Zone Detailed Loads (At Zone Peak Times) (cont'd)

Zone 8-113 Admisión peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 12.7, Construction Type: 1 (Light)

Partition-1-2	12.7		4/8	2.210	112		17.680	225
Partition-2-2	57.6		4/8	2.210	509		17.680	1,018
Lights-Prof=1	127	1.000			127			
Equipment-Prof=1	600	1.000			600	0		
People-Prof=1	2.0	1.000			150	120		
Sub-total					1,498	120		1,243
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,573	126		1,342

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Zone 9-113.1 DispensaciÓn Y Expendio De Medicam peaks (sensible) in December at 7am, Air Handler 1 (Fc), Group 0, 1.0 x 30.9, Construction Type: 1 (Light)

Wall-2-SSE-B-M	19	0.83	6.2	2.000	242		6.000	116
Partition-1-1	30.9		4/8	2.360	292		18.880	583
Partition-3-2	48.8		4/8	2.210	431		17.680	863
Gls-SSE-1-90-Tran	5.0	1.000	-4	5.700	-117		17.400	88
0%S-0-WS-Solar	5.0	0.700	532	0.765	1,436			
Lights-Prof=1	309	1.000			309			
Equipment-Prof=1	600	1.000			600	0		
People-Prof=1	3.0	1.000			240	240		
Sub-total					3,433	240		1,650
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					3,604	252		1,782

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ING. MECANICO-ELECTRICISTA
REG. CIP N° 03103

Zone 10-114 Topico De Intectables peaks (sensible) in January at 5pm, Air Handler 1 (Fc), Group 0, 1.0 x 21.8, Construction Type: 1 (Light)

Wall-2-WSW-B-M	9	0.83	6.0	2.000	113		6.000	57
Partition-1-2	21.8		4/8	2.210	193		17.680	385
Partition-3-2	63.2		4/8	2.210	559		17.680	1,117
Gls-WSW-1-90-Tran	2.5	1.000	6	5.700	79		17.400	44
0%S-0-WS-Solar	2.5	0.700	690	0.839	1,021			
Lights-Prof=1	218	1.000			218			
Equipment-Prof=1	450	1.000			450	0		
People-Prof=1	3.0	1.000			240	240		
Sub-total					2,873	240		1,604
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					3,016	252		1,732

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C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

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Ingeniero Mecánico
Reg. CIP 29863

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Zone 11-115 Topico Cirugia peaks (sensible) in January at 5pm, Air Handler 1 (Fc), Group 0, 1.0 x 17.3, Construction Type: 1 (Light)

Wall-2-WSW-B-M	6	0.83	6.0	2.000	74		6.000	37
Partition-1-2	17.3		4/8	2.210	153		17.680	306
Partition-3-2	58.4		4/8	2.210	516		17.680	1,033
Gls-WSW-1-90-Tran	1.8	1.000	6	5.700	57		17.400	31
0%S-0-WS-Solar	1.8	0.700	690	0.839	729			
Lights-Prof=1	173	1.000			173			
Equipment-Prof=1	450	1.000			450	0		

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JEFE DE PROYECTO
C.I.P. N° 61776

Zone Detailed Loads (At Zone Peak Times) (cont'd)

Load Description	Unit Quan	-SC- CFAC	CLTD SHGF	U.Fac -CLF-	Sen. Gain	Lat. Gain	Htg. Mult.	Htg. Loss
People-Prof=1	3.0	1.000			240	240		
Sub-total					2,392	240		1,407
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,512	252		1,519

Zone 12-116 Sala De Rehidratación peaks (sensible) in April at 9am, Air Handler 1 (Fc), Group 0, 1.0 x 15.3, Construction Type: 1 (Light)

Wall-2-ENE-B-M	11	0.83	5.6	2.000	123		6.000	67
Partition-1-2	15.3		4/8	2.210	135		17.680	271
Partition-3-2	48.8		4/8	2.210	431		17.680	863
Gls-ENE-1-90-Tran	2.9	1.000	0	5.700	-1		17.400	50
0%S-0-WS-Solar	2.9	0.700	647	0.798	1,041			
Lights-Prof=1	153	1.000			153			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	3.0	1.000			240	240		
Sub-total					2,423	240		1,250
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,544	252		1,350

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Zone 13-117 Topico Medicina peaks (sensible) in April at 9am, Air Handler 1 (Fc), Group 0, 1.0 x 16.1, Construction Type: 1 (Light)

Wall-2-ENE-B-M	12	0.83	5.6	2.000	132		6.000	72
Partition-1-2	16.1		4/8	2.210	142		17.680	285
Partition-3-2	49.6		4/8	2.210	438		17.680	877
Gls-ENE-1-90-Tran	2.9	1.000	0	5.700	-1		17.400	50
0%S-0-WS-Solar	2.9	0.700	647	0.798	1,041			
Lights-Prof=1	161	1.000			161			
Equipment-Prof=1	450	1.000			450	0		
People-Prof=1	3.0	1.000			240	240		
Sub-total					2,604	240		1,283
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,734	252		1,386

MANUEL DONATO GARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 69138

Nestor Enrique Ruiz
Ingeniero Mecánico
Reg. CIP 29863

Zone 14-118 Sala De Espera Para Reevaluación peaks (sensible) in April at 9am, Air Handler 1 (Fc), Group 0, 1.0 x 62.1, Construction Type: 1 (Light)

Wall-2-ENE-B-M	18	0.83	5.6	2.000	202		6.000	109
Partition-1-2	62.1		4/8	2.210	549		17.680	1,098
Partition-3-2	154		4/8	2.210	1,361		17.680	2,723
Gls-ENE-1-90-Tran	1.4	1.000	0	5.700	-1		17.400	25
0%S-0-WS-Solar	1.4	0.700	647	0.798	521			
Lights-Prof=1	621	1.000			621			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	9.0	1.000			630	405		
Sub-total					4,183	405		3,955

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CONSORCIO CONSULTOR SAUL GARRIDO
C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

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EDWARD CERON TORRES
JEFE DE PROYECTO
C.I.P. N° 61778

Zone Detailed Loads (At Zone Peak Times) (cont'd)

Load Description	Unit Quan	-SC- CFAC	CLTD SHGF	U.Fac -CLF-	Sen. Gain	Lat. Gain	Htg. Mult.	Htg. Loss
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					4,392	425		4,271

Zone 15-119 Topico Pediatria peaks (sensible) in April at 9am, Air Handler 1 (Fc), Group 0, 1.0 x 16.4, Construction Type: 1 (Light)

Wall-2-ENE-B-M	15	0.83	5.6	2.000	163		6.000	88
Partition-1-2	16.4		4/8	2.210	145		17.680	290
Partition-3-2	47.6		4/8	2.210	421		17.680	842
Gls-ENE-1-90-Tran	2.9	1.000	0	5.700	-1		17.400	50
0%S-0-WS-Solar	2.9	0.700	647	0.798	1,041			
Lights-Prof=1	164	1.000			164			
Equipment-Prof=1	450	1.000			450	0		
People-Prof=1	3.0	1.000			240	240		
Sub-total					2,623	240		1,270
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,754	252		1,372

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Zone 16-120 Terapia Medios Fisicos peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 5.0, Construction Type: 1 (Light)

Partition-1-2	5		4/8	2.210	44		17.680	88
Partition-2-1	36.4		4/8	2.360	344		18.880	687
Lights-Prof=1	50	1.000			50			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	2.0	1.000			160	160		
Sub-total					898	160		776
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					943	168		838

MANUEL DONATO GARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 69138

Zone 17-121 Topico Gineco Obstetricia peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 15.9, Construction Type: 1 (Light)

Partition-1-2	15.9		4/8	2.210	141		17.680	281
Partition-2-2	64		4/8	2.210	566		17.680	1,132
Lights-Prof=1	159	1.000			159			
Equipment-Prof=1	450	1.000			450	0		
People-Prof=1	3.0	1.000			240	240		
Sub-total					1,555	240		1,413
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,633	252		1,526

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C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

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Nestor Enrique Ruiz R.
Ingeniero Mecánico
Reg. CIP 29866

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Zone 18-126 Policia Nacional peaks (sensible) in May at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 11.7, Construction Type: 1 (Light)

Wall-2-NNW-B-M	16	0.83	10.2	2.000	336		6.000	98
Partition-1-2	11.7		4/8	2.210	103		17.680	207

EDWARD CERQUIN TORRES
JEFE DE PROYECTO
C.I.P. N° 61778

Zone Detailed Loads (At Zone Peak Times) (cont'd)

Load Description	Unit Quan	-SC- CFAC	CLTD SHGF	U.Fac -CLF-	Sen. Gain	Lat. Gain	Htg. Mult.	Htg. Loss
Partition-3-1	40.8		4/8	2.360	385		18.880	770
Lights-Prof=1	117	1.000			117			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	3.0	1.000			225	180		
Sub-total					1,467	180		1,076
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,540	189		1,162

Zone 19-128 Uvi peaks (sensible) in December at 7pm, Air Handler 2 (Uma-n1-obs), Group 0, 1.0 x 23.8, Construction Type: 1 (Light)

Partition-1-2	23.8		4/8	2.210	210		17.680	421
Partition-2-1	78.8		4/8	2.360	744		18.880	1,488
Lights-Prof=1	238	1.000			238			
Equipment-Prof=1	600	1.000			600	0		
People-Prof=1	2.0	1.000			160	140		
Sub-total					1,952	140		1,909
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,050	147		2,061

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CAP. 5776
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Zone 20-130 Almacen Medicamento peaks (sensible) in January at 5pm, Air Handler 10 (Dx), Group 0, 1.0 x 12.3, Construction Type: 1 (Light)

Wall-2-WSW-B-M	9	0.83	9.0	2.000	162		6.000	54
Partition-1-2	12.3		4/8	2.210	109		17.680	217
Partition-3-2	46.4		4/8	2.210	410		17.680	820
Gls-WSW-1-90-Tran	2.2	1.000	9	5.700	105		17.400	38
0%S-0-WS-Solar	2.2	0.700	690	0.839	875			
Lights-Prof=1	123	1.000			123			
Equipment-Prof=1	600	1.000			600	0		
People-Prof=1	1.0	1.000			70	45		
Sub-total					2,454	45		1,130
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,577	47		1,220

MANUEL DONATO GARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 69133

Nestor Enrique Ruiz R.
Ingeniero Mecánico
Reg. CIP 29866

Zone 21-131 Laboratorio Descentralizo peaks (sensible) in January at 5pm, Air Handler 3 (Uma-n1-laboratorio), Group 0, 1.0 x 12.5, Construction Type: 1 (Light)

Wall-2-WSW-B-M	9	0.83	6.0	2.000	108		8.000	72
Partition-1-2	12.5		4/8	2.210	111		17.680	221
Partition-3-2	46.8		4/8	2.210	414		17.680	827
Gls-WSW-1-90-Tran	2.2	1.000	6	5.700	68		23.200	50
0%S-0-WS-Solar	2.2	0.700	690	0.839	875			
Lights-Prof=1	125	1.000			125			
Equipment-Prof=1	800	1.000			800	0		
People-Prof=1	3.0	1.000			225	135		
Sub-total					2,725	135		1,171

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CONSORCIO CONSULTOR SAUL GARRIDO
C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMUN
DNI Nº 21546425

EDWARD CERON TORRES
JEFE DE PROYECTO
C.I.P. N° 61778

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Zone Detailed Loads (At Zone Peak Times) (cont'd)

Load Description	Unit Quan	-SC- CFAC	CLTD SHGF	U.Fac -CLF-	Sen. Gain	Lat. Gain	Htg. Mult.	Htg. Loss
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,861	142		1,265

Zone 22-132 Cuarto Técnico peaks (sensible) in January at 7pm, Air Handler 10 (Dx), Group 0, 1.0 x 9.4, Construction Type: 1 (Light)

Wall-2-WSW-B-M	8	0.83	10.6	2.000	179		6.000	50
Partition-1-1	9.4		4/8	2.360	89		18.880	177
Partition-3-1	44		4/8	2.360	415		18.880	831
Lights-Prof=1	94	1.000			94			
Equipment-Prof=1	1,500	1.000			1,500	0		
People-Prof=1	0.9	1.000			75	75		
Sub-total					2,352	75		
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,470	79		1,143

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Zone 23-134 Estar De Perosnal De Guardia peaks (sensible) in January at 5pm, Air Handler 1 (Fc), Group 0, 1.0 x 15.3, Construction Type: 1 (Light)

Wall-2-WSW-B-M	10	0.83	6.0	2.000	118		6.000	59
Partition-1-2	15.3		4/8	2.210	135		17.680	271
Partition-3-1	51.2		4/8	2.360	483		18.880	967
Gls-WSW-1-90-Tran	2.2	1.000	6	5.700	68		17.400	38
0%S-0-WS-Solar	2.2	0.700	690	0.839	875			
Lights-Prof=1	153	1.000			153			
Equipment-Prof=1	200	1.000			200	0		
People-Prof=1	6.0	1.000			420	270		
Sub-total					2,452	270		1,334
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,575	284		1,440

Nestor Enrique Ruiz P.
Ingeniero Mecánico
Reg. CIP 29866

MANUEL DONATO GARCÍA JAVE
ING. MECÁNICO-ELECTRICISTA
REG. CIP N° 83103

Zone 24-142 Secretaria peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 10.7, Construction Type: 1 (Light)

Partition-1-2	10.7		4/8	2.210	95		17.680	189
Partition-2-1	54.8		4/8	2.360	517		18.880	1,035
Lights-Prof=1	107	1.000			107			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	3.0	1.000			225	180		
Sub-total					1,244	180		1,224
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,306	189		1,322

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CONSORCIO CONSULTOR SAUL GARRIDO
C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

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Zone 25-143 Jefatura peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 12.7, Construction Type: 1 (Light)

Partition-1-2	12.7		4/8	2.210	112		17.680	225

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C.I.P. N°

004961

Zone Detailed Loads (At Zone Peak Times) (cont'd)

Load Description	Unit Quan	-SC- CFAC	CLTD SHGF	U.Fac -CLF-	Sen. Gain	Lat. Gain	Htg. Mult.	Htg. Loss
Partition-2-1	58.4		4/8	2.360	551		18.880	1,103
Lights-Prof=1	127	1.000			127			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	3.0	1.000			225	180		
Sub-total					1,316	180		1,337
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,381	189		1,433

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CAP. 5776
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Zone 26-144 Sala De Observacion Mujeres peaks (sensible) in April at 9am, Air Handler 2 (Uma-n1-obs), Group 0, 1.0 x 150.6, Construction Type: 1 (Light)

Wall-2-ENE-B-M	28	0.83	5.6	2.000	312		8.000	225
Partition-1-2	150.6		4/8	2.210	1,331		17.680	2,663
Partition-3-2	225.6		4/8	2.210	1,994		17.680	3,989
Gls-ENE-1-90-Tran	5.9	1.000	0	5.700	-3		23.200	136
0%S-0-WS-Solar	5.9	0.700	647	0.798	2,126			
Lights-Prof=1	1,506	1.000			1,506			
Equipment-Prof=1	1,500	1.000			1,500	0		
People-Prof=1	8.0	1.000			640	640		
Sub-total					9,407	640		7,013
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					9,877	672		7,574

MANUEL DONATO GARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 53103

Zone 27-147 Sala De Observacion Hombres peaks (sensible) in December at 7pm, Air Handler 2 (Uma-n1-obs), Group 0, 1.0 x 75.7, Construction Type: 1 (Light)

Partition-1-2	75.7		4/8	2.210	669		17.680	1,338
Partition-2-1	151.2		4/8	2.360	1,427		18.880	2,855
Lights-Prof=1	757	1.000			757			
Equipment-Prof=1	1,500	1.000			1,500	0		
People-Prof=1	5.0	1.000			400	400		
Sub-total					4,754	400		4,193
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					4,991	420		4,528

Nestor Enrique Ruiz
Ingeniero Mecánico
Reg. CIP 29866

Zone 28-148 Sala De Observación Pediatria peaks (sensible) in April at 9am, Air Handler 2 (Uma-n1-obs), Group 0, 1.0 x 42.6, Construction Type: 1 (Light)

Wall-2-ENE-B-M	20	0.83	5.6	2.000	224		8.000	161
Partition-1-2	42.6		4/8	2.210	377		17.680	753
Partition-3-2	83.6		4/8	2.210	739		17.680	1,478
Gls-ENE-1-90-Tran	5.0	1.000	0	5.700	-3		23.200	117
0%S-0-WS-Solar	5.0	0.700	647	0.798	1,822			
Lights-Prof=1	426	1.000			426			
Equipment-Prof=1	900	1.000			900	0		
People-Prof=1	3.0	1.000			240	240		
Sub-total					4,725	240		2,509

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CONSORCIO CONSULTOR SAUL GARRIDO
C.P.C. MARÍA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

CONFORME

EDWARD GERON TORRES
JEFE DE PROYECTO
C.I.P. N° 61778

Zone Detailed Loads (At Zone Peak Times) (cont'd)

Load Description	Unit Quan	-SC- CFAC	CLTD SHGF	U.Fac -CLF-	Sen. Gain	Lat. Gain	Htg. Mult.	Htg. Loss
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					4,961	252		2,710

Zone 29-150 Esclusa peaks (sensible) in December at 7pm, Air Handler 4 (Uma-n1-aisl.obse), Group 0, 1.0 x 6.7, Construction Type: 1 (Light)

Partition-1-2	6.7		4/8	2.210	59		17.680	118
Partition-2-1	41.2		4/8	2.360	389		18.880	778
Lights-Prof=1	67	1.000			67			
Equipment-Prof=1	100	1.000			100	0		
People-Prof=1	1.0	1.000			80	80		
Sub-total					695	80		896
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					730	84		968

ARQ. DAVID HECTOR TORRES PUENTE
CAP. 5776
JEFE DE SUPERVISIÓN

Zone 30-151 Sala De Observación Aislado peaks (sensible) in December at 7pm, Air Handler 4 (Uma-n1-aisl.obse), Group 0, 1.0 x 17.9, Construction Type: 1 (Light)

Partition-1-2	17.9		4/8	2.210	158		17.680	316
Partition-2-1	68.8		4/8	2.360	649		18.880	1,299
Lights-Prof=1	179	1.000			179			
Equipment-Prof=1	450	1.000			450	0		
People-Prof=1	2.0	1.000			150	150		
Sub-total					1,587	150		1,615
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,666	158		1,745

MANUEL DONATO GARCIA JAVE
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Zone 31-158 Oficina Coe peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 12.5, Construction Type: 1 (Light)

Partition-1-2	12.5		4/8	2.210	111		17.680	221
Partition-2-1	57.2		4/8	2.360	540		18.880	1,080
Lights-Prof=1	125	1.000			125			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	3.0	1.000			225	180		
Sub-total					1,300	180		1,301
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,365	189		1,405

Nestor Enrique Ruiz R.
Ingeniero Mecánico
Reg. CIP 29866

GOBIERNO REGIONAL

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C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

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Zone 32-161 Cocina Comedor peaks (sensible) in December at 7am, Air Handler 1 (Fc), Group 0, 1.0 x 49.0, Construction Type: 1 (Light)

Wall-2-SSE-B-M	14	0.83	6.2	2.000	179		6.000	86
Partition-1-2	49		4/8	2.210	433		17.680	866
Partition-3-2	165.2		4/8	2.210	1,460		17.680	2,921
Gls-SSE-1-90-Tran	2.9	1.000	-4	5.700	-67		17.400	50
0%S-0-WS-Solar	2.9	0.700	532	0.765	821			

EDWARD CERON TORRES
JEFE DE PROYECTO
C.I.P. N° 61778

Zone Detailed Loads (At Zone Peak Times) (cont'd)

Load Description	Unit Quan	-SC- CFAC	CLTD SHGF	U.Fac -CLF-	Sen. Gain	Lat. Gain	Htg. Mult.	Htg. Loss
Lights-Prof=1	490	1.000			490			
Equipment-Prof=1	1,470	1.000			1,470	0		
People-Prof=1	4.9	1.000			392	392		
Sub-total					5,178	392		3,923
Safety factors:					+5%	+5%		+8%
					---	---		---
Total w/ safety factors:					5,437	412		4,237

Zone 33-165 Habitación Gestante Adolescente peaks (sensible) in January at 5pm, Air Handler 1 (Fc), Group 0, 1.0 x 14.7, Construction Type: 1 (Light)

Wall-2-WSW-B-M	9	0.83	6.0	2.000	109		6.000	54
Partition-1-2	14.7		4/8	2.210	130		17.680	260
Partition-3-2	52		4/8	2.210	460		17.680	919
Gls-WSW-1-90-Tran	2.5	1.000	6	5.700	79		17.400	44
0%S-0-WS-Solar	2.5	0.700	690	0.839	1,021			
Lights-Prof=1	147	1.000			147			
Equipment-Prof=1	200	1.000			200	0		
People-Prof=1	2.0	1.000			160	160		
Sub-total					2,305	160		1,278
Safety factors:					+5%	+5%		+8%
					---	---		---
Total w/ safety factors:					2,420	168		1,380

ARQ. DAVID HECTOR TORRES PUENTE
CAP. 576
JEFE DE SUPERVISIÓN

MANUEL DONATO GARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 69103

Zone 34-166 Habotación Gestante Sola peaks (sensible) in December at 7am, Air Handler 1 (Fc), Group 0, 1.0 x 10.7, Construction Type: 1 (Light)

Wall-2-SSE-B-M	10	0.83	6.2	2.000	128		6.000	62
Partition-1-2	10.7		4/8	2.210	95		17.680	189
Partition-3-2	9.9		4/8	2.210	88		17.680	175
Gls-SSE-1-90-Tran	2.5	1.000	-4	5.700	-59		17.400	44
0%S-0-WS-Solar	2.5	0.700	532	0.765	718			
Lights-Prof=1	107	1.000			107			
Equipment-Prof=1	200	1.000			200	0		
People-Prof=1	1.0	1.000			80	80		
Sub-total					1,357	80		470
Safety factors:					+5%	+5%		+8%
					---	---		---
Total w/ safety factors:					1,425	84		507

Nestor Enrique Ruiz R.
Ingeniero Mecánico
Reg. CIP 29886

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C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

CONFORME

Zone 35-169 Habitacupin Gestante Con Pareja peaks (sensible) in January at 5pm, Air Handler 1 (Fc), Group 0, 1.0 x 15.5, Construction Type: 1 (Light)

Wall-2-WSW-B-M	11	0.83	6.0	2.000	133		6.000	66
Wall-3-SSE-B-M	18	0.83	9.0	2.000	324		6.000	108
Partition-1-2	15.5		4/8	2.210	137		17.680	274
Partition-4-2	32		4/8	2.210	283		17.680	566
Gls-WSW-1-90-Tran	2.5	1.000	6	5.700	79		17.400	44
0%S-0-WS-Solar	2.5	0.700	690	0.839	1,021			
Lights-Prof=1	155	1.000			155			
Equipment-Prof=1	200	1.000			200	0		
People-Prof=1	2.0	1.000			160	160		

EDWARD GERON TORRES
JEFE DE PROYECTO
C.I.P. N° 61778

Zone Detailed Loads (At Zone Peak Times) (cont'd)

Load Description	Unit Quan	-SC- CFAC	CLTD SHGF	U.Fac -CLF-	Sen. Gain	Lat. Gain	Htg. Mult.	Htg. Loss
Sub-total					2,491	160		1,058
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,616	168		1,143

Zone 36-170 Gimnasio Para Adultos Y Niños peaks (sensible) in May at 3pm, Air Handler 1 (Fc), Group 0, 1.0 x 50.4, Construction Type: 1 (Light)

Wall-2-NNW-B-M	33	0.83	6.9	2.000	462		6.000	200
Partition-1-2	50.4		4/8	2.210	446		17.680	891
Partition-3-1	80.4		4/8	2.360	759		18.880	1,518
Gls-NNW-1-90-Tran	4.6	1.000	6	5.700	166		17.400	80
0%S-0-WS-Solar	4.6	0.700	481	0.787	1,224			
Lights-Prof=1	504	1.000			504			
Equipment-Prof=1	600	1.000			600	0		
People-Prof=1	8.0	1.000			1,680	2,560		
Sub-total					5,841	2,560		2,690
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					6,133	2,688		2,905

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CAP. 5776
JEFE DE SUPERVISIÓN

Zone 37-179 Jefatura peaks (sensible) in May at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 15.9, Construction Type: 1 (Light)

Wall-2-NNW-B-M	12	0.83	10.2	2.000	246		6.000	72
Partition-1-2	15.9		4/8	2.210	141		17.680	281
Partition-3-2	54.4		4/8	2.210	481		17.680	962
Lights-Prof=1	159	1.000			159			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	3.0	1.000			225	180		
Sub-total					1,551	180		1,315
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,629	189		1,420

GOBIERNO REGIONAL SUBGERENCIA DE ESTUDIOS

MANUEL DONATO GARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 00153

Nestor Enrique Ruiz R.
Ingeniero Mecánico
Reg. CIP 29866

Zone 38-180 Sala De Espera peaks (sensible) in May at 2pm, Air Handler 1 (Fc), Group 0, 1.0 x 56.4, Construction Type: 1 (Light)

Wall-2-NNW-B-M	20	0.83	6.1	2.000	244		6.000	120
Partition-1-2	56.4		4/8	2.210	499		17.680	997
Partition-3-1	54.4		4/8	2.360	514		18.880	1,027
Gls-NNW-1-90-Tran	4.8	1.000	5	5.700	144		17.400	83
0%S-0-WS-Solar	4.8	0.700	481	0.833	1,335			
Lights-Prof=1	564	1.000			564			
Equipment-Prof=1	200	1.000			200	0		
People-Prof=1	18.0	1.000			1,350	810		
Sub-total					4,850	810		2,227
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					5,092	850		2,405

CONFORME

CONSORCIO CONSULTOR SAUL GARRIDO
C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

JEFE DE PROYECTO
C.I.P. N° 61778

Zone Detailed Loads (At Zone Peak Times) (cont'd)

Load Description	Unit Quan	-SC- CFAC	CLTD SHGF	U.Fac -CLF-	Sen. Gain	Lat. Gain	Htg. Mult.	Htg. Loss
Zone 39-187 Sala De Fisioterapia peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 33.6, Construction Type: 1 (Light)								
Partition-1-2	33.6		4/8	2.210	297		17.680	594
Partition-2-2	96.8		4/8	2.210	856		17.680	1,711
Lights-Prof=1	336	1.000			336			
Equipment-Prof=1	600	1.000			600	0		
People-Prof=1	3.4	1.000			269	269		
Sub-total					2,358	269		2,305
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,475	282		2,490
Zone 40-188 Hidroterapia Medios Superiores peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 19.1, Construction Type: 1 (Light)								
Partition-1-1	76.4		4/8	2.360	721		18.880	1,442
Partition-2-2	70		4/8	2.210	619		17.680	1,238
Lights-Prof=1	191	1.000			191			
Equipment-Prof=1	450	1.000			450	0		
People-Prof=1	2.0	1.000			160	160		
Sub-total					2,141	160		2,680
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,248	168		2,894
Zone 41-192 Historias Clinicas peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 29.3, Construction Type: 1 (Light)								
Partition-1-2	29.3		4/8	2.210	259		17.680	518
Partition-2-2	92.4		4/8	2.210	817		17.680	1,634
Lights-Prof=1	293	1.000			293			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	1.0	1.000			75	60		
Sub-total					1,744	60		2,152
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,831	63		2,324
Zone 42-193 Caja peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 6.5, Construction Type: 1 (Light)								
Partition-1-2	6.5		4/8	2.210	57		17.680	115
Partition-2-1	42		4/8	2.360	396		18.880	793
Lights-Prof=1	65	1.000			65			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	1.0	1.000			75	60		
Sub-total					894	60		908
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					939	63		981

ARQ. DAVID NESTOR TORRES PUENTE
CAP. 5776
JEFE DE SUPERVISIÓN

CONFORME

Nestor Enrique Ruiz R.
Ingeniero Mecánico
Reg. CIP 29866

MANUEL DONATO CARETA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 59138

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CONSORCIO CONSULTOR SAUL GARRIDO
C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMUN
DNI Nº 21546425

EDWARD CARLOS TORRES
JEFE DE PROYECTO
C.I.P. N° 61778

Zone Detailed Loads (At Zone Peak Times) (cont'd)

Load Description	Unit Quan	-SC- CFAC	CLTD SHGF	U.Fac -CLF-	Sen. Gain	Lat. Gain	Htg. Mult.	Htg. Loss
Zone 43-194 Admisión Y Citas peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 14.2, Construction Type: 1 (Light)								
Partition-1-2	14.2		4/8	2.210	126		17.680	251
Partition-2-2	63.6		4/8	2.210	562		17.680	1,124
Lights-Prof=1	142	1.000			142			
Equipment-Prof=1	600	1.000			600	0		
People-Prof=1	2.0	1.000			150	120		
Sub-total					1,580	120		1,376
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,659	126		1,486
Zone 44-196 Central De Vigilancia Y Seguridad peaks (sensible) in December at 7am, Air Handler 1 (Fc), Group 0, 1.0 x 19.4, Construction Type: 1 (Light)								
Wall-2-SSE-B-M	9	0.83	6.2	2.000	108		6.000	52
Partition-1-2	19.4		4/8	2.210	171		17.680	343
Partition-3-2	67.2		4/8	2.210	594		17.680	1,188
Gls-SSE-1-90-Tran	2.5	1.000	-4	5.700	-59		17.400	44
0%S-0-WS-Solar	2.5	0.700	532	0.765	718			
Lights-Prof=1	194	1.000			194			
Equipment-Prof=1	582	1.000			582	0		
People-Prof=1	4.0	1.000			300	240		
Sub-total					2,609	240		1,627
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,740	252		1,757
Zone 45-197 Sala De Telecom Iii peaks (sensible) in January at 7pm, Air Handler 10 (Dx), Group 0, 1.0 x 12.9, Construction Type: 1 (Light)								
Wall-2-SSE-B-M	13	0.83	12.0	2.000	307		6.000	77
Partition-1-2	12.9		4/8	2.210	114		17.680	228
Partition-3-2	45.2		4/8	2.210	400		17.680	799
Lights-Prof=1	129	1.000			129			
Equipment-Prof=1	1,500	1.000			1,500	0		
People-Prof=1	1.0	1.000			80	80		
Sub-total					2,530	80		1,104
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,656	84		1,192
Zone 46-198 Almacen Especializado peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 51.2, Construction Type: 1 (Light)								
Partition-1-2	51.2		4/8	2.210	453		17.680	905
Partition-2-2	120		4/8	2.210	1,061		17.680	2,122
Lights-Prof=1	512	1.000			512			
Equipment-Prof=1	300	1.000			300	0		

ARQ. DAVID HECTOR TORRES PUENTE
CAP. 5776
JEFE DE SUPERVISIÓN

Nestor Enrique Ruiz
Ingeniero Mecánico
Reg. CIP 29866

MANUEL DONATO GARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 69138

CONFORME

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C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

ARQ. DAVID HECTOR TORRES
JEFE DE PROYECTO
C.I.P. N° 61778

Zone Detailed Loads (At Zone Peak Times) (cont'd)

Load Description	Unit Quan	-SC- CFAC	CLTD SHGF	U.Fac -CLF-	Sen. Gain	Lat. Gain	Htg. Mult.	Htg. Loss
People-Prof=1	3.0	1.000			225	180		
Sub-total					2,550	180		3,027
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,678	189		3,269

Zone 47-199 Dispensacion Y Expendio peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 40.5, Construction Type: 1 (Light)

Partition-1-2	40.5		4/8	2.210	358		17.680	716
Partition-2-1	103.2		4/8	2.360	974		18.880	1,948
Lights-Prof=1	405	1.000			405			
Equipment-Prof=1	600	1.000			600	0		
People-Prof=1	3.0	1.000			225	180		
Sub-total					2,562	180		2,664
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,690	189		2,878

ARQ. DAVID HECTOR TORRES PUENTE
CAP. 5776
JEFE DE SUPERVISIÓN

Zone 48-1100 Farmacovig Y Tecnovigi peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 22.8, Construction Type: 1 (Light)

Partition-1-2	22.8		4/8	2.210	202		17.680	403
Partition-2-2	77.2		4/8	2.210	682		17.680	1,365
Lights-Prof=1	228	1.000			228			
Equipment-Prof=1	600	1.000			600	0		
People-Prof=1	6.0	1.000			450	360		
Sub-total					2,162	360		1,768
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,270	378		1,909

MANUEL DONATO GARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 69158

CONFORME

Zone 49-1101 Gestion De Programación peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 13.0, Construction Type: 1 (Light)

Partition-1-2	13		4/8	2.210	115		17.680	230
Partition-2-2	59.2		4/8	2.210	523		17.680	1,047
Lights-Prof=1	130	1.000			130			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	3.0	1.000			225	180		
Sub-total					1,293	180		1,276
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,358	189		1,379

Nestor Enrique Ruiz F.
Ingeniero Mecánico
Reg. CIP 29866

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CONSORCIO CONSULTOR SAUL GARRIDO
C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

Zone 50-1104 Jefatura Secretaria peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 16.8, Construction Type: 1 (Light)

Partition-1-2	16.8		4/8	2.210	149		17.680	297
Partition-2-1	68		4/8	2.360	642		18.880	1,284

EDWARD CERVANTES TORRES
JEFE DE PROYECTO
CIP. N° 61778

Zone Detailed Loads (At Zone Peak Times) (cont'd)

Load Description	Unit Quan	-SC- CFAC	CLTD SHGF	U.Fac -CLF-	Sen. Gain	Lat. Gain	Htg. Mult.	Htg. Loss
Lights-Prof=1	168	1.000			168			
Equipment-Prof=1	600	1.000			600	0		
People-Prof=1	6.0	1.000			450	360		
Sub-total					2,008	360		1,581
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,109	378		1,707

ARQ. DAVID HECTOR TORRES PUENTE
CAP. 5776
JEFE DE SUPERVISIÓN

Zone 51-1107 Dosis Unitaria peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 28.2, Construction Type: 1 (Light)

Partition-1-2	28.2		4/8	2.210	249		17.680	499
Partition-2-2	88.4		4/8	2.210	781		17.680	1,563
Lights-Prof=1	282	1.000			282			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	7.0	1.000			525	420		
Sub-total					2,138	420		2,061
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,245	441		2,226

Zone 52-1108 Jefatura Secretaria peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 15.3, Construction Type: 1 (Light)

Partition-1-2	15.3		4/8	2.210	135		17.680	271
Partition-2-2	66.8		4/8	2.210	591		17.680	1,181
Lights-Prof=1	153	1.000			153			
Equipment-Prof=1	600	1.000			600	0		
People-Prof=1	6.0	1.000			450	360		
Sub-total					1,929	360		1,452
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,025	378		1,568

CONFORME

MANUEL DONATO GARCIA DAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 59138

Nestor Enrique Ruiz F.
Ingeniero Mecánico
Reg. CIP 29866

Zone 53-1109 Sala De Ecografia General peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 17.0, Construction Type: 1 (Light)

Partition-1-2	17		4/8	2.210	150		17.680	301
Partition-2-2	68		4/8	2.210	601		17.680	1,202
Lights-Prof=1	170	1.000			170			
Equipment-Prof=1	600	1.000			600	0		
People-Prof=1	3.0	1.000			240	240		
Sub-total					1,761	240		1,503
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,849	252		1,623

GOBIERNO REGIONAL
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CONSORCIO CONSULTOR SAUL GARRIDO
C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

Zone 54-1113 Sala De Impresió peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 22.0, Construction Type: 1 (Light)

EDUARD GERON TORRES
JEFE DE PROYECTO
C.I.P. N° 61778

004953

Zone Detailed Loads (At Zone Peak Times) (cont'd)

Load Description	Unit Quan	-SC- CFAC	CLTD SHGF	U.Fac -CLF-	Sen. Gain	Lat. Gain	Htg. Mult.	Htg. Loss
Partition-1-2	22		4/8	2.210	194		17.680	389
Partition-2-2	85.2		4/8	2.210	753		17.680	1,506
Lights-Prof=1	220	1.000			220			
Equipment-Prof=1	900	1.000			900	0		
People-Prof=1	3.0	1.000			225	180		
Sub-total					2,293	180		1,895
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,407	189		2,047

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Zone 55-1114 Comando peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 6.0, Construction Type: 1 (Light)

Partition-1-2	6		4/8	2.210	53		17.680	106
Partition-2-2	40.4		4/8	2.210	357		17.680	714
Lights-Prof=1	60	1.000			60			
Equipment-Prof=1	600	1.000			600	0		
People-Prof=1	1.0	1.000			75	60		
Sub-total					1,145	60		820
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,202	63		886

Zone 56-1115 Sala De Radiologia Convencional peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 19.5, Construction Type: 1 (Light)

Partition-1-2	19.5		4/8	2.210	172		17.680	345
Partition-2-2	71.6		4/8	2.210	633		17.680	1,266
Lights-Prof=1	195	1.000			195			
Equipment-Prof=1	1,500	1.000			1,500	0		
People-Prof=1	2.0	1.000			160	160		
Sub-total					2,660	160		1,611
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,793	168		1,740

CONFORME

MANUEL DONATO CARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 59138

Nestor Enrique Ruiz F.
Ingeniero Mecánico
Reg. CIP 29866

Zone 57-1116 Recepción peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 10.9, Construction Type: 1 (Light)

Partition-1-2	10.9		4/8	2.210	96		17.680	193
Partition-2-2	58.4		4/8	2.210	516		17.680	1,033
Lights-Prof=1	109	1.000			109			
Equipment-Prof=1	600	1.000			600	0		
People-Prof=1	2.0	1.000			150	120		
Sub-total					1,472	120		1,225
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,545	126		1,323

GOBIERNO REGIONAL
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CONSORCIO CONSULTOR SAUL GARRIDO
C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

JEFE DE PROYECTO
C.I.P. N° 61778

Zone Detailed Loads (At Zone Peak Times) (cont'd)

Zone 58-1122 Laboratorio De Hematología peaks (sensible) in December at 7pm, Air Handler 3 (Uma-n1-laboratorio), Group 0, 1.0 x 17.0, Construction Type: 1 (Light)

Partition-1-2	17		4/8	2.210	150		17.680	301
Partition-2-1	66		4/8	2.360	623		18.880	1,246
Lights-Prof=1	170	1.000			170			
Equipment-Prof=1	1,200	1.000			1,200	0		
People-Prof=1	4.0	1.000			320	560		
Sub-total					2,463	560		1,547
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,586	588		1,670

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CAP. 5776
JEFE DE SUPERVISIÓN

Zone 59-1123 Lavado Y Desin peaks (sensible) in December at 7pm, Air Handler 3 (Uma-n1-laboratorio), Group 0, 1.0 x 10.1, Construction Type: 1 (Light)

Partition-1-2	10.1		4/8	2.210	89		17.680	179
Partition-2-1	53.2		4/8	2.360	502		18.880	1,004
Lights-Prof=1	101	1.000			101			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	1.0	1.000			70	45		
Sub-total					1,062	45		1,183
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,116	47		1,278

Zone 60-1125 Esclusa peaks (sensible) in December at 7pm, Air Handler 3 (Uma-n1-laboratorio), Group 0, 1.0 x 4.0, Construction Type: 1 (Light)

Partition-1-2	4		4/8	2.210	35		17.680	71
Partition-2-2	32		4/8	2.210	283		17.680	566
Lights-Prof=1	40	1.000			40			
Equipment-Prof=1	100	1.000			100	0		
People-Prof=1	1.0	1.000			80	80		
Sub-total					538	80		636
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					565	84		687

CONFORME

MANUEL DONATO GARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 03103

Nestor Enrique Ruiz F.
Ingeniero Mecánico
Reg. CIP 29863

Zone 61-1126 Laboratorio De Bioquimica peaks (sensible) in December at 7pm, Air Handler 3 (Uma-n1-laboratorio), Group 0, 1.0 x 17.1, Construction Type: 1 (Light)

Partition-1-2	17.1		4/8	2.210	151		17.680	302
Partition-2-2	69.6		4/8	2.210	615		17.680	1,231
Lights-Prof=1	171	1.000			171			
Equipment-Prof=1	1,200	1.000			1,200	0		
People-Prof=1	4.0	1.000			320	560		
Sub-total					2,457	560		1,533
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,580	588		1,655

GOBIERNO REGIONAL
SUB GERENCIA DE OBRAS

CONSORCIO CONSULTOR SAUL GARRIDO
C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21946429

EDWARD CERON TORRES
JEFE DE PROYECTO
C.I.P. N° 61778

Zone Detailed Loads (At Zone Peak Times) (cont'd)

Zone 62-1127 Laboratorio De Microbiología peaks (sensible) in December at 7pm, Air Handler 3 (Uma-n1-laboratorio), Group 0, 1.0 x 20.0, Construction Type: 1 (Light)

Partition-1-2	80		4/8	2.210	707		17.680	1,414
Partition-2-2	71.6		4/8	2.210	633		17.680	1,266
Lights-Prof=1	200	1.000			200			
Equipment-Prof=1	1,200	1.000			1,200	0		
People-Prof=1	4.0	1.000			320	560		
Sub-total					3,060	560		2,680
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					3,213	588		2,895

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JEFE DE SUPERVISIÓN

Zone 63-1128 Registro De Laboratorio peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 5.7, Construction Type: 1 (Light)

Partition-1-2	5.7		4/8	2.210	50		17.680	101
Partition-2-2	39.2		4/8	2.210	347		17.680	693
Lights-Prof=1	57	1.000			57			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	1.0	1.000			75	60		
Sub-total					829	60		794
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					870	63		857

Zone 64-1129 Toma De Muestras Sanguinea peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 8.6, Construction Type: 1 (Light)

Partition-1-2	8.6		4/8	2.210	76		17.680	152
Partition-2-2	46.8		4/8	2.210	414		17.680	827
Lights-Prof=1	86	1.000			86			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	2.0	1.000			150	120		
Sub-total					1,026	120		979
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,077	126		1,058

CONFORME

MANUEL DONATO CARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 63153

Nestor Enrique Ruiz P.
Ingeniero Mecánico
Reg. CIP 29863

Zone 65-1134 Cuarto Técnico peaks (sensible) in December at 7pm, Air Handler 10 (Dx), Group 0, 1.0 x 7.4, Construction Type: 1 (Light)

Partition-1-2	7.4		4/8	2.210	65		17.680	131
Lights-Prof=1	74	1.000			74			
Equipment-Prof=1	1,500	1.000			1,500	0		
People-Prof=1	1.0	1.000			80	80		
Sub-total					1,719	80		131
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,805	84		141

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C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

EDWARD CERON TORRES
JEFE DE PROYECTO
C.I.P. Nº 61779

Zone Detailed Loads (At Zone Peak Times) (cont'd)

Zone 66-1135 Recepción De Muestras peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 13.3, Construction Type: 1 (Light)

Partition-1-2	13.3		4/8	2.210	118		17.680	235
Partition-2-2	62.8		4/8	2.210	555		17.680	1,110
Lights-Prof=1	133	1.000			133			
Equipment-Prof=1	600	1.000			600	0		
People-Prof=1	2.0	1.000			150	120		
Sub-total					1,556	120		1,347
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,634	126		1,453

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Zone 67-1136 Jefatura Secretaria peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 16.8, Construction Type: 1 (Light)

Partition-1-2	16.8		4/8	2.210	149		17.680	297
Partition-2-2	68		4/8	2.210	601		17.680	1,202
Lights-Prof=1	168	1.000			168			
Equipment-Prof=1	600	1.000			600	0		
People-Prof=1	6.0	1.000			450	360		
Sub-total					1,968	360		1,499
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,066	378		1,619

Zone 68-1138 Sala De Telecom peaks (sensible) in December at 7pm, Air Handler 10 (Dx), Group 0, 1.0 x 16.9, Construction Type: 1 (Light)

Partition-1-2	16.9		4/8	2.210	149		17.680	299
Partition-2-2	66		4/8	2.210	583		17.680	1,167
Lights-Prof=1	169	1.000			169			
Equipment-Prof=1	1,500	1.000			1,500	0		
People-Prof=1	1.0	1.000			80	80		
Sub-total					2,482	80		1,466
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,606	84		1,583

CONFORME

MANUEL DONATO GARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 03103

Nestor Enrique Ruiz F.
Ingeniero Mecánico
Reg. CIP 29863

Zone 69-1139 Cuarto Técnico peaks (sensible) in December at 7pm, Air Handler 10 (Dx), Group 0, 1.0 x 10.4, Construction Type: 1 (Light)

Partition-1-2	10.41		4/8	2.210	92		17.680	184
Partition-2-2	66		4/8	2.210	583		17.680	1,167
Lights-Prof=1	104	1.000			104			
Equipment-Prof=1	1,500	1.000			1,500	0		
People-Prof=1	1.0	1.000			80	80		
Sub-total					2,359	80		1,351
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,477	84		1,459

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C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

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C.I.P. N° 61778

Zone Detailed Loads (At Zone Peak Times) (cont'd)

Zone 70-1140 Hall peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 101.8, Construction Type: 1 (Light)

Partition-1-2	101.8		4/8	2.210	900		17.680	1,800
Partition-2-2	173.2		4/8	2.210	1,531		17.680	3,062
Lights-Prof=1	1,018	1.000			1,018			
Equipment-Prof=1	200	1.000			200	0		
People-Prof=1	12.0	1.000			960	960		
Sub-total					4,609	960		4,862
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					4,839	1,008		5,251

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JEFE DE SUPERVISION

Zone 71-1142 Cto Técnico peaks (sensible) in December at 7pm, Air Handler 10 (Dx), Group 0, 1.0 x 10.7, Construction Type: 1 (Light)

Partition-1-2	10.7		4/8	2.210	95		17.680	189
Partition-2-1	53.6		4/8	2.360	506		18.880	1,012
Lights-Prof=1	107	1.000			107			
Equipment-Prof=1	1,500	1.000			1,500	0		
People-Prof=1	1.0	1.000			80	80		
Sub-total					2,288	80		1,201
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,402	84		1,297

Nestor Enrique Ruiz P.
Ingeniero Mecánico
Reg. CIP 29863

Zone 72-1148 Ref Cref peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 9.3, Construction Type: 1 (Light)

Partition-1-2	9.3		4/8	2.210	82		17.680	164
Partition-2-2	50		4/8	2.210	442		17.680	884
Lights-Prof=1	93	1.000			93			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	3.0	1.000			225	180		
Sub-total					1,142	180		1,048
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,199	189		1,132

CONFORME

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Zone 73-1150 Seguros peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 12.0, Construction Type: 1 (Light)

Partition-1-2	12		4/8	2.210	106		17.680	212
Partition-2-2	56		4/8	2.210	495		17.680	990
Lights-Prof=1	120	1.000			120			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	3.0	1.000			225	180		
Sub-total					1,246	180		1,202
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,308	189		1,298

GOBIERNO REGIONAL
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CONSORCIO CONSULTOR SAUL GARRIDO
C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMUN
DNI Nº 21546425

EDWARD CERON TORRES
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C.I.P. N° 61778

Zone Detailed Loads (At Zone Peak Times) (cont'd)

Zone 74-1151 Servicio Social peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 9.3, Construction Type: 1 (Light)

Partition-1-2	9.3		4/8	2.210	82		17.680	164
Partition-2-2	48.8		4/8	2.210	431		17.680	863
Lights-Prof=1	93	1.000			93			
Equipment-Prof=1	279	1.000			279	0		
People-Prof=1	3.0	1.000			225	180		
Sub-total					1,111	180		1,027
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,166	189		1,109

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Zone 75-1153 Consejeria Y Prevención De Its peaks (sensible) in May at 2pm, Air Handler 6 (Uma-n1-vih), Group 0, 1.0 x 13.8, Construction Type: 1 (Light)

Wall-2-NNW-B-M	15	0.83	6.1	2.000	183		8.000	120
Partition-1-2	13.8		4/8	2.210	122		17.680	244
Partition-3-2	42.4		4/8	2.210	375		17.680	750
Gls-NNW-1-90-Tran	3.4	1.000	5	5.700	102		23.200	78
0%S-0-WS-Solar	3.4	0.700	481	0.833	942			
Lights-Prof=1	138	1.000			138			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	3.0	1.000			240	240		
Sub-total					2,402	240		1,192
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,522	252		1,287

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Zone 76-1154 Espera peaks (sensible) in January at 5pm, Air Handler 6 (Uma-n1-vih), Group 0, 1.0 x 29.3, Construction Type: 1 (Light)

Wall-2-NNW-B-M	12	0.83	2.7	2.000	66		8.000	99
Wall-3-WSW-B-M	14	0.83	6.0	2.000	167		8.000	111
Partition-1-2	29.3		4/8	2.210	259		17.680	518
Partition-4-2	103.2		4/8	2.210	912		17.680	1,825
Gls-WSW-1-90-Tran	4.5	1.000	6	5.700	141		23.200	104
0%S-0-WS-Solar	4.5	0.700	690	0.839	1,815			
Lights-Prof=1	293	1.000			293			
Equipment-Prof=1	200	1.000			200	0		
People-Prof=1	6.0	1.000			480	480		
Sub-total					4,332	480		2,557
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					4,549	504		2,870

CONSORCIO CONSULTOR SAUL GARRIDO
C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

CONFORME

Nestor Enrique Ruiz F.
Ingeniero Mecánico
Reg. CIP 29863

Zone 77-1156 Sala De Targa peaks (sensible) in March at 7pm, Air Handler 6 (Uma-n1-vih), Group 0, 1.0 x 8.0, Construction Type: 1 (Light)

Wall-2-WSW-B-M	5	0.83	7.6	2.000	73		8.000	38
Partition-1-2	8		4/8	2.210	71		17.680	141
Partition-3-2	42.8		4/8	2.210	378		17.680	757
Lights-Prof=1	80	1.000			80			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	3.0	1.000			240	240		

EDWARD CERON TORRES
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GOBIERNO REGIONAL SUB GERENCIA DE ESTUDIOS

Zone Detailed Loads (At Zone Peak Times) (cont'd)

Load Description	Unit Quan	-SC- CFAC	CLTD SHGF	U.Fac -CLF-	Sen. Gain	Lat. Gain	Htg. Mult.	Htg. Loss
Sub-total					1,142	240		937
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,200	252		1,011

Zone 78-1157 Almacen De Medic. peaks (sensible) in December at 7pm, Air Handler 10 (Dx), Group 0, 1.0 x 6.0, Construction Type: 1 (Light)

Partition-1-2	6		4/8	2.210	53		17.680	106
Partition-2-2	39.2		4/8	2.210	347		17.680	693
Lights-Prof=1	60	1.000			60			
Equipment-Prof=1	600	1.000			600	0		
People-Prof=1	1.0	1.000			80	80		
Sub-total					1,140	80		799
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,197	84		863

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Zone 79-1160 Sala De Espera peaks (sensible) in January at 7am, Air Handler 1 (Fc), Group 0, 1.0 x 376.3, Construction Type: 1 (Light)

Wall-2-ENE-B-M	60	0.83	3.0	2.000	357		6.000	360
Wall-3-SSE-B-M	45	0.83	7.3	2.000	662		6.000	271
Partition-1-2	376.3		4/8	2.210	3,326		17.680	6,653
Partition-4-2	410.8		4/8	2.210	3,631		17.680	7,263
Gls-SSE-1-90-Tran	17.6	1.000	-2	5.700	-250		17.400	307
0%S-0-WS-Solar	17.6	0.700	493	0.765	4,658			
Lights-Prof=1	3,763	1.000			3,763			
Equipment-Prof=1	600	1.000			600	0		
People-Prof=1	150.0	1.000			10,500	6,750		
Sub-total					27,248	6,750		14,854
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					28,610	7,088		16,042

Nestor Enrique Ruiz F.
Ingeniero Mecánico
Reg. CIP 29865

CONFORME

MANUEL DONATO GARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 53133

Zone 80-1161 Psicoprofilaxis peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 39.1, Construction Type: 1 (Light)

Partition-1-2	39.1		4/8	2.210	346		17.680	691
Partition-2-2	100.4		4/8	2.210	888		17.680	1,775
Lights-Prof=1	391	1.000			391			
Equipment-Prof=1	600	1.000			600	0		
People-Prof=1	5.0	1.000			400	400		
Sub-total					2,624	400		2,466
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,755	420		2,664

CONSORCIO CONSULTOR SAYA CARRIDO
C.P.C. MARIA LUISA CAIR
REPRESENTANTE
DNI Nº 21546425

CONSORCIO AEQUIMAL
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Zone 81-1162 Consultorio De Gineco Obstr peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 15.0, Construction Type: 1 (Light)

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Zone Detailed Loads (At Zone Peak Times) (cont'd)

Load Description	Unit Quan	-SC- CFAC	CLTD SHGF	U.Fac -CLF-	Sen. Gain	Lat. Gain	Htg. Mult.	Htg. Loss
Partition-1-2	15		4/8	2.210	133		17.680	265
Partition-2-2	70.4		4/8	2.210	622		17.680	1,245
Lights-Prof=1	150	1.000			150			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	3.0	1.000			240	240		
Sub-total					1,445	240		1,510
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,517	252		1,631

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Zone 82-1164 Consultorio De Gineco Obstr peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 15.0, Construction Type: 1 (Light)

Partition-1-2	15		4/8	2.210	133		17.680	265
Partition-2-2	70.4		4/8	2.210	622		17.680	1,245
Lights-Prof=1	150	1.000			150			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	3.0	1.000			240	240		
Sub-total					1,445	240		1,510
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,517	252		1,631

Zone 83-1166 Control Prenatal peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 14.5, Construction Type: 1 (Light)

Partition-1-2	14.5		4/8	2.210	128		17.680	256
Partition-2-2	70.8		4/8	2.210	626		17.680	1,252
Lights-Prof=1	145	1.000			145			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	3.0	1.000			240	240		
Sub-total					1,439	240		1,508
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,511	252		1,629

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MANUEL DONATO GARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 69138

Nestor Enrique Ruiz R.
Ingeniero Mecánico
Reg. CIP 29866

Zone 84-1173 Planificación Familiar peaks (sensible) in January at 5pm, Air Handler 1 (Fc), Group 0, 1.0 x 14.6, Construction Type: 1 (Light)

Wall-3-WSW-B-M	9	0.83	6.0	2.000	113		6.000	57
Partition-1-2	14.6		4/8	2.210	129		17.680	258
Partition-2-2	50.8		4/8	2.210	449		17.680	898
Gls-WSW-1-90-Tran	2.5	1.000	6	5.700	79		17.400	44
0%S-0-WS-Solar	2.5	0.700	690	0.839	1,021			
Lights-Prof=1	146	1.000			146			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	3.0	1.000			240	240		
Sub-total					2,478	240		1,257
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,601	252		1,358

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CONSORCIO CONSULTOR SAUL GARRIDO
C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

EDWARD CERON TORRES
JEFE DE PROYECTO
C.I.P. N°

Zone Detailed Loads (At Zone Peak Times) (cont'd)

Load Description	Unit Quan	-SC- CFAC	CLTD SHGF	U.Fac -CLF-	Sen. Gain	Lat. Gain	Htg. Mult.	Htg. Loss
Zone 85-1174 Sala De Estimulación Temprana peaks (sensible) in January at 5pm, Air Handler 1 (Fc), Group 0, 1.0 x 19.4, Construction Type: 1 (Light)								
Wall-2-WSW-B-M	13	0.83	6.0	2.000	161		6.000	81
Partition-1-2	19.4		4/8	2.210	171		17.680	343
Partition-3-2	54.8		4/8	2.210	484		17.680	969
Gls-WSW-1-90-Tran	2.5	1.000	6	5.700	79		17.400	44
0%S-0-WS-Solar	2.5	0.700	690	0.839	1,021			
Lights-Prof=1	194	1.000			194			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	3.0	1.000			240	240		
Sub-total					2,651	240		1,437
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,784	252		1,552
Zone 86-1176 Consultorio De Pediatria peaks (sensible) in January at 5pm, Air Handler 1 (Fc), Group 0, 1.0 x 14.6, Construction Type: 1 (Light)								
Wall-2-WSW-B-M	9	0.83	6.0	2.000	113		6.000	57
Partition-1-2	14.6		4/8	2.210	129		17.680	258
Partition-3-1	50.8		4/8	2.360	480		18.880	959
Gls-WSW-1-90-Tran	2.5	1.000	6	5.700	79		17.400	44
0%S-0-WS-Solar	2.5	0.700	690	0.839	1,021			
Lights-Prof=1	146	1.000			146			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	3.0	1.000			240	240		
Sub-total					2,508	240		1,318
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,633	252		1,423
Zone 87-1177 Consultorio De Pediatria peaks (sensible) in January at 5pm, Air Handler 1 (Fc), Group 0, 1.0 x 14.6, Construction Type: 1 (Light)								
Wall-2-WSW-B-M	9	0.83	6.0	2.000	113		6.000	57
Partition-1-2	14.6		4/8	2.210	129		17.680	258
Partition-3-1	50.8		4/8	2.360	480		18.880	959
Gls-WSW-1-90-Tran	2.5	1.000	6	5.700	79		17.400	44
0%S-0-WS-Solar	2.5	0.700	690	0.839	1,021			
Lights-Prof=1	146	1.000			146			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	3.0	1.000			240	240		
Sub-total					2,508	240		1,318
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,633	252		1,423

ARQ. DAVID HEKTOR TORRES PUENTE
CAP. 5776
JEFE DE SUPERVISIÓN

Nestor Enrique Ruiz R.
Ingeniero Mecánico
Reg. CIP 29866

MANUEL DONATO GARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 69138

CONFORME

CONSORCIO CONSULTOR SAUL GARRIDO
C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

EDWARD CERON TORRES
JEFE DE PROYECTO
C.I.P. N° 61778

Zone Detailed Loads (At Zone Peak Times) (cont'd)

Zone 88-1178 Consultorio De Crecimiento Y Desarr peaks (sensible) in January at 5pm, Air Handler 1 (Fc), Group 0, 1.0 x 17.3, Construction Type: 1 (Light)

Wall-2-WSW-B-M	12	0.83	6.0	2.000	142		6.000	71
Partition-1-2	17.3		4/8	2.210	153		17.680	306
Partition-3-2	52.8		4/8	2.210	467		17.680	934
Gls-WSW-1-90-Tran	2.5	1.000	6	5.700	79		17.400	44
0%S-0-WS-Solar	2.5	0.700	690	0.839	1,021			
Lights-Prof=1	173	1.000			173			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	3.0	1.000			240	240		
Sub-total					2,575	240		1,374
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,704	252		1,463

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CAP. 5776
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Zone 89-1179 Sala De Inmunizaciones peaks (sensible) in January at 5pm, Air Handler 1 (Fc), Group 0, 1.0 x 15.3, Construction Type: 1 (Light)

Wall-2-WSW-B-M	10	0.83	6.0	2.000	123		6.000	62
Partition-1-2	15.3		4/8	2.210	135		17.680	271
Partition-3-2	51.2		4/8	2.210	453		17.680	905
Gls-WSW-1-90-Tran	2.5	1.000	6	5.700	79		17.400	44
0%S-0-WS-Solar	2.5	0.700	690	0.839	1,021			
Lights-Prof=1	153	1.000			153			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	3.0	1.000			240	240		
Sub-total					2,504	240		1,281
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,629	252		1,384

MANUEL LEONARDO GARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 69138

Nestor Enrique Ruiz R.
Ingeniero Mecánico
Reg. CIP 29865

Zone 90-1180 At Int Del Adulto Mayor peaks (sensible) in January at 5pm, Air Handler 1 (Fc), Group 0, 1.0 x 15.3, Construction Type: 1 (Light)

Wall-2-WSW-B-M	10	0.83	6.0	2.000	123		6.000	62
Partition-1-2	15.3		4/8	2.210	135		17.680	271
Partition-3-2	51.6		4/8	2.210	456		17.680	912
Gls-WSW-1-90-Tran	2.5	1.000	6	5.700	79		17.400	44
0%S-0-WS-Solar	2.5	0.700	690	0.839	1,021			
Lights-Prof=1	153	1.000			153			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	3.0	1.000			240	240		
Sub-total					2,507	240		1,288
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,633	252		1,391

CONSORCIO CONSULTOR SAUL GARRIDO
C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21946425

CONFO

Zone 91-1183 Cyp De Enferm peaks (sensible) in March at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 16.3, Construction Type: 1 (Light)

Wall-2-WSW-B-M	14	0.83	7.6	2.000	208		6.000	82
Partition-1-2	16.3		4/8	2.210	144		17.680	288
Partition-3-2	52		4/8	2.210	460		17.680	919
Lights-Prof=1	163	1.000			163			

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Zone Detailed Loads (At Zone Peak Times) (cont'd)

Load Description	Unit Quan	-SC- CFAC	CLTD SHGF	U.Fac -CLF-	Sen. Gain	Lat. Gain	Htg. Mult.	Htg. Loss
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	3.0	1.000			240	240		
Sub-total					1,515	240		1,289
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,590	252		1,392

Zone 92-1184 Cyp De Enf. No Trans peaks (sensible) in January at 5pm, Air Handler 1 (Fc), Group 0, 1.0 x 14.6, Construction Type: 1 (Light)

Wall-2-WSW-B-M	9	0.83	6.0	2.000	113		6.000	57
Partition-1-2	14.6		4/8	2.210	129		17.680	258
Partition-3-2	50.8		4/8	2.210	449		17.680	898
Gls-WSW-1-90-Tran	2.5	1.000	6	5.700	79		17.400	44
0%S-0-WS-Solar	2.5	0.700	690	0.839	1,021			
Lights-Prof=1	146	1.000			146			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	3.0	1.000			240	240		
Sub-total					2,478	240		1,257
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,601	252		1,358

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Zone 93-1185 Triaje peaks (sensible) in January at 5pm, Air Handler 1 (Fc), Group 0, 1.0 x 13.1, Construction Type: 1 (Light)

Wall-2-WSW-B-M	8	0.83	6.0	2.000	99		6.000	50
Partition-1-2	13.1		4/8	2.210	116		17.680	232
Partition-3-1	49.6		4/8	2.360	468		18.880	936
Gls-WSW-1-90-Tran	2.5	1.000	6	5.700	79		17.400	44
0%S-0-WS-Solar	2.5	0.700	690	0.839	1,021			
Lights-Prof=1	131	1.000			131			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	3.0	1.000			240	240		
Sub-total					2,454	240		1,282
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,577	252		1,363

Nestor Enrique Ruiz F.
Ingeniero Mecánico
Reg. CIP 29863

MANUEL DONATO GARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 69138

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Zone 94-1186 Sala De Telecom peaks (sensible) in December at 7pm, Air Handler 10 (Dx), Group 0, 1.0 x 12.1, Construction Type: 1 (Light)

Partition-1-2	12.1		4/8	2.210	107		17.680	214
Partition-2-1	27.6		4/8	2.360	261		18.880	521
Lights-Prof=1	121	1.000			121			
Equipment-Prof=1	1,500	1.000			1,500	0		
People-Prof=1	1.2	1.000			97	97		
Sub-total					2,085	97		735
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,190	102		794

CONSORCIO CONSULTOR SAUL GARRIDO
C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

EDWARD CERON TORRES
JEFE DE PROYECTO
C.I.P. N° 61778

Zone Detailed Loads (At Zone Peak Times) (cont'd)

Load Description	Unit Quan	-SC- CFAC	CLTD SHGF	U.Fac -CLF-	Sen. Gain	Lat. Gain	Htg. Mult.	Htg. Loss
Zone 95-1189 Almac De Medicam peaks (sensible) in January at 3pm, Air Handler 10 (Dx), Group 0, 1.0 x 6.1, Construction Type: 1 (Light)								
Roof-1-1-Susp.C-L	6	0.50	22.2	2.210	299		6.630	40
Partition-2-1	30.8		4/8	2.360	291		18.880	582
Lights-Prof=1	61	1.000			61			
Equipment-Prof=1	183	1.000			183	0		
People-Prof=1	1.0	1.000			70	45		
Sub-total					904	45		622
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					949	47		672
Zone 96-1190 Toma De Medic peaks (sensible) in January at 3pm, Air Handler 7 (Uma-n1-tbc), Group 0, 1.0 x 8.1, Construction Type: 1 (Light)								
Roof-1-1-Susp.C-L	8	0.50	19.2	2.210	344		8.840	72
Wall-2-SSE-B-M	10	0.83	8.2	2.000	162		8.000	79
Partition-1-2	33.6		4/8	2.210	297		17.680	594
Gls-SSE-1-90-Tran	2.1	1.000	7	5.700	78		23.200	49
0%S-0-WS-Solar	2.1	0.700	493	0.342	248			
Lights-Prof=1	81	1.000			81			
Equipment-Prof=1	500	1.000			500	0		
People-Prof=1	2.0	1.000			160	160		
Sub-total					1,869	160		794
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,962	168		857
Zone 97-1193 Prevención Y Control Tbc peaks (sensible) in May at 2pm, Air Handler 7 (Uma-n1-tbc), Group 0, 1.0 x 13.5, Construction Type: 1 (Light)								
Roof-1-1-Susp.C-L	14	0.50	19.4	2.210	580		8.840	119
Wall-2-NNW-B-M	12	0.83	6.1	2.000	143		8.000	94
Partition-1-2	44.8		4/8	2.210	396		17.680	792
Gls-NNW-1-90-Tran	2.2	1.000	5	5.700	68		23.200	52
0%S-0-WS-Solar	2.2	0.700	481	0.833	628			
Lights-Prof=1	135	1.000			135			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	3.0	1.000			240	240		
Sub-total					2,490	240		1,057
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,615	252		1,142
Zone 98-1213 Jefatura Soporte Técnico peaks (sensible) in May at 2pm, Air Handler 10 (Dx), Group 0, 1.0 x 12.3, Construction Type: 1 (Light)								
Roof-1-1-Susp.C-L	12	0.50	19.4	2.210	528		6.630	82
Wall-1-NNW-B-M	11	0.83	6.1	2.000	135		6.000	66

ARQ. DAVID HECTOR TORRES PUENTE
CAP. 5776
JEFE DE SUPERVISIÓN

Nestor Enrique Ruiz
Ingeniero Mecánico
Reg. CIP 29863

MANUEL DONATO GARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 69138

CONSORCIO CONSULTOR SAUL GARRIDO
C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

CONFORME

EDWARD CERON TORRES
JEFE DE PROYECTO
C.I.P. N° 61778

Zone Detailed Loads (At Zone Peak Times) (cont'd)

Load Description	Unit Quan	-SC- CFAC	CLTD SHGF	U.Fac -CLF-	Sen. Gain	Lat. Gain	Htg. Mult.	Htg. Loss
Partition-2-2	44.8		4/8	2.210	396		17.680	792
Gls-NNW-1-90-Tran	2.9	1.000	5	5.700	89		17.400	51
0%S-0-WS-Solar	2.9	0.700	481	0.833	825			
Lights-Prof=1	123	1.000			123			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	3.0	1.000			240	240		
Sub-total					2,636	240		991
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,768	252		1,070

ARQ. DAVID HÉCTOR TORRES PUENTE
CAP. 5776
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Zone 99-1214 Recepción peaks (sensible) in January at 4pm, Air Handler 10 (Dx), Group 0, 1.0 x 16.2, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	16	0.50	21.2	2.210	759		6.630	107
Wall-1-WSW-B-M	10	0.83	8.2	2.000	163		6.000	60
Partition-2-2	58.8		4/8	2.210	520		17.680	1,040
Gls-WSW-1-90-Tran	2.8	1.000	10	5.700	152		17.400	49
0%S-0-WS-Solar	2.8	0.700	690	0.801	1,083			
Lights-Prof=1	162	1.000			162			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	1.6	1.000			122	97		
Sub-total					3,260	97		1,256
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					3,423	102		1,356

MANUEL DONATO GARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 80138

Zone 100-1231 Jefatura Y Secretaria peaks (sensible) in January at 5pm, Air Handler 10 (Dx), Group 0, 1.0 x 15.2, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	15	0.50	19.2	2.210	645		6.630	101
Wall-1-NNW-B-M	16	0.83	5.7	2.000	186		6.000	98
Wall-2-WSW-B-M	12	0.83	9.0	2.000	216		6.000	72
Partition-3-2	31.2		4/8	2.210	276		17.680	552
Gls-WSW-1-90-Tran	2.8	1.000	9	5.700	136		17.400	49
0%S-0-WS-Solar	2.8	0.700	690	0.839	1,134			
Lights-Prof=1	152	1.000			152			
Equipment-Prof=1	600	1.000			600	0		
People-Prof=1	6.0	1.000			480	480		
Sub-total					3,824	480		872
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					4,015	504		941

CONSORCIO CONSULTOR SAUL GARRIDO
C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

CONFORME

Nestor Enrique Ruiz
Ingeniero Mecánico
Reg. CIP 29865

Zone 101-1239 Recepció Y Despacho peaks (sensible) in January at 4pm, Air Handler 10 (Dx), Group 0, 1.0 x 26.4, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	26	0.50	21.2	2.210	1,237		6.630	175
Wall-1-WSW-B-M	12	0.83	8.2	2.000	192		6.000	71
Partition-2-2	44.8		4/8	2.210	396		17.680	792
Gls-WSW-1-90-Tran	2.2	1.000	10	5.700	121		17.400	39
0%S-0-WS-Solar	2.2	0.700	690	0.801	866			

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EDWARD CERON TORRES
JEFE DE PROYECTO
C.I.P. N° 61778

Zone Detailed Loads (At Zone Peak Times) (cont'd)

Load Description	Unit Quan	-SC- CFAC	CLTD SHGF	U.Fac -CLF-	Sen. Gain	Lat. Gain	Htg. Mult.	Htg. Loss
Lights-Prof=1	264	1.000			264			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	2.0	1.000			150	120		
Sub-total					3,526	120		1,077
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					3,703	126		1,163

ARQ. DAVID HECTOR TORRES PUENTE
CAP. 5776
JEFE DE SUPERVISIÓN

Zone 102-1240 Jefatura peaks (sensible) in May at 2pm, Air Handler 10 (Dx), Group 0, 1.0 x 10.4, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	10	0.50	19.4	2.210	447		6.630	69
Wall-1-NNW-B-M	12	0.83	6.1	2.000	148		6.000	73
Partition-2-2	37.6		4/8	2.210	332		17.680	665
Gls-NNW-1-90-Tran	2.2	1.000	5	5.700	68		17.400	39
0%S-0-WS-Solar	2.2	0.700	481	0.833	628			
Lights-Prof=1	104	1.000			104			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	1.0	1.000			75	60		
Sub-total					2,102	60		846
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,207	63		913

MANUEL DONATO GARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 69138

Zone 103-1244 Almacen De Medicamentos peaks (sensible) in January at 3pm, Air Handler 10 (Dx), Group 0, 1.0 x 25.7, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	26	0.50	22.2	2.210	1,261		6.630	170
Wall-1-SSE-B-M	15	0.83	11.2	2.000	335		6.000	90
Partition-2-2	62		4/8	2.210	548		17.680	1,096
Gls-SSE-1-90-Tran	4.2	1.000	10	5.700	228		17.400	73
0%S-0-WS-Solar	4.2	0.700	493	0.342	495			
Lights-Prof=1	257	1.000			257			
Equipment-Prof=1	600	1.000			600	0		
People-Prof=1	1.0	1.000			80	80		
Sub-total					3,804	80		1,430
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					3,994	84		1,544

CONFORME

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C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

Nestor Enrique Ruiz
Ingeniero Mecánico
Reg. CIP 29863

Zone 104-1250 Unidad De Salud Ambiental peaks (sensible) in January at 4pm, Air Handler 10 (Dx), Group 0, 1.0 x 20.6, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	21	0.50	21.2	2.210	965		6.630	137
Wall-1-ENE-B-M	20	0.83	10.1	2.000	397		6.000	118
Wall-2-NNW-B-M	17	0.83	4.8	2.000	166		6.000	103
Partition-3-2	36		4/8	2.210	318		17.680	636
Lights-Prof=1	206	1.000			206			
Equipment-Prof=1	600	1.000			600	0		
People-Prof=1	6.0	1.000			480	480		
Sub-total					3,132	480		994

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EDWARD CERON TORRES
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Zone Detailed Loads (At Zone Peak Times) (cont'd)

Load Description	Unit Quan	-SC- CFAC	CLTD SHGF	U.Fac -CLF-	Sen. Gain	Lat. Gain	Htg. Mult.	Htg. Loss
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					3,289	504		1,073

Zone 105-1251 Sala De Telecom peaks (sensible) in January at 3pm, Air Handler 10 (Dx), Group 0, 1.0 x 12.2, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	12	0.50	22.2	2.210	599		6.630	81
Partition-1-2	56.8		4/8	2.210	502		17.680	1,004
Lights-Prof=1	122	1.000			122			
Equipment-Prof=1	1,500	1.000			1,500	0		
People-Prof=1	1.2	1.000			98	98		
Sub-total					2,820	98		1,085
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,961	102		1,172

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Zone 106-1256 Jefatura peaks (sensible) in May at 3pm, Air Handler 10 (Dx), Group 0, 1.0 x 12.2, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	12	0.50	19.4	2.210	524		6.630	81
Wall-1-NNW-B-M	15	0.83	6.9	2.000	210		6.000	91
Partition-2-2	40.8		4/8	2.210	361		17.680	721
Lights-Prof=1	122	1.000			122			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	3.0	1.000			225	180		
Sub-total					1,742	180		893
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,829	189		964

Nestor Enrique Ruiz F.
Ingeniero Mecánico
Reg. CIP 2986

MANUEL DONATO GARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 69138

Zone 107-201 Sala Multifunciones peaks (sensible) in April at 4pm, Air Handler 8 (Uma-n2-sm), Group 0, 1.0 x 37.8, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	38	0.50	19.4	2.210	1,622		8.840	334
Wall-2-ENE-B-M	36	0.83	10.5	2.000	758		8.000	288
Wall-3-NNW-B-M	20	0.83	6.7	2.000	268		8.000	160
Partition-1-2	11.5		4/8	2.210	102		17.680	203
Lights-Prof=1	378	1.000			378			
Equipment-Prof=1	1,200	1.000			1,200	0		
People-Prof=1	8.0	1.000			640	1,120		
Sub-total					4,967	1,120		985
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					5,216	1,176		1,064

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C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

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Zone 108-203 AtenciÓn Inmediata Al Recién Nacido peaks (sensible) in May at 4pm, Air Handler 9 (Uma-n2-dil), Group 0, 1.0 x 15.3, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	15	0.50	18.4	2.210	623		8.840	135
Wall-2-NNW-B-M	21	0.83	7.8	2.000	322		8.000	166

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Zone Detailed Loads (At Zone Peak Times) (cont'd)

Load Description	Unit Quan	-SC- CFAC	CLTD SHGF	U.Fac -CLF-	Sen. Gain	Lat. Gain	Htg. Mult.	Htg. Loss
Partition-1-2	44.4		4/8	2.210	392		17.680	785
Lights-Prof=1	153	1.000			153			
Equipment-Prof=1	450	1.000			450	0		
People-Prof=1	1.5	1.000			107	69		
Sub-total					2,048	69		1,067
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,151	72		1,174

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Zone 109-204 Sala De Partos peaks (sensible) in April at 3pm, Air Handler 11 (Uma-n2-sp), Group 0, 1.0 x 33.7, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	34	0.50	20.4	2.210	1,520		8.840	298
Wall-2-NNW-B-M	30	0.83	5.9	2.000	347		8.000	237
Partition-1-2	60.8		4/8	2.210	537		17.680	1,075
Lights-Prof=1	337	1.000			337			
Equipment-Prof=1	600	1.000			600	0		
People-Prof=1	3.0	1.000			240	420		
Sub-total					3,582	420		1,610
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					3,761	441		1,738

Zone 110-205.1 Estación De Obstetricia peaks (sensible) in April at 3pm, Air Handler 1 (Fc), Group 0, 1.0 x 12.3, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	12	0.50	20.4	2.210	555		6.630	82
Partition-1-1	60		4/8	2.360	566		18.880	1,133
Lights-Prof=1	123	1.000			123			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	2.0	1.000			160	160		
Sub-total					1,704	160		1,214
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,789	168		1,311

Nestor Enrique Ruiz
Ingeniero Mecánico
Reg. CIP 29863

MANUEL DONATO GARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 69138

Zone 111-208 Sala De Puerperio Inmediato peaks (sensible) in December at 7pm, Air Handler 9 (Uma-n2-dil), Group 0, 1.0 x 29.2, Construction Type: 1 (Light)

Partition-1-2	29.2		4/8	2.210	258		17.680	516
Partition-2-1	90.4		4/8	2.360	853		18.880	1,707
Lights-Prof=1	292	1.000			292			
Equipment-Prof=1	600	1.000			600	0		
People-Prof=1	4.0	1.000			280	180		
Sub-total					2,284	180		2,223
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,398	189		2,401

CONFORME

CONSORCIO CONSULTOR SAUL GARRIDO
C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21548425

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EDWARD CERON TORRES
JEFE DE PROYECTO
C.I.P. N° 61778

Zone Detailed Loads (At Zone Peak Times) (cont'd)

Zone 112-211 Estar De Personal peaks (sensible) in April at 3pm, Air Handler 1 (Fc), Group 0, 1.0 x 12.3, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	12	0.50	20.4	2.210	555		6.630	82
Partition-1-2	56.4		4/8	2.210	499		17.680	997
Lights-Prof=1	123	1.000			123			
Equipment-Prof=1	200	1.000			200	0		
People-Prof=1	6.0	1.000			480	480		
Sub-total					1,856	480		1,079
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,949	504		1,165

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Zone 113-212 Control peaks (sensible) in April at 3pm, Air Handler 1 (Fc), Group 0, 1.0 x 6.7, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	7	0.50	20.4	2.210	302		6.630	44
Partition-1-2	42.4		4/8	2.210	375		17.680	750
Lights-Prof=1	67	1.000			67			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	1.0	1.000			75	60		
Sub-total					1,119	60		794
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,175	63		858

Zone 114-213 Sala De Dilatación peaks (sensible) in April at 3pm, Air Handler 9 (Uma-n2-dil), Group 0, 1.0 x 54.8, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	55	0.50	20.4	2.210	2,472		8.840	484
Partition-1-2	132		4/8	2.210	1,167		17.680	2,334
Lights-Prof=1	548	1.000			548			
Equipment-Prof=1	600	1.000			600	0		
People-Prof=1	3.0	1.000			240	420		
Sub-total					5,027	420		2,818
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					5,278	441		3,044

Nestor Enrique Ruiz
Ingeniero Mecánico
Reg. CIP 29863

MANUEL DONATO GARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 69133

Zone 115-223 Sala De Monitoreo Fetal peaks (sensible) in April at 10am, Air Handler 9 (Uma-n2-dil), Group 0, 1.0 x 20.3, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	20	0.50	8.9	2.210	400		8.840	179
Wall-1-ENE-B-M	14	0.83	6.4	2.000	176		8.000	110
Partition-2-2	54		4/8	2.210	477		17.680	955
Gls-ENE-1-90-Tran	4.2	1.000	1	5.700	22		23.200	97
0%S-0-WS-Solar	4.2	0.700	647	0.716	1,361			
Lights-Prof=1	203	1.000			203			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	3.0	1.000			240	240		
Sub-total					3,179	240		1,342
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					3,338	252		1,449

CONFORME

CONSORCIO CONSULTOR SAUL GARRIDO
C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

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EDWARD CERON TORRES
JEFE DE PROYECTO
C.I.P. N° 91770

Zone Detailed Loads (At Zone Peak Times) (cont'd)

Load Description	Unit Quan	-SC- CFAC	CLTD SHGF	U.Fac -CLF-	Sen. Gain	Lat. Gain	Htg. Mult.	Htg. Loss
Zone 116-226 Sala De Operaciones De Ginecologia Y peaks (sensible) in April at 3pm, Air Handler 12 (Uma-n2-so-gin), Group 0, 1.0 x 39.9, Construction Type: 1 (Light)								
Roof-1-1-Susp.C-L	40	0.50	20.4	2.210	1,800		8.840	353
Partition-1-2	96.8		4/8	2.210	856		17.680	1,711
Lights-Prof=1	399	1.000			399			
Equipment-Prof=1	2,000	1.000			2,000	0		
People-Prof=1	8.0	1.000			640	1,120		
Sub-total					5,695	1,120		2,064
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					5,979	1,176		2,229
Zone 117-227 Filtro peaks (sensible) in April at 3pm, Air Handler 12 (Uma-n2-so-gin), Group 0, 1.0 x 8.8, Construction Type: 1 (Light)								
Roof-1-1-Susp.C-L	9	0.50	20.4	2.210	397		8.840	78
Partition-1-2	12.9		4/8	2.210	114		17.680	228
Lights-Prof=1	88	1.000			88			
Equipment-Prof=1	100	1.000			100	0		
People-Prof=1	1.0	1.000			80	80		
Sub-total					779	80		306
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					818	84		330
Zone 118-228 Sala De Legrado peaks (sensible) in April at 3pm, Air Handler 13 (Uma-n2-legrado), Group 0, 1.0 x 24.1, Construction Type: 1 (Light)								
Roof-1-1-Susp.C-L	24	0.50	20.4	2.210	1,087		8.840	213
Partition-1-2	79.6		4/8	2.210	704		17.680	1,407
Lights-Prof=1	241	1.000			241			
Equipment-Prof=1	2,000	1.000			2,000	0		
People-Prof=1	8.0	1.000			640	1,120		
Sub-total					4,672	1,120		1,620
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					4,905	1,176		1,750
Zone 119-229 Cuarto Técnico peaks (sensible) in January at 3pm, Air Handler 10 (Dx), Group 0, 1.0 x 10.1, Construction Type: 1 (Light)								
Roof-1-1-Susp.C-L	10	0.50	22.2	2.210	495		6.630	67
Partition-1-2	13.7		4/8	2.210	121		17.680	242
Lights-Prof=1	101	1.000			101			
Equipment-Prof=1	1,500	1.000			1,500	0		
People-Prof=1	1.0	1.000			81	81		
Sub-total					2,298	81		309

ARQ. DAVID HECTOR TORRES PUENTE
CAP. 5776
JEFE DE SUPERVISIÓN

MANUEL DONATO GARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 69138

Nestor Enrique Ruiz
Ingeniero Mecánico
Reg. CIP 29863

CONFORME

CONSORCIO CONSULTOR SAUL GARRIDO
C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

EDWARD CERON TORRES
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CIP Nº 61778

Zone Detailed Loads (At Zone Peak Times) (cont'd)

Load Description	Unit Quan	-SC- CFAC	CLTD SHGF	U.Fac -CLF-	Sen. Gain	Lat. Gain	Htg. Mult.	Htg. Loss
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,413	85		334

Zone 120-231 Filtro peaks (sensible) in April at 3pm, Air Handler 15 (Uma-n2-so-cirugía), Group 0, 1.0 x 4.5, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	5	0.50	20.4	2.210	203		8.840	40
Partition-1-2	34		4/8	2.210	301		17.680	601
Lights-Prof=1	45	1.000			45			
Equipment-Prof=1	100	1.000			100	0		
People-Prof=1	0.5	1.000			36	36		
Sub-total					685	36		641
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					719	38		692

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Zone 121-233 Sala De Inducción Anestesica peaks (sensible) in April at 3pm, Air Handler 14 (Uma-n2-induc), Group 0, 1.0 x 27.0, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	27	0.50	20.4	2.210	1,218		8.840	239
Partition-1-2	83.2		4/8	2.210	735		17.680	1,471
Lights-Prof=1	270	1.000			270			
Equipment-Prof=1	600	1.000			600	0		
People-Prof=1	2.0	1.000			140	90		
Sub-total					2,963	90		1,710
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					3,112	94		1,846

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ING. MECANICO-ELECTRICISTA
REG. CIP N° 69138

Nestor Enrique Ruiz
Ingeniero Mecánico
Reg. CIP 29863

Zone 122-234 Sala De Operaciones General peaks (sensible) in December at 7pm, Air Handler 15 (Uma-n2-so-cirugía), Group 0, 1.0 x 40.1, Construction Type: 1 (Light)

Partition-1-2	96		4/8	2.210	849		17.680	1,697
Lights-Prof=1	401	1.000			401			
Equipment-Prof=1	2,000	1.000			2,000	0		
People-Prof=1	8.0	1.000			640	1,120		
Sub-total					3,890	1,120		1,697
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					4,084	1,176		1,833

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C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21949429

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Zone 123-235 Almace De Medic peaks (sensible) in April at 3pm, Air Handler 14 (Uma-n2-induc), Group 0, 1.0 x 6.1, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	6	0.50	20.4	2.210	275		8.840	54
Partition-1-2	40.8		4/8	2.210	361		17.680	721
Lights-Prof=1	61	1.000			61			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	1.0	1.000			80	80		

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Zone Detailed Loads (At Zone Peak Times) (cont'd)

Load Description	Unit Quan	-SC- CFAC	CLTD SHGF	U.Fac -CLF-	Sen. Gain	Lat. Gain	Htg. Mult.	Htg. Loss
Sub-total					1,077	80		775
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,131	84		837

Zone 124-236 Corredor Rigido peaks (sensible) in April at 3pm, Air Handler 14 (Uma-n2-induc), Group 0, 1.0 x 105.4, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	105	0.50	20.4	2.210	4,754		8.840	932
Partition-1-2	259.2		4/8	2.210	2,291		17.680	4,583
Lights-Prof=1	1,054	1.000			1,054			
Equipment-Prof=1	200	1.000			200	0		
People-Prof=1	8.0	1.000			600	600		
Sub-total					8,900	600		5,514
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					9,345	630		5,956

ARQ. DAVID HÉCTOR TORRES PUENTE
CAP. 5776
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Zone 125-236.1 Almacen De Insumos peaks (sensible) in April at 3pm, Air Handler 14 (Uma-n2-induc), Group 0, 1.0 x 8.7, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	9	0.50	20.4	2.210	392		8.840	77
Partition-1-2	11.8		4/8	2.210	104		17.680	209
Lights-Prof=1	87	1.000			87			
Equipment-Prof=1	100	1.000			100	0		
People-Prof=1	1.0	1.000			80	80		
Sub-total					764	80		286
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					802	84		308

CONFORME

MANUEL DONATO CARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 69138

Nestor Enrique Ruiz P.
Ingeniero Mecánico
Reg. CIP 29863

Zone 126-237 Sala De Recuperación Post Anestesica peaks (sensible) in April at 3pm, Air Handler 24 (Uma-n2-recup), Group 0, 1.0 x 102.9, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	103	0.50	20.4	2.210	4,642		8.840	910
Partition-1-2	176.8		4/8	2.210	1,563		17.680	3,126
Lights-Prof=1	1,029	1.000			1,029			
Equipment-Prof=1	1,600	1.000			1,600	0		
People-Prof=1	6.0	1.000			420	270		
Sub-total					9,254	270		4,035
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					9,716	284		4,358

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C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

Zone 127-238 Cuarto Técnico peaks (sensible) in January at 3pm, Air Handler 10 (Dx), Group 0, 1.0 x 10.2, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	10	0.50	22.2	2.210	500		6.630	68
Partition-1-2	55.6		4/8	2.210	492		17.680	983
Lights-Prof=1	102	1.000			102			
Equipment-Prof=1	1,500	1.000			1,500	0		

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Zone Detailed Loads (At Zone Peak Times) (cont'd)

Load Description	Unit Quan	-SC- CFAC	CLTD SHGF	U.Fac -CLF-	Sen. Gain	Lat. Gain	Htg. Mult.	Htg. Loss
People-Prof=1	1.0	1.000			82	82		
Sub-total					2,676	82		1,051
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,809	86		1,135

Zone 128-247 Estar De Personal peaks (sensible) in April at 3pm, Air Handler 1 (Fc), Group 0, 1.0 x 14.0, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	14	0.50	20.4	2.210	632		6.630	93
Partition-1-2	76.4		4/8	2.210	675		17.680	1,351
Lights-Prof=1	140	1.000			140			
Equipment-Prof=1	200	1.000			200	0		
People-Prof=1	7.0	1.000			560	560		
Sub-total					2,207	560		1,444
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,317	588		1,559

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Zone 129-249 Control peaks (sensible) in April at 3pm, Air Handler 1 (Fc), Group 0, 1.0 x 4.9, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	5	0.50	20.4	2.210	221		6.630	32
Partition-1-2	36		4/8	2.210	318		17.680	636
Lights-Prof=1	49	1.000			49			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	1.0	1.000			80	80		
Sub-total					968	80		669
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,017	84		722

CONFORME

MANUEL DONATO GARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 09103

Nestor Enrique Ruiz
Ingeniero Mecánico
Reg. CIP 29863

Zone 130-250 Coordinación De Enfermeria peaks (sensible) in April at 3pm, Air Handler 1 (Fc), Group 0, 1.0 x 12.1, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	12	0.50	20.4	2.210	546		6.630	80
Partition-1-2	57.2		4/8	2.210	506		17.680	1,011
Lights-Prof=1	121	1.000			121			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	6.0	1.000			450	360		
Sub-total					1,922	360		1,092
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,019	378		1,179

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DNI Nº 21546425

Zone 131-251 Jefatura Secretaria peaks (sensible) in April at 3pm, Air Handler 1 (Fc), Group 0, 1.0 x 15.9, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	16	0.50	20.4	2.210	717		6.630	105
Partition-1-2	68.8		4/8	2.210	608		17.680	1,216

EDWARD GIRON TORRES
JEFE DE PROYECTO
C.I.P. N° 61778

Zone Detailed Loads (At Zone Peak Times) (cont'd)

Load Description	Unit Quan	-SC- CFAC	CLTD SHGF	U.Fac -CLF-	Sen. Gain	Lat. Gain	Htg. Mult.	Htg. Loss
Lights-Prof=1	159	1.000			159			
Equipment-Prof=1	600	1.000			600	0		
People-Prof=1	2.0	1.000			150	120		
Sub-total					2,234	120		1,322
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,346	126		1,428

Zone 132-252 Sala De Reuniones peaks (sensible) in April at 3pm, Air Handler 1 (Fc), Group 0, 1.0 x 12.3, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	12	0.50	20.4	2.210	555		6.630	82
Partition-1-2	56.4		4/8	2.210	499		17.680	997
Lights-Prof=1	123	1.000			123			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	6.0	1.000			480	480		
Sub-total					1,956	480		1,079
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,054	504		1,165

ARQ. DAVID HECTOR TORRES PUENTE
CAP. 5776
JEFE DE SUPERVISIÓN

Zone 133-253 Preparación Y Empaque peaks (sensible) in April at 3pm, Air Handler 16 (Uma-n2-so-est), Group 0, 1.0 x 29.4, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	29	0.50	20.4	2.210	1,326		8.840	260
Partition-1-2	86.8		4/8	2.210	767		17.680	1,535
Lights-Prof=1	294	1.000			294			
Equipment-Prof=1	1,500	1.000			1,500	0		
People-Prof=1	4.0	1.000			280	180		
Sub-total					4,168	180		1,795
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					4,376	189		1,938

Nestor Enrique Ruiz
Ingeniero Mecánico
Reg. CIP 29863

CONFORME

MANUEL DONATO CARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 69138

Zone 134-254 Jefatura peaks (sensible) in April at 3pm, Air Handler 1 (Fc), Group 0, 1.0 x 11.2, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	11	0.50	20.4	2.210	505		6.630	74
Partition-1-2	56		4/8	2.210	495		17.680	990
Lights-Prof=1	112	1.000			112			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	3.0	1.000			225	180		
Sub-total					1,637	180		1,064
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,719	189		1,149

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C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

GOBIERNO REGIONAL SUBGERENCIA

Zone 135-255 Descontaminación Y Desinfección peaks (sensible) in April at 3pm, Air Handler 16 (Uma-n2-so-est), Group 0, 29.7 x 1.0, Construction Type: 1 (Light)

EDWARD LEÓN ROJAS
JEFE DE PROYECTO
C.I.P. N° 61778

Zone Detailed Loads (At Zone Peak Times) (cont'd)

Load Description	Unit Quan	-SC- CFAC	CLTD SHGF	U.Fac -CLF-	Sen. Gain	Lat. Gain	Htg. Mult.	Htg. Loss
Roof-1-1-Susp.C-L	30	0.50	20.4	2.210	1,340		8.840	263
Partition-1-2	102		4/8	2.210	902		17.680	1,803
Lights-Prof=1	297	1.000			297			
Equipment-Prof=1	1,500	1.000			1,500	0		
People-Prof=1	4.0	1.000			280	180		
Sub-total					4,318	180		2,066
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					4,534	189		2,231

ARQ. DAVID HECTOR TORRES PUENTE
CAP. 5776
JEFE DE SUPERVISIÓN

Zone 136-256 Esterilización peaks (sensible) in April at 3pm, Air Handler 16 (Uma-n2-so-est), Group 0, 1.0 x 30.8, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	31	0.50	20.4	2.210	1,389		8.840	272
Partition-1-2	88.8		4/8	2.210	785		17.680	1,570
Lights-Prof=1	308	1.000			308			
Equipment-Prof=1	1,500	1.000			1,500	0		
People-Prof=1	4.0	1.000			280	180		
Sub-total					4,262	180		1,842
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					4,475	189		1,990

MANUEL DONATO GARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 69108

Zone 137-257 Almacen De Material Esteril peaks (sensible) in April at 3pm, Air Handler 16 (Uma-n2-so-est), Group 0, 1.0 x 40.1, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	40	0.50	20.4	2.210	1,809		8.840	354
Partition-1-2	124		4/8	2.210	1,096		17.680	2,192
Lights-Prof=1	401	1.000			401			
Equipment-Prof=1	1,500	1.000			1,500	0		
People-Prof=1	1.0	1.000			70	45		
Sub-total					4,876	45		2,547
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					5,120	47		2,751

CONFORME

Nestor Enrique Ruiz
Ingeniero Mecánico
Reg. CIP 29863

Zone 138-258 Esclusa peaks (sensible) in April at 3pm, Air Handler 16 (Uma-n2-so-est), Group 0, 1.0 x 5.9, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	6	0.50	20.4	2.210	266		8.840	52
Partition-1-2	40.4		4/8	2.210	357		17.680	714
Lights-Prof=1	59	1.000			59			
Equipment-Prof=1	100	1.000			100	0		
People-Prof=1	1.0	1.000			70	45		
Sub-total					852	45		766
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					895	47		828

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C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21949929

GOBIERNO REGIONAL
SUBGERENCIA DE ESTUDIOS

EDWARD CERON TORRES
JEFE DE PROYECTO
C.I.P. N° 61779

Zone Detailed Loads (At Zone Peak Times) (cont'd)

Zone 139-260 Entrega De Material Esteril peaks (sensible) in April at 3pm, Air Handler 16 (Uma-n2-so-est), Group 0, 1.0 x 7.1, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	7	0.50	20.4	2.210	320		8.840	63
Partition-1-2	43.2		4/8	2.210	382		17.680	764
Lights-Prof=1	71	1.000			71			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	1.0	1.000			70	45		
Sub-total					1,143	45		
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,200	47		893

ARQ. DAVID HECTOR TORRES FUENTE
CAP. 5776
JEFE DE SUPERVISIÓN

Zone 140-269 Unidad De Logistica peaks (sensible) in May at 2pm, Air Handler 1 (Fc), Group 0, 1.0 x 30.7, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	31	0.50	19.4	2.210	1,314		6.630	203
Wall-1-ENE-B-M	20	0.83	8.3	2.000	335		6.000	121
Wall-2-NNW-B-M	16	0.83	6.1	2.000	197		6.000	97
Partition-3-2	44.4		4/8	2.210	392		17.680	785
Gls-ENE-1-90-Tran	3.4	1.000	5	5.700	102		17.400	58
0%S-0-WS-Solar	3.4	0.700	638	0.239	359			
Gls-NNW-1-90-Tran	4.6	1.000	5	5.700	140		17.400	80
0%S-0-WS-Solar	4.6	0.700	481	0.833	1,296			
Lights-Prof=1	307	1.000			307			
Equipment-Prof=1	1,200	1.000			1,200	0		
People-Prof=1	6.0	1.000			450	360		
Sub-total					6,092	360		1,345
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					6,397	378		1,453

MANUEL DONATO GARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 69138

Nestor Enrique Ruiz
Ingeniero Mecánico
Reg. CIP 29809

Zone 141-270 Unidad De Personal peaks (sensible) in May at 2pm, Air Handler 1 (Fc), Group 0, 1.0 x 30.1, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	30	0.50	19.4	2.210	1,293		6.630	200
Wall-1-NNW-B-M	14	0.83	6.1	2.000	172		6.000	85
Partition-2-2	67.6		4/8	2.210	598		17.680	1,195
Gls-NNW-1-90-Tran	6.3	1.000	5	5.700	191		17.400	110
0%S-0-WS-Solar	6.3	0.700	481	0.833	1,767			
Lights-Prof=1	301	1.000			301			
Equipment-Prof=1	1,500	1.000			1,500	0		
People-Prof=1	7.0	1.000			525	420		
Sub-total					6,346	420		1,589
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					6,663	441		1,716

CONFORME
CONSORCIO CONSULTOR SAUL GARRIDO
C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 23949429

Zone 142-271 Unidad De Personal peaks (sensible) in May at 2pm, Air Handler 1 (Fc), Group 0, 1.0 x 30.1, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	30	0.50	19.4	2.210	1,293		6.630	200
Wall-1-NNW-B-M	14	0.83	6.1	2.000	172		6.000	85
Partition-2-2	67.6		4/8	2.210	598		17.680	1,195
Gls-NNW-1-90-Tran	6.3	1.000	5	5.700	191		17.400	110

EDWARD GERON TORRES
JEFE DE PROYECTO
CIP N° 61778

Zone Detailed Loads (At Zone Peak Times) (cont'd)

Load Description	Unit Quan	-SC- CFAC	CLTD SHGF	U.Fac -CLF-	Sen. Gain	Lat. Gain	Htg. Mult.	Htg. Loss
0%S-0-WS-Solar	6.3	0.700	481	0.833	1,767			
Lights-Prof=1	301	1.000			301			
Equipment-Prof=1	1,500	1.000			1,500	0		
People-Prof=1	7.0	1.000			525	420		
Sub-total					6,346	420		1,589
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					6,663	441		1,716

Zone 143-272 Secretaria peaks (sensible) in May at 2pm, Air Handler 1 (Fc), Group 0, 1.0 x 24.5, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	25	0.50	19.4	2.210	1,052		6.630	162
Wall-1-NNW-B-M	12	0.83	6.1	2.000	145		6.000	71
Partition-2-2	63.6		4/8	2.210	562		17.680	1,124
Gls-NNW-1-90-Tran	4.9	1.000	5	5.700	148		17.400	85
0%S-0-WS-Solar	4.9	0.700	481	0.833	1,374			
Lights-Prof=1	245	1.000			245			
Equipment-Prof=1	600	1.000			600	0		
People-Prof=1	6.0	1.000			450	360		
Sub-total					4,577	360		1,444
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					4,806	378		1,559

ARQ. DAVID HECTOR TORRES PUENTE
CAP. 5776
JEFE DE SUPERVISIÓN

MANUEL DONATO GARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 69138

Zone 144-273 Unidad De Gestion De La Calidad peaks (sensible) in May at 2pm, Air Handler 1 (Fc), Group 0, 1.0 x 24.5, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	25	0.50	19.4	2.210	1,052		6.630	162
Wall-1-NNW-B-M	10	0.83	6.1	2.000	117		6.000	58
Partition-2-2	63.6		4/8	2.210	562		17.680	1,124
Gls-NNW-1-90-Tran	5.2	1.000	5	5.700	157		17.400	90
0%S-0-WS-Solar	5.2	0.700	481	0.833	1,453			
Lights-Prof=1	245	1.000			245			
Equipment-Prof=1	900	1.000			900	0		
People-Prof=1	5.0	1.000			375	300		
Sub-total					4,862	300		1,435
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					5,105	315		1,550

Nestor Enrique Ruiz F.
Ingeniero Mecánico
Reg. CIP 29868

CONSORCIO CONSULTOR SAUL GARRIDO
C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

CONFORME

Zone 145-274 Secretaria peaks (sensible) in May at 2pm, Air Handler 1 (Fc), Group 0, 1.0 x 15.0, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	15	0.50	19.4	2.210	644		6.630	99
Wall-1-NNW-B-M	7	0.83	6.1	2.000	82		6.000	41
Partition-2-2	57.2		4/8	2.210	506		17.680	1,011
Gls-NNW-1-90-Tran	3.6	1.000	5	5.700	110		17.400	63
0%S-0-WS-Solar	3.6	0.700	481	0.833	1,021			
Lights-Prof=1	150	1.000			150			
Equipment-Prof=1	600	1.000			600	0		
People-Prof=1	3.0	1.000			225	180		

EDWARD CERON TORRES
JEFE DE SUPERVISIÓN
C.I.P. N°

Zone Detailed Loads (At Zone Peak Times) (cont'd)

Load Description	Unit Quan	-SC- CFAC	CLTD SHGF	U.Fac -CLF-	Sen. Gain	Lat. Gain	Htg. Mult.	Htg. Loss
Sub-total					3,338	180		1,215
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					3,505	189		1,312

Zone 146-275 Dirección General peaks (sensible) in May at 2pm, Air Handler 1 (Fc), Group 0, 1.0 x 23.9, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	24	0.50	19.4	2.210	1,027		6.630	158
Wall-1-NNW-B-M	13	0.83	6.1	2.000	157		6.000	78
Wall-2-WSW-B-M	16	0.83	2.1	2.000	71		6.000	98
Partition-3-2	49.6		4/8	2.210	438		17.680	877
Gls-NNW-1-90-Tran	5.9	1.000	5	5.700	178		17.400	102
0%S-0-WS-Solar	5.9	0.700	481	0.833	1,649			
Lights-Prof=1	239	1.000			239			
Equipment-Prof=1	600	1.000			600	0		
People-Prof=1	9.0	1.000			675	540		
Sub-total					5,034	540		1,314
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					5,286	567		1,419

ARQ. DAVID HÉCTOR TORRES PUENTE
CAP. 5776
JEFE DE SUPERVISIÓN

Zone 147-277 Unidad De Asesoria Juridica peaks (sensible) in January at 5pm, Air Handler 1 (Fc), Group 0, 1.0 x 9.5, Construction Type: 1 (Light)

Wall-1-WSW-B-M	10	0.83	6.0	2.000	122		6.000	61
Partition-2-2	36.8		4/8	2.210	325		17.680	651
Gls-WSW-1-90-Tran	2.2	1.000	6	5.700	70		17.400	39
0%S-0-WS-Solar	2.2	0.700	690	0.839	907			
Lights-Prof=1	95	1.000			95			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	3.0	1.000			225	180		
Sub-total					2,045	180		751
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,147	189		811

CONFORME

MANUEL DONATO GARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 69138

Nestor Enrique Ruiz F.
Ingeniero Mecánico
Reg. CIP 29863

Zone 148-279 Oficina De Planeamiento peaks (sensible) in January at 5pm, Air Handler 1 (Fc), Group 0, 1.0 x 30.6, Construction Type: 1 (Light)

Wall-2-WSW-B-M	13	0.83	6.0	2.000	151		6.000	76
Partition-1-2	30.6		4/8	2.210	271		17.680	541
Partition-3-2	77.2		4/8	2.210	682		17.680	1,365
Gls-WSW-1-90-Tran	3.4	1.000	6	5.700	106		17.400	58
0%S-0-WS-Solar	3.4	0.700	690	0.839	1,361			
Lights-Prof=1	306	1.000			306			
Equipment-Prof=1	900	1.000			900	0		
People-Prof=1	5.0	1.000			375	300		
Sub-total					4,152	300		2,040
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					4,359	315		2,203

CONSORCIO CONSULTOR SAUL GARRIDO
C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

GOBIERNO REGIONAL
SUB GERENCIA

EDWARD CERON TORRES
JEFE DE PROYECTO
C.I.P. N° 61778

Zone Detailed Loads (At Zone Peak Times) (cont'd)

Load Description	Unit Quan	-SC- CFAC	CLTD SHGF	U.Fac -CLF-	Sen. Gain	Lat. Gain	Htg. Mult.	Htg. Loss
Zone 149-280 Unidad De Seguros peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 26.8 x 1.0, Construction Type: 1 (Light)								
Partition-1-2	26.8		4/8	2.210	237		17.680	474
Partition-2-2	89.2		4/8	2.210	789		17.680	1,577
Lights-Prof=1	268	1.000			268			
Equipment-Prof=1	900	1.000			900	0		
People-Prof=1	5.0	1.000			375	300		
Sub-total					2,568	300		2,051
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,697	315		2,215
Zone 150-281 Sala De Espera peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 24.3, Construction Type: 1 (Light)								
Partition-1-2	24.3		4/8	2.210	215		17.680	430
Partition-2-2	86		4/8	2.210	760		17.680	1,520
Lights-Prof=1	243	1.000			243			
Equipment-Prof=1	200	1.000			200	0		
People-Prof=1	12.0	1.000			960	960		
Sub-total					2,378	960		1,950
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,497	1,008		2,106
Zone 151-282 Tramite Documentario peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 9.4, Construction Type: 1 (Light)								
Partition-1-1	9.4		4/8	2.360	89		18.880	177
Partition-2-2	50.4		4/8	2.210	446		17.680	891
Lights-Prof=1	94	1.000			94			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	0.9	1.000			70	56		
Sub-total					999	56		1,069
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,049	59		1,154
Zone 152-283 Sala De Usos Multiples peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 24.3, Construction Type: 1 (Light)								
Partition-1-1	24.3		4/8	2.360	229		18.880	459
Partition-2-2	81.2		4/8	2.210	718		17.680	1,436
Lights-Prof=1	243	1.000			243			
Equipment-Prof=1	500	1.000			500	0		
People-Prof=1	21.0	1.000			1,470	945		
Sub-total					3,160	945		1,894

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ING. MECANICO-ELECTRICISTA
REG. CIP N° 69133

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CONSORCIO CONSULTOR SAUL GARRIDO
C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21946425

Nestor Enrique Ruiz
Ingeniero Mecánico
Reg. CIP 29863

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Zone Detailed Loads (At Zone Peak Times) (cont'd)

Load Description	Unit Quan	-SC- CFAC	CLTD SHGF	U.Fac -CLF-	Sen. Gain	Lat. Gain	Htg. Mult.	Htg. Loss
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					3,318	992		2,046

Zone 153-284 Epidemiología Y Salud Ocupacional peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 36.7, Construction Type: 1 (Light)

Partition-1-1	36.7		4/8	2.360	346		18.880	693
Partition-2-2	100		4/8	2.210	884		17.680	1,768
Lights-Prof=1	367	1.000			367			
Equipment-Prof=1	1,200	1.000			1,200	0		
People-Prof=1	12.0	1.000			960	960		
Sub-total					3,757	960		2,461
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					3,945	1,008		2,658

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Zone 154-291 Sala De Espera Centro Obstetrico peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 48.2, Construction Type: 1 (Light)

Partition-1-1	48.2		4/8	2.360	455		18.880	910
Partition-2-2	147.6		4/8	2.210	1,305		17.680	2,610
Lights-Prof=1	482	1.000			482			
Equipment-Prof=1	200	1.000			200	0		
People-Prof=1	30.0	1.000			2,400	2,400		
Sub-total					4,842	2,400		3,520
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					5,084	2,520		3,801

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Zone 155-192 Sala De Telecom peaks (sensible) in December at 7pm, Air Handler 10 (Dx), Group 0, 1.0 x 12.0, Construction Type: 1 (Light)

Partition-1-1	12		4/8	2.360	113		18.880	227
Partition-2-2	60.8		4/8	2.210	537		17.680	1,075
Lights-Prof=1	120	1.000			120			
Equipment-Prof=1	1,500	1.000			1,500	0		
People-Prof=1	1.2	1.000			96	96		
Sub-total					2,367	96		1,302
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,485	101		1,406

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CONSORCIO CONSULTOR SAUL GARRIDO
C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

Nestor Enrique Ruiz
Ingeniero Mecánico
Reg. CIP 29863

Zone 156-194 Sala De Refracción peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 26.4, Construction Type: 1 (Light)

Partition-1-1	26.4		4/8	2.360	249		18.880	498
Partition-2-2	82.4		4/8	2.210	728		17.680	1,457
Lights-Prof=1	264	1.000			264			
Equipment-Prof=1	600	1.000			600	0		
People-Prof=1	4.0	1.000			320	320		

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Zone Detailed Loads (At Zone Peak Times) (cont'd)

Load Description	Unit Quan	-SC- CFAC	CLTD SHGF	U.Fac -CLF-	Sen. Gain	Lat. Gain	Htg. Mult.	Htg. Loss
Sub-total					2,162	320		1,955
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,270	336		2,112

Zone 157-195 Sala De Ecografia Obstetrica peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 15.8, Construction Type: 1 (Light)

Partition-1-1	15.8		4/8	2.360	149		18.880	298
Partition-2-2	64.8		4/8	2.210	573		17.680	1,146
Lights-Prof=1	158	1.000			158			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	3.0	1.000			240	240		
Sub-total					1,420	240		1,474
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,491	252		1,559

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Zone 158-197 Recepción Y Control peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 11.5, Construction Type: 1 (Light)

Partition-1-1	11.5		4/8	2.360	109		18.880	217
Partition-2-2	64.8		4/8	2.210	573		17.680	1,146
Lights-Prof=1	115	1.000			115			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	3.0	1.000			240	240		
Sub-total					1,336	240		1,363
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,403	252		1,472

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Zone 159-1104 Recepc Uuss Y Hemoc peaks (sensible) in December at 7pm, Air Handler 17 (Uma-n2-lab. Inmunohemt.), Group 0, 1.0 x 10.8, Construction Type: 1 (Light)

Partition-1-1	10.8		4/8	2.360	102		18.880	204
Partition-2-2	53.2		4/8	2.210	470		17.680	941
Lights-Prof=1	108	1.000			108			
Equipment-Prof=1	600	1.000			600	0		
People-Prof=1	1.0	1.000			75	60		
Sub-total					1,355	60		1,144
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,423	63		1,236

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CONFORME
C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

Nestor Enrique Ruiz
Ingeniero Mecánico
Reg. CIP 29863

Zone 160-2015 Sala De Electro Cardiografia peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 14.2, Construction Type: 1 (Light)

Partition-1-1	14.2		4/8	2.360	134		18.880	268
Partition-2-2	61.2		4/8	2.210	541		17.680	1,082
Lights-Prof=1	142	1.000			142			
Equipment-Prof=1	300	1.000			300	0		

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Zone Detailed Loads (At Zone Peak Times) (cont'd)

Load Description	Unit Quan	-SC- CFAC	CLTD SHGF	U.Fac -CLF-	Sen. Gain	Lat. Gain	Htg. Mult.	Htg. Loss
People-Prof=1	3.0	1.000			240	240		
Sub-total					1,357	240		1,350
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,425	252		1,458

Zone 161-2106 Sala De Holter Y Mapa peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 11.2, Construction Type: 1 (Light)

Partition-1-1	11.2		4/8	2.360	106		18.880	211
Partition-2-2	53.6		4/8	2.210	474		17.680	948
Lights-Prof=1	112	1.000			112			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	3.0	1.000			240	240		
Sub-total					1,232	240		1,159
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,293	252		1,252

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Zone 162-2107 Sala De Espirometria peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 11.8, Construction Type: 1 (Light)

Partition-1-1	11.8		4/8	2.360	111		18.880	223
Partition-2-2	55.2		4/8	2.210	488		17.680	976
Lights-Prof=1	118	1.000			118			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	3.0	1.000			240	240		
Sub-total					1,257	240		1,199
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,320	252		1,295

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Nestor Enrique Ruiz
Ingeniero Mecánico
Reg. CIP 29863

Zone 163-2110 Laboratorio Inmunohemta peaks (sensible) in December at 7pm, Air Handler 17 (Uma-n2-lab. Inmunohemt.), Group 0, 1.0 x 22.7, Construction Type: 1 (Light)

Partition-1-1	22.7		4/8	2.360	214		18.880	429
Partition-2-2	76.4		4/8	2.210	675		17.680	1,351
Lights-Prof=1	227	1.000			227			
Equipment-Prof=1	1,200	1.000			1,200	0		
People-Prof=1	4.0	1.000			320	560		
Sub-total					2,637	560		1,779
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,768	588		1,922

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C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

CONFORME

Zone 164-2111 Esterilización Y Productos Biologic peaks (sensible) in December at 7pm, Air Handler 17 (Uma-n2-lab. Inmunohemt.), Group 0, 1.0 x 12.2, Construction Type: 1 (Light)

Partition-1-1	12.2		4/8	2.360	115		18.880	230
Partition-2-2	60		4/8	2.210	530		17.680	1,061

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Zone Detailed Loads (At Zone Peak Times) (cont'd)

Load Description	Unit Quan	-SC- CFAC	CLTD SHGF	U.Fac -CLF-	Sen. Gain	Lat. Gain	Htg. Mult.	Htg. Loss
Lights-Prof=1	122	1.000			122			
Equipment-Prof=1	400	1.000			400	0		
People-Prof=1	1.0	1.000			75	60		
Sub-total					1,243	60		1,291
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,305	63		1,394

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Zone 165-2112 Control De Calidad peaks (sensible) in December at 7pm, Air Handler 17 (Uma-n2-lab. Inmunohemt.), Group 0, 1.0 x 12.2, Construction Type: 1 (Light)

Partition-1-1	12.2		4/8	2.360	115		18.880	230
Partition-2-2	60		4/8	2.210	530		17.680	1,061
Lights-Prof=1	122	1.000			122			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	1.0	1.000			75	60		
Sub-total					1,143	60		1,291
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,200	63		1,394

Zone 166-2114 Almacen Unidades De Sangre peaks (sensible) in December at 7pm, Air Handler 17 (Uma-n2-lab. Inmunohemt.), Group 0, 1.0 x 24.0, Construction Type: 1 (Light)

Partition-1-1	24		4/8	2.360	227		18.880	453
Partition-2-2	78.8		4/8	2.210	697		17.680	1,393
Lights-Prof=1	240	1.000			240			
Equipment-Prof=1	1,000	1.000			1,000	0		
People-Prof=1	1.0	1.000			70	45		
Sub-total					2,233	45		1,846
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,345	47		1,994

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MANUEL DONATO GARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 69136

Nestor Enrique Ruiz
Ingeniero Mecánico
Reg. CIP 29863

Zone 167-2118 Jefatura peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 12.0, Construction Type: 1 (Light)

Partition-1-1	12		4/8	2.360	113		18.880	227
Partition-2-2	55.6		4/8	2.210	492		17.680	983
Lights-Prof=1	120	1.000			120			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	3.0	1.000			225	180		
Sub-total					1,250	180		1,210
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,312	189		1,306

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CONSORCIO CONSULTOR SAUL GARRIDO
C.P.C. MARÍA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

Zone 168-2119 Promoción De Donación De Sangre peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 16.3, Construction Type: 1 (Light)

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Zone Detailed Loads (At Zone Peak Times) (cont'd)

Load Description	Unit Quan	-SC- CFAC	CLTD SHGF	U.Fac -CLF-	Sen. Gain	Lat. Gain	Htg. Mult.	Htg. Loss
Partition-1-1	16.3		4/8	2.360	154		18.880	308
Partition-2-2	66.4		4/8	2.210	587		17.680	1,174
Lights-Prof=1	163	1.000			163			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	7.0	1.000			560	560		
Sub-total					1,764	560		1,482
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,852	588		1,600

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CAP. 5776
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Zone 169-21120 Centro Computo Ii peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 12.8, Construction Type: 1 (Light)

Partition-1-1	12.8		4/8	2.360	121		18.880	242
Partition-2-2	58.8		4/8	2.210	520		17.680	1,040
Lights-Prof=1	128	1.000			128			
Equipment-Prof=1	1,500	1.000			1,500	0		
People-Prof=1	5.0	1.000			375	300		
Sub-total					2,644	300		1,281
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,776	315		1,384

Zone 170-21121 Sala De Control Elect. peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 6.3, Construction Type: 1 (Light)

Partition-1-1	6.3		4/8	2.360	59		18.880	119
Partition-2-2	42.8		4/8	2.210	378		17.680	757
Lights-Prof=1	63	1.000			63			
Equipment-Prof=1	1,500	1.000			1,500	0		
People-Prof=1	1.0	1.000			75	60		
Sub-total					2,076	60		876
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,180	63		946

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ING. MECANICO-ELECTRICISTA
REG. CIP N° 69138

Nestor Enrique Ruiz
Ingeniero Mecánico
Reg. CIP 29863

Zone 171-2122 Sala De Administr. peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 9.4, Construction Type: 1 (Light)

Partition-1-1	9.4		4/8	2.360	89		18.880	177
Partition-2-2	49.6		4/8	2.210	438		17.680	877
Lights-Prof=1	94	1.000			94			
Equipment-Prof=1	600	1.000			600	0		
People-Prof=1	2.0	1.000			150	120		
Sub-total					1,371	120		1,054
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,440	126		1,139

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CONSORCIO CONSULTOR SAUL GARRIDO
C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

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Zone Detailed Loads (At Zone Peak Times) (cont'd)

Zone 172-2123 Centro De Datos peaks (sensible) in December at 7pm, Air Handler 18 (N2 Unidad Precisión), Group 0, 1.0 x 38.5, Construction Type: 1 (Light)

Partition-1-1	38.5		4/8	2.360	363		18.880	727
Partition-2-2	104.4		4/8	2.210	923		17.680	1,846
Lights-Prof=1	385	1.000			385			
Equipment-Prof=1	20,000	1.000			20,000	0		
People-Prof=1	1.0	1.000			75	60		
Sub-total					21,746	60		2,573
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					22,834	63		2,778

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Zone 173-21125 Jefatura peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 12.0, Construction Type: 1 (Light)

Partition-1-1	12		4/8	2.360	113		18.880	227
Partition-2-2	55.6		4/8	2.210	492		17.680	983
Lights-Prof=1	120	1.000			120			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	3.0	1.000			225	180		
Sub-total					1,250	180		1,210
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,312	189		1,306

Zone 174-2126 Central De Comunic peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 9.1, Construction Type: 1 (Light)

Partition-1-1	9.1		4/8	2.360	86		18.880	172
Partition-2-2	48.4		4/8	2.210	428		17.680	856
Lights-Prof=1	91	1.000			91			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	2.0	1.000			150	120		
Sub-total					1,055	120		1,028
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,107	126		1,110

MANUEL DONATO GARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 69138

Nestor Enrique Ruiz
Ingeniero Mecánico
Reg. CIP 29863

Zone 175-2128 Oficina De Informatica peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 24.1, Construction Type: 1 (Light)

Partition-1-1	24.1		4/8	2.360	228		18.880	455
Partition-2-2	85.6		4/8	2.210	757		17.680	1,513
Lights-Prof=1	241	1.000			241			
Equipment-Prof=1	1,200	1.000			1,200	0		
People-Prof=1	4.0	1.000			300	240		
Sub-total					2,725	240		1,968
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,861	252		2,126

CONSORCIO CONSULTOR SAUL GARRIDO
C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

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CONFORME

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JEFE DE PROYECTO
C.I.P. N° 61778

Zone Detailed Loads (At Zone Peak Times) (cont'd)

Zone 176-2130 Sala De Telecom Iii peaks (sensible) in December at 7pm, Air Handler 10 (Dx), Group 0, 1.0 x 16.9, Construction Type: 1 (Light)

Partition-1-1	16.9		4/8	2.360	160		18.880	319
Partition-2-2	66		4/8	2.210	583		17.680	1,167
Lights-Prof=1	169	1.000			169			
Equipment-Prof=1	1,500	1.000			1,500	0		
People-Prof=1	1.0	1.000			80	80		
Sub-total					2,492	80		1,486
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,617	84		1,605

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CAP. 5776
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Zone 177-2131 Cuarto Tecnico peaks (sensible) in December at 7pm, Air Handler 10 (Dx), Group 0, 1.0 x 10.3, Construction Type: 1 (Light)

Partition-1-1	10.3		4/8	2.360	97		18.880	194
Partition-2-2	52.4		4/8	2.210	463		17.680	926
Lights-Prof=1	103	1.000			103			
Equipment-Prof=1	1,500	1.000			1,500	0		
People-Prof=1	1.0	1.000			82	82		
Sub-total					2,246	82		1,121
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,358	87		1,211

Zone 178-2134 Sala De Usos Multiples peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 103.4, Construction Type: 1 (Light)

Partition-1-1	103.4		4/8	2.360	976		18.880	1,952
Partition-2-2	168		4/8	2.210	1,485		17.680	2,970
Lights-Prof=1	1,034	1.000			1,034			
Equipment-Prof=1	600	1.000			600	0		
People-Prof=1	82.0	1.000			5,740	3,690		
Sub-total					9,835	3,690		4,922
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					10,327	3,875		5,316

Nestor Enrique Ruiz
Ingeniero Mecánico
Reg. CIP 29865

MANUEL DONATO GARCIA JAVE
ING. MECANICO-ELECTRICISTA
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Zone 179-2140 Sala De Espera peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 376.7, Construction Type: 1 (Light)

Partition-1-1	376.7		4/8	2.360	3,556		18.880	7,112
Partition-2-2	518		4/8	2.210	4,579		17.680	9,158
Lights-Prof=1	3,767	1.000			3,767			
Equipment-Prof=1	600	1.000			600	0		
People-Prof=1	135.0	1.000			10,800	10,800		
Sub-total					23,302	10,800		16,270
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					24,467	11,340		17,572

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Zone Detailed Loads (At Zone Peak Times) (cont'd)

Zone 180-2142 Triaje peaks (sensible) in January at 5pm, Air Handler 1 (Fc), Group 0, 1.0 x 13.1, Construction Type: 1 (Light)

Wall-3-WSW-B-M	8	0.83	6.0	2.000	99		6.000	50
Partition-1-1	13.1		4/8	2.360	124		18.880	247
Partition-2-2	49.6		4/8	2.210	438		17.680	877
Gls-WSW-1-90-Tran	2.5	1.000	6	5.700	79		17.400	44
0%S-0-WS-Solar	2.5	0.700	690	0.839	1,021			
Lights-Prof=1	131	1.000			131			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	3.0	1.000			240	240		
Sub-total					2,432	240		1,218
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,554	252		1,315

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Zone 181-2143 Consejeria Y Prevención Del Cancer peaks (sensible) in January at 5pm, Air Handler 1 (Fc), Group 0, 1.0 x 14.1, Construction Type: 1 (Light)

Wall-3-WSW-B-M	11	0.83	6.0	2.000	128		6.000	64
Partition-1-1	14.1		4/8	2.360	133		18.880	266
Partition-2-2	51.6		4/8	2.210	456		17.680	912
Gls-WSW-1-90-Tran	2.1	1.000	6	5.700	66		17.400	37
0%S-0-WS-Solar	2.1	0.700	690	0.839	851			
Lights-Prof=1	141	1.000			141			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	3.0	1.000			240	240		
Sub-total					2,315	240		1,279
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,431	252		1,382

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ING. MECANICO-ELECTRICISTA
REG. CIP Nº 69133

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Ingeniero Mecánico
Reg. CIP 29863

Zone 182-2144 At Int Y Consejeria peaks (sensible) in January at 5pm, Air Handler 1 (Fc), Group 0, 1.0 x 14.6, Construction Type: 1 (Light)

Wall-3-WSW-B-M	9	0.83	6.0	2.000	113		6.000	57
Partition-1-1	14.6		4/8	2.360	138		18.880	276
Partition-2-2	50.8		4/8	2.210	449		17.680	898
Gls-WSW-1-90-Tran	2.5	1.000	6	5.700	79		17.400	44
0%S-0-WS-Solar	2.5	0.700	690	0.839	1,021			
Lights-Prof=1	146	1.000			146			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	1.5	1.000			4	117		
Sub-total					2,251	117		1,275
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,363	123		1,376

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REPRESENTANTE COMÚN
DNI Nº 21546425

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Zone 183-2145 Consultorio De Nutrición peaks (sensible) in January at 5pm, Air Handler 1 (Fc), Group 0, 1.0 x 14.6, Construction Type: 1 (Light)

Wall-3-WSW-B-M	9	0.83	6.0	2.000	113		6.000	57
Partition-1-1	14.6		4/8	2.360	138		18.880	276
Partition-2-2	50.8		4/8	2.210	449		17.680	898
Gls-WSW-1-90-Tran	2.5	1.000	6	5.700	79		17.400	44

EDWARD CERON TORRES
JEFE DE PROYECTO
C.I.P. Nº 61778

Zone Detailed Loads (At Zone Peak Times) (cont'd)

Load Description	Unit Quan	-SC- CFAC	CLTD SHGF	U.Fac -CLF-	Sen. Gain	Lat. Gain	Htg. Mult.	Htg. Loss
0%S-0-WS-Solar	2.5	0.700	690	0.839	1,021			
Lights-Prof=1	146	1.000			146			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	3.0	1.000			240	240		
Sub-total					2,486	240		1,275
Safety factors:					+5%	+5%		
Total w/ safety factors:					2,611	252		1,976

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CAP. 5776
JEFE DE SUPERVISIÓN

Zone 184-2146 Consultorio De Odontologia peaks (sensible) in January at 5pm, Air Handler 1 (Fc), Group 0, 1.0 x 38.7, Construction Type: 1 (Light)

Wall-3-WSW-B-M	30	0.83	6.0	2.000	360		6.000	180
Partition-1-1	38.7		4/8	2.360	365		18.880	731
Partition-2-2	99.6		4/8	2.210	880		17.680	1,761
Gls-WSW-1-90-Tran	7.1	1.000	6	5.700	224		17.400	124
0%S-0-WS-Solar	7.1	0.700	690	0.839	2,892			
Lights-Prof=1	387	1.000			387			
Equipment-Prof=1	1,500	1.000			1,500	0		
People-Prof=1	3.0	1.000			240	240		
Sub-total					6,849	240		2,796
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					7,191	252		3,020

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ING. MECANICO-ELECTRICISTA
REG. CIP N° 69135

Zone 185-2148 Consultorio De Psiquiatria peaks (sensible) in January at 5pm, Air Handler 1 (Fc), Group 0, 1.0 x 14.5, Construction Type: 1 (Light)

Wall-3-WSW-B-M	9	0.83	6.0	2.000	113		6.000	57
Partition-1-1	14.5		4/8	2.360	137		18.880	274
Partition-2-2	51.2		4/8	2.210	453		17.680	905
Gls-WSW-1-90-Tran	2.5	1.000	6	5.700	79		17.400	44
0%S-0-WS-Solar	2.5	0.700	690	0.839	1,021			
Lights-Prof=1	145	1.000			145			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	1.5	1.000			4	116		
Sub-total					2,252	116		1,280
Safety factors:					+5%	+5%		+8%
Total w/ safety factors					2,365	122		1,382

Nestor Enrique Ruiz
Ingeniero Mecánico
Reg. CIP 29863

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C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

Zone 186-2149 Consultorio De Psicologia peaks (sensible) in January at 5pm, Air Handler 1 (Fc), Group 0, 1.0 x 15.3, Construction Type: 1 (Light)

Wall-3-WSW-B-M	10	0.83	6.0	2.000	123		6.000	62
Partition-1-1	15.3		4/8	2.360	144		18.880	289
Partition-2-2	51.2		4/8	2.210	453		17.680	905
Gls-WSW-1-90-Tran	2.5	1.000	6	5.700	79		17.400	44
0%S-0-WS-Solar	2.5	0.700	690	0.839	1,021			
Lights-Prof=1	153	1.000			153			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	3.0	1.000			240	240		

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Zone Detailed Loads (At Zone Peak Times) (cont'd)

Load Description	Unit Quan	-SC- CFAC	CLTD SHGF	U.Fac -CLF-	Sen. Gain	Lat. Gain	Htg. Mult.	Htg. Loss
Sub-total					2,513	240		1,300
Safety factors:					+5%	+5%		+8%
					---	---		---
Total w/ safety factors:					2,639	252		1,404

Zone 187-2151 Consultorio De Neumogolia peaks (sensible) in January at 5pm, Air Handler 1 (Fc), Group 0, 1.0 x 14.6, Construction Type: 1 (Light)

Wall-3-WSW-B-M	9	0.83	6.0	2.000	113		6.000	57
Partition-1-1	14.6		4/8	2.360	138		18.880	276
Partition-2-2	50.8		4/8	2.210	449		17.680	898
Gls-WSW-1-90-Tran	2.5	1.000	6	5.700	79		17.400	44
0%S-0-WS-Solar	2.5	0.700	690	0.839	1,021			
Lights-Prof=1	146	1.000			146			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	3.0	1.000			240	240		
Sub-total					2,486	240		1,275
Safety factors:					+5%	+5%		+8%
					---	---		---
Total w/ safety factors:					2,611	252		1,376

ARQ. DAVID HECTOR TORRES PUENTE
CAP. 5776
JEFE DE SUPERVISION

Zone 188-2157 Consultorio De Cirugia peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 17.1, Construction Type: 1 (Light)

Partition-1-1	17.1		4/8	2.360	161		18.880	323
Partition-2-2	69.6		4/8	2.210	615		17.680	1,231
Lights-Prof=1	171	1.000			171			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	3.0	1.000			240	240		
Sub-total					1,488	240		1,553
Safety factors:					+5%	+5%		+8%
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Total w/ safety factors:					1,562	252		1,678

MANUEL DONATO CARCIA JAVE
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Ingeniero Mecánico
Reg. CIP 98613

Zone 189-2159 Topico De Procedimientos peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 17.1, Construction Type: 1 (Light)

Partition-1-1	17.1		4/8	2.360	161		18.880	323
Partition-2-2	73.6		4/8	2.210	651		17.680	1,301
Lights-Prof=1	171	1.000			171			
Equipment-Prof=1	450	1.000			450	0		
People-Prof=1	3.0	1.000			240	240		
Sub-total					1,673	240		1,624
Safety factors:					+5%	+5%		+8%
					---	---		---
Total w/ safety factors:					1,757	252		1,754

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Zone 190-2160 Consultorio De Medicina Interna peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 17.1, Construction Type: 1 (Light)

Partition-1-1	17.1		4/8	2.360	161		18.880	323

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C.I.P. N° 61778

Zone Detailed Loads (At Zone Peak Times) (cont'd)

Load Description	Unit Quan	-SC- CFAC	CLTD SHGF	U.Fac -CLF-	Sen. Gain	Lat. Gain	Htg. Mult.	Htg. Loss
Partition-2-2	69.6		4/8	2.210	615		17.680	1,231
Lights-Prof=1	171	1.000			171			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	3.0	1.000			240	240		
Sub-total					1,488	240		1,553
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,562	252		1,678

ARQ. DAVID HECTOR TORRES PUENTE
CAP. 5776
JEFE DE SUPERVISIÓN

Zone 191-2161 Consultorio De Oftalmologia peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 18.0, Construction Type: 1 (Light)

Partition-1-1	18		4/8	2.360	170		18.880	340
Partition-2-2	70.8		4/8	2.210	626		17.680	1,252
Lights-Prof=1	180	1.000			180			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	3.0	1.000			240	240		
Sub-total					1,516	240		1,592
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,592	252		1,719

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Zone 192-2162 Consultorio De Cardiologia peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 17.1, Construction Type: 1 (Light)

Partition-1-1	17.1		4/8	2.360	161		18.880	323
Partition-2-2	69.2		4/8	2.210	612		17.680	1,223
Lights-Prof=1	171	1.000			171			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	3.0	1.000			240	240		
Sub-total					1,484	240		1,546
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,558	252		1,670

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REG. CIP N° 8[illegible]

Zone 193-2163 Tele Consultorio peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 20.5, Construction Type: 1 (Light)

Partition-1-1	20.5		4/8	2.360	194		18.880	387
Partition-2-2	74.4		4/8	2.210	658		17.680	1,315
Lights-Prof=1	205	1.000			205			
Equipment-Prof=1	600	1.000			600	0		
People-Prof=1	7.0	1.000			560	560		
Sub-total					2,216	560		1,702
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,327	588		1,839

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C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

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Zone 194-2164 Oficina De Estadistica peaks (sensible) in December at 7pm, Air Handler 1 (Fc), Group 0, 1.0 x 27.4, Construction Type: 1 (Light)

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Zone Detailed Loads (At Zone Peak Times) (cont'd)

Load Description	Unit Quan	-SC- CFAC	CLTD SHGF	U.Fac -CLF-	Sen. Gain	Lat. Gain	Htg. Mult.	Htg. Loss
Partition-1-1	27.4		4/8	2.360	259		18.880	517
Partition-2-2	84		4/8	2.210	743		17.680	1,485
Lights-Prof=1	274	1.000			274			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	3.0	1.000			240	240		
Sub-total					1,815	240		
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,906	252		2,163

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CAP. 5776
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Zone 195-301 Habitación peaks (sensible) in April at 3pm, Air Handler 1 (Fc), Group 0, 1.0 x 14.6, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	15	0.50	20.4	2.210	659		6.630	97
Partition-1-2	62.4		4/8	2.210	552		17.680	1,103
Lights-Prof=1	146	1.000			146			
Equipment-Prof=1	200	1.000			200	0		
People-Prof=1	2.0	1.000			160	160		
Sub-total					1,716	160		1,200
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,802	168		1,296

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Zone 196-303 Habitación peaks (sensible) in April at 3pm, Air Handler 1 (Fc), Group 0, 1.0 x 14.3, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	14	0.50	20.4	2.210	645		6.630	95
Partition-1-2	62		4/8	2.210	548		17.680	1,096
Lights-Prof=1	143	1.000			143			
Equipment-Prof=1	200	1.000			200	0		
People-Prof=1	2.0	1.000			160	160		
Sub-total					1,696	160		1,191
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,781	168		1,286

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Ingeniero Mecánico
Reg. CIP 29863

Zone 197-306 Cocina Comedor peaks (sensible) in April at 3pm, Air Handler 1 (Fc), Group 0, 1.0 x 38.7, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	39	0.50	20.4	2.210	1,746		6.630	257
Partition-1-2	122		4/8	2.210	1,078		17.680	2,157
Lights-Prof=1	387	1.000			387			
Equipment-Prof=1	500	1.000			500	0		
People-Prof=1	6.0	1.000			480	480		
Sub-total					4,191	480		2,414
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					4,401	504		2,607

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C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

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Zone Detailed Loads (At Zone Peak Times) (cont'd)

Zone 198-307 Estación De Enfermeras peaks (sensible) in May at 2pm, Air Handler 1 (Fc), Group 0, 1.0 x 52.6, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	53	0.50	19.4	2.210	2,259		6.630	349
Wall-2-NNW-B-M	25	0.83	6.1	2.000	308		6.000	152
Partition-1-2	113.6		4/8	2.210	1,004		17.680	2,008
Gls-NNW-1-90-Tran	6.7	1.000	5	5.700	203		17.400	117
0%S-0-WS-Solar	6.7	0.700	481	0.833	1,885			
Lights-Prof=1	526	1.000			526			
Equipment-Prof=1	600	1.000			600	0		
People-Prof=1	3.0	1.000			225	180		
Sub-total					7,011	180		2,824
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					7,361	189		2,836

ARQ. DAVID HECTOR TORRES PUENTE
CAP. 5776
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Zone 199-312 Topico De Procedimientos peaks (sensible) in April at 3pm, Air Handler 1 (Fc), Group 0, 1.0 x 18.7, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	19	0.50	20.4	2.210	844		6.630	124
Partition-1-2	70.8		4/8	2.210	626		17.680	1,252
Lights-Prof=1	187	1.000			187			
Equipment-Prof=1	450	1.000			450	0		
People-Prof=1	2.0	1.000			160	160		
Sub-total					2,266	160		1,376
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,380	168		1,486

MANUEL DONATO GARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 69133

Zone 200-316 Sala Hosp Adultos Varones peaks (sensible) in May at 2pm, Air Handler 25 (Uma-n3-hosp.adult), Group 0, 1.0 x 22.8, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	23	0.50	19.4	2.210	979		8.840	202
Wall-2-NNW-B-M	12	0.83	6.1	2.000	144		8.000	95
Partition-1-2	65.2		4/8	2.210	576		17.680	1,153
Gls-NNW-1-90-Tran	3.4	1.000	5	5.700	102		23.200	78
0%S-0-WS-Solar	3.4	0.700	481	0.833	942			
Lights-Prof=1	228	1.000			228			
Equipment-Prof=1	450	1.000			450	0		
People-Prof=1	3.0	1.000			240	240		
Sub-total					3,662	240		1,627
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					3,845	252		1,649

GOBIERNO REGIONAL SUB GERENCIA DE ESTUDIOS

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CONSORCIO CONSULTOR SAUL GARRIDO
C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

Nestor Enrique Ruiz
Ingeniero Mecánico
Reg. CIP 29865

Zone 201-324 Sala De Espera Hosp Adulto peaks (sensible) in January at 4pm, Air Handler 1 (Fc), Group 0, 1.0 x 40.2, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	40	0.50	18.2	2.210	1,617		6.630	267
Wall-2-WSW-B-M	28	0.83	5.2	2.000	292		6.000	170
Partition-1-2	76.4		4/8	2.210	675		17.680	1,351
Gls-WSW-1-90-Tran	8.8	1.000	7	5.700	327		17.400	153
0%S-0-WS-Solar	8.8	0.700	690	0.801	3,412			
Lights-Prof=1	402	1.000			402			
Equipment-Prof=1	200	1.000			200	0		

EDWARD CERON TORRES
JEFE DE PROYECTO
C.I.P. N° 61778

Zone Detailed Loads (At Zone Peak Times) (cont'd)

Load Description	Unit Quan	-SC- CFAC	CLTD SHGF	U.Fac -CLF-	Sen. Gain	Lat. Gain	Htg. Mult.	Htg. Loss
People-Prof=1	12.0	1.000			960	960		
Sub-total					7,886	960		1,941
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					8,280	1,008		2,096

Zone 202-325 Estar De Personal Hombres peaks (sensible) in January at 4pm, Air Handler 1 (Fc), Group 0, 1.0 x 13.0, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	13	0.50	18.2	2.210	523		6.630	86
Wall-2-WSW-B-M	9	0.83	5.2	2.000	98		6.000	57
Partition-1-2	46.8		4/8	2.210	414		17.680	827
Gls-WSW-1-90-Tran	2.5	1.000	7	5.700	94		17.400	44
0%S-0-WS-Solar	2.5	0.700	690	0.801	975			
Lights-Prof=1	130	1.000			130			
Equipment-Prof=1	200	1.000			200	0		
People-Prof=1	7.0	1.000			490	315		
Sub-total					2,923	315		1,014
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					3,069	331		1,095

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REG. CIP N° 69139

Zone 203-326 Estar De Personal Mujeres peaks (sensible) in January at 4pm, Air Handler 1 (Fc), Group 0, 1.0 x 13.0, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	13	0.50	18.2	2.210	523		6.630	86
Wall-2-WSW-B-M	9	0.83	5.2	2.000	98		6.000	57
Partition-1-2	46.8		4/8	2.210	414		17.680	827
Gls-WSW-1-90-Tran	2.5	1.000	7	5.700	94		17.400	44
0%S-0-WS-Solar	2.5	0.700	690	0.801	975			
Lights-Prof=1	130	1.000			130			
Equipment-Prof=1	200	1.000			200	0		
People-Prof=1	7.0	1.000			490	315		
Sub-total					2,923	315		1,014
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					3,069	331		1,095

CONFORME

CONSORCIO CONSULTOR SAUL GARRIDO
C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

Nestor Enrique Ruiz
Ingeniero Mecánico
Reg. CIP 29863

Zone 204-327 Oficina De Control Nutricional peaks (sensible) in January at 4pm, Air Handler 1 (Fc), Group 0, 1.0 x 12.5, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	13	0.50	18.2	2.210	503		6.630	83
Wall-2-WSW-B-M	9	0.83	5.2	2.000	94		6.000	54
Partition-1-2	46.4		4/8	2.210	410		17.680	820
Gls-WSW-1-90-Tran	2.5	1.000	7	5.700	94		17.400	44
0%S-0-WS-Solar	2.5	0.700	690	0.801	975			
Lights-Prof=1	125	1.000			125			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	3.0	1.000			225	180		
Sub-total					2,725	180		1,002

GOBIERNO REGIONAL SUB GERENCIA DE ESTUDIOS

EDWARD CERON TORRES
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Zone Detailed Loads (At Zone Peak Times) (cont'd)

Load Description	Unit Quan	-SC- CFAC	CLTD SHGF	U.Fac -CLF-	Sen. Gain	Lat. Gain	Htg. Mult.	Htg. Loss
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,861	189		1,082

Zone 205-331 Sala Hospit Adulto Mujeres peaks (sensible) in April at 2pm, Air Handler 25 (Uma-n3-hosp.adult), Group 0, 1.0 x 24.8, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	25	0.50	20.4	2.210	1,119		8.840	219
Wall-2-ENE-B-M	11	0.83	8.9	2.000	204		8.000	92
Partition-1-2	76.4		4/8	2.210	675		17.680	1,351
Gls-ENE-1-90-Tran	2.5	1.000	6	5.700	85		23.200	58
0%S-0-WS-Solar	2.5	0.700	647	0.239	273			
Lights-Prof=1	248	1.000			248			
Equipment-Prof=1	450	1.000			450	0		
People-Prof=1	2.0	1.000			160	160		
Sub-total					3,214	160		1,720
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					3,374	168		1,858

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Zone 206-333 Sala Hospit Adulto Mujeres peaks (sensible) in April at 2pm, Air Handler 25 (Uma-n3-hosp.adult), Group 0, 1.0 x 24.8, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	25	0.50	20.4	2.210	1,119		8.840	219
Wall-2-ENE-B-M	11	0.83	8.9	2.000	204		8.000	92
Partition-1-2	76.4		4/8	2.210	675		17.680	1,351
Gls-ENE-1-90-Tran	2.5	1.000	6	5.700	85		23.200	58
0%S-0-WS-Solar	2.5	0.700	647	0.239	273			
Lights-Prof=1	248	1.000			248			
Equipment-Prof=1	450	1.000			450	0		
People-Prof=1	2.0	1.000			160	160		
Sub-total					3,214	160		1,720
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					3,374	168		1,858

CONFORME

MANUEL CANTO GARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 69138

Nestor Enrique Ruiz
Ingeniero Mecánico
Reg. CIP 298[illegible]

Zone 207-334 Sala Hospit Adulto Mujeres peaks (sensible) in April at 2pm, Air Handler 25 (Uma-n3-hosp.adult), Group 0, 1.0 x 24.8, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	25	0.50	20.4	2.210	1,119		8.840	219
Wall-2-ENE-B-M	11	0.83	8.9	2.000	204		8.000	92
Partition-1-2	76.4		4/8	2.210	675		17.680	1,351
Gls-ENE-1-90-Tran	2.5	1.000	6	5.700	85		23.200	58
0%S-0-WS-Solar	2.5	0.700	647	0.239	273			
Lights-Prof=1	248	1.000			248			
Equipment-Prof=1	450	1.000			450	0		
People-Prof=1	2.0	1.000			160	160		
Sub-total					3,214	160		1,720
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					3,374	168		1,858

GOBIERNO REGIONAL
SUB GERENCIA DE ESTUDIOS

CONSORCIO CONSULTOR SAUL GARRIDO
C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

EDWARD CERON TORRES
JEFE DE PROYECTO
C.I.P. N° 61779

Zone Detailed Loads (At Zone Peak Times) (cont'd)

Load Description	Unit Quan	-SC- CFAC	CLTD SHGF	U.Fac -CLF-	Sen. Gain	Lat. Gain	Htg. Mult.	Htg. Loss
Zone 208-336 Sala De Reuniones peaks (sensible) in April at 10am, Air Handler 1 (Fc), Group 0, 1.0 x 15.2, Construction Type: 1 (Light)								
Roof-1-1-Susp.C-L	15	0.50	8.9	2.210	299		6.630	101
Wall-2-ENE-B-M	11	0.83	6.4	2.000	136		6.000	64
Partition-1-2	50		4/8	2.210	442		17.680	884
Gls-ENE-1-90-Tran	2.5	1.000	1	5.700	13		17.400	44
0%S-0-WS-Solar	2.5	0.700	647	0.716	817			
Lights-Prof=1	152	1.000			152			
Equipment-Prof=1	200	1.000			200	0		
People-Prof=1	8.0	1.000			600	320		
Sub-total					2,660	320		1,093
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,792	336		1,180
Zone 209-337 Jefatura peaks (sensible) in May at 2pm, Air Handler 1 (Fc), Group 0, 1.0 x 12.8, Construction Type: 1 (Light)								
Roof-1-1-Susp.C-L	13	0.50	19.4	2.210	550		6.630	85
Wall-2-NNW-B-M	9	0.83	6.1	2.000	111		6.000	54
Partition-1-2	46.8		4/8	2.210	414		17.680	827
Gls-NNW-1-90-Tran	2.5	1.000	5	5.700	76		17.400	44
0%S-0-WS-Solar	2.5	0.700	481	0.833	707			
Lights-Prof=1	128	1.000			128			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	3.0	1.000			225	180		
Sub-total					2,510	180		1,011
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,636	189		1,091
Zone 210-339 Secretaria peaks (sensible) in April at 3pm, Air Handler 1 (Fc), Group 0, 1.0 x 10.8, Construction Type: 1 (Light)								
Roof-1-1-Susp.C-L	11	0.50	20.4	2.210	487		6.630	72
Partition-1-2	54.8		4/8	2.210	484		17.680	969
Lights-Prof=1	108	1.000			108			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	3.0	1.000			225	180		
Sub-total					1,605	180		1,040
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,685	189		1,124
Zone 211-344 Topico De Procedimientos Pediatria peaks (sensible) in April at 3pm, Air Handler 1 (Fc), Group 0, 1.0 x 16.6, Construction Type: 1 (Light)								
Roof-1-1-Susp.C-L	17	0.50	20.4	2.210	749		6.630	110
Partition-1-2	66		4/8	2.210	583		17.680	1,167

CONFORME

MANUEL DONATO GARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 63138

CONSORCIO CONSULTOR SAUL GARRIDO
C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

GOBIERNO REGIONAL
SUBGERENCIA DE ESTUDIOS

ARQ. DAVID HECTOR TORRES PUENTE
CAP. 5776
JEFE DE SUPERVISIÓN

Nestor Enrique Ruiz
Ingeniero Mecánico
Reg. CIP 298[illegible]

EDWARD CERON TORRES
JEFE DE PROYECTO
C.I.P. N° 61778

Zone Detailed Loads (At Zone Peak Times) (cont'd)

Load Description	Unit Quan	-SC- CFAC	CLTD SHGF	U.Fac -CLF-	Sen. Gain	Lat. Gain	Htg. Mult.	Htg. Loss
Lights-Prof=1	166	1.000			166			
Equipment-Prof=1	450	1.000			450	0		
People-Prof=1	2.0	1.000			140	90		
Sub-total					2,088	90		1,277
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,193	94		1,379

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Zone 212-345 Sala Hosptt Pediatria Escolar peaks (sensible) in April at 2pm, Air Handler 27 (Uma-n3-hosp.ped), Group 0, 1.0 x 24.6, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	25	0.50	20.4	2.210	1,110		8.840	217
Wall-2-ENE-B-M	11	0.83	8.9	2.000	197		8.000	89
Partition-1-2	76		4/8	2.210	672		17.680	1,344
Gls-ENE-1-90-Tran	2.5	1.000	6	5.700	85		23.200	58
0%S-0-WS-Solar	2.5	0.700	647	0.239	273			
Lights-Prof=1	246	1.000			246			
Equipment-Prof=1	450	1.000			450	0		
People-Prof=1	2.0	1.000			160	160		
Sub-total					3,192	160		1,708
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					3,352	168		1,845

Zone 213-347 Sala Hosptt Pediatria Escolar peaks (sensible) in April at 2pm, Air Handler 27 (Uma-n3-hosp.ped), Group 0, 1.0 x 24.6, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	25	0.50	20.4	2.210	1,110		8.840	217
Wall-2-ENE-B-M	11	0.83	8.9	2.000	197		8.000	89
Partition-1-2	76		4/8	2.210	672		17.680	1,344
Gls-ENE-1-90-Tran	2.5	1.000	6	5.700	85		23.200	58
0%S-0-WS-Solar	2.5	0.700	647	0.239	273			
Lights-Prof=1	246	1.000			246			
Equipment-Prof=1	450	1.000			450	0		
People-Prof=1	2.0	1.000			160	160		
Sub-total					3,192	160		1,708
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					3,352	168		1,845

CONSORCIO CONSULTOR SAUL GARRIDO
CONFORME
C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

Nestor Enrique Ruiz
Ingeniero Mecánico
Reg. CIP 298603

Zone 214-348 Cuarto Tecnico peaks (sensible) in January at 3pm, Air Handler 10 (Dx), Group 0, 1.0 x 10.4, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	10	0.50	22.2	2.210	510		6.630	69
Partition-1-2	52.4		4/8	2.210	463		17.680	926
Lights-Prof=1	104	1.000			104			
Equipment-Prof=1	1,500	1.000			1,500	0		
People-Prof=1	1.0	1.000			83	83		
Sub-total					2,661	83		995
Safety factors:					+5%	+5%		+8%

GOBIERNO REGIONAL SUB GERENCIA DE ESTUDIOS

MANUEL DONATO GARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 69138

EDWARD CERON TORRES
JEFE DE PROYECTO
CIP N° 61770

Zone Detailed Loads (At Zone Peak Times) (cont'd)

Load Description	Unit Quan	-SC- CFAC	CLTD SHGF	U.Fac -CLF-	Sen. Gain	Lat. Gain	Htg. Mult.	Htg. Loss
Total w/ safety factors:					2,794	87		1,075

Zone 215-347 Sala De Telecom peaks (sensible) in January at 3pm, Air Handler 10 (Dx), Group 0, 1.0 x 10.4, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	10	0.50	22.2	2.210	510		6.630	69
Partition-1-2	67.6		4/8	2.210	598		17.680	1,195
Lights-Prof=1	104	1.000			104			
Equipment-Prof=1	1,500	1.000			1,500	0		
People-Prof=1	1.0	1.000			83	83		
Sub-total					2,795	83		1,264
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,935	87		1,365

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CAP. 5776
JEFE DE SUPERVISIÓN

Zone 216-352 Estación De Enfermeria peaks (sensible) in April at 3pm, Air Handler 1 (Fc), Group 0, 1.0 x 20.0, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	20	0.50	20.4	2.210	902		6.630	133
Partition-1-2	146.4		4/8	2.210	1,294		17.680	2,588
Lights-Prof=1	200	1.000			200			
Equipment-Prof=1	300	1.000			300	0		
People-Prof=1	3.0	1.000			225	180		
Sub-total					2,921	180		2,721
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					3,067	189		2,939

MANUEL DONATO GARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 69133

Zone 217-353 Atención Al Recien Nacido Sano peaks (sensible) in January at 3pm, Air Handler 27 (Uma-n3-hosp.ped), Group 0, 1.0 x 13.0, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	13	0.50	19.2	2.210	552		8.840	115
Wall-2-SSE-B-M	12	0.83	8.2	2.000	193		8.000	95
Partition-1-2	42.4		4/8	2.210	375		17.680	750
Gls-SSE-1-90-Tran	3.4	1.000	7	5.700	125		23.200	78
0%S-0-WS-Solar	3.4	0.700	493	0.342	396			
Lights-Prof=1	130	1.000			130			
Equipment-Prof=1	450	1.000			450	0		
People-Prof=1	2.0	1.000			140	90		
Sub-total					2,361	90		1,037
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,479	94		1,120

GOBIERNO REGIONAL SUR GERENCIA DE ESTUDIOS

CONSORCIO CONSULTOR SAUL GARRIDO
C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

CONFORME

Nestor Enrique Ruiz
Ingeniero Mecánico
Reg. CIP 29863

Zone 218-354 Atención Recién Nacido Patologico peaks (sensible) in January at 3pm, Air Handler 27 (Uma-n3-hosp.ped), Group 0, 1.0 x 16.3, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	16	0.50	19.2	2.210	692		8.840	144
Wall-2-SSE-B-M	10	0.83	8.2	2.000	161		8.000	79
Partition-1-2	52.8		4/8	2.210	467		17.680	934
Gls-SSE-1-90-Tran	3.4	1.000	7	5.700	125		23.200	78

EDWARD CERON TORRES
JEFE DE PROYECTO
C.I.P. N° 61778

Zone Detailed Loads (At Zone Peak Times) (cont'd)

Load Description	Unit Quan	-SC- CFAC	CLTD SHGF	U.Fac -CLF-	Sen. Gain	Lat. Gain	Htg. Mult.	Htg. Loss
0%S-0-WS-Solar	3.4	0.700	493	0.342	396			
Lights-Prof=1	163	1.000			163			
Equipment-Prof=1	600	1.000			600	0		
People-Prof=1	3.0	1.000			210	135		
Sub-total					2,813	135		1,234
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,954	142		1,333

Zone 219-357 Lactario peaks (sensible) in April at 3pm, Air Handler 1 (Fc), Group 0, 1.0 x 10.6, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	11	0.50	20.4	2.210	478		6.630	70
Partition-1-2	54.4		4/8	2.210	481		17.680	962
Lights-Prof=1	106	1.000			106			
Equipment-Prof=1	500	1.000			500	0		
People-Prof=1	3.0	1.000			240	240		
Sub-total					1,805	240		1,032
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,895	252		1,115

Zone 220-358 Sala De Juegos peaks (sensible) in May at 2pm, Air Handler 1 (Fc), Group 0, 1.0 x 13.4, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	13	0.50	19.4	2.210	576		6.630	89
Wall-2-NNW-B-M	10	0.83	6.1	2.000	120		6.000	59
Partition-1-2	47.2		4/8	2.210	417		17.680	834
Gls-NNW-1-90-Tran	2.5	1.000	5	5.700	76		17.400	44
0%S-0-WS-Solar	2.5	0.700	481	0.833	707			
Lights-Prof=1	134	1.000			134			
Equipment-Prof=1	402	1.000			402	0		
People-Prof=1	4.0	1.000			320	320		
Sub-total					2,752	320		1,026
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,890	336		1,109

Zone 221-359 Sala Hosp Pediatria Lactante peaks (sensible) in May at 2pm, Air Handler 27 (Uma-n3-hosp.ped), Group 0, 1.0 x 13.2, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	13	0.50	19.4	2.210	567		8.840	117
Wall-2-NNW-B-M	9	0.83	6.1	2.000	116		8.000	76
Partition-1-2	47.2		4/8	2.210	417		17.680	834
Gls-NNW-1-90-Tran	2.5	1.000	5	5.700	76		23.200	58
0%S-0-WS-Solar	2.5	0.700	481	0.833	707			
Lights-Prof=1	132	1.000			132			
Equipment-Prof=1	450	1.000			450	0		
People-Prof=1	3.0	1.000			240	240		
Sub-total					2,705	240		1,085

ARQ. DAVID HECTOR TORRES PUENTE
CAP. 5776
JEFE DE SUPERVISIÓN

CONFORME

MANUEL DONATO GARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 60136

Nestor Enrique Ruiz
Ingeniero Mecánico
Reg. CIP 29863

GOBIERNO REGIONAL
SUB GERENCIA DE ESTUDIOS

CONSORCIO CONSULTOR SAUL GARRIDO
C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

EDWARD CERON TORRES
JEFE DE PROYECTO
C.I.P. N° 61778

Zone Detailed Loads (At Zone Peak Times) (cont'd)

Load Description	Unit Quan	-SC- CFAC	CLTD SHGF	U.Fac -CLF-	Sen. Gain	Lat. Gain	Htg. Mult.	Htg. Loss
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,840	252		1,172

Zone 222-361 Sala Hosp Pediatria Adolesc peaks (sensible) in May at 2pm, Air Handler 27 (Uma-n3-hosp.ped), Group 0, 1.0 x 15.4, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	15	0.50	19.4	2.210	661		8.840	136
Wall-2-NNW-B-M	9	0.83	6.1	2.000	116		8.000	76
Partition-1-2	47.2		4/8	2.210	417		17.680	834
Gls-NNW-1-90-Tran	2.5	1.000	5	5.700	76		23.200	58
0%S-0-WS-Solar	2.5	0.700	481	0.833	707			
Lights-Prof=1	154	1.000			154			
Equipment-Prof=1	450	1.000			450	0		
People-Prof=1	3.0	1.000			240	240		
Sub-total					2,821	240		1,105
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,962	252		1,193

ARQ. DAVID HECTOR TORRES PUENTE
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Zone 223-365 Esclusa peaks (sensible) in April at 3pm, Air Handler 20 (Uma-n3-aisl.pediat), Group 0, 1.0 x 5.2, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	5	0.50	20.4	2.210	235		8.840	46
Partition-1-2	36.4		4/8	2.210	322		17.680	644
Lights-Prof=1	52	1.000			52			
Equipment-Prof=1	100	1.000			100	0		
People-Prof=1	1.0	1.000			80	80		
Sub-total					788	80		690
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					828	84		745

MANUEL DONATO CARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 69138

Nestor Enrique Ruiz
Ingeniero Mecánico
Reg. CIP 2[illegible]

Zone 224-366 Sala Hosp Pediatria Aislado peaks (sensible) in May at 2pm, Air Handler 20 (Uma-n3-aisl.pediat), Group 0, 1.0 x 15.4, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	15	0.50	19.4	2.210	661		8.840	136
Wall-2-NNW-B-M	11	0.83	6.1	2.000	140		8.000	92
Partition-1-2	49.2		4/8	2.210	435		17.680	870
Gls-NNW-1-90-Tran	2.5	1.000	5	5.700	76		23.200	58
0%S-0-WS-Solar	2.5	0.700	481	0.833	707			
Lights-Prof=1	154	1.000			154			
Equipment-Prof=1	450	1.000			450	0		
People-Prof=1	1.0	1.000			80	80		
Sub-total					2,703	80		1,156
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,839	84		1,249

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DNI Nº 21546425

CONFORME

EDWARD CERON TORRES
JEFE DE PROYECTO
C.I.P. Nº 61778

Zone Detailed Loads (At Zone Peak Times) (cont'd)

Zone 225-372 Sala Hosp Pediatria Pre Escolar peaks (sensible) in January at 3pm, Air Handler 19 (Uma-n3-hosp), Group 0, 1.0 x 24.9, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	25	0.50	19.2	2.210	1,056		8.840	220
Wall-2-SSE-B-M	12	0.83	8.2	2.000	193		8.000	95
Partition-1-2	84		4/8	2.210	743		17.680	1,485
Gls-SSE-1-90-Tran	3.4	1.000	7	5.700	125		23.200	78
0%S-0-WS-Solar	3.4	0.700	493	0.342	396			
Lights-Prof=1	249	1.000			249			
Equipment-Prof=1	450	1.000			450	0		
People-Prof=1	2.0	1.000			160	160		
Sub-total					3,372	160		1,878
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					3,541	168		2,028

ARQ. DAVID HECTOR TORRES PUENTE
CAP. 5776
JEFE DE SUPERVISION

Zone 226-374 Sala Hosp Pediatria Adolesc peaks (sensible) in January at 3pm, Air Handler 19 (Uma-n3-hosp), Group 0, 1.0 x 26.8, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	27	0.50	19.2	2.210	1,137		8.840	237
Wall-2-SSE-B-M	12	0.83	8.2	2.000	193		8.000	95
Partition-1-2	84		4/8	2.210	743		17.680	1,485
Gls-SSE-1-90-Tran	3.4	1.000	7	5.700	125		23.200	78
0%S-0-WS-Solar	3.4	0.700	493	0.342	396			
Lights-Prof=1	268	1.000			268			
Equipment-Prof=1	450	1.000			450	0		
People-Prof=1	2.0	1.000			160	160		
Sub-total					3,472	160		1,895
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					3,645	168		2,046

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Zone 227-376 Sala Hosp Obstetricia peaks (sensible) in January at 3pm, Air Handler 19 (Uma-n3-hosp), Group 0, 1.0 x 24.9, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	25	0.50	19.2	2.210	1,056		8.840	220
Wall-2-SSE-B-M	12	0.83	8.2	2.000	193		8.000	95
Partition-1-2	84		4/8	2.210	743		17.680	1,485
Gls-SSE-1-90-Tran	3.4	1.000	7	5.700	125		23.200	78
0%S-0-WS-Solar	3.4	0.700	493	0.342	396			
Lights-Prof=1	249	1.000			249			
Equipment-Prof=1	450	1.000			450	0		
People-Prof=1	2.0	1.000			160	160		
Sub-total					3,372	160		1,878
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					3,541	168		2,028

GOBIERNO REGIONAL SUB GERENCIA DE ESTUDIOS
CONFORME
CONSORCIO CONSULTOR SAUL GARRIDO
C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425
Nestor Enrique Ruiz
Ingeniero Mecánico
Reg. CIP 29863

Zone 228-378 Sala Hosp Obstetricia peaks (sensible) in January at 3pm, Air Handler 19 (Uma-n3-hosp), Group 0, 1.0 x 25.7, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	26	0.50	19.2	2.210	1,090		8.840	227
Wall-2-SSE-B-M	12	0.83	8.2	2.000	193		8.000	95
Partition-1-2	82.8		4/8	2.210	732		17.680	1,464
Gls-SSE-1-90-Tran	3.4	1.000	7	5.700	125		23.200	78

EDWARD CERON TORRES
JEFE DE PROYECTO
C.I.P. N° 61778

Zone Detailed Loads (At Zone Peak Times) (cont'd)

Load Description	Unit Quan	-SC- CFAC	CLTD SHGF	U.Fac -CLF-	Sen. Gain	Lat. Gain	Htg. Mult.	Htg. Loss
0%S-0-WS-Solar	3.4	0.700	493	0.342	396			
Lights-Prof=1	257	1.000			257			
Equipment-Prof=1	450	1.000			450	0		
People-Prof=1	2.0	1.000			160	160		
Sub-total					3,404	160		1,864
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					3,574	168		2,013

ARQ. DAVID HECTOR TORRES PUENTE
CAP. 5776
JEFE DE SUPERVISIÓN

Zone 229-380 Sala De Monitoreo De Gestante peaks (sensible) in January at 3pm, Air Handler 19 (Uma-n3-hosp), Group 0, 1.0 x 36.6, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	37	0.50	19.2	2.210	1,553		8.840	324
Wall-2-SSE-B-M	13	0.83	8.2	2.000	219		8.000	108
Partition-1-2	82.8		4/8	2.210	732		17.680	1,464
Gls-SSE-1-90-Tran	3.4	1.000	7	5.700	125		23.200	78
0%S-0-WS-Solar	3.4	0.700	493	0.342	396			
Lights-Prof=1	366	1.000			366			
Equipment-Prof=1	600	1.000			600	0		
People-Prof=1	2.0	1.000			160	160		
Sub-total					4,151	160		1,973
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					4,359	168		2,131

MANUEL DONATO GARCIA JAVE
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REG. CIP N° 69138

Zone 230-384 Topico De Procedimientos peaks (sensible) in April at 10am, Air Handler 1 (Fc), Group 0, 1.0 x 15.2, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	15	0.50	8.9	2.210	299		6.630	101
Wall-2-ENE-B-M	11	0.83	6.4	2.000	136		6.000	64
Partition-1-1	48.8		4/8	2.360	461		18.880	921
Gls-ENE-1-90-Tran	3.4	1.000	1	5.700	17		17.400	58
0%S-0-WS-Solar	3.4	0.700	647	0.716	1,089			
Lights-Prof=1	152	1.000			152			
Equipment-Prof=1	450	1.000			450	0		
People-Prof=1	2.0	1.000			140	90		
Sub-total					2,744	90		1,144
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					2,882	94		1,236

GOBIERNO REGIONAL SUBGERENCIA DE ESTUDIOS

CONFORME

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C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

Nestor Enrique Ruiz F.
Ingeniero Mecánico
Reg. CIP 29863

Zone 231-385 Sala De Espera Hosp Gineco peaks (sensible) in January at 2pm, Air Handler 1 (Fc), Group 0, 1.0 x 34.7, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	35	0.50	19.2	2.210	1,472		6.630	230
Wall-2-SSE-B-M	12	0.83	7.3	2.000	178		6.000	73
Partition-1-1	104.4		4/8	2.360	986		18.880	1,971
Gls-SSE-1-90-Tran	5.0	1.000	6	5.700	158		17.400	88
0%S-0-WS-Solar	5.0	0.700	493	0.372	647			
Lights-Prof=1	347	1.000			347			
Equipment-Prof=1	200	1.000			200	0		
People-Prof=1	12.0	1.000			960	960		

EDWARD CERON TORRES
JEFE DE PROYECTO
C.I.P. N° 61779

CONFORME

004904

Zone Detailed Loads (At Zone Peak Times) (cont'd)

Load Description	Unit Quan	-SC- CFAC	CLTD SHGF	U.Fac -CLF-	Sen. Gain	Lat. Gain	Htg. Mult.	Htg. Loss
Sub-total					4,949	960		2,362
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					5,196	1,008		2,551

Zone 232-387 Sala Hosp Adultos Varones peaks (sensible) in May at 2pm, Air Handler 25 (Uma-n3-hosp.adult), Group 0, 1.0 x 20.1, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	20	0.50	19.4	2.210	863		8.840	178
Wall-2-NNW-B-M	11	0.83	6.1	2.000	130		8.000	85
Partition-1-1	60		4/8	2.360	566		18.880	1,133
Gls-NNW-1-90-Tran	3.4	1.000	5	5.700	102		23.200	78
0%S-0-WS-Solar	3.4	0.700	481	0.833	942			
Lights-Prof=1	201	1.000			201			
Equipment-Prof=1	450	1.000			450	0		
People-Prof=1	2.0	1.000			161	161		
Sub-total					3,415	161		1,474
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					3,586	169		1,591

ARQ. DAVID HECTOR TORRES PUENTE
CAP. 5776
JEFE DE SUPERVISION

Zone 233-388 Sala Hosp Adultos Varones peaks (sensible) in May at 2pm, Air Handler 25 (Uma-n3-hosp.adult), Group 0, 1.0 x 20.1, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	20	0.50	19.4	2.210	863		8.840	178
Wall-2-NNW-B-M	11	0.83	6.1	2.000	130		8.000	85
Partition-1-1	60		4/8	2.360	566		18.880	1,133
Gls-NNW-1-90-Tran	3.4	1.000	5	5.700	102		23.200	78
0%S-0-WS-Solar	3.4	0.700	481	0.833	942			
Lights-Prof=1	201	1.000			201			
Equipment-Prof=1	450	1.000			450	0		
People-Prof=1	2.0	1.000			161	161		
Sub-total					3,415	161		1,474
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					3,586	169		1,591

GOBIERNO REGIONAL SUB GERENCIA DE ESTUDIOS

MANUEL LEONATO GARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 59138

Nestor Enrique Ruiz
Ingeniero Mecánico-
Reg. CIP 298591

Zone 234-392 Sala De Telecomun Iii peaks (sensible) in January at 3pm, Air Handler 10 (Dx), Group 0, 1.0 x 12.0, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	12	0.50	22.2	2.210	589		6.630	80
Partition-1-1	61.6		4/8	2.360	582		18.880	1,163
Lights-Prof=1	120	1.000			120			
Equipment-Prof=1	1,500	1.000			1,500	0		
People-Prof=1	1.2	1.000			96	96		
Sub-total					2,886	96		1,243
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					3,031	101		1,342

CONSORCIO CONSULTOR SAUL GARRIDO

C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

EDWARD CERON TORRES
JEFE DE PROYECTO
C.I.P. Nº

CONFORME

004903

Zone Detailed Loads (At Zone Peak Times) (cont'd)

Zone 235-393 Sala Hosp Adultos Varones peaks (sensible) in May at 2pm, Air Handler 25 (Uma-n3-hosp.adult), Group 0, 1.0 x 20.1, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	20	0.50	19.4	2.210	863		8.840	178
Wall-2-NNW-B-M	11	0.83	6.1	2.000	130		8.000	85
Partition-1-1	60		4/8	2.360	566		18.880	1,133
Gls-NNW-1-90-Tran	3.4	1.000	5	5.700	102		23.200	78
0%S-0-WS-Solar	3.4	0.700	481	0.833	942			
Lights-Prof=1	201	1.000			201			
Equipment-Prof=1	450	1.000			450	0		
People-Prof=1	2.0	1.000			161	161		
Sub-total					3,415	161		
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					3,586	169		1,591

ARQ. DAVID HECTOR TORRES PUENTE
CAP. 5776
JEFE DE SUPERVISIÓN

Zone 236-395 Esclusa peaks (sensible) in April at 3pm, Air Handler 21 (Uma-n3-aisl.adulto), Group 0, 1.0 x 8.0, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	8	0.50	20.4	2.210	361		8.840	71
Partition-1-1	49.2		4/8	2.360	464		18.880	929
Lights-Prof=1	80	1.000			80			
Equipment-Prof=1	100	1.000			100	0		
People-Prof=1	0.8	1.000			64	64		
Sub-total					1,069	64		1,000
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,123	67		1,080

MANUEL JONATO GARCIA DAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 69138

Zone 237-399 Sala De Ginecologia peaks (sensible) in January at 4pm, Air Handler 26 (Uma-n3-hosp.obst), Group 0, 1.0 x 19.0, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	19	0.50	18.2	2.210	764		8.840	168
Wall-2-WSW-B-M	10	0.83	5.2	2.000	101		8.000	79
Partition-1-1	59.2		4/8	2.360	559		18.880	1,118
Gls-WSW-1-90-Tran	3.4	1.000	7	5.700	125		23.200	78
0%S-0-WS-Solar	3.4	0.700	690	0.801	1,300			
Lights-Prof=1	190	1.000			190			
Equipment-Prof=1	450	1.000			450	0		
People-Prof=1	2.0	1.000			160	160		
Sub-total					3,649	160		1,442
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					3,831	168		1,558

Nestor Enrique Ruiz
Ingeniero Mecánico
Reg. CIP 298613

GOBIERNO REGIONAL
SUB GERENCIA DE ESTUDIOS

CONSORCIO CONSULTOR SAUL GARRIDO
C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

Zone 238-3102 Sala Hosp Adultos Aislado peaks (sensible) in May at 2pm, Air Handler 21 (Uma-n3-aisl.adulto), Group 0, 1.0 x 20.2, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	20	0.50	19.4	2.210	868		8.840	179
Wall-2-NNW-B-M	11	0.83	6.1	2.000	130		8.000	85
Partition-1-1	60		4/8	2.360	566		18.880	1,133
Gls-NNW-1-90-Tran	3.4	1.000	5	5.700	102		23.200	78
0%S-0-WS-Solar	3.4	0.700	481	0.833	942			
Lights-Prof=1	202	1.000			202			
Equipment-Prof=1	450	1.000			450	0		

EDWARD CERON TORRES
JEFE DE PROYECTO
C.I.P. N° 61778

CONFORME

Zone Detailed Loads (At Zone Peak Times) (cont'd)

Load Description	Unit Quan	-SC- CFAC	CLTD SHGF	U.Fac -CLF-	Sen. Gain	Lat. Gain	Htg. Mult.	Htg. Loss
People-Prof=1	1.0	1.000			80	80		
Sub-total					3,340	80		1,474
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					3,507	84		1,592

Zone 239-3104 Sala Hosp Obstetricia Aisl peaks (sensible) in January at 4pm, Air Handler 22 (Uma-n3-aisl.obst), Group 0, 1.0 x 20.4, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	20	0.50	18.2	2.210	820		8.840	180
Wall-2-WSW-B-M	11	0.83	5.2	2.000	114		8.000	88
Partition-1-1	60		4/8	2.360	566		18.880	1,133
Gls-WSW-1-90-Tran	3.4	1.000	7	5.700	125		23.200	78
0%S-0-WS-Solar	3.4	0.700	690	0.801	1,300			
Lights-Prof=1	204	1.000			204			
Equipment-Prof=1	450	1.000			450	0		
People-Prof=1	2.0	1.000			160	160		
Sub-total					3,739	160		1,479
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					3,926	168		1,598

ARQ. DAVID HECTOR TORRES PUENTE
CAP. 5776
JEFE DE SUPERVISIÓN

Zone 240-3105 Esclusa peaks (sensible) in April at 3pm, Air Handler 22 (Uma-n3-aisl.obst), Group 0, 1.0 x 8.0, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	8	0.50	20.4	2.210	361		8.840	71
Partition-1-1	47.6		4/8	2.360	449		18.880	899
Lights-Prof=1	80	1.000			80			
Equipment-Prof=1	240	1.000			240	0		
People-Prof=1	0.8	1.000			64	64		
Sub-total					1,194	64		969
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					1,254	67		1,047

MANUEL DONATO GARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 69108

Nestor Enrique Ruiz
Ingeniero Mecánico
Reg. CIP 29863

Zone 241-3108 Sala Hosp Ginecologia peaks (sensible) in January at 4pm, Air Handler 26 (Uma-n3-hosp.obst), Group 0, 1.0 x 19.0, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	19	0.50	18.2	2.210	764		8.840	168
Wall-2-WSW-B-M	10	0.83	5.2	2.000	101		8.000	79
Partition-1-1	59.2		4/8	2.360	559		18.880	1,118
Gls-WSW-1-90-Tran	3.4	1.000	7	5.700	125		23.200	78
0%S-0-WS-Solar	3.4	0.700	690	0.801	1,300			
Lights-Prof=1	190	1.000			190			
Equipment-Prof=1	450	1.000			450	0		
People-Prof=1	2.0	1.000			160	160		
Sub-total					3,649	160		1,442
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					3,831	168		1,558

GOBIERNO REGIONAL SUB GERENCIA DE ESTUDIOS

CONSORCIO CONSULTOR SAUL GARRIDO
C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

EDWARD CERON TORRES
JEFE DE PROYECTO
C.I.P. N° 61779

CONFORME

004901

Zone Detailed Loads (At Zone Peak Times) (cont'd)

Load Description	Unit Quan	-SC- CFAC	CLTD SHGF	U.Fac -CLF-	Sen. Gain	Lat. Gain	Htg. Mult.	Htg. Loss
Zone 242-3109 Sala Hosp Cesareas peaks (sensible) in January at 4pm, Air Handler 26 (Uma-n3-hosp.obst), Group 0, 1.0 x 20.2, Construction Type: 1 (Light)								
Roof-1-1-Susp.C-L	20	0.50	18.2	2.210	812		8.840	179
Wall-2-WSW-B-M	11	0.83	5.2	2.000	110		8.000	85
Partition-1-1	60		4/8	2.360	566		18.880	1,133
Gls-WSW-1-90-Tran	3.4	1.000	7	5.700	125		23.200	78
0%S-0-WS-Solar	3.4	0.700	690	0.801	1,300			
Lights-Prof=1	202	1.000			202			
Equipment-Prof=1	450	1.000			450	0		
People-Prof=1	2.0	1.000			160	160		
Sub-total					3,725	160		
Safety factors:					+5%	+5%	+8%	
Total w/ safety factors:					3,911	168		1,592
Zone 243-3112 Sala Hosp Cesareas peaks (sensible) in January at 4pm, Air Handler 26 (Uma-n3-hosp.obst), Group 0, 1.0 x 20.2, Construction Type: 1 (Light)								
Roof-1-1-Susp.C-L	20	0.50	18.2	2.210	812		8.840	179
Wall-2-WSW-B-M	11	0.83	5.2	2.000	110		8.000	85
Partition-1-1	60		4/8	2.360	566		18.880	1,133
Gls-WSW-1-90-Tran	3.4	1.000	7	5.700	125		23.200	78
0%S-0-WS-Solar	3.4	0.700	690	0.801	1,300			
Lights-Prof=1	202	1.000			202			
Equipment-Prof=1	450	1.000			450	0		
People-Prof=1	2.0	1.000			160	160		
Sub-total					3,725	160		1,474
Safety factors:					+5%	+5%	+8%	
Total w/ safety factors:					3,911	168		1,592
Zone 244-3115 Sala Hosp Cesareas peaks (sensible) in January at 4pm, Air Handler 26 (Uma-n3-hosp.obst), Group 0, 1.0 x 20.2, Construction Type: 1 (Light)								
Roof-1-1-Susp.C-L	20	0.50	18.2	2.210	812		8.840	179
Wall-2-WSW-B-M	11	0.83	5.2	2.000	110		8.000	85
Partition-1-1	60		4/8	2.360	566		18.880	1,133
Gls-WSW-1-90-Tran	3.4	1.000	7	5.700	125		23.200	78
0%S-0-WS-Solar	3.4	0.700	690	0.801	1,300			
Lights-Prof=1	202	1.000			202			
Equipment-Prof=1	450	1.000			450	0		
People-Prof=1	2.0	1.000			160	160		
Sub-total					3,725	160		1,474
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					3,911	168		1,592

ARQ. DAVID HÉCTOR TORRES SOLANTE
CAP. 5776
JEFE DE SUPERVISIÓN

Nestor Enrique Ruiz
Ingeniero Mecánico
Reg. CIP 298E3

GOBIERNO REGIONAL
SUB GERENCIA DE ESTUDIOS

CONSORCIO CONSULTOR SAUL GARRIDO
C.P.C. MARÍA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

MANUEL DONATO GARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 69138

EDWARD CERON TORRES
JEFE DE PROYECTO
C.I.P. N° 61778

CONFORME

004900

Zone Detailed Loads (At Zone Peak Times) (cont'd)

Zone 245-3116 Sala Hosp Cesareas peaks (sensible) in January at 4pm, Air Handler 26 (Uma-n3-hosp.obst), Group 0, 1.0 x 20.2, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	20	0.50	18.2	2.210	812		8.840	179
Wall-2-WSW-B-M	11	0.83	5.2	2.000	110		8.000	85
Partition-1-1	60		4/8	2.360	566		18.880	1,133
Gls-WSW-1-90-Tran	3.4	1.000	7	5.700	125		23.200	78
0%S-0-WS-Solar	3.4	0.700	690	0.801	1,300			
Lights-Prof=1	202	1.000			202			
Equipment-Prof=1	450	1.000			450	0		
People-Prof=1	2.0	1.000			160	160		
Sub-total					3,725	160		1,474
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					3,911	168		1,592

ARQ. DAVID HECTOR TORRES PUENTE
CAP. 5776
JEFE DE SUPERVISIÓN

Zone 246-3120 Sala Hosp Obstetricia peaks (sensible) in January at 4pm, Air Handler 26 (Uma-n3-hosp.obst), Group 0, 1.0 x 20.2, Construction Type: 1 (Light)

Roof-1-1-Susp.C-L	20	0.50	18.2	2.210	812		8.840	179
Wall-2-WSW-B-M	12	0.83	5.2	2.000	126		8.000	98
Partition-1-1	62		4/8	2.360	585		18.880	1,171
Gls-WSW-1-90-Tran	3.4	1.000	7	5.700	125		23.200	78
0%S-0-WS-Solar	3.4	0.700	690	0.801	1,300			
Lights-Prof=1	202	1.000			202			
Equipment-Prof=1	450	1.000			450	0		
People-Prof=1	2.0	1.000			160	160		
Sub-total					3,760	160		1,525
Safety factors:					+5%	+5%		+8%
Total w/ safety factors:					3,948	168		1,647

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CONSORCIO CONSULTOR SAUL GARRIDO
C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

Nestor Enrique Ruiz
Ingeniero Mecánico
Reg. CIP 29863

MANUEL DONATO GARCIA JAVE
ING. MECANICO ELECTRICISTA
REG. CIP N° 69138

EDWARD CERON TORRES
JEFE DE PROYECTO
C.I.P. N° 61778

CONFORME

004809

Air System #1 (Fc) Psychrometric Analysis

System Load Analysis	Latent	Grams	Sensible	Temp	L/s
Leaving Coil Condition		8.052		12.000	
Draw-Thru Fan			0	0.000	0
Misc Load on Supply Side			0	0.000	0
Supply Air Duct			3,899	0.100	288
Zone Loads	67,337	0.718	399,215	10.240	29,506
Sensible Reserve			25,733	0.660	1,902
Zone Condition	67,337	8.770	428,846	23.000	31,696
Return Air Duct			3,899	0.100	
Return Air Plenum			0	0.000	
Misc Load on Return Side			0	0.000	
Vent Air 6,067 L/s	165,080	1.760	52,240	1.321	
Blow-Thru Fan			3,947	0.101	
Entering Coil Condition	232,416	10.530	488,932	24.522	31,696

ARQ. DAVID HECTOR TORRES PUENTE
CAP. 5776
JEFE DE SUPERVISIÓN

General Psychrometric Equations Used In Analysis:

PR = (Barometric pressure of site / Standard ASHRAE pressure of 1010.387)
TSH = PR x 1.23 x L/s x (DB entering - DB leaving)
TLH = PR x 2.96 x L/s x (g/kg entering - g/kg leaving)
GTH = PR x 1.20 x L/s x (Enthalpy entering - Enthalpy leaving)

TSH	=	1.000	x	1.23	x	31,696	x (	24.522	-	12.000	) =	488,186	Watts
TLH	=	1.000	x	2.96	x	31,696	x (	10.530	-	8.052	) =	232,427	Watts
												---	
SUM	=											720,613	Watts
GTH	=	1.000	x	1.20	x	31,696	x (	51.545	-	32.465	) =	725,705	Watts
Total System Load											=	721,348	Watts

Chilled and Hot Water Flow Rates and Steam Requirement

Cooling L/s	=	725,705	/ (	5.00	x	4,179	)	=	34.7 L/s
Heating L/s	=	293,364	/ (	10.00	x	4,179	)	=	7.0 L/s
Steam Req.	=	293,364	/	970				=	302.44 kg./hr

Entering Cooling Coil Conditions

Dry bulb temperature:	24.52	
Wet bulb temperature:	18.25	
Relative humidity:	54.81	
Enthalpy:	51.55	kJ/kg

Entering Heating Coil Conditions

Dry bulb temperature:	19.86

Leaving Cooling Coil Conditions

Dry bulb temperature:	12.00	
Wet bulb temperature:	11.31	
Relative humidity:	92.36	
Enthalpy:	32.47	kJ/kg

Leaving Heating Coil Conditions

Dry bulb temperature:	35.00

MANUEL DONATO GARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 69138

CONSORCIO CONSULTOR SAUL GARRIDO

Nestor Enrique Ruiz F.
Ingeniero Mecánico
Reg. 63

C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

EDWARD CERON TORRES
JEFE DE PROYECTO
C.I.P. N° 61778

CONFORME

004898

Air System #2 (Uma-n1-obs) Psychrometric Analysis

System Load Analysis	Latent	Grams	Sensible	Temp	L/s
Leaving Coil Condition		8.459		12.000	
Draw-Thru Fan			0	0.000	0
Misc Load on Supply Side			0	0.000	0
Supply Air Duct			201	0.100	15
Zone Loads	1,491	0.309	21,879	10.900	1,617
Sensible Reserve			0	0.000	0
Zone Condition	1,491	8.768	22,080	23.000	1,632
Return Air Duct			201	0.100	
Return Air Plenum			0	0.000	
Misc Load on Return Side			0	0.000	
Vent Air 488 L/s	13,883	2.875	3,600	1.764	
Blow-Thru Fan			0	0.000	
Entering Coil Condition	15,374	11.642	25,881	24.864	1,632

ARQ. DAVID HECTOR TORRES PUENTE
CAP. 5776
JEFE DE SUPERVISIÓN

General Psychrometric Equations Used In Analysis:

PR = (Barometric pressure of site / Standard ASHRAE pressure of 1010.387)
TSH = PR x 1.23 x L/s x (DB entering - DB leaving)
TLH = PR x 2.96 x L/s x (g/kg entering - g/kg leaving)
GTH = PR x 1.20 x L/s x (Enthalpy entering - Enthalpy leaving)

TSH	=	1.000	x	1.23	x	1,632	x (	24.864	-	12.000	) =	25,822	Watts
TLH	=	1.000	x	2.96	x	1,632	x (	11.642	-	8.459	) =	15,378	Watts
SUM	=											---	
												41,200	Watts
GTH	=	1.000	x	1.20	x	1,632	x (	54.730	-	33.492	) =	41,593	Watts
Total System Load											=	39,150	Watts

Chilled and Hot Water Flow Rates and Steam Requirement

Cooling L/s	=	41,593	/ (	5.00	x	4,179	)	=	2.0	L/s
Heating L/s	=	19,235	/ (	10.00	x	4,179	)	=	0.5	L/s
Steam Req.	=	19,235	/	970				=	19.83	kg./hr

Entering Cooling Coil Conditions

Dry bulb temperature:	24.86	
Wet bulb temperature:	19.23	
Relative humidity:	59.27	
Enthalpy:	54.73	kJ/kg

Entering Heating Coil Conditions

Dry bulb temperature:	20.60

Leaving Cooling Coil Conditions

Dry bulb temperature:	12.00	
Wet bulb temperature:	11.73	
Relative humidity:	96.95	
Enthalpy:	33.49	kJ/kg

Leaving Heating Coil Conditions

Dry bulb temperature:	32.00

GOBIERNO REGIONAL SUB GERENCIA DE ESTUDIOS

MANUEL DONATO GARCIA JAVE
ING. MECANICO ELECTRICISTA
REG. CIP N° 69138

Nestor Enrique Ruiz P.
Ingeniero Mecánico
Reg. CIP

CONSORCIO CONSULTOR SAUL GARRIDO
C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

EDWARD CERON TORRES
JEFE DE PROYECTO
C.I.P. N° 61778

CONFORME

004897

Air System #3 (Uma-n1-laboratorio) Psychrometric Analysis

System Load Analysis	Latent	Grams	Sensible	Temp	L/s
Leaving Coil Condition		8.069		12.000	
Draw-Thru Fan			0	0.000	0
Misc Load on Supply Side			0	0.000	0
Supply Air Duct			121	0.100	9
Zone Loads	2,037	0.701	12,922	10.698	955
Sensible Reserve			244	0.202	18
Zone Condition	2,037	8.770	13,287	23.000	982
Return Air Duct			0	0.000	
Return Air Plenum			0	0.000	
Misc Load on Return Side			0	0.000	
Vent Air 982 L/s	27,948	9.615	7,247	6.000	
Blow-Thru Fan			734	11.607	
Entering Coil Condition	29,985	18.385	21,268	29.607	982

ARQ. DAVID HECTOR TORRES FUENTE
CAP. 5776
JEFE DE SUPERVISIÓN

General Psychrometric Equations Used In Analysis:

PR = (Barometric pressure of site / Standard ASHRAE pressure of 1010.387)
TSH = PR x 1.23 x L/s x (DB entering - DB leaving)
TLH = PR x 2.96 x L/s x (g/kg entering - g/kg leaving)
GTH = PR x 1.20 x L/s x (Enthalpy entering - Enthalpy leaving)

TSH	=	1.000	x	1.23	x	982	x (	29.607	-	12.000	) =	21,268	Watts
TLH	=	1.000	x	2.96	x	982	x (	18.385	-	8.069	) =	29,986	Watts
SUM	=											---	
												51,255	Watts
GTH	=	1.000	x	1.20	x	982	x (	76.836	-	32.508	) =	52,239	Watts
Total System Load											=	51,017	Watts

Chilled and Hot Water Flow Rates and Steam Requirement

Cooling L/s	=	52,239	/ (	5.00	x	4,179	)	=	2.5 L/s
Heating L/s	=	12,358	/ (	10.00	x	4,179	)	=	0.3 L/s
Steam Req.	=	12,358	/	970				=	12.74 kg./hr

Entering Cooling Coil Conditions

Dry bulb temperature:	29.61	
Wet bulb temperature:	25.16	
Relative humidity:	70.11	
Enthalpy:	76.84	kJ/kg

Entering Heating Coil Conditions

Dry bulb temperature:	18.00

Leaving Cooling Coil Conditions

Dry bulb temperature:	12.00	
Wet bulb temperature:	11.33	
Relative humidity:	92.55	
Enthalpy:	32.51	kJ/kg

Leaving Heating Coil Conditions

Dry bulb temperature:	35.00

GOBIERNO REGIONAL SUB GERENCIA DE ESTUDIOS

MANUEL GONATO GARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 69138

Nestor Enrique Ruiz
Ingeniero Mecánico
Re... 63

CONSORCIO CONSULTOR SAUL GARRIDO
C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

EDWARD CERON TORRES
JEFE DE PROYECTO
C.I.P. N° 61778

CONFORME

004896

Air System #4 (Uma-n1-aisl.obse) Psychrometric Analysis

System Load Analysis	Latent	Grams	Sensible	Temp	L/s
Leaving Coil Condition		8.423		12.000	
Draw-Thru Fan			0	0.000	0
Misc Load on Supply Side			0	0.000	0
Supply Air Duct			29	0.100	2
Zone Loads	242	0.347	2,396	8.280	177
Sensible Reserve			758	2.619	56
Zone Condition	242	8.770	3,183	23.000	235
Return Air Duct			0	0.000	
Return Air Plenum			0	0.000	
Misc Load on Return Side			0	0.000	
Vent Air 235 L/s	6,695	9.615	1,736	6.000	
Blow-Thru Fan			176	0.607	
Entering Coil Condition	6,937	18.385	5,095	29.607	235

ARQ. DAVID HECTOR TORRES PUENTE
CAP. 5776
JEFE DE SUPERVISIÓN

General Psychrometric Equations Used In Analysis:

PR = (Barometric pressure of site / Standard ASHRAE pressure of 1010.387)
TSH = PR x 1.23 x L/s x (DB entering - DB leaving)
TLH = PR x 2.96 x L/s x (g/kg entering - g/kg leaving)
GTH = PR x 1.20 x L/s x (Enthalpy entering - Enthalpy leaving)

TSH	=	1.000	x	1.23	x	235	x (	29.607	-	12.000	) =	5,095	Watts
TLH	=	1.000	x	2.96	x	235	x (	18.385	-	8.423	) =	6,937	Watts
SUM	=											---	
												12,032	Watts
GTH	=	1.000	x	1.20	x	235	x (	76.836	-	33.402	) =	12,262	Watts
Total System Load											=	12,032	Watts

Chilled and Hot Water Flow Rates and Steam Requirement

Cooling L/s	=	12,262	/ (	5.00	x	4,179	)	=	0.6	L/s
Heating L/s	=	3,547	/ (	10.00	x	4,179	)	=	0.1	L/s
Steam Req.	=	3,547	/	970				=	3.66	kg./hr

Entering Cooling Coil Conditions

Dry bulb temperature:	29.61	
Wet bulb temperature:	25.16	
Relative humidity:	70.11	
Enthalpy:	76.84	kJ/kg

Entering Heating Coil Conditions

Dry bulb temperature:	18.00

Leaving Cooling Coil Conditions

Dry bulb temperature:	12.00	
Wet bulb temperature:	11.69	
Relative humidity:	96.56	
Enthalpy:	33.40	kJ/kg

Leaving Heating Coil Conditions

Dry bulb temperature:	35.00

GOBIERNO REGIONAL SUB GERENCIA DE ESTUDIOS

MANUEL DONATO GARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 69138

Nestor Enrique Ruiz
Ingeniero Mecánico
Reg. CIP 29863

CONSORCIO CONSULTOR SAUL GARRIDO
C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

EDWARD CERON TORRES
JEFE DE PROYECTO
C.I.P. N° 61770

CONFORME

004895

Air System #6 (Uma-n1-vih) Psychrometric Analysis

System Load Analysis	Latent	Grams	Sensible	Temp	L/s
Leaving Coil Condition		8.218		12.000	
Draw-Thru Fan			0	0.000	0
Misc Load on Supply Side			0	0.000	0
Supply Air Duct			76	0.100	6
Zone Loads	1,008	0.553	7,501	9.896	554
Sensible Reserve			761	1.004	56
Zone Condition	1,008	8.770	8,337	23.000	616
Return Air Duct			0	0.000	
Return Air Plenum			0	0.000	
Misc Load on Return Side			0	0.000	
Vent Air 616 L/s	16,767	9.192	5,306	7.000	
Blow-Thru Fan			460	0.607	
Entering Coil Condition	17,775	17.962	14,104	30.607	616

ARQ. DAVID HECTOR TORRES PUENTE
CAP. 5776
JEFE DE SUPERVISIÓN

General Psychrometric Equations Used In Analysis:

PR = (Barometric pressure of site / Standard ASHRAE pressure of 1010.387)
TSH = PR x 1.23 x L/s x (DB entering - DB leaving)
TLH = PR x 2.96 x L/s x (g/kg entering - g/kg leaving)
GTH = PR x 1.20 x L/s x (Enthalpy entering - Enthalpy leaving)

TSH	=	1.000	x	1.23	x	616	x (	30.607	-	12.000	) =	14,104	Watts
TLH	=	1.000	x	2.96	x	616	x (	17.962	-	8.218	) =	17,775	Watts
SUM	=											---	
												31,879	Watts
GTH	=	1.000	x	1.20	x	616	x (	76.794	-	32.883	) =	32,472	Watts
Total System Load											=	31,878	Watts

Chilled and Hot Water Flow Rates and Steam Requirement

Cooling L/s	=	32,472	/ (	5.00	x	4,179	)	=	1.6	L/s
Heating L/s	=	6,759	/ (	10.00	x	4,179	)	=	0.2	L/s
Steam Req.	=	6,759	/	970				=	6.97	kg./hr

Entering Cooling Coil Conditions			Entering Heating Coil Conditions	
Dry bulb temperature:	30.61		Dry bulb temperature:	18.00
Wet bulb temperature:	25.16			
Relative humidity:	64.73			
Enthalpy:	76.79	kJ/kg		

Leaving Cooling Coil Conditions			Leaving Heating Coil Conditions	
Dry bulb temperature:	12.00		Dry bulb temperature:	35.00
Wet bulb temperature:	11.48			
Relative humidity:	94.20			
Enthalpy:	32.88	kJ/kg		

MANUEL DONATO GARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 69136

Nestor Enrique Ruiz
Ingeniero Mecánico
Reg. CIP 29863

CONSORCIO CONSULTOR SAUL GARRIDO
C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

EDWARD CERON TORRES
JEFE DE PROYECTO
C.I.P. N° 61779

CONFORME

004804

Air System #7 (Uma-n1-tbc) Psychrometric Analysis

System Load Analysis	Latent	Grams	Sensible	Temp	L/s
Leaving Coil Condition		8.353		12.000	
Draw-Thru Fan			0	0.000	0
Misc Load on Supply Side			0	0.000	0
Supply Air Duct			42	0.100	3
Zone Loads	420	0.417	4,244	10.132	314
Sensible Reserve			321	0.767	24
Zone Condition	420	8.770	4,607	23.000	341
Return Air Duct			0	0.000	
Return Air Plenum			0	0.000	
Misc Load on Return Side			0	0.000	
Vent Air 341 L/s	9,265	9.192	2,932	7.000	
Blow-Thru Fan			254	0.607	
Entering Coil Condition	9,685	17.962	7,793	30.607	341

ARQ. DAVID HECTOR TORRES PUENTE
CAP. 5776
JEFE DE SUPERVISIÓN

General Psychrometric Equations Used In Analysis:

PR = (Barometric pressure of site / Standard ASHRAE pressure of 1010.387)
TSH = PR x 1.23 x L/s x (DB entering - DB leaving)
TLH = PR x 2.96 x L/s x (g/kg entering - g/kg leaving)
GTH = PR x 1.20 x L/s x (Enthalpy entering - Enthalpy leaving)

TSH	=	1.000	x	1.23	x	341	x (	30.607	-	12.000	) =	7,794	Watts
TLH	=	1.000	x	2.96	x	341	x (	17.962	-	8.353	) =	9,685	Watts
SUM	=											17,479	Watts
GTH	=	1.000	x	1.20	x	341	x (	76.794	-	33.226	) =	17,804	Watts
Total System Load											=	17,457	Watts

Chilled and Hot Water Flow Rates and Steam Requirement

Cooling L/s	=	17,804	/ (	5.00	x	4,179	) =	0.9	L/s
Heating L/s	=	2,614	/ (	10.00	x	4,179	) =	0.1	L/s
Steam Req.	=	2,614	/	970			=	2.70	kg./hr

Entering Cooling Coil Conditions

Dry bulb temperature:	30.61	
Wet bulb temperature:	25.16	
Relative humidity:	64.73	
Enthalpy:	76.79	kJ/kg

Entering Heating Coil Conditions

Dry bulb temperature:	18.00

Leaving Cooling Coil Conditions

Dry bulb temperature:	12.00	
Wet bulb temperature:	11.62	
Relative humidity:	95.73	
Enthalpy:	33.23	kJ/kg

Leaving Heating Coil Conditions

Dry bulb temperature:	35.00

GOBIERNO REGIONAL SUBGERENCIA DE ESTUDIOS

MANUEL BONATO GARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 69138

Nestor Enrique Ruiz R.
Ingeniero Mecánico
Reg. CIP 29866

CONSORCIO CONSULTOR SAUL GARRIDO
C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

EDWARD CERON TORRES
JEFE DE PROYECTO
C.I.P. N° 61778

CONFORME

004803

Air System #8 (Uma-n2-sm) Psychrometric Analysis

System Load Analysis	Latent	Grams	Sensible	Temp	L/s
Leaving Coil Condition		7.930		12.000	
Draw-Thru Fan			0	0.000	0
Misc Load on Supply Side			0	0.000	0
Supply Air Duct			58	0.100	4
Zone Loads	1,176	0.840	5,216	8.962	385
Sensible Reserve			1,128	1.937	83
Zone Condition	1,176	8.770	6,401	23.000	473
Return Air Duct			0	0.000	
Return Air Plenum			0	0.000	
Misc Load on Return Side			0	0.000	
Vent Air 473 L/s	12,873	9.192	4,074	7.000	
Blow-Thru Fan			354	0.607	
Entering Coil Condition	14,049	17.962	10,829	30.607	473

ARQ. DAVID HECTOR TORRES PUENTE
CAP. 5776
JEFE DE SUPERVISIÓN

General Psychrometric Equations Used In Analysis:

PR = (Barometric pressure of site / Standard ASHRAE pressure of 1010.387)
TSH = PR x 1.23 x L/s x (DB entering - DB leaving)
TLH = PR x 2.96 x L/s x (g/kg entering - g/kg leaving)
GTH = PR x 1.20 x L/s x (Enthalpy entering - Enthalpy leaving)

TSH	=	1.000	x	1.23	x	473	x (	30.607	-	12.000	) =	10,829	Watts
TLH	=	1.000	x	2.96	x	473	x (	17.962	-	7.930	) =	14,050	Watts
SUM	=											---	
												24,879	Watts
GTH	=	1.000	x	1.20	x	473	x (	76.794	-	32.158	) =	25,344	Watts
Total System Load											=	24,878	Watts

Chilled and Hot Water Flow Rates and Steam Requirement

Cooling L/s	=	25,344	/ (	5.00	x	4,179	)	=	1.2 L/s
Heating L/s	=	1,392	/ (	10.00	x	4,179	)	=	0.0 L/s
Steam Req.	=	1,392	/	970				=	1.43 kg./hr

Entering Cooling Coil Conditions

Dry bulb temperature:	30.61	
Wet bulb temperature:	25.16	
Relative humidity:	64.73	
Enthalpy:	76.79	kJ/kg

Entering Heating Coil Conditions

Dry bulb temperature:	18.00

Leaving Cooling Coil Conditions

Dry bulb temperature:	12.00	
Wet bulb temperature:	11.19	
Relative humidity:	90.97	
Enthalpy:	32.16	kJ/kg

Leaving Heating Coil Conditions

Dry bulb temperature:	35.00

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MANUEL DONATO GARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 69138

CONSORCIO CONSULTOR SAUL GARRIDO
C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 31588225

Nestor Enrique Ruiz R
Ingeniero Mecánico
Reg. CIP 29866

EDWARD CERON TORRES
JEFE DE PROYECTO
C.I.P. N° 61778

CONFORME

004892

Air System #9 (Uma-n2-dil) Psychrometric Analysis

System Load Analysis	Latent	Grams	Sensible	Temp	L/s
Leaving Coil Condition		8.512		12.000	
Draw-Thru Fan			0	0.000	0
Misc Load on Supply Side			0	0.000	0
Supply Air Duct			154	0.100	11
Zone Loads	954	0.258	12,931	8.410	956
Sensible Reserve			3,829	2.490	283
Zone Condition	954	8.770	16,913	23.000	1,250
Return Air Duct			154	0.100	
Return Air Plenum			0	0.000	
Misc Load on Return Side			0	0.000	
Vent Air 199 L/s	5,423	1.466	1,716	1.400	
Blow-Thru Fan			0	0.000	
Entering Coil Condition	6,378	10.236	18,783	24.200	1,250

ARQ. DAVID HECTOR TORRES PUENTE
CAP. 3976
JEFE DE SUPERVISIÓN

General Psychrometric Equations Used In Analysis:

PR = (Barometric pressure of site / Standard ASHRAE pressure of 1010.387)
TSH = PR x 1.23 x L/s x (DB entering - DB leaving)
TLH = PR x 2.96 x L/s x (g/kg entering - g/kg leaving)
GTH = PR x 1.20 x L/s x (Enthalpy entering - Enthalpy leaving)

TSH	=	1.000	x	1.23	x	1,250	x (	24.200	-	12.000	) =	18,759	Watts
TLH	=	1.000	x	2.96	x	1,250	x (	10.236	-	8.512	) =	6,378	Watts
												---	
SUM	=											25,137	Watts
GTH	=	1.000	x	1.20	x	1,250	x (	50.468	-	33.626	) =	25,264	Watts
Total System Load											=	25,161	Watts

Chilled and Hot Water Flow Rates and Steam Requirement

Cooling L/s	=	25,264	/ (	5.00	x	4,179	)	=	1.2	L/s
Heating L/s	=	9,032	/ (	10.00	x	4,179	)	=	0.2	L/s
Steam Req.	=	9,032	/	970				=	9.31	kg./hr

Entering Cooling Coil Conditions			Entering Heating Coil Conditions	
Dry bulb temperature:	24.20		Dry bulb temperature:	20.80
Wet bulb temperature:	17.90			
Relative humidity:	54.35			
Enthalpy:	50.47	kJ/kg		

Leaving Cooling Coil Conditions			Leaving Heating Coil Conditions	
Dry bulb temperature:	12.00		Dry bulb temperature:	32.00
Wet bulb temperature:	11.78			
Relative humidity:	97.53			
Enthalpy:	33.63	kJ/kg		

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MANUEL BONATO GARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 69138

Nestor Enrique Ruiz R.
Ingeniero Mecánico
Reg. CIP 29866

CONSORCIO CONSULTOR SAUL GARRIDO

C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

EDWARD CERON TORRES
JEFE DE PROYECTO
C.I.P. Nº 61...

CONFORME

004891

Air System #10 (Dx) Psychrometric Analysis

System Load Analysis	Latent	Grams	Sensible	Temp	L/s
Leaving Coil Condition		7.123		12.000	
Draw-Thru Fan			0	0.000	0
Misc Load on Supply Side			0	0.000	0
Supply Air Duct			898	0.100	91
Zone Loads	3,423	0.158	69,469	7.735	7,060
Sensible Reserve			1,485	0.165	151
Zone Condition	3,423	7.281	71,852	20.000	7,302
Return Air Duct			898	0.100	
Return Air Plenum			0	0.000	
Misc Load on Return Side			0	0.000	
Vent Air 580 L/s	15,548	0.719	7,128	0.786	
Blow-Thru Fan			909	0.101	
Entering Coil Condition	18,971	8.001	80,787	20.987	7,302

ARQ. DAVID HECTOR TORRES PUENTE
CAP. 5776
JEFE DE SUPERVISIÓN

General Psychrometric Equations Used In Analysis:

PR = (Barometric pressure of site / Standard ASHRAE pressure of 1010.387)
TSH = PR x 1.23 x L/s x (DB entering - DB leaving)
TLH = PR x 2.96 x L/s x (g/kg entering - g/kg leaving)
GTH = PR x 1.20 x L/s x (Enthalpy entering - Enthalpy leaving)

TSH	=	1.000	x	1.23	x	7,302	x (	20.987	-	12.000	) =	80,716	Watts
TLH	=	1.000	x	2.96	x	7,302	x (	8.001	-	7.123	) =	18,972	Watts
SUM	=											---	
												99,688	Watts
GTH	=	1.000	x	1.20	x	7,302	x (	41.499	-	30.120	) =	99,710	Watts
Total System Load											=	99,758	Watts

Chilled and Hot Water Flow Rates and Steam Requirement

Cooling L/s	=	99,710	/ (	5.00	x	4,179	)	=	4.8	L/s
Heating L/s	=	32,138	/ (	10.00	x	4,179	)	=	0.8	L/s
Steam Req.	=	32,138	/	970				=	33.13	kg./hr

Entering Cooling Coil Conditions

Dry bulb temperature:	20.99	
Wet bulb temperature:	14.84	
Relative humidity:	51.82	
Enthalpy:	41.50	kJ/kg

Entering Heating Coil Conditions

Dry bulb temperature:	20.02

Leaving Cooling Coil Conditions

Dry bulb temperature:	12.00	
Wet bulb temperature:	10.34	
Relative humidity:	81.84	
Enthalpy:	30.12	kJ/kg

Leaving Heating Coil Conditions

Dry bulb temperature:	35.00

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MANUEL DONATO GARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 69138

Nestor Enrique Ruiz
Ingeniero Mecánico
Reg. CIP 298[illegible]3

CONSORCIO CONSULTOR SAUL GARRIDO
C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

EDWARD CERON TORRES
JEFE DE PROYECTO
C.I.P. N° 61[illegible]

CONFORME

004890

Air System #11 (Uma-n2-sp) Psychrometric Analysis

System Load Analysis	Latent	Grams	Sensible	Temp	L/s
Leaving Coil Condition		8.417		12.000	
Draw-Thru Fan			0	0.000	0
Misc Load on Supply Side			0	0.000	0
Supply Air Duct			52	0.100	4
Zone Loads	441	0.353	3,761	7.252	278
Sensible Reserve			1,891	3.647	140
Zone Condition	441	8.770	5,704	23.000	422
Return Air Duct			0	0.000	
Return Air Plenum			0	0.000	
Misc Load on Return Side			0	0.000	
Vent Air 422 L/s	11,471	9.192	3,630	7.000	
Blow-Thru Fan			315	0.607	
Entering Coil Condition	11,912	17.962	9,649	30.607	422

ARQ. DAVID HECTOR TORRES PUENTE
CAP. 5776
JEFE DE SUPERVISIÓN

General Psychrometric Equations Used In Analysis:

PR = (Barometric pressure of site / Standard ASHRAE pressure of 1010.387)
TSH = PR x 1.23 x L/s x (DB entering - DB leaving)
TLH = PR x 2.96 x L/s x (g/kg entering - g/kg leaving)
GTH = PR x 1.20 x L/s x (Enthalpy entering - Enthalpy leaving)

TSH	=	1.000	x	1.23	x	422	x (	30.607	-	12.000	) =	9,649	Watts
TLH	=	1.000	x	2.96	x	422	x (	17.962	-	8.417	) =	11,912	Watts
SUM	=											21,562	Watts
GTH	=	1.000	x	1.20	x	422	x (	76.794	-	33.385	) =	21,962	Watts
Total System Load											=	21,561	Watts

Chilled and Hot Water Flow Rates and Steam Requirement

Cooling L/s	=	21,962	/ (	5.00	x	4,179	)	=	1.1 L/s
Heating L/s	=	2,273	/ (	10.00	x	4,179	)	=	0.1 L/s
Steam Req.	=	2,273	/	970				=	2.34 kg./hr

Entering Cooling Coil Conditions

Dry bulb temperature:	30.61	
Wet bulb temperature:	25.16	
Relative humidity:	64.73	
Enthalpy:	76.79	kJ/kg

Entering Heating Coil Conditions

Dry bulb temperature:	18.00

Leaving Cooling Coil Conditions

Dry bulb temperature:	12.00	
Wet bulb temperature:	11.68	
Relative humidity:	96.47	
Enthalpy:	33.39	kJ/kg

Leaving Heating Coil Conditions

Dry bulb temperature:	35.00

MANUEL DONATO GARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 69138

Nestor Enrique Ruiz
Ingeniero Mecánico
Reg. CIP 29866

GOBIERNO REGIONAL
SUB GERENCIA DE ESTUDIOS

CONSORCIO CONSULTOR SAUL GARRIDO
C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

EDWARD CERON TORRES
JEFE DE PROYECTO
C.I.P. N° 61778

CONFORME

004889

Air System #12 (Uma-n2-so-gin) Psychrometric Analysis

System Load Analysis	Latent	Grams	Sensible	Temp	L/s
Leaving Coil Condition		8.010		12.000	
Draw-Thru Fan			0	0.000	0
Misc Load on Supply Side			0	0.000	0
Supply Air Duct			69	0.100	5
Zone Loads	1,260	0.760	6,797	9.865	502
Sensible Reserve			712	1.034	53
Zone Condition	1,260	8.770	7,579	23.000	560
Return Air Duct			0	0.000	
Return Air Plenum			0	0.000	
Misc Load on Return Side			0	0.000	
Vent Air 560 L/s	15,241	9.192	4,823	7.000	
Blow-Thru Fan			419	0.607	
Entering Coil Condition	16,501	17.962	12,820	30.607	560

ARQ. DAVID HECTOR TORRES PUENTE
CAP. 5776
JEFE DE SUPERVISION

General Psychrometric Equations Used In Analysis:

PR = (Barometric pressure of site / Standard ASHRAE pressure of 1010.387)
TSH = PR x 1.23 x L/s x (DB entering - DB leaving)
TLH = PR x 2.96 x L/s x (g/kg entering - g/kg leaving)
GTH = PR x 1.20 x L/s x (Enthalpy entering - Enthalpy leaving)

TSH	=	1.000	x	1.23	x	560	x (	30.607	-	12.000	) =	12,821	Watts
TLH	=	1.000	x	2.96	x	560	x (	17.962	-	8.010	) =	16,502	Watts
SUM	=											---	
												29,323	Watts
GTH	=	1.000	x	1.20	x	560	x (	76.794	-	32.359	) =	29,870	Watts
Total System Load											=	29,321	Watts

Chilled and Hot Water Flow Rates and Steam Requirement

Cooling L/s	=	29,870	/ (	5.00	x	4,179	)	=	1.4 L/s
Heating L/s	=	3,347	/ (	10.00	x	4,179	)	=	0.1 L/s
Steam Req.	=	3,347	/	970				=	3.45 kg./hr

Entering Cooling Coil Conditions

Dry bulb temperature:	30.61	
Wet bulb temperature:	25.16	
Relative humidity:	64.73	
Enthalpy:	76.79	kJ/kg

Entering Heating Coil Conditions

Dry bulb temperature:	18.00

Leaving Cooling Coil Conditions

Dry bulb temperature:	12.00	
Wet bulb temperature:	11.27	
Relative humidity:	91.85	
Enthalpy:	32.36	kJ/kg

Leaving Heating Coil Conditions

Dry bulb temperature:	35.00

MANUEL DONATO GARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 69138

Nestor Enrique Ruiz F.
Ingeniero Mecánico
Reg. CIP 29866

CONSORCIO CONSULTOR SAUL GARRIDO
C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

EDWARD CERON TORRES
JEFE DE PROYECTO
C.I.P. Nº

CONFORME

004888

Air System #13 (Uma-n2-legrado) Psychrometric Analysis

System Load Analysis	Latent	Grams	Sensible	Temp	L/s
Leaving Coil Condition		7.674		12.000	
Draw-Thru Fan			0	0.000	0
Misc Load on Supply Side			0	0.000	0
Supply Air Duct			45	0.100	3
Zone Loads	1,176	1.086	4,905	10.899	363
Sensible Reserve			0	0.000	0
Zone Condition	1,176	8.760	4,950	23.000	366
Return Air Duct			0	0.000	
Return Air Plenum			0	0.000	
Misc Load on Return Side			0	0.000	
Vent Air 366 L/s	9,956	9.203	3,151	7.000	
Blow-Thru Fan			273	0.607	
Entering Coil Condition	11,132	17.962	8,374	30.607	366

ARQ. DAVID HECTOR TORRES PUENTE
CAP. 5776
JEFE DE SUPERVISIÓN

General Psychrometric Equations Used In Analysis:

PR = (Barometric pressure of site / Standard ASHRAE pressure of 1010.387)
TSH = PR x 1.23 x L/s x (DB entering - DB leaving)
TLH = PR x 2.96 x L/s x (g/kg entering - g/kg leaving)
GTH = PR x 1.20 x L/s x (Enthalpy entering - Enthalpy leaving)

TSH	=	1.000	x	1.23	x	366	x (	30.607	-	12.000	) =	8,375	Watts
TLH	=	1.000	x	2.96	x	366	x (	17.962	-	7.674	) =	11,144	Watts
SUM	=											19,519	Watts
GTH	=	1.000	x	1.20	x	366	x (	76.794	-	31.510	) =	19,885	Watts
Total System Load											=	19,506	Watts

Chilled and Hot Water Flow Rates and Steam Requirement

Cooling L/s	=	19,885	/ (	5.00	x	4,179	)	=	1.0	L/s
Heating L/s	=	2,288	/ (	10.00	x	4,179	)	=	0.1	L/s
Steam Req.	=	2,288	/	970				=	2.36	kg./hr

Entering Cooling Coil Conditions

Dry bulb temperature:	30.61	
Wet bulb temperature:	25.16	
Relative humidity:	64.73	
Enthalpy:	76.79	kJ/kg

Entering Heating Coil Conditions

Dry bulb temperature:	18.00

Leaving Cooling Coil Conditions

Dry bulb temperature:	12.00	
Wet bulb temperature:	10.92	
Relative humidity:	88.08	
Enthalpy:	31.51	kJ/kg

Leaving Heating Coil Conditions

Dry bulb temperature:	35.00

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SUPERVISIÓN DE ESTUDIOS

MANUEL DONATO GARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 69138

Nestor Enrique Ruiz F.
Ingeniero Mecánico
Reg. CIP

CONSORCIO CONSULTOR SAUL GARRIDO
C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

EDWARD CERON TORRES
JEFE DE PROYECTO
C.I.P. N° 61778

CONFORME

004837

Air System #14 (Uma-n2-induc) Psychrometric Analysis

System Load Analysis	Latent	Grams	Sensible	Temp	L/s
Leaving Coil Condition		8.487		12.000	
Draw-Thru Fan			0	0.000	0
Misc Load on Supply Side			0	0.000	0
Supply Air Duct			132	0.100	10
Zone Loads	893	0.281	14,389	10.900	1,063
Sensible Reserve			0	0.000	0
Zone Condition	893	8.768	14,521	23.000	1,073
Return Air Duct			132	0.100	
Return Air Plenum			0	0.000	
Misc Load on Return Side			0	0.000	
Vent Air 245 L/s	6,675	2.102	2,112	1.577	
Blow-Thru Fan			0	0.000	
Entering Coil Condition	7,567	10.869	16,765	24.677	

ING. DAVID HECTOR TORRES PUENTE
CAP. 5776
JEFE DE SUPERVISIÓN

General Psychrometric Equations Used In Analysis:

PR = (Barometric pressure of site / Standard ASHRAE pressure of 1010.387)
TSH = PR x 1.23 x L/s x (DB entering - DB leaving)
TLH = PR x 2.96 x L/s x (g/kg entering - g/kg leaving)
GTH = PR x 1.20 x L/s x (Enthalpy entering - Enthalpy leaving)

TSH	=	1.000	x	1.23	x	1,073	x (	24.677	-	12.000	) =	16,736	Watts
TLH	=	1.000	x	2.96	x	1,073	x (	10.869	-	8.487	) =	7,570	Watts
SUM	=											24,305	Watts
GTH	=	1.000	x	1.20	x	1,073	x (	52.570	-	33.562	) =	24,481	Watts
Total System Load											=	24,333	Watts

Chilled and Hot Water Flow Rates and Steam Requirement

Cooling L/s	=	24,481	/ (	5.00	x	4,179	)	=	1.2	L/s
Heating L/s	=	10,135	/ (	10.00	x	4,179	)	=	0.2	L/s
Steam Req.	=	10,135	/	970				=	10.45	kg./hr

Entering Cooling Coil Conditions

Dry bulb temperature:	24.68	
Wet bulb temperature:	18.57	
Relative humidity:	56.04	
Enthalpy:	52.57	kJ/kg

Entering Heating Coil Conditions

Dry bulb temperature:	20.67

Leaving Cooling Coil Conditions

Dry bulb temperature:	12.00	
Wet bulb temperature:	11.76	
Relative humidity:	97.27	
Enthalpy:	33.56	kJ/kg

Leaving Heating Coil Conditions

Dry bulb temperature:	32.00

SUB GERENCIA DE ESTUDIOS

MANUEL DONATO GARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 69138

CONSORCIO CONSULTOR SAUL GARRIDO

Nestor Enrique Ruiz P.
Ing.

C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

EDWARD CERON TORRES
JEFE DE PROYECTO
C.I.P. N° 61779

CONFORME

004886

Air System #15 (Uma-n2-so-cirugía) Psychrometric Analysis

System Load Analysis	Latent	Grams	Sensible	Temp	L/s
Leaving Coil Condition		8.032		12.000	
Draw-Thru Fan			0	0.000	0
Misc Load on Supply Side			0	0.000	0
Supply Air Duct			68	0.100	5
Zone Loads	1,214	0.738	4,803	7.031	355
Sensible Reserve			2,642	3.868	195
Zone Condition	1,214	8.770	7,514	23.000	555
Return Air Duct			0	0.000	
Return Air Plenum			0	0.000	
Misc Load on Return Side			0	0.000	
Vent Air 555 L/s	15,110	9.192	4,782	7.000	
Blow-Thru Fan			415	0.607	
Entering Coil Condition	16,324	17.962	12,710	30.607	555

ARQ. DAVID HECTOR TORRES PUENTE
CAP. 5776
JEFE DE SUPERVISIÓN

General Psychrometric Equations Used In Analysis:

PR = (Barometric pressure of site / Standard ASHRAE pressure of 1010.387)
TSH = PR x 1.23 x L/s x (DB entering - DB leaving)
TLH = PR x 2.96 x L/s x (g/kg entering - g/kg leaving)
GTH = PR x 1.20 x L/s x (Enthalpy entering - Enthalpy leaving)

TSH	=	1.000	x	1.23	x	555	x (	30.607	-	12.000	) =	12,711	Watts
TLH	=	1.000	x	2.96	x	555	x (	17.962	-	8.032	) =	16,325	Watts

SUM	=											29,035	Watts
GTH	=	1.000	x	1.20	x	555	x (	76.794	-	32.413	) =	29,577	Watts
Total System Load											=	29,034	Watts

Chilled and Hot Water Flow Rates and Steam Requirement

Cooling L/s	=	29,577	/ (	5.00	x	4,179	)	=	1.4	L/s
Heating L/s	=	3,302	/ (	10.00	x	4,179	)	=	0.1	L/s
Steam Req.	=	3,302	/	970				=	3.40	kg./hr

Entering Cooling Coil Conditions

Dry bulb temperature:	30.61	
Wet bulb temperature:	25.16	
Relative humidity:	64.73	
Enthalpy:	76.79	kJ/kg

Entering Heating Coil Conditions

Dry bulb temperature:	18.00

Leaving Cooling Coil Conditions

Dry bulb temperature:	12.00	
Wet bulb temperature:	11.29	
Relative humidity:	92.11	
Enthalpy:	32.41	kJ/kg

Leaving Heating Coil Conditions

Dry bulb temperature:	35.00

GOBIERNO REGIONAL ... SUB GERENCIA DE ESTUDIOS

MANUEL DONATO GARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 69138

Nestor Enrique Ruiz P.
Ingeniero Mecánico
Reg. CIP 29866

CONSORCIO CONSULTOR SAUL GARRIDO
C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

EDWARD CERON TORRES
JEFE DE PROYECTO
C.I.P. N° 61706

CONFORME

004885

Air System #16 (Uma-n2-so-est) Psychrometric Analysis

System Load Analysis	Latent	Grams	Sensible	Temp	L/s
Leaving Coil Condition		8.613		12.000	
Draw-Thru Fan			0	0.000	0
Misc Load on Supply Side			0	0.000	0
Supply Air Duct			189	0.100	14
Zone Loads	709	0.156	20,601	10.900	1,523
Sensible Reserve			0	0.000	0
Zone Condition	709	8.769	20,790	23.000	1,537
Return Air Duct			0	0.000	
Return Air Plenum			0	0.000	
Misc Load on Return Side			0	0.000	
Vent Air 1,537 L/s	41,808	9.193	13,230	7.000	
Blow-Thru Fan			1,148	0.607	
Entering Coil Condition	42,517	17.962	35,168	30.607	1,537

ARQ. DAVID HECTOR TORRES PUENTE
CAP. 5776
JEFE DE SUPERVISIÓN

General Psychrometric Equations Used In Analysis:

PR = (Barometric pressure of site / Standard ASHRAE pressure of 1010.387)
TSH = PR x 1.23 x L/s x (DB entering - DB leaving)
TLH = PR x 2.96 x L/s x (g/kg entering - g/kg leaving)
GTH = PR x 1.20 x L/s x (Enthalpy entering - Enthalpy leaving)

TSH	=	1.000	x	1.23	x	1,537	x (	30.607	-	12.000	) =	35,169	Watts
TLH	=	1.000	x	2.96	x	1,537	x (	17.962	-	8.613	) =	42,524	Watts
SUM	=											---	
												77,692	Watts
GTH	=	1.000	x	1.20	x	1,537	x (	76.794	-	33.881	) =	79,129	Watts
Total System Load											=	77,685	Watts

Chilled and Hot Water Flow Rates and Steam Requirement

Cooling L/s	=	79,129	/ (	5.00	x	4,179	)	=	3.8	L/s
Heating L/s	=	13,901	/ (	10.00	x	4,179	)	=	0.3	L/s
Steam Req.	=	13,901	/	970				=	14.33	kg./hr

Entering Cooling Coil Conditions

Dry bulb temperature:	30.61	
Wet bulb temperature:	25.16	
Relative humidity:	64.73	
Enthalpy:	76.79	kJ/kg

Entering Heating Coil Conditions

Dry bulb temperature:	18.00

Leaving Cooling Coil Conditions

Dry bulb temperature:	12.00	
Wet bulb temperature:	11.88	
Relative humidity:	98.69	
Enthalpy:	33.88	kJ/kg

Leaving Heating Coil Conditions

Dry bulb temperature:	35.00

MANUEL DONATO GARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 69138

Nestor Enrique Ruiz R.
Ingeniero Mecánico
Reg. CIP 29866

CONSORCIO CONSULTOR SAUL GARRIDO
C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

EDWARD CERON TORRES
JEFE DE PROYECTO
C.I.P. N° 61778

CONFORME

004884

Air System #17 (Uma-n2-lab. Inmunohemt.) Psychrometric Analysis

System Load Analysis	Latent	Grams	Sensible	Temp	L/s
Leaving Coil Condition		8.400		12.000	
Draw-Thru Fan			0	0.000	0
Misc Load on Supply Side			0	0.000	0
Supply Air Duct			93	0.100	7
Zone Loads	824	0.370	9,041	9.766	668
Sensible Reserve			1,049	1.133	78
Zone Condition	824	8.770	10,183	23.000	753
Return Air Duct			0	0.000	
Return Air Plenum			0	0.000	
Misc Load on Return Side			0	0.000	
Vent Air 753 L/s	21,419	9.615	5,554	6.000	
Blow-Thru Fan			562	0.607	
Entering Coil Condition	22,243	18.385	16,299	29.607	753

ARQ. DAVID HECTOR TORRES PUENTE
CAP. 5776
JEFE DE SUPERVISIÓN

General Psychrometric Equations Used In Analysis:

PR = (Barometric pressure of site / Standard ASHRAE pressure of 1010.387)
TSH = PR x 1.23 x L/s x (DB entering - DB leaving)
TLH = PR x 2.96 x L/s x (g/kg entering - g/kg leaving)
GTH = PR x 1.20 x L/s x (Enthalpy entering - Enthalpy leaving)

TSH	=	1.000	x	1.23	x	753	x (	29.607	-	12.000	) =	16,300	Watts
TLH	=	1.000	x	2.96	x	753	x (	18.385	-	8.400	) =	22,244	Watts

SUM	=											38,544	Watts
GTH	=	1.000	x	1.20	x	753	x (	76.836	-	33.344	) =	39,281	Watts
Total System Load											=	38,542	Watts

Chilled and Hot Water Flow Rates and Steam Requirement

Cooling L/s	=	39,281	/ (	5.00	x	4,179	)	=	1.9	L/s
Heating L/s	=	10,384	/ (	10.00	x	4,179	)	=	0.2	L/s
Steam Req.	=	10,384	/	970				=	10.70	kg./hr

Entering Cooling Coil Conditions

Dry bulb temperature:	29.61	
Wet bulb temperature:	25.16	
Relative humidity:	70.11	
Enthalpy:	76.84	kJ/kg

Entering Heating Coil Conditions

Dry bulb temperature:	18.00

Leaving Cooling Coil Conditions

Dry bulb temperature:	12.00	
Wet bulb temperature:	11.67	
Relative humidity:	96.31	
Enthalpy:	33.34	kJ/kg

Leaving Heating Coil Conditions

Dry bulb temperature:	35.00

GOBIERNO REGIONAL SUB GERENCIA DE OBRAS PÚBLICAS

MANUEL DONATO GARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 69138

Nestor Enrique Ruiz R.
Ingeniero Mecánico
Reg. CIP 29866

CONSORCIO CONSULTOR SAUL GARRIDO
C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

EDWARD CERON TORRES
JEFE DE PROYECTO
C.I.P. N° 61778

CONFORME

004883

Air System #18 (N2 Unidad Precisión) Psychrometric Analysis

System Load Analysis	Latent	Grams	Sensible	Temp	L/s
Leaving Coil Condition				12.000	
Draw-Thru Fan		7.272		0.000	
Misc Load on Supply Side			0	0.000	0
Supply Air Duct			0	0.000	0
Zone Loads			289	0.100	29
Sensible Reserve	63	0.009	22,834	7.900	2,320
			0	0.000	0
Zone Condition					
Return Air Duct	63	7.282	23,123	20.000	2,350
Return Air Plenum			289	0.100	
Misc Load on Return Side			0	0.000	
Vent Air 64 L/s			0	0.000	
Blow-Thru Fan	1,882	0.271	631	0.216	
			0	0.000	
Entering Coil Condition	1,945	7.552	24,043	20.316	2,350

ARQ. DAVID HECTOR TORRES PUENTE
CAP. 5776
JEFE DE SUPERVISIÓN

General Psychrometric Equations Used In Analysis:

PR = (Barometric pressure of site / Standard ASHRAE pressure of 1010.387)
TSH = PR x 1.23 x L/s x (DB entering - DB leaving)
TLH = PR x 2.96 x L/s x (g/kg entering - g/kg leaving)
GTH = PR x 1.20 x L/s x (Enthalpy entering - Enthalpy leaving)

TSH	=	1.000	x	1.23	x	2,350	x (	20.316	-	12.000	) =	24,036	Watts
TLH	=	1.000	x	2.96	x	2,350	x (	7.552	-	7.272	) =	1,945	Watts
SUM	=											---	
GTH	=	1.000	x	1.20	x	2,350	x (	39.676	-	30.497	) =	25,980	Watts
Total System Load												25,881	Watts
											=	25,988	Watts

Chilled and Hot Water Flow Rates and Steam Requirement

Cooling L/s	=	25,881	/ (	5.00	x	4,179	)	=	1.2 L/s
Heating L/s	=	3,089	/ (	10.00	x	4,179	)	=	0.1 L/s
Steam Req.	=	3,089	/	970				=	3.18 kg./hr

Entering Cooling Coil Conditions

Dry bulb temperature:	20.32
Wet bulb temperature:	14.17
Relative humidity:	51.02
Enthalpy:	39.68 kJ/kg

Entering Heating Coil Conditions

Dry bulb temperature:	20.88

Leaving Cooling Coil Conditions

Dry bulb temperature:	12.00
Wet bulb temperature:	10.50
Relative humidity:	83.53
Enthalpy:	30.50 kJ/kg

Leaving Heating Coil Conditions

Dry bulb temperature:	32.00

MANUEL DONATO GARCIA JAVE
ING. MECANICO-ELECTRICISTA
REG. CIP N° 69138

Nestor Enrique Ruiz R.
Ingeniero Mecánico
Reg. CIP 29866

CONSORCIO CONSULTOR SAUL GARRIDO

C.P.C. MARIA LUISA CARBAJO MUÑOZ
REPRESENTANTE COMÚN
DNI Nº 21546425

EDWARD CERON TORRES
JEFE DE PROYECTO
C.I.P. Nº 61778