal Loads		
Lights	1,036	6
People	0	0
Misc	9,967	59
Sub Total ==>	11,003	66
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Grand Total ==>	16,791	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-284	-284	10.86
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-2,334	-2,334	89.14
Floor	0	0	0.00
Adjacent Floor	0	0	0
Infiltration	0	0	0.00
Sub Total ==>	-2,618	-2,618	100.00
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-2,618	-2,618	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	73.1
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	75.0	70.0
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.1	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	756	756
Terminal	756	756
Main Fan	756	756
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	0	0
MinStop/Rh	0	0
Return	756	756
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	4.34	4.34
cfm/ton	537.79	
ft²/ton	123.79	
Btu/hr·ft²	96.94	0.00
No. People	0	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	1.4	16.9	16.9	756	75.1	61.1	58.6	55.0	53.4	58.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.4	16.9								

AREAS

	Gross Total ft²	Glass ft²	Glass (%)
Floor	174		
Part	459		
Int Door	0		
ExFlr	0		
Roof	174	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	756	70.0	73.1
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	0.0			

System Checksums

By Trial

UC IDF MERIDA — **Fan Coil**

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 16
Outside Air: OADB/WB/HR: 100 / 76 / 99

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	1,619	0	1,619	12
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	1,038		1,038	8
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	2,657	0	2,657	19
Internal Loads				
Lights	891	0	891	7
People	0	0	0	0
Misc	10,051	0	10,051	74
Sub Total ==>	10,942	0	10,942	80
Ceiling Load	0	0	0	0
Ventilation Load	0	0	0	0
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			58	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	13,599	0	13,657	100.00

CLG SPACE PEAK

Mo/Hr: Sum of
OADB: Peaks

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	1,619	12
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	1,038	8
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	2,657	20
Internal Loads		
Lights	891	7
People	0	0
Misc	10,051	74
Sub Total ==>	10,942	80
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Grand Total ==>	13,599	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-236	-236	27.56
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-621	-621	72.44
Floor	0	0	0.00
Adjacent Floor	0	0	0
Infiltration	0	0	0.00
Sub Total ==>	-858	-858	100.00
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-858	-858	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	71.3
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	75.0	70.0
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.1	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	612	612
Terminal	612	612
Main Fan	612	612
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	0	0
MinStop/Rh	0	0
Return	612	612
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	4.23	4.23
cfm/ton	537.79	
ft²/ton	127.12	
Btu/hr·ft²	94.40	0.00
No. People	0	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR °F	Enter DB/WB/HR °F	Enter DB/WB/HR gr/lb	Leave DB/WB/HR °F	Leave DB/WB/HR °F	Leave DB/WB/HR gr/lb
Main Clg	1.1	13.7	13.7	612	75.1	61.1	58.6	55.0	53.4	58.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.1	13.7								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	145		
Part	122		
Int Door	0		
ExFlr	0		
Roof	145	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	612	70.0	71.3
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	0.0			

Zone Checksums

By Trial

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COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 15
Outside Air: OADB/WB/HR: 101 / 76 / 98

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	52,241	0	52,241	20
Glass Solar	15,055	0	15,055	6
Glass/Door Cond	10,783	0	10,783	4
Wall Cond	6,707	0	6,707	3
Partition/Door	20,223		20,223	8
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	105,009	0	105,009	41
Internal Loads				
Lights	21,123	5,281	26,404	10
People	47,968	0	47,968	19
Misc	38,797	0	38,797	15
Sub Total ==>	107,888	5,281	113,169	44
Ceiling Load	0	0	0	0
Ventilation Load	0	0	31,884	12
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-372	-372	0
Sup. Fan Heat			9,258	4
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	212,897	4,909	258,949	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 15
OADB: 101

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	52,241	27
Glass Solar	15,055	8
Glass/Door Cond	10,783	6
Wall Cond	6,707	4
Partition/Door	20,223	11
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	105,009	55
Internal Loads		
Lights	21,123	11
People	25,418	13
Misc	38,797	20
Sub Total ==>	85,338	45
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing		
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	190,347	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-7,188	-7,188	19.41
Glass Solar	0	0	0.00
Glass/Door Cond	-6,546	-6,546	17.67
Wall Cond	-2,426	-2,426	6.55
Partition/Door	-12,876	-12,876	34.76
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-29,037	-29,037	78.39
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		2,994	-8.08
RA Preheat Diff.		-10,998	29.69
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-29,037	-37,041	100.00

TEMPERATURES

	Cooling	Heating
SADB	53.1	73.4
Ra Plenum	75.0	70.0
Return	75.6	70.0
Ret/OA	77.4	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.2	0.0
Fn Frict	0.7	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	7,812	7,812
Terminal	7,812	7,812
Main Fan	7,812	7,812
Sec Fan	0	0
Nom Vent	550	0
AHU Vent	550	0
Infil	0	0
MinStop/Rh	0	0
Return	7,812	7,812
Exhaust	550	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	7.0	0.0
cfm/ft²	1.78	1.78
cfm/ton	362.01	
ft²/ton	203.85	
Btu/hr·ft²	58.87	0.00
No. People	110	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	21.6	259.0	220.1	7,812	77.4	61.9	58.2	52.0	50.1	51.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	21.6	259.0								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	4,399		
Part	2,533		
Int Door	0		
ExFlr	0		
Roof	4,399	0	0
Wall	967	569	59
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	7,812	69.1	73.4
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	0.0			

Zone Checksums

By Trial

CC PLANTA BAJA

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 16
Outside Air: OADB/WB/HR: 100 / 76 / 99

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	1,567	0	1,567	21
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	1,995		1,995	26
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	3,561	0	3,561	47
Internal Loads				
Lights	854	0	854	11
People	1,745	0	1,745	23
Misc	229	0	229	3
Sub Total ==>	2,829	0	2,829	37
Ceiling Load	0	0	0	0
Ventilation Load	0	0	1,019	13
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			149	2
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
***Grand Total* ==>**	6,390	0	7,557	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 16
OADB: 100

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	1,567	28
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	1,995	36
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	3,561	64
Internal Loads		
Lights	854	15
People	925	17
Misc	229	4
Sub Total ==>	2,009	36
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
***Grand Total* ==>**	5,570	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-230	-230	13.41
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-1,198	-1,198	69.66
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-1,428	-1,428	83.07
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		54	-3.14
RA Preheat Diff.		-345	20.07
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
***Grand Total* ==>**	-1,428	-1,719	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	75.1
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	77.0	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Frict	0.4	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	251	251
Terminal	251	251
Main Fan	251	251
Sec Fan	0	0
Nom Vent	20	0
AHU Vent	20	0
Infil	0	0
MinStop/Rh	0	0
Return	251	251
Exhaust	20	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	8.0	0.0
cfm/ft²	1.78	1.78
cfm/ton	398.09	
ft²/ton	223.98	
Btu/hr·ft²	53.58	0.00
No. People	4	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	0.6	7.6	6.3	251	77.0	63.8	67.8	54.5	53.7	60.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.6	7.6								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	141		
Part	236		
Int Door	0		
ExFlr	0		
Roof	141	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	251	69.0	75.1
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	0.0			

Zone Checksums

By Trial

CE PLANTA BAJA

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 16
Outside Air: OADB/WB/HR: 100 / 76 / 99

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	1,915	0	1,915	11
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	3,873		3,873	23
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	5,788	0	5,788	34
Internal Loads				
Lights	1,036	0	1,036	6
People	0	0	0	0
Misc	9,967	0	9,967	59
Sub Total ==>	11,003	0	11,003	65
Ceiling Load	0	0	0	0
Ventilation Load	0	0	0	0
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			72	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	16,791	0	16,863	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 16
OADB: 100

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	1,915	11
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	3,873	23
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	5,788	34
Internal Loads		
Lights	1,036	6
People	0	0
Misc	9,967	59
Sub Total ==>	11,003	66
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Grand Total ==>	16,791	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-284	-284	10.86
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-2,334	-2,334	89.14
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-2,618	-2,618	100.00
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-2,618	-2,618	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	73.1
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	75.0	70.0
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.1	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	756	756
Terminal	756	756
Main Fan	756	756
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	0	0
MinStop/Rh	0	0
Return	756	756
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	4.34	4.34
cfm/ton	537.79	
ft²/ton	123.79	
Btu/hr·ft²	96.94	0.00
No. People	0	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	1.4	16.9	16.9	756	75.1	61.1	58.6	55.0	53.4	58.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.4	16.9								

AREAS

	Gross Total ft²	Glass ft²	Glass (%)
Floor	174		
Part	459		
Int Door	0		
ExFlr	0		
Roof	174	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	756	70.0	73.1
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	0.0			

Zone Checksums

By Trial

CO PLANTA BAJA

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 6 / 16
Outside Air: OADB/WB/HR: 99 / 77 / 104

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	8,555	0	8,555	16
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	7,389		7,389	14
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	15,944	0	15,944	31
Internal Loads				
Lights	4,729	0	4,729	9
People	10,937	0	10,937	21
Misc	12,682	0	12,682	24
Sub Total ==>	28,347	0	28,347	54
Ceiling Load	0	0	0	0
Ventilation Load	0	0	6,735	13
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			1,054	2
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	44,291	0	52,080	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 16
OADB: 100

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	8,622	22
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	7,657	19
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	16,279	41
Internal Loads		
Lights	4,729	12
People	5,812	15
Misc	12,682	32
Sub Total ==>	23,222	59
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	39,501	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-1,262	-1,262	16.46
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-4,588	-4,588	59.82
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-5,850	-5,850	76.28
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		338	-4.40
RA Preheat Diff.		-2,157	28.12
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-5,850	-7,669	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	73.0
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	76.7	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Frict	0.4	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	1,778	1,778
Terminal	1,778	1,778
Main Fan	1,778	1,778
Sec Fan	0	0
Nom Vent	125	0
AHU Vent	125	0
Infil	0	0
MinStop/Rh	0	0
Return	1,778	1,778
Exhaust	125	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	7.0	0.0
cfm/ft²	2.30	2.30
cfm/ton	409.65	
ft²/ton	178.01	
Btu/hr·ft²	67.41	0.00
No. People	25	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter gr/lb	Leave DB °F	Leave WB °F	Leave gr/lb
Main Clg	4.3	52.1	43.5	1,778	76.7	63.7	67.9	54.5	53.9	61.4
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	4.3	52.1								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	773		
Part	903		
Int Door	0		
ExFlr	0		
Roof	773	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	1,778	69.1	73.0
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	0.0			

Zone Checksums

By Trial

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COOLING COIL PEAK

Peaked at Time: Mo/Hr: 6 / 16
Outside Air: OADB/WB/HR: 99 / 77 / 104

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	1,599	0	1,599	19
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	906		906	11
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	2,504	0	2,504	31
Internal Loads				
Lights	885	0	885	11
People	2,631	0	2,631	32
Misc	236	0	236	3
Sub Total ==>	3,752	0	3,752	46
Ceiling Load	0	0	0	0
Ventilation Load	0	0	1,699	21
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			247	3
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	6,256	0	8,202	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 15
OADB: 101

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	1,709	34
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	882	17
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	2,591	51
Internal Loads		
Lights	864	17
People	1,386	27
Misc	234	5
Sub Total ==>	2,484	49
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing		
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	5,074	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-235	-235	19.07
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-561	-561	45.52
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-796	-796	64.59
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		163	-13.24
RA Preheat Diff.		-600	48.65
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-796	-1,233	100.00

TEMPERATURES

	Cooling	Heating
SADB	53.1	73.4
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	78.4	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.2	0.0
Fn Frict	0.7	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	208	208
Terminal	208	208
Main Fan	208	208
Sec Fan	0	0
Nom Vent	30	0
AHU Vent	30	0
Infil	0	0
MinStop/Rh	0	0
Return	208	208
Exhaust	30	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	14.4	0.0
cfm/ft²	1.45	1.45
cfm/ton	304.67	
ft²/ton	210.51	
Btu/hr·ft²	57.00	0.00
No. People	6	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	0.7	8.2	6.1	208	78.4	64.2	67.5	52.0	50.7	53.2
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.7	8.2								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	144		
Part	110		
Int Door	0		
ExFlr	0		
Roof	144	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	208	68.1	73.4
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	0.0			

Zone Checksums

By Trial

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COOLING COIL PEAK

Peaked at Time: Mo/Hr: 9 / 16
Outside Air: OADB/WB/HR: 96 / 77 / 111

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	3,206	0	3,206	17
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	4,718	0	4,718	26
Partition/Door	3,347		3,347	18
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	11,271	0	11,271	61
Internal Loads				
Lights	1,947	0	1,947	11
People	1,303	0	1,303	7
Misc	2,625	0	2,625	14
Sub Total ==>	5,876	0	5,876	32
Ceiling Load	0	0	0	0
Ventilation Load	0	0	824	4
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			447	2
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	17,147	0	18,417	100.00

CLG SPACE PEAK

Mo/Hr: 1 / 17
OADB: 90

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	2,164	13
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	6,653	40
Partition/Door	2,602	16
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	11,419	68
Internal Loads		
Lights	1,989	12
People	695	4
Misc	2,647	16
Sub Total ==>	5,331	32
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	16,750	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-536	-536	12.19
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	-1,180	-1,180	26.84
Partition/Door	-2,461	-2,461	56.00
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-4,176	-4,176	95.03
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		41	-0.92
RA Preheat Diff.		-259	5.89
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-4,176	-4,395	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	75.0
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	75.4	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Frict	0.4	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	754	754
Terminal	754	754
Main Fan	754	754
Sec Fan	0	0
Nom Vent	15	0
AHU Vent	15	0
Infil	0	0
MinStop/Rh	0	0
Return	754	754
Exhaust	15	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	2.0	0.0
cfm/ft²	2.30	2.30
cfm/ton	491.24	
ft²/ton	213.64	
Btu/hr·ft²	56.17	0.00
No. People	3	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	1.5	18.4	17.3	754	75.4	62.9	66.1	54.5	54.4	63.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.5	18.4								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	328		
Part	484		
Int Door	0		
ExFlr	0		
Roof	328	0	0
Wall	193	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	754	69.7	75.0
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	0.0			

Zone Checksums

By Trial

ET PLANTA BAJA

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 15
Outside Air: OADB/WB/HR: 101 / 76 / 98

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	89,223	0	89,223	29
Glass Solar	6,143	0	6,143	2
Glass/Door Cond	3,582	0	3,582	1
Wall Cond	788	0	788	0
Partition/Door	20,247		20,247	7
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	119,983	0	119,983	39
Internal Loads				
Lights	37,194	9,298	46,492	15
People	30,720	0	30,720	10
Misc	84,119	0	84,119	28
Sub Total ==>	152,033	9,298	161,332	53
Ceiling Load	0	0	0	0
Ventilation Load	0	0	17,862	6
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-281	-281	0
Sup. Fan Heat			6,873	2
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	272,017	9,018	305,769	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 15
OADB: 101

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	89,223	35
Glass Solar	6,143	2
Glass/Door Cond	3,582	1
Wall Cond	788	0
Partition/Door	20,247	8
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	119,983	47
Internal Loads		
Lights	37,194	14
People	16,370	6
Misc	84,119	33
Sub Total ==>	137,683	53
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	257,667	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-12,243	-12,243	37.47
Glass Solar	0	0	0.00
Glass/Door Cond	-2,171	-2,171	6.64
Wall Cond	-288	-288	0.88
Partition/Door	-12,876	-12,876	39.41
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-27,578	-27,578	84.41
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		946	-2.89
RA Preheat Diff.		-6,039	18.49
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-27,578	-32,672	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	72.1
Ra Plenum	75.0	70.0
Return	75.7	70.0
Ret/OA	76.5	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Frict	0.4	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	11,597	11,597
Terminal	11,597	11,597
Main Fan	11,597	11,597
Sec Fan	0	0
Nom Vent	350	0
AHU Vent	350	0
Infil	0	0
MinStop/Rh	0	0
Return	11,597	11,597
Exhaust	350	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	3.0	0.0
cfm/ft²	1.55	1.55
cfm/ton	455.14	
ft²/ton	294.04	
Btu/hr·ft²	40.81	0.00
No. People	70	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	25.5	305.8	283.5	11,597	76.5	63.3	66.2	54.5	54.4	63.4
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	25.5	305.8								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	7,492		
Part	2,533		
Int Door	0		
ExFlr	0		
Roof	7,492	0	0
Wall	236	189	80
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	11,597	69.6	72.1
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	0.0			

Zone Checksums

By Trial

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COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 16
Outside Air: OADB/WB/HR: 100 / 76 / 99

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	1,619	0	1,619	12
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	1,038		1,038	8
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	2,657	0	2,657	19
Internal Loads				
Lights	891	0	891	7
People	0	0	0	0
Misc	10,051	0	10,051	74
Sub Total ==>	10,942	0	10,942	80
Ceiling Load	0	0	0	0
Ventilation Load	0	0	0	0
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			58	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	13,599	0	13,657	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 16
OADB: 100

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	1,619	12
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	1,038	8
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	2,657	20
Internal Loads		
Lights	891	7
People	0	0
Misc	10,051	74
Sub Total ==>	10,942	80
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Grand Total ==>	13,599	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-236	-236	27.56
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-621	-621	72.44
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-858	-858	100.00
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-858	-858	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	71.3
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	75.0	70.0
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.1	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	612	612
Terminal	612	612
Main Fan	612	612
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	0	0
MinStop/Rh	0	0
Return	612	612
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	4.23	4.23
cfm/ton	537.79	
ft²/ton	127.12	
Btu/hr·ft²	94.40	0.00
No. People	0	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	1.1	13.7	13.7	612	75.1	61.1	58.6	55.0	53.4	58.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.1	13.7								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	145		
Part	122		
Int Door	0		
ExFlr	0		
Roof	145	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	612	70.0	71.3
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	0.0			

Zone Checksums

By Trial

OFC-01 PLANTA BAJA

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 1 / 17
Outside Air: OADB/WB/HR: 90 / 71 / 87

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	902	0	902	6
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	6,592	0	6,592	46
Partition/Door	1,613		1,613	11
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	9,107	0	9,107	64
Internal Loads				
Lights	813	0	813	6
People	1,294	0	1,294	9
Misc	2,299	0	2,299	16
Sub Total ==>	4,406	0	4,406	31
Ceiling Load	0	0	0	0
Ventilation Load	0	0	471	3
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			344	2
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	13,513	0	14,328	100.00

CLG SPACE PEAK

Mo/Hr: 1 / 17
OADB: 90

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	902	7
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	6,592	51
Partition/Door	1,613	13
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	9,107	71
Internal Loads		
Lights	813	6
People	679	5
Misc	2,299	18
Sub Total ==>	3,791	29
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	12,898	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-231	-231	7.27
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	-1,180	-1,180	37.23
Partition/Door	-1,540	-1,540	48.61
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-2,950	-2,950	93.11
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		41	-1.28
RA Preheat Diff.		-259	8.17
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-2,950	-3,169	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	74.6
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	75.4	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Frict	0.4	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	581	581
Terminal	581	581
Main Fan	581	581
Sec Fan	0	0
Nom Vent	15	0
AHU Vent	15	0
Infil	0	0
MinStop/Rh	0	0
Return	581	581
Exhaust	15	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	2.6	0.0
cfm/ft²	4.12	4.12
cfm/ton	486.22	
ft²/ton	118.14	
Btu/hr·ft²	101.57	0.00
No. People	3	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	1.2	14.3	13.5	581	75.4	62.8	65.7	54.5	54.4	63.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.2	14.3								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	141		
Part	303		
Int Door	0		
ExFlr	0		
Roof	141	0	0
Wall	193	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	581	69.7	74.6
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	0.0			

Zone Checksums

By Trial

OFC-02 PLANTA BAJA

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 1 / 17
Outside Air: OADB/WB/HR: 90 / 71 / 87

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	917	0	917	7
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	6,618	0	6,618	49
Partition/Door	614		614	5
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	8,149	0	8,149	61
Internal Loads				
Lights	841	0	841	6
People	1,304	0	1,304	10
Misc	2,326	0	2,326	17
Sub Total ==>	4,471	0	4,471	33
Ceiling Load	0	0	0	0
Ventilation Load	0	0	471	4
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			320	2
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	12,620	0	13,411	100.00

CLG SPACE PEAK

Mo/Hr: 1 / 17
OADB: 90

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	917	8
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	6,618	55
Partition/Door	614	5
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	8,149	68
Internal Loads		
Lights	841	7
People	689	6
Misc	2,326	19
Sub Total ==>	3,856	32
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Grand Total ==>	12,005	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-231	-231	10.42
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	-1,180	-1,180	53.31
Partition/Door	-584	-584	26.41
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-1,995	-1,995	90.14
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		41	-1.83
RA Preheat Diff.		-259	11.70
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-1,995	-2,213	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	73.3
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	75.4	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Frict	0.4	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	540	540
Terminal	540	540
Main Fan	540	540
Sec Fan	0	0
Nom Vent	15	0
AHU Vent	15	0
Infil	0	0
MinStop/Rh	0	0
Return	540	540
Exhaust	15	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	2.8	0.0
cfm/ft²	3.83	3.83
cfm/ton	483.49	
ft²/ton	126.22	
Btu/hr·ft²	95.07	0.00
No. People	3	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	1.1	13.4	12.6	540	75.4	62.8	65.8	54.5	54.4	63.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.1	13.4								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	141		
Part	115		
Int Door	0		
ExFlr	0		
Roof	141	0	0
Wall	193	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	540	69.6	73.3
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	0.0			

Zone Checksums

By Trial

OFC-03 PLANTA BAJA

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 1 / 17
Outside Air: OADB/WB/HR: 90 / 71 / 87

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	917	0	917	7
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	6,618	0	6,618	49
Partition/Door	614		614	5
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	8,149	0	8,149	61
Internal Loads				
Lights	841	0	841	6
People	1,304	0	1,304	10
Misc	2,326	0	2,326	17
Sub Total ==>	4,471	0	4,471	33
Ceiling Load	0	0	0	0
Ventilation Load	0	0	471	4
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			320	2
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	12,620	0	13,411	100.00

CLG SPACE PEAK

Mo/Hr: 1 / 17
OADB: 90

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	917	8
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	6,618	55
Partition/Door	614	5
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	8,149	68
Internal Loads		
Lights	841	7
People	689	6
Misc	2,326	19
Sub Total ==>	3,856	32
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	12,005	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-231	-231	10.42
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	-1,180	-1,180	53.31
Partition/Door	-584	-584	26.41
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-1,995	-1,995	90.14
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		41	-1.83
RA Preheat Diff.		-259	11.70
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-1,995	-2,213	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	73.3
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	75.4	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Frict	0.4	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	540	540
Terminal	540	540
Main Fan	540	540
Sec Fan	0	0
Nom Vent	15	0
AHU Vent	15	0
Infil	0	0
MinStop/Rh	0	0
Return	540	540
Exhaust	15	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	2.8	0.0
cfm/ft²	3.83	3.83
cfm/ton	483.49	
ft²/ton	126.22	
Btu/hr·ft²	95.07	0.00
No. People	3	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter gr/lb	Leave DB °F	Leave WB °F	Leave gr/lb
Main Clg	1.1	13.4	12.6	540	75.4	62.8	65.8	54.5	54.4	63.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.1	13.4								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	141		
Part	115		
Int Door	0		
ExFlr	0		
Roof	141	0	0
Wall	193	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	540	69.6	73.3
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	0.0			

Zone Checksums

By Trial

OFC-04 PLANTA BAJA

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 1 / 17
Outside Air: OADB/WB/HR: 90 / 71 / 87

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	917	0	917	7
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	6,618	0	6,618	49
Partition/Door	614		614	5
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	8,149	0	8,149	61
Internal Loads				
Lights	841	0	841	6
People	1,304	0	1,304	10
Misc	2,326	0	2,326	17
Sub Total ==>	4,471	0	4,471	33
Ceiling Load	0	0	0	0
Ventilation Load	0	0	471	4
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			320	2
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	12,620	0	13,411	100.00

CLG SPACE PEAK

Mo/Hr: 1 / 17
OADB: 90

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	917	8
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	6,618	55
Partition/Door	614	5
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	8,149	68
Internal Loads		
Lights	841	7
People	689	6
Misc	2,326	19
Sub Total ==>	3,856	32
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Grand Total ==>	12,005	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-231	-231	10.42
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	-1,180	-1,180	53.31
Partition/Door	-584	-584	26.41
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-1,995	-1,995	90.14
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		41	-1.83
RA Preheat Diff.		-259	11.70
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-1,995	-2,213	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	73.3
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	75.4	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Frict	0.4	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	540	540
Terminal	540	540
Main Fan	540	540
Sec Fan	0	0
Nom Vent	15	0
AHU Vent	15	0
Infil	0	0
MinStop/Rh	0	0
Return	540	540
Exhaust	15	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	2.8	0.0
cfm/ft²	3.83	3.83
cfm/ton	483.49	
ft²/ton	126.22	
Btu/hr·ft²	95.07	0.00
No. People	3	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	1.1	13.4	12.6	540	75.4	62.8	65.8	54.5	54.4	63.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.1	13.4								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	141		
Part	115		
Int Door	0		
ExFlr	0		
Roof	141	0	0
Wall	193	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	540	69.6	73.3
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	0.0			

Zone Checksums

By Trial

OFC-05 PLANTA BAJA

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 1 / 17
Outside Air: OADB/WB/HR: 90 / 71 / 87

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	917	0	917	7
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	6,618	0	6,618	49
Partition/Door	614		614	5
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	8,149	0	8,149	61
Internal Loads				
Lights	841	0	841	6
People	1,304	0	1,304	10
Misc	2,326	0	2,326	17
Sub Total ==>	4,471	0	4,471	33
Ceiling Load	0	0	0	0
Ventilation Load	0	0	471	4
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			320	2
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	12,620	0	13,411	100.00

CLG SPACE PEAK

Mo/Hr: 1 / 17
OADB: 90

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	917	8
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	6,618	55
Partition/Door	614	5
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	8,149	68
Internal Loads		
Lights	841	7
People	689	6
Misc	2,326	19
Sub Total ==>	3,856	32
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	12,005	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-231	-231	10.42
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	-1,180	-1,180	53.31
Partition/Door	-584	-584	26.41
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-1,995	-1,995	90.14
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		41	-1.83
RA Preheat Diff.		-259	11.70
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-1,995	-2,213	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	73.3
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	75.4	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Frict	0.4	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	540	540
Terminal	540	540
Main Fan	540	540
Sec Fan	0	0
Nom Vent	15	0
AHU Vent	15	0
Infil	0	0
MinStop/Rh	0	0
Return	540	540
Exhaust	15	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	2.8	0.0
cfm/ft²	3.83	3.83
cfm/ton	483.49	
ft²/ton	126.22	
Btu/hr·ft²	95.07	0.00
No. People	3	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	1.1	13.4	12.6	540	75.4	62.8	65.8	54.5	54.4	63.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.1	13.4								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	141		
Part	115		
Int Door	0		
ExFlr	0		
Roof	141	0	0
Wall	193	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	540	69.6	73.3
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	0.0			

Zone Checksums

By Trial

OFC-06 PLANTA BAJA

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 1 / 17
Outside Air: OADB/WB/HR: 90 / 71 / 87

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	917	0	917	7
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	6,618	0	6,618	49
Partition/Door	614		614	5
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	8,149	0	8,149	61
Internal Loads				
Lights	841	0	841	6
People	1,304	0	1,304	10
Misc	2,326	0	2,326	17
Sub Total ==>	4,471	0	4,471	33
Ceiling Load	0	0	0	0
Ventilation Load	0	0	471	4
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			320	2
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	12,620	0	13,411	100.00

CLG SPACE PEAK

Mo/Hr: 1 / 17
OADB: 90

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	917	8
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	6,618	55
Partition/Door	614	5
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	8,149	68
Internal Loads		
Lights	841	7
People	689	6
Misc	2,326	19
Sub Total ==>	3,856	32
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Grand Total ==>	12,005	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-231	-231	10.42
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	-1,180	-1,180	53.31
Partition/Door	-584	-584	26.41
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-1,995	-1,995	90.14
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		41	-1.83
RA Preheat Diff.		-259	11.70
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-1,995	-2,213	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	73.3
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	75.4	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Frict	0.4	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	540	540
Terminal	540	540
Main Fan	540	540
Sec Fan	0	0
Nom Vent	15	0
AHU Vent	15	0
Infil	0	0
MinStop/Rh	0	0
Return	540	540
Exhaust	15	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	2.8	0.0
cfm/ft²	3.83	3.83
cfm/ton	483.49	
ft²/ton	126.22	
Btu/hr·ft²	95.07	0.00
No. People	3	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	1.1	13.4	12.6	540	75.4	62.8	65.8	54.5	54.4	63.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.1	13.4								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	141		
Part	115		
Int Door	0		
ExFlr	0		
Roof	141	0	0
Wall	193	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	540	69.6	73.3
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	0.0			

Zone Checksums

By Trial

OFC-07 PLANTA BAJA

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 1 / 17
Outside Air: OADB/WB/HR: 90 / 71 / 87

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	917	0	917	7
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	6,618	0	6,618	49
Partition/Door	614		614	5
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	8,149	0	8,149	61
Internal Loads				
Lights	841	0	841	6
People	1,304	0	1,304	10
Misc	2,326	0	2,326	17
Sub Total ==>	4,471	0	4,471	33
Ceiling Load	0	0	0	0
Ventilation Load	0	0	471	4
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			320	2
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	12,620	0	13,411	100.00

CLG SPACE PEAK

Mo/Hr: 1 / 17
OADB: 90

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	917	8
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	6,618	55
Partition/Door	614	5
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	8,149	68
Internal Loads		
Lights	841	7
People	689	6
Misc	2,326	19
Sub Total ==>	3,856	32
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Grand Total ==>	12,005	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-231	-231	10.42
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	-1,180	-1,180	53.31
Partition/Door	-584	-584	26.41
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-1,995	-1,995	90.14
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		41	-1.83
RA Preheat Diff.		-259	11.70
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-1,995	-2,213	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	73.3
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	75.4	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Frict	0.4	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	540	540
Terminal	540	540
Main Fan	540	540
Sec Fan	0	0
Nom Vent	15	0
AHU Vent	15	0
Infil	0	0
MinStop/Rh	0	0
Return	540	540
Exhaust	15	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	2.8	0.0
cfm/ft²	3.83	3.83
cfm/ton	483.49	
ft²/ton	126.22	
Btu/hr·ft²	95.07	0.00
No. People	3	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	1.1	13.4	12.6	540	75.4	62.8	65.8	54.5	54.4	63.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.1	13.4								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	141		
Part	115		
Int Door	0		
ExFlr	0		
Roof	141	0	0
Wall	193	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	540	69.6	73.3
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	0.0			

Zone Checksums

By Trial

OFC-08 PLANTA BAJA

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 1 / 17
Outside Air: OADB/WB/HR: 90 / 71 / 87

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	1,234	0	1,234	9
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	6,647	0	6,647	47
Partition/Door	617		617	4
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	8,499	0	8,499	60
Internal Loads				
Lights	1,134	0	1,134	8
People	1,309	0	1,309	9
Misc	2,417	0	2,417	17
Sub Total ==>	4,860	0	4,860	34
Ceiling Load	0	0	0	0
Ventilation Load	0	0	471	3
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			340	2
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	13,359	0	14,170	100.00

CLG SPACE PEAK

Mo/Hr: 1 / 17
OADB: 90

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	1,234	10
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	6,647	52
Partition/Door	617	5
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	8,499	67
Internal Loads		
Lights	1,134	9
People	694	5
Misc	2,417	19
Sub Total ==>	4,245	33
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	12,744	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-306	-306	13.38
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	-1,180	-1,180	51.54
Partition/Door	-584	-584	25.54
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-2,070	-2,070	90.46
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		41	-1.77
RA Preheat Diff.		-259	11.31
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-2,070	-2,289	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	73.3
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	75.4	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Frict	0.4	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	574	574
Terminal	574	574
Main Fan	574	574
Sec Fan	0	0
Nom Vent	15	0
AHU Vent	15	0
Infil	0	0
MinStop/Rh	0	0
Return	574	574
Exhaust	15	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	2.6	0.0
cfm/ft²	3.06	3.06
cfm/ton	485.77	
ft²/ton	158.76	
Btu/hr·ft²	75.59	0.00
No. People	3	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	1.2	14.2	13.3	574	75.4	62.8	65.7	54.5	54.4	63.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.2	14.2								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	187		
Part	115		
Int Door	0		
ExFlr	0		
Roof	187	0	0
Wall	193	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	574	69.7	73.3
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	0.0			

Zone Checksums

By Trial

OFC-09 PLANTA BAJA

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 1 / 17
Outside Air: OADB/WB/HR: 90 / 71 / 87

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	1,234	0	1,234	9
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	6,647	0	6,647	47
Partition/Door	617		617	4
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	8,499	0	8,499	60
Internal Loads				
Lights	1,134	0	1,134	8
People	1,309	0	1,309	9
Misc	2,417	0	2,417	17
Sub Total ==>	4,860	0	4,860	34
Ceiling Load	0	0	0	0
Ventilation Load	0	0	471	3
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			340	2
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	13,359	0	14,170	100.00

CLG SPACE PEAK

Mo/Hr: 1 / 17
OADB: 90

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	1,234	10
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	6,647	52
Partition/Door	617	5
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	8,499	67
Internal Loads		
Lights	1,134	9
People	694	5
Misc	2,417	19
Sub Total ==>	4,245	33
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	12,744	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-306	-306	13.38
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	-1,180	-1,180	51.54
Partition/Door	-584	-584	25.54
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-2,070	-2,070	90.46
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		41	-1.77
RA Preheat Diff.		-259	11.31
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-2,070	-2,289	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	73.3
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	75.4	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Frict	0.4	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	574	574
Terminal	574	574
Main Fan	574	574
Sec Fan	0	0
Nom Vent	15	0
AHU Vent	15	0
Infil	0	0
MinStop/Rh	0	0
Return	574	574
Exhaust	15	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	2.6	0.0
cfm/ft²	3.06	3.06
cfm/ton	485.77	
ft²/ton	158.76	
Btu/hr·ft²	75.59	0.00
No. People	3	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	1.2	14.2	13.3	574	75.4	62.8	65.7	54.5	54.4	63.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.2	14.2								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	187		
Part	115		
Int Door	0		
ExFlr	0		
Roof	187	0	0
Wall	193	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	574	69.7	73.3
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	0.0			

Zone Checksums

By Trial

OFC-10 PLANTA BAJA

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 1 / 17
Outside Air: OADB/WB/HR: 90 / 71 / 87

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	917	0	917	7
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	6,618	0	6,618	49
Partition/Door	614		614	5
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	8,149	0	8,149	61
Internal Loads				
Lights	841	0	841	6
People	1,304	0	1,304	10
Misc	2,326	0	2,326	17
Sub Total ==>	4,471	0	4,471	33
Ceiling Load	0	0	0	0
Ventilation Load	0	0	471	4
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			320	2
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	12,620	0	13,411	100.00

CLG SPACE PEAK

Mo/Hr: 1 / 17
OADB: 90

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	917	8
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	6,618	55
Partition/Door	614	5
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	8,149	68
Internal Loads		
Lights	841	7
People	689	6
Misc	2,326	19
Sub Total ==>	3,856	32
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	12,005	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-230	-230	10.42
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	-1,180	-1,180	53.31
Partition/Door	-584	-584	26.41
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-1,995	-1,995	90.14
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		41	-1.83
RA Preheat Diff.		-259	11.70
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-1,995	-2,213	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	73.3
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	75.4	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Frict	0.4	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	540	540
Terminal	540	540
Main Fan	540	540
Sec Fan	0	0
Nom Vent	15	0
AHU Vent	15	0
Infil	0	0
MinStop/Rh	0	0
Return	540	540
Exhaust	15	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	2.8	0.0
cfm/ft²	3.83	3.83
cfm/ton	483.49	
ft²/ton	126.21	
Btu/hr·ft²	95.08	0.00
No. People	3	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	1.1	13.4	12.6	540	75.4	62.8	65.8	54.5	54.4	63.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.1	13.4								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	141		
Part	115		
Int Door	0		
ExFlr	0		
Roof	141	0	0
Wall	193	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	540	69.6	73.3
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	0.0			

Zone Checksums

By Trial

OFC-11 PLANTA BAJA

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 1 / 17
Outside Air: OADB/WB/HR: 90 / 71 / 87

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	917	0	917	7
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	6,618	0	6,618	49
Partition/Door	614		614	5
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	8,149	0	8,149	61
Internal Loads				
Lights	841	0	841	6
People	1,304	0	1,304	10
Misc	2,326	0	2,326	17
Sub Total ==>	4,471	0	4,471	33
Ceiling Load	0	0	0	0
Ventilation Load	0	0	471	4
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			320	2
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	12,620	0	13,411	100.00

CLG SPACE PEAK

Mo/Hr: 1 / 17
OADB: 90

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	917	8
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	6,618	55
Partition/Door	614	5
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	8,149	68
Internal Loads		
Lights	841	7
People	689	6
Misc	2,326	19
Sub Total ==>	3,856	32
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Grand Total ==>	12,005	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-230	-230	10.42
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	-1,180	-1,180	53.31
Partition/Door	-584	-584	26.41
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-1,995	-1,995	90.14
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		41	-1.83
RA Preheat Diff.		-259	11.70
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-1,995	-2,213	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	73.3
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	75.4	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Frict	0.4	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	540	540
Terminal	540	540
Main Fan	540	540
Sec Fan	0	0
Nom Vent	15	0
AHU Vent	15	0
Infil	0	0
MinStop/Rh	0	0
Return	540	540
Exhaust	15	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	2.8	0.0
cfm/ft²	3.83	3.83
cfm/ton	483.49	
ft²/ton	126.21	
Btu/hr·ft²	95.08	0.00
No. People	3	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	1.1	13.4	12.6	540	75.4	62.8	65.8	54.5	54.4	63.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.1	13.4								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	141		
Part	115		
Int Door	0		
ExFlr	0		
Roof	141	0	0
Wall	193	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	540	69.6	73.3
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	0.0			

Zone Checksums

By Trial

OFC-12 PLANTA BAJA

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 1 / 17
Outside Air: OADB/WB/HR: 90 / 71 / 87

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	917	0	917	7
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	6,618	0	6,618	49
Partition/Door	614		614	5
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	8,149	0	8,149	61
Internal Loads				
Lights	841	0	841	6
People	1,304	0	1,304	10
Misc	2,326	0	2,326	17
Sub Total ==>	4,471	0	4,471	33
Ceiling Load	0	0	0	0
Ventilation Load	0	0	471	4
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			320	2
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	12,620	0	13,411	100.00

CLG SPACE PEAK

Mo/Hr: 1 / 17
OADB: 90

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	917	8
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	6,618	55
Partition/Door	614	5
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	8,149	68
Internal Loads		
Lights	841	7
People	689	6
Misc	2,326	19
Sub Total ==>	3,856	32
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Grand Total ==>	12,005	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-230	-230	10.42
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	-1,180	-1,180	53.31
Partition/Door	-584	-584	26.41
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-1,995	-1,995	90.14
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		41	-1.83
RA Preheat Diff.		-259	11.70
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-1,995	-2,213	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	73.3
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	75.4	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Frict	0.4	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	540	540
Terminal	540	540
Main Fan	540	540
Sec Fan	0	0
Nom Vent	15	0
AHU Vent	15	0
Infil	0	0
MinStop/Rh	0	0
Return	540	540
Exhaust	15	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	2.8	0.0
cfm/ft²	3.83	3.83
cfm/ton	483.49	
ft²/ton	126.21	
Btu/hr·ft²	95.08	0.00
No. People	3	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	1.1	13.4	12.6	540	75.4	62.8	65.8	54.5	54.4	63.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.1	13.4								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	141		
Part	115		
Int Door	0		
ExFlr	0		
Roof	141	0	0
Wall	193	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	540	69.6	73.3
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	0.0			

Zone Checksums

By Trial

OFC-13 PLANTA BAJA

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 1 / 17
Outside Air: OADB/WB/HR: 90 / 71 / 87

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	917	0	917	7
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	6,618	0	6,618	49
Partition/Door	614		614	5
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	8,149	0	8,149	61
Internal Loads				
Lights	841	0	841	6
People	1,304	0	1,304	10
Misc	2,326	0	2,326	17
Sub Total ==>	4,471	0	4,471	33
Ceiling Load	0	0	0	0
Ventilation Load	0	0	471	4
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			320	2
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	12,620	0	13,411	100.00

CLG SPACE PEAK

Mo/Hr: 1 / 17
OADB: 90

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	917	8
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	6,618	55
Partition/Door	614	5
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	8,149	68
Internal Loads		
Lights	841	7
People	689	6
Misc	2,326	19
Sub Total ==>	3,856	32
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Grand Total ==>	12,005	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-230	-230	10.42
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	-1,180	-1,180	53.31
Partition/Door	-584	-584	26.41
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-1,995	-1,995	90.14
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		41	-1.83
RA Preheat Diff.		-259	11.70
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-1,995	-2,213	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	73.3
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	75.4	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Frict	0.4	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	540	540
Terminal	540	540
Main Fan	540	540
Sec Fan	0	0
Nom Vent	15	0
AHU Vent	15	0
Infil	0	0
MinStop/Rh	0	0
Return	540	540
Exhaust	15	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	2.8	0.0
cfm/ft²	3.83	3.83
cfm/ton	483.49	
ft²/ton	126.21	
Btu/hr·ft²	95.08	0.00
No. People	3	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	1.1	13.4	12.6	540	75.4	62.8	65.8	54.5	54.4	63.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.1	13.4								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	141		
Part	115		
Int Door	0		
ExFlr	0		
Roof	141	0	0
Wall	193	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	540	69.6	73.3
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	0.0			

Zone Checksums

By Trial

OFICINA 1 NIVEL ESTACIONAMIENTO

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 1 / 17
Outside Air: OADB/WB/HR: 90 / 71 / 87

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	978	0	978	7
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	6,624	0	6,624	47
Partition/Door	592		592	4
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	8,194	0	8,194	59
Internal Loads				
Lights	898	0	898	6
People	1,306	0	1,306	9
Misc	2,346	0	2,346	17
Sub Total ==>	4,550	0	4,550	33
Ceiling Load	0	0	0	0
Ventilation Load	0	0	627	4
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			590	4
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	12,744	0	13,961	100.00

CLG SPACE PEAK

Mo/Hr: 1 / 17
OADB: 90

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	978	8
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	6,624	55
Partition/Door	592	5
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	8,194	68
Internal Loads		
Lights	898	7
People	691	6
Misc	2,346	19
Sub Total ==>	3,935	32
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	12,129	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-245	-245	11.11
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	-1,180	-1,180	53.48
Partition/Door	-563	-563	25.51
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-1,987	-1,987	90.10
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		82	-3.70
RA Preheat Diff.		-300	13.60
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-1,987	-2,206	100.00

TEMPERATURES

	Cooling	Heating
SADB	53.1	73.6
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	75.5	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.2	0.0
Fn Frict	0.7	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	498	498
Terminal	498	498
Main Fan	498	498
Sec Fan	0	0
Nom Vent	15	0
AHU Vent	15	0
Infil	0	0
MinStop/Rh	0	0
Return	498	498
Exhaust	15	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	3.0	0.0
cfm/ft²	3.32	3.32
cfm/ton	427.85	
ft²/ton	128.93	
Btu/hr·ft²	93.07	0.00
No. People	3	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR °F	Enter DB/WB/HR °F	Enter DB/WB/HR gr/lb	Leave DB/WB/HR °F	Leave DB/WB/HR °F	Leave DB/WB/HR gr/lb
Main Clg	1.2	14.0	13.0	498	75.5	59.6	51.3	52.0	49.4	48.3
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.2	14.0								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	150		
Part	111		
Int Door	0		
ExFlr	0		
Roof	150	0	0
Wall	193	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	498	69.6	73.6
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	0.0			

Zone Checksums

By Trial

OFICINA 2 NIVEL ESTACIONAMIENTO

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 6 / 16
Outside Air: OADB/WB/HR: 99 / 77 / 104

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	1,599	0	1,599	19
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	819		819	10
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	2,419	0	2,419	29
Internal Loads				
Lights	892	0	892	11
People	1,317	0	1,317	16
Misc	2,368	0	2,368	29
Sub Total ==>	4,577	0	4,577	56
Ceiling Load	0	0	0	0
Ventilation Load	0	0	927	11
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			312	4
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	6,996	0	8,235	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 16
OADB: 100

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	1,612	25
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	849	13
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	2,461	38
Internal Loads		
Lights	892	14
People	702	11
Misc	2,368	37
Sub Total ==>	3,962	62
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Grand Total ==>	6,423	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-235	-235	24.47
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-508	-508	52.82
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-743	-743	77.28
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		82	-8.50
RA Preheat Diff.		-300	31.21
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-743	-961	100.00

TEMPERATURES

	Cooling	Heating
SADB	53.1	72.5
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	76.4	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.2	0.0
Fn Frict	0.7	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	264	264
Terminal	264	264
Main Fan	264	264
Sec Fan	0	0
Nom Vent	15	0
AHU Vent	15	0
Infil	0	0
MinStop/Rh	0	0
Return	264	264
Exhaust	15	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	5.7	0.0
cfm/ft²	1.83	1.83
cfm/ton	384.13	
ft²/ton	209.69	
Btu/hr·ft²	57.23	0.00
No. People	3	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	0.7	8.2	7.1	264	76.4	61.2	56.8	52.0	50.0	50.7
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.7	8.2								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	144		
Part	100		
Int Door	0		
ExFlr	0		
Roof	144	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	264	69.3	72.5
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	0.0			

Zone Checksums

By Trial

SALA DE JUNTAS 1 NIVEL ESTACIONAMIENTO

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 6 / 16
Outside Air: OADB/WB/HR: 99 / 77 / 104

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	4,728	0	4,728	10
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	2,944		2,944	6
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	7,671	0	7,671	16
Internal Loads				
Lights	2,623	0	2,623	5
People	8,763	0	8,763	18
Misc	21,306	0	21,306	44
Sub Total ==>	32,692	0	32,692	68
Ceiling Load	0	0	0	0
Ventilation Load	0	0	6,105	13
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			1,771	4
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	40,363	0	48,239	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 16
OADB: 100

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	4,765	13
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	3,051	8
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	7,815	21
Internal Loads		
Lights	2,623	7
People	4,663	13
Misc	21,306	59
Sub Total ==>	28,592	79
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	36,407	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-696	-696	17.50
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-1,825	-1,825	45.90
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-2,521	-2,521	63.40
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		544	-13.69
RA Preheat Diff.		-2,000	50.29
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-2,521	-3,977	100.00

TEMPERATURES

	Cooling	Heating
SADB	53.1	71.5
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	76.6	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.2	0.0
Fn Frict	0.7	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	1,494	1,494
Terminal	1,494	1,494
Main Fan	1,494	1,494
Sec Fan	0	0
Nom Vent	100	0
AHU Vent	100	0
Infil	0	0
MinStop/Rh	0	0
Return	1,494	1,494
Exhaust	100	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	6.7	0.0
cfm/ft²	3.51	3.51
cfm/ton	371.69	
ft²/ton	105.93	
Btu/hr·ft²	113.28	0.00
No. People	20	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	4.0	48.2	40.7	1,494	76.6	61.6	58.2	52.0	50.1	51.1
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	4.0	48.2								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	426		
Part	359		
Int Door	0		
ExFlr	0		
Roof	426	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	1,494	69.1	71.5
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	0.0			

Zone Checksums

By Trial

SE PLANTA BAJA

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 6 / 15
Outside Air: OADB/WB/HR: 99 / 77 / 103

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	10,039	0	10,039	19
Glass Solar	6,862	0	6,862	13
Glass/Door Cond	3,477	0	3,477	6
Wall Cond	852	0	852	2
Partition/Door	1,847		1,847	3
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	23,077	0	23,077	43
Internal Loads				
Lights	4,216	1,054	5,270	10
People	10,955	0	10,955	20
Misc	6,961	0	6,961	13
Sub Total ==>	22,131	1,054	23,185	43
Ceiling Load	0	0	0	0
Ventilation Load	0	0	6,694	12
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-73	-73	0
Sup. Fan Heat			1,069	2
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	45,208	981	53,952	100.00

CLG SPACE PEAK

Mo/Hr: 6 / 15
OADB: 99

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	10,039	25
Glass Solar	6,862	17
Glass/Door Cond	3,477	9
Wall Cond	852	2
Partition/Door	1,847	5
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	23,077	58
Internal Loads		
Lights	4,216	11
People	5,830	15
Misc	6,961	17
Sub Total ==>	17,006	42
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	40,083	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-1,396	-1,396	20.27
Glass Solar	0	0	0.00
Glass/Door Cond	-2,171	-2,171	31.52
Wall Cond	-288	-288	4.18
Partition/Door	-1,213	-1,213	17.61
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-5,068	-5,068	73.59
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		338	-4.90
RA Preheat Diff.		-2,157	31.32
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-5,069	-6,888	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	72.5
Ra Plenum	75.0	70.0
Return	75.5	70.0
Ret/OA	77.2	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Frict	0.4	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	1,804	1,804
Terminal	1,804	1,804
Main Fan	1,804	1,804
Sec Fan	0	0
Nom Vent	125	0
AHU Vent	125	0
Infil	0	0
MinStop/Rh	0	0
Return	1,804	1,804
Exhaust	125	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	6.9	0.0
cfm/ft²	2.11	2.11
cfm/ton	401.27	
ft²/ton	190.05	
Btu/hr·ft²	63.14	0.00
No. People	25	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	4.5	54.0	45.5	1,804	77.2	63.8	67.8	54.5	53.8	61.1
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	4.5	54.0								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	854		
Part	239		
Int Door	0		
ExFlr	0		
Roof	854	0	0
Wall	236	189	80
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	1,804	69.1	72.5
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	0.0			

Zone Checksums

By Trial

SJ-01 PLANTA BAJA

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 6 / 16
Outside Air: OADB/WB/HR: 99 / 77 / 104

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	1,555	0	1,555	6
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	1,925		1,925	7
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	3,480	0	3,480	13
Internal Loads				
Lights	854	0	854	3
People	5,236	0	5,236	20
Misc	12,579	0	12,579	49
Sub Total ==>	18,669	0	18,669	72
Ceiling Load	0	0	0	0
Ventilation Load	0	0	3,233	12
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			527	2
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	22,148	0	25,909	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 16
OADB: 100

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	1,567	8
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	1,995	10
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	3,561	18
Internal Loads		
Lights	854	4
People	2,776	14
Misc	12,579	64
Sub Total ==>	16,209	82
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	19,770	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-230	-230	10.02
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-1,198	-1,198	52.04
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-1,428	-1,428	62.06
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		162	-7.05
RA Preheat Diff.		-1,035	44.99
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-1,428	-2,301	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	71.4
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	76.6	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Frict	0.4	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	890	890
Terminal	890	890
Main Fan	890	890
Sec Fan	0	0
Nom Vent	60	0
AHU Vent	60	0
Infil	0	0
MinStop/Rh	0	0
Return	890	890
Exhaust	60	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	6.7	0.0
cfm/ft²	6.31	6.31
cfm/ton	412.14	
ft²/ton	65.33	
Btu/hr·ft²	183.68	0.00
No. People	12	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	2.2	25.9	21.8	890	76.6	63.7	67.8	54.5	53.9	61.4
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	2.2	25.9								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	141		
Part	236		
Int Door	0		
ExFlr	0		
Roof	141	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	890	69.1	71.4
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	0.0			

Zone Checksums

By Trial

SJ-02 PLANTA BAJA

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 6 / 16
Outside Air: OADB/WB/HR: 99 / 77 / 104

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	1,555	0	1,555	5
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	1,925		1,925	6
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	3,480	0	3,480	12
Internal Loads				
Lights	854	0	854	3
People	6,109	0	6,109	21
Misc	14,853	0	14,853	50
Sub Total ==>	21,816	0	21,816	74
Ceiling Load	0	0	0	0
Ventilation Load	0	0	3,772	13
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			601	2
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	25,296	0	29,668	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 17
OADB: 98

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	1,376	6
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	2,034	9
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	3,409	15
Internal Loads		
Lights	872	4
People	3,270	15
Misc	14,974	66
Sub Total ==>	19,115	85
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	22,524	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-230	-230	9.42
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-1,198	-1,198	48.95
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-1,428	-1,428	58.37
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		189	-7.73
RA Preheat Diff.		-1,208	49.36
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-1,428	-2,447	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	71.3
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	76.6	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Frict	0.4	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	1,014	1,014
Terminal	1,014	1,014
Main Fan	1,014	1,014
Sec Fan	0	0
Nom Vent	70	0
AHU Vent	70	0
Infil	0	0
MinStop/Rh	0	0
Return	1,014	1,014
Exhaust	70	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	6.9	0.0
cfm/ft²	7.19	7.19
cfm/ton	410.05	
ft²/ton	57.05	
Btu/hr·ft²	210.34	0.00
No. People	14	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter gr/lb	Leave DB °F	Leave WB °F	Leave gr/lb
Main Clg	2.5	29.7	24.9	1,014	76.6	63.7	67.9	54.5	53.9	61.3
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	2.5	29.7								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	141		
Part	236		
Int Door	0		
ExFlr	0		
Roof	141	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	1,014	69.1	71.3
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	0.0			

Zone Checksums

By Trial

SJ-03 PLANTA BAJA

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 6 / 16
Outside Air: OADB/WB/HR: 99 / 77 / 104

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	1,566	0	1,566	20
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	943		943	12
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	2,509	0	2,509	32
Internal Loads				
Lights	869	0	869	11
People	1,753	0	1,753	23
Misc	1,376	0	1,376	18
Sub Total ==>	3,997	0	3,997	52
Ceiling Load	0	0	0	0
Ventilation Load	0	0	1,078	14
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			153	2
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	6,506	0	7,736	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 16
OADB: 100

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	1,578	28
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	977	17
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	2,555	45
Internal Loads		
Lights	869	15
People	933	16
Misc	1,376	24
Sub Total ==>	3,177	55
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	5,732	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-230	-230	20.84
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-584	-584	52.84
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-815	-815	73.68
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		54	-4.89
RA Preheat Diff.		-345	31.20
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-815	-1,106	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	72.8
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	76.8	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Frict	0.4	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	258	258
Terminal	258	258
Main Fan	258	258
Sec Fan	0	0
Nom Vent	20	0
AHU Vent	20	0
Infil	0	0
MinStop/Rh	0	0
Return	258	258
Exhaust	20	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	7.8	0.0
cfm/ft²	1.83	1.83
cfm/ton	400.20	
ft²/ton	218.79	
Btu/hr·ft²	54.85	0.00
No. People	4	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter gr/lb	Leave DB °F	Leave WB °F	Leave gr/lb
Main Clg	0.6	7.7	6.4	258	76.8	63.8	68.2	54.5	53.8	60.9
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.6	7.7								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	141		
Part	115		
Int Door	0		
ExFlr	0		
Roof	141	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	258	69.0	72.8
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	0.0			

Zone Checksums

By Trial

SJ-04 PLANTA BAJA

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 6 / 16
Outside Air: OADB/WB/HR: 99 / 77 / 104

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	1,566	0	1,566	20
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	943		943	12
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	2,509	0	2,509	32
Internal Loads				
Lights	869	0	869	11
People	1,753	0	1,753	23
Misc	1,376	0	1,376	18
Sub Total ==>	3,997	0	3,997	52
Ceiling Load	0	0	0	0
Ventilation Load	0	0	1,078	14
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			153	2
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	6,506	0	7,736	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 16
OADB: 100

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	1,578	28
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	977	17
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	2,555	45
Internal Loads		
Lights	869	15
People	933	16
Misc	1,376	24
Sub Total ==>	3,177	55
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing		
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	5,732	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-230	-230	20.84
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-584	-584	52.84
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-815	-815	73.68
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		54	-4.89
RA Preheat Diff.		-345	31.20
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-815	-1,106	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	72.8
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	76.8	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Frict	0.4	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	258	258
Terminal	258	258
Main Fan	258	258
Sec Fan	0	0
Nom Vent	20	0
AHU Vent	20	0
Infil	0	0
MinStop/Rh	0	0
Return	258	258
Exhaust	20	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	7.8	0.0
cfm/ft²	1.83	1.83
cfm/ton	400.20	
ft²/ton	218.79	
Btu/hr·ft²	54.85	0.00
No. People	4	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR °F	Enter DB/WB/HR °F	Enter DB/WB/HR gr/lb	Leave DB/WB/HR °F	Leave DB/WB/HR °F	Leave DB/WB/HR gr/lb
Main Clg	0.6	7.7	6.4	258	76.8	63.8	68.2	54.5	53.8	60.9
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.6	7.7								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	141		
Part	115		
Int Door	0		
ExFlr	0		
Roof	141	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	258	69.0	72.8
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	0.0			

Zone Checksums

By Trial

SJ-05 PLANTA BAJA

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 6 / 16
Outside Air: OADB/WB/HR: 99 / 77 / 104

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	1,555	0	1,555	6
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	1,925		1,925	7
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	3,480	0	3,480	13
Internal Loads				
Lights	854	0	854	3
People	5,236	0	5,236	20
Misc	12,579	0	12,579	49
Sub Total ==>	18,669	0	18,669	72
Ceiling Load	0	0	0	0
Ventilation Load	0	0	3,233	12
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			527	2
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	22,148	0	25,909	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 16
OADB: 100

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	1,567	8
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	1,995	10
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	3,561	18
Internal Loads		
Lights	854	4
People	2,776	14
Misc	12,579	64
Sub Total ==>	16,209	82
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	19,770	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-230	-230	10.02
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-1,198	-1,198	52.04
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-1,428	-1,428	62.06
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		162	-7.05
RA Preheat Diff.		-1,035	44.99
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-1,428	-2,301	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	71.4
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	76.6	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Frict	0.4	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	890	890
Terminal	890	890
Main Fan	890	890
Sec Fan	0	0
Nom Vent	60	0
AHU Vent	60	0
Infil	0	0
MinStop/Rh	0	0
Return	890	890
Exhaust	60	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	6.7	0.0
cfm/ft²	6.31	6.31
cfm/ton	412.14	
ft²/ton	65.33	
Btu/hr·ft²	183.68	0.00
No. People	12	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	2.2	25.9	21.8	890	76.6	63.7	67.8	54.5	53.9	61.4
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	2.2	25.9								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	141		
Part	236		
Int Door	0		
ExFlr	0		
Roof	141	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	890	69.1	71.4
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	0.0			

Zone Checksums

By Trial

SL PLANTA BAJA

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 1 / 17
Outside Air: OADB/WB/HR: 90 / 71 / 87

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	888	0	888	7
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	6,587	0	6,587	53
Partition/Door	1,952		1,952	16
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	9,427	0	9,427	75
Internal Loads				
Lights	797	0	797	6
People	1,291	0	1,291	10
Misc	222	0	222	2
Sub Total ==>	2,310	0	2,310	18
Ceiling Load	0	0	0	0
Ventilation Load	0	0	471	4
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			297	2
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	11,737	0	12,505	100.00

CLG SPACE PEAK

Mo/Hr: 1 / 17
OADB: 90

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	888	8
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	6,587	59
Partition/Door	1,952	18
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	9,427	85
Internal Loads		
Lights	797	7
People	676	6
Misc	222	2
Sub Total ==>	1,695	15
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Grand Total ==>	11,122	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-228	-228	6.54
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	-1,180	-1,180	33.78
Partition/Door	-1,866	-1,866	53.43
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-3,274	-3,274	93.75
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		41	-1.16
RA Preheat Diff.		-259	7.41
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-3,274	-3,492	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	75.9
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	75.4	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Frict	0.4	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	501	501
Terminal	501	501
Main Fan	501	501
Sec Fan	0	0
Nom Vent	15	0
AHU Vent	15	0
Infil	0	0
MinStop/Rh	0	0
Return	501	501
Exhaust	15	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	3.0	0.0
cfm/ft²	3.58	3.58
cfm/ton	480.41	
ft²/ton	134.03	
Btu/hr·ft²	89.53	0.00
No. People	3	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter gr/lb	Leave DB °F	Leave WB °F	Leave gr/lb
Main Clg	1.0	12.5	11.7	501	75.4	62.8	65.8	54.5	54.4	63.4
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.0	12.5								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	140		
Part	367		
Int Door	0		
ExFlr	0		
Roof	140	0	0
Wall	193	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	501	69.6	75.9
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	0.0			

Zone Checksums

By Trial

UM PLANTA BAJA

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 6 / 16
Outside Air: OADB/WB/HR: 99 / 77 / 104

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	4,669	0	4,669	12
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	3,874		3,874	10
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	8,544	0	8,544	22
Internal Loads				
Lights	2,581	0	2,581	6
People	13,124	0	13,124	33
Misc	6,725	0	6,725	17
Sub Total ==>	22,430	0	22,430	56
Ceiling Load	0	0	0	0
Ventilation Load	0	0	8,077	20
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			670	2
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	30,973	0	39,721	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 16
OADB: 100

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	4,706	19
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	4,015	16
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	8,720	35
Internal Loads		
Lights	2,581	10
People	6,974	28
Misc	6,725	27
Sub Total ==>	16,280	65
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	25,000	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-689	-689	13.06
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-2,405	-2,405	45.58
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-3,094	-3,094	58.64
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		389	-7.37
RA Preheat Diff.		-2,572	48.73
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-3,094	-5,277	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.1	72.5
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	78.2	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Frict	0.4	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	1,131	1,131
Terminal	1,131	1,131
Main Fan	1,131	1,131
Sec Fan	0	0
Nom Vent	150	0
AHU Vent	150	0
Infil	0	0
MinStop/Rh	0	0
Return	1,131	1,131
Exhaust	150	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	13.3	0.0
cfm/ft²	2.68	2.68
cfm/ton	341.64	
ft²/ton	127.38	
Btu/hr·ft²	94.20	0.00
No. People	30	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter gr/lb	Leave DB °F	Leave WB °F	Leave gr/lb
Main Clg	3.3	39.7	29.5	1,131	78.2	64.7	70.4	54.6	53.0	57.8
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	3.3	39.7								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	422		
Part	473		
Int Door	0		
ExFlr	0		
Roof	422	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	1,131	68.3	72.5
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	0.0			

Zone Checksums

By Trial

VU PLANTA BAJA

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 16
Outside Air: OADB/WB/HR: 100 / 76 / 99

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	1,943	0	1,943	23
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	1,490		1,490	18
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	3,433	0	3,433	40
Internal Loads				
Lights	1,068	0	1,068	13
People	876	0	876	10
Misc	2,408	0	2,408	28
Sub Total ==>	4,351	0	4,351	51
Ceiling Load	0	0	0	0
Ventilation Load	0	0	509	6
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			197	2
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
***Grand Total* ==>**	7,784	0	8,490	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 16
OADB: 100

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	1,943	26
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	1,490	20
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	3,433	47
Internal Loads		
Lights	1,068	14
People	466	6
Misc	2,408	33
Sub Total ==>	3,941	53
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
***Grand Total* ==>**	7,374	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-284	-284	21.50
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-892	-892	67.49
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-1,176	-1,176	88.99
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		27	-2.04
RA Preheat Diff.		-173	13.06
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
***Grand Total* ==>**	-1,176	-1,322	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	73.2
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	75.8	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Frict	0.4	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	332	332
Terminal	332	332
Main Fan	332	332
Sec Fan	0	0
Nom Vent	10	0
AHU Vent	10	0
Infil	0	0
MinStop/Rh	0	0
Return	332	332
Exhaust	10	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	3.0	0.0
cfm/ft²	1.91	1.91
cfm/ton	469.12	
ft²/ton	245.77	
Btu/hr·ft²	48.83	0.00
No. People	2	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	0.7	8.5	7.9	332	75.8	63.0	66.2	54.5	54.4	63.4
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.7	8.5								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	174		
Part	176		
Int Door	0		
ExFlr	0		
Roof	174	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	332	69.6	73.2
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	0.0			

Room Checksums

By Trial

AVI + SE NIVEL ESTACIONAMIENTO

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 15
Outside Air: OADB/WB/HR: 101 / 76 / 98

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	52,241	0	52,241	20
Glass Solar	15,055	0	15,055	6
Glass/Door Cond	10,783	0	10,783	4
Wall Cond	6,707	0	6,707	3
Partition/Door	20,223		20,223	8
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	105,009	0	105,009	41
Internal Loads				
Lights	21,123	5,281	26,404	10
People	47,968	0	47,968	19
Misc	38,797	0	38,797	15
Sub Total ==>	107,888	5,281	113,169	44
Ceiling Load	0	0	0	0
Ventilation Load	0	0	31,884	12
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-372	-372	0
Sup. Fan Heat			9,258	4
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	212,897	4,909	258,949	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 15
OADB: 101

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	52,241	27
Glass Solar	15,055	8
Glass/Door Cond	10,783	6
Wall Cond	6,707	4
Partition/Door	20,223	11
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	105,009	55
Internal Loads		
Lights	21,123	11
People	25,418	13
Misc	38,797	20
Sub Total ==>	85,338	45
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	190,347	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-7,188	-7,188	19.41
Glass Solar	0	0	0.00
Glass/Door Cond	-6,546	-6,546	17.67
Wall Cond	-2,426	-2,426	6.55
Partition/Door	-12,876	-12,876	34.76
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-29,037	-29,037	78.39
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		2,994	-8.08
RA Preheat Diff.		-10,998	29.69
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-29,037	-37,041	100.00

TEMPERATURES

	Cooling	Heating
SADB	53.1	73.4
Ra Plenum	75.0	70.0
Return	75.6	70.0
Ret/OA	77.4	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.2	0.0
Fn Frict	0.7	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	7,812	7,812
Terminal	7,812	7,812
Main Fan	7,812	7,812
Sec Fan	0	0
Nom Vent	550	0
AHU Vent	550	0
Infil	0	0
MinStop/Rh	0	0
Return	7,812	7,812
Exhaust	550	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	7.0	0.0
cfm/ft²	1.78	1.78
cfm/ton	362.01	
ft²/ton	203.85	
Btu/hr·ft²	58.87	0.00
No. People	110.0	25.0/1000 ft²

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	21.6	259.0	220.1	7,812	77.4	61.9	58.2	52.0	50.1	51.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	21.6	259.0								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	4,399		
Part	2,533		
Int Door	0		
ExFlr	0		
Roof	4,399	0	0
Wall	967	569	59
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	7,812	69.1	73.4
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	0.0			

Room Checksums

By Trial

CC PLANTA BAJA

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 16
Outside Air: OADB/WB/HR: 100 / 76 / 99

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	1,567	0	1,567	21
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	1,995		1,995	26
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	3,561	0	3,561	47
Internal Loads				
Lights	854	0	854	11
People	1,745	0	1,745	23
Misc	229	0	229	3
Sub Total ==>	2,829	0	2,829	37
Ceiling Load	0	0	0	0
Ventilation Load	0	0	1,019	13
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			149	2
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	6,390	0	7,557	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 16
OADB: 100

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	1,567	28
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	1,995	36
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	3,561	64
Internal Loads		
Lights	854	15
People	925	17
Misc	229	4
Sub Total ==>	2,009	36
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	5,570	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-230	-230	13.41
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-1,198	-1,198	69.66
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-1,428	-1,428	83.07
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		54	-3.14
RA Preheat Diff.		-345	20.07
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-1,428	-1,719	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	75.1
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	77.0	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Frict	0.4	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	251	251
Terminal	251	251
Main Fan	251	251
Sec Fan	0	0
Nom Vent	20	0
AHU Vent	20	0
Infil	0	0
MinStop/Rh	0	0
Return	251	251
Exhaust	20	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	8.0	0.0
cfm/ft²	1.78	1.78
cfm/ton	398.09	
ft²/ton	223.98	
Btu/hr·ft²	53.58	0.00
No. People	4.0	28.4/1000 ft²

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	0.6	7.6	6.3	251	77.0	63.8	67.8	54.5	53.7	60.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.6	7.6								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	141		
Part	236		
Int Door	0		
ExFlr	0		
Roof	141	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	251	69.0	75.1
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	0.0			

Room Checksums

By Trial

CE PLANTA BAJA

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 16
Outside Air: OADB/WB/HR: 100 / 76 / 99

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	1,915	0	1,915	11
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	3,873		3,873	23
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	5,788	0	5,788	34
Internal Loads				
Lights	1,036	0	1,036	6
People	0	0	0	0
Misc	9,967	0	9,967	59
Sub Total ==>	11,003	0	11,003	65
Ceiling Load	0	0	0	0
Ventilation Load	0	0	0	0
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			72	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
***Grand Total* ==>**	16,791	0	16,863	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 16
OADB: 100

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	1,915	11
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	3,873	23
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	5,788	34
Internal Loads		
Lights	1,036	6
People	0	0
Misc	9,967	59
Sub Total ==>	11,003	66
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
***Grand Total* ==>**	16,791	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-284	-284	10.86
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-2,334	-2,334	89.14
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-2,618	-2,618	100.00
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
***Grand Total* ==>**	-2,618	-2,618	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	73.1
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	75.0	70.0
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.1	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	756	756
Terminal	756	756
Main Fan	756	756
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	0	0
MinStop/Rh	0	0
Return	756	756
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	4.34	4.34
cfm/ton	537.79	
ft²/ton	123.79	
Btu/hr·ft²	96.94	0.00
No. People	0.0	0.0/1000 ft²

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	1.4	16.9	16.9	756	75.1	61.1	58.6	55.0	53.4	58.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.4	16.9								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	174		
Part	459		
Int Door	0		
ExFlr	0		
Roof	174	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	756	70.0	73.1
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	0.0			

Room Checksums

By Trial

CO PLANTA BAJA

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 6 / 16
Outside Air: OADB/WB/HR: 99 / 77 / 104

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	8,555	0	8,555	16
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	7,389		7,389	14
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	15,944	0	15,944	31
Internal Loads				
Lights	4,729	0	4,729	9
People	10,937	0	10,937	21
Misc	12,682	0	12,682	24
Sub Total ==>	28,347	0	28,347	54
Ceiling Load	0	0	0	0
Ventilation Load	0	0	6,735	13
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			1,054	2
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	44,291	0	52,080	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 16
OADB: 100

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	8,622	22
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	7,657	19
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	16,279	41
Internal Loads		
Lights	4,729	12
People	5,812	15
Misc	12,682	32
Sub Total ==>	23,222	59
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	39,501	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-1,262	-1,262	16.46
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-4,588	-4,588	59.82
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-5,850	-5,850	76.28
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		338	-4.40
RA Preheat Diff.		-2,157	28.12
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-5,850	-7,669	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	73.0
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	76.7	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Frict	0.4	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	1,778	1,778
Terminal	1,778	1,778
Main Fan	1,778	1,778
Sec Fan	0	0
Nom Vent	125	0
AHU Vent	125	0
Infil	0	0
MinStop/Rh	0	0
Return	1,778	1,778
Exhaust	125	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	7.0	0.0
cfm/ft²	2.30	2.30
cfm/ton	409.65	
ft²/ton	178.01	
Btu/hr·ft²	67.41	0.00
No. People	25.0	32.4/1000 ft²

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter gr/lb	Leave DB °F	Leave WB °F	Leave gr/lb
Main Clg	4.3	52.1	43.5	1,778	76.7	63.7	67.9	54.5	53.9	61.4
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	4.3	52.1								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	773		
Part	903		
Int Door	0		
ExFlr	0		
Roof	773	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	1,778	69.1	73.0
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	0.0			

Room Checksums

By Trial

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COOLING COIL PEAK

Peaked at Time: Mo/Hr: 6 / 16
Outside Air: OADB/WB/HR: 99 / 77 / 104

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	1,599	0	1,599	19
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	906		906	11
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	2,504	0	2,504	31
Internal Loads				
Lights	885	0	885	11
People	2,631	0	2,631	32
Misc	236	0	236	3
Sub Total ==>	3,752	0	3,752	46
Ceiling Load	0	0	0	0
Ventilation Load	0	0	1,699	21
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			247	3
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
***Grand Total* ==>**	6,256	0	8,202	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 15
OADB: 101

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	1,709	34
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	882	17
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	2,591	51
Internal Loads		
Lights	864	17
People	1,386	27
Misc	234	5
Sub Total ==>	2,484	49
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
***Grand Total* ==>**	5,074	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-235	-235	19.07
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-561	-561	45.52
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-796	-796	64.59
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		163	-13.24
RA Preheat Diff.		-600	48.65
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
***Grand Total* ==>**	-796	-1,233	100.00

TEMPERATURES

	Cooling	Heating
SADB	53.1	73.4
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	78.4	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.2	0.0
Fn Frict	0.7	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	208	208
Terminal	208	208
Main Fan	208	208
Sec Fan	0	0
Nom Vent	30	0
AHU Vent	30	0
Infil	0	0
MinStop/Rh	0	0
Return	208	208
Exhaust	30	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	14.4	0.0
cfm/ft²	1.45	1.45
cfm/ton	304.67	
ft²/ton	210.51	
Btu/hr·ft²	57.00	0.00
No. People	6.0	41.7/1000 ft²

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	0.7	8.2	6.1	208	78.4	64.2	67.5	52.0	50.7	53.2
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.7	8.2								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	144		
Part	110		
Int Door	0		
ExFlr	0		
Roof	144	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	208	68.1	73.4
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	0.0			

Room Checksums

By Trial

DE PLANTA BAJA

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 9 / 16
Outside Air: OADB/WB/HR: 96 / 77 / 111

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	3,206	0	3,206	17
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	4,718	0	4,718	26
Partition/Door	3,347		3,347	18
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	11,271	0	11,271	61
Internal Loads				
Lights	1,947	0	1,947	11
People	1,303	0	1,303	7
Misc	2,625	0	2,625	14
Sub Total ==>	5,876	0	5,876	32
Ceiling Load	0	0	0	0
Ventilation Load	0	0	824	4
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			447	2
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	17,147	0	18,417	100.00

CLG SPACE PEAK

Mo/Hr: 1 / 17
OADB: 90

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	2,164	13
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	6,653	40
Partition/Door	2,602	16
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	11,419	68
Internal Loads		
Lights	1,989	12
People	695	4
Misc	2,647	16
Sub Total ==>	5,331	32
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Grand Total ==>	16,750	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-536	-536	12.19
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	-1,180	-1,180	26.84
Partition/Door	-2,461	-2,461	56.00
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-4,176	-4,176	95.03
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		41	-0.92
RA Preheat Diff.		-259	5.89
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-4,176	-4,395	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	75.0
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	75.4	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Frict	0.4	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	754	754
Terminal	754	754
Main Fan	754	754
Sec Fan	0	0
Nom Vent	15	0
AHU Vent	15	0
Infil	0	0
MinStop/Rh	0	0
Return	754	754
Exhaust	15	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	2.0	0.0
cfm/ft²	2.30	2.30
cfm/ton	491.24	
ft²/ton	213.64	
Btu/hr·ft²	56.17	0.00
No. People	3.0	9.1/1000 ft²

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	1.5	18.4	17.3	754	75.4	62.9	66.1	54.5	54.4	63.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.5	18.4								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	328		
Part	484		
Int Door	0		
ExFlr	0		
Roof	328	0	0
Wall	193	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	754	69.7	75.0
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	0.0			

Room Checksums

By Trial

ET PLANTA BAJA

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 15
Outside Air: OADB/WB/HR: 101 / 76 / 98

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	89,223	0	89,223	29
Glass Solar	6,143	0	6,143	2
Glass/Door Cond	3,582	0	3,582	1
Wall Cond	788	0	788	0
Partition/Door	20,247		20,247	7
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	119,983	0	119,983	39
Internal Loads				
Lights	37,194	9,298	46,492	15
People	30,720	0	30,720	10
Misc	84,119	0	84,119	28
Sub Total ==>	152,033	9,298	161,332	53
Ceiling Load	0	0	0	0
Ventilation Load	0	0	17,862	6
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-281	-281	0
Sup. Fan Heat			6,873	2
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	272,017	9,018	305,769	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 15
OADB: 101

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	89,223	35
Glass Solar	6,143	2
Glass/Door Cond	3,582	1
Wall Cond	788	0
Partition/Door	20,247	8
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	119,983	47
Internal Loads		
Lights	37,194	14
People	16,370	6
Misc	84,119	33
Sub Total ==>	137,683	53
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	257,667	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-12,243	-12,243	37.47
Glass Solar	0	0	0.00
Glass/Door Cond	-2,171	-2,171	6.64
Wall Cond	-288	-288	0.88
Partition/Door	-12,876	-12,876	39.41
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-27,578	-27,578	84.41
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		946	-2.89
RA Preheat Diff.		-6,039	18.49
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-27,578	-32,672	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	72.1
Ra Plenum	75.0	70.0
Return	75.7	70.0
Ret/OA	76.5	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Frict	0.4	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	11,597	11,597
Terminal	11,597	11,597
Main Fan	11,597	11,597
Sec Fan	0	0
Nom Vent	350	0
AHU Vent	350	0
Infil	0	0
MinStop/Rh	0	0
Return	11,597	11,597
Exhaust	350	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	3.0	0.0
cfm/ft²	1.55	1.55
cfm/ton	455.14	
ft²/ton	294.04	
Btu/hr·ft²	40.81	0.00
No. People	70.0	9.3/1000 ft²

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	25.5	305.8	283.5	11,597	76.5	63.3	66.2	54.5	54.4	63.4
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	25.5	305.8								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	7,492		
Part	2,533		
Int Door	0		
ExFlr	0		
Roof	7,492	0	0
Wall	236	189	80
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	11,597	69.6	72.1
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	0.0			

Room Checksums

By Trial

IDF PLANTA BAJA

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 16
Outside Air: OADB/WB/HR: 100 / 76 / 99

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	1,619	0	1,619	12
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	1,038		1,038	8
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	2,657	0	2,657	19
Internal Loads				
Lights	891	0	891	7
People	0	0	0	0
Misc	10,051	0	10,051	74
Sub Total ==>	10,942	0	10,942	80
Ceiling Load	0	0	0	0
Ventilation Load	0	0	0	0
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			58	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	13,599	0	13,657	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 16
OADB: 100

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	1,619	12
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	1,038	8
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	2,657	20
Internal Loads		
Lights	891	7
People	0	0
Misc	10,051	74
Sub Total ==>	10,942	80
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Grand Total ==>	13,599	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-236	-236	27.56
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-621	-621	72.44
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-858	-858	100.00
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-858	-858	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	71.3
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	75.0	70.0
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.1	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	612	612
Terminal	612	612
Main Fan	612	612
Sec Fan	0	0
Nom Vent	0	0
AHU Vent	0	0
Infil	0	0
MinStop/Rh	0	0
Return	612	612
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	4.23	4.23
cfm/ton	537.79	
ft²/ton	127.12	
Btu/hr·ft²	94.40	0.00
No. People	0.0	0.0/1000 ft²

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	1.1	13.7	13.7	612	75.1	61.1	58.6	55.0	53.4	58.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.1	13.7								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	145		
Part	122		
Int Door	0		
ExFlr	0		
Roof	145	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	612	70.0	71.3
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	0.0			

Room Checksums

By Trial

OFC-01 PLANTA BAJA

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 1 / 17
Outside Air: OADB/WB/HR: 90 / 71 / 87

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	902	0	902	6
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	6,592	0	6,592	46
Partition/Door	1,613		1,613	11
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	9,107	0	9,107	64
Internal Loads				
Lights	813	0	813	6
People	1,294	0	1,294	9
Misc	2,299	0	2,299	16
Sub Total ==>	4,406	0	4,406	31
Ceiling Load	0	0	0	0
Ventilation Load	0	0	471	3
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			344	2
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	13,513	0	14,328	100.00

CLG SPACE PEAK

Mo/Hr: 1 / 17
OADB: 90

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	902	7
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	6,592	51
Partition/Door	1,613	13
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	9,107	71
Internal Loads		
Lights	813	6
People	679	5
Misc	2,299	18
Sub Total ==>	3,791	29
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Grand Total ==>	12,898	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-231	-231	7.27
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	-1,180	-1,180	37.23
Partition/Door	-1,540	-1,540	48.61
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-2,950	-2,950	93.11
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		41	-1.28
RA Preheat Diff.		-259	8.17
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-2,950	-3,169	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	74.6
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	75.4	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Frict	0.4	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	581	581
Terminal	581	581
Main Fan	581	581
Sec Fan	0	0
Nom Vent	15	0
AHU Vent	15	0
Infil	0	0
MinStop/Rh	0	0
Return	581	581
Exhaust	15	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	2.6	0.0
cfm/ft²	4.12	4.12
cfm/ton	486.22	
ft²/ton	118.14	
Btu/hr·ft²	101.57	0.00
No. People	3.0	21.3/1000 ft²

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	1.2	14.3	13.5	581	75.4	62.8	65.7	54.5	54.4	63.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.2	14.3								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	141		
Part	303		
Int Door	0		
ExFlr	0		
Roof	141	0	0
Wall	193	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	581	69.7	74.6
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	0.0			

Room Checksums

By Trial

OFC-02 PLANTA BAJA

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 1 / 17
Outside Air: OADB/WB/HR: 90 / 71 / 87

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	917	0	917	7
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	6,618	0	6,618	49
Partition/Door	614		614	5
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	8,149	0	8,149	61
Internal Loads				
Lights	841	0	841	6
People	1,304	0	1,304	10
Misc	2,326	0	2,326	17
Sub Total ==>	4,471	0	4,471	33
Ceiling Load	0	0	0	0
Ventilation Load	0	0	471	4
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			320	2
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	12,620	0	13,411	100.00

CLG SPACE PEAK

Mo/Hr: 1 / 17
OADB: 90

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	917	8
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	6,618	55
Partition/Door	614	5
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	8,149	68
Internal Loads		
Lights	841	7
People	689	6
Misc	2,326	19
Sub Total ==>	3,856	32
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Grand Total ==>	12,005	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-231	-231	10.42
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	-1,180	-1,180	53.31
Partition/Door	-584	-584	26.41
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-1,995	-1,995	90.14
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		41	-1.83
RA Preheat Diff.		-259	11.70
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-1,995	-2,213	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	73.3
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	75.4	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Frict	0.4	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	540	540
Terminal	540	540
Main Fan	540	540
Sec Fan	0	0
Nom Vent	15	0
AHU Vent	15	0
Infil	0	0
MinStop/Rh	0	0
Return	540	540
Exhaust	15	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	2.8	0.0
cfm/ft²	3.83	3.83
cfm/ton	483.49	
ft²/ton	126.22	
Btu/hr·ft²	95.07	0.00
No. People	3.0	21.3/1000 ft²

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	1.1	13.4	12.6	540	75.4	62.8	65.8	54.5	54.4	63.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.1	13.4								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	141		
Part	115		
Int Door	0		
ExFlr	0		
Roof	141	0	0
Wall	193	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	540	69.6	73.3
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	0.0			

Room Checksums

By Trial

OFC-03 PLANTA BAJA

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 1 / 17
Outside Air: OADB/WB/HR: 90 / 71 / 87

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	917	0	917	7
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	6,618	0	6,618	49
Partition/Door	614		614	5
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	8,149	0	8,149	61
Internal Loads				
Lights	841	0	841	6
People	1,304	0	1,304	10
Misc	2,326	0	2,326	17
Sub Total ==>	4,471	0	4,471	33
Ceiling Load	0	0	0	0
Ventilation Load	0	0	471	4
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			320	2
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	12,620	0	13,411	100.00

CLG SPACE PEAK

Mo/Hr: 1 / 17
OADB: 90

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	917	8
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	6,618	55
Partition/Door	614	5
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	8,149	68
Internal Loads		
Lights	841	7
People	689	6
Misc	2,326	19
Sub Total ==>	3,856	32
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	12,005	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-231	-231	10.42
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	-1,180	-1,180	53.31
Partition/Door	-584	-584	26.41
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-1,995	-1,995	90.14
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		41	-1.83
RA Preheat Diff.		-259	11.70
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-1,995	-2,213	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	73.3
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	75.4	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Frict	0.4	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	540	540
Terminal	540	540
Main Fan	540	540
Sec Fan	0	0
Nom Vent	15	0
AHU Vent	15	0
Infil	0	0
MinStop/Rh	0	0
Return	540	540
Exhaust	15	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	2.8	0.0
cfm/ft²	3.83	3.83
cfm/ton	483.49	
ft²/ton	126.22	
Btu/hr·ft²	95.07	0.00
No. People	3.0	21.3/1000 ft²

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	1.1	13.4	12.6	540	75.4	62.8	65.8	54.5	54.4	63.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.1	13.4								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	141		
Part	115		
Int Door	0		
ExFlr	0		
Roof	141	0	0
Wall	193	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	540	69.6	73.3
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	0.0			

Room Checksums

By Trial

OFC-04 PLANTA BAJA

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 1 / 17
Outside Air: OADB/WB/HR: 90 / 71 / 87

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	917	0	917	7
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	6,618	0	6,618	49
Partition/Door	614		614	5
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	8,149	0	8,149	61
Internal Loads				
Lights	841	0	841	6
People	1,304	0	1,304	10
Misc	2,326	0	2,326	17
Sub Total ==>	4,471	0	4,471	33
Ceiling Load	0	0	0	0
Ventilation Load	0	0	471	4
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			320	2
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	12,620	0	13,411	100.00

CLG SPACE PEAK

Mo/Hr: 1 / 17
OADB: 90

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	917	8
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	6,618	55
Partition/Door	614	5
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	8,149	68
Internal Loads		
Lights	841	7
People	689	6
Misc	2,326	19
Sub Total ==>	3,856	32
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	12,005	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-231	-231	10.42
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	-1,180	-1,180	53.31
Partition/Door	-584	-584	26.41
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-1,995	-1,995	90.14
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		41	-1.83
RA Preheat Diff.		-259	11.70
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-1,995	-2,213	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	73.3
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	75.4	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Frict	0.4	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	540	540
Terminal	540	540
Main Fan	540	540
Sec Fan	0	0
Nom Vent	15	0
AHU Vent	15	0
Infil	0	0
MinStop/Rh	0	0
Return	540	540
Exhaust	15	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	2.8	0.0
cfm/ft²	3.83	3.83
cfm/ton	483.49	
ft²/ton	126.22	
Btu/hr·ft²	95.07	0.00
No. People	3.0	21.3/1000 ft²

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	1.1	13.4	12.6	540	75.4	62.8	65.8	54.5	54.4	63.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.1	13.4								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	141		
Part	115		
Int Door	0		
ExFlr	0		
Roof	141	0	0
Wall	193	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	540	69.6	73.3
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	0.0			

Room Checksums

By Trial

OFC-05 PLANTA BAJA

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 1 / 17
Outside Air: OADB/WB/HR: 90 / 71 / 87

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	917	0	917	7
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	6,618	0	6,618	49
Partition/Door	614		614	5
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	8,149	0	8,149	61
Internal Loads				
Lights	841	0	841	6
People	1,304	0	1,304	10
Misc	2,326	0	2,326	17
Sub Total ==>	4,471	0	4,471	33
Ceiling Load	0	0	0	0
Ventilation Load	0	0	471	4
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			320	2
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	12,620	0	13,411	100.00

CLG SPACE PEAK

Mo/Hr: 1 / 17
OADB: 90

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	917	8
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	6,618	55
Partition/Door	614	5
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	8,149	68
Internal Loads		
Lights	841	7
People	689	6
Misc	2,326	19
Sub Total ==>	3,856	32
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	12,005	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-231	-231	10.42
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	-1,180	-1,180	53.31
Partition/Door	-584	-584	26.41
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-1,995	-1,995	90.14
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		41	-1.83
RA Preheat Diff.		-259	11.70
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-1,995	-2,213	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	73.3
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	75.4	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Frict	0.4	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	540	540
Terminal	540	540
Main Fan	540	540
Sec Fan	0	0
Nom Vent	15	0
AHU Vent	15	0
Infil	0	0
MinStop/Rh	0	0
Return	540	540
Exhaust	15	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	2.8	0.0
cfm/ft²	3.83	3.83
cfm/ton	483.49	
ft²/ton	126.22	
Btu/hr·ft²	95.07	0.00
No. People	3.0	21.3/1000 ft²

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	1.1	13.4	12.6	540	75.4	62.8	65.8	54.5	54.4	63.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.1	13.4								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	141		
Part	115		
Int Door	0		
ExFlr	0		
Roof	141	0	0
Wall	193	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	540	69.6	73.3
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	0.0			

Room Checksums

By Trial

OFC-06 PLANTA BAJA

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 1 / 17
Outside Air: OADB/WB/HR: 90 / 71 / 87

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	917	0	917	7
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	6,618	0	6,618	49
Partition/Door	614		614	5
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	8,149	0	8,149	61
Internal Loads				
Lights	841	0	841	6
People	1,304	0	1,304	10
Misc	2,326	0	2,326	17
Sub Total ==>	4,471	0	4,471	33
Ceiling Load	0	0	0	0
Ventilation Load	0	0	471	4
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			320	2
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	12,620	0	13,411	100.00

CLG SPACE PEAK

Mo/Hr: 1 / 17
OADB: 90

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	917	8
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	6,618	55
Partition/Door	614	5
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	8,149	68
Internal Loads		
Lights	841	7
People	689	6
Misc	2,326	19
Sub Total ==>	3,856	32
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Grand Total ==>	12,005	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-231	-231	10.42
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	-1,180	-1,180	53.31
Partition/Door	-584	-584	26.41
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-1,995	-1,995	90.14
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		41	-1.83
RA Preheat Diff.		-259	11.70
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-1,995	-2,213	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	73.3
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	75.4	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Frict	0.4	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	540	540
Terminal	540	540
Main Fan	540	540
Sec Fan	0	0
Nom Vent	15	0
AHU Vent	15	0
Infil	0	0
MinStop/Rh	0	0
Return	540	540
Exhaust	15	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	2.8	0.0
cfm/ft²	3.83	3.83
cfm/ton	483.49	
ft²/ton	126.22	
Btu/hr·ft²	95.07	0.00
No. People	3.0	21.3/1000 ft²

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	1.1	13.4	12.6	540	75.4	62.8	65.8	54.5	54.4	63.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.1	13.4								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	141		
Part	115		
Int Door	0		
ExFlr	0		
Roof	141	0	0
Wall	193	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	540	69.6	73.3
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	0.0			

Room Checksums

By Trial

OFC-07 PLANTA BAJA

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 1 / 17
Outside Air: OADB/WB/HR: 90 / 71 / 87

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	917	0	917	7
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	6,618	0	6,618	49
Partition/Door	614		614	5
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	8,149	0	8,149	61
Internal Loads				
Lights	841	0	841	6
People	1,304	0	1,304	10
Misc	2,326	0	2,326	17
Sub Total ==>	4,471	0	4,471	33
Ceiling Load	0	0	0	0
Ventilation Load	0	0	471	4
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			320	2
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	12,620	0	13,411	100.00

CLG SPACE PEAK

Mo/Hr: 1 / 17
OADB: 90

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	917	8
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	6,618	55
Partition/Door	614	5
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	8,149	68
Internal Loads		
Lights	841	7
People	689	6
Misc	2,326	19
Sub Total ==>	3,856	32
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Grand Total ==>	12,005	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-231	-231	10.42
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	-1,180	-1,180	53.31
Partition/Door	-584	-584	26.41
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-1,995	-1,995	90.14
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		41	-1.83
RA Preheat Diff.		-259	11.70
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-1,995	-2,213	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	73.3
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	75.4	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Frict	0.4	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	540	540
Terminal	540	540
Main Fan	540	540
Sec Fan	0	0
Nom Vent	15	0
AHU Vent	15	0
Infil	0	0
MinStop/Rh	0	0
Return	540	540
Exhaust	15	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	2.8	0.0
cfm/ft²	3.83	3.83
cfm/ton	483.49	
ft²/ton	126.22	
Btu/hr·ft²	95.07	0.00
No. People	3.0	21.3/1000 ft²

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	1.1	13.4	12.6	540	75.4	62.8	65.8	54.5	54.4	63.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.1	13.4								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	141		
Part	115		
Int Door	0		
ExFlr	0		
Roof	141	0	0
Wall	193	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	540	69.6	73.3
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	0.0			

Room Checksums

By Trial

OFC-08 PLANTA BAJA

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 1 / 17
Outside Air: OADB/WB/HR: 90 / 71 / 87

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	1,234	0	1,234	9
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	6,647	0	6,647	47
Partition/Door	617		617	4
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	8,499	0	8,499	60
Internal Loads				
Lights	1,134	0	1,134	8
People	1,309	0	1,309	9
Misc	2,417	0	2,417	17
Sub Total ==>	4,860	0	4,860	34
Ceiling Load	0	0	0	0
Ventilation Load	0	0	471	3
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			340	2
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	13,359	0	14,170	100.00

CLG SPACE PEAK

Mo/Hr: 1 / 17
OADB: 90

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	1,234	10
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	6,647	52
Partition/Door	617	5
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	8,499	67
Internal Loads		
Lights	1,134	9
People	694	5
Misc	2,417	19
Sub Total ==>	4,245	33
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Grand Total ==>	12,744	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-306	-306	13.38
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	-1,180	-1,180	51.54
Partition/Door	-584	-584	25.54
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-2,070	-2,070	90.46
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		41	-1.77
RA Preheat Diff.		-259	11.31
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-2,070	-2,289	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	73.3
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	75.4	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Frict	0.4	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	574	574
Terminal	574	574
Main Fan	574	574
Sec Fan	0	0
Nom Vent	15	0
AHU Vent	15	0
Infil	0	0
MinStop/Rh	0	0
Return	574	574
Exhaust	15	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	2.6	0.0
cfm/ft²	3.06	3.06
cfm/ton	485.77	
ft²/ton	158.76	
Btu/hr·ft²	75.59	0.00
No. People	3.0	16.0/1000 ft²

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter gr/lb	Leave DB °F	Leave WB °F	Leave gr/lb
Main Clg	1.2	14.2	13.3	574	75.4	62.8	65.7	54.5	54.4	63.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.2	14.2								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	187		
Part	115		
Int Door	0		
ExFlr	0		
Roof	187	0	0
Wall	193	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	574	69.7	73.3
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	0.0			

Room Checksums

By Trial

OFC-09 PLANTA BAJA

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 1 / 17
Outside Air: OADB/WB/HR: 90 / 71 / 87

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	1,234	0	1,234	9
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	6,647	0	6,647	47
Partition/Door	617		617	4
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	8,499	0	8,499	60
Internal Loads				
Lights	1,134	0	1,134	8
People	1,309	0	1,309	9
Misc	2,417	0	2,417	17
Sub Total ==>	4,860	0	4,860	34
Ceiling Load	0	0	0	0
Ventilation Load	0	0	471	3
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			340	2
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	13,359	0	14,170	100.00

CLG SPACE PEAK

Mo/Hr: 1 / 17
OADB: 90

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	1,234	10
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	6,647	52
Partition/Door	617	5
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	8,499	67
Internal Loads		
Lights	1,134	9
People	694	5
Misc	2,417	19
Sub Total ==>	4,245	33
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	12,744	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-306	-306	13.38
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	-1,180	-1,180	51.54
Partition/Door	-584	-584	25.54
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-2,070	-2,070	90.46
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		41	-1.77
RA Preheat Diff.		-259	11.31
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-2,070	-2,289	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	73.3
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	75.4	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Frict	0.4	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	574	574
Terminal	574	574
Main Fan	574	574
Sec Fan	0	0
Nom Vent	15	0
AHU Vent	15	0
Infil	0	0
MinStop/Rh	0	0
Return	574	574
Exhaust	15	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	2.6	0.0
cfm/ft²	3.06	3.06
cfm/ton	485.77	
ft²/ton	158.76	
Btu/hr·ft²	75.59	0.00
No. People	3.0	16.0/1000 ft²

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	1.2	14.2	13.3	574	75.4	62.8	65.7	54.5	54.4	63.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.2	14.2								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	187		
Part	115		
Int Door	0		
ExFlr	0		
Roof	187	0	0
Wall	193	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	574	69.7	73.3
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	0.0			

Room Checksums

By Trial

OFC-10 PLANTA BAJA

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 1 / 17
Outside Air: OADB/WB/HR: 90 / 71 / 87

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	917	0	917	7
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	6,618	0	6,618	49
Partition/Door	614		614	5
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	8,149	0	8,149	61
Internal Loads				
Lights	841	0	841	6
People	1,304	0	1,304	10
Misc	2,326	0	2,326	17
Sub Total ==>	4,471	0	4,471	33
Ceiling Load	0	0	0	0
Ventilation Load	0	0	471	4
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			320	2
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	12,620	0	13,411	100.00

CLG SPACE PEAK

Mo/Hr: 1 / 17
OADB: 90

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	917	8
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	6,618	55
Partition/Door	614	5
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	8,149	68
Internal Loads		
Lights	841	7
People	689	6
Misc	2,326	19
Sub Total ==>	3,856	32
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Grand Total ==>	12,005	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-230	-230	10.42
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	-1,180	-1,180	53.31
Partition/Door	-584	-584	26.41
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-1,995	-1,995	90.14
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		41	-1.83
RA Preheat Diff.		-259	11.70
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-1,995	-2,213	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	73.3
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	75.4	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Frict	0.4	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	540	540
Terminal	540	540
Main Fan	540	540
Sec Fan	0	0
Nom Vent	15	0
AHU Vent	15	0
Infil	0	0
MinStop/Rh	0	0
Return	540	540
Exhaust	15	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	2.8	0.0
cfm/ft²	3.83	3.83
cfm/ton	483.49	
ft²/ton	126.21	
Btu/hr·ft²	95.08	0.00
No. People	3.0	21.3/1000 ft²

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	1.1	13.4	12.6	540	75.4	62.8	65.8	54.5	54.4	63.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.1	13.4								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	141		
Part	115		
Int Door	0		
ExFlr	0		
Roof	141	0	0
Wall	193	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	540	69.6	73.3
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	0.0			

Room Checksums

By Trial

OFC-11 PLANTA BAJA

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 1 / 17
Outside Air: OADB/WB/HR: 90 / 71 / 87

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	917	0	917	7
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	6,618	0	6,618	49
Partition/Door	614		614	5
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	8,149	0	8,149	61
Internal Loads				
Lights	841	0	841	6
People	1,304	0	1,304	10
Misc	2,326	0	2,326	17
Sub Total ==>	4,471	0	4,471	33
Ceiling Load	0	0	0	0
Ventilation Load	0	0	471	4
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			320	2
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	12,620	0	13,411	100.00

CLG SPACE PEAK

Mo/Hr: 1 / 17
OADB: 90

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	917	8
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	6,618	55
Partition/Door	614	5
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	8,149	68
Internal Loads		
Lights	841	7
People	689	6
Misc	2,326	19
Sub Total ==>	3,856	32
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	12,005	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-230	-230	10.42
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	-1,180	-1,180	53.31
Partition/Door	-584	-584	26.41
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-1,995	-1,995	90.14
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		41	-1.83
RA Preheat Diff.		-259	11.70
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-1,995	-2,213	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	73.3
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	75.4	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Frict	0.4	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	540	540
Terminal	540	540
Main Fan	540	540
Sec Fan	0	0
Nom Vent	15	0
AHU Vent	15	0
Infil	0	0
MinStop/Rh	0	0
Return	540	540
Exhaust	15	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	2.8	0.0
cfm/ft²	3.83	3.83
cfm/ton	483.49	
ft²/ton	126.21	
Btu/hr·ft²	95.08	0.00
No. People	3.0	21.3/1000 ft²

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	1.1	13.4	12.6	540	75.4	62.8	65.8	54.5	54.4	63.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.1	13.4								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	141		
Part	115		
Int Door	0		
ExFlr	0		
Roof	141	0	0
Wall	193	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	540	69.6	73.3
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	0.0			

Room Checksums

By Trial

OFC-12 PLANTA BAJA

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 1 / 17
Outside Air: OADB/WB/HR: 90 / 71 / 87

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	917	0	917	7
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	6,618	0	6,618	49
Partition/Door	614		614	5
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	8,149	0	8,149	61
Internal Loads				
Lights	841	0	841	6
People	1,304	0	1,304	10
Misc	2,326	0	2,326	17
Sub Total ==>	4,471	0	4,471	33
Ceiling Load	0	0	0	0
Ventilation Load	0	0	471	4
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			320	2
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	12,620	0	13,411	100.00

CLG SPACE PEAK

Mo/Hr: 1 / 17
OADB: 90

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	917	8
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	6,618	55
Partition/Door	614	5
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	8,149	68
Internal Loads		
Lights	841	7
People	689	6
Misc	2,326	19
Sub Total ==>	3,856	32
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	12,005	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-230	-230	10.42
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	-1,180	-1,180	53.31
Partition/Door	-584	-584	26.41
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-1,995	-1,995	90.14
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		41	-1.83
RA Preheat Diff.		-259	11.70
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-1,995	-2,213	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	73.3
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	75.4	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Frict	0.4	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	540	540
Terminal	540	540
Main Fan	540	540
Sec Fan	0	0
Nom Vent	15	0
AHU Vent	15	0
Infil	0	0
MinStop/Rh	0	0
Return	540	540
Exhaust	15	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	2.8	0.0
cfm/ft²	3.83	3.83
cfm/ton	483.49	
ft²/ton	126.21	
Btu/hr·ft²	95.08	0.00
No. People	3.0	21.3/1000 ft²

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	1.1	13.4	12.6	540	75.4	62.8	65.8	54.5	54.4	63.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.1	13.4								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	141		
Part	115		
Int Door	0		
ExFlr	0		
Roof	141	0	0
Wall	193	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	540	69.6	73.3
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	0.0			

Room Checksums

By Trial

OFC-13 PLANTA BAJA

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 1 / 17
Outside Air: OADB/WB/HR: 90 / 71 / 87

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	917	0	917	7
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	6,618	0	6,618	49
Partition/Door	614		614	5
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	8,149	0	8,149	61
Internal Loads				
Lights	841	0	841	6
People	1,304	0	1,304	10
Misc	2,326	0	2,326	17
Sub Total ==>	4,471	0	4,471	33
Ceiling Load	0	0	0	0
Ventilation Load	0	0	471	4
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			320	2
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	12,620	0	13,411	100.00

CLG SPACE PEAK

Mo/Hr: 1 / 17
OADB: 90

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	917	8
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	6,618	55
Partition/Door	614	5
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	8,149	68
Internal Loads		
Lights	841	7
People	689	6
Misc	2,326	19
Sub Total ==>	3,856	32
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	12,005	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-230	-230	10.42
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	-1,180	-1,180	53.31
Partition/Door	-584	-584	26.41
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-1,995	-1,995	90.14
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		41	-1.83
RA Preheat Diff.		-259	11.70
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-1,995	-2,213	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	73.3
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	75.4	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Frict	0.4	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	540	540
Terminal	540	540
Main Fan	540	540
Sec Fan	0	0
Nom Vent	15	0
AHU Vent	15	0
Infil	0	0
MinStop/Rh	0	0
Return	540	540
Exhaust	15	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	2.8	0.0
cfm/ft²	3.83	3.83
cfm/ton	483.49	
ft²/ton	126.21	
Btu/hr·ft²	95.08	0.00
No. People	3.0	21.3/1000 ft²

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	1.1	13.4	12.6	540	75.4	62.8	65.8	54.5	54.4	63.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.1	13.4								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	141		
Part	115		
Int Door	0		
ExFlr	0		
Roof	141	0	0
Wall	193	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	540	69.6	73.3
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	0.0			

Room Checksums

By Trial

OFICINA 1 NIVEL ESTACIONAMIENTO

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 1 / 17
Outside Air: OADB/WB/HR: 90 / 71 / 87

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	978	0	978	7
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	6,624	0	6,624	47
Partition/Door	592		592	4
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	8,194	0	8,194	59
Internal Loads				
Lights	898	0	898	6
People	1,306	0	1,306	9
Misc	2,346	0	2,346	17
Sub Total ==>	4,550	0	4,550	33
Ceiling Load	0	0	0	0
Ventilation Load	0	0	627	4
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			590	4
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	12,744	0	13,961	100.00

CLG SPACE PEAK

Mo/Hr: 1 / 17
OADB: 90

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	978	8
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	6,624	55
Partition/Door	592	5
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	8,194	68
Internal Loads		
Lights	898	7
People	691	6
Misc	2,346	19
Sub Total ==>	3,935	32
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Grand Total ==>	12,129	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-245	-245	11.11
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	-1,180	-1,180	53.48
Partition/Door	-563	-563	25.51
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-1,987	-1,987	90.10
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		82	-3.70
RA Preheat Diff.		-300	13.60
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-1,987	-2,206	100.00

TEMPERATURES

	Cooling	Heating
SADB	53.1	73.6
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	75.5	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.2	0.0
Fn Frict	0.7	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	498	498
Terminal	498	498
Main Fan	498	498
Sec Fan	0	0
Nom Vent	15	0
AHU Vent	15	0
Infil	0	0
MinStop/Rh	0	0
Return	498	498
Exhaust	15	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	3.0	0.0
cfm/ft²	3.32	3.32
cfm/ton	427.85	
ft²/ton	128.93	
Btu/hr·ft²	93.07	0.00
No. People	3.0	20.0/1000 ft²

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter gr/lb	Leave DB °F	Leave WB °F	Leave gr/lb
Main Clg	1.2	14.0	13.0	498	75.5	59.6	51.3	52.0	49.4	48.3
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.2	14.0								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	150		
Part	111		
Int Door	0		
ExFlr	0		
Roof	150	0	0
Wall	193	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	498	69.6	73.6
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	0.0			

Room Checksums

By Trial

OFICINA 2 NIVEL ESTACIONAMIENTO

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 6 / 16
Outside Air: OADB/WB/HR: 99 / 77 / 104

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	1,599	0	1,599	19
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	819		819	10
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	2,419	0	2,419	29
Internal Loads				
Lights	892	0	892	11
People	1,317	0	1,317	16
Misc	2,368	0	2,368	29
Sub Total ==>	4,577	0	4,577	56
Ceiling Load	0	0	0	0
Ventilation Load	0	0	927	11
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			312	4
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	6,996	0	8,235	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 16
OADB: 100

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	1,612	25
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	849	13
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	2,461	38
Internal Loads		
Lights	892	14
People	702	11
Misc	2,368	37
Sub Total ==>	3,962	62
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Grand Total ==>	6,423	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-235	-235	24.47
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-508	-508	52.82
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-743	-743	77.28
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		82	-8.50
RA Preheat Diff.		-300	31.21
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-743	-961	100.00

TEMPERATURES

	Cooling	Heating
SADB	53.1	72.5
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	76.4	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.2	0.0
Fn Frict	0.7	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	264	264
Terminal	264	264
Main Fan	264	264
Sec Fan	0	0
Nom Vent	15	0
AHU Vent	15	0
Infil	0	0
MinStop/Rh	0	0
Return	264	264
Exhaust	15	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	5.7	0.0
cfm/ft²	1.83	1.83
cfm/ton	384.13	
ft²/ton	209.69	
Btu/hr·ft²	57.23	0.00
No. People	3.0	20.8/1000 ft²

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	0.7	8.2	7.1	264	76.4	61.2	56.8	52.0	50.0	50.7
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.7	8.2								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	144		
Part	100		
Int Door	0		
ExFlr	0		
Roof	144	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	264	69.3	72.5
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	0.0			

Room Checksums

By Trial

SALA DE JUNTAS 1 NIVEL ESTACIONAMIENTO

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 6 / 16
Outside Air: OADB/WB/HR: 99 / 77 / 104

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	4,728	0	4,728	10
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	2,944		2,944	6
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	7,671	0	7,671	16
Internal Loads				
Lights	2,623	0	2,623	5
People	8,763	0	8,763	18
Misc	21,306	0	21,306	44
Sub Total ==>	32,692	0	32,692	68
Ceiling Load	0	0	0	0
Ventilation Load	0	0	6,105	13
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			1,771	4
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	40,363	0	48,239	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 16
OADB: 100

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	4,765	13
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	3,051	8
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	7,815	21
Internal Loads		
Lights	2,623	7
People	4,663	13
Misc	21,306	59
Sub Total ==>	28,592	79
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	36,407	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-696	-696	17.50
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-1,825	-1,825	45.90
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-2,521	-2,521	63.40
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		544	-13.69
RA Preheat Diff.		-2,000	50.29
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-2,521	-3,977	100.00

TEMPERATURES

	Cooling	Heating
SADB	53.1	71.5
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	76.6	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.2	0.0
Fn Frict	0.7	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	1,494	1,494
Terminal	1,494	1,494
Main Fan	1,494	1,494
Sec Fan	0	0
Nom Vent	100	0
AHU Vent	100	0
Infil	0	0
MinStop/Rh	0	0
Return	1,494	1,494
Exhaust	100	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	6.7	0.0
cfm/ft²	3.51	3.51
cfm/ton	371.69	
ft²/ton	105.93	
Btu/hr·ft²	113.28	0.00
No. People	20.0	47.0/1000 ft²

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	4.0	48.2	40.7	1,494	76.6	61.6	58.2	52.0	50.1	51.1
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	4.0	48.2								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	426		
Part	359		
Int Door	0		
ExFlr	0		
Roof	426	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	1,494	69.1	71.5
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	0.0			

Room Checksums

By Trial

SE PLANTA BAJA

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 6 / 15
Outside Air: OADB/WB/HR: 99 / 77 / 103

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	10,039	0	10,039	19
Glass Solar	6,862	0	6,862	13
Glass/Door Cond	3,477	0	3,477	6
Wall Cond	852	0	852	2
Partition/Door	1,847		1,847	3
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	23,077	0	23,077	43
Internal Loads				
Lights	4,216	1,054	5,270	10
People	10,955	0	10,955	20
Misc	6,961	0	6,961	13
Sub Total ==>	22,131	1,054	23,185	43
Ceiling Load	0	0	0	0
Ventilation Load	0	0	6,694	12
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-73	-73	0
Sup. Fan Heat			1,069	2
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	45,208	981	53,952	100.00

CLG SPACE PEAK

Mo/Hr: 6 / 15
OADB: 99

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	10,039	25
Glass Solar	6,862	17
Glass/Door Cond	3,477	9
Wall Cond	852	2
Partition/Door	1,847	5
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	23,077	58
Internal Loads		
Lights	4,216	11
People	5,830	15
Misc	6,961	17
Sub Total ==>	17,006	42
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing		
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	40,083	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-1,396	-1,396	20.27
Glass Solar	0	0	0.00
Glass/Door Cond	-2,171	-2,171	31.52
Wall Cond	-288	-288	4.18
Partition/Door	-1,213	-1,213	17.61
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-5,068	-5,068	73.59
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		338	-4.90
RA Preheat Diff.		-2,157	31.32
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-5,069	-6,888	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	72.5
Ra Plenum	75.0	70.0
Return	75.5	70.0
Ret/OA	77.2	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Frict	0.4	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	1,804	1,804
Terminal	1,804	1,804
Main Fan	1,804	1,804
Sec Fan	0	0
Nom Vent	125	0
AHU Vent	125	0
Infil	0	0
MinStop/Rh	0	0
Return	1,804	1,804
Exhaust	125	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	6.9	0.0
cfm/ft²	2.11	2.11
cfm/ton	401.27	
ft²/ton	190.05	
Btu/hr·ft²	63.14	0.00
No. People	25.0	29.3/1000 ft²

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	4.5	54.0	45.5	1,804	77.2	63.8	67.8	54.5	53.8	61.1
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	4.5	54.0								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	854		
Part	239		
Int Door	0		
ExFlr	0		
Roof	854	0	0
Wall	236	189	80
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	1,804	69.1	72.5
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	0.0			

Room Checksums

By Trial

SJ-01 PLANTA BAJA

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 6 / 16
Outside Air: OADB/WB/HR: 99 / 77 / 104

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	1,555	0	1,555	6
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	1,925		1,925	7
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	3,480	0	3,480	13
Internal Loads				
Lights	854	0	854	3
People	5,236	0	5,236	20
Misc	12,579	0	12,579	49
Sub Total ==>	18,669	0	18,669	72
Ceiling Load	0	0	0	0
Ventilation Load	0	0	3,233	12
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			527	2
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	22,148	0	25,909	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 16
OADB: 100

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	1,567	8
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	1,995	10
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	3,561	18
Internal Loads		
Lights	854	4
People	2,776	14
Misc	12,579	64
Sub Total ==>	16,209	82
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	19,770	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-230	-230	10.02
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-1,198	-1,198	52.04
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-1,428	-1,428	62.06
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		162	-7.05
RA Preheat Diff.		-1,035	44.99
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-1,428	-2,301	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	71.4
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	76.6	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Frict	0.4	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	890	890
Terminal	890	890
Main Fan	890	890
Sec Fan	0	0
Nom Vent	60	0
AHU Vent	60	0
Infil	0	0
MinStop/Rh	0	0
Return	890	890
Exhaust	60	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	6.7	0.0
cfm/ft²	6.31	6.31
cfm/ton	412.14	
ft²/ton	65.33	
Btu/hr·ft²	183.68	0.00
No. People	12.0	85.1/1000 ft²

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	2.2	25.9	21.8	890	76.6	63.7	67.8	54.5	53.9	61.4
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	2.2	25.9								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	141		
Part	236		
Int Door	0		
ExFlr	0		
Roof	141	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	890	69.1	71.4
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	0.0			

Room Checksums

By Trial

SJ-02 PLANTA BAJA

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 6 / 16
Outside Air: OADB/WB/HR: 99 / 77 / 104

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	1,555	0	1,555	5
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	1,925		1,925	6
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	3,480	0	3,480	12
Internal Loads				
Lights	854	0	854	3
People	6,109	0	6,109	21
Misc	14,853	0	14,853	50
Sub Total ==>	21,816	0	21,816	74
Ceiling Load	0	0	0	0
Ventilation Load	0	0	3,772	13
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			601	2
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	25,296	0	29,668	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 17
OADB: 98

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	1,376	6
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	2,034	9
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	3,409	15
Internal Loads		
Lights	872	4
People	3,270	15
Misc	14,974	66
Sub Total ==>	19,115	85
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	22,524	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-230	-230	9.42
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-1,198	-1,198	48.95
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-1,428	-1,428	58.37
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		189	-7.73
RA Preheat Diff.		-1,208	49.36
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-1,428	-2,447	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	71.3
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	76.6	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Frict	0.4	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	1,014	1,014
Terminal	1,014	1,014
Main Fan	1,014	1,014
Sec Fan	0	0
Nom Vent	70	0
AHU Vent	70	0
Infil	0	0
MinStop/Rh	0	0
Return	1,014	1,014
Exhaust	70	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	6.9	0.0
cfm/ft²	7.19	7.19
cfm/ton	410.05	
ft²/ton	57.05	
Btu/hr·ft²	210.34	0.00
No. People	14.0	99.3/1000 ft²

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter gr/lb	Leave DB °F	Leave WB °F	Leave gr/lb
Main Clg	2.5	29.7	24.9	1,014	76.6	63.7	67.9	54.5	53.9	61.3
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	2.5	29.7								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	141		
Part	236		
Int Door	0		
ExFlr	0		
Roof	141	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	1,014	69.1	71.3
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	0.0			

Room Checksums

By Trial

SJ-03 PLANTA BAJA

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 6 / 16
Outside Air: OADB/WB/HR: 99 / 77 / 104

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	1,566	0	1,566	20
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	943		943	12
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	2,509	0	2,509	32
Internal Loads				
Lights	869	0	869	11
People	1,753	0	1,753	23
Misc	1,376	0	1,376	18
Sub Total ==>	3,997	0	3,997	52
Ceiling Load	0	0	0	0
Ventilation Load	0	0	1,078	14
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			153	2
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	6,506	0	7,736	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 16
OADB: 100

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	1,578	28
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	977	17
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	2,555	45
Internal Loads		
Lights	869	15
People	933	16
Misc	1,376	24
Sub Total ==>	3,177	55
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Grand Total ==>	5,732	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-230	-230	20.84
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-584	-584	52.84
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-815	-815	73.68
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		54	-4.89
RA Preheat Diff.		-345	31.20
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-815	-1,106	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	72.8
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	76.8	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Frict	0.4	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	258	258
Terminal	258	258
Main Fan	258	258
Sec Fan	0	0
Nom Vent	20	0
AHU Vent	20	0
Infil	0	0
MinStop/Rh	0	0
Return	258	258
Exhaust	20	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	7.8	0.0
cfm/ft²	1.83	1.83
cfm/ton	400.20	
ft²/ton	218.79	
Btu/hr·ft²	54.85	0.00
No. People	4.0	28.4/1000 ft²

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	0.6	7.7	6.4	258	76.8	63.8	68.2	54.5	53.8	60.9
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.6	7.7								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	141		
Part	115		
Int Door	0		
ExFlr	0		
Roof	141	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	258	69.0	72.8
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	0.0			

Room Checksums

By Trial

SJ-04 PLANTA BAJA

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 6 / 16
Outside Air: OADB/WB/HR: 99 / 77 / 104

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	1,566	0	1,566	20
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	943		943	12
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	2,509	0	2,509	32
Internal Loads				
Lights	869	0	869	11
People	1,753	0	1,753	23
Misc	1,376	0	1,376	18
Sub Total ==>	3,997	0	3,997	52
Ceiling Load	0	0	0	0
Ventilation Load	0	0	1,078	14
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			153	2
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
***Grand Total* ==>**	6,506	0	7,736	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 16
OADB: 100

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	1,578	28
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	977	17
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	2,555	45
Internal Loads		
Lights	869	15
People	933	16
Misc	1,376	24
Sub Total ==>	3,177	55
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
***Grand Total* ==>**	5,732	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-230	-230	20.84
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-584	-584	52.84
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-815	-815	73.68
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		54	-4.89
RA Preheat Diff.		-345	31.20
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
***Grand Total* ==>**	-815	-1,106	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	72.8
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	76.8	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Frict	0.4	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	258	258
Terminal	258	258
Main Fan	258	258
Sec Fan	0	0
Nom Vent	20	0
AHU Vent	20	0
Infil	0	0
MinStop/Rh	0	0
Return	258	258
Exhaust	20	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	7.8	0.0
cfm/ft²	1.83	1.83
cfm/ton	400.20	
ft²/ton	218.79	
Btu/hr·ft²	54.85	0.00
No. People	4.0	28.4/1000 ft²

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	0.6	7.7	6.4	258	76.8	63.8	68.2	54.5	53.8	60.9
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.6	7.7								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	141		
Part	115		
Int Door	0		
ExFlr	0		
Roof	141	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	258	69.0	72.8
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	0.0			

Room Checksums

By Trial

SJ-05 PLANTA BAJA

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 6 / 16
Outside Air: OADB/WB/HR: 99 / 77 / 104

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	1,555	0	1,555	6
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	1,925		1,925	7
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	3,480	0	3,480	13
Internal Loads				
Lights	854	0	854	3
People	5,236	0	5,236	20
Misc	12,579	0	12,579	49
Sub Total ==>	18,669	0	18,669	72
Ceiling Load	0	0	0	0
Ventilation Load	0	0	3,233	12
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			527	2
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	22,148	0	25,909	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 16
OADB: 100

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	1,567	8
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	1,995	10
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	3,561	18
Internal Loads		
Lights	854	4
People	2,776	14
Misc	12,579	64
Sub Total ==>	16,209	82
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	19,770	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-230	-230	10.02
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-1,198	-1,198	52.04
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-1,428	-1,428	62.06
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		162	-7.05
RA Preheat Diff.		-1,035	44.99
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-1,428	-2,301	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	71.4
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	76.6	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Frict	0.4	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	890	890
Terminal	890	890
Main Fan	890	890
Sec Fan	0	0
Nom Vent	60	0
AHU Vent	60	0
Infil	0	0
MinStop/Rh	0	0
Return	890	890
Exhaust	60	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	6.7	0.0
cfm/ft²	6.31	6.31
cfm/ton	412.14	
ft²/ton	65.33	
Btu/hr·ft²	183.68	0.00
No. People	12.0	85.1/1000 ft²

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter gr/lb	Leave DB °F	Leave WB °F	Leave gr/lb
Main Clg	2.2	25.9	21.8	890	76.6	63.7	67.8	54.5	53.9	61.4
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	2.2	25.9								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	141		
Part	236		
Int Door	0		
ExFlr	0		
Roof	141	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	890	69.1	71.4
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	0.0			

Room Checksums

By Trial

SL PLANTA BAJA

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 1 / 17
Outside Air: OADB/WB/HR: 90 / 71 / 87

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	888	0	888	7
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	6,587	0	6,587	53
Partition/Door	1,952		1,952	16
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	9,427	0	9,427	75
Internal Loads				
Lights	797	0	797	6
People	1,291	0	1,291	10
Misc	222	0	222	2
Sub Total ==>	2,310	0	2,310	18
Ceiling Load	0	0	0	0
Ventilation Load	0	0	471	4
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			297	2
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	11,737	0	12,505	100.00

CLG SPACE PEAK

Mo/Hr: 1 / 17
OADB: 90

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	888	8
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	6,587	59
Partition/Door	1,952	18
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	9,427	85
Internal Loads		
Lights	797	7
People	676	6
Misc	222	2
Sub Total ==>	1,695	15
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Grand Total ==>	11,122	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-228	-228	6.54
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	-1,180	-1,180	33.78
Partition/Door	-1,866	-1,866	53.43
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-3,274	-3,274	93.75
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		41	-1.16
RA Preheat Diff.		-259	7.41
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-3,274	-3,492	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	75.9
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	75.4	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Frict	0.4	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	501	501
Terminal	501	501
Main Fan	501	501
Sec Fan	0	0
Nom Vent	15	0
AHU Vent	15	0
Infil	0	0
MinStop/Rh	0	0
Return	501	501
Exhaust	15	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	3.0	0.0
cfm/ft²	3.58	3.58
cfm/ton	480.41	
ft²/ton	134.03	
Btu/hr·ft²	89.53	0.00
No. People	3.0	21.5/1000 ft²

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter gr/lb	Leave DB °F	Leave WB °F	Leave gr/lb
Main Clg	1.0	12.5	11.7	501	75.4	62.8	65.8	54.5	54.4	63.4
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.0	12.5								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	140		
Part	367		
Int Door	0		
ExFlr	0		
Roof	140	0	0
Wall	193	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	501	69.6	75.9
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	0.0			

Room Checksums

By Trial

UM PLANTA BAJA

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 6 / 16
Outside Air: OADB/WB/HR: 99 / 77 / 104

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	4,669	0	4,669	12
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	3,874		3,874	10
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	8,544	0	8,544	22
Internal Loads				
Lights	2,581	0	2,581	6
People	13,124	0	13,124	33
Misc	6,725	0	6,725	17
Sub Total ==>	22,430	0	22,430	56
Ceiling Load	0	0	0	0
Ventilation Load	0	0	8,077	20
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			670	2
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	30,973	0	39,721	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 16
OADB: 100

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	4,706	19
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	4,015	16
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	8,720	35
Internal Loads		
Lights	2,581	10
People	6,974	28
Misc	6,725	27
Sub Total ==>	16,280	65
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Grand Total ==>	25,000	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-689	-689	13.06
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-2,405	-2,405	45.58
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-3,094	-3,094	58.64
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		389	-7.37
RA Preheat Diff.		-2,572	48.73
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-3,094	-5,277	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.1	72.5
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	78.2	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Frict	0.4	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	1,131	1,131
Terminal	1,131	1,131
Main Fan	1,131	1,131
Sec Fan	0	0
Nom Vent	150	0
AHU Vent	150	0
Infil	0	0
MinStop/Rh	0	0
Return	1,131	1,131
Exhaust	150	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	13.3	0.0
cfm/ft²	2.68	2.68
cfm/ton	341.64	
ft²/ton	127.38	
Btu/hr·ft²	94.20	0.00
No. People	30.0	71.1/1000 ft²

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	3.3	39.7	29.5	1,131	78.2	64.7	70.4	54.6	53.0	57.8
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	3.3	39.7								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	422		
Part	473		
Int Door	0		
ExFlr	0		
Roof	422	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	1,131	68.3	72.5
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	0.0			

Room Checksums

By Trial

VU PLANTA BAJA

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 16
Outside Air: OADB/WB/HR: 100 / 76 / 99

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	1,943	0	1,943	23
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	1,490		1,490	18
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	3,433	0	3,433	40
Internal Loads				
Lights	1,068	0	1,068	13
People	876	0	876	10
Misc	2,408	0	2,408	28
Sub Total ==>	4,351	0	4,351	51
Ceiling Load	0	0	0	0
Ventilation Load	0	0	509	6
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		0	0	0
Sup. Fan Heat			197	2
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	7,784	0	8,490	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 16
OADB: 100

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	1,943	26
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	1,490	20
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	3,433	47
Internal Loads		
Lights	1,068	14
People	466	6
Misc	2,408	33
Sub Total ==>	3,941	53
Ceiling Load	0	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	7,374	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 57

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	-284	-284	21.50
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-892	-892	67.49
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-1,176	-1,176	88.99
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	0	0	0.00
Ventilation Load	0	0	0.00
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		0	0.00
OA Preheat Diff.		27	-2.04
RA Preheat Diff.		-173	13.06
Additional Reheat		0	0.00
System Plenum Heat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-1,176	-1,322	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	73.2
Ra Plenum	75.0	70.0
Return	75.0	70.0
Ret/OA	75.8	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Frict	0.4	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	332	332
Terminal	332	332
Main Fan	332	332
Sec Fan	0	0
Nom Vent	10	0
AHU Vent	10	0
Infil	0	0
MinStop/Rh	0	0
Return	332	332
Exhaust	10	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	3.0	0.0
cfm/ft²	1.91	1.91
cfm/ton	469.12	
ft²/ton	245.77	
Btu/hr·ft²	48.83	0.00
No. People	2.0	11.5/1000 ft²

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	0.7	8.5	7.9	332	75.8	63.0	66.2	54.5	54.4	63.4
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.7	8.5								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	174		
Part	176		
Int Door	0		
ExFlr	0		
Roof	174	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	332	69.6	73.2
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	0.0			

Design Cooling Load Summary

By Trial
CECIS UNIDAD MERIDA
MERIDA, YUCATAN

System - UGAR DELEGACION MERIDA

Zone - CC PLANTA BAJA

Coil Location - Zone

Coil Peak Calculation Time: May, hour 16
Ambient DB/WB/HR: 100 / 76 / 99

COOLING COIL LOAD INFORMATION

Load Component	Sensible Btu/h	Latent Btu/h	Total Btu/h	Percent of Total
Solar Gain	0		0	0.0%
Glass Transmission	0		0	0.0%
Wall Transmission	0		0	0.0%
Roof Transmission	1,567		1,567	20.7%
Floor Transmission	0		0	0.0%
Adj Floor Transmission	0		0.00	0.0%
Partition Transmission	1,995		1,995	26.4%
Net Ceiling Load	0		0	0.0%
Lighting	854		854	11.3%
People	925	820	1,745	23.1%
Misc. Equipment Loads	229	0	229	3.0%
Cooling Infiltration	0	0	0	0.0%
Sub-Total ==>	5,570	820	6,390	84.6%
Ventilation Load	551	467	1,019	13.5%
Exhaust Heat	0	0	0	0.0%
Supply Fan Load	149		149	2.0%
Return Fan Load	0		0	0.0%
Net Duct Heat Pickup	0		0	0.0%
Wall Load to Plenum	0		0	0.0%
Roof Load to Plenum	0		0	0.0%
Adj Floor to Plenum	0		0	0.0%
Lighting Load to Plenum	0		0	0.0%
Misc. Equip. Load to Plenum	0	0	0	0.0%
Glass Transmission to Plenum	0		0	0.0%
Glass Solar to Plenum	0		0	0.0%
Over/Under Sizing	0		0	0.0%
Reheat at Design	0	0	0	0.0%
Underfloor Sup Heat Pickup	0		0	0.0%
Supply Air Leakage	0	0	0	0.0%
Total Cooling Loads	6,270	1,287	7,557	100.0 %

COOLING COIL SELECTION

Coil Selection Parameters

Coil Entering Air (DB / WB)	77.0 / 63.8	°F
Coil Entering Humidity Ratio	67.84	gr/lb
Coil Leaving Air (DB / WB)	54.5 / 53.7	°F
Coil Leaving Humidity Ratio	60.53	gr/lb
Coil Sensible Load	6.27	MBh
Coil Total Load	7.56	MBh
Cooling Supply Air Temperature	55.00	°F
Total Cooling Airflow	250.70	cfm
Resulting Room Relative Humidity	50.00	%

General Engineering Checks

Total Cooling Load	0.6	ton
Area / Load	223.98	ft²/ton
Total Floor Area	141	ft²
Cooling Airflow	1.78	cfm/ft²
Airflow / Load	398.09	cfm/ton
Percent Outdoor Air	8.0	%
Cooling Load Methodology	CLTD-CLF (ASHRAE TFM)	

Design Cooling Load Summary

By Trial
CECIS UNIDAD MERIDA
MERIDA, YUCATAN

System - UGAR DELEGACION MERIDA

Zone - CO PLANTA BAJA

Coil Location - Zone

Coil Peak Calculation Time: June, hour 16
Ambient DB/WB/HR: 99 / 77 / 104

COOLING COIL LOAD INFORMATION

Load Component	Sensible Btu/h	Latent Btu/h	Total Btu/h	Percent of Total
Solar Gain	0		0	0.0%
Glass Transmission	0		0	0.0%
Wall Transmission	0		0	0.0%
Roof Transmission	8,555		8,555	16.4%
Floor Transmission	0		0	0.0%
Adj Floor Transmission	0		0.00	0.0%
Partition Transmission	7,389		7,389	14.2%
Net Ceiling Load	0		0	0.0%
Lighting	4,729		4,729	9.1%
People	5,812	5,125	10,937	21.0%
Misc. Equipment Loads	12,682	0	12,682	24.4%
Cooling Infiltration	0	0	0	0.0%
Sub-Total ==>	39,166	5,125	44,291	85.0%
Ventilation Load	3,305	3,430	6,735	12.9%
Exhaust Heat	0	0	0	0.0%
Supply Fan Load	1,054		1,054	2.0%
Return Fan Load	0		0	0.0%
Net Duct Heat Pickup	0		0	0.0%
Wall Load to Plenum	0		0	0.0%
Roof Load to Plenum	0		0	0.0%
Adj Floor to Plenum	0		0	0.0%
Lighting Load to Plenum	0		0	0.0%
Misc. Equip. Load to Plenum	0	0	0	0.0%
Glass Transmission to Plenum	0		0	0.0%
Glass Solar to Plenum	0		0	0.0%
Over/Under Sizing	0		0	0.0%
Reheat at Design	0	0	0	0.0%
Underfloor Sup Heat Pickup	0		0	0.0%
Supply Air Leakage	0	0	0	0.0%
Total Cooling Loads	43,525	8,555	52,080	100.0 %

COOLING COIL SELECTION

Coil Selection Parameters

Coil Entering Air (DB / WB)	76.7 / 63.7	°F
Coil Entering Humidity Ratio	67.93	gr/lb
Coil Leaving Air (DB / WB)	54.5 / 53.9	°F
Coil Leaving Humidity Ratio	61.35	gr/lb
Coil Sensible Load	43.53	MBh
Coil Total Load	52.08	MBh
Cooling Supply Air Temperature	55.00	°F
Total Cooling Airflow	1,777.90	cfm
Resulting Room Relative Humidity	50.00	%

General Engineering Checks

Total Cooling Load	4.3	ton
Area / Load	178.01	ft²/ton
Total Floor Area	773	ft²
Cooling Airflow	2.30	cfm/ft²
Airflow / Load	409.65	cfm/ton
Percent Outdoor Air	7.0	%
Cooling Load Methodology	CLTD-CLF (ASHRAE TFM)	

Design Cooling Load Summary

By Trial
CECIS UNIDAD MERIDA
MERIDA, YUCATAN

System - UGAR DELEGACION MERIDA

Zone - DE PLANTA BAJA

Coil Location - Zone

Coil Peak Calculation Time: September, hour 16
Ambient DB/WB/HR: 96 / 77 / 111

COOLING COIL LOAD INFORMATION

Load Component	Sensible Btu/h	Latent Btu/h	Total Btu/h	Percent of Total
Solar Gain	0		0	0.0%
Glass Transmission	0		0	0.0%
Wall Transmission	4,718		4,718	25.6%
Roof Transmission	3,206		3,206	17.4%
Floor Transmission	0		0	0.0%
Adj Floor Transmission	0		0.00	0.0%
Partition Transmission	3,347		3,347	18.2%
Net Ceiling Load	0		0	0.0%
Lighting	1,947		1,947	10.6%
People	688	615	1,303	7.1%
Misc. Equipment Loads	2,625	0	2,625	14.3%
Cooling Infiltration	0	0	0	0.0%
Sub-Total ==>	16,532	615	17,147	93.1%
Ventilation Load	343	480	824	4.5%
Exhaust Heat	0	0	0	0.0%
Supply Fan Load	447		447	2.4%
Return Fan Load	0		0	0.0%
Net Duct Heat Pickup	0		0	0.0%
Wall Load to Plenum	0		0	0.0%
Roof Load to Plenum	0		0	0.0%
Adj Floor to Plenum	0		0	0.0%
Lighting Load to Plenum	0		0	0.0%
Misc. Equip. Load to Plenum	0	0	0	0.0%
Glass Transmission to Plenum	0		0	0.0%
Glass Solar to Plenum	0		0	0.0%
Over/Under Sizing	0		0	0.0%
Reheat at Design	0	0	0	0.0%
Underfloor Sup Heat Pickup	0		0	0.0%
Supply Air Leakage	0	0	0	0.0%
Total Cooling Loads	17,321	1,095	18,417	100.0 %

COOLING COIL SELECTION

Coil Selection Parameters

Coil Entering Air (DB / WB)	75.4 / 62.9	°F
Coil Entering Humidity Ratio	66.08	gr/lb
Coil Leaving Air (DB / WB)	54.5 / 54.4	°F
Coil Leaving Humidity Ratio	63.48	gr/lb
Coil Sensible Load	17.32	MBh
Coil Total Load	18.42	MBh
Cooling Supply Air Temperature	55.00	°F
Total Cooling Airflow	753.92	cfm
Resulting Room Relative Humidity	50.00	%

General Engineering Checks

Total Cooling Load	1.5	ton
Area / Load	213.64	ft²/ton
Total Floor Area	328	ft²
Cooling Airflow	2.30	cfm/ft²
Airflow / Load	491.24	cfm/ton
Percent Outdoor Air	2.0	%
Cooling Load Methodology	CLTD-CLF (ASHRAE TFM)	

Design Cooling Load Summary

By Trial
CECIS UNIDAD MERIDA
MERIDA, YUCATAN

System - UGAR DELEGACION MERIDA

Zone - ET PLANTA BAJA

Coil Location - Zone

Coil Peak Calculation Time: May, hour 15
Ambient DB/WB/HR: 101 / 76 / 98

COOLING COIL LOAD INFORMATION

Load Component	Sensible Btu/h	Latent Btu/h	Total Btu/h	Percent of Total
Solar Gain	6,143		6,143	2.0%
Glass Transmission	3,582		3,582	1.2%
Wall Transmission	788		788	0.3%
Roof Transmission	89,223		89,223	29.2%
Floor Transmission	0		0	0.0%
Adj Floor Transmission	0		0.00	0.0%
Partition Transmission	20,247		20,247	6.6%
Net Ceiling Load	0		0	0.0%
Lighting	37,194		37,194	12.2%
People	16,370	14,350	30,720	10.0%
Misc. Equipment Loads	84,119	0	84,119	27.5%
Cooling Infiltration	0	0	0	0.0%
Sub-Total ==>	257,666	14,350	272,016	89.0%
Ventilation Load	9,915	7,947	17,862	5.8%
Exhaust Heat	-281	0	-281	-0.1%
Supply Fan Load	6,873		6,873	2.2%
Return Fan Load	0		0	0.0%
Net Duct Heat Pickup	0		0	0.0%
Wall Load to Plenum	0		0	0.0%
Roof Load to Plenum	0		0	0.0%
Adj Floor to Plenum	0		0	0.0%
Lighting Load to Plenum	9,298		9,298	3.0%
Misc. Equip. Load to Plenum	0	0	0	0.0%
Glass Transmission to Plenum	0		0	0.0%
Glass Solar to Plenum	0		0	0.0%
Over/Under Sizing	0		0	0.0%
Reheat at Design	0	0	0	0.0%
Underfloor Sup Heat Pickup	0		0	0.0%
Supply Air Leakage	0	0	0	0.0%
Total Cooling Loads	283,472	22,297	305,769	100.0 %

COOLING COIL SELECTION

Coil Selection Parameters

Coil Entering Air (DB / WB)	76.5 / 63.3	°F
Coil Entering Humidity Ratio	66.15	gr/lb
Coil Leaving Air (DB / WB)	54.5 / 54.4	°F
Coil Leaving Humidity Ratio	63.39	gr/lb
Coil Sensible Load	283.47	MBh
Coil Total Load	305.77	MBh
Cooling Supply Air Temperature	55.00	°F
Total Cooling Airflow	11,597.31	cfm
Resulting Room Relative Humidity	50.00	%

General Engineering Checks

Total Cooling Load	25.5	ton
Area / Load	294.04	ft²/ton
Total Floor Area	7,492	ft²
Cooling Airflow	1.55	cfm/ft²
Airflow / Load	455.14	cfm/ton
Percent Outdoor Air	3.0	%
Cooling Load Methodology	CLTD-CLF (ASHRAE TFM)	

Design Cooling Load Summary

By Trial
CECIS UNIDAD MERIDA
MERIDA, YUCATAN

System - UGAR DELEGACION MERIDA

Zone - OFC-01 PLANTA BAJA

Coil Location - Zone

Coil Peak Calculation Time: January, hour 17
Ambient DB/WB/HR: 90 / 71 / 87

COOLING COIL LOAD INFORMATION

Load Component	Sensible Btu/h	Latent Btu/h	Total Btu/h	Percent of Total
Solar Gain	0		0	0.0%
Glass Transmission	0		0	0.0%
Wall Transmission	6,592		6,592	46.0%
Roof Transmission	902		902	6.3%
Floor Transmission	0		0	0.0%
Adj Floor Transmission	0		0.00	0.0%
Partition Transmission	1,613		1,613	11.3%
Net Ceiling Load	0		0	0.0%
Lighting	813		813	5.7%
People	679	615	1,294	9.0%
Misc. Equipment Loads	2,299	0	2,299	16.0%
Cooling Infiltration	0	0	0	0.0%
Sub-Total ==>	12,898	615	13,513	94.3%
Ventilation Load	247	224	471	3.3%
Exhaust Heat	0	0	0	0.0%
Supply Fan Load	344		344	2.4%
Return Fan Load	0		0	0.0%
Net Duct Heat Pickup	0		0	0.0%
Wall Load to Plenum	0		0	0.0%
Roof Load to Plenum	0		0	0.0%
Adj Floor to Plenum	0		0	0.0%
Lighting Load to Plenum	0		0	0.0%
Misc. Equip. Load to Plenum	0	0	0	0.0%
Glass Transmission to Plenum	0		0	0.0%
Glass Solar to Plenum	0		0	0.0%
Over/Under Sizing	0		0	0.0%
Reheat at Design	0	0	0	0.0%
Underfloor Sup Heat Pickup	0		0	0.0%
Supply Air Leakage	0	0	0	0.0%
Total Cooling Loads	13,489	839	14,328	100.0 %

COOLING COIL SELECTION

Coil Selection Parameters

Coil Entering Air (DB / WB)	75.4 / 62.8	°F
Coil Entering Humidity Ratio	65.72	gr/lb
Coil Leaving Air (DB / WB)	54.5 / 54.4	°F
Coil Leaving Humidity Ratio	63.48	gr/lb
Coil Sensible Load	13.49	MBh
Coil Total Load	14.33	MBh
Cooling Supply Air Temperature	55.00	°F
Total Cooling Airflow	580.53	cfm
Resulting Room Relative Humidity	50.00	%

General Engineering Checks

Total Cooling Load	1.2	ton
Area / Load	118.14	ft²/ton
Total Floor Area	141	ft²
Cooling Airflow	4.12	cfm/ft²
Airflow / Load	486.22	cfm/ton
Percent Outdoor Air	2.6	%
Cooling Load Methodology	CLTD-CLF (ASHRAE TFM)	

Design Cooling Load Summary

By Trial
CECIS UNIDAD MERIDA
MERIDA, YUCATAN

System - UGAR DELEGACION MERIDA

Zone - OFC-02 PLANTA BAJA

Coil Location - Zone

Coil Peak Calculation Time: January, hour 17
Ambient DB/WB/HR: 90 / 71 / 87

COOLING COIL LOAD INFORMATION

Load Component	Sensible Btu/h	Latent Btu/h	Total Btu/h	Percent of Total
Solar Gain	0		0	0.0%
Glass Transmission	0		0	0.0%
Wall Transmission	6,618		6,618	49.3%
Roof Transmission	917		917	6.8%
Floor Transmission	0		0	0.0%
Adj Floor Transmission	0		0.00	0.0%
Partition Transmission	614		614	4.6%
Net Ceiling Load	0		0	0.0%
Lighting	841		841	6.3%
People	689	615	1,304	9.7%
Misc. Equipment Loads	2,326	0	2,326	17.3%
Cooling Infiltration	0	0	0	0.0%
Sub-Total ==>	12,005	615	12,620	94.1%
Ventilation Load	247	224	471	3.5%
Exhaust Heat	0	0	0	0.0%
Supply Fan Load	320		320	2.4%
Return Fan Load	0		0	0.0%
Net Duct Heat Pickup	0		0	0.0%
Wall Load to Plenum	0		0	0.0%
Roof Load to Plenum	0		0	0.0%
Adj Floor to Plenum	0		0	0.0%
Lighting Load to Plenum	0		0	0.0%
Misc. Equip. Load to Plenum	0	0	0	0.0%
Glass Transmission to Plenum	0		0	0.0%
Glass Solar to Plenum	0		0	0.0%
Over/Under Sizing	0		0	0.0%
Reheat at Design	0	0	0	0.0%
Underfloor Sup Heat Pickup	0		0	0.0%
Supply Air Leakage	0	0	0	0.0%
Total Cooling Loads	12,572	839	13,411	100.0 %

COOLING COIL SELECTION

Coil Selection Parameters

Coil Entering Air (DB / WB)	75.4 / 62.8	°F
Coil Entering Humidity Ratio	65.76	gr/lb
Coil Leaving Air (DB / WB)	54.5 / 54.4	°F
Coil Leaving Humidity Ratio	63.48	gr/lb
Coil Sensible Load	12.57	MBh
Coil Total Load	13.41	MBh
Cooling Supply Air Temperature	55.00	°F
Total Cooling Airflow	540.33	cfm
Resulting Room Relative Humidity	50.00	%

General Engineering Checks

Total Cooling Load	1.1	ton
Area / Load	126.22	ft²/ton
Total Floor Area	141	ft²
Cooling Airflow	3.83	cfm/ft²
Airflow / Load	483.49	cfm/ton
Percent Outdoor Air	2.8	%
Cooling Load Methodology	CLTD-CLF (ASHRAE TFM)	

Design Cooling Load Summary

By Trial
CECIS UNIDAD MERIDA
MERIDA, YUCATAN

System - UGAR DELEGACION MERIDA

Zone - OFC-03 PLANTA BAJA

Coil Location - Zone

Coil Peak Calculation Time: January, hour 17
Ambient DB/WB/HR: 90 / 71 / 87

COOLING COIL LOAD INFORMATION

Load Component	Sensible Btu/h	Latent Btu/h	Total Btu/h	Percent of Total
Solar Gain	0		0	0.0%
Glass Transmission	0		0	0.0%
Wall Transmission	6,618		6,618	49.3%
Roof Transmission	917		917	6.8%
Floor Transmission	0		0	0.0%
Adj Floor Transmission	0		0.00	0.0%
Partition Transmission	614		614	4.6%
Net Ceiling Load	0		0	0.0%
Lighting	841		841	6.3%
People	689	615	1,304	9.7%
Misc. Equipment Loads	2,326	0	2,326	17.3%
Cooling Infiltration	0	0	0	0.0%
Sub-Total ==>	12,005	615	12,620	94.1%
Ventilation Load	247	224	471	3.5%
Exhaust Heat	0	0	0	0.0%
Supply Fan Load	320		320	2.4%
Return Fan Load	0		0	0.0%
Net Duct Heat Pickup	0		0	0.0%
Wall Load to Plenum	0		0	0.0%
Roof Load to Plenum	0		0	0.0%
Adj Floor to Plenum	0		0	0.0%
Lighting Load to Plenum	0		0	0.0%
Misc. Equip. Load to Plenum	0	0	0	0.0%
Glass Transmission to Plenum	0		0	0.0%
Glass Solar to Plenum	0		0	0.0%
Over/Under Sizing	0		0	0.0%
Reheat at Design	0	0	0	0.0%
Underfloor Sup Heat Pickup	0		0	0.0%
Supply Air Leakage	0	0	0	0.0%
Total Cooling Loads	12,572	839	13,411	100.0 %

COOLING COIL SELECTION

Coil Selection Parameters

Coil Entering Air (DB / WB)	75.4 / 62.8	°F
Coil Entering Humidity Ratio	65.76	gr/lb
Coil Leaving Air (DB / WB)	54.5 / 54.4	°F
Coil Leaving Humidity Ratio	63.48	gr/lb
Coil Sensible Load	12.57	MBh
Coil Total Load	13.41	MBh
Cooling Supply Air Temperature	55.00	°F
Total Cooling Airflow	540.33	cfm
Resulting Room Relative Humidity	50.00	%

General Engineering Checks

Total Cooling Load	1.1	ton
Area / Load	126.22	ft²/ton
Total Floor Area	141	ft²
Cooling Airflow	3.83	cfm/ft²
Airflow / Load	483.49	cfm/ton
Percent Outdoor Air	2.8	%
Cooling Load Methodology	CLTD-CLF (ASHRAE TFM)	

Design Cooling Load Summary

By Trial
CECIS UNIDAD MERIDA
MERIDA, YUCATAN

System - UGAR DELEGACION MERIDA

Zone - OFC-04 PLANTA BAJA

Coil Location - Zone

Coil Peak Calculation Time: January, hour 17
Ambient DB/WB/HR: 90 / 71 / 87

COOLING COIL LOAD INFORMATION

Load Component	Sensible Btu/h	Latent Btu/h	Total Btu/h	Percent of Total
Solar Gain	0		0	0.0%
Glass Transmission	0		0	0.0%
Wall Transmission	6,618		6,618	49.3%
Roof Transmission	917		917	6.8%
Floor Transmission	0		0	0.0%
Adj Floor Transmission	0		0.00	0.0%
Partition Transmission	614		614	4.6%
Net Ceiling Load	0		0	0.0%
Lighting	841		841	6.3%
People	689	615	1,304	9.7%
Misc. Equipment Loads	2,326	0	2,326	17.3%
Cooling Infiltration	0	0	0	0.0%
Sub-Total ==>	12,005	615	12,620	94.1%
Ventilation Load	247	224	471	3.5%
Exhaust Heat	0	0	0	0.0%
Supply Fan Load	320		320	2.4%
Return Fan Load	0		0	0.0%
Net Duct Heat Pickup	0		0	0.0%
Wall Load to Plenum	0		0	0.0%
Roof Load to Plenum	0		0	0.0%
Adj Floor to Plenum	0		0	0.0%
Lighting Load to Plenum	0		0	0.0%
Misc. Equip. Load to Plenum	0	0	0	0.0%
Glass Transmission to Plenum	0		0	0.0%
Glass Solar to Plenum	0		0	0.0%
Over/Under Sizing	0		0	0.0%
Reheat at Design	0	0	0	0.0%
Underfloor Sup Heat Pickup	0		0	0.0%
Supply Air Leakage	0	0	0	0.0%
Total Cooling Loads	12,572	839	13,411	100.0 %

COOLING COIL SELECTION

Coil Selection Parameters

Coil Entering Air (DB / WB)	75.4 / 62.8	°F
Coil Entering Humidity Ratio	65.76	gr/lb
Coil Leaving Air (DB / WB)	54.5 / 54.4	°F
Coil Leaving Humidity Ratio	63.48	gr/lb
Coil Sensible Load	12.57	MBh
Coil Total Load	13.41	MBh
Cooling Supply Air Temperature	55.00	°F
Total Cooling Airflow	540.33	cfm
Resulting Room Relative Humidity	50.00	%

General Engineering Checks

Total Cooling Load	1.1	ton
Area / Load	126.22	ft²/ton
Total Floor Area	141	ft²
Cooling Airflow	3.83	cfm/ft²
Airflow / Load	483.49	cfm/ton
Percent Outdoor Air	2.8	%
Cooling Load Methodology	CLTD-CLF (ASHRAE TFM)	

Design Cooling Load Summary

By Trial
CECIS UNIDAD MERIDA
MERIDA, YUCATAN

System - UGAR DELEGACION MERIDA

Zone - OFC-05 PLANTA BAJA

Coil Location - Zone

Coil Peak Calculation Time: January, hour 17
Ambient DB/WB/HR: 90 / 71 / 87

COOLING COIL LOAD INFORMATION

Load Component	Sensible Btu/h	Latent Btu/h	Total Btu/h	Percent of Total
Solar Gain	0		0	0.0%
Glass Transmission	0		0	0.0%
Wall Transmission	6,618		6,618	49.3%
Roof Transmission	917		917	6.8%
Floor Transmission	0		0	0.0%
Adj Floor Transmission	0		0.00	0.0%
Partition Transmission	614		614	4.6%
Net Ceiling Load	0		0	0.0%
Lighting	841		841	6.3%
People	689	615	1,304	9.7%
Misc. Equipment Loads	2,326	0	2,326	17.3%
Cooling Infiltration	0	0	0	0.0%
Sub-Total ==>	12,005	615	12,620	94.1%
Ventilation Load	247	224	471	3.5%
Exhaust Heat	0	0	0	0.0%
Supply Fan Load	320		320	2.4%
Return Fan Load	0		0	0.0%
Net Duct Heat Pickup	0		0	0.0%
Wall Load to Plenum	0		0	0.0%
Roof Load to Plenum	0		0	0.0%
Adj Floor to Plenum	0		0	0.0%
Lighting Load to Plenum	0		0	0.0%
Misc. Equip. Load to Plenum	0	0	0	0.0%
Glass Transmission to Plenum	0		0	0.0%
Glass Solar to Plenum	0		0	0.0%
Over/Under Sizing	0		0	0.0%
Reheat at Design	0	0	0	0.0%
Underfloor Sup Heat Pickup	0		0	0.0%
Supply Air Leakage	0	0	0	0.0%
Total Cooling Loads	12,572	839	13,411	100.0 %

COOLING COIL SELECTION

Coil Selection Parameters

Coil Entering Air (DB / WB)	75.4 / 62.8	°F
Coil Entering Humidity Ratio	65.76	gr/lb
Coil Leaving Air (DB / WB)	54.5 / 54.4	°F
Coil Leaving Humidity Ratio	63.48	gr/lb
Coil Sensible Load	12.57	MBh
Coil Total Load	13.41	MBh
Cooling Supply Air Temperature	55.00	°F
Total Cooling Airflow	540.33	cfm
Resulting Room Relative Humidity	50.00	%

General Engineering Checks

Total Cooling Load	1.1	ton
Area / Load	126.22	ft²/ton
Total Floor Area	141	ft²
Cooling Airflow	3.83	cfm/ft²
Airflow / Load	483.49	cfm/ton
Percent Outdoor Air	2.8	%
Cooling Load Methodology	CLTD-CLF (ASHRAE TFM)	

Design Cooling Load Summary

By Trial
CECIS UNIDAD MERIDA
MERIDA, YUCATAN

System - UGAR DELEGACION MERIDA

Zone - OFC-06 PLANTA BAJA

Coil Location - Zone

Coil Peak Calculation Time: January, hour 17
Ambient DB/WB/HR: 90 / 71 / 87

COOLING COIL LOAD INFORMATION

Load Component	Sensible Btu/h	Latent Btu/h	Total Btu/h	Percent of Total
Solar Gain	0		0	0.0%
Glass Transmission	0		0	0.0%
Wall Transmission	6,618		6,618	49.3%
Roof Transmission	917		917	6.8%
Floor Transmission	0		0	0.0%
Adj Floor Transmission	0		0.00	0.0%
Partition Transmission	614		614	4.6%
Net Ceiling Load	0		0	0.0%
Lighting	841		841	6.3%
People	689	615	1,304	9.7%
Misc. Equipment Loads	2,326	0	2,326	17.3%
Cooling Infiltration	0	0	0	0.0%
Sub-Total ==>	12,005	615	12,620	94.1%
Ventilation Load	247	224	471	3.5%
Exhaust Heat	0	0	0	0.0%
Supply Fan Load	320		320	2.4%
Return Fan Load	0		0	0.0%
Net Duct Heat Pickup	0		0	0.0%
Wall Load to Plenum	0		0	0.0%
Roof Load to Plenum	0		0	0.0%
Adj Floor to Plenum	0		0	0.0%
Lighting Load to Plenum	0		0	0.0%
Misc. Equip. Load to Plenum	0	0	0	0.0%
Glass Transmission to Plenum	0		0	0.0%
Glass Solar to Plenum	0		0	0.0%
Over/Under Sizing	0		0	0.0%
Reheat at Design	0	0	0	0.0%
Underfloor Sup Heat Pickup	0		0	0.0%
Supply Air Leakage	0	0	0	0.0%
Total Cooling Loads	12,572	839	13,411	100.0 %

COOLING COIL SELECTION

Coil Selection Parameters

Coil Entering Air (DB / WB)	75.4 / 62.8	°F
Coil Entering Humidity Ratio	65.76	gr/lb
Coil Leaving Air (DB / WB)	54.5 / 54.4	°F
Coil Leaving Humidity Ratio	63.48	gr/lb
Coil Sensible Load	12.57	MBh
Coil Total Load	13.41	MBh
Cooling Supply Air Temperature	55.00	°F
Total Cooling Airflow	540.33	cfm
Resulting Room Relative Humidity	50.00	%

General Engineering Checks

Total Cooling Load	1.1	ton
Area / Load	126.22	ft²/ton
Total Floor Area	141	ft²
Cooling Airflow	3.83	cfm/ft²
Airflow / Load	483.49	cfm/ton
Percent Outdoor Air	2.8	%
Cooling Load Methodology	CLTD-CLF (ASHRAE TFM)	

Design Cooling Load Summary

By Trial
CECIS UNIDAD MERIDA
MERIDA, YUCATAN

System - UGAR DELEGACION MERIDA

Zone - OFC-07 PLANTA BAJA

Coil Location - Zone

Coil Peak Calculation Time: January, hour 17
Ambient DB/WB/HR: 90 / 71 / 87

COOLING COIL LOAD INFORMATION

Load Component	Sensible Btu/h	Latent Btu/h	Total Btu/h	Percent of Total
Solar Gain	0		0	0.0%
Glass Transmission	0		0	0.0%
Wall Transmission	6,618		6,618	49.3%
Roof Transmission	917		917	6.8%
Floor Transmission	0		0	0.0%
Adj Floor Transmission	0		0.00	0.0%
Partition Transmission	614		614	4.6%
Net Ceiling Load	0		0	0.0%
Lighting	841		841	6.3%
People	689	615	1,304	9.7%
Misc. Equipment Loads	2,326	0	2,326	17.3%
Cooling Infiltration	0	0	0	0.0%
Sub-Total ==>	12,005	615	12,620	94.1%
Ventilation Load	247	224	471	3.5%
Exhaust Heat	0	0	0	0.0%
Supply Fan Load	320		320	2.4%
Return Fan Load	0		0	0.0%
Net Duct Heat Pickup	0		0	0.0%
Wall Load to Plenum	0		0	0.0%
Roof Load to Plenum	0		0	0.0%
Adj Floor to Plenum	0		0	0.0%
Lighting Load to Plenum	0		0	0.0%
Misc. Equip. Load to Plenum	0	0	0	0.0%
Glass Transmission to Plenum	0		0	0.0%
Glass Solar to Plenum	0		0	0.0%
Over/Under Sizing	0		0	0.0%
Reheat at Design	0	0	0	0.0%
Underfloor Sup Heat Pickup	0		0	0.0%
Supply Air Leakage	0	0	0	0.0%
Total Cooling Loads	12,572	839	13,411	100.0 %

COOLING COIL SELECTION

Coil Selection Parameters

Coil Entering Air (DB / WB)	75.4 / 62.8	°F
Coil Entering Humidity Ratio	65.76	gr/lb
Coil Leaving Air (DB / WB)	54.5 / 54.4	°F
Coil Leaving Humidity Ratio	63.48	gr/lb
Coil Sensible Load	12.57	MBh
Coil Total Load	13.41	MBh
Cooling Supply Air Temperature	55.00	°F
Total Cooling Airflow	540.33	cfm
Resulting Room Relative Humidity	50.00	%

General Engineering Checks

Total Cooling Load	1.1	ton
Area / Load	126.22	ft²/ton
Total Floor Area	141	ft²
Cooling Airflow	3.83	cfm/ft²
Airflow / Load	483.49	cfm/ton
Percent Outdoor Air	2.8	%
Cooling Load Methodology	CLTD-CLF (ASHRAE TFM)	

Design Cooling Load Summary

By Trial
CECIS UNIDAD MERIDA
MERIDA, YUCATAN

System - UGAR DELEGACION MERIDA

Zone - OFC-08 PLANTA BAJA

Coil Location - Zone

Coil Peak Calculation Time: January, hour 17
Ambient DB/WB/HR: 90 / 71 / 87

COOLING COIL LOAD INFORMATION

Load Component	Sensible Btu/h	Latent Btu/h	Total Btu/h	Percent of Total
Solar Gain	0		0	0.0%
Glass Transmission	0		0	0.0%
Wall Transmission	6,647		6,647	46.9%
Roof Transmission	1,234		1,234	8.7%
Floor Transmission	0		0	0.0%
Adj Floor Transmission	0		0.00	0.0%
Partition Transmission	617		617	4.4%
Net Ceiling Load	0		0	0.0%
Lighting	1,134		1,134	8.0%
People	694	615	1,309	9.2%
Misc. Equipment Loads	2,417	0	2,417	17.1%
Cooling Infiltration	0	0	0	0.0%
Sub-Total ==>	12,744	615	13,359	94.3%
Ventilation Load	247	224	471	3.3%
Exhaust Heat	0	0	0	0.0%
Supply Fan Load	340		340	2.4%
Return Fan Load	0		0	0.0%
Net Duct Heat Pickup	0		0	0.0%
Wall Load to Plenum	0		0	0.0%
Roof Load to Plenum	0		0	0.0%
Adj Floor to Plenum	0		0	0.0%
Lighting Load to Plenum	0		0	0.0%
Misc. Equip. Load to Plenum	0	0	0	0.0%
Glass Transmission to Plenum	0		0	0.0%
Glass Solar to Plenum	0		0	0.0%
Over/Under Sizing	0		0	0.0%
Reheat at Design	0	0	0	0.0%
Underfloor Sup Heat Pickup	0		0	0.0%
Supply Air Leakage	0	0	0	0.0%
Total Cooling Loads	13,331	839	14,170	100.0 %

COOLING COIL SELECTION

Coil Selection Parameters

Coil Entering Air (DB / WB)	75.4 / 62.8	°F
Coil Entering Humidity Ratio	65.73	gr/lb
Coil Leaving Air (DB / WB)	54.5 / 54.4	°F
Coil Leaving Humidity Ratio	63.48	gr/lb
Coil Sensible Load	13.33	MBh
Coil Total Load	14.17	MBh
Cooling Supply Air Temperature	55.00	°F
Total Cooling Airflow	573.60	cfm
Resulting Room Relative Humidity	50.00	%

General Engineering Checks

Total Cooling Load	1.2	ton
Area / Load	158.76	ft²/ton
Total Floor Area	187	ft²
Cooling Airflow	3.06	cfm/ft²
Airflow / Load	485.77	cfm/ton
Percent Outdoor Air	2.6	%
Cooling Load Methodology	CLTD-CLF (ASHRAE TFM)	

Design Cooling Load Summary

By Trial
CECIS UNIDAD MERIDA
MERIDA, YUCATAN

System - UGAR DELEGACION MERIDA

Zone - OFC-09 PLANTA BAJA

Coil Location - Zone

Coil Peak Calculation Time: January, hour 17
Ambient DB/WB/HR: 90 / 71 / 87

COOLING COIL LOAD INFORMATION

Load Component	Sensible Btu/h	Latent Btu/h	Total Btu/h	Percent of Total
Solar Gain	0		0	0.0%
Glass Transmission	0		0	0.0%
Wall Transmission	6,647		6,647	46.9%
Roof Transmission	1,234		1,234	8.7%
Floor Transmission	0		0	0.0%
Adj Floor Transmission	0		0.00	0.0%
Partition Transmission	617		617	4.4%
Net Ceiling Load	0		0	0.0%
Lighting	1,134		1,134	8.0%
People	694	615	1,309	9.2%
Misc. Equipment Loads	2,417	0	2,417	17.1%
Cooling Infiltration	0	0	0	0.0%
Sub-Total ==>	12,744	615	13,359	94.3%
Ventilation Load	247	224	471	3.3%
Exhaust Heat	0	0	0	0.0%
Supply Fan Load	340		340	2.4%
Return Fan Load	0		0	0.0%
Net Duct Heat Pickup	0		0	0.0%
Wall Load to Plenum	0		0	0.0%
Roof Load to Plenum	0		0	0.0%
Adj Floor to Plenum	0		0	0.0%
Lighting Load to Plenum	0		0	0.0%
Misc. Equip. Load to Plenum	0	0	0	0.0%
Glass Transmission to Plenum	0		0	0.0%
Glass Solar to Plenum	0		0	0.0%
Over/Under Sizing	0		0	0.0%
Reheat at Design	0	0	0	0.0%
Underfloor Sup Heat Pickup	0		0	0.0%
Supply Air Leakage	0	0	0	0.0%
Total Cooling Loads	13,331	839	14,170	100.0 %

COOLING COIL SELECTION

Coil Selection Parameters

Coil Entering Air (DB / WB)	75.4 / 62.8	°F
Coil Entering Humidity Ratio	65.73	gr/lb
Coil Leaving Air (DB / WB)	54.5 / 54.4	°F
Coil Leaving Humidity Ratio	63.48	gr/lb
Coil Sensible Load	13.33	MBh
Coil Total Load	14.17	MBh
Cooling Supply Air Temperature	55.00	°F
Total Cooling Airflow	573.60	cfm
Resulting Room Relative Humidity	50.00	%

General Engineering Checks

Total Cooling Load	1.2	ton
Area / Load	158.76	ft²/ton
Total Floor Area	187	ft²
Cooling Airflow	3.06	cfm/ft²
Airflow / Load	485.77	cfm/ton
Percent Outdoor Air	2.6	%
Cooling Load Methodology	CLTD-CLF (ASHRAE TFM)	

Design Cooling Load Summary

By Trial
CECIS UNIDAD MERIDA
MERIDA, YUCATAN

System - UGAR DELEGACION MERIDA

Zone - OFC-10 PLANTA BAJA

Coil Location - Zone

Coil Peak Calculation Time: January, hour 17
Ambient DB/WB/HR: 90 / 71 / 87

COOLING COIL LOAD INFORMATION

Load Component	Sensible Btu/h	Latent Btu/h	Total Btu/h	Percent of Total
Solar Gain	0		0	0.0%
Glass Transmission	0		0	0.0%
Wall Transmission	6,618		6,618	49.3%
Roof Transmission	917		917	6.8%
Floor Transmission	0		0	0.0%
Adj Floor Transmission	0		0.00	0.0%
Partition Transmission	614		614	4.6%
Net Ceiling Load	0		0	0.0%
Lighting	841		841	6.3%
People	689	615	1,304	9.7%
Misc. Equipment Loads	2,326	0	2,326	17.3%
Cooling Infiltration	0	0	0	0.0%
Sub-Total ==>	12,005	615	12,620	94.1%
Ventilation Load	247	224	471	3.5%
Exhaust Heat	0	0	0	0.0%
Supply Fan Load	320		320	2.4%
Return Fan Load	0		0	0.0%
Net Duct Heat Pickup	0		0	0.0%
Wall Load to Plenum	0		0	0.0%
Roof Load to Plenum	0		0	0.0%
Adj Floor to Plenum	0		0	0.0%
Lighting Load to Plenum	0		0	0.0%
Misc. Equip. Load to Plenum	0	0	0	0.0%
Glass Transmission to Plenum	0		0	0.0%
Glass Solar to Plenum	0		0	0.0%
Over/Under Sizing	0		0	0.0%
Reheat at Design	0	0	0	0.0%
Underfloor Sup Heat Pickup	0		0	0.0%
Supply Air Leakage	0	0	0	0.0%
Total Cooling Loads	12,572	839	13,411	100.0 %

COOLING COIL SELECTION

Coil Selection Parameters

Coil Entering Air (DB / WB)	75.4 / 62.8	°F
Coil Entering Humidity Ratio	65.76	gr/lb
Coil Leaving Air (DB / WB)	54.5 / 54.4	°F
Coil Leaving Humidity Ratio	63.48	gr/lb
Coil Sensible Load	12.57	MBh
Coil Total Load	13.41	MBh
Cooling Supply Air Temperature	55.00	°F
Total Cooling Airflow	540.33	cfm
Resulting Room Relative Humidity	50.00	%

General Engineering Checks

Total Cooling Load	1.1	ton
Area / Load	126.21	ft²/ton
Total Floor Area	141	ft²
Cooling Airflow	3.83	cfm/ft²
Airflow / Load	483.49	cfm/ton
Percent Outdoor Air	2.8	%
Cooling Load Methodology	CLTD-CLF (ASHRAE TFM)	

Design Cooling Load Summary

By Trial
CECIS UNIDAD MERIDA
MERIDA, YUCATAN

System - UGAR DELEGACION MERIDA

Zone - OFC-11 PLANTA BAJA

Coil Location - Zone

Coil Peak Calculation Time: January, hour 17
Ambient DB/WB/HR: 90 / 71 / 87

COOLING COIL LOAD INFORMATION

Load Component	Sensible Btu/h	Latent Btu/h	Total Btu/h	Percent of Total
Solar Gain	0		0	0.0%
Glass Transmission	0		0	0.0%
Wall Transmission	6,618		6,618	49.3%
Roof Transmission	917		917	6.8%
Floor Transmission	0		0	0.0%
Adj Floor Transmission	0		0.00	0.0%
Partition Transmission	614		614	4.6%
Net Ceiling Load	0		0	0.0%
Lighting	841		841	6.3%
People	689	615	1,304	9.7%
Misc. Equipment Loads	2,326	0	2,326	17.3%
Cooling Infiltration	0	0	0	0.0%
Sub-Total ==>	12,005	615	12,620	94.1%
Ventilation Load	247	224	471	3.5%
Exhaust Heat	0	0	0	0.0%
Supply Fan Load	320		320	2.4%
Return Fan Load	0		0	0.0%
Net Duct Heat Pickup	0		0	0.0%
Wall Load to Plenum	0		0	0.0%
Roof Load to Plenum	0		0	0.0%
Adj Floor to Plenum	0		0	0.0%
Lighting Load to Plenum	0		0	0.0%
Misc. Equip. Load to Plenum	0	0	0	0.0%
Glass Transmission to Plenum	0		0	0.0%
Glass Solar to Plenum	0		0	0.0%
Over/Under Sizing	0		0	0.0%
Reheat at Design	0	0	0	0.0%
Underfloor Sup Heat Pickup	0		0	0.0%
Supply Air Leakage	0	0	0	0.0%
Total Cooling Loads	12,572	839	13,411	100.0 %

COOLING COIL SELECTION

Coil Selection Parameters

Coil Entering Air (DB / WB)	75.4 / 62.8	°F
Coil Entering Humidity Ratio	65.76	gr/lb
Coil Leaving Air (DB / WB)	54.5 / 54.4	°F
Coil Leaving Humidity Ratio	63.48	gr/lb
Coil Sensible Load	12.57	MBh
Coil Total Load	13.41	MBh
Cooling Supply Air Temperature	55.00	°F
Total Cooling Airflow	540.33	cfm
Resulting Room Relative Humidity	50.00	%

General Engineering Checks

Total Cooling Load	1.1	ton
Area / Load	126.21	ft²/ton
Total Floor Area	141	ft²
Cooling Airflow	3.83	cfm/ft²
Airflow / Load	483.49	cfm/ton
Percent Outdoor Air	2.8	%
Cooling Load Methodology	CLTD-CLF (ASHRAE TFM)	

Design Cooling Load Summary

By Trial
CECIS UNIDAD MERIDA
MERIDA, YUCATAN

System - UGAR DELEGACION MERIDA

Zone - OFC-12 PLANTA BAJA

Coil Location - Zone

Coil Peak Calculation Time: January, hour 17
Ambient DB/WB/HR: 90 / 71 / 87

COOLING COIL LOAD INFORMATION

Load Component	Sensible Btu/h	Latent Btu/h	Total Btu/h	Percent of Total
Solar Gain	0		0	0.0%
Glass Transmission	0		0	0.0%
Wall Transmission	6,618		6,618	49.3%
Roof Transmission	917		917	6.8%
Floor Transmission	0		0	0.0%
Adj Floor Transmission	0		0.00	0.0%
Partition Transmission	614		614	4.6%
Net Ceiling Load	0		0	0.0%
Lighting	841		841	6.3%
People	689	615	1,304	9.7%
Misc. Equipment Loads	2,326	0	2,326	17.3%
Cooling Infiltration	0	0	0	0.0%
Sub-Total ==>	12,005	615	12,620	94.1%
Ventilation Load	247	224	471	3.5%
Exhaust Heat	0	0	0	0.0%
Supply Fan Load	320		320	2.4%
Return Fan Load	0		0	0.0%
Net Duct Heat Pickup	0		0	0.0%
Wall Load to Plenum	0		0	0.0%
Roof Load to Plenum	0		0	0.0%
Adj Floor to Plenum	0		0	0.0%
Lighting Load to Plenum	0		0	0.0%
Misc. Equip. Load to Plenum	0	0	0	0.0%
Glass Transmission to Plenum	0		0	0.0%
Glass Solar to Plenum	0		0	0.0%
Over/Under Sizing	0		0	0.0%
Reheat at Design	0	0	0	0.0%
Underfloor Sup Heat Pickup	0		0	0.0%
Supply Air Leakage	0	0	0	0.0%
Total Cooling Loads	12,572	839	13,411	100.0 %

COOLING COIL SELECTION

Coil Selection Parameters

Coil Entering Air (DB / WB)	75.4 / 62.8	°F
Coil Entering Humidity Ratio	65.76	gr/lb
Coil Leaving Air (DB / WB)	54.5 / 54.4	°F
Coil Leaving Humidity Ratio	63.48	gr/lb
Coil Sensible Load	12.57	MBh
Coil Total Load	13.41	MBh
Cooling Supply Air Temperature	55.00	°F
Total Cooling Airflow	540.33	cfm
Resulting Room Relative Humidity	50.00	%

General Engineering Checks

Total Cooling Load	1.1	ton
Area / Load	126.21	ft²/ton
Total Floor Area	141	ft²
Cooling Airflow	3.83	cfm/ft²
Airflow / Load	483.49	cfm/ton
Percent Outdoor Air	2.8	%
Cooling Load Methodology	CLTD-CLF (ASHRAE TFM)	

Design Cooling Load Summary

By Trial
CECIS UNIDAD MERIDA
MERIDA, YUCATAN

System - UGAR DELEGACION MERIDA

Zone - OFC-13 PLANTA BAJA

Coil Location - Zone

Coil Peak Calculation Time: January, hour 17
Ambient DB/WB/HR: 90 / 71 / 87

COOLING COIL LOAD INFORMATION

Load Component	Sensible Btu/h	Latent Btu/h	Total Btu/h	Percent of Total
Solar Gain	0		0	0.0%
Glass Transmission	0		0	0.0%
Wall Transmission	6,618		6,618	49.3%
Roof Transmission	917		917	6.8%
Floor Transmission	0		0	0.0%
Adj Floor Transmission	0		0.00	0.0%
Partition Transmission	614		614	4.6%
Net Ceiling Load	0		0	0.0%
Lighting	841		841	6.3%
People	689	615	1,304	9.7%
Misc. Equipment Loads	2,326	0	2,326	17.3%
Cooling Infiltration	0	0	0	0.0%
Sub-Total ==>	12,005	615	12,620	94.1%
Ventilation Load	247	224	471	3.5%
Exhaust Heat	0	0	0	0.0%
Supply Fan Load	320		320	2.4%
Return Fan Load	0		0	0.0%
Net Duct Heat Pickup	0		0	0.0%
Wall Load to Plenum	0		0	0.0%
Roof Load to Plenum	0		0	0.0%
Adj Floor to Plenum	0		0	0.0%
Lighting Load to Plenum	0		0	0.0%
Misc. Equip. Load to Plenum	0	0	0	0.0%
Glass Transmission to Plenum	0		0	0.0%
Glass Solar to Plenum	0		0	0.0%
Over/Under Sizing	0		0	0.0%
Reheat at Design	0	0	0	0.0%
Underfloor Sup Heat Pickup	0		0	0.0%
Supply Air Leakage	0	0	0	0.0%
Total Cooling Loads	12,572	839	13,411	100.0 %

COOLING COIL SELECTION

Coil Selection Parameters

Coil Entering Air (DB / WB)	75.4 / 62.8	°F
Coil Entering Humidity Ratio	65.76	gr/lb
Coil Leaving Air (DB / WB)	54.5 / 54.4	°F
Coil Leaving Humidity Ratio	63.48	gr/lb
Coil Sensible Load	12.57	MBh
Coil Total Load	13.41	MBh
Cooling Supply Air Temperature	55.00	°F
Total Cooling Airflow	540.33	cfm
Resulting Room Relative Humidity	50.00	%

General Engineering Checks

Total Cooling Load	1.1	ton
Area / Load	126.21	ft²/ton
Total Floor Area	141	ft²
Cooling Airflow	3.83	cfm/ft²
Airflow / Load	483.49	cfm/ton
Percent Outdoor Air	2.8	%
Cooling Load Methodology	CLTD-CLF (ASHRAE TFM)	

Design Cooling Load Summary

By Trial
CECIS UNIDAD MERIDA
MERIDA, YUCATAN

System - UGAR DELEGACION MERIDA

Zone - SE PLANTA BAJA

Coil Location - Zone

Coil Peak Calculation Time: June, hour 15
Ambient DB/WB/HR: 99 / 77 / 103

COOLING COIL LOAD INFORMATION

Load Component	Sensible Btu/h	Latent Btu/h	Total Btu/h	Percent of Total
Solar Gain	6,862		6,862	12.7%
Glass Transmission	3,477		3,477	6.4%
Wall Transmission	852		852	1.6%
Roof Transmission	10,039		10,039	18.6%
Floor Transmission	0		0	0.0%
Adj Floor Transmission	0		0.00	0.0%
Partition Transmission	1,847		1,847	3.4%
Net Ceiling Load	0		0	0.0%
Lighting	4,216		4,216	7.8%
People	5,830	5,125	10,955	20.3%
Misc. Equipment Loads	6,961	0	6,961	12.9%
Cooling Infiltration	0	0	0	0.0%
Sub-Total ==>	40,083	5,125	45,208	83.8%
Ventilation Load	3,391	3,303	6,694	12.4%
Exhaust Heat	-73	0	-73	-0.1%
Supply Fan Load	1,069		1,069	2.0%
Return Fan Load	0		0	0.0%
Net Duct Heat Pickup	0		0	0.0%
Wall Load to Plenum	0		0	0.0%
Roof Load to Plenum	0		0	0.0%
Adj Floor to Plenum	0		0	0.0%
Lighting Load to Plenum	1,054		1,054	2.0%
Misc. Equip. Load to Plenum	0	0	0	0.0%
Glass Transmission to Plenum	0		0	0.0%
Glass Solar to Plenum	0		0	0.0%
Over/Under Sizing	0		0	0.0%
Reheat at Design	0	0	0	0.0%
Underfloor Sup Heat Pickup	0		0	0.0%
Supply Air Leakage	0	0	0	0.0%
Total Cooling Loads	45,524	8,428	53,952	100.0 %

COOLING COIL SELECTION

Coil Selection Parameters

Coil Entering Air (DB / WB)	77.2 / 63.8	°F
Coil Entering Humidity Ratio	67.79	gr/lb
Coil Leaving Air (DB / WB)	54.5 / 53.8	°F
Coil Leaving Humidity Ratio	61.14	gr/lb
Coil Sensible Load	45.52	MBh
Coil Total Load	53.95	MBh
Cooling Supply Air Temperature	55.00	°F
Total Cooling Airflow	1,804.10	cfm
Resulting Room Relative Humidity	50.00	%

General Engineering Checks

Total Cooling Load	4.5	ton
Area / Load	190.05	ft²/ton
Total Floor Area	854	ft²
Cooling Airflow	2.11	cfm/ft²
Airflow / Load	401.27	cfm/ton
Percent Outdoor Air	6.9	%
Cooling Load Methodology	CLTD-CLF (ASHRAE TFM)	

Design Cooling Load Summary

By Trial
CECIS UNIDAD MERIDA
MERIDA, YUCATAN

System - UGAR DELEGACION MERIDA

Zone - SJ-01 PLANTA BAJA

Coil Location - Zone

Coil Peak Calculation Time: June, hour 16
Ambient DB/WB/HR: 99 / 77 / 104

COOLING COIL LOAD INFORMATION

Load Component	Sensible Btu/h	Latent Btu/h	Total Btu/h	Percent of Total
Solar Gain	0		0	0.0%
Glass Transmission	0		0	0.0%
Wall Transmission	0		0	0.0%
Roof Transmission	1,555		1,555	6.0%
Floor Transmission	0		0	0.0%
Adj Floor Transmission	0		0.00	0.0%
Partition Transmission	1,925		1,925	7.4%
Net Ceiling Load	0		0	0.0%
Lighting	854		854	3.3%
People	2,776	2,460	5,236	20.2%
Misc. Equipment Loads	12,579	0	12,579	48.5%
Cooling Infiltration	0	0	0	0.0%
Sub-Total ==>	19,688	2,460	22,148	85.5%
Ventilation Load	1,586	1,646	3,233	12.5%
Exhaust Heat	0	0	0	0.0%
Supply Fan Load	527		527	2.0%
Return Fan Load	0		0	0.0%
Net Duct Heat Pickup	0		0	0.0%
Wall Load to Plenum	0		0	0.0%
Roof Load to Plenum	0		0	0.0%
Adj Floor to Plenum	0		0	0.0%
Lighting Load to Plenum	0		0	0.0%
Misc. Equip. Load to Plenum	0	0	0	0.0%
Glass Transmission to Plenum	0		0	0.0%
Glass Solar to Plenum	0		0	0.0%
Over/Under Sizing	0		0	0.0%
Reheat at Design	0	0	0	0.0%
Underfloor Sup Heat Pickup	0		0	0.0%
Supply Air Leakage	0	0	0	0.0%
Total Cooling Loads	21,802	4,106	25,909	100.0 %

COOLING COIL SELECTION

Coil Selection Parameters

Coil Entering Air (DB / WB)	76.6 / 63.7	°F
Coil Entering Humidity Ratio	67.82	gr/lb
Coil Leaving Air (DB / WB)	54.5 / 53.9	°F
Coil Leaving Humidity Ratio	61.38	gr/lb
Coil Sensible Load	21.80	MBh
Coil Total Load	25.91	MBh
Cooling Supply Air Temperature	55.00	°F
Total Cooling Airflow	889.83	cfm
Resulting Room Relative Humidity	50.00	%

General Engineering Checks

Total Cooling Load	2.2	ton
Area / Load	65.33	ft²/ton
Total Floor Area	141	ft²
Cooling Airflow	6.31	cfm/ft²
Airflow / Load	412.14	cfm/ton
Percent Outdoor Air	6.7	%
Cooling Load Methodology	CLTD-CLF (ASHRAE TFM)	

Design Cooling Load Summary

By Trial
CECIS UNIDAD MERIDA
MERIDA, YUCATAN

System - UGAR DELEGACION MERIDA

Zone - SJ-02 PLANTA BAJA

Coil Location - Zone

Coil Peak Calculation Time: June, hour 16
Ambient DB/WB/HR: 99 / 77 / 104

COOLING COIL LOAD INFORMATION

Load Component	Sensible Btu/h	Latent Btu/h	Total Btu/h	Percent of Total
Solar Gain	0		0	0.0%
Glass Transmission	0		0	0.0%
Wall Transmission	0		0	0.0%
Roof Transmission	1,555		1,555	5.2%
Floor Transmission	0		0	0.0%
Adj Floor Transmission	0		0.00	0.0%
Partition Transmission	1,925		1,925	6.5%
Net Ceiling Load	0		0	0.0%
Lighting	854		854	2.9%
People	3,239	2,870	6,109	20.6%
Misc. Equipment Loads	14,853	0	14,853	50.1%
Cooling Infiltration	0	0	0	0.0%
Sub-Total ==>	22,426	2,870	25,296	85.3%
Ventilation Load	1,851	1,921	3,772	12.7%
Exhaust Heat	0	0	0	0.0%
Supply Fan Load	601		601	2.0%
Return Fan Load	0		0	0.0%
Net Duct Heat Pickup	0		0	0.0%
Wall Load to Plenum	0		0	0.0%
Roof Load to Plenum	0		0	0.0%
Adj Floor to Plenum	0		0	0.0%
Lighting Load to Plenum	0		0	0.0%
Misc. Equip. Load to Plenum	0	0	0	0.0%
Glass Transmission to Plenum	0		0	0.0%
Glass Solar to Plenum	0		0	0.0%
Over/Under Sizing	0		0	0.0%
Reheat at Design	0	0	0	0.0%
Underfloor Sup Heat Pickup	0		0	0.0%
Supply Air Leakage	0	0	0	0.0%
Total Cooling Loads	24,878	4,791	29,668	100.0 %

COOLING COIL SELECTION

Coil Selection Parameters

Coil Entering Air (DB / WB)	76.6 / 63.7	°F
Coil Entering Humidity Ratio	67.88	gr/lb
Coil Leaving Air (DB / WB)	54.5 / 53.9	°F
Coil Leaving Humidity Ratio	61.29	gr/lb
Coil Sensible Load	24.88	MBh
Coil Total Load	29.67	MBh
Cooling Supply Air Temperature	55.00	°F
Total Cooling Airflow	1,013.80	cfm
Resulting Room Relative Humidity	50.00	%

General Engineering Checks

Total Cooling Load	2.5	ton
Area / Load	57.05	ft²/ton
Total Floor Area	141	ft²
Cooling Airflow	7.19	cfm/ft²
Airflow / Load	410.05	cfm/ton
Percent Outdoor Air	6.9	%
Cooling Load Methodology	CLTD-CLF (ASHRAE TFM)	

Design Cooling Load Summary

By Trial
CECIS UNIDAD MERIDA
MERIDA, YUCATAN

System - UGAR DELEGACION MERIDA

Zone - SJ-03 PLANTA BAJA

Coil Location - Zone

Coil Peak Calculation Time: June, hour 16
Ambient DB/WB/HR: 99 / 77 / 104

COOLING COIL LOAD INFORMATION

Load Component	Sensible Btu/h	Latent Btu/h	Total Btu/h	Percent of Total
Solar Gain	0		0	0.0%
Glass Transmission	0		0	0.0%
Wall Transmission	0		0	0.0%
Roof Transmission	1,566		1,566	20.2%
Floor Transmission	0		0	0.0%
Adj Floor Transmission	0		0.00	0.0%
Partition Transmission	943		943	12.2%
Net Ceiling Load	0		0	0.0%
Lighting	869		869	11.2%
People	933	820	1,753	22.7%
Misc. Equipment Loads	1,376	0	1,376	17.8%
Cooling Infiltration	0	0	0	0.0%
Sub-Total ==>	5,686	820	6,506	84.1%
Ventilation Load	529	549	1,078	13.9%
Exhaust Heat	0	0	0	0.0%
Supply Fan Load	153		153	2.0%
Return Fan Load	0		0	0.0%
Net Duct Heat Pickup	0		0	0.0%
Wall Load to Plenum	0		0	0.0%
Roof Load to Plenum	0		0	0.0%
Adj Floor to Plenum	0		0	0.0%
Lighting Load to Plenum	0		0	0.0%
Misc. Equip. Load to Plenum	0	0	0	0.0%
Glass Transmission to Plenum	0		0	0.0%
Glass Solar to Plenum	0		0	0.0%
Over/Under Sizing	0		0	0.0%
Reheat at Design	0	0	0	0.0%
Underfloor Sup Heat Pickup	0		0	0.0%
Supply Air Leakage	0	0	0	0.0%
Total Cooling Loads	6,367	1,369	7,736	100.0 %

COOLING COIL SELECTION

Coil Selection Parameters

Coil Entering Air (DB / WB)	76.8 / 63.8	°F
Coil Entering Humidity Ratio	68.22	gr/lb
Coil Leaving Air (DB / WB)	54.5 / 53.8	°F
Coil Leaving Humidity Ratio	60.93	gr/lb
Coil Sensible Load	6.37	MBh
Coil Total Load	7.74	MBh
Cooling Supply Air Temperature	55.00	°F
Total Cooling Airflow	258.00	cfm
Resulting Room Relative Humidity	50.00	%

General Engineering Checks

Total Cooling Load	0.6	ton
Area / Load	218.79	ft²/ton
Total Floor Area	141	ft²
Cooling Airflow	1.83	cfm/ft²
Airflow / Load	400.20	cfm/ton
Percent Outdoor Air	7.8	%
Cooling Load Methodology	CLTD-CLF (ASHRAE TFM)	

Design Cooling Load Summary

By Trial
CECIS UNIDAD MERIDA
MERIDA, YUCATAN

System - UGAR DELEGACION MERIDA

Zone - SJ-04 PLANTA BAJA

Coil Location - Zone

Coil Peak Calculation Time: June, hour 16
Ambient DB/WB/HR: 99 / 77 / 104

COOLING COIL LOAD INFORMATION

Load Component	Sensible Btu/h	Latent Btu/h	Total Btu/h	Percent of Total
Solar Gain	0		0	0.0%
Glass Transmission	0		0	0.0%
Wall Transmission	0		0	0.0%
Roof Transmission	1,566		1,566	20.2%
Floor Transmission	0		0	0.0%
Adj Floor Transmission	0		0.00	0.0%
Partition Transmission	943		943	12.2%
Net Ceiling Load	0		0	0.0%
Lighting	869		869	11.2%
People	933	820	1,753	22.7%
Misc. Equipment Loads	1,376	0	1,376	17.8%
Cooling Infiltration	0	0	0	0.0%
Sub-Total ==>	5,686	820	6,506	84.1%
Ventilation Load	529	549	1,078	13.9%
Exhaust Heat	0	0	0	0.0%
Supply Fan Load	153		153	2.0%
Return Fan Load	0		0	0.0%
Net Duct Heat Pickup	0		0	0.0%
Wall Load to Plenum	0		0	0.0%
Roof Load to Plenum	0		0	0.0%
Adj Floor to Plenum	0		0	0.0%
Lighting Load to Plenum	0		0	0.0%
Misc. Equip. Load to Plenum	0	0	0	0.0%
Glass Transmission to Plenum	0		0	0.0%
Glass Solar to Plenum	0		0	0.0%
Over/Under Sizing	0		0	0.0%
Reheat at Design	0	0	0	0.0%
Underfloor Sup Heat Pickup	0		0	0.0%
Supply Air Leakage	0	0	0	0.0%
Total Cooling Loads	6,367	1,369	7,736	100.0 %

COOLING COIL SELECTION

Coil Selection Parameters

Coil Entering Air (DB / WB)	76.8 / 63.8	°F
Coil Entering Humidity Ratio	68.22	gr/lb
Coil Leaving Air (DB / WB)	54.5 / 53.8	°F
Coil Leaving Humidity Ratio	60.93	gr/lb
Coil Sensible Load	6.37	MBh
Coil Total Load	7.74	MBh
Cooling Supply Air Temperature	55.00	°F
Total Cooling Airflow	258.00	cfm
Resulting Room Relative Humidity	50.00	%

General Engineering Checks

Total Cooling Load	0.6	ton
Area / Load	218.79	ft²/ton
Total Floor Area	141	ft²
Cooling Airflow	1.83	cfm/ft²
Airflow / Load	400.20	cfm/ton
Percent Outdoor Air	7.8	%
Cooling Load Methodology	CLTD-CLF (ASHRAE TFM)	

Design Cooling Load Summary

By Trial
CECIS UNIDAD MERIDA
MERIDA, YUCATAN

System - UGAR DELEGACION MERIDA

Zone - SJ-05 PLANTA BAJA

Coil Location - Zone

Coil Peak Calculation Time: June, hour 16
Ambient DB/WB/HR: 99 / 77 / 104

COOLING COIL LOAD INFORMATION

Load Component	Sensible Btu/h	Latent Btu/h	Total Btu/h	Percent of Total
Solar Gain	0		0	0.0%
Glass Transmission	0		0	0.0%
Wall Transmission	0		0	0.0%
Roof Transmission	1,555		1,555	6.0%
Floor Transmission	0		0	0.0%
Adj Floor Transmission	0		0.00	0.0%
Partition Transmission	1,925		1,925	7.4%
Net Ceiling Load	0		0	0.0%
Lighting	854		854	3.3%
People	2,776	2,460	5,236	20.2%
Misc. Equipment Loads	12,579	0	12,579	48.5%
Cooling Infiltration	0	0	0	0.0%
Sub-Total ==>	19,688	2,460	22,148	85.5%
Ventilation Load	1,586	1,646	3,233	12.5%
Exhaust Heat	0	0	0	0.0%
Supply Fan Load	527		527	2.0%
Return Fan Load	0		0	0.0%
Net Duct Heat Pickup	0		0	0.0%
Wall Load to Plenum	0		0	0.0%
Roof Load to Plenum	0		0	0.0%
Adj Floor to Plenum	0		0	0.0%
Lighting Load to Plenum	0		0	0.0%
Misc. Equip. Load to Plenum	0	0	0	0.0%
Glass Transmission to Plenum	0		0	0.0%
Glass Solar to Plenum	0		0	0.0%
Over/Under Sizing	0		0	0.0%
Reheat at Design	0	0	0	0.0%
Underfloor Sup Heat Pickup	0		0	0.0%
Supply Air Leakage	0	0	0	0.0%
Total Cooling Loads	21,802	4,106	25,909	100.0 %

COOLING COIL SELECTION

Coil Selection Parameters

Coil Entering Air (DB / WB)	76.6 / 63.7	°F
Coil Entering Humidity Ratio	67.82	gr/lb
Coil Leaving Air (DB / WB)	54.5 / 53.9	°F
Coil Leaving Humidity Ratio	61.38	gr/lb
Coil Sensible Load	21.80	MBh
Coil Total Load	25.91	MBh
Cooling Supply Air Temperature	55.00	°F
Total Cooling Airflow	889.83	cfm
Resulting Room Relative Humidity	50.00	%

General Engineering Checks

Total Cooling Load	2.2	ton
Area / Load	65.33	ft²/ton
Total Floor Area	141	ft²
Cooling Airflow	6.31	cfm/ft²
Airflow / Load	412.14	cfm/ton
Percent Outdoor Air	6.7	%
Cooling Load Methodology	CLTD-CLF (ASHRAE TFM)	

Design Cooling Load Summary

By Trial
CECIS UNIDAD MERIDA
MERIDA, YUCATAN

System - UGAR DELEGACION MERIDA

Zone - SL PLANTA BAJA

Coil Location - Zone

Coil Peak Calculation Time: January, hour 17
Ambient DB/WB/HR: 90 / 71 / 87

COOLING COIL LOAD INFORMATION

Load Component	Sensible Btu/h	Latent Btu/h	Total Btu/h	Percent of Total
Solar Gain	0		0	0.0%
Glass Transmission	0		0	0.0%
Wall Transmission	6,587		6,587	52.7%
Roof Transmission	888		888	7.1%
Floor Transmission	0		0	0.0%
Adj Floor Transmission	0		0.00	0.0%
Partition Transmission	1,952		1,952	15.6%
Net Ceiling Load	0		0	0.0%
Lighting	797		797	6.4%
People	676	615	1,291	10.3%
Misc. Equipment Loads	222	0	222	1.8%
Cooling Infiltration	0	0	0	0.0%
Sub-Total ==>	11,122	615	11,737	93.9%
Ventilation Load	247	224	471	3.8%
Exhaust Heat	0	0	0	0.0%
Supply Fan Load	297		297	2.4%
Return Fan Load	0		0	0.0%
Net Duct Heat Pickup	0		0	0.0%
Wall Load to Plenum	0		0	0.0%
Roof Load to Plenum	0		0	0.0%
Adj Floor to Plenum	0		0	0.0%
Lighting Load to Plenum	0		0	0.0%
Misc. Equip. Load to Plenum	0	0	0	0.0%
Glass Transmission to Plenum	0		0	0.0%
Glass Solar to Plenum	0		0	0.0%
Over/Under Sizing	0		0	0.0%
Reheat at Design	0	0	0	0.0%
Underfloor Sup Heat Pickup	0		0	0.0%
Supply Air Leakage	0	0	0	0.0%
Total Cooling Loads	11,666	839	12,505	100.0 %

COOLING COIL SELECTION

Coil Selection Parameters

Coil Entering Air (DB / WB)	75.4 / 62.8	°F
Coil Entering Humidity Ratio	65.81	gr/lb
Coil Leaving Air (DB / WB)	54.5 / 54.4	°F
Coil Leaving Humidity Ratio	63.40	gr/lb
Coil Sensible Load	11.67	MBh
Coil Total Load	12.50	MBh
Cooling Supply Air Temperature	55.00	°F
Total Cooling Airflow	500.61	cfm
Resulting Room Relative Humidity	50.00	%

General Engineering Checks

Total Cooling Load	1.0	ton
Area / Load	134.03	ft²/ton
Total Floor Area	140	ft²
Cooling Airflow	3.58	cfm/ft²
Airflow / Load	480.41	cfm/ton
Percent Outdoor Air	3.0	%
Cooling Load Methodology	CLTD-CLF (ASHRAE TFM)	

Design Cooling Load Summary

By Trial
CECIS UNIDAD MERIDA
MERIDA, YUCATAN

System - UGAR DELEGACION MERIDA

Zone - UM PLANTA BAJA

Coil Location - Zone

Coil Peak Calculation Time: June, hour 16
Ambient DB/WB/HR: 99 / 77 / 104

COOLING COIL LOAD INFORMATION

Load Component	Sensible Btu/h	Latent Btu/h	Total Btu/h	Percent of Total
Solar Gain	0		0	0.0%
Glass Transmission	0		0	0.0%
Wall Transmission	0		0	0.0%
Roof Transmission	4,669		4,669	11.8%
Floor Transmission	0		0	0.0%
Adj Floor Transmission	0		0.00	0.0%
Partition Transmission	3,874		3,874	9.8%
Net Ceiling Load	0		0	0.0%
Lighting	2,581		2,581	6.5%
People	6,974	6,150	13,124	33.0%
Misc. Equipment Loads	6,725	0	6,725	16.9%
Cooling Infiltration	0	0	0	0.0%
Sub-Total ==>	24,823	6,150	30,973	78.0%
Ventilation Load	3,966	4,111	8,077	20.3%
Exhaust Heat	0	0	0	0.0%
Supply Fan Load	670		670	1.7%
Return Fan Load	0		0	0.0%
Net Duct Heat Pickup	0		0	0.0%
Wall Load to Plenum	0		0	0.0%
Roof Load to Plenum	0		0	0.0%
Adj Floor to Plenum	0		0	0.0%
Lighting Load to Plenum	0		0	0.0%
Misc. Equip. Load to Plenum	0	0	0	0.0%
Glass Transmission to Plenum	0		0	0.0%
Glass Solar to Plenum	0		0	0.0%
Over/Under Sizing	0		0	0.0%
Reheat at Design	0	0	0	0.0%
Underfloor Sup Heat Pickup	0		0	0.0%
Supply Air Leakage	0	0	0	0.0%
Total Cooling Loads	29,460	10,261	39,721	100.0 %

COOLING COIL SELECTION

Coil Selection Parameters

Coil Entering Air (DB / WB)	78.2 / 64.7	°F
Coil Entering Humidity Ratio	70.42	gr/lb
Coil Leaving Air (DB / WB)	54.6 / 53.0	°F
Coil Leaving Humidity Ratio	57.77	gr/lb
Coil Sensible Load	29.46	MBh
Coil Total Load	39.72	MBh
Cooling Supply Air Temperature	55.10	°F
Total Cooling Airflow	1,130.85	cfm
Resulting Room Relative Humidity	50.04	%

General Engineering Checks

Total Cooling Load	3.3	ton
Area / Load	127.38	ft²/ton
Total Floor Area	422	ft²
Cooling Airflow	2.68	cfm/ft²
Airflow / Load	341.64	cfm/ton
Percent Outdoor Air	13.3	%
Cooling Load Methodology	CLTD-CLF (ASHRAE TFM)	

Design Cooling Load Summary

By Trial
CECIS UNIDAD MERIDA
MERIDA, YUCATAN

System - UGAR DELEGACION MERIDA

Zone - VU PLANTA BAJA

Coil Location - Zone

Coil Peak Calculation Time: May, hour 16
Ambient DB/WB/HR: 100 / 76 / 99

COOLING COIL LOAD INFORMATION

Load Component	Sensible Btu/h	Latent Btu/h	Total Btu/h	Percent of Total
Solar Gain	0		0	0.0%
Glass Transmission	0		0	0.0%
Wall Transmission	0		0	0.0%
Roof Transmission	1,943		1,943	22.9%
Floor Transmission	0		0	0.0%
Adj Floor Transmission	0		0.00	0.0%
Partition Transmission	1,490		1,490	17.5%
Net Ceiling Load	0		0	0.0%
Lighting	1,068		1,068	12.6%
People	466	410	876	10.3%
Misc. Equipment Loads	2,408	0	2,408	28.4%
Cooling Infiltration	0	0	0	0.0%
Sub-Total ==>	7,374	410	7,784	91.7%
Ventilation Load	276	234	509	6.0%
Exhaust Heat	0	0	0	0.0%
Supply Fan Load	197		197	2.3%
Return Fan Load	0		0	0.0%
Net Duct Heat Pickup	0		0	0.0%
Wall Load to Plenum	0		0	0.0%
Roof Load to Plenum	0		0	0.0%
Adj Floor to Plenum	0		0	0.0%
Lighting Load to Plenum	0		0	0.0%
Misc. Equip. Load to Plenum	0	0	0	0.0%
Glass Transmission to Plenum	0		0	0.0%
Glass Solar to Plenum	0		0	0.0%
Over/Under Sizing	0		0	0.0%
Reheat at Design	0	0	0	0.0%
Underfloor Sup Heat Pickup	0		0	0.0%
Supply Air Leakage	0	0	0	0.0%
Total Cooling Loads	7,846	644	8,490	100.0 %

COOLING COIL SELECTION

Coil Selection Parameters

Coil Entering Air (DB / WB)	75.8 / 63.0	°F
Coil Entering Humidity Ratio	66.18	gr/lb
Coil Leaving Air (DB / WB)	54.5 / 54.4	°F
Coil Leaving Humidity Ratio	63.39	gr/lb
Coil Sensible Load	7.85	MBh
Coil Total Load	8.49	MBh
Cooling Supply Air Temperature	55.00	°F
Total Cooling Airflow	331.90	cfm
Resulting Room Relative Humidity	50.00	%

General Engineering Checks

Total Cooling Load	0.7	ton
Area / Load	245.77	ft²/ton
Total Floor Area	174	ft²
Cooling Airflow	1.91	cfm/ft²
Airflow / Load	469.12	cfm/ton
Percent Outdoor Air	3.0	%
Cooling Load Methodology	CLTD-CLF (ASHRAE TFM)	

Design Cooling Load Summary

By Trial
CECIS UNIDAD MERIDA
MERIDA, YUCATAN

System - CESIS UP

Zone - AVI + SE NIVEL ESTACIONAMIENTO

Coil Location - Zone

Coil Peak Calculation Time: May, hour 15
Ambient DB/WB/HR: 101 / 76 / 98

COOLING COIL LOAD INFORMATION

Load Component	Sensible Btu/h	Latent Btu/h	Total Btu/h	Percent of Total
Solar Gain	15,055		15,055	5.8%
Glass Transmission	10,783		10,783	4.2%
Wall Transmission	6,707		6,707	2.6%
Roof Transmission	52,241		52,241	20.2%
Floor Transmission	0		0	0.0%
Adj Floor Transmission	0		0.00	0.0%
Partition Transmission	20,223		20,223	7.8%
Net Ceiling Load	0		0	0.0%
Lighting	21,123		21,123	8.2%
People	25,418	22,550	47,968	18.5%
Misc. Equipment Loads	38,797	0	38,797	15.0%
Cooling Infiltration	0	0	0	0.0%
Sub-Total ==>	190,347	22,550	212,897	82.2%
Ventilation Load	15,581	16,303	31,884	12.3%
Exhaust Heat	-372	0	-372	-0.1%
Supply Fan Load	9,258		9,258	3.6%
Return Fan Load	0		0	0.0%
Net Duct Heat Pickup	0		0	0.0%
Wall Load to Plenum	0		0	0.0%
Roof Load to Plenum	0		0	0.0%
Adj Floor to Plenum	0		0	0.0%
Lighting Load to Plenum	5,281		5,281	2.0%
Misc. Equip. Load to Plenum	0	0	0	0.0%
Glass Transmission to Plenum	0		0	0.0%
Glass Solar to Plenum	0		0	0.0%
Over/Under Sizing	0		0	0.0%
Reheat at Design	0	0	0	0.0%
Underfloor Sup Heat Pickup	0		0	0.0%
Supply Air Leakage	0	0	0	0.0%
Total Cooling Loads	220,095	38,853	258,949	100.0 %

COOLING COIL SELECTION

Coil Selection Parameters

Coil Entering Air (DB / WB)	77.4 / 61.9	°F
Coil Entering Humidity Ratio	58.23	gr/lb
Coil Leaving Air (DB / WB)	52.0 / 50.1	°F
Coil Leaving Humidity Ratio	51.04	gr/lb
Coil Sensible Load	220.10	MBh
Coil Total Load	258.95	MBh
Cooling Supply Air Temperature	53.07	°F
Total Cooling Airflow	7,811.81	cfm
Resulting Room Relative Humidity	42.48	%

General Engineering Checks

Total Cooling Load	21.6	ton
Area / Load	203.85	ft²/ton
Total Floor Area	4,399	ft²
Cooling Airflow	1.78	cfm/ft²
Airflow / Load	362.01	cfm/ton
Percent Outdoor Air	7.0	%
Cooling Load Methodology	CLTD-CLF (ASHRAE TFM)	

Design Cooling Load Summary

By Trial
CECIS UNIDAD MERIDA
MERIDA, YUCATAN

System - CESIS UP

Zone - COMEDOR NIVEL ESTACIONAMIENTO

Coil Location - Zone

Coil Peak Calculation Time: June, hour 16
Ambient DB/WB/HR: 99 / 77 / 104

COOLING COIL LOAD INFORMATION

Load Component	Sensible Btu/h	Latent Btu/h	Total Btu/h	Percent of Total
Solar Gain	0		0	0.0%
Glass Transmission	0		0	0.0%
Wall Transmission	0		0	0.0%
Roof Transmission	1,599		1,599	19.5%
Floor Transmission	0		0	0.0%
Adj Floor Transmission	0		0.00	0.0%
Partition Transmission	906		906	11.0%
Net Ceiling Load	0		0	0.0%
Lighting	885		885	10.8%
People	1,401	1,230	2,631	32.1%
Misc. Equipment Loads	236	0	236	2.9%
Cooling Infiltration	0	0	0	0.0%
Sub-Total ==>	5,026	1,230	6,256	76.3%
Ventilation Load	793	906	1,699	20.7%
Exhaust Heat	0	0	0	0.0%
Supply Fan Load	247		247	3.0%
Return Fan Load	0		0	0.0%
Net Duct Heat Pickup	0		0	0.0%
Wall Load to Plenum	0		0	0.0%
Roof Load to Plenum	0		0	0.0%
Adj Floor to Plenum	0		0	0.0%
Lighting Load to Plenum	0		0	0.0%
Misc. Equip. Load to Plenum	0	0	0	0.0%
Glass Transmission to Plenum	0		0	0.0%
Glass Solar to Plenum	0		0	0.0%
Over/Under Sizing	0		0	0.0%
Reheat at Design	0	0	0	0.0%
Underfloor Sup Heat Pickup	0		0	0.0%
Supply Air Leakage	0	0	0	0.0%
Total Cooling Loads	6,066	2,136	8,202	100.0 %

COOLING COIL SELECTION

Coil Selection Parameters

Coil Entering Air (DB / WB)	78.4 / 64.2	°F
Coil Entering Humidity Ratio	67.45	gr/lb
Coil Leaving Air (DB / WB)	52.0 / 50.7	°F
Coil Leaving Humidity Ratio	53.18	gr/lb
Coil Sensible Load	6.07	MBh
Coil Total Load	8.20	MBh
Cooling Supply Air Temperature	53.07	°F
Total Cooling Airflow	208.25	cfm
Resulting Room Relative Humidity	47.01	%

General Engineering Checks

Total Cooling Load	0.7	ton
Area / Load	210.51	ft²/ton
Total Floor Area	144	ft²
Cooling Airflow	1.45	cfm/ft²
Airflow / Load	304.67	cfm/ton
Percent Outdoor Air	14.4	%
Cooling Load Methodology	CLTD-CLF (ASHRAE TFM)	

Design Cooling Load Summary

By Trial
CECIS UNIDAD MERIDA
MERIDA, YUCATAN

System - CESIS UP

Zone - OFICINA 1 NIVEL ESTACIONAMIENTO

Coil Location - Zone

Coil Peak Calculation Time: January, hour 17
Ambient DB/WB/HR: 90 / 71 / 87

COOLING COIL LOAD INFORMATION

Load Component	Sensible Btu/h	Latent Btu/h	Total Btu/h	Percent of Total
Solar Gain	0		0	0.0%
Glass Transmission	0		0	0.0%
Wall Transmission	6,624		6,624	47.4%
Roof Transmission	978		978	7.0%
Floor Transmission	0		0	0.0%
Adj Floor Transmission	0		0.00	0.0%
Partition Transmission	592		592	4.2%
Net Ceiling Load	0		0	0.0%
Lighting	898		898	6.4%
People	691	615	1,306	9.4%
Misc. Equipment Loads	2,346	0	2,346	16.8%
Cooling Infiltration	0	0	0	0.0%
Sub-Total ==>	12,129	615	12,744	91.3%
Ventilation Load	247	380	627	4.5%
Exhaust Heat	0	0	0	0.0%
Supply Fan Load	590		590	4.2%
Return Fan Load	0		0	0.0%
Net Duct Heat Pickup	0		0	0.0%
Wall Load to Plenum	0		0	0.0%
Roof Load to Plenum	0		0	0.0%
Adj Floor to Plenum	0		0	0.0%
Lighting Load to Plenum	0		0	0.0%
Misc. Equip. Load to Plenum	0	0	0	0.0%
Glass Transmission to Plenum	0		0	0.0%
Glass Solar to Plenum	0		0	0.0%
Over/Under Sizing	0		0	0.0%
Reheat at Design	0	0	0	0.0%
Underfloor Sup Heat Pickup	0		0	0.0%
Supply Air Leakage	0	0	0	0.0%
Total Cooling Loads	12,966	995	13,961	100.0 %

COOLING COIL SELECTION

Coil Selection Parameters

Coil Entering Air (DB / WB)	75.5 / 59.6	°F
Coil Entering Humidity Ratio	51.32	gr/lb
Coil Leaving Air (DB / WB)	52.0 / 49.4	°F
Coil Leaving Humidity Ratio	48.30	gr/lb
Coil Sensible Load	12.97	MBh
Coil Total Load	13.96	MBh
Cooling Supply Air Temperature	53.07	°F
Total Cooling Airflow	497.77	cfm
Resulting Room Relative Humidity	38.66	%

General Engineering Checks

Total Cooling Load	1.2	ton
Area / Load	128.93	ft²/ton
Total Floor Area	150	ft²
Cooling Airflow	3.32	cfm/ft²
Airflow / Load	427.85	cfm/ton
Percent Outdoor Air	3.0	%
Cooling Load Methodology	CLTD-CLF (ASHRAE TFM)	

Design Cooling Load Summary

By Trial
CECIS UNIDAD MERIDA
MERIDA, YUCATAN

System - CESIS UP

Zone - OFICINA 2 NIVEL ESTACIONAMIENTO

Coil Location - Zone

Coil Peak Calculation Time: June, hour 16
Ambient DB/WB/HR: 99 / 77 / 104

COOLING COIL LOAD INFORMATION

Load Component	Sensible Btu/h	Latent Btu/h	Total Btu/h	Percent of Total
Solar Gain	0		0	0.0%
Glass Transmission	0		0	0.0%
Wall Transmission	0		0	0.0%
Roof Transmission	1,599		1,599	19.4%
Floor Transmission	0		0	0.0%
Adj Floor Transmission	0		0.00	0.0%
Partition Transmission	819		819	9.9%
Net Ceiling Load	0		0	0.0%
Lighting	892		892	10.8%
People	702	615	1,317	16.0%
Misc. Equipment Loads	2,368	0	2,368	28.8%
Cooling Infiltration	0	0	0	0.0%
Sub-Total ==>	6,381	615	6,996	85.0%
Ventilation Load	397	530	927	11.3%
Exhaust Heat	0	0	0	0.0%
Supply Fan Load	312		312	3.8%
Return Fan Load	0		0	0.0%
Net Duct Heat Pickup	0		0	0.0%
Wall Load to Plenum	0		0	0.0%
Roof Load to Plenum	0		0	0.0%
Adj Floor to Plenum	0		0	0.0%
Lighting Load to Plenum	0		0	0.0%
Misc. Equip. Load to Plenum	0	0	0	0.0%
Glass Transmission to Plenum	0		0	0.0%
Glass Solar to Plenum	0		0	0.0%
Over/Under Sizing	0		0	0.0%
Reheat at Design	0	0	0	0.0%
Underfloor Sup Heat Pickup	0		0	0.0%
Supply Air Leakage	0	0	0	0.0%
Total Cooling Loads	7,090	1,145	8,235	100.0 %

COOLING COIL SELECTION

Coil Selection Parameters

Coil Entering Air (DB / WB)	76.4 / 61.2	°F
Coil Entering Humidity Ratio	56.76	gr/lb
Coil Leaving Air (DB / WB)	52.0 / 50.0	°F
Coil Leaving Humidity Ratio	50.68	gr/lb
Coil Sensible Load	7.09	MBh
Coil Total Load	8.23	MBh
Cooling Supply Air Temperature	53.07	°F
Total Cooling Airflow	263.60	cfm
Resulting Room Relative Humidity	41.44	%

General Engineering Checks

Total Cooling Load	0.7	ton
Area / Load	209.69	ft²/ton
Total Floor Area	144	ft²
Cooling Airflow	1.83	cfm/ft²
Airflow / Load	384.13	cfm/ton
Percent Outdoor Air	5.7	%
Cooling Load Methodology	CLTD-CLF (ASHRAE TFM)	

Design Cooling Load Summary

By Trial
CECIS UNIDAD MERIDA
MERIDA, YUCATAN

System - CESIS UP

Zone - SALA DE JUNTAS 1 NIVEL ESTACIONAMIENTO

Coil Location - Zone

Coil Peak Calculation Time: June, hour 16
Ambient DB/WB/HR: 99 / 77 / 104

COOLING COIL LOAD INFORMATION

Load Component	Sensible Btu/h	Latent Btu/h	Total Btu/h	Percent of Total
Solar Gain	0		0	0.0%
Glass Transmission	0		0	0.0%
Wall Transmission	0		0	0.0%
Roof Transmission	4,728		4,728	9.8%
Floor Transmission	0		0	0.0%
Adj Floor Transmission	0		0.00	0.0%
Partition Transmission	2,944		2,944	6.1%
Net Ceiling Load	0		0	0.0%
Lighting	2,623		2,623	5.4%
People	4,663	4,100	8,763	18.2%
Misc. Equipment Loads	21,306	0	21,306	44.2%
Cooling Infiltration	0	0	0	0.0%
Sub-Total ==>	36,263	4,100	40,363	83.7%
Ventilation Load	2,644	3,461	6,105	12.7%
Exhaust Heat	0	0	0	0.0%
Supply Fan Load	1,771		1,771	3.7%
Return Fan Load	0		0	0.0%
Net Duct Heat Pickup	0		0	0.0%
Wall Load to Plenum	0		0	0.0%
Roof Load to Plenum	0		0	0.0%
Adj Floor to Plenum	0		0	0.0%
Lighting Load to Plenum	0		0	0.0%
Misc. Equip. Load to Plenum	0	0	0	0.0%
Glass Transmission to Plenum	0		0	0.0%
Glass Solar to Plenum	0		0	0.0%
Over/Under Sizing	0		0	0.0%
Reheat at Design	0	0	0	0.0%
Underfloor Sup Heat Pickup	0		0	0.0%
Supply Air Leakage	0	0	0	0.0%
Total Cooling Loads	40,678	7,561	48,239	100.0 %

COOLING COIL SELECTION

Coil Selection Parameters

Coil Entering Air (DB / WB)	76.6 / 61.6	°F
Coil Entering Humidity Ratio	58.23	gr/lb
Coil Leaving Air (DB / WB)	52.0 / 50.1	°F
Coil Leaving Humidity Ratio	51.06	gr/lb
Coil Sensible Load	40.68	MBh
Coil Total Load	48.24	MBh
Cooling Supply Air Temperature	53.07	°F
Total Cooling Airflow	1,494.15	cfm
Resulting Room Relative Humidity	42.23	%

General Engineering Checks

Total Cooling Load	4.0	ton
Area / Load	105.93	ft²/ton
Total Floor Area	426	ft²
Cooling Airflow	3.51	cfm/ft²
Airflow / Load	371.69	cfm/ton
Percent Outdoor Air	6.7	%
Cooling Load Methodology	CLTD-CLF (ASHRAE TFM)	

Design Cooling Load Summary

By Trial
CECIS UNIDAD MERIDA
MERIDA, YUCATAN

System - UC CE MERIDA

Zone - CE PLANTA BAJA

Room - CE PLANTA BAJA

Coil Location - Room

Coil Peak Calculation Time: May, hour 16
Ambient DB/WB/HR: 100 / 76 / 99

COOLING COIL LOAD INFORMATION

Load Component	Sensible Btu/h	Latent Btu/h	Total Btu/h	Percent of Total
Solar Gain	0		0	0.0%
Glass Transmission	0		0	0.0%
Wall Transmission	0		0	0.0%
Roof Transmission	1,915		1,915	11.4%
Floor Transmission	0		0	0.0%
Adj Floor Transmission	0		0.00	0.0%
Partition Transmission	3,873		3,873	23.0%
Net Ceiling Load	0		0	0.0%
Lighting	1,036		1,036	6.1%
People	0	0	0	0.0%
Misc. Equipment Loads	9,967	0	9,967	59.1%
Cooling Infiltration	0	0	0	0.0%
Sub-Total ==>	16,791	0	16,791	99.6%
Ventilation Load	0	0	0	0.0%
Exhaust Heat	0	0	0	0.0%
Supply Fan Load	72		72	0.4%
Return Fan Load	0		0	0.0%
Net Duct Heat Pickup	0		0	0.0%
Wall Load to Plenum	0		0	0.0%
Roof Load to Plenum	0		0	0.0%
Adj Floor to Plenum	0		0	0.0%
Lighting Load to Plenum	0		0	0.0%
Misc. Equip. Load to Plenum	0	0	0	0.0%
Glass Transmission to Plenum	0		0	0.0%
Glass Solar to Plenum	0		0	0.0%
Over/Under Sizing	0		0	0.0%
Reheat at Design	0	0	0	0.0%
Underfloor Sup Heat Pickup	0		0	0.0%
Supply Air Leakage	0	0	0	0.0%
Total Cooling Loads	16,863	0	16,863	100.0 %

COOLING COIL SELECTION

Coil Selection Parameters

Coil Entering Air (DB / WB)	75.1 / 61.1	°F
Coil Entering Humidity Ratio	58.57	gr/lb
Coil Leaving Air (DB / WB)	55.0 / 53.4	°F
Coil Leaving Humidity Ratio	58.47	gr/lb
Coil Sensible Load	16.86	MBh
Coil Total Load	16.86	MBh
Cooling Supply Air Temperature	55.00	°F
Total Cooling Airflow	755.72	cfm
Resulting Room Relative Humidity	45.00	%

General Engineering Checks

Total Cooling Load	1.4	ton
Area / Load	123.79	ft²/ton
Total Floor Area	174	ft²
Cooling Airflow	4.34	cfm/ft²
Airflow / Load	537.79	cfm/ton
Percent Outdoor Air	0.0	%
Cooling Load Methodology	CLTD-CLF (ASHRAE TFM)	

Design Cooling Load Summary

By Trial
CECIS UNIDAD MERIDA
MERIDA, YUCATAN

System - UC IDF MERIDA

Zone - IDF PLANTA BAJA

Room - IDF PLANTA BAJA

Coil Location - Room

Coil Peak Calculation Time: May, hour 16
Ambient DB/WB/HR: 100 / 76 / 99

COOLING COIL LOAD INFORMATION

Load Component	Sensible Btu/h	Latent Btu/h	Total Btu/h	Percent of Total
Solar Gain	0		0	0.0%
Glass Transmission	0		0	0.0%
Wall Transmission	0		0	0.0%
Roof Transmission	1,619		1,619	11.9%
Floor Transmission	0		0	0.0%
Adj Floor Transmission	0		0.00	0.0%
Partition Transmission	1,038		1,038	7.6%
Net Ceiling Load	0		0	0.0%
Lighting	891		891	6.5%
People	0	0	0	0.0%
Misc. Equipment Loads	10,051	0	10,051	73.6%
Cooling Infiltration	0	0	0	0.0%
Sub-Total ==>	13,599	0	13,599	99.6%
Ventilation Load	0	0	0	0.0%
Exhaust Heat	0	0	0	0.0%
Supply Fan Load	58		58	0.4%
Return Fan Load	0		0	0.0%
Net Duct Heat Pickup	0		0	0.0%
Wall Load to Plenum	0		0	0.0%
Roof Load to Plenum	0		0	0.0%
Adj Floor to Plenum	0		0	0.0%
Lighting Load to Plenum	0		0	0.0%
Misc. Equip. Load to Plenum	0	0	0	0.0%
Glass Transmission to Plenum	0		0	0.0%
Glass Solar to Plenum	0		0	0.0%
Over/Under Sizing	0		0	0.0%
Reheat at Design	0	0	0	0.0%
Underfloor Sup Heat Pickup	0		0	0.0%
Supply Air Leakage	0	0	0	0.0%
Total Cooling Loads	13,657	0	13,657	100.0 %

COOLING COIL SELECTION

Coil Selection Parameters

Coil Entering Air (DB / WB)	75.1 / 61.1	°F
Coil Entering Humidity Ratio	58.57	gr/lb
Coil Leaving Air (DB / WB)	55.0 / 53.4	°F
Coil Leaving Humidity Ratio	58.47	gr/lb
Coil Sensible Load	13.66	MBh
Coil Total Load	13.66	MBh
Cooling Supply Air Temperature	55.00	°F
Total Cooling Airflow	612.05	cfm
Resulting Room Relative Humidity	45.00	%

General Engineering Checks

Total Cooling Load	1.1	ton
Area / Load	127.12	ft²/ton
Total Floor Area	145	ft²
Cooling Airflow	4.23	cfm/ft²
Airflow / Load	537.79	cfm/ton
Percent Outdoor Air	0.0	%
Cooling Load Methodology	CLTD-CLF (ASHRAE TFM)	

System Component Selection Summary

By Trial

Alternative 1

System Description: UGAR DELEGACION MERIDA

System Type: Variable Temperature Constant Volume

Number of Zones: 26

Number of Rooms: 26

Component	Sizing Method	Location	Quantity
Cooling			
Main Clg Coil	Peak	Zone	26
Primary Clg Fan	Peak	Zone	26
Heating			
Main Htg Coil	Peak	Zone	26
Miscellaneous			
System Exhaust Fan	Vent+Inf-RmExh	System	1
Return Fan	Return Airflow	System	1

Coil Location			Cooling Coil Selection											
				Time Of Peak	Total Capacity		Sensible Capacity	Airflow At Coil Peak	Enter DB/ WB/ HR			Leave DB/ WB/ HR		
System	Zone	Room	Component	Mo/Hr	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
	CC PLANTA BAJA		Main Clg Coil	5/16	0.6	7.6	6.3	251	77.0	63.8	67.8	54.5	53.7	60.5
	CO PLANTA BAJA		Main Clg Coil	6/16	4.3	52.1	43.5	1,778	76.7	63.7	67.9	54.5	53.9	61.4
	DE PLANTA BAJA		Main Clg Coil	9/16	1.5	18.4	17.3	754	75.4	62.9	66.1	54.5	54.4	63.5
	ET PLANTA BAJA		Main Clg Coil	5/15	25.5	305.8	283.5	11,597	76.5	63.3	66.2	54.5	54.4	63.4
	OFC-01 PLANTA BAJA		Main Clg Coil	1/17	1.2	14.3	13.5	581	75.4	62.8	65.7	54.5	54.4	63.5
	OFC-02 PLANTA BAJA		Main Clg Coil	1/17	1.1	13.4	12.6	540	75.4	62.8	65.8	54.5	54.4	63.5
	OFC-03 PLANTA BAJA		Main Clg Coil	1/17	1.1	13.4	12.6	540	75.4	62.8	65.8	54.5	54.4	63.5
	OFC-04 PLANTA BAJA		Main Clg Coil	1/17	1.1	13.4	12.6	540	75.4	62.8	65.8	54.5	54.4	63.5
	OFC-05 PLANTA BAJA		Main Clg Coil	1/17	1.1	13.4	12.6	540	75.4	62.8	65.8	54.5	54.4	63.5
	OFC-06 PLANTA BAJA		Main Clg Coil	1/17	1.1	13.4	12.6	540	75.4	62.8	65.8	54.5	54.4	63.5
	OFC-07 PLANTA BAJA		Main Clg Coil	1/17	1.1	13.4	12.6	540	75.4	62.8	65.8	54.5	54.4	63.5
	OFC-08 PLANTA BAJA		Main Clg Coil	1/17	1.2	14.2	13.3	574	75.4	62.8	65.7	54.5	54.4	63.5
	OFC-09 PLANTA BAJA		Main Clg Coil	1/17	1.2	14.2	13.3	574	75.4	62.8	65.7	54.5	54.4	63.5
	OFC-10 PLANTA BAJA		Main Clg Coil	1/17	1.1	13.4	12.6	540	75.4	62.8	65.8	54.5	54.4	63.5
	OFC-11 PLANTA BAJA		Main Clg Coil	1/17	1.1	13.4	12.6	540	75.4	62.8	65.8	54.5	54.4	63.5
	OFC-12 PLANTA BAJA		Main Clg Coil	1/17	1.1	13.4	12.6	540	75.4	62.8	65.8	54.5	54.4	63.5
	OFC-13 PLANTA BAJA		Main Clg Coil	1/17	1.1	13.4	12.6	540	75.4	62.8	65.8	54.5	54.4	63.5
	SE PLANTA BAJA		Main Clg Coil	6/15	4.5	54.0	45.5	1,804	77.2	63.8	67.8	54.5	53.8	61.1
	SJ-01 PLANTA BAJA		Main Clg Coil	6/16	2.2	25.9	21.8	890	76.6	63.7	67.8	54.5	53.9	61.4
	SJ-02 PLANTA BAJA		Main Clg Coil	6/16	2.5	29.7	24.9	1,014	76.6	63.7	67.9	54.5	53.9	61.3
	SJ-03 PLANTA BAJA		Main Clg Coil	6/16	0.6	7.7	6.4	258	76.8	63.8	68.2	54.5	53.8	60.9
	SJ-04 PLANTA BAJA		Main Clg Coil	6/16	0.6	7.7	6.4	258	76.8	63.8	68.2	54.5	53.8	60.9
	SJ-05 PLANTA BAJA		Main Clg Coil	6/16	2.2	25.9	21.8	890	76.6	63.7	67.8	54.5	53.9	61.4
	SL PLANTA BAJA		Main Clg Coil	1/17	1.0	12.5	11.7	501	75.4	62.8	65.8	54.5	54.4	63.4
	UM PLANTA BAJA		Main Clg Coil	6/16	3.3	39.7	29.5	1,131	78.2	64.7	70.4	54.6	53.0	57.8
	VU PLANTA BAJA		Main Clg Coil	5/16	0.7	8.5	7.9	332	75.8	63.0	66.2	54.5	54.4	63.4

System Component Selection Summary

By Trial

Coil Location			Heating Coil Selection				
System	Zone	Room	Component	Total Capacity MBh	Airflow cfm	Entering Dry Bulb °F	Leaving Dry Bulb °F
	CC PLANTA BAJA		Main Htg Coil	0.0	251	69.0	75.1
	CO PLANTA BAJA		Main Htg Coil	0.0	1,778	69.1	73.0
	DE PLANTA BAJA		Main Htg Coil	0.0	754	69.7	75.0
	ET PLANTA BAJA		Main Htg Coil	0.0	11,597	69.6	72.1
	OFC-01 PLANTA BAJA		Main Htg Coil	0.0	581	69.7	74.6
	OFC-02 PLANTA BAJA		Main Htg Coil	0.0	540	69.6	73.3
	OFC-03 PLANTA BAJA		Main Htg Coil	0.0	540	69.6	73.3
	OFC-04 PLANTA BAJA		Main Htg Coil	0.0	540	69.6	73.3
	OFC-05 PLANTA BAJA		Main Htg Coil	0.0	540	69.6	73.3
	OFC-06 PLANTA BAJA		Main Htg Coil	0.0	540	69.6	73.3
	OFC-07 PLANTA BAJA		Main Htg Coil	0.0	540	69.6	73.3
	OFC-08 PLANTA BAJA		Main Htg Coil	0.0	574	69.7	73.3
	OFC-09 PLANTA BAJA		Main Htg Coil	0.0	574	69.7	73.3
	OFC-10 PLANTA BAJA		Main Htg Coil	0.0	540	69.6	73.3
	OFC-11 PLANTA BAJA		Main Htg Coil	0.0	540	69.6	73.3
	OFC-12 PLANTA BAJA		Main Htg Coil	0.0	540	69.6	73.3
	OFC-13 PLANTA BAJA		Main Htg Coil	0.0	540	69.6	73.3
	SE PLANTA BAJA		Main Htg Coil	0.0	1,804	69.1	72.5
	SJ-01 PLANTA BAJA		Main Htg Coil	0.0	890	69.1	71.4
	SJ-02 PLANTA BAJA		Main Htg Coil	0.0	1,014	69.1	71.3
	SJ-03 PLANTA BAJA		Main Htg Coil	0.0	258	69.0	72.8
	SJ-04 PLANTA BAJA		Main Htg Coil	0.0	258	69.0	72.8
	SJ-05 PLANTA BAJA		Main Htg Coil	0.0	890	69.1	71.4
	SL PLANTA BAJA		Main Htg Coil	0.0	501	69.6	75.9
	UM PLANTA BAJA		Main Htg Coil	0.0	1,131	68.3	72.5
	VU PLANTA BAJA		Main Htg Coil	0.0	332	69.6	73.2

Component Location			Miscellaneous Component Selection							
				Design Airflow		Outside Air	SADB		Clg VAV Minimum	Htg VAV Maximum
System	Zone	Room	Component	cfm	Ach/hr	%	Clg °F	Htg °F	cfm	cfm
UGAR DELEGACION MERIDA			System Exhaust Fan	1,235						
UGAR DELEGACION MERIDA			Optional Vent Fan	1,235		100				
UGAR DELEGACION MERIDA			Return Fan	28,588						
	CC PLANTA BAJA		Primary Fan	251		8.0	55.0			
		CC PLANTA BAJA	Diffuser	251	8.7	8.0	55.0	75.0		
	CO PLANTA BAJA		Primary Fan	1,778		7.0	55.0			
		CO PLANTA BAJA	Diffuser	1,778	11.2	7.0	55.0	73.0		
	DE PLANTA BAJA		Primary Fan	754		2.0	55.0			
		DE PLANTA BAJA	Diffuser	754	11.2	2.0	55.0	75.0		
	ET PLANTA BAJA		Primary Fan	11,597		3.0	55.0			
		ET PLANTA BAJA	Diffuser	11,597	7.6	3.0	55.0	72.0		
	OFC-01 PLANTA BAJA		Primary Fan	581		2.6	55.0			
		OFC-01 PLANTA BAJA	Diffuser	581	20.1	2.6	55.0	75.0		

System Component Selection Summary

By Trial

Component Location			Miscellaneous Component Selection							
				Design Airflow		Outside Air	SADB		Clg VAV Minimum	Htg VAV Maximum
System	Zone	Room	Component	cfm	Ach/hr	%	Clg °F	Htg °F	cfm	cfm
	OFC-02 PLANTA BAJA		Primary Fan	540		2.8	55.0			
		OFC-02 PLANTA BAJA	Diffuser	540	18.7	2.8	55.0	73.0		
	OFC-03 PLANTA BAJA		Primary Fan	540		2.8	55.0			
		OFC-03 PLANTA BAJA	Diffuser	540	18.7	2.8	55.0	73.0		
	OFC-04 PLANTA BAJA		Primary Fan	540		2.8	55.0			
		OFC-04 PLANTA BAJA	Diffuser	540	18.7	2.8	55.0	73.0		
	OFC-05 PLANTA BAJA		Primary Fan	540		2.8	55.0			
		OFC-05 PLANTA BAJA	Diffuser	540	18.7	2.8	55.0	73.0		
	OFC-06 PLANTA BAJA		Primary Fan	540		2.8	55.0			
		OFC-06 PLANTA BAJA	Diffuser	540	18.7	2.8	55.0	73.0		
	OFC-07 PLANTA BAJA		Primary Fan	540		2.8	55.0			
		OFC-07 PLANTA BAJA	Diffuser	540	18.7	2.8	55.0	73.0		
	OFC-08 PLANTA BAJA		Primary Fan	574		2.6	55.0			
		OFC-08 PLANTA BAJA	Diffuser	574	14.9	2.6	55.0	73.0		
	OFC-09 PLANTA BAJA		Primary Fan	574		2.6	55.0			
		OFC-09 PLANTA BAJA	Diffuser	574	14.9	2.6	55.0	73.0		
	OFC-10 PLANTA BAJA		Primary Fan	540		2.8	55.0			
		OFC-10 PLANTA BAJA	Diffuser	540	18.7	2.8	55.0	73.0		
	OFC-11 PLANTA BAJA		Primary Fan	540		2.8	55.0			
		OFC-11 PLANTA BAJA	Diffuser	540	18.7	2.8	55.0	73.0		
	OFC-12 PLANTA BAJA		Primary Fan	540		2.8	55.0			
		OFC-12 PLANTA BAJA	Diffuser	540	18.7	2.8	55.0	73.0		
	OFC-13 PLANTA BAJA		Primary Fan	540		2.8	55.0			
		OFC-13 PLANTA BAJA	Diffuser	540	18.7	2.8	55.0	73.0		
	SE PLANTA BAJA		Primary Fan	1,804		6.9	55.0			
		SE PLANTA BAJA	Diffuser	1,804	10.3	6.9	55.0	73.0		
	SJ-01 PLANTA BAJA		Primary Fan	890		6.7	55.0			
		SJ-01 PLANTA BAJA	Diffuser	890	30.8	6.7	55.0	71.0		
	SJ-02 PLANTA BAJA		Primary Fan	1,014		6.9	55.0			
		SJ-02 PLANTA BAJA	Diffuser	1,014	35.1	6.9	55.0	71.0		
	SJ-03 PLANTA BAJA		Primary Fan	258		7.8	55.0			
		SJ-03 PLANTA BAJA	Diffuser	258	8.9	7.8	55.0	73.0		
	SJ-04 PLANTA BAJA		Primary Fan	258		7.8	55.0			
		SJ-04 PLANTA BAJA	Diffuser	258	8.9	7.8	55.0	73.0		
	SJ-05 PLANTA BAJA		Primary Fan	890		6.7	55.0			
		SJ-05 PLANTA BAJA	Diffuser	890	30.8	6.7	55.0	71.0		
	SL PLANTA BAJA		Primary Fan	501		3.0	55.0			

System Component Selection Summary

By Trial

Component Location			Miscellaneous Component Selection							
				Design Airflow		Outside Air	SADB		Clg VAV Minimum	Htg VAV Maximum
System	Zone	Room	Component	cfm	Ach/hr	%	Clg °F	Htg °F	cfm	cfm
		SL PLANTA BAJA	Diffuser	501	17.5	3.0	55.0	76.0		
	UM PLANTA BAJA		Primary Fan	1,131		13.3	55.0			
		UM PLANTA BAJA	Diffuser	1,131	13.1	13.3	55.0	72.0		
	VU PLANTA BAJA		Primary Fan	332		3.0	55.0			
		VU PLANTA BAJA	Diffuser	332	9.3	3.0	55.0	73.0		

System Description: CESIS UP

System Type: Variable Temperature Constant Volume

Number of Zones: 5

Number of Rooms: 5

Component	Sizing Method	Location	Quantity
Cooling			
Main Clg Coil	Peak	Zone	5
Primary Clg Fan	Peak	Zone	5
Heating			
Main Htg Coil	Peak	Zone	5
Miscellaneous			
System Exhaust Fan	Vent+Inf-RmExh	System	1
Return Fan	Return Airflow	System	1

Coil Location			Cooling Coil Selection											
				Time Of Peak	Total Capacity		Sensible Capacity	Airflow At Coil Peak	Enter DB/ WB/ HR			Leave DB/ WB/ HR		
System	Zone	Room	Component	Mo/Hr	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
	AVI + SE NIVEL ESTACIONAMIENTO		Main Clg Coil	5/15	21.6	259.0	220.1	7,812	77.4	61.9	58.2	52.0	50.1	51.0
	COMEDOR NIVEL ESTACIONAMIENTO		Main Clg Coil	6/16	0.7	8.2	6.1	208	78.4	64.2	67.5	52.0	50.7	53.2
	OFICINA 1 NIVEL ESTACIONAMIENTO		Main Clg Coil	1/17	1.2	14.0	13.0	498	75.5	59.6	51.3	52.0	49.4	48.3
	OFICINA 2 NIVEL ESTACIONAMIENTO		Main Clg Coil	6/16	0.7	8.2	7.1	264	76.4	61.2	56.8	52.0	50.0	50.7
	SALA DE JUNTAS 1 NIVEL ESTACIONAMIENTO		Main Clg Coil	6/16	4.0	48.2	40.7	1,494	76.6	61.6	58.2	52.0	50.1	51.1

Coil Location			Heating Coil Selection				
				Total Capacity	Airflow	Entering Dry Bulb	Leaving Dry Bulb
System	Zone	Room	Component	MBh	cfm	°F	°F
	AVI + SE NIVEL ESTACIONAMIENTO		Main Htg Coil	0.0	7,812	69.1	73.4
	COMEDOR NIVEL ESTACIONAMIENTO		Main Htg Coil	0.0	208	68.1	73.4
	OFICINA 1 NIVEL ESTACIONAMIENTO		Main Htg Coil	0.0	498	69.6	73.6
	OFICINA 2 NIVEL ESTACIONAMIENTO		Main Htg Coil	0.0	264	69.3	72.5
	SALA DE JUNTAS 1 NIVEL ESTACIONAMIENTO		Main Htg Coil	0.0	1,494	69.1	71.5

System Component Selection Summary

By Trial

Component Location			Miscellaneous Component Selection							
				Design Airflow		Outside Air	SADB		Clg VAV Minimum	Htg VAV Maximum
System	Zone	Room	Component	cfm	Ach/hr	%	Clg °F	Htg °F	cfm	cfm
CESIS UP			Return Fan	10,276						
CESIS UP			Optional Vent Fan	710		100				
CESIS UP			System Exhaust Fan	710						
	AVI + SE NIVEL ESTACIONAMIENTO		Primary Fan	7,812		7.0	53.0			
		AVI + SE NIVEL ESTACIONAMIENTO	Diffuser	7,812	8.7	7.0	53.0	73.0		
	COMEDOR NIVEL ESTACIONAMIENTO		Primary Fan	208		14.4	53.0			
		COMEDOR NIVEL ESTACIONAMIENTO	Diffuser	208	7.1	14.4	53.0	73.0		
	OFICINA 1 NIVEL ESTACIONAMIENTO		Primary Fan	498		3.0	53.0			
		OFICINA 1 NIVEL ESTACIONAMIENTO	Diffuser	498	16.2	3.0	53.0	74.0		
	OFICINA 2 NIVEL ESTACIONAMIENTO		Primary Fan	264		5.7	53.0			
		OFICINA 2 NIVEL ESTACIONAMIENTO	Diffuser	264	8.9	5.7	53.0	73.0		
	SALA DE JUNTAS 1 NIVEL ESTACIONAMIENTO		Primary Fan	1,494		6.7	53.0			
		SALA DE JUNTAS 1 NIVEL ESTACIONAMIENTO	Diffuser	1,494	17.1	6.7	53.0	72.0		

System Description: UC CE MERIDA

System Type: Fan Coil

Number of Zones: 1

Number of Rooms: 1

Component	Sizing Method	Location	Quantity
Cooling			
Main Clg Coil	Block	Room	1
Primary Clg Fan	Peak	Room	1
Heating			
Main Htg Coil	Peak	Room	1
Miscellaneous			
Return Fan	Return Airflow	System	1

Coil Location			Cooling Coil Selection											
				Time Of Peak	Total Capacity		Sensible Capacity	Airflow At Coil Peak	Enter DB/ WB/ HR			Leave DB/ WB/ HR		
System	Zone	Room	Component	Mo/Hr	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
		CE PLANTA BAJA	Main Clg Coil	5/16	1.4	16.9	16.9	756	75.1	61.1	58.6	55.0	53.4	58.5

Coil Location			Heating Coil Selection				
				Total Capacity	Airflow	Entering Dry Bulb	Leaving Dry Bulb
System	Zone	Room	Component	MBh	cfm	°F	°F
		CE PLANTA BAJA	Main Htg Coil	0.0	756	70.0	73.1

System Component Selection Summary

By Trial

Component Location			Miscellaneous Component Selection								
				Design Airflow		Outside Air	SADB		Clg VAV	Htg VAV	
System	Zone	Room	Component	cfm	Ach/hr	%	Clg °F	Htg °F	Minimum cfm	Maximum cfm	
UC CE MERIDA			Return Fan	756							
		CE PLANTA BAJA	Primary Fan	756	21.2	0.0	55.0				
		CE PLANTA BAJA	Diffuser	756	21.2	0.0	55.0	73.0			

System Description: UC IDF MERIDA

System Type: Fan Coil
Number of Zones: 1
Number of Rooms: 1

Component	Sizing Method	Location	Quantity
Cooling			
Main Clg Coil	Block	Room	1
Primary Clg Fan	Peak	Room	1
Heating			
Main Htg Coil	Peak	Room	1
Miscellaneous			
Return Fan	Return Airflow	System	1

Coil Location			Cooling Coil Selection											
				Time Of Peak	Total Capacity		Sensible Capacity	Airflow At Coil Peak	Enter DB/ WB/ HR			Leave DB/ WB/ HR		
System	Zone	Room	Component	Mo/Hr	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
		IDF PLANTA BAJA	Main Clg Coil	5/16	1.1	13.7	13.7	612	75.1	61.1	58.6	55.0	53.4	58.5

Coil Location			Heating Coil Selection				
				Total Capacity	Airflow	Entering Dry Bulb	Leaving Dry Bulb
System	Zone	Room	Component	MBh	cfm	°F	°F
		IDF PLANTA BAJA	Main Htg Coil	0.0	612	70.0	71.3

Component Location			Miscellaneous Component Selection								
				Design Airflow		Outside Air	SADB		Clg VAV	Htg VAV	
System	Zone	Room	Component	cfm	Ach/hr	%	Clg °F	Htg °F	Minimum cfm	Maximum cfm	
UC IDF MERIDA			Return Fan	612							
		IDF PLANTA BAJA	Primary Fan	612	20.6	0.0	55.0				
		IDF PLANTA BAJA	Diffuser	612	20.6	0.0	55.0	71.0			

ZONE PSYCHROMETRIC STATE POINTS

By Trial

AVI + SE NIVEL ESTACIONAMIENTO

	Dry Bulb °F	Wet Bulb °F	Relative Humidity %	Humidity Ratio gr/lb	Enthalpy Btu/lb	Temperature Difference °F
Space	75.0	60.4	42.5	55.2	26.6	
Main System						
Return Fan						0.0
Return Air	75.6	60.6	41.6	55.2	26.8	
Return Air Heat Pickup						0.6
Outdoor Air	100.5	76.2	33.2	97.7	39.5	
Entering OA preconditioning	100.5	76.2	33.2	97.7	39.5	
Leaving OA preconditioning	100.5	76.2	33.2	97.7	39.5	
Return/Outdoor Air Mix	77.4	61.9	41.4	58.2	27.7	
Blow Through Fan						0.0
Entering Coil	77.4	61.9	41.4	58.2	27.7	
Leaving Coil	52.0	50.3	89.1	51.6	20.5	
Draw Through Fan						0.3
Fan Frictional Heat						0.7
Supply Duct Heat Gain						0.0
Reheat Device						0.0
Cold Deck Supply Air	53.1	50.7	85.7	51.6	20.7	
Supply Air	53.1	50.7	85.7	51.6	20.7	

Percent Outside Air	7.04	
Sensible Heat Ratio (SHR)	0.89	%
Coil Airflow	7,812	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.

ZONE PSYCHROMETRIC STATE POINTS

By Trial

CC PLANTA BAJA

	Dry Bulb °F	Wet Bulb °F	Relative Humidity %	Humidity Ratio gr/lb	Enthalpy Btu/lb	Temperature Difference °F
Space	75.0	62.5	50.0	65.2	28.2	
Main System						
Return Fan						0.0
Return Air	75.0	62.5	50.0	65.2	28.2	
Return Air Heat Pickup						0.0
Outdoor Air	99.8	76.1	34.2	98.6	39.5	
Entering OA preconditioning	99.8	76.1	34.2	98.6	39.5	
Leaving OA preconditioning	99.8	76.1	34.2	98.6	39.5	
Return/Outdoor Air Mix	77.0	63.8	48.7	67.8	29.1	
Blow Through Fan						0.0
Entering Coil	77.0	63.8	48.7	67.8	29.1	
Leaving Coil	54.5	52.9	90.5	57.5	22.0	
Draw Through Fan						0.2
Fan Frictional Heat						0.4
Supply Duct Heat Gain						0.0
Reheat Device						0.0
Cold Deck Supply Air	55.0	53.1	88.8	57.5	22.1	
Supply Air	55.0	53.1	88.8	57.5	22.1	

Percent Outside Air	7.98	
Sensible Heat Ratio (SHR)	0.87	%
Coil Airflow	251	cfm

ZONE PSYCHROMETRIC STATE POINTS

By Trial

CO PLANTA BAJA

	Dry Bulb °F	Wet Bulb °F	Relative Humidity %	Humidity Ratio gr/lb	Enthalpy Btu/lb	Temperature Difference °F
Space	75.0	62.5	50.0	65.2	28.2	
Main System						
Return Fan						0.0
Return Air	75.0	62.5	50.0	65.2	28.2	
Return Air Heat Pickup						0.0
Outdoor Air	99.8	76.1	34.2	98.6	39.5	
Entering OA preconditioning	99.8	76.1	34.2	98.6	39.5	
Leaving OA preconditioning	99.8	76.1	34.2	98.6	39.5	
Return/Outdoor Air Mix	76.7	63.6	48.9	67.5	29.0	
Blow Through Fan						0.0
Entering Coil	76.7	63.6	48.9	67.5	29.0	
Leaving Coil	54.5	52.9	90.4	57.4	22.0	
Draw Through Fan						0.2
Fan Frictional Heat						0.4
Supply Duct Heat Gain						0.0
Reheat Device						0.0
Cold Deck Supply Air	55.0	53.1	88.7	57.4	22.1	
Supply Air	55.0	53.1	88.7	57.4	22.1	

Percent Outside Air	7.03	
Sensible Heat Ratio (SHR)	0.89	%
Coil Airflow	1,778	cfm

ZONE PSYCHROMETRIC STATE POINTS

By Trial

COMEDOR NIVEL ESTACIONAMIENTO

	Dry Bulb °F	Wet Bulb °F	Relative Humidity %	Humidity Ratio gr/lb	Enthalpy Btu/lb	Temperature Difference °F
Space	75.0	61.7	47.0	61.2	27.6	
Main System						
Return Fan						0.0
Return Air	75.0	61.7	47.0	61.2	27.6	
Return Air Heat Pickup						0.0
Outdoor Air	100.5	76.2	33.2	97.7	39.5	
Entering OA preconditioning	100.5	76.2	33.2	97.7	39.5	
Leaving OA preconditioning	100.5	76.2	33.2	97.7	39.5	
Return/Outdoor Air Mix	78.7	64.1	45.1	66.5	29.3	
Blow Through Fan						0.0
Entering Coil	78.7	64.1	45.1	66.5	29.3	
Leaving Coil	52.0	50.8	92.1	53.4	20.7	
Draw Through Fan						0.3
Fan Frictional Heat						0.7
Supply Duct Heat Gain						0.0
Reheat Device						0.0
Cold Deck Supply Air	53.1	51.2	88.5	53.4	21.0	
Supply Air	53.1	51.2	88.5	53.4	21.0	

Percent Outside Air	14.41	
Sensible Heat Ratio (SHR)	0.80	%
Coil Airflow	208	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.

ZONE PSYCHROMETRIC STATE POINTS

By Trial

DE PLANTA BAJA

	Dry Bulb °F	Wet Bulb °F	Relative Humidity %	Humidity Ratio gr/lb	Enthalpy Btu/lb	Temperature Difference °F
Space	75.0	62.5	50.0	65.2	28.2	
Main System						
Return Fan						0.0
Return Air	75.0	62.5	50.0	65.2	28.2	
Return Air Heat Pickup						0.0
Outdoor Air	89.8	71.4	40.9	86.5	35.2	
Entering OA preconditioning	89.8	71.4	40.9	86.5	35.2	
Leaving OA preconditioning	89.8	71.4	40.9	86.5	35.2	
Return/Outdoor Air Mix	75.3	62.7	49.8	65.6	28.3	
Blow Through Fan						0.0
Entering Coil	75.3	62.7	49.8	65.6	28.3	
Leaving Coil	54.5	52.8	89.8	57.0	21.9	
Draw Through Fan						0.2
Fan Frictional Heat						0.4
Supply Duct Heat Gain						0.0
Reheat Device						0.0
Cold Deck Supply Air	55.0	53.0	88.0	57.0	22.0	
Supply Air	55.0	53.0	88.0	57.0	22.0	

Percent Outside Air	1.99	
Sensible Heat Ratio (SHR)	0.96	%
Coil Airflow	754	cfm

ZONE PSYCHROMETRIC STATE POINTS

By Trial

ET PLANTA BAJA

	Dry Bulb °F	Wet Bulb °F	Relative Humidity %	Humidity Ratio gr/lb	Enthalpy Btu/lb	Temperature Difference °F
Space	75.0	62.5	50.0	65.2	28.2	
Main System						
Return Fan						0.0
Return Air	75.7	62.8	48.8	65.2	28.4	
Return Air Heat Pickup						0.7
Outdoor Air	100.5	76.2	33.2	97.7	39.5	
Entering OA preconditioning	100.5	76.2	33.2	97.7	39.5	
Leaving OA preconditioning	100.5	76.2	33.2	97.7	39.5	
Return/Outdoor Air Mix	76.5	63.3	48.3	66.2	28.7	
Blow Through Fan						0.0
Entering Coil	76.5	63.3	48.3	66.2	28.7	
Leaving Coil	54.5	52.8	89.9	57.1	21.9	
Draw Through Fan						0.2
Fan Frictional Heat						0.4
Supply Duct Heat Gain						0.0
Reheat Device						0.0
Cold Deck Supply Air	55.0	53.0	88.2	57.1	22.1	
Supply Air	55.0	53.0	88.2	57.1	22.1	

Percent Outside Air	3.02	
Sensible Heat Ratio (SHR)	0.95	%
Coil Airflow	11,597	cfm

ZONE PSYCHROMETRIC STATE POINTS

By Trial

OFC-01 PLANTA BAJA

	Dry Bulb °F	Wet Bulb °F	Relative Humidity %	Humidity Ratio gr/lb	Enthalpy Btu/lb	Temperature Difference °F
Space	75.0	62.5	50.0	65.2	28.2	
Main System						
Return Fan						0.0
Return Air	75.0	62.5	50.0	65.2	28.2	
Return Air Heat Pickup						0.0
Outdoor Air	89.8	71.4	40.9	86.5	35.2	
Entering OA preconditioning	89.8	71.4	40.9	86.5	35.2	
Leaving OA preconditioning	89.8	71.4	40.9	86.5	35.2	
Return/Outdoor Air Mix	75.4	62.8	49.8	65.7	28.4	
Blow Through Fan						0.0
Entering Coil	75.4	62.8	49.8	65.7	28.4	
Leaving Coil	54.5	52.8	89.8	57.0	21.9	
Draw Through Fan						0.2
Fan Frictional Heat						0.4
Supply Duct Heat Gain						0.0
Reheat Device						0.0
Cold Deck Supply Air	55.0	53.0	88.1	57.0	22.0	
Supply Air	55.0	53.0	88.1	57.0	22.0	

Percent Outside Air	2.58	
Sensible Heat Ratio (SHR)	0.95	%
Coil Airflow	581	cfm

ZONE PSYCHROMETRIC STATE POINTS

By Trial

OFC-02 PLANTA BAJA

	Dry Bulb °F	Wet Bulb °F	Relative Humidity %	Humidity Ratio gr/lb	Enthalpy Btu/lb	Temperature Difference °F
Space	75.0	62.5	50.0	65.2	28.2	
Main System						
Return Fan						0.0
Return Air	75.0	62.5	50.0	65.2	28.2	
Return Air Heat Pickup						0.0
Outdoor Air	89.8	71.4	40.9	86.5	35.2	
Entering OA preconditioning	89.8	71.4	40.9	86.5	35.2	
Leaving OA preconditioning	89.8	71.4	40.9	86.5	35.2	
Return/Outdoor Air Mix	75.4	62.8	49.8	65.8	28.4	
Blow Through Fan						0.0
Entering Coil	75.4	62.8	49.8	65.8	28.4	
Leaving Coil	54.5	52.8	89.8	57.1	21.9	
Draw Through Fan						0.2
Fan Frictional Heat						0.4
Supply Duct Heat Gain						0.0
Reheat Device						0.0
Cold Deck Supply Air	55.0	53.0	88.1	57.1	22.0	
Supply Air	55.0	53.0	88.1	57.1	22.0	

Percent Outside Air	2.78	
Sensible Heat Ratio (SHR)	0.95	%
Coil Airflow	540	cfm

ZONE PSYCHROMETRIC STATE POINTS

By Trial

OFC-03 PLANTA BAJA

	Dry Bulb °F	Wet Bulb °F	Relative Humidity %	Humidity Ratio gr/lb	Enthalpy Btu/lb	Temperature Difference °F
Space	75.0	62.5	50.0	65.2	28.2	
Main System						
Return Fan						0.0
Return Air	75.0	62.5	50.0	65.2	28.2	
Return Air Heat Pickup						0.0
Outdoor Air	89.8	71.4	40.9	86.5	35.2	
Entering OA preconditioning	89.8	71.4	40.9	86.5	35.2	
Leaving OA preconditioning	89.8	71.4	40.9	86.5	35.2	
Return/Outdoor Air Mix	75.4	62.8	49.8	65.8	28.4	
Blow Through Fan						0.0
Entering Coil	75.4	62.8	49.8	65.8	28.4	
Leaving Coil	54.5	52.8	89.8	57.1	21.9	
Draw Through Fan						0.2
Fan Frictional Heat						0.4
Supply Duct Heat Gain						0.0
Reheat Device						0.0
Cold Deck Supply Air	55.0	53.0	88.1	57.1	22.0	
Supply Air	55.0	53.0	88.1	57.1	22.0	

Percent Outside Air	2.78	
Sensible Heat Ratio (SHR)	0.95	%
Coil Airflow	540	cfm

ZONE PSYCHROMETRIC STATE POINTS

By Trial

OFC-04 PLANTA BAJA

	Dry Bulb °F	Wet Bulb °F	Relative Humidity %	Humidity Ratio gr/lb	Enthalpy Btu/lb	Temperature Difference °F
Space	75.0	62.5	50.0	65.2	28.2	
Main System						
Return Fan						0.0
Return Air	75.0	62.5	50.0	65.2	28.2	
Return Air Heat Pickup						0.0
Outdoor Air	89.8	71.4	40.9	86.5	35.2	
Entering OA preconditioning	89.8	71.4	40.9	86.5	35.2	
Leaving OA preconditioning	89.8	71.4	40.9	86.5	35.2	
Return/Outdoor Air Mix	75.4	62.8	49.8	65.8	28.4	
Blow Through Fan						0.0
Entering Coil	75.4	62.8	49.8	65.8	28.4	
Leaving Coil	54.5	52.8	89.8	57.1	21.9	
Draw Through Fan						0.2
Fan Frictional Heat						0.4
Supply Duct Heat Gain						0.0
Reheat Device						0.0
Cold Deck Supply Air	55.0	53.0	88.1	57.1	22.0	
Supply Air	55.0	53.0	88.1	57.1	22.0	

Percent Outside Air	2.78	
Sensible Heat Ratio (SHR)	0.95	%
Coil Airflow	540	cfm

ZONE PSYCHROMETRIC STATE POINTS

By Trial

OFC-05 PLANTA BAJA

	Dry Bulb °F	Wet Bulb °F	Relative Humidity %	Humidity Ratio gr/lb	Enthalpy Btu/lb	Temperature Difference °F
Space	75.0	62.5	50.0	65.2	28.2	
Main System						
Return Fan						0.0
Return Air	75.0	62.5	50.0	65.2	28.2	
Return Air Heat Pickup						0.0
Outdoor Air	89.8	71.4	40.9	86.5	35.2	
Entering OA preconditioning	89.8	71.4	40.9	86.5	35.2	
Leaving OA preconditioning	89.8	71.4	40.9	86.5	35.2	
Return/Outdoor Air Mix	75.4	62.8	49.8	65.8	28.4	
Blow Through Fan						0.0
Entering Coil	75.4	62.8	49.8	65.8	28.4	
Leaving Coil	54.5	52.8	89.8	57.1	21.9	
Draw Through Fan						0.2
Fan Frictional Heat						0.4
Supply Duct Heat Gain						0.0
Reheat Device						0.0
Cold Deck Supply Air	55.0	53.0	88.1	57.1	22.0	
Supply Air	55.0	53.0	88.1	57.1	22.0	

Percent Outside Air	2.78	
Sensible Heat Ratio (SHR)	0.95	%
Coil Airflow	540	cfm

ZONE PSYCHROMETRIC STATE POINTS

By Trial

OFC-06 PLANTA BAJA

	Dry Bulb °F	Wet Bulb °F	Relative Humidity %	Humidity Ratio gr/lb	Enthalpy Btu/lb	Temperature Difference °F
Space	75.0	62.5	50.0	65.2	28.2	
Main System						
Return Fan						0.0
Return Air	75.0	62.5	50.0	65.2	28.2	
Return Air Heat Pickup						0.0
Outdoor Air	89.8	71.4	40.9	86.5	35.2	
Entering OA preconditioning	89.8	71.4	40.9	86.5	35.2	
Leaving OA preconditioning	89.8	71.4	40.9	86.5	35.2	
Return/Outdoor Air Mix	75.4	62.8	49.8	65.8	28.4	
Blow Through Fan						0.0
Entering Coil	75.4	62.8	49.8	65.8	28.4	
Leaving Coil	54.5	52.8	89.8	57.1	21.9	
Draw Through Fan						0.2
Fan Frictional Heat						0.4
Supply Duct Heat Gain						0.0
Reheat Device						0.0
Cold Deck Supply Air	55.0	53.0	88.1	57.1	22.0	
Supply Air	55.0	53.0	88.1	57.1	22.0	

Percent Outside Air	2.78	
Sensible Heat Ratio (SHR)	0.95	%
Coil Airflow	540	cfm

ZONE PSYCHROMETRIC STATE POINTS

By Trial

OFC-07 PLANTA BAJA

	Dry Bulb °F	Wet Bulb °F	Relative Humidity %	Humidity Ratio gr/lb	Enthalpy Btu/lb	Temperature Difference °F
Space	75.0	62.5	50.0	65.2	28.2	
Main System						
Return Fan						0.0
Return Air	75.0	62.5	50.0	65.2	28.2	
Return Air Heat Pickup						0.0
Outdoor Air	89.8	71.4	40.9	86.5	35.2	
Entering OA preconditioning	89.8	71.4	40.9	86.5	35.2	
Leaving OA preconditioning	89.8	71.4	40.9	86.5	35.2	
Return/Outdoor Air Mix	75.4	62.8	49.8	65.8	28.4	
Blow Through Fan						0.0
Entering Coil	75.4	62.8	49.8	65.8	28.4	
Leaving Coil	54.5	52.8	89.8	57.1	21.9	
Draw Through Fan						0.2
Fan Frictional Heat						0.4
Supply Duct Heat Gain						0.0
Reheat Device						0.0
Cold Deck Supply Air	55.0	53.0	88.1	57.1	22.0	
Supply Air	55.0	53.0	88.1	57.1	22.0	

Percent Outside Air	2.78	
Sensible Heat Ratio (SHR)	0.95	%
Coil Airflow	540	cfm

ZONE PSYCHROMETRIC STATE POINTS

By Trial

OFC-08 PLANTA BAJA

	Dry Bulb °F	Wet Bulb °F	Relative Humidity %	Humidity Ratio gr/lb	Enthalpy Btu/lb	Temperature Difference °F
Space	75.0	62.5	50.0	65.2	28.2	
Main System						
Return Fan						0.0
Return Air	75.0	62.5	50.0	65.2	28.2	
Return Air Heat Pickup						0.0
Outdoor Air	89.8	71.4	40.9	86.5	35.2	
Entering OA preconditioning	89.8	71.4	40.9	86.5	35.2	
Leaving OA preconditioning	89.8	71.4	40.9	86.5	35.2	
Return/Outdoor Air Mix	75.4	62.8	49.8	65.7	28.4	
Blow Through Fan						0.0
Entering Coil	75.4	62.8	49.8	65.7	28.4	
Leaving Coil	54.5	52.8	89.8	57.0	21.9	
Draw Through Fan						0.2
Fan Frictional Heat						0.4
Supply Duct Heat Gain						0.0
Reheat Device						0.0
Cold Deck Supply Air	55.0	53.0	88.1	57.0	22.0	
Supply Air	55.0	53.0	88.1	57.0	22.0	

Percent Outside Air	2.62	
Sensible Heat Ratio (SHR)	0.95	%
Coil Airflow	574	cfm

ZONE PSYCHROMETRIC STATE POINTS

By Trial

OFC-09 PLANTA BAJA

	Dry Bulb °F	Wet Bulb °F	Relative Humidity %	Humidity Ratio gr/lb	Enthalpy Btu/lb	Temperature Difference °F
Space	75.0	62.5	50.0	65.2	28.2	
Main System						
Return Fan						0.0
Return Air	75.0	62.5	50.0	65.2	28.2	
Return Air Heat Pickup						0.0
Outdoor Air	89.8	71.4	40.9	86.5	35.2	
Entering OA preconditioning	89.8	71.4	40.9	86.5	35.2	
Leaving OA preconditioning	89.8	71.4	40.9	86.5	35.2	
Return/Outdoor Air Mix	75.4	62.8	49.8	65.7	28.4	
Blow Through Fan						0.0
Entering Coil	75.4	62.8	49.8	65.7	28.4	
Leaving Coil	54.5	52.8	89.8	57.0	21.9	
Draw Through Fan						0.2
Fan Frictional Heat						0.4
Supply Duct Heat Gain						0.0
Reheat Device						0.0
Cold Deck Supply Air	55.0	53.0	88.1	57.0	22.0	
Supply Air	55.0	53.0	88.1	57.0	22.0	

Percent Outside Air	2.62	
Sensible Heat Ratio (SHR)	0.95	%
Coil Airflow	574	cfm

ZONE PSYCHROMETRIC STATE POINTS

By Trial

OFC-10 PLANTA BAJA

	Dry Bulb °F	Wet Bulb °F	Relative Humidity %	Humidity Ratio gr/lb	Enthalpy Btu/lb	Temperature Difference °F
Space	75.0	62.5	50.0	65.2	28.2	
Main System						
Return Fan						0.0
Return Air	75.0	62.5	50.0	65.2	28.2	
Return Air Heat Pickup						0.0
Outdoor Air	89.8	71.4	40.9	86.5	35.2	
Entering OA preconditioning	89.8	71.4	40.9	86.5	35.2	
Leaving OA preconditioning	89.8	71.4	40.9	86.5	35.2	
Return/Outdoor Air Mix	75.4	62.8	49.8	65.8	28.4	
Blow Through Fan						0.0
Entering Coil	75.4	62.8	49.8	65.8	28.4	
Leaving Coil	54.5	52.8	89.8	57.1	21.9	
Draw Through Fan						0.2
Fan Frictional Heat						0.4
Supply Duct Heat Gain						0.0
Reheat Device						0.0
Cold Deck Supply Air	55.0	53.0	88.1	57.1	22.0	
Supply Air	55.0	53.0	88.1	57.1	22.0	

Percent Outside Air	2.78	
Sensible Heat Ratio (SHR)	0.95	%
Coil Airflow	540	cfm

ZONE PSYCHROMETRIC STATE POINTS

By Trial

OFC-11 PLANTA BAJA

	Dry Bulb °F	Wet Bulb °F	Relative Humidity %	Humidity Ratio gr/lb	Enthalpy Btu/lb	Temperature Difference °F
Space	75.0	62.5	50.0	65.2	28.2	
Main System						
Return Fan						0.0
Return Air	75.0	62.5	50.0	65.2	28.2	
Return Air Heat Pickup						0.0
Outdoor Air	89.8	71.4	40.9	86.5	35.2	
Entering OA preconditioning	89.8	71.4	40.9	86.5	35.2	
Leaving OA preconditioning	89.8	71.4	40.9	86.5	35.2	
Return/Outdoor Air Mix	75.4	62.8	49.8	65.8	28.4	
Blow Through Fan						0.0
Entering Coil	75.4	62.8	49.8	65.8	28.4	
Leaving Coil	54.5	52.8	89.8	57.1	21.9	
Draw Through Fan						0.2
Fan Frictional Heat						0.4
Supply Duct Heat Gain						0.0
Reheat Device						0.0
Cold Deck Supply Air	55.0	53.0	88.1	57.1	22.0	
Supply Air	55.0	53.0	88.1	57.1	22.0	

Percent Outside Air	2.78	
Sensible Heat Ratio (SHR)	0.95	%
Coil Airflow	540	cfm

ZONE PSYCHROMETRIC STATE POINTS

By Trial

OFC-12 PLANTA BAJA

	Dry Bulb °F	Wet Bulb °F	Relative Humidity %	Humidity Ratio gr/lb	Enthalpy Btu/lb	Temperature Difference °F
Space	75.0	62.5	50.0	65.2	28.2	
Main System						
Return Fan						0.0
Return Air	75.0	62.5	50.0	65.2	28.2	
Return Air Heat Pickup						0.0
Outdoor Air	89.8	71.4	40.9	86.5	35.2	
Entering OA preconditioning	89.8	71.4	40.9	86.5	35.2	
Leaving OA preconditioning	89.8	71.4	40.9	86.5	35.2	
Return/Outdoor Air Mix	75.4	62.8	49.8	65.8	28.4	
Blow Through Fan						0.0
Entering Coil	75.4	62.8	49.8	65.8	28.4	
Leaving Coil	54.5	52.8	89.8	57.1	21.9	
Draw Through Fan						0.2
Fan Frictional Heat						0.4
Supply Duct Heat Gain						0.0
Reheat Device						0.0
Cold Deck Supply Air	55.0	53.0	88.1	57.1	22.0	
Supply Air	55.0	53.0	88.1	57.1	22.0	

Percent Outside Air	2.78	
Sensible Heat Ratio (SHR)	0.95	%
Coil Airflow	540	cfm

ZONE PSYCHROMETRIC STATE POINTS

By Trial

OFC-13 PLANTA BAJA

	Dry Bulb °F	Wet Bulb °F	Relative Humidity %	Humidity Ratio gr/lb	Enthalpy Btu/lb	Temperature Difference °F
Space	75.0	62.5	50.0	65.2	28.2	
Main System						
Return Fan						0.0
Return Air	75.0	62.5	50.0	65.2	28.2	
Return Air Heat Pickup						0.0
Outdoor Air	89.8	71.4	40.9	86.5	35.2	
Entering OA preconditioning	89.8	71.4	40.9	86.5	35.2	
Leaving OA preconditioning	89.8	71.4	40.9	86.5	35.2	
Return/Outdoor Air Mix	75.4	62.8	49.8	65.8	28.4	
Blow Through Fan						0.0
Entering Coil	75.4	62.8	49.8	65.8	28.4	
Leaving Coil	54.5	52.8	89.8	57.1	21.9	
Draw Through Fan						0.2
Fan Frictional Heat						0.4
Supply Duct Heat Gain						0.0
Reheat Device						0.0
Cold Deck Supply Air	55.0	53.0	88.1	57.1	22.0	
Supply Air	55.0	53.0	88.1	57.1	22.0	

Percent Outside Air	2.78	
Sensible Heat Ratio (SHR)	0.95	%
Coil Airflow	540	cfm

ZONE PSYCHROMETRIC STATE POINTS

By Trial

OFICINA 1 NIVEL ESTACIONAMIENTO

	Dry Bulb °F	Wet Bulb °F	Relative Humidity %	Humidity Ratio gr/lb	Enthalpy Btu/lb	Temperature Difference °F
Space	75.0	59.2	38.7	50.2	25.9	
Main System						
Return Fan						0.0
Return Air	75.0	59.2	38.7	50.2	25.9	
Return Air Heat Pickup						0.0
Outdoor Air	89.8	71.4	40.9	86.5	35.2	
Entering OA preconditioning	89.8	71.4	40.9	86.5	35.2	
Leaving OA preconditioning	89.8	71.4	40.9	86.5	35.2	
Return/Outdoor Air Mix	75.4	59.6	38.9	51.3	26.1	
Blow Through Fan						0.0
Entering Coil	75.4	59.6	38.9	51.3	26.1	
Leaving Coil	52.0	49.5	84.5	48.9	20.1	
Draw Through Fan						0.3
Fan Frictional Heat						0.7
Supply Duct Heat Gain						0.0
Reheat Device						0.0
Cold Deck Supply Air	53.1	50.0	81.2	48.9	20.3	
Supply Air	53.1	50.0	81.2	48.9	20.3	

Percent Outside Air	3.01	
Sensible Heat Ratio (SHR)	0.95	%
Coil Airflow	498	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.

ZONE PSYCHROMETRIC STATE POINTS

By Trial

OFICINA 2 NIVEL ESTACIONAMIENTO

	Dry Bulb °F	Wet Bulb °F	Relative Humidity %	Humidity Ratio gr/lb	Enthalpy Btu/lb	Temperature Difference °F
Space	75.0	60.0	41.4	53.9	26.4	
Main System						
Return Fan						0.0
Return Air	75.0	60.0	41.4	53.9	26.4	
Return Air Heat Pickup						0.0
Outdoor Air	99.8	76.1	34.2	98.6	39.5	
Entering OA preconditioning	99.8	76.1	34.2	98.6	39.5	
Leaving OA preconditioning	99.8	76.1	34.2	98.6	39.5	
Return/Outdoor Air Mix	76.4	61.1	41.4	56.4	27.2	
Blow Through Fan						0.0
Entering Coil	76.4	61.1	41.4	56.4	27.2	
Leaving Coil	52.0	50.1	88.1	51.0	20.4	
Draw Through Fan						0.3
Fan Frictional Heat						0.7
Supply Duct Heat Gain						0.0
Reheat Device						0.0
Cold Deck Supply Air	53.1	50.6	84.7	51.0	20.6	
Supply Air	53.1	50.6	84.7	51.0	20.6	

Percent Outside Air	5.69	
Sensible Heat Ratio (SHR)	0.91	%
Coil Airflow	264	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.

ZONE PSYCHROMETRIC STATE POINTS

By Trial

SALA DE JUNTAS 1 NIVEL ESTACIONAMIENTO

	Dry Bulb °F	Wet Bulb °F	Relative Humidity %	Humidity Ratio gr/lb	Enthalpy Btu/lb	Temperature Difference °F
Space	75.0	60.3	42.2	54.9	26.6	
Main System						
Return Fan						0.0
Return Air	75.0	60.3	42.2	54.9	26.6	
Return Air Heat Pickup						0.0
Outdoor Air	99.8	76.1	34.2	98.6	39.5	
Entering OA preconditioning	99.8	76.1	34.2	98.6	39.5	
Leaving OA preconditioning	99.8	76.1	34.2	98.6	39.5	
Return/Outdoor Air Mix	76.7	61.5	42.1	57.8	27.4	
Blow Through Fan						0.0
Entering Coil	76.7	61.5	42.1	57.8	27.4	
Leaving Coil	52.0	50.2	88.9	51.5	20.5	
Draw Through Fan						0.3
Fan Frictional Heat						0.7
Supply Duct Heat Gain						0.0
Reheat Device						0.0
Cold Deck Supply Air	53.1	50.7	85.5	51.5	20.7	
Supply Air	53.1	50.7	85.5	51.5	20.7	

Percent Outside Air	6.69	
Sensible Heat Ratio (SHR)	0.90	%
Coil Airflow	1,494	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.

ZONE PSYCHROMETRIC STATE POINTS

By Trial

SE PLANTA BAJA

	Dry Bulb °F	Wet Bulb °F	Relative Humidity %	Humidity Ratio gr/lb	Enthalpy Btu/lb	Temperature Difference °F
Space	75.0	62.5	50.0	65.2	28.2	
Main System						
Return Fan						0.0
Return Air	75.5	62.7	49.1	65.2	28.3	
Return Air Heat Pickup						0.5
Outdoor Air	99.4	76.7	36.1	103.0	40.1	
Entering OA preconditioning	99.4	76.7	36.1	103.0	40.1	
Leaving OA preconditioning	99.4	76.7	36.1	103.0	40.1	
Return/Outdoor Air Mix	77.2	63.8	48.3	67.8	29.1	
Blow Through Fan						0.0
Entering Coil	77.2	63.8	48.3	67.8	29.1	
Leaving Coil	54.5	52.9	90.5	57.5	22.0	
Draw Through Fan						0.2
Fan Frictional Heat						0.4
Supply Duct Heat Gain						0.0
Reheat Device						0.0
Cold Deck Supply Air	55.0	53.1	88.7	57.5	22.1	
Supply Air	55.0	53.1	88.7	57.5	22.1	

Percent Outside Air	6.93	
Sensible Heat Ratio (SHR)	0.89	%
Coil Airflow	1,804	cfm

ZONE PSYCHROMETRIC STATE POINTS

By Trial

SJ-01 PLANTA BAJA

	Dry Bulb °F	Wet Bulb °F	Relative Humidity %	Humidity Ratio gr/lb	Enthalpy Btu/lb	Temperature Difference °F
Space	75.0	62.5	50.0	65.2	28.2	
Main System						
Return Fan						0.0
Return Air	75.0	62.5	50.0	65.2	28.2	
Return Air Heat Pickup						0.0
Outdoor Air	99.8	76.1	34.2	98.6	39.5	
Entering OA preconditioning	99.8	76.1	34.2	98.6	39.5	
Leaving OA preconditioning	99.8	76.1	34.2	98.6	39.5	
Return/Outdoor Air Mix	76.7	63.6	48.9	67.4	28.9	
Blow Through Fan						0.0
Entering Coil	76.7	63.6	48.9	67.4	28.9	
Leaving Coil	54.5	52.9	90.4	57.4	22.0	
Draw Through Fan						0.2
Fan Frictional Heat						0.4
Supply Duct Heat Gain						0.0
Reheat Device						0.0
Cold Deck Supply Air	55.0	53.1	88.6	57.4	22.1	
Supply Air	55.0	53.1	88.6	57.4	22.1	

Percent Outside Air	6.74	
Sensible Heat Ratio (SHR)	0.89	%
Coil Airflow	890	cfm

ZONE PSYCHROMETRIC STATE POINTS

By Trial

SJ-02 PLANTA BAJA

	Dry Bulb °F	Wet Bulb °F	Relative Humidity %	Humidity Ratio gr/lb	Enthalpy Btu/lb	Temperature Difference °F
Space	75.0	62.5	50.0	65.2	28.2	
Main System						
Return Fan						0.0
Return Air	75.0	62.5	50.0	65.2	28.2	
Return Air Heat Pickup						0.0
Outdoor Air	98.2	76.1	36.7	101.0	39.5	
Entering OA preconditioning	98.2	76.1	36.7	101.0	39.5	
Leaving OA preconditioning	98.2	76.1	36.7	101.0	39.5	
Return/Outdoor Air Mix	76.6	63.6	49.2	67.6	29.0	
Blow Through Fan						0.0
Entering Coil	76.6	63.6	49.2	67.6	29.0	
Leaving Coil	54.5	52.9	90.4	57.5	22.0	
Draw Through Fan						0.2
Fan Frictional Heat						0.4
Supply Duct Heat Gain						0.0
Reheat Device						0.0
Cold Deck Supply Air	55.0	53.1	88.7	57.5	22.1	
Supply Air	55.0	53.1	88.7	57.5	22.1	

Percent Outside Air	6.90	
Sensible Heat Ratio (SHR)	0.89	%
Coil Airflow	1,014	cfm

ZONE PSYCHROMETRIC STATE POINTS

By Trial

SJ-03 PLANTA BAJA

	Dry Bulb °F	Wet Bulb °F	Relative Humidity %	Humidity Ratio gr/lb	Enthalpy Btu/lb	Temperature Difference °F
Space	75.0	62.5	50.0	65.2	28.2	
Main System						
Return Fan						0.0
Return Air	75.0	62.5	50.0	65.2	28.2	
Return Air Heat Pickup						0.0
Outdoor Air	99.8	76.1	34.2	98.6	39.5	
Entering OA preconditioning	99.8	76.1	34.2	98.6	39.5	
Leaving OA preconditioning	99.8	76.1	34.2	98.6	39.5	
Return/Outdoor Air Mix	76.9	63.7	48.7	67.8	29.1	
Blow Through Fan						0.0
Entering Coil	76.9	63.7	48.7	67.8	29.1	
Leaving Coil	54.5	52.9	90.5	57.5	22.0	
Draw Through Fan						0.2
Fan Frictional Heat						0.4
Supply Duct Heat Gain						0.0
Reheat Device						0.0
Cold Deck Supply Air	55.0	53.1	88.7	57.5	22.1	
Supply Air	55.0	53.1	88.7	57.5	22.1	

Percent Outside Air	7.75	
Sensible Heat Ratio (SHR)	0.87	%
Coil Airflow	258	cfm

ZONE PSYCHROMETRIC STATE POINTS

By Trial

SJ-04 PLANTA BAJA

	Dry Bulb °F	Wet Bulb °F	Relative Humidity %	Humidity Ratio gr/lb	Enthalpy Btu/lb	Temperature Difference °F
Space	75.0	62.5	50.0	65.2	28.2	
Main System						
Return Fan						0.0
Return Air	75.0	62.5	50.0	65.2	28.2	
Return Air Heat Pickup						0.0
Outdoor Air	99.8	76.1	34.2	98.6	39.5	
Entering OA preconditioning	99.8	76.1	34.2	98.6	39.5	
Leaving OA preconditioning	99.8	76.1	34.2	98.6	39.5	
Return/Outdoor Air Mix	76.9	63.7	48.7	67.8	29.1	
Blow Through Fan						0.0
Entering Coil	76.9	63.7	48.7	67.8	29.1	
Leaving Coil	54.5	52.9	90.5	57.5	22.0	
Draw Through Fan						0.2
Fan Frictional Heat						0.4
Supply Duct Heat Gain						0.0
Reheat Device						0.0
Cold Deck Supply Air	55.0	53.1	88.7	57.5	22.1	
Supply Air	55.0	53.1	88.7	57.5	22.1	

Percent Outside Air	7.75	
Sensible Heat Ratio (SHR)	0.87	%
Coil Airflow	258	cfm

ZONE PSYCHROMETRIC STATE POINTS

By Trial

SJ-05 PLANTA BAJA

	Dry Bulb °F	Wet Bulb °F	Relative Humidity %	Humidity Ratio gr/lb	Enthalpy Btu/lb	Temperature Difference °F
Space	75.0	62.5	50.0	65.2	28.2	
Main System						
Return Fan						0.0
Return Air	75.0	62.5	50.0	65.2	28.2	
Return Air Heat Pickup						0.0
Outdoor Air	99.8	76.1	34.2	98.6	39.5	
Entering OA preconditioning	99.8	76.1	34.2	98.6	39.5	
Leaving OA preconditioning	99.8	76.1	34.2	98.6	39.5	
Return/Outdoor Air Mix	76.7	63.6	48.9	67.4	28.9	
Blow Through Fan						0.0
Entering Coil	76.7	63.6	48.9	67.4	28.9	
Leaving Coil	54.5	52.9	90.4	57.4	22.0	
Draw Through Fan						0.2
Fan Frictional Heat						0.4
Supply Duct Heat Gain						0.0
Reheat Device						0.0
Cold Deck Supply Air	55.0	53.1	88.6	57.4	22.1	
Supply Air	55.0	53.1	88.6	57.4	22.1	

Percent Outside Air	6.74	
Sensible Heat Ratio (SHR)	0.89	%
Coil Airflow	890	cfm

ZONE PSYCHROMETRIC STATE POINTS

By Trial

SL PLANTA BAJA

	Dry Bulb °F	Wet Bulb °F	Relative Humidity %	Humidity Ratio gr/lb	Enthalpy Btu/lb	Temperature Difference °F
Space	75.0	62.5	50.0	65.2	28.2	
Main System						
Return Fan						0.0
Return Air	75.0	62.5	50.0	65.2	28.2	
Return Air Heat Pickup						0.0
Outdoor Air	89.8	71.4	40.9	86.5	35.2	
Entering OA preconditioning	89.8	71.4	40.9	86.5	35.2	
Leaving OA preconditioning	89.8	71.4	40.9	86.5	35.2	
Return/Outdoor Air Mix	75.4	62.8	49.7	65.8	28.4	
Blow Through Fan						0.0
Entering Coil	75.4	62.8	49.7	65.8	28.4	
Leaving Coil	54.5	52.8	89.8	57.1	21.9	
Draw Through Fan						0.2
Fan Frictional Heat						0.4
Supply Duct Heat Gain						0.0
Reheat Device						0.0
Cold Deck Supply Air	55.0	53.0	88.1	57.1	22.0	
Supply Air	55.0	53.0	88.1	57.1	22.0	

Percent Outside Air	3.00	
Sensible Heat Ratio (SHR)	0.95	%
Coil Airflow	501	cfm

ZONE PSYCHROMETRIC STATE POINTS

By Trial

UM PLANTA BAJA

	Dry Bulb °F	Wet Bulb °F	Relative Humidity %	Humidity Ratio gr/lb	Enthalpy Btu/lb	Temperature Difference °F
Space	75.0	62.5	50.0	65.2	28.2	
Main System						
Return Fan						0.0
Return Air	75.0	62.5	50.0	65.2	28.2	
Return Air Heat Pickup						0.0
Outdoor Air	99.8	76.1	34.2	98.6	39.5	
Entering OA preconditioning	99.8	76.1	34.2	98.6	39.5	
Leaving OA preconditioning	99.8	76.1	34.2	98.6	39.5	
Return/Outdoor Air Mix	78.3	64.6	47.9	69.6	29.7	
Blow Through Fan						0.0
Entering Coil	78.3	64.6	47.9	69.6	29.7	
Leaving Coil	54.6	53.1	91.0	58.0	22.1	
Draw Through Fan						0.2
Fan Frictional Heat						0.4
Supply Duct Heat Gain						0.0
Reheat Device						0.0
Cold Deck Supply Air	55.1	53.3	89.3	58.0	22.2	
Supply Air	55.1	53.3	89.3	58.0	22.2	

Percent Outside Air	13.26	
Sensible Heat Ratio (SHR)	0.80	%
Coil Airflow	1,131	cfm

ZONE PSYCHROMETRIC STATE POINTS

By Trial

VU PLANTA BAJA

	Dry Bulb °F	Wet Bulb °F	Relative Humidity %	Humidity Ratio gr/lb	Enthalpy Btu/lb	Temperature Difference °F
Space	75.0	62.5	50.0	65.2	28.2	
Main System						
Return Fan						0.0
Return Air	75.0	62.5	50.0	65.2	28.2	
Return Air Heat Pickup						0.0
Outdoor Air	99.8	76.1	34.2	98.6	39.5	
Entering OA preconditioning	99.8	76.1	34.2	98.6	39.5	
Leaving OA preconditioning	99.8	76.1	34.2	98.6	39.5	
Return/Outdoor Air Mix	75.7	63.0	49.5	66.2	28.5	
Blow Through Fan						0.0
Entering Coil	75.7	63.0	49.5	66.2	28.5	
Leaving Coil	54.5	52.8	90.0	57.1	21.9	
Draw Through Fan						0.2
Fan Frictional Heat						0.4
Supply Duct Heat Gain						0.0
Reheat Device						0.0
Cold Deck Supply Air	55.0	53.0	88.2	57.1	22.1	
Supply Air	55.0	53.0	88.2	57.1	22.1	

Percent Outside Air	3.01	
Sensible Heat Ratio (SHR)	0.95	%
Coil Airflow	332	cfm

ROOM PSYCHROMETRIC STATE POINTS

By Trial

CE PLANTA BAJA

	Dry Bulb °F	Wet Bulb °F	Relative Humidity %	Humidity Ratio gr/lb	Enthalpy Btu/lb	Temperature Difference °F
Space	75.0	61.1	45.0	58.6	27.2	
Main System						
Return Fan						0.0
Return Air	75.0	61.1	45.0	58.6	27.2	
Return Air Heat Pickup						0.0
Outdoor Air	99.8	76.1	34.2	98.6	39.5	
Entering OA preconditioning	99.8	76.1	34.2	98.6	39.5	
Leaving OA preconditioning	99.8	76.1	34.2	98.6	39.5	
Return/Outdoor Air Mix	75.0	61.1	45.0	58.6	27.2	
Blow Through Fan						0.1
Entering Coil	75.1	61.1	44.9	58.6	27.2	
Leaving Coil	55.0	52.6	85.6	55.4	21.8	
Draw Through Fan						0.0
Fan Frictional Heat						0.0
Supply Duct Heat Gain						0.0
Reheat Device						0.0
Cold Deck Supply Air	55.0	52.6	85.6	55.4	21.8	
Supply Air	55.0	52.6	85.6	55.4	21.8	

Percent Outside Air	0.00	%
Sensible Heat Ratio (SHR)	1.00	
Coil Airflow	756	cfm

NOTE: The supply air dry bulb was reset because the psychrometric loop could not close. (SHR >= .999)

ROOM PSYCHROMETRIC STATE POINTS

By Trial

IDF PLANTA BAJA

	Dry Bulb °F	Wet Bulb °F	Relative Humidity %	Humidity Ratio gr/lb	Enthalpy Btu/lb	Temperature Difference °F
Space	75.0	61.1	45.0	58.6	27.2	
Main System						
Return Fan						0.0
Return Air	75.0	61.1	45.0	58.6	27.2	
Return Air Heat Pickup						0.0
Outdoor Air	99.8	76.1	34.2	98.6	39.5	
Entering OA preconditioning	99.8	76.1	34.2	98.6	39.5	
Leaving OA preconditioning	99.8	76.1	34.2	98.6	39.5	
Return/Outdoor Air Mix	75.0	61.1	45.0	58.6	27.2	
Blow Through Fan						0.1
Entering Coil	75.1	61.1	44.9	58.6	27.2	
Leaving Coil	55.0	52.6	85.6	55.4	21.8	
Draw Through Fan						0.0
Fan Frictional Heat						0.0
Supply Duct Heat Gain						0.0
Reheat Device						0.0
Cold Deck Supply Air	55.0	52.6	85.6	55.4	21.8	
Supply Air	55.0	52.6	85.6	55.4	21.8	

Percent Outside Air	0.00	%
Sensible Heat Ratio (SHR)	1.00	
Coil Airflow	612	cfm

NOTE: The supply air dry bulb was reset because the psychrometric loop could not close. (SHR >= .999)