

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					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES				
Peaked at Time:		Mo/Hr: 5 / 16			Mo/Hr: Sum of		OADB: Peaks			Mo/Hr: Heating Design		OADB: 57				Cooling	Heating		
Outside Air:		OADB/WB/HR: 100 / 76 / 99																	
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent	Space Sens	Tot Sens	Of Total	SADB	Ra Plenum	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)								
Envelope Loads					Envelope Loads														
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00								
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00								
Roof Cond	140,424	0	140,424	18	139,354	22	-21,170	20.64	-21,170	-21,170	20.64								
Glass Solar	13,004	0	13,004	2	13,004	2	0	0.00	0	0	0.00								
Glass/Door Cond	7,059	0	7,059	1	7,059	1	-4,342	4.23	-4,342	-4,342	4.23								
Wall Cond	99,009	0	99,009	13	100,944	16	-18,271	17.81	-18,271	-18,271	17.81								
Partition/Door	58,793	0	58,793	8	58,774	9	-40,815	39.79	-40,815	-40,815	39.79								
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00								
Adjacent Floor	0	0	0	0	0	0	0	0	0	0	0								
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00								
Sub Total ==>	318,289	0	318,289	41	319,135	50	-84,597	82.48	-84,597	-84,597	82.48								
Internal Loads					Internal Loads														
Lights	69,182	10,352	79,534	10	69,241	11	0	0.00	0	0	0.00								
People	107,984	0	107,984	14	57,387	9	0	0.00	0	0	0.00								
Misc	189,126	0	189,126	24	189,269	30	0	0.00	0	0	0.00								
Sub Total ==>	366,292	10,352	376,645	49	315,897	50	0	0.00	0	0	0.00								
Ceiling Load	0	0	0	0	0	0	0	0.00	0	0	0.00								
Ventilation Load	0	0	60,700	8	0	0	0	0.00	0	0	0.00								
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0								
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00								
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00								
Exhaust Heat	0	-354	-354	0	0	0	0	0.00	0	0	0.00								
Sup. Fan Heat	0	0	16,941	2	0	0	3,332	-3.25	-21,305	20.77	20.77								
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00								
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00								
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00								
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00								
Grand Total ==>	684,581	9,999	772,221	100.00	635,032	100.00	-84,597	100.00	-84,597	-102,571	100.00								

	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		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	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	(%)
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	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°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

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Variable Temperature Constant Volume

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 5 / 15		Mo/Hr: Sum of		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 101 / 76 / 98		OADB: Peaks		OADB: 57			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Tot Sens Btu/h	(%)	75.0	77.2	0.1	0.2	0.7	
Envelope Loads				Envelope Loads										
Skylite Solar	0	0	0	0	0	0	0	0.00						
Skylite Cond	0	0	0	0	0	0	0	0.00						
Roof Cond	61,145	0	61,145	18	61,304	24	-8,599	18.93						
Glass Solar	15,055	0	15,055	4	15,055	4	0	0.00						
Glass/Door Cond	10,783	0	10,783	3	10,783	4	-6,546	14.41						
Wall Cond	13,331	0	13,331	4	13,331	5	-3,606	7.94						
Partition/Door	25,483	0	25,483	8	25,596	10	-16,333	35.96						
Floor	0	0	0	0	0	0	0	0.00						
Adjacent Floor	0	0	0	0	0	0	0	0						
Infiltration	0	0	0	0	0	0	0	0.00						
Sub Total ==>	125,797	0	125,797	37	126,069	50	-35,084	77.25						
Internal Loads				Internal Loads										
Lights	26,421	5,281	31,702	9	26,400	11	0	0.00						
People	61,985	0	61,985	18	32,860	13	0	0.00						
Misc	65,053	0	65,053	19	65,051	26	0	0.00						
Sub Total ==>	153,459	5,281	158,739	47	124,310	50	0	0.00						
Ceiling Load	0	0	0	0	0	0	0	0.00						
Ventilation Load	0	0	41,242	12	0	0	0	0.00						
Adj Air Trans Heat	0	0	0	0	0	0	0	0						
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00						
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00						
Exhaust Heat	0	-372	-372	0	0	0	3,865	-8.51						
Sup. Fan Heat	0	0	12,179	4	0	0	-14,198	31.26						
Ret. Fan Heat	0	0	0	0	0	0	0	0.00						
Duct Heat Pkup	0	0	0	0	0	0	0	0.00						
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00						
Supply Air Leakage	0	0	0	0	0	0	0	0.00						
Grand Total ==>	279,255	4,909	337,585	100.00	250,380	100.00	-35,084	-45,417	100.00					

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		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	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	(%)
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				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 5 / 16		Mo/Hr: Sum of		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating	
Outside Air:		OADB/WB/HR: 100 / 76 / 99		OADB: Peaks		OADB: 57		OADB: 57				SADB	55.0	73.1
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Return	75.0	70.0
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Ret/OA	75.0	70.0
Envelope Loads				Envelope Loads								Fn MtrTD	0.0	0.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00				Fn BldTD	0.0	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00				Fn Frict	0.1	0.0
Roof Cond	1,915	0	1,915	11	1,915	11	Roof Cond	-284	-284	10.86		AIRFLOWS		
Glass Solar	0	0	0	0	0	0	Glass Solar	0	0	0.00		Diffuser	756	756
Glass/Door Cond	0	0	0	0	0	0	Glass/Door Cond	0	0	0.00		Terminal	756	756
Wall Cond	0	0	0	0	0	0	Wall Cond	0	0	0.00		Main Fan	756	756
Partition/Door	3,873	0	3,873	23	3,873	23	Partition/Door	-2,334	-2,334	89.14		Sec Fan	0	0
Floor	0	0	0	0	0	0	Floor	0	0	0.00		Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	Adjacent Floor	0	0	0		AHU Vent	0	0
Infiltration	0	0	0	0	0	0	Infiltration	0	0	0.00		Infil	0	0
Sub Total ==>	5,788	0	5,788	34	5,788	34	Sub Total ==>	-2,618	-2,618	100.00		MinStop/Rh	0	0
Internal Loads				Internal Loads								Return	756	756
Lights	1,036	0	1,036	6	1,036	6	Lights	0	0	0.00		Exhaust	0	0
People	0	0	0	0	0	0	People	0	0	0.00		Rm Exh	0	0
Misc	9,967	0	9,967	59	9,967	59	Misc	0	0	0.00		Auxiliary	0	0
Sub Total ==>	11,003	0	11,003	65	11,003	66	Sub Total ==>	0	0	0.00		Leakage Dwn	0	0
Ceiling Load				Ceiling Load								Leakage Ups	0	0
Ventilation Load	0	0	0	0	0	0	Ventilation Load	0	0	0.00		ENGINEERING CKS		
Adj Air Trans Heat	0	0	0	0	0	0	Adj Air Trans Heat	0	0	0		% OA	0.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	0	Ov/Undr Sizing	0	0	0.00		cfm/ft²	4.34	4.34
Ov/Undr Sizing	0	0	0	0	0	0	Exhaust Heat	0	0	0.00		cfm/ton	537.79	
Exhaust Heat	0	0	0	0	0	0	OA Preheat Diff.	0	0	0.00		ft²/ton	123.79	
Sup. Fan Heat	0	72	0	0	0	0	RA Preheat Diff.	0	0	0.00		Btu/hr-ft²	96.94	0.00
Ret. Fan Heat	0	0	0	0	0	0	Additional Reheat	0	0	0.00		No. People	0	
Duct Heat Pkup	0	0	0	0	0	0	Underflr Sup Ht Pkup	0	0	0.00				
Underflr Sup Ht Pkup	0	0	0	0	0	0	Supply Air Leakage	0	0	0.00				
Supply Air Leakage	0	0	0	0	0	0	Grand Total ==>	-2,618	-2,618	100.00				
Grand Total ==>	16,791	0	16,863	100.00	16,791	100.00	Grand Total ==>	-2,618	-2,618	100.00				

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass ft² (%)	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F	
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb							
Main Clg	1.4	16.9	16.9	756	75.1	61.1	58.6	55.0	53.4	58.5	Floor	174					
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	459					
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0					
											ExFlr	0					
Total	1.4	16.9									Roof	174	0	0			
											Wall	0	0	0			
											Ext Door	0	0	0			

System Checksums

By Trial

UC IDF MERIDA

Fan Coil

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 5 / 16		Mo/Hr: Sum of		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating	
Outside Air:		OADB/WB/HR: 100 / 76 / 99		OADB: Peaks		OADB: 57		OADB: 57				SADB	55.0	71.3
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Return	75.0	70.0
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Ret/OA	75.0	70.0
Envelope Loads				Envelope Loads								Fn MtrTD	0.0	0.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00				Fn BldTD	0.0	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00				Fn Frict	0.1	0.0
Roof Cond	1,619	0	1,619	12	1,619	12	Roof Cond	-236	-236	27.56		AIRFLOWS		
Glass Solar	0	0	0	0	0	0	Glass Solar	0	0	0.00		Diffuser	612	612
Glass/Door Cond	0	0	0	0	0	0	Glass/Door Cond	0	0	0.00		Terminal	612	612
Wall Cond	0	0	0	0	0	0	Wall Cond	0	0	0.00		Main Fan	612	612
Partition/Door	1,038	0	1,038	8	1,038	8	Partition/Door	-621	-621	72.44		Sec Fan	0	0
Floor	0	0	0	0	0	0	Floor	0	0	0.00		Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	0	Adjacent Floor	0	0	0		AHU Vent	0	0
Infiltration	0	0	0	0	0	0	Infiltration	0	0	0.00		Infil	0	0
Sub Total ==>	2,657	0	2,657	19	2,657	20	Sub Total ==>	-858	-858	100.00		MinStop/Rh	0	0
Internal Loads				Internal Loads								Return	612	612
Lights	891	0	891	7	891	7	Lights	0	0	0.00		Exhaust	0	0
People	0	0	0	0	0	0	People	0	0	0.00		Rm Exh	0	0
Misc	10,051	0	10,051	74	10,051	74	Misc	0	0	0.00		Auxiliary	0	0
Sub Total ==>	10,942	0	10,942	80	10,942	80	Sub Total ==>	0	0	0.00		Leakage Dwn	0	0
Ceiling Load				Ceiling Load								Leakage Ups	0	0
Ventilation Load	0	0	0	0	0	0	Ventilation Load	0	0	0.00		ENGINEERING CKS		
Adj Air Trans Heat	0	0	0	0	0	0	Adj Air Trans Heat	0	0	0		% OA	0.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	0	Ov/Undr Sizing	0	0	0.00		cfm/ft²	4.23	4.23
Ov/Undr Sizing	0	0	0	0	0	0	Exhaust Heat	0	0	0.00		cfm/ton	537.79	
Exhaust Heat	0	0	0	0	0	0	OA Preheat Diff.	0	0	0.00		ft²/ton	127.12	
Sup. Fan Heat	0	58	58	0	0	0	RA Preheat Diff.	0	0	0.00		Btu/hr-ft²	94.40	0.00
Ret. Fan Heat	0	0	0	0	0	0	Additional Reheat	0	0	0.00		No. People	0	
Duct Heat Pkup	0	0	0	0	0	0	Underflr Sup Ht Pkup	0	0	0.00				
Underflr Sup Ht Pkup	0	0	0	0	0	0	Supply Air Leakage	0	0	0.00				
Supply Air Leakage	0	0	0	0	0	0	Grand Total ==>	-858	-858	100.00				
Grand Total ==>	13,599	0	13,657	100.00	13,599	100.00	Grand Total ==>	-858	-858	100.00				

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION							
	Total Capacity		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass ft² (%)	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F				
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb										
Main Clg	1.1	13.7	13.7	612	75.1	61.1	58.6	55.0	53.4	58.5	Floor	145				Main Htg	0.0	612	70.0	71.3
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	122				Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0				Preheat	0.0	0	0.0	0.0
											ExFlr	0				Humidif	0.0	0	0.0	0.0
Total	1.1	13.7									Roof	145	0	0		Opt Vent	0.0	0	0.0	0.0
											Wall	0	0	0		Total	0.0			
											Ext Door	0	0	0						

Zone Checksums

By Trial

AVI + SE NIVEL ESTACIONAMIENTO

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 5 / 15		Mo/Hr: 5 / 15		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 101 / 76 / 98		OADB: 101		OADB: 57			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Tot Sens Btu/h							
Envelope Loads				Envelope Loads										
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00						
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00						
Roof Cond	52,241	0	52,241	20	52,241	27	Roof Cond	-7,188	-7,188	19.41				
Glass Solar	15,055	0	15,055	6	15,055	8	Glass Solar	0	0	0.00				
Glass/Door Cond	10,783	0	10,783	4	10,783	6	Glass/Door Cond	-6,546	-6,546	17.67				
Wall Cond	6,707	0	6,707	3	6,707	4	Wall Cond	-2,426	-2,426	6.55				
Partition/Door	20,223	0	20,223	8	20,223	11	Partition/Door	-12,876	-12,876	34.76				
Floor	0	0	0	0	0	Floor	0	0.00						
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00						
Infiltration	0	0	0	0	0	Infiltration	0	0.00						
Sub Total ==>	105,009	0	105,009	41	105,009	55	Sub Total ==>	-29,037	-29,037	78.39				
Internal Loads				Internal Loads										
Lights	21,123	5,281	26,404	10	21,123	11	Lights	0	0	0.00				
People	47,968	0	47,968	19	25,418	13	People	0	0	0.00				
Misc	38,797	0	38,797	15	38,797	20	Misc	0	0	0.00				
Sub Total ==>	107,888	5,281	113,169	44	85,338	45	Sub Total ==>	0	0	0.00				
Ceiling Load	0	0	0	0	0	0	Ceiling Load	0	0	0.00				
Ventilation Load	0	0	31,884	12	0	0	Ventilation Load	0	0	0.00				
Adj Air Trans Heat	0	0	0	0	0	0	Adj Air Trans Heat	0	0	0				
Dehumid. Ov Sizing	0	0	0	0	0	0	Ov/Undr Sizing	0	0	0.00				
Ov/Undr Sizing	0	0	0	0	0	0	Exhaust Heat	0	0	0.00				
Exhaust Heat	0	-372	-372	0	0	0	OA Preheat Diff.	2,994	-8.08					
Sup. Fan Heat	0	9,258	9,258	4	0	0	RA Preheat Diff.	-10,998	29.69					
Ret. Fan Heat	0	0	0	0	0	0	Additional Reheat	0	0.00					
Duct Heat Pkup	0	0	0	0	0	0	System Plenum Heat	0	0.00					
Underflr Sup Ht Pkup	0	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00					
Supply Air Leakage	0	0	0	0	0	0	Supply Air Leakage	0	0.00					
Grand Total ==>	212,897	4,909	258,949	100.00	190,347	100.00	Grand Total ==>	-29,037	-37,041	100.00				

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		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	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	(%)
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	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°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				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 5 / 16		Mo/Hr: 5 / 16		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 100 / 76 / 99		OADB: 100		OADB: 57			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Tot Sens Btu/h							
Envelope Loads				Envelope Loads										
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00						
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00						
Roof Cond	1,567	0	1,567	21	1,567	Roof Cond	-230	13.41						
Glass Solar	0	0	0	0	0	Glass Solar	0	0.00						
Glass/Door Cond	0	0	0	0	0	Glass/Door Cond	0	0.00						
Wall Cond	0	0	0	0	0	Wall Cond	0	0.00						
Partition/Door	1,995	0	1,995	26	1,995	Partition/Door	-1,198	69.66						
Floor	0	0	0	0	0	Floor	0	0.00						
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00						
Infiltration	0	0	0	0	0	Infiltration	0	0.00						
<i>Sub Total ==></i>	3,561	0	3,561	47	3,561	<i>Sub Total ==></i>	-1,428	83.07						
Internal Loads				Internal Loads										
Lights	854	0	854	11	854	Lights	0	0.00						
People	1,745	0	1,745	23	925	People	0	0.00						
Misc	229	0	229	3	229	Misc	0	0.00						
<i>Sub Total ==></i>	2,829	0	2,829	37	2,009	<i>Sub Total ==></i>	0	0.00						
Ceiling Load	0	0	0	0	0	Ceiling Load	0	0.00						
Ventilation Load	0	0	1,019	13	0	Ventilation Load	0	0.00						
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0						
Dehumid. Ov Sizing	0	0	0	0	0	Ov/Undr Sizing	0	0.00						
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	0	0.00						
Exhaust Heat	0	0	0	0	0	OA Preheat Diff.	54	-3.14						
Sup. Fan Heat	0	0	149	2	0	RA Preheat Diff.	-345	20.07						
Ret. Fan Heat	0	0	0	0	0	Additional Reheat	0	0.00						
Duct Heat Pkup	0	0	0	0	0	System Plenum Heat	0	0.00						
Underflr Sup Ht Pkup	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00						
Supply Air Leakage	0	0	0	0	0	Supply Air Leakage	0	0.00						
Grand Total ==>	6,390	0	7,557	100.00	5,570	Grand Total ==>	-1,428	100.00						

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	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	0.6	7.6	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
Opt Vent	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	(%)
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	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°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				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 5 / 16		Mo/Hr: 5 / 16		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 100 / 76 / 99		OADB: 100		OADB: 57			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Tot Sens Btu/h		75.0	75.0	0.0	0.0	0.0	
Envelope Loads				Envelope Loads										
Skylite Solar	0	0	0	0	0	0	0	0.00						
Skylite Cond	0	0	0	0	0	0	0	0.00						
Roof Cond	1,915	0	1,915	11	1,915	11	-284	10.86						
Glass Solar	0	0	0	0	0	0	0	0.00						
Glass/Door Cond	0	0	0	0	0	0	0	0.00						
Wall Cond	0	0	0	0	0	0	0	0.00						
Partition/Door	3,873	0	3,873	23	3,873	23	-2,334	89.14						
Floor	0	0	0	0	0	0	0	0.00						
Adjacent Floor	0	0	0	0	0	0	0	0.00						
Infiltration	0	0	0	0	0	0	0	0.00						
<i>Sub Total ==></i>	5,788	0	5,788	34	5,788	34	-2,618	100.00						
Internal Loads				Internal Loads										
Lights	1,036	0	1,036	6	1,036	6	0	0.00						
People	0	0	0	0	0	0	0	0.00						
Misc	9,967	0	9,967	59	9,967	59	0	0.00						
<i>Sub Total ==></i>	11,003	0	11,003	65	11,003	66	0	0.00						
Ceiling Load	0	0	0	0	0	0	0	0.00						
Ventilation Load	0	0	0	0	0	0	0	0.00						
Adj Air Trans Heat	0	0	0	0	0	0	0	0						
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00						
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00						
Exhaust Heat	0	0	0	0	0	0	0	0.00						
Sup. Fan Heat	0	0	72	0	0	0	0	0.00						
Ret. Fan Heat	0	0	0	0	0	0	0	0.00						
Duct Heat Pkup	0	0	0	0	0	0	0	0.00						
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00						
Supply Air Leakage	0	0	0	0	0	0	0	0.00						
Grand Total ==>	16,791	0	16,863	100.00	16,791	100.00	-2,618	100.00						

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		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	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	(%)
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
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				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 6 / 16		Mo/Hr: 5 / 16		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 99 / 77 / 104		OADB: 100		OADB: 57						SADB	55.0	73.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.0	70.0
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.0	70.0
Envelope Loads				Envelope Loads								Ret/OA	76.7	70.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	0	0	0.00	Fn BldTD	0.1	0.0
Roof Cond	8,555	0	8,555	16	8,622	22	Roof Cond	-1,262	-1,262	16.46		Fn Frict	0.4	0.0
Glass Solar	0	0	0	0	0	Glass Solar	0	0.00	0	0	0.00	AIRFLOWS		
Glass/Door Cond	0	0	0	0	0	Glass/Door Cond	0	0.00	0	0	0.00	Diffuser	1,778	1,778
Wall Cond	0	0	0	0	0	Wall Cond	0	0.00	0	0	0.00	Terminal	1,778	1,778
Partition/Door	7,389	0	7,389	14	7,657	19	Partition/Door	-4,588	-4,588	59.82	Main Fan	1,778	1,778	
Floor	0	0	0	0	0	Floor	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	0	0	0.00	Nom Vent	125	0
Infiltration	0	0	0	0	0	Infiltration	0	0.00	0	0	0.00	AHU Vent	125	0
<i>Sub Total ==></i>	15,944	0	15,944	31	16,279	41	<i>Sub Total ==></i>	-5,850	-5,850	76.28	Infil	0	0	
Internal Loads				Internal Loads								MinStop/Rh	0	0
Lights	4,729	0	4,729	9	4,729	12	Lights	0	0	0.00	Return	1,778	1,778	
People	10,937	0	10,937	21	5,812	15	People	0	0	0.00	Exhaust	125	0	
Misc	12,682	0	12,682	24	12,682	32	Misc	0	0	0.00	Rm Exh	0	0	
<i>Sub Total ==></i>	28,347	0	28,347	54	23,222	59	<i>Sub Total ==></i>	0	0	0.00	Auxiliary	0	0	
Ceiling Load				Ceiling Load								Leakage Dwn	0	0
Ventilation Load	0	0	6,735	13	0	0	Ventilation Load	0	0	0.00	Leakage Ups	0	0	
Adj Air Trans Heat	0	0	0	0	0	0	Adj Air Trans Heat	0	0	0		ENGINEERING CKS		
Dehumid. Ov Sizing	0	0	0	0	0	0	Ov/Undr Sizing	0	0	0.00	% OA	7.0	0.0	
Ov/Undr Sizing	0	0	0	0	0	0	Exhaust Heat	0	0	0.00	cfm/ft²	2.30	2.30	
Exhaust Heat	0	0	0	0	0	0	OA Preheat Diff.	338	-4.40		cfm/ton	409.65		
Sup. Fan Heat	0	1,054	2	0	0	0	RA Preheat Diff.	-2,157	28.12		ft²/ton	178.01		
Ret. Fan Heat	0	0	0	0	0	0	Additional Reheat	0	0.00		Btu/hr-ft²	67.41	0.00	
Duct Heat Pkup	0	0	0	0	0	0	System Plenum Heat	0	0.00		No. People	25		
Underflr Sup Ht Pkup	0	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00					
Supply Air Leakage	0	0	0	0	0	0	Supply Air Leakage	0	0.00					
Grand Total ==>	44,291	0	52,080	100.00	39,501	100.00	Grand Total ==>	-5,850	-7,669	100.00				

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass ft² (%)	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F	
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb							
Main Clg	4.3	52.1	43.5	1,778	76.7	63.7	67.9	54.5	53.9	61.4	Floor	773	0.0	1,778	69.1	73.0	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	903	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	0.0	0	0.0	0.0	
											ExFlr	0	0.0	0	0.0	0.0	
Total	4.3	52.1									Roof	773	0	0	0.0	0.0	
											Wall	0	0	0	0.0	0.0	
											Ext Door	0	0	0	0.0	0.0	
											Total	0.0	0.0				

Zone Checksums

By Trial

COMEDOR NIVEL ESTACIONAMIENTO

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 6 / 16		Mo/Hr: 5 / 15		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 99 / 77 / 104		OADB: 101		OADB: 57						SADB	53.1	73.4
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.0	70.0
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.0	70.0
Envelope Loads				Envelope Loads				Envelope Loads				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.7	0.0
Roof Cond	1,599	0	1,599	19	1,709	34	Roof Cond	-235	-235	19.07				
Glass Solar	0	0	0	0	0	0	Glass Solar	0	0	0.00				
Glass/Door Cond	0	0	0	0	0	0	Glass/Door Cond	0	0	0.00				
Wall Cond	0	0	0	0	0	0	Wall Cond	0	0	0.00				
Partition/Door	906	0	906	11	882	17	Partition/Door	-561	-561	45.52				
Floor	0	0	0	0	0	0	Floor	0	0	0.00				
Adjacent Floor	0	0	0	0	0	0	Adjacent Floor	0	0	0.00				
Infiltration	0	0	0	0	0	0	Infiltration	0	0	0.00				
<i>Sub Total ==></i>	2,504	0	2,504	31	2,591	51	<i>Sub Total ==></i>	-796	-796	64.59				
Internal Loads				Internal Loads				Internal Loads						
Lights	885	0	885	11	864	17	Lights	0	0	0.00				
People	2,631	0	2,631	32	1,386	27	People	0	0	0.00				
Misc	236	0	236	3	234	5	Misc	0	0	0.00				
<i>Sub Total ==></i>	3,752	0	3,752	46	2,484	49	<i>Sub Total ==></i>	0	0	0.00				
Ceiling Load	0	0	0	0	0	0	Ceiling Load	0	0	0.00				
Ventilation Load	0	0	1,699	21	0	0	Ventilation Load	0	0	0.00				
Adj Air Trans Heat	0	0	0	0	0	0	Adj Air Trans Heat	0	0	0				
Dehumid. Ov Sizing	0	0	0	0	0	0	Ov/Undr Sizing	0	0	0.00				
Ov/Undr Sizing	0	0	0	0	0	0	Exhaust Heat	0	0	0.00				
Exhaust Heat	0	0	0	0	0	0	OA Preheat Diff.	163	-13.24					
Sup. Fan Heat	0	0	247	3	0	0	RA Preheat Diff.	-600	48.65					
Ret. Fan Heat	0	0	0	0	0	0	Additional Reheat	0	0.00					
Duct Heat Pkup	0	0	0	0	0	0	System Plenum Heat	0	0.00					
Underflr Sup Ht Pkup	0	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00					
Supply Air Leakage	0	0	0	0	0	0	Supply Air Leakage	0	0.00					
Grand Total ==>	6,256	0	8,202	100.00	5,074	100.00	Grand Total ==>	-796	-1,233	100.00				

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		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	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	(%)
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
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

DE PLANTA BAJA

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 9 / 16		Mo/Hr: 1 / 17		Mo/Hr: Heating Design						Cooling	Heating		
Outside Air:		OADB/WB/HR: 96 / 77 / 111		OADB: 90		OADB: 57						SADB	55.0	75.0	
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.0	70.0	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	75.0	70.0	
Envelope Loads				Envelope Loads								Ret/OA	75.4	70.0	
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00				Fn MtrTD	0.1	0.0	
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00				Fn BldTD	0.1	0.0	
Roof Cond	3,206	0	3,206	17	2,164	13	Roof Cond	-536	-536	12.19		Fn Frict	0.4	0.0	
Glass Solar	0	0	0	0	0	Glass Solar	0	0.00							
Glass/Door Cond	0	0	0	0	0	Glass/Door Cond	0	0.00							
Wall Cond	4,718	0	4,718	26	6,653	40	Wall Cond	-1,180	-1,180	26.84					
Partition/Door	3,347	0	3,347	18	2,602	16	Partition/Door	-2,461	-2,461	56.00					
Floor	0	0	0	0	0	Floor	0	0.00							
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00							
Infiltration	0	0	0	0	0	Infiltration	0	0.00							
<i>Sub Total ==></i>	11,271	0	11,271	61	11,419	68	<i>Sub Total ==></i>	-4,176	-4,176	95.03					
Internal Loads				Internal Loads								AIRFLOWS			
Lights	1,947	0	1,947	11	1,989	12	Lights	0	0	0.00			Cooling	Heating	
People	1,303	0	1,303	7	695	4	People	0	0	0.00			Diffuser	754	754
Misc	2,625	0	2,625	14	2,647	16	Misc	0	0	0.00			Terminal	754	754
<i>Sub Total ==></i>	5,876	0	5,876	32	5,331	32	<i>Sub Total ==></i>	0	0	0.00			Main Fan	754	754
Ceiling Load	0	0	0	0	0	Ceiling Load	0	0.00				Sec Fan	0	0	
Ventilation Load	0	0	824	4	0	Ventilation Load	0	0.00				Nom Vent	15	0	
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0				AHU Vent	15	0	
Dehumid. Ov Sizing	0	0	0	0	0	Ov/Undr Sizing	0	0.00				Infil	0	0	
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	0	0.00				MinStop/Rh	0	0	
Exhaust Heat	0	0	0	0	0	OA Preheat Diff.	41	-0.92				Return	754	754	
Sup. Fan Heat	0	0	447	2	0	RA Preheat Diff.	-259	5.89				Exhaust	15	0	
Ret. Fan Heat	0	0	0	0	0	Additional Reheat	0	0.00				Rm Exh	0	0	
Duct Heat Pkup	0	0	0	0	0	System Plenum Heat	0	0.00				Auxiliary	0	0	
Underflr Sup Ht Pkup	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00				Leakage Dwn	0	0	
Supply Air Leakage	0	0	0	0	0	Supply Air Leakage	0	0.00				Leakage Ups	0	0	
Grand Total ==>	17,147	0	18,417	100.00	16,750	100.00	Grand Total ==>	-4,176	-4,395	100.00			ENGINEERING CKS		
												% 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										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Lvg	Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F
Main Clg	1.5	18.4	17.3	754	75.4	62.9	66.1	54.5	54.4	63.5	Floor	328		Main Htg	0.0	754	69.7	75.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	484		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0						
Total	1.5	18.4									Roof	328	0	Humidif	0.0	0	0.0	0.0
											Wall	193	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	Total	0.0			

Zone Checksums

By Trial

ET PLANTA BAJA

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES					
Peaked at Time:		Mo/Hr: 5 / 15			Mo/Hr: 5 / 15		Mo/Hr: Heating Design			Mo/Hr: Heating Design			Cooling			Heating				
Outside Air:		OADB/WB/HR: 101 / 76 / 98			OADB: 101		OADB: 57			OADB: 57			SADB			Ra Plenum				
	Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Return			Ret/OA				
	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Fn MtrTD			Fn BldTD				
													Fn Frict							
Envelope Loads					Envelope Loads					Envelope Loads										
	0	0	0	0	0	0	0	0	0.00	0	0	0.00								
	0	0	0	0	0	0	0	0	0.00	0	0	0.00								
	89,223	0	89,223	29	89,223	35	-12,243	-12,243	37.47	-12,243	-12,243	37.47								
	6,143	0	6,143	2	6,143	2	0	0	0.00	0	0	0.00								
	3,582	0	3,582	1	3,582	1	-2,171	-2,171	6.64	-2,171	-2,171	6.64								
	788	0	788	0	788	0	-288	-288	0.88	-288	-288	0.88								
	20,247	0	20,247	7	20,247	8	-12,876	-12,876	39.41	-12,876	-12,876	39.41								
	0	0	0	0	0	0	0	0	0.00	0	0	0.00								
	0	0	0	0	0	0	0	0	0.00	0	0	0.00								
	0	0	0	0	0	0	0	0	0.00	0	0	0.00								
	119,983	0	119,983	39	119,983	47	-27,578	-27,578	84.41	-27,578	-27,578	84.41								
Internal Loads					Internal Loads					Internal Loads										
	37,194	9,298	46,492	15	37,194	14	0	0	0.00	0	0	0.00								
	30,720	0	30,720	10	16,370	6	0	0	0.00	0	0	0.00								
	84,119	0	84,119	28	84,119	33	0	0	0.00	0	0	0.00								
	152,033	9,298	161,332	53	137,683	53	0	0	0.00	0	0	0.00								
	0	0	0	0	0	0	0	0	0.00	0	0	0.00								
	0	0	17,862	6	0	0	0	0	0.00	0	0	0.00								
	0	0	0	0	0	0	0	0	0.00	0	0	0.00								
	0	0	0	0	0	0	0	0	0.00	0	0	0.00								
	0	0	0	0	0	0	0	0	0.00	0	0	0.00								
	0	-281	-281	0	0	0	0	0	0.00	0	0	0.00								
	0	0	6,873	2	0	0	0	946	-2.89	946	-2.89	18.49								
	0	0	0	0	0	0	0	0	0.00	0	0	0.00								
	0	0	0	0	0	0	0	-6,039	18.49	0	0.00	0.00								
	0	0	0	0	0	0	0	0	0.00	0	0.00	0.00								
	0	0	0	0	0	0	0	0	0.00	0	0.00	0.00								
	0	0	0	0	0	0	0	0	0.00	0	0.00	0.00								
	0	0	0	0	0	0	0	0	0.00	0	0.00	0.00								
	272,017	9,018	305,769	100.00	257,667	100.00	-27,578	-32,672	100.00	-27,578	-32,672	100.00								

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	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			
	ton	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	
Main Clg	25.5	305.8	283.5	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	
Opt Vent	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	(%)
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	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°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

IDF PLANTA BAJA

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 5 / 16		Mo/Hr: 5 / 16		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 100 / 76 / 99		OADB: 100		OADB: 57						SADB	55.0	71.3
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.0	70.0
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.0	70.0
Envelope Loads				Envelope Loads								Ret/OA	75.0	70.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00				Fn MtrTD	0.0	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00				Fn BldTD	0.0	0.0
Roof Cond	1,619	0	1,619	12	1,619	12	Roof Cond	-236	-236	27.56		Fn Frict	0.1	0.0
Glass Solar	0	0	0	0	0	0	Glass Solar	0	0	0.00				
Glass/Door Cond	0	0	0	0	0	0	Glass/Door Cond	0	0	0.00				
Wall Cond	0	0	0	0	0	0	Wall Cond	0	0	0.00				
Partition/Door	1,038	0	1,038	8	1,038	8	Partition/Door	-621	-621	72.44				
Floor	0	0	0	0	0	0	Floor	0	0	0.00				
Adjacent Floor	0	0	0	0	0	0	Adjacent Floor	0	0	0.00				
Infiltration	0	0	0	0	0	0	Infiltration	0	0	0.00				
<i>Sub Total ==></i>	2,657	0	2,657	19	2,657	20	<i>Sub Total ==></i>	-858	-858	100.00				
Internal Loads				Internal Loads										
Lights	891	0	891	7	891	7	Lights	0	0	0.00				
People	0	0	0	0	0	0	People	0	0	0.00				
Misc	10,051	0	10,051	74	10,051	74	Misc	0	0	0.00				
<i>Sub Total ==></i>	10,942	0	10,942	80	10,942	80	<i>Sub Total ==></i>	0	0	0.00				
Ceiling Load	0	0	0	0	0	0	Ceiling Load	0	0	0.00				
Ventilation Load	0	0	0	0	0	0	Ventilation Load	0	0	0.00				
Adj Air Trans Heat	0	0	0	0	0	0	Adj Air Trans Heat	0	0	0				
Dehumid. Ov Sizing	0	0	0	0	0	0	Ov/Undr Sizing	0	0	0.00				
Ov/Undr Sizing	0	0	0	0	0	0	Exhaust Heat	0	0	0.00				
Exhaust Heat	0	0	0	0	0	0	OA Preheat Diff.	0	0	0.00				
Sup. Fan Heat	0	58	58	0	0	0	RA Preheat Diff.	0	0	0.00				
Ret. Fan Heat	0	0	0	0	0	0	Additional Reheat	0	0	0.00				
Duct Heat Pkup	0	0	0	0	0	0	System Plenum Heat	0	0	0.00				
Underflr Sup Ht Pkup	0	0	0	0	0	0	Underflr Sup Ht Pkup	0	0	0.00				
Supply Air Leakage	0	0	0	0	0	0	Supply Air Leakage	0	0	0.00				
Grand Total ==>	13,599	0	13,657	100.00	13,599	100.00	Grand Total ==>	-858	-858	100.00				

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		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	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	(%)
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
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				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 1 / 17		Mo/Hr: 1 / 17		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 90 / 71 / 87		OADB: 90		OADB: 57						SADB	55.0	74.6
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.0	70.0
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.0	70.0
Envelope Loads				Envelope Loads								Ret/OA	75.4	70.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00				Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00				Fn BldTD	0.1	0.0
Roof Cond	902	0	902	6	7	Roof Cond	-231	7.27				Fn Frict	0.4	0.0
Glass Solar	0	0	0	0	0	Glass Solar	0	0.00				AIRFLOWS		
Glass/Door Cond	0	0	0	0	0	Glass/Door Cond	0	0.00				Diffuser	581	581
Wall Cond	6,592	0	6,592	46	51	Wall Cond	-1,180	37.23				Terminal	581	581
Partition/Door	1,613	0	1,613	11	13	Partition/Door	-1,540	48.61				Main Fan	581	581
Floor	0	0	0	0	0	Floor	0	0.00				Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00				Nom Vent	15	0
Infiltration	0	0	0	0	0	Infiltration	0	0.00				AHU Vent	15	0
<i>Sub Total ==></i>	9,107	0	9,107	64	71	<i>Sub Total ==></i>	-2,950	93.11				Infil	0	0
Internal Loads				Internal Loads								MinStop/Rh	0	0
Lights	813	0	813	6	6	Lights	0	0.00				Return	581	581
People	1,294	0	1,294	9	5	People	0	0.00				Exhaust	15	0
Misc	2,299	0	2,299	16	18	Misc	0	0.00				Rm Exh	0	0
<i>Sub Total ==></i>	4,406	0	4,406	31	29	<i>Sub Total ==></i>	0	0.00				Auxiliary	0	0
Ceiling Load				Ceiling Load								Leakage Dwn	0	0
Ventilation Load	0	0	471	3	0	Ventilation Load	0	0.00				Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0				ENGINEERING CKS		
Dehumid. Ov Sizing	0	0	0	0	0	Ov/Undr Sizing	0	0.00				% OA	2.6	0.0
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	0	0.00				cfm/ft²	4.12	4.12
Exhaust Heat	0	0	0	0	0	OA Preheat Diff.	41	-1.28				cfm/ton	486.22	
Sup. Fan Heat	0	344	2	2	2	RA Preheat Diff.	-259	8.17				ft²/ton	118.14	
Ret. Fan Heat	0	0	0	0	0	Additional Reheat	0	0.00				Btu/hr-ft²	101.57	0.00
Duct Heat Pkup	0	0	0	0	0	System Plenum Heat	0	0.00				No. People	3	
Underflr Sup Ht Pkup	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00						
Supply Air Leakage	0	0	0	0	0	Supply Air Leakage	0	0.00						
Grand Total ==>	13,513	0	14,328	100.00	12,898	Grand Total ==>	-2,950	-3,169	100.00					

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Lvg	Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F
Main Clg	1.2	14.3	13.5	581	75.4	62.8	65.7	54.5	54.4	63.5	Floor	141		Main Htg	0.0	581	69.7	74.6
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	303		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0						
Total	1.2	14.3									Roof	141	0	Humidif	0.0	0	0.0	0.0
											Wall	193	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	Total	0.0			

Zone Checksums

By Trial

OFC-02 PLANTA BAJA

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 1 / 17		Mo/Hr: 1 / 17		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Cooling	Heating	
Outside Air:		OADB/WB/HR: 90 / 71 / 87		OADB: 90		OADB: 90		OADB: 57		OADB: 57		SADB	55.0	73.3
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.0	70.0
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	75.0	70.0
Envelope Loads				Envelope Loads				Envelope Loads				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.1	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.4	0.0
Roof Cond	917	0	917	7	917	8	-231	10.42	Roof Cond	-231	10.42	AIRFLOWS		
Glass Solar	0	0	0	0	0	Glass Solar	0	0.00	Glass Solar	0	0.00	Cooling	Heating	
Glass/Door Cond	0	0	0	0	0	Glass/Door Cond	0	0.00	Glass/Door Cond	0	0.00	Diffuser	540	540
Wall Cond	6,618	0	6,618	49	6,618	55	-1,180	53.31	Wall Cond	-1,180	53.31	Terminal	540	540
Partition/Door	614	0	614	5	614	5	-584	26.41	Partition/Door	-584	26.41	Main Fan	540	540
Floor	0	0	0	0	0	Floor	0	0.00	Floor	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	Adjacent Floor	0	0.00	Nom Vent	15	0
Infiltration	0	0	0	0	0	Infiltration	0	0.00	Infiltration	0	0.00	AHU Vent	15	0
<i>Sub Total ==></i>	8,149	0	8,149	61	8,149	68	-1,995	90.14	<i>Sub Total ==></i>	-1,995	90.14	Infil	0	0
Internal Loads				Internal Loads				Internal Loads				MinStop/Rh	0	0
Lights	841	0	841	6	841	7	0	0.00	Lights	0	0.00	Return	540	540
People	1,304	0	1,304	10	689	6	0	0.00	People	0	0.00	Exhaust	15	0
Misc	2,326	0	2,326	17	2,326	19	0	0.00	Misc	0	0.00	Rm Exh	0	0
<i>Sub Total ==></i>	4,471	0	4,471	33	3,856	32	0	0.00	<i>Sub Total ==></i>	0	0.00	Auxiliary	0	0
Ceiling Load				Ceiling Load				Ceiling Load				Leakage Dwn	0	0
Ventilation Load	0	0	471	4	0	0	0	0.00	Ventilation Load	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0	Adj Air Trans Heat	0	0	ENGINEERING CKS		
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	Ov/Undr Sizing	0	0.00	Cooling	Heating	
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	Exhaust Heat	0	0.00	% OA	2.8	0.0
Exhaust Heat	0	0	0	0	0	0	41	-1.83	OA Preheat Diff.	41	-1.83	cfm/ft²	3.83	3.83
Sup. Fan Heat	0	320	2	0	0	0	-259	11.70	RA Preheat Diff.	-259	11.70	cfm/ton	483.49	
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	Additional Reheat	0	0.00	ft²/ton	126.22	
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	System Plenum Heat	0	0.00	Btu/hr-ft²	95.07	0.00
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	Underflr Sup Ht Pkup	0	0.00	No. People	3	
Supply Air Leakage	0	0	0	0	0	0	0	0.00	Supply Air Leakage	0	0.00			
Grand Total ==>	12,620	0	13,411	100.00	12,005	100.00	-1,995	100.00	Grand Total ==>	-1,995	-2,213			

COOLING COIL SELECTION										AREAS				HEATING COIL SELECTION						
	Total Capacity		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass ft² (%)	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F				
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb										
Main Clg	1.1	13.4	12.6	540	75.4	62.8	65.8	54.5	54.4	63.5	Floor	141				Main Htg	0.0	540	69.6	73.3
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	115				Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0				Preheat	0.0	0	0.0	0.0
											ExFlr	0				Humidif	0.0	0	0.0	0.0
Total	1.1	13.4									Roof	141	0	0		Opt Vent	0.0	0	0.0	0.0
											Wall	193	0	0		Total	0.0			
											Ext Door	0	0	0						

Zone Checksums

By Trial

OFC-03 PLANTA BAJA

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 1 / 17		Mo/Hr: 1 / 17		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 90 / 71 / 87		OADB: 90		OADB: 57			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Tot Sens Btu/h							
Envelope Loads				Envelope Loads										
Skylite Solar	0	0	0	0	0	0	0	0.00						
Skylite Cond	0	0	0	0	0	0	0	0.00						
Roof Cond	917	0	917	7	917	8	-231	10.42						
Glass Solar	0	0	0	0	0	0	0	0.00						
Glass/Door Cond	0	0	0	0	0	0	0	0.00						
Wall Cond	6,618	0	6,618	49	6,618	55	-1,180	53.31						
Partition/Door	614	0	614	5	614	5	-584	26.41						
Floor	0	0	0	0	0	0	0	0.00						
Adjacent Floor	0	0	0	0	0	0	0	0.00						
Infiltration	0	0	0	0	0	0	0	0.00						
<i>Sub Total ==></i>	8,149	0	8,149	61	8,149	68	-1,995	90.14						
Internal Loads				Internal Loads										
Lights	841	0	841	6	841	7	0	0.00						
People	1,304	0	1,304	10	689	6	0	0.00						
Misc	2,326	0	2,326	17	2,326	19	0	0.00						
<i>Sub Total ==></i>	4,471	0	4,471	33	3,856	32	0	0.00						
Ceiling Load	0	0	0	0	0	0	0	0.00						
Ventilation Load	0	0	471	4	0	0	0	0.00						
Adj Air Trans Heat	0	0	0	0	0	0	0	0						
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00						
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00						
Exhaust Heat	0	0	0	0	0	0	41	-1.83						
Sup. Fan Heat	0	0	320	2	0	0	-259	11.70						
Ret. Fan Heat	0	0	0	0	0	0	0	0.00						
Duct Heat Pkup	0	0	0	0	0	0	0	0.00						
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00						
Supply Air Leakage	0	0	0	0	0	0	0	0.00						
Grand Total ==>	12,620	0	13,411	100.00	12,005	100.00	-1,995	-2,213	100.00					

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		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	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	(%)
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				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 1 / 17		Mo/Hr: 1 / 17		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 90 / 71 / 87		OADB: 90		OADB: 57			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Tot Sens Btu/h							
Envelope Loads				Envelope Loads										
Skylite Solar	0	0	0	0	0	0	0	0.00						
Skylite Cond	0	0	0	0	0	0	0	0.00						
Roof Cond	917	0	917	7	917	8	-231	10.42						
Glass Solar	0	0	0	0	0	0	0	0.00						
Glass/Door Cond	0	0	0	0	0	0	0	0.00						
Wall Cond	6,618	0	6,618	49	6,618	55	-1,180	53.31						
Partition/Door	614	0	614	5	614	5	-584	26.41						
Floor	0	0	0	0	0	0	0	0.00						
Adjacent Floor	0	0	0	0	0	0	0	0.00						
Infiltration	0	0	0	0	0	0	0	0.00						
<i>Sub Total ==></i>	8,149	0	8,149	61	8,149	68	-1,995	90.14						
Internal Loads				Internal Loads										
Lights	841	0	841	6	841	7	0	0.00						
People	1,304	0	1,304	10	689	6	0	0.00						
Misc	2,326	0	2,326	17	2,326	19	0	0.00						
<i>Sub Total ==></i>	4,471	0	4,471	33	3,856	32	0	0.00						
Ceiling Load	0	0	0	0	0	0	0	0.00						
Ventilation Load	0	0	471	4	0	0	0	0.00						
Adj Air Trans Heat	0	0	0	0	0	0	0	0						
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00						
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00						
Exhaust Heat	0	0	0	0	0	0	41	-1.83						
Sup. Fan Heat	0	0	320	2	0	0	-259	11.70						
Ret. Fan Heat	0	0	0	0	0	0	0	0.00						
Duct Heat Pkup	0	0	0	0	0	0	0	0.00						
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00						
Supply Air Leakage	0	0	0	0	0	0	0	0.00						
Grand Total ==>	12,620	0	13,411	100.00	12,005	100.00	-1,995	-2,213	100.00					

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		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	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	(%)
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				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 1 / 17		Mo/Hr: 1 / 17		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 90 / 71 / 87		OADB: 90		OADB: 57						SADB	55.0	73.3
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.0	70.0
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.0	70.0
Envelope Loads				Envelope Loads				Envelope Loads				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.1	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.4	0.0
Roof Cond	917	0	917	7	917	8	-231	10.42	-231	-231	10.42	AIRFLOWS		
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Cooling	Heating	
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	540	540
Wall Cond	6,618	0	6,618	49	6,618	55	-1,180	53.31	-1,180	-1,180	53.31	Terminal	540	540
Partition/Door	614	0	614	5	614	5	-584	26.41	-584	-584	26.41	Main Fan	540	540
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	15	0
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	15	0
<i>Sub Total ==></i>	8,149	0	8,149	61	8,149	68	-1,995	90.14	-1,995	-1,995	90.14	Infil	0	0
Internal Loads				Internal Loads				Internal Loads				MinStop/Rh	0	0
Lights	841	0	841	6	841	7	0	0.00	0	0	0.00	Return	540	540
People	1,304	0	1,304	10	689	6	0	0.00	0	0	0.00	Exhaust	15	0
Misc	2,326	0	2,326	17	2,326	19	0	0.00	0	0	0.00	Rm Exh	0	0
<i>Sub Total ==></i>	4,471	0	4,471	33	3,856	32	0	0.00	0	0	0.00	Auxiliary	0	0
Ceiling Load				Ceiling Load				Ceiling Load				Leakage Dwn	0	0
Ventilation Load	0	0	471	4	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	ENGINEERING CKS		
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	Cooling	Heating	
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	2.8	0.0
Exhaust Heat	0	0	0	0	0	0	41	-1.83	41	41	-1.83	cfm/ft²	3.83	3.83
Sup. Fan Heat	0	0	320	2	0	0	-259	11.70	-259	-259	11.70	cfm/ton	483.49	
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	ft²/ton	126.22	
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	95.07	0.00
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	3	
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<i>Grand Total ==></i>	12,620	0	13,411	100.00	12,005	100.00	-1,995	100.00	-1,995	-2,213	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Lvg	Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F
Main Clg	1.1	13.4	12.6	540	75.4	62.8	65.8	54.5	54.4	63.5	Floor	141		Main Htg	0.0	540	69.6	73.3
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	115		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0						
Total	1.1	13.4									Roof	141	0	Humidif	0.0	0	0.0	0.0
											Wall	193	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	Total	0.0			

Zone Checksums

By Trial

OFC-06 PLANTA BAJA

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 1 / 17		Mo/Hr: 1 / 17		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Cooling	Heating	
Outside Air:		OADB/WB/HR: 90 / 71 / 87		OADB: 90		OADB: 90		OADB: 57		OADB: 57		SADB	55.0	73.3
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.0	70.0
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	75.0	70.0
Envelope Loads				Envelope Loads				Envelope Loads				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.1	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.4	0.0
Roof Cond	917	0	917	7	917	8	-231	10.42	Roof Cond	-231	10.42	AIRFLOWS		
Glass Solar	0	0	0	0	0	Glass Solar	0	0.00	Glass Solar	0	0.00	Diffuser	540	540
Glass/Door Cond	0	0	0	0	0	Glass/Door Cond	0	0.00	Glass/Door Cond	0	0.00	Terminal	540	540
Wall Cond	6,618	0	6,618	49	6,618	55	-1,180	53.31	Wall Cond	-1,180	53.31	Main Fan	540	540
Partition/Door	614	0	614	5	614	5	-584	26.41	Partition/Door	-584	26.41	Sec Fan	0	0
Floor	0	0	0	0	0	Floor	0	0.00	Floor	0	0.00	Nom Vent	15	0
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	Adjacent Floor	0	0.00	AHU Vent	15	0
Infiltration	0	0	0	0	0	Infiltration	0	0.00	Infiltration	0	0.00	Infil	0	0
Sub Total ==>	8,149	0	8,149	61	8,149	68	-1,995	90.14	Sub Total ==>	-1,995	90.14	MinStop/Rh	0	0
Internal Loads				Internal Loads				Internal Loads				Return	540	540
Lights	841	0	841	6	841	7	0	0.00	Lights	0	0.00	Exhaust	15	0
People	1,304	0	1,304	10	689	6	0	0.00	People	0	0.00	Rm Exh	0	0
Misc	2,326	0	2,326	17	2,326	19	0	0.00	Misc	0	0.00	Auxiliary	0	0
Sub Total ==>	4,471	0	4,471	33	3,856	32	0	0.00	Sub Total ==>	0	0.00	Leakage Dwn	0	0
Ceiling Load				Ceiling Load				Ceiling Load				Leakage Ups	0	0
Ventilation Load	0	0	471	4	0	0	0	0.00	Ventilation Load	0	0.00	ENGINEERING CKS		
Adj Air Trans Heat	0	0	0	0	0	0	0	0	Adj Air Trans Heat	0	0	% OA	2.8	0.0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	Ov/Undr Sizing	0	0.00	cfm/ft²	3.83	3.83
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	Exhaust Heat	0	0.00	cfm/ton	483.49	
Exhaust Heat	0	0	0	0	0	0	41	-1.83	OA Preheat Diff.	41	-1.83	ft²/ton	126.22	
Sup. Fan Heat	0	0	320	2	0	0	-259	11.70	RA Preheat Diff.	-259	11.70	Btu/hr-ft²	95.07	0.00
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	Additional Reheat	0	0.00	No. People	3	
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	System Plenum Heat	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	Underflr Sup Ht Pkup	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	Supply Air Leakage	0	0.00			
Grand Total ==>	12,620	0	13,411	100.00	12,005	100.00	-1,995	100.00	Grand Total ==>	-1,995	-2,213			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION							
	Total Capacity		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass ft² (%)	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F				
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb										
Main Clg	1.1	13.4	12.6	540	75.4	62.8	65.8	54.5	54.4	63.5	Floor	141				Main Htg	0.0	540	69.6	73.3
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	115				Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0				Preheat	0.0	0	0.0	0.0
											ExFlr	0				Humidif	0.0	0	0.0	0.0
Total	1.1	13.4									Roof	141	0	0		Opt Vent	0.0	0	0.0	0.0
											Wall	193	0	0		Total	0.0			
											Ext Door	0	0	0						

Zone Checksums

By Trial

OFC-07 PLANTA BAJA

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 1 / 17		Mo/Hr: 1 / 17		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 90 / 71 / 87		OADB: 90		OADB: 57						SADB	55.0	73.3
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.0	70.0
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.0	70.0
Envelope Loads				Envelope Loads				Envelope Loads				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.1	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.4	0.0
Roof Cond	917	0	917	7	917	Roof Cond	-231	10.42	Roof Cond	-231	10.42	AIRFLOWS		
Glass Solar	0	0	0	0	0	Glass Solar	0	0.00	Glass Solar	0	0.00	Cooling	Heating	
Glass/Door Cond	0	0	0	0	0	Glass/Door Cond	0	0.00	Glass/Door Cond	0	0.00	Diffuser	540	540
Wall Cond	6,618	0	6,618	49	6,618	Wall Cond	-1,180	53.31	Wall Cond	-1,180	53.31	Terminal	540	540
Partition/Door	614	0	614	5	614	Partition/Door	-584	26.41	Partition/Door	-584	26.41	Main Fan	540	540
Floor	0	0	0	0	0	Floor	0	0.00	Floor	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	Adjacent Floor	0	0.00	Nom Vent	15	0
Infiltration	0	0	0	0	0	Infiltration	0	0.00	Infiltration	0	0.00	AHU Vent	15	0
Sub Total ==>	8,149	0	8,149	61	8,149	Sub Total ==>	-1,995	90.14	Sub Total ==>	-1,995	90.14	Infil	0	0
Internal Loads				Internal Loads				Internal Loads				MinStop/Rh	0	0
Lights	841	0	841	6	841	Lights	0	0.00	Lights	0	0.00	Return	540	540
People	1,304	0	1,304	10	689	People	0	0.00	People	0	0.00	Exhaust	15	0
Misc	2,326	0	2,326	17	2,326	Misc	0	0.00	Misc	0	0.00	Rm Exh	0	0
Sub Total ==>	4,471	0	4,471	33	3,856	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Auxiliary	0	0
Ceiling Load	0	0	0	0	0	Ceiling Load	0	0.00	Ceiling Load	0	0.00	Leakage Dwn	0	0
Ventilation Load	0	0	471	4	0	Ventilation Load	0	0.00	Ventilation Load	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0	Adj Air Trans Heat	0	0	ENGINEERING CKS		
Dehumid. Ov Sizing	0	0	0	0	0	Ov/Undr Sizing	0	0.00	Ov/Undr Sizing	0	0.00	Cooling	Heating	
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	0	0.00	Exhaust Heat	0	0.00	% OA	2.8	0.0
Exhaust Heat	0	0	0	0	0	OA Preheat Diff.	41	-1.83	OA Preheat Diff.	41	-1.83	cfm/ft²	3.83	3.83
Sup. Fan Heat	0	320	320	2	2	RA Preheat Diff.	-259	11.70	RA Preheat Diff.	-259	11.70	cfm/ton	483.49	
Ret. Fan Heat	0	0	0	0	0	Additional Reheat	0	0.00	Additional Reheat	0	0.00	ft²/ton	126.22	
Duct Heat Pkup	0	0	0	0	0	System Plenum Heat	0	0.00	System Plenum Heat	0	0.00	Btu/hr-ft²	95.07	0.00
Underflr Sup Ht Pkup	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00	Underflr Sup Ht Pkup	0	0.00	No. People	3	
Supply Air Leakage	0	0	0	0	0	Supply Air Leakage	0	0.00	Supply Air Leakage	0	0.00			
Grand Total ==>	12,620	0	13,411	100.00	12,005	Grand Total ==>	-1,995	100.00	Grand Total ==>	-2,213	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION							
	Total Capacity		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass ft² (%)	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F				
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb										
Main Clg	1.1	13.4	12.6	540	75.4	62.8	65.8	54.5	54.4	63.5	Floor	141				Main Htg	0.0	540	69.6	73.3
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	115				Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0				Preheat	0.0	0	0.0	0.0
											ExFlr	0				Humidif	0.0	0	0.0	0.0
Total	1.1	13.4									Roof	141	0	0		Opt Vent	0.0	0	0.0	0.0
											Wall	193	0	0		Total	0.0			
											Ext Door	0	0	0						

Zone Checksums

By Trial

OFC-08 PLANTA BAJA

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 1 / 17		Mo/Hr: 1 / 17		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 90 / 71 / 87		OADB: 90		OADB: 57			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h				
Envelope Loads				Envelope Loads										
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00						
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00						
Roof Cond	1,234	0	1,234	9	1,234	10	Roof Cond	-306	-306	13.38				
Glass Solar	0	0	0	0	0	Glass Solar	0	0.00						
Glass/Door Cond	0	0	0	0	0	Glass/Door Cond	0	0.00						
Wall Cond	6,647	0	6,647	47	6,647	52	Wall Cond	-1,180	-1,180	51.54				
Partition/Door	617	0	617	4	617	5	Partition/Door	-584	-584	25.54				
Floor	0	0	0	0	0	Floor	0	0.00						
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00						
Infiltration	0	0	0	0	0	Infiltration	0	0.00						
<i>Sub Total ==></i>	8,499	0	8,499	60	8,499	67	<i>Sub Total ==></i>	-2,070	-2,070	90.46				
Internal Loads				Internal Loads										
Lights	1,134	0	1,134	8	1,134	9	Lights	0	0	0.00				
People	1,309	0	1,309	9	694	5	People	0	0	0.00				
Misc	2,417	0	2,417	17	2,417	19	Misc	0	0	0.00				
<i>Sub Total ==></i>	4,860	0	4,860	34	4,245	33	<i>Sub Total ==></i>	0	0	0.00				
Ceiling Load	0	0	0	0	0	Ceiling Load	0	0.00						
Ventilation Load	0	0	471	3	0	Ventilation Load	0	0.00						
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0						
Dehumid. Ov Sizing	0	0	0	0	0	Ov/Undr Sizing	0	0.00						
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	0	0.00						
Exhaust Heat	0	0	0	0	0	OA Preheat Diff.	41	-1.77						
Sup. Fan Heat	0	0	340	2	0	RA Preheat Diff.	-259	11.31						
Ret. Fan Heat	0	0	0	0	0	Additional Reheat	0	0.00						
Duct Heat Pkup	0	0	0	0	0	System Plenum Heat	0	0.00						
Underflr Sup Ht Pkup	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00						
Supply Air Leakage	0	0	0	0	0	Supply Air Leakage	0	0.00						
Grand Total ==>	13,359	0	14,170	100.00	12,744	100.00	Grand Total ==>	-2,070	-2,289	100.00				

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		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	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	(%)
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				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 1 / 17		Mo/Hr: 1 / 17		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 90 / 71 / 87		OADB: 90		OADB: 57			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Tot Sens Btu/h							
Envelope Loads				Envelope Loads										
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00						
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00						
Roof Cond	1,234	0	1,234	9	1,234	Roof Cond	-306	13.38						
Glass Solar	0	0	0	0	0	Glass Solar	0	0.00						
Glass/Door Cond	0	0	0	0	0	Glass/Door Cond	0	0.00						
Wall Cond	6,647	0	6,647	47	6,647	Wall Cond	-1,180	51.54						
Partition/Door	617	0	617	4	617	Partition/Door	-584	25.54						
Floor	0	0	0	0	0	Floor	0	0.00						
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00						
Infiltration	0	0	0	0	0	Infiltration	0	0.00						
<i>Sub Total ==></i>	8,499	0	8,499	60	8,499	<i>Sub Total ==></i>	-2,070	90.46						
Internal Loads				Internal Loads										
Lights	1,134	0	1,134	8	1,134	Lights	0	0.00						
People	1,309	0	1,309	9	694	People	0	0.00						
Misc	2,417	0	2,417	17	2,417	Misc	0	0.00						
<i>Sub Total ==></i>	4,860	0	4,860	34	4,245	<i>Sub Total ==></i>	0	0.00						
Ceiling Load	0	0	0	0	0	Ceiling Load	0	0.00						
Ventilation Load	0	0	471	3	0	Ventilation Load	0	0.00						
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0						
Dehumid. Ov Sizing	0	0	0	0	0	Ov/Undr Sizing	0	0.00						
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	0	0.00						
Exhaust Heat	0	0	0	0	0	OA Preheat Diff.	41	-1.77						
Sup. Fan Heat	0	0	340	2	0	RA Preheat Diff.	-259	11.31						
Ret. Fan Heat	0	0	0	0	0	Additional Reheat	0	0.00						
Duct Heat Pkup	0	0	0	0	0	System Plenum Heat	0	0.00						
Underflr Sup Ht Pkup	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00						
Supply Air Leakage	0	0	0	0	0	Supply Air Leakage	0	0.00						
Grand Total ==>	13,359	0	14,170	100.00	12,744	Grand Total ==>	-2,070	100.00						

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		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	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	(%)
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				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 1 / 17		Mo/Hr: 1 / 17		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 90 / 71 / 87		OADB: 90		OADB: 57						SADB	55.0	73.3
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.0	70.0
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.0	70.0
Envelope Loads				Envelope Loads								Ret/OA	75.4	70.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	0	0	0.00	Fn BldTD	0.1	0.0
Roof Cond	917	0	917	7	8	Roof Cond	-230	10.42	-230	-230	10.42	Fn Frict	0.4	0.0
Glass Solar	0	0	0	0	0	Glass Solar	0	0.00	0	0	0.00			
Glass/Door Cond	0	0	0	0	0	Glass/Door Cond	0	0.00	0	0	0.00			
Wall Cond	6,618	0	6,618	49	55	Wall Cond	-1,180	53.31	-1,180	-1,180	53.31			
Partition/Door	614	0	614	5	5	Partition/Door	-584	26.41	-584	-584	26.41			
Floor	0	0	0	0	0	Floor	0	0.00	0	0	0.00			
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	0	0	0.00			
Infiltration	0	0	0	0	0	Infiltration	0	0.00	0	0	0.00			
<i>Sub Total ==></i>	8,149	0	8,149	61	68	<i>Sub Total ==></i>	-1,995	90.14	-1,995	-1,995	90.14			
Internal Loads				Internal Loads								AIRFLOWS		
Lights	841	0	841	6	7	Lights	0	0.00	0	0	0.00	Cooling	Heating	
People	1,304	0	1,304	10	6	People	0	0.00	0	0	0.00	Diffuser	540	540
Misc	2,326	0	2,326	17	19	Misc	0	0.00	0	0	0.00	Terminal	540	540
<i>Sub Total ==></i>	4,471	0	4,471	33	32	<i>Sub Total ==></i>	0	0.00	0	0	0.00	Main Fan	540	540
												Sec Fan	0	0
Ceiling Load	0	0	0	0	0	Ceiling Load	0	0.00	0	0	0.00	Nom Vent	15	0
Ventilation Load	0	0	471	4	0	Ventilation Load	0	0.00	0	0	0.00	AHU Vent	15	0
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0	0	0	0	Infil	0	0
Dehumid. Ov Sizing	0	0	0	0	0	Ov/Undr Sizing	0	0.00	0	0	0.00	MinStop/Rh	0	0
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	0	0.00	0	0	0.00	Return	540	540
Exhaust Heat	0	0	0	0	0	OA Preheat Diff.	41	-1.83	41	41	-1.83	Exhaust	15	0
Sup. Fan Heat	0	320	320	2	2	RA Preheat Diff.	-259	11.70	-259	-259	11.70	Rm Exh	0	0
Ret. Fan Heat	0	0	0	0	0	Additional Reheat	0	0.00	0	0	0.00	Auxiliary	0	0
Duct Heat Pkup	0	0	0	0	0	System Plenum Heat	0	0.00	0	0	0.00	Leakage Dwn	0	0
Underflr Sup Ht Pkup	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00	0	0	0.00	Leakage Ups	0	0
Supply Air Leakage	0	0	0	0	0	Supply Air Leakage	0	0.00	0	0	0.00			
Grand Total ==>	12,620	0	13,411	100.00	12,005	Grand Total ==>	-1,995	100.00	-1,995	-2,213	100.00	ENGINEERING CKS		

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Lvg	Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F
Main Clg	1.1	13.4	12.6	540	75.4	62.8	65.8	54.5	54.4	63.5	Floor	141		Main Htg	0.0	540	69.6	73.3
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	115		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0						
Total	1.1	13.4									Roof	141	0	Humidif	0.0	0	0.0	0.0
											Wall	193	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	Total	0.0			

Zone Checksums

By Trial

OFC-11 PLANTA BAJA

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 1 / 17		Mo/Hr: 1 / 17		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 90 / 71 / 87		OADB: 90		OADB: 57						SADB	55.0	73.3
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.0	70.0
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.0	70.0
Envelope Loads				Envelope Loads								Ret/OA	75.4	70.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.1	0.0
Roof Cond	917	0	917	7	917	8	-230	10.42	-230	-230	10.42	Fn Frict	0.4	0.0
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00			
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00			
Wall Cond	6,618	0	6,618	49	6,618	55	-1,180	53.31	-1,180	-1,180	53.31			
Partition/Door	614	0	614	5	614	5	-584	26.41	-584	-584	26.41			
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00			
<i>Sub Total ==></i>	8,149	0	8,149	61	8,149	68	-1,995	90.14	-1,995	-1,995	90.14			
Internal Loads				Internal Loads										
Lights	841	0	841	6	841	7	0	0.00	0	0	0.00			
People	1,304	0	1,304	10	689	6	0	0.00	0	0	0.00			
Misc	2,326	0	2,326	17	2,326	19	0	0.00	0	0	0.00			
<i>Sub Total ==></i>	4,471	0	4,471	33	3,856	32	0	0.00	0	0	0.00			
Ceiling Load	0	0	0	0	0	0	0	0.00	0	0	0.00			
Ventilation Load	0	0	471	4	0	0	0	0.00	0	0	0.00			
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0			
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00			
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00			
Exhaust Heat	0	0	0	0	0	0	41	-1.83	0	0	0.00			
Sup. Fan Heat	0	0	320	2	0	0	-259	11.70	0	0	0.00			
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00			
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	12,620	0	13,411	100.00	12,005	100.00	-1,995	100.00	-1,995	-2,213	100.00			

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		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	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	(%)
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				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 1 / 17		Mo/Hr: 1 / 17		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 90 / 71 / 87		OADB: 90		OADB: 57						SADB	55.0	73.3
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.0	70.0
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.0	70.0
Envelope Loads				Envelope Loads								Ret/OA	75.4	70.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.1	0.0
Roof Cond	917	0	917	7	917	8	-230	10.42	-230	-230	10.42	Fn Frict	0.4	0.0
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	AIRFLOWS		
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	540	540
Wall Cond	6,618	0	6,618	49	6,618	55	-1,180	53.31	-1,180	-1,180	53.31	Terminal	540	540
Partition/Door	614	0	614	5	614	5	-584	26.41	-584	-584	26.41	Main Fan	540	540
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	15	0
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	15	0
<i>Sub Total ==></i>	8,149	0	8,149	61	8,149	68	-1,995	90.14	-1,995	-1,995	90.14	Infil	0	0
Internal Loads				Internal Loads								MinStop/Rh	0	0
Lights	841	0	841	6	841	7	0	0.00	0	0	0.00	Return	540	540
People	1,304	0	1,304	10	689	6	0	0.00	0	0	0.00	Exhaust	15	0
Misc	2,326	0	2,326	17	2,326	19	0	0.00	0	0	0.00	Rm Exh	0	0
<i>Sub Total ==></i>	4,471	0	4,471	33	3,856	32	0	0.00	0	0	0.00	Auxiliary	0	0
Ceiling Load				Ceiling Load								Leakage Dwn	0	0
Ventilation Load	0	0	471	4	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	ENGINEERING CKS		
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	2.8	0.0
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	3.83	3.83
Exhaust Heat	0	0	0	0	0	0	41	-1.83	0	0	0.00	cfm/ton	483.49	
Sup. Fan Heat	0	0	320	2	0	0	-259	11.70	0	0	0.00	ft²/ton	126.21	
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	95.08	0.00
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	3	
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<i>Grand Total ==></i>	12,620	0	13,411	100.00	12,005	100.00	-1,995	100.00	-1,995	-2,213	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Lvg	Capacity	Coil Airflow	Ent	Lvg
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F							
Main Clg	1.1	13.4	12.6	540	75.4	62.8	65.8	54.5	54.4	63.5	Floor	141		0.0	540	69.6	73.3
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	115		0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		0.0	0	0.0	0.0
Total	1.1	13.4									ExFlr	0		0.0	0	0.0	0.0
											Roof	141	0	0	0.0	0	0.0
											Wall	193	0	0	0.0	0	0.0
											Ext Door	0	0	0	0.0	0	0.0
											Total			0.0			

Zone Checksums

By Trial

OFC-13 PLANTA BAJA

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 1 / 17		Mo/Hr: 1 / 17		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 90 / 71 / 87		OADB: 90		OADB: 57						SADB	55.0	73.3
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.0	70.0
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.0	70.0
Envelope Loads				Envelope Loads								Ret/OA	75.4	70.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.1	0.0
Roof Cond	917	0	917	7	917	8	-230	10.42	-230	-230	10.42	Fn Frict	0.4	0.0
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00			
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00			
Wall Cond	6,618	0	6,618	49	6,618	55	-1,180	53.31	-1,180	-1,180	53.31			
Partition/Door	614	0	614	5	614	5	-584	26.41	-584	-584	26.41			
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00			
<i>Sub Total ==></i>	8,149	0	8,149	61	8,149	68	-1,995	90.14	-1,995	-1,995	90.14			
Internal Loads				Internal Loads								AIRFLOWS		
Lights	841	0	841	6	841	7	0	0.00	0	0	0.00	Cooling	Heating	
People	1,304	0	1,304	10	689	6	0	0.00	0	0	0.00	Diffuser	540	540
Misc	2,326	0	2,326	17	2,326	19	0	0.00	0	0	0.00	Terminal	540	540
<i>Sub Total ==></i>	4,471	0	4,471	33	3,856	32	0	0.00	0	0	0.00	Main Fan	540	540
												Sec Fan	0	0
Ceiling Load	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	15	0
Ventilation Load	0	0	471	4	0	0	0	0.00	0	0	0.00	AHU Vent	15	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	Infil	0	0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	MinStop/Rh	0	0
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	Return	540	540
Exhaust Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	Exhaust	15	0
Sup. Fan Heat	0	0	320	2	0	0	0	0.00	0	0	0.00	Rm Exh	0	0
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	Auxiliary	0	0
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Dwn	0	0
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<i>Grand Total ==></i>	12,620	0	13,411	100.00	12,005	100.00	-1,995	100.00	-1,995	-2,213	100.00	ENGINEERING CKS		

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION							
	Total Capacity		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass ft² (%)	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F				
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb										
Main Clg	1.1	13.4	12.6	540	75.4	62.8	65.8	54.5	54.4	63.5	Floor	141				Main Htg	0.0	540	69.6	73.3
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	115				Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0				Preheat	0.0	0	0.0	0.0
											ExFlr	0								
Total	1.1	13.4									Roof	141	0	0		Humidif	0.0	0	0.0	0.0
											Wall	193	0	0		Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	Total	0.0				

Zone Checksums

By Trial

OFICINA 1 NIVEL ESTACIONAMIENTO

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES				
Peaked at Time:		Mo/Hr: 1 / 17		Mo/Hr: 1 / 17		Mo/Hr: Heating Design						Cooling	Heating			
Outside Air:		OADB/WB/HR: 90 / 71 / 87		OADB: 90		OADB: 57						SADB	53.1	73.6		
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.0	70.0		
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.0	70.0		
Envelope Loads				Envelope Loads								Ret/OA	75.5	70.0		
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00				Fn MtrTD	0.1	0.0		
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00				Fn BldTD	0.2	0.0		
Roof Cond	978	0	978	7	978	Roof Cond	-245	11.11				Fn Frict	0.7	0.0		
Glass Solar	0	0	0	0	0	Glass Solar	0	0.00								
Glass/Door Cond	0	0	0	0	0	Glass/Door Cond	0	0.00								
Wall Cond	6,624	0	6,624	47	6,624	Wall Cond	-1,180	53.48								
Partition/Door	592	0	592	4	592	Partition/Door	-563	25.51								
Floor	0	0	0	0	0	Floor	0	0.00								
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00								
Infiltration	0	0	0	0	0	Infiltration	0	0.00								
<i>Sub Total ==></i>	8,194	0	8,194	59	8,194	<i>Sub Total ==></i>	-1,987	90.10								
Internal Loads				Internal Loads								AIRFLOWS				
Lights	898	0	898	6	898	Lights	0	0.00				Cooling	Heating			
People	1,306	0	1,306	9	691	People	0	0.00				Diffuser	498	498		
Misc	2,346	0	2,346	17	2,346	Misc	0	0.00				Terminal	498	498		
<i>Sub Total ==></i>	4,550	0	4,550	33	3,935	<i>Sub Total ==></i>	0	0.00				Main Fan	498	498		
Ceiling Load	0	0	0	0	0	Ceiling Load	0	0.00				Sec Fan	0	0		
Ventilation Load	0	0	627	4	0	Ventilation Load	0	0.00				Nom Vent	15	0		
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0				AHU Vent	15	0		
Dehumid. Ov Sizing	0	0	0	0	0	Ov/Undr Sizing	0	0.00				Infil	0	0		
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	0	0.00				MinStop/Rh	0	0		
Exhaust Heat	0	0	0	0	0	OA Preheat Diff.	82	-3.70				Return	498	498		
Sup. Fan Heat	0	590	4	0	0	RA Preheat Diff.	-300	13.60				Exhaust	15	0		
Ret. Fan Heat	0	0	0	0	0	Additional Reheat	0	0.00				Rm Exh	0	0		
Duct Heat Pkup	0	0	0	0	0	System Plenum Heat	0	0.00				Auxiliary	0	0		
Underflr Sup Ht Pkup	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00				Leakage Dwn	0	0		
Supply Air Leakage	0	0	0	0	0	Supply Air Leakage	0	0.00				Leakage Ups	0	0		
Grand Total ==>	12,744	0	13,961	100.00	12,129	Grand Total ==>	-1,987	100.00				ENGINEERING CKS				

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Lvg	Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb								ft²
Main Clg	1.2	14.0	13.0	498	75.5	59.6	51.3	52.0	49.4	48.3	Floor	150		Main Htg	0.0	498	69.6	73.6
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	111		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0						
Total	1.2	14.0									Roof	150	0	Humidif	0.0	0	0.0	0.0
											Wall	193	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	Total	0.0			

Zone Checksums

By Trial

OFICINA 2 NIVEL ESTACIONAMIENTO

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 6 / 16		Mo/Hr: 5 / 16		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 99 / 77 / 104		OADB: 100		OADB: 57								
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total			
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)			
Envelope Loads				Envelope Loads				Envelope Loads						
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	SADB	53.1	72.5
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Ra Plenum	75.0	70.0
Roof Cond	1,599	0	1,599	19	1,612	25	-235	24.47	-235	-235	24.47	Return	75.0	70.0
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Ret/OA	76.4	70.0
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Partition/Door	819	0	819	10	849	13	-508	52.82	-508	-508	52.82	Fn Frict	0.7	0.0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00			
<i>Sub Total ==></i>	2,419	0	2,419	29	2,461	38	-743	77.28	-743	-743	77.28			
Internal Loads				Internal Loads				Internal Loads						
Lights	892	0	892	11	892	14	0	0.00	0	0	0.00			
People	1,317	0	1,317	16	702	11	0	0.00	0	0	0.00			
Misc	2,368	0	2,368	29	2,368	37	0	0.00	0	0	0.00			
<i>Sub Total ==></i>	4,577	0	4,577	56	3,962	62	0	0.00	0	0	0.00			
Ceiling Load	0	0	0	0	0	0	0	0.00	0	0	0.00			
Ventilation Load	0	0	927	11	0	0	0	0.00	0	0	0.00			
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00			
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00			
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00			
Exhaust Heat	0	0	0	0	0	0	82	-8.50	0	0	0.00			
Sup. Fan Heat	0	0	312	4	0	0	-300	31.21	0	0	0.00			
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00			
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<i>Grand Total ==></i>	6,996	0	8,235	100.00	6,423	100.00	-743	100.00	-743	-961	100.00			

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	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	0.7	8.2	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
Opt Vent	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	(%)
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	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°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				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 6 / 16		Mo/Hr: 5 / 16		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 99 / 77 / 104		OADB: 100		OADB: 57						SADB	53.1	71.5
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.0	70.0
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.0	70.0
Envelope Loads				Envelope Loads				Envelope Loads				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.7	0.0
Roof Cond	4,728	0	4,728	10	4,765	13	-696	17.50	-696	-696	17.50	AIRFLOWS		
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	1,494	1,494
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	1,494	1,494
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	1,494	1,494
Partition/Door	2,944	0	2,944	6	3,051	8	-1,825	45.90	-1,825	-1,825	45.90	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	100	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	100	0
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	Infil	0	0
Sub Total ==>	7,671	0	7,671	16	7,815	21	-2,521	63.40	-2,521	-2,521	63.40	MinStop/Rh	0	0
Internal Loads				Internal Loads				Internal Loads				Return	1,494	1,494
Lights	2,623	0	2,623	5	2,623	7	0	0.00	0	0	0.00	Exhaust	100	0
People	8,763	0	8,763	18	4,663	13	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	21,306	0	21,306	44	21,306	59	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	32,692	0	32,692	68	28,592	79	0	0.00	0	0	0.00	Leakage Dwn	0	0
Ceiling Load				Ceiling Load				Ceiling Load				Leakage Ups	0	0
Ventilation Load	0	0	6,105	13	0	0	0	0.00	0	0	0.00	ENGINEERING CKS		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	6.7	0.0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	3.51	3.51
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ton	371.69	
Exhaust Heat	0	0	0	0	0	0	544	-13.69	544	-13.69	50.29	ft²/ton	105.93	
Sup. Fan Heat	0	0	1,771	4	0	0	-2,000	50.29	-2,000	50.29	50.29	Btu/hr-ft²	113.28	0.00
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	20	
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	40,363	0	48,239	100.00	36,407	100.00	-2,521	100.00	-2,521	-3,977	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Lvg	Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F
Main Clg	4.0	48.2	40.7	1,494	76.6	61.6	58.2	52.0	50.1	51.1	Floor	426		Main Htg	0.0	1,494	69.1	71.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	359		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0						
Total	4.0	48.2									Roof	426	0	Humidif	0.0	0	0.0	0.0
											Wall	0	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	Total	0.0			

Zone Checksums

By Trial

SE PLANTA BAJA

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 6 / 15		Mo/Hr: 6 / 15		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 99 / 77 / 103		OADB: 99		OADB: 57			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Tot Sens Btu/h							
Envelope Loads				Envelope Loads										
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00						
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00						
Roof Cond	10,039	0	10,039	19	10,039	Roof Cond	-1,396	20.27						
Glass Solar	6,862	0	6,862	13	6,862	Glass Solar	0	0.00						
Glass/Door Cond	3,477	0	3,477	6	3,477	Glass/Door Cond	-2,171	31.52						
Wall Cond	852	0	852	2	852	Wall Cond	-288	4.18						
Partition/Door	1,847	0	1,847	3	1,847	Partition/Door	-1,213	17.61						
Floor	0	0	0	0	0	Floor	0	0.00						
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00						
Infiltration	0	0	0	0	0	Infiltration	0	0.00						
Sub Total ==>	23,077	0	23,077	43	23,077	Sub Total ==>	-5,068	73.59						
Internal Loads				Internal Loads										
Lights	4,216	1,054	5,270	10	4,216	Lights	0	0.00						
People	10,955	0	10,955	20	5,830	People	0	0.00						
Misc	6,961	0	6,961	13	6,961	Misc	0	0.00						
Sub Total ==>	22,131	1,054	23,185	43	17,006	Sub Total ==>	0	0.00						
Ceiling Load	0	0	0	0	0	Ceiling Load	0	0.00						
Ventilation Load	0	0	6,694	12	0	Ventilation Load	0	0.00						
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0						
Dehumid. Ov Sizing	0	0	0	0	0	Ov/Undr Sizing	0	0.00						
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	0	0.00						
Exhaust Heat	-73	-73	0	0	0	OA Preheat Diff.	338	-4.90						
Sup. Fan Heat	0	1,069	0	2	2	RA Preheat Diff.	-2,157	31.32						
Ret. Fan Heat	0	0	0	0	0	Additional Reheat	0	0.00						
Duct Heat Pkup	0	0	0	0	0	System Plenum Heat	0	0.00						
Underflr Sup Ht Pkup	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00						
Supply Air Leakage	0	0	0	0	0	Supply Air Leakage	0	0.00						
Grand Total ==>	45,208	981	53,952	100.00	40,083	Grand Total ==>	-5,069	-6,888	100.00					

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		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	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	(%)
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				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 6 / 16		Mo/Hr: 5 / 16		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 99 / 77 / 104		OADB: 100		OADB: 57			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens							
Envelope Loads				Envelope Loads										
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00						
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00						
Roof Cond	1,555	0	1,555	6	1,567	Roof Cond	-230	10.02						
Glass Solar	0	0	0	0	0	Glass Solar	0	0.00						
Glass/Door Cond	0	0	0	0	0	Glass/Door Cond	0	0.00						
Wall Cond	0	0	0	0	0	Wall Cond	0	0.00						
Partition/Door	1,925	0	1,925	7	1,995	Partition/Door	-1,198	52.04						
Floor	0	0	0	0	0	Floor	0	0.00						
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00						
Infiltration	0	0	0	0	0	Infiltration	0	0.00						
<i>Sub Total ==></i>	3,480	0	3,480	13	3,561	<i>Sub Total ==></i>	-1,428	62.06						
Internal Loads				Internal Loads										
Lights	854	0	854	3	854	Lights	0	0.00						
People	5,236	0	5,236	20	2,776	People	0	0.00						
Misc	12,579	0	12,579	49	12,579	Misc	0	0.00						
<i>Sub Total ==></i>	18,669	0	18,669	72	16,209	<i>Sub Total ==></i>	0	0.00						
Ceiling Load	0	0	0	0	0	Ceiling Load	0	0.00						
Ventilation Load	0	0	3,233	12	0	Ventilation Load	0	0.00						
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0						
Dehumid. Ov Sizing	0	0	0	0	0	Ov/Undr Sizing	0	0.00						
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	0	0.00						
Exhaust Heat	0	0	0	0	0	OA Preheat Diff.	162	-7.05						
Sup. Fan Heat	0	0	527	2	0	RA Preheat Diff.	-1,035	44.99						
Ret. Fan Heat	0	0	0	0	0	Additional Reheat	0	0.00						
Duct Heat Pkup	0	0	0	0	0	System Plenum Heat	0	0.00						
Underflr Sup Ht Pkup	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00						
Supply Air Leakage	0	0	0	0	0	Supply Air Leakage	0	0.00						
Grand Total ==>	22,148	0	25,909	100.00	19,770	Grand Total ==>	-1,428	100.00						

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		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	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	(%)
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				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 6 / 16		Mo/Hr: 5 / 17		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 99 / 77 / 104		OADB: 98		OADB: 57						SADB	55.0	71.3
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.0	70.0
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.0	70.0
Envelope Loads				Envelope Loads								Ret/OA	76.6	70.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.1	0.0
Roof Cond	1,555	0	1,555	5	1,376	6	-230	9.42	-230	0	0.00	Fn Frict	0.4	0.0
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	AIRFLOWS		
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	1,014	1,014
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	1,014	1,014
Partition/Door	1,925	0	1,925	6	2,034	9	-1,198	48.95	-1,198	0	0.00	Main Fan	1,014	1,014
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	70	0
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	70	0
Sub Total ==>	3,480	0	3,480	12	3,409	15	-1,428	58.37	-1,428	-1,428	58.37	Infil	0	0
Internal Loads				Internal Loads								MinStop/Rh	0	0
Lights	854	0	854	3	872	4	0	0.00	0	0	0.00	Return	1,014	1,014
People	6,109	0	6,109	21	3,270	15	0	0.00	0	0	0.00	Exhaust	70	0
Misc	14,853	0	14,853	50	14,974	66	0	0.00	0	0	0.00	Rm Exh	0	0
Sub Total ==>	21,816	0	21,816	74	19,115	85	0	0.00	0	0	0.00	Auxiliary	0	0
Ceiling Load				Ceiling Load								Leakage Dwn	0	0
Ventilation Load	0	0	3,772	13	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	ENGINEERING CKS		
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	6.9	0.0
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	7.19	7.19
Exhaust Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ton	410.05	
Sup. Fan Heat	0	0	601	2	0	0	189	-7.73	-1,208	49.36		ft²/ton	57.05	
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	210.34	0.00
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	14	
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	25,296	0	29,668	100.00	22,524	100.00	-1,428	100.00	-1,428	-2,447	100.00			

COOLING COIL SELECTION											AREAS				HEATING COIL SELECTION				
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	ft² (%)	Capacity	Coil Airflow	Ent °F	Lvg °F		
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F	gr/lb
Main Clg	2.5	29.7	24.9	1,014	76.6	63.7	67.9	54.5	53.9	61.3	Floor	141							
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	236							
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0							
Total	2.5	29.7									ExFlr	0							
											Roof	141	0	0					
											Wall	0	0	0					
											Ext Door	0	0	0					

Zone Checksums

By Trial

SJ-03 PLANTA BAJA

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 6 / 16		Mo/Hr: 5 / 16		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 99 / 77 / 104		OADB: 100		OADB: 57						SADB	55.0	72.8
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Return	75.0	70.0
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Ret/OA	76.8	70.0
Envelope Loads				Envelope Loads				Envelope Loads				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.1	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.4	0.0
Roof Cond	1,566	0	1,566	20	1,578	28	Roof Cond	-230	20.84	Roof Cond	-230			
Glass Solar	0	0	0	0	0	0	Glass Solar	0	0.00	Glass Solar	0	0.00		
Glass/Door Cond	0	0	0	0	0	0	Glass/Door Cond	0	0.00	Glass/Door Cond	0	0.00		
Wall Cond	0	0	0	0	0	0	Wall Cond	0	0.00	Wall Cond	0	0.00		
Partition/Door	943	0	943	12	977	17	Partition/Door	-584	52.84	Partition/Door	-584	52.84		
Floor	0	0	0	0	0	0	Floor	0	0.00	Floor	0	0.00		
Adjacent Floor	0	0	0	0	0	0	Adjacent Floor	0	0.00	Adjacent Floor	0	0.00		
Infiltration	0	0	0	0	0	0	Infiltration	0	0.00	Infiltration	0	0.00		
<i>Sub Total ==></i>	2,509	0	2,509	32	2,555	45	<i>Sub Total ==></i>	-815	73.68	<i>Sub Total ==></i>	-815	73.68		
Internal Loads				Internal Loads				Internal Loads						
Lights	869	0	869	11	869	15	Lights	0	0.00	Lights	0	0.00		
People	1,753	0	1,753	23	933	16	People	0	0.00	People	0	0.00		
Misc	1,376	0	1,376	18	1,376	24	Misc	0	0.00	Misc	0	0.00		
<i>Sub Total ==></i>	3,997	0	3,997	52	3,177	55	<i>Sub Total ==></i>	0	0.00	<i>Sub Total ==></i>	0	0.00		
Ceiling Load	0	0	0	0	0	0	Ceiling Load	0	0.00	Ceiling Load	0	0.00		
Ventilation Load	0	0	1,078	14	0	0	Ventilation Load	0	0.00	Ventilation Load	0	0.00		
Adj Air Trans Heat	0	0	0	0	0	0	Adj Air Trans Heat	0	0	Adj Air Trans Heat	0	0		
Dehumid. Ov Sizing	0	0	0	0	0	0	Ov/Undr Sizing	0	0.00	Ov/Undr Sizing	0	0.00		
Exhaust Heat	0	0	0	0	0	0	Exhaust Heat	0	0.00	Exhaust Heat	0	0.00		
Sup. Fan Heat	0	0	153	2	0	0	OA Preheat Diff.	54	-4.89	OA Preheat Diff.	54	-4.89		
Ret. Fan Heat	0	0	0	0	0	0	RA Preheat Diff.	-345	31.20	RA Preheat Diff.	-345	31.20		
Duct Heat Pkup	0	0	0	0	0	0	Additional Reheat	0	0.00	Additional Reheat	0	0.00		
Underflr Sup Ht Pkup	0	0	0	0	0	0	System Plenum Heat	0	0.00	System Plenum Heat	0	0.00		
Supply Air Leakage	0	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00	Underflr Sup Ht Pkup	0	0.00		
Supply Air Leakage	0	0	0	0	0	0	Supply Air Leakage	0	0.00	Supply Air Leakage	0	0.00		
<i>Grand Total ==></i>	6,506	0	7,736	100.00	5,732	100.00	<i>Grand Total ==></i>	-815	100.00	<i>Grand Total ==></i>	-1,106	100.00		

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	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	0.6	7.7	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
Opt Vent	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	(%)
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	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°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				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 6 / 16		Mo/Hr: 5 / 16		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 99 / 77 / 104		OADB: 100		OADB: 57						SADB	55.0	72.8
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Return	75.0	70.0
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Ret/OA	76.8	70.0
Envelope Loads				Envelope Loads				Envelope Loads				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.1	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.4	0.0
Roof Cond	1,566	0	1,566	20	1,578	28	Roof Cond	-230	20.84	Roof Cond	-230			
Glass Solar	0	0	0	0	0	0	Glass Solar	0	0.00	Glass Solar	0	0.00		
Glass/Door Cond	0	0	0	0	0	0	Glass/Door Cond	0	0.00	Glass/Door Cond	0	0.00		
Wall Cond	0	0	0	0	0	0	Wall Cond	0	0.00	Wall Cond	0	0.00		
Partition/Door	943	0	943	12	977	17	Partition/Door	-584	52.84	Partition/Door	-584	52.84		
Floor	0	0	0	0	0	0	Floor	0	0.00	Floor	0	0.00		
Adjacent Floor	0	0	0	0	0	0	Adjacent Floor	0	0.00	Adjacent Floor	0	0.00		
Infiltration	0	0	0	0	0	0	Infiltration	0	0.00	Infiltration	0	0.00		
<i>Sub Total ==></i>	2,509	0	2,509	32	2,555	45	<i>Sub Total ==></i>	-815	73.68	<i>Sub Total ==></i>	-815	73.68		
Internal Loads				Internal Loads				Internal Loads						
Lights	869	0	869	11	869	15	Lights	0	0.00	Lights	0	0.00		
People	1,753	0	1,753	23	933	16	People	0	0.00	People	0	0.00		
Misc	1,376	0	1,376	18	1,376	24	Misc	0	0.00	Misc	0	0.00		
<i>Sub Total ==></i>	3,997	0	3,997	52	3,177	55	<i>Sub Total ==></i>	0	0.00	<i>Sub Total ==></i>	0	0.00		
Ceiling Load	0	0	0	0	0	0	Ceiling Load	0	0.00	Ceiling Load	0	0.00		
Ventilation Load	0	0	1,078	14	0	0	Ventilation Load	0	0.00	Ventilation Load	0	0.00		
Adj Air Trans Heat	0	0	0	0	0	0	Adj Air Trans Heat	0	0	Adj Air Trans Heat	0	0		
Dehumid. Ov Sizing	0	0	0	0	0	0	Ov/Undr Sizing	0	0.00	Ov/Undr Sizing	0	0.00		
Ov/Undr Sizing	0	0	0	0	0	0	Exhaust Heat	0	0.00	Exhaust Heat	0	0.00		
Exhaust Heat	0	0	0	0	0	0	OA Preheat Diff.	54	-4.89	OA Preheat Diff.	54	-4.89		
Sup. Fan Heat	0	0	153	2	0	0	RA Preheat Diff.	-345	31.20	RA Preheat Diff.	-345	31.20		
Ret. Fan Heat	0	0	0	0	0	0	Additional Reheat	0	0.00	Additional Reheat	0	0.00		
Duct Heat Pkup	0	0	0	0	0	0	System Plenum Heat	0	0.00	System Plenum Heat	0	0.00		
Underflr Sup Ht Pkup	0	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00	Underflr Sup Ht Pkup	0	0.00		
Supply Air Leakage	0	0	0	0	0	0	Supply Air Leakage	0	0.00	Supply Air Leakage	0	0.00		
Grand Total ==>	6,506	0	7,736	100.00	5,732	100.00	Grand Total ==>	-815	100.00	Grand Total ==>	-1,106	100.00		

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		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	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	(%)
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
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				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 6 / 16		Mo/Hr: 5 / 16		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 99 / 77 / 104		OADB: 100		OADB: 57						SADB	55.0	71.4
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Return	75.0	70.0
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Ret/OA	76.6	70.0
Envelope Loads				Envelope Loads								Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.1	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.4	0.0
Roof Cond	1,555	0	1,555	6	1,567	8	-230	10.02	-230	-230	10.02	AIRFLOWS		
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	890	890
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	890	890
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	890	890
Partition/Door	1,925	0	1,925	7	1,995	10	-1,198	52.04	-1,198	-1,198	52.04	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	60	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	60	0
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	Infil	0	0
Sub Total ==>	3,480	0	3,480	13	3,561	18	-1,428	62.06	-1,428	-1,428	62.06	MinStop/Rh	0	0
Internal Loads				Internal Loads								Return	890	890
Lights	854	0	854	3	854	4	0	0.00	0	0	0.00	Exhaust	60	0
People	5,236	0	5,236	20	2,776	14	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	12,579	0	12,579	49	12,579	64	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	18,669	0	18,669	72	16,209	82	0	0.00	0	0	0.00	Leakage Dwn	0	0
Ceiling Load				Ceiling Load								Leakage Ups	0	0
Ventilation Load	0	0	3,233	12	0	0	0	0.00	0	0	0.00	ENGINEERING CKS		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	6.7	0.0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	6.31	6.31
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ton	412.14	
Exhaust Heat	0	0	0	0	0	0	162	-7.05	162	-7.05	44.99	ft²/ton	65.33	
Sup. Fan Heat	0	0	527	2	0	0	-1,035	44.99	-1,035	44.99	44.99	Btu/hr-ft²	183.68	0.00
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	12	
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	22,148	0	25,909	100.00	19,770	100.00	-1,428	100.00	-1,428	-2,301	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION							
	Total Capacity		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass ft² (%)	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F				
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb										
Main Clg	2.2	25.9	21.8	890	76.6	63.7	67.8	54.5	53.9	61.4	Floor	141				Main Htg	0.0	890	69.1	71.4
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	236				Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0				Preheat	0.0	0	0.0	0.0
											ExFlr	0				Humidif	0.0	0	0.0	0.0
Total	2.2	25.9									Roof	141	0	0		Opt Vent	0.0	0	0.0	0.0
											Wall	0	0	0		Total	0.0			
											Ext Door	0	0	0						

Zone Checksums

By Trial

SL PLANTA BAJA

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 1 / 17		Mo/Hr: 1 / 17		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design				
Outside Air:		OADB/WB/HR: 90 / 71 / 87		OADB: 90		OADB: 90		OADB: 57		OADB: 57				
	Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)		Space Peak	Coil Peak	Percent				
	Btu/h	Btu/h	Btu/h		Btu/h			Space Sens	Tot Sens	Of Total				
								Btu/h	Btu/h	(%)				
Envelope Loads				Envelope Loads				Envelope Loads				AIRFLOWS		
Skylite Solar	0	0	0	0	0	0	Skylite Solar	0	0	0.00				
Skylite Cond	0	0	0	0	0	0	Skylite Cond	0	0	0.00				
Roof Cond	888	0	888	7	888	8	Roof Cond	-228	-228	6.54				
Glass Solar	0	0	0	0	0	0	Glass Solar	0	0	0.00				
Glass/Door Cond	0	0	0	0	0	0	Glass/Door Cond	0	0	0.00				
Wall Cond	6,587	0	6,587	53	6,587	59	Wall Cond	-1,180	-1,180	33.78				
Partition/Door	1,952	0	1,952	16	1,952	18	Partition/Door	-1,866	-1,866	53.43				
Floor	0	0	0	0	0	0	Floor	0	0	0.00				
Adjacent Floor	0	0	0	0	0	0	Adjacent Floor	0	0	0.00				
Infiltration	0	0	0	0	0	0	Infiltration	0	0	0.00				
Sub Total ==>	9,427	0	9,427	75	9,427	85	Sub Total ==>	-3,274	-3,274	93.75				
Internal Loads				Internal Loads				Internal Loads				ENGINEERING CKS		
Lights	797	0	797	6	797	7	Lights	0	0	0.00				
People	1,291	0	1,291	10	676	6	People	0	0	0.00				
Misc	222	0	222	2	222	2	Misc	0	0	0.00				
Sub Total ==>	2,310	0	2,310	18	1,695	15	Sub Total ==>	0	0	0.00				
Ceiling Load	0	0	0	0	0	0	Ceiling Load	0	0	0.00				
Ventilation Load	0	0	471	4	0	0	Ventilation Load	0	0	0.00				
Adj Air Trans Heat	0	0	0	0	0	0	Adj Air Trans Heat	0	0	0				
Dehumid. Ov Sizing	0	0	0	0	0	0	Ov/Undr Sizing	0	0	0.00				
Ov/Undr Sizing	0	0	0	0	0	0	Exhaust Heat	0	0	0.00				
Exhaust Heat	0	0	0	0	0	0	OA Preheat Diff.	41	-1.16					
Sup. Fan Heat	0	0	297	2	0	0	RA Preheat Diff.	-259	7.41					
Ret. Fan Heat	0	0	0	0	0	0	Additional Reheat	0	0.00					
Duct Heat Pkup	0	0	0	0	0	0	System Plenum Heat	0	0.00					
Underflr Sup Ht Pkup	0	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00					
Supply Air Leakage	0	0	0	0	0	0	Supply Air Leakage	0	0.00					
Grand Total ==>	11,737	0	12,505	100.00	11,122	100.00	Grand Total ==>	-3,274	-3,492	100.00				

COOLING COIL SELECTION										AREAS				HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
Main Clg	1.0	12.5	11.7	501	75.4	62.8	65.8	54.5	54.4	63.4	Floor	140	0.0	501	69.6	75.9		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	367	0.0	0	0.0	0.0		
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	0.0	0	0.0	0.0		
											ExFlr	0	0.0	0	0.0	0.0		
Total	1.0	12.5									Roof	140	0	0	0.0	0.0		
											Wall	193	0	0	0.0	0.0		
											Ext Door	0	0	0	0.0	0.0		

Zone Checksums

By Trial

UM PLANTA BAJA

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES					
Peaked at Time:		Mo/Hr: 6 / 16		Mo/Hr: 5 / 16		Mo/Hr: Heating Design			Cooling			Heating				
Outside Air:		OADB/WB/HR: 99 / 77 / 104		OADB: 100		OADB: 57			SADB			Ra Plenum				
	Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return			Ret/OA			
	Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens		Fn MtrTD			Fn BldTD			
							Btu/h	Btu/h		Fn Frict						
Envelope Loads				Envelope Loads							AIRFLOWS					
Skylite Solar	0	0	0	0	0	0	Skylite Solar	0	0.00	Diffuser			1,131			
Skylite Cond	0	0	0	0	0	0	Skylite Cond	0	0.00	Terminal			1,131			
Roof Cond	4,669	0	4,669	12	4,706	19	Roof Cond	-689	13.06	Main Fan			1,131			
Glass Solar	0	0	0	0	0	0	Glass Solar	0	0.00	Sec Fan			0			
Glass/Door Cond	0	0	0	0	0	0	Glass/Door Cond	0	0.00	Nom Vent			150			
Wall Cond	0	0	0	0	0	0	Wall Cond	0	0.00	AHU Vent			150			
Partition/Door	3,874	0	3,874	10	4,015	16	Partition/Door	-2,405	45.58	Infil			0			
Floor	0	0	0	0	0	0	Floor	0	0.00	MinStop/Rh			0			
Adjacent Floor	0	0	0	0	0	0	Adjacent Floor	0	0.00	Return			1,131			
Infiltration	0	0	0	0	0	0	Infiltration	0	0.00	Exhaust			150			
Sub Total ==>	8,544	0	8,544	22	8,720	35	Sub Total ==>	-3,094	58.64	Rm Exh			0			
Internal Loads				Internal Loads							ENGINEERING CKS					
Lights	2,581	0	2,581	6	2,581	10	Lights	0	0.00	% OA			13.3			
People	13,124	0	13,124	33	6,974	28	People	0	0.00	cfm/ft²			2.68			
Misc	6,725	0	6,725	17	6,725	27	Misc	0	0.00	cfm/ton			341.64			
Sub Total ==>	22,430	0	22,430	56	16,280	65	Sub Total ==>	0	0.00	ft²/ton			127.38			
Ceiling Load				Ceiling Load							Btu/hr-ft²					
Ventilation Load	0	0	8,077	20	0	0	Ventilation Load	0	0.00	No. People			30			
Adj Air Trans Heat	0	0	0	0	0	0	Adj Air Trans Heat	0	0							
Dehumid. Ov Sizing	0	0	0	0	0	0	Ov/Undr Sizing	0	0.00							
Ov/Undr Sizing	0	0	0	0	0	0	Exhaust Heat	0	0.00							
Exhaust Heat	0	0	0	0	0	0	OA Preheat Diff.	389	-7.37							
Sup. Fan Heat	0	0	670	2	0	0	RA Preheat Diff.	-2,572	48.73							
Ret. Fan Heat	0	0	0	0	0	0	Additional Reheat	0	0.00							
Duct Heat Pkup	0	0	0	0	0	0	System Plenum Heat	0	0.00							
Underflr Sup Ht Pkup	0	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00							
Supply Air Leakage	0	0	0	0	0	0	Supply Air Leakage	0	0.00							
Grand Total ==>	30,973	0	39,721	100.00	25,000	100.00	Grand Total ==>	-3,094	-5,277	100.00						

COOLING COIL SELECTION											AREAS				HEATING COIL SELECTION				
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity		Coil Airflow	Ent	Lvg		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft² (%)	MBh	cfm	°F	°F			
Main Clg	3.3	39.7	29.5	1,131	78.2	64.7	70.4	54.6	53.0	57.8	Floor	422	0.0	1,131	68.3	72.5			
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	473	0.0	0	0.0	0.0			
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	0.0	0	0.0	0.0			
											ExFlr	0	0.0	0	0.0	0.0			
Total	3.3	39.7									Roof	422	0.0	0	0.0	0.0			
											Wall	0	0	0	0.0	0.0			
											Ext Door	0	0	0	0.0	0.0			
											Total	0.0							

Zone Checksums

By Trial

VU PLANTA BAJA

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 5 / 16		Mo/Hr: 5 / 16		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 100 / 76 / 99		OADB: 100		OADB: 57						SADB	55.0	73.2
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Return	75.0	70.0
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Ret/OA	75.8	70.0
Envelope Loads				Envelope Loads								Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.1	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.4	0.0
Roof Cond	1,943	0	1,943	23	1,943	26	-284	21.50	-284	-284	21.50	AIRFLOWS		
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	332	332
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	332	332
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	332	332
Partition/Door	1,490	0	1,490	18	1,490	20	-892	67.49	-892	-892	67.49	Sec Fan	0	0
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	10	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	10	0
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	Infil	0	0
Sub Total ==>	3,433	0	3,433	40	3,433	47	-1,176	88.99	-1,176	-1,176	88.99	MinStop/Rh	0	0
Internal Loads				Internal Loads								Return	332	332
Lights	1,068	0	1,068	13	1,068	14	0	0.00	0	0	0.00	Exhaust	10	0
People	876	0	876	10	466	6	0	0.00	0	0	0.00	Rm Exh	0	0
Misc	2,408	0	2,408	28	2,408	33	0	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	4,351	0	4,351	51	3,941	53	0	0.00	0	0	0.00	Leakage Dwn	0	0
Ceiling Load				Ceiling Load								Leakage Ups	0	0
Ventilation Load	0	0	509	6	0	0	0	0.00	0	0	0.00	ENGINEERING CKS		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	3.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	1.91	1.91
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ton	469.12	
Exhaust Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	ft²/ton	245.77	
Sup. Fan Heat	0	0	197	2	0	0	0	0.00	0	27	-2.04	Btu/hr-ft²	48.83	0.00
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	-173	13.06	No. People	2	
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
Grand Total ==>	7,784	0	8,490	100.00	7,374	100.00	-1,176	100.00	-1,322	-1,322	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg			
ton	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft² (%)	MBh	cfm	°F	°F			
Main Clg	0.7	8.5	7.9	332	75.8	63.0	66.2	54.5	54.4	63.4	Floor	174	0.0	332	69.6	73.2	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	176	0.0	0	0.0	0.0	
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	0.0	0	0.0	0.0	
											ExFlr	0	0.0	0	0.0	0.0	
Total	0.7	8.5									Roof	174	0	0	0.0	0.0	
											Wall	0	0	0	0.0	0.0	
											Ext Door	0	0	0	0.0	0.0	

Room Checksums

By Trial

AVI + SE NIVEL ESTACIONAMIENTO

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 5 / 15		Mo/Hr: 5 / 15		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 101 / 76 / 98		OADB: 101		OADB: 57			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Tot Sens Btu/h							
Envelope Loads				Envelope Loads										
Skylite Solar	0	0	0	0	0	0	0	0.00						
Skylite Cond	0	0	0	0	0	0	0	0.00						
Roof Cond	52,241	0	52,241	20	52,241	27	-7,188	19.41						
Glass Solar	15,055	0	15,055	6	15,055	8	0	0.00						
Glass/Door Cond	10,783	0	10,783	4	10,783	6	-6,546	17.67						
Wall Cond	6,707	0	6,707	3	6,707	4	-2,426	6.55						
Partition/Door	20,223	0	20,223	8	20,223	11	-12,876	34.76						
Floor	0	0	0	0	0	0	0	0.00						
Adjacent Floor	0	0	0	0	0	0	0	0.00						
Infiltration	0	0	0	0	0	0	0	0.00						
Sub Total ==>	105,009	0	105,009	41	105,009	55	-29,037	78.39						
Internal Loads				Internal Loads										
Lights	21,123	5,281	26,404	10	21,123	11	0	0.00						
People	47,968	0	47,968	19	25,418	13	0	0.00						
Misc	38,797	0	38,797	15	38,797	20	0	0.00						
Sub Total ==>	107,888	5,281	113,169	44	85,338	45	0	0.00						
Ceiling Load	0	0	0	0	0	0	0	0.00						
Ventilation Load	0	0	31,884	12	0	0	0	0.00						
Adj Air Trans Heat	0	0	0	0	0	0	0	0						
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00						
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00						
Exhaust Heat	0	-372	-372	0	0	0	0	0.00						
Sup. Fan Heat	0	0	9,258	4	0	0	2,994	-8.08						
Ret. Fan Heat	0	0	0	0	0	0	-10,998	29.69						
Duct Heat Pkup	0	0	0	0	0	0	0	0.00						
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00						
Supply Air Leakage	0	0	0	0	0	0	0	0.00						
Grand Total ==>	212,897	4,909	258,949	100.00	190,347	100.00	-29,037	-37,041	100.00					

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		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	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	(%)
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	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°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				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES					
Peaked at Time:		Mo/Hr: 5 / 16		Mo/Hr: 5 / 16		Mo/Hr: Heating Design			Cooling		Heating	SADB	55.0	75.1		
Outside Air:		OADB/WB/HR: 100 / 76 / 99		OADB: 100		OADB: 57			Ra Plenum		70.0	Return	75.0	70.0		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Ret/OA <th>Fn MtrTD <th>Fn BldTD <th>Fn Frict <td colspan="2"></td> </th></th></th>	Fn MtrTD <th>Fn BldTD <th>Fn Frict <td colspan="2"></td> </th></th>	Fn BldTD <th>Fn Frict <td colspan="2"></td> </th>	Fn Frict <td colspan="2"></td>				
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Tot Sens Btu/h		77.0 <th>0.1 <th>0.0 <th>0.0 <td colspan="2"></td> </th></th></th>	0.1 <th>0.0 <th>0.0 <td colspan="2"></td> </th></th>	0.0 <th>0.0 <td colspan="2"></td> </th>	0.0 <td colspan="2"></td>				
Envelope Loads				Envelope Loads							AIRFLOWS					
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Cooling		Heating					
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	251		251					
Roof Cond	1,567	0	1,567	21	1,567	28	Roof Cond	-230	13.41	Terminal		251		251		
Glass Solar	0	0	0	0	0	0	Glass Solar	0	0.00	Main Fan		251		251		
Glass/Door Cond	0	0	0	0	0	0	Glass/Door Cond	0	0.00	Sec Fan		0		0		
Wall Cond	0	0	0	0	0	0	Wall Cond	0	0.00	Nom Vent		20		0		
Partition/Door	1,995	0	1,995	26	1,995	36	Partition/Door	-1,198	69.66	AHU Vent		20		0		
Floor	0	0	0	0	0	0	Floor	0	0.00	Infil		0		0		
Adjacent Floor	0	0	0	0	0	0	Adjacent Floor	0	0.00	MinStop/Rh		0		0		
Infiltration	0	0	0	0	0	0	Infiltration	0	0.00	Return		251		251		
Sub Total ==>	3,561	0	3,561	47	3,561	64	Sub Total ==>	-1,428	83.07	Exhaust		20		0		
Internal Loads				Internal Loads							Rm Exh		0		0	
Lights	854	0	854	11	854	15	Lights	0	0.00	Auxiliary		0		0		
People	1,745	0	1,745	23	925	17	People	0	0.00	Leakage Dwn		0		0		
Misc	229	0	229	3	229	4	Misc	0	0.00	Leakage Ups		0		0		
Sub Total ==>	2,829	0	2,829	37	2,009	36	Sub Total ==>	0	0.00							
Ceiling Load				Ceiling Load							ENGINEERING CKS					
Ventilation Load	0	0	1,019	13	0	0	Ventilation Load	0	0.00	Cooling		Heating				
Adj Air Trans Heat	0	0	0	0	0	0	Adj Air Trans Heat	0	0	% OA		8.0		0.0		
Dehumid. Ov Sizing	0	0	0	0	0	0	Ov/Undr Sizing	0	0.00	cfm/ft²		1.78		1.78		
Ov/Undr Sizing	0	0	0	0	0	0	Exhaust Heat	0	0.00	cfm/ton		398.09				
Exhaust Heat	0	0	0	0	0	0	OA Preheat Diff.	54	-3.14	ft²/ton		223.98				
Sup. Fan Heat	0	0	149	2	0	0	RA Preheat Diff.	-345	20.07	Btu/hr-ft²		53.58		0.00		
Ret. Fan Heat	0	0	0	0	0	0	Additional Reheat	0	0.00	No. People						
Duct Heat Pkup	0	0	0	0	0	0	System Plenum Heat	0	0.00	4.0		28.4/1000 ft²				
Underflr Sup Ht Pkup	0	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00							
Supply Air Leakage	0	0	0	0	0	0	Supply Air Leakage	0	0.00							
Grand Total ==>	6,390	0	7,557	100.00	5,570	100.00	Grand Total ==>	-1,428	-1,719							

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F	
Main Clg	0.6	7.6	6.3	251	77.0	63.8	67.8	54.5	53.7	60.5	Floor	141	Main Htg	0.0	251	69.0	75.1
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	236	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
											ExFlr	0	Humidif	0.0	0	0.0	0.0
Total	0.6	7.6									Roof	141	0	0.0	0.0	0.0	0.0
											Wall	0	0	0	0.0	0.0	0.0
											Ext Door	0	0	0	0.0	0.0	0.0
													Total	0.0			

Room Checksums

By Trial

CE PLANTA BAJA

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 5 / 16		Mo/Hr: 5 / 16		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 100 / 76 / 99		OADB: 100		OADB: 57			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens		75.0	75.0	0.0	0.0	0.0	
Envelope Loads				Envelope Loads										
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	75.0	70.0	0.0	0.0	0.0	
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	75.0	70.0	0.0	0.0	0.0	
Roof Cond	1,915	0	1,915	11	1,915	11	Roof Cond	-284	10.86					
Glass Solar	0	0	0	0	0	0	Glass Solar	0	0.00					
Glass/Door Cond	0	0	0	0	0	0	Glass/Door Cond	0	0.00					
Wall Cond	0	0	0	0	0	0	Wall Cond	0	0.00					
Partition/Door	3,873	0	3,873	23	3,873	23	Partition/Door	-2,334	89.14					
Floor	0	0	0	0	0	0	Floor	0	0.00					
Adjacent Floor	0	0	0	0	0	0	Adjacent Floor	0	0.00					
Infiltration	0	0	0	0	0	0	Infiltration	0	0.00					
<i>Sub Total ==></i>	5,788	0	5,788	34	5,788	34	<i>Sub Total ==></i>	-2,618	100.00					
Internal Loads				Internal Loads										
Lights	1,036	0	1,036	6	1,036	6	Lights	0	0.00					
People	0	0	0	0	0	0	People	0	0.00					
Misc	9,967	0	9,967	59	9,967	59	Misc	0	0.00					
<i>Sub Total ==></i>	11,003	0	11,003	65	11,003	66	<i>Sub Total ==></i>	0	0.00					
Ceiling Load	0	0	0	0	0	0	Ceiling Load	0	0.00					
Ventilation Load	0	0	0	0	0	0	Ventilation Load	0	0.00					
Adj Air Trans Heat	0	0	0	0	0	0	Adj Air Trans Heat	0	0					
Dehumid. Ov Sizing	0	0	0	0	0	0	Ov/Undr Sizing	0	0.00					
Ov/Undr Sizing	0	0	0	0	0	0	Exhaust Heat	0	0.00					
Exhaust Heat	0	0	0	0	0	0	OA Preheat Diff.	0	0.00					
Sup. Fan Heat	0	72	0	0	0	0	RA Preheat Diff.	0	0.00					
Ret. Fan Heat	0	0	0	0	0	0	Additional Reheat	0	0.00					
Duct Heat Pkup	0	0	0	0	0	0	System Plenum Heat	0	0.00					
Underflr Sup Ht Pkup	0	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00					
Supply Air Leakage	0	0	0	0	0	0	Supply Air Leakage	0	0.00					
Grand Total ==>	16,791	0	16,863	100.00	16,791	100.00	Grand Total ==>	-2,618	-2,618	100.00				

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		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	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	(%)
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
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				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 6 / 16		Mo/Hr: 5 / 16		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 99 / 77 / 104		OADB: 100		OADB: 57			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Tot Sens Btu/h							
Envelope Loads				Envelope Loads										
Skylite Solar	0	0	0	0	0	0	0	0.00						
Skylite Cond	0	0	0	0	0	0	0	0.00						
Roof Cond	8,555	0	8,555	16	8,622	22	-1,262	16.46						
Glass Solar	0	0	0	0	0	0	0	0.00						
Glass/Door Cond	0	0	0	0	0	0	0	0.00						
Wall Cond	0	0	0	0	0	0	0	0.00						
Partition/Door	7,389	0	7,389	14	7,657	19	-4,588	59.82						
Floor	0	0	0	0	0	0	0	0.00						
Adjacent Floor	0	0	0	0	0	0	0	0.00						
Infiltration	0	0	0	0	0	0	0	0.00						
<i>Sub Total ==></i>	15,944	0	15,944	31	16,279	41	-5,850	76.28						
Internal Loads				Internal Loads										
Lights	4,729	0	4,729	9	4,729	12	0	0.00						
People	10,937	0	10,937	21	5,812	15	0	0.00						
Misc	12,682	0	12,682	24	12,682	32	0	0.00						
<i>Sub Total ==></i>	28,347	0	28,347	54	23,222	59	0	0.00						
Ceiling Load	0	0	0	0	0	0	0	0.00						
Ventilation Load	0	0	6,735	13	0	0	0	0.00						
Adj Air Trans Heat	0	0	0	0	0	0	0	0						
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00						
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00						
Exhaust Heat	0	0	0	0	0	0	0	0.00						
Sup. Fan Heat	0	0	1,054	2	0	0	338	-4.40						
Ret. Fan Heat	0	0	0	0	0	0	-2,157	28.12						
Duct Heat Pkup	0	0	0	0	0	0	0	0.00						
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00						
Supply Air Leakage	0	0	0	0	0	0	0	0.00						
Grand Total ==>	44,291	0	52,080	100.00	39,501	100.00	-5,850	-7,669	100.00					

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		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	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	(%)
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	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°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

COMEDOR NIVEL ESTACIONAMIENTO

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 6 / 16		Mo/Hr: 5 / 15		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 99 / 77 / 104		OADB: 101		OADB: 57						SADB	53.1	73.4
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.0	70.0
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.0	70.0
Envelope Loads				Envelope Loads				Envelope Loads				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.7	0.0
Roof Cond	1,599	0	1,599	19	1,709	34	Roof Cond	-235	-235	19.07				
Glass Solar	0	0	0	0	0	Glass Solar	0	0.00	Glass Solar	0	0.00			
Glass/Door Cond	0	0	0	0	0	Glass/Door Cond	0	0.00	Glass/Door Cond	0	0.00			
Wall Cond	0	0	0	0	0	Wall Cond	0	0.00	Wall Cond	0	0.00			
Partition/Door	906	0	906	11	882	17	Partition/Door	-561	-561	45.52				
Floor	0	0	0	0	0	Floor	0	0.00	Floor	0	0.00			
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	Adjacent Floor	0	0.00			
Infiltration	0	0	0	0	0	Infiltration	0	0.00	Infiltration	0	0.00			
<i>Sub Total ==></i>	2,504	0	2,504	31	2,591	51	<i>Sub Total ==></i>	-796	-796	64.59				
Internal Loads				Internal Loads				Internal Loads						
Lights	885	0	885	11	864	17	Lights	0	0	0.00				
People	2,631	0	2,631	32	1,386	27	People	0	0	0.00				
Misc	236	0	236	3	234	5	Misc	0	0	0.00				
<i>Sub Total ==></i>	3,752	0	3,752	46	2,484	49	<i>Sub Total ==></i>	0	0	0.00				
Ceiling Load	0	0	0	0	0	0	Ceiling Load	0	0	0.00				
Ventilation Load	0	0	1,699	21	0	0	Ventilation Load	0	0	0.00				
Adj Air Trans Heat	0	0	0	0	0	0	Adj Air Trans Heat	0	0	0				
Dehumid. Ov Sizing	0	0	0	0	0	0	Ov/Undr Sizing	0	0	0.00				
Ov/Undr Sizing	0	0	0	0	0	0	Exhaust Heat	0	0	0.00				
Exhaust Heat	0	0	0	0	0	0	OA Preheat Diff.	163	-13.24					
Sup. Fan Heat	0	0	247	3	0	0	RA Preheat Diff.	-600	48.65					
Ret. Fan Heat	0	0	0	0	0	0	Additional Reheat	0	0.00					
Duct Heat Pkup	0	0	0	0	0	0	System Plenum Heat	0	0.00					
Underflr Sup Ht Pkup	0	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00					
Supply Air Leakage	0	0	0	0	0	0	Supply Air Leakage	0	0.00					
Grand Total ==>	6,256	0	8,202	100.00	5,074	100.00	Grand Total ==>	-796	-1,233	100.00				

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		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	0.7	8.2	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	(%)
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	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°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				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 9 / 16		Mo/Hr: 1 / 17		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 96 / 77 / 111		OADB: 90		OADB: 57						SADB	55.0	75.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.0	70.0
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	75.0	70.0
Envelope Loads				Envelope Loads								Ret/OA	75.4	70.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.1	0.0
Roof Cond	3,206	0	3,206	17	2,164	13	-536	12.19	-536	-536	12.19	Fn Frict	0.4	0.0
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00			
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00			
Wall Cond	4,718	0	4,718	26	6,653	40	-1,180	26.84	-1,180	-1,180	26.84			
Partition/Door	3,347	0	3,347	18	2,602	16	-2,461	56.00	-2,461	-2,461	56.00			
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00			
<i>Sub Total ==></i>	11,271	0	11,271	61	11,419	68	-4,176	95.03	-4,176	-4,176	95.03			
Internal Loads				Internal Loads								AIRFLOWS		
Lights	1,947	0	1,947	11	1,989	12	0	0.00	0	0	0.00	Cooling	Heating	
People	1,303	0	1,303	7	695	4	0	0.00	0	0	0.00	Diffuser	754	754
Misc	2,625	0	2,625	14	2,647	16	0	0.00	0	0	0.00	Terminal	754	754
<i>Sub Total ==></i>	5,876	0	5,876	32	5,331	32	0	0.00	0	0	0.00	Main Fan	754	754
Ceiling Load				Ceiling Load								Sec Fan	0	0
Ventilation Load	0	0	824	4	0	0	0	0.00	0	0	0.00	Nom Vent	15	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	15	0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	Infil	0	0
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	MinStop/Rh	0	0
Exhaust Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	Return	754	754
Sup. Fan Heat	0	0	447	2	0	0	0	0.00	0	0	0.00	Exhaust	15	0
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	Rm Exh	0	0
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	Auxiliary	0	0
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Dwn	0	0
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0
<i>Grand Total ==></i>	17,147	0	18,417	100.00	16,750	100.00	-4,176	100.00	-4,176	-4,395	100.00	ENGINEERING CKS		
												% 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										AREAS			HEATING COIL SELECTION			
	Total Capacity		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass ft² (%)	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb						
Main Clg	1.5	18.4	17.3	754	75.4	62.9	66.1	54.5	54.4	63.5	Floor	328	0.0	754	69.7	75.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	484	0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	0	0	0.0	0.0
											ExFlr	0	0	0	0.0	0.0
Total	1.5	18.4									Roof	328	0	0	0.0	0.0
											Wall	193	0	0	0.0	0.0
											Ext Door	0	0	0	0.0	0.0

Room Checksums

By Trial

ET PLANTA BAJA

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 5 / 15		Mo/Hr: 5 / 15		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 101 / 76 / 98		OADB: 101		OADB: 57			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	
Envelope Loads				Envelope Loads										
Skylite Solar	0	0	0	0	0	0	0	0.00						
Skylite Cond	0	0	0	0	0	0	0	0.00						
Roof Cond	89,223	0	89,223	29	89,223	35	-12,243	37.47						
Glass Solar	6,143	0	6,143	2	6,143	2	0	0.00						
Glass/Door Cond	3,582	0	3,582	1	3,582	1	-2,171	6.64						
Wall Cond	788	0	788	0	788	0	-288	0.88						
Partition/Door	20,247	0	20,247	7	20,247	8	-12,876	39.41						
Floor	0	0	0	0	0	0	0	0.00						
Adjacent Floor	0	0	0	0	0	0	0	0.00						
Infiltration	0	0	0	0	0	0	0	0.00						
Sub Total ==>	119,983	0	119,983	39	119,983	47	-27,578	84.41						
Internal Loads				Internal Loads										
Lights	37,194	9,298	46,492	15	37,194	14	0	0.00						
People	30,720	0	30,720	10	16,370	6	0	0.00						
Misc	84,119	0	84,119	28	84,119	33	0	0.00						
Sub Total ==>	152,033	9,298	161,332	53	137,683	53	0	0.00						
Ceiling Load	0	0	0	0	0	0	0	0.00						
Ventilation Load	0	0	17,862	6	0	0	0	0.00						
Adj Air Trans Heat	0	0	0	0	0	0	0	0						
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00						
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00						
Exhaust Heat	0	-281	-281	0	0	0	0	0.00						
Sup. Fan Heat	0	0	6,873	2	0	0	-6,039	18.49						
Ret. Fan Heat	0	0	0	0	0	0	0	0.00						
Duct Heat Pkup	0	0	0	0	0	0	0	0.00						
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00						
Supply Air Leakage	0	0	0	0	0	0	0	0.00						
Grand Total ==>	272,017	9,018	305,769	100.00	257,667	100.00	-27,578	-32,672	100.00					

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		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	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	
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	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°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				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 5 / 16		Mo/Hr: 5 / 16		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 100 / 76 / 99		OADB: 100		OADB: 100		OADB: 57				SADB	55.0	71.3
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.0	70.0
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Return	75.0	70.0
Envelope Loads				Envelope Loads				Envelope Loads				Fm MtrTD	0.0	0.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Fm BldTD	0.0	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Fm Frict	0.1	0.0
Roof Cond	1,619	0	1,619	12	12	Roof Cond	-236	27.56	Roof Cond	-236	27.56	AIRFLOWS		
Glass Solar	0	0	0	0	0	Glass Solar	0	0.00	Glass Solar	0	0.00	Diffuser	612	612
Glass/Door Cond	0	0	0	0	0	Glass/Door Cond	0	0.00	Glass/Door Cond	0	0.00	Terminal	612	612
Wall Cond	0	0	0	0	0	Wall Cond	0	0.00	Wall Cond	0	0.00	Main Fan	612	612
Partition/Door	1,038	0	1,038	8	8	Partition/Door	-621	72.44	Partition/Door	-621	72.44	Sec Fan	0	0
Floor	0	0	0	0	0	Floor	0	0.00	Floor	0	0.00	Nom Vent	0	0
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	Adjacent Floor	0	0.00	AHU Vent	0	0
Infiltration	0	0	0	0	0	Infiltration	0	0.00	Infiltration	0	0.00	Infil	0	0
Sub Total ==>	2,657	0	2,657	19	20	Sub Total ==>	-858	100.00	Sub Total ==>	-858	100.00	MinStop/Rh	0	0
Internal Loads				Internal Loads				Internal Loads				Return	612	612
Lights	891	0	891	7	7	Lights	0	0.00	Lights	0	0.00	Exhaust	0	0
People	0	0	0	0	0	People	0	0.00	People	0	0.00	Rm Exh	0	0
Misc	10,051	0	10,051	74	74	Misc	0	0.00	Misc	0	0.00	Auxiliary	0	0
Sub Total ==>	10,942	0	10,942	80	80	Sub Total ==>	0	0.00	Sub Total ==>	0	0.00	Leakage Dwn	0	0
Ceiling Load	0	0	0	0	0	Ceiling Load	0	0.00	Ceiling Load	0	0.00	Leakage Ups	0	0
Ventilation Load	0	0	0	0	0	Ventilation Load	0	0.00	Ventilation Load	0	0.00	ENGINEERING CKS		
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0	Adj Air Trans Heat	0	0	% OA	0.0	0.0
Dehumid. Ov Sizing	0	0	0	0	0	Ov/Undr Sizing	0	0.00	Ov/Undr Sizing	0	0.00	cfm/ft²	4.23	4.23
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	0	0.00	Exhaust Heat	0	0.00	cfm/ton	537.79	
Exhaust Heat	0	0	0	0	0	OA Preheat Diff.	0	0.00	OA Preheat Diff.	0	0.00	ft²/ton	127.12	
Sup. Fan Heat	58	0	58	0	0	RA Preheat Diff.	0	0.00	RA Preheat Diff.	0	0.00	Btu/hr-ft²	94.40	0.00
Ret. Fan Heat	0	0	0	0	0	Additional Reheat	0	0.00	Additional Reheat	0	0.00	No. People	0.0	0.0/1000 ft²
Duct Heat Pkup	0	0	0	0	0	System Plenum Heat	0	0.00	System Plenum Heat	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00	Underflr Sup Ht Pkup	0	0.00			
Supply Air Leakage	0	0	0	0	0	Supply Air Leakage	0	0.00	Supply Air Leakage	0	0.00			
Grand Total ==>	13,599	0	13,657	100.00	100.00	Grand Total ==>	-858	100.00	Grand Total ==>	-858	100.00			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg				
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F					°F	gr/lb	ft²	(%)
Main Clg	1.1	13.7	13.7	612	75.1	61.1	58.6	55.0	53.4	58.5	Floor	145		Main Htg	0.0	612	70.0	71.3
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	122		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0						
Total	1.1	13.7									Roof	145	0	Humidif	0.0	0	0.0	0.0
											Wall	0	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	Total	0.0			

Room Checksums

By Trial

OFC-01 PLANTA BAJA

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 1 / 17		Mo/Hr: 1 / 17		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 90 / 71 / 87		OADB: 90		OADB: 57						SADB	55.0	74.6
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.0	70.0
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.0	70.0
Envelope Loads				Envelope Loads								Ret/OA	75.4	70.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00				Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00				Fn BldTD	0.1	0.0
Roof Cond	902	0	902	6	7	Roof Cond	-231	7.27				Fn Frict	0.4	0.0
Glass Solar	0	0	0	0	0	Glass Solar	0	0.00						
Glass/Door Cond	0	0	0	0	0	Glass/Door Cond	0	0.00						
Wall Cond	6,592	0	6,592	46	51	Wall Cond	-1,180	37.23						
Partition/Door	1,613	0	1,613	11	13	Partition/Door	-1,540	48.61						
Floor	0	0	0	0	0	Floor	0	0.00						
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00						
Infiltration	0	0	0	0	0	Infiltration	0	0.00						
<i>Sub Total ==></i>	9,107	0	9,107	64	71	<i>Sub Total ==></i>	-2,950	93.11						
Internal Loads				Internal Loads										
Lights	813	0	813	6	6	Lights	0	0.00						
People	1,294	0	1,294	9	5	People	0	0.00						
Misc	2,299	0	2,299	16	18	Misc	0	0.00						
<i>Sub Total ==></i>	4,406	0	4,406	31	29	<i>Sub Total ==></i>	0	0.00						
Ceiling Load	0	0	0	0	0	Ceiling Load	0	0.00						
Ventilation Load	0	0	471	3	0	Ventilation Load	0	0.00						
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0						
Dehumid. Ov Sizing	0	0	0	0	0	Ov/Undr Sizing	0	0.00						
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	0	0.00						
Exhaust Heat	0	0	0	0	0	OA Preheat Diff.	41	-1.28						
Sup. Fan Heat	0	0	344	2	2	RA Preheat Diff.	-259	8.17						
Ret. Fan Heat	0	0	0	0	0	Additional Reheat	0	0.00						
Duct Heat Pkup	0	0	0	0	0	System Plenum Heat	0	0.00						
Underflr Sup Ht Pkup	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00						
Supply Air Leakage	0	0	0	0	0	Supply Air Leakage	0	0.00						
Grand Total ==>	13,513	0	14,328	100.00	12,898	Grand Total ==>	-2,950	-3,169	100.00					

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		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	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	(%)
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				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 1 / 17		Mo/Hr: 1 / 17		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 90 / 71 / 87		OADB: 90		OADB: 57			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens		Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	
Envelope Loads				Envelope Loads										
Skylite Solar	0	0	0	0	0	0	0	0.00	Skylite Solar	0	0	0.00		
Skylite Cond	0	0	0	0	0	0	0	0.00	Skylite Cond	0	0	0.00		
Roof Cond	917	0	917	7	917	8	-231	10.42	Roof Cond	-231	-231	10.42		
Glass Solar	0	0	0	0	0	0	0	0.00	Glass Solar	0	0	0.00		
Glass/Door Cond	0	0	0	0	0	0	0	0.00	Glass/Door Cond	0	0	0.00		
Wall Cond	6,618	0	6,618	49	6,618	55	-1,180	53.31	Wall Cond	-1,180	-1,180	53.31		
Partition/Door	614	0	614	5	614	5	-584	26.41	Partition/Door	-584	-584	26.41		
Floor	0	0	0	0	0	0	0	0.00	Floor	0	0	0.00		
Adjacent Floor	0	0	0	0	0	0	0	0.00	Adjacent Floor	0	0	0.00		
Infiltration	0	0	0	0	0	0	0	0.00	Infiltration	0	0	0.00		
<i>Sub Total ==></i>	8,149	0	8,149	61	8,149	68	-1,995	90.14	<i>Sub Total ==></i>	-1,995	-1,995	90.14		
Internal Loads				Internal Loads										
Lights	841	0	841	6	841	7	0	0.00	Lights	0	0	0.00		
People	1,304	0	1,304	10	689	6	0	0.00	People	0	0	0.00		
Misc	2,326	0	2,326	17	2,326	19	0	0.00	Misc	0	0	0.00		
<i>Sub Total ==></i>	4,471	0	4,471	33	3,856	32	0	0.00	<i>Sub Total ==></i>	0	0	0.00		
Ceiling Load	0	0	0	0	0	0	0	0.00	Ceiling Load	0	0	0.00		
Ventilation Load	0	0	471	4	0	0	0	0.00	Ventilation Load	0	0	0.00		
Adj Air Trans Heat	0	0	0	0	0	0	0	0	Adj Air Trans Heat	0	0	0		
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	Ov/Undr Sizing	0	0	0.00		
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	Exhaust Heat	0	0	0.00		
Exhaust Heat	0	0	0	0	0	0	41	-1.83	OA Preheat Diff.	41	-1.83			
Sup. Fan Heat	0	0	320	2	0	0	-259	11.70	RA Preheat Diff.	-259	11.70			
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	Additional Reheat	0	0.00			
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	System Plenum Heat	0	0.00			
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	Underflr Sup Ht Pkup	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	Supply Air Leakage	0	0.00			
Grand Total ==>	12,620	0	13,411	100.00	12,005	100.00	-1,995	100.00	Grand Total ==>	-1,995	-2,213	100.00		

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		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	1.1	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	(%)
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	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°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				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 1 / 17		Mo/Hr: 1 / 17		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 90 / 71 / 87		OADB: 90		OADB: 57			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens		75.0	75.4	0.1	0.1	0.4	
						Btu/h	Btu/h		75.0	75.0	0.0	0.0	0.0	
Envelope Loads				Envelope Loads										
Skylite Solar	0	0	0	0	0	0	0	0.00						
Skylite Cond	0	0	0	0	0	0	0	0.00						
Roof Cond	917	0	917	7	917	8	-231	10.42						
Glass Solar	0	0	0	0	0	0	0	0.00						
Glass/Door Cond	0	0	0	0	0	0	0	0.00						
Wall Cond	6,618	0	6,618	49	6,618	55	-1,180	53.31						
Partition/Door	614	0	614	5	614	5	-584	26.41						
Floor	0	0	0	0	0	0	0	0.00						
Adjacent Floor	0	0	0	0	0	0	0	0.00						
Infiltration	0	0	0	0	0	0	0	0.00						
<i>Sub Total ==></i>	8,149	0	8,149	61	8,149	68	-1,995	90.14						
Internal Loads				Internal Loads										
Lights	841	0	841	6	841	7	0	0.00						
People	1,304	0	1,304	10	689	6	0	0.00						
Misc	2,326	0	2,326	17	2,326	19	0	0.00						
<i>Sub Total ==></i>	4,471	0	4,471	33	3,856	32	0	0.00						
Ceiling Load	0	0	0	0	0	0	0	0.00						
Ventilation Load	0	0	471	4	0	0	0	0.00						
Adj Air Trans Heat	0	0	0	0	0	0	0	0						
Dehumid. Ov Sizing			0	0			0	0.00						
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00						
Exhaust Heat		0	0	0			41	-1.83						
Sup. Fan Heat			320	2			-259	11.70						
Ret. Fan Heat		0	0	0			0	0.00						
Duct Heat Pkup		0	0	0			0	0.00						
Underflr Sup Ht Pkup			0	0			0	0.00						
Supply Air Leakage		0	0	0			0	0.00						
Grand Total ==>	12,620	0	13,411	100.00	12,005	100.00	-1,995	-2,213	100.00					

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		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	1.1	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	(%)
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	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°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				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 1 / 17		Mo/Hr: 1 / 17		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 90 / 71 / 87		OADB: 90		OADB: 57			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens		75.0	75.4	0.1	0.1	0.4	
						Btu/h	Btu/h		75.0	75.0	0.0	0.0	0.0	
Envelope Loads				Envelope Loads										
Skylite Solar	0	0	0	0	0	0	0	0.00						
Skylite Cond	0	0	0	0	0	0	0	0.00						
Roof Cond	917	0	917	7	917	8	-231	10.42						
Glass Solar	0	0	0	0	0	0	0	0.00						
Glass/Door Cond	0	0	0	0	0	0	0	0.00						
Wall Cond	6,618	0	6,618	49	6,618	55	-1,180	53.31						
Partition/Door	614	0	614	5	614	5	-584	26.41						
Floor	0	0	0	0	0	0	0	0.00						
Adjacent Floor	0	0	0	0	0	0	0	0.00						
Infiltration	0	0	0	0	0	0	0	0.00						
<i>Sub Total ==></i>	8,149	0	8,149	61	8,149	68	-1,995	90.14						
Internal Loads				Internal Loads										
Lights	841	0	841	6	841	7	0	0.00						
People	1,304	0	1,304	10	689	6	0	0.00						
Misc	2,326	0	2,326	17	2,326	19	0	0.00						
<i>Sub Total ==></i>	4,471	0	4,471	33	3,856	32	0	0.00						
Ceiling Load	0	0	0	0	0	0	0	0.00						
Ventilation Load	0	0	471	4	0	0	0	0.00						
Adj Air Trans Heat	0	0	0	0	0	0	0	0						
Dehumid. Ov Sizing			0	0			0	0.00						
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00						
Exhaust Heat		0	0	0			41	-1.83						
Sup. Fan Heat			320	2			-259	11.70						
Ret. Fan Heat		0	0	0			0	0.00						
Duct Heat Pkup		0	0	0			0	0.00						
Underflr Sup Ht Pkup		0	0	0			0	0.00						
Supply Air Leakage		0	0	0			0	0.00						
Grand Total ==>	12,620	0	13,411	100.00	12,005	100.00	-1,995	100.00						

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		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	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	(%)
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				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 1 / 17		Mo/Hr: 1 / 17		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 90 / 71 / 87		OADB: 90		OADB: 57			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Tot Sens Btu/h							
Envelope Loads				Envelope Loads										
Skylite Solar	0	0	0	0	0	0	0	0.00						
Skylite Cond	0	0	0	0	0	0	0	0.00						
Roof Cond	917	0	917	7	917	8	-231	10.42						
Glass Solar	0	0	0	0	0	0	0	0.00						
Glass/Door Cond	0	0	0	0	0	0	0	0.00						
Wall Cond	6,618	0	6,618	49	6,618	55	-1,180	53.31						
Partition/Door	614	0	614	5	614	5	-584	26.41						
Floor	0	0	0	0	0	0	0	0.00						
Adjacent Floor	0	0	0	0	0	0	0	0.00						
Infiltration	0	0	0	0	0	0	0	0.00						
<i>Sub Total ==></i>	8,149	0	8,149	61	8,149	68	-1,995	90.14						
Internal Loads				Internal Loads										
Lights	841	0	841	6	841	7	0	0.00						
People	1,304	0	1,304	10	689	6	0	0.00						
Misc	2,326	0	2,326	17	2,326	19	0	0.00						
<i>Sub Total ==></i>	4,471	0	4,471	33	3,856	32	0	0.00						
Ceiling Load	0	0	0	0	0	0	0	0.00						
Ventilation Load	0	0	471	4	0	0	0	0.00						
Adj Air Trans Heat	0	0	0	0	0	0	0	0						
Dehumid. Ov Sizing			0	0			0	0.00						
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00						
Exhaust Heat		0	0	0			41	-1.83						
Sup. Fan Heat			320	2			-259	11.70						
Ret. Fan Heat		0	0	0			0	0.00						
Duct Heat Pkup		0	0	0			0	0.00						
Underflr Sup Ht Pkup			0	0			0	0.00						
Supply Air Leakage		0	0	0			0	0.00						
Grand Total ==>	12,620	0	13,411	100.00	12,005	100.00	-1,995	-2,213	100.00					

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		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	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	(%)
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				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 1 / 17		Mo/Hr: 1 / 17		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 90 / 71 / 87		OADB: 90		OADB: 57			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	
Envelope Loads				Envelope Loads										
Skylite Solar	0	0	0	0	0	0	0	0.00						
Skylite Cond	0	0	0	0	0	0	0	0.00						
Roof Cond	917	0	917	7	917	8	-231	10.42						
Glass Solar	0	0	0	0	0	0	0	0.00						
Glass/Door Cond	0	0	0	0	0	0	0	0.00						
Wall Cond	6,618	0	6,618	49	6,618	55	-1,180	53.31						
Partition/Door	614	0	614	5	614	5	-584	26.41						
Floor	0	0	0	0	0	0	0	0.00						
Adjacent Floor	0	0	0	0	0	0	0	0.00						
Infiltration	0	0	0	0	0	0	0	0.00						
<i>Sub Total ==></i>	8,149	0	8,149	61	8,149	68	-1,995	90.14						
Internal Loads				Internal Loads										
Lights	841	0	841	6	841	7	0	0.00						
People	1,304	0	1,304	10	689	6	0	0.00						
Misc	2,326	0	2,326	17	2,326	19	0	0.00						
<i>Sub Total ==></i>	4,471	0	4,471	33	3,856	32	0	0.00						
Ceiling Load	0	0	0	0	0	0	0	0.00						
Ventilation Load	0	0	471	4	0	0	0	0.00						
Adj Air Trans Heat	0	0	0	0	0	0	0	0						
Dehumid. Ov Sizing			0	0			0	0.00						
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00						
Exhaust Heat		0	0	0			41	-1.83						
Sup. Fan Heat			320	2			-259	11.70						
Ret. Fan Heat		0	0	0			0	0.00						
Duct Heat Pkup		0	0	0			0	0.00						
Underflr Sup Ht Pkup			0	0			0	0.00						
Supply Air Leakage		0	0	0			0	0.00						
Grand Total ==>	12,620	0	13,411	100.00	12,005	100.00	-1,995	100.00						

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		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	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	(%)
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				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 1 / 17		Mo/Hr: 1 / 17		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 90 / 71 / 87		OADB: 90		OADB: 57			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens		Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	
Envelope Loads				Envelope Loads										
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
Roof Cond	917	0	917	7	917	8	-231	10.42	-231	-231	0.1	0.0	0.0	
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.1	0.0	0.0	
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.4	0.0	0.0	
Wall Cond	6,618	0	6,618	49	6,618	55	-1,180	53.31	-1,180	-1,180				
Partition/Door	614	0	614	5	614	5	-584	26.41	-584	-584				
Floor	0	0	0	0	0	0	0	0.00	0	0				
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0				
Infiltration	0	0	0	0	0	0	0	0.00	0	0				
<i>Sub Total ==></i>	8,149	0	8,149	61	8,149	68	-1,995	90.14	-1,995	-1,995				
Internal Loads				Internal Loads										
Lights	841	0	841	6	841	7	0	0.00	0	0				
People	1,304	0	1,304	10	689	6	0	0.00	0	0				
Misc	2,326	0	2,326	17	2,326	19	0	0.00	0	0				
<i>Sub Total ==></i>	4,471	0	4,471	33	3,856	32	0	0.00	0	0				
Ceiling Load	0	0	0	0	0	0	0	0.00	0	0				
Ventilation Load	0	0	471	4	0	0	0	0.00	0	0				
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0				
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0				
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	0				
Exhaust Heat	0	0	0	0	0	0	0	0.00	0	0				
Sup. Fan Heat	0	0	320	2	0	0	0	0.00	41	-1.83				
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	-259	11.70				
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0				
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0				
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0				
<i>Grand Total ==></i>	12,620	0	13,411	100.00	12,005	100.00	-1,995	100.00	-2,213	-2,213				

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		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	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	(%)
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				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES					
Peaked at Time:		Mo/Hr: 1 / 17		Mo/Hr: 1 / 17		Mo/Hr: Heating Design			Cooling			Heating				
Outside Air:		OADB/WB/HR: 90 / 71 / 87		OADB: 90		OADB: 57			SADB			Ra Plenum				
	Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return			Ret/OA			
	Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens		Fn MtrTD			Fn BldTD			
							Btu/h	Btu/h		Fn Frict						
Envelope Loads				Envelope Loads												
	0	0	0	0	0	0	0	0	0.00							
	0	0	0	0	0	0	0	0	0.00							
	1,234	0	1,234	9	1,234	10	-306	-306	13.38							
	0	0	0	0	0	0	0	0	0.00							
	0	0	0	0	0	0	0	0	0.00							
	6,647	0	6,647	47	6,647	52	-1,180	-1,180	51.54							
	617	0	617	4	617	5	-584	-584	25.54							
	0	0	0	0	0	0	0	0	0.00							
	0	0	0	0	0	0	0	0	0.00							
	0	0	0	0	0	0	0	0	0.00							
	0	0	0	0	0	0	0	0	0.00							
	8,499	0	8,499	60	8,499	67	-2,070	-2,070	90.46							
Internal Loads				Internal Loads												
	1,134	0	1,134	8	1,134	9	0	0	0.00							
	1,309	0	1,309	9	694	5	0	0	0.00							
	2,417	0	2,417	17	2,417	19	0	0	0.00							
	4,860	0	4,860	34	4,245	33	0	0	0.00							
Ceiling Load				Ceiling Load												
	0	0	0	0	0	0	0	0	0.00							
Ventilation Load				Ventilation Load												
	0	0	471	3	0	0	0	0	0.00							
Adj Air Trans Heat				Adj Air Trans Heat												
	0	0	0	0	0	0	0	0	0							
Dehumid. Ov Sizing				Ov/Undr Sizing												
	0	0	0	0	0	0	0	0	0.00							
Exhaust Heat				OA Preheat Diff.												
	0	0	0	0	0	0	0	41	-1.77							
Sup. Fan Heat				RA Preheat Diff.												
	0	0	340	2	0	0	0	-259	11.31							
Ret. Fan Heat				Additional Reheat												
	0	0	0	0	0	0	0	0	0.00							
Duct Heat Pkup				System Plenum Heat												
	0	0	0	0	0	0	0	0	0.00							
Underflr Sup Ht Pkup				Underflr Sup Ht Pkup												
	0	0	0	0	0	0	0	0	0.00							
Supply Air Leakage				Supply Air Leakage												
	0	0	0	0	0	0	0	0	0.00							
Grand Total ==>				Grand Total ==>				Grand Total ==>								
	13,359	0	14,170	100.00	12,744	100.00	-2,070	-2,289	100.00							

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		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	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	(%)
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
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				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 1 / 17		Mo/Hr: 1 / 17		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 90 / 71 / 87		OADB: 90		OADB: 57			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	
Envelope Loads				Envelope Loads										
Skylite Solar	0	0	0	0	0	0	0	0.00						
Skylite Cond	0	0	0	0	0	0	0	0.00						
Roof Cond	1,234	0	1,234	9	1,234	10	-306	13.38						
Glass Solar	0	0	0	0	0	0	0	0.00						
Glass/Door Cond	0	0	0	0	0	0	0	0.00						
Wall Cond	6,647	0	6,647	47	6,647	52	-1,180	51.54						
Partition/Door	617	0	617	4	617	5	-584	25.54						
Floor	0	0	0	0	0	0	0	0.00						
Adjacent Floor	0	0	0	0	0	0	0	0.00						
Infiltration	0	0	0	0	0	0	0	0.00						
<i>Sub Total ==></i>	8,499	0	8,499	60	8,499	67	-2,070	90.46						
Internal Loads				Internal Loads										
Lights	1,134	0	1,134	8	1,134	9	0	0.00						
People	1,309	0	1,309	9	694	5	0	0.00						
Misc	2,417	0	2,417	17	2,417	19	0	0.00						
<i>Sub Total ==></i>	4,860	0	4,860	34	4,245	33	0	0.00						
Ceiling Load	0	0	0	0	0	0	0	0.00						
Ventilation Load	0	0	471	3	0	0	0	0.00						
Adj Air Trans Heat	0	0	0	0	0	0	0	0						
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00						
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00						
Exhaust Heat	0	0	0	0	0	0	0	0.00						
Sup. Fan Heat	0	0	340	2	0	0	41	-1.77						
Ret. Fan Heat	0	0	0	0	0	0	-259	11.31						
Duct Heat Pkup	0	0	0	0	0	0	0	0.00						
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00						
Supply Air Leakage	0	0	0	0	0	0	0	0.00						
Grand Total ==>	13,359	0	14,170	100.00	12,744	100.00	-2,070	-2,289	100.00					

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		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	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	(%)
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				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 1 / 17		Mo/Hr: 1 / 17		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 90 / 71 / 87		OADB: 90		OADB: 57						SADB	55.0	73.3
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.0	70.0
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.0	70.0
Envelope Loads				Envelope Loads								Ret/OA	75.4	70.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.1	0.0
Roof Cond	917	0	917	7	917	8	-230	10.42	-230	-230	10.42	Fn Frict	0.4	0.0
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00			
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00			
Wall Cond	6,618	0	6,618	49	6,618	55	-1,180	53.31	-1,180	-1,180	53.31			
Partition/Door	614	0	614	5	614	5	-584	26.41	-584	-584	26.41			
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00			
<i>Sub Total ==></i>	8,149	0	8,149	61	8,149	68	-1,995	90.14	-1,995	-1,995	90.14			
Internal Loads				Internal Loads								AIRFLOWS		
Lights	841	0	841	6	841	7	0	0.00	0	0	0.00	Cooling	Heating	
People	1,304	0	1,304	10	689	6	0	0.00	0	0	0.00	Diffuser	540	540
Misc	2,326	0	2,326	17	2,326	19	0	0.00	0	0	0.00	Terminal	540	540
<i>Sub Total ==></i>	4,471	0	4,471	33	3,856	32	0	0.00	0	0	0.00	Main Fan	540	540
												Sec Fan	0	0
Ceiling Load	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	15	0
Ventilation Load	0	0	471	4	0	0	0	0.00	0	0	0.00	AHU Vent	15	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	Infil	0	0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	MinStop/Rh	0	0
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	Return	540	540
Exhaust Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	Exhaust	15	0
Sup. Fan Heat	0	0	320	2	0	0	41	-1.83	0	0	0.00	Rm Exh	0	0
Ret. Fan Heat	0	0	0	0	0	0	-259	11.70	0	0	0.00	Auxiliary	0	0
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Dwn	0	0
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00	ENGINEERING CKS		
<i>Grand Total ==></i>	12,620	0	13,411	100.00	12,005	100.00	-1,995	100.00	-1,995	-2,213	100.00	% 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										AREAS			HEATING COIL SELECTION						
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	%	Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F	gr/lb
Main Clg	1.1	13.4	12.6	540	75.4	62.8	65.8	54.5	54.4	63.5	Floor	141			Main Htg	0.0	540	69.6	73.3
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	115			Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0			Preheat	0.0	0	0.0	0.0
											ExFlr	0							
Total	1.1	13.4									Roof	141	0	0	Humidif	0.0	0	0.0	0.0
											Wall	193	0	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	Total	0.0			

Room Checksums

By Trial

OFC-11 PLANTA BAJA

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 1 / 17		Mo/Hr: 1 / 17		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 90 / 71 / 87		OADB: 90		OADB: 57			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Tot Sens Btu/h		75.0	75.4	0.1	0.1	0.4	
Envelope Loads				Envelope Loads										
Skylite Solar	0	0	0	0	0	0	0	0.00						
Skylite Cond	0	0	0	0	0	0	0	0.00						
Roof Cond	917	0	917	7	917	8	-230	10.42						
Glass Solar	0	0	0	0	0	0	0	0.00						
Glass/Door Cond	0	0	0	0	0	0	0	0.00						
Wall Cond	6,618	0	6,618	49	6,618	55	-1,180	53.31						
Partition/Door	614	0	614	5	614	5	-584	26.41						
Floor	0	0	0	0	0	0	0	0.00						
Adjacent Floor	0	0	0	0	0	0	0	0.00						
Infiltration	0	0	0	0	0	0	0	0.00						
<i>Sub Total ==></i>	8,149	0	8,149	61	8,149	68	-1,995	90.14						
Internal Loads				Internal Loads										
Lights	841	0	841	6	841	7	0	0.00						
People	1,304	0	1,304	10	689	6	0	0.00						
Misc	2,326	0	2,326	17	2,326	19	0	0.00						
<i>Sub Total ==></i>	4,471	0	4,471	33	3,856	32	0	0.00						
Ceiling Load	0	0	0	0	0	0	0	0.00						
Ventilation Load	0	0	471	4	0	0	0	0.00						
Adj Air Trans Heat	0	0	0	0	0	0	0	0						
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00						
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00						
Exhaust Heat	0	0	0	0	0	0	41	-1.83						
Sup. Fan Heat	0	0	320	2	0	0	-259	11.70						
Ret. Fan Heat	0	0	0	0	0	0	0	0.00						
Duct Heat Pkup	0	0	0	0	0	0	0	0.00						
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00						
Supply Air Leakage	0	0	0	0	0	0	0	0.00						
Grand Total ==>	12,620	0	13,411	100.00	12,005	100.00	-1,995	-2,213	100.00					

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	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			
	ton	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	
Main Clg	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	(%)
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	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°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				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES				
Peaked at Time:		Mo/Hr: 1 / 17		Mo/Hr: 1 / 17		Mo/Hr: Heating Design			Cooling			Heating			
Outside Air:		OADB/WB/HR: 90 / 71 / 87		OADB: 90		OADB: 57			SADB			Ra Plenum			
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict		
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h								
Envelope Loads				Envelope Loads											
Skylite Solar	0	0	0	0	0	0	0	0.00							
Skylite Cond	0	0	0	0	0	0	0	0.00							
Roof Cond	917	0	917	7	917	8	-230	10.42							
Glass Solar	0	0	0	0	0	0	0	0.00							
Glass/Door Cond	0	0	0	0	0	0	0	0.00							
Wall Cond	6,618	0	6,618	49	6,618	55	-1,180	53.31							
Partition/Door	614	0	614	5	614	5	-584	26.41							
Floor	0	0	0	0	0	0	0	0.00							
Adjacent Floor	0	0	0	0	0	0	0	0.00							
Infiltration	0	0	0	0	0	0	0	0.00							
<i>Sub Total ==></i>	8,149	0	8,149	61	8,149	68	-1,995	90.14							
Internal Loads				Internal Loads											
Lights	841	0	841	6	841	7	0	0.00							
People	1,304	0	1,304	10	689	6	0	0.00							
Misc	2,326	0	2,326	17	2,326	19	0	0.00							
<i>Sub Total ==></i>	4,471	0	4,471	33	3,856	32	0	0.00							
Ceiling Load				Ceiling Load											
Ventilation Load	0	0	471	4	0	0	0	0.00							
Adj Air Trans Heat	0	0	0	0	0	0	0	0							
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00							
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00							
Exhaust Heat	0	0	0	0	0	0	41	-1.83							
Sup. Fan Heat	0	0	320	2	0	0	-259	11.70							
Ret. Fan Heat	0	0	0	0	0	0	0	0.00							
Duct Heat Pkup	0	0	0	0	0	0	0	0.00							
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00							
Supply Air Leakage	0	0	0	0	0	0	0	0.00							
Grand Total ==>	12,620	0	13,411	100.00	12,005	100.00	-1,995	-2,213	100.00						

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		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	1.1	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	(%)
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	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°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				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES					
Peaked at Time:		Mo/Hr: 1 / 17		Mo/Hr: 1 / 17		Mo/Hr: Heating Design			Cooling		Heating	SADB	55.0	73.3		
Outside Air:		OADB/WB/HR: 90 / 71 / 87		OADB: 90		OADB: 57			Ra Plenum		70.0	Return	75.0	70.0		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Ret/OA <th>Fn MtrTD <th>Fn BldTD <th>Fn Frict <td colspan="2"></td> </th></th></th>	Fn MtrTD <th>Fn BldTD <th>Fn Frict <td colspan="2"></td> </th></th>	Fn BldTD <th>Fn Frict <td colspan="2"></td> </th>	Fn Frict <td colspan="2"></td>				
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Tot Sens Btu/h	(%)	75.4	0.1	0.0	0.0				
Envelope Loads				Envelope Loads							AIRFLOWS					
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Cooling		Heating					
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Diffuser		540		540			
Roof Cond	917	0	917	7	8	Roof Cond	-230	10.42	Terminal		540		540			
Glass Solar	0	0	0	0	0	Glass Solar	0	0.00	Main Fan		540		540			
Glass/Door Cond	0	0	0	0	0	Glass/Door Cond	0	0.00	Sec Fan		0		0			
Wall Cond	6,618	0	6,618	49	55	Wall Cond	-1,180	53.31	Nom Vent		15		0			
Partition/Door	614	0	614	5	5	Partition/Door	-584	26.41	AHU Vent		15		0			
Floor	0	0	0	0	0	Floor	0	0.00	Infil		0		0			
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	MinStop/Rh		0		0			
Infiltration	0	0	0	0	0	Infiltration	0	0.00	Return		540		540			
Sub Total ==>	8,149	0	8,149	61	68	Sub Total ==>	-1,995	90.14	Exhaust		15		0			
Internal Loads				Internal Loads							Rm Exh		0		0	
Lights	841	0	841	6	7	Lights	0	0.00	Auxiliary		0		0			
People	1,304	0	1,304	10	6	People	0	0.00	Leakage Dwn		0		0			
Misc	2,326	0	2,326	17	19	Misc	0	0.00	Leakage Ups		0		0			
Sub Total ==>	4,471	0	4,471	33	32	Sub Total ==>	0	0.00	ENGINEERING CKS							
Ceiling Load				Ceiling Load							% OA		2.8		0.0	
Ventilation Load	0	0	471	4	0	Ventilation Load	0	0.00	cfm/ft²		3.83		3.83			
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0	cfm/ton		483.49					
Dehumid. Ov Sizing	0	0	0	0	0	Ov/Undr Sizing	0	0.00	ft²/ton		126.21					
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	0	0.00	Btu/hr-ft²		95.08		0.00			
Exhaust Heat	0	0	0	0	0	OA Preheat Diff.	41	-1.83	No. People							
Sup. Fan Heat	0	0	320	2	2	RA Preheat Diff.	-259	11.70	3.0		21.3/1000 ft²					
Ret. Fan Heat	0	0	0	0	0	Additional Reheat	0	0.00								
Duct Heat Pkup	0	0	0	0	0	System Plenum Heat	0	0.00								
Underflr Sup Ht Pkup	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00								
Supply Air Leakage	0	0	0	0	0	Supply Air Leakage	0	0.00								
Grand Total ==>	12,620	0	13,411	100.00	12,005	100.00	Grand Total ==>	-1,995	-2,213							

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass ft²	Gross (%)	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F	
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb								
Main Clg	1.1	13.4	12.6	540	75.4	62.8	65.8	54.5	54.4	63.5	Floor	141	Main Htg	0.0	540	69.6	73.3	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	115		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0						
Total	1.1	13.4									Roof	141		Humidif	0.0	0	0.0	0.0
											Wall	193		Opt Vent	0.0	0	0.0	0.0
											Ext Door	0		Total	0.0			

Room Checksums

By Trial

OFICINA 1 NIVEL ESTACIONAMIENTO

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 1 / 17		Mo/Hr: 1 / 17		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 90 / 71 / 87		OADB: 90		OADB: 57			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens		75.0	75.5	0.1	0.2	0.7	
Envelope Loads				Envelope Loads										
Skylite Solar	0	0	0	0	0	0	0	0.00	53.1	73.6	0.0	0.0	0.0	
Skylite Cond	0	0	0	0	0	0	0	0.00	75.0	70.0	0.0	0.0	0.0	
Roof Cond	978	0	978	7	978	8	-245	11.11	75.0	70.0	0.0	0.0	0.0	
Glass Solar	0	0	0	0	0	0	0	0.00	0.1	0.0	0.0	0.0	0.0	
Glass/Door Cond	0	0	0	0	0	0	0	0.00	75.5	70.0	0.0	0.0	0.0	
Wall Cond	6,624	0	6,624	47	6,624	55	-1,180	53.48	0.1	0.0	0.0	0.0	0.0	
Partition/Door	592	0	592	4	592	5	-563	25.51	0.2	0.0	0.0	0.0	0.0	
Floor	0	0	0	0	0	0	0	0.00	0.7	0.0	0.0	0.0	0.0	
Adjacent Floor	0	0	0	0	0	0	0	0.00						
Infiltration	0	0	0	0	0	0	0	0.00						
<i>Sub Total ==></i>	8,194	0	8,194	59	8,194	68	-1,987	90.10						
Internal Loads				Internal Loads										
Lights	898	0	898	6	898	7	0	0.00						
People	1,306	0	1,306	9	691	6	0	0.00						
Misc	2,346	0	2,346	17	2,346	19	0	0.00						
<i>Sub Total ==></i>	4,550	0	4,550	33	3,935	32	0	0.00						
Ceiling Load	0	0	0	0	0	0	0	0.00						
Ventilation Load	0	0	627	4	0	0	0	0.00						
Adj Air Trans Heat	0	0	0	0	0	0	0	0						
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00						
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00						
Exhaust Heat	0	0	0	0	0	0	82	-3.70						
Sup. Fan Heat	0	0	590	4	0	0	-300	13.60						
Ret. Fan Heat	0	0	0	0	0	0	0	0.00						
Duct Heat Pkup	0	0	0	0	0	0	0	0.00						
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00						
Supply Air Leakage	0	0	0	0	0	0	0	0.00						
Grand Total ==>	12,744	0	13,961	100.00	12,129	100.00	-1,987	100.00						

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		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	1.2	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	(%)
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	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°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				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 6 / 16		Mo/Hr: 5 / 16		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 99 / 77 / 104		OADB: 100		OADB: 57						SADB	53.1	72.5
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.0	70.0
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.0	70.0
Envelope Loads				Envelope Loads				Envelope Loads				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Skylite Solar	0	0.00	Fn BldTD	0.2	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Skylite Cond	0	0.00	Fn Frict	0.7	0.0
Roof Cond	1,599	0	1,599	19	1,612	25	Roof Cond	-235	-235	24.47				
Glass Solar	0	0	0	0	0	0	Glass Solar	0	0	0.00				
Glass/Door Cond	0	0	0	0	0	0	Glass/Door Cond	0	0	0.00				
Wall Cond	0	0	0	0	0	0	Wall Cond	0	0	0.00				
Partition/Door	819	0	819	10	849	13	Partition/Door	-508	-508	52.82				
Floor	0	0	0	0	0	0	Floor	0	0	0.00				
Adjacent Floor	0	0	0	0	0	0	Adjacent Floor	0	0	0.00				
Infiltration	0	0	0	0	0	0	Infiltration	0	0	0.00				
<i>Sub Total ==></i>	2,419	0	2,419	29	2,461	38	<i>Sub Total ==></i>	-743	-743	77.28				
Internal Loads				Internal Loads				Internal Loads						
Lights	892	0	892	11	892	14	Lights	0	0	0.00				
People	1,317	0	1,317	16	702	11	People	0	0	0.00				
Misc	2,368	0	2,368	29	2,368	37	Misc	0	0	0.00				
<i>Sub Total ==></i>	4,577	0	4,577	56	3,962	62	<i>Sub Total ==></i>	0	0	0.00				
Ceiling Load	0	0	0	0	0	0	Ceiling Load	0	0	0.00				
Ventilation Load	0	0	927	11	0	0	Ventilation Load	0	0	0.00				
Adj Air Trans Heat	0	0	0	0	0	0	Adj Air Trans Heat	0	0	0				
Dehumid. Ov Sizing	0	0	0	0	0	0	Ov/Undr Sizing	0	0	0.00				
Ov/Undr Sizing	0	0	0	0	0	0	Exhaust Heat	0	0	0.00				
Exhaust Heat	0	0	0	0	0	0	OA Preheat Diff.	82	-8.50					
Sup. Fan Heat	0	0	312	4	0	0	RA Preheat Diff.	-300	31.21					
Ret. Fan Heat	0	0	0	0	0	0	Additional Reheat	0	0.00					
Duct Heat Pkup	0	0	0	0	0	0	System Plenum Heat	0	0.00					
Underflr Sup Ht Pkup	0	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00					
Supply Air Leakage	0	0	0	0	0	0	Supply Air Leakage	0	0.00					
Grand Total ==>	6,996	0	8,235	100.00	6,423	100.00	Grand Total ==>	-743	-961	100.00				

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		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	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	(%)
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	Lvq °F
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				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES		
Peaked at Time:		Mo/Hr: 6 / 16		Mo/Hr: 5 / 16		Mo/Hr: Heating Design			Cooling	Heating			
Outside Air:		OADB/WB/HR: 99 / 77 / 104		OADB: 100		OADB: 57			SADB	53.1	71.5		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ra Plenum	75.0	70.0	
Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens		Ret/OA	Fn MtrTD	0.1	0.0	
						Btu/h	Btu/h		Fn BldTD	Fn Frict	0.2	0.0	
											0.7	0.0	
Envelope Loads				Envelope Loads							AIRFLOWS		
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Diffuser	Cooling	1,494	Heating	1,494
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Terminal	1,494	1,494		
Roof Cond	4,728	0	4,728	10	4,765	13	Roof Cond	-696	17.50	Main Fan	1,494	1,494	
Glass Solar	0	0	0	0	0	0	Glass Solar	0	0.00	Sec Fan	0	0	
Glass/Door Cond	0	0	0	0	0	0	Glass/Door Cond	0	0.00	Nom Vent	100	0	
Wall Cond	0	0	0	0	0	0	Wall Cond	0	0.00	AHU Vent	100	0	
Partition/Door	2,944	0	2,944	6	3,051	8	Partition/Door	-1,825	45.90	Infil	0	0	
Floor	0	0	0	0	0	0	Floor	0	0.00	MinStop/Rh	0	0	
Adjacent Floor	0	0	0	0	0	0	Adjacent Floor	0	0.00	Return	1,494	1,494	
Infiltration	0	0	0	0	0	0	Infiltration	0	0.00	Exhaust	100	0	
Sub Total ==>	7,671	0	7,671	16	7,815	21	Sub Total ==>	-2,521	63.40	Rm Exh	0	0	
Internal Loads				Internal Loads							ENGINEERING CKS		
Lights	2,623	0	2,623	5	2,623	7	Lights	0	0.00	% OA	6.7	0.0	
People	8,763	0	8,763	18	4,663	13	People	0	0.00	cfm/ft²	3.51	3.51	
Misc	21,306	0	21,306	44	21,306	59	Misc	0	0.00	cfm/ton	371.69		
Sub Total ==>	32,692	0	32,692	68	28,592	79	Sub Total ==>	0	0.00	ft²/ton	105.93		
Ceiling Load				Ceiling Load							Btu/hr-ft²		
Ventilation Load	0	0	6,105	13	0	0	Ventilation Load	0	0.00		113.28	0.00	
Adj Air Trans Heat	0	0	0	0	0	0	Adj Air Trans Heat	0	0				
Dehumid. Ov Sizing	0	0	0	0	0	0	Ov/Undr Sizing	0	0.00				
Ov/Undr Sizing	0	0	0	0	0	0	Exhaust Heat	0	0.00				
Exhaust Heat	0	0	0	0	0	0	OA Preheat Diff.	544	-13.69				
Sup. Fan Heat	0	0	1,771	4	0	0	RA Preheat Diff.	-2,000	50.29				
Ret. Fan Heat	0	0	0	0	0	0	Additional Reheat	0	0.00				
Duct Heat Pkup	0	0	0	0	0	0	System Plenum Heat	0	0.00				
Underflr Sup Ht Pkup	0	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00				
Supply Air Leakage	0	0	0	0	0	0	Supply Air Leakage	0	0.00				
Grand Total ==>	40,363	0	48,239	100.00	36,407	100.00	Grand Total ==>	-2,521	-3,977	100.00	No. People	20.0	47.0/1000 ft²

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg				
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F					°F	gr/lb	ft²	(%)
Main Clg	4.0	48.2	40.7	1,494	76.6	61.6	58.2	52.0	50.1	51.1	Floor	426		Main Htg	0.0	1,494	69.1	71.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	359		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0						
Total	4.0	48.2									Roof	426	0	Humidif	0.0	0	0.0	0.0
											Wall	0	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	Total	0.0			

Room Checksums

By Trial

SE PLANTA BAJA

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 6 / 15		Mo/Hr: 6 / 15		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 99 / 77 / 103		OADB: 99		OADB: 57			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return <th>Ret/OA <th>Fn MtrTD <th>Fn BldTD <th>Fn Frict </th></th></th></th>	Ret/OA <th>Fn MtrTD <th>Fn BldTD <th>Fn Frict </th></th></th>	Fn MtrTD <th>Fn BldTD <th>Fn Frict </th></th>	Fn BldTD <th>Fn Frict </th>	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Tot Sens Btu/h							
Envelope Loads				Envelope Loads										
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00						
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00						
Roof Cond	10,039	0	10,039	19	10,039	Roof Cond	-1,396	20.27						
Glass Solar	6,862	0	6,862	13	6,862	Glass Solar	0	0.00						
Glass/Door Cond	3,477	0	3,477	6	3,477	Glass/Door Cond	-2,171	31.52						
Wall Cond	852	0	852	2	852	Wall Cond	-288	4.18						
Partition/Door	1,847	0	1,847	3	1,847	Partition/Door	-1,213	17.61						
Floor	0	0	0	0	0	Floor	0	0.00						
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00						
Infiltration	0	0	0	0	0	Infiltration	0	0.00						
Sub Total ==>	23,077	0	23,077	43	23,077	Sub Total ==>	-5,068	73.59						
Internal Loads				Internal Loads										
Lights	4,216	1,054	5,270	10	4,216	Lights	0	0.00						
People	10,955	0	10,955	20	5,830	People	0	0.00						
Misc	6,961	0	6,961	13	6,961	Misc	0	0.00						
Sub Total ==>	22,131	1,054	23,185	43	17,006	Sub Total ==>	0	0.00						
Ceiling Load	0	0	0	0	0	Ceiling Load	0	0.00						
Ventilation Load	0	0	6,694	12	0	Ventilation Load	0	0.00						
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0						
Dehumid. Ov Sizing	0	0	0	0	0	Ov/Undr Sizing	0	0.00						
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	0	0.00						
Exhaust Heat	0	-73	-73	0	0	OA Preheat Diff.	338	-4.90						
Sup. Fan Heat	0	0	1,069	2	0	RA Preheat Diff.	-2,157	31.32						
Ret. Fan Heat	0	0	0	0	0	Additional Reheat	0	0.00						
Duct Heat Pkup	0	0	0	0	0	System Plenum Heat	0	0.00						
Underflr Sup Ht Pkup	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00						
Supply Air Leakage	0	0	0	0	0	Supply Air Leakage	0	0.00						
Grand Total ==>	45,208	981	53,952	100.00	40,083	Grand Total ==>	-5,069	-6,888	100.00					

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		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	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	(%)
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	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°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				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 6 / 16		Mo/Hr: 5 / 16		Mo/Hr: Heating Design			Cooling	Heating				
Outside Air:		OADB/WB/HR: 99 / 77 / 104		OADB: 100		OADB: 57			SADB	55.0	71.4			
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	75.0	70.0			
Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens		Ret/OA	75.0	70.0			
						Btu/h	Btu/h		Fn MtrTD	0.1	0.0			
									Fn BldTD	0.1	0.0			
									Fn Frict	0.4	0.0			
Envelope Loads				Envelope Loads							AIRFLOWS			
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Diffuser	890			890	
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Terminal	890			890	
Roof Cond	1,555	0	1,555	6	1,567	Roof Cond	-230	10.02	Main Fan	890			890	
Glass Solar	0	0	0	0	0	Glass Solar	0	0.00	Sec Fan	0			0	
Glass/Door Cond	0	0	0	0	0	Glass/Door Cond	0	0.00	Nom Vent	60			0	
Wall Cond	0	0	0	0	0	Wall Cond	0	0.00	AHU Vent	60			0	
Partition/Door	1,925	0	1,925	7	1,995	Partition/Door	-1,198	52.04	Infil	0			0	
Floor	0	0	0	0	0	Floor	0	0.00	MinStop/Rh	0			0	
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	Return	890			890	
Infiltration	0	0	0	0	0	Infiltration	0	0.00	Exhaust	60			0	
Sub Total ==>	3,480	0	3,480	13	3,561	Sub Total ==>	-1,428	62.06	Rm Exh	0			0	
Internal Loads				Internal Loads									Auxiliary	0
Lights	854	0	854	3	854	Lights	0	0.00	Leakage Dwn	0	0			
People	5,236	0	5,236	20	2,776	People	0	0.00	Leakage Ups	0	0			
Misc	12,579	0	12,579	49	12,579	Misc	0	0.00	ENGINEERING CKS					
Sub Total ==>	18,669	0	18,669	72	16,209	Sub Total ==>	0	0.00				% OA	6.7	0.0
Ceiling Load	0	0	0	0	0	Ceiling Load	0	0.00				cfm/ft²	6.31	6.31
Ventilation Load	0	0	3,233	12	0	Ventilation Load	0	0.00				cfm/ton	412.14	
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0				ft²/ton	65.33	
Dehumid. Ov Sizing	0	0	0	0	0	Ov/Undr Sizing	0	0.00				Btu/hr-ft²	183.68	0.00
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	0	0.00				No. People	12.0	85.1/1000 ft²
Exhaust Heat	0	0	0	0	0	OA Preheat Diff.	162	-7.05						
Sup. Fan Heat	0	0	527	2	0	RA Preheat Diff.	-1,035	44.99						
Ret. Fan Heat	0	0	0	0	0	Additional Reheat	0	0.00						
Duct Heat Pkup	0	0	0	0	0	System Plenum Heat	0	0.00						
Underflr Sup Ht Pkup	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00						
Supply Air Leakage	0	0	0	0	0	Supply Air Leakage	0	0.00						
Grand Total ==>	22,148	0	25,909	100.00	19,770	Grand Total ==>	-1,428	-2,301						

COOLING COIL SELECTION											AREAS				HEATING COIL SELECTION				
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	ft² (%)	Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F	gr/lb
Main Clg	2.2	25.9	21.8	890	76.6	63.7	67.8	54.5	53.9	61.4	Floor	141							
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	236							
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0							
											ExFlr	0							
Total	2.2	25.9									Roof	141	0	0					
											Wall	0	0	0					
											Ext Door	0	0	0					

Room Checksums

By Trial

SJ-02 PLANTA BAJA

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 6 / 16		Mo/Hr: 5 / 17		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 99 / 77 / 104		OADB: 98		OADB: 57			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens							
Envelope Loads				Envelope Loads										
Skylite Solar	0	0	0	0	0	0	0	0.00						
Skylite Cond	0	0	0	0	0	0	0	0.00						
Roof Cond	1,555	0	1,555	5	1,376	6	-230	9.42						
Glass Solar	0	0	0	0	0	0	0	0.00						
Glass/Door Cond	0	0	0	0	0	0	0	0.00						
Wall Cond	0	0	0	0	0	0	0	0.00						
Partition/Door	1,925		1,925	6	2,034	9	-1,198	48.95						
Floor	0		0	0	0	0	0	0.00						
Adjacent Floor	0		0	0	0	0	0	0.00						
Infiltration	0		0	0	0	0	0	0.00						
<i>Sub Total ==></i>	3,480	0	3,480	12	3,409	15	-1,428	58.37						
Internal Loads				Internal Loads										
Lights	854	0	854	3	872	4	0	0.00						
People	6,109	0	6,109	21	3,270	15	0	0.00						
Misc	14,853	0	14,853	50	14,974	66	0	0.00						
<i>Sub Total ==></i>	21,816	0	21,816	74	19,115	85	0	0.00						
Ceiling Load	0	0	0	0	0	0	0	0.00						
Ventilation Load	0	0	3,772	13	0	0	0	0.00						
Adj Air Trans Heat	0		0	0	0	0	0	0						
Dehumid. Ov Sizing			0	0			0	0.00						
Ov/Undr Sizing	0		0	0	0	0	0	0.00						
Exhaust Heat		0	0	0			189	-7.73						
Sup. Fan Heat			601	2			-1,208	49.36						
Ret. Fan Heat		0	0	0			0	0.00						
Duct Heat Pkup		0	0	0			0	0.00						
Underflr Sup Ht Pkup			0	0			0	0.00						
Supply Air Leakage		0	0	0			0	0.00						
Grand Total ==>	25,296	0	29,668	100.00	22,524	100.00	-1,428	-2,447	100.00					

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		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	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	(%)
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				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 6 / 16		Mo/Hr: 5 / 16		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 99 / 77 / 104		OADB: 100		OADB: 57						SADB	55.0	72.8
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.0	70.0
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.0	70.0
Envelope Loads				Envelope Loads								Ret/OA	76.8	70.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.1	0.0
Roof Cond	1,566	0	1,566	20	1,578	28	-230	20.84	-230	-230	20.84	Fn Frict	0.4	0.0
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00			
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00			
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00			
Partition/Door	943	0	943	12	977	17	-584	52.84	-584	-584	52.84			
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00			
<i>Sub Total ==></i>	2,509	0	2,509	32	2,555	45	-815	73.68	-815	-815	73.68			
Internal Loads				Internal Loads								AIRFLOWS		
Lights	869	0	869	11	869	15	0	0.00	0	0	0.00	Cooling	Heating	
People	1,753	0	1,753	23	933	16	0	0.00	0	0	0.00	Diffuser	258	258
Misc	1,376	0	1,376	18	1,376	24	0	0.00	0	0	0.00	Terminal	258	258
<i>Sub Total ==></i>	3,997	0	3,997	52	3,177	55	0	0.00	0	0	0.00	Main Fan	258	258
Ceiling Load	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Ventilation Load	0	0	1,078	14	0	0	0	0.00	0	0	0.00	Nom Vent	20	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	20	0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	Infil	0	0
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	MinStop/Rh	0	0
Exhaust Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	Return	258	258
Sup. Fan Heat	0	0	153	2	0	0	54	-4.89	0	0	0.00	Exhaust	20	0
Ret. Fan Heat	0	0	0	0	0	0	RA Preheat Diff.	-345	31.20	0	0.00	Rm Exh	0	0
Duct Heat Pkup	0	0	0	0	0	0	Additional Reheat	0	0.00	0	0.00	Auxiliary	0	0
Underflr Sup Ht Pkup	0	0	0	0	0	0	System Plenum Heat	0	0.00	0	0.00	Leakage Dwn	0	0
Supply Air Leakage	0	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00	0	0.00	Leakage Ups	0	0
Supply Air Leakage	0	0	0	0	0	0	Supply Air Leakage	0	0.00	0	0.00			
Grand Total ==>	6,506	0	7,736	100.00	5,732	100.00	Grand Total ==>	-815	-1,106	100.00	ENGINEERING CKS			
												% 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										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	%	Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F
Main Clg	0.6	7.7	6.4	258	76.8	63.8	68.2	54.5	53.8	60.9	Floor	141		Main Htg	0.0	258	69.0	72.8
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	115		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0						
Total	0.6	7.7									Roof	141	0	Humidif	0.0	0	0.0	0.0
											Wall	0	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	Total	0.0			

Room Checksums

By Trial

SJ-04 PLANTA BAJA

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 6 / 16		Mo/Hr: 5 / 16		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 99 / 77 / 104		OADB: 100		OADB: 57						SADB	55.0	72.8
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.0	70.0
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.0	70.0
Envelope Loads				Envelope Loads								Ret/OA	76.8	70.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.1	0.0
Roof Cond	1,566	0	1,566	20	1,578	28	-230	20.84	-230	-230	20.84	Fn Frict	0.4	0.0
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00			
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00			
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00			
Partition/Door	943	0	943	12	977	17	-584	52.84	-584	-584	52.84			
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00			
<i>Sub Total ==></i>	2,509	0	2,509	32	2,555	45	-815	73.68	-815	-815	73.68			
Internal Loads				Internal Loads								AIRFLOWS		
Lights	869	0	869	11	869	15	0	0.00	0	0	0.00	Cooling	Heating	
People	1,753	0	1,753	23	933	16	0	0.00	0	0	0.00	Diffuser	258	258
Misc	1,376	0	1,376	18	1,376	24	0	0.00	0	0	0.00	Terminal	258	258
<i>Sub Total ==></i>	3,997	0	3,997	52	3,177	55	0	0.00	0	0	0.00	Main Fan	258	258
Ceiling Load	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Ventilation Load	0	0	1,078	14	0	0	0	0.00	0	0	0.00	Nom Vent	20	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	20	0
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	Infil	0	0
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	MinStop/Rh	0	0
Exhaust Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	Return	258	258
Sup. Fan Heat	0	0	153	2	0	0	54	-4.89	0	-345	31.20	Exhaust	20	0
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	Rm Exh	0	0
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	Auxiliary	0	0
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Dwn	0	0
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0
Grand Total ==>	6,506	0	7,736	100.00	5,732	100.00	-815	100.00	-815	-1,106	100.00	ENGINEERING CKS		
												% 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										AREAS			HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F	
Main Clg	0.6	7.7	6.4	258	76.8	63.8	68.2	54.5	53.8	60.9	Floor	141	Main Htg	0.0	258	69.0	72.8
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	115	Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
											ExFlr	0	Humidif	0.0	0	0.0	0.0
Total	0.6	7.7									Roof	141	0	0.0	0.0	0.0	0.0
											Wall	0	0	0.0	0.0	0.0	0.0
											Ext Door	0	0	0.0	0.0	0.0	0.0
													Total	0.0			

Room Checksums

By Trial

SJ-05 PLANTA BAJA

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 6 / 16		Mo/Hr: 5 / 16		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 99 / 77 / 104		OADB: 100		OADB: 57			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Tot Sens Btu/h							
Envelope Loads				Envelope Loads										
Skylite Solar	0	0	0	0	0	0	0	0.00						
Skylite Cond	0	0	0	0	0	0	0	0.00						
Roof Cond	1,555	0	1,555	6	1,567	8	-230	10.02						
Glass Solar	0	0	0	0	0	0	0	0.00						
Glass/Door Cond	0	0	0	0	0	0	0	0.00						
Wall Cond	0	0	0	0	0	0	0	0.00						
Partition/Door	1,925	0	1,925	7	1,995	10	-1,198	52.04						
Floor	0	0	0	0	0	0	0	0.00						
Adjacent Floor	0	0	0	0	0	0	0	0.00						
Infiltration	0	0	0	0	0	0	0	0.00						
<i>Sub Total ==></i>	3,480	0	3,480	13	3,561	18	-1,428	62.06						
Internal Loads				Internal Loads										
Lights	854	0	854	3	854	4	0	0.00						
People	5,236	0	5,236	20	2,776	14	0	0.00						
Misc	12,579	0	12,579	49	12,579	64	0	0.00						
<i>Sub Total ==></i>	18,669	0	18,669	72	16,209	82	0	0.00						
Ceiling Load	0	0	0	0	0	0	0	0.00						
Ventilation Load	0	0	3,233	12	0	0	0	0.00						
Adj Air Trans Heat	0	0	0	0	0	0	0	0						
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00						
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00						
Exhaust Heat	0	0	0	0	0	0	0	0.00						
Sup. Fan Heat	0	0	527	2	0	0	162	-7.05						
Ret. Fan Heat	0	0	0	0	0	0	-1,035	44.99						
Duct Heat Pkup	0	0	0	0	0	0	0	0.00						
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00						
Supply Air Leakage	0	0	0	0	0	0	0	0.00						
Grand Total ==>	22,148	0	25,909	100.00	19,770	100.00	-1,428	100.00						

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		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	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	(%)
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				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 1 / 17		Mo/Hr: 1 / 17		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 90 / 71 / 87		OADB: 90		OADB: 57			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Tot Sens Btu/h							
Envelope Loads				Envelope Loads										
Skylite Solar	0	0	0	0	0	0	0	0.00						
Skylite Cond	0	0	0	0	0	0	0	0.00						
Roof Cond	888	0	888	7	888	8	-228	6.54						
Glass Solar	0	0	0	0	0	0	0	0.00						
Glass/Door Cond	0	0	0	0	0	0	0	0.00						
Wall Cond	6,587	0	6,587	53	6,587	59	-1,180	33.78						
Partition/Door	1,952	0	1,952	16	1,952	18	-1,866	53.43						
Floor	0	0	0	0	0	0	0	0.00						
Adjacent Floor	0	0	0	0	0	0	0	0.00						
Infiltration	0	0	0	0	0	0	0	0.00						
Sub Total ==>	9,427	0	9,427	75	9,427	85	-3,274	93.75						
Internal Loads				Internal Loads										
Lights	797	0	797	6	797	7	0	0.00						
People	1,291	0	1,291	10	676	6	0	0.00						
Misc	222	0	222	2	222	2	0	0.00						
Sub Total ==>	2,310	0	2,310	18	1,695	15	0	0.00						
Ceiling Load	0	0	0	0	0	0	0	0.00						
Ventilation Load	0	0	471	4	0	0	0	0.00						
Adj Air Trans Heat	0	0	0	0	0	0	0	0						
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00						
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00						
Exhaust Heat	0	0	0	0	0	0	41	-1.16						
Sup. Fan Heat	0	0	297	2	0	0	-259	7.41						
Ret. Fan Heat	0	0	0	0	0	0	0	0.00						
Duct Heat Pkup	0	0	0	0	0	0	0	0.00						
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00						
Supply Air Leakage	0	0	0	0	0	0	0	0.00						
Grand Total ==>	11,737	0	12,505	100.00	11,122	100.00	-3,274	-3,492	100.00					

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		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	1.0	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	(%)
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	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°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				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 6 / 16		Mo/Hr: 5 / 16		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 99 / 77 / 104		OADB: 100		OADB: 57			SADB			Ra Plenum		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	Ret/OA	Fn MtrTD	Fn BldTD	Fn Frict	
Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens							
Envelope Loads				Envelope Loads										
Skylite Solar	0	0	0	0	0	0	0	0.00						
Skylite Cond	0	0	0	0	0	0	0	0.00						
Roof Cond	4,669	0	4,669	12	4,706	19	-689	13.06						
Glass Solar	0	0	0	0	0	0	0	0.00						
Glass/Door Cond	0	0	0	0	0	0	0	0.00						
Wall Cond	0	0	0	0	0	0	0	0.00						
Partition/Door	3,874	0	3,874	10	4,015	16	-2,405	45.58						
Floor	0	0	0	0	0	0	0	0.00						
Adjacent Floor	0	0	0	0	0	0	0	0.00						
Infiltration	0	0	0	0	0	0	0	0.00						
<i>Sub Total ==></i>	8,544	0	8,544	22	8,720	35	-3,094	58.64						
Internal Loads				Internal Loads										
Lights	2,581	0	2,581	6	2,581	10	0	0.00						
People	13,124	0	13,124	33	6,974	28	0	0.00						
Misc	6,725	0	6,725	17	6,725	27	0	0.00						
<i>Sub Total ==></i>	22,430	0	22,430	56	16,280	65	0	0.00						
Ceiling Load	0	0	0	0	0	0	0	0.00						
Ventilation Load	0	0	8,077	20	0	0	0	0.00						
Adj Air Trans Heat	0	0	0	0	0	0	0	0						
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00						
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00						
Exhaust Heat	0	0	0	0	0	0	0	0.00						
Sup. Fan Heat	0	0	670	2	0	0	389	-7.37						
Ret. Fan Heat	0	0	0	0	0	0	-2,572	48.73						
Duct Heat Pkup	0	0	0	0	0	0	0	0.00						
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00						
Supply Air Leakage	0	0	0	0	0	0	0	0.00						
Grand Total ==>	30,973	0	39,721	100.00	25,000	100.00	-3,094	-5,277	100.00					

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		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	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	(%)
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	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°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				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES		
Peaked at Time:		Mo/Hr: 5 / 16		Mo/Hr: 5 / 16		Mo/Hr: Heating Design			Cooling	Heating			
Outside Air:		OADB/WB/HR: 100 / 76 / 99		OADB: 100		OADB: 57			SADB	55.0	73.2		
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Return	75.0	70.0		
Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens		Ret/OA	75.8	70.0		
Envelope Loads				Envelope Loads							AIRFLOWS		
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Diffuser	332	332		
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Terminal	332	332		
Roof Cond	1,943	0	1,943	23	1,943	26	-284	21.50	Main Fan	332	332		
Glass Solar	0	0	0	0	0	0	0	0.00	Sec Fan	0	0		
Glass/Door Cond	0	0	0	0	0	0	0	0.00	Nom Vent	10	0		
Wall Cond	0	0	0	0	0	0	0	0.00	AHU Vent	10	0		
Partition/Door	1,490	0	1,490	18	1,490	20	-892	67.49	Infil	0	0		
Floor	0	0	0	0	0	0	0	0.00	MinStop/Rh	0	0		
Adjacent Floor	0	0	0	0	0	0	0	0.00	Return	332	332		
Infiltration	0	0	0	0	0	0	0	0.00	Exhaust	10	0		
Sub Total ==>	3,433	0	3,433	40	3,433	47	-1,176	88.99	Rm Exh	0	0		
Internal Loads				Internal Loads							ENGINEERING CKS		
Lights	1,068	0	1,068	13	1,068	14	0	0.00	% OA	3.0	0.0		
People	876	0	876	10	466	6	0	0.00	cfm/ft²	1.91	1.91		
Misc	2,408	0	2,408	28	2,408	33	0	0.00	cfm/ton	469.12			
Sub Total ==>	4,351	0	4,351	51	3,941	53	0	0.00	ft²/ton	245.77			
Ceiling Load	0	0	0	0	0	0	0	0.00	Btu/hr-ft²	48.83	0.00		
Ventilation Load	0	0	509	6	0	0	0	0.00	No. People	2.0	11.5/1000 ft²		
Adj Air Trans Heat	0	0	0	0	0	0	0	0					
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00					
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00					
Exhaust Heat	0	0	0	0	0	0	0	0.00					
Sup. Fan Heat	0	0	197	2	0	0	27	-2.04					
Ret. Fan Heat	0	0	0	0	0	0	-173	13.06					
Duct Heat Pkup	0	0	0	0	0	0	0	0.00					
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00					
Supply Air Leakage	0	0	0	0	0	0	0	0.00					
Grand Total ==>	7,784	0	8,490	100.00	7,374	100.00	-1,176	-1,322	100.00				

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Ent	Lvg				
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F					°F	gr/lb	ft²	(%)
Main Clg	0.7	8.5	7.9	332	75.8	63.0	66.2	54.5	54.4	63.4	Floor	174		Main Htg	0.0	332	69.6	73.2
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	176		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0						
Total	0.7	8.5									Roof	174	0	Humidif	0.0	0	0.0	0.0
											Wall	0	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	Total	0.0			

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

COOLING COIL SELECTION

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 %

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

COOLING COIL SELECTION

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 %

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

COOLING COIL SELECTION

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 %

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 ft ² /ton
Total Floor Area	328 ft ²
Cooling Airflow	2.30 cfm/ft ²
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

COOLING COIL SELECTION

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 %

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 ft ² /ton
Total Floor Area	7,492 ft ²
Cooling Airflow	1.55 cfm/ft ²
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

COOLING COIL SELECTION

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 %

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 ft ² /ton
Total Floor Area	141 ft ²
Cooling Airflow	4.12 cfm/ft ²
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

COOLING COIL SELECTION

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 %

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 ft ² /ton
Total Floor Area	141 ft ²
Cooling Airflow	3.83 cfm/ft ²
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

COOLING COIL SELECTION

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 %

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 ft ² /ton
Total Floor Area	141 ft ²
Cooling Airflow	3.83 cfm/ft ²
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

COOLING COIL SELECTION

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 %

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 ft ² /ton
Total Floor Area	141 ft ²
Cooling Airflow	3.83 cfm/ft ²
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

COOLING COIL SELECTION

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 %

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

COOLING COIL SELECTION

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 %

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 ft ² /ton
Total Floor Area	141 ft ²
Cooling Airflow	3.83 cfm/ft ²
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

COOLING COIL SELECTION

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 %

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 ft ² /ton
Total Floor Area	141 ft ²
Cooling Airflow	3.83 cfm/ft ²
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

COOLING COIL SELECTION

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 %

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

COOLING COIL SELECTION

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 %

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 ft ² /ton
Total Floor Area	187 ft ²
Cooling Airflow	3.06 cfm/ft ²
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

COOLING COIL SELECTION

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 %

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 ft ² /ton
Total Floor Area	141 ft ²
Cooling Airflow	3.83 cfm/ft ²
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

COOLING COIL SELECTION

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 %

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 ft ² /ton
Total Floor Area	141 ft ²
Cooling Airflow	3.83 cfm/ft ²
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

COOLING COIL SELECTION

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 %

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 ft ² /ton
Total Floor Area	141 ft ²
Cooling Airflow	3.83 cfm/ft ²
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

COOLING COIL SELECTION

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 %

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 ft ² /ton
Total Floor Area	141 ft ²
Cooling Airflow	3.83 cfm/ft ²
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

COOLING COIL SELECTION

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 %

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 ft ² /ton
Total Floor Area	854 ft ²
Cooling Airflow	2.11 cfm/ft ²
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

COOLING COIL SELECTION

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 %

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 ft ² /ton
Total Floor Area	141 ft ²
Cooling Airflow	6.31 cfm/ft ²
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

COOLING COIL SELECTION

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 %

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 ft ² /ton
Total Floor Area	141 ft ²
Cooling Airflow	7.19 cfm/ft ²
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

COOLING COIL SELECTION

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 %

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

COOLING COIL SELECTION

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 %

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

COOLING COIL SELECTION

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 %

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 ft ² /ton
Total Floor Area	141 ft ²
Cooling Airflow	6.31 cfm/ft ²
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

COOLING COIL SELECTION

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 %

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 ft ² /ton
Total Floor Area	140 ft ²
Cooling Airflow	3.58 cfm/ft ²
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

COOLING COIL SELECTION

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 %

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 ft ² /ton
Total Floor Area	422 ft ²
Cooling Airflow	2.68 cfm/ft ²
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

COOLING COIL SELECTION

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 %

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 ft ² /ton
Total Floor Area	174 ft ²
Cooling Airflow	1.91 cfm/ft ²
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

COOLING COIL SELECTION

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 %

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 ft ² /ton
Total Floor Area	4,399 ft ²
Cooling Airflow	1.78 cfm/ft ²
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

COOLING COIL SELECTION

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 %

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 ft ² /ton
Total Floor Area	144 ft ²
Cooling Airflow	1.45 cfm/ft ²
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

COOLING COIL SELECTION

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 %

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 ft ² /ton
Total Floor Area	150 ft ²
Cooling Airflow	3.32 cfm/ft ²
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

COOLING COIL SELECTION

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 %

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 ft ² /ton
Total Floor Area	144 ft ²
Cooling Airflow	1.83 cfm/ft ²
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

COOLING COIL SELECTION

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 %

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 ft ² /ton
Total Floor Area	426 ft ²
Cooling Airflow	3.51 cfm/ft ²
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

COOLING COIL SELECTION

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 %

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 ft ² /ton
Total Floor Area	174 ft ²
Cooling Airflow	4.34 cfm/ft ²
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

COOLING COIL SELECTION

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 %

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 ft ² /ton
Total Floor Area	145 ft ²
Cooling Airflow	4.23 cfm/ft ²
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												
System	Zone	Room	Component	Time	Total Capacity		Sensible	Airflow At	Enter DB/ WB/ HR			Leave DB/ WB/ HR			
				Of Peak	ton	MBh	Capacity	Coil Peak	°F	°F	gr/lb	°F	°F	gr/lb	
				Mo/Hr			MBh	cfm							
		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							
System	Zone	Room	Component	Design Airflow		Outside Air	SADB		Clg VAV	Htg VAV
				cfm	Ach/hr	%	Clg °F	Htg °F	Minimum cfm	Maximum 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		

Project Name: CECIS UNIDAD MERIDA
 Dataset Name: CECIS-MERIDA-01 160118.trc

System Component Selection Summary

By Trial

Component Location			Miscellaneous Component Selection							
System	Zone	Room	Component	Design Airflow		Outside Air %	SADB		Clg VAV Minimum cfm	Htg VAV Maximum cfm
				cfm	Ach/hr		Clg °F	Htg °F		
	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							
System	Zone	Room	Component	Design Airflow		Outside Air %	SADB		Clg VAV Minimum cfm	Htg VAV Maximum cfm
				cfm	Ach/hr		Clg °F	Htg °F		
		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											
System	Zone	Room	Component	Time Of Peak Mo/Hr	Total Capacity		Sensible Capacity MBh	Airflow At Coil Peak cfm	Enter DB/ WB/ HR			Leave DB/ WB/ HR		
					ton	MBh			°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				
System	Zone	Room	Component	Total Capacity MBh	Airflow cfm	Entering Dry Bulb	Leaving Dry Bulb
						°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							
System	Zone	Room	Component	Design Airflow		Outside Air %	SADB		Clg VAV Minimum cfm	Htg VAV Maximum cfm
				cfm	Ach/hr		Clg °F	Htg °F		
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											
System	Zone	Room	Component	Time Of Peak Mo/Hr	Total Capacity		Sensible Capacity MBh	Airflow At Coil Peak cfm	Enter DB/ WB/ HR			Leave DB/ WB/ HR		
					ton	MBh			°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				
System	Zone	Room	Component	Total Capacity MBh	Airflow cfm	Entering Dry Bulb	Leaving Dry Bulb
						°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							
System	Zone	Room	Component	Design Airflow		Outside Air %	SADB		Clg VAV Minimum cfm	Htg VAV Maximum cfm
				cfm	Ach/hr		Clg °F	Htg °F		
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											
System	Zone	Room	Component	Time Of Peak Mo/Hr	Total Capacity		Sensible Capacity MBh	Airflow At Coil Peak cfm	Enter DB/ WB/ HR			Leave DB/ WB/ HR		
					ton	MBh			°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				
System	Zone	Room	Component	Total Capacity MBh	Airflow cfm	Entering Dry Bulb °F	Leaving Dry Bulb °F

Component Location			Miscellaneous Component Selection							
System	Zone	Room	Component	Design Airflow		Outside Air %	SADB		Clg VAV Minimum cfm	Htg VAV Maximum cfm
				cfm	Ach/hr		Clg °F	Htg °F		
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)