UNIVERSIDAD NACIONAL AUTÓNOMA DE MÉXICO

FACULTAD DE INGENIERÍA

Proyecto de aire acondicionado y ventilación para la construcción del edificio sede del Poder Judicial de la Federación en Celaya, Guanajuato.

INFORME DE ACTIVIDADES PROFESIONALES

Que para obtener el título de

Ing. Mecánico Electricista

P R E S E N T A

Luis Vidal Romero Baena

ASESOR DE INFORME

Dr. Armando Rojas Morín

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INTRODUCCIÓN

Durante miles de años el hombre advirtió que las corrientes de aire mitigaban la alta temperatura del ambiente en zonas de climas extremos, pero era incapaz de hacer algo al respecto. A lo máximo que llegó fue a refugiarse en cuevas o a meterse en el agua. Pero llegó un día en que comenzó a idear cómo podría disminuir la temperatura del ambiente a su antojo, y experimentó comenzando a esparcir gotas de agua a las corriente de aire.

La historia del aire acondicionado o enfriamiento artificial en forma empieza desde la época de los egipcios que ya utilizaban métodos para reducir el calor mediante el enfriamiento de las piedras.

Sin embargo la idea de crear un aparato al que hoy en día llamamos climatizador, parte del ingeniero estadounidense Willis Carrier quien en 1902 inventó la primera unidad de aire acondicionado eléctrica moderna al tratar de resolver un problema de humedad que estaba causando que las páginas de las revistas se arrugaran en la empresa de litografía para la cual trabajaba.

A pesar de los avances en las tecnologías de refrigeración en los años 30 y 40, estos sistemas eran demasiado grandes y caros para los hogares

Poco a poco se logró edificar sitios específicos que mantenían en condiciones ambientales más confortables y que auxiliados con un tratamiento del aire agregando humedad o secándolo comenzaron a mejorar las condiciones dentro de los recintos, logrando ventilar los espacios de manera aceptable. Tomando muy en cuenta que en todos los recintos la ganancia o pérdida de calor dependería del tipo de materiales a utilizar como por ejemplo: el tipo de muro (de concreto, ladrillo, etc.), vidrio (transparente, ahumado, espesor del vidrio, con película reflejante, etc.), losa, entrepiso, etc.; y adicional a la orientación del recinto con respecto al sol y a la estación del año (periodo con ciertas condiciones climáticas). Hasta nuestros días que logra diseñar sistemas de acondicionamiento de aire para cada aplicación, controlando las condiciones de temperatura y humedad necesaria para lograr ambientes de confort dentro de un recinto, no importando las condiciones ambientales del lugar.

Para nuestro caso en particular se tomaron en consideración los estándares nacionales e internacionales que indican los parámetros de temperatura y humedad que mantienen las condiciones de confort para las áreas de oficinas, centros de computo, comedor, área de cocina y áreas asignadas como bodegas.

OBJETIVO DEL TRABAJO

Las necesidades actuales del Poder Judicial de la Federación como parte de un programa nacional, es instrumentar y poner en vigor un Nuevo Sistema Procesal Penal Acusatorio en toda la República Mexicana. Y para este caso en particular el Consejo de la Judicatura Federal tiene asignado un predio ubicado en calle Quetzalli No. 901, fraccionamiento los Álamos CP 38020 Celaya Guanajuato; cuya superficie para esta construcción es de 2,425 m2 destinada para la Nueva Sede del Poder Judicial de Federación en esa entidad. En donde el objetivo es la aplicación de las nuevas tecnologías de sistemas de aire acondicionado y calefacción con refrigerante de volumen variable (VRV), con refrigerante ecológico a las áreas de oficinas y áreas públicas, dando como resultado un ambiente de confort, un ahorro de energía, la ventaja de llevar un solo recorrido de tuberías de cobre e ir distribuyendo a las evaporadoras con la tubería requerida.

Para el caso del Site de cómputo se especificó un sistema de aire acondicionado de precisión que garantiza las condiciones de temperatura y humedad durante todos los días del año.

Para áreas independientes de jueces y titulares se especificaron equipos unitarios divididos con refrigerante ecológico conectados a circuitos eléctricos de emergencia.

El alcance también incluye mantener las condiciones apropiadas de la calidad del aire dentro del inmueble, contando con sistema de extracción y renovación de aire.

En el primer capítulo se inicia la descripción de la empresa, dando fe que es una empresa nacional con carácter de servicios de arquitectura e ingeniería integral, que bajo un mismo techo da soluciones integrales a cada tipo de inmueble, ya sea de carácter residencial, comercial e industrial.

En el segundo capítulo se hace mención de las responsabilidades y funciones que me competen dentro de la empresa, que garantizan la coordinación de trabajo en equipo con las demás disciplinas de ingeniería y arquitectura.

En el tercer capítulo se describe nuestra colaboración dentro de la empresa, donde se muestra el proyecto de aire acondicionado y ventilación para la construcción del edificio Poder Judicial de la Federación en Celaya, Guanajuato.

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DESCRIPCIÓN DE LA EMPRESA
EMPRESA: IEMBK S.A. DE C.V.

TRABAJO:
Proyecto de aire acondicionado y ventilación para la construcción del edificio sede del Poder Judicial de la Federación en Celaya, Guanajuato.

IEMBK S.A. DE C.V.- es la asociación de un grupo de expertos altamente calificados en sus respectivas especialidades, con experiencia mayor a 15 años que se han unido para proporcionar servicios integrales de asesoría técnica en obras de todo tipo de construcción en el más alto nivel profesional bajo la razón social de "IEMBK, S.A. de C.V." (Integral Engineering & Management of Buildings).

VISIÓN
Con una clara conciencia de las necesidades actuales, de México está a la búsqueda de nuevas metodologías que le permitan lograr mayores niveles de competitividad bajo un esquema de profesionalismo.

MISIÓN
Con el propósito de ofrecer al cliente soluciones integrales a proyectos dentro de la industria de la construcción para áreas comerciales e industriales; ofrecer las siguientes funciones:

1.-) PLANEACIÓN

1.1.) Estudios de Factibilidad Técnico y Financiera.

1.2.) Elaboración de Proyectos Integrales.

1.3.) Levantamientos Topográficos.

1.4.) Evaluación de Alternativas y Prioridades.

1.5.) Programación y Control de Obras y Proyectos.

1.6.) Análisis de Precios Unitarios y Presupuestos Base.

1.7.) Selección de Equipos.

2.-) COORDINACIÓN INTEGRAL Y SUPERVISIÓN DE OBRAS Y PROYECTOS

2.1.) Elaboración y Seguimiento de Programas de Ruta Crítica.

2.2.) Controles de Avances, de Calidad y de Costos.

2.3.) Informes Técnicos y Financieros.

2.4.) Coordinación de la Construcción

3.-) ARQUITECTURA , URBANISMO Y CONSTRUCCIÓN

3.1.) Planes Maestros de Desarrollo Urbano Integral.

3.2.) Planos Reguladores.

3.3.) Diseño Urbano y de Fraccionamientos.

3.4.) Movimiento de Terracerías.

3.5.) Instalaciones.

3.6.) Pavimentos.

3.7.) Centros Hospitalarios.

3.8.) Edificación.

3.9) Docencia e Investigación

4.-) VIALIDAD Y TRANSPORTE

4.1.) Estudio Integral de Vialidad y Transporte.

4.2.) Análisis de Alternativas y Evaluación de su Costo Beneficio.

4.3.) Estudio de Prioridades a Corto y Mediano Plazo.

4.4.) Programa y Etapas de Trabajo.

4.5.) Proyectos Ejecutivos.

4.6.) Elaboración de Presupuestos Base.

4.7.) Coordinación y Supervisión de Obra.

4.8.) Informes Técnicos y Financieros.

5.-) OBRAS HIDRÁULICAS

5.1.) Sistemas de Agua Potable.

5.2.) Sistemas de Alcantarillado.

5.3.) Sistemas de Recuperación.

5.4.) Plantas de Tratamiento.

5.5.) Sistemas de Riego.

5.6.) Sistemas de Bombeo.

5.7.) Evaluaciones.

6.-) ELECTRICIDAD Y MECÁNICA

6.1.) Distribución.

6.2.) Fuerza y Alumbrado.

6.3.) Controles.

6.4.) Pararrayos y Tierras.

6.5.) Aire Acondicionado.

6.6.) Manejo de Materiales.

6.7.) Control de Polvos.

7.-) PLANTAS INDUSTRIALES

7.1.) Estudios de Localización.

7.2.) Servicios de Apoyo.

7.3.) Anteproyectos.

7.4.) Arreglo General.

7.5.) Proyectos Definitivos.

7.6.) Coordinación.

8-) ESTRUCTURAS

8.1.) Edificios.

8.2.) Tanques.

8.3.) Silos.

8.4.) Puentes.

8.5.) Estructuras Especiales.

FILOSOFÍA

Nuestra filosofía es ofrecer los servicios que originen, doten y propicien un óptimo aprovechamiento de los recursos energéticos y/o materiales de cualquier tipo de inmueble para obtener el máximo desempeño tanto en su operación, como en el desarrollo de las actividades de sus ocupantes, gracias a un entorno de seguridad para bienes y personas y al confort necesario para usuarios y visitantes.

El reto de IEMBK es convertir a las empresas y espacios comunes en organizaciones inteligentes y productivas, evitando además, que los empresarios sean sorprendidos con tecnologías obsoletas a altos costos.

IEMBK trabaja en la búsqueda de soluciones que permitan disminuir los costos de operación y mantenimiento para poder ofrecer mejores precios y, ante todo, dar respuesta a las necesidades específicas del cliente con la más alta calidad.

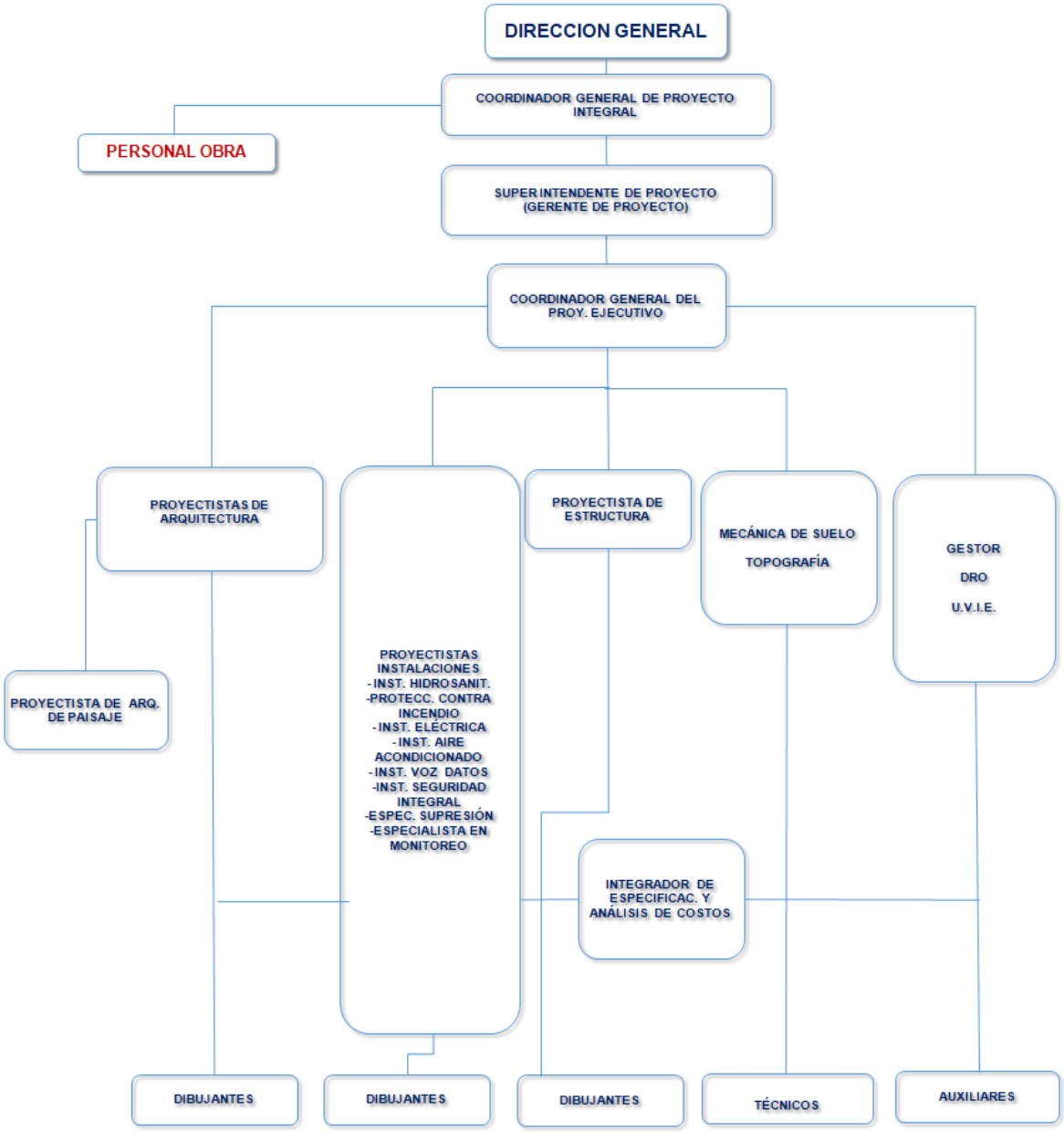
IEMBK busca conseguir la confianza de nuestros clientes a través del apego total a la ética y al profesionalismo, fortaleciendo nuestra experiencia a través de soluciones de calidad, eficientes e innovadoras.

OFICINAS CENTRALES

Calle Nápoles No. 49 3er Piso, Col. Juárez, México DF. Delegación Cuauhtémoc

C.P.06600 T/F 19989940/41 iembk_1@yahoo.com.mx

ORGANIGRAMA - IEMBK, S.A. DE C.V.



DESCRIPCIÓN DEL PUESTO DE TRABAJO

Durante más de 10 años se me asigno la responsabilidad del departamento de aire acondicionado y ventilación (Instalación de Aire Acondicionado) donde las actividades a desempeñar son:

- Atender de manera directa al departamento de arquitectura ó al desarrollador del inmueble para definir los criterios y alcances del proyecto de aire acondicionado y ventilación según sea el tipo de edificación.
- Coordinar con el departamento de arquitectura y estructuras para la asignación de áreas para equipos, pasos en losas y muros; así como solicitar los tipos de acabados tanto interior como exterior del inmueble, planos de distribución de mobiliario, alzados, orientación del inmueble con respecto al norte geográfico.
- Calcular las cargas térmicas y ventilación del inmueble de acuerdo a métodos de cálculo aprobados por normas internacionales que nos permitan dimensionar las capacidades y características de los equipos de aire acondicionado y ventilación.
- Realizar un análisis de las ventajas y desventajas de los diferentes tipos de sistemas de aire acondicionado y ventilación para el tipo de inmueble a acondicionar, considerando los factores de costos, ahorro de energía, tiempo de entrega, mantenimientos, vida útil, etc.
- Selección de equipos por medio de software autorizados por fabricantes de equipos de aire acondicionado, así como la especificación de materiales como tuberías, válvulas, lámina negra o galvanizada para ductos, aislamiento para ductos y tuberías, soportes para equipos y materiales, etc.
- Distribución de equipos, trayectorias de tuberías y ductos, canalización de tuberías de control, ubicación de instrumentación y control, generación de cuadro de equipos, detalles, y alzados; todo esto representados en planos ejecutivos de obra.
- Asesoría, supervisión y apoyo directo en la obra del inmueble, donde se atestigua que el desarrollo de la obra sea de acuerdo al proyecto ejecutivo, coordinando el cruce de otras instalaciones con el sistema de aire acondicionado y ventilación.
- Emitir la secuencia de operación del sistema de aire acondicionado y ventilación para que sea la programada en los sistemas de control y automatización.
- Asistir a las pruebas y los arranques de los equipos verificando que cumplan con las especificaciones de desempeño de cada unidad.

NORMAS Y REGLAMENTOS

Actualmente en México no existe un reglamento o normatividad oficial que sea mandatorio para la aplicación de las buenas prácticas de cálculos y selección de sistemas de aire acondicionado, pero en la industria dedicada a esta especialidad recomienda aplicar las siguientes normas nacionales e internacionales:

- ASHRAE.- American Society of Heating, Refrigerating and Air Conditioning Engineers
- AMCA.- Air Movement and Control Association
- SMACNA.- Sheet Metal and Air Conditioning Contractors National Association
- ASME.- American Society of Mechanical Engineers
- UMC.- Uniform Mechanical Code
- Normas de Diseño del IMSS
- AMERIC.- Asociación Mexicana de Empresas del Ramo de Instalaciones para la Construcción

HERRAMIENTAS DE CÁLCULO Y SELECCIÓN DE EQUIPOS (SOFTWARE)

- AutoCAD.- software de dibujo técnico.
- Tracer 700 (software de Trane - Método de cálculo)
- Hisense VRF design.- software de cálculo y selección de equipos de sistema VRF de la marca Hisense.
- Ductziser.- Software para cálculo de dimensión de ductos.
- Software de Office

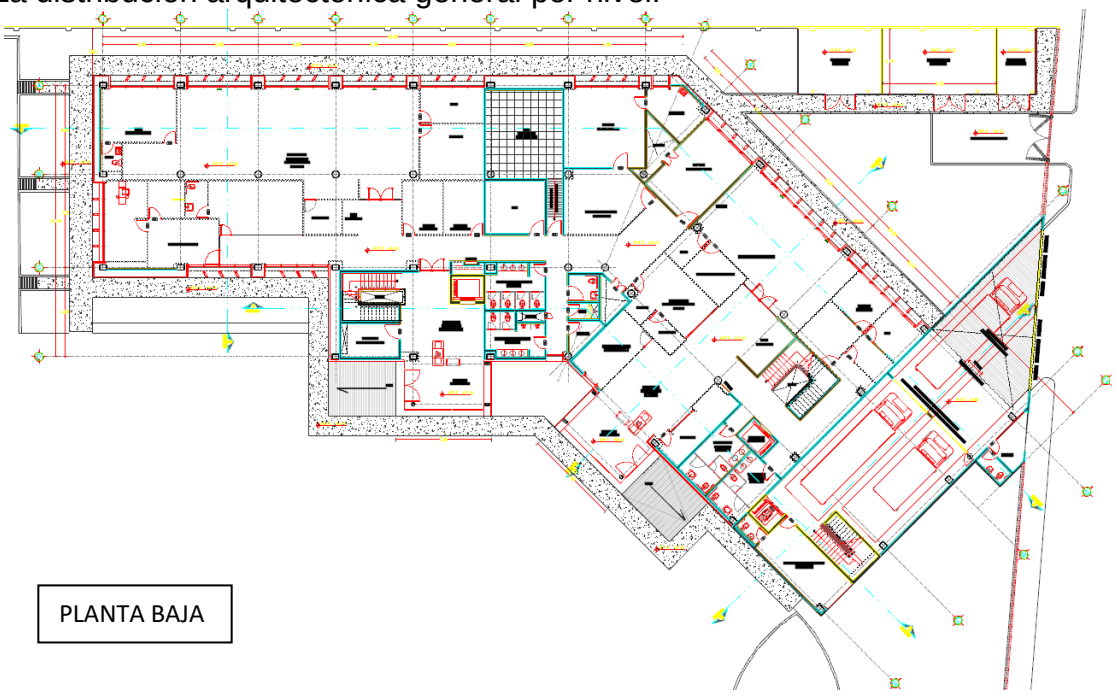
DESCRIPCIÓN DE LA PARTICIPACIÓN DEL ALUMNO EN LA EMPRESA

ANTECEDENTES DEL PROYECTO

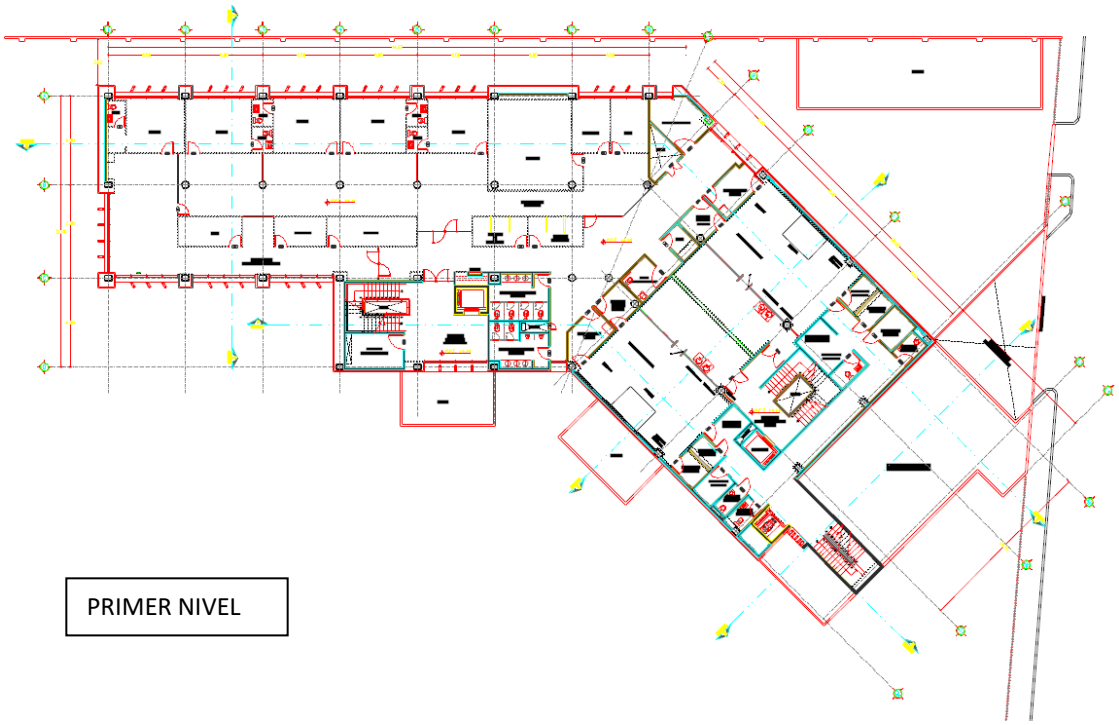
Las necesidades actuales del Poder Judicial de la Federación como parte de un programa nacional es instrumentar y poner en vigor un Nuevo Sistema Procesal Penal Acusatorio en toda la República Mexicana. Y para este caso en particular el Consejo de la Judicatura Federal tiene un predio ubicado en calle Quetzalli No. 901, fraccionamiento los Álamos CP 38020 Celaya Guanajuato; cuya superficie para esta construcción es de 2,425 m^2 con las siguientes superficies asignadas por área:

RESUMEN DE SUPERFICIES ESTIMADAS CENTRO DE JUSTICIA PENAL FEDERAL EN CELAYA, GUANAJUATO		
ÁREA		**METROS CUADRADOS**
EDIFICIO PRINCIPAL	PLANTA BAJA – CENTRO DE JUSTICIA	1,364
	ZONA DE SEGURIDAD – CENTRO DE JUSTICIA	240
	PRIMER NIVEL – CENTRO DE JUSTICIA	1,299
	SEGUNDO NIVEL - DISPONIBLE PARA ADECUACIONES	1,299
	TOTAL DE EDIFICIO PRINCIPAL	**3,962**
EDIFICIOS COMPLEMENTARIOS	SUBESTACIÓN ELÉCTRICA	80
	CUARTO DE BOMBEO	50
	TOTAL DE EDIFICIOS COMPLEMENTARIOS	**130**
SUPERFICIE TOTAL DE CONSTRUCCIÓN		**4,092**
EXTERIORES	PLAZOLETAS DE ACCESO, PASOS PEATONALES CUBIERTOS, JARDINES, MUROS DE COLINDANCIA Y REJAS PERIMETRALES (278 m), INGRESOS VEHICULARES, ZONA DE SEGURIDAD PARA TRASLADO DE IMPUTADOS, ZONAS DE SERVICIOS CON ESTACIONAMIENTO DE SERVICIO.	691
SUPERFICIE DEL PREDIO		**2,425**

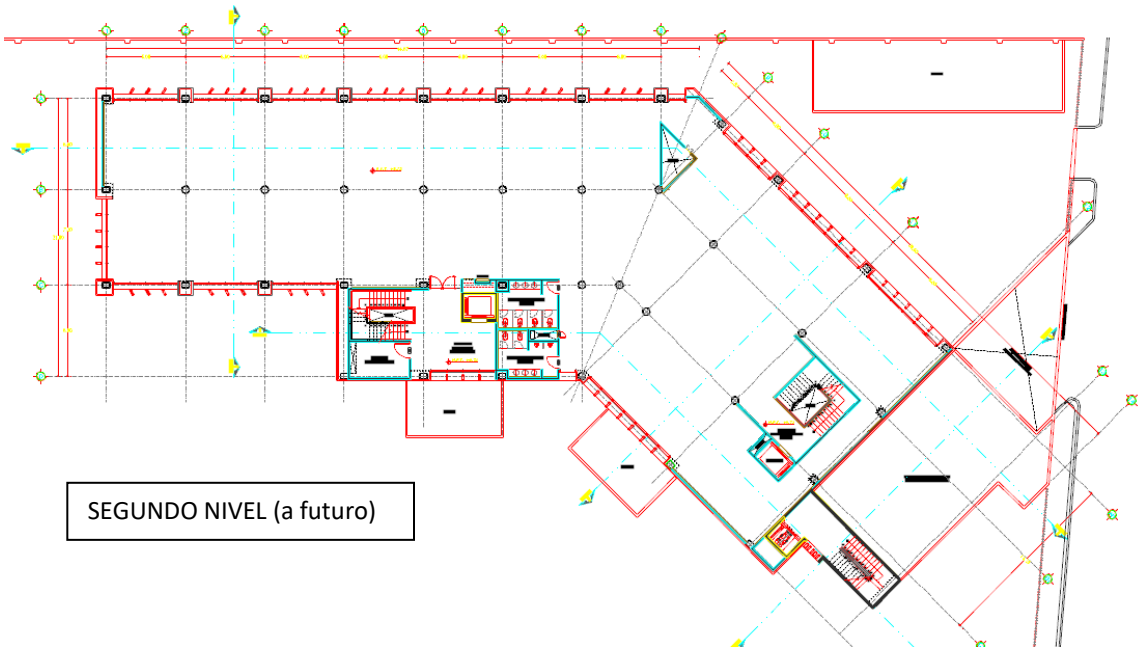
La distribución arquitectónica general por nivel:



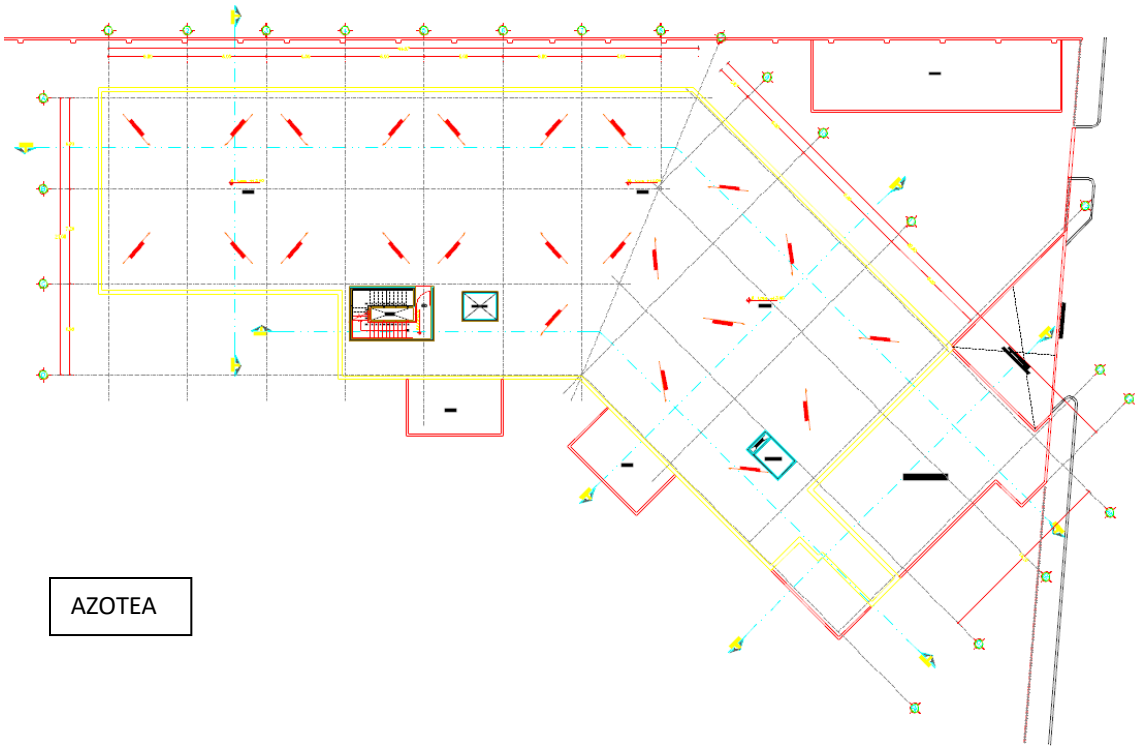
PLANTA BAJA



PRIMER NIVEL



SEGUNDO NIVEL (a futuro)



AZOTEA

BASES DE DISEÑO

Las condiciones climatológicas están basadas en la especificación Publicada por AMERIC (Asociación Mexicana de Empresas del Ramo de Instalaciones para la Construcción, A.C.)

Ubicación:

Localización Geográfica.	Celaya, Guanajuato.
Latitud Norte.	20° 50'
Longitud Oeste.	100° 80'
Altura S.N.M.	1,752 m
Presión Barométrica	622 mm Hg

Condiciones de diseño:

VERANO:

Temperatura de Bulbo Seco	100 ºF (37.7 °C)
Temperatura de Bulbo Húmedo	68.0ºF (20.00 ºC)

INVIERNO:

Temperatura de Bulbo Seco	32 ºF (0 °C)

CONDICIONES INTERIORES DE DISEÑO

ÁREA	AIRE ACONDICIONADO			
	TEMPERATURA DE DISEÑO (TEMPERATURA DE BULBO SECO)	HUMEDAD RELATIVA HR	CAMBIOS DE AIRE POR HORA	CONTROL DE TEMPERATURA
Oficina de Titular	Verano: 24°C, Invierno: 21	Verano: 50%	-	Independiente
Sala de Sesiones	Verano: 24°C, Invierno: 21	Verano: 50%	-	Independiente
Defensor Público y 1 Oficial	Verano: 24°C, Invierno: 21	Verano: 50%	-	Central
Secretario o Jefe de Departamento y 2 Oficiales	Verano: 24°C, Invierno: 21	Verano: 50%	-	Central
Correspondencia Común	Verano: 24°C, Invierno: 21	Verano: 50%	-	Central
SISE	Verano: 24°C, Invierno: 21	Verano: 50%	-	Central
Oficialía de Partes	Verano: 24°C, Invierno: 21	Verano: 50%	-	Central
Actuario:1 actuario y 1 oficial	Verano: 24°C, Invierno: 21	Verano: 50%	-	Central
Secretario (Sección de Trámite o Secretaría de Acuerdos)	Verano: 24°C, Invierno: 21	Verano: 50%	-	Central
Oficial (Sección de Trámite o Secretaría de Acuerdos)	Verano: 24°C, Invierno: 21	Verano: 50%	-	Central
Secretario de Tesis y 1 Oficial	Verano: 24°C, Invierno: 21	Verano: 50%	-	Central
Estación de Café	Verano: 24°C, Invierno: 21	Verano: 50%	-	Central
Archivos	Verano: 24°C, Invierno: 21	Verano: 50%	-	Central
Papelería	Verano: 24°C, Invierno: 21	Verano: 50%	-	Central
Copias	Verano: 24°C, Invierno: 21	Verano: 50%	-	Central
Vestíbulos	Verano: 24°C, Invierno: 21	Verano: 50%	-	Central
Pasillos	Verano: 24°C, Invierno: 21	Verano: 50%	-	Central
Bodegas	-	-	10	-
Área Secretarial	Verano: 24°C, Invierno: 21	Verano: 50%	-	Central
Espera	Verano: 24°C, Invierno: 21	Verano: 50%	-	Central
Sanitario de Titular	-	-	20	-
E.R. (SITE)	18°C a 22°C	50%	-	Independiente con control de humedad
I.D.F.	18°C a 22°C	50%	-	Independiente
Cuarto de monitoreo y control	20°C a 24°C	50%	-	Independiente
Cuarto de vigilancia	Verano: 24°C, Invierno: 21	Verano: 50%	-	Independiente
Sanitarios Generales (Servidores Públicos y Visitantes)	-	-	20	-
Cuarto Eléctrico	-	-	30	-
Aseo	-	-	20	-
Articulos de delito	-	-	20	-
Vestíbulo de Acceso al Edificio	Verano: 24°C, Invierno: 21	Verano: 50%	-	Central
Extracción de Campanas en cocina	-	-	80 ppm	-

CÁLCULO TÉRMICO

Para realizar el cálculo térmico en cada área a acondicionar se utilizó el software Tracer 700, el cual se apega a los criterios del ASHRAE para el análisis de ganancias ó pérdidas de calor en un inmueble de acuerdo a los siguientes factores:

- Ganancia de calor por radiación solar de acuerdo a la situación geográfica del inmueble.
- Ganancia de calor total a través de muros y techos exteriores.
- Ganancia de calor por superficies interiores.
- Ganancia de calor por cargas eléctricas.
- Ganancia de calor por número de personas en el inmueble.
- Ganancia de calor por toma de aire exterior.

CJPF Celaya

Location	Celaya, Guanajuato	
Building owner	Consejo de la Judicatura Federal	
Program user		
Company		
Comments		
By	Trane	
Dataset name	G:\CJPF CELAYA\CJPF CELAYA.TRC	
Calculation time	12:04 PM on 11/16/2017	
TRACE® 700 version	6.2.2	
Location	Celaya, Guanajuato	
Latitude	20.5	deg
Longitude	100.8	deg
Time Zone	6	
Elevation	5,747	ft
Barometric pressure	24.5	in. Hg
Air density	0.0620	lb/cu ft
Air specific heat	0.2444	Btu/lb·°F
Density-specific heat product	0.9098	Btu/h·cfm·°F
Latent heat factor	4,004.7	Btu·min/h·cu ft
Enthalpy factor	3.7218	lb·min/hr·cu ft
Summer design dry bulb	100	°F
Summer design wet bulb	68	°F
Winter design dry bulb	32	°F
Summer clearness number	1.00	
Winter clearness number	1.00	
Summer ground reflectance	0.20	
Winter ground reflectance	0.20	
Carbon Dioxide Level	400	ppm
Design simulation period	January - December	
Cooling load methodology	TETD-TA1	
Heating load methodology	UATD	

TRANE

TRACE 700

Load / Airflow Summary

By Trane

System	Zone	Room **		Floor Area ft²	People #	Coil Cooling Sensible Btu/h	Coil Cooling Total Btu/h	Space Design Max SA cfm	Air Changes ach/hr	VAV Minimum SA cfm	VAV Minimum %	Main Coil Heating Sensible Btu/h	Heating Fan Max SA cfm	Percent OA Clg	Percent OA Htg
Alternative 1															
		PB Area 01 Juez Administrador	Rm Peak	267	3.0	17,733	19,397	1,310	32.34	0	0	-3,901	1,310	1.7	1.7
		PB Area 02 Despachos Log Admvo	Rm Peak	1,723	21.0	77,565	93,183	5,681	21.74	0	0	-14,075	5,681	2.8	2.8
		PB Area 03 Sala	Rm Peak	149	4.0	16,694	19,288	1,218	53.74	0	0	-2,574	1,218	2.5	2.5
		PB Area 04 Archivo	Rm Peak	225	1.0	3,055	3,933	212	6.19	0	0	-513	212	3.5	3.5
		PB Area 05 Consultorio Medico	Rm Peak	243	3.0	19,004	20,498	1,460	39.59	0	0	-3,842	1,460	1.5	1.5
		PB Area 06 Lactancia	Rm Peak	87	2.0	1,470	3,222	69	5.23	0	0	-1,795	69	21.6	21.6
		PB Area 07 Secretaria SM	Rm Peak	213	4.0	9,878	12,088	752	23.33	0	0	-3,056	752	4.0	4.0
		PB Area 08 Ludoteca	Rm Peak	315	12.0	9,695	20,209	433	9.07	0	0	-4,717	433	20.8	20.8
		PB Area 09 Papeleria	Rm Peak	83	1.0	2,086	2,963	131	10.36	0	0	-396	131	5.7	5.7
		PB Area 10 Pasillo interior	Rm Peak	733	7.0	15,990	19,857	1,135	10.21	0	0	-7,629	1,135	4.6	4.6
		PB Area 11 Testigo Protegido	Rm Peak	139	4.0	5,653	9,160	320	15.14	0	0	-1,340	320	9.4	9.4
		PB Area 12 Justicia Alternativa	Rm Peak	136	6.0	6,280	11,538	323	15.60	0	0	-1,847	323	13.9	13.9
		PB Area 13 Bodega	Rm Peak	70	1.0	3,384	3,833	208	19.45	0	0	-1,930	208	3.6	3.6
		PB Area 14 Control de acceso	Rm Peak	246	5.0	12,103	15,979	997	26.75	0	0	-5,050	997	3.8	3.8
		PB Area 15 Vestibulo acceso funcionarios	Rm Peak	490	5.0	10,032	14,275	622	8.37	0	0	-8,072	622	6.0	6.0
		PB Area 16 Pasillo sanitarios	Rm Peak	495	5.0	7,316	11,558	422	5.61	0	0	-9,454	422	8.9	8.9
		PB Area 17 Bodega	Rm Peak	104	1.0	2,514	3,363	164	10.42	0	0	-1,632	164	4.6	4.6
		PB Area 18 SITE	Rm Peak	711	2.0	91,758	92,923	5,013	46.49	0	0	-6,422	5,013	0.3	0.3
		PB Area 19 CECOM de Seguridad	Rm Peak	419	2.0	25,205	26,499	2,091	32.88	0	0	-4,698	2,091	0.7	0.7
		PB Area 20 Coordinacion de Seguridad	Rm Peak	309	2.0	5,272	7,027	348	7.41	0	0	-1,489	348	4.3	4.3
		PB Area 21 Lockers	Rm Peak	137	2.0	4,954	6,335	318	15.29	0	0	-2,560	318	4.7	4.7
		PB Area 22 CECOM Mantenimiento	Rm Peak	363	2.0	20,447	21,717	1,628	29.58	0	0	-4,146	1,628	0.9	0.9
		PB Area 23 Defensoria	Rm Peak	809	16.0	37,317	47,475	2,411	19.66	0	0	-7,304	2,411	5.0	5.0
		PB Area 24 Cafe Defensoria	Rm Peak	57	3.0	4,766	7,399	276	32.10	0	0	-1,023	276	8.2	8.2
		PB Area 25 Archivo Papeleria Defensoria	Rm Peak	132	1.0	2,416	3,294	158	7.90	0	0	-435	158	4.8	4.8
		PB Area 26 Oficina de Corr Comun	Rm Peak	255	3.0	9,425	12,057	630	16.27	0	0	-1,669	630	3.6	3.6
		PB Area 27 Papeleria OCC	Rm Peak	57	1.0	1,905	2,782	116	13.52	0	0	-375	116	6.4	6.4
		PB Area 28 Sala de Videoconferencias	Rm Peak	187	13.0	10,307	21,700	534	18.82	0	0	-6,644	534	18.3	18.3
		PB Area 29 Policia Procesal	Rm Peak	122	3.0	7,978	9,883	515	27.86	0	0	-1,575	515	4.4	4.4
		PB Area 30 PGR	Rm Peak	113	3.0	6,199	8,104	385	22.39	0	0	-1,351	385	5.8	5.8
		PB Area 31 Oficina	Rm Peak	127	1.0	2,385	3,263	155	8.05	0	0	-432	155	4.8	4.8
		PB Area 32 Oficina	Rm Peak	73	1.0	2,015	2,892	125	11.32	0	0	-388	125	6.0	6.0
		PB Area 33 Vestibulo de Acceso Publico	Rm Peak	1,464	14.0	19,085	31,358	1,093	4.86	0	0	-9,022	1,093	9.6	9.6
		PB Area 34 Lockers	Rm Peak	173	4.0	3,255	6,759	147	5.62	0	0	-3,605	147	20.3	20.3
		PB Area 35 Control de acceso	Rm Peak	246	5.0	12,943	16,114	997	26.77	0	0	-5,050	997	3.8	3.8
		PB Area 36 Acceso Veh imputados	Rm Peak	1,816	30.0	57,414	80,924	1,320	4.79	0	0	-15,838	1,320	17.0	17.0
		PB Area 37 Comision Nal de Seguridad	Rm Peak	255	5.0	9,115	13,500	508	13.10	0	0	-5,058	508	7.4	7.4
		PB Area 38 Caseta	Rm Peak	75	2.0	6,145	7,843	310	27.23	0	0	-2,845	310	4.8	4.8
nta Baja			**Sys Peak**	**13,641**	**200.0**	**560,763**	**714,194**	**34,535**				**-153,751**	**34,535**	**4.3**	**4.3**
nta Baja			**Sys Block**	**13,641**	**200.0**	**520,351**	**677,364**	**34,535**				**-153,750**	**34,535**	**4.3**	**4.3**
ernative 2															
		N1 Area 01 Titular	Rm Peak	243	3.0	17,790	19,732	1,300	35.21	0	0	-7,712	1,300	1.7	1.7
		N1 Area 02 Titular	Rm Peak	237	3.0	18,171	20,113	1,338	37.24	0	0	-7,226	1,338	1.7	1.7
		N1 Area 03 Titular	Rm Peak	237	3.0	18,171	20,113	1,338	37.24	0	0	-7,226	1,338	1.7	1.7
		N1 Area 04 Titular	Rm Peak	237	3.0	18,171	20,113	1,338	37.24	0	0	-7,226	1,338	1.7	1.7
		N1 Area 05 Titular	Rm Peak	237	3.0	18,226	20,168	1,342	37.37	0	0	-7,225	1,342	1.7	1.7
		N1 Area 06 Cafe	Rm Peak	134	4.0	10,933	14,069	755	37.05	0	0	-3,668	755	4.0	4.0
		N1 Area 07 Papeleria	Rm Peak	134	1.0	8,408	9,055	643	31.55	0	0	-2,839	643	1.2	1.2
		N1 Area 08 Secretaria y oficiales	Rm Peak	542	12.0	29,850	36,616	1,989	24.21	0	0	-13,851	1,989	4.5	4.5
		N1 Area 09 Circulacion Titulares	Rm Peak	2,094	20.0	40,548	57,508	2,493	7.85	0	0	-31,932	2,493	6.0	6.0
		N1 Area 10 Cafe	Rm Peak	118	4.0	5,862	9,368	333	18.65	0	0	-2,971	333	9.0	9.0
		N1 Area 11 Papeleria	Rm Peak	98	1.0	2,539	3,387	163	11.00	0	0	-1,809	163	4.6	4.6
		N1 Area 12 Papeleria	Rm Peak	168	1.0	3,269	4,117	222	8.75	0	0	-2,884	222	3.4	3.4
		N1 Area 13 Circulacion Juzgado Ejecucion	Rm Peak	444	5.0	26,000	27,986	2,071	30.76	0	0	-9,928	2,071	1.8	1.8
		N1 Area 14 Testigos de cargo	Rm Peak	102	3.0	1,966	4,595	86	5.53	0	0	-2,336	86	26.3	26.3
		N1 Area 15 Testigos de descargo	Rm Peak	102	3.0	1,966	4,595	86	5.53	0	0	-2,336	86	26.3	26.3
		N1 Area 16 Bodega	Rm Peak	70	1.0	3,245	3,694	197	18.42	0	0	-2,889	197	3.8	3.8
		N1 Area 17 Vestibulo acceso funcionarios	Rm Peak	451	5.0	9,405	13,645	532	7.79	0	0	-15,737	532	7.0	7.0
		N1 Area 18 Archivo	Rm Peak	456	1.0	8,513	9,202	618	8.95	0	0	-10,510	618	1.2	1.2
		N1 Area 19 Videograbacion	Rm Peak	138	2.0	26,246	27,625	2,115	101.17	0	0	-6,058	2,115	0.7	0.7
		N1 Area 20 Pasillo interior	Rm Peak	1,298	12.0	23,307	32,713	1,385	7.04	0	0	-35,656	1,385	6.5	6.5
		N1 Area 21 Receso Titular	Rm Peak	99	1.0	4,341	4,975	300	20.02	0	0	-2,180	300	2.5	2.5
		N1 Area 22 Exclusa testigo	Rm Peak	68	1.0	1,279	2,127	71	6.91	0	0	-2,306	71	10.5	10.5
		N1 Area 23 Exclusa testigo	Rm Peak	68	1.0	1,275	2,123	71	6.88	0	0	-2,288	71	10.5	10.5
		N1 Area 24 Receso Titular	Rm Peak	93	1.0	2,487	3,335	159	11.31	0	0	-1,731	159	4.7	4.7
		N1 Area 25 Sala Juicio Oral 1	Rm Peak	1,128	45.0	36,626	76,067	1,837	10.73	0	0	-32,127	1,837	18.4	18.4
		N1 Area 26 Sala Juicio Oral 2	Rm Peak	1,085	45.0	37,779	77,220	1,687	10.25	0	0	-31,764	1,687	20.0	20.0
		N1 Area 27 Entrevista imputado	Rm Peak	93	2.0	3,345	4,913	210	14.82	0	0	-2,679	210	7.1	7.1
		N1 Area 28 Resguardo imputado	Rm Peak	65	3.0	2,006	4,550	103	10.54	0	0	-3,348	103	21.8	21.8
		N1 Area 29 Vestibulo Salas	Rm Peak	451	10.0	8,429	16,908	384	5.62	0	0	-11,510	384	19.5	19.5
		N1 Area 30 Coordinacion custotios	Rm Peak	957	10.0	25,302	33,782	1,455	10.03	0	0	-31,768	1,455	5.2	5.2
		N1 Area 31 Entrevista imputado	Rm Peak	87	2.0	6,579	7,533	360	27.17	0	0	-6,635	360	4.2	4.2
		N1 Area 32 Resguardo imputado	Rm Peak	52	3.0	2,050	4,594	82	10.39	0	0	-3,048	82	27.4	27.4
ner Nivel			**Sys Peak**	**11,785**	**214.0**	**424,083**	**596,542**	**27,065**				**-313,405**	**27,065**	**5.9**	**5.9**
ner Nivel			**Sys Block**	**11,785**	**214.0**	**397,151**	**564,905**	**27,065**				**-313,405**	**27,065**	**5.9**	**5.9**

This report does not display heating only systems.

oject Name: CJPF Celaya
taset Name: CJPF CELAYA.TRC

Ejemplo de valores principales a considerar para la selección de equipos.

Room Checksums

By Trane

PB Area 20 Coordinacion de Seguridad

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 15
Outside Air: OADB/WB/HR: 87 / 86 / 237

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	125		125	2
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	125	0	125	2
Internal Loads				
Lights	2,112	0	2,112	30
People	900	0	900	13
Misc	2,389	0	2,389	34
Sub Total ==>	5,401	0	5,401	77
Ceiling Load	105	-105	0	0
Ventilation Load	0	0	1,515	22
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-15	-15	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	5,632	-120	7,027	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 17
OADB: 84

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	157	3
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	157	3
Internal Loads		
Lights	2,112	40
People	500	9
Misc	2,389	45
Sub Total ==>	5,001	94
Ceiling Load	139	3
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing		
Exhaust Heat	0	0
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	5,298	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-575	-575	38.64
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-575	-575	38.64
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-97	0	0.00
Ventilation Load	0	-519	34.82
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		13	-0.90
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		-409	27.44
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-672	-1,489	100.00

TEMPERATURES

	Cooling	Heating
SADB	58.3	72.1
Ra Plenum	76.1	69.0
Return	76.1	69.0
Ret/OA	76.5	67.4
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	348	348
Terminal	348	348
Main Fan	348	348
Sec Fan	0	0
Nom Vent	15	15
AHU Vent	15	15
Infil	0	0
MinStop/Rh	0	0
Return	348	348
Exhaust	15	15
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	4.3	4.3
cfm/ft²	1.12	1.12
cfm/ton	594.25	
ft²/ton	528.47	
Btu/hr·ft²	22.71	-4.81
No. People	2	

COOLING COIL SELECTION

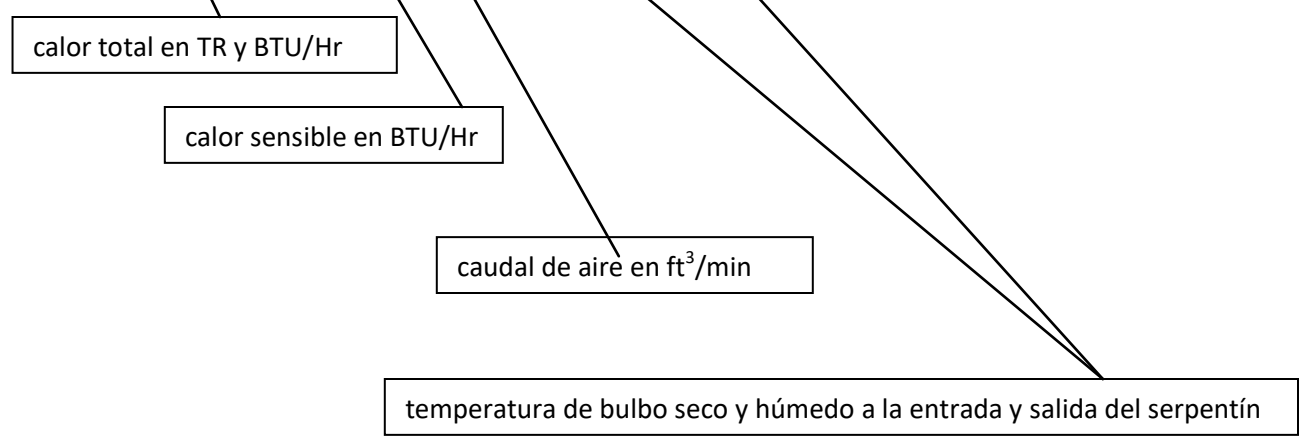
	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	0.6	7.0	5.3	348	76.5	63.4	86.1	58.3	56.3	80.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.6	7.0								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	309		
Part	39		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-1.5	348	67.4	72.1
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-1.5			



Room Checksums

By Trane

PB Area 01 Juez Administrador

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 3 / 18
Outside Air: OADB/WB/HR: 75 / 75 / 162

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	10,154	0	10,154	52
Glass/Door Cond	22	0	22	0
Wall Cond	738	785	1,524	8
Partition/Door	74		74	0
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	10,988	785	11,774	61
Internal Loads				
Lights	1,824	0	1,824	9
People	1,350	0	1,350	7
Misc	3,413	0	3,413	18
Sub Total ==>	6,587	0	6,587	34
Ceiling Load	112	-112	0	0
Ventilation Load	0	0	1,064	5
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-27	-27	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	17,687	647	19,397	100.00

CLG SPACE PEAK

Mo/Hr: 3 / 18
OADB: 75

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	10,154	59
Glass/Door Cond	22	0
Wall Cond	738	4
Partition/Door	74	0
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	10,988	64
Internal Loads		
Lights	1,824	11
People	750	4
Misc	3,413	20
Sub Total ==>	5,987	35
Ceiling Load	112	1
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing		
Exhaust Heat	0	0
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	17,087	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	-348	-348	8.92
Wall Cond	-879	-1,828	46.86
Partition/Door	-659	-659	16.88
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-1,886	-2,835	72.67
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-83	0	0.00
Ventilation Load	0	-778	19.94
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		20	-0.52
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		-309	7.91
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-1,969	-3,901	100.00

TEMPERATURES

	Cooling	Heating
SADB	60.7	71.7
Ra Plenum	76.3	69.0
Return	76.3	69.0
Ret/OA	76.3	68.4
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	1,310	1,310
Terminal	1,310	1,310
Main Fan	1,310	1,310
Sec Fan	0	0
Nom Vent	23	23
AHU Vent	23	23
Infil	0	0
Min Stop/Rh	0	0
Return	1,310	1,310
Exhaust	23	23
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	1.7	1.7
cfm/ft²	4.90	4.90
cfm/ton	810.59	
ft²/ton	165.28	
Btu/hr·ft²	72.60	-14.60
No. People	3	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	1.6	19.4	17.7	1,310	76.3	62.3	80.7	60.7	57.1	79.7
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.6	19.4								

AREAS

	Gross Total ft²	Glass ft²	Glass (%)
Floor	267		
Part	45		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	393	129	33
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-3.9	1,310	68.4	71.7
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-3.9			

Room Checksums

By Trane

PB Area 02 Despachos Log Admvo

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 4 / 17
Outside Air: OADB/WB/HR: 82 / 82 / 206

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	32,028	0	32,028	34
Glass/Door Cond	217	0	217	0
Wall Cond	163	1,088	1,252	1
Partition/Door	444		444	0
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	32,852	1,088	33,940	36
Internal Loads				
Lights	11,762	0	11,762	13
People	9,450	0	9,450	10
Misc	25,768	0	25,768	28
Sub Total ==>	46,980	0	46,980	50
Ceiling Load	752	-752	0	0
Ventilation Load	0	0	12,460	13
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-197	-197	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	80,584	139	93,183	100.00

CLG SPACE PEAK

Mo/Hr: 3 / 18
OADB: 75

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	34,424	44
Glass/Door Cond	29	0
Wall Cond	209	0
Partition/Door	207	0
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	34,868	44
Internal Loads		
Lights	11,762	15
People	5,250	7
Misc	25,768	33
Sub Total ==>	42,780	55
Ceiling Load	720	1
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing		
Exhaust Heat	0	0
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	78,368	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	-1,044	-1,044	7.42
Wall Cond	-229	-1,798	12.77
Partition/Door	-1,866	-1,866	13.26
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-3,140	-4,709	33.45
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-538	0	0.00
Ventilation Load	0	-5,445	38.69
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		141	-1.00
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		-4,063	28.86
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-3,678	-14,075	100.00

TEMPERATURES

	Cooling	Heating
SADB	59.8	70.7
Ra Plenum	76.4	69.0
Return	76.4	69.0
Ret/OA	76.5	68.0
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	5,681	5,681
Terminal	5,681	5,681
Main Fan	5,681	5,681
Sec Fan	0	0
Nom Vent	158	158
AHU Vent	158	158
Infil	0	0
Min Stop/Rh	0	0
Return	5,681	5,681
Exhaust	158	158
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	2.8	2.8
cfm/ft²	3.30	3.30
cfm/ton	731.53	
ft²/ton	221.90	
Btu/hr·ft²	54.08	-8.17
No. People	21	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	7.8	93.2	77.6	5,681	76.5	62.8	82.8	59.8	57.0	80.8
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	7.8	93.2								

AREAS

	Gross Total ft²	Glass ft²	Glass (%)
Floor	1,723		
Part	127		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	650	388	60
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-14.1	5,681	68.0	70.7
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-14.1			

Room Checksums

By Trane

PB Area 03 Sala

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 4 / 18
Outside Air: OADB/WB/HR: 79 / 79 / 184

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	10,590	0	10,590	55
Glass/Door Cond	51	0	51	0
Wall Cond	72	484	556	3
Partition/Door	0		0	0
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	10,713	484	11,197	58
Internal Loads				
Lights	1,020	0	1,020	5
People	1,800	0	1,800	9
Misc	3,413	0	3,413	18
Sub Total ==>	6,233	0	6,233	32
Ceiling Load	68	-68	0	0
Ventilation Load	0	0	1,897	10
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-39	-39	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	17,014	377	19,288	100.00

CLG SPACE PEAK

Mo/Hr: 3 / 18
OADB: 75

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	10,996	66
Glass/Door Cond	17	0
Wall Cond	62	0
Partition/Door	0	0
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	11,075	67
Internal Loads		
Lights	1,020	6
People	1,000	6
Misc	3,413	21
Sub Total ==>	5,433	33
Ceiling Load	62	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing		
Exhaust Heat	0	0
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	16,570	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	-348	-348	13.53
Wall Cond	-76	-599	23.28
Partition/Door	0	0	0.00
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-425	-947	36.81
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-47	0	0.00
Ventilation Load	0	-1,037	40.30
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		27	-1.05
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		-616	23.93
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-471	-2,574	100.00

TEMPERATURES

	Cooling	Heating
SADB	60.1	70.4
Ra Plenum	76.4	69.0
Return	76.4	69.0
Ret/OA	76.5	68.1
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	1,218	1,218
Terminal	1,218	1,218
Main Fan	1,218	1,218
Sec Fan	0	0
Nom Vent	30	30
AHU Vent	30	30
Infil	0	0
Min Stop/Rh	0	0
Return	1,218	1,218
Exhaust	30	30
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	2.5	2.5
cfm/ft²	8.15	8.15
cfm/ton	757.82	
ft²/ton	92.98	
Btu/hr·ft²	129.06	-17.22
No. People	4	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	1.6	19.3	16.7	1,218	76.5	62.6	81.8	60.1	57.0	80.4
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.6	19.3								

AREAS

	Gross Total ft²	Glass ft²	Glass (%)
Floor	149		
Part	0		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	217	129	60
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-2.6	1,218	68.1	70.4
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-2.6			

Room Checksums

By Trane

PB Area 04 Archivo

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 15
Outside Air: OADB/WB/HR: 87 / 86 / 237

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	0		0	0
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	0	0	0	0
Internal Loads				
Lights	1,538	0	1,538	39
People	450	0	450	11
Misc	1,195	0	1,195	30
Sub Total ==>	3,183	0	3,183	81
Ceiling Load	77	-77	0	0
Ventilation Load	0	0	757	19
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-7	-7	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	3,259	-84	3,933	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 18
OADB: 80

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	0	0
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	0	0
Internal Loads		
Lights	1,538	50
People	250	8
Misc	1,195	39
Sub Total ==>	2,983	97
Ceiling Load	105	3
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing		
Exhaust Heat	0	0
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	3,088	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	0	0	0.00
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	0	0	0.00
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-70	0	0.00
Ventilation Load	0	-259	50.58
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		7	-1.31
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		-260	50.73
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-70	-513	100.00

TEMPERATURES

	Cooling	Heating
SADB	59.0	70.4
Ra Plenum	76.1	69.0
Return	76.1	69.0
Ret/OA	76.5	67.7
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	212	212
Terminal	212	212
Main Fan	212	212
Sec Fan	0	0
Nom Vent	8	8
AHU Vent	8	8
Infil	0	0
Min Stop/Rh	0	0
Return	212	212
Exhaust	8	8
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	3.5	3.5
cfm/ft²	0.94	0.94
cfm/ton	645.59	
ft²/ton	687.52	
Btu/hr·ft²	17.45	-2.28
No. People	1	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	0.3	3.9	3.1	212	76.5	63.1	84.9	59.0	56.6	80.4
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.3	3.9								

AREAS

	Gross Total ft²	Glass ft²	Glass (%)
Floor	225		
Part	0		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-0.5	212	67.7	70.4
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-0.5			

Room Checksums

By Trane

PB Area 05 Consultorio Medico

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 12 / 14
Outside Air: OADB/WB/HR: 73 / 73 / 149

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	12,666	0	12,666	62
Glass/Door Cond	-47	0	-47	0
Wall Cond	308	449	757	4
Partition/Door	-142		-142	-1
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	12,786	449	13,235	65
Internal Loads				
Lights	1,660	0	1,660	8
People	1,350	0	1,350	7
Misc	3,413	0	3,413	17
Sub Total ==>	6,423	0	6,423	31
Ceiling Load	14	-14	0	0
Ventilation Load	0	0	844	4
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-4	-4	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	19,223	432	20,498	100.00

CLG SPACE PEAK

Mo/Hr: 12 / 14
OADB: 73

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	12,666	68
Glass/Door Cond	-47	0
Wall Cond	308	2
Partition/Door	-142	-1
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	12,786	69
Internal Loads		
Lights	1,660	9
People	750	4
Misc	3,413	18
Sub Total ==>	5,823	31
Ceiling Load	14	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing		
Exhaust Heat	0	0
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	18,623	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	-435	-435	11.33
Wall Cond	-669	-1,628	42.38
Partition/Door	-594	-594	15.47
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-1,699	-2,658	69.18
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-76	0	0.00
Ventilation Load	0	-778	20.25
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		20	-0.53
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		-426	11.10
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-1,775	-3,842	100.00

TEMPERATURES

	Cooling	Heating
SADB	61.0	71.3
Ra Plenum	75.2	69.0
Return	75.2	69.0
Ret/OA	75.1	68.4
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	1,460	1,460
Terminal	1,460	1,460
Main Fan	1,460	1,460
Sec Fan	0	0
Nom Vent	23	23
AHU Vent	23	23
Infil	0	0
MinStop/Rh	0	0
Return	1,460	1,460
Exhaust	23	23
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	1.5	1.5
cfm/ft²	6.00	6.00
cfm/ton	854.74	
ft²/ton	142.36	
Btu/hr·ft²	84.29	-15.80
No. People	3	

COOLING COIL SELECTION

	Total Capacity ton	MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	WB °F	gr/lb	Leave DB °F	WB °F	gr/lb
Main Clg	1.7	20.5	19.0	1,460	75.1	61.9	80.6	61.0	57.0	78.6
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.7	20.5								

AREAS

	Gross Total ft²	Glass ft²	(%)
Floor	243		
Part	40		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	397	161	41
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-3.8	1,460	68.4	71.3
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-3.8			

Room Checksums

By Trane

PB Area 06 Lactancia

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 15
Outside Air: OADB/WB/HR: 87 / 86 / 237

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	228		228	7
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	228	0	228	7
Internal Loads				
Lights	596	0	596	19
People	900	0	900	28
Misc	0	0	0	0
Sub Total ==>	1,496	0	1,496	46
Ceiling Load	30	-30	0	0
Ventilation Load	0	0	1,512	47
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-15	-15	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	1,755	-44	3,222	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 17
OADB: 84

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	319	22
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	319	22
Internal Loads		
Lights	596	41
People	500	34
Misc	0	0
Sub Total ==>	1,096	75
Ceiling Load	39	3
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing		
Exhaust Heat	0	0
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	1,455	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-1,200	-1,200	66.87
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-1,200	-1,200	66.87
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-27	0	0.00
Ventilation Load	0	-519	28.90
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		13	-0.75
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		-89	4.98
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-1,227	-1,795	100.00

TEMPERATURES

	Cooling	Heating
SADB	51.9	89.5
Ra Plenum	76.1	69.0
Return	76.1	69.0
Ret/OA	78.4	61.0
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	69	69
Terminal	69	69
Main Fan	69	69
Sec Fan	0	0
Nom Vent	15	15
AHU Vent	15	15
Infil	0	0
MinStop/Rh	0	0
Return	69	69
Exhaust	15	15
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	21.6	21.6
cfm/ft²	0.79	0.79
cfm/ton	258.14	
ft²/ton	325.37	
Btu/hr·ft²	36.88	-20.54
No. People	2	

COOLING COIL SELECTION

	Total Capacity ton	MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	WB °F	gr/lb	Leave DB °F	WB °F	gr/lb
Main Clg	0.3	3.2	1.5	69	78.4	68.7	113.7	51.9	51.9	70.3
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.3	3.2								

AREAS

	Gross Total ft²	Glass ft²	(%)
Floor	87		
Part	81		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-1.8	69	61.0	89.5
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-1.8			

Room Checksums

By Trane

PB Area 07 Secretaria SM

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 11
Outside Air: OADB/WB/HR: 75 / 75 / 162

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	3,931	0	3,931	33
Glass/Door Cond	-14	0	-14	0
Wall Cond	124	140	264	2
Partition/Door	-168		-168	-1
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	3,873	140	4,013	33
Internal Loads				
Lights	1,451	0	1,451	12
People	1,800	0	1,800	15
Misc	3,413	0	3,413	28
Sub Total ==>	6,664	0	6,664	55
Ceiling Load	-6	6	0	0
Ventilation Load	0	0	1,407	12
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		3	3	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	10,531	149	12,088	100.00

CLG SPACE PEAK

Mo/Hr: 4 / 10
OADB: 68

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	5,124	48
Glass/Door Cond	-46	0
Wall Cond	-66	-1
Partition/Door	-282	-3
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	4,730	45
Internal Loads		
Lights	1,451	14
People	1,000	9
Misc	3,413	32
Sub Total ==>	5,864	56
Ceiling Load	-28	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	10,566	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	-172	-172	5.64
Wall Cond	-428	-895	29.28
Partition/Door	-704	-704	23.04
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-1,305	-1,771	57.96
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-66	0	0.00
Ventilation Load	0	-1,037	33.94
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		27	-0.88
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		-274	8.98
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-1,371	-3,056	100.00

TEMPERATURES

	Cooling	Heating
SADB	59.6	72.0
Ra Plenum	74.9	69.0
Return	74.9	69.0
Ret/OA	74.9	67.5
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	752	752
Terminal	752	752
Main Fan	752	752
Sec Fan	0	0
Nom Vent	30	30
AHU Vent	30	30
Infil	0	0
Min Stop/Rh	0	0
Return	752	752
Exhaust	30	30
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	4.0	4.0
cfm/ft²	3.54	3.54
cfm/ton	746.98	
ft²/ton	211.08	
Btu/hr-ft²	56.85	-14.37
No. People	4	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter gr/lb	Leave DB °F	Leave WB °F	Leave gr/lb
Main Clg	1.0	12.1	9.9	752	74.9	62.3	82.8	59.6	56.6	79.2
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.0	12.1								

AREAS

	Gross Total ft²	Glass ft²	Glass (%)
Floor	213		
Part	48		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	193	64	33
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-3.1	752	67.5	72.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-3.1			

Room Checksums

By Trane

PB Area 08 Ludoteca

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 15
Outside Air: OADB/WB/HR: 87 / 86 / 237

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	261		261	1
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	261	0	261	1
Internal Loads				
Lights	2,149	0	2,149	11
People	5,400	0	5,400	27
Misc	3,413	0	3,413	17
Sub Total ==>	10,962	0	10,962	54
Ceiling Load	107	-107	0	0
Ventilation Load	0	0	9,074	45
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-88	-88	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	11,330	-195	20,209	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 17
OADB: 84

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	328	4
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	328	4
Internal Loads		
Lights	2,149	24
People	3,000	33
Misc	3,413	38
Sub Total ==>	8,562	95
Ceiling Load	142	2
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Exhaust Heat	0	0
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	9,031	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-1,200	-1,200	25.44
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-1,200	-1,200	25.44
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-98	0	0.00
Ventilation Load	0	-3,111	65.96
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		81	-1.71
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		-487	10.31
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-1,298	-4,717	100.00

TEMPERATURES

	Cooling	Heating
SADB	52.1	73.3
Ra Plenum	76.1	69.0
Return	76.1	69.0
Ret/OA	78.3	61.3
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	433	433
Terminal	433	433
Main Fan	433	433
Sec Fan	0	0
Nom Vent	90	90
AHU Vent	90	90
Infil	0	0
Min Stop/Rh	0	0
Return	433	433
Exhaust	90	90
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	20.8	20.8
cfm/ft²	1.38	1.38
cfm/ton	257.12	
ft²/ton	186.95	
Btu/hr-ft²	64.19	-14.98
No. People	12	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter gr/lb	Leave DB °F	Leave WB °F	Leave gr/lb
Main Clg	1.7	20.2	9.7	433	78.3	68.4	112.3	52.1	52.0	70.7
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.7	20.2								

AREAS

	Gross Total ft²	Glass ft²	Glass (%)
Floor	315		
Part	81		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-4.7	433	61.3	73.3
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-4.7			

Room Checksums

By Trane

PB Area 09 Papeleria

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 15
Outside Air: OADB/WB/HR: 87 / 86 / 237

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	0		0	0
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	0	0	0	0
Internal Loads				
Lights	568	0	568	19
People	450	0	450	15
Misc	1,195	0	1,195	40
Sub Total ==>	2,213	0	2,213	75
Ceiling Load	28	-28	0	0
Ventilation Load	0	0	757	26
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-7	-7	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	2,241	-36	2,963	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 18
OADB: 80

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	0	0
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	0	0
Internal Loads		
Lights	568	28
People	250	12
Misc	1,195	58
Sub Total ==>	2,013	98
Ceiling Load	39	2
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Grand Total ==>	2,052	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	0	0	0.00
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	0	0	0.00
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-26	0	0.00
Ventilation Load	0	-259	65.50
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		7	-1.70
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		-143	36.20
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-26	-396	100.00

TEMPERATURES

	Cooling	Heating
SADB	57.8	70.2
Ra Plenum	76.1	69.0
Return	76.1	69.0
Ret/OA	76.7	66.9
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	131	131
Terminal	131	131
Main Fan	131	131
Sec Fan	0	0
Nom Vent	8	8
AHU Vent	8	8
Infil	0	0
MinStop/Rh	0	0
Return	131	131
Exhaust	8	8
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	5.7	5.7
cfm/ft²	1.57	1.57
cfm/ton	529.78	
ft²/ton	337.28	
Btu/hr·ft²	35.58	-4.75
No. People	1	

COOLING COIL SELECTION

	Total Capacity ton	MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	WB °F	HR gr/lb	Leave DB °F	WB °F	HR gr/lb
Main Clg	0.3	3.0	2.1	131	76.7	63.9	88.4	57.8	56.0	79.1
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.3	3.0								

AREAS

	Gross Total ft²	Glass ft²	(%)
Floor	83		
Part	0		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-0.4	131	66.9	70.2
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-0.4			

Room Checksums

By Trane

PB Area 10 Pasillo interior

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 11
Outside Air: OADB/WB/HR: 75 / 75 / 162

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	9,763	0	9,763	49
Glass/Door Cond	-138	0	-138	-1
Wall Cond	33	234	267	1
Partition/Door	-655		-655	-3
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	9,003	234	9,237	47
Internal Loads				
Lights	5,003	0	5,003	25
People	3,150	0	3,150	16
Misc	0	0	0	0
Sub Total ==>	8,153	0	8,153	41
Ceiling Load	-22	22	0	0
Ventilation Load	0	0	2,463	12
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		5	5	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	17,133	261	19,857	100.00

CLG SPACE PEAK

Mo/Hr: 3 / 11
OADB: 69

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	11,270	69
Glass/Door Cond	-413	-3
Wall Cond	2	0
Partition/Door	-1,132	-7
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	9,727	59
Internal Loads		
Lights	5,003	31
People	1,750	11
Misc	0	0
Sub Total ==>	6,753	41
Ceiling Load	-88	-1
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Grand Total ==>	16,391	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	-1,746	-1,746	22.89
Wall Cond	-114	-895	11.73
Partition/Door	-2,754	-2,754	36.09
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-4,614	-5,395	70.72
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-229	0	0.00
Ventilation Load	0	-1,815	23.79
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		47	-0.62
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		-466	6.11
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-4,843	-7,629	100.00

TEMPERATURES

	Cooling	Heating
SADB	59.1	74.7
Ra Plenum	74.9	69.0
Return	74.9	69.0
Ret/OA	74.9	67.3
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	1,135	1,135
Terminal	1,135	1,135
Main Fan	1,135	1,135
Sec Fan	0	0
Nom Vent	53	53
AHU Vent	53	53
Infil	0	0
MinStop/Rh	0	0
Return	1,135	1,135
Exhaust	53	53
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	4.6	4.6
cfm/ft²	1.55	1.55
cfm/ton	686.12	
ft²/ton	442.89	
Btu/hr·ft²	27.09	-10.41
No. People	7	

COOLING COIL SELECTION

	Total Capacity ton	MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	WB °F	HR gr/lb	Leave DB °F	WB °F	HR gr/lb
Main Clg	1.7	19.9	16.0	1,135	74.9	62.4	83.3	59.1	56.2	78.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.7	19.9								

AREAS

	Gross Total ft²	Glass ft²	(%)
Floor	733		
Part	187		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	324	193	60
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-7.6	1,135	67.3	74.7
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-7.6			

Room Checksums

By Trane

PB Area 11 Testigo Protegido

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 15
Outside Air: OADB/WB/HR: 87 / 86 / 237

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	0		0	0
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	0	0	0	0
Internal Loads				
Lights	950	0	950	10
People	1,800	0	1,800	20
Misc	3,413	0	3,413	37
Sub Total ==>	6,163	0	6,163	67
Ceiling Load	47	-47	0	0
Ventilation Load	0	0	3,027	33
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-29	-29	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	6,210	-77	9,160	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 18
OADB: 80

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	0	0
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	0	0
Internal Loads		
Lights	950	17
People	1,000	18
Misc	3,413	63
Sub Total ==>	5,363	99
Ceiling Load	65	1
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Dehumid. Ov Sizing		
Ov/Undr Sizing	0	0
Exhaust Heat		
Sup. Fan Heat		
Ret. Fan Heat		
Duct Heat Pkup		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	5,428	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	0	0	0.00
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	0	0	0.00
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-43	0	0.00
Ventilation Load	0	-1,037	77.39
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		27	-2.01
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		-330	24.62
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-43	-1,340	100.00

TEMPERATURES

	Cooling	Heating
SADB	56.3	70.2
Ra Plenum	76.1	69.0
Return	76.1	69.0
Ret/OA	77.1	65.5
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	320	320
Terminal	320	320
Main Fan	320	320
Sec Fan	0	0
Nom Vent	30	30
AHU Vent	30	30
Infil	0	0
MinStop/Rh	0	0
Return	320	320
Exhaust	30	30
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	9.4	9.4
cfm/ft²	2.30	2.30
cfm/ton	418.62	
ft²/ton	182.25	
Btu/hr-ft²	65.84	-9.63
No. People	4	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	0.8	9.2	5.7	320	77.1	65.0	94.2	56.3	55.1	77.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.8	9.2								

AREAS

	Gross Total ft²	Glass ft²	Glass (%)
Floor	139		
Part	0		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-1.3	320	65.5	70.2
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-1.3			

Room Checksums

By Trane

PB Area 12 Justicia Alternativa

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 15
Outside Air: OADB/WB/HR: 87 / 86 / 237

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	0		0	0
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	0	0	0	0
Internal Loads				
Lights	931	0	931	8
People	2,700	0	2,700	23
Misc	3,413	0	3,413	30
Sub Total ==>	7,044	0	7,044	61
Ceiling Load	46	-46	0	0
Ventilation Load	0	0	4,538	39
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-44	-44	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	7,091	-90	11,538	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 18
OADB: 80

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	0	0
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	0	0
Internal Loads		
Lights	931	16
People	1,500	25
Misc	3,413	58
Sub Total ==>	5,844	99
Ceiling Load	64	1
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Dehumid. Ov Sizing		
Ov/Undr Sizing	0	0
Exhaust Heat		
Sup. Fan Heat		
Ret. Fan Heat		
Duct Heat Pkup		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	5,908	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	0	0	0.00
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	0	0	0.00
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-43	0	0.00
Ventilation Load	0	-1,556	84.21
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		40	-2.18
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		-332	17.97
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-43	-1,847	100.00

TEMPERATURES

	Cooling	Heating
SADB	54.9	70.2
Ra Plenum	76.1	69.0
Return	76.1	69.0
Ret/OA	77.6	63.9
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	323	323
Terminal	323	323
Main Fan	323	323
Sec Fan	0	0
Nom Vent	45	45
AHU Vent	45	45
Infil	0	0
MinStop/Rh	0	0
Return	323	323
Exhaust	45	45
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	13.9	13.9
cfm/ft²	2.37	2.37
cfm/ton	335.78	
ft²/ton	141.90	
Btu/hr-ft²	84.57	-13.54
No. People	6	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	1.0	11.5	6.3	323	77.6	66.4	101.5	54.9	54.2	75.6
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.0	11.5								

AREAS

	Gross Total ft²	Glass ft²	Glass (%)
Floor	136		
Part	0		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-1.9	323	63.9	70.2
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-1.9			

Room Checksums

By Trane

PB Area 13 Bodega

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 11 / 18
Outside Air: OADB/WB/HR: 70 / 70 / 138

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	992	532	1,524	40
Partition/Door	-26		-26	-1
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	966	532	1,498	39
Internal Loads				
Lights	481	0	481	13
People	450	0	450	12
Misc	1,195	0	1,195	31
Sub Total ==>	2,126	0	2,126	55
Ceiling Load	21	-21	0	0
Ventilation Load	0	0	217	6
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-6	-6	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	3,113	504	3,833	100.00

CLG SPACE PEAK

Mo/Hr: 11 / 18
OADB: 70

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	992	34
Partition/Door	-26	-1
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	966	33
Internal Loads		
Lights	481	17
People	250	9
Misc	1,195	41
Sub Total ==>	1,926	66
Ceiling Load	21	1
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing		
Exhaust Heat	0	0
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	2,913	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	-755	-1,157	59.92
Partition/Door	-714	-714	37.01
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-1,469	-1,871	96.93
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-22	0	0.00
Ventilation Load	0	-259	13.43
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		7	-0.35
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		193	-10.01
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-1,491	-1,930	100.00

TEMPERATURES

	Cooling	Heating
SADB	59.6	77.9
Ra Plenum	75.9	69.0
Return	75.9	69.0
Ret/OA	75.7	67.7
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	208	208
Terminal	208	208
Main Fan	208	208
Sec Fan	0	0
Nom Vent	8	8
AHU Vent	8	8
Infil	0	0
MinStop/Rh	0	0
Return	208	208
Exhaust	8	8
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	3.6	3.6
cfm/ft²	2.95	2.95
cfm/ton	650.79	
ft²/ton	220.62	
Btu/hr-ft²	54.39	-27.39
No. People	1	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter gr/lb	Leave DB °F	Leave WB °F	Leave gr/lb
Main Clg	0.3	3.8	3.4	208	75.7	62.3	81.6	59.6	55.8	75.2
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.3	3.8								

AREAS

	Gross Total ft²	Glass ft²	Glass (%)
Floor	70		
Part	48		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	166	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-1.9	208	67.7	77.9
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-1.9			

Room Checksums

By Trane

PB Area 14 Control de acceso

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 13
Outside Air: OADB/WB/HR: 83 / 83 / 214

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	1,577	1,577	10
Glass Solar	6,708	0	6,708	42
Glass/Door Cond	277	0	277	2
Wall Cond	97	248	346	2
Partition/Door	0		0	0
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	7,082	1,825	8,907	56
Internal Loads				
Lights	1,677	0	1,677	10
People	2,250	0	2,250	14
Misc	0	0	0	0
Sub Total ==>	3,927	0	3,927	25
Ceiling Load	39	-39	0	0
Ventilation Load	0	0	3,162	20
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-17	-17	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	11,049	1,768	15,979	100.00

CLG SPACE PEAK

Mo/Hr: 1 / 12
OADB: 67

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	11,909	86
Glass/Door Cond	-766	-6
Wall Cond	-209	-2
Partition/Door	0	0
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	10,934	79
Internal Loads		
Lights	1,677	12
People	1,250	9
Misc	0	0
Sub Total ==>	2,927	21
Ceiling Load	-33	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing		
Exhaust Heat	0	0
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	13,827	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	-1,942	38.44
Glass Solar	0	0	0.00
Glass/Door Cond	-2,358	-2,358	46.69
Wall Cond	-459	-1,676	33.18
Partition/Door	0	0	0.00
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-2,818	-5,976	118.32
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-77	0	0.00
Ventilation Load	0	-1,296	25.67
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		34	-0.67
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		2,188	-43.32
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-2,894	-5,050	100.00

TEMPERATURES

	Cooling	Heating
SADB	59.8	73.2
Ra Plenum	75.5	69.0
Return	75.5	69.0
Ret/OA	75.8	67.6
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	997	997
Terminal	997	997
Main Fan	997	997
Sec Fan	0	0
Nom Vent	38	38
AHU Vent	38	38
Infil	0	0
MinStop/Rh	0	0
Return	997	997
Exhaust	38	38
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	3.8	3.8
cfm/ft²	4.06	4.06
cfm/ton	748.44	
ft²/ton	184.49	
Btu/hr-ft²	65.05	-20.56
No. People	5	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter gr/lb	Leave DB °F	Leave WB °F	Leave gr/lb
Main Clg	1.3	16.0	12.1	997	75.8	62.9	84.6	59.8	57.3	82.2
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.3	16.0								

AREAS

	Gross Total ft²	Glass ft²	Glass (%)
Floor	246		
Part	0		
Int Door	0		
ExFlr	0		
Roof	246	0	0
Wall	504	261	52
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-5.1	997	67.6	73.2
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-5.1			

Room Checksums

By Trane

PB Area 15 Vestibulo acceso funcionarios

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			
Peaked at Time:	Mo/Hr: 5 / 16				Mo/Hr: 5 / 17			Mo/Hr: Heating Design			
Outside Air:	OADB/WB/HR: 86 / 85 / 231				OADB: 84			OADB: 32			
	Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total		Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total
	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)		Btu/h	Btu/h	(%)
Envelope Loads							**Envelope Loads**			
Skylite Solar	0	0	0	0	0	0	Skylite Solar	0	0	0.00
Skylite Cond	0	0	0	0	0	0	Skylite Cond	0	0	0.00
Roof Cond	0	0	0	0	0	0	Roof Cond	0	0	0.00
Glass Solar	0	0	0	0	0	0	Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0	0	0	0	Glass/Door Cond	0	0	0.00
Wall Cond	152	80	232	2	141	1	Wall Cond	-161	-246	3.05
Partition/Door	1,465		1,465	10	1,580	16	Partition/Door	-5,937	-5,937	73.55
Floor	0		0	0	0	0	Floor	0	0	0.00
Adjacent Floor	0	0	0	0	0	0	Adjacent Floor	0	0	0.00
Infiltration	0		0	0	0	0	Infiltration	0	0	0.00
Sub Total ==>	1,616	80	1,696	12	1,721	17	*Sub Total ==>*	-6,098	-6,184	76.60
Internal Loads							**Internal Loads**			
Lights	3,348	0	3,348	23	3,348	34	Lights	0	0	0.00
People	2,250	0	2,250	16	1,250	13	People	0	0	0.00
Misc	3,413	0	3,413	24	3,413	34	Misc	0	0	0.00
Sub Total ==>	9,011	0	9,011	63	8,011	80	*Sub Total ==>*	0	0	0.00
Ceiling Load	199	-199	0	0	221	2	**Ceiling Load**	-153	0	0.00
Ventilation Load	0	0	3,612	25	0	0	**Ventilation Load**	0	-1,296	16.06
Adj Air Trans Heat	0		0	0	0	0	**Adj Air Trans Heat**	0	0	0
Dehumid. Ov Sizing			0	0			**Ov/Undr Sizing**	0	0	0.00
Ov/Undr Sizing	0		0	0	0	0	**Exhaust Heat**		34	-0.42
Exhaust Heat		-44	-44	0			**OA Preheat Diff.**		0	0.00
Sup. Fan Heat			0	0			**RA Preheat Diff.**		0	0.00
Ret. Fan Heat		0	0	0			**Additional Reheat**		0	0.00
Duct Heat Pkup		0	0	0			**System Plenum Heat**		-626	7.75
Underflr Sup Ht Pkup			0	0			**Underflr Sup Ht Pkup**		0	0.00
Supply Air Leakage		0	0	0			**Supply Air Leakage**		0	0.00
Grand Total ==>	10,826	-163	14,275	100.00	9,952	100.00	***Grand Total ==>***	-6,251	-8,072	100.00

TEMPERATURES

	Cooling	Heating
SADB	57.4	81.0
Ra Plenum	76.3	69.0
Return	76.3	69.0
Ret/OA	76.9	66.8
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	622	622
Terminal	622	622
Main Fan	622	622
Sec Fan	0	0
Nom Vent	38	38
AHU Vent	38	38
Infil	0	0
Min Stop/Rh	0	0
Return	622	622
Exhaust	38	38
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	6.0	6.0
cfm/ft²	1.27	1.27
cfm/ton	523.25	
ft²/ton	412.28	
Btu/hr·ft²	29.11	-16.46
No. People	5	

COOLING COIL SELECTION

	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	1.2	14.3	10.0	622	76.9	63.9	88.5	57.4	55.9	79.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.2	14.3								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	490		
Part	403		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	35	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	-8.1	622	66.8	81.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-8.1			

Room Checksums

By Trane

PB Area 16 Pasillo sanitarios

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			
Peaked at Time:	Mo/Hr: 5 / 16				Mo/Hr: 5 / 17			Mo/Hr: Heating Design			
Outside Air:	OADB/WB/HR: 86 / 85 / 231				OADB: 84			OADB: 32			
	Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total	Space Sensible	Percent Of Total		Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total
	Btu/h	Btu/h	Btu/h	(%)	Btu/h	(%)		Btu/h	Btu/h	(%)
Envelope Loads							**Envelope Loads**			
Skylite Solar	0	0	0	0	0	0	Skylite Solar	0	0	0.00
Skylite Cond	0	0	0	0	0	0	Skylite Cond	0	0	0.00
Roof Cond	0	0	0	0	0	0	Roof Cond	0	0	0.00
Glass Solar	325	0	325	3	286	4	Glass Solar	0	0	0.00
Glass/Door Cond	83	0	83	1	74	1	Glass/Door Cond	-292	-292	3.09
Wall Cond	18	122	140	1	17	0	Wall Cond	-19	-150	1.58
Partition/Door	1,812		1,812	16	1,955	27	Partition/Door	-7,347	-7,347	77.72
Floor	0		0	0	0	0	Floor	0	0	0.00
Adjacent Floor	0	0	0	0	0	0	Adjacent Floor	0	0	0.00
Infiltration	0		0	0	0	0	Infiltration	0	0	0.00
Sub Total ==>	2,238	122	2,360	20	2,331	32	*Sub Total ==>*	-7,658	-7,789	82.39
Internal Loads							**Internal Loads**			
Lights	3,381	0	3,381	29	3,381	47	Lights	0	0	0.00
People	2,250	0	2,250	19	1,250	17	People	0	0	0.00
Misc	0	0	0	0	0	0	Misc	0	0	0.00
Sub Total ==>	5,631	0	5,631	49	4,631	64	*Sub Total ==>*	0	0	0.00
Ceiling Load	201	-201	0	0	223	3	**Ceiling Load**	-155	0	0.00
Ventilation Load	0	0	3,610	31	0	0	**Ventilation Load**	0	-1,296	13.71
Adj Air Trans Heat	0		0	0	0	0	**Adj Air Trans Heat**	0	0	0
Dehumid. Ov Sizing			0	0			**Ov/Undr Sizing**	0	0	0.00
Ov/Undr Sizing	0		0	0	0	0	**Exhaust Heat**		34	-0.36
Exhaust Heat		-44	-44	0			**OA Preheat Diff.**		0	0.00
Sup. Fan Heat			0	0			**RA Preheat Diff.**		0	0.00
Ret. Fan Heat		0	0	0			**Additional Reheat**		0	0.00
Duct Heat Pkup		0	0	0			**System Plenum Heat**		-402	4.25
Underflr Sup Ht Pkup			0	0			**Underflr Sup Ht Pkup**		0	0.00
Supply Air Leakage		0	0	0			**Supply Air Leakage**		0	0.00
Grand Total ==>	8,070	-123	11,558	100.00	7,185	100.00	***Grand Total ==>***	-7,813	-9,454	100.00

TEMPERATURES

	Cooling	Heating
SADB	56.3	90.4
Ra Plenum	76.3	69.0
Return	76.3	69.0
Ret/OA	77.1	65.7
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	422	422
Terminal	422	422
Main Fan	422	422
Sec Fan	0	0
Nom Vent	38	38
AHU Vent	38	38
Infil	0	0
Min Stop/Rh	0	0
Return	422	422
Exhaust	38	38
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	8.9	8.9
cfm/ft²	0.85	0.85
cfm/ton	437.69	
ft²/ton	514.23	
Btu/hr·ft²	23.34	-19.09
No. People	5	

COOLING COIL SELECTION

	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	1.0	11.6	7.3	422	77.1	64.8	92.9	56.3	55.3	78.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.0	11.6								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	495		
Part	498		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	54	32	60
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity	Coil Airflow	Ent	Lvg
	MBh	cfm	°F	°F
Main Htg	-9.5	422	65.7	90.4
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-9.5			

Room Checksums

By Trane

PB Area 17 Bodega

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 16
Outside Air: OADB/WB/HR: 86 / 85 / 231

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	296		296	9
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	296	0	296	9
Internal Loads				
Lights	709	0	709	21
People	450	0	450	13
Misc	1,195	0	1,195	36
Sub Total ==>	2,353	0	2,353	70
Ceiling Load	42	-42	0	0
Ventilation Load	0	0	723	21
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-9	-9	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	2,691	-51	3,363	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 17
OADB: 84

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	319	13
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	319	13
Internal Loads		
Lights	709	28
People	250	10
Misc	1,195	47
Sub Total ==>	2,153	85
Ceiling Load	47	2
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	2,519	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-1,200	-1,200	73.53
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-1,200	-1,200	73.53
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-32	0	0.00
Ventilation Load	0	-259	15.89
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		7	-0.41
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		-180	11.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-1,233	-1,632	100.00

TEMPERATURES

	Cooling	Heating
SADB	58.1	78.3
Ra Plenum	76.3	69.0
Return	76.3	69.0
Ret/OA	76.7	67.3
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	164	164
Terminal	164	164
Main Fan	164	164
Sec Fan	0	0
Nom Vent	8	8
AHU Vent	8	8
Infil	0	0
MinStop/Rh	0	0
Return	164	164
Exhaust	8	8
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	4.6	4.6
cfm/ft²	1.58	1.58
cfm/ton	585.59	
ft²/ton	370.49	
Btu/hr-ft²	32.39	-15.72
No. People	1	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	0.3	3.4	2.5	164	76.7	63.5	86.2	58.1	56.3	80.2
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.3	3.4								

AREAS

	Gross Total ft²	Glass ft²	Glass (%)
Floor	104		
Part	81		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-1.6	164	67.3	78.3
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-1.6			

Valores para la selección del equipo de precisión del Site

PB Area 18 SITE

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 20
Outside Air: OADB/WB/HR: 73 / 73 / 149

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	1,668	889	2,557	3
Partition/Door	0		0	0
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	1,668	889	2,557	3
Internal Loads				
Lights	4,853	0	4,853	5
People	900	0	900	1
Misc	83,900	0	83,900	90
Sub Total ==>	89,653	0	89,653	96
Ceiling Load	289	-289	0	0
Ventilation Load	0	0	730	1
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-18	-18	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	91,610	582	92,923	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 20
OADB: 73

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	1,668	2
Partition/Door	0	0
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	1,668	2
Internal Loads		
Lights	4,853	5
People	500	1
Misc	83,900	92
Sub Total ==>	89,253	98
Ceiling Load	289	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	91,210	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	-1,200	-1,838	28.63
Partition/Door	0	0	0.00
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-1,200	-1,838	28.63
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-222	0	0.00
Ventilation Load	0	-519	8.08
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		13	-0.21
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		-4,078	63.51
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-1,422	-6,422	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.0	70.3
Ra Plenum	76.3	69.0
Return	76.3	69.0
Ret/OA	76.3	68.9
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	5,013	5,013
Terminal	5,013	5,013
Main Fan	5,013	5,013
Sec Fan	0	0
Nom Vent	15	15
AHU Vent	15	15
Infil	0	0
MinStop/Rh	0	0
Return	5,013	5,013
Exhaust	15	15
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	0.3	0.3
cfm/ft²	7.05	7.05
cfm/ton	647.39	
ft²/ton	91.81	
Btu/hr-ft²	130.71	-9.03
No. People	2	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	7.7	92.9	91.8	5,013	76.3	58.2	60.0	55.0	50.6	60.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	7.7	92.9								

AREAS

	Gross Total ft²	Glass ft²	Glass (%)
Floor	711		
Part	0		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	265	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-6.4	5,013	68.9	70.3
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-6.4			

Room Checksums

By Trane

PB Area 19 CECOM de Seguridad

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 4 / 18
Outside Air: OADB/WB/HR: 79 / 79 / 184

	Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total
	Btu/h	Btu/h	Btu/h	(%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	10,590	0	10,590	40
Glass/Door Cond	51	0	51	0
Wall Cond	72	484	556	2
Partition/Door	374		374	1
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	11,087	484	11,572	44
Internal Loads				
Lights	2,862	0	2,862	11
People	900	0	900	3
Misc	10,239	0	10,239	39
Sub Total ==>	14,001	0	14,001	53
Ceiling Load	190	-190	0	0
Ventilation Load	0	0	946	4
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-20	-20	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	25,279	274	26,499	100.00

CLG SPACE PEAK

Mo/Hr: 3 / 18
OADB: 75

	Space Sensible	Percent Of Total
	Btu/h	(%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	10,996	44
Glass/Door Cond	17	0
Wall Cond	62	0
Partition/Door	204	1
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	11,279	45
Internal Loads		
Lights	2,862	11
People	500	2
Misc	10,239	41
Sub Total ==>	13,601	54
Ceiling Load	175	1
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing		0
Exhaust Heat	0	0
OA Preheat Diff.		0
RA Preheat Diff.		0
Additional Reheat		0
System Plenum Heat		0
Underflr Sup Ht Pkup		0
Supply Air Leakage		0
Grand Total ==>	25,056	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total
	Btu/h	Btu/h	(%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	-348	-348	7.41
Wall Cond	-76	-599	12.75
Partition/Door	-1,763	-1,763	37.52
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-2,188	-2,710	57.69
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-131	0	0.00
Ventilation Load	0	-519	11.04
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		13	-0.29
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		-1,483	31.56
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-2,318	-4,698	100.00

TEMPERATURES

	Cooling	Heating
SADB	61.8	71.2
Ra Plenum	76.4	69.0
Return	76.4	69.0
Ret/OA	76.5	68.8
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	2,091	2,091
Terminal	2,091	2,091
Main Fan	2,091	2,091
Sec Fan	0	0
Nom Vent	15	15
AHU Vent	15	15
Infil	0	0
MinStop/Rh	0	0
Return	2,091	2,091
Exhaust	15	15
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	0.7	0.7
cfm/ft²	4.99	4.99
cfm/ton	946.95	
ft²/ton	189.88	
Btu/hr·ft²	63.20	-11.20
No. People	2	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	2.2	26.5	25.2	2,091	76.5	62.3	80.3	61.8	57.6	80.3
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	2.2	26.5								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	419		
Part	120		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	217	129	60
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-4.7	2,091	68.8	71.2
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-4.7			

Room Checksums

By Trane

PB Area 20 Coordinacion de Seguridad

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 15
Outside Air: OADB/WB/HR: 87 / 86 / 237

	Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total
	Btu/h	Btu/h	Btu/h	(%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	125		125	2
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	125	0	125	2
Internal Loads				
Lights	2,112	0	2,112	30
People	900	0	900	13
Misc	2,389	0	2,389	34
Sub Total ==>	5,401	0	5,401	77
Ceiling Load	105	-105	0	0
Ventilation Load	0	0	1,515	22
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-15	-15	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	5,632	-120	7,027	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 17
OADB: 84

	Space Sensible	Percent Of Total
	Btu/h	(%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	157	3
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	157	3
Internal Loads		
Lights	2,112	40
People	500	9
Misc	2,389	45
Sub Total ==>	5,001	94
Ceiling Load	139	3
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing		0
Exhaust Heat	0	0
OA Preheat Diff.		0
RA Preheat Diff.		0
Additional Reheat		0
System Plenum Heat		0
Underflr Sup Ht Pkup		0
Supply Air Leakage		0
Grand Total ==>	5,298	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total
	Btu/h	Btu/h	(%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-575	-575	38.64
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-575	-575	38.64
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-97	0	0.00
Ventilation Load	0	-519	34.82
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		13	-0.90
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		-409	27.44
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-672	-1,489	100.00

TEMPERATURES

	Cooling	Heating
SADB	58.3	72.1
Ra Plenum	76.1	69.0
Return	76.1	69.0
Ret/OA	76.5	67.4
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	348	348
Terminal	348	348
Main Fan	348	348
Sec Fan	0	0
Nom Vent	15	15
AHU Vent	15	15
Infil	0	0
MinStop/Rh	0	0
Return	348	348
Exhaust	15	15
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	4.3	4.3
cfm/ft²	1.12	1.12
cfm/ton	594.25	
ft²/ton	528.47	
Btu/hr·ft²	22.71	-4.81
No. People	2	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	0.6	7.0	5.3	348	76.5	63.4	86.1	58.3	56.3	80.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.6	7.0								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	309		
Part	39		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-1.5	348	67.4	72.1
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-1.5			

Room Checksums

By Trane

PB Area 21 Lockers

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 18
Outside Air: OADB/WB/HR: 80 / 80 / 194

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	2,663	0	2,663	42
Glass/Door Cond	16	0	16	0
Wall Cond	205	223	429	7
Partition/Door	355		355	6
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	3,240	223	3,464	55
Internal Loads				
Lights	937	0	937	15
People	900	0	900	14
Misc	0	0	0	0
Sub Total ==>	1,837	0	1,837	29
Ceiling Load	64	-64	0	0
Ventilation Load	0	0	1,055	17
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-20	-20	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	5,142	139	6,335	100.00

CLG SPACE PEAK

Mo/Hr: 4 / 18
OADB: 79

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	2,797	58
Glass/Door Cond	13	0
Wall Cond	198	4
Partition/Door	303	6
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	3,311	69
Internal Loads		
Lights	937	19
People	500	10
Misc	0	0
Sub Total ==>	1,437	30
Ceiling Load	62	1
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Dehumid. Ov Sizing		
Ov/Undr Sizing	0	0
Exhaust Heat		
Sup. Fan Heat		
Ret. Fan Heat		
Duct Heat Pkup		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	4,810	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	-87	-87	3.40
Wall Cond	-211	-443	17.31
Partition/Door	-1,429	-1,429	55.81
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-1,726	-1,959	76.52
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-43	0	0.00
Ventilation Load	0	-519	20.26
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		13	-0.53
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		-96	3.75
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-1,769	-2,560	100.00

TEMPERATURES

	Cooling	Heating
SADB	58.4	76.1
Ra Plenum	76.5	69.0
Return	76.5	69.0
Ret/OA	76.7	67.3
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	318	318
Terminal	318	318
Main Fan	318	318
Sec Fan	0	0
Nom Vent	15	15
AHU Vent	15	15
Infil	0	0
MinStop/Rh	0	0
Return	318	318
Exhaust	15	15
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	4.7	4.7
cfm/ft²	2.32	2.32
cfm/ton	603.26	
ft²/ton	260.06	
Btu/hr·ft²	46.14	-18.64
No. People	2	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	0.5	6.3	5.0	318	76.7	63.2	84.7	58.4	56.2	79.1
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.5	6.3								

AREAS

	Gross Total ft²	Glass ft²	Glass (%)
Floor	137		
Part	97		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	96	32	34
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-2.6	318	67.3	76.1
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-2.6			

Room Checksums

By Trane

PB Area 22 CECOM Mantenimiento

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 6 / 18
Outside Air: OADB/WB/HR: 78 / 78 / 181

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	6,382	0	6,382	29
Glass/Door Cond	43	0	43	0
Wall Cond	64	427	490	2
Partition/Door	291		291	1
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	6,779	427	7,206	33
Internal Loads				
Lights	2,477	0	2,477	11
People	900	0	900	4
Misc	10,239	0	10,239	47
Sub Total ==>	13,616	0	13,616	63
Ceiling Load	163	-163	0	0
Ventilation Load	0	0	914	4
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-19	-19	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	20,558	245	21,717	100.00

CLG SPACE PEAK

Mo/Hr: 6 / 18
OADB: 78

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	6,382	32
Glass/Door Cond	43	0
Wall Cond	64	0
Partition/Door	291	1
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	6,779	34
Internal Loads		
Lights	2,477	12
People	500	2
Misc	10,239	51
Sub Total ==>	13,216	66
Ceiling Load	163	1
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Dehumid. Ov Sizing		
Ov/Undr Sizing	0	0
Exhaust Heat		
Sup. Fan Heat		
Ret. Fan Heat		
Duct Heat Pkup		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	20,158	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	-349	-349	8.43
Wall Cond	-77	-601	14.51
Partition/Door	-1,642	-1,642	39.60
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-2,068	-2,593	62.54
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-113	0	0.00
Ventilation Load	0	-519	12.51
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		13	-0.32
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		-1,048	25.28
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-2,181	-4,146	100.00

TEMPERATURES

	Cooling	Heating
SADB	61.4	71.5
Ra Plenum	76.4	69.0
Return	76.4	69.0
Ret/OA	76.4	68.7
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	1,628	1,628
Terminal	1,628	1,628
Main Fan	1,628	1,628
Sec Fan	0	0
Nom Vent	15	15
AHU Vent	15	15
Infil	0	0
MinStop/Rh	0	0
Return	1,628	1,628
Exhaust	15	15
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	0.9	0.9
cfm/ft²	4.49	4.49
cfm/ton	899.44	
ft²/ton	200.49	
Btu/hr·ft²	59.85	-11.43
No. People	2	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	1.8	21.7	20.5	1,628	76.4	62.3	80.3	61.4	57.5	80.3
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.8	21.7								

AREAS

	Gross Total ft²	Glass ft²	Glass (%)
Floor	363		
Part	111		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	217	130	60
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-4.2	1,628	68.7	71.5
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-4.2			

Room Checksums

By Trane

PB Area 23 Defensoria

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 6 / 18
Outside Air: OADB/WB/HR: 78 / 78 / 181

CLG SPACE PEAK

Mo/Hr: 6 / 18
OADB: 78

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)	Space Sensible Btu/h	Percent Of Total (%)		Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads							**Envelope Loads**			
Skylite Solar	0	0	0	0	0	0	Skylite Solar	0	0	0.00
Skylite Cond	0	0	0	0	0	0	Skylite Cond	0	0	0.00
Roof Cond	0	0	0	0	0	0	Roof Cond	0	0	0.00
Glass Solar	12,711	0	12,711	27	12,711	35	Glass Solar	0	0	0.00
Glass/Door Cond	86	0	86	0	86	0	Glass/Door Cond	-696	-696	9.53
Wall Cond	127	850	977	2	127	0	Wall Cond	-153	-1,198	16.40
Partition/Door	0		0	0	0	0	Partition/Door	0	0	0.00
Floor	0		0	0	0	0	Floor	0	0	0.00
Adjacent Floor	0	0	0	0	0	0	Adjacent Floor	0	0	0.00
Infiltration	0		0	0	0	0	Infiltration	0	0	0.00
Sub Total ==>	12,925	850	13,775	29	12,925	35	*Sub Total ==>*	-849	-1,894	25.93
Internal Loads							**Internal Loads**			
Lights	5,520	0	5,520	12	5,520	15	Lights	0	0	0.00
People	7,200	0	7,200	15	4,000	11	People	0	0	0.00
Misc	13,823	0	13,823	29	13,823	38	Misc	0	0	0.00
Sub Total ==>	26,542	0	26,542	56	23,342	64	*Sub Total ==>*	0	0	0.00
Ceiling Load	362	-362	0	0	362	1	**Ceiling Load**	-252	0	0.00
Ventilation Load	0	0	7,312	15	0	0	**Ventilation Load**	0	-4,149	56.80
Adj Air Trans Heat	0		0	0	0	0	**Adj Air Trans Heat**	0	0	0
Dehumid. Ov Sizing			0	0			**Ov/Undr Sizing**	0	0	0.00
Ov/Undr Sizing	0		0	0	0	0	**Exhaust Heat**		108	-1.47
Exhaust Heat		-154	-154	0			**OA Preheat Diff.**		0	0.00
Sup. Fan Heat			0	0			**RA Preheat Diff.**		0	0.00
Ret. Fan Heat		0	0	0			**Additional Reheat**		0	0.00
Duct Heat Pkup		0	0	0			**System Plenum Heat**		-1,369	18.74
Underflr Sup Ht Pkup			0	0			**Underflr Sup Ht Pkup**		0	0.00
Supply Air Leakage		0	0	0			**Supply Air Leakage**		0	0.00
Grand Total ==>	39,829	333	47,475	100.00	36,629	100.00	***Grand Total ==>***	-1,101	-7,304	100.00

TEMPERATURES

	Cooling	Heating
SADB	58.3	70.5
Ra Plenum	76.4	69.0
Return	76.4	69.0
Ret/OA	76.5	67.2
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	2,411	2,411
Terminal	2,411	2,411
Main Fan	2,411	2,411
Sec Fan	0	0
Nom Vent	120	120
AHU Vent	120	120
Infil	0	0
MinStop/Rh	0	0
Return	2,411	2,411
Exhaust	120	120
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	5.0	5.0
cfm/ft²	2.98	2.98
cfm/ton	609.35	
ft²/ton	204.39	
Btu/hr·ft²	58.71	-9.03
No. People	16	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	4.0	47.5	37.3	2,411	76.5	63.1	84.4	58.3	56.1	79.1
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	4.0	47.5								

AREAS

	Gross Total ft²	Glass ft²	Glass (%)
Floor	809		
Part	0		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	433	258	60
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-7.3	2,411	67.2	70.5
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-7.3			

Room Checksums

By Trane

PB Area 24 Cafe Defensoria

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 15
Outside Air: OADB/WB/HR: 87 / 86 / 237

CLG SPACE PEAK

Mo/Hr: 5 / 18
OADB: 80

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)	Space Sensible Btu/h	Percent Of Total (%)		Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads							**Envelope Loads**			
Skylite Solar	0	0	0	0	0	0	Skylite Solar	0	0	0.00
Skylite Cond	0	0	0	0	0	0	Skylite Cond	0	0	0.00
Roof Cond	0	0	0	0	0	0	Roof Cond	0	0	0.00
Glass Solar	0	0	0	0	0	0	Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0	0	0	0	Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0	0	0	0	Wall Cond	0	0	0.00
Partition/Door	0		0	0	0	0	Partition/Door	0	0	0.00
Floor	0		0	0	0	0	Floor	0	0	0.00
Adjacent Floor	0	0	0	0	0	0	Adjacent Floor	0	0	0.00
Infiltration	0		0	0	0	0	Infiltration	0	0	0.00
Sub Total ==>	0	0	0	0	0	0	*Sub Total ==>*	0	0	0.00
Internal Loads							**Internal Loads**			
Lights	387	0	387	5	387	8	Lights	0	0	0.00
People	1,350	0	1,350	18	750	16	People	0	0	0.00
Misc	3,413	0	3,413	46	3,413	75	Misc	0	0	0.00
Sub Total ==>	5,150	0	5,150	70	4,550	99	*Sub Total ==>*	0	0	0.00
Ceiling Load	19	-19	0	0	26	1	**Ceiling Load**	-18	0	0.00
Ventilation Load	0	0	2,271	31	0	0	**Ventilation Load**	0	-778	76.05
Adj Air Trans Heat	0		0	0	0	0	**Adj Air Trans Heat**	0	0	0
Dehumid. Ov Sizing			0	0			**Ov/Undr Sizing**	0	0	0.00
Ov/Undr Sizing	0		0	0	0	0	**Exhaust Heat**		20	-1.97
Exhaust Heat		-22	-22	0			**OA Preheat Diff.**		0	0.00
Sup. Fan Heat			0	0			**RA Preheat Diff.**		0	0.00
Ret. Fan Heat		0	0	0			**Additional Reheat**		0	0.00
Duct Heat Pkup		0	0	0			**System Plenum Heat**		-265	25.93
Underflr Sup Ht Pkup			0	0			**Underflr Sup Ht Pkup**		0	0.00
Supply Air Leakage		0	0	0			**Supply Air Leakage**		0	0.00
Grand Total ==>	5,169	-41	7,399	100.00	4,577	100.00	***Grand Total ==>***	-18	-1,023	100.00

TEMPERATURES

	Cooling	Heating
SADB	56.8	70.1
Ra Plenum	76.1	69.0
Return	76.1	69.0
Ret/OA	76.9	66.0
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	276	276
Terminal	276	276
Main Fan	276	276
Sec Fan	0	0
Nom Vent	23	23
AHU Vent	23	23
Infil	0	0
MinStop/Rh	0	0
Return	276	276
Exhaust	23	23
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	8.2	8.2
cfm/ft²	4.87	4.87
cfm/ton	447.70	
ft²/ton	91.97	
Btu/hr·ft²	130.48	-18.04
No. People	3	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	0.6	7.4	4.8	276	76.9	64.6	92.3	56.8	55.3	77.8
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.6	7.4								

AREAS

	Gross Total ft²	Glass ft²	Glass (%)
Floor	57		
Part	0		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-1.0	276	66.0	70.1
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-1.0			

Room Checksums

By Trane

PB Area 25 Archivo Papeleria Defensoria

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 15
Outside Air: OADB/WB/HR: 87 / 86 / 237

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	0		0	0
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	0	0	0	0
Internal Loads				
Lights	899	0	899	27
People	450	0	450	14
Misc	1,195	0	1,195	36
Sub Total ==>	2,544	0	2,544	77
Ceiling Load	45	-45	0	0
Ventilation Load	0	0	757	23
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-7	-7	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	2,588	-52	3,294	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 18
OADB: 80

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	0	0
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	0	0
Internal Loads		
Lights	899	37
People	250	10
Misc	1,195	50
Sub Total ==>	2,344	97
Ceiling Load	62	3
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		0
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	2,405	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	0	0	0.00
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	0	0	0.00
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-41	0	0.00
Ventilation Load	0	-259	59.58
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		7	-1.54
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		-183	41.96
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-41	-435	100.00

TEMPERATURES

	Cooling	Heating
SADB	58.3	70.3
Ra Plenum	76.1	69.0
Return	76.1	69.0
Ret/OA	76.6	67.3
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	158	158
Terminal	158	158
Main Fan	158	158
Sec Fan	0	0
Nom Vent	8	8
AHU Vent	8	8
Infil	0	0
MinStop/Rh	0	0
Return	158	158
Exhaust	8	8
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	4.8	4.8
cfm/ft²	1.20	1.20
cfm/ton	574.98	
ft²/ton	479.84	
Btu/hr-ft²	25.01	-3.30
No. People	1	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	0.3	3.3	2.4	158	76.6	63.5	86.8	58.3	56.3	79.7
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.3	3.3								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	132		
Part	0		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-0.4	158	67.3	70.3
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-0.4			

Room Checksums

By Trane

PB Area 26 Oficina de Corr Comun

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 15
Outside Air: OADB/WB/HR: 87 / 86 / 237

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	58		58	0
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	58	0	58	0
Internal Loads				
Lights	1,744	0	1,744	14
People	1,350	0	1,350	11
Misc	6,655	0	6,655	55
Sub Total ==>	9,749	0	9,749	81
Ceiling Load	87	-87	0	0
Ventilation Load	0	0	2,272	19
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-22	-22	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	9,894	-109	12,057	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 17
OADB: 84

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	73	1
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	73	1
Internal Loads		
Lights	1,744	19
People	750	8
Misc	6,655	71
Sub Total ==>	9,149	98
Ceiling Load	115	1
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		0
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	9,337	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-266	-266	15.96
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-266	-266	15.96
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-80	0	0.00
Ventilation Load	0	-778	46.61
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		20	-1.21
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		-645	38.64
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-346	-1,669	100.00

TEMPERATURES

	Cooling	Heating
SADB	58.7	70.6
Ra Plenum	76.1	69.0
Return	76.1	69.0
Ret/OA	76.5	67.7
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	630	630
Terminal	630	630
Main Fan	630	630
Sec Fan	0	0
Nom Vent	23	23
AHU Vent	23	23
Infil	0	0
MinStop/Rh	0	0
Return	630	630
Exhaust	23	23
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	3.6	3.6
cfm/ft²	2.47	2.47
cfm/ton	627.21	
ft²/ton	254.23	
Btu/hr-ft²	47.20	-6.53
No. People	3	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	1.0	12.1	9.4	630	76.5	63.2	84.9	58.7	56.5	79.8
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.0	12.1								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	255		
Part	18		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-1.7	630	67.7	70.6
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-1.7			

Room Checksums

By Trane

PB Area 27 Papeleria OCC

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 15
Outside Air: OADB/WB/HR: 87 / 86 / 237

CLG SPACE PEAK

Mo/Hr: 5 / 18
OADB: 80

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)	Space Sensible Btu/h	Percent Of Total (%)		Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads							**Envelope Loads**			
Skylite Solar	0	0	0	0	0	0	Skylite Solar	0	0	0.00
Skylite Cond	0	0	0	0	0	0	Skylite Cond	0	0	0.00
Roof Cond	0	0	0	0	0	0	Roof Cond	0	0	0.00
Glass Solar	0	0	0	0	0	0	Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0	0	0	0	Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0	0	0	0	Wall Cond	0	0	0.00
Partition/Door	0		0	0	0	0	Partition/Door	0	0	0.00
Floor	0		0	0	0	0	Floor	0	0	0.00
Adjacent Floor	0	0	0	0	0	0	Adjacent Floor	0	0	0.00
Infiltration	0		0	0	0	0	Infiltration	0	0	0.00
Sub Total ==>	0	0	0	0	0	0	*Sub Total ==>*	0	0	0.00
Internal Loads							**Internal Loads**			
Lights	388	0	388	14	388	21	Lights	0	0	0.00
People	450	0	450	16	250	13	People	0	0	0.00
Misc	1,195	0	1,195	43	1,195	64	Misc	0	0	0.00
Sub Total ==>	2,032	0	2,032	73	1,832	99	*Sub Total ==>*	0	0	0.00
Ceiling Load	19	-19	0	0	27	1	**Ceiling Load**	-18	0	0.00
Ventilation Load	0	0	757	27	0	0	**Ventilation Load**	0	-259	69.19
Adj Air Trans Heat	0		0	0	0	0	**Adj Air Trans Heat**	0	0	0
Dehumid. Ov Sizing			0	0			**Ov/Undr Sizing**	0	0	0.00
Ov/Undr Sizing	0		0	0	0	0	**Exhaust Heat**		7	-1.79
Exhaust Heat		-7	-7	0			**OA Preheat Diff.**		0	0.00
Sup. Fan Heat			0	0			**RA Preheat Diff.**		0	0.00
Ret. Fan Heat		0	0	0			**Additional Reheat**		0	0.00
Duct Heat Pkup		0	0	0			**System Plenum Heat**		-122	32.61
Underflr Sup Ht Pkup			0	0			**Underflr Sup Ht Pkup**		0	0.00
Supply Air Leakage		0	0	0			**Supply Air Leakage**		0	0.00
Grand Total ==>	2,052	-27	2,782	100.00	1,859	100.00	***Grand Total ==>***	-18	-375	100.00

TEMPERATURES

	Cooling	Heating
SADB	57.5	70.2
Ra Plenum	76.1	69.0
Return	76.1	69.0
Ret/OA	76.8	66.6
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	117	117
Terminal	117	117
Main Fan	117	117
Sec Fan	0	0
Nom Vent	8	8
AHU Vent	8	8
Infil	0	0
Min Stop/Rh	0	0
Return	117	117
Exhaust	8	8
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	6.4	6.4
cfm/ft²	2.05	2.05
cfm/ton	502.49	
ft²/ton	245.05	
Btu/hr·ft²	48.97	-6.60
No. People	1	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter gr/lb	Leave DB °F	Leave WB °F	Leave gr/lb
Main Clg	0.2	2.8	1.9	117	76.8	64.1	89.5	57.5	55.8	78.7
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.2	2.8								

AREAS

	Gross Total ft²	Glass ft²	Glass (%)
Floor	57		
Part	0		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-0.4	117	66.6	70.2
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-0.4			

Room Checksums

By Trane

PB Area 28 Sala de Videoconferencias

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 15
Outside Air: OADB/WB/HR: 87 / 86 / 237

CLG SPACE PEAK

Mo/Hr: 11 / 12
OADB: 70

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)	Space Sensible Btu/h	Percent Of Total (%)		Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads							**Envelope Loads**			
Skylite Solar	0	0	0	0	0	0	Skylite Solar	0	0	0.00
Skylite Cond	0	0	0	0	0	0	Skylite Cond	0	0	0.00
Roof Cond	0	0	0	0	0	0	Roof Cond	0	0	0.00
Glass Solar	471	0	471	2	2,801	28	Glass Solar	0	0	0.00
Glass/Door Cond	25	0	25	0	-19	0	Glass/Door Cond	-87	-87	1.31
Wall Cond	263	217	481	2	114	1	Wall Cond	-392	-721	10.86
Partition/Door	446		446	2	-888	-9	Partition/Door	-2,345	-2,345	35.29
Floor	0		0	0	0	0	Floor	0	0	0.00
Adjacent Floor	0	0	0	0	0	0	Adjacent Floor	0	0	0.00
Infiltration	0		0	0	0	0	Infiltration	0	0	0.00
Sub Total ==>	1,205	217	1,423	7	2,008	20	*Sub Total ==>*	-2,824	-3,153	47.46
Internal Loads							**Internal Loads**			
Lights	1,277	0	1,277	6	1,277	13	Lights	0	0	0.00
People	5,850	0	5,850	27	3,250	33	People	0	0	0.00
Misc	3,413	0	3,413	16	3,413	34	Misc	0	0	0.00
Sub Total ==>	10,540	0	10,540	49	7,940	80	*Sub Total ==>*	0	0	0.00
Ceiling Load	64	-64	0	0	-14	0	**Ceiling Load**	-58	0	0.00
Ventilation Load	0	0	9,833	45	0	0	**Ventilation Load**	0	-3,371	50.73
Adj Air Trans Heat	0		0	0	0	0	**Adj Air Trans Heat**	0	0	0
Dehumid. Ov Sizing			0	0			**Ov/Undr Sizing**	0	0	0.00
Ov/Undr Sizing	0		0	0	0	0	**Exhaust Heat**		87	-1.32
Exhaust Heat		-95	-95	0			**OA Preheat Diff.**		0	0.00
Sup. Fan Heat			0	0			**RA Preheat Diff.**		0	0.00
Ret. Fan Heat		0	0	0			**Additional Reheat**		0	0.00
Duct Heat Pkup		0	0	0			**System Plenum Heat**		-208	3.13
Underflr Sup Ht Pkup			0	0			**Underflr Sup Ht Pkup**		0	0.00
Supply Air Leakage		0	0	0			**Supply Air Leakage**		0	0.00
Grand Total ==>	11,809	58	21,700	100.00	9,933	100.00	***Grand Total ==>***	-2,882	-6,644	100.00

TEMPERATURES

	Cooling	Heating
SADB	54.5	75.9
Ra Plenum	76.1	69.0
Return	76.1	69.0
Ret/OA	78.0	62.3
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	534	534
Terminal	534	534
Main Fan	534	534
Sec Fan	0	0
Nom Vent	98	98
AHU Vent	98	98
Infil	0	0
Min Stop/Rh	0	0
Return	534	534
Exhaust	98	98
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	18.3	18.3
cfm/ft²	2.85	2.85
cfm/ton	295.14	
ft²/ton	103.41	
Btu/hr·ft²	116.04	-35.53
No. People	13	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter gr/lb	Leave DB °F	Leave WB °F	Leave gr/lb
Main Clg	1.8	21.7	10.3	534	78.0	67.7	108.3	54.5	54.0	75.2
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.8	21.7								

AREAS

	Gross Total ft²	Glass ft²	Glass (%)
Floor	187		
Part	159		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	136	32	24
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-6.6	534	62.3	75.9
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-6.6			

Room Checksums

By Trane

PB Area 29 Policia Procesal

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			
Peaked at Time:	Mo/Hr: 6 / 18				Mo/Hr: 6 / 18			Mo/Hr: Heating Design			
Outside Air:	OADB/WB/HR: 78 / 78 / 181				OADB: 78			OADB: 32			
	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)	Space Sensible Btu/h	Percent Of Total (%)		Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads							**Envelope Loads**			
Skylite Solar	0	0	0	0	0	0	Skylite Solar	0	0	0.00
Skylite Cond	0	0	0	0	0	0	Skylite Cond	0	0	0.00
Roof Cond	0	0	0	0	0	0	Roof Cond	0	0	0.00
Glass Solar	4,765	0	4,765	48	4,765	62	Glass Solar	0	0	0.00
Glass/Door Cond	32	0	32	0	32	0	Glass/Door Cond	-261	-261	16.56
Wall Cond	48	319	366	4	48	1	Wall Cond	-57	-449	28.51
Partition/Door	0		0	0	0	0	Partition/Door	0	0	0.00
Floor	0		0	0	0	0	Floor	0	0	0.00
Adjacent Floor	0	0	0	0	0	0	Adjacent Floor	0	0	0.00
Infiltration	0		0	0	0	0	Infiltration	0	0	0.00
Sub Total ==>	4,845	319	5,164	52	4,845	63	*Sub Total ==>*	-318	-710	45.07
Internal Loads							**Internal Loads**			
Lights	831	0	831	8	831	11	Lights	0	0	0.00
People	1,350	0	1,350	14	750	10	People	0	0	0.00
Misc	1,195	0	1,195	12	1,195	16	Misc	0	0	0.00
Sub Total ==>	3,376	0	3,376	34	2,776	36	*Sub Total ==>*	0	0	0.00
Ceiling Load	55	-55	0	0	55	1	**Ceiling Load**	-38	0	0.00
Ventilation Load	0	0	1,372	14	0	0	**Ventilation Load**	0	-778	49.38
Adj Air Trans Heat	0		0	0	0	0	**Adj Air Trans Heat**	0	0	0
Dehumid. Ov Sizing			0	0			**Ov/Undr Sizing**	0	0	0.00
Ov/Undr Sizing	0		0	0	0	0	**Exhaust Heat**		20	-1.28
Exhaust Heat		-29	-29	0			**OA Preheat Diff.**		0	0.00
Sup. Fan Heat			0	0			**RA Preheat Diff.**		0	0.00
Ret. Fan Heat		0	0	0			**Additional Reheat**		0	0.00
Duct Heat Pkup		0	0	0			**System Plenum Heat**		-108	6.83
Underflr Sup Ht Pkup			0	0			**Underflr Sup Ht Pkup**		0	0.00
Supply Air Leakage		0	0	0			**Supply Air Leakage**		0	0.00
Grand Total ==>	8,276	235	9,883	100.00	7,676	100.00	***Grand Total ==>***	-356	-1,575	100.00

TEMPERATURES	Cooling	Heating
SADB	58.6	70.8
Ra Plenum	76.4	69.0
Return	76.4	69.0
Ret/OA	76.5	67.4
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS	Cooling	Heating
Diffuser	515	515
Terminal	515	515
Main Fan	515	515
Sec Fan	0	0
Nom Vent	23	23
AHU Vent	23	23
Infil	0	0
MinStop/Rh	0	0
Return	515	515
Exhaust	23	23
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS	Cooling	Heating
% OA	4.4	4.4
cfm/ft²	4.23	4.23
cfm/ton	624.90	
ft²/ton	147.90	
Btu/hr-ft²	81.14	-12.93
No. People	3	

COOLING COIL SELECTION

	Total Capacity ton	MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	WB °F	HR gr/lb	Leave DB °F	WB °F	HR gr/lb
Main Clg	0.8	9.9	8.0	515	76.5	62.9	83.7	58.6	56.2	78.8
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.8	9.9								

AREAS

	Gross Total ft²	Glass ft²	(%)
Floor	122		
Part	0		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	162	97	60
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-1.6	515	67.4	70.8
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-1.6			

Room Checksums

By Trane

PB Area 30 PGR

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			
Peaked at Time:	Mo/Hr: 6 / 18				Mo/Hr: 6 / 18			Mo/Hr: Heating Design			
Outside Air:	OADB/WB/HR: 78 / 78 / 181				OADB: 78			OADB: 32			
	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)	Space Sensible Btu/h	Percent Of Total (%)		Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads							**Envelope Loads**			
Skylite Solar	0	0	0	0	0	0	Skylite Solar	0	0	0.00
Skylite Cond	0	0	0	0	0	0	Skylite Cond	0	0	0.00
Roof Cond	0	0	0	0	0	0	Roof Cond	0	0	0.00
Glass Solar	3,177	0	3,177	39	3,177	53	Glass Solar	0	0	0.00
Glass/Door Cond	22	0	22	0	22	0	Glass/Door Cond	-174	-174	12.88
Wall Cond	32	212	244	3	32	1	Wall Cond	-38	-299	22.17
Partition/Door	0		0	0	0	0	Partition/Door	0	0	0.00
Floor	0		0	0	0	0	Floor	0	0	0.00
Adjacent Floor	0	0	0	0	0	0	Adjacent Floor	0	0	0.00
Infiltration	0		0	0	0	0	Infiltration	0	0	0.00
Sub Total ==>	3,230	212	3,443	42	3,230	54	*Sub Total ==>*	-212	-473	35.05
Internal Loads							**Internal Loads**			
Lights	774	0	774	10	774	13	Lights	0	0	0.00
People	1,350	0	1,350	17	750	13	People	0	0	0.00
Misc	1,195	0	1,195	15	1,195	20	Misc	0	0	0.00
Sub Total ==>	3,319	0	3,319	41	2,719	45	*Sub Total ==>*	0	0	0.00
Ceiling Load	51	-51	0	0	51	1	**Ceiling Load**	-35	0	0.00
Ventilation Load	0	0	1,371	17	0	0	**Ventilation Load**	0	-778	57.60
Adj Air Trans Heat	0		0	0	0	0	**Adj Air Trans Heat**	0	0	0
Dehumid. Ov Sizing			0	0			**Ov/Undr Sizing**	0	0	0.00
Ov/Undr Sizing	0		0	0	0	0	**Exhaust Heat**		20	-1.49
Exhaust Heat		-29	-29	0			**OA Preheat Diff.**		0	0.00
Sup. Fan Heat			0	0			**RA Preheat Diff.**		0	0.00
Ret. Fan Heat		0	0	0			**Additional Reheat**		0	0.00
Duct Heat Pkup		0	0	0			**System Plenum Heat**		-119	8.85
Underflr Sup Ht Pkup			0	0			**Underflr Sup Ht Pkup**		0	0.00
Supply Air Leakage		0	0	0			**Supply Air Leakage**		0	0.00
Grand Total ==>	6,600	133	8,104	100.00	6,000	100.00	***Grand Total ==>***	-248	-1,351	100.00

TEMPERATURES	Cooling	Heating
SADB	57.9	70.7
Ra Plenum	76.4	69.0
Return	76.4	69.0
Ret/OA	76.5	66.9
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS	Cooling	Heating
Diffuser	385	385
Terminal	385	385
Main Fan	385	385
Sec Fan	0	0
Nom Vent	23	23
AHU Vent	23	23
Infil	0	0
MinStop/Rh	0	0
Return	385	385
Exhaust	23	23
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS	Cooling	Heating
% OA	5.8	5.8
cfm/ft²	3.40	3.40
cfm/ton	570.29	
ft²/ton	167.94	
Btu/hr-ft²	71.45	-11.91
No. People	3	

COOLING COIL SELECTION

	Total Capacity ton	MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	WB °F	HR gr/lb	Leave DB °F	WB °F	HR gr/lb
Main Clg	0.7	8.1	6.2	385	76.5	63.2	85.3	57.9	55.8	78.3
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.7	8.1								

AREAS

	Gross Total ft²	Glass ft²	(%)
Floor	113		
Part	0		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	108	65	60
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-1.4	385	66.9	70.7
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-1.4			

Room Checksums

By Trane

PB Area 31 Oficina

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 15
Outside Air: OADB/WB/HR: 87 / 86 / 237

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	0		0	0
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	0	0	0	0
Internal Loads				
Lights	868	0	868	27
People	450	0	450	14
Misc	1,195	0	1,195	37
Sub Total ==>	2,513	0	2,513	77
Ceiling Load	43	-43	0	0
Ventilation Load	0	0	757	23
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-7	-7	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	2,556	-51	3,263	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 18
OADB: 80

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	0	0
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	0	0
Internal Loads		
Lights	868	37
People	250	11
Misc	1,195	50
Sub Total ==>	2,313	97
Ceiling Load	59	3
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Dehumid. Ov Sizing		
Ov/Undr Sizing	0	0
Exhaust Heat		
Sup. Fan Heat		
Ret. Fan Heat		
Duct Heat Pkup		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	2,372	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	0	0	0.00
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	0	0	0.00
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-40	0	0.00
Ventilation Load	0	-259	60.09
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		7	-1.56
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		-179	41.47
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-40	-432	100.00

TEMPERATURES

	Cooling	Heating
SADB	58.2	70.3
Ra Plenum	76.1	69.0
Return	76.1	69.0
Ret/OA	76.6	67.2
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	155	155
Terminal	155	155
Main Fan	155	155
Sec Fan	0	0
Nom Vent	8	8
AHU Vent	8	8
Infil	0	0
MinStop/Rh	0	0
Return	155	155
Exhaust	8	8
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	4.8	4.8
cfm/ft²	1.22	1.22
cfm/ton	571.15	
ft²/ton	467.76	
Btu/hr-ft²	25.65	-3.39
No. People	1	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	0.3	3.3	2.4	155	76.6	63.6	86.9	58.2	56.2	79.6
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.3	3.3								

AREAS

	Gross Total ft²	Glass ft²	Glass (%)
Floor	127		
Part	0		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-0.4	155	67.2	70.3
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-0.4			

Room Checksums

By Trane

PB Area 32 Oficina

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 15
Outside Air: OADB/WB/HR: 87 / 86 / 237

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	0		0	0
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	0	0	0	0
Internal Loads				
Lights	498	0	498	17
People	450	0	450	16
Misc	1,195	0	1,195	41
Sub Total ==>	2,143	0	2,143	74
Ceiling Load	25	-25	0	0
Ventilation Load	0	0	757	26
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-7	-7	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	2,167	-32	2,892	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 18
OADB: 80

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	0	0
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	0	0
Internal Loads		
Lights	498	25
People	250	13
Misc	1,195	60
Sub Total ==>	1,943	98
Ceiling Load	34	2
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Dehumid. Ov Sizing		
Ov/Undr Sizing	0	0
Exhaust Heat		
Sup. Fan Heat		
Ret. Fan Heat		
Duct Heat Pkup		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	1,977	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	0	0	0.00
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	0	0	0.00
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-23	0	0.00
Ventilation Load	0	-259	66.90
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		7	-1.73
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		-135	34.84
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-23	-388	100.00

TEMPERATURES

	Cooling	Heating
SADB	57.7	70.2
Ra Plenum	76.1	69.0
Return	76.1	69.0
Ret/OA	76.7	66.8
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	125	125
Terminal	125	125
Main Fan	125	125
Sec Fan	0	0
Nom Vent	8	8
AHU Vent	8	8
Infil	0	0
MinStop/Rh	0	0
Return	125	125
Exhaust	8	8
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	6.0	6.0
cfm/ft²	1.72	1.72
cfm/ton	519.43	
ft²/ton	302.66	
Btu/hr-ft²	39.65	-5.31
No. People	1	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	0.2	2.9	2.0	125	76.7	63.9	88.8	57.7	55.9	79.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.2	2.9								

AREAS

	Gross Total ft²	Glass ft²	Glass (%)
Floor	73		
Part	0		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-0.4	125	66.8	70.2
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-0.4			

Room Checksums

By Trane

PB Area 33 Vestibulo de Acceso Publico

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 15
Outside Air: OADB/WB/HR: 87 / 86 / 237

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	120	63	183	1
Partition/Door	843		843	3
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	962	63	1,025	3
Internal Loads				
Lights	10,130	0	10,130	32
People	6,300	0	6,300	20
Misc	3,413	0	3,413	11
Sub Total ==>	19,843	0	19,843	63
Ceiling Load	505	-505	0	0
Ventilation Load	0	0	10,593	34
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-103	-103	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	21,310	-545	31,358	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 17
OADB: 84

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	119	1
Partition/Door	1,056	6
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	1,175	6
Internal Loads		
Lights	10,130	54
People	3,500	19
Misc	3,413	18
Sub Total ==>	17,043	90
Ceiling Load	667	4
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	18,886	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	-173	-265	2.94
Partition/Door	-3,870	-3,870	42.90
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-4,043	-4,135	45.83
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-463	0	0.00
Ventilation Load	0	-3,630	40.23
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		94	-1.04
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		-1,351	14.98
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-4,507	-9,022	100.00

TEMPERATURES

	Cooling	Heating
SADB	56.0	74.5
Ra Plenum	76.1	69.0
Return	76.1	69.0
Ret/OA	77.1	65.5
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	1,093	1,093
Terminal	1,093	1,093
Main Fan	1,093	1,093
Sec Fan	0	0
Nom Vent	105	105
AHU Vent	105	105
Infil	0	0
Min Stop/Rh	0	0
Return	1,093	1,093
Exhaust	105	105
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	9.6	9.6
cfm/ft²	0.74	0.74
cfm/ton	418.28	
ft²/ton	567.89	
Btu/hr·ft²	21.13	-6.08
No. People	14	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter gr/lb	Leave DB °F	Leave WB °F	Leave gr/lb
Main Clg	2.6	31.4	19.1	1,093	77.1	65.1	94.6	56.0	55.2	78.4
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	2.6	31.4								

AREAS

	Gross Total ft²	Glass ft²	Glass (%)
Floor	1,484		
Part	263		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	38	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-9.0	1,093	65.5	74.5
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-9.0			

Room Checksums

By Trane

PB Area 34 Lockers

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 15
Outside Air: OADB/WB/HR: 87 / 86 / 237

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	262	137	399	6
Partition/Door	384		384	6
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	646	137	783	12
Internal Loads				
Lights	1,181	0	1,181	17
People	1,800	0	1,800	27
Misc	0	0	0	0
Sub Total ==>	2,981	0	2,981	44
Ceiling Load	59	-59	0	0
Ventilation Load	0	0	3,025	45
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-29	-29	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	3,686	49	6,759	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 17
OADB: 84

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	270	9
Partition/Door	537	18
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	806	26
Internal Loads		
Lights	1,181	39
People	1,000	33
Misc	0	0
Sub Total ==>	2,181	71
Ceiling Load	78	3
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	3,065	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	-390	-598	16.59
Partition/Door	-2,018	-2,018	55.98
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-2,408	-2,616	72.57
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-54	0	0.00
Ventilation Load	0	-1,037	28.77
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		27	-0.75
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		21	-0.60
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-2,462	-3,605	100.00

TEMPERATURES

	Cooling	Heating
SADB	52.2	88.4
Ra Plenum	76.1	69.0
Return	76.1	69.0
Ret/OA	78.2	61.5
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	147	147
Terminal	147	147
Main Fan	147	147
Sec Fan	0	0
Nom Vent	30	30
AHU Vent	30	30
Infil	0	0
Min Stop/Rh	0	0
Return	147	147
Exhaust	30	30
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	20.3	20.3
cfm/ft²	0.85	0.85
cfm/ton	261.77	
ft²/ton	307.16	
Btu/hr·ft²	39.07	-20.83
No. People	4	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter gr/lb	Leave DB °F	Leave WB °F	Leave gr/lb
Main Clg	0.6	6.8	3.3	147	78.2	68.3	111.6	52.2	52.1	70.9
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.6	6.8								

AREAS

	Gross Total ft²	Glass ft²	Glass (%)
Floor	173		
Part	137		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	86	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-3.6	147	61.5	88.4
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-3.6			

Room Checksums

By Trane

PB Area 35 Control de acceso

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 3 / 13
Outside Air: OADB/WB/HR: 78 / 78 / 181

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	883	883	5
Glass Solar	9,158	0	9,158	57
Glass/Door Cond	-57	0	-57	0
Wall Cond	-17	-53	-70	0
Partition/Door	0		0	0
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	9,085	830	9,914	62
Internal Loads				
Lights	1,676	0	1,676	10
People	2,250	0	2,250	14
Misc	0	0	0	0
Sub Total ==>	3,926	0	3,926	24
Ceiling Load	18	-18	0	0
Ventilation Load	0	0	2,281	14
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-8	-8	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	13,028	804	16,114	100.00

CLG SPACE PEAK

Mo/Hr: 2 / 12
OADB: 69

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	11,892	85
Glass/Door Cond	-638	-5
Wall Cond	-173	-1
Partition/Door	0	0
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	11,081	79
Internal Loads		
Lights	1,676	12
People	1,250	9
Misc	0	0
Sub Total ==>	2,926	21
Ceiling Load	-25	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Dehumid. Ov Sizing		
Ov/Undr Sizing	0	0
Exhaust Heat		
Sup. Fan Heat		
Ret. Fan Heat		
Duct Heat Pkup		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	13,982	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	-1,941	38.43
Glass Solar	0	0	0.00
Glass/Door Cond	-2,358	-2,358	46.70
Wall Cond	-459	-1,675	33.17
Partition/Door	0	0	0.00
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-2,817	-5,974	118.30
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-77	0	0.00
Ventilation Load	0	-1,296	25.67
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		34	-0.67
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		2,187	-43.30
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-2,894	-5,050	100.00

TEMPERATURES

	Cooling	Heating
SADB	59.6	73.2
Ra Plenum	75.2	69.0
Return	75.2	69.0
Ret/OA	75.3	67.6
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	997	997
Terminal	997	997
Main Fan	997	997
Sec Fan	0	0
Nom Vent	38	38
AHU Vent	38	38
Infil	0	0
MinStop/Rh	0	0
Return	997	997
Exhaust	38	38
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	3.8	3.8
cfm/ft²	4.06	4.06
cfm/ton	742.34	
ft²/ton	182.86	
Btu/hr-ft²	65.63	-20.57
No. People	5	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	1.3	16.1	12.9	997	75.3	62.5	83.3	59.6	56.8	80.3
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.3	16.1								

AREAS

	Gross Total ft²	Glass ft²	Glass (%)
Floor	246		
Part	0		
Int Door	0		
ExFlr	0		
Roof	246	0	0
Wall	504	261	52
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-5.1	997	67.6	73.2
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-5.1			

Room Checksums

By Trane

PB Area 36 Acceso Veh imputados

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 17
Outside Air: OADB/WB/HR: 84 / 83 / 216

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	30,786	30,786	38
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	3,131	1,617	4,748	6
Partition/Door	492		492	1
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	3,624	32,403	36,027	45
Internal Loads				
Lights	12,399	0	12,399	15
People	13,500	0	13,500	17
Misc	0	0	0	0
Sub Total ==>	25,899	0	25,899	32
Ceiling Load	817	-817	0	0
Ventilation Load	0	0	19,289	24
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-291	-291	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	30,339	31,296	80,924	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 19
OADB: 76

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	3,744	15
Partition/Door	403	2
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	4,147	17
Internal Loads		
Lights	12,399	50
People	7,500	30
Misc	0	0
Sub Total ==>	19,899	80
Ceiling Load	825	3
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Dehumid. Ov Sizing		
Ov/Undr Sizing	0	0
Exhaust Heat		
Sup. Fan Heat		
Ret. Fan Heat		
Duct Heat Pkup		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	24,870	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	-14,357	90.64
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	-4,555	-6,978	44.06
Partition/Door	-1,956	-1,956	12.35
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-6,511	-23,291	147.05
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-567	0	0.00
Ventilation Load	0	-7,779	49.11
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		202	-1.27
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		15,029	-94.89
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-7,078	-15,838	100.00

TEMPERATURES

	Cooling	Heating
SADB	54.3	75.9
Ra Plenum	76.4	69.0
Return	76.4	69.0
Ret/OA	77.7	62.7
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	1,320	1,320
Terminal	1,320	1,320
Main Fan	1,320	1,320
Sec Fan	0	0
Nom Vent	225	225
AHU Vent	225	225
Infil	0	0
MinStop/Rh	0	0
Return	1,320	1,320
Exhaust	225	225
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	17.0	17.0
cfm/ft²	0.73	0.73
cfm/ton	195.76	
ft²/ton	269.35	
Btu/hr-ft²	44.55	-8.72
No. People	30	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	6.7	80.9	57.4	1,320	77.7	66.7	102.8	54.3	43.4	33.7
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	6.7	80.9								

AREAS

	Gross Total ft²	Glass ft²	Glass (%)
Floor	1,816		
Part	133		
Int Door	0		
ExFlr	0		
Roof	1,816	0	0
Wall	1,004	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-15.8	1,320	62.7	75.9
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-15.8			

Room Checksums

By Trane

PB Area 37 Comision Nal de Seguridad

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 15
Outside Air: OADB/WB/HR: 87 / 86 / 237

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	1,283	672	1,955	14
Partition/Door	220		220	2
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	1,503	672	2,175	16
Internal Loads				
Lights	1,744	0	1,744	13
People	2,250	0	2,250	17
Misc	3,584	0	3,584	27
Sub Total ==>	7,577	0	7,577	56
Ceiling Load	87	-87	0	0
Ventilation Load	0	0	3,785	28
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-37	-37	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	9,167	548	13,500	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 17
OADB: 84

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	1,342	16
Partition/Door	349	4
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	1,692	20
Internal Loads		
Lights	1,744	21
People	1,250	15
Misc	3,584	43
Sub Total ==>	6,577	78
Ceiling Load	115	1
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	8,384	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	-1,872	-2,868	56.70
Partition/Door	-1,388	-1,388	27.45
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-3,260	-4,256	84.15
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-80	0	0.00
Ventilation Load	0	-1,296	25.63
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		34	-0.66
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		461	-9.12
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-3,340	-5,058	100.00

TEMPERATURES

	Cooling	Heating
SADB	56.8	77.2
Ra Plenum	76.1	69.0
Return	76.1	69.0
Ret/OA	76.9	66.3
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	508	508
Terminal	508	508
Main Fan	508	508
Sec Fan	0	0
Nom Vent	38	38
AHU Vent	38	38
Infil	0	0
Min Stop/Rh	0	0
Return	508	508
Exhaust	38	38
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	7.4	7.4
cfm/ft²	1.99	1.99
cfm/ton	451.12	
ft²/ton	227.05	
Btu/hr-ft²	52.85	-19.80
No. People	5	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	1.1	13.5	9.1	508	76.9	64.4	91.0	56.8	55.1	76.7
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.1	13.5								

AREAS

	Gross Total ft²	Glass ft²	Glass (%)
Floor	255		
Part	94		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	413	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-5.1	508	66.3	77.2
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-5.1			

Room Checksums

By Trane

PB Area 38 Caseta

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 16
Outside Air: OADB/WB/HR: 86 / 85 / 231

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	1,102	1,102	14
Glass Solar	865	0	865	11
Glass/Door Cond	178	0	178	2
Wall Cond	104	156	259	3
Partition/Door	208		208	3
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	1,356	1,258	2,613	33
Internal Loads				
Lights	513	0	513	7
People	900	0	900	11
Misc	2,389	0	2,389	30
Sub Total ==>	3,802	0	3,802	48
Ceiling Load	30	-30	0	0
Ventilation Load	0	0	1,445	18
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-17	-17	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	5,188	1,210	7,843	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 17
OADB: 84

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	823	17
Glass/Door Cond	171	4
Wall Cond	122	3
Partition/Door	249	5
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	1,365	28
Internal Loads		
Lights	513	11
People	500	10
Misc	2,389	50
Sub Total ==>	3,402	71
Ceiling Load	34	1
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	4,801	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	-594	20.86
Glass Solar	0	0	0.00
Glass/Door Cond	-695	-695	24.41
Wall Cond	-268	-696	24.47
Partition/Door	-1,076	-1,076	37.83
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-2,039	-3,061	107.58
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-23	0	0.00
Ventilation Load	0	-519	18.23
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		13	-0.47
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		721	-25.33
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-2,062	-2,845	100.00

TEMPERATURES

	Cooling	Heating
SADB	58.0	77.3
Ra Plenum	76.3	69.0
Return	76.3	69.0
Ret/OA	76.7	67.2
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	310	310
Terminal	310	310
Main Fan	310	310
Sec Fan	0	0
Nom Vent	15	15
AHU Vent	15	15
Infil	0	0
Min Stop/Rh	0	0
Return	310	310
Exhaust	15	15
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	4.8	4.8
cfm/ft²	4.13	4.13
cfm/ton	474.68	
ft²/ton	114.92	
Btu/hr-ft²	104.42	-37.88
No. People	2	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	0.7	7.8	6.2	310	76.7	63.6	86.7	58.0	54.6	72.6
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.7	7.8								

AREAS

	Gross Total ft²	Glass ft²	Glass (%)
Floor	75		
Part	73		
Int Door	0		
ExFlr	0		
Roof	75	0	0
Wall	178	77	43
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-2.9	310	67.2	77.3
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-2.9			

Room Checksums

By Trane

N1 Area 01 Titular

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 4 / 18
Outside Air: OADB/WB/HR: 79 / 79 / 184

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	9,850	0	9,850	50
Glass/Door Cond	56	0	56	0
Wall Cond	339	534	872	4
Partition/Door	1,118		1,118	6
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	11,363	534	11,897	60
Internal Loads				
Lights	1,662	0	1,662	8
People	1,350	0	1,350	7
Misc	3,413	0	3,413	17
Sub Total ==>	6,425	0	6,425	33
Ceiling Load	32	-32	0	0
Ventilation Load	0	0	1,419	7
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-9	-9	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	17,820	493	19,732	100.00

CLG SPACE PEAK

Mo/Hr: 4 / 18
OADB: 79

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	9,850	57
Glass/Door Cond	56	0
Wall Cond	339	2
Partition/Door	1,118	6
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	11,363	66
Internal Loads		
Lights	1,662	10
People	750	4
Misc	3,413	20
Sub Total ==>	5,825	34
Ceiling Load	32	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Grand Total ==>	17,220	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	-348	-348	4.51
Wall Cond	-469	-1,208	15.67
Partition/Door	-5,345	-5,345	69.30
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-6,163	-6,901	89.48
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-48	0	0.00
Ventilation Load	0	-778	10.09
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		13	-0.17
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		-46	0.60
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-6,211	-7,712	100.00

TEMPERATURES

	Cooling	Heating
SADB	60.4	75.3
Ra Plenum	75.4	69.4
Return	75.4	69.4
Ret/OA	75.5	68.7
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	1,300	1,300
Terminal	1,300	1,300
Main Fan	1,300	1,300
Sec Fan	0	0
Nom Vent	23	23
AHU Vent	23	23
Infil	0	0
MinStop/Rh	0	0
Return	1,300	1,300
Exhaust	23	23
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	1.7	1.7
cfm/ft²	5.34	5.34
cfm/ton	790.85	
ft²/ton	148.08	
Btu/hr·ft²	81.04	-31.67
No. People	3	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	1.6	19.7	17.8	1,300	75.5	62.2	81.3	60.4	56.8	78.8
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.6	19.7								

AREAS

	Gross Total ft²	Glass ft²	Glass (%)
Floor	243		
Part	363		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	303	129	43
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-7.7	1,300	68.7	75.3
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-7.7			

Room Checksums

By Trane

N1 Area 02 Titular

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 4 / 18
Outside Air: OADB/WB/HR: 79 / 79 / 184

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	10,590	0	10,590	53
Glass/Door Cond	51	0	51	0
Wall Cond	72	499	571	3
Partition/Door	1,111		1,111	6
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	11,824	499	12,323	61
Internal Loads				
Lights	1,617	0	1,617	8
People	1,350	0	1,350	7
Misc	3,413	0	3,413	17
Sub Total ==>	6,380	0	6,380	32
Ceiling Load	31	-31	0	0
Ventilation Load	0	0	1,419	7
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-9	-9	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	18,235	459	20,113	100.00

CLG SPACE PEAK

Mo/Hr: 4 / 18
OADB: 79

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	10,590	60
Glass/Door Cond	51	0
Wall Cond	72	0
Partition/Door	1,111	6
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	11,824	67
Internal Loads		
Lights	1,617	9
People	750	4
Misc	3,413	19
Sub Total ==>	5,780	33
Ceiling Load	31	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Grand Total ==>	17,635	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	-348	-348	4.82
Wall Cond	-76	-604	8.36
Partition/Door	-5,232	-5,232	72.40
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-5,656	-6,184	85.58
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-47	0	0.00
Ventilation Load	0	-778	10.76
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		13	-0.18
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		-277	3.83
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-5,703	-7,226	100.00

TEMPERATURES

	Cooling	Heating
SADB	60.5	74.7
Ra Plenum	75.4	69.4
Return	75.4	69.4
Ret/OA	75.5	68.8
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	1,338	1,338
Terminal	1,338	1,338
Main Fan	1,338	1,338
Sec Fan	0	0
Nom Vent	23	23
AHU Vent	23	23
Infil	0	0
MinStop/Rh	0	0
Return	1,338	1,338
Exhaust	23	23
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	1.7	1.7
cfm/ft²	5.65	5.65
cfm/ton	798.16	
ft²/ton	141.30	
Btu/hr·ft²	84.93	-30.51
No. People	3	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	1.7	20.1	18.2	1,338	75.5	62.2	81.3	60.5	56.9	78.9
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.7	20.1								

AREAS

	Gross Total ft²	Glass ft²	Glass (%)
Floor	237		
Part	355		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	217	129	60
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-7.2	1,338	68.8	74.7
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-7.2			

Room Checksums

By Trane

N1 Area 03 Titular

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 4 / 18
Outside Air: OADB/WB/HR: 79 / 79 / 184

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	10,590	0	10,590	53
Glass/Door Cond	51	0	51	0
Wall Cond	72	499	571	3
Partition/Door	1,111		1,111	6
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	11,824	499	12,323	61
Internal Loads				
Lights	1,617	0	1,617	8
People	1,350	0	1,350	7
Misc	3,413	0	3,413	17
Sub Total ==>	6,380	0	6,380	32
Ceiling Load	31	-31	0	0
Ventilation Load	0	0	1,419	7
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-9	-9	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	18,235	459	20,113	100.00

CLG SPACE PEAK

Mo/Hr: 4 / 18
OADB: 79

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	10,590	60
Glass/Door Cond	51	0
Wall Cond	72	0
Partition/Door	1,111	6
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	11,824	67
Internal Loads		
Lights	1,617	9
People	750	4
Misc	3,413	19
Sub Total ==>	5,780	33
Ceiling Load	31	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing		0
Exhaust Heat	0	0
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	17,635	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	-348	-348	4.82
Wall Cond	-76	-604	8.36
Partition/Door	-5,232	-5,232	72.40
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-5,656	-6,184	85.58
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-47	0	0.00
Ventilation Load	0	-778	10.76
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		13	-0.18
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		-277	3.83
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-5,703	-7,226	100.00

TEMPERATURES

	Cooling	Heating
SADB	60.5	74.7
Ra Plenum	75.4	69.4
Return	75.4	69.4
Ret/OA	75.5	68.8
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	1,338	1,338
Terminal	1,338	1,338
Main Fan	1,338	1,338
Sec Fan	0	0
Nom Vent	23	23
AHU Vent	23	23
Infil	0	0
MinStop/Rh	0	0
Return	1,338	1,338
Exhaust	23	23
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	1.7	1.7
cfm/ft²	5.65	5.65
cfm/ton	798.16	
ft²/ton	141.30	
Btu/hr-ft²	84.93	-30.51
No. People	3	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter gr/lb	Leave DB °F	Leave WB °F	Leave gr/lb
Main Clg	1.7	20.1	18.2	1,338	75.5	62.2	81.3	60.5	56.9	78.9
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.7	20.1								

AREAS

	Gross Total ft²	Glass ft²	Glass (%)
Floor	237		
Part	355		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	217	129	60
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-7.2	1,338	68.8	74.7
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-7.2			

Room Checksums

By Trane

N1 Area 04 Titular

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 4 / 18
Outside Air: OADB/WB/HR: 79 / 79 / 184

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	10,590	0	10,590	53
Glass/Door Cond	51	0	51	0
Wall Cond	72	499	571	3
Partition/Door	1,111		1,111	6
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	11,824	499	12,323	61
Internal Loads				
Lights	1,617	0	1,617	8
People	1,350	0	1,350	7
Misc	3,413	0	3,413	17
Sub Total ==>	6,380	0	6,380	32
Ceiling Load	31	-31	0	0
Ventilation Load	0	0	1,419	7
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-9	-9	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	18,235	459	20,113	100.00

CLG SPACE PEAK

Mo/Hr: 4 / 18
OADB: 79

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	10,590	60
Glass/Door Cond	51	0
Wall Cond	72	0
Partition/Door	1,111	6
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	11,824	67
Internal Loads		
Lights	1,617	9
People	750	4
Misc	3,413	19
Sub Total ==>	5,780	33
Ceiling Load	31	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing		0
Exhaust Heat	0	0
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	17,635	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	-348	-348	4.82
Wall Cond	-76	-604	8.36
Partition/Door	-5,232	-5,232	72.40
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-5,656	-6,184	85.58
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-47	0	0.00
Ventilation Load	0	-778	10.76
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		13	-0.18
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		-277	3.83
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-5,703	-7,226	100.00

TEMPERATURES

	Cooling	Heating
SADB	60.5	74.7
Ra Plenum	75.4	69.4
Return	75.4	69.4
Ret/OA	75.5	68.8
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	1,338	1,338
Terminal	1,338	1,338
Main Fan	1,338	1,338
Sec Fan	0	0
Nom Vent	23	23
AHU Vent	23	23
Infil	0	0
MinStop/Rh	0	0
Return	1,338	1,338
Exhaust	23	23
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	1.7	1.7
cfm/ft²	5.65	5.65
cfm/ton	798.16	
ft²/ton	141.30	
Btu/hr-ft²	84.93	-30.51
No. People	3	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter gr/lb	Leave DB °F	Leave WB °F	Leave gr/lb
Main Clg	1.7	20.1	18.2	1,338	75.5	62.2	81.3	60.5	56.9	78.9
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.7	20.1								

AREAS

	Gross Total ft²	Glass ft²	Glass (%)
Floor	237		
Part	355		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	217	129	60
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-7.2	1,338	68.8	74.7
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-7.2			

Room Checksums

By Trane

N1 Area 05 Titular

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 4 / 18
Outside Air: OADB/WB/HR: 79 / 79 / 184

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	10,649	0	10,649	53
Glass/Door Cond	51	0	51	0
Wall Cond	67	499	566	3
Partition/Door	1,111		1,111	6
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	11,879	499	12,378	61
Internal Loads				
Lights	1,617	0	1,617	8
People	1,350	0	1,350	7
Misc	3,413	0	3,413	17
Sub Total ==>	6,380	0	6,380	32
Ceiling Load	31	-31	0	0
Ventilation Load	0	0	1,419	7
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-9	-9	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	18,290	459	20,168	100.00

CLG SPACE PEAK

Mo/Hr: 4 / 18
OADB: 79

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	10,649	60
Glass/Door Cond	51	0
Wall Cond	67	0
Partition/Door	1,111	6
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	11,879	67
Internal Loads		
Lights	1,617	9
People	750	4
Misc	3,413	19
Sub Total ==>	5,780	33
Ceiling Load	31	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	17,690	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	-350	-350	4.85
Wall Cond	-71	-599	8.29
Partition/Door	-5,232	-5,232	72.40
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-5,653	-6,181	85.54
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-47	0	0.00
Ventilation Load	0	-778	10.77
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		13	-0.18
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		-279	3.87
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-5,700	-7,225	100.00

TEMPERATURES

	Cooling	Heating
SADB	60.5	74.7
Ra Plenum	75.4	69.4
Return	75.4	69.4
Ret/OA	75.5	68.8
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	1,342	1,342
Terminal	1,342	1,342
Main Fan	1,342	1,342
Sec Fan	0	0
Nom Vent	23	23
AHU Vent	23	23
Infil	0	0
MinStop/Rh	0	0
Return	1,342	1,342
Exhaust	23	23
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	1.7	1.7
cfm/ft²	5.67	5.67
cfm/ton	798.76	
ft²/ton	140.91	
Btu/hr·ft²	85.16	-30.51
No. People	3	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	1.7	20.2	18.2	1,342	75.5	62.2	81.3	60.5	56.9	78.9
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.7	20.2								

AREAS

	Gross Total ft²	Glass ft²	Glass (%)
Floor	237		
Part	355		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	217	130	60
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-7.2	1,342	68.8	74.7
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-7.2			

Room Checksums

By Trane

N1 Area 06 Cafe

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 17
Outside Air: OADB/WB/HR: 84 / 83 / 216

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	4,599	0	4,599	33
Glass/Door Cond	44	0	44	0
Wall Cond	26	180	206	1
Partition/Door	527		527	4
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	5,196	180	5,376	38
Internal Loads				
Lights	917	0	917	7
People	1,800	0	1,800	13
Misc	3,413	0	3,413	24
Sub Total ==>	6,130	0	6,130	44
Ceiling Load	16	-16	0	0
Ventilation Load	0	0	2,573	18
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-10	-10	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	11,343	153	14,069	100.00

CLG SPACE PEAK

Mo/Hr: 4 / 18
OADB: 79

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	5,292	48
Glass/Door Cond	26	0
Wall Cond	36	0
Partition/Door	421	4
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	5,774	52
Internal Loads		
Lights	917	8
People	1,000	9
Misc	3,413	31
Sub Total ==>	5,330	48
Ceiling Load	18	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	11,122	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	-174	-174	4.74
Wall Cond	-38	-302	8.23
Partition/Door	-1,981	-1,981	54.02
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-2,193	-2,457	66.99
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-27	0	0.00
Ventilation Load	0	-1,037	28.28
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		17	-0.46
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		-191	5.20
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-2,220	-3,668	100.00

TEMPERATURES

	Cooling	Heating
SADB	58.8	73.2
Ra Plenum	75.4	69.4
Return	75.4	69.4
Ret/OA	75.7	67.9
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	755	755
Terminal	755	755
Main Fan	755	755
Sec Fan	0	0
Nom Vent	30	30
AHU Vent	30	30
Infil	0	0
MinStop/Rh	0	0
Return	755	755
Exhaust	30	30
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	4.0	4.0
cfm/ft²	5.62	5.62
cfm/ton	644.12	
ft²/ton	114.63	
Btu/hr·ft²	104.68	-27.29
No. People	4	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	1.2	14.1	10.9	755	75.7	62.9	84.9	58.8	56.4	79.4
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.2	14.1								

AREAS

	Gross Total ft²	Glass ft²	Glass (%)
Floor	134		
Part	134		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	108	65	60
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-3.7	755	67.9	73.2
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-3.7			

Room Checksums

By Trane

N1 Area 07 Papeleria

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 4 / 18
Outside Air: OADB/WB/HR: 79 / 79 / 184

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	5,292	0	5,292	58
Glass/Door Cond	26	0	26	0
Wall Cond	36	249	285	3
Partition/Door	421		421	5
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	5,774	249	6,023	67
Internal Loads				
Lights	917	0	917	10
People	450	0	450	5
Misc	1,195	0	1,195	13
Sub Total ==>	2,562	0	2,562	28
Ceiling Load	18	-18	0	0
Ventilation Load	0	0	473	5
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-3	-3	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	8,354	229	9,055	100.00

CLG SPACE PEAK

Mo/Hr: 4 / 18
OADB: 79

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	5,292	65
Glass/Door Cond	26	0
Wall Cond	36	0
Partition/Door	421	5
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	5,774	71
Internal Loads		
Lights	917	11
People	250	3
Misc	1,195	15
Sub Total ==>	2,362	29
Ceiling Load	18	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing		0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	8,154	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	-174	-174	6.13
Wall Cond	-38	-302	10.64
Partition/Door	-1,981	-1,981	69.78
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-2,193	-2,457	86.54
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-27	0	0.00
Ventilation Load	0	-259	9.13
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		4	-0.15
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		-127	4.48
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-2,220	-2,839	100.00

TEMPERATURES

	Cooling	Heating
SADB	61.1	73.8
Ra Plenum	75.4	69.4
Return	75.4	69.4
Ret/OA	75.5	68.9
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	643	643
Terminal	643	643
Main Fan	643	643
Sec Fan	0	0
Nom Vent	8	8
AHU Vent	8	8
Infil	0	0
Min Stop/Rh	0	0
Return	643	643
Exhaust	8	8
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	1.2	1.2
cfm/ft²	4.79	4.79
cfm/ton	852.23	
ft²/ton	178.09	
Btu/hr-ft²	67.38	-21.13
No. People	1	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	0.8	9.1	8.4	643	75.5	62.1	80.7	61.1	57.1	79.1
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.8	9.1								

AREAS

	Gross Total ft²	Glass ft²	Glass (%)
Floor	134		
Part	134		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	108	65	60
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-2.8	643	68.9	73.8
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-2.8			

Room Checksums

By Trane

N1 Area 08 Secretaria y oficiales

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 11 / 14
Outside Air: OADB/WB/HR: 75 / 75 / 164

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	12,439	0	12,439	34
Glass/Door Cond	-25	0	-25	0
Wall Cond	483	942	1,425	4
Partition/Door	-1,296		-1,296	-4
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	11,602	942	12,544	34
Internal Loads				
Lights	3,697	0	3,697	10
People	5,400	0	5,400	15
Misc	10,580	0	10,580	29
Sub Total ==>	19,677	0	19,677	54
Ceiling Load	10	-10	0	0
Ventilation Load	0	0	4,401	12
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-5	-5	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	31,288	928	36,617	100.00

CLG SPACE PEAK

Mo/Hr: 12 / 14
OADB: 73

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	13,349	46
Glass/Door Cond	-84	0
Wall Cond	403	1
Partition/Door	-1,901	-7
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	11,767	41
Internal Loads		
Lights	3,697	13
People	3,000	10
Misc	10,580	36
Sub Total ==>	17,277	59
Ceiling Load	-2	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	29,042	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	-783	-783	5.66
Wall Cond	-790	-2,310	16.68
Partition/Door	-7,984	-7,984	57.64
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-9,557	-11,077	79.97
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-107	0	0.00
Ventilation Load	0	-3,111	22.46
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		51	-0.37
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		286	-2.07
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-9,664	-13,851	100.00

TEMPERATURES

	Cooling	Heating
SADB	59.0	75.3
Ra Plenum	75.1	69.4
Return	75.1	69.4
Ret/OA	75.1	67.7
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	1,989	1,989
Terminal	1,989	1,989
Main Fan	1,989	1,989
Sec Fan	0	0
Nom Vent	90	90
AHU Vent	90	90
Infil	0	0
Min Stop/Rh	0	0
Return	1,989	1,989
Exhaust	90	90
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	4.5	4.5
cfm/ft²	3.67	3.67
cfm/ton	651.69	
ft²/ton	177.48	
Btu/hr-ft²	67.61	-25.58
No. People	12	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	3.1	36.6	29.9	1,989	75.1	62.4	83.4	59.0	55.9	77.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	3.1	36.6								

AREAS

	Gross Total ft²	Glass ft²	Glass (%)
Floor	542		
Part	542		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	624	291	47
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-13.9	1,989	67.7	75.3
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-13.9			

Room Checksums

By Trane

N1 Area 09 Circulacion Titulares

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 16
Outside Air: OADB/WB/HR: 86 / 85 / 231

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	6,168		6,168	11
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	6,168	0	6,168	11
Internal Loads				
Lights	14,297	0	14,297	25
People	9,000	0	9,000	16
Misc	13,652	0	13,652	24
Sub Total ==>	36,949	0	36,949	64
Ceiling Load	210	-210	0	0
Ventilation Load	0	0	14,434	25
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-43	-43	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	43,327	-254	57,508	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 17
OADB: 84

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	6,653	17
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	6,653	17
Internal Loads		
Lights	14,297	36
People	5,000	13
Misc	13,652	34
Sub Total ==>	32,949	83
Ceiling Load	254	1
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Dehumid. Ov Sizing		
Ov/Undr Sizing	0	0
Exhaust Heat		
Sup. Fan Heat		
Ret. Fan Heat		
Duct Heat Pkup		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	39,856	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-25,006	-25,006	78.31
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-25,006	-25,006	78.31
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-413	0	0.00
Ventilation Load	0	-5,186	16.24
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		85	-0.27
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		-1,826	5.72
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-25,419	-31,932	100.00

TEMPERATURES

	Cooling	Heating
SADB	57.4	81.2
Ra Plenum	75.3	69.4
Return	75.3	69.4
Ret/OA	76.0	67.1
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	2,493	2,493
Terminal	2,493	2,493
Main Fan	2,493	2,493
Sec Fan	0	0
Nom Vent	150	150
AHU Vent	150	150
Infil	0	0
MinStop/Rh	0	0
Return	2,493	2,493
Exhaust	150	150
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	6.0	6.0
cfm/ft²	1.19	1.19
cfm/ton	520.28	
ft²/ton	437.04	
Btu/hr·ft²	27.46	-15.25
No. People	20	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	4.8	57.5	40.6	2,493	76.0	63.7	88.6	57.4	55.6	78.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	4.8	57.5								

AREAS

	Gross Total ft²	Glass ft²	Glass (%)
Floor	2,094		
Part	1,696		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-31.9	2,493	67.1	81.2
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-31.9			

Room Checksums

By Trane

N1 Area 10 Cafe

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 15
Outside Air: OADB/WB/HR: 87 / 86 / 237

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	331		331	4
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	331	0	331	4
Internal Loads				
Lights	805	0	805	9
People	1,800	0	1,800	19
Misc	3,413	0	3,413	36
Sub Total ==>	6,018	0	6,018	64
Ceiling Load	9	-9	0	0
Ventilation Load	0	0	3,026	32
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-7	-7	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	6,358	-16	9,368	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 17
OADB: 84

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	463	8
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	463	8
Internal Loads		
Lights	805	14
People	1,000	18
Misc	3,413	60
Sub Total ==>	5,218	92
Ceiling Load	14	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Dehumid. Ov Sizing		
Ov/Undr Sizing	0	0
Exhaust Heat		
Sup. Fan Heat		
Ret. Fan Heat		
Duct Heat Pkup		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	5,695	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-1,739	-1,739	58.52
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-1,739	-1,739	58.52
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-23	0	0.00
Ventilation Load	0	-1,037	34.91
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		17	-0.57
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		-212	7.14
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-1,762	-2,971	100.00

TEMPERATURES

	Cooling	Heating
SADB	56.2	75.8
Ra Plenum	75.3	69.4
Return	75.3	69.4
Ret/OA	76.3	66.0
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	333	333
Terminal	333	333
Main Fan	333	333
Sec Fan	0	0
Nom Vent	30	30
AHU Vent	30	30
Infil	0	0
MinStop/Rh	0	0
Return	333	333
Exhaust	30	30
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	9.0	9.0
cfm/ft²	2.83	2.83
cfm/ton	427.20	
ft²/ton	151.07	
Btu/hr·ft²	79.43	-25.19
No. People	4	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	0.8	9.4	5.9	333	76.3	64.7	93.7	56.2	54.9	76.9
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.8	9.4								

AREAS

	Gross Total ft²	Glass ft²	Glass (%)
Floor	118		
Part	118		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-3.0	333	66.0	75.8
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-3.0			

Room Checksums

By Trane

N1 Area 11 Papeleria

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 16
Outside Air: OADB/WB/HR: 86 / 85 / 231

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	356		356	10
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	356	0	356	10
Internal Loads				
Lights	668	0	668	20
People	450	0	450	13
Misc	1,195	0	1,195	35
Sub Total ==>	2,312	0	2,312	68
Ceiling Load	10	-10	0	0
Ventilation Load	0	0	722	21
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-2	-2	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	2,678	-12	3,387	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 17
OADB: 84

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	384	15
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	384	15
Internal Loads		
Lights	668	27
People	250	10
Misc	1,195	48
Sub Total ==>	2,112	84
Ceiling Load	12	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		0
OA Preheat Diff.		0
RA Preheat Diff.		0
Additional Reheat		0
System Plenum Heat		0
Underflr Sup Ht Pkup		0
Supply Air Leakage		0
Grand Total ==>	2,508	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-1,442	-1,442	79.72
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-1,442	-1,442	79.72
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-19	0	0.00
Ventilation Load	0	-259	14.33
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		4	-0.23
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		-112	6.18
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-1,461	-1,809	100.00

TEMPERATURES

	Cooling	Heating
SADB	58.1	79.8
Ra Plenum	75.3	69.4
Return	75.3	69.4
Ret/OA	75.8	67.7
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	163	163
Terminal	163	163
Main Fan	163	163
Sec Fan	0	0
Nom Vent	8	8
AHU Vent	8	8
Infil	0	0
MinStop/Rh	0	0
Return	163	163
Exhaust	8	8
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	4.6	4.6
cfm/ft²	1.67	1.67
cfm/ton	578.27	
ft²/ton	346.49	
Btu/hr·ft²	34.63	-18.49
No. People	1	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR °F	Enter DB/WB/HR °F	Enter DB/WB/HR gr/lb	Leave DB/WB/HR °F	Leave DB/WB/HR °F	Leave DB/WB/HR gr/lb
Main Clg	0.3	3.4	2.5	163	75.8	63.2	86.5	58.1	56.0	78.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.3	3.4								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	98		
Part	98		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-1.8	163	67.7	79.8
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-1.8			

Room Checksums

By Trane

N1 Area 12 Papeleria

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 16
Outside Air: OADB/WB/HR: 86 / 85 / 231

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	609		609	15
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	609	0	609	15
Internal Loads				
Lights	1,144	0	1,144	28
People	450	0	450	11
Misc	1,195	0	1,195	29
Sub Total ==>	2,788	0	2,788	68
Ceiling Load	17	-17	0	0
Ventilation Load	0	0	722	18
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-2	-2	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	3,414	-19	4,117	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 17
OADB: 84

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	657	20
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	657	20
Internal Loads		
Lights	1,144	35
People	250	8
Misc	1,195	37
Sub Total ==>	2,588	79
Ceiling Load	20	1
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		0
OA Preheat Diff.		0
RA Preheat Diff.		0
Additional Reheat		0
System Plenum Heat		0
Underflr Sup Ht Pkup		0
Supply Air Leakage		0
Grand Total ==>	3,266	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-2,470	-2,470	85.64
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-2,470	-2,470	85.64
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-33	0	0.00
Ventilation Load	0	-259	8.99
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		4	-0.15
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		-159	5.52
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-2,503	-2,884	100.00

TEMPERATURES

	Cooling	Heating
SADB	58.9	82.4
Ra Plenum	75.3	69.4
Return	75.3	69.4
Ret/OA	75.7	68.1
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	222	222
Terminal	222	222
Main Fan	222	222
Sec Fan	0	0
Nom Vent	8	8
AHU Vent	8	8
Infil	0	0
MinStop/Rh	0	0
Return	222	222
Exhaust	8	8
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	3.4	3.4
cfm/ft²	1.33	1.33
cfm/ton	648.26	
ft²/ton	488.33	
Btu/hr·ft²	24.57	-17.21
No. People	1	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR °F	Enter DB/WB/HR °F	Enter DB/WB/HR gr/lb	Leave DB/WB/HR °F	Leave DB/WB/HR °F	Leave DB/WB/HR gr/lb
Main Clg	0.3	4.1	3.3	222	75.7	62.9	84.6	58.9	56.4	79.1
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.3	4.1								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	168		
Part	168		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-2.9	222	68.1	82.4
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-2.9			

Room Checksums

By Trane

N1 Area 13 Circulacion Juzgado Ejecucion

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 4 / 10
Outside Air: OADB/WB/HR: 68 / 68 / 125

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	20,688	0	20,688	74
Glass/Door Cond	-185	0	-185	-1
Wall Cond	-24	-160	-183	-1
Partition/Door	-2,621		-2,621	-9
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	17,858	-160	17,698	63
Internal Loads				
Lights	3,030	0	3,030	11
People	2,250	0	2,250	8
Misc	4,266	0	4,266	15
Sub Total ==>	9,546	0	9,546	34
Ceiling Load	-30	30	0	0
Ventilation Load	0	0	734	3
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		7	7	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	27,374	-122	27,986	100.00

CLG SPACE PEAK

Mo/Hr: 4 / 10
OADB: 68

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	20,688	78
Glass/Door Cond	-185	-1
Wall Cond	-24	0
Partition/Door	-2,621	-10
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	17,858	68
Internal Loads		
Lights	3,030	11
People	1,250	5
Misc	4,266	16
Sub Total ==>	8,546	32
Ceiling Load	-30	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing		
Exhaust Heat	0	0
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	26,374	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	-696	-696	7.01
Wall Cond	-153	-1,209	12.17
Partition/Door	-6,543	-6,543	65.91
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-7,393	-8,448	85.09
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-88	0	0.00
Ventilation Load	0	-1,296	13.06
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		21	-0.21
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		-205	2.06
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-7,480	-9,928	100.00

TEMPERATURES

	Cooling	Heating
SADB	61.0	74.0
Ra Plenum	74.8	69.4
Return	74.8	69.4
Ret/OA	74.7	68.7
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	2,071	2,071
Terminal	2,071	2,071
Main Fan	2,071	2,071
Sec Fan	0	0
Nom Vent	38	38
AHU Vent	38	38
Infil	0	0
MinStop/Rh	0	0
Return	2,071	2,071
Exhaust	38	38
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	1.8	1.8
cfm/ft²	4.66	4.66
cfm/ton	887.81	
ft²/ton	190.32	
Btu/hr·ft²	63.05	-22.37
No. People	5	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR °F	°F	gr/lb	Leave DB/WB/HR °F	°F	gr/lb
Main Clg	2.3	28.0	26.0	2,071	74.7	61.8	80.4	61.0	57.0	78.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	2.3	28.0								

AREAS

	Gross Total ft²	Glass ft²	Glass (%)
Floor	444		
Part	444		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	433	258	60
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-9.9	2,071	68.7	74.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-9.9			

Room Checksums

By Trane

N1 Area 14 Testigos de cargo

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 15
Outside Air: OADB/WB/HR: 87 / 86 / 237

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	286		286	6
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	286	0	286	6
Internal Loads				
Lights	696	0	696	15
People	1,350	0	1,350	29
Misc	0	0	0	0
Sub Total ==>	2,046	0	2,046	45
Ceiling Load	8	-8	0	0
Ventilation Load	0	0	2,269	49
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-5	-5	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	2,340	-13	4,595	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 17
OADB: 84

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	400	22
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	400	22
Internal Loads		
Lights	696	37
People	750	40
Misc	0	0
Sub Total ==>	1,446	78
Ceiling Load	12	1
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing		
Exhaust Heat	0	0
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	1,858	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-1,502	-1,502	64.31
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-1,502	-1,502	64.31
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-20	0	0.00
Ventilation Load	0	-778	33.30
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		13	-0.55
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		-69	2.94
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-1,522	-2,336	100.00

TEMPERATURES

	Cooling	Heating
SADB	51.1	89.6
Ra Plenum	75.3	69.4
Return	75.3	69.4
Ret/OA	78.3	59.5
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	86	86
Terminal	86	86
Main Fan	86	86
Sec Fan	0	0
Nom Vent	23	23
AHU Vent	23	23
Infil	0	0
MinStop/Rh	0	0
Return	86	86
Exhaust	23	23
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	26.3	26.3
cfm/ft²	0.84	0.84
cfm/ton	223.32	
ft²/ton	266.08	
Btu/hr·ft²	45.10	-22.92
No. People	3	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB/WB/HR °F	°F	gr/lb	Leave DB/WB/HR °F	°F	gr/lb
Main Clg	0.4	4.6	2.0	86	78.3	69.8	121.0	51.1	51.1	68.2
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.4	4.6								

AREAS

	Gross Total ft²	Glass ft²	Glass (%)
Floor	102		
Part	102		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-2.3	86	59.5	89.6
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-2.3			

Room Checksums

By Trane

N1 Area 15 Testigos de descargo

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 15
Outside Air: OADB/WB/HR: 87 / 86 / 237

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	286		286	6
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	286	0	286	6
Internal Loads				
Lights	696	0	696	15
People	1,350	0	1,350	29
Misc	0	0	0	0
Sub Total ==>	2,046	0	2,046	45
Ceiling Load	8	-8	0	0
Ventilation Load	0	0	2,269	49
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-5	-5	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	2,340	-13	4,595	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 17
OADB: 84

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	400	22
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	400	22
Internal Loads		
Lights	696	37
People	750	40
Misc	0	0
Sub Total ==>	1,446	78
Ceiling Load	12	1
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	1,858	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-1,502	-1,502	64.31
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-1,502	-1,502	64.31
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-20	0	0.00
Ventilation Load	0	-778	33.30
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		13	-0.55
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		-69	2.94
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-1,522	-2,336	100.00

TEMPERATURES

	Cooling	Heating
SADB	51.1	89.6
Ra Plenum	75.3	69.4
Return	75.3	69.4
Ret/OA	78.3	59.5
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	86	86
Terminal	86	86
Main Fan	86	86
Sec Fan	0	0
Nom Vent	23	23
AHU Vent	23	23
Infil	0	0
Min Stop/Rh	0	0
Return	86	86
Exhaust	23	23
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	26.3	26.3
cfm/ft²	0.84	0.84
cfm/ton	223.32	
ft²/ton	266.08	
Btu/hr·ft²	45.10	-22.92
No. People	3	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	0.4	4.6	2.0	86	78.3	69.8	121.0	51.1	51.1	68.2
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.4	4.6								

AREAS

	Gross Total ft²	Glass ft²	Glass (%)
Floor	102		
Part	102		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-2.3	86	59.5	89.6
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-2.3			

Room Checksums

By Trane

N1 Area 16 Bodega

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 11 / 18
Outside Air: OADB/WB/HR: 70 / 70 / 138

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	938	509	1,446	39
Partition/Door	-92		-92	-2
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	846	509	1,354	37
Internal Loads				
Lights	481	0	481	13
People	450	0	450	12
Misc	1,195	0	1,195	32
Sub Total ==>	2,126	0	2,126	58
Ceiling Load	7	-7	0	0
Ventilation Load	0	0	217	6
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-2	-2	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	2,978	499	3,694	100.00

CLG SPACE PEAK

Mo/Hr: 11 / 18
OADB: 70

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	938	34
Partition/Door	-92	-3
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	846	30
Internal Loads		
Lights	481	17
People	250	9
Misc	1,195	43
Sub Total ==>	1,926	69
Ceiling Load	7	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	2,778	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	-755	-1,161	40.17
Partition/Door	-1,753	-1,753	60.69
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-2,508	-2,914	100.87
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-14	0	0.00
Ventilation Load	0	-259	8.98
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		4	-0.15
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		280	-9.70
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-2,522	-2,889	100.00

TEMPERATURES

	Cooling	Heating
SADB	59.5	84.1
Ra Plenum	75.3	69.4
Return	75.3	69.4
Ret/OA	75.1	68.0
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	197	197
Terminal	197	197
Main Fan	197	197
Sec Fan	0	0
Nom Vent	8	8
AHU Vent	8	8
Infil	0	0
Min Stop/Rh	0	0
Return	197	197
Exhaust	8	8
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	3.8	3.8
cfm/ft²	2.79	2.79
cfm/ton	639.57	
ft²/ton	228.93	
Btu/hr·ft²	52.42	-40.99
No. People	1	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	0.3	3.7	3.3	197	75.1	62.2	81.7	59.5	55.5	74.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.3	3.7								

AREAS

	Gross Total ft²	Glass ft²	Glass (%)
Floor	70		
Part	119		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	166	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-2.9	197	68.0	84.1
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-2.9			

Room Checksums

By Trane

N1 Area 17 Vestibulo acceso funcionarios

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			
Peaked at Time:		Mo/Hr: 5 / 16			Mo/Hr: 5 / 17			Mo/Hr: Heating Design			
Outside Air:		OADB/WB/HR: 86 / 85 / 231			OADB: 84			OADB: 32			
	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)	Space Sensible Btu/h	Percent Of Total (%)		Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads							**Envelope Loads**			
Skylite Solar	0	0	0	0	0	0	Skylite Solar	0	0	0.00
Skylite Cond	0	0	0	0	0	0	Skylite Cond	0	0	0.00
Roof Cond	0	0	0	0	0	0	Roof Cond	0	0	0.00
Glass Solar	650	0	650	5	572	7	Glass Solar	0	0	0.00
Glass/Door Cond	333	0	333	2	294	3	Glass/Door Cond	-1,169	-1,169	7.43
Wall Cond	72	502	574	4	67	1	Wall Cond	-76	-604	3.84
Partition/Door	3,164		3,164	23	3,413	39	Partition/Door	-12,826	-12,826	81.50
Floor	0		0	0	0	0	Floor	0	0	0.00
Adjacent Floor	0	0	0	0	0	0	Adjacent Floor	0	0	0.00
Infiltration	0		0	0	0	0	Infiltration	0	0	0.00
Sub Total ==>	4,219	502	4,721	35	4,346	50	*Sub Total ==>*	-14,071	-14,599	92.77
Internal Loads							**Internal Loads**			
Lights	3,076	0	3,076	23	3,076	35	Lights	0	0	0.00
People	2,250	0	2,250	16	1,250	14	People	0	0	0.00
Misc	0	0	0	0	0	0	Misc	0	0	0.00
Sub Total ==>	5,326	0	5,326	39	4,326	50	*Sub Total ==>*	0	0	0.00
Ceiling Load	45	-45	0	0	55	1	**Ceiling Load**	-89	0	0.00
Ventilation Load	0	0	3,609	26	0	0	**Ventilation Load**	0	-1,296	8.24
Adj Air Trans Heat	0		0	0	0	0	**Adj Air Trans Heat**	0	0	0
Dehumid. Ov Sizing			0	0			**Ov/Undr Sizing**	0	0	0.00
Ov/Undr Sizing	0		0	0	0	0	**Exhaust Heat**		21	-0.14
Exhaust Heat		-11	-11	0			**OA Preheat Diff.**		0	0.00
Sup. Fan Heat			0	0			**RA Preheat Diff.**		0	0.00
Ret. Fan Heat		0	0	0			**Additional Reheat**		0	0.00
Duct Heat Pkup		0	0	0			**System Plenum Heat**		137	-0.87
Underflr Sup Ht Pkup			0	0			**Underflr Sup Ht Pkup**		0	0.00
Supply Air Leakage		0	0	0			**Supply Air Leakage**		0	0.00
Grand Total ==>	9,590	446	13,645	100.00	8,727	100.00	***Grand Total ==>***	-14,160	-15,737	100.00

TEMPERATURES

	Cooling	Heating
SADB	57.0	99.2
Ra Plenum	75.3	69.4
Return	75.3	69.4
Ret/OA	76.1	66.7
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	532	532
Terminal	532	532
Main Fan	532	532
Sec Fan	0	0
Nom Vent	38	38
AHU Vent	38	38
Infil	0	0
Min Stop/Rh	0	0
Return	532	532
Exhaust	38	38
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	7.0	7.0
cfm/ft²	1.18	1.18
cfm/ton	468.14	
ft²/ton	396.30	
Btu/hr·ft²	30.28	-34.92
No. People	5	

COOLING COIL SELECTION

	Total Capacity ton	MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	WB °F	HR gr/lb	Leave DB °F	WB °F	HR gr/lb
Main Clg	1.1	13.7	9.4	532	76.1	64.0	90.2	57.0	55.0	76.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.1	13.7								

AREAS

	Gross Total ft²	Glass ft²	(%)
Floor	451		
Part	870		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	217	129	60
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-15.7	532	66.7	99.2
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-15.7			

Room Checksums

By Trane

N1 Area 18 Archivo

COOLING COIL PEAK					CLG SPACE PEAK			HEATING COIL PEAK			
Peaked at Time:		Mo/Hr: 5 / 18			Mo/Hr: 5 / 18			Mo/Hr: Heating Design			
Outside Air:		OADB/WB/HR: 80 / 80 / 194			OADB: 80			OADB: 32			
	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)	Space Sensible Btu/h	Percent Of Total (%)		Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads							**Envelope Loads**			
Skylite Solar	0	0	0	0	0	0	Skylite Solar	0	0	0.00
Skylite Cond	0	0	0	0	0	0	Skylite Cond	0	0	0.00
Roof Cond	0	0	0	0	0	0	Roof Cond	0	0	0.00
Glass Solar	0	0	0	0	0	0	Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0	0	0	0	Glass/Door Cond	0	0	0.00
Wall Cond	1,154	623	1,777	19	1,154	15	Wall Cond	-1,184	-1,820	17.32
Partition/Door	2,147		2,147	23	2,147	27	Partition/Door	-8,631	-8,631	82.12
Floor	0		0	0	0	0	Floor	0	0	0.00
Adjacent Floor	0	0	0	0	0	0	Adjacent Floor	0	0	0.00
Infiltration	0		0	0	0	0	Infiltration	0	0	0.00
Sub Total ==>	3,301	623	3,924	43	3,301	42	*Sub Total ==>*	-9,815	-10,451	99.44
Internal Loads							**Internal Loads**			
Lights	3,111	0	3,111	34	3,111	39	Lights	0	0	0.00
People	450	0	450	5	250	3	People	0	0	0.00
Misc	1,195	0	1,195	13	1,195	15	Misc	0	0	0.00
Sub Total ==>	4,755	0	4,755	52	4,555	58	*Sub Total ==>*	0	0	0.00
Ceiling Load	65	-65	0	0	65	1	**Ceiling Load**	-90	0	0.00
Ventilation Load	0	0	526	6	0	0	**Ventilation Load**	0	-259	2.47
Adj Air Trans Heat	0		0	0	0	0	**Adj Air Trans Heat**	0	0	0
Dehumid. Ov Sizing			0	0			**Ov/Undr Sizing**	0	0	0.00
Ov/Undr Sizing	0		0	0	0	0	**Exhaust Heat**		4	-0.04
Exhaust Heat		-3	-3	0			**OA Preheat Diff.**		0	0.00
Sup. Fan Heat			0	0			**RA Preheat Diff.**		0	0.00
Ret. Fan Heat		0	0	0			**Additional Reheat**		0	0.00
Duct Heat Pkup		0	0	0			**System Plenum Heat**		196	-1.86
Underflr Sup Ht Pkup			0	0			**Underflr Sup Ht Pkup**		0	0.00
Supply Air Leakage		0	0	0			**Supply Air Leakage**		0	0.00
Grand Total ==>	8,121	555	9,202	100.00	7,921	100.00	***Grand Total ==>***	-9,905	-10,510	100.00

TEMPERATURES

	Cooling	Heating
SADB	60.9	87.6
Ra Plenum	75.5	69.4
Return	75.5	69.4
Ret/OA	75.5	68.9
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	618	618
Terminal	618	618
Main Fan	618	618
Sec Fan	0	0
Nom Vent	8	8
AHU Vent	8	8
Infil	0	0
Min Stop/Rh	0	0
Return	618	618
Exhaust	8	8
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	1.2	1.2
cfm/ft²	1.36	1.36
cfm/ton	806.43	
ft²/ton	594.22	
Btu/hr·ft²	20.19	-23.06
No. People	1	

COOLING COIL SELECTION

	Total Capacity ton	MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	WB °F	HR gr/lb	Leave DB °F	WB °F	HR gr/lb
Main Clg	0.8	9.2	8.5	618	75.5	62.1	80.9	60.9	56.9	78.2
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.8	9.2								

AREAS

	Gross Total ft²	Glass ft²	(%)
Floor	456		
Part	585		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	261	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-10.5	618	68.9	87.6
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-10.5			

Room Checksums

By Trane

N1 Area 19 Videograbacion

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 18
Outside Air: OADB/WB/HR: 80 / 80 / 194

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	2,324	0	2,324	8
Glass/Door Cond	17	0	17	0
Wall Cond	623	437	1,061	4
Partition/Door	858		858	3
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	3,822	437	4,260	15
Internal Loads				
Lights	941	0	941	3
People	900	0	900	3
Misc	20,478	0	20,478	74
Sub Total ==>	22,319	0	22,319	81
Ceiling Load	20	-20	0	0
Ventilation Load	0	0	1,053	4
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-6	-6	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	26,161	412	27,625	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 18
OADB: 80

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	2,324	9
Glass/Door Cond	17	0
Wall Cond	623	2
Partition/Door	858	3
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	3,822	15
Internal Loads		
Lights	941	4
People	500	2
Misc	20,478	79
Sub Total ==>	21,919	85
Ceiling Load	20	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	25,761	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	-87	-87	1.44
Wall Cond	-745	-1,267	20.92
Partition/Door	-3,491	-3,491	57.62
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-4,323	-4,845	79.97
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-27	0	0.00
Ventilation Load	0	-519	8.56
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		9	-0.14
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		-703	11.61
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-4,350	-6,058	100.00

TEMPERATURES

	Cooling	Heating
SADB	61.6	72.3
Ra Plenum	75.5	69.4
Return	75.5	69.4
Ret/OA	75.5	69.1
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	2,115	2,115
Terminal	2,115	2,115
Main Fan	2,115	2,115
Sec Fan	0	0
Nom Vent	15	15
AHU Vent	15	15
Infil	0	0
MinStop/Rh	0	0
Return	2,115	2,115
Exhaust	15	15
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	0.7	0.7
cfm/ft²	15.34	15.34
cfm/ton	918.68	
ft²/ton	59.87	
Btu/hr-ft²	200.42	-43.95
No. People	2	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter gr/lb	Leave DB °F	Leave WB °F	Leave gr/lb
Main Clg	2.3	27.6	26.3	2,115	75.5	62.0	80.3	61.6	57.4	79.6
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	2.3	27.6								

AREAS

	Gross Total ft²	Glass ft²	Glass (%)
Floor	138		
Part	237		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	214	32	15
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-6.1	2,115	69.1	72.3
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-6.1			

Room Checksums

By Trane

N1 Area 20 Pasillo interior

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 17
Outside Air: OADB/WB/HR: 84 / 83 / 216

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	2,001	0	2,001	6
Glass/Door Cond	294	0	294	1
Wall Cond	52	357	408	1
Partition/Door	8,065		8,065	25
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	10,412	357	10,769	33
Internal Loads				
Lights	8,858	0	8,858	27
People	5,400	0	5,400	17
Misc	0	0	0	0
Sub Total ==>	14,258	0	14,258	44
Ceiling Load	157	-157	0	0
Ventilation Load	0	0	7,718	24
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-31	-31	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	24,827	168	32,713	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 17
OADB: 84

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	2,001	9
Glass/Door Cond	294	1
Wall Cond	52	0
Partition/Door	8,065	36
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	10,412	46
Internal Loads		
Lights	8,858	39
People	3,000	13
Misc	0	0
Sub Total ==>	11,858	53
Ceiling Load	157	1
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	22,427	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	-1,169	-1,169	3.28
Wall Cond	-76	-604	1.69
Partition/Door	-30,310	-30,310	85.01
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-31,555	-32,082	89.98
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-256	0	0.00
Ventilation Load	0	-3,111	8.73
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		51	-0.14
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		-513	1.44
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-31,811	-35,656	100.00

TEMPERATURES

	Cooling	Heating
SADB	57.2	95.2
Ra Plenum	75.4	69.4
Return	75.4	69.4
Ret/OA	75.9	67.0
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	1,385	1,385
Terminal	1,385	1,385
Main Fan	1,385	1,385
Sec Fan	0	0
Nom Vent	90	90
AHU Vent	90	90
Infil	0	0
MinStop/Rh	0	0
Return	1,385	1,385
Exhaust	90	90
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	6.5	6.5
cfm/ft²	1.07	1.07
cfm/ton	508.13	
ft²/ton	476.01	
Btu/hr-ft²	25.21	-27.48
No. People	12	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter gr/lb	Leave DB °F	Leave WB °F	Leave gr/lb
Main Clg	2.7	32.7	23.3	1,385	75.9	63.6	88.4	57.2	55.3	77.1
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	2.7	32.7								

AREAS

	Gross Total ft²	Glass ft²	Glass (%)
Floor	1,298		
Part	2,056		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	216	129	60
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-35.7	1,385	67.0	95.2
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-35.7			

Room Checksums

By Trane

N1 Area 21 Receso Titular

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 6 / 18
Outside Air: OADB/WB/HR: 78 / 78 / 181

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	1,589	0	1,589	32
Glass/Door Cond	11	0	11	0
Wall Cond	158	186	344	7
Partition/Door	258		258	5
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	2,016	186	2,202	44
Internal Loads				
Lights	675	0	675	14
People	450	0	450	9
Misc	1,195	0	1,195	24
Sub Total ==>	2,320	0	2,320	47
Ceiling Load	13	-13	0	0
Ventilation Load	0	0	456	9
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-3	-3	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	4,348	170	4,975	100.00

CLG SPACE PEAK

Mo/Hr: 6 / 18
OADB: 78

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	1,589	38
Glass/Door Cond	11	0
Wall Cond	158	4
Partition/Door	258	6
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	2,016	49
Internal Loads		
Lights	675	16
People	250	6
Misc	1,195	29
Sub Total ==>	2,120	51
Ceiling Load	13	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing		
Exhaust Heat	0	0
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	4,148	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	-87	-87	3.99
Wall Cond	-190	-414	19.00
Partition/Door	-1,458	-1,458	66.88
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-1,735	-1,959	89.87
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-20	0	0.00
Ventilation Load	0	-259	11.89
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		4	-0.19
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		34	-1.57
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-1,755	-2,180	100.00

TEMPERATURES

	Cooling	Heating
SADB	59.8	76.4
Ra Plenum	75.4	69.4
Return	75.4	69.4
Ret/OA	75.5	68.4
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	300	300
Terminal	300	300
Main Fan	300	300
Sec Fan	0	0
Nom Vent	8	8
AHU Vent	8	8
Infil	0	0
MinStop/Rh	0	0
Return	300	300
Exhaust	8	8
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	2.5	2.5
cfm/ft²	3.04	3.04
cfm/ton	724.39	
ft²/ton	238.53	
Btu/hr·ft²	50.31	-22.04
No. People	1	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter gr/lb	Leave DB °F	Leave WB °F	Leave gr/lb
Main Clg	0.4	5.0	4.3	300	75.5	62.3	82.0	59.8	56.5	78.1
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.4	5.0								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	99		
Part	99		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	92	32	35
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-2.2	300	68.4	76.4
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-2.2			

Room Checksums

By Trane

N1 Area 22 Exclusa testigo

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 16
Outside Air: OADB/WB/HR: 86 / 85 / 231

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	493		493	23
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	493	0	493	23
Internal Loads				
Lights	465	0	465	22
People	450	0	450	21
Misc	0	0	0	0
Sub Total ==>	915	0	915	43
Ceiling Load	7	-7	0	0
Ventilation Load	0	0	722	34
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-2	-2	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	1,414	-9	2,127	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 17
OADB: 84

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	531	42
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	531	42
Internal Loads		
Lights	465	37
People	250	20
Misc	0	0
Sub Total ==>	715	57
Ceiling Load	8	1
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing		
Exhaust Heat	0	0
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	1,255	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-1,997	-1,997	86.60
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-1,997	-1,997	86.60
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-13	0	0.00
Ventilation Load	0	-259	11.24
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		4	-0.18
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		-54	2.34
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-2,011	-2,306	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.7	100.9
Ra Plenum	75.3	69.4
Return	75.3	69.4
Ret/OA	76.4	65.5
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	71	71
Terminal	71	71
Main Fan	71	71
Sec Fan	0	0
Nom Vent	8	8
AHU Vent	8	8
Infil	0	0
MinStop/Rh	0	0
Return	71	71
Exhaust	8	8
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	10.5	10.5
cfm/ft²	1.05	1.05
cfm/ton	402.96	
ft²/ton	384.24	
Btu/hr·ft²	31.23	-33.86
No. People	1	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter gr/lb	Leave DB °F	Leave WB °F	Leave gr/lb
Main Clg	0.2	2.1	1.3	71	76.4	65.0	95.4	55.7	54.7	76.7
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.2	2.1								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	68		
Part	135		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-2.3	71	65.5	100.9
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-2.3			

Room Checksums

By Trane

N1 Area 23 Exclusa testigo

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 16
Outside Air: OADB/WB/HR: 86 / 85 / 231

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	488		488	23
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	488	0	488	23
Internal Loads				
Lights	465	0	465	22
People	450	0	450	21
Misc	0	0	0	0
Sub Total ==>	915	0	915	43
Ceiling Load	7	-7	0	0
Ventilation Load	0	0	722	34
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-2	-2	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	1,410	-9	2,123	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 17
OADB: 84

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	527	42
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	527	42
Internal Loads		
Lights	465	37
People	250	20
Misc	0	0
Sub Total ==>	715	57
Ceiling Load	8	1
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing		0
Exhaust Heat		0
OA Preheat Diff.		0
RA Preheat Diff.		0
Additional Reheat		0
System Plenum Heat		0
Underflr Sup Ht Pkup		0
Supply Air Leakage		0
Grand Total ==>	1,250	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-1,980	-1,980	86.51
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-1,980	-1,980	86.51
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-13	0	0.00
Ventilation Load	0	-259	11.33
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		4	-0.19
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		-54	2.35
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-1,993	-2,288	100.00

TEMPERATURES

	Cooling	Heating
SADB	55.7	100.8
Ra Plenum	75.3	69.4
Return	75.3	69.4
Ret/OA	76.4	65.4
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	71	71
Terminal	71	71
Main Fan	71	71
Sec Fan	0	0
Nom Vent	8	8
AHU Vent	8	8
Infil	0	0
Min Stop/Rh	0	0
Return	71	71
Exhaust	8	8
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	10.5	10.5
cfm/ft²	1.04	1.04
cfm/ton	401.92	
ft²/ton	385.03	
Btu/hr-ft²	31.17	-33.60
No. People	1	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter gr/lb	Leave DB °F	Leave WB °F	Leave gr/lb
Main Clg	0.2	2.1	1.3	71	76.4	65.0	95.5	55.7	54.7	76.6
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.2	2.1								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	68		
Part	134		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-2.3	71	65.4	100.8
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-2.3			

Room Checksums

By Trane

N1 Area 24 Receso Titular

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 16
Outside Air: OADB/WB/HR: 86 / 85 / 231

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	337		337	10
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	337	0	337	10
Internal Loads				
Lights	633	0	633	19
People	450	0	450	13
Misc	1,195	0	1,195	36
Sub Total ==>	2,278	0	2,278	68
Ceiling Load	9	-9	0	0
Ventilation Load	0	0	722	22
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-2	-2	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	2,624	-11	3,335	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 17
OADB: 84

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	364	15
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	364	15
Internal Loads		
Lights	633	26
People	250	10
Misc	1,195	49
Sub Total ==>	2,078	85
Ceiling Load	11	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing		0
Exhaust Heat		0
OA Preheat Diff.		0
RA Preheat Diff.		0
Additional Reheat		0
System Plenum Heat		0
Underflr Sup Ht Pkup		0
Supply Air Leakage		0
Grand Total ==>	2,453	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-1,367	-1,367	79.00
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-1,367	-1,367	79.00
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-18	0	0.00
Ventilation Load	0	-259	14.98
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		4	-0.25
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		-108	6.26
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-1,386	-1,731	100.00

TEMPERATURES

	Cooling	Heating
SADB	58.1	79.6
Ra Plenum	75.3	69.4
Return	75.3	69.4
Ret/OA	75.8	67.6
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	159	159
Terminal	159	159
Main Fan	159	159
Sec Fan	0	0
Nom Vent	8	8
AHU Vent	8	8
Infil	0	0
Min Stop/Rh	0	0
Return	159	159
Exhaust	8	8
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	4.7	4.7
cfm/ft²	1.71	1.71
cfm/ton	572.43	
ft²/ton	333.79	
Btu/hr-ft²	35.95	-18.66
No. People	1	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter gr/lb	Leave DB °F	Leave WB °F	Leave gr/lb
Main Clg	0.3	3.3	2.5	159	75.8	63.3	86.6	58.1	55.9	78.4
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.3	3.3								

AREAS

	Gross Total	Glass ft²	Glass (%)
Floor	93		
Part	93		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-1.7	159	67.6	79.6
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-1.7			

Room Checksums

By Trane

N1 Area 25 Sala Juicio Oral 1

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 15
Outside Air: OADB/WB/HR: 87 / 86 / 237

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	408	215	624	1
Partition/Door	3,292		3,292	4
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	3,700	215	3,916	5
Internal Loads				
Lights	7,701	0	7,701	10
People	20,250	0	20,250	27
Misc	10,239	0	10,239	13
Sub Total ==>	38,190	0	38,190	50
Ceiling Load	91	-91	0	0
Ventilation Load	0	0	34,039	45
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-78	-78	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	41,981	47	76,067	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 18
OADB: 80

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	1,790	5
Partition/Door	4,303	12
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	6,093	17
Internal Loads		
Lights	7,701	22
People	11,250	32
Misc	10,239	29
Sub Total ==>	29,190	82
Ceiling Load	160	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing		
Exhaust Heat	0	0
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	35,443	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	-2,089	-3,212	10.00
Partition/Door	-17,298	-17,298	53.84
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-19,388	-20,510	63.84
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-223	0	0.00
Ventilation Load	0	-11,668	36.32
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		191	-0.60
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		-141	0.44
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-19,610	-32,127	100.00

TEMPERATURES

	Cooling	Heating
SADB	53.8	81.7
Ra Plenum	75.3	69.4
Return	75.3	69.4
Ret/OA	77.4	62.5
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	1,837	1,837
Terminal	1,837	1,837
Main Fan	1,837	1,837
Sec Fan	0	0
Nom Vent	338	338
AHU Vent	338	338
Infil	0	0
MinStop/Rh	0	0
Return	1,837	1,837
Exhaust	338	338
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	18.4	18.4
cfm/ft²	1.63	1.63
cfm/ton	289.76	
ft²/ton	177.98	
Btu/hr-ft²	67.42	-28.48
No. People	45	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter gr/lb	Leave DB °F	Leave WB °F	Leave gr/lb
Main Clg	6.3	76.1	36.6	1,837	77.4	67.5	108.5	53.8	53.5	74.2
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	6.3	76.1								

AREAS

	Gross Total ft²	Glass ft²	Glass (%)
Floor	1,128		
Part	1,173		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	461	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-32.1	1,837	62.5	81.7
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-32.1			

Room Checksums

By Trane

N1 Area 26 Sala Juicio Oral 2

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 15
Outside Air: OADB/WB/HR: 87 / 86 / 237

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	1,373	742	2,115	3
Partition/Door	3,249		3,249	4
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	4,622	742	5,364	7
Internal Loads				
Lights	7,406	0	7,406	10
People	20,250	0	20,250	26
Misc	10,239	0	10,239	13
Sub Total ==>	37,895	0	37,895	49
Ceiling Load	87	-87	0	0
Ventilation Load	0	0	34,039	44
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-78	-78	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	42,604	577	77,220	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 17
OADB: 84

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	1,412	4
Partition/Door	4,542	13
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	5,955	17
Internal Loads		
Lights	7,406	21
People	11,250	32
Misc	10,239	29
Sub Total ==>	28,895	83
Ceiling Load	132	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing		
Exhaust Heat	0	0
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	34,981	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	-2,045	-3,144	9.90
Partition/Door	-17,072	-17,072	53.75
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-19,117	-20,216	63.64
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-214	0	0.00
Ventilation Load	0	-11,668	36.73
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		191	-0.60
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		-71	0.22
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-19,331	-31,764	100.00

TEMPERATURES

	Cooling	Heating
SADB	52.2	82.6
Ra Plenum	75.3	69.4
Return	75.3	69.4
Ret/OA	77.6	61.9
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	1,687	1,687
Terminal	1,687	1,687
Main Fan	1,687	1,687
Sec Fan	0	0
Nom Vent	338	338
AHU Vent	338	338
Infil	0	0
MinStop/Rh	0	0
Return	1,687	1,687
Exhaust	338	338
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	20.0	20.0
cfm/ft²	1.55	1.55
cfm/ton	262.16	
ft²/ton	168.60	
Btu/hr-ft²	71.17	-29.28
No. People	45	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter gr/lb	Leave DB °F	Leave WB °F	Leave gr/lb
Main Clg	6.4	77.2	37.8	1,687	77.6	68.0	111.1	52.2	52.2	71.1
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	6.4	77.2								

AREAS

	Gross Total ft²	Glass ft²	Glass (%)
Floor	1,085		
Part	1,158		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	451	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-31.8	1,687	61.9	82.6
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-31.8			

Room Checksums

By Trane

N1 Area 27 Entrevista imputado

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 17
Outside Air: OADB/WB/HR: 84 / 83 / 216

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	360	193	553	11
Partition/Door	347		347	7
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	707	193	900	18
Internal Loads				
Lights	638	0	638	13
People	900	0	900	18
Misc	1,195	0	1,195	24
Sub Total ==>	2,732	0	2,732	56
Ceiling Load	11	-11	0	0
Ventilation Load	0	0	1,286	26
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-5	-5	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	3,450	176	4,913	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 20
OADB: 73

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	757	23
Partition/Door	192	6
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	949	29
Internal Loads		
Lights	638	19
People	500	15
Misc	1,195	36
Sub Total ==>	2,332	71
Ceiling Load	15	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		0
OA Preheat Diff.		0
RA Preheat Diff.		0
Additional Reheat		0
System Plenum Heat		214
Underflr Sup Ht Pkup		0
Supply Air Leakage		0
Grand Total ==>	3,297	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	-654	-1,006	37.55
Partition/Door	-1,377	-1,377	51.40
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-2,031	-2,383	88.95
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-18	0	0.00
Ventilation Load	0	-519	19.36
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		9	-0.32
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		214	-7.99
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-2,050	-2,679	100.00

TEMPERATURES

	Cooling	Heating
SADB	57.7	80.7
Ra Plenum	75.4	69.4
Return	75.4	69.4
Ret/OA	76.0	66.7
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	210	210
Terminal	210	210
Main Fan	210	210
Sec Fan	0	0
Nom Vent	15	15
AHU Vent	15	15
Infil	0	0
MinStop/Rh	0	0
Return	210	210
Exhaust	15	15
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	7.1	7.1
cfm/ft²	2.25	2.25
cfm/ton	512.84	
ft²/ton	228.13	
Btu/hr-ft²	52.60	-28.68
No. People	2	

COOLING COIL SELECTION

	Total Capacity ton	MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	WB °F	HR gr/lb	Leave DB °F	WB °F	HR gr/lb
Main Clg	0.4	4.9	3.4	210	76.0	63.8	89.2	57.7	55.6	77.6
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.4	4.9								

AREAS

	Gross Total ft²	Glass ft²	(%)
Floor	93		
Part	93		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	144	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-2.7	210	66.7	80.7
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-2.7			

Room Checksums

By Trane

N1 Area 28 Resguardo imputado

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 16
Outside Air: OADB/WB/HR: 86 / 85 / 231

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	132	70	202	4
Partition/Door	399		399	9
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	530	70	600	13
Internal Loads				
Lights	441	0	441	10
People	1,350	0	1,350	30
Misc	0	0	0	0
Sub Total ==>	1,791	0	1,791	39
Ceiling Load	7	-7	0	0
Ventilation Load	0	0	2,165	48
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-6	-6	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	2,328	57	4,550	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 19
OADB: 76

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	426	21
Partition/Door	425	21
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	851	41
Internal Loads		
Lights	441	22
People	750	37
Misc	0	0
Sub Total ==>	1,191	58
Ceiling Load	10	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		0
OA Preheat Diff.		0
RA Preheat Diff.		0
Additional Reheat		0
System Plenum Heat		172
Underflr Sup Ht Pkup		0
Supply Air Leakage		0
Grand Total ==>	2,053	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	-453	-696	20.80
Partition/Door	-2,059	-2,059	61.49
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-2,512	-2,755	82.29
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-13	0	0.00
Ventilation Load	0	-778	23.23
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		13	-0.38
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		172	-5.14
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-2,525	-3,348	100.00

TEMPERATURES

	Cooling	Heating
SADB	53.2	96.8
Ra Plenum	75.3	69.4
Return	75.3	69.4
Ret/OA	77.6	61.2
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	103	103
Terminal	103	103
Main Fan	103	103
Sec Fan	0	0
Nom Vent	23	23
AHU Vent	23	23
Infil	0	0
MinStop/Rh	0	0
Return	103	103
Exhaust	23	23
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	21.8	21.8
cfm/ft²	1.60	1.60
cfm/ton	272.71	
ft²/ton	170.54	
Btu/hr-ft²	70.37	-51.78
No. People	3	

COOLING COIL SELECTION

	Total Capacity ton	MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	WB °F	HR gr/lb	Leave DB °F	WB °F	HR gr/lb
Main Clg	0.4	4.6	2.0	103	77.6	68.2	112.4	53.2	53.1	73.8
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.4	4.6								

AREAS

	Gross Total ft²	Glass ft²	(%)
Floor	65		
Part	140		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	100	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-3.4	103	61.2	96.8
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-3.4			

Room Checksums

By Trane

N1 Area 29 Vestibulo Salas

COOLING COIL PEAK	Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total
Peaked at Time: Mo/Hr: 5 / 16				
Outside Air: OADB/WB/HR: 86 / 85 / 231				
	Btu/h	Btu/h	Btu/h	(%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	0	0	0	0
Partition/Door	2,134		2,134	13
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	2,134	0	2,134	13
Internal Loads				
Lights	3,078	0	3,078	18
People	4,500	0	4,500	27
Misc	0	0	0	0
Sub Total ==>	7,578	0	7,578	45
Ceiling Load	45	-45	0	0
Ventilation Load	0	0	7,217	43
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-22	-22	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	9,758	-67	16,908	100.00

CLG SPACE PEAK	Space Sensible	Percent Of Total
Mo/Hr: 5 / 17		
OADB: 84		
	Btu/h	(%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	0	0
Partition/Door	2,302	29
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	2,302	29
Internal Loads		
Lights	3,078	39
People	2,500	32
Misc	0	0
Sub Total ==>	5,578	70
Ceiling Load	55	1
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing		
Exhaust Heat	0	0
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	7,935	100.00

HEATING COIL PEAK	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total
Mo/Hr: Heating Design			
OADB: 32			
	Btu/h	Btu/h	(%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	0	0	0.00
Partition/Door	-8,653	-8,653	75.18
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-8,653	-8,653	75.18
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-89	0	0.00
Ventilation Load	0	-2,593	22.53
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		42	-0.37
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		-307	2.66
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-8,742	-11,510	100.00

TEMPERATURES	Cooling	Heating
SADB	52.3	95.0
Ra Plenum	75.3	69.4
Return	75.3	69.4
Ret/OA	77.4	62.1
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS	Cooling	Heating
Diffuser	384	384
Terminal	384	384
Main Fan	384	384
Sec Fan	0	0
Nom Vent	75	75
AHU Vent	75	75
Infil	0	0
MinStop/Rh	0	0
Return	384	384
Exhaust	75	75
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS	Cooling	Heating
% OA	19.5	19.5
cfm/ft²	0.85	0.85
cfm/ton	272.67	
ft²/ton	320.05	
Btu/hr-ft²	37.49	-25.52
No. People	10	

COOLING COIL SELECTION	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	1.4	16.9	8.4	384	77.4	67.6	109.0	52.3	52.2	71.3
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1.4	16.9								

AREAS	Gross Total	Glass ft²	Glass (%)
Floor	451		
Part	587		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	0	0	0
Ext Door	0	0	0

HEATING COIL SELECTION	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-11.5	384	62.1	95.0
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-11.5			

Room Checksums

By Trane

N1 Area 30 Coordinacion custotios

COOLING COIL PEAK	Space Sens. + Lat.	Plenum Sens. + Lat	Net Total	Percent Of Total
Peaked at Time: Mo/Hr: 5 / 16				
Outside Air: OADB/WB/HR: 86 / 85 / 231				
	Btu/h	Btu/h	Btu/h	(%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	233	0	233	1
Glass/Door Cond	108	0	108	0
Wall Cond	4,427	2,514	6,941	21
Partition/Door	4,861		4,861	14
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	9,629	2,514	12,142	36
Internal Loads				
Lights	6,531	0	6,531	19
People	4,500	0	4,500	13
Misc	3,413	0	3,413	10
Sub Total ==>	14,444	0	14,444	43
Ceiling Load	96	-96	0	0
Ventilation Load	0	0	7,217	21
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-22	-22	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	24,169	2,396	33,782	100.00

CLG SPACE PEAK	Space Sensible	Percent Of Total
Mo/Hr: 5 / 17		
OADB: 84		
	Btu/h	(%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	207	1
Glass/Door Cond	100	0
Wall Cond	4,385	19
Partition/Door	5,501	24
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	10,192	45
Internal Loads		
Lights	6,531	29
People	2,500	11
Misc	3,413	15
Sub Total ==>	12,444	55
Ceiling Load	116	1
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
System Plenum Heat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	22,752	100.00

HEATING COIL PEAK	Space Peak Space Sens	Coil Peak Tot Sens	Percent Of Total
Mo/Hr: Heating Design			
OADB: 32			
	Btu/h	Btu/h	(%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	-395	-395	1.24
Wall Cond	-5,961	-9,328	29.36
Partition/Door	-21,848	-21,848	68.77
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-28,205	-31,571	99.38
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-189	0	0.00
Ventilation Load	0	-2,593	8.16
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		42	-0.13
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		2,353	-7.41
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-28,393	-31,768	100.00

TEMPERATURES	Cooling	Heating
SADB	57.8	91.4
Ra Plenum	75.3	69.4
Return	75.3	69.4
Ret/OA	75.9	67.5
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS	Cooling	Heating
Diffuser	1,455	1,455
Terminal	1,455	1,455
Main Fan	1,455	1,455
Sec Fan	0	0
Nom Vent	75	75
AHU Vent	75	75
Infil	0	0
MinStop/Rh	0	0
Return	1,455	1,455
Exhaust	75	75
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS	Cooling	Heating
% OA	5.2	5.2
cfm/ft²	1.52	1.52
cfm/ton	516.98	
ft²/ton	339.87	
Btu/hr-ft²	35.31	-33.20
No. People	10	

COOLING COIL SELECTION	Total Capacity		Sens Cap.	Coil Airflow	Enter DB/WB/HR			Leave DB/WB/HR		
	ton	MBh	MBh	cfm	°F	°F	gr/lb	°F	°F	gr/lb
Main Clg	2.8	33.8	25.3	1,455	75.9	63.4	87.3	57.8	55.2	75.7
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	2.8	33.8								

AREAS	Gross Total	Glass ft²	Glass (%)
Floor	957		
Part	1,482		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	1,382	44	3
Ext Door	0	0	0

HEATING COIL SELECTION	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-31.8	1,455	67.5	91.4
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-31.8			

Room Checksums

By Trane

N1 Area 31 Entrevista imputado

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 6 / 20
Outside Air: OADB/WB/HR: 72 / 72 / 144

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	2,759	1,474	4,233	56
Partition/Door	109		109	1
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	2,869	1,474	4,343	58
Internal Loads				
Lights	596	0	596	8
People	900	0	900	12
Misc	1,195	0	1,195	16
Sub Total ==>	2,690	0	2,690	36
Ceiling Load	14	-14	0	0
Ventilation Load	0	0	507	7
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-7	-7	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	5,572	1,454	7,533	100.00

CLG SPACE PEAK

Mo/Hr: 6 / 20
OADB: 72

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	2,759	53
Partition/Door	109	2
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	2,869	55
Internal Loads		
Lights	596	12
People	500	10
Misc	1,195	23
Sub Total ==>	2,290	44
Ceiling Load	14	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Grand Total ==>	5,172	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	-4,618	-7,098	106.98
Partition/Door	-1,286	-1,286	19.39
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-5,904	-8,385	126.37
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-17	0	0.00
Ventilation Load	0	-519	7.82
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		9	-0.13
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		2,260	-34.06
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-5,921	-6,635	100.00

TEMPERATURES

	Cooling	Heating
SADB	59.2	88.1
Ra Plenum	75.5	69.4
Return	75.5	69.4
Ret/OA	75.3	67.8
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	360	360
Terminal	360	360
Main Fan	360	360
Sec Fan	0	0
Nom Vent	15	15
AHU Vent	15	15
Infil	0	0
MinStop/Rh	0	0
Return	360	360
Exhaust	15	15
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	4.2	4.2
cfm/ft²	4.12	4.12
cfm/ton	572.91	
ft²/ton	139.01	
Btu/hr-ft²	86.33	-76.04
No. People	2	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	0.6	7.5	6.6	360	75.3	62.3	82.2	59.2	54.8	71.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.6	7.5								

AREAS

	Gross Total ft²	Glass ft²	Glass (%)
Floor	87		
Part	87		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	1,018	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-6.6	360	67.8	88.1
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-6.6			

Room Checksums

By Trane

N1 Area 32 Resguardo imputado

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 16
Outside Air: OADB/WB/HR: 86 / 85 / 231

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	0	0	0	0
Glass/Door Cond	0	0	0	0
Wall Cond	241	130	371	8
Partition/Door	359		359	8
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	600	130	729	16
Internal Loads				
Lights	356	0	356	8
People	1,350	0	1,350	29
Misc	0	0	0	0
Sub Total ==>	1,706	0	1,706	37
Ceiling Load	5	-5	0	0
Ventilation Load	0	0	2,165	47
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-6	-6	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	2,311	118	4,594	100.00

CLG SPACE PEAK

Mo/Hr: 5 / 18
OADB: 80

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	0	0
Glass/Door Cond	0	0
Wall Cond	250	14
Partition/Door	436	24
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	686	38
Internal Loads		
Lights	356	20
People	750	42
Misc	0	0
Sub Total ==>	1,106	61
Ceiling Load	7	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Grand Total ==>	1,799	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	0	0	0.00
Wall Cond	-373	-573	18.79
Partition/Door	-1,853	-1,853	60.81
Floor	0	0	0.00
Adjacent Floor	0	0	0.00
Infiltration	0	0	0.00
Sub Total ==>	-2,226	-2,426	79.60
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-10	0	0.00
Ventilation Load	0	-778	25.52
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		13	-0.42
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
System Plenum Heat		143	-4.70
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-2,236	-3,048	100.00

TEMPERATURES

	Cooling	Heating
SADB	50.9	99.9
Ra Plenum	75.3	69.4
Return	75.3	69.4
Ret/OA	78.2	59.2
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	82	82
Terminal	82	82
Main Fan	82	82
Sec Fan	0	0
Nom Vent	23	23
AHU Vent	23	23
Infil	0	0
MinStop/Rh	0	0
Return	82	82
Exhaust	23	23
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	27.4	27.4
cfm/ft²	1.58	1.58
cfm/ton	214.72	
ft²/ton	136.31	
Btu/hr-ft²	88.04	-58.40
No. People	3	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	0.4	4.6	2.1	82	78.2	69.7	120.9	50.9	50.8	67.4
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.4	4.6								

AREAS

	Gross Total ft²	Glass ft²	Glass (%)
Floor	52		
Part	126		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	82	0	0
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-3.1	82	59.2	99.9
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-3.1			

System Checksums

By Trane

Planta Baja — **Fan Coil**

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 17
Outside Air: OADB/WB/HR: 84 / 83 / 216

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	40,326	40,326	6
Glass Solar	84,976	0	84,976	13
Glass/Door Cond	2,977	0	2,977	0
Wall Cond	8,934	10,382	19,316	3
Partition/Door	11,243		11,243	2
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	108,130	50,708	158,838	23
Internal Loads				
Lights	93,116	0	93,116	14
People	90,000	0	90,000	13
Misc	208,474	0	208,474	31
Sub Total ==>	391,591	0	391,591	58
Ceiling Load	6,134	-6,134	0	0
Ventilation Load	0	0	128,872	19
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-1,937	-1,937	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	505,855	42,638	677,364	100.00

CLG SPACE PEAK

Mo/Hr: Sum of
OADB: Peaks

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	153,171	29
Glass/Door Cond	-1,401	0
Wall Cond	9,929	2
Partition/Door	5,934	1
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	167,633	32
Internal Loads		
Lights	93,116	18
People	50,000	10
Misc	208,474	40
Sub Total ==>	351,591	67
Ceiling Load	5,022	1
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	524,246	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	-18,833	12.25
Glass Solar	0	0	0.00
Glass/Door Cond	-11,800	-11,800	7.67
Wall Cond	-13,711	-30,102	19.58
Partition/Door	-42,505	-42,505	27.65
Floor	0	0	0.00
Adjacent Floor	0	0	0
Infiltration	0	0	0.00
Sub Total ==>	-68,016	-103,239	67.15
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-4,260	0	0.00
Ventilation Load	0	-51,857	33.73
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		1,345	-0.87
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-72,276	-153,751	100.00

TEMPERATURES

	Cooling	Heating
SADB	58.3	72.3
Ra Plenum	76.4	69.0
Return	76.4	69.0
Ret/OA	76.7	67.4
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	34,535	34,535
Terminal	34,535	34,535
Main Fan	34,535	34,535
Sec Fan	0	0
Nom Vent	1,500	1,500
AHU Vent	1,500	1,500
Infil	0	0
MinStop/Rh	0	0
Return	34,535	34,535
Exhaust	1,500	1,500
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	4.3	4.3
cfm/ft²	2.53	2.53
cfm/ton	611.82	
ft²/ton	241.67	
Btu/hr·ft²	49.65	-11.27
No. People	200	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	56.5	677.4	520.4	34,535	76.7	63.1	84.4	58.3	56.2	79.5
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	56.5	677.4								

AREAS

	Gross Total ft²	Glass ft²	Glass (%)
Floor	13,641		
Part	2,883		
Int Door	0		
ExFlr	0		
Roof	2,383	0	0
Wall	6,792	2,438	36
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-153.8	34,535	67.4	72.3
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-153.8			

System Checksums

By Trane

Primer Nivel — **Fan Coil**

COOLING COIL PEAK

Peaked at Time: Mo/Hr: 5 / 17
Outside Air: OADB/WB/HR: 84 / 83 / 216

	Space Sens. + Lat. Btu/h	Plenum Sens. + Lat Btu/h	Net Total Btu/h	Percent Of Total (%)
Envelope Loads				
Skylite Solar	0	0	0	0
Skylite Cond	0	0	0	0
Roof Cond	0	0	0	0
Glass Solar	63,306	0	63,306	11
Glass/Door Cond	1,643	0	1,643	0
Wall Cond	12,123	10,496	22,619	4
Partition/Door	55,999		55,999	10
Floor	0		0	0
Adjacent Floor	0	0	0	0
Infiltration	0		0	0
Sub Total ==>	133,071	10,496	143,566	25
Internal Loads				
Lights	80,444	0	80,444	14
People	96,300	0	96,300	17
Misc	107,509	0	107,509	19
Sub Total ==>	284,254	0	284,254	50
Ceiling Load	1,429	-1,429	0	0
Ventilation Load	0	0	137,643	24
Adj Air Trans Heat	0		0	0
Dehumid. Ov Sizing			0	0
Ov/Undr Sizing	0		0	0
Exhaust Heat		-559	-559	0
Sup. Fan Heat			0	0
Ret. Fan Heat		0	0	0
Duct Heat Pkup		0	0	0
Underflr Sup Ht Pkup			0	0
Supply Air Leakage		0	0	0
Grand Total ==>	418,754	8,508	564,905	100.00

CLG SPACE PEAK

Mo/Hr: Sum of
OADB: Peaks

	Space Sensible Btu/h	Percent Of Total (%)
Envelope Loads		
Skylite Solar	0	0
Skylite Cond	0	0
Roof Cond	0	0
Glass Solar	103,582	25
Glass/Door Cond	761	0
Wall Cond	15,843	4
Partition/Door	44,719	11
Floor	0	0
Adjacent Floor	0	0
Infiltration	0	0
Sub Total ==>	164,905	40
Internal Loads		
Lights	80,444	20
People	53,500	13
Misc	107,509	26
Sub Total ==>	241,454	59
Ceiling Load	1,340	0
Ventilation Load	0	0
Adj Air Trans Heat	0	0
Ov/Undr Sizing	0	0
Exhaust Heat		
OA Preheat Diff.		
RA Preheat Diff.		
Additional Reheat		
Underflr Sup Ht Pkup		
Supply Air Leakage		
Grand Total ==>	407,699	100.00

HEATING COIL PEAK

Mo/Hr: Heating Design
OADB: 32

	Space Peak Space Sens Btu/h	Coil Peak Tot Sens Btu/h	Percent Of Total (%)
Envelope Loads			
Skylite Solar	0	0	0.00
Skylite Cond	0	0	0.00
Roof Cond	0	0	0.00
Glass Solar	0	0	0.00
Glass/Door Cond	-6,477	-6,477	2.07
Wall Cond	-21,010	-38,670	12.34
Partition/Door	-213,681	-213,681	68.18
Floor	0	0	0.00
Adjacent Floor	0	0	0
Infiltration	0	0	0.00
Sub Total ==>	-241,168	-258,828	82.59
Internal Loads			
Lights	0	0	0.00
People	0	0	0.00
Misc	0	0	0.00
Sub Total ==>	0	0	0.00
Ceiling Load	-2,325	0	0.00
Ventilation Load	0	-55,487	17.70
Adj Air Trans Heat	0	0	0
Ov/Undr Sizing	0	0	0.00
Exhaust Heat		909	-0.29
OA Preheat Diff.		0	0.00
RA Preheat Diff.		0	0.00
Additional Reheat		0	0.00
Underflr Sup Ht Pkup		0	0.00
Supply Air Leakage		0	0.00
Grand Total ==>	-243,493	-313,405	100.00

TEMPERATURES

	Cooling	Heating
SADB	58.4	79.9
Ra Plenum	75.4	69.4
Return	75.4	69.4
Ret/OA	75.9	67.2
Fn MtrTD	0.0	0.0
Fn BldTD	0.0	0.0
Fn Frict	0.0	0.0

AIRFLOWS

	Cooling	Heating
Diffuser	27,065	27,065
Terminal	27,065	27,065
Main Fan	27,065	27,065
Sec Fan	0	0
Nom Vent	1,605	1,605
AHU Vent	1,605	1,605
Infil	0	0
MinStop/Rh	0	0
Return	27,065	27,065
Exhaust	1,605	1,605
Rm Exh	0	0
Auxiliary	0	0
Leakage Dwn	0	0
Leakage Ups	0	0

ENGINEERING CKS

	Cooling	Heating
% OA	5.9	5.9
cfm/ft²	2.30	2.30
cfm/ton	574.93	
ft²/ton	250.34	
Btu/hr·ft²	47.93	-26.59
No. People	214	

COOLING COIL SELECTION

	Total Capacity ton	Total Capacity MBh	Sens Cap. MBh	Coil Airflow cfm	Enter DB °F	Enter WB °F	Enter HR gr/lb	Leave DB °F	Leave WB °F	Leave HR gr/lb
Main Clg	47.1	564.9	397.2	27,065	75.9	63.5	87.6	58.4	56.2	79.0
Aux Clg	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Opt Vent	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0
Total	47.1	564.9								

AREAS

	Gross Total ft²	Glass ft²	Glass (%)
Floor	11,785		
Part	14,494		
Int Door	0		
ExFlr	0		
Roof	0	0	0
Wall	7,247	1,691	23
Ext Door	0	0	0

HEATING COIL SELECTION

	Capacity MBh	Coil Airflow cfm	Ent °F	Lvg °F
Main Htg	-313.4	27,065	67.2	79.9
Aux Htg	0.0	0	0.0	0.0
Preheat	0.0	0	0.0	0.0
Humidif	0.0	0	0.0	0.0
Opt Vent	0.0	0	0.0	0.0
Total	-313.4			

SYSTEM LOAD PROFILES

By Trane

Planta Baja
Planta Baja

Percent Design Load	---- Cooling Load ---- Cap. (Tons)	Hours (%)	Hours	---- Heating Load ---- Cap. (Btuh)	Hours (%)	Hours	---- Cooling Airflow ---- Cap. (Cfm)	Hours (%)	Hours	---- Heating Airflow---- Cap. (Cfm)	Hours (%)	Hours
0 - 5	2.8	0	0	-7,687.5	0	0	1,726.8	0	0	0.0	0	0
5 - 10	5.6	0	0	-15,375.1	0	0	3,453.5	0	0	0.0	0	0
10 - 15	8.5	0	0	-23,062.6	0	0	5,180.3	0	0	0.0	0	0
15 - 20	11.3	0	0	-30,750.1	0	0	6,907.1	0	0	0.0	0	0
20 - 25	14.1	0	0	-38,437.7	0	0	8,633.8	0	0	0.0	0	0
25 - 30	16.9	0	0	-46,125.2	0	0	10,360.6	0	0	0.0	0	0
30 - 35	19.8	0	0	-53,812.7	0	0	12,087.4	0	0	0.0	0	0
35 - 40	22.6	8	661	-61,500.3	0	0	13,814.1	0	0	0.0	0	0
40 - 45	25.4	12	1,094	-69,187.8	0	0	15,540.9	0	0	0.0	0	0
45 - 50	28.2	17	1,497	-76,875.3	0	0	17,267.7	0	0	0.0	0	0
50 - 55	31.1	12	1,093	-84,562.8	0	0	18,994.4	0	0	0.0	0	0
55 - 60	33.9	11	1,002	-92,250.4	0	0	20,721.2	0	0	0.0	0	0
60 - 65	36.7	10	912	-99,937.9	0	0	22,448.0	0	0	0.0	0	0
65 - 70	39.5	12	1,069	-107,625.4	0	0	24,174.7	0	0	0.0	0	0
70 - 75	42.3	5	453	-115,313.0	0	0	25,901.5	0	0	0.0	0	0
75 - 80	45.2	5	460	-123,000.5	0	0	27,628.3	0	0	0.0	0	0
80 - 85	48.0	5	397	-130,688.0	0	0	29,355.1	0	0	0.0	0	0
85 - 90	50.8	1	122	-138,375.6	0	0	31,081.8	0	0	0.0	0	0
90 - 95	53.6	0	0	-146,063.1	0	0	32,808.6	0	0	0.0	0	0
95 - 100	56.5	0	0	-153,750.6	0	0	34,535.4	100	8,760	0.0	0	0
Hours Off	0.0	0	0	0.0	0	8,760	0.0	0	0	0.0	0	8,760

SYSTEM LOAD PROFILES

By Trane

Planta Baja
System Totals

Percent Design Load	---- Cooling Load ---- Cap. (Tons)	Hours (%)	Hours	---- Heating Load ---- Cap. (Btuh)	Hours (%)	Hours	---- Cooling Airflow ---- Cap. (Cfm)	Hours (%)	Hours	---- Heating Airflow---- Cap. (Cfm)	Hours (%)	Hours
0 - 5	2.8	0	0	-7,687.5	0	0	1,726.8	0	0	0.0	0	0
5 - 10	5.6	0	0	-15,375.1	0	0	3,453.5	0	0	0.0	0	0
10 - 15	8.5	0	0	-23,062.6	0	0	5,180.3	0	0	0.0	0	0
15 - 20	11.3	0	0	-30,750.1	0	0	6,907.1	0	0	0.0	0	0
20 - 25	14.1	0	0	-38,437.7	0	0	8,633.8	0	0	0.0	0	0
25 - 30	16.9	0	0	-46,125.2	0	0	10,360.6	0	0	0.0	0	0
30 - 35	19.8	0	0	-53,812.7	0	0	12,087.4	0	0	0.0	0	0
35 - 40	22.6	8	661	-61,500.3	0	0	13,814.1	0	0	0.0	0	0
40 - 45	25.4	12	1,094	-69,187.8	0	0	15,540.9	0	0	0.0	0	0
45 - 50	28.2	17	1,497	-76,875.3	0	0	17,267.7	0	0	0.0	0	0
50 - 55	31.1	12	1,093	-84,562.8	0	0	18,994.4	0	0	0.0	0	0
55 - 60	33.9	11	1,002	-92,250.4	0	0	20,721.2	0	0	0.0	0	0
60 - 65	36.7	10	912	-99,937.9	0	0	22,448.0	0	0	0.0	0	0
65 - 70	39.5	12	1,069	-107,625.4	0	0	24,174.7	0	0	0.0	0	0
70 - 75	42.3	5	453	-115,313.0	0	0	25,901.5	0	0	0.0	0	0
75 - 80	45.2	5	460	-123,000.5	0	0	27,628.3	0	0	0.0	0	0
80 - 85	48.0	5	397	-130,688.0	0	0	29,355.1	0	0	0.0	0	0
85 - 90	50.8	1	122	-138,375.6	0	0	31,081.8	0	0	0.0	0	0
90 - 95	53.6	0	0	-146,063.1	0	0	32,808.6	0	0	0.0	0	0
95 - 100	56.5	0	0	-153,750.6	0	0	34,535.4	100	8,760	0.0	0	0
Hours Off	0.0	0	0	0.0	0	8,760	0.0	0	0	0.0	0	8,760

SYSTEM LOAD PROFILES

By Trane

Primer Nivel
Primer Nivel

Percent Design Load	---- Cooling Load ---- Cap. (Tons)	Hours (%)	Hours	---- Heating Load ---- Cap. (Btuh)	Hours (%)	Hours	---- Cooling Airflow ---- Cap. (Cfm)	Hours (%)	Hours	---- Heating Airflow---- Cap. (Cfm)	Hours (%)	Hours
0 - 5	2.4	0	0	-15,670.3	66	757	1,353.3	0	0	0.0	0	0
5 - 10	4.7	2	186	-31,340.5	34	394	2,706.5	0	0	0.0	0	0
10 - 15	7.1	8	688	-47,010.8	0	0	4,059.8	0	0	0.0	0	0
15 - 20	9.4	8	728	-62,681.0	0	0	5,413.1	0	0	0.0	0	0
20 - 25	11.8	13	1,129	-78,351.3	0	0	6,766.3	0	0	0.0	0	0
25 - 30	14.1	11	971	-94,021.5	0	0	8,119.6	0	0	0.0	0	0
30 - 35	16.5	8	733	-109,691.8	0	0	9,472.8	0	0	0.0	0	0
35 - 40	18.8	8	733	-125,362.0	0	0	10,826.1	0	0	0.0	0	0
40 - 45	21.2	8	741	-141,032.3	0	0	12,179.4	0	0	0.0	0	0
45 - 50	23.5	5	455	-156,702.5	0	0	13,532.6	0	0	0.0	0	0
50 - 55	25.9	5	458	-172,372.8	0	0	14,885.9	0	0	0.0	0	0
55 - 60	28.3	4	366	-188,043.0	0	0	16,239.1	0	0	0.0	0	0
60 - 65	30.6	4	318	-203,713.3	0	0	17,592.4	0	0	0.0	0	0
65 - 70	33.0	3	275	-219,383.5	0	0	18,945.7	0	0	0.0	0	0
70 - 75	35.3	3	269	-235,053.8	0	0	20,298.9	0	0	0.0	0	0
75 - 80	37.7	4	344	-250,724.0	0	0	21,652.2	0	0	0.0	0	0
80 - 85	40.0	2	213	-266,394.3	0	0	23,005.5	0	0	0.0	0	0
85 - 90	42.4	2	153	-282,064.5	0	0	24,358.7	0	0	0.0	0	0
90 - 95	44.7	0	0	-297,734.8	0	0	25,712.0	0	0	0.0	0	0
95 - 100	47.1	0	0	-313,405.0	0	0	27,065.2	100	8,760	0.0	0	0
Hours Off	0.0	0	0	0.0	0	7,609	0.0	0	0	0.0	0	8,760

SYSTEM LOAD PROFILES

By Trane

Primer Nivel
System Totals

Percent Design Load	---- Cooling Load ---- Cap. (Tons)	Hours (%)	Hours	---- Heating Load ---- Cap. (Btuh)	Hours (%)	Hours	---- Cooling Airflow ---- Cap. (Cfm)	Hours (%)	Hours	---- Heating Airflow---- Cap. (Cfm)	Hours (%)	Hours
0 - 5	2.4	0	0	-15,670.3	66	757	1,353.3	0	0	0.0	0	0
5 - 10	4.7	2	186	-31,340.5	34	394	2,706.5	0	0	0.0	0	0
10 - 15	7.1	8	688	-47,010.8	0	0	4,059.8	0	0	0.0	0	0
15 - 20	9.4	8	728	-62,681.0	0	0	5,413.1	0	0	0.0	0	0
20 - 25	11.8	13	1,129	-78,351.3	0	0	6,766.3	0	0	0.0	0	0
25 - 30	14.1	11	971	-94,021.5	0	0	8,119.6	0	0	0.0	0	0
30 - 35	16.5	8	733	-109,691.8	0	0	9,472.8	0	0	0.0	0	0
35 - 40	18.8	8	733	-125,362.0	0	0	10,826.1	0	0	0.0	0	0
40 - 45	21.2	8	741	-141,032.3	0	0	12,179.4	0	0	0.0	0	0
45 - 50	23.5	5	455	-156,702.5	0	0	13,532.6	0	0	0.0	0	0
50 - 55	25.9	5	458	-172,372.8	0	0	14,885.9	0	0	0.0	0	0
55 - 60	28.3	4	366	-188,043.0	0	0	16,239.1	0	0	0.0	0	0
60 - 65	30.6	4	318	-203,713.3	0	0	17,592.4	0	0	0.0	0	0
65 - 70	33.0	3	275	-219,383.5	0	0	18,945.7	0	0	0.0	0	0
70 - 75	35.3	3	269	-235,053.8	0	0	20,298.9	0	0	0.0	0	0
75 - 80	37.7	4	344	-250,724.0	0	0	21,652.2	0	0	0.0	0	0
80 - 85	40.0	2	213	-266,394.3	0	0	23,005.5	0	0	0.0	0	0
85 - 90	42.4	2	153	-282,064.5	0	0	24,358.7	0	0	0.0	0	0
90 - 95	44.7	0	0	-297,734.8	0	0	25,712.0	0	0	0.0	0	0
95 - 100	47.1	0	0	-313,405.0	0	0	27,065.2	100	8,760	0.0	0	0
Hours Off	0.0	0	0	0.0	0	7,609	0.0	0	0	0.0	0	8,760

CÁLCULO DE VENTILACIÓN

El cálculo de la ventilación para la renovación de aire exterior viene indicada en la hoja que indica "System Checksums" del Cálculo Térmico.
El cálculo de las extracciones de aire se presenta la siguiente tabla:

ID	DESCRIPCIÓN	AREA m^2	V m^3	VENTILACIÓN ach/mue/mch/m^2	Q_m CALCULO m^3/h	Q_m DISEÑO m^3/h	Q_m DISEÑO cfm	VENT. FINAL	COMENTARIOS
EDIFICIO:	CENTRO DE JUSTICIA PENAL FEDERAL EN CELAYA, GUANAJUATO								
PB	SANITARIO 1	3.34	7.35	20.00	146.96	147	86	20.00	
PB	SANITARIO 2	4.90	10.78	20.00	215.60	216	127	20.00	
PB	SANITARIO MUJERES	15.00	33.00	20.00	660.00	660	388	20.00	
PB	SANITARIO HOMBRES	13.00	28.60	20.00	572.00	572	337	20.00	
PB	SANITARIO DISCAPACITADOS	4.40	9.68	20.00	193.60	194	114	20.00	
PB	ASEO	2.80	6.16	20.00	123.20	123	73	20.00	
PB	SANITARIO VISITAS MUJERES	14.70	32.34	20.00	646.80	647	381	20.00	
PB	SANITARIO VISITAS HOMBRES	14.00	30.80	20.00	616.00	616	363	20.00	
PB	SANITARIO SEGURIDAD	2.50	5.50	20.00	110.00	110	65	20.00	
1N	SANITARIO VE-03	2.90	6.38	20.00	127.60	128	75	20.00	
1N	SANITARIO VE-04	3.10	6.82	20.00	136.40	136	80	20.00	
1N	SANITARIO VE-05	3.00	6.60	20.00	132.00	132	78	20.00	
1N	SANITARIO VE-06	3.10	6.82	20.00	136.40	136	80	20.00	
1N	SANITARIO VE-07	3.00	6.60	20.00	132.00	132	78	20.00	
1N	SANITARIO MUJERES	15.00	33.00	20.00	660.00	660	388	20.00	
1N	SANITARIO HOMBRES	12.90	28.38	20.00	567.60	568	334	20.00	
1N	SANITARIO IMPUTADOS	2.60	5.72	20.00	114.40	114	67	20.00	
1N	SANITARIO CUSTODIOS	3.30	7.26	20.00	145.20	145	85	20.00	
1N	SANITARIO CUSTODIOS ESPERA	3.50	7.70	20.00	154.00	154	91	20.00	
1N	SANITARIO IMPUTADOS RESGUARDO	3.00	6.60	20.00	132.00	132	78	20.00	

SELECCIÓN DE EQUIPOS

El sistema de aire acondicionado y calefacción da servicio a todo el inmueble garantizando las condiciones de confort para los usuarios tanto en verano como en invierno, el cual utiliza tecnología de punta con características que permite el ahorro de energía, el uso refrigerante ecológico R-410 y de alta eficiencia. El objetivo es reducir los costos operativos, el respeto al medio ambiente no dañando la capa de ozono y requieran menor carga de refrigerante en la operación de los equipos.

La tecnología utilizada para estos equipos es por expansión directa y de volumen variable (VRV- variable refrigerant volume) cuyas condensadoras son enfriadas por aire del tipo bomba de calor (heat pump). Todas las unidades condensadoras se conectan al sistema BMS (Bulding Manager System) del inmueble con protocolo abierto BACNET (Building Automation and Control Networks).

Los factores que determinaron la selección de la marca asignada de los equipos fue la eficiencia, garantías, vida útil, tiempos de entrega, disponibilidad de refacciones y servicio técnico.

SISTEMA VRV

System1--UC-PB-A

1.1 Data of ODU--AVWT-364U8SZA

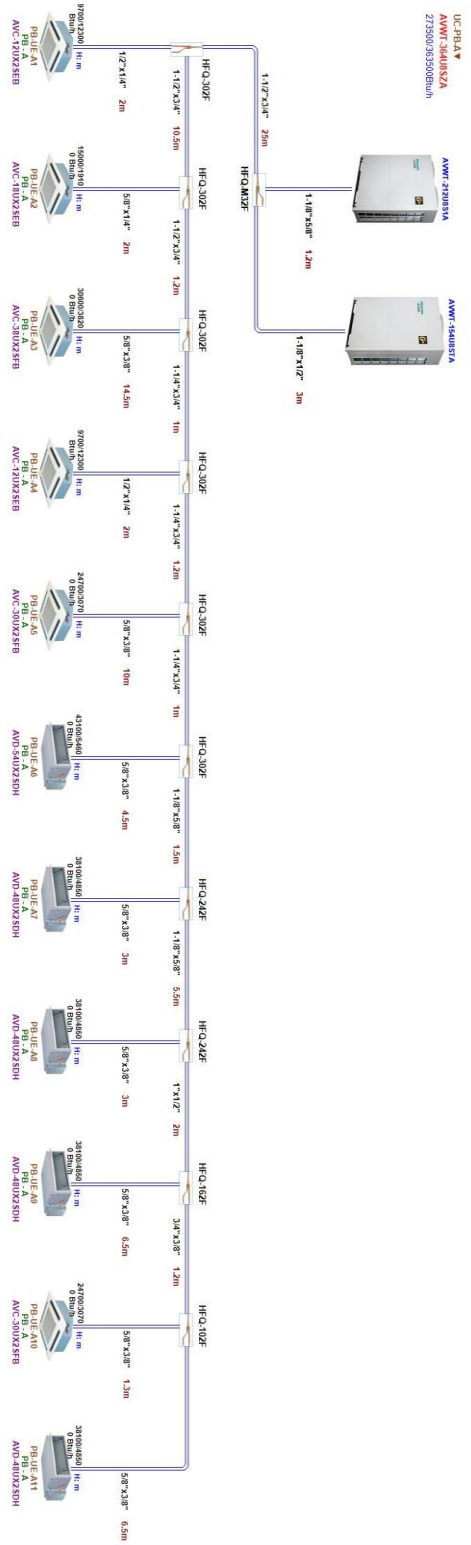
Combination Index(Cooling/Heating)	107.79/110.17 %	Connection Pipe	Gas Pipe(inch)	1-1/2"
Cooling Capacity (Corrected/Rated)(Btu/h)	273500/363500		Liquid Pipe(inch)	3/4"
Heating Capacity (Corrected/Rated)(Btu/h)	342500/406100	Dimension	Width(mm)	1350+1210
Power Supply	AC3Φ, 208V~230V/60Hz		Height(mm)	1730
Power Input(kW)	32.70/31.40		Depth(mm)	750
Weight(Kg)	727	Noise dB(A)		72

1.2 Data of IDU

Picture	Name	Room	Model	Cooling Capacity (Corrected/Rated)(Btu/h)	Heating Capacity (Corrected/Rated)(Btu/h)	Size_HWD (mm)	Weight (kg)	Controller	Power Input (kW)	Noise dB(A)	Airflow (m^3/h)
	PB-UE-A1	PB - A	AVC-12UX2SEB	9700/12300	11500/14300	248*840*840	22	HYXE-J01H	0.05	31-29-27	900
tomamos los valores del ejemplo del cálculo térmico: Qt=7000BTU/Hr, Qs=5300BTU/Hr, 348CFM (591m3/h)											
	PB-UE-A2	PB - A	AVC-18UX2SEB	15000/19100	17800/22200	248*840*840	23	HYXE-J01H	0.05	32-30-27	960
	PB-UE-A3	PB - A	AVC-38UX2SFB	30600/38200	35500/44400	298*840*840	27	HYXE-J01H	0.11	41-38-35	1920
	PB-UE-A4	PB - A	AVC-12UX2SEB	9700/12300	11500/14300	248*840*840	22	HYXE-J01H	0.05	31-29-27	900
	PB-UE-A5	PB - A	AVC-30UX2SFB	24700/30700	27300/34100	298*840*840	24	HYXE-J01H	0.09	36-34-32	1560
	PB-UE-A6	PB - A	AVD-54UX2SDH	43100/54600	49200/61400	350*(1300+75)*800	56	HYXE-J01H	0.41	45-42-38	2200
	PB-UE-A7	PB - A	AVD-48UX2SDH	38100/48500	44600/55600	350*(1300+75)*800	56	HYXE-J01H	0.41	44-41-36	2150
	PB-UE-A8	PB - A	AVD-48UX2SDH	38100/48500	44600/55600	350*(1300+75)*800	56	HYXE-J01H	0.41	44-41-36	2150

	PB-UE-A9	PB - A	AVD-48UX2SDH	38100/48500	44600/55600	350*(1300+75)*800	56	HYXE-J01H	0.41	44-41-36	2150
	PB-UE-A10	PB - A	AVC-30UX2SFB	24700/30700	27300/34100	298*840*840	24	HYXE-J01H	0.09	36-34-32	1560
	PB-UE-A11	PB - A	AVD-48UX2SDH	38100/48500	44600/55600	350*(1300+75)*800	56	HYXE-J01H	0.41	44-41-36	2150

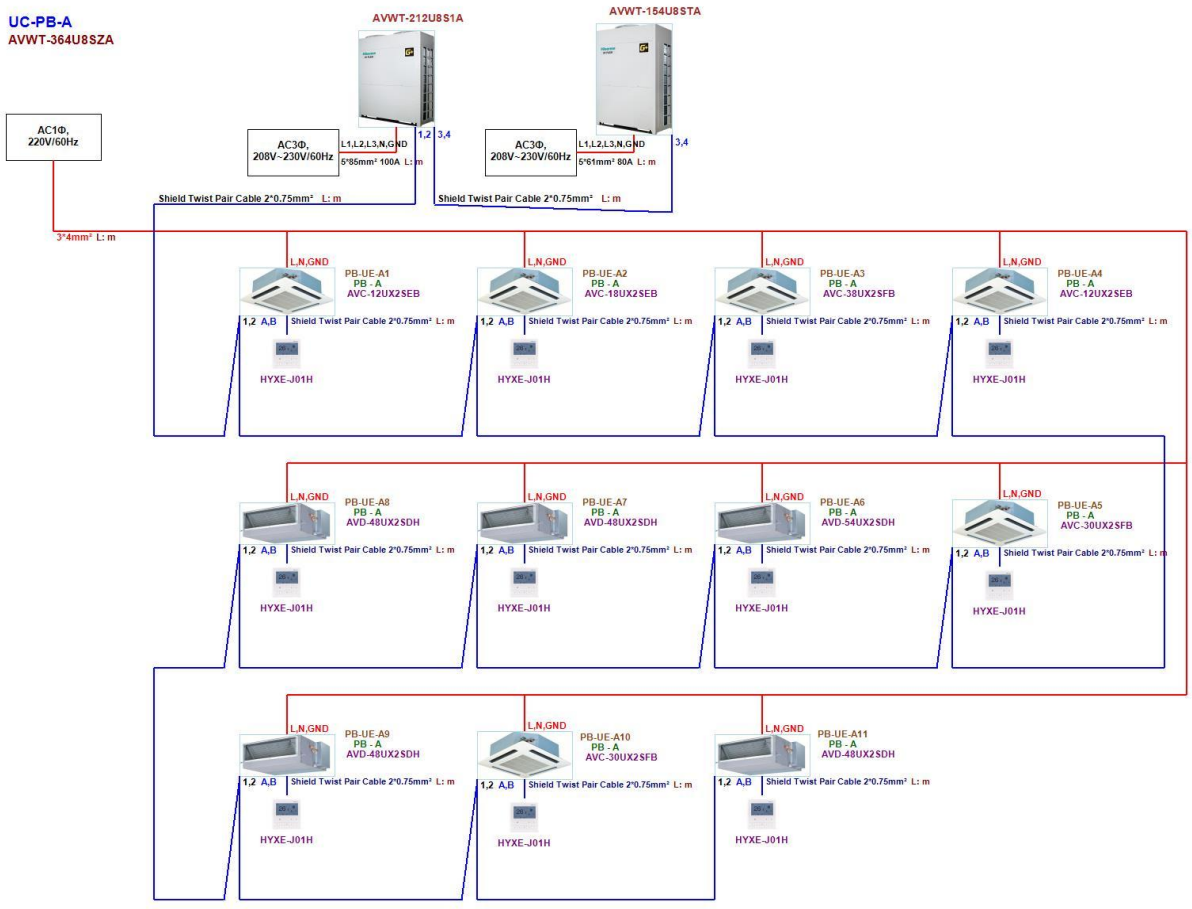
1.3 Piping


UC-PRO
AVWT-3640RSZA
273900/363500Btu/h
AVWT-3420RSTA
AVWT-1540RSTA
HFQ-M32F
1-1/2"x3/4" 25m
1-1/8"x5/8" 1.2m
1-1/8"x1/2" 3m
HFQ-302F
HFQ-242F
HFQ-162F
HFQ-102F
1-1/2"x3/4" 10.5m
1-1/2"x1/4" 2m
1-1/2"x3/4" 1.2m
5/8"x1/4" 2m
1-1/4"x3/4" 14.5m
5/8"x3/8" 1m
1-1/4"x3/4" 2m
1-1/4"x3/4" 1.2m
1-1/4"x3/4" 10m
5/8"x3/8" 1m
1-1/8"x5/8" 4.5m
5/8"x3/8" 1.5m
1-1/8"x5/8" 3m
5/8"x3/8" 5.5m
1"x1/2" 3m
5/8"x3/8" 2m
3/4"x3/8" 6.5m
5/8"x3/8" 1.2m
5/8"x3/8" 1.2m
5/8"x3/8" 6.5m
PBLE-A1
PBLE-A2
PBLE-A3
PBLE-A4
PBLE-A5
PBLE-A6
PBLE-A7
PBLE-A8
PBLE-A9
PBLE-A10
PBLE-A11
AVC-121X2SEB
AVC-181X2SEB
AVC-301X2SFB
AVD-541X2SDH
AVD-481X2SDH

Refrigerant Charged	
Initial Refrigerant Charged:	28.7 kg
To be Provided:	17 kg
Total	45.7 kg

Liquid Pipe (inch)	Length (m)
1/4"	6
3/8"	50.5
1/2"	5
5/8"	8.2
3/4"	39.9

1.4 Wiring



2 System2--UC-PB-B

2.1 Data of ODU--AVWT-340U8SZA

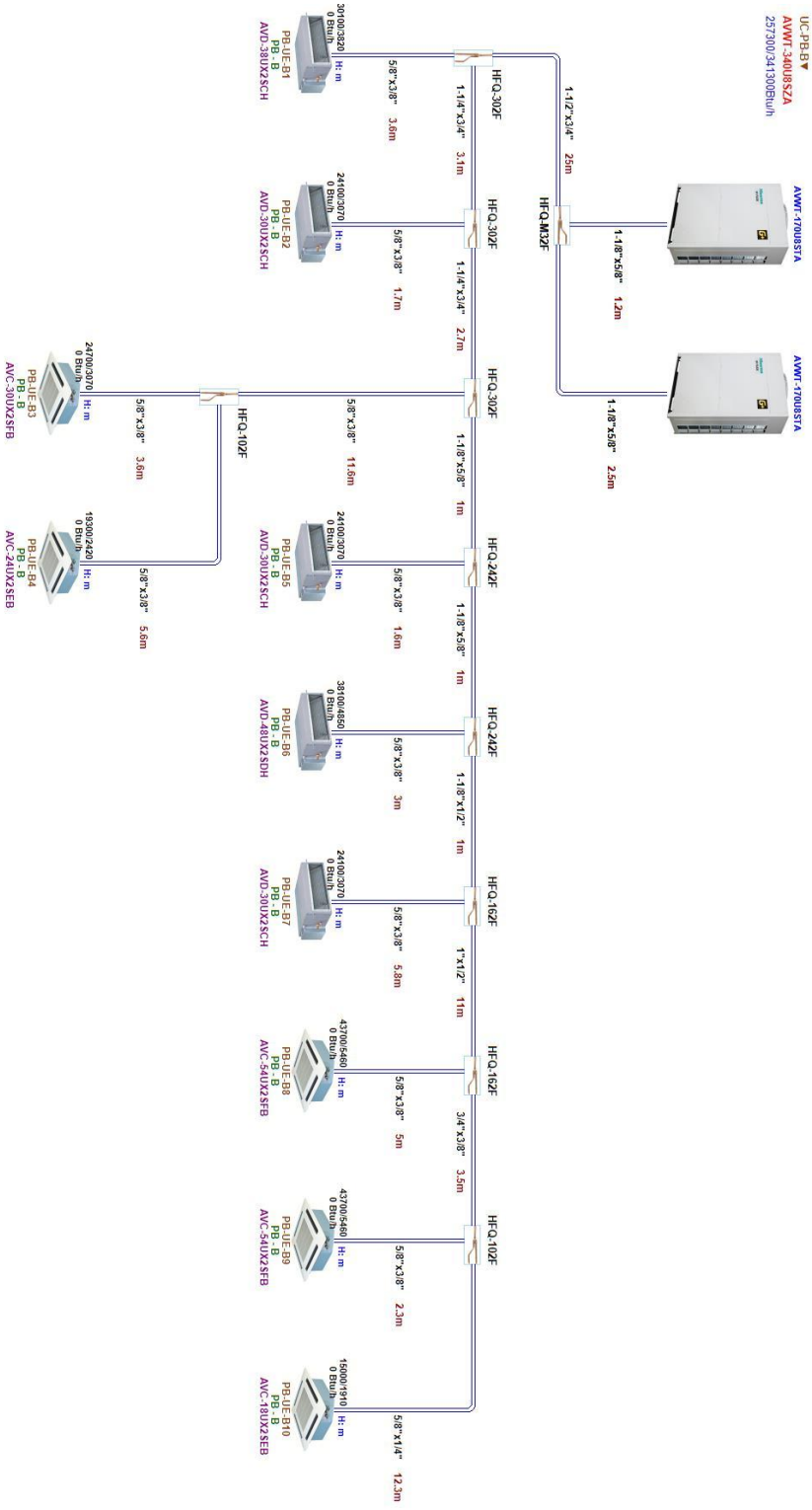
Combination Index(Cooling/Heating)	106.1/107.41%	Connection Pipe	Gas Pipe(inch)	1-1/2"
Cooling Capacity (Corrected/Rated)(Btu/h)	257300/341300		Liquid Pipe(inch)	3/4"
Heating Capacity (Corrected/Rated)(Btu/h)	317900/382200	Dimension	Width(mm)	1210+1210
Power Supply	AC3Φ, 208V~230V/60Hz		Height(mm)	1730
Power Input(kW)	28.74/27.93		Depth(mm)	750
Weight(Kg)	666	Noise dB(A)		72

2.2 Data of IDU

Picture	Name	Room	Model	Cooling Capacity (Corrected/Rated)(Btu/h)	Heating Capacity (Corrected/Rated)(Btu/h)	Size_HWD (mm)	Weight (kg)	Controller	Power Input (kW)	Noise dB(A)	Airflow (m^3/h)
	PB-UE-B1	PB - B	AVD-38UX2SCH	30100/38200	35500/44400	350*(900+75)*800	44	HYXE-J01H	0.29	43-40-36	1550
	PB-UE-B2	PB - B	AVD-30UX2SCH	24100/30700	27300/34100	350*(900+75)*800	44	HYXE-J01H	0.29	41-39-34	1550
	PB-UE-B3	PB - B	AVC-30UX2SFB	24700/30700	27300/34100	298*840*840	24	HYXE-J01H	0.09	36-34-32	1560
	PB-UE-B4	PB - B	AVC-24UX2SEB	19300/24200	23200/29000	248*840*840	23	HYXE-J01H	0.06	33-31-29	1200

	PB-UE-B5	PB - B	AVD-30UX2SCH	24100/30700	27300/34100	350*(900+75)*800	44	HYXE-J01H	0.29	41-39-34	1550
	PB-UE-B6	PB - B	AVD-48UX2SDH	38100/48500	44600/55600	350*(1300+75)*800	56	HYXE-J01H	0.41	44-41-36	2150
	PB-UE-B7	PB - B	AVD-30UX2SCH	24100/30700	27300/34100	350*(900+75)*800	44	HYXE-J01H	0.29	41-39-34	1550
	PB-UE-B8	PB - B	AVC-54UX2SFB	43700/54600	49200/61400	298*840*840	27	HYXE-J01H	0.15	44-42-38	2220
	PB-UE-B9	PB - B	AVC-54UX2SFB	43700/54600	49200/61400	298*840*840	27	HYXE-J01H	0.15	44-42-38	2220
	PB-UE-B10	PB - B	AVC-18UX2SEB	15000/19100	17800/22200	248*840*840	23	HYXE-J01H	0.05	32-30-27	960

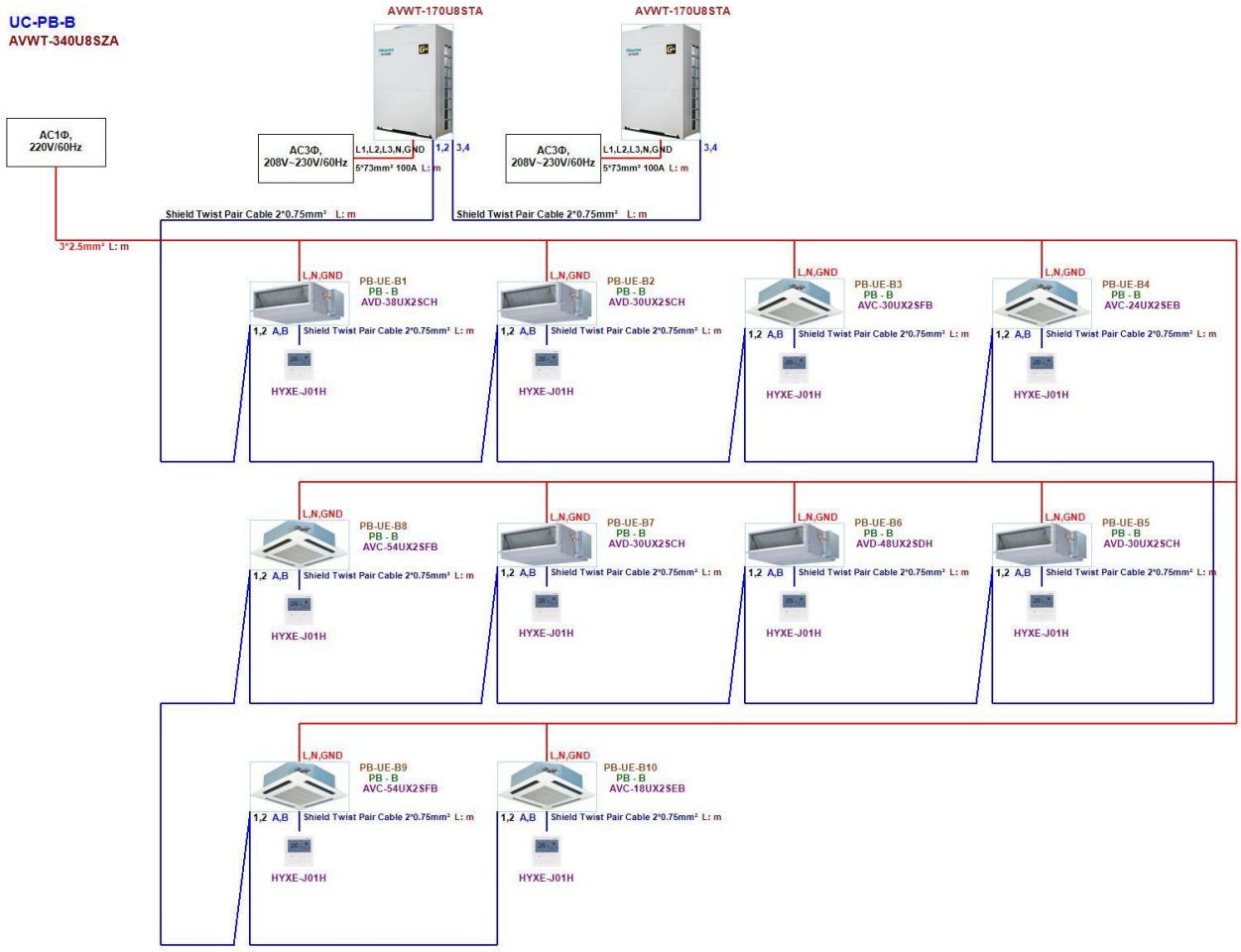
2.3 Piping


OC-PB-B▼
AVWT-340U8SZA
25730/34130Btu/h
AVWT-170U8STA
AVWT-170U8STA
1-1/2"x3/4" 25m
1-1/8"x5/8" 1.2m
1-1/8"x5/8" 2.5m
HFQ-M32F
HFQ-302F
HFQ-302F
HFQ-302F
HFQ-242F
HFQ-242F
HFQ-162F
HFQ-162F
HFQ-102F
HFQ-102F
1-1/4"x3/4" 3.1m
1-1/4"x3/4" 2.7m
1-1/8"x5/8" 1m
1-1/8"x5/8" 1m
1-1/8"x1/2" 1m
1"x1/2" 11m
3/4"x3/8" 3.5m
5/8"x1/4" 12.3m
5/8"x3/8" 11.6m
5/8"x3/8" 3.6m
5/8"x3/8" 5.6m
30100/3820 Btu/h
PB-UE-B1
PB - B
AVD-30UX2SCH
24100/3070 Btu/h
PB-UE-B2
PB - B
AVD-30UX2SCH
24700/3070 Btu/h
PB-UE-B3
PB - B
AVC-30UX2SFB
19300/2420 Btu/h
PB-UE-B4
PB - B
AVC-24UX2SEB
24100/3070 Btu/h
PB-UE-B5
PB - B
AVD-30UX2SCH
38100/4850 Btu/h
PB-UE-B6
PB - B
AVD-48UX2SDH
24100/3070 Btu/h
PB-UE-B7
PB - B
AVD-30UX2SCH
43700/5460 Btu/h
PB-UE-B8
PB - B
AVC-54UX2SFB
43700/5460 Btu/h
PB-UE-B9
PB - B
AVC-54UX2SFB
15000/1910 Btu/h
PB-UE-B10
PB - B
AVC-18UX2SEB
5/8"x3/8" 5m
5/8"x3/8" 2.3m
5/8"x3/8" 1.7m
5/8"x3/8" 1.6m
5/8"x3/8" 3m
5/8"x3/8" 5.8m
H: m

Refrigerant Charged	
Initial Refrigerant Charged:	27.4 kg
To be Provided:	14.9 kg
Total	42.3 kg

Liquid Pipe (inch)	Length (m)
1/4"	12.3
3/8"	47.3
1/2"	12
5/8"	5.7
3/4"	30.8

2.4 Wiring



3 System3--UC-1N-A

3.1 Data of ODU--AVWT-382U8SZA

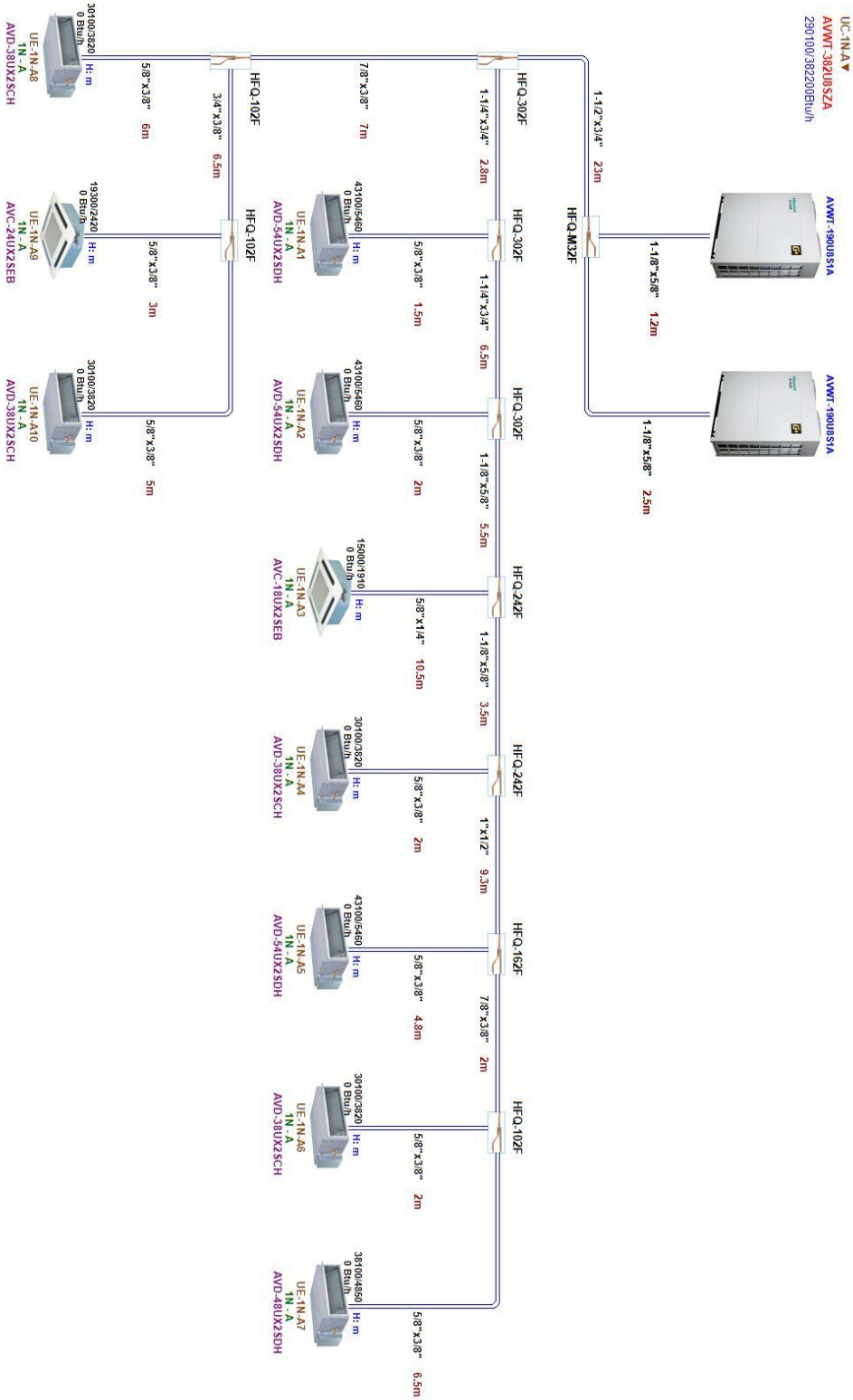
Combination Index(Cooling/Heating)	106.88/108.97 %	Connection Pipe	Gas Pipe(inch)	1-1/2"
Cooling Capacity (Corrected/Rated)(Btu/h)	290100/382200		Liquid Pipe(inch)	3/4"
Heating Capacity (Corrected/Rated)(Btu/h)	360400/430000	Dimension	Width(mm)	1350+1350
Power Supply	AC3Φ, 208V~230V/60 Hz		Height(mm)	1730
Power Input(kW)	32.84/32.81		Depth(mm)	750
Weight(Kg)	788	Noise dB(A)		74

3.2 Data of IDU

Picture	Name	Room	Model	Cooling Capacity (Corrected/Rated)(Btu/h)	Heating Capacity (Corrected/Rated)(Btu/h)	Size_HWD (mm)	Weight (kg)	Controller	Power Input (kW)	Noise dB(A)	Airflow (m^3/h)
	UE-1N-A1	1N - A	AVD-54UX2SDH	43100/54600	49200/61400	350*(1300+75)*800	56	HYXE-J01H	0.41	45-42-38	2200
	UE-1N-A2	1N - A	AVD-54UX2SDH	43100/54600	49200/61400	350*(1300+75)*800	56	HYXE-J01H	0.41	45-42-38	2200
	UE-1N-A3	1N - A	AVC-18UX2SEB	15000/19100	17800/22200	248*840*840	23	HYXE-J01H	0.05	32-30-27	960
	UE-1N-A4	1N - A	AVD-38UX2SCH	30100/38200	35500/44400	350*(900+75)*800	44	HYXE-J01H	0.29	43-40-36	1550

	UE-1N-A5	1N - A	AVD-54UX2SDH	43100/54600	49200/61400	350*(1300+75)*800	56	HYXE-J01H	0.41	45-42-38	2200
	UE-1N-A6	1N - A	AVD-38UX2SCH	30100/38200	35500/44400	350*(900+75)*800	44	HYXE-J01H	0.29	43-40-36	1550
	UE-1N-A7	1N - A	AVD-48UX2SDH	38100/48500	44600/55600	350*(1300+75)*800	56	HYXE-J01H	0.41	44-41-36	2150
	UE-1N-A8	1N - A	AVD-38UX2SCH	30100/38200	35500/44400	350*(900+75)*800	44	HYXE-J01H	0.29	43-40-36	1550
	UE-1N-A9	1N - A	AVC-24UX2SEB	19300/24200	23200/29000	248*840*840	23	HYXE-J01H	0.06	33-31-29	1200
	UE-1N-A10	1N - A	AVD-38UX2SCH	30100/38200	35500/44400	350*(900+75)*800	44	HYXE-J01H	0.29	43-40-36	1550

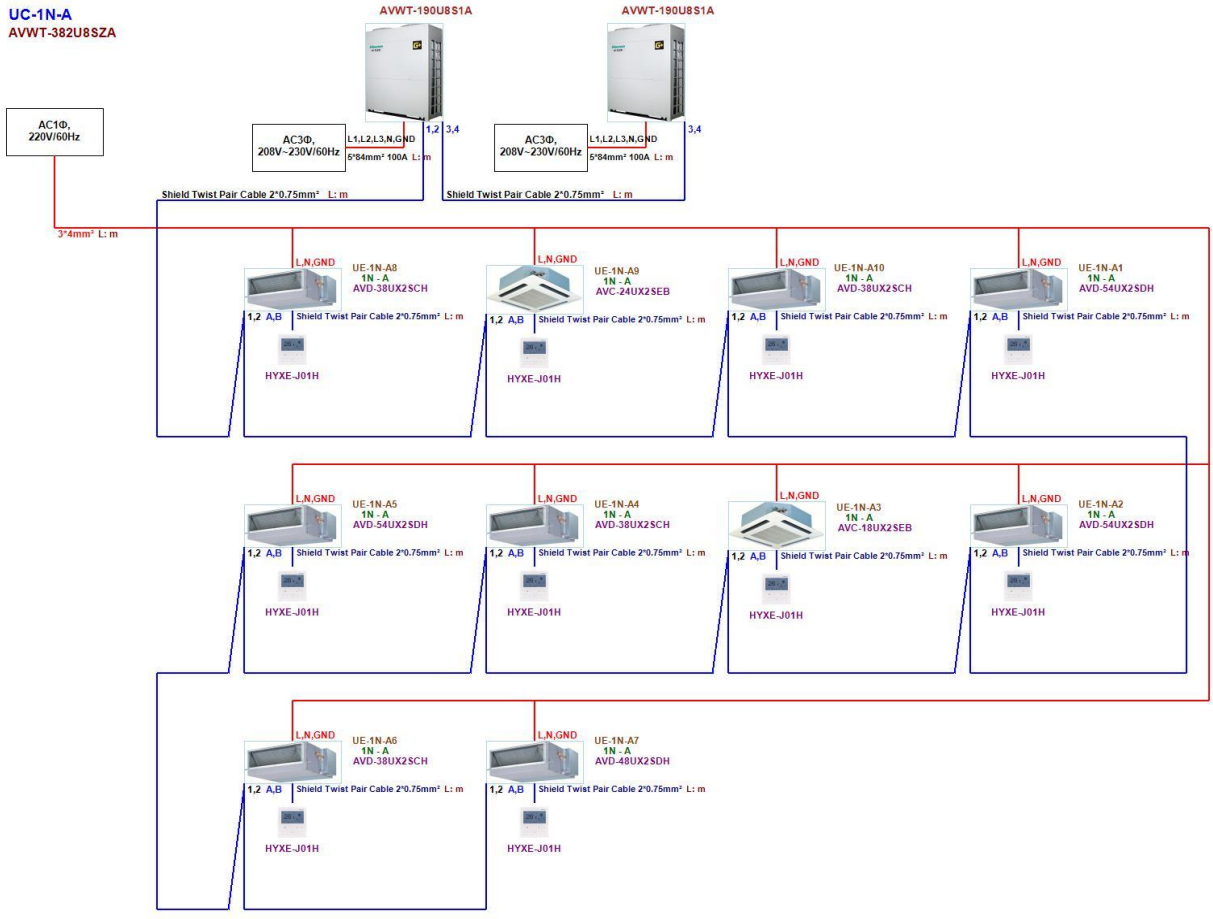
3.3 Piping


UC-1N-A
AVWT-382U8SZA
290100/382200Btu/h
AVWT-190U8S1A
AVWT-190U8S1A
1-1/2"x3/4" 23m
HFQ-M32F
1-1/8"x5/8" 1.2m
1-1/8"x5/8" 2.5m
HFQ-302F
HFQ-302F
HFQ-302F
HFQ-242F
HFQ-242F
HFQ-162F
HFQ-102F
1-1/4"x3/4" 2.8m
1-1/4"x3/4" 6.5m
1-1/8"x5/8" 5.5m
1-1/8"x5/8" 3.5m
1"x1/2" 9.3m
7/8"x3/8" 2m
5/8"x3/8" 2m
5/8"x1/4" 10.5m
5/8"x3/8" 2m
5/8"x3/8" 4.8m
5/8"x3/8" 2m
5/8"x3/8" 6.5m
HFQ-102F
HFQ-102F
7/8"x3/8" 7m
5/8"x3/8" 1.5m
5/8"x3/8" 2m
3/4"x3/8" 6.5m
5/8"x3/8" 6m
5/8"x3/8" 3m
5/8"x3/8" 5m
30100/3820 0 Btu/h
UE-1N-A8
1N - A
AVD-38UX2SCH
43100/5460 0 Btu/h
UE-1N-A1
1N - A
AVD-54UX2SDH
15000/1910 0 Btu/h
UE-1N-A3
1N - A
AVC-18UX2SEB
30100/3820 0 Btu/h
UE-1N-A4
1N - A
AVD-38UX2SCH
43100/5460 0 Btu/h
UE-1N-A5
1N - A
AVD-54UX2SDH
30100/3820 0 Btu/h
UE-1N-A6
1N - A
AVD-38UX2SCH
38100/4850 0 Btu/h
UE-1N-A7
1N - A
AVD-48UX2SDH
19300/2420 0 Btu/h
UE-1N-A9
1N - A
AVC-24UX2SEB
43100/5460 0 Btu/h
UE-1N-A2
1N - A
AVD-54UX2SDH
30100/3820 0 Btu/h
UE-1N-A10
1N - A
AVD-38UX2SCH
H: m

Refrigerant Charged	
Initial Refrigerant Charged:	31.4 kg
To be Provided:	16.3 kg
Total	47.7 kg

Liquid Pipe (inch)	Length (m)
1/4"	10.5
3/8"	48.3
1/2"	9.3
5/8"	12.7
3/4"	32.3

3.4 Wiring



System4--UC-1N-B

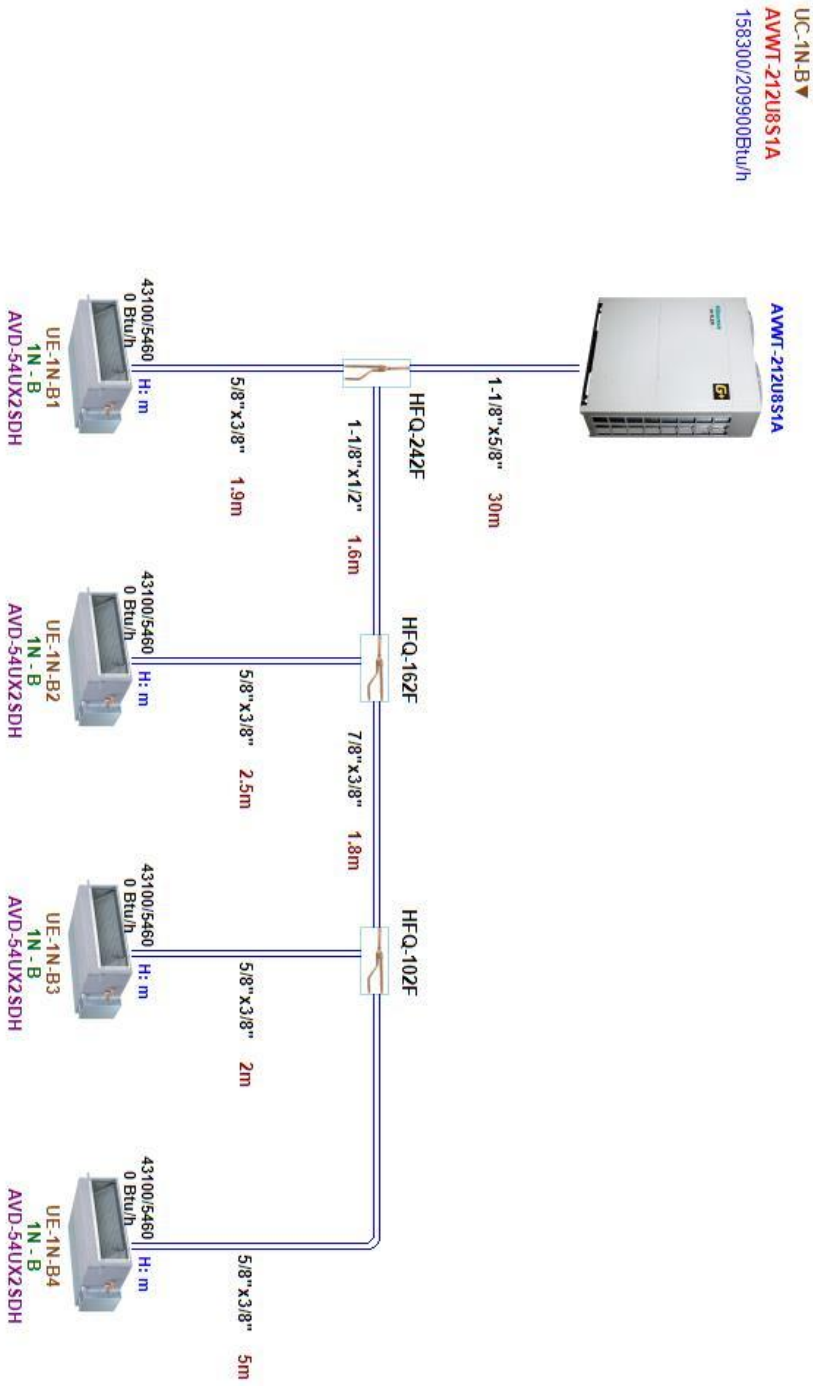
4.1 Data of ODU--AVWT-212U8S1A

Combination Index(Cooling/Heating)	104.07/104.35 %	Connection Pipe	Gas Pipe(inch)	1-1/8"
Cooling Capacity (Corrected/Rated)(Btu/h)	158300/209900		Liquid Pipe(inch)	5/8"
Heating Capacity (Corrected/Rated)(Btu/h)	193000/235500	Dimension	Width(mm)	1350
Power Supply	AC3Φ, 208V~230V/60 Hz		Height(mm)	1730
Power Input(kW)	20.10/19.11		Depth(mm)	750
Weight(Kg)	395	Noise dB(A)		69

4.2 Data of IDU

Picture	Name	Room	Model	Cooling Capacity (Corrected/Rated)(Btu/h)	Heating Capacity (Corrected/Rated)(Btu/h)	Size_HWD (mm)	Weight (kg)	Controller	Power Input (kW)	Noise dB(A)	Airflow (m^3/h)
	UE-1N-B1	1N - B	AVD-54UX2SDH	43100/54600	49200/61400	350*(1300+75)*800	56	HYXE-J01H	0.41	45-42-38	2200
	UE-1N-B2	1N - B	AVD-54UX2SDH	43100/54600	49200/61400	350*(1300+75)*800	56	HYXE-J01H	0.41	45-42-38	2200
	UE-1N-B3	1N - B	AVD-54UX2SDH	43100/54600	49200/61400	350*(1300+75)*800	56	HYXE-J01H	0.41	45-42-38	2200
	UE-1N-B4	1N - B	AVD-54UX2SDH	43100/54600	49200/61400	350*(1300+75)*800	56	HYXE-J01H	0.41	45-42-38	2200

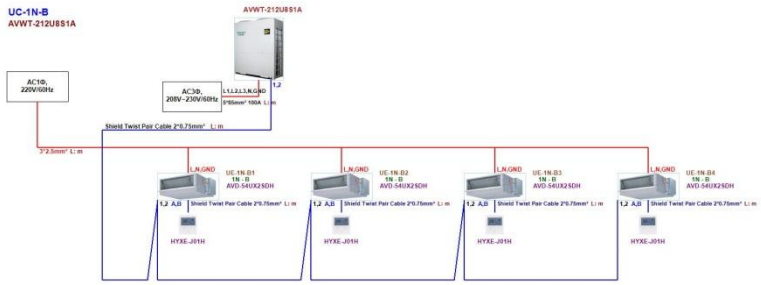
4.3 Piping


UC-1N-B▼
AWWT-212U8S1A
158300/209900Btu/h
AWWT-212U8S1A
1-1/8"x5/8" 30m
HFQ-242F
1-1/8"x1/2" 1.6m
HFQ-162F
7/8"x3/8" 1.8m
HFQ-102F
5/8"x3/8" 5m
5/8"x3/8" 1.9m
5/8"x3/8" 2.5m
5/8"x3/8" 2m
43100/54600 Btu/h
H: m
UE-1N-B1
1N - B
AVD-54UX2SDH
UE-1N-B2
UE-1N-B3
UE-1N-B4

Refrigerant Charged	
Initial Refrigerant Charged:	16.2 kg
To be Provided:	7.2 kg
Total	23.4 kg

Liquid Pipe (inch)	Length (m)
3/8"	13.2
1/2"	1.6
5/8"	30

4.4 Wiring



4.Central Control

EQUIPO DE PRECISIÓN

Prepared on:
Project: EV-1118-17
Worksheet: CONSEJO DE LA JUDICATURA

Evaporator Section

	GTAD-02832-AO	GT AIR DOWNFLOW 28KW 3PH 208-230 V W/DRCU
	Evap. Tag #:	
	Quantity:	2
	Voltage:	208
	Phase:	3
	Hertz:	60
	Color:	COLOR-BLACK
Cabinet Data:		
	Configuration:	Downflow
	Depth (in.):	40.50
	Length (in.):	53.50
	Height (in.):	78.00
	Shipping Weight (lbs):	875
Entering Air Conditions:	**Entering Air DB (°F):**	75.0
	Entering Air WB (°F):	61.0
	Relative Humidity (%):	45.0
	Altitude (ft):	0
Evaporator Coil		
	Face Area (sq ft):	12.20
	Face Velocity (ft/min)	360.7
	Rows:	3
	Fins per (in.):	12.0
	Fin Type:	Aluminum
Calculated Data		
	Gross Total Capacity (Btu/hr):	102,400
	Gross Sensible Capacity (Btu/hr):	98,600
	Net Total Capacity (Btu/hr):	93,200
	Net Sensible Capacity	89,500
	Air Out Dry Bulb (°F):	56.2
	Air Out Wet Bulb (°F):	53.6
Evaporator EC Plug	**CFM:**	4,400
	ESP (inch of water):	0.50
	Motor Horsepower:	3.6
	Motor FLA:	8.0
	Motor Quantity:	1
	Blower Quantity:	1
	Air Flow:	Optional Airflow
	Plug Fan (mm)/Motor (kW):	500mm 2.8kW
Humidifier:	**Type:**	Steam Generator
	Capacity in (Lbs/hr):	10.0
	kW:	3.4

*** Net Coil Capacity equals gross capacity minus motor heat.**

parámetros principales para la selección del equipo (de cálculo térmico: Qt=92900BTU/Hr, Qs=91800BTU/Hr, caudal de aire=5013CFM, TBS=55°F,TBH=50.6°F)

Prepared on: November 23, 2017 **Updated on:** 11/23/2017

Reheat:

Type:	Electric
Capacity (BTU/hr):	45,700
kW:	13.4

Filters:

	Size 1	Size 2
Quantity:	2	2
Size (inches):	16" x 25" x 4"	20" x 25" x 4"
Efficiency:	MERV 8	MERV 8

Connection Sizes:

Liquid Line (in. Nom.):	5/8
Suction Line (in. Nom.):	1 3/8
Condensate (in. Nom.):	3/4
Humidifier (in. Nom.):	1/4

Electrical Data:

Unit Total Amps:	49.6
Unit MCA:	62.0
Unit MOP:	70

Controls:

dap4 Microprocessor Controller

Accessories:

Model Number: GTAD-02832-AO GT AIR DOWNFLOW 28KW 3PH 208-230 V W/DRCU
Tag Number:

Qty	Option	Description
2	OPT-5000	15KW Electric Reheat, 208/230V
2	OPT-7310	dap4
2	OPT-6511	Plug Fan, 500 mm 2.8 kW, qty 1
2	OPT-6612	Nominal Capacity 28 kW
2	OPT-5221	3 Phase
2	OPT-5062	Voltage 208V
2	OPT-6750	Liquid Line Solenoid Valve, 1/2", Single Circuit
2	OPT-5047	Black
2	OPT-5357	Evaporator Coil
2	OPT-5760	Air Flow - Optional #1
2	OPT-6854	MERV 8 Efficient Filters
2	OPT-81-230V	10 lb/hr Steam Humidifier
2	OPT-6026	Refrigerant R-410A
2	OPT-5823	CIRCUIT-SINGLE
2	OPT-7673	idap card for dap4/mini dap4
2	OPT-7327	Zone Master, dap4

Prepared on: November 23, 2017 **Updated on:** 11/23/2017

Remote Condensing Unit

Model #: GHCU-03232
gFORCE OUTDOOR REMOTE CONDENSING UNIT 32 kW 3 PH 208-230 V
HE Tag #:

Qty:	2
Ambient:	95
Altitude (ft):	0
Voltage:	208
Phase:	3

Electrical Section

FLA:	35.9
MCA:	44.0
MOP:	70.0

Compressor:

Type:	Scroll
Number:	1
Refrigerant Type:	REFRIGERANT, R-410A
FLA:	32.6

Connection Sizes

Liquid (in. Nom.):	1/2
Suction (in. Nom.):	3/4

Condenser EC Axial Fan

Num Of Motors:	1
Number Of Fans:	1
HP	1.5
Motor FLA:	3.28
CFM:	4,800
RPM:	1,400

Dimensions

Depth (in.):	58.5
Length (in.):	48.5
Height (in.):	44.00

Weight

Shipping Weight (lbs):	610

Remote Condensing Unit Accessories

Model Number: GHCU-03232
Tag Number:

Qty	Option	Description
2	OPT-6145	Single Scroll Compressor
2	OPT-7716	Frequency - 60 Hz
2	OPT-5958	Ambient 95
2	OPT-5221	3 Phase
2	OPT-6100	HEAT EXCHANGER QTY - 1
2	OPT-5062	Voltage 208V
2	OPT-5823	CIRCUIT-SINGLE
2	OPT-5906	Condenser Coil
2	OPT-6026	Refrigerant R-410A

VENTILADOR DE INYECCIÓN DE AIRE

CDAFH

CDAFH-18/18-1,5HP/4-450RPM-(208-230~3)

Unidades de ventilación diseñadas para la inyección y extracción de aire con etapas de filtación en descarga horizontal; su estructura está fabricada en lámina de acero galvanizada que la hacen un conjunto ideal para instalaciones en intemperie, marca S&P, modelo CDAFH-18/18-1,5HP/4-450rpm-(208-230~3), con caudal 3.167 cfm y presión 0,416 Inwg.

la renovación de aire es la suma de todos los sistemas

Referencia producto: VI-01

Punto requerido

Caudal	3.105 cfm
Presión Estática	0,400 Inwg
Temperatura	30 °C
Altitud	1752 m
Densidad	0,95 Kg / m³
Frecuencia	60 Hz
Tensión	208-230~3

Punto de trabajo

Caudal	3.167 cfm
Presión estática	0,416 Inwg @ 0,95 kg/m³
Presión dinámica	0,057 Inwg @ 0,95 kg/m³
Presión total	0,473 Inwg @ 0,95 kg/m³
Potencia útil	0,430 Hp @ 0,95 kg/m³
Velocidad descarga	5,5 m/s
Velocidad ventilador	450 rpm
Potencia específica	0,34 W/l/s

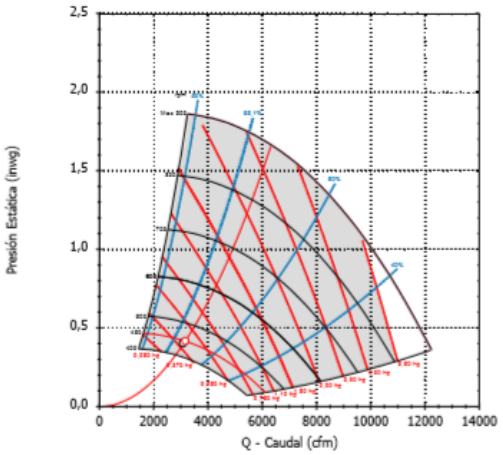
Construcción

Tamaño ventilador	18/18
Diámetro	0
Peso	190,91 kg

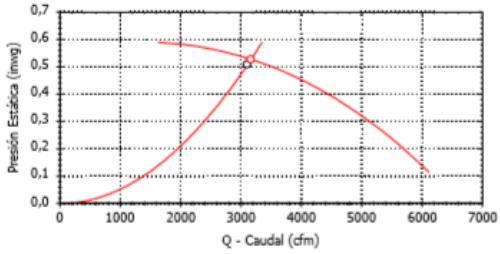
Características del motor

Número de Polos	4
Potencia motor	1,5
Velocidad motor	1755 rpm
Tensión	3-208-230/460V-60Hz
Intensidad máxima absorbida	4,3 A / 2,2 A
Índice de protección	IP54
Clase motor	B

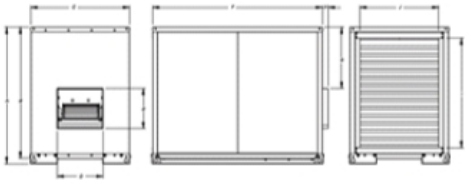
Curva



Curva (1,204 Kg / m³)



Dimensiones



Características acústicas

	63	125	250	500	1k	2k	4k	8k	Total
Aspiración (LwA)	50	49	52	52	56	55	52	39	61
Aspiración LpA @ 1,5m	35	34	37	37	41	40	37	24	47
Descarga (LwA)	61	60	63	63	67	66	63	50	72
Descarga LpA @ 1,5m	46	45	48	48	52	51	48	35	58

VENTILADOR DE EXTRACCIÓN DE AIRE

CRHL-T

CRHL-T-18-0,5HP/4-1125RPM-(208-230~3)

CRHL-T Extractor centrífugo de montaje en techo, con descarga horizontal, marca S&P, modelo CRHL-T-18-0,5HP/4-1125rpm-(208-230~3), con caudal 2.904 cfm y presión 0,451 Inwg. Cuentan con material en aluminio rechazado.

Referencia producto: VE-01

Punto requerido

Caudal	2.900 cfm
Presión Estática	0,450 Inwg
Temperatura	30 °C
Altitud	1752 m
Densidad	0,95 Kg / m³
Frecuencia	60 Hz
Tensión	208-230~3

Punto de trabajo

Caudal	2.904 cfm
Presión estática	0,451 Inwg @ 0,95 kg/m³
Presión dinámica	0,086 Inwg @ 0,95 kg/m³
Presión total	0,537 Inwg @ 0,95 kg/m³
Presión estática estándar	0,571 Inwg @ 1,2 kg/m³
Presión dinámica estándar	0,109 Inwg @ 1,2 kg/m³
Presión total estándar	0,680 Inwg @ 1,2 kg/m³
Pot Elect absorbida	0,432 hp
Rend Total	57,9 %
Potencia útil	0,425 Hp @ 0,95 kg/m³
Potencia útill estándar	0,538 Hp @ 1,2 kg/m³
Rend Estático	48,7 %
Velocidad descarga	6,7 m/s
Velocidad aspiración	9,5 m/s
Velocidad ventilador	1125 rpm
Potencia específica	0,37 W/l/s

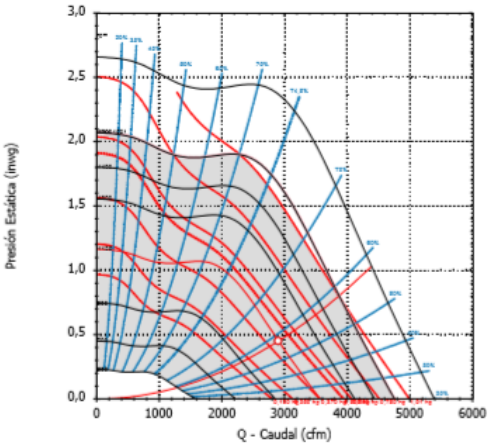
Construcción

Diámetro	18 mm
Tamaño ventilador	18
Peso	46,68 kg

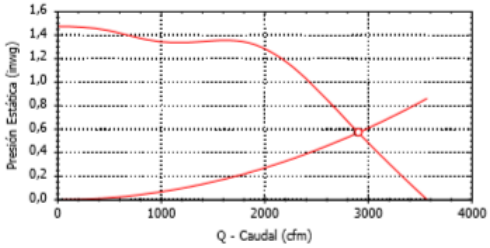
Características del motor

Número de Polos	4
Potencia motor	0,5
Tensión	3-208-230/460V-60Hz
Intensidad máxima absorbida	1,9 A / 1,0 A
Índice de protección	IP21
Clase motor	B

Curva



Curva (1,204 Kg / m³)



Características acústicas

	63	125	250	500	1k	2k	4k	8k	Total
Descarga (LwA)	73	73	73	73	73	73	73	73	82
Descarga LpA @ 1,5m	58	58	58	58	58	58	58	58	68

CONCLUSIONES

Las conclusiones del presente trabajo son:

La aplicación de las nuevas tecnologías de sistemas de aire acondicionado y calefacción con refrigerante de volumen variable (VRV) con refrigerante ecológico, dan como resultado un ahorro de energía a cargas térmicas parciales, la ventaja de llevar un solo recorrido de tuberías de cobre e ir distribuyendo a las evaporadoras la tubería con el diámetro correspondiente.

El Poder Judicial de la Federación tiene muy claro las necesidades del nuevo Sistema Procesal Penal Acusatorio en cada entidad y en este caso se aplicaron condensadoras del tipo bomba de calor (Heat Pumps), en donde el sistema VRV podrá satisfacer las demandas del inmueble ya sea en modo enfriamiento o modo calefacción.

La ventaja de contar con un sistema de comunicación de monitoreo y control del sistema VRV enlazado al BMS del inmueble podrá ser manipulado desde un solo punto sin la necesidad de posicionarse en cada una de la condesadoras, se podrá ajustar los puntos de ajuste de cada unidad evaporadora, se podrá programar sus rutinas de mantenimiento, entre otras cualidades técnicas que le dan ventaja ante un sistema convencional de aire acondicionado por medio de un sistema de expansión directa (Dx).

Para el caso de las oficinas de titulares, cuarto de monitoreo se tienen sistemas Dx independientes conectados eléctricamente al sistema emergencia debido a la importancia de mantener funcional esas áreas. El mismo caso se aplico para el cuarto del Site con un sistema Dx, en donde las variables más notorias fueron el control con precisión de temperatura y humedad; con un equipo redundante de la misma capacidad y con una tarjeta de comunicación DAP4 que permite la comunicación entre las dos unidades y el BMS para su efectivo monitoreo y control.

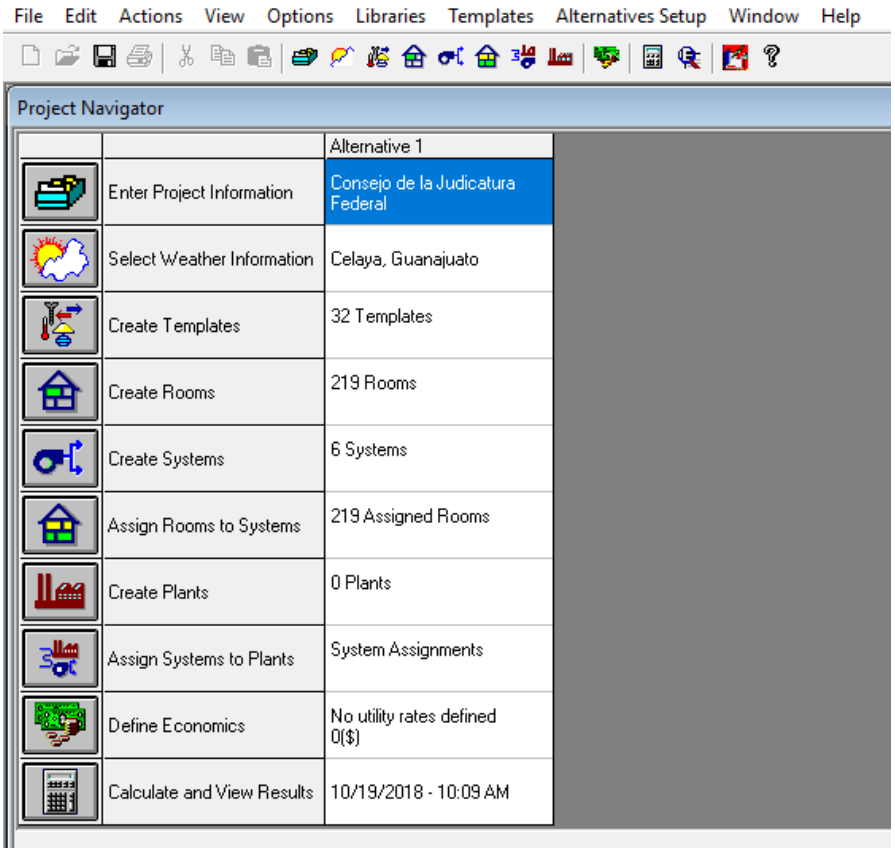
La renovación de aire es por medio de ventiladores que distribuye el aire a los puntos más cercanos a cada evaporador y se operan por medio un "timer" alojado en el cuarto de control; lo mismo ocurre para los ventiladores de extracción de aire. El monitoreo del estos ventiladores es por medio de una "dona" de corriente eléctrica la cual nos indica si los equipos están en operación.

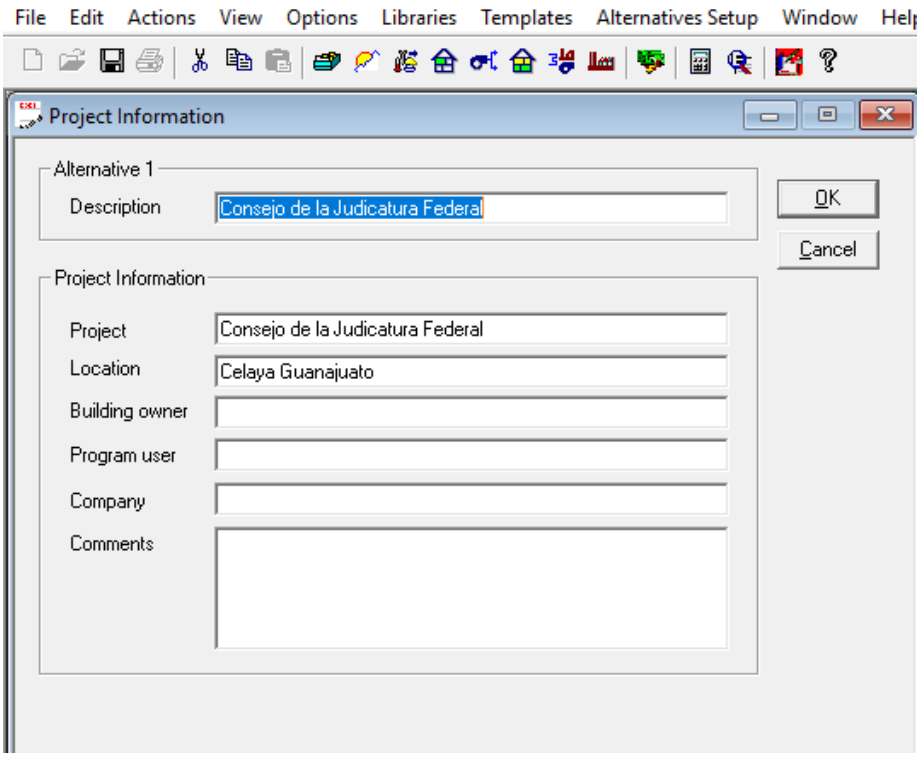
La experiencia obtenida en este proyecto fue la facilidad de modelar los sistemas VRV por medio del software del fabricante obteniendo grandes ahorros de tiempo en su implementación sin la necesidad de seleccionar manualmente a cada uno de sus dispositivos necesarios para su óptima operación.

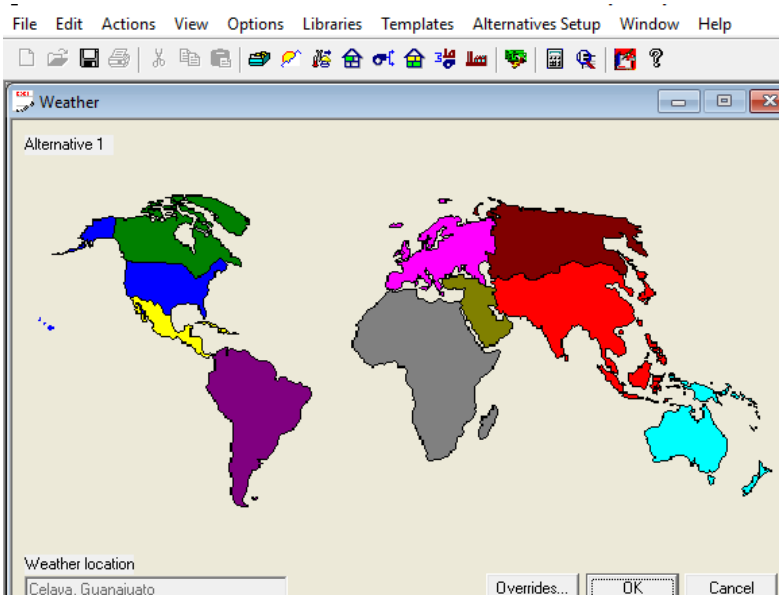
ANEXOS

ANEXOS 1.- se anexan planos que nos indican cómo fue su distribución de las unidades de acuerdo a los requerimientos arquitectónicos del inmueble.

ANEXOS 2.- Software Tracer 700, plantillas para dar de alta el inmueble.







Weather Overrides

Summer Design Cooling

	User Override	Standard Default	ASHRAE MaxDB/MCWB 0.4%	1%	2%	
Dry bulb	100	100	92.8	91.6	91.2	°F
Wet bulb	68	68	80.3	79.8	79.6	°F

☐ Weather overrides apply to entire year?

Winter Design Heating

	User Override	Standard Default	99.6%	99%	
Dry bulb	32	32	67.6	69.4	°F

Optional Direct Dehumidification Weather

	None	ASHRAE MaxDP/MCDB 0.4%	1%	2%	
Dry bulb		88.2	86.7	86.3	°F
Wet bulb		82.2	81	80.6	°F
Dew point		80.3	79.1	78.8	°F

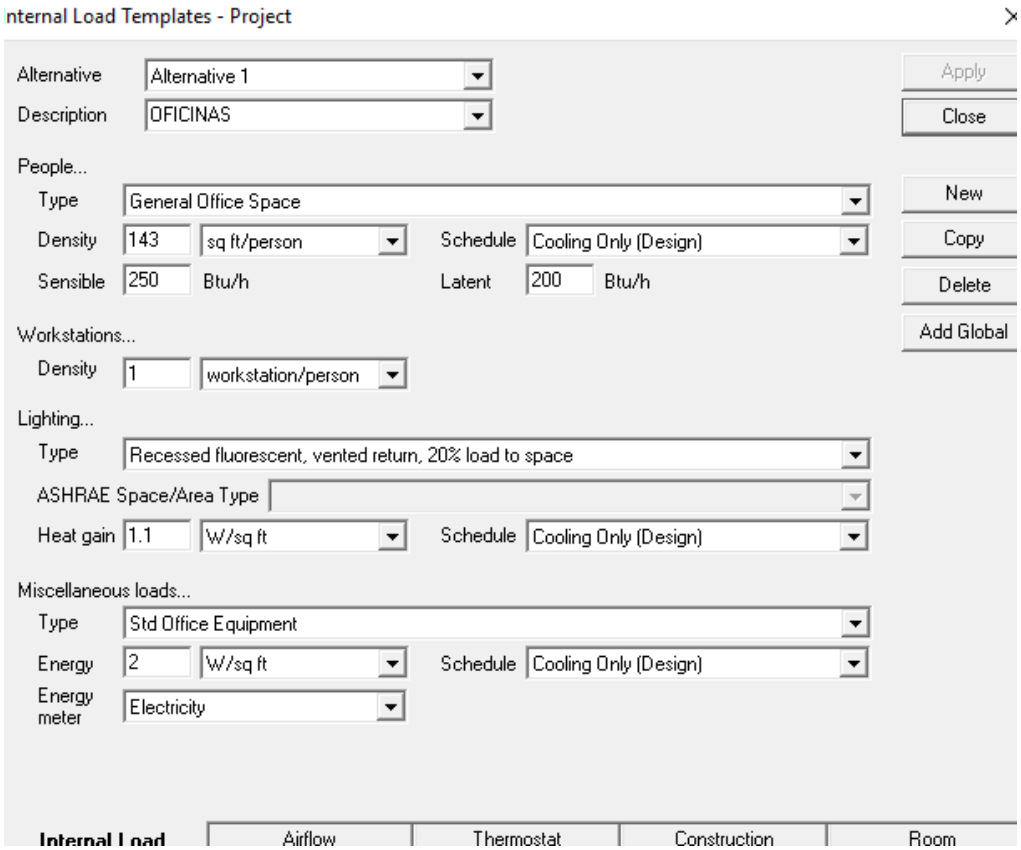
Modeling Method: Override Design Day in DsnMo+1

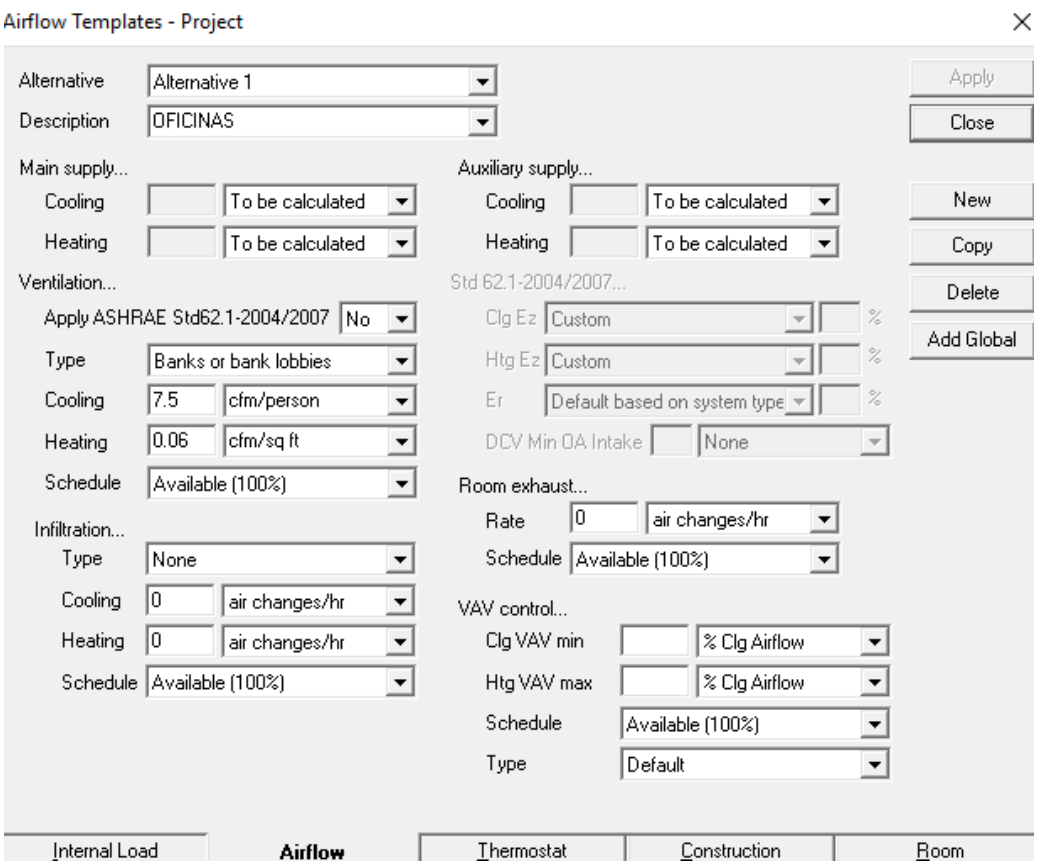
Seasonal Values

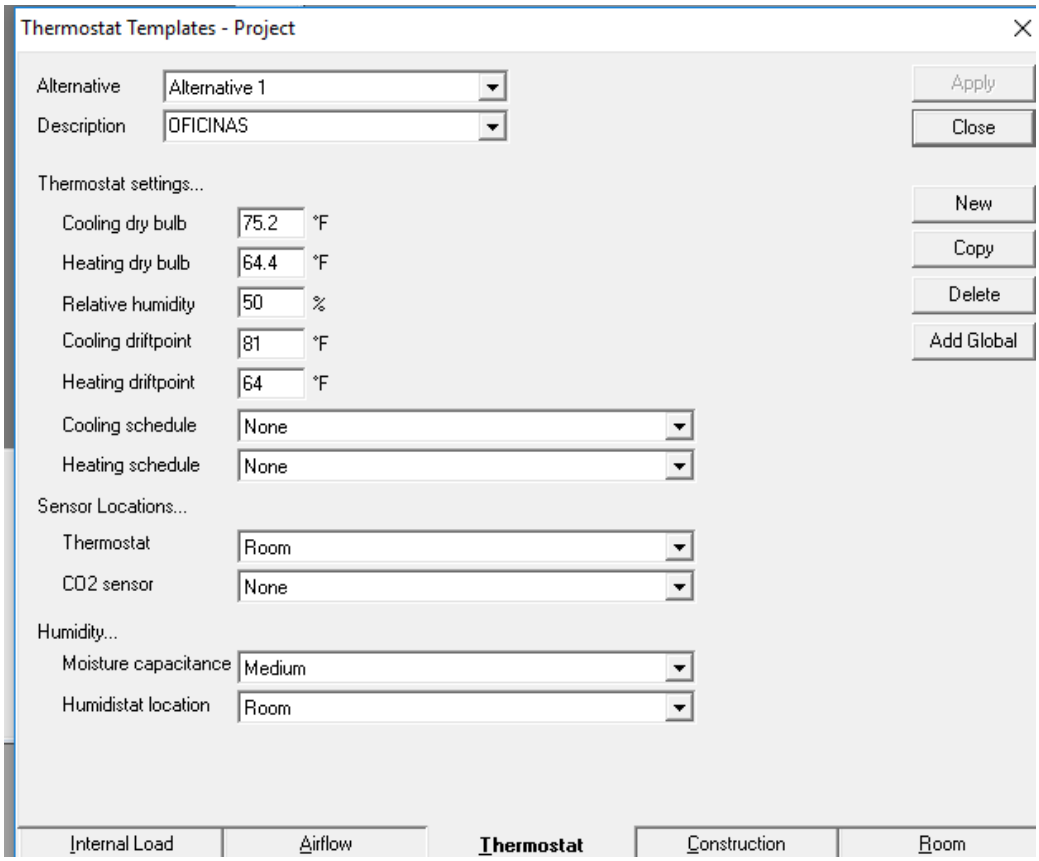
	Summer	Winter
Clearness number	1	1
Ground reflectance	0.2	0.2

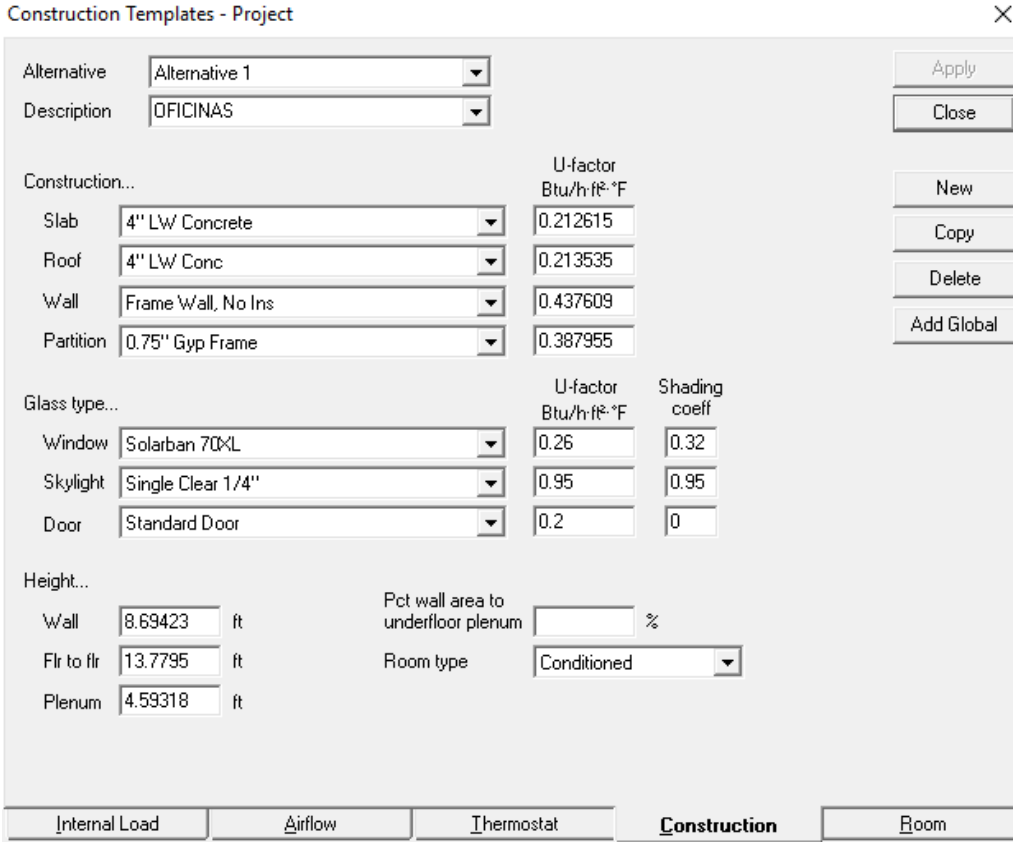
Outdoor carbon dioxide level: 400 ppm

OK
Cancel
Help


nternal Load Templates - Project
Alternative
Alternative 1
Description
OFICINAS
Apply
Close
People...
Type
General Office Space
Density
143
sq ft/person
Schedule
Cooling Only (Design)
Sensible
250
Btu/h
Latent
200
Btu/h
New
Copy
Delete
Add Global
Workstations...
Density
1
workstation/person
Lighting...
Type
Recessed fluorescent, vented return, 20% load to space
ASHRAE Space/Area Type
Heat gain
1.1
W/sq ft
Schedule
Cooling Only (Design)
Miscellaneous loads...
Type
Std Office Equipment
Energy
2
W/sq ft
Schedule
Cooling Only (Design)
Energy meter
Electricity
Internal Load
Airflow
Thermostat
Construction
Room


Airflow Templates - Project
Alternative
Alternative 1
Description
OFICINAS
Apply
Close
Main supply...
Cooling
To be calculated
Heating
To be calculated
Auxiliary supply...
Cooling
To be calculated
Heating
To be calculated
New
Copy
Delete
Add Global
Ventilation...
Apply ASHRAE Std62.1-2004/2007
No
Type
Banks or bank lobbies
Cooling
7.5
cfm/person
Heating
0.06
cfm/sq ft
Schedule
Available (100%)
Std 62.1-2004/2007...
Clg Ez
Custom
Htg Ez
Custom
Er
Default based on system type
DCV Min OA Intake
None
Room exhaust...
Rate
0
air changes/hr
Schedule
Available (100%)
Infiltration...
Type
None
Cooling
0
air changes/hr
Heating
0
air changes/hr
Schedule
Available (100%)
VAV control...
Clg VAV min
% Clg Airflow
Htg VAV max
% Clg Airflow
Schedule
Available (100%)
Type
Default
Internal Load
Airflow
Thermostat
Construction
Room


Thermostat Templates - Project
Alternative
Alternative 1
Description
OFICINAS
Apply
Close
Thermostat settings...
Cooling dry bulb
75.2
°F
Heating dry bulb
64.4
°F
Relative humidity
50
%
Cooling driftpoint
81
°F
Heating driftpoint
64
°F
Cooling schedule
None
Heating schedule
None
New
Copy
Delete
Add Global
Sensor Locations...
Thermostat
Room
CO2 sensor
None
Humidity...
Moisture capacitance
Medium
Humidistat location
Room
Internal Load
Airflow
Thermostat
Construction
Room


Construction Templates - Project
Alternative
Alternative 1
Description
OFICINAS
Apply
Close
Construction...
U-factor Btu/h·ft²·°F
Slab
4" LW Concrete
0.212615
Roof
4" LW Conc
0.213535
Wall
Frame Wall, No Ins
0.437609
Partition
0.75" Gyp Frame
0.387955
New
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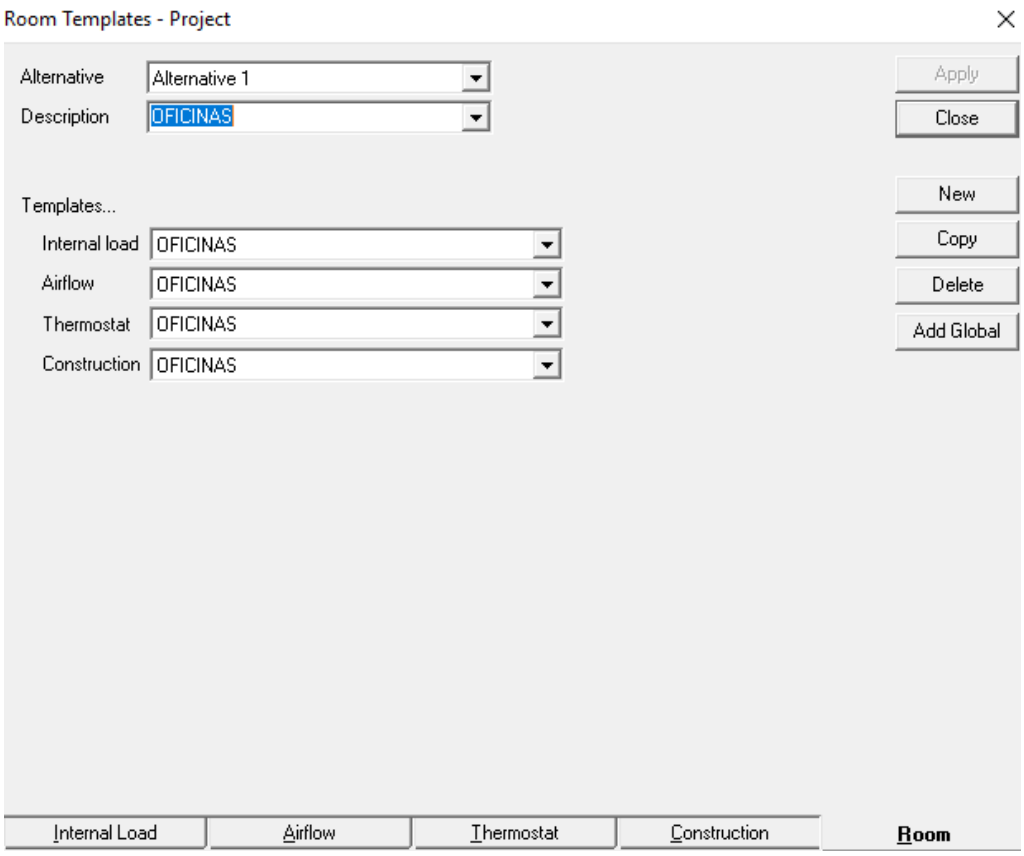
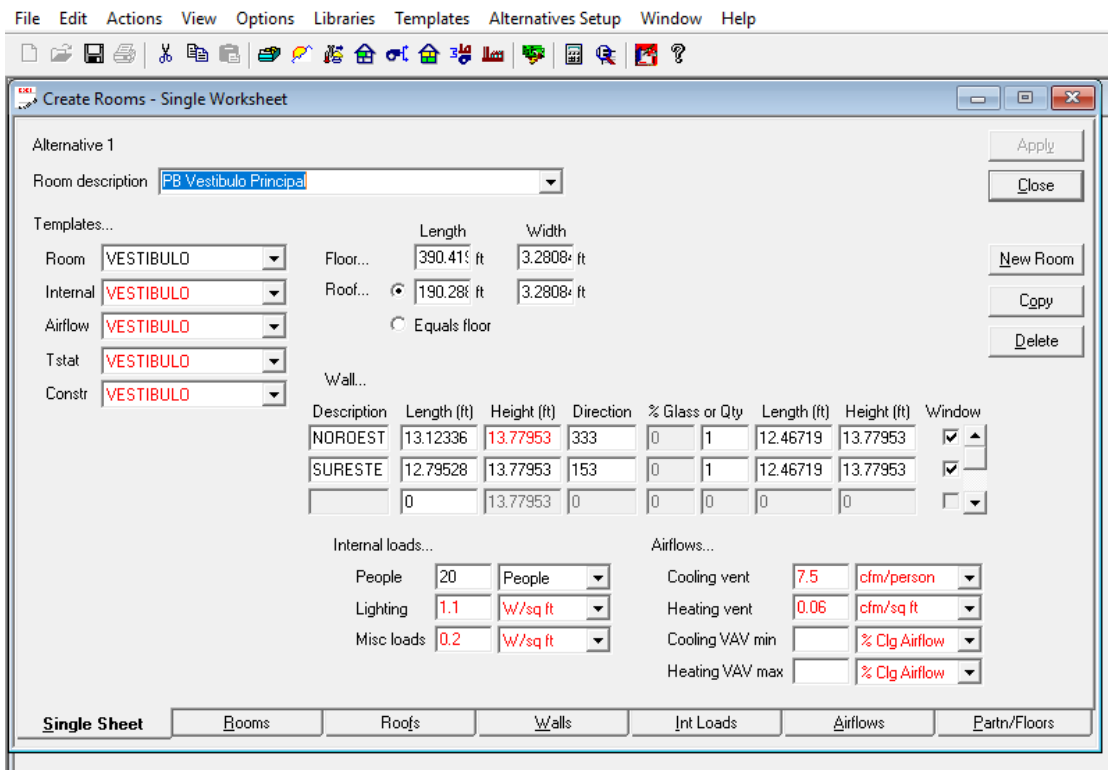
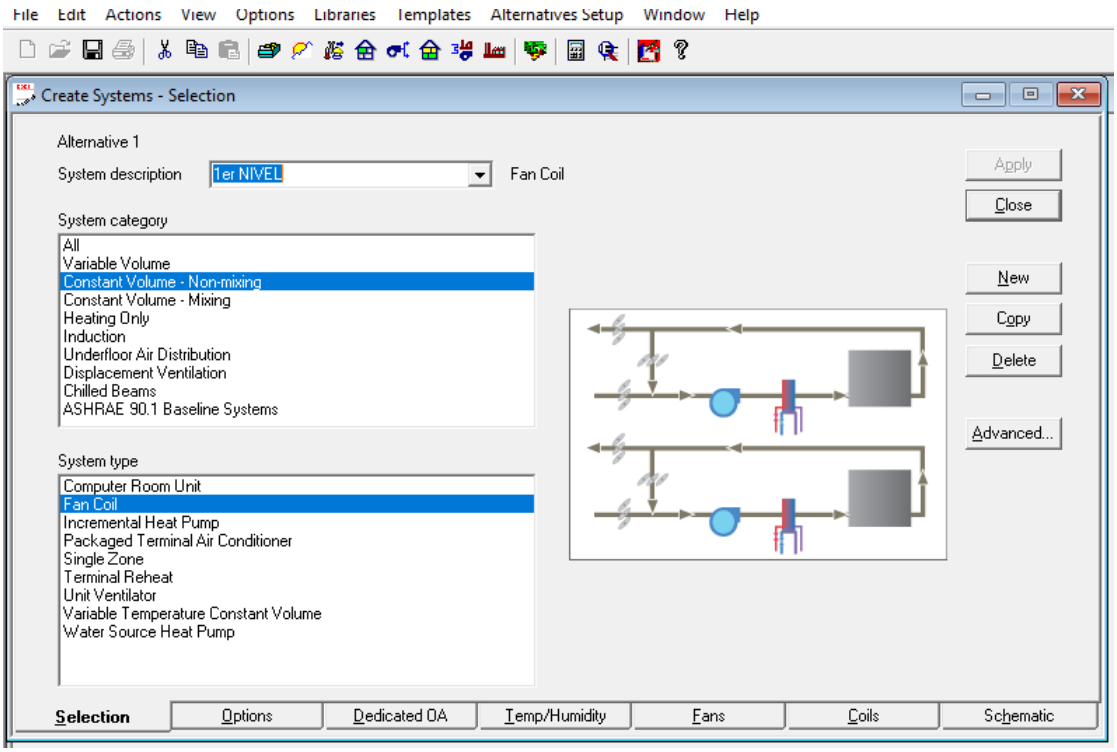
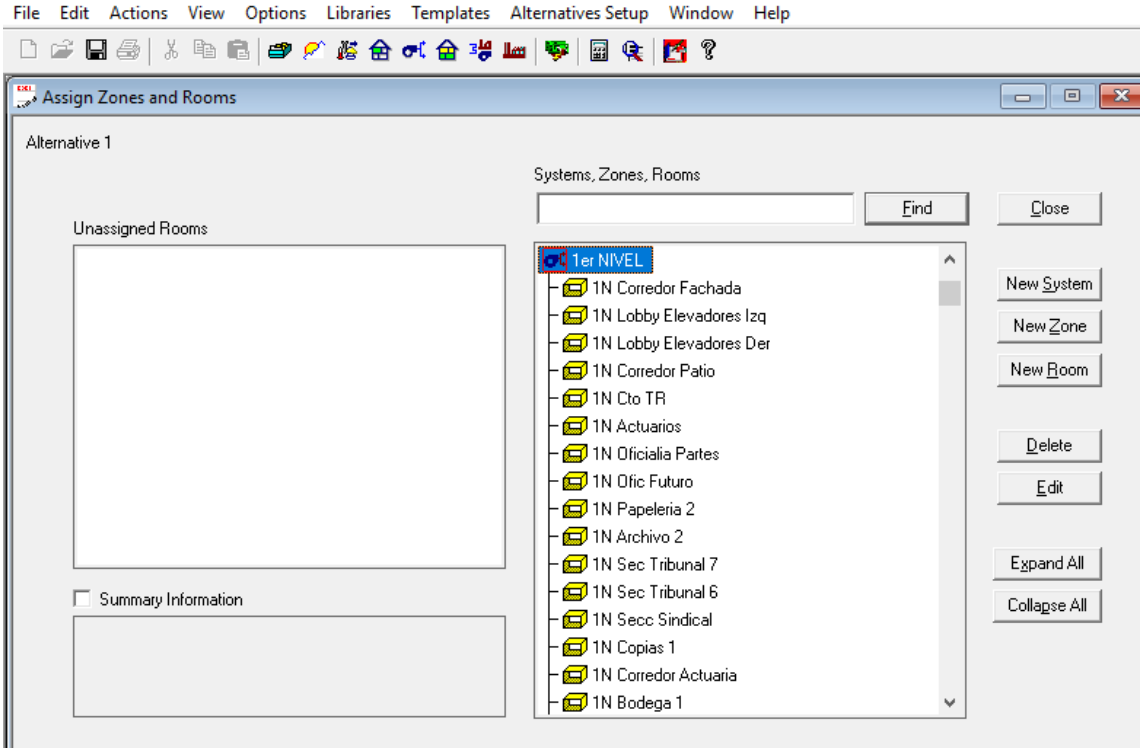
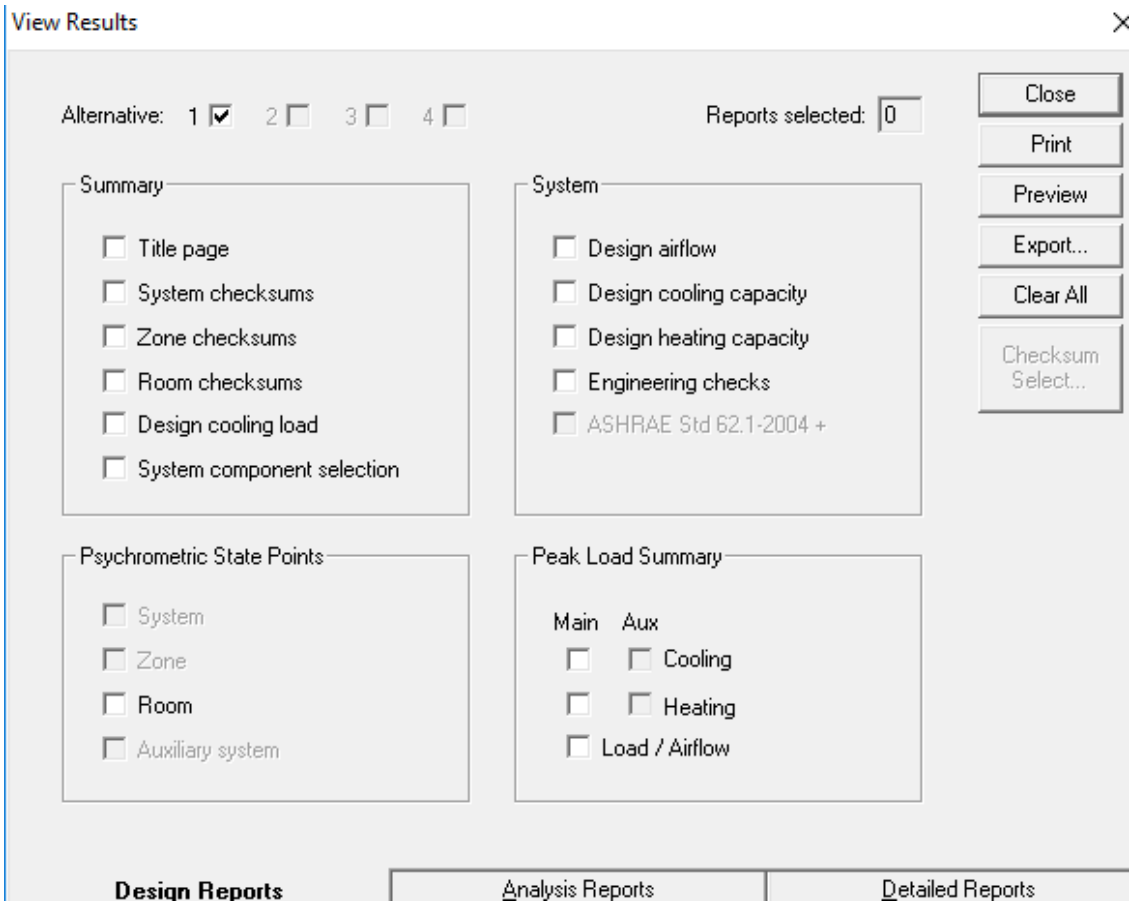
Delete
Add Global
Glass type...
U-factor Btu/h·ft²·°F
Shading coeff
Window
Solarban 70XL
0.26
0.32
Skylight
Single Clear 1/4"
0.95
0.95
Door
Standard Door
0.2
0
Height...
Wall
8.69423
ft
Flr to flr
13.7795
ft
Plenum
4.59318
ft
Pct wall area to underfloor plenum
%
Room type
Conditioned
Internal Load
Airflow
Thermostat
Construction
Room

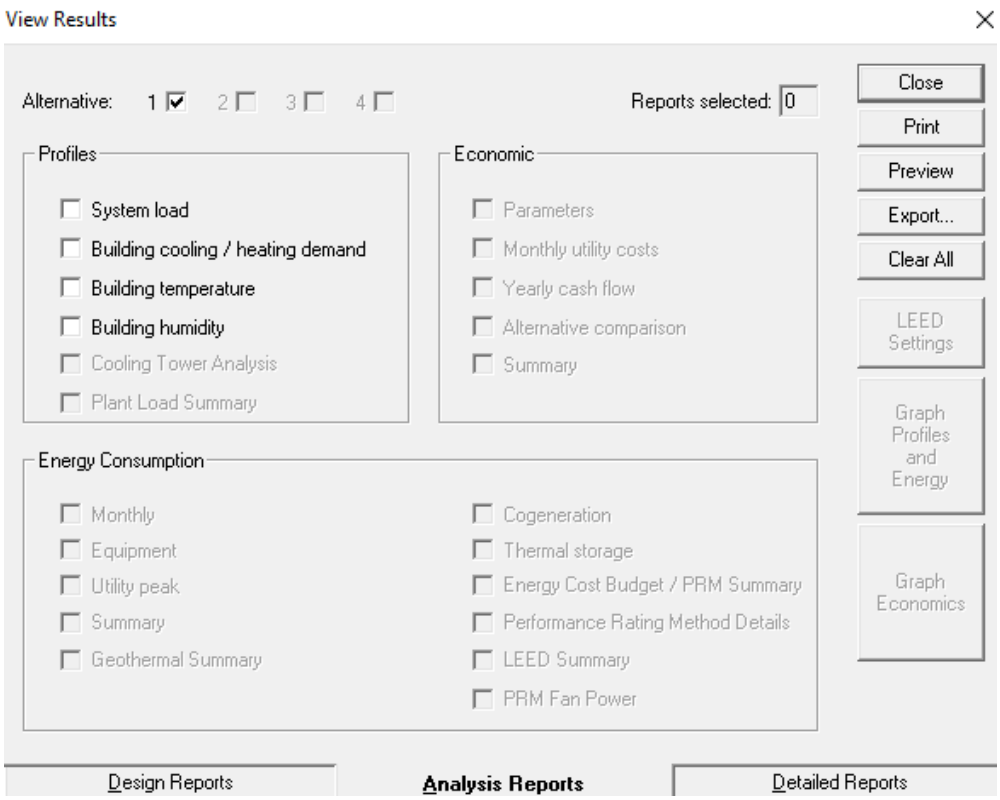

Room Templates - Project
Alternative
Alternative 1
Description
OFICINAS
Apply
Close
Templates...
New
Copy
Delete
Add Global
Internal load
OFICINAS
Airflow
OFICINAS
Thermostat
OFICINAS
Construction
OFICINAS
Internal Load
Airflow
Thermostat
Construction
Room

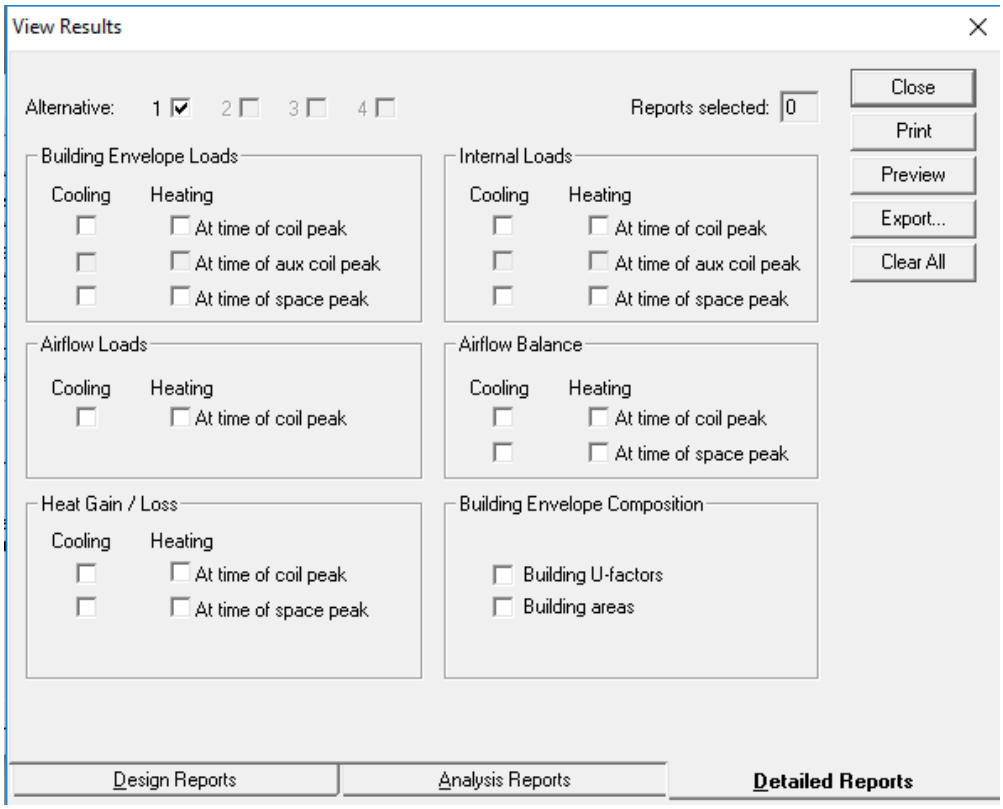

File Edit Actions View Options Libraries Templates Alternatives Setup Window Help
Create Rooms - Single Worksheet
Alternative 1
Apply
Room description
PB Vestibulo Principal
Close
Templates...
Length
Width
Room
VESTIBULO
Floor...
390.41
ft
3.2808
ft
New Room
Internal
VESTIBULO
Roof...
190.28
ft
3.2808
ft
Copy
Airflow
VESTIBULO
Equals floor
Delete
Tstat
VESTIBULO
Constr
VESTIBULO
Wall...
Description
Length (ft)
Height (ft)
Direction
% Glass or Qty
Length (ft)
Height (ft)
Window
NOROEST
13.12336
13.77953
333
0
1
12.46719
13.77953
SURESTE
12.79528
13.77953
153
0
1
12.46719
13.77953
0
13.77953
0
0
0
0
0
Internal loads...
Airflows...
People
20
People
Cooling vent
7.5
cfm/person
Lighting
1.1
W/sq ft
Heating vent
0.06
cfm/sq ft
Misc loads
0.2
W/sq ft
Cooling VAV min
% Clg Airflow
Heating VAV max
% Clg Airflow
Single Sheet
Rooms
Roofs
Walls
Int Loads
Airflows
Partn/Floors


File Edit Actions View Options Libraries Templates Alternatives Setup Window Help
Create Systems - Selection
Alternative 1
System description
1er NIVEL
Fan Coil
Apply
Close
System category
All
Variable Volume
Constant Volume - Non-mixing
Constant Volume - Mixing
Heating Only
Induction
Underfloor Air Distribution
Displacement Ventilation
Chilled Beams
ASHRAE 90.1 Baseline Systems
New
Copy
Delete
Advanced...
System type
Computer Room Unit
Fan Coil
Incremental Heat Pump
Packaged Terminal Air Conditioner
Single Zone
Terminal Reheat
Unit Ventilator
Variable Temperature Constant Volume
Water Source Heat Pump
Selection
Options
Dedicated OA
Temp/Humidity
Fans
Coils
Schematic


File Edit Actions View Options Libraries Templates Alternatives Setup Window Help
Assign Zones and Rooms
Alternative 1
Systems, Zones, Rooms
Find
Close
Unassigned Rooms
1er NIVEL
1N Corredor Fachada
1N Lobby Elevadores Izq
1N Lobby Elevadores Der
1N Corredor Patio
1N Cto TR
1N Actuarios
1N Oficialia Partes
1N Ofic Futuro
1N Papeleria 2
1N Archivo 2
1N Sec Tribunal 7
1N Sec Tribunal 6
1N Secc Sindical
1N Copias 1
1N Corredor Actuaria
1N Bodega 1
New System
New Zone
New Room
Delete
Edit
Expand All
Collapse All
Summary Information


View Results
Alternative: 1 2 3 4
Reports selected: 0
Close
Print
Preview
Export...
Clear All
Checksum Select...
Summary
Title page
System checksums
Zone checksums
Room checksums
Design cooling load
System component selection
System
Design airflow
Design cooling capacity
Design heating capacity
Engineering checks
ASHRAE Std 62.1-2004 +
Psychrometric State Points
System
Zone
Room
Auxiliary system
Peak Load Summary
Main Aux
Cooling
Heating
Load / Airflow
Design Reports
Analysis Reports
Detailed Reports


View Results
Alternative: 1 2 3 4
Reports selected: 0
Close
Print
Preview
Export...
Clear All
LEED Settings
Graph Profiles and Energy
Graph Economics
Profiles
System load
Building cooling / heating demand
Building temperature
Building humidity
Cooling Tower Analysis
Plant Load Summary
Economic
Parameters
Monthly utility costs
Yearly cash flow
Alternative comparison
Summary
Energy Consumption
Monthly
Equipment
Utility peak
Summary
Geothermal Summary
Cogeneration
Thermal storage
Energy Cost Budget / PRM Summary
Performance Rating Method Details
LEED Summary
PRM Fan Power
Design Reports
Analysis Reports
Detailed Reports


View Results
Alternative: 1 2 3 4
Reports selected: 0
Close
Print
Preview
Export...
Clear All
Building Envelope Loads
Cooling
Heating
At time of coil peak
At time of aux coil peak
At time of space peak
Internal Loads
Cooling
Heating
At time of coil peak
At time of aux coil peak
At time of space peak
Airflow Loads
Cooling
Heating
At time of coil peak
Airflow Balance
Cooling
Heating
At time of coil peak
At time of space peak
Heat Gain / Loss
Cooling
Heating
At time of coil peak
At time of space peak
Building Envelope Composition
Building U-factors
Building areas
Design Reports
Analysis Reports
Detailed Reports