

CECIS UNIDAD ACAPULCO

Location	ACAPULCO, GUERRERO
Building owner	INFONAVIT
Program user	ING MEZA
Company	INGENOR
Comments	
By	INGENOR MEXICO S.A. DE C.V.
Dataset name	C:\Users\AMH\Documents\TRACE 700 Projects\CECIS-ACAPULCO-01.trc
Calculation time	01:41 PM on 03/26/2018
TRACE® 700 version	6.3.3
Location	Acapulco, Mexico (IWC)
Latitude	16.8 deg
Longitude	99.8 deg
Time Zone	6
Elevation	18 ft
Barometric pressure	29.9 in. Hg
Air density	0.0760 lb/cu ft
Air specific heat	0.2444 Btu/lb·°F
Density-specific heat product	1.1147 Btu/h·cfm·°F
Latent heat factor	4,906.9 Btu·min/h·cu ft
Enthalpy factor	4.5604 lb·min/hr·cu ft
Summer design dry bulb	92.8 °F
Summer design wet bulb	80.8 °F
Winter design dry bulb	60.8 °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 INGENOR MEXICO S.A. DE C.V.

ACAPULCO DELEGACION UGAR

Variable Temperature Constant Volume

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES				
Peaked at Time:		Mo/Hr: 11 / 16		Mo/Hr: Sum of		Mo/Hr: Heating Design					Cooling		Heating		
Outside Air:		OADB/WB/HR: 92 / 81 / 143		OADB: Peaks		OADB: 61					SADB	55.0	73.9		
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	75.5	67.0	
Envelope Loads				Envelope Loads									Ret/OA	76.3	67.0
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	173,708	0	173,708	15	172,086	19	Roof Cond	-12,572	-12,572	3.92		Fn Frict	0.4	0.0	
Glass Solar	126,077	0	126,077	11	131,596	15	Glass Solar	0	0	0.00		AIRFLOWS			
Glass/Door Cond	16,436	0	16,436	1	15,618	2	Glass/Door Cond	-8,570	-8,570	2.67					
Wall Cond	95,759	0	95,759	8	95,806	11	Wall Cond	-16,004	-16,004	4.98					
Partition/Door	83,679	0	83,679	7	82,478	9	Partition/Door	-27,922	-27,922	8.70					
Floor	0	0	0	0	0	Floor	0	0	0.00						
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0	0						
Infiltration	0	0	0	0	0	Infiltration	0	0	0.00						
Sub Total ==>	495,659	0	495,659	43	497,583	55	Sub Total ==>	-65,067	-65,067	20.27					
Internal Loads				Internal Loads											
Lights	121,591	22,459	144,050	12	121,701	14	Lights	0	0	0.00					
People	165,512	0	165,512	14	87,845	10	People	0	0	0.00					
Misc	192,847	0	192,847	17	192,894	21	Misc	0	0	0.00					
Sub Total ==>	479,950	22,459	502,409	43	402,439	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	140,791	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	-242,870	-242,870	75.64					
Ov/Undr Sizing	0	0	0	0	0	0	Exhaust Heat	0	0	0.00					
Exhaust Heat	-1,075	-1,075	0	0	0	0	OA Preheat Diff.	13,373	-4.17	8.26					
Sup. Fan Heat	0	23,924	0	2	0	0	RA Preheat Diff.	-26,512	0.00	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	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 ==>	-307,938	-321,077	100.00					
Grand Total ==>	975,609	21,384	1,161,708	100.00	900,022	100.00	Grand Total ==>	-307,938	-321,077	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			°F	°F	gr/lb	°F	°F	gr/lb								ft²	(%)
Main Clg	96.8	1,161.7	978.2	40,371	76.3	63.8	68.7	54.5	54.2	62.3	Floor	17,520			Main Htg	0.0	40,371	66.7	73.9
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	14,249			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	96.8	1,161.7									Roof	17,520	0	0	Humidif	0.0	0	0.0	0.0
											Wall	5,832	1,994	34	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	Total	0.0			

Zone Checksums

By INGENOR MEXICO S.A. DE C.V.

CECIS

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES			
Peaked at Time:		Mo/Hr: 11 / 17			Mo/Hr: 11 / 17		Mo/Hr: Heating Design						Cooling			Heating		
Outside Air:		OADB/WB/HR: 91 / 81 / 145			OADB: 91		OADB: 61						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	Coil Peak	Percent Of Total	Return	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	Btu/h			
Envelope Loads					Envelope Loads										AIRFLOWS			
Skylite Solar	0	0	0	0	0	0	0	0.00	Skylite Solar	0	0	0.00	Diffuser	12,595	12,595	Heating		
Skylite Cond	0	0	0	0	0	0	0	0.00	Skylite Cond	0	0	0.00	Terminal	12,595	12,595	Heating		
Roof Cond	39,619	0	39,619	11	38,214	14	-3,041	3.14	Roof Cond	-3,041	-3,041	3.14	Main Fan	12,595	12,595	Heating		
Glass Solar	80,873	0	80,873	23	86,245	31	0	0.00	Glass Solar	0	0	0.00	Sec Fan	0	0	Heating		
Glass/Door Cond	8,693	0	8,693	2	7,897	3	-3,280	3.38	Glass/Door Cond	-3,280	-3,280	3.38	Nom Vent	575	0	Heating		
Wall Cond	21,317	0	21,317	6	21,322	8	-3,349	3.45	Wall Cond	-3,349	-3,349	3.45	AHU Vent	575	0	Heating		
Partition/Door	10,861	0	10,861	3	9,604	3	-3,721	3.84	Partition/Door	-3,721	-3,721	3.84	Infil	0	0	Heating		
Floor	0	0	0	0	0	0	0	0.00	Floor	0	0	0.00	MinStop/Rh	0	0	Heating		
Adjacent Floor	0	0	0	0	0	0	0	0.00	Adjacent Floor	0	0	0.00	Return	12,595	12,595	Heating		
Infiltration	0	0	0	0	0	0	0	0.00	Infiltration	0	0	0.00	Exhaust	575	0	Heating		
Sub Total ==>	161,363	0	161,363	45	163,282	58	-13,390	13.81	Sub Total ==>	-13,390	-13,390	13.81	Rm Exh	0	0	Heating		
Internal Loads					Internal Loads										ENGINEERING CKS			
Lights	34,291	7,275	41,566	12	34,291	12	0	0.00	Lights	0	0	0.00	% OA	4.6	0.0	Heating		
People	50,666	0	50,666	14	27,091	10	0	0.00	People	0	0	0.00	cfm/ft²	2.67	2.67	Heating		
Misc	56,120	0	56,120	16	56,120	20	0	0.00	Misc	0	0	0.00	cfm/ton	420.72		Heating		
Sub Total ==>	141,077	7,275	148,352	41	117,502	42	0	0.00	Sub Total ==>	0	0	0.00	ft²/ton	157.52		Heating		
Ceiling Load	0	0	0	0	0	0	0	0.00	Ceiling Load	0	0	0.00	Btu/hr-ft²	76.18	0.00	Heating		
Ventilation Load	0	0	42,441	12	0	0	0	0.00	Ventilation Load	0	0	0.00	No. People	115		Heating		
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	Adj Air Trans Heat	0	0	0.00						
Dehumid. Ov Sizing	0	0	0	0	0	0	-80,107	82.61	Ov/Undr Sizing	-80,107	-80,107	82.61						
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	Exhaust Heat	0	0	0.00						
Exhaust Heat	-382	-382	0	0	0	0	4,058	-4.18	OA Preheat Diff.	4,058	4,058	-4.18						
Sup. Fan Heat		7,464	0	2	0	0	-7,530	7.76	RA Preheat Diff.	-7,530	-7,530	7.76						
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	Additional Reheat	0	0	0.00						
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	System Plenum Heat	0	0	0.00						
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	Underflr Sup Ht Pkup	0	0	0.00						
Supply Air Leakage	0	0	0	0	0	0	0	0.00	Supply Air Leakage	0	0	0.00						
Grand Total ==>	302,440	6,893	359,239	100.00	280,784	100.00	-93,497	100.00	Grand Total ==>	-93,497	-96,969	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	29.9	359.2	303.6	12,595	76.2	63.8	68.6	54.5	54.3	62.5	Floor	0.0	12,595	66.0	72.9		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0.0	0	0.0	0.0		
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		
Total	29.9	359.2									ExFlr	0.0	0	0.0	0.0		
											Roof	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 INGENOR MEXICO S.A. DE C.V.

DELEGACION

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 16		Mo/Hr: 7 / 17		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 92 / 81 / 146		OADB: 91		OADB: 61			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	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	Skylite Solar	0	0.00						
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00						
Roof Cond	134,089	0	134,089	17	133,872	22	Roof Cond	-9,531	-9,531	4.25				
Glass Solar	45,204	0	45,204	6	45,350	7	Glass Solar	0	0	0.00				
Glass/Door Cond	7,743	0	7,743	1	7,721	1	Glass/Door Cond	-5,290	-5,290	2.36				
Wall Cond	74,442	0	74,442	9	74,483	12	Wall Cond	-12,655	-12,655	5.65				
Partition/Door	72,818	0	72,818	9	72,874	12	Partition/Door	-24,201	-24,201	10.80				
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 ==>	334,295	0	334,295	42	334,301	54	Sub Total ==>	-51,677	-51,677	23.06				
Internal Loads				Internal Loads				Internal Loads						
Lights	87,300	15,184	102,484	13	87,410	14	Lights	0	0	0.00				
People	114,846	0	114,846	14	60,754	10	People	0	0	0.00				
Misc	136,727	0	136,727	17	136,774	22	Misc	0	0	0.00				
Sub Total ==>	338,873	15,184	354,057	44	284,937	46	Sub Total ==>	0	0	0.00				
Ceiling Load	0	0	0	0	0	Ceiling Load	0	0	0.00					
Ventilation Load	0	0	98,350	12	0	Ventilation Load	0	0	0.00					
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0	0					
Dehumid. Ov Sizing	0	0	0	0	0	Ov/Undr Sizing	-162,763	-162,763	72.62					
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	0	0	0.00					
Exhaust Heat	-693	-693	0	0	0	OA Preheat Diff.	9,315	-4.16						
Sup. Fan Heat	0	16,460	2	2	2	RA Preheat Diff.	-19,003	8.48						
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 ==>	673,169	14,491	802,470	100.00	619,238	100.00	Grand Total ==>	-214,440	-224,128	100.00				

AIRFLOWS		
	Cooling	Heating
Diffuser	27,777	27,777
Terminal	27,777	27,777
Main Fan	27,777	27,777
Sec Fan	0	0
Nom Vent	1,320	0
AHU Vent	1,320	0
Infil	0	0
MinStop/Rh	0	0
Return	27,777	27,777
Exhaust	1,320	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	4.8	0.0
cfm/ft²	2.17	2.17
cfm/ton	415.37	
ft²/ton	191.47	
Btu/hr-ft²	62.67	0.00
No. People	264	

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	66.9	802.5	674.6	27,777	76.3	63.8	68.7	54.5	54.2	62.2
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	66.9	802.5								

AREAS			
	Gross Total	Glass ft²	(%)
Floor	12,804		
Part	12,398		
Int Door	0		
ExFlr	0		
Roof	12,804	0	0
Wall	3,924	972	25
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	0.0	27,777	67.1	74.3
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 INGENOR MEXICO S.A. DE C.V.

CECIS AVI

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES				
Peaked at Time:		Mo/Hr: 11 / 17			Mo/Hr: 12 / 17		Mo/Hr: Heating Design						Cooling			Heating			
Outside Air:		OADB/WB/HR: 91 / 81 / 145			OADB: 89		OADB: 61						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	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										AIRFLOWS				
Skylite Solar	0	0	0	0	0	0	Skylite Solar	0	0.00	0	0	0.00	Diffuser	9,530	9,530				
Skylite Cond	0	0	0	0	0	0	Skylite Cond	0	0.00	0	0	0.00	Terminal	9,530	9,530				
Roof Cond	30,453	0	30,453	11	29,047	14	Roof Cond	-1,992	2.32	-1,992	2.32	0.44	Main Fan	9,530	9,530				
Glass Solar	66,409	0	66,409	24	71,781	34	Glass Solar	0	0.00	0	0.00	0.00	Sec Fan	0	0				
Glass/Door Cond	6,663	0	6,663	2	5,867	3	Glass/Door Cond	-1,917	2.23	-1,917	2.23	0.00	Nom Vent	500	0				
Wall Cond	6,552	0	6,552	2	6,557	3	Wall Cond	-378	0.44	-378	0.44	0.00	AHU Vent	500	0				
Partition/Door	9,020	0	9,020	3	7,763	4	Partition/Door	-2,425	2.82	-2,425	2.82	0.00	Infil	0	0				
Floor	0	0	0	0	0	0	Floor	0	0.00	0	0.00	0.00	MinStop/Rh	0	0				
Adjacent Floor	0	0	0	0	0	0	Adjacent Floor	0	0.00	0	0.00	0.00	Return	9,530	9,530				
Infiltration	0	0	0	0	0	0	Infiltration	0	0.00	0	0.00	0.00	Exhaust	500	0				
Sub Total ==>	119,097	0	119,097	42	121,016	57	Sub Total ==>	-6,712	7.80	-6,712	7.80	0.00	Rm Exh	0	0				
Internal Loads					Internal Loads										ENGINEERING CKS				
Lights	29,100	7,275	36,375	13	29,100	14	Lights	0	0.00	0	0.00	0.00	% OA	5.2	0.0				
People	44,199	0	44,199	16	23,699	11	People	0	0.00	0	0.00	0.00	cfm/ft²	2.51	2.51				
Misc	38,651	0	38,651	14	38,651	18	Misc	0	0.00	0	0.00	0.00	cfm/ton	407.65					
Sub Total ==>	111,950	7,275	119,225	42	91,450	43	Sub Total ==>	0	0.00	0	0.00	0.00	ft²/ton	162.62					
Ceiling Load	0	0	0	0	0	0	Ceiling Load	0	0.00	0	0.00	0.00	Btu/hr-ft²	73.79	0.00				
Ventilation Load	0	0	36,961	13	0	0	Ventilation Load	0	0.00	0	0.00	0.00	No. People	100.0	26.3/1000 ft²				
Adj Air Trans Heat	0	0	0	0	0	0	Adj Air Trans Heat	0	0	0	0	0							
Dehumid. Ov Sizing	0	0	0	0	0	0	Ov/Undr Sizing	-76,961	89.48	-76,961	89.48	0.00							
Ov/Undr Sizing	0	0	0	0	0	0	Exhaust Heat	0	0.00	0	0.00	0.00							
Exhaust Heat	0	-382	-382	0	0	0	OA Preheat Diff.	0	-4.10	0	-4.10	0.00							
Sup. Fan Heat	0	0	5,648	2	0	0	RA Preheat Diff.	0	6.82	-5,869	6.82	0.00							
Ret. Fan Heat	0	0	0	0	0	0	Additional Reheat	0	0.00	0	0.00	0.00							
Duct Heat Pkup	0	0	0	0	0	0	System Plenum Heat	0	0.00	0	0.00	0.00							
Underflr Sup Ht Pkup	0	0	0	0	0	0	Underflr Sup Ht Pkup	0	0.00	0	0.00	0.00							
Supply Air Leakage	0	0	0	0	0	0	Supply Air Leakage	0	0.00	0	0.00	0.00							
Grand Total ==>	231,048	6,893	280,550	100.00	212,466	100.00	Grand Total ==>	-83,673	100.00	-86,014	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	23.4	280.6	232.1	9,530	76.5	64.0	69.1	54.5	54.2	62.2	Floor	3,802	0.0	9,530	64.8	72.9			
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	1,488	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	23.4	280.6									Roof	3,802	0	0	0.0	0.0			
											Wall	964	772	80	0.0	0.0			
											Ext Door	0	0	0	0.0	0.0			
											Total	0.0							

Room Checksums

By INGENOR MEXICO S.A. DE C.V.

CECIS CC

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 6 / 17		Mo/Hr: 6 / 17		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 91 / 81 / 144		OADB: 91		OADB: 61			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		75.0	75.9	0.1	0.1	0.4	
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	1,788	0	1,788	11	1,788	Roof Cond	-214	10.27						
Glass Solar	1,198	0	1,198	7	1,198	Glass Solar	0	0.00						
Glass/Door Cond	251	0	251	2	251	Glass/Door Cond	-160	7.70						
Wall Cond	6,322	0	6,322	39	6,322	Wall Cond	-1,401	67.27						
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00						
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>	9,559	0	9,559	59	9,559	<i>Sub Total ==></i>	-1,776	85.23						
Internal Loads				Internal Loads										
Lights	1,109	0	1,109	7	1,109	Lights	0	0.00						
People	2,608	0	2,608	16	1,378	People	0	0.00						
Misc	301	0	301	2	301	Misc	0	0.00						
<i>Sub Total ==></i>	4,018	0	4,018	25	2,788	<i>Sub Total ==></i>	0	0.00						
Ceiling Load	0	0	0	0	0	Ceiling Load	0	0.00						
Ventilation Load	0	0	2,182	14	0	Ventilation Load	0	0.00						
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0						
Dehumid. Ov Sizing			0	0		Ov/Undr Sizing	0	0.00						
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	0	0.00						
Exhaust Heat		0	0	0		OA Preheat Diff.	212	-10.16						
Sup. Fan Heat			328	2		RA Preheat Diff.	-519	24.93						
Ret. Fan Heat		0	0	0		Additional Reheat	0	0.00						
Duct Heat Pkup		0	0	0		System Plenum Heat	0	0.00						
Underflr Sup Ht Pkup			0	0		Underflr Sup Ht Pkup	0	0.00						
Supply Air Leakage		0	0	0		Supply Air Leakage	0	0.00						
Grand Total ==>	13,577	0	16,087	100.00	12,347	Grand Total ==>	-1,776	100.00						

AIRFLOWS		
	Cooling	Heating
Diffuser	554	554
Terminal	554	554
Main Fan	554	554
Sec Fan	0	0
Nom Vent	30	0
AHU Vent	30	0
Infil	0	0
MinStop/Rh	0	0
Return	554	554
Exhaust	30	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	5.4	0.0
cfm/ft²	2.97	2.97
cfm/ton	413.13	
ft²/ton	139.03	
Btu/hr-ft²	86.31	0.00
No. People	6.0	32.2/1000 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	1.3	16.1	13.2	554	75.9	63.8	69.2	54.5	54.1	61.8
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	1.3	16.1								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	186		
Part	0		
Int Door	0		
ExFlr	0		
Roof	186	0	0
Wall	356	29	8
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	0.0	554	69.5	72.9
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 INGENOR MEXICO S.A. DE C.V.

CECIS OFICINA 1

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 6 / 14		Mo/Hr: 6 / 14		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 92 / 81 / 144		OADB: 92		OADB: 61			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	1,519	0	1,519	12	1,519	14	-163	9.73						
Glass Solar	2,438	0	2,438	19	2,438	23	0	0.00						
Glass/Door Cond	372	0	372	3	372	4	-240	14.32						
Wall Cond	1,597	0	1,597	13	1,597	15	-304	18.08						
Partition/Door	920	0	920	7	920	9	-648	38.59						
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 ==>	6,846	0	6,846	54	6,846	65	-1,355	80.72						
Internal Loads				Internal Loads										
Lights	805	0	805	6	805	8	0	0.00						
People	1,288	0	1,288	10	673	6	0	0.00						
Misc	2,283	0	2,283	18	2,283	22	0	0.00						
Sub Total ==>	4,375	0	4,375	35	3,760	35	0	0.00						
Ceiling Load	0	0	0	0	0	0	0	0.00						
Ventilation Load	0	0	1,106	9	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	-170	10.12						
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00						
Exhaust Heat	0	0	0	0	0	0	106	-6.30						
Sup. Fan Heat	0	0	282	2	0	0	-260	15.47						
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 ==>	11,221	0	12,610	100.00	10,606	100.00	-1,525	-1,679	100.00					

AIRFLOWS		
	Cooling	Heating
Diffuser	476	476
Terminal	476	476
Main Fan	476	476
Sec Fan	0	0
Nom Vent	15	0
AHU Vent	15	0
Infil	0	0
MinStop/Rh	0	0
Return	476	476
Exhaust	15	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	3.2	0.0
cfm/ft²	3.34	3.34
cfm/ton	452.77	
ft²/ton	135.44	
Btu/hr-ft²	88.60	0.00
No. People	3.0	21.1/1000 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	1.1	12.6	11.2	476	75.5	63.3	67.4	54.5	54.4	63.1
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	1.1	12.6								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	142		
Part	182		
Int Door	0		
ExFlr	0		
Roof	142	0	0
Wall	115	44	38
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	0.0	476	69.7	72.9
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 INGENOR MEXICO S.A. DE C.V.

CECIS OFICINA 2

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 6 / 14		Mo/Hr: 6 / 14		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 92 / 81 / 144		OADB: 92		OADB: 61			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	1,519	0	1,519	12	1,519	14	-163	9.73						
Glass Solar	2,438	0	2,438	19	2,438	23	0	0.00						
Glass/Door Cond	372	0	372	3	372	4	-240	14.32						
Wall Cond	1,597	0	1,597	13	1,597	15	-304	18.08						
Partition/Door	920	0	920	7	920	9	-648	38.59						
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 ==>	6,846	0	6,846	54	6,846	65	-1,355	80.72						
Internal Loads				Internal Loads										
Lights	805	0	805	6	805	8	0	0.00						
People	1,288	0	1,288	10	673	6	0	0.00						
Misc	2,283	0	2,283	18	2,283	22	0	0.00						
Sub Total ==>	4,375	0	4,375	35	3,760	35	0	0.00						
Ceiling Load	0	0	0	0	0	0	0	0.00						
Ventilation Load	0	0	1,106	9	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	-170	10.12						
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00						
Exhaust Heat	0	0	0	0	0	0	106	-6.30						
Sup. Fan Heat	0	0	282	2	0	0	-260	15.47						
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 ==>	11,221	0	12,610	100.00	10,606	100.00	-1,525	-1,679	100.00					

AIRFLOWS		
	Cooling	Heating
Diffuser	476	476
Terminal	476	476
Main Fan	476	476
Sec Fan	0	0
Nom Vent	15	0
AHU Vent	15	0
Infil	0	0
MinStop/Rh	0	0
Return	476	476
Exhaust	15	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	3.2	0.0
cfm/ft²	3.34	3.34
cfm/ton	452.77	
ft²/ton	135.44	
Btu/hr-ft²	88.60	0.00
No. People	3.0	21.1/1000 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	1.1	12.6	11.2	476	75.5	63.3	67.4	54.5	54.4	63.1
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	1.1	12.6								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	142		
Part	182		
Int Door	0		
ExFlr	0		
Roof	142	0	0
Wall	115	44	38
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	0.0	476	69.7	72.9
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 INGENOR MEXICO S.A. DE C.V.

CECIS SALA DE JUNTAS

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES		
Peaked at Time:		Mo/Hr: 6 / 13		Mo/Hr: 6 / 13		Mo/Hr: Heating Design							
Outside Air:		OADB/WB/HR: 91 / 81 / 143		OADB: 91		OADB: 61							
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total					
Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens						
Envelope Loads				Envelope Loads							AIRFLOWS		
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	4,340	0	4,340	12	4,340	Roof Cond	-508	9.86					
Glass Solar	8,390	0	8,390	22	8,390	Glass Solar	0	0.00					
Glass/Door Cond	1,034	0	1,034	3	1,034	Glass/Door Cond	-721	14.00					
Wall Cond	5,250	0	5,250	14	5,250	Wall Cond	-963	18.68					
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00					
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					
Sub Total ==>	19,014	0	19,014	51	19,014	Sub Total ==>	-2,192	42.55					
Internal Loads				Internal Loads									
Lights	2,472	0	2,472	7	2,472	Lights	0	0.00					
People	1,284	0	1,284	3	669	People	0	0.00					
Misc	12,602	0	12,602	34	12,602	Misc	0	0.00					
Sub Total ==>	16,359	0	16,359	44	15,744	Sub Total ==>	0	0.00					
Ceiling Load	0	0	0	0	0	Ceiling Load	0	0.00					
Ventilation Load	0	0	1,086	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	-2,806	54.47					
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	0	0.00					
Exhaust Heat	0	0	0	0	0	OA Preheat Diff.	106	-2.05					
Sup. Fan Heat	0	0	924	2	0	RA Preheat Diff.	-260	5.04					
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 ==>	35,372	0	37,382	100.00	34,757	Grand Total ==>	-4,998	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			°F	°F	gr/lb	°F	°F	gr/lb								ft²
Main Clg	3.1	37.4	35.9	1,559	75.2	62.8	65.7	54.5	54.4	63.3	Floor	443		Main Htg	0.0	1,559	69.9	72.9
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0						
Total	3.1	37.4									Roof	443	0	Humidif	0.0	0	0.0	0.0
											Wall	357	133	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	Total	0.0			

Room Checksums

By INGENOR MEXICO S.A. DE C.V.

DELEGACION CO

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES							
Peaked at Time:		Mo/Hr: 6 / 17		Mo/Hr: 6 / 17		Mo/Hr: Heating Design			Cooling		Heating	SADB	55.0	74.3				
Outside Air:		OADB/WB/HR: 91 / 81 / 144		OADB: 91		OADB: 61			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 <td colspan="1">76.3</td> <td colspan="1">70.0</td> <td colspan="1">Fn MtrTD</td> <td colspan="1">0.1</td> <td colspan="1">0.0</td>	76.3	70.0	Fn MtrTD	0.1	0.0				
Btu/h	Btu/h	Btu/h		Btu/h		Space Sens	Tot Sens		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	Cooling		Heating	Diffuser		1,510	1,510			
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Terminal		1,510	1,510	Main Fan		1,510	1,510		
Roof Cond	7,207	0	7,207	15	7,207	21	Roof Cond	-849	-849	9.94	Sec Fan		0	0	Nom Vent		125	0
Glass Solar	0	0	0	0	0	0	Glass Solar	0	0	0.00	AHU Vent		125	0	Infil		0	0
Glass/Door Cond	0	0	0	0	0	0	Glass/Door Cond	0	0	0.00	MinStop/Rh		0	0	Return		1,510	1,510
Wall Cond	13,857	0	13,857	28	13,857	41	Wall Cond	-3,085	-3,085	36.14	Exhaust		125	0	Rm Exh		0	0
Partition/Door	1,077	0	1,077	2	1,077	3	Partition/Door	-654	-654	7.66	Auxiliary		0	0	Leakage Dwn		0	0
Floor	0	0	0	0	0	0	Floor	0	0	0.00	Leakage Ups		0	0	No. People		25.0	33.8/1000 ft²
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>	22,141	0	22,141	45	22,141	66	<i>Sub Total ==></i>	-4,588	-4,588	53.75								
Internal Loads				Internal Loads														
Lights	4,510	0	4,510	9	4,510	13	Lights	0	0	0.00								
People	10,928	0	10,928	22	5,803	17	People	0	0	0.00								
Misc	1,205	0	1,205	2	1,205	4	Misc	0	0	0.00								
<i>Sub Total ==></i>	16,643	0	16,643	34	11,518	34	<i>Sub Total ==></i>	0	0	0.00								
Ceiling Load				Ceiling Load														
Ventilation Load	0	0	9,091	19	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	-2,665	-2,665	31.23								
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.	882	-10.34									
Sup. Fan Heat	0	895	895	2	0	0	RA Preheat Diff.	-2,164	25.35									
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									
<i>Grand Total ==></i>	38,783	0	48,769	100.00	33,658	100.00	<i>Grand Total ==></i>	-7,253	-8,535	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 °F	Lvg °F	
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F
Main Clg	4.1	48.8	36.8	1,510	76.3	64.4	71.5	54.5	53.7	60.2	Floor	740		Main Htg	0.0	1,510	69.2	74.3
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	183		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	4.1	48.8									Roof	740	0	Humidif	0.0	0	0.0	0.0
											Wall	720	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	Total	0.0			

Room Checksums

By INGENOR MEXICO S.A. DE C.V.

DELEGACION ET

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES					
Peaked at Time:		Mo/Hr: 7 / 16			Mo/Hr: 7 / 16		Mo/Hr: Heating Design			Mo/Hr: Heating Design			Cooling			Heating				
Outside Air:		OADB/WB/HR: 92 / 81 / 146			OADB: 92		OADB: 61			OADB: 61			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								
	82,798	0	82,798	21	82,798	28	-3,963	-3,963	2.77	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								
	61,035	0	61,035	16	61,035	20	-16,534	-16,534	11.57	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	0	0	0	0	0	0	0	0.00	0	0	0.00								
	143,833	0	143,833	37	143,833	48	-20,498	-20,498	14.34	0	0	0.00								
Internal Loads					Internal Loads					Internal Loads										
	55,389	13,847	69,236	18	55,389	18	0	0	0.00	0	0	0.00								
	52,456	0	52,456	13	27,856	9	0	0	0.00	0	0	0.00								
	73,930	0	73,930	19	73,930	25	0	0	0.00	0	0	0.00								
	181,774	13,847	195,621	50	157,174	52	0	0	0.00	0	0	0.00								
	0	0	0	0	0	0	0	0	0.00	0	0	0.00								
	0	0	45,743	12	0	0	0	0	0.00	0	0	0.00								
	0	0	0	0	0	0	0	0	0	0	0	0								
	0	0	0	0	0	0	-119,623	-119,623	83.69	0	0	0.00								
	0	0	0	0	0	0	0	0	0.00	0	0	0.00								
	0	-615	-615	0	0	0	0	0	0.00	4,234	-2.96	0.00								
	0	8,001	8,001	2	0	0	-7,043	-7,043	4.93	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	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								
	325,607	13,232	392,583	100.00	301,007	100.00	-140,121	-142,930	100.00											

AIRFLOWS

	Cooling	Heating
Diffuser	13,502	13,502
Terminal	13,502	13,502
Main Fan	13,502	13,502
Sec Fan	0	0
Nom Vent	600	0
AHU Vent	600	0
Infil	0	0
MinStop/Rh	0	0
Return	13,502	13,502
Exhaust	600	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	4.4	0.0
cfm/ft²	1.78	1.78
cfm/ton	412.71	
ft²/ton	231.23	
Btu/hr-ft²	51.90	0.00
No. People	120.0	15.9/1000 ft²

COOLING COIL SELECTION

	Total Capacity ton	Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR °F °F	gr/lb	Leave DB/WB/HR °F °F	gr/lb
Main Clg	32.7	392.6	333.8	13,502	76.6 63.9	68.6	54.5 54.2	62.4
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	32.7	392.6						

AREAS

	Gross Total	Glass ft² (%)
Floor	7,565	
Part	10,148	
Int Door	0	
ExFlr	0	
Roof	7,565	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	13,502	64.8	74.3
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 INGENOR MEXICO S.A. DE C.V.

DELEGACION OFIC DE

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 11 / 17			Mo/Hr: 11 / 17		Mo/Hr: Heating Design						Cooling	Heating			
Outside Air:		OADB/WB/HR: 91 / 81 / 145			OADB: 91		OADB: 61						SADB	55.0	74.3		
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	Return					
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA					
Envelope Loads					Envelope Loads										Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00				Fn BldTD	0.1	0.0			
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00				Fn Frict	0.4	0.0			
Roof Cond	2,611	0	2,611	12	2,611	14	Roof Cond	-380	-380	9.05							
Glass Solar	3,993	0	3,993	19	3,993	21	Glass Solar	0	0	0.00							
Glass/Door Cond	756	0	756	4	756	4	Glass/Door Cond	-481	-481	11.46							
Wall Cond	4,850	0	4,850	23	4,850	26	Wall Cond	-868	-868	20.69							
Partition/Door	1,143	0	1,143	5	1,143	6	Partition/Door	-678	-678	16.16							
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>	13,354	0	13,354	64	13,354	71	<i>Sub Total ==></i>	-2,407	-2,407	57.37							
Internal Loads					Internal Loads												
Lights	2,037	0	2,037	10	2,037	11	Lights	0	0	0.00							
People	1,314	0	1,314	6	699	4	People	0	0	0.00							
Misc	2,667	0	2,667	13	2,667	14	Misc	0	0	0.00							
<i>Sub Total ==></i>	6,019	0	6,019	29	5,404	29	<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	1,109	5	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	-1,635	-1,635	38.96							
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.	106	-2.52								
Sup. Fan Heat	0	0	499	2	0	0	RA Preheat Diff.	-260	6.19								
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 ==>	19,373	0	20,980	100.00	18,758	100.00	Grand Total ==>	-4,042	-4,196	100.00							

AIRFLOWS

	Cooling	Heating
Diffuser	841	841
Terminal	841	841
Main Fan	841	841
Sec Fan	0	0
Nom Vent	15	0
AHU Vent	15	0
Infil	0	0
MinStop/Rh	0	0
Return	841	841
Exhaust	15	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	1.8	0.0
cfm/ft²	2.54	2.54
cfm/ton	481.25	
ft²/ton	189.32	
Btu/hr-ft²	63.38	0.00
No. People	3.0	9.1/1000 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	1.8	21.0	19.5	841	75.3	63.0	66.4	54.5	54.4	63.3
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	1.8	21.0								

AREAS

	Gross Total	Glass	
		ft²	(%)
Floor	331		
Part	190		
Int Door	0		
ExFlr	0		
Roof	331	0	0
Wall	291	88	30
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	0.0	841	69.8	74.3
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 INGENOR MEXICO S.A. DE C.V.

DELEGACION OFICINA 1

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 6 / 17		Mo/Hr: 6 / 17		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Cooling	Heating	
Outside Air:		OADB/WB/HR: 91 / 81 / 144		OADB: 91		OADB: 91		OADB: 61		OADB: 61		SADB	55.0	74.3
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	1,375	0	1,375	12	1,375	14	Roof Cond	-162	7.17	Roof Cond	-162			
Glass Solar	1,589	0	1,589	14	1,589	16	Glass Solar	0	0.00	Glass Solar	0			
Glass/Door Cond	380	0	380	3	380	4	Glass/Door Cond	-240	10.65	Glass/Door Cond	-240			
Wall Cond	1,424	0	1,424	12	1,424	15	Wall Cond	-304	13.45	Wall Cond	-304			
Partition/Door	1,089	0	1,089	9	1,089	11	Partition/Door	-661	29.26	Partition/Door	-661			
Floor	0	0	0	0	0	0	Floor	0	0.00	Floor	0			
Adjacent Floor	0	0	0	0	0	0	Adjacent Floor	0	0.00	Adjacent Floor	0			
Infiltration	0	0	0	0	0	0	Infiltration	0	0.00	Infiltration	0			
<i>Sub Total ==></i>	5,856	0	5,856	50	5,856	60	<i>Sub Total ==></i>	-1,367	60.53	<i>Sub Total ==></i>	-1,367			
Internal Loads				Internal Loads				Internal Loads				AIRFLOWS		
Lights	861	0	861	7	861	9	Lights	0	0.00	Lights	0	Cooling	Heating	
People	1,312	0	1,312	11	697	7	People	0	0.00	People	0	438	438	
Misc	2,349	0	2,349	20	2,349	24	Misc	0	0.00	Misc	0	438	438	
<i>Sub Total ==></i>	4,522	0	4,522	39	3,907	40	<i>Sub Total ==></i>	0	0.00	<i>Sub Total ==></i>	0	0	0	
Ceiling Load	0	0	0	0	0	0	Ceiling Load	0	0.00	Ceiling Load	0	15	0	
Ventilation Load	0	0	1,091	9	0	0	Ventilation Load	0	0.00	Ventilation Load	0	15	0	
Adj Air Trans Heat	0	0	0	0	0	0	Adj Air Trans Heat	0	0	Adj Air Trans Heat	0	0	0	
Dehumid. Ov Sizing	0	0	0	0	0	0	Ov/Undr Sizing	-737	32.66	Ov/Undr Sizing	-737	0	0	
Exhaust Heat	0	0	0	0	0	0	Exhaust Heat	0	0.00	Exhaust Heat	0	0	0	
Sup. Fan Heat	0	0	260	2	0	0	OA Preheat Diff.	106	-4.69	OA Preheat Diff.	106	0	0	
Ret. Fan Heat	0	0	0	0	0	0	RA Preheat Diff.	-260	11.50	RA Preheat Diff.	-260	0	0.00	
Duct Heat Pkup	0	0	0	0	0	0	Additional Reheat	0	0.00	Additional Reheat	0	0	0.00	
Underflr Sup Ht Pkup	0	0	0	0	0	0	System Plenum Heat	0	0.00	System Plenum Heat	0	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	0.00	
Supply Air Leakage	0	0	0	0	0	0	Supply Air Leakage	0	0.00	Supply Air Leakage	0	0	0.00	
Grand Total ==>	10,379	0	11,729	100.00	9,764	100.00	Grand Total ==>	-2,104	100.00	Grand Total ==>	-2,258			

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	1.0	11.7	10.3	438	75.5	63.3	67.6	54.5	54.4	63.0	Floor	141	0.0	438	69.7	74.3	
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	185	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	11.7									Roof	141	0	0	0.0	0.0	
											Wall	115	44	38	0.0	0.0	
											Ext Door	0	0	0	0.0	0.0	
											Total	0.0	0.0	0.0	0.0	0.0	

Room Checksums

By INGENOR MEXICO S.A. DE C.V.

DELEGACION OFICINA 10

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 11 / 12		Mo/Hr: 11 / 12		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 89 / 80 / 138		OADB: 89		OADB: 61			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	0	0	0	0	0	
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
Roof Cond	1,245	0	1,245	10	1,245	12	-162	6.61	-162	-162	0	0	0	
Glass Solar	2,919	0	2,919	23	2,919	27	0	0.00	0	0	0	0	0	
Glass/Door Cond	288	0	288	2	288	3	-240	9.81	-240	-240	0	0	0	
Wall Cond	2,571	0	2,571	20	2,571	24	-304	12.39	-304	-304	0	0	0	
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
Floor	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
Sub Total ==>	7,022	0	7,022	56	7,022	66	-706	28.81	-706	-706	0	0	0	
Internal Loads				Internal Loads										
Lights	751	0	751	6	751	7	0	0.00	0	0	0	0	0	
People	1,270	0	1,270	10	655	6	0	0.00	0	0	0	0	0	
Misc	2,230	0	2,230	18	2,230	21	0	0.00	0	0	0	0	0	
Sub Total ==>	4,251	0	4,251	34	3,636	34	0	0.00	0	0	0	0	0	
Ceiling Load	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
Ventilation Load	0	0	1,009	8	0	0	0	0.00	0	0	0	0	0	
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	0	0	
Dehumid. Ov Sizing	0	0	0	0	0	0	-1,591	64.92	-1,591	-1,591	0	0	0	
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
Exhaust Heat	0	0	0	0	0	0	106	-4.32	106	106	0	0	0	
Sup. Fan Heat	0	0	283	2	0	0	-260	10.60	-260	-260	0	0	0	
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0	0	0	
Grand Total ==>	11,274	0	12,566	100.00	10,659	100.00	-2,297	100.00	-2,451	-2,451	0	0	0	

AIRFLOWS		
	Cooling	Heating
Diffuser	478	478
Terminal	478	478
Main Fan	478	478
Sec Fan	0	0
Nom Vent	15	0
AHU Vent	15	0
Infil	0	0
MinStop/Rh	0	0
Return	478	478
Exhaust	15	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	3.1	0.0
cfm/ft²	3.39	3.39
cfm/ton	456.57	
ft²/ton	134.70	
Btu/hr-ft²	89.09	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	12.6	11.2	478	75.4	63.2	67.3	54.5	54.4	63.1
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	1.1	12.6								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	141		
Part	0		
Int Door	0		
ExFlr	0		
Roof	141	0	0
Wall	115	44	38
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	0.0	478	69.7	74.3
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 INGENOR MEXICO S.A. DE C.V.

DELEGACION OFICINA 11

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 11 / 13		Mo/Hr: 11 / 13		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 91 / 80 / 137		OADB: 91		OADB: 61			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	75.5	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	1,311	0	1,311	10	1,311	12	-162	6.29						
Glass Solar	2,399	0	2,399	18	2,399	21	0	0.00						
Glass/Door Cond	335	0	335	3	335	3	-240	9.35						
Wall Cond	2,697	0	2,697	20	2,697	24	-304	11.80						
Partition/Door	802	0	802	6	802	7	-661	25.69						
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 ==>	7,543	0	7,543	57	7,543	67	-1,367	53.13						
Internal Loads				Internal Loads										
Lights	768	0	768	6	768	7	0	0.00						
People	1,277	0	1,277	10	662	6	0	0.00						
Misc	2,249	0	2,249	17	2,249	20	0	0.00						
Sub Total ==>	4,294	0	4,294	33	3,679	33	0	0.00						
Ceiling Load	0	0	0	0	0	0	0	0.00						
Ventilation Load	0	0	1,026	8	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	-1,052	40.89						
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00						
Exhaust Heat	0	0	0	0	0	0	106	-4.12						
Sup. Fan Heat	0	0	298	2	0	0	-260	10.10						
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 ==>	11,837	0	13,161	100.00	11,222	100.00	-2,418	100.00						

AIRFLOWS		
	Cooling	Heating
Diffuser	503	503
Terminal	503	503
Main Fan	503	503
Sec Fan	0	0
Nom Vent	15	0
AHU Vent	15	0
Infil	0	0
MinStop/Rh	0	0
Return	503	503
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	3.57	3.57
cfm/ton	458.98	
ft²/ton	128.60	
Btu/hr-ft²	93.31	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	13.2	11.8	503	75.5	63.2	67.1	54.5	54.4	63.2
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.1	13.2								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	141		
Part	185		
Int Door	0		
ExFlr	0		
Roof	141	0	0
Wall	115	44	38
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	0.0	503	69.7	74.3
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 INGENOR MEXICO S.A. DE C.V.

DELEGACION OFICINA 12

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 11 / 13		Mo/Hr: 11 / 13		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 91 / 80 / 137		OADB: 91		OADB: 61			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		75.0	75.5	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	1,311	0	1,311	10	1,311	12	-162	6.29						
Glass Solar	2,399	0	2,399	18	2,399	21	0	0.00						
Glass/Door Cond	335	0	335	3	335	3	-240	9.35						
Wall Cond	2,697	0	2,697	20	2,697	24	-304	11.80						
Partition/Door	802	0	802	6	802	7	-661	25.69						
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 ==>	7,543	0	7,543	57	7,543	67	-1,367	53.13						
Internal Loads				Internal Loads										
Lights	768	0	768	6	768	7	0	0.00						
People	1,277	0	1,277	10	662	6	0	0.00						
Misc	2,249	0	2,249	17	2,249	20	0	0.00						
Sub Total ==>	4,294	0	4,294	33	3,679	33	0	0.00						
Ceiling Load	0	0	0	0	0	0	0	0.00						
Ventilation Load	0	0	1,026	8	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	-1,052	40.89						
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00						
Exhaust Heat	0	0	0	0	0	0	106	-4.12						
Sup. Fan Heat	0	0	298	2	0	0	-260	10.10						
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 ==>	11,837	0	13,161	100.00	11,222	100.00	-2,418	-2,572	100.00					

AIRFLOWS		
	Cooling	Heating
Diffuser	503	503
Terminal	503	503
Main Fan	503	503
Sec Fan	0	0
Nom Vent	15	0
AHU Vent	15	0
Infil	0	0
MinStop/Rh	0	0
Return	503	503
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	3.57	3.57
cfm/ton	458.98	
ft²/ton	128.60	
Btu/hr-ft²	93.31	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	13.2	11.8	503	75.5	63.2	67.1	54.5	54.4	63.2
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.1	13.2								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	141		
Part	185		
Int Door	0		
ExFlr	0		
Roof	141	0	0
Wall	115	44	38
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	0.0	503	69.7	74.3
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 INGENOR MEXICO S.A. DE C.V.

DELEGACION OFICINA 2

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 6 / 17		Mo/Hr: 6 / 17		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 91 / 81 / 144		OADB: 91		OADB: 61			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	1,375	0	1,375	12	1,375	14	-162	7.17						
Glass Solar	1,589	0	1,589	14	1,589	16	0	0.00						
Glass/Door Cond	380	0	380	3	380	4	-240	10.65						
Wall Cond	1,424	0	1,424	12	1,424	15	-304	13.45						
Partition/Door	1,089	0	1,089	9	1,089	11	-661	29.26						
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 ==>	5,856	0	5,856	50	5,856	60	-1,367	60.53						
Internal Loads				Internal Loads										
Lights	861	0	861	7	861	9	0	0.00						
People	1,312	0	1,312	11	697	7	0	0.00						
Misc	2,349	0	2,349	20	2,349	24	0	0.00						
Sub Total ==>	4,522	0	4,522	39	3,907	40	0	0.00						
Ceiling Load	0	0	0	0	0	0	0	0.00						
Ventilation Load	0	0	1,091	9	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	-737	32.66						
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00						
Exhaust Heat	0	0	0	0	0	0	106	-4.69						
Sup. Fan Heat	0	0	260	2	0	0	-260	11.50						
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 ==>	10,379	0	11,729	100.00	9,764	100.00	-2,104	100.00						

AIRFLOWS		
	Cooling	Heating
Diffuser	438	438
Terminal	438	438
Main Fan	438	438
Sec Fan	0	0
Nom Vent	15	0
AHU Vent	15	0
Infil	0	0
MinStop/Rh	0	0
Return	438	438
Exhaust	15	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	3.4	0.0
cfm/ft²	3.11	3.11
cfm/ton	448.08	
ft²/ton	144.31	
Btu/hr-ft²	83.16	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	1.0	11.7	438	75.5	63.3	67.6	54.5	54.4	63.0
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	1.0	11.7							

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	141		
Part	185		
Int Door	0		
ExFlr	0		
Roof	141	0	0
Wall	115	44	38
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	0.0	438	69.7	74.3
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 INGENOR MEXICO S.A. DE C.V.

DELEGACION OFICINA 3

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 6 / 17		Mo/Hr: 6 / 17		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 91 / 81 / 144		OADB: 91		OADB: 61			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	Skylite Solar	0	0.00						
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00						
Roof Cond	1,393	0	1,393	13	1,393	Roof Cond	-162	7.86						
Glass Solar	1,682	0	1,682	16	1,682	Glass Solar	0	0.00						
Glass/Door Cond	383	0	383	4	383	Glass/Door Cond	-240	11.68						
Wall Cond	1,427	0	1,427	13	1,427	Wall Cond	-304	14.75						
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00						
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						
Sub Total ==>	4,884	0	4,884	45	4,884	Sub Total ==>	-706	34.30						
Internal Loads				Internal Loads										
Lights	880	0	880	8	880	Lights	0	0.00						
People	1,319	0	1,319	12	704	People	0	0.00						
Misc	2,370	0	2,370	22	2,370	Misc	0	0.00						
Sub Total ==>	4,569	0	4,569	42	3,954	Sub Total ==>	0	0.00						
Ceiling Load	0	0	0	0	0	Ceiling Load	0	0.00						
Ventilation Load	0	0	1,091	10	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	-1,199	58.23						
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	0	0.00						
Exhaust Heat	0	0	0	0	0	OA Preheat Diff.	106	-5.14						
Sup. Fan Heat	0	0	235	2	0	RA Preheat Diff.	-260	12.62						
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 ==>	9,454	0	10,779	100.00	8,839	Grand Total ==>	-1,905	2,058	100.00					

AIRFLOWS		
	Cooling	Heating
Diffuser	396	396
Terminal	396	396
Main Fan	396	396
Sec Fan	0	0
Nom Vent	15	0
AHU Vent	15	0
Infil	0	0
MinStop/Rh	0	0
Return	396	396
Exhaust	15	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	3.8	0.0
cfm/ft²	2.81	2.81
cfm/ton	441.36	
ft²/ton	157.02	
Btu/hr-ft²	76.42	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	0.9	10.8	396	75.6	63.4	67.9	54.5	54.3	62.8
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	0.9	10.8							

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	141		
Part	0		
Int Door	0		
ExFlr	0		
Roof	141	0	0
Wall	115	44	38
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	0.0	396	69.7	74.3
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 INGENOR MEXICO S.A. DE C.V.

DELEGACION OFICINA 4

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES		
Peaked at Time:		Mo/Hr: 6 / 17		Mo/Hr: 6 / 17		Mo/Hr: Heating Design			Cooling		Heating		
Outside Air:		OADB/WB/HR: 91 / 81 / 144		OADB: 91		OADB: 61			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	1,393	0	1,393	13	1,393	16	-162	7.86					
Glass Solar	1,682	0	1,682	16	1,682	19	0	0.00					
Glass/Door Cond	383	0	383	4	383	4	-240	11.68					
Wall Cond	1,427	0	1,427	13	1,427	16	-304	14.75					
Partition/Door	0	0	0	0	0	0	0	0.00					
Floor	0	0	0	0	0	0	0	0.00					
Adjacent Floor	0	0	0	0	0	0	0	0.00					
Infiltration	0	0	0	0	0	0	0	0.00					
<i>Sub Total ==></i>	4,884	0	4,884	45	4,884	55	-706	34.30					
Internal Loads				Internal Loads									
Lights	880	0	880	8	880	10	0	0.00					
People	1,319	0	1,319	12	704	8	0	0.00					
Misc	2,370	0	2,370	22	2,370	27	0	0.00					
<i>Sub Total ==></i>	4,569	0	4,569	42	3,954	45	0	0.00					
Ceiling Load	0	0	0	0	0	0	0	0.00					
Ventilation Load	0	0	1,091	10	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	-1,199	58.23					
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00					
Exhaust Heat	0	0	0	0	0	0	106	-5.14					
Sup. Fan Heat	0	0	235	2	0	0	-260	12.62					
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 ==>	9,454	0	10,779	100.00	8,839	100.00	-1,905	200.00					

AIRFLOWS		
	Cooling	Heating
Diffuser	396	396
Terminal	396	396
Main Fan	396	396
Sec Fan	0	0
Nom Vent	15	0
AHU Vent	15	0
Infil	0	0
MinStop/Rh	0	0
Return	396	396
Exhaust	15	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	3.8	0.0
cfm/ft²	2.81	2.81
cfm/ton	441.36	
ft²/ton	157.02	
Btu/hr-ft²	76.42	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	0.9	10.8	9.3	396	75.6	63.4	67.9	54.5	54.3	62.8
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.9	10.8								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	141		
Part	0		
Int Door	0		
ExFlr	0		
Roof	141	0	0
Wall	115	44	38
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	0.0	396	69.7	74.3
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 INGENOR MEXICO S.A. DE C.V.

DELEGACION OFICINA 5

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 6 / 17		Mo/Hr: 6 / 17		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 91 / 81 / 144		OADB: 91		OADB: 61			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	Skylite Solar	0	0.00						
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00						
Roof Cond	1,393	0	1,393	13	1,393	Roof Cond	-162	7.86						
Glass Solar	1,682	0	1,682	16	1,682	Glass Solar	0	0.00						
Glass/Door Cond	383	0	383	4	383	Glass/Door Cond	-240	11.68						
Wall Cond	1,427	0	1,427	13	1,427	Wall Cond	-304	14.75						
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00						
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						
Sub Total ==>	4,884	0	4,884	45	4,884	Sub Total ==>	-706	34.30						
Internal Loads				Internal Loads										
Lights	880	0	880	8	880	Lights	0	0.00						
People	1,319	0	1,319	12	704	People	0	0.00						
Misc	2,370	0	2,370	22	2,370	Misc	0	0.00						
Sub Total ==>	4,569	0	4,569	42	3,954	Sub Total ==>	0	0.00						
Ceiling Load	0	0	0	0	0	Ceiling Load	0	0.00						
Ventilation Load	0	0	1,091	10	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	-1,199	58.23						
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	0	0.00						
Exhaust Heat	0	0	0	0	0	OA Preheat Diff.	106	-5.14						
Sup. Fan Heat	0	0	235	2	0	RA Preheat Diff.	-260	12.62						
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 ==>	9,454	0	10,779	100.00	8,839	Grand Total ==>	-1,905	2,058	100.00					

AIRFLOWS		
	Cooling	Heating
Diffuser	396	396
Terminal	396	396
Main Fan	396	396
Sec Fan	0	0
Nom Vent	15	0
AHU Vent	15	0
Infil	0	0
MinStop/Rh	0	0
Return	396	396
Exhaust	15	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	3.8	0.0
cfm/ft²	2.81	2.81
cfm/ton	441.36	
ft²/ton	157.02	
Btu/hr-ft²	76.42	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	0.9	10.8	396	75.6	63.4	67.9	54.5	54.3	62.8
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	0.9	10.8							

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	141		
Part	0		
Int Door	0		
ExFlr	0		
Roof	141	0	0
Wall	115	44	38
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	0.0	396	69.7	74.3
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 INGENOR MEXICO S.A. DE C.V.

DELEGACION OFICINA 6

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES					
Peaked at Time:		Mo/Hr: 6 / 17		Mo/Hr: 6 / 17		Mo/Hr: Heating Design			Cooling		Heating	SADB	55.0	74.3		
Outside Air:		OADB/WB/HR: 91 / 81 / 144		OADB: 91		OADB: 61			Ra Plenum		75.0	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	Return	75.0	70.0	Ret/OA	75.6	70.0		
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Tot Sens		Fn MtrTD	0.1	0.0	Fn BldTD	0.1	0.0		
Envelope Loads				Envelope Loads							AIRFLOWS					
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Cooling		Heating		Diffuser		396	396
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Terminal		396		Main Fan		396	396
Roof Cond	1,393	0	1,393	13	16	Roof Cond	-162	7.86	Sec Fan		0		Nom Vent		15	0
Glass Solar	1,682	0	1,682	16	19	Glass Solar	0	0.00	AHU Vent		15		Infil		0	0
Glass/Door Cond	383	0	383	4	4	Glass/Door Cond	-240	11.68	MinStop/Rh		0		Return		396	396
Wall Cond	1,427	0	1,427	13	16	Wall Cond	-304	14.75	Exhaust		15		Rm Exh		0	0
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00	Auxiliary		0		Leakage Dwn		0	0
Floor	0	0	0	0	0	Floor	0	0.00	Leakage Ups		0		No. People		3.0	21.3/1000 ft²
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00								
Infiltration	0	0	0	0	0	Infiltration	0	0.00								
Sub Total ==>	4,884	0	4,884	45	55	Sub Total ==>	-706	34.30								
Internal Loads				Internal Loads												
Lights	880	0	880	8	10	Lights	0	0.00								
People	1,319	0	1,319	12	8	People	0	0.00								
Misc	2,370	0	2,370	22	27	Misc	0	0.00								
Sub Total ==>	4,569	0	4,569	42	45	Sub Total ==>	0	0.00								
Ceiling Load				Ceiling Load												
Ventilation Load	0	0	1,091	10	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	-1,199	58.23								
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	0	0.00								
Exhaust Heat	0	0	0	0	0	OA Preheat Diff.	106	-5.14								
Sup. Fan Heat	0	235	235	2	2	RA Preheat Diff.	-260	12.62								
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 ==>	9,454	0	10,779	100.00	8,839	Grand Total ==>	-1,905	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	0.9	10.8	9.3	396	75.6	63.4	67.9	54.5	54.3	62.8	Floor	141		Main Htg	0.0	396	69.7	74.3
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0						
Total	0.9	10.8									Roof	141	0	Humidif	0.0	0	0.0	0.0
											Wall	115	44	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	Total	0.0			

Room Checksums

By INGENOR MEXICO S.A. DE C.V.

DELEGACION OFICINA 7

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 6 / 17		Mo/Hr: 6 / 17		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 91 / 81 / 144		OADB: 91		OADB: 61			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	0.1	0.4	
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		70.0	70.0	0.0	0.0	0.0	
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	1,375	0	1,375	12	1,375	Roof Cond	-162	7.17						
Glass Solar	1,589	0	1,589	14	1,589	Glass Solar	0	0.00						
Glass/Door Cond	380	0	380	3	380	Glass/Door Cond	-240	10.65						
Wall Cond	1,424	0	1,424	12	1,424	Wall Cond	-304	13.45						
Partition/Door	1,089	0	1,089	9	1,089	Partition/Door	-661	29.26						
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>	5,856	0	5,856	50	5,856	<i>Sub Total ==></i>	-1,367	60.53						
Internal Loads				Internal Loads										
Lights	861	0	861	7	861	Lights	0	0.00						
People	1,312	0	1,312	11	697	People	0	0.00						
Misc	2,349	0	2,349	20	2,349	Misc	0	0.00						
<i>Sub Total ==></i>	4,522	0	4,522	39	3,907	<i>Sub Total ==></i>	0	0.00						
Ceiling Load	0	0	0	0	0	Ceiling Load	0	0.00						
Ventilation Load	0	0	1,091	9	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	-737	32.66						
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	0	0.00						
Exhaust Heat	0	0	0	0	0	OA Preheat Diff.	106	-4.69						
Sup. Fan Heat	0	0	260	2	0	RA Preheat Diff.	-260	11.50						
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 ==>	10,379	0	11,729	100.00	9,764	Grand Total ==>	-2,104	100.00						

AIRFLOWS		
	Cooling	Heating
Diffuser	438	438
Terminal	438	438
Main Fan	438	438
Sec Fan	0	0
Nom Vent	15	0
AHU Vent	15	0
Infil	0	0
MinStop/Rh	0	0
Return	438	438
Exhaust	15	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	3.4	0.0
cfm/ft²	3.11	3.11
cfm/ton	448.08	
ft²/ton	144.31	
Btu/hr-ft²	83.16	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	1.0	11.7	438	75.5	63.3	67.6	54.5	54.4	63.0	
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	1.0	11.7								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	141		
Part	185		
Int Door	0		
ExFlr	0		
Roof	141	0	0
Wall	115	44	38
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	0.0	438	69.7	74.3
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 INGENOR MEXICO S.A. DE C.V.

DELEGACION OFICINA 8

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 11 / 13		Mo/Hr: 11 / 13		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 91 / 80 / 137		OADB: 91		OADB: 61			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	1,307	0	1,307	9	1,307	11	-162	5.98						
Glass Solar	2,275	0	2,275	16	2,275	19	0	0.00						
Glass/Door Cond	335	0	335	2	335	3	-240	8.88						
Wall Cond	2,688	0	2,688	19	2,688	23	-304	11.21						
Partition/Door	1,607	0	1,607	12	1,607	14	-1,317	48.63						
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 ==>	8,213	0	8,213	59	8,213	69	-2,023	74.69						
Internal Loads				Internal Loads										
Lights	753	0	753	5	753	6	0	0.00						
People	1,271	0	1,271	9	656	6	0	0.00						
Misc	2,233	0	2,233	16	2,233	19	0	0.00						
Sub Total ==>	4,257	0	4,257	31	3,642	31	0	0.00						
Ceiling Load	0	0	0	0	0	0	0	0.00						
Ventilation Load	0	0	1,026	7	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	-532	19.63						
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00						
Exhaust Heat	0	0	0	0	0	0	106	-3.91						
Sup. Fan Heat	0	0	315	2	0	0	-260	9.59						
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 ==>	12,469	0	13,810	100.00	11,854	100.00	-2,555	-2,708	100.00					

AIRFLOWS		
	Cooling	Heating
Diffuser	532	532
Terminal	532	532
Main Fan	532	532
Sec Fan	0	0
Nom Vent	15	0
AHU Vent	15	0
Infil	0	0
MinStop/Rh	0	0
Return	532	532
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	3.77	3.77
cfm/ton	462.05	
ft²/ton	122.56	
Btu/hr-ft²	97.91	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	1.2	13.8	12.4	532	75.5	63.1	67.0	54.5	54.4	63.3
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	13.8								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	141		
Part	369		
Int Door	0		
ExFlr	0		
Roof	141	0	0
Wall	115	44	38
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	0.0	532	69.7	74.3
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 INGENOR MEXICO S.A. DE C.V.

DELEGACION OFICINA 9

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 11 / 13		Mo/Hr: 11 / 13		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 91 / 80 / 137		OADB: 91		OADB: 61			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	1,311	0	1,311	10	1,311	12	-162	6.29						
Glass Solar	2,399	0	2,399	18	2,399	21	0	0.00						
Glass/Door Cond	335	0	335	3	335	3	-240	9.35						
Wall Cond	2,697	0	2,697	20	2,697	24	-304	11.80						
Partition/Door	802	0	802	6	802	7	-661	25.69						
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 ==>	7,543	0	7,543	57	7,543	67	-1,367	53.13						
Internal Loads				Internal Loads										
Lights	768	0	768	6	768	7	0	0.00						
People	1,277	0	1,277	10	662	6	0	0.00						
Misc	2,249	0	2,249	17	2,249	20	0	0.00						
Sub Total ==>	4,294	0	4,294	33	3,679	33	0	0.00						
Ceiling Load	0	0	0	0	0	0	0	0.00						
Ventilation Load	0	0	1,026	8	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	-1,052	40.89						
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00						
Exhaust Heat	0	0	0	0	0	0	106	-4.12						
Sup. Fan Heat	0	0	298	2	0	0	-260	10.10						
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 ==>	11,837	0	13,161	100.00	11,222	100.00	-2,418	-2,572	100.00					

AIRFLOWS		
	Cooling	Heating
Diffuser	503	503
Terminal	503	503
Main Fan	503	503
Sec Fan	0	0
Nom Vent	15	0
AHU Vent	15	0
Infil	0	0
MinStop/Rh	0	0
Return	503	503
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	3.57	3.57
cfm/ton	458.98	
ft²/ton	128.60	
Btu/hr-ft²	93.31	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	13.2	11.8	503	75.5	63.2	67.1	54.5	54.4	63.2
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.1	13.2								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	141		
Part	185		
Int Door	0		
ExFlr	0		
Roof	141	0	0
Wall	115	44	38
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	0.0	503	69.7	74.3
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 INGENOR MEXICO S.A. DE C.V.

DELEGACION SE

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 7 / 15		Mo/Hr: 7 / 16		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 93 / 82 / 148		OADB: 92		OADB: 61			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	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	8,050	0	8,050	25	7,870	34	Roof Cond	-374	-374	3.41				
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	1,084	0	1,084	3	1,140	5	Partition/Door	-308	-308	2.81				
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 ==>	9,134	0	9,134	29	9,010	39	Sub Total ==>	-682	-682	6.21				
Internal Loads				Internal Loads										
Lights	5,346	1,337	6,683	21	5,456	24	Lights	0	0	0.00				
People	5,275	0	5,275	17	2,842	12	People	0	0	0.00				
Misc	5,612	0	5,612	18	5,659	25	Misc	0	0	0.00				
Sub Total ==>	16,233	1,337	17,569	55	13,957	61	Sub Total ==>	0	0	0.00				
Ceiling Load	0	0	0	0	0	0	Ceiling Load	0	0	0.00				
Ventilation Load	0	0	4,685	15	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	-10,010	-10,010	91.23				
Ov/Undr Sizing	0	0	0	0	0	0	Exhaust Heat	0	0	0.00				
Exhaust Heat	0	-78	-78	0	0	0	OA Preheat Diff.	423	423	-3.86				
Sup. Fan Heat	0	0	611	2	0	0	RA Preheat Diff.	-704	-704	6.42				
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 ==>	25,367	1,259	31,922	100.00	22,967	100.00	Grand Total ==>	-10,691	-10,972	100.00				

AIRFLOWS		
	Cooling	Heating
Diffuser	1,030	1,030
Terminal	1,030	1,030
Main Fan	1,030	1,030
Sec Fan	0	0
Nom Vent	60	0
AHU Vent	60	0
Infil	0	0
MinStop/Rh	0	0
Return	1,030	1,030
Exhaust	60	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	5.8	0.0
cfm/ft²	1.44	1.44
cfm/ton	387.27	
ft²/ton	268.22	
Btu/hr-ft²	44.74	0.00
No. People	12.0	16.8/1000 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	2.7	31.9	26.0	1,030	77.1	64.3	69.8	54.5	54.0	61.7
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	2.7	31.9								

AREAS			
	Gross Total	Glass ft²	(%)
Floor	714		
Part	189		
Int Door	0		
ExFlr	0		
Roof	714	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	1,030	64.8	74.3
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 INGENOR MEXICO S.A. DE C.V.

DELEGACION SJ-1

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES		
Peaked at Time:		Mo/Hr: 6 / 17		Mo/Hr: 6 / 17		Mo/Hr: Heating Design			Cooling		Heating		
Outside Air:		OADB/WB/HR: 91 / 81 / 144		OADB: 91		OADB: 61			SADB	55.0	74.3		
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	75.7	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	Cooling		Heating		
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Diffuser	892	892		
Roof Cond	2,858	0	2,858	11	2,858	14	Roof Cond	-332	7.08	Terminal	892	892	
Glass Solar	3,365	0	3,365	13	3,365	17	Glass Solar	0	0.00	Main Fan	892	892	
Glass/Door Cond	766	0	766	3	766	4	Glass/Door Cond	-481	10.25	Sec Fan	0	0	
Wall Cond	2,975	0	2,975	12	2,975	15	Wall Cond	-633	13.49	Nom Vent	40	0	
Partition/Door	0	0	0	0	0	0	Partition/Door	0	0.00	AHU Vent	40	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	892	892	
Sub Total ==>	9,964	0	9,964	40	9,964	50	Sub Total ==>	-1,446	30.81	Exhaust	40	0	
Internal Loads				Internal Loads							Rm Exh	0	0
Lights	1,807	0	1,807	7	1,807	9	Lights	0	0.00	Auxiliary	0	0	
People	3,517	0	3,517	14	1,877	9	People	0	0.00	Leakage Dwn	0	0	
Misc	6,232	0	6,232	25	6,232	31	Misc	0	0.00	Leakage Ups	0	0	
Sub Total ==>	11,556	0	11,556	46	9,916	50	Sub Total ==>	0	0.00	ENGINEERING CKS			
Ceiling Load				Ceiling Load							% OA	4.5	0.0
Ventilation Load	0	0	2,909	12	0	0	Ventilation Load	0	0.00	cfm/ft²	3.08	3.08	
Adj Air Trans Heat	0	0	0	0	0	0	Adj Air Trans Heat	0	0	cfm/ton	428.76		
Dehumid. Ov Sizing	0	0	0	0	0	0	Ov/Undr Sizing	-2,838	60.45	ft²/ton	139.21		
Ov/Undr Sizing	0	0	0	0	0	0	Exhaust Heat	0	0.00	Btu/hr-ft²	86.20	0.00	
Exhaust Heat	0	0	0	0	0	0	OA Preheat Diff.	282	-6.01				
Sup. Fan Heat	0	528	2	2	2	2	RA Preheat Diff.	-693	14.75				
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 ==>	21,520	0	24,957	100.00	19,880	100.00	Grand Total ==>	-4,284	-4,694	No. People	8.0	27.6/1000 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			°F	°F	gr/lb	°F	°F	gr/lb					ft²	(%)	MBh	cfm
Main Clg	2.1	25.0	21.1	892	75.7	63.6	68.5	54.5	54.2	62.4	Floor	290		Main Htg	0.0	892	69.6	74.3
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0						
Total	2.1	25.0									Roof	290	0	Humidif	0.0	0	0.0	0.0
											Wall	236	88	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	Total	0.0			

Room Checksums

By INGENOR MEXICO S.A. DE C.V.

DELEGACION SJ-2

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 11 / 12		Mo/Hr: 11 / 12		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 89 / 80 / 138		OADB: 89		OADB: 61			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		Space Sens	Tot Sens		75.0	75.5	0.1	0.1	0.4	
						Btu/h	Btu/h		75.0	70.0	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	2,555	0	2,555	9	2,555	11	-332	6.07						
Glass Solar	5,837	0	5,837	21	5,837	25	0	0.00						
Glass/Door Cond	576	0	576	2	576	2	-481	8.79						
Wall Cond	5,361	0	5,361	19	5,361	23	-633	11.57						
Partition/Door	0	0	0	0	0	0	0	0.00						
Floor	0	0	0	0	0	0	0	0.00						
Adjacent Floor	0	0	0	0	0	0	0	0.00						
Infiltration	0	0	0	0	0	0	0	0.00						
Sub Total ==>	14,328	0	14,328	50	14,328	61	-1,446	26.44						
Internal Loads				Internal Loads										
Lights	1,542	0	1,542	5	1,542	7	0	0.00						
People	3,387	0	3,387	12	1,747	7	0	0.00						
Misc	5,864	0	5,864	21	5,864	25	0	0.00						
Sub Total ==>	10,794	0	10,794	38	9,154	39	0	0.00						
Ceiling Load	0	0	0	0	0	0	0	0.00						
Ventilation Load	0	0	2,691	9	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	-3,614	66.06						
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00						
Exhaust Heat	0	0	0	0	0	0	282	-5.16						
Sup. Fan Heat	0	0	624	2	0	0	-693	12.66						
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 ==>	25,122	0	28,437	100.00	23,482	100.00	-5,060	-5,470	100.00					

AIRFLOWS		
	Cooling	Heating
Diffuser	1,053	1,053
Terminal	1,053	1,053
Main Fan	1,053	1,053
Sec Fan	0	0
Nom Vent	40	0
AHU Vent	40	0
Infil	0	0
MinStop/Rh	0	0
Return	1,053	1,053
Exhaust	40	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	3.8	0.0
cfm/ft²	3.64	3.64
cfm/ton	444.48	
ft²/ton	122.18	
Btu/hr-ft²	98.22	0.00
No. People	8.0	27.6/1000 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	2.4	28.4	24.7	1,053	75.5	63.3	67.7	54.5	54.3	62.8
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	2.4	28.4								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	290		
Part	0		
Int Door	0		
ExFlr	0		
Roof	290	0	0
Wall	236	88	37
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	0.0	1,053	69.7	74.3
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 INGENOR MEXICO S.A. DE C.V.

DELEGACION SJ-3

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES					
Peaked at Time:		Mo/Hr: 11 / 12		Mo/Hr: 11 / 12		Mo/Hr: Heating Design			Cooling		Heating	SADB	55.0	74.3		
Outside Air:		OADB/WB/HR: 89 / 80 / 138		OADB: 89		OADB: 61			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		75.6	0.1	0.0	0.4				
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		443		443			
Roof Cond	1,210	0	1,210	10	1,210	Roof Cond	-157	6.74	Terminal		443		443			
Glass Solar	2,919	0	2,919	24	2,919	Glass Solar	0	0.00	Main Fan		443		443			
Glass/Door Cond	288	0	288	2	288	Glass/Door Cond	-240	10.30	Sec Fan		0		0			
Wall Cond	2,571	0	2,571	21	2,571	Wall Cond	-304	13.00	Nom Vent		20		0			
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00	AHU Vent		20		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		443		443			
Sub Total ==>	6,987	0	6,987	57	6,987	Sub Total ==>	-701	30.03	Exhaust		20		0			
Internal Loads				Internal Loads							Rm Exh		0		0	
Lights	731	0	731	6	731	Lights	0	0.00	Auxiliary		0		0			
People	1,693	0	1,693	14	873	People	0	0.00	Leakage Dwn		0		0			
Misc	1,295	0	1,295	11	1,295	Misc	0	0.00	Leakage Ups		0		0			
Sub Total ==>	3,719	0	3,719	30	2,899	Sub Total ==>	0	0.00								
Ceiling Load				Ceiling Load							ENGINEERING CKS					
Ventilation Load	0	0	1,345	11	0	Ventilation Load	0	0.00	Cooling		Heating					
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0	% OA		4.5		0.0			
Dehumid. Ov Sizing	0	0	0	0	0	Ov/Undr Sizing	-1,429	61.19	cfm/ft²		3.23		3.23			
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	0	0.00	cfm/ton		432.14					
Exhaust Heat	0	0	0	0	0	OA Preheat Diff.	141	-6.04	ft²/ton		133.61					
Sup. Fan Heat	0	0	263	2	0	RA Preheat Diff.	-346	14.82	Btu/hr-ft²		89.81		0.00			
Ret. Fan Heat	0	0	0	0	0	Additional Reheat	0	0.00	No. People		4.0		29.2/1000 ft²			
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 ==>	10,707	0	12,315	100.00	9,887	Grand Total ==>	-2,131	-2,336	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			°F	°F	gr/lb	°F	°F	gr/lb					ft²	(%)	MBh	cfm
Main Clg	1.0	12.3	10.5	443	75.6	63.5	68.3	54.5	54.2	62.4	Floor	137		Main Htg	0.0	443	69.6	74.3
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0						
Total	1.0	12.3									Roof	137	0	Humidif	0.0	0	0.0	0.0
											Wall	115	44	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	Total	0.0			

Room Checksums

By INGENOR MEXICO S.A. DE C.V.

DELEGACION SJ-4

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 11 / 12		Mo/Hr: 11 / 12		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Mo/Hr: Heating Design		Cooling	Heating	
Outside Air:		OADB/WB/HR: 89 / 80 / 138		OADB: 89		OADB: 89		OADB: 61		OADB: 61		SADB	55.0	74.3
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	1,210	0	1,210	10	1,210	Roof Cond	-157	6.74	Roof Cond	-157	6.74	AIRFLOWS		
Glass Solar	2,919	0	2,919	24	2,919	Glass Solar	0	0.00	Glass Solar	0	0.00	Diffuser	443	443
Glass/Door Cond	288	0	288	2	288	Glass/Door Cond	-240	10.30	Glass/Door Cond	-240	10.30	Terminal	443	443
Wall Cond	2,571	0	2,571	21	2,571	Wall Cond	-304	13.00	Wall Cond	-304	13.00	Main Fan	443	443
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00	Partition/Door	0	0.00	Sec Fan	0	0
Floor	0	0	0	0	0	Floor	0	0.00	Floor	0	0.00	Nom Vent	20	0
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	Adjacent Floor	0	0.00	AHU Vent	20	0
Infiltration	0	0	0	0	0	Infiltration	0	0.00	Infiltration	0	0.00	Infil	0	0
Sub Total ==>	6,987	0	6,987	57	6,987	Sub Total ==>	-701	30.03	Sub Total ==>	-701	30.03	MinStop/Rh	0	0
Internal Loads				Internal Loads				Internal Loads				Return	443	443
Lights	731	0	731	6	731	Lights	0	0.00	Lights	0	0.00	Exhaust	20	0
People	1,693	0	1,693	14	873	People	0	0.00	People	0	0.00	Rm Exh	0	0
Misc	1,295	0	1,295	11	1,295	Misc	0	0.00	Misc	0	0.00	Auxiliary	0	0
Sub Total ==>	3,719	0	3,719	30	2,899	Sub Total ==>	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	1,345	11	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	4.5	0.0
Dehumid. Ov Sizing	0	0	0	0	0	Ov/Undr Sizing	-1,429	61.19	Ov/Undr Sizing	-1,429	61.19	cfm/ft²	3.23	3.23
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	0	0.00	Exhaust Heat	0	0.00	cfm/ton	432.14	
Exhaust Heat	0	0	0	0	0	OA Preheat Diff.	141	-6.04	OA Preheat Diff.	141	-6.04	ft²/ton	133.61	
Sup. Fan Heat	0	263	2	2	2	RA Preheat Diff.	-346	14.82	RA Preheat Diff.	-346	14.82	Btu/hr-ft²	89.81	0.00
Ret. Fan Heat	0	0	0	0	0	Additional Reheat	0	0.00	Additional Reheat	0	0.00	No. People	4.0	29.2/1000 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 ==>	10,707	0	12,315	100.00	9,887	Grand Total ==>	-2,131	100.00	Grand Total ==>	-2,336	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
Main Clg	1.0	12.3	10.5	443	75.6	63.5	68.3	54.5	54.2	62.4	Floor	137			Main Htg	0.0	443	69.6	74.3
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0			Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0			Preheat	0.0	0	0.0	0.0
											ExFlr	0							
Total	1.0	12.3									Roof	137	0	0	Humidif	0.0	0	0.0	0.0
											Wall	115	44	38	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	0	Total	0.0			

Room Checksums

By INGENOR MEXICO S.A. DE C.V.

DELEGACION SJ-5

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES					
Peaked at Time:		Mo/Hr: 7 / 14		Mo/Hr: 6 / 14		Mo/Hr: Heating Design			Cooling		Heating	SADB	55.0	74.3		
Outside Air:		OADB/WB/HR: 92 / 82 / 151		OADB: 92		OADB: 61			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	(%)	76.1	0.1	0.0	0.4				
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	982		982					
Roof Cond	4,195	0	14	4,159	19	Roof Cond	-444	8.32	Terminal		982					
Glass Solar	2,284	0	8	2,431	11	Glass Solar	0	0.00	Main Fan		982					
Glass/Door Cond	770	0	3	748	3	Glass/Door Cond	-481	9.02	Sec Fan		0					
Wall Cond	3,321	0	11	3,362	15	Wall Cond	-633	11.87	Nom Vent		60		0			
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00	AHU Vent		60		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		982		982			
Sub Total ==>	10,570	0	36	10,699	49	Sub Total ==>	-1,558	29.20	Exhaust		60		0			
Internal Loads				Internal Loads							Rm Exh		0		0	
Lights	2,253	0	8	2,253	10	Lights	0	0.00	Auxiliary		0		0			
People	5,187	0	18	2,727	12	People	0	0.00	Leakage Dwn		0		0			
Misc	6,221	0	21	6,221	28	Misc	0	0.00	Leakage Ups		0		0			
Sub Total ==>	13,661	0	46	11,201	51	Sub Total ==>	0	0.00								
Ceiling Load				Ceiling Load							ENGINEERING CKS					
Ventilation Load	0	0	16	0	0	Ventilation Load	0	0.00	Cooling		Heating					
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0	% OA		6.1		0.0			
Dehumid. Ov Sizing	0	0	0	0	0	Ov/Undr Sizing	-3,162	59.27	cfm/ft²		2.54		2.54			
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	0	0.00	cfm/ton		398.30					
Exhaust Heat	0	0	0	0	0	OA Preheat Diff.	423	-7.94	ft²/ton		156.74					
Sup. Fan Heat	0	582	2	0	0	RA Preheat Diff.	-1,039	19.47	Btu/hr-ft²		76.56		0.00			
Ret. Fan Heat	0	0	0	0	0	Additional Reheat	0	0.00	No. People		12.0		31.0/1000 ft²			
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 ==>	24,231	0	100.00	21,901	100.00	Grand Total ==>	-4,719	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	29.6	23.5	982	76.1	64.0	70.2	54.5	54.0	61.6	Floor	387	0.0	982	69.4	74.3			
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0	0.0	0	0.0	0.0			
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	0.0	0	0.0	0.0			
											ExFlr	0	0.0	0	0.0	0.0			
Total	2.5	29.6									Roof	387	0.0	0	0.0	0.0			
											Wall	236	88	37	0.0	0.0			
											Ext Door	0	0	0	0.0	0.0			
											Total	0.0							

Room Checksums

By INGENOR MEXICO S.A. DE C.V.

DELEGACION SL

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES					
Peaked at Time:		Mo/Hr: 6 / 16		Mo/Hr: 6 / 16		Mo/Hr: Heating Design			Cooling			Heating				
Outside Air:		OADB/WB/HR: 92 / 81 / 141		OADB: 92		OADB: 61			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							
	1,500	0	1,500	20	1,500	25	-162	-162	11.41							
	0	0	0	0	0	0	0	0	0.00							
	0	0	0	0	0	0	0	0	0.00							
	2,017	0	2,017	27	2,017	33	-493	-493	34.77							
	1,070	0	1,070	14	1,070	18	-661	-661	46.59							
	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							
	4,587	0	4,587	62	4,587	75	-1,316	-1,316	92.77							
Internal Loads				Internal Loads												
	833	0	833	11	833	14	0	0	0.00							
	868	0	868	12	458	7	0	0	0.00							
	227	0	227	3	227	4	0	0	0.00							
	1,928	0	1,928	26	1,518	25	0	0	0.00							
Ceiling Load				Ceiling Load												
	0	0	0	0	0	0	0	0	0.00							
Ventilation Load				Ventilation Load												
	0	0	718	10	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	71	-4.98							
Sup. Fan Heat				RA Preheat Diff.												
	0	0	162	2	0	0	0	-173	12.21							
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 ==>								
	6,515	0	7,396	100.00	6,105	100.00	-1,316	-1,418	100.00							

AIRFLOWS		
	Cooling	Heating
Diffuser	274	274
Terminal	274	274
Main Fan	274	274
Sec Fan	0	0
Nom Vent	10	0
AHU Vent	10	0
Infil	0	0
MinStop/Rh	0	0
Return	274	274
Exhaust	10	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	3.7	0.0
cfm/ft²	1.94	1.94
cfm/ton	444.34	
ft²/ton	228.86	
Btu/hr-ft²	52.43	0.00
No. People	2.0	14.2/1000 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	0.6	7.4	6.5	274	75.6	63.4	67.7	54.5	54.3	62.8
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.6	7.4								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	141		
Part	185		
Int Door	0		
ExFlr	0		
Roof	141	0	0
Wall	115	0	0
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	0.0	274	69.7	74.3
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 INGENOR MEXICO S.A. DE C.V.

DELEGACION UM

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 11 / 15		Mo/Hr: 11 / 15		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 93 / 81 / 143		OADB: 93		OADB: 61			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							AIRFLOWS			
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Diffuser	1,385	1,385			
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Terminal	1,385	1,385			
Roof Cond	3,713	0	3,713	8	3,713	12	-438	5.35	Main Fan	1,385	1,385			
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	150	0			
Wall Cond	13,595	0	13,595	28	13,595	44	-2,059	25.13	AHU Vent	150	0			
Partition/Door	131	0	131	0	131	0	-84	1.03	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	1,385	1,385			
Infiltration	0	0	0	0	0	0	0	0.00	Exhaust	150	0			
<i>Sub Total ==></i>	17,439	0	17,439	36	17,439	56	-2,581	31.50	Rm Exh	0	0			
Internal Loads				Internal Loads							ENGINEERING CKS			
Lights	2,207	0	2,207	5	2,207	7	0	0.00	% OA	10.8	0.0			
People	12,946	0	12,946	26	6,796	22	0	0.00	cfm/ft²	3.63	3.63			
Misc	4,440	0	4,440	9	4,440	14	0	0.00	cfm/ton	339.01				
<i>Sub Total ==></i>	19,593	0	19,593	40	13,443	44	0	0.00	ft²/ton	93.41				
Ceiling Load	0	0	0	0	0	0	0	0.00	Btu/hr-ft²	128.46	0.00			
Ventilation Load	0	0	11,182	23	0	0	0	0.00	No. People	30.0	78.6/1000 ft²			
Adj Air Trans Heat	0	0	0	0	0	0	0	0						
Dehumid. Ov Sizing	0	0	0	0	0	0	-4,074	49.73						
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00						
Exhaust Heat	0	0	0	0	0	0	1,059	-12.92						
Sup. Fan Heat	0	821	2	0	0	0	-2,597	31.69						
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 ==>	37,032	0	49,035	100.00	30,882	100.00	-6,655	-8,193	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	4.1	49.0	34.7	1,385	76.9	65.0	73.4	54.5	53.3	58.8	Floor	382		Main Htg	0.0	1,385	69.0	74.3
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	24		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	4.1	49.0									Roof	382	0	Humidif	0.0	0	0.0	0.0
											Wall	480	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	Total	0.0			

Design Cooling Load Summary

By INGENOR MEXICO S.A. DE C.V.
 CECIS UNIDAD ACAPULCO
 ACAPULCO, GUERRERO

System - ACAPULCO DELEGACION UGAR

Zone - CECIS

Coil Location - Zone

Coil Peak Calculation Time: November, hour 17

Ambient DB/WB/HR: 91 / 81 / 145

COOLING COIL LOAD INFORMATION

COOLING COIL SELECTION

Load Component	Sensible Btu/h	Latent Btu/h	Total Btu/h	Percent of Total
Solar Gain	80,873		80,873	22.5%
Glass Transmission	8,693		8,693	2.4%
Wall Transmission	21,317		21,317	5.9%
Roof Transmission	39,619		39,619	11.0%
Floor Transmission	0		0	0.0%
Adj Floor Transmission	0		0.00	0.0%
Partition Transmission	10,861		10,861	3.0%
Net Ceiling Load	0		0	0.0%
Lighting	34,291		34,291	9.5%
People	27,091	23,575	50,666	14.1%
Misc. Equipment Loads	56,120	0	56,120	15.6%
Cooling Infiltration	0	0	0	0.0%
Sub-Total ==>	278,865	23,575	302,440	84.2%
Ventilation Load	10,387	32,054	42,441	11.8%
Exhaust Heat	-382	0	-382	-0.1%
Supply Fan Load	7,464		7,464	2.1%
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	7,275		7,275	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	303,609	55,629	359,239	100.0 %

Coil Selection Parameters	
Coil Entering Air (DB / WB)	76.2 / 63.8 °F
Coil Entering Humidity Ratio	68.58 gr/lb
Coil Leaving Air (DB / WB)	54.5 / 54.3 °F
Coil Leaving Humidity Ratio	62.54 gr/lb
Coil Sensible Load	303.61 MBh
Coil Total Load	359.24 MBh
Cooling Supply Air Temperature	55.00 °F
Total Cooling Airflow	12,594.85 cfm
Resulting Room Relative Humidity	50.00 %

General Engineering Checks

Total Cooling Load	29.9 ton
Area / Load	157.52 ft²/ton
Total Floor Area	4,716 ft²
Cooling Airflow	2.67 cfm/ft²
Airflow / Load	420.72 cfm/ton
Percent Outdoor Air	4.6 %
Cooling Load Methodology	CLTD-CLF (ASHRAE TFM)

Design Cooling Load Summary

By INGENOR MEXICO S.A. DE C.V.
 CECIS UNIDAD ACAPULCO
 ACAPULCO, GUERRERO

System - ACAPULCO DELEGACION UGAR

Zone - DELEGACION

Coil Location - Zone

Coil Peak Calculation Time: July, hour 16
 Ambient DB/WB/HR: 92 / 81 / 146

COOLING COIL LOAD INFORMATION

COOLING COIL SELECTION

Load Component	Sensible Btu/h	Latent Btu/h	Total Btu/h	Percent of Total
Solar Gain	45,204		45,204	5.6%
Glass Transmission	7,743		7,743	1.0%
Wall Transmission	74,442		74,442	9.3%
Roof Transmission	134,089		134,089	16.7%
Floor Transmission	0		0	0.0%
Adj Floor Transmission	0		0.00	0.0%
Partition Transmission	72,818		72,818	9.1%
Net Ceiling Load	0		0	0.0%
Lighting	87,300		87,300	10.9%
People	60,726	54,120	114,846	14.3%
Misc. Equipment Loads	136,727	0	136,727	17.0%
Cooling Infiltration	0	0	0	0.0%
Sub-Total ==>	619,049	54,120	673,169	83.9%
Ventilation Load	24,593	73,757	98,350	12.3%
Exhaust Heat	-693	0	-693	-0.1%
Supply Fan Load	16,460		16,460	2.1%
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	15,184		15,184	1.9%
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	674,593	127,877	802,470	100.0 %

Coil Selection Parameters	
Coil Entering Air (DB / WB)	76.3 / 63.8 °F
Coil Entering Humidity Ratio	68.74 gr/lb
Coil Leaving Air (DB / WB)	54.5 / 54.2 °F
Coil Leaving Humidity Ratio	62.22 gr/lb
Coil Sensible Load	674.59 MBh
Coil Total Load	802.47 MBh
Cooling Supply Air Temperature	55.00 °F
Total Cooling Airflow	27,776.57 cfm
Resulting Room Relative Humidity	50.00 %

General Engineering Checks

Total Cooling Load	66.9 ton
Area / Load	191.47 ft ² /ton
Total Floor Area	12,804 ft ²
Cooling Airflow	2.17 cfm/ft ²
Airflow / Load	415.37 cfm/ton
Percent Outdoor Air	4.8 %
Cooling Load Methodology	CLTD-CLF (ASHRAE TFM)

System Component Selection Summary

By INGENOR MEXICO S.A. DE C.V.

Alternative 1

System Description: ACAPULCO DELEGACION UGAR

System Type: Variable Temperature Constant Volume

Number of Zones: 2

Number of Rooms: 28

Component	Sizing Method	Location	Quantity
Cooling			
Main Clg Coil	Peak	Zone	2
Primary Clg Fan	Peak	Zone	2
Heating			
Main Htg Coil	Peak	Zone	2
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 ton	MBh	Sensible Capacity MBh	Airflow At Coil Peak cfm	Enter DB/ °F	WB/ °F	HR gr/lb	Leave DB/ °F	WB/ °F	HR gr/lb
		CECIS	Main Clg Coil	11/17	29.9	359.2	303.6	12,595	76.2	63.8	68.6	54.5	54.3	62.5
		DELEGACION	Main Clg Coil	7/16	66.9	802.5	674.6	27,777	76.3	63.8	68.7	54.5	54.2	62.2

Coil Location			Heating Coil Selection				
System	Zone	Room	Component	Total Capacity MBh	Airflow cfm	Entering Dry Bulb °F	Leaving Dry Bulb °F
		CECIS	Main Htg Coil	0.0	12,595	66.0	72.9
		DELEGACION	Main Htg Coil	0.0	27,777	67.1	74.3

Component Location			Miscellaneous Component Selection							
System	Zone	Room	Component	Design Airflow cfm	Ach/hr	Outside Air %	SADB Clg °F	Htg °F	Clg VAV Minimum cfm	Htg VAV Maximum cfm
		ACAPULCO DELEGACION UGAR	Return Fan	40,371						
		ACAPULCO DELEGACION UGAR	System Exhaust Fan	1,895						
		ACAPULCO DELEGACION UGAR	Optional Vent Fan	1,895		100				
		CECIS	Primary Fan	12,595		4.6	55.0			
		CECIS AVI	Diffuser	9,530	12.2	5.3	55.0	73.0		
		CECIS CC	Diffuser	554	14.5	5.4	55.0	73.0		
		CECIS OFICINA 1	Diffuser	476	16.3	3.2	55.0	73.0		
		CECIS OFICINA 2	Diffuser	476	16.3	3.2	55.0	73.0		
		CECIS SALA DE JUNTAS	Diffuser	1,559	17.2	1.0	55.0	73.0		
		DELEGACION	Primary Fan	27,777		4.8	55.0			

Project Name: CECIS UNIDAD ACAPULCO
 Dataset Name: CECIS-ACAPULCO-01.trc

System Component Selection Summary

By INGENOR MEXICO S.A. DE C.V.

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		
		DELEGACION CO	Diffuser	1,510	10.0	8.3	55.0	74.0		
		DELEGACION ET	Diffuser	13,502	8.7	4.4	55.0	74.0		
		DELEGACION OFIC DE	Diffuser	841	12.4	1.8	55.0	74.0		
		DELEGACION OFICINA 1	Diffuser	438	15.2	3.4	55.0	74.0		
		DELEGACION OFICINA 10	Diffuser	478	16.5	3.1	55.0	74.0		
		DELEGACION OFICINA 11	Diffuser	503	17.4	3.0	55.0	74.0		
		DELEGACION OFICINA 12	Diffuser	503	17.4	3.0	55.0	74.0		
		DELEGACION OFICINA 2	Diffuser	438	15.2	3.4	55.0	74.0		
		DELEGACION OFICINA 3	Diffuser	396	13.7	3.8	55.0	74.0		
		DELEGACION OFICINA 4	Diffuser	396	13.7	3.8	55.0	74.0		
		DELEGACION OFICINA 5	Diffuser	396	13.7	3.8	55.0	74.0		
		DELEGACION OFICINA 6	Diffuser	396	13.7	3.8	55.0	74.0		
		DELEGACION OFICINA 7	Diffuser	438	15.2	3.4	55.0	74.0		
		DELEGACION OFICINA 8	Diffuser	532	18.4	2.8	55.0	74.0		
		DELEGACION OFICINA 9	Diffuser	503	17.4	3.0	55.0	74.0		
		DELEGACION SE	Diffuser	1,030	7.0	5.8	55.0	74.0		
		DELEGACION SJ-1	Diffuser	892	15.0	4.5	55.0	74.0		
		DELEGACION SJ-2	Diffuser	1,053	17.8	3.8	55.0	74.0		
		DELEGACION SJ-3	Diffuser	443	15.8	4.5	55.0	74.0		
		DELEGACION SJ-4	Diffuser	443	15.8	4.5	55.0	74.0		
		DELEGACION SJ-5	Diffuser	982	12.4	6.1	55.0	74.0		
		DELEGACION SL	Diffuser	274	9.5	3.7	55.0	74.0		
		DELEGACION UM	Diffuser	1,385	17.7	10.8	55.0	74.0		