

## CECIS UNIDAD CAMPECHE

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Location	<b>CAMPECHE, CAMPECHE</b>
Building owner	<b>INFONAVIT</b>
Program user	<b>ING MEZA</b>
Company	<b>INGENOR</b>
Comments	<b>CONSTRUCCION EN DOS NIVELES A USAR UGAR</b>

By	<b>Trial</b>
Dataset name	<b>C:\Users\AMH\Documents\TRACE 700 Projects\CECIS-CAMPECHE-01 201217.trc</b>

Calculation time	<b>04:49 PM on 12/20/2017</b>
TRACE® 700 version	<b>6.3.2</b>

Location	<b>Campeche, Mexico</b>	
Latitude	<b>19.9</b>	<b>deg</b>
Longitude	<b>90.5</b>	<b>deg</b>
Time Zone	<b>6</b>	
Elevation	<b>16</b>	<b>ft</b>
Barometric pressure	<b>30.0</b>	<b>in. Hg</b>
Air density	<b>0.0763</b>	<b>lb/cu ft</b>
Air specific heat	<b>0.2444</b>	<b>Btu/lb·°F</b>
Density-specific heat product	<b>1.1183</b>	<b>Btu/h·cfm·°F</b>
Latent heat factor	<b>4,922.8</b>	<b>Btu·min/h·cu ft</b>
Enthalpy factor	<b>4.5751</b>	<b>lb·min/hr·cu ft</b>
Summer design dry bulb	<b>106.0</b>	<b>°F</b>
Summer design wet bulb	<b>77.0</b>	<b>°F</b>
Winter design dry bulb	<b>45.0</b>	<b>°F</b>
Summer clearness number	<b>1.00</b>	
Winter clearness number	<b>1.00</b>	
Summer ground reflectance	<b>0.20</b>	
Winter ground reflectance	<b>0.20</b>	
Carbon Dioxide Level	<b>400</b>	<b>ppm</b>
Design simulation period	<b>January - December</b>	
Cooling load methodology	<b>CLTD-CLF (ASHRAE TFM)</b>	
Heating load methodology	<b>UATD</b>	



# System Checksums

By Trial

CAMPECHE CECIS UGAR

Variable Temperature Constant Volume

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 5 / 15		Mo/Hr: Sum of		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 106 / 77 / 93		OADB: Peaks		OADB: 45			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	77.1	0.1	0.1	0.4	
<b>Envelope Loads</b>				<b>Envelope Loads</b>										
Skylite Solar	0	0	0	0	0	0	0	0.00						
Skylite Cond	0	0	0	0	0	0	0	0.00						
Roof Cond	197,250	0	197,250	22	197,250	29	-48,907	17.69						
Glass Solar	14,935	0	14,935	2	14,935	2	0	0.00						
Glass/Door Cond	22,436	0	22,436	3	22,436	3	-21,181	7.66						
Wall Cond	41,633	0	41,633	5	42,606	6	-18,207	6.59						
Partition/Door	51,300	0	51,300	6	50,885	7	-47,221	17.08						
Floor	0	0	0	0	0	0	0	0.00						
Adjacent Floor	0	0	0	0	0	0	0	0						
Infiltration	0	0	0	0	0	0	0	0.00						
<b>Sub Total ==&gt;</b>	<b>327,554</b>	<b>0</b>	<b>327,554</b>	<b>37</b>	<b>328,111</b>	<b>48</b>	<b>-135,516</b>	<b>49.03</b>						
<b>Internal Loads</b>				<b>Internal Loads</b>										
Lights	91,223	15,296	106,519	12	91,223	13	0	0.00						
People	146,061	0	146,061	17	77,796	11	0	0.00						
Misc	193,584	0	193,584	22	193,584	28	0	0.00						
<b>Sub Total ==&gt;</b>	<b>430,868</b>	<b>15,296</b>	<b>446,164</b>	<b>51</b>	<b>362,603</b>	<b>52</b>	<b>0</b>	<b>0.00</b>						
<b>Ceiling Load</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>						
<b>Ventilation Load</b>	<b>0</b>	<b>0</b>	<b>91,204</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>						
<b>Adj Air Trans Heat</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>						
<b>Dehumid. Ov Sizing</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-94,274</b>	<b>34.11</b>						
<b>Ov/Undr Sizing</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>						
<b>Exhaust Heat</b>	<b>0</b>	<b>-693</b>	<b>-693</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-17,710</b>	<b>6.41</b>						
<b>Sup. Fan Heat</b>	<b>0</b>	<b>0</b>	<b>18,301</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>-28,915</b>	<b>10.46</b>						
<b>Ret. Fan Heat</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>						
<b>Duct Heat Pkup</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>						
<b>Underflr Sup Ht Pkup</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>						
<b>Supply Air Leakage</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>						
<b>Grand Total ==&gt;</b>	<b>758,422</b>	<b>14,604</b>	<b>882,530</b>	<b>100.00</b>	<b>690,714</b>	<b>100.00</b>	<b>-229,791</b>	<b>100.00</b>						

	Cooling	Heating
SADB	55.0	76.7
Ra Plenum	75.0	70.0
Return	75.4	70.0
Ret/OA	77.1	70.0
Fn MtrTD	0.1	0.0
Fn BldTD	0.1	0.0
Fn Frict	0.4	0.0

	Cooling	Heating
<b>AIRFLOWS</b>		
Diffuser	30,883	30,883
Terminal	30,883	30,883
Main Fan	30,883	30,883
Sec Fan	0	0
Nom Vent	1,665	0
AHU Vent	1,665	0
Infil	0	0
MinStop/Rh	0	0
Return	30,883	30,883
Exhaust	1,665	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

	Cooling	Heating
<b>ENGINEERING CKS</b>		
% OA	5.4	0.0
cfm/ft²	1.81	1.81
cfm/ton	419.93	
ft²/ton	231.98	
Btu/hr-ft²	51.73	0.00
No. People	333	

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	73.5	882.5	780.0	30,883	77.1	63.6	66.3	54.5	54.1	61.6
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	<b>73.5</b>	<b>882.5</b>								

AREAS			
	Gross Total	Glass	(%)
		ft²	
Floor	17,061		
Part	4,861		
Int Door	0		
ExFlr	0		
Roof	15,658	0	0
Wall	2,380	820	34
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	0.0	30,883	68.7	76.7
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
<b>Total</b>	<b>0.0</b>			

# Zone Checksums

By Trial

## CAMPECHE PLANTA ALTA

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 5 / 15		Mo/Hr: 5 / 15		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 106 / 77 / 93		OADB: 106		OADB: 45			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							
<b>Envelope Loads</b>				<b>Envelope Loads</b>										
Skylite Solar	0	0	0	0	0	0	0	0.00						
Skylite Cond	0	0	0	0	0	0	0	0.00						
Roof Cond	156,202	0	156,202	28	156,202	35	-38,523	22.24						
Glass Solar	0	0	0	0	0	0	0	0.00						
Glass/Door Cond	0	0	0	0	0	0	0	0.00						
Wall Cond	14,426	0	14,426	3	14,426	3	-6,926	4.00						
Partition/Door	25,782	0	25,782	5	25,782	6	-23,535	13.59						
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						
<i>Sub Total ==&gt;</i>	196,409	0	196,409	35	196,409	43	-68,985	39.82						
<b>Internal Loads</b>				<b>Internal Loads</b>										
Lights	66,684	10,696	77,381	14	66,684	15	0	0.00						
People	83,846	0	83,846	15	44,691	10	0	0.00						
Misc	144,289	0	144,289	25	144,289	32	0	0.00						
<i>Sub Total ==&gt;</i>	294,819	10,696	305,516	54	255,664	57	0	0.00						
<b>Ceiling Load</b>	0	0	0	0	0	0	0	0.00						
<b>Ventilation Load</b>	0	0	52,350	9	0	0	0	0.00						
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	0	0						
<b>Dehumid. Ov Sizing</b>	0	0	0	0	0	0	-77,506	44.74						
<b>Ov/Undr Sizing</b>	0	0	0	0	0	0	0	0.00						
<b>Exhaust Heat</b>	0	-380	-380	0	0	0	0	0.00						
<b>Sup. Fan Heat</b>	0	0	11,978	2	0	0	-10,158	5.86						
<b>Ret. Fan Heat</b>	0	0	0	0	0	0	-16,585	9.57						
<b>Duct Heat Pkup</b>	0	0	0	0	0	0	0	0.00						
<b>Underflr Sup Ht Pkup</b>	0	0	0	0	0	0	0	0.00						
<b>Supply Air Leakage</b>	0	0	0	0	0	0	0	0.00						
<b>Grand Total ==&gt;</b>	491,229	10,316	565,873	100.00	452,074	100.00	-146,490	100.00						

AIRFLOWS		
	Cooling	Heating
<b>Diffuser</b>	20,213	20,213
<b>Terminal</b>	20,213	20,213
<b>Main Fan</b>	20,213	20,213
<b>Sec Fan</b>	0	0
<b>Nom Vent</b>	955	0
<b>AHU Vent</b>	955	0
<b>Infil</b>	0	0
<b>MinStop/Rh</b>	0	0
<b>Return</b>	20,213	20,213
<b>Exhaust</b>	955	0
<b>Rm Exh</b>	0	0
<b>Auxiliary</b>	0	0
<b>Leakage Dwn</b>	0	0
<b>Leakage Ups</b>	0	0

ENGINEERING CKS		
	Cooling	Heating
<b>% OA</b>	4.7	0.0
<b>cfm/ft²</b>	1.64	1.64
<b>cfm/ton</b>	428.64	
<b>ft²/ton</b>	261.54	
<b>Btu/hr-ft²</b>	45.88	0.00
<b>No. People</b>	191	

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
<b>Main Clg</b>	47.2	565.9	507.3	20,213	76.9	63.5	66.1	54.5	54.2	62.0
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	47.2	565.9								

AREAS			
	Gross Total	Glass ft²	(%)
<b>Floor</b>	12,333		
<b>Part</b>	2,423		
<b>Int Door</b>	0		
<b>ExFlr</b>	0		
<b>Roof</b>	12,333	0	0
<b>Wall</b>	594	0	0
<b>Ext Door</b>	0	0	0

HEATING COIL SELECTION				
	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
<b>Main Htg</b>	0.0	20,213	68.8	76.5
<b>Aux Htg</b>	0.0	0	0.0	0.0
<b>Preheat</b>	0.0	0	0.0	0.0
<b>Humidif</b>	0.0	0	0.0	0.0
<b>Opt Vent</b>	0.0	0	0.0	0.0
<b>Total</b>	0.0			

# Zone Checksums

By Trial

## CAMPECHE PLANTA BAJA

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 5 / 16		Mo/Hr: 5 / 16		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 105 / 77 / 94		OADB: 105		OADB: 45			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							
<b>Envelope Loads</b>				<b>Envelope Loads</b>										
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	41,048	0	41,048	13	41,048	Roof Cond	-10,384	10.06						
Glass Solar	14,935	0	14,935	5	14,935	Glass Solar	0	0.00						
Glass/Door Cond	22,436	0	22,436	7	22,436	Glass/Door Cond	-21,181	20.53						
Wall Cond	27,207	0	27,207	9	28,180	Wall Cond	-11,280	10.93						
Partition/Door	25,518	0	25,518	8	25,104	Partition/Door	-23,686	22.96						
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						
<b>Sub Total ==&gt;</b>	<b>131,145</b>	<b>0</b>	<b>131,145</b>	<b>41</b>	<b>131,702</b>	<b>Sub Total ==&gt;</b>	<b>-66,532</b>	<b>64.48</b>						
<b>Internal Loads</b>				<b>Internal Loads</b>										
Lights	24,539	4,600	29,139	9	24,539	Lights	0	0.00						
People	62,215	0	62,215	20	33,105	People	0	0.00						
Misc	49,295	0	49,295	16	49,295	Misc	0	0.00						
<b>Sub Total ==&gt;</b>	<b>136,049</b>	<b>4,600</b>	<b>140,648</b>	<b>44</b>	<b>106,939</b>	<b>Sub Total ==&gt;</b>	<b>0</b>	<b>0.00</b>						
<b>Ceiling Load</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Ceiling Load</b>	<b>0</b>	<b>0.00</b>						
<b>Ventilation Load</b>	<b>0</b>	<b>0</b>	<b>38,854</b>	<b>12</b>	<b>0</b>	<b>Ventilation Load</b>	<b>0</b>	<b>0.00</b>						
<b>Adj Air Trans Heat</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Adj Air Trans Heat</b>	<b>0</b>	<b>0</b>						
<b>Dehumid. Ov Sizing</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Ov/Undr Sizing</b>	<b>-16,769</b>	<b>16.25</b>						
<b>Ov/Undr Sizing</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Exhaust Heat</b>	<b>0</b>	<b>0.00</b>						
<b>Exhaust Heat</b>	<b>0</b>	<b>-313</b>	<b>-313</b>	<b>0</b>	<b>0</b>	<b>OA Preheat Diff.</b>	<b>-7,552</b>	<b>7.32</b>						
<b>Sup. Fan Heat</b>	<b>0</b>	<b>0</b>	<b>6,323</b>	<b>2</b>	<b>0</b>	<b>RA Preheat Diff.</b>	<b>-12,330</b>	<b>11.95</b>						
<b>Ret. Fan Heat</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Additional Reheat</b>	<b>0</b>	<b>0.00</b>						
<b>Duct Heat Pkup</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>System Plenum Heat</b>	<b>0</b>	<b>0.00</b>						
<b>Underflr Sup Ht Pkup</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Underflr Sup Ht Pkup</b>	<b>0</b>	<b>0.00</b>						
<b>Supply Air Leakage</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Supply Air Leakage</b>	<b>0</b>	<b>0.00</b>						
<b>Grand Total ==&gt;</b>	<b>267,193</b>	<b>4,287</b>	<b>316,657</b>	<b>100.00</b>	<b>238,641</b>	<b>Grand Total ==&gt;</b>	<b>-83,300</b>	<b>100.00</b>						

AIRFLOWS		
	Cooling	Heating
<b>Diffuser</b>	10,670	10,670
<b>Terminal</b>	10,670	10,670
<b>Main Fan</b>	10,670	10,670
<b>Sec Fan</b>	0	0
<b>Nom Vent</b>	710	0
<b>AHU Vent</b>	710	0
<b>Infil</b>	0	0
<b>MinStop/Rh</b>	0	0
<b>Return</b>	10,670	10,670
<b>Exhaust</b>	710	0
<b>Rm Exh</b>	0	0
<b>Auxiliary</b>	0	0
<b>Leakage Dwn</b>	0	0
<b>Leakage Ups</b>	0	0

ENGINEERING CKS		
	Cooling	Heating
<b>% OA</b>	6.7	0.0
<b>cfm/ft²</b>	2.26	2.26
<b>cfm/ton</b>	404.35	
<b>ft²/ton</b>	179.17	
<b>Btu/hr-ft²</b>	66.97	0.00
<b>No. People</b>	142	

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	
<b>Main Clg</b>	26.4	316.7	272.7	10,670	77.4	63.8	66.7	54.5	53.9	61.0
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	26.4	316.7								

AREAS			
	Gross Total	Glass	
		ft²	(%)
<b>Floor</b>	4,728		
<b>Part</b>	2,438		
<b>Int Door</b>	0		
<b>ExFlr</b>	0		
<b>Roof</b>	3,324	0	0
<b>Wall</b>	1,787	820	46
<b>Ext Door</b>	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
<b>Main Htg</b>	0.0	10,670	68.3	77.0
<b>Aux Htg</b>	0.0	0	0.0	0.0
<b>Preheat</b>	0.0	0	0.0	0.0
<b>Humidif</b>	0.0	0	0.0	0.0
<b>Opt Vent</b>	0.0	0	0.0	0.0
<b>Total</b>	0.0			

# Room Checksums

By Trial

## PA AREA DE ATENCION AL PUBLICO

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 5 / 15		Mo/Hr: 5 / 15		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 106 / 77 / 93		OADB: 106		OADB: 45			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							
<b>Envelope Loads</b>				<b>Envelope Loads</b>										
Skylite Solar	0	0	0	0	0	0	0	0.00						
Skylite Cond	0	0	0	0	0	0	0	0.00						
Roof Cond	89,708	0	89,708	34	89,708	41	-21,991	27.35						
Glass Solar	0	0	0	0	0	0	0	0.00						
Glass/Door Cond	0	0	0	0	0	0	0	0.00						
Wall Cond	2,526	0	2,526	1	2,526	1	-1,338	1.66						
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						
<b>Sub Total ==&gt;</b>	<b>92,234</b>	<b>0</b>	<b>92,234</b>	<b>35</b>	<b>92,234</b>	<b>42</b>	<b>-23,329</b>	<b>29.01</b>						
<b>Internal Loads</b>				<b>Internal Loads</b>										
Lights	35,858	8,965	44,823	17	35,858	16	0	0.00						
People	28,267	0	28,267	11	15,147	7	0	0.00						
Misc	77,274	0	77,274	29	77,274	35	0	0.00						
<b>Sub Total ==&gt;</b>	<b>141,400</b>	<b>8,965</b>	<b>150,364</b>	<b>57</b>	<b>128,280</b>	<b>58</b>	<b>0</b>	<b>0.00</b>						
<b>Ceiling Load</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>						
<b>Ventilation Load</b>	<b>0</b>	<b>0</b>	<b>17,553</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>						
<b>Adj Air Trans Heat</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>						
<b>Dehumid. Ov Sizing</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-48,126</b>	<b>59.85</b>						
<b>Ov/Undr Sizing</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>						
<b>Exhaust Heat</b>	<b>0</b>	<b>-291</b>	<b>-291</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-3,404</b>	<b>4.23</b>						
<b>Sup. Fan Heat</b>	<b>0</b>	<b>0</b>	<b>5,843</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>-5,557</b>	<b>6.91</b>						
<b>Ret. Fan Heat</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>						
<b>Duct Heat Pkup</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>						
<b>Underflr Sup Ht Pkup</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>						
<b>Supply Air Leakage</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>						
<b>Grand Total ==&gt;</b>	<b>233,633</b>	<b>8,674</b>	<b>265,702</b>	<b>100.00</b>	<b>220,513</b>	<b>100.00</b>	<b>-71,455</b>	<b>-80,416</b>	<b>100.00</b>					

AIRFLOWS		
	Cooling	Heating
<b>Diffuser</b>	9,860	9,860
<b>Terminal</b>	9,860	9,860
<b>Main Fan</b>	9,860	9,860
<b>Sec Fan</b>	0	0
<b>Nom Vent</b>	320	0
<b>AHU Vent</b>	320	0
<b>Infil</b>	0	0
<b>MinStop/Rh</b>	0	0
<b>Return</b>	9,860	9,860
<b>Exhaust</b>	320	0
<b>Rm Exh</b>	0	0
<b>Auxiliary</b>	0	0
<b>Leakage Dwn</b>	0	0
<b>Leakage Ups</b>	0	0

ENGINEERING CKS		
	Cooling	Heating
<b>% OA</b>	3.2	0.0
<b>cfm/ft²</b>	1.40	1.40
<b>cfm/ton</b>	445.29	
<b>ft²/ton</b>	317.98	
<b>Btu/hr-ft²</b>	37.74	0.00
<b>No. People</b>	64.0	9.1/1000 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
<b>Main Clg</b>	22.1	265.7	246.1	9,860	76.8	63.4	65.7	54.5	54.4	62.8
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	22.1	265.7								

AREAS			
	Gross Total	Glass	
		ft²	(%)
<b>Floor</b>	7,041		
<b>Part</b>	0		
<b>Int Door</b>	0		
<b>ExFlr</b>	0		
<b>Roof</b>	7,041	0	0
<b>Wall</b>	115	0	0
<b>Ext Door</b>	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
<b>Main Htg</b>	0.0	9,860	69.2	76.5
<b>Aux Htg</b>	0.0	0	0.0	0.0
<b>Preheat</b>	0.0	0	0.0	0.0
<b>Humidif</b>	0.0	0	0.0	0.0
<b>Opt Vent</b>	0.0	0	0.0	0.0
<b>Total</b>	0.0			

# Room Checksums

By Trial

## PA AREA DE ATENCION AL PUBLICO PRIVADA

COOLING COIL PEAK					CLG SPACE PEAK					HEATING COIL PEAK					TEMPERATURES		
Peaked at Time:		Mo/Hr: 5 / 15			Mo/Hr: 5 / 15		Mo/Hr: Heating Design							Cooling	Heating		
Outside Air:		OADB/WB/HR: 106 / 77 / 93			OADB: 106		OADB: 45							SADB	55.0	76.5	
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Return					
Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)	Btu/h	Btu/h	(%)	Btu/h	Btu/h	(%)	Ret/OA					
<b>Envelope Loads</b>					<b>Envelope Loads</b>										<b>AIRFLOWS</b>		
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00				Diffuser	2,431	2,431			
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00				Terminal	2,431	2,431			
Roof Cond	17,745	0	17,745	26	17,745	33	Roof Cond	-4,359	-4,359	20.64		Main Fan	2,431	2,431			
Glass Solar	0	0	0	0	0	Glass Solar	0	0.00				Sec Fan	0	0			
Glass/Door Cond	0	0	0	0	0	Glass/Door Cond	0	0.00				Nom Vent	125	0			
Wall Cond	0	0	0	0	0	Wall Cond	0	0.00				AHU Vent	125	0			
Partition/Door	4,496	4,496	6	4,496	8	Partition/Door	-4,174	-4,174	19.77			Infil	0	0			
Floor	0	0	0	0	0	Floor	0	0.00				MinStop/Rh	0	0			
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00				Return	2,431	2,431			
Infiltration	0	0	0	0	0	Infiltration	0	0.00				Exhaust	125	0			
Sub Total ==>	22,242	0	22,242	32	22,242	41	Sub Total ==>	-8,532	-8,532	40.41		Rm Exh	0	0			
<b>Internal Loads</b>					<b>Internal Loads</b>										<b>ENGINEERING CKS</b>		
Lights	6,927	1,732	8,659	12	6,927	13	Lights	0	0	0.00		% OA	5.1	0.0			
People	10,972	0	10,972	16	5,847	11	People	0	0	0.00		cfm/ft²	1.74	1.74			
Misc	19,344	0	19,344	28	19,344	36	Misc	0	0	0.00		cfm/ton	420.12				
Sub Total ==>	37,243	1,732	38,975	56	32,118	59	Sub Total ==>	0	0	0.00		ft²/ton	241.19				
<b>Ceiling Load</b>					<b>Ceiling Load</b>										Btu/hr-ft²		
Ventilation Load	0	0	6,857	10	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	-9,083	-9,083	43.01							
Ov/Undr Sizing	0	0	0	0	0	0	Exhaust Heat	0	0	0.00							
Exhaust Heat	0	-89	-89	0	0	0	OA Preheat Diff.	-1,330	-1,330	6.30							
Sup. Fan Heat	0	1,440	1,440	2	2	2	RA Preheat Diff.	-2,171	-2,171	10.28							
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 ==>	59,485	1,643	69,425	100.00	54,360	100.00	Grand Total ==>	-17,615	-21,115	100.00		No. People	25.0	17.9/1000 ft²			

COOLING COIL SELECTION											AREAS				HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass			Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F			
Main Clg	5.8	69.4	61.8	2,431	77.2	63.6	66.2	54.5	54.1	61.8	Floor	1,395		0.0	2,431	68.7	76.5		
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	430		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		
<b>Total</b>	<b>5.8</b>	<b>69.4</b>									Roof	1,395	0	0	0.0	0.0	0.0		
											Wall	0	0	0	0.0	0.0	0.0		
											Ext Door	0	0	0	0.0	0.0	0.0		
											<b>Total</b>	<b>0</b>		<b>0.0</b>					

# Room Checksums

By Trial

## PA COMEDOR

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 5 / 15		Mo/Hr: 5 / 15		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 106 / 77 / 93		OADB: 106		OADB: 45			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							
<b>Envelope Loads</b>				<b>Envelope Loads</b>										
Skylite Solar	0	0	0	0	0	0	0	0.00						
Skylite Cond	0	0	0	0	0	0	0	0.00						
Roof Cond	9,482	0	9,482	20	9,482	30	-2,344	16.08						
Glass Solar	0	0	0	0	0	0	0	0.00						
Glass/Door Cond	0	0	0	0	0	0	0	0.00						
Wall Cond	2,852	0	2,852	6	2,852	9	-1,408	9.66						
Partition/Door	7,124	0	7,124	15	7,124	22	-6,626	45.45						
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 ==&gt;</i>	19,459	0	19,459	41	19,459	61	-10,377	71.19						
<b>Internal Loads</b>				<b>Internal Loads</b>										
Lights	4,468	0	4,468	9	4,468	14	0	0.00						
People	13,036	0	13,036	28	6,886	22	0	0.00						
Misc	1,211	0	1,211	3	1,211	4	0	0.00						
<i>Sub Total ==&gt;</i>	18,714	0	18,714	40	12,564	39	0	0.00						
<b>Ceiling Load</b>	0	0	0	0	0	0	0	0.00						
<b>Ventilation Load</b>	0	0	8,228	17	0	0	0	0.00						
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	0	0						
<b>Dehumid. Ov Sizing</b>	0	0	0	0	0	0	0	0.00						
<b>Ov/Undr Sizing</b>	0	0	0	0	0	0	0	0.00						
<b>Exhaust Heat</b>	0	0	0	0	0	0	0	0.00						
<b>Sup. Fan Heat</b>	0	0	849	2	0	0	-1,595	10.94						
<b>Ret. Fan Heat</b>	0	0	0	0	0	0	-2,605	17.87						
<b>Duct Heat Pkup</b>	0	0	0	0	0	0	0	0.00						
<b>Underflr Sup Ht Pkup</b>	0	0	0	0	0	0	0	0.00						
<b>Supply Air Leakage</b>	0	0	0	0	0	0	0	0.00						
<b>Grand Total ==&gt;</b>	38,174	0	47,250	100.00	32,024	100.00	-10,377	100.00						

AIRFLOWS		
	Cooling	Heating
<b>Diffuser</b>	1,432	1,432
<b>Terminal</b>	1,432	1,432
<b>Main Fan</b>	1,432	1,432
<b>Sec Fan</b>	0	0
<b>Nom Vent</b>	150	0
<b>AHU Vent</b>	150	0
<b>Infil</b>	0	0
<b>MinStop/Rh</b>	0	0
<b>Return</b>	1,432	1,432
<b>Exhaust</b>	150	0
<b>Rm Exh</b>	0	0
<b>Auxiliary</b>	0	0
<b>Leakage Dwn</b>	0	0
<b>Leakage Ups</b>	0	0

ENGINEERING CKS		
	Cooling	Heating
<b>% OA</b>	10.5	0.0
<b>cfm/ft²</b>	1.91	1.91
<b>cfm/ton</b>	363.64	
<b>ft²/ton</b>	190.55	
<b>Btu/hr-ft²</b>	62.98	0.00
<b>No. People</b>	30.0	40.0/1000 ft²

COOLING COIL SELECTION										
	Total Capacity		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb
<b>Main Clg</b>	3.9	47.3	38.1	1,432	78.3	64.3	67.8	54.5	53.3	58.7
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	3.9	47.3								

AREAS			
	Gross Total	Glass ft²	(%)
<b>Floor</b>	750		
<b>Part</b>	682		
<b>Int Door</b>	0		
<b>ExFlr</b>	0		
<b>Roof</b>	750	0	0
<b>Wall</b>	121	0	0
<b>Ext Door</b>	0	0	0

HEATING COIL SELECTION				
	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
<b>Main Htg</b>	0.0	1,432	67.4	76.5
<b>Aux Htg</b>	0.0	0	0.0	0.0
<b>Preheat</b>	0.0	0	0.0	0.0
<b>Humidif</b>	0.0	0	0.0	0.0
<b>Opt Vent</b>	0.0	0	0.0	0.0
<b>Total</b>	0.0			

# Room Checksums

By Trial

PA OFICINA 1

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 5 / 15		Mo/Hr: 5 / 15		Mo/Hr: Heating Design						Cooling	Heating		
Outside Air:		OADB/WB/HR: 106 / 77 / 93		OADB: 106		OADB: 45						SADB	55.0	76.5	
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.0	70.0	
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.0	70.0	
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				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	1,806	0	1,806	24	1,806	31	Roof Cond	-443	-443	19.23					
Glass Solar	0	0	0	0	0	0	Glass Solar	0	0	0.00					
Glass/Door Cond	0	0	0	0	0	0	Glass/Door Cond	0	0	0.00					
Wall Cond	0	0	0	0	0	0	Wall Cond	0	0	0.00					
Partition/Door	0	0	0	0	0	0	Partition/Door	0	0	0.00					
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 ==&gt;</i>	1,806	0	1,806	24	1,806	31	<i>Sub Total ==&gt;</i>	-443	-443	19.23					
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				<b>AIRFLOWS</b>			
Lights	902	0	902	12	902	16	Lights	0	0	0.00			Cooling	Heating	
People	1,325	0	1,325	18	710	12	People	0	0	0.00			Diffuser	260	260
Misc	2,389	0	2,389	32	2,389	41	Misc	0	0	0.00			Terminal	260	260
<i>Sub Total ==&gt;</i>	4,616	0	4,616	62	4,001	69	<i>Sub Total ==&gt;</i>	0	0	0.00			Main Fan	260	260
<b>Ceiling Load</b>	0	0	0	0	0	0	<b>Ceiling Load</b>	0	0	0.00			Sec Fan	0	0
<b>Ventilation Load</b>	0	0	823	11	0	0	<b>Ventilation Load</b>	0	0	0.00			Nom Vent	15	0
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	<b>Adj Air Trans Heat</b>	0	0	0			AHU Vent	15	0
<b>Dehumid. Ov Sizing</b>	0	0	0	0	0	0	<b>Ov/Undr Sizing</b>	-1,439	-1,439	62.52			Infil	0	0
<b>Ov/Undr Sizing</b>	0	0	0	0	0	0	<b>Exhaust Heat</b>	0	0	0.00			MinStop/Rh	0	0
<b>Exhaust Heat</b>	0	0	0	0	0	0	<b>OA Preheat Diff.</b>	-160	-160	6.93			Return	260	260
<b>Sup. Fan Heat</b>	0	0	154	2	0	0	<b>RA Preheat Diff.</b>	-261	-261	11.32			Exhaust	15	0
<b>Ret. Fan Heat</b>	0	0	0	0	0	0	<b>Additional Reheat</b>	0	0	0.00			Rm Exh	0	0
<b>Duct Heat Pkup</b>	0	0	0	0	0	0	<b>System Plenum Heat</b>	0	0	0.00			Auxiliary	0	0
<b>Underflr Sup Ht Pkup</b>	0	0	0	0	0	0	<b>Underflr Sup Ht Pkup</b>	0	0	0.00			Leakage Dwn	0	0
<b>Supply Air Leakage</b>	0	0	0	0	0	0	<b>Supply Air Leakage</b>	0	0	0.00			Leakage Ups	0	0
<b>Grand Total ==&gt;</b>	6,421	0	7,398	100.00	5,806	100.00	<b>Grand Total ==&gt;</b>	-1,882	-2,302	100.00			<b>ENGINEERING CKS</b>		
													% OA	5.8	0.0
													cfm/ft²	1.83	1.83
													cfm/ton	421.11	
													ft²/ton	229.86	
													Btu/hr-ft²	52.21	0.00
													No. People	3.0	21.2/1000 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	ft² (%)	Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F
<b>Main Clg</b>	0.6	7.4	6.5	260	76.8	63.5	66.4	54.5	54.0	61.4	Floor	142						
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0						
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0						
<b>Total</b>	0.6	7.4									ExFlr	0						
											Roof	142	0	0				
											Wall	0	0	0				
											Ext Door	0	0	0				



# Room Checksums

By Trial

PA OFICINA 10

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 5 / 15		Mo/Hr: 5 / 15		Mo/Hr: Heating Design		Mo/Hr: Heating Design				Cooling	Heating	
Outside Air:		OADB/WB/HR: 106 / 77 / 93		OADB: 106		OADB: 106		OADB: 45				SADB	55.0	76.5
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.0	70.0
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.0	70.0
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	76.8	70.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00				Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00				Fn BldTD	0.1	0.0
Roof Cond	1,806	0	1,806	24	31	Roof Cond	-443	19.23				Fn Frict	0.4	0.0
Glass Solar	0	0	0	0	0	Glass Solar	0	0.00				<b>AIRFLOWS</b>		
Glass/Door Cond	0	0	0	0	0	Glass/Door Cond	0	0.00				Diffuser	260	260
Wall Cond	0	0	0	0	0	Wall Cond	0	0.00				Terminal	260	260
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00				Main Fan	260	260
Floor	0	0	0	0	0	Floor	0	0.00				Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00				Nom Vent	15	0
Infiltration	0	0	0	0	0	Infiltration	0	0.00				AHU Vent	15	0
<b>Sub Total ==&gt;</b>	<b>1,806</b>	<b>0</b>	<b>1,806</b>	<b>24</b>	<b>31</b>	<b>Sub Total ==&gt;</b>	<b>-443</b>	<b>19.23</b>				Infil	0	0
<b>Internal Loads</b>				<b>Internal Loads</b>								MinStop/Rh	0	0
Lights	902	0	902	12	16	Lights	0	0.00				Return	260	260
People	1,325	0	1,325	18	12	People	0	0.00				Exhaust	15	0
Misc	2,389	0	2,389	32	41	Misc	0	0.00				Rm Exh	0	0
<b>Sub Total ==&gt;</b>	<b>4,616</b>	<b>0</b>	<b>4,616</b>	<b>62</b>	<b>69</b>	<b>Sub Total ==&gt;</b>	<b>0</b>	<b>0.00</b>				Auxiliary	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Dwn	0	0
Ventilation Load	0	0	823	11	0	Ventilation Load	0	0.00				Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	Adj Air Trans Heat	0	0				<b>ENGINEERING CKS</b>		
Dehumid. Ov Sizing	0	0	0	0	0	Ov/Undr Sizing	-1,439	62.52				% OA	5.8	0.0
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	0	0.00				cfm/ft²	1.83	1.83
Exhaust Heat	0	0	0	0	0	OA Preheat Diff.	-160	6.93				cfm/ton	421.11	
Sup. Fan Heat	0	154	2	0	2	RA Preheat Diff.	-261	11.32				ft²/ton	229.86	
Ret. Fan Heat	0	0	0	0	0	Additional Reheat	0	0.00				Btu/hr-ft²	52.21	0.00
Duct Heat Pkup	0	0	0	0	0	System Plenum Heat	0	0.00				No. People	3.0	21.2/1000 ft²
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						
<b>Grand Total ==&gt;</b>	<b>6,421</b>	<b>0</b>	<b>7,398</b>	<b>100.00</b>	<b>100.00</b>	<b>Grand Total ==&gt;</b>	<b>-1,882</b>	<b>2,302</b>	<b>100.00</b>					

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F	
Main Clg	0.6	7.4	6.5	260	76.8	63.5	66.4	54.5	54.0	61.4	Floor	142	Main Htg	0.0	260	68.6	76.5
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	Humidif	0.0	0	0.0	0.0
<b>Total</b>	<b>0.6</b>	<b>7.4</b>									Roof	142	0	0.0	0.0	0.0	0.0
											Wall	0	0	0	0	0.0	0.0
											Ext Door	0	0	0	0	0.0	0.0
													<b>Total</b>	<b>0.0</b>			

# Room Checksums

By Trial

PA OFICINA 11

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 5 / 16		Mo/Hr: 5 / 16		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 105 / 77 / 94		OADB: 105		OADB: 45						SADB	55.0	76.5
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Return	75.0	70.0
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Ret/OA	76.3	70.0
<b>Envelope Loads</b>				<b>Envelope Loads</b>								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	1,696	0	1,696	18	1,696	22	Roof Cond	-443	-443	15.29		<b>AIRFLOWS</b>		
Glass Solar	0	0	0	0	0	0	Glass Solar	0	0	0.00		Cooling	Heating	
Glass/Door Cond	0	0	0	0	0	0	Glass/Door Cond	0	0	0.00		Diffuser	341	341
Wall Cond	0	0	0	0	0	0	Wall Cond	0	0	0.00		Terminal	341	341
Partition/Door	2,029	0	2,029	22	2,029	27	Partition/Door	-1,815	-1,815	62.71		Main Fan	341	341
Floor	0	0	0	0	0	0	Floor	0	0	0.00		Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	Adjacent Floor	0	0	0.00		Nom Vent	15	0
Infiltration	0	0	0	0	0	0	Infiltration	0	0	0.00		AHU Vent	15	0
<i>Sub Total ==&gt;</i>	3,725	0	3,725	40	3,725	49	<i>Sub Total ==&gt;</i>	-2,258	-2,258	78.00		Infil	0	0
<b>Internal Loads</b>				<b>Internal Loads</b>								MinStop/Rh	0	0
Lights	865	0	865	9	865	11	Lights	0	0	0.00		Return	341	341
People	1,311	0	1,311	14	696	9	People	0	0	0.00		Exhaust	15	0
Misc	2,350	0	2,350	25	2,350	31	Misc	0	0	0.00		Rm Exh	0	0
<i>Sub Total ==&gt;</i>	4,526	0	4,526	49	3,911	51	<i>Sub Total ==&gt;</i>	0	0	0.00		Auxiliary	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Dwn	0	0
Ventilation Load	0	0	815	9	0	0	Ventilation Load	0	0	0.00		Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	Adj Air Trans Heat	0	0	0		<b>ENGINEERING CKS</b>		
Dehumid. Ov Sizing	0	0	0	0	0	0	Ov/Undr Sizing	-217	-217	7.48		Cooling	Heating	
Ov/Undr Sizing	0	0	0	0	0	0	Exhaust Heat	0	0	0.00		% OA	4.4	0.0
Exhaust Heat	0	0	0	0	0	0	OA Preheat Diff.	-160	-160	5.51		cfm/ft²	2.41	2.41
Sup. Fan Heat	0	202	202	2	0	0	RA Preheat Diff.	-261	-261	9.00		cfm/ton	442.07	
Ret. Fan Heat	0	0	0	0	0	0	Additional Reheat	0	0	0.00		ft²/ton	183.49	
Duct Heat Pkup	0	0	0	0	0	0	System Plenum Heat	0	0	0.00		Btu/hr-ft²	65.40	0.00
Underflr Sup Ht Pkup	0	0	0	0	0	0	Underflr Sup Ht Pkup	0	0	0.00		No. People	3.0	21.2/1000 ft²
Supply Air Leakage	0	0	0	0	0	0	Supply Air Leakage	0	0	0.00				
<b>Grand Total ==&gt;</b>	8,251	0	9,268	100.00	7,636	100.00	<b>Grand Total ==&gt;</b>	-2,474	-2,894	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	0.8	9.3	8.4	341	76.3	63.3	66.0	54.5	54.2	62.2	Floor	142		0.0	341	68.9	76.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	187		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
<b>Total</b>	0.8	9.3									Roof	142	0	0	0	0.0	0.0
											Wall	0	0	0	0	0.0	0.0
											Ext Door	0	0	0	0	0.0	0.0
											<b>Total</b>		0.0				

# Room Checksums

By Trial

PA OFICINA 12

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 5 / 16		Mo/Hr: 5 / 16		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 105 / 77 / 94		OADB: 105		OADB: 45						SADB	55.0	76.5
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.0	70.0
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.0	70.0
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	76.3	70.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.1	0.0
Roof Cond	1,696	0	1,696	18	1,696	22	-443	15.29	-443	-443	15.29	Fn Frict	0.4	0.0
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00			
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00			
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00			
Partition/Door	2,029	0	2,029	22	2,029	27	-1,815	62.71	-1,815	-1,815	62.71			
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00			
<i>Sub Total ==&gt;</i>	3,725	0	3,725	40	3,725	49	-2,258	78.00	-2,258	-2,258	78.00			
<b>Internal Loads</b>				<b>Internal Loads</b>								<b>AIRFLOWS</b>		
Lights	865	0	865	9	865	11	0	0.00	0	0	0.00	Cooling	Heating	
People	1,311	0	1,311	14	696	9	0	0.00	0	0	0.00	Diffuser	341	341
Misc	2,350	0	2,350	25	2,350	31	0	0.00	0	0	0.00	Terminal	341	341
<i>Sub Total ==&gt;</i>	4,526	0	4,526	49	3,911	51	0	0.00	0	0	0.00	Main Fan	341	341
<b>Ceiling Load</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
<b>Ventilation Load</b>	0	0	815	9	0	0	0	0.00	0	0	0.00	Nom Vent	15	0
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	15	0
<b>Dehumid. Ov Sizing</b>	0	0	0	0	0	0	-217	7.48	-217	-217	7.48	Infil	0	0
<b>Ov/Undr Sizing</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	MinStop/Rh	0	0
<b>Exhaust Heat</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	Return	341	341
<b>Sup. Fan Heat</b>	0	0	202	2	0	0	-160	5.51	-160	-160	5.51	Exhaust	15	0
<b>Ret. Fan Heat</b>	0	0	0	0	0	0	-261	9.00	-261	-261	9.00	Rm Exh	0	0
<b>Duct Heat Pkup</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	Auxiliary	0	0
<b>Underflr Sup Ht Pkup</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Dwn	0	0
<b>Supply Air Leakage</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0
<b>Grand Total ==&gt;</b>	8,251	0	9,268	100.00	7,636	100.00	-2,474	100.00	-2,474	-2,894	100.00	<b>ENGINEERING CKS</b>		
												% OA	4.4	0.0
												cfm/ft²	2.41	2.41
												cfm/ton	442.07	
												ft²/ton	183.49	
												Btu/hr-ft²	65.40	0.00
												No. People	3.0	21.2/1000 ft²

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F	
<b>Main Clg</b>	0.8	9.3	8.4	341	76.3	63.3	66.0	54.5	54.2	62.2	Floor	142	Main Htg	0.0	341	68.9	76.5
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	187	Aux Htg	0.0	0	0.0	0.0
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0	Preheat	0.0	0	0.0	0.0
											ExFlr	0	Humidif	0.0	0	0.0	0.0
<b>Total</b>	0.8	9.3									Roof	142	0	0.0	0.0	0.0	0.0
											Wall	0	0	0	0.0	0.0	0.0
											Ext Door	0	0	0	0.0	0.0	0.0
													<b>Total</b>	0.0			

# Room Checksums

By Trial

PA OFICINA 13

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 5 / 16		Mo/Hr: 5 / 16		Mo/Hr: Heating Design						Cooling	Heating		
Outside Air:		OADB/WB/HR: 105 / 77 / 94		OADB: 105		OADB: 45						SADB	55.0	76.5	
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.0	70.0	
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.0	70.0	
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	76.3	70.0	
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00				Fn MtrTD	0.1	0.0	
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00				Fn BldTD	0.1	0.0	
Roof Cond	1,696	0	1,696	18	1,696	22	Roof Cond	-443	-443	15.29		Fn Frict	0.4	0.0	
Glass Solar	0	0	0	0	0	0	Glass Solar	0	0	0.00					
Glass/Door Cond	0	0	0	0	0	0	Glass/Door Cond	0	0	0.00					
Wall Cond	0	0	0	0	0	0	Wall Cond	0	0	0.00					
Partition/Door	2,029	0	2,029	22	2,029	27	Partition/Door	-1,815	-1,815	62.71					
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 ==&gt;</i>	3,725	0	3,725	40	3,725	49	<i>Sub Total ==&gt;</i>	-2,258	-2,258	78.00					
<b>Internal Loads</b>				<b>Internal Loads</b>								<b>AIRFLOWS</b>			
Lights	865	0	865	9	865	11	Lights	0	0	0.00			Cooling	Heating	
People	1,311	0	1,311	14	696	9	People	0	0	0.00			Diffuser	341	341
Misc	2,350	0	2,350	25	2,350	31	Misc	0	0	0.00			Terminal	341	341
<i>Sub Total ==&gt;</i>	4,526	0	4,526	49	3,911	51	<i>Sub Total ==&gt;</i>	0	0	0.00			Main Fan	341	341
<b>Ceiling Load</b>	0	0	0	0	0	0	<b>Ceiling Load</b>	0	0	0.00			Sec Fan	0	0
<b>Ventilation Load</b>	0	0	815	9	0	0	<b>Ventilation Load</b>	0	0	0.00			Nom Vent	15	0
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	<b>Adj Air Trans Heat</b>	0	0	0			AHU Vent	15	0
<b>Dehumid. Ov Sizing</b>	0	0	0	0	0	0	<b>Ov/Undr Sizing</b>	-217	-217	7.48			Infil	0	0
<b>Ov/Undr Sizing</b>	0	0	0	0	0	0	<b>Exhaust Heat</b>	0	0	0.00			MinStop/Rh	0	0
<b>Exhaust Heat</b>	0	0	0	0	0	0	<b>OA Preheat Diff.</b>	-160	-160	5.51			Return	341	341
<b>Sup. Fan Heat</b>	0	0	202	2	0	0	<b>RA Preheat Diff.</b>	-261	-261	9.00			Exhaust	15	0
<b>Ret. Fan Heat</b>	0	0	0	0	0	0	<b>Additional Reheat</b>	0	0	0.00			Rm Exh	0	0
<b>Duct Heat Pkup</b>	0	0	0	0	0	0	<b>System Plenum Heat</b>	0	0	0.00			Auxiliary	0	0
<b>Underflr Sup Ht Pkup</b>	0	0	0	0	0	0	<b>Underflr Sup Ht Pkup</b>	0	0	0.00			Leakage Dwn	0	0
<b>Supply Air Leakage</b>	0	0	0	0	0	0	<b>Supply Air Leakage</b>	0	0	0.00			Leakage Ups	0	0
<b>Grand Total ==&gt;</b>	8,251	0	9,268	100.00	7,636	100.00	<b>Grand Total ==&gt;</b>	-2,474	-2,894	100.00			<b>ENGINEERING CKS</b>		

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		
<b>Main Clg</b>	0.8	9.3	8.4	341	76.3	63.3	66.0	54.5	54.2	62.2	<b>Floor</b>	142		<b>Main Htg</b>	0.0	341	68.9	76.5
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	<b>Part</b>	187		<b>Aux Htg</b>	0.0	0	0.0	0.0
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	<b>Int Door</b>	0		<b>Preheat</b>	0.0	0	0.0	0.0
											<b>ExFlr</b>	0						
<b>Total</b>	0.8	9.3									<b>Roof</b>	142	0	<b>Humidif</b>	0.0	0	0.0	0.0
											<b>Wall</b>	0	0	<b>Opt Vent</b>	0.0	0	0.0	0.0
											<b>Ext Door</b>	0	0	<b>Total</b>	0.0			

# Room Checksums

By Trial

PA OFICINA 2

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 5 / 15		Mo/Hr: 5 / 15		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 106 / 77 / 93		OADB: 106		OADB: 45						SADB	55.0	76.5
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.0	70.0
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.0	70.0
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				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	1,806	0	1,806	24	1,806	31	Roof Cond	-443	-443	19.23				
Glass Solar	0	0	0	0	0	0	Glass Solar	0	0	0.00				
Glass/Door Cond	0	0	0	0	0	0	Glass/Door Cond	0	0	0.00				
Wall Cond	0	0	0	0	0	0	Wall Cond	0	0	0.00				
Partition/Door	0	0	0	0	0	0	Partition/Door	0	0	0.00				
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 ==&gt;</i>	1,806	0	1,806	24	1,806	31	<i>Sub Total ==&gt;</i>	-443	-443	19.23				
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>						
Lights	902	0	902	12	902	16	Lights	0	0	0.00				
People	1,325	0	1,325	18	710	12	People	0	0	0.00				
Misc	2,389	0	2,389	32	2,389	41	Misc	0	0	0.00				
<i>Sub Total ==&gt;</i>	4,616	0	4,616	62	4,001	69	<i>Sub Total ==&gt;</i>	0	0	0.00				
<b>Ceiling Load</b>	0	0	0	0	0	0	<b>Ceiling Load</b>	0	0	0.00				
<b>Ventilation Load</b>	0	0	823	11	0	0	<b>Ventilation Load</b>	0	0	0.00				
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	<b>Adj Air Trans Heat</b>	0	0	0				
<b>Dehumid. Ov Sizing</b>	0	0	0	0	0	0	<b>Ov/Undr Sizing</b>	-1,439	-1,439	62.52				
<b>Ov/Undr Sizing</b>	0	0	0	0	0	0	<b>Exhaust Heat</b>	0	0	0.00				
<b>Exhaust Heat</b>	0	0	0	0	0	0	<b>OA Preheat Diff.</b>	-160	-160	6.93				
<b>Sup. Fan Heat</b>	0	0	154	2	0	0	<b>RA Preheat Diff.</b>	-261	-261	11.32				
<b>Ret. Fan Heat</b>	0	0	0	0	0	0	<b>Additional Reheat</b>	0	0	0.00				
<b>Duct Heat Pkup</b>	0	0	0	0	0	0	<b>System Plenum Heat</b>	0	0	0.00				
<b>Underflr Sup Ht Pkup</b>	0	0	0	0	0	0	<b>Underflr Sup Ht Pkup</b>	0	0	0.00				
<b>Supply Air Leakage</b>	0	0	0	0	0	0	<b>Supply Air Leakage</b>	0	0	0.00				
<b>Grand Total ==&gt;</b>	6,421	0	7,398	100.00	5,806	100.00	<b>Grand Total ==&gt;</b>	-1,882	-2,302	100.00				

AIRFLOWS		
	Cooling	Heating
Diffuser	260	260
Terminal	260	260
Main Fan	260	260
Sec Fan	0	0
Nom Vent	15	0
AHU Vent	15	0
Infil	0	0
MinStop/Rh	0	0
Return	260	260
Exhaust	15	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	1.83	1.83
cfm/ton	421.11	
ft²/ton	229.86	
Btu/hr-ft²	52.21	0.00
No. People	3.0	21.2/1000 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	260	76.8	63.5	66.4	54.5	54.0	61.4
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	0.6	7.4								

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

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	0.0	260	68.6	76.5
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
<b>Total</b>	0.0			

# Room Checksums

By Trial

PA OFICINA 3

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 5 / 15		Mo/Hr: 5 / 15		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 106 / 77 / 93		OADB: 106		OADB: 45						SADB	55.0	76.5
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.0	70.0
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.0	70.0
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	76.8	70.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.1	0.0
Roof Cond	1,806	0	1,806	24	1,806	31	-443	19.23	-443	-443	19.23	Fn Frict	0.4	0.0
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00			
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00			
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00			
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00			
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00			
<i>Sub Total ==&gt;</i>	1,806	0	1,806	24	1,806	31	-443	19.23	-443	-443	19.23			
<b>Internal Loads</b>				<b>Internal Loads</b>								<b>AIRFLOWS</b>		
Lights	902	0	902	12	902	16	0	0.00	0	0	0.00	Cooling	Heating	
People	1,325	0	1,325	18	710	12	0	0.00	0	0	0.00	Diffuser	260	260
Misc	2,389	0	2,389	32	2,389	41	0	0.00	0	0	0.00	Terminal	260	260
<i>Sub Total ==&gt;</i>	4,616	0	4,616	62	4,001	69	0	0.00	0	0	0.00	Main Fan	260	260
<i>Sub Total ==&gt;</i>	4,616	0	4,616	62	4,001	69	0	0.00	0	0	0.00	Sec Fan	0	0
<b>Ceiling Load</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	15	0
<b>Ventilation Load</b>	0	0	823	11	0	0	0	0.00	0	0	0.00	AHU Vent	15	0
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	Infil	0	0
<b>Dehumid. Ov Sizing</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	MinStop/Rh	0	0
<b>Ov/Undr Sizing</b>	0	0	0	0	0	0	-1,439	62.52	-1,439	-1,439	62.52	Return	260	260
<b>Exhaust Heat</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	Exhaust	15	0
<b>Sup. Fan Heat</b>	0	0	154	2	0	0	0	0.00	0	0	0.00	Rm Exh	0	0
<b>Ret. Fan Heat</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	Auxiliary	0	0
<b>Duct Heat Pkup</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Dwn	0	0
<b>Underflr Sup Ht Pkup</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0
<b>Supply Air Leakage</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
<i>Grand Total ==&gt;</i>	6,421	0	7,398	100.00	5,806	100.00	-1,882	100.00	-1,882	-2,302	100.00	% OA	5.8	0.0
<i>Grand Total ==&gt;</i>	6,421	0	7,398	100.00	5,806	100.00	-1,882	100.00	-1,882	-2,302	100.00	cfm/ft²	1.83	1.83
<i>Grand Total ==&gt;</i>	6,421	0	7,398	100.00	5,806	100.00	-1,882	100.00	-1,882	-2,302	100.00	ft²/ton	421.11	
<i>Grand Total ==&gt;</i>	6,421	0	7,398	100.00	5,806	100.00	-1,882	100.00	-1,882	-2,302	100.00	Btu/hr-ft²	52.21	0.00
<i>Grand Total ==&gt;</i>	6,421	0	7,398	100.00	5,806	100.00	-1,882	100.00	-1,882	-2,302	100.00	No. People	3.0	21.2/1000 ft²

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft²	(%)	MBh	cfm	°F	°F	
<b>Main Clg</b>	0.6	7.4	6.5	260	76.8	63.5	66.4	54.5	54.0	61.4	<b>Floor</b>	142		<b>Main Htg</b>	0.0	260	68.6	76.5
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	<b>Part</b>	0		<b>Aux Htg</b>	0.0	0	0.0	0.0
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	<b>Int Door</b>	0		<b>Preheat</b>	0.0	0	0.0	0.0
											<b>ExFlr</b>	0						
<b>Total</b>	0.6	7.4									<b>Roof</b>	142	0	<b>Humidif</b>	0.0	0	0.0	0.0
											<b>Wall</b>	0	0	<b>Opt Vent</b>	0.0	0	0.0	0.0
											<b>Ext Door</b>	0	0	<b>Total</b>	0.0			

# Room Checksums

By Trial

PA OFICINA 4

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 5 / 15		Mo/Hr: 5 / 15		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 106 / 77 / 93		OADB: 106		OADB: 45						SADB	55.0	76.5
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.0	70.0
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.0	70.0
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.1	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.4	0.0
Roof Cond	1,806	0	1,806	24	1,806	31	-443	19.23	-443	-443	19.23	<b>AIRFLOWS</b>		
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Cooling	Heating	
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	260	260
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	260	260
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	260	260
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	15	0
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	15	0
<b>Sub Total ==&gt;</b>	<b>1,806</b>	<b>0</b>	<b>1,806</b>	<b>24</b>	<b>1,806</b>	<b>31</b>	<b>-443</b>	<b>19.23</b>	<b>-443</b>	<b>-443</b>	<b>19.23</b>	Infil	0	0
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				MinStop/Rh	0	0
Lights	902	0	902	12	902	16	0	0.00	0	0	0.00	Return	260	260
People	1,325	0	1,325	18	710	12	0	0.00	0	0	0.00	Exhaust	15	0
Misc	2,389	0	2,389	32	2,389	41	0	0.00	0	0	0.00	Rm Exh	0	0
<b>Sub Total ==&gt;</b>	<b>4,616</b>	<b>0</b>	<b>4,616</b>	<b>62</b>	<b>4,001</b>	<b>69</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	Auxiliary	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>				<b>Ceiling Load</b>				Leakage Dwn	0	0
Ventilation Load	0	0	823	11	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	<b>ENGINEERING CKS</b>		
Dehumid. Ov Sizing	0	0	0	0	0	0	-1,439	62.52	-1,439	-1,439	62.52	Cooling	Heating	
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	5.8	0.0
Exhaust Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	1.83	1.83
Sup. Fan Heat	0	154	154	2	0	0	0	0.00	0	-160	6.93	cfm/ton	421.11	
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	-261	11.32	ft²/ton	229.86	
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	52.21	0.00
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	3.0	21.2/1000 ft²
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	<b>6,421</b>	<b>0</b>	<b>7,398</b>	<b>100.00</b>	<b>5,806</b>	<b>100.00</b>	<b>-1,882</b>	<b>100.00</b>	<b>-1,882</b>	<b>-2,302</b>	<b>100.00</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Lvg	Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F
Main Clg	0.6	7.4	6.5	260	76.8	63.5	66.4	54.5	54.0	61.4	Floor	142		Main Htg	0.0	260	68.6	76.5
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						
<b>Total</b>	<b>0.6</b>	<b>7.4</b>									Roof	142	0	Humidif	0.0	0	0.0	0.0
											Wall	0	0	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	0	<b>Total</b>	<b>0.0</b>			

# Room Checksums

By Trial

PA OFICINA 5

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 5 / 15		Mo/Hr: 5 / 15		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 106 / 77 / 93		OADB: 106		OADB: 45						SADB	55.0	76.5
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.0	70.0
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.0	70.0
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	76.8	70.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.1	0.0
Roof Cond	1,806	0	1,806	24	1,806	31	-443	19.23	-443	-443	19.23	Fn Frict	0.4	0.0
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00			
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00			
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00			
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00			
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00			
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00			
<i>Sub Total ==&gt;</i>	1,806	0	1,806	24	1,806	31	-443	19.23	-443	-443	19.23			
<b>Internal Loads</b>				<b>Internal Loads</b>								<b>AIRFLOWS</b>		
Lights	902	0	902	12	902	16	0	0.00	0	0	0.00	Cooling	Heating	
People	1,325	0	1,325	18	710	12	0	0.00	0	0	0.00	Diffuser	260	260
Misc	2,389	0	2,389	32	2,389	41	0	0.00	0	0	0.00	Terminal	260	260
<i>Sub Total ==&gt;</i>	4,616	0	4,616	62	4,001	69	0	0.00	0	0	0.00	Main Fan	260	260
<i>Sub Total ==&gt;</i>	4,616	0	4,616	62	4,001	69	0	0.00	0	0	0.00	Sec Fan	0	0
<b>Ceiling Load</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	15	0
<b>Ventilation Load</b>	0	0	823	11	0	0	0	0.00	0	0	0.00	AHU Vent	15	0
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	Infil	0	0
<b>Dehumid. Ov Sizing</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	MinStop/Rh	0	0
<b>Ov/Undr Sizing</b>	0	0	0	0	0	0	-1,439	62.52	-1,439	-1,439	62.52	Return	260	260
<b>Exhaust Heat</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	Exhaust	15	0
<b>Sup. Fan Heat</b>	0	0	154	2	0	0	0	6.93	0	0	0.00	Rm Exh	0	0
<b>Ret. Fan Heat</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	Auxiliary	0	0
<b>Duct Heat Pkup</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Dwn	0	0
<b>Underflr Sup Ht Pkup</b>	0	0	0	0	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0
<b>Supply Air Leakage</b>	0	0	0	0	0	0	0	0.00	0	0	0.00			
<i>Grand Total ==&gt;</i>	6,421	0	7,398	100.00	5,806	100.00	-1,882	100.00	-1,882	-2,302	100.00	<b>ENGINEERING CKS</b>		
												% OA	5.8	0.0
												cfm/ft²	1.83	1.83
												cfm/ton	421.11	
												ft²/ton	229.86	
												Btu/hr-ft²	52.21	0.00
												No. People	3.0	21.2/1000 ft²

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	%	Capacity	Coil Airflow	Ent	Lvq
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F							
<b>Main Clg</b>	0.6	7.4	6.5	260	76.8	63.5	66.4	54.5	54.0	61.4	Floor	142					
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	0					
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0					
											ExFlr	0					
<b>Total</b>	0.6	7.4									Roof	142	0	0			
											Wall	0	0	0			
											Ext Door	0	0	0			



# Room Checksums

By Trial

PA OFICINA 6

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 5 / 16		Mo/Hr: 5 / 16		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 105 / 77 / 94		OADB: 105		OADB: 45			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	76.3	0.1	0.1	0.4	
						Btu/h	Btu/h		75.0	70.0	0.0	0.0	0.0	
<b>Envelope Loads</b>				<b>Envelope Loads</b>										
Skylite Solar	0	0	0	0	0	0	0	0.00						
Skylite Cond	0	0	0	0	0	0	0	0.00						
Roof Cond	1,696	0	1,696	18	1,696	22	-443	15.29						
Glass Solar	0	0	0	0	0	0	0	0.00						
Glass/Door Cond	0	0	0	0	0	0	0	0.00						
Wall Cond	0	0	0	0	0	0	0	0.00						
Partition/Door	2,029		2,029	22	2,029	27	-1,815	62.71						
Floor	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	0.00						
<i>Sub Total ==&gt;</i>	3,725	0	3,725	40	3,725	49	-2,258	78.00						
<b>Internal Loads</b>				<b>Internal Loads</b>										
Lights	865	0	865	9	865	11	0	0.00						
People	1,311	0	1,311	14	696	9	0	0.00						
Misc	2,350	0	2,350	25	2,350	31	0	0.00						
<i>Sub Total ==&gt;</i>	4,526	0	4,526	49	3,911	51	0	0.00						
<b>Ceiling Load</b>	0	0	0	0	0	0	0	0.00						
<b>Ventilation Load</b>	0	0	815	9	0	0	0	0.00						
<b>Adj Air Trans Heat</b>	0		0	0	0	0	0	0						
<b>Dehumid. Ov Sizing</b>			0	0			-217	7.48						
<b>Ov/Undr Sizing</b>	0		0	0	0	0	0	0.00						
<b>Exhaust Heat</b>		0	0	0			-160	5.51						
<b>Sup. Fan Heat</b>			202	2			-261	9.00						
<b>Ret. Fan Heat</b>		0	0	0			0	0.00						
<b>Duct Heat Pkup</b>		0	0	0			0	0.00						
<b>Underflr Sup Ht Pkup</b>			0	0			0	0.00						
<b>Supply Air Leakage</b>		0	0	0			0	0.00						
<b>Grand Total ==&gt;</b>	8,251	0	9,268	100.00	7,636	100.00	-2,474	100.00						

AIRFLOWS		
	Cooling	Heating
Diffuser	341	341
Terminal	341	341
Main Fan	341	341
Sec Fan	0	0
Nom Vent	15	0
AHU Vent	15	0
Infil	0	0
MinStop/Rh	0	0
Return	341	341
Exhaust	15	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	2.41	2.41
cfm/ton	442.07	
ft²/ton	183.49	
Btu/hr-ft²	65.40	0.00
No. People	3.0	21.2/1000 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	0.8	9.3	8.4	341	76.3	63.3	66.0	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
<b>Total</b>	0.8	9.3								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	142		
Part	187		
Int Door	0		
ExFlr	0		
Roof	142	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	0.0	341	68.9	76.5
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
<b>Total</b>	0.0			

# Room Checksums

By Trial

PA OFICINA 7

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 5 / 16		Mo/Hr: 5 / 16		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 105 / 77 / 94		OADB: 105		OADB: 45						SADB	55.0	76.5
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.0	70.0
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.0	70.0
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	76.3	70.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00				Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00				Fn BldTD	0.1	0.0
Roof Cond	1,696	0	1,696	18	1,696	22	Roof Cond	-443	-443	15.29		Fn Frict	0.4	0.0
Glass Solar	0	0	0	0	0	0	Glass Solar	0	0	0.00				
Glass/Door Cond	0	0	0	0	0	0	Glass/Door Cond	0	0	0.00				
Wall Cond	0	0	0	0	0	0	Wall Cond	0	0	0.00				
Partition/Door	2,029	0	2,029	22	2,029	27	Partition/Door	-1,815	-1,815	62.71				
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 ==&gt;</i>	3,725	0	3,725	40	3,725	49	<i>Sub Total ==&gt;</i>	-2,258	-2,258	78.00				
<b>Internal Loads</b>				<b>Internal Loads</b>										
Lights	865	0	865	9	865	11	Lights	0	0	0.00				
People	1,311	0	1,311	14	696	9	People	0	0	0.00				
Misc	2,350	0	2,350	25	2,350	31	Misc	0	0	0.00				
<i>Sub Total ==&gt;</i>	4,526	0	4,526	49	3,911	51	<i>Sub Total ==&gt;</i>	0	0	0.00				
<b>Ceiling Load</b>	0	0	0	0	0	0	<b>Ceiling Load</b>	0	0	0.00				
<b>Ventilation Load</b>	0	0	815	9	0	0	<b>Ventilation Load</b>	0	0	0.00				
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	<b>Adj Air Trans Heat</b>	0	0	0				
<b>Dehumid. Ov Sizing</b>	0	0	0	0	0	0	<b>Ov/Undr Sizing</b>	-217	-217	7.48				
<b>Ov/Undr Sizing</b>	0	0	0	0	0	0	<b>Exhaust Heat</b>	0	0	0.00				
<b>Exhaust Heat</b>	0	0	0	0	0	0	<b>OA Preheat Diff.</b>	-160	-160	5.51				
<b>Sup. Fan Heat</b>	0	0	202	2	0	0	<b>RA Preheat Diff.</b>	-261	-261	9.00				
<b>Ret. Fan Heat</b>	0	0	0	0	0	0	<b>Additional Reheat</b>	0	0	0.00				
<b>Duct Heat Pkup</b>	0	0	0	0	0	0	<b>System Plenum Heat</b>	0	0	0.00				
<b>Underflr Sup Ht Pkup</b>	0	0	0	0	0	0	<b>Underflr Sup Ht Pkup</b>	0	0	0.00				
<b>Supply Air Leakage</b>	0	0	0	0	0	0	<b>Supply Air Leakage</b>	0	0	0.00				
<b>Grand Total ==&gt;</b>	8,251	0	9,268	100.00	7,636	100.00	<b>Grand Total ==&gt;</b>	-2,474	-2,894	100.00				

AIRFLOWS		
	Cooling	Heating
Diffuser	341	341
Terminal	341	341
Main Fan	341	341
Sec Fan	0	0
Nom Vent	15	0
AHU Vent	15	0
Infil	0	0
MinStop/Rh	0	0
Return	341	341
Exhaust	15	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	2.41	2.41
cfm/ton	442.07	
ft²/ton	183.49	
Btu/hr-ft²	65.40	0.00
No. People	3.0	21.2/1000 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	0.8	9.3	8.4	341	76.3	63.3	66.0	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
<b>Total</b>	0.8	9.3								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	142		
Part	187		
Int Door	0		
ExFlr	0		
Roof	142	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	0.0	341	68.9	76.5
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
<b>Total</b>	0.0			

# Room Checksums

By Trial

PA OFICINA 8

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 5 / 15		Mo/Hr: 5 / 15		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 106 / 77 / 93		OADB: 106		OADB: 45						SADB	55.0	76.5
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.0	70.0
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.0	70.0
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	76.8	70.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	0	0	0.00	Fn BldTD	0.1	0.0
Roof Cond	1,806	0	1,806	24	31	Roof Cond	-443	19.23	-443	-443	19.23	Fn Frict	0.4	0.0
Glass Solar	0	0	0	0	0	Glass Solar	0	0.00	0	0	0.00			
Glass/Door Cond	0	0	0	0	0	Glass/Door Cond	0	0.00	0	0	0.00			
Wall Cond	0	0	0	0	0	Wall Cond	0	0.00	0	0	0.00			
Partition/Door	0	0	0	0	0	Partition/Door	0	0.00	0	0	0.00			
Floor	0	0	0	0	0	Floor	0	0.00	0	0	0.00			
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0.00	0	0	0.00			
Infiltration	0	0	0	0	0	Infiltration	0	0.00	0	0	0.00			
<i>Sub Total ==&gt;</i>	1,806	0	1,806	24	31	<i>Sub Total ==&gt;</i>	-443	19.23	-443	-443	19.23			
<b>Internal Loads</b>				<b>Internal Loads</b>										
Lights	902	0	902	12	16	Lights	0	0.00	0	0	0.00			
People	1,325	0	1,325	18	12	People	0	0.00	0	0	0.00			
Misc	2,389	0	2,389	32	41	Misc	0	0.00	0	0	0.00			
<i>Sub Total ==&gt;</i>	4,616	0	4,616	62	69	<i>Sub Total ==&gt;</i>	0	0.00	0	0	0.00			
<b>Ceiling Load</b>	0	0	0	0	0	<b>Ceiling Load</b>	0	0.00	0	0	0.00			
<b>Ventilation Load</b>	0	0	823	11	0	<b>Ventilation Load</b>	0	0.00	0	0	0.00			
<b>Adj Air Trans Heat</b>	0	0	0	0	0	<b>Adj Air Trans Heat</b>	0	0	0	0	0			
<b>Dehumid. Ov Sizing</b>	0	0	0	0	0	<b>Ov/Undr Sizing</b>	-1,439	62.52	-1,439	-1,439	62.52			
<b>Ov/Undr Sizing</b>	0	0	0	0	0	<b>Exhaust Heat</b>	0	0.00	0	0	0.00			
<b>Exhaust Heat</b>	0	0	0	0	0	<b>OA Preheat Diff.</b>	-160	6.93	-160	-160	6.93			
<b>Sup. Fan Heat</b>	0	154	154	2	2	<b>RA Preheat Diff.</b>	-261	11.32	-261	-261	11.32			
<b>Ret. Fan Heat</b>	0	0	0	0	0	<b>Additional Reheat</b>	0	0.00	0	0	0.00			
<b>Duct Heat Pkup</b>	0	0	0	0	0	<b>System Plenum Heat</b>	0	0.00	0	0	0.00			
<b>Underflr Sup Ht Pkup</b>	0	0	0	0	0	<b>Underflr Sup Ht Pkup</b>	0	0.00	0	0	0.00			
<b>Supply Air Leakage</b>	0	0	0	0	0	<b>Supply Air Leakage</b>	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	6,421	0	7,398	100.00	5,806	<b>Grand Total ==&gt;</b>	-1,882	100.00	-2,302	-2,302	100.00			

AIRFLOWS		
	Cooling	Heating
Diffuser	260	260
Terminal	260	260
Main Fan	260	260
Sec Fan	0	0
Nom Vent	15	0
AHU Vent	15	0
Infil	0	0
MinStop/Rh	0	0
Return	260	260
Exhaust	15	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	1.83	1.83
cfm/ton	421.11	
ft²/ton	229.86	
Btu/hr-ft²	52.21	0.00
No. People	3.0	21.2/1000 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	260	76.8	63.5	66.4	54.5	54.0	61.4
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	0.6	7.4								

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

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	0.0	260	68.6	76.5
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
<b>Total</b>	0.0			

# Room Checksums

By Trial

PA OFICINA 9

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 5 / 16		Mo/Hr: 5 / 16		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 105 / 77 / 94		OADB: 105		OADB: 45						SADB	55.0	76.5
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Return	75.0	70.0
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Ret/OA	76.3	70.0
<b>Envelope Loads</b>				<b>Envelope Loads</b>								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	1,696	0	1,696	18	1,696	22	Roof Cond	-443	-443	15.29		<b>AIRFLOWS</b>		
Glass Solar	0	0	0	0	0	0	Glass Solar	0	0	0.00		Diffuser	341	341
Glass/Door Cond	0	0	0	0	0	0	Glass/Door Cond	0	0	0.00		Terminal	341	341
Wall Cond	0	0	0	0	0	0	Wall Cond	0	0	0.00		Main Fan	341	341
Partition/Door	2,029	0	2,029	22	2,029	27	Partition/Door	-1,815	-1,815	62.71		Sec Fan	0	0
Floor	0	0	0	0	0	0	Floor	0	0	0.00		Nom Vent	15	0
Adjacent Floor	0	0	0	0	0	0	Adjacent Floor	0	0	0.00		AHU Vent	15	0
Infiltration	0	0	0	0	0	0	Infiltration	0	0	0.00		Infil	0	0
Sub Total ==>	3,725	0	3,725	40	3,725	49	Sub Total ==>	-2,258	-2,258	78.00		MinStop/Rh	0	0
<b>Internal Loads</b>				<b>Internal Loads</b>								Return	341	341
Lights	865	0	865	9	865	11	Lights	0	0	0.00		Exhaust	15	0
People	1,311	0	1,311	14	696	9	People	0	0	0.00		Rm Exh	0	0
Misc	2,350	0	2,350	25	2,350	31	Misc	0	0	0.00		Auxiliary	0	0
Sub Total ==>	4,526	0	4,526	49	3,911	51	Sub Total ==>	0	0	0.00		Leakage Dwn	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Ups	0	0
Ventilation Load	0	0	815	9	0	0	Ventilation Load	0	0	0.00		<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0	0	0	0	0	0	Adj Air Trans Heat	0	0	0		% OA	4.4	0.0
Dehumid. Ov Sizing	0	0	0	0	0	0	Ov/Undr Sizing	-217	-217	7.48		cfm/ft²	2.41	2.41
Ov/Undr Sizing	0	0	0	0	0	0	Exhaust Heat	0	0	0.00		cfm/ton	442.07	
Exhaust Heat	0	0	0	0	0	0	OA Preheat Diff.	-160	-160	5.51		ft²/ton	183.49	
Sup. Fan Heat	0	202	2	2	2	2	RA Preheat Diff.	-261	-261	9.00		Btu/hr-ft²	65.40	0.00
Ret. Fan Heat	0	0	0	0	0	0	Additional Reheat	0	0	0.00		No. People	3.0	21.2/1000 ft²
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				
<b>Grand Total ==&gt;</b>	<b>8,251</b>	<b>0</b>	<b>9,268</b>	<b>100.00</b>	<b>7,636</b>	<b>100.00</b>	<b>Grand Total ==&gt;</b>	<b>-2,474</b>	<b>-2,894</b>	<b>100.00</b>				

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION				
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb		ft² (%)	MBh	cfm	°F	°F	
Main Clg	0.8	9.3	8.4	341	76.3	63.3	66.0	54.5	54.2	62.2	Floor	142		0.0	341	68.9	76.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	187		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
<b>Total</b>	<b>0.8</b>	<b>9.3</b>									Roof	142	0	0.0	0	0.0	0.0
											Wall	0	0	0	0	0.0	0.0
											Ext Door	0	0	0	0	0.0	0.0

# Room Checksums

By Trial

PA OFICINA GTE

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 5 / 15		Mo/Hr: 5 / 15		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 106 / 77 / 93		OADB: 106		OADB: 45			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							
<b>Envelope Loads</b>				<b>Envelope Loads</b>										
Skylite Solar	0	0	0	0	0	0	0	0.00						
Skylite Cond	0	0	0	0	0	0	0	0.00						
Roof Cond	4,240	0	4,240	26	4,240	29	-1,048	20.62						
Glass Solar	0	0	0	0	0	0	0	0.00						
Glass/Door Cond	0	0	0	0	0	0	0	0.00						
Wall Cond	2,851	0	2,851	18	2,851	20	-1,408	27.69						
Partition/Door	1,985	0	1,985	12	1,985	14	-1,846	36.30						
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 ==&gt;</i>	9,076	0	9,076	56	9,076	63	-4,302	84.60						
<b>Internal Loads</b>				<b>Internal Loads</b>										
Lights	1,995	0	1,995	12	1,995	14	0	0.00						
People	1,303	0	1,303	8	688	5	0	0.00						
Misc	2,638	0	2,638	16	2,638	18	0	0.00						
<i>Sub Total ==&gt;</i>	5,937	0	5,937	37	5,322	37	0	0.00						
<b>Ceiling Load</b>	0	0	0	0	0	0	0	0.00						
<b>Ventilation Load</b>	0	0	823	5	0	0	0	0.00						
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	0	0						
<b>Dehumid. Ov Sizing</b>	0	0	0	0	0	0	-363	7.14						
<b>Ov/Undr Sizing</b>	0	0	0	0	0	0	0	0.00						
<b>Exhaust Heat</b>	0	0	0	0	0	0	-160	3.14						
<b>Sup. Fan Heat</b>	0	0	381	2	0	0	-261	5.12						
<b>Ret. Fan Heat</b>	0	0	0	0	0	0	0	0.00						
<b>Duct Heat Pkup</b>	0	0	0	0	0	0	0	0.00						
<b>Underflr Sup Ht Pkup</b>	0	0	0	0	0	0	0	0.00						
<b>Supply Air Leakage</b>	0	0	0	0	0	0	0	0.00						
<b>Grand Total ==&gt;</b>	15,013	0	16,217	100.00	14,398	100.00	-4,665	100.00						

AIRFLOWS		
	Cooling	Heating
Diffuser	644	644
Terminal	644	644
Main Fan	644	644
Sec Fan	0	0
Nom Vent	15	0
AHU Vent	15	0
Infil	0	0
MinStop/Rh	0	0
Return	644	644
Exhaust	15	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	2.3	0.0
cfm/ft²	1.92	1.92
cfm/ton	476.35	
ft²/ton	248.36	
Btu/hr-ft²	48.32	0.00
No. People	3.0	8.9/1000 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	1.4	16.2	15.3	644	75.7	63.0	65.4	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
<b>Total</b>	1.4	16.2								

AREAS			
	Gross Total	Glass	
		ft²	(%)
Floor	336		
Part	190		
Int Door	0		
ExFlr	0		
Roof	336	0	0
Wall	121	0	0
Ext Door	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	0.0	644	69.4	76.5
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
<b>Total</b>	0.0			

# Room Checksums

By Trial

## PA SALA DE JUNTAS 1

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 5 / 15		Mo/Hr: 5 / 15		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 106 / 77 / 93		OADB: 106		OADB: 45						SADB	55.0	76.5
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.0	70.0
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.0	70.0
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	77.7	70.0
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00				Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00				Fn BldTD	0.1	0.0
Roof Cond	3,704	0	3,704	20	3,704	28	Roof Cond	-908	-908	16.14		Fn Frict	0.4	0.0
Glass Solar	0	0	0	0	0	0	Glass Solar	0	0	0.00				
Glass/Door Cond	0	0	0	0	0	0	Glass/Door Cond	0	0	0.00				
Wall Cond	0	0	0	0	0	0	Wall Cond	0	0	0.00				
Partition/Door	0	0	0	0	0	0	Partition/Door	0	0	0.00				
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 ==&gt;</i>	3,704	0	3,704	20	3,704	28	<i>Sub Total ==&gt;</i>	-908	-908	16.14				
<b>Internal Loads</b>				<b>Internal Loads</b>										
Lights	1,851	0	1,851	10	1,851	14	Lights	0	0	0.00				
People	4,417	0	4,417	24	2,367	18	People	0	0	0.00				
Misc	5,121	0	5,121	28	5,121	39	Misc	0	0	0.00				
<i>Sub Total ==&gt;</i>	11,388	0	11,388	63	9,338	72	<i>Sub Total ==&gt;</i>	0	0	0.00				
<b>Ceiling Load</b>	0	0	0	0	0	0	<b>Ceiling Load</b>	0	0	0.00				
<b>Ventilation Load</b>	0	0	2,743	15	0	0	<b>Ventilation Load</b>	0	0	0.00				
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	<b>Adj Air Trans Heat</b>	0	0	0				
<b>Dehumid. Ov Sizing</b>	0	0	0	0	0	0	<b>Ov/Undr Sizing</b>	-3,318	-3,318	58.98				
<b>Ov/Undr Sizing</b>	0	0	0	0	0	0	<b>Exhaust Heat</b>	0	0	0.00				
<b>Exhaust Heat</b>	0	0	0	0	0	0	<b>OA Preheat Diff.</b>	-532	-532	9.45				
<b>Sup. Fan Heat</b>	0	0	346	2	0	0	<b>RA Preheat Diff.</b>	-868	-868	15.43				
<b>Ret. Fan Heat</b>	0	0	0	0	0	0	<b>Additional Reheat</b>	0	0	0.00				
<b>Duct Heat Pkup</b>	0	0	0	0	0	0	<b>System Plenum Heat</b>	0	0	0.00				
<b>Underflr Sup Ht Pkup</b>	0	0	0	0	0	0	<b>Underflr Sup Ht Pkup</b>	0	0	0.00				
<b>Supply Air Leakage</b>	0	0	0	0	0	0	<b>Supply Air Leakage</b>	0	0	0.00				
<b>Grand Total ==&gt;</b>	15,092	0	18,180	100.00	13,042	100.00	<b>Grand Total ==&gt;</b>	-4,226	-5,626	100.00				

AIRFLOWS		
	Cooling	Heating
Diffuser	583	583
Terminal	583	583
Main Fan	583	583
Sec Fan	0	0
Nom Vent	50	0
AHU Vent	50	0
Infil	0	0
MinStop/Rh	0	0
Return	583	583
Exhaust	50	0
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS		
	Cooling	Heating
% OA	8.6	0.0
cfm/ft²	2.01	2.01
cfm/ton	384.90	
ft²/ton	191.87	
Btu/hr-ft²	62.54	0.00
No. People	10.0	34.4/1000 ft²

COOLING COIL SELECTION										
	Total Capacity		Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	1.5	18.2	15.1	583	77.7	64.0	67.2	54.5	53.6	59.8
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
<b>Total</b>	1.5	18.2								

AREAS			
	Gross Total	Glass ft²	(%)
Floor	291		
Part	0		
Int Door	0		
ExFlr	0		
Roof	291	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	583	67.9	76.5
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
<b>Total</b>	0.0			

# Room Checksums

By Trial

## PA SALA DE JUNTAS 2

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES				
Peaked at Time:		Mo/Hr: 5 / 15		Mo/Hr: 5 / 15		Mo/Hr: Heating Design						Cooling	Heating			
Outside Air:		OADB/WB/HR: 106 / 77 / 93		OADB: 106		OADB: 45						SADB	55.0	76.5		
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.0	70.0		
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.0	70.0		
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	77.8	70.0		
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00				Fn MtrTD	0.1	0.0		
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00				Fn BldTD	0.1	0.0		
Roof Cond	1,806	0	1,806	25	1,806	36	Roof Cond	-443	-443	20.15		Fn Frict	0.4	0.0		
Glass Solar	0	0	0	0	0	0	Glass Solar	0	0	0.00						
Glass/Door Cond	0	0	0	0	0	0	Glass/Door Cond	0	0	0.00						
Wall Cond	0	0	0	0	0	0	Wall Cond	0	0	0.00						
Partition/Door	0	0	0	0	0	0	Partition/Door	0	0	0.00						
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 ==&gt;</i>	1,806	0	1,806	25	1,806	36	<i>Sub Total ==&gt;</i>	-443	-443	20.15						
<b>Internal Loads</b>				<b>Internal Loads</b>								<b>AIRFLOWS</b>				
Lights	902	0	902	13	902	18	Lights	0	0	0.00			Cooling	Heating		
People	1,767	0	1,767	25	947	19	People	0	0	0.00			Diffuser	226	226	
Misc	1,395	0	1,395	20	1,395	28	Misc	0	0	0.00			Terminal	226	226	
<i>Sub Total ==&gt;</i>	4,063	0	4,063	57	3,243	64	<i>Sub Total ==&gt;</i>	0	0	0.00			Main Fan	226	226	
<b>Ceiling Load</b>	0	0	0	0	0	0	<b>Ceiling Load</b>	0	0	0.00			Sec Fan	0	0	
<b>Ventilation Load</b>	0	0	1,097	15	0	0	<b>Ventilation Load</b>	0	0	0.00			Nom Vent	20	0	
<b>Adj Air Trans Heat</b>	0	0	0	0	0	0	<b>Adj Air Trans Heat</b>	0	0	0			AHU Vent	20	0	
<b>Dehumid. Ov Sizing</b>	0	0	0	0	0	0	<b>Ov/Undr Sizing</b>	-1,193	-1,193	54.34			Infil	0	0	
<b>Ov/Undr Sizing</b>	0	0	0	0	0	0	<b>Exhaust Heat</b>	0	0	0.00			MinStop/Rh	0	0	
<b>Exhaust Heat</b>	0	0	0	0	0	0	<b>OA Preheat Diff.</b>	-213	-213	9.69			Return	226	226	
<b>Sup. Fan Heat</b>	0	0	134	2	0	0	<b>RA Preheat Diff.</b>	-347	-347	15.82			Exhaust	20	0	
<b>Ret. Fan Heat</b>	0	0	0	0	0	0	<b>Additional Reheat</b>	0	0	0.00			Rm Exh	0	0	
<b>Duct Heat Pkup</b>	0	0	0	0	0	0	<b>System Plenum Heat</b>	0	0	0.00			Auxiliary	0	0	
<b>Underflr Sup Ht Pkup</b>	0	0	0	0	0	0	<b>Underflr Sup Ht Pkup</b>	0	0	0.00			Leakage Dwn	0	0	
<b>Supply Air Leakage</b>	0	0	0	0	0	0	<b>Supply Air Leakage</b>	0	0	0.00			Leakage Ups	0	0	
<b>Grand Total ==&gt;</b>	5,869	0	7,100	100.00	5,049	100.00	<b>Grand Total ==&gt;</b>	-1,636	-2,196	100.00			<b>ENGINEERING CKS</b>			
												% OA	Cooling	8.9	Heating	0.0
												cfm/ft²	1.59	1.59		
												cfm/ton	381.56			
												ft²/ton	239.51			
												Btu/hr-ft²	50.10	0.00		
												No. People	4.0	28.2/1000 ft²		

COOLING COIL SELECTION											AREAS			HEATING COIL SELECTION				
	Total Capacity	Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass		Capacity	Coil Airflow	Ent	Lvg		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb	ft²	(%)	MBh	cfm	°F	°F		
<b>Main Clg</b>	0.6	7.1	5.9	226	77.8	64.1	67.3	54.5	53.6	59.6	<b>Floor</b>	142	<b>Main Htg</b>	0.0	226	67.8	76.5	
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	<b>Part</b>	0	<b>Aux Htg</b>	0.0	0	0.0	0.0	
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	<b>Int Door</b>	0	<b>Preheat</b>	0.0	0	0.0	0.0	
											<b>ExFlr</b>	0						
<b>Total</b>	0.6	7.1									<b>Roof</b>	142	<b>Humidif</b>	0.0	0	0.0	0.0	
											<b>Wall</b>	0	<b>Opt Vent</b>	0.0	0	0.0	0.0	
											<b>Ext Door</b>	0	<b>Total</b>	0.0				

# Room Checksums

By Trial

## PA SALA DE JUNTAS 3

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 5 / 15		Mo/Hr: 5 / 15		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 106 / 77 / 93		OADB: 106		OADB: 45						SADB	55.0	76.5
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.0	70.0
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.0	70.0
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	77.8	70.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.1	0.0
Roof Cond	1,806	0	1,806	25	1,806	36	-443	20.15	-443	-443	20.15	Fn Frict	0.4	0.0
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	226	226
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	226	226
Partition/Door	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	226	226
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	20	0
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	20	0
<b>Sub Total ==&gt;</b>	<b>1,806</b>	<b>0</b>	<b>1,806</b>	<b>25</b>	<b>1,806</b>	<b>36</b>	<b>-443</b>	<b>20.15</b>	<b>-443</b>	<b>-443</b>	<b>20.15</b>	Infil	0	0
<b>Internal Loads</b>				<b>Internal Loads</b>								MinStop/Rh	0	0
Lights	902	0	902	13	902	18	0	0.00	0	0	0.00	Return	226	226
People	1,767	0	1,767	25	947	19	0	0.00	0	0	0.00	Exhaust	20	0
Misc	1,395	0	1,395	20	1,395	28	0	0.00	0	0	0.00	Rm Exh	0	0
<b>Sub Total ==&gt;</b>	<b>4,063</b>	<b>0</b>	<b>4,063</b>	<b>57</b>	<b>3,243</b>	<b>64</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	Auxiliary	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Dwn	0	0
Ventilation Load	0	0	1,097	15	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0	0	0	0	<b>ENGINEERING CKS</b>		
Dehumid. Ov Sizing	0	0	0	0	0	0	-1,193	54.34	-1,193	-1,193	54.34	% OA	8.9	0.0
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	1.59	1.59
Exhaust Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ton	381.56	
Sup. Fan Heat	0	0	134	2	0	0	0	0.00	0	0	0.00	ft²/ton	239.51	
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	Btu/hr-ft²	50.10	0.00
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	4.0	28.2/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	<b>5,869</b>	<b>0</b>	<b>7,100</b>	<b>100.00</b>	<b>5,049</b>	<b>100.00</b>	<b>-1,636</b>	<b>100.00</b>	<b>-2,196</b>	<b>-2,196</b>	<b>100.00</b>			

COOLING COIL SELECTION											AREAS			HEATING COIL SELECTION				
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	%	Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F
Main Clg	0.6	7.1	5.9	226	77.8	64.1	67.3	54.5	53.6	59.6	Floor	142						
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	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						
											ExFlr	0						
<b>Total</b>	<b>0.6</b>	<b>7.1</b>									Roof	142	0	0				
											Wall	0	0	0				
											Ext Door	0	0	0				



# Room Checksums

By Trial

## PA SALA DE JUNTAS 4

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	SADB	55.0	76.5	
Outside Air:		OADB/WB/HR: 105 / 77 / 96		OADB: 105		OADB: 45			Ra Plenum		75.0	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="2">Fn MtrTD</td> <td colspan="1">0.1</td> <td colspan="1">0.0</td>	Fn MtrTD		0.1	0.0		
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Tot Sens		Fn BldTD		0.1	0.0			
						Space Sens	Btu/h		Fn Frict		0.4	0.0			
<b>Envelope Loads</b>				<b>Envelope Loads</b>							<b>AIRFLOWS</b>				
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0.00	Cooling		947	947			
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0.00	Heating		947	947			
Roof Cond	4,898	0	4,898	18	4,898	23	Roof Cond	-1,233	-1,233	14.44	Main Fan		947	947	
Glass Solar	0	0	0	0	0	0	Glass Solar	0	0	0.00	Sec Fan		0	0	
Glass/Door Cond	0	0	0	0	0	0	Glass/Door Cond	0	0	0.00	Nom Vent		60	0	
Wall Cond	6,196	0	6,196	23	6,196	29	Wall Cond	-2,773	-2,773	32.46	AHU Vent		60	0	
Partition/Door	0	0	0	0	0	0	Partition/Door	0	0	0.00	Infil		0	0	
Floor	0	0	0	0	0	0	Floor	0	0	0.00	MinStop/Rh		0	0	
Adjacent Floor	0	0	0	0	0	0	Adjacent Floor	0	0	0.00	Return		947	947	
Infiltration	0	0	0	0	0	0	Infiltration	0	0	0.00	Exhaust		60	0	
Sub Total ==>	11,094	0	11,094	40	11,094	52	Sub Total ==>	-4,006	-4,006	46.89	Rm Exh		0	0	
<b>Internal Loads</b>				<b>Internal Loads</b>							<b>ENGINEERING CKS</b>				
Lights	2,278	0	2,278	8	2,278	11	Lights	0	0	0.00	% OA		6.3	0.0	
People	5,175	0	5,175	19	2,715	13	People	0	0	0.00	cfm/ft²		2.40	2.40	
Misc	5,094	0	5,094	19	5,094	24	Misc	0	0	0.00	cfm/ton		413.13		
Sub Total ==>	12,546	0	12,546	46	10,086	48	Sub Total ==>	0	0	0.00	ft²/ton		172.27		
<b>Ceiling Load</b>				<b>Ceiling Load</b>							Btu/hr-ft²		69.66	0.00	
Ventilation Load	0	0	3,306	12	0	0	Ventilation Load	0	0	0.00	No. People		12.0	30.4/1000 ft²	
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	-2,857	-2,857	33.44					
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.	-638	-638	7.47					
Sup. Fan Heat	0	561	561	2	0	0	RA Preheat Diff.	-1,042	-1,042	12.20					
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					
<b>Grand Total ==&gt;</b>	<b>23,640</b>	<b>0</b>	<b>27,507</b>	<b>100.00</b>	<b>21,180</b>	<b>100.00</b>	<b>Grand Total ==&gt;</b>	<b>-6,863</b>	<b>-8,543</b>	<b>100.00</b>					

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							
Main Clg	2.3	27.5	23.7	947	76.9	63.6	66.7	54.5	53.9	61.1	Floor	395		0.0	947	68.4	76.5
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
<b>Total</b>	<b>2.3</b>	<b>27.5</b>									Roof	395	0	0.0	0	0.0	0.0
											Wall	238	0	0	0.0	0	0.0
											Ext Door	0	0	0	0.0	0	0.0
														0.0			

# Room Checksums

By Trial

## PB AREA DE ATENCION AL PUBLICO

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK			TEMPERATURES			
Peaked at Time:		Mo/Hr: 5 / 15		Mo/Hr: 5 / 15		Mo/Hr: Heating Design			Cooling			Heating		
Outside Air:		OADB/WB/HR: 106 / 77 / 93		OADB: 106		OADB: 45			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							
<b>Envelope Loads</b>				<b>Envelope Loads</b>										
Skylite Solar	0	0	0	0	0	0	0	0.00						
Skylite Cond	0	0	0	0	0	0	0	0.00						
Roof Cond	35,105	0	35,105	14	19	-8,627	-8,627	10.98						
Glass Solar	13,123	0	13,123	5	7	0	0	0.00						
Glass/Door Cond	21,381	0	21,381	9	12	-20,139	-20,139	25.64						
Wall Cond	4,287	0	4,287	2	2	-2,274	-2,274	2.89						
Partition/Door	19,585	0	19,585	8	11	-18,182	-18,182	23.14						
Floor	0	0	0	0	0	0	0	0.00						
Adjacent Floor	0	0	0	0	0	0	0	0.00						
Infiltration	0	0	0	0	0	0	0	0.00						
<b>Sub Total ==&gt;</b>	<b>93,481</b>	<b>0</b>	<b>93,481</b>	<b>39</b>	<b>52</b>	<b>-49,222</b>	<b>-49,222</b>	<b>62.66</b>						
<b>Internal Loads</b>				<b>Internal Loads</b>										
Lights	18,399	4,600	22,999	9	10	0	0	0.00						
People	48,202	0	48,202	20	14	0	0	0.00						
Misc	43,403	0	43,403	18	24	0	0	0.00						
<b>Sub Total ==&gt;</b>	<b>110,004</b>	<b>4,600</b>	<b>114,604</b>	<b>47</b>	<b>48</b>	<b>0</b>	<b>0</b>	<b>0.00</b>						
<b>Ceiling Load</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>						
<b>Ventilation Load</b>	<b>0</b>	<b>0</b>	<b>30,169</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>						
<b>Adj Air Trans Heat</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>						
<b>Dehumid. Ov Sizing</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-13,935</b>	<b>-13,935</b>	<b>17.74</b>						
<b>Ov/Undr Sizing</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>						
<b>Exhaust Heat</b>	<b>0</b>	<b>-313</b>	<b>-313</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>						
<b>Sup. Fan Heat</b>	<b>0</b>	<b>0</b>	<b>4,794</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>-5,850</b>	<b>7.45</b>						
<b>Ret. Fan Heat</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-9,552</b>	<b>12.16</b>						
<b>Duct Heat Pkup</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>						
<b>Underflr Sup Ht Pkup</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>						
<b>Supply Air Leakage</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>						
<b>Grand Total ==&gt;</b>	<b>203,485</b>	<b>4,287</b>	<b>242,736</b>	<b>100.00</b>	<b>180,935</b>	<b>100.00</b>	<b>-63,158</b>	<b>-78,559</b>	<b>100.00</b>					

AIRFLOWS		
	Cooling	Heating
<b>Diffuser</b>	8,090	8,090
<b>Terminal</b>	8,090	8,090
<b>Main Fan</b>	8,090	8,090
<b>Sec Fan</b>	0	0
<b>Nom Vent</b>	550	0
<b>AHU Vent</b>	550	0
<b>Infil</b>	0	0
<b>MinStop/Rh</b>	0	0
<b>Return</b>	8,090	8,090
<b>Exhaust</b>	550	0
<b>Rm Exh</b>	0	0
<b>Auxiliary</b>	0	0
<b>Leakage Dwn</b>	0	0
<b>Leakage Ups</b>	0	0

ENGINEERING CKS		
	Cooling	Heating
<b>% OA</b>	6.8	0.0
<b>cfm/ft²</b>	2.17	2.17
<b>cfm/ton</b>	399.94	
<b>ft²/ton</b>	184.36	
<b>Btu/hr-ft²</b>	65.09	0.00
<b>No. People</b>	110.0	29.5/1000 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		
<b>Main Clg</b>	20.2	242.7	209.1	8,090	77.6	63.9	66.7	54.5	53.9	60.8
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	20.2	242.7								

AREAS			
	Gross Total	Glass ft²	(%)
<b>Floor</b>	3,729		
<b>Part</b>	1,872		
<b>Int Door</b>	0		
<b>ExFlr</b>	0		
<b>Roof</b>	2,762	0	0
<b>Wall</b>	975	780	80
<b>Ext Door</b>	0	0	0

HEATING COIL SELECTION				
	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
<b>Main Htg</b>	0.0	8,090	68.3	77.0
<b>Aux Htg</b>	0.0	0	0.0	0.0
<b>Preheat</b>	0.0	0	0.0	0.0
<b>Humidif</b>	0.0	0	0.0	0.0
<b>Opt Vent</b>	0.0	0	0.0	0.0
<b>Total</b>	0.0			

# Room Checksums

By Trial

PB COCINETA

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 9 / 17		Mo/Hr: 11 / 17		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 100 / 77 / 104		OADB: 95		OADB: 45						SADB	55.0	77.0
Space Sens. + Lat.	Plenum Sens. + Lat.	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.0	70.0
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.0	70.0
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Ret/OA	76.6	70.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn MtrTD	0.1	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.1	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.4	0.0
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	620	620
Wall Cond	7,973	0	7,973	45	8,945	65	-2,942	49.37	-2,942	-2,942	49.37	Terminal	620	620
Partition/Door	1,856	0	1,856	11	1,441	10	-1,897	31.84	-1,897	-1,897	31.84	Main Fan	620	620
Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Sec Fan	0	0
Adjacent Floor	0	0	0	0	0	0	0	0.00	0	0	0.00	Nom Vent	40	0
Infiltration	0	0	0	0	0	0	0	0.00	0	0	0.00	AHU Vent	40	0
<b>Sub Total ==&gt;</b>	<b>9,829</b>	<b>0</b>	<b>9,829</b>	<b>56</b>	<b>10,386</b>	<b>75</b>	<b>-4,840</b>	<b>81.21</b>	<b>-4,840</b>	<b>-4,840</b>	<b>81.21</b>	Infil	0	0
<b>Internal Loads</b>				<b>Internal Loads</b>								MinStop/Rh	0	0
Lights	1,283	0	1,283	7	1,283	9	0	0.00	0	0	0.00	Return	620	620
People	3,490	0	3,490	20	1,850	13	0	0.00	0	0	0.00	Exhaust	40	0
Misc	345	0	345	2	345	2	0	0.00	0	0	0.00	Rm Exh	0	0
<b>Sub Total ==&gt;</b>	<b>5,119</b>	<b>0</b>	<b>5,119</b>	<b>29</b>	<b>3,479</b>	<b>25</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0</b>	<b>0.00</b>	Auxiliary	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Dwn	0	0
Ventilation Load	0	0	2,249	13	0	0	0	0.00	0	0	0.00	Leakage Ups	0	0
Adj Air Trans Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Dehumid. Ov Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	% OA	6.5	0.0
Ov/Undr Sizing	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ft²	2.92	2.92
Exhaust Heat	0	0	0	0	0	0	0	0.00	0	0	0.00	cfm/ton	423.55	
Sup. Fan Heat	0	0	367	2	0	0	0	0.00	0	-425	7.14	ft²/ton	144.91	
Ret. Fan Heat	0	0	0	0	0	0	0	0.00	0	-695	11.66	Btu/hr-ft²	82.81	0.00
Duct Heat Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00	No. People	8.0	37.7/1000 ft²
Underflr Sup Ht Pkup	0	0	0	0	0	0	0	0.00	0	0	0.00			
Supply Air Leakage	0	0	0	0	0	0	0	0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	<b>14,947</b>	<b>0</b>	<b>17,563</b>	<b>100.00</b>	<b>13,865</b>	<b>100.00</b>	<b>-4,840</b>	<b>100.00</b>	<b>-4,840</b>	<b>-5,960</b>	<b>100.00</b>			

COOLING COIL SELECTION										AREAS			HEATING COIL SELECTION					
	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR			Gross Total	Glass	Lvg	Capacity	Coil Airflow	Ent	Lvg	
	ton	MBh			MBh	cfm	°F	°F	gr/lb	°F								°F
Main Clg	1.5	17.6	14.8	620	76.6	63.7	67.3	54.5	54.2	62.3	Floor	212		Main Htg	0.0	620	68.4	77.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	195		Aux Htg	0.0	0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Int Door	0		Preheat	0.0	0	0.0	0.0
											ExFlr	0		Humidif	0.0	0	0.0	0.0
<b>Total</b>	<b>1.5</b>	<b>17.6</b>									Roof	0	0	Opt Vent	0.0	0	0.0	0.0
											Wall	252	0	<b>Total</b>	<b>0.0</b>			
											Ext Door	0	0					

# Room Checksums

By Trial

PB OFICINA 1

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES			
Peaked at Time:		Mo/Hr: 5 / 17		Mo/Hr: 5 / 17		Mo/Hr: Heating Design						Cooling	Heating		
Outside Air:		OADB/WB/HR: 104 / 77 / 94		OADB: 104		OADB: 45						SADB	55.0	77.0	
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Ra Plenum	75.0	70.0	
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Return	75.0	70.0	
<b>Envelope Loads</b>				<b>Envelope Loads</b>				<b>Envelope Loads</b>				Fn MtrTD	0.1	0.0	
Skylite Solar	0	0	0	0	0	Skylite Solar	0	0	0	0	0.00	Fn BldTD	0.1	0.0	
Skylite Cond	0	0	0	0	0	Skylite Cond	0	0	0	0	0.00	Fn Frict	0.4	0.0	
Roof Cond	1,482	0	1,482	11	1,482	Roof Cond	-443	-443	9.64			<b>AIRFLOWS</b>			
Glass Solar	434	0	434	3	434	Glass Solar	0	0	0.00			Diffuser	535	535	
Glass/Door Cond	268	0	268	2	268	Glass/Door Cond	-261	-261	5.67	Cooling	Heating	Terminal	535	535	
Wall Cond	3,736	0	3,736	27	3,736	Wall Cond	-1,516	-1,516	33.00	Main Fan	535	535	Sec Fan	0	0
Partition/Door	2,031	0	2,031	15	2,031	Partition/Door	-1,803	-1,803	39.26	Nom Vent	15	0	AHU Vent	15	0
Floor	0	0	0	0	0	Floor	0	0	0.00	Infil	0	0	MinStop/Rh	0	0
Adjacent Floor	0	0	0	0	0	Adjacent Floor	0	0	0.00	Return	535	535	Exhaust	15	0
Infiltration	0	0	0	0	0	Infiltration	0	0	0.00	Rm Exh	0	0	Auxiliary	0	0
Sub Total ==>	7,951	0	7,951	58	7,951	Sub Total ==>	-4,022	-4,022	87.56	Leakage Dwn	0	0	Leakage Ups	0	0
<b>Internal Loads</b>				<b>Internal Loads</b>				<b>Internal Loads</b>				<b>ENGINEERING CKS</b>			
Lights	945	0	945	7	945	Lights	0	0	0.00	% OA	2.8	0.0			
People	1,309	0	1,309	10	694	People	0	0	0.00	cfm/ft²	3.42	3.42			
Misc	2,365	0	2,365	17	2,365	Misc	0	0	0.00	cfm/ton	468.81				
Sub Total ==>	4,618	0	4,618	34	4,003	Sub Total ==>	0	0	0.00	ft²/ton	137.10				
Ceiling Load	0	0	0	0	0	Ceiling Load	0	0	0.00	Btu/hr-ft²	87.52	0.00			
Ventilation Load	0	0	795	6	0	Ventilation Load	0	0	0.00	No. People	3.0	19.2/1000 ft²			
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	-151	-151	3.29						
Ov/Undr Sizing	0	0	0	0	0	Exhaust Heat	0	0	0.00						
Exhaust Heat	0	0	0	0	0	OA Preheat Diff.	-160	-160	3.47						
Sup. Fan Heat	0	0	317	2	0	RA Preheat Diff.	-261	-261	5.67						
Ret. Fan Heat	0	0	0	0	0	Additional Reheat	0	0	0.00						
Duct Heat Pkup	0	0	0	0	0	System Plenum Heat	0	0	0.00						
Underflr Sup Ht Pkup	0	0	0	0	0	Underflr Sup Ht Pkup	0	0	0.00						
Supply Air Leakage	0	0	0	0	0	Supply Air Leakage	0	0	0.00						
<b>Grand Total ==&gt;</b>	12,570	0	13,682	100.00	11,955	<b>Grand Total ==&gt;</b>	-4,173	-4,593	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							
Main Clg	1.1	13.7	12.8	535	75.8	63.0	65.6	54.5	54.4	63.1	Floor	156	Main Htg	0.0	535	69.3	77.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	186	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					
<b>Total</b>	1.1	13.7									Roof	142	Humidif	0.0	0	0.0	0.0
											Wall	140	Opt Vent	0.0	0	0.0	0.0
											Ext Door	0	<b>Total</b>	0.0			

# Room Checksums

By Trial

PB OFICINA 2

COOLING COIL PEAK				CLG SPACE PEAK				HEATING COIL PEAK				TEMPERATURES		
Peaked at Time:		Mo/Hr: 5 / 17		Mo/Hr: 5 / 17		Mo/Hr: Heating Design						Cooling	Heating	
Outside Air:		OADB/WB/HR: 104 / 77 / 94		OADB: 104		OADB: 45						SADB	55.0	77.0
Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total (%)	Space Sensible	Percent Of Total (%)	Space Peak	Coil Peak	Percent Of Total	Space Sens	Tot Sens	Percent Of Total	Return	75.0	70.0
Btu/h	Btu/h	Btu/h		Btu/h		Btu/h	Btu/h		Btu/h	Btu/h		Ret/OA	76.6	70.0
<b>Envelope Loads</b>				<b>Envelope Loads</b>								Fn MtrTD	0.1	0.0
Skylite Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn BldTD	0.1	0.0
Skylite Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Fn Frict	0.4	0.0
Roof Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	<b>AIRFLOWS</b>		
Glass Solar	0	0	0	0	0	0	0	0.00	0	0	0.00	Diffuser	272	272
Glass/Door Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Terminal	272	272
Wall Cond	0	0	0	0	0	0	0	0.00	0	0	0.00	Main Fan	272	272
Partition/Door	2,047		2,047	27	2,047	34	2,047	70.98	-1,803	-1,803	70.98	Sec Fan	0	0
Floor	0		0	0	0	0	0	0.00	0	0	0.00	Nom Vent	15	0
Adjacent Floor	0		0	0	0	0	0	0.00	0	0	0.00	AHU Vent	15	0
Infiltration	0		0	0	0	0	0	0.00	0	0	0.00	Infil	0	0
Sub Total ==>	2,047		2,047	27	2,047	34	2,047	70.98	-1,803	-1,803	70.98	MinStop/Rh	0	0
<b>Internal Loads</b>				<b>Internal Loads</b>								Return	272	272
Lights	929	0	929	12	929	15	929	0.00	0	0	0.00	Exhaust	15	0
People	1,323	0	1,323	17	708	12	708	0.00	0	0	0.00	Rm Exh	0	0
Misc	2,391	0	2,391	31	2,391	39	2,391	0.00	0	0	0.00	Auxiliary	0	0
Sub Total ==>	4,642		4,642	61	4,027	66	4,027	0.00	0	0	0.00	Leakage Dwn	0	0
<b>Ceiling Load</b>				<b>Ceiling Load</b>								Leakage Ups	0	0
Ventilation Load	0	0	795	10	0	0	0	0.00	0	0	0.00	<b>ENGINEERING CKS</b>		
Adj Air Trans Heat	0		0	0	0	0	0	0.00	0	0	0.00	% OA	5.5	0.0
Dehumid. Ov Sizing			0	0				0.00	-317	-317	12.49	cfm/ft²	1.85	1.85
Ov/Undr Sizing	0		0	0	0	0	0	0.00	0	0	0.00	cfm/ton	426.27	
Exhaust Heat		0	0	0				0.00	0	0	0.00	ft²/ton	230.70	
Sup. Fan Heat			161	2				0.00	-160	-160	6.28	Btu/hr-ft²	52.01	0.00
Ret. Fan Heat		0	0	0				0.00	-261	-261	10.25			
Duct Heat Pkup		0	0	0				0.00	0	0	0.00	No. People	3.0	20.4/1000 ft²
Underflr Sup Ht Pkup		0	0	0				0.00	0	0	0.00			
Supply Air Leakage		0	0	0				0.00	0	0	0.00			
<b>Grand Total ==&gt;</b>	<b>6,689</b>	<b>0</b>	<b>7,646</b>	<b>100.00</b>	<b>6,074</b>	<b>100.00</b>	<b>6,074</b>	<b>100.00</b>	<b>-2,120</b>	<b>-2,540</b>	<b>100.00</b>			

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	0.6	7.7	6.7	272	76.6	63.5	66.3	54.5	54.0	61.5	Floor	147		0.0	272	68.6	77.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	Part	186		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
<b>Total</b>	<b>0.6</b>	<b>7.7</b>									Roof	0	0	0	0.0	0	0.0
											Wall	0	0	0	0.0	0	0.0
											Ext Door	0	0	0	0.0	0	0.0
														0.0			

# Room Checksums

By Trial

## PB SALA DE JUNTAS

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: 103 / 77 / 96		OADB: 103		OADB: 45			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							
<b>Envelope Loads</b>				<b>Envelope Loads</b>										
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	4,461	0	4,461	13	4,461	Roof Cond	-1,315	11.40						
Glass Solar	1,377	0	1,377	4	1,377	Glass Solar	0	0.00						
Glass/Door Cond	786	0	786	2	786	Glass/Door Cond	-782	6.78						
Wall Cond	11,211	0	11,211	32	11,211	Wall Cond	-4,548	39.45						
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 ==&gt;</i>	17,836	0	17,836	51	17,836	<i>Sub Total ==&gt;</i>	-6,645	57.63						
<b>Internal Loads</b>				<b>Internal Loads</b>										
Lights	2,983	0	2,983	9	2,983	Lights	0	0.00						
People	7,891	0	7,891	23	4,201	People	0	0.00						
Misc	791	0	791	2	791	Misc	0	0.00						
<i>Sub Total ==&gt;</i>	11,665	0	11,665	33	7,975	<i>Sub Total ==&gt;</i>	0	0.00						
<b>Ceiling Load</b>	0	0	0	0	0	<b>Ceiling Load</b>	0	0.00						
<b>Ventilation Load</b>	0	0	4,845	14	0	<b>Ventilation Load</b>	0	0.00						
<b>Adj Air Trans Heat</b>	0	0	0	0	0	<b>Adj Air Trans Heat</b>	0	0						
<b>Dehumid. Ov Sizing</b>			0	0		<b>Ov/Undr Sizing</b>	-2,365	20.51						
<b>Ov/Undr Sizing</b>	0	0	0	0	0	<b>Exhaust Heat</b>	0	0.00						
<b>Exhaust Heat</b>		0	0	0		<b>OA Preheat Diff.</b>		8.30						
<b>Sup. Fan Heat</b>			684	2		<b>RA Preheat Diff.</b>		13.56						
<b>Ret. Fan Heat</b>		0	0	0		<b>Additional Reheat</b>		0.00						
<b>Duct Heat Pkup</b>		0	0	0		<b>System Plenum Heat</b>		0.00						
<b>Underflr Sup Ht Pkup</b>			0	0		<b>Underflr Sup Ht Pkup</b>		0.00						
<b>Supply Air Leakage</b>		0	0	0		<b>Supply Air Leakage</b>		0.00						
<i>Grand Total ==&gt;</i>	29,502	0	35,030	100.00	25,812	<i>Grand Total ==&gt;</i>	-9,010	100.00						

AIRFLOWS		
	Cooling	Heating
<b>Diffuser</b>	1,154	1,154
<b>Terminal</b>	1,154	1,154
<b>Main Fan</b>	1,154	1,154
<b>Sec Fan</b>	0	0
<b>Nom Vent</b>	90	0
<b>AHU Vent</b>	90	0
<b>Infil</b>	0	0
<b>MinStop/Rh</b>	0	0
<b>Return</b>	1,154	1,154
<b>Exhaust</b>	90	0
<b>Rm Exh</b>	0	0
<b>Auxiliary</b>	0	0
<b>Leakage Dwn</b>	0	0
<b>Leakage Ups</b>	0	0

ENGINEERING CKS		
	Cooling	Heating
<b>% OA</b>	7.8	0.0
<b>cfm/ft²</b>	2.39	2.39
<b>cfm/ton</b>	395.35	
<b>ft²/ton</b>	165.57	
<b>Btu/hr-ft²</b>	72.48	0.00
<b>No. People</b>	18.0	37.2/1000 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
<b>Main Clg</b>	2.9	35.0	29.3	1,154	77.2	63.9	67.2	54.5	53.7	60.2
<b>Aux Clg</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Opt Vent</b>	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	2.9	35.0								

AREAS			
	Gross Total	Glass	
		ft²	(%)
<b>Floor</b>	483		
<b>Part</b>	0		
<b>Int Door</b>	0		
<b>ExFlr</b>	0		
<b>Roof</b>	421	0	0
<b>Wall</b>	420	30	7
<b>Ext Door</b>	0	0	0

HEATING COIL SELECTION				
	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
<b>Main Htg</b>	0.0	1,154	68.1	77.0
<b>Aux Htg</b>	0.0	0	0.0	0.0
<b>Preheat</b>	0.0	0	0.0	0.0
<b>Humidif</b>	0.0	0	0.0	0.0
<b>Opt Vent</b>	0.0	0	0.0	0.0
<b>Total</b>	0.0			

# Design Cooling Load Summary

By Trial  
 CECIS UNIDAD CAMPECHE  
 CAMPECHE, CAMPECHE

**System - CAMPECHE CECIS UGAR**  
**Zone - CAMPECHE PLANTA ALTA**

## Coil Location - Zone

Coil Peak Calculation Time: May, hour 15  
 Ambient DB/WB/HR: 106 / 77 / 93

### COOLING COIL LOAD INFORMATION

### COOLING COIL SELECTION

Load Component	Sensible Btu/h	Latent Btu/h	Total Btu/h	Percent of Total
Solar Gain	0		0	0.0%
Glass Transmission	0		0	0.0%
Wall Transmission	14,426		14,426	2.5%
Roof Transmission	156,202		156,202	27.6%
Floor Transmission	0		0	0.0%
Adj Floor Transmission	0		0.00	0.0%
Partition Transmission	25,782		25,782	4.6%
Net Ceiling Load	0		0	0.0%
Lighting	66,684		66,684	11.8%
People	44,691	39,155	83,846	14.8%
Misc. Equipment Loads	144,289	0	144,289	25.5%
Cooling Infiltration	0	0	0	0.0%
<b>Sub-Total ==&gt;</b>	<b>452,074</b>	<b>39,155</b>	<b>491,229</b>	<b>86.8%</b>
Ventilation Load	32,945	19,405	52,350	9.3%
Exhaust Heat	-380	0	-380	-0.1%
Supply Fan Load	11,978		11,978	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	10,696		10,696	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%
<b>Total Cooling Loads</b>	<b>507,313</b>	<b>58,560</b>	<b>565,873</b>	<b>100.0 %</b>

Coil Selection Parameters	
Coil Entering Air (DB / WB)	76.9 / 63.5 °F
Coil Entering Humidity Ratio	66.11 gr/lb
Coil Leaving Air (DB / WB)	54.5 / 54.2 °F
Coil Leaving Humidity Ratio	61.99 gr/lb
Coil Sensible Load	507.31 MBh
Coil Total Load	565.87 MBh
Cooling Supply Air Temperature	55.00 °F
Total Cooling Airflow	20,213.04 cfm
Resulting Room Relative Humidity	50.00 %

### General Engineering Checks

Total Cooling Load	47.2 ton
Area / Load	261.54 ft²/ton
Total Floor Area	12,333 ft²
Cooling Airflow	1.64 cfm/ft²
Airflow / Load	428.64 cfm/ton
Percent Outdoor Air	4.7 %
Cooling Load Methodology	CLTD-CLF (ASHRAE TFM)

# Design Cooling Load Summary

By Trial  
 CECIS UNIDAD CAMPECHE  
 CAMPECHE, CAMPECHE

**System - CAMPECHE CECIS UGAR**

**Zone - CAMPECHE PLANTA BAJA**

## Coil Location - Zone

Coil Peak Calculation Time: May, hour 16  
 Ambient DB/WB/HR: 105 / 77 / 94

### COOLING COIL LOAD INFORMATION

### COOLING COIL SELECTION

Load Component	Sensible Btu/h	Latent Btu/h	Total Btu/h	Percent of Total
Solar Gain	14,935		14,935	4.7%
Glass Transmission	22,436		22,436	7.1%
Wall Transmission	27,207		27,207	8.6%
Roof Transmission	41,048		41,048	13.0%
Floor Transmission	0		0	0.0%
Adj Floor Transmission	0		0.00	0.0%
Partition Transmission	25,518		25,518	8.1%
Net Ceiling Load	0		0	0.0%
Lighting	24,539		24,539	7.7%
People	33,105	29,110	62,215	19.6%
Misc. Equipment Loads	49,295	0	49,295	15.6%
Cooling Infiltration	0	0	0	0.0%
<b>Sub-Total ==&gt;</b>	<b>238,083</b>	<b>29,110</b>	<b>267,193</b>	<b>84.4%</b>
Ventilation Load	24,019	14,835	38,854	12.3%
Exhaust Heat	-313	0	-313	-0.1%
Supply Fan Load	6,323		6,323	2.0%
Return Fan Load	0		0	0.0%
Net Duct Heat Pickup	0		0	0.0%
Wall Load to Plenum	0		0	0.0%
Roof Load to Plenum	0		0	0.0%
Adj Floor to Plenum	0		0	0.0%
Lighting Load to Plenum	4,600		4,600	1.5%
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%
<b>Total Cooling Loads</b>	<b>272,712</b>	<b>43,945</b>	<b>316,657</b>	<b>100.0 %</b>

Coil Selection Parameters	
Coil Entering Air (DB / WB)	77.4 / 63.8 °F
Coil Entering Humidity Ratio	66.72 gr/lb
Coil Leaving Air (DB / WB)	54.5 / 53.9 °F
Coil Leaving Humidity Ratio	60.96 gr/lb
Coil Sensible Load	272.71 MBh
Coil Total Load	316.66 MBh
Cooling Supply Air Temperature	55.00 °F
Total Cooling Airflow	10,670.06 cfm
Resulting Room Relative Humidity	50.00 %

### General Engineering Checks

Total Cooling Load	26.4 ton
Area / Load	179.17 ft <sup>2</sup> /ton
Total Floor Area	4,728 ft <sup>2</sup>
Cooling Airflow	2.26 cfm/ft <sup>2</sup>
Airflow / Load	404.35 cfm/ton
Percent Outdoor Air	6.7 %
Cooling Load Methodology	CLTD-CLF (ASHRAE TFM)



# System Component Selection Summary

By Trial

**Alternative 1**

**System Description: CAMPECHE CECIS UGAR**

System Type: Variable Temperature Constant Volume

Number of Zones: 2

Number of Rooms: 26

Component	Sizing Method	Location	Quantity
<b>Cooling</b>			
Main Clg Coil	Peak	Zone	2
Primary Clg Fan	Peak	Zone	2
<b>Heating</b>			
Main Htg Coil	Peak	Zone	2
<b>Miscellaneous</b>			
System Exhaust Fan	Vent+Inf-RmExh	System	1
Return Fan	Return Airflow	System	1

Coil Location			Cooling Coil Selection											
System	Zone	Room	Component	Time Of Peak Mo/Hr	Total Capacity		Sensible Capacity MBh	Airflow At Coil Peak cfm	Enter DB/ WB/ HR			Leave DB/ WB/ HR		
					ton	MBh			°F	°F	gr/lb	°F	°F	gr/lb
		CAMPECHE PLANTA ALTA	Main Clg Coil	5/15	47.2	565.9	507.3	20,213	76.9	63.5	66.1	54.5	54.2	62.0
		CAMPECHE PLANTA BAJA	Main Clg Coil	5/16	26.4	316.7	272.7	10,670	77.4	63.8	66.7	54.5	53.9	61.0

Coil Location			Heating Coil Selection				
System	Zone	Room	Component	Total Capacity MBh	Airflow cfm	Entering Dry Bulb °F	Leaving Dry Bulb °F
		CAMPECHE PLANTA ALTA	Main Htg Coil	0.0	20,213	68.8	76.5
		CAMPECHE PLANTA BAJA	Main Htg Coil	0.0	10,670	68.3	77.0

Component Location			Miscellaneous Component Selection							
System	Zone	Room	Component	Design Airflow		Outside Air	SADB		Clg VAV	Htg VAV
				cfm	Ach/hr	%	Clg °F	Htg °F	Minimum cfm	Maximum cfm
		CAMPECHE CECIS UGAR	Return Fan	30,883						
		CAMPECHE CECIS UGAR	Optional Vent Fan	1,665		100				
		CAMPECHE CECIS UGAR	System Exhaust Fan	1,665						
		CAMPECHE PLANTA ALTA	Primary Fan	20,213		4.7	55.0			
		PA AREA DE ATENCION AL PUBLICO	Diffuser	9,860	6.8	3.3	55.0	76.0		
		PA AREA DE ATENCION AL PUBLICO PRIVADA	Diffuser	2,431	8.5	5.1	55.0	76.0		
		PA COMEDOR	Diffuser	1,432	9.3	10.5	55.0	76.0		
		PA OFICINA 1	Diffuser	260	8.9	5.8	55.0	76.0		
		PA OFICINA 10	Diffuser	260	8.9	5.8	55.0	76.0		
		PA OFICINA 11	Diffuser	341	11.8	4.4	55.0	76.0		

Project Name: CECIS UNIDAD CAMPECHE  
 Dataset Name: CECIS-CAMPECHE-01 201217.trc

# System Component Selection Summary

By Trial

Component Location			Miscellaneous Component Selection							
System	Zone	Room	Component	Design Airflow		Outside Air %	SADB		Clg VAV Minimum cfm	Htg VAV Maximum cfm
				cfm	Ach/hr		Clg °F	Htg °F		
		PA OFICINA 12	Diffuser	341	11.8	4.4	55.0	76.0		
		PA OFICINA 13	Diffuser	341	11.8	4.4	55.0	76.0		
		PA OFICINA 2	Diffuser	260	8.9	5.8	55.0	76.0		
		PA OFICINA 3	Diffuser	260	8.9	5.8	55.0	76.0		
		PA OFICINA 4	Diffuser	260	8.9	5.8	55.0	76.0		
		PA OFICINA 5	Diffuser	260	8.9	5.8	55.0	76.0		
		PA OFICINA 6	Diffuser	341	11.8	4.4	55.0	76.0		
		PA OFICINA 7	Diffuser	341	11.8	4.4	55.0	76.0		
		PA OFICINA 8	Diffuser	260	8.9	5.8	55.0	76.0		
		PA OFICINA 9	Diffuser	341	11.8	4.4	55.0	76.0		
		PA OFICINA GTE	Diffuser	644	9.4	2.3	55.0	76.0		
		PA SALA DE JUNTAS 1	Diffuser	583	9.8	8.6	55.0	76.0		
		PA SALA DE JUNTAS 2	Diffuser	226	7.8	8.9	55.0	76.0		
		PA SALA DE JUNTAS 3	Diffuser	226	7.8	8.9	55.0	76.0		
		PA SALA DE JUNTAS 4	Diffuser	947	11.7	6.3	55.0	76.0		
		CAMPECHE PLANTA BAJA	Primary Fan	10,670		6.7	55.0			
		PB AREA DE ATENCION AL PUBLICO	Diffuser	8,090	10.6	6.8	55.0	77.0		
		PB COCINETA	Diffuser	620	14.3	6.5	55.0	77.0		
		PB OFICINA 1	Diffuser	535	16.7	2.8	55.0	77.0		
		PB OFICINA 2	Diffuser	272	9.0	5.5	55.0	77.0		
		PB SALA DE JUNTAS	Diffuser	1,154	11.7	7.8	55.0	77.0		

# ZONE PSYCHROMETRIC STATE POINTS

By Trial

## CAMPECHE PLANTA ALTA

	Dry Bulb °F	Wet Bulb °F	Relative Humidity %	Humidity Ratio gr/lb	Enthalpy Btu/lb	Temperature Difference °F
Space	75.0	62.6	50.0	64.7	28.1	
Main System						
Return Fan						0.0
Return Air	75.5	62.7	49.2	64.7	28.2	
Return Air Heat Pickup						0.5
Outdoor Air	106.0	77.1	27.2	93.5	40.2	
Entering OA preconditioning	106.0	77.1	27.2	93.5	40.2	
Leaving OA preconditioning	106.0	77.1	27.2	93.5	40.2	
Return/Outdoor Air Mix	76.9	63.5	47.9	66.1	28.8	
Blow Through Fan						0.0
Entering Coil	76.9	63.5	47.9	66.1	28.8	
Leaving Coil	54.5	52.8	90.1	56.8	21.9	
Draw Through Fan						0.2
Fan Frictional Heat						0.4
Supply Duct Heat Gain						0.0
Reheat Device						0.0
Cold Deck Supply Air	55.0	53.1	88.3	56.8	22.0	
Supply Air	55.0	53.1	88.3	56.8	22.0	
Percent Outside Air	4.72					
Sensible Heat Ratio (SHR)	0.92	%				
Coil Airflow	20,213	cfm				

# ZONE PSYCHROMETRIC STATE POINTS

By Trial

## CAMPECHE PLANTA BAJA

	Dry Bulb °F	Wet Bulb °F	Relative Humidity %	Humidity Ratio gr/lb	Enthalpy Btu/lb	Temperature Difference °F
Space	75.0	62.6	50.0	64.7	28.1	
Main System						
Return Fan						0.0
Return Air	75.4	62.7	49.4	64.7	28.2	
Return Air Heat Pickup						0.4
Outdoor Air	105.4	76.9	27.6	93.5	40.1	
Entering OA preconditioning	105.4	76.9	27.6	93.5	40.1	
Leaving OA preconditioning	105.4	76.9	27.6	93.5	40.1	
Return/Outdoor Air Mix	77.4	63.8	47.5	66.7	29.0	
Blow Through Fan						0.0
Entering Coil	77.4	63.8	47.5	66.7	29.0	
Leaving Coil	54.5	52.9	90.3	57.0	21.9	
Draw Through Fan						0.2
Fan Frictional Heat						0.4
Supply Duct Heat Gain						0.0
Reheat Device						0.0
Cold Deck Supply Air	55.0	53.1	88.5	57.0	22.0	
Supply Air	55.0	53.1	88.5	57.0	22.0	
Percent Outside Air	6.65					
Sensible Heat Ratio (SHR)	0.89	%				
Coil Airflow	10,670	cfm				