

Space Design Load Summary for Anglo-American Floor 6

Project Name: Anglo-American TI HAP
Prepared by: wsp

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03:49PM

TABLE 1.1.A. Component Loads For Space "601A - Lounge/Coffee" In Zone "Zone 1"

	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jun 0800 COOLING OA DB / WB 69.2 °F / 64.2 °F OCCUPIED T-STAT 75.0 °F			HEATING DATA AT DES HTG HEATING OA DB / WB 16.0 °F / 14.8 °F OCCUPIED T-STAT 70.0 °F		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(BTU/hr)	(BTU/hr)	Details	(BTU/hr)	(BTU/hr)
Window & Skylight Solar Loads	174 ft²	5095	-	174 ft²	-	-
Wall Transmission	100 ft²	85	-	100 ft²	493	-
Roof Transmission	0 ft²	0	-	0 ft²	0	-
Window Transmission	174 ft²	-482	-	174 ft²	5168	-
Skylight Transmission	0 ft²	0	-	0 ft²	0	-
Door Loads	0 ft²	0	-	0 ft²	0	-
Floor Transmission	0 ft²	0	-	0 ft²	0	-
Partitions	0 ft²	0	-	0 ft²	0	-
Ceiling	0 ft²	0	-	0 ft²	0	-
Overhead Lighting	248 W	846	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	175 W	596	-	0	0	-
People	8	2000	1600	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	300	0	-	0	0
Safety Factor	10% / 0%	844	0	10%	566	0
>> Total Zone Loads	-	9284	1600	-	6227	0

TABLE 1.1.B. Envelope Loads For Space "601A - Lounge/Coffee" In Zone "Zone 1"

		U-Value	Shade	COOLING	COOLING	HEATING
	Area			TRANS	SOLAR	TRANS
	(ft²)	(BTU/(hr·ft²·°F))	Coeff.	(BTU/hr)	(BTU/hr)	(BTU/hr)
NE EXPOSURE						
WALL	100	0.091	-	85	-	493
WINDOW 1	174	0.550	0.460	-482	5095	5168

Space Design Load Summary for Anglo-American Floor 6

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08/26/2019
03:49PM

TABLE 1.2.A. Component Loads For Space "601B - Open Area" In Zone "Zone 1"

	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jun 1800 COOLING OA DB / WB 78.1 °F / 67.1 °F OCCUPIED T-STAT 75.0 °F			HEATING DATA AT DES HTG HEATING OA DB / WB 16.0 °F / 14.8 °F OCCUPIED T-STAT 70.0 °F		
		Sensible (BTU/hr)	Latent (BTU/hr)		Sensible (BTU/hr)	Latent (BTU/hr)
SPACE LOADS	Details			Details		
Window & Skylight Solar Loads	122 ft²	1797	-	122 ft²	-	-
Wall Transmission	60 ft²	37	-	60 ft²	293	-
Roof Transmission	0 ft²	0	-	0 ft²	0	-
Window Transmission	122 ft²	128	-	122 ft²	3617	-
Skylight Transmission	0 ft²	0	-	0 ft²	0	-
Door Loads	0 ft²	0	-	0 ft²	0	-
Floor Transmission	0 ft²	0	-	0 ft²	0	-
Partitions	0 ft²	0	-	0 ft²	0	-
Ceiling	0 ft²	0	-	0 ft²	0	-
Overhead Lighting	221 W	756	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	156 W	532	-	0	0	-
People	5	1250	1000	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	1705	0	-	0	0
Safety Factor	10% / 0%	621	0	10%	391	0
>> Total Zone Loads	-	6826	1000	-	4301	0

TABLE 1.2.B. Envelope Loads For Space "601B - Open Area" In Zone "Zone 1"

		U-Value	Shade	COOLING	COOLING	HEATING
	Area			TRANS	SOLAR	TRANS
	(ft²)	(BTU/(hr-ft²-°F))	Coeff.	(BTU/hr)	(BTU/hr)	(BTU/hr)
N EXPOSURE						
WALL	60	0.091	-	37	-	293
WINDOW 1	122	0.550	0.460	128	1797	3617

Space Design Load Summary for Anglo-American Floor 6

Project Name: Anglo-American TI HAP
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08/26/2019
03:49PM

TABLE 2.1.A. Component Loads For Space "602A - Breakout" In Zone "Zone 2"

	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jan 2300 COOLING OA DB / WB 52.6 °F / 51.6 °F OCCUPIED T-STAT 75.0 °F			HEATING DATA AT DES HTG HEATING OA DB / WB 16.0 °F / 14.8 °F OCCUPIED T-STAT 70.0 °F		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(BTU/hr)	(BTU/hr)	Details	(BTU/hr)	(BTU/hr)
Window & Skylight Solar Loads	0 ft²	0	-	0 ft²	-	-
Wall Transmission	0 ft²	0	-	0 ft²	0	-
Roof Transmission	0 ft²	0	-	0 ft²	0	-
Window Transmission	0 ft²	0	-	0 ft²	0	-
Skylight Transmission	0 ft²	0	-	0 ft²	0	-
Door Loads	0 ft²	0	-	0 ft²	0	-
Floor Transmission	0 ft²	0	-	0 ft²	0	-
Partitions	0 ft²	0	-	0 ft²	0	-
Ceiling	0 ft²	0	-	0 ft²	0	-
Overhead Lighting	96 W	327	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	54 W	184	-	0	0	-
People	4	1000	800	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 0%	151	0	10%	0	0
>> Total Zone Loads	-	1662	800	-	0	0

TABLE 2.1.B. Envelope Loads For Space "602A - Breakout" In Zone "Zone 2"

				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(ft²)	(BTU/(hr·ft²·°F))	Coeff.	(BTU/hr)	(BTU/hr)	(BTU/hr)

Space Design Load Summary for Anglo-American Floor 6

Project Name: Anglo-American TI HAP
Prepared by: wsp

08/26/2019
03:49PM

TABLE 2.2.A. Component Loads For Space "602B - Phone Room" In Zone "Zone 2"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jan 2300 COOLING OA DB / WB 52.6 °F / 51.6 °F OCCUPIED T-STAT 75.0 °F			HEATING DATA AT DES HTG HEATING OA DB / WB 16.0 °F / 14.8 °F OCCUPIED T-STAT 70.0 °F		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(BTU/hr)	(BTU/hr)	Details	(BTU/hr)	(BTU/hr)
Window & Skylight Solar Loads	0 ft²	0	-	0 ft²	-	-
Wall Transmission	0 ft²	0	-	0 ft²	0	-
Roof Transmission	0 ft²	0	-	0 ft²	0	-
Window Transmission	0 ft²	0	-	0 ft²	0	-
Skylight Transmission	0 ft²	0	-	0 ft²	0	-
Door Loads	0 ft²	0	-	0 ft²	0	-
Floor Transmission	0 ft²	0	-	0 ft²	0	-
Partitions	0 ft²	0	-	0 ft²	0	-
Ceiling	0 ft²	0	-	0 ft²	0	-
Overhead Lighting	34 W	117	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	21 W	73	-	0	0	-
People	1	250	200	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 0%	44	0	10%	0	0
>> Total Zone Loads	-	484	200	-	0	0

TABLE 2.2.B. Envelope Loads For Space "602B - Phone Room" In Zone "Zone 2"						
	Area	U-Value	Shade	COOLING	COOLING	HEATING
	(ft²)	(BTU/(hr·ft²·°F))	Coeff.	TRANS	SOLAR	TRANS
				(BTU/hr)	(BTU/hr)	(BTU/hr)

Space Design Load Summary for Anglo-American Floor 6

Project Name: Anglo-American TI HAP
Prepared by: wsp

08/26/2019
03:49PM

TABLE 2.3.A. Component Loads For Space "602C - Phone Room" In Zone "Zone 2"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jan 2300 COOLING OA DB / WB 52.6 °F / 51.6 °F OCCUPIED T-STAT 75.0 °F			HEATING DATA AT DES HTG HEATING OA DB / WB 16.0 °F / 14.8 °F OCCUPIED T-STAT 70.0 °F		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(BTU/hr)	(BTU/hr)	Details	(BTU/hr)	(BTU/hr)
Window & Skylight Solar Loads	0 ft²	0	-	0 ft²	-	-
Wall Transmission	0 ft²	0	-	0 ft²	0	-
Roof Transmission	0 ft²	0	-	0 ft²	0	-
Window Transmission	0 ft²	0	-	0 ft²	0	-
Skylight Transmission	0 ft²	0	-	0 ft²	0	-
Door Loads	0 ft²	0	-	0 ft²	0	-
Floor Transmission	0 ft²	0	-	0 ft²	0	-
Partitions	0 ft²	0	-	0 ft²	0	-
Ceiling	0 ft²	0	-	0 ft²	0	-
Overhead Lighting	37 W	125	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	23 W	78	-	0	0	-
People	1	250	200	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 0%	45	0	10%	0	0
>> Total Zone Loads	-	498	200	-	0	0

TABLE 2.3.B. Envelope Loads For Space "602C - Phone Room" In Zone "Zone 2"						
	Area	U-Value	Shade	COOLING	COOLING	HEATING
	(ft²)	(BTU/(hr·ft²·°F))	Coeff.	TRANS	SOLAR	TRANS
				(BTU/hr)	(BTU/hr)	(BTU/hr)

Space Design Load Summary for Anglo-American Floor 6

Project Name: Anglo-American TI HAP
Prepared by: wsp

08/26/2019
03:49PM

TABLE 3.1.A. Component Loads For Space "603 - Open Office" In Zone "Zone 3"

	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jun 1800 COOLING OA DB / WB 78.1 °F / 67.1 °F OCCUPIED T-STAT 75.0 °F			HEATING DATA AT DES HTG HEATING OA DB / WB 16.0 °F / 14.8 °F OCCUPIED T-STAT 70.0 °F		
		Sensible (BTU/hr)	Latent (BTU/hr)		Sensible (BTU/hr)	Latent (BTU/hr)
SPACE LOADS	Details			Details		
Window & Skylight Solar Loads	296 ft²	4363	-	296 ft²	-	-
Wall Transmission	111 ft²	70	-	111 ft²	547	-
Roof Transmission	0 ft²	0	-	0 ft²	0	-
Window Transmission	296 ft²	312	-	296 ft²	8785	-
Skylight Transmission	0 ft²	0	-	0 ft²	0	-
Door Loads	0 ft²	0	-	0 ft²	0	-
Floor Transmission	0 ft²	0	-	0 ft²	0	-
Partitions	0 ft²	0	-	0 ft²	0	-
Ceiling	0 ft²	0	-	0 ft²	0	-
Overhead Lighting	468 W	1598	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	330 W	1125	-	0	0	-
People	10	2500	2000	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	2728	0	-	0	0
Safety Factor	10% / 0%	1270	0	10%	933	0
>> Total Zone Loads	-	13966	2000	-	10265	0

TABLE 3.1.B. Envelope Loads For Space "603 - Open Office" In Zone "Zone 3"

				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(ft²)	(BTU/(hr·ft²·°F))	Coeff.	(BTU/hr)	(BTU/hr)	(BTU/hr)
N EXPOSURE						
WALL	111	0.091	-	70	-	547
WINDOW 1	296	0.550	0.460	312	4363	8785

Space Design Load Summary for Anglo-American Floor 6

Project Name: Anglo-American TI HAP
Prepared by: wsp

08/26/2019
03:49PM

TABLE 4.1.A. Component Loads For Space "604A - Copy Room" In Zone "Zone 4"

	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jan 2300 COOLING OA DB / WB 52.6 °F / 51.6 °F OCCUPIED T-STAT 75.0 °F			HEATING DATA AT DES HTG HEATING OA DB / WB 16.0 °F / 14.8 °F OCCUPIED T-STAT 70.0 °F		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(BTU/hr)	(BTU/hr)	Details	(BTU/hr)	(BTU/hr)
Window & Skylight Solar Loads	0 ft²	0	-	0 ft²	-	-
Wall Transmission	0 ft²	0	-	0 ft²	0	-
Roof Transmission	0 ft²	0	-	0 ft²	0	-
Window Transmission	0 ft²	0	-	0 ft²	0	-
Skylight Transmission	0 ft²	0	-	0 ft²	0	-
Door Loads	0 ft²	0	-	0 ft²	0	-
Floor Transmission	0 ft²	0	-	0 ft²	0	-
Partitions	0 ft²	0	-	0 ft²	0	-
Ceiling	0 ft²	0	-	0 ft²	0	-
Overhead Lighting	130 W	444	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	72 W	247	-	0	0	-
People	1	250	200	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	2940	0	-	0	0
Safety Factor	10% / 0%	388	0	10%	0	0
>> Total Zone Loads	-	4270	200	-	0	0

TABLE 4.1.B. Envelope Loads For Space "604A - Copy Room" In Zone "Zone 4"

				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(ft²)	(BTU/(hr·ft²·°F))	Coeff.	(BTU/hr)	(BTU/hr)	(BTU/hr)

Space Design Load Summary for Anglo-American Floor 6

Project Name: Anglo-American TI HAP
Prepared by: wsp

08/26/2019
03:49PM

TABLE 4.2.A. Component Loads For Space "604B - Storage" In Zone "Zone 4"

	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jan 2300 COOLING OA DB / WB 52.6 °F / 51.6 °F OCCUPIED T-STAT 75.0 °F			HEATING DATA AT DES HTG HEATING OA DB / WB 16.0 °F / 14.8 °F OCCUPIED T-STAT 70.0 °F		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(BTU/hr)	(BTU/hr)	Details	(BTU/hr)	(BTU/hr)
Window & Skylight Solar Loads	0 ft²	0	-	0 ft²	-	-
Wall Transmission	0 ft²	0	-	0 ft²	0	-
Roof Transmission	0 ft²	0	-	0 ft²	0	-
Window Transmission	0 ft²	0	-	0 ft²	0	-
Skylight Transmission	0 ft²	0	-	0 ft²	0	-
Door Loads	0 ft²	0	-	0 ft²	0	-
Floor Transmission	0 ft²	0	-	0 ft²	0	-
Partitions	0 ft²	0	-	0 ft²	0	-
Ceiling	0 ft²	0	-	0 ft²	0	-
Overhead Lighting	94 W	322	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	52 W	179	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 0%	50	0	10%	0	0
>> Total Zone Loads	-	551	0	-	0	0

TABLE 4.2.B. Envelope Loads For Space "604B - Storage" In Zone "Zone 4"

				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(ft²)	(BTU/(hr·ft²·°F))	Coeff.	(BTU/hr)	(BTU/hr)	(BTU/hr)

Space Design Load Summary for Anglo-American Floor 6

Project Name: Anglo-American TI HAP
Prepared by: wsp

08/26/2019
03:49PM

TABLE 4.3.A. Component Loads For Space "604C - Breakout" In Zone "Zone 4"

	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jan 2300 COOLING OA DB / WB 52.6 °F / 51.6 °F OCCUPIED T-STAT 75.0 °F			HEATING DATA AT DES HTG HEATING OA DB / WB 16.0 °F / 14.8 °F OCCUPIED T-STAT 70.0 °F		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(BTU/hr)	(BTU/hr)	Details	(BTU/hr)	(BTU/hr)
Window & Skylight Solar Loads	0 ft²	0	-	0 ft²	-	-
Wall Transmission	0 ft²	0	-	0 ft²	0	-
Roof Transmission	0 ft²	0	-	0 ft²	0	-
Window Transmission	0 ft²	0	-	0 ft²	0	-
Skylight Transmission	0 ft²	0	-	0 ft²	0	-
Door Loads	0 ft²	0	-	0 ft²	0	-
Floor Transmission	0 ft²	0	-	0 ft²	0	-
Partitions	0 ft²	0	-	0 ft²	0	-
Ceiling	0 ft²	0	-	0 ft²	0	-
Overhead Lighting	111 W	378	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	62 W	212	-	0	0	-
People	4	1000	800	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 0%	159	0	10%	0	0
>> Total Zone Loads	-	1749	800	-	0	0

TABLE 4.3.B. Envelope Loads For Space "604C - Breakout" In Zone "Zone 4"

				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(ft²)	(BTU/(hr·ft²·°F))	Coeff.	(BTU/hr)	(BTU/hr)	(BTU/hr)

Space Design Load Summary for Anglo-American Floor 6

Project Name: Anglo-American TI HAP
Prepared by: wsp

08/26/2019
03:49PM

TABLE 4.4.A. Component Loads For Space "604D - Breakout" In Zone "Zone 4"

	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jan 2300 COOLING OA DB / WB 52.6 °F / 51.6 °F OCCUPIED T-STAT 75.0 °F			HEATING DATA AT DES HTG HEATING OA DB / WB 16.0 °F / 14.8 °F OCCUPIED T-STAT 70.0 °F		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(BTU/hr)	(BTU/hr)	Details	(BTU/hr)	(BTU/hr)
Window & Skylight Solar Loads	0 ft²	0	-	0 ft²	-	-
Wall Transmission	0 ft²	0	-	0 ft²	0	-
Roof Transmission	0 ft²	0	-	0 ft²	0	-
Window Transmission	0 ft²	0	-	0 ft²	0	-
Skylight Transmission	0 ft²	0	-	0 ft²	0	-
Door Loads	0 ft²	0	-	0 ft²	0	-
Floor Transmission	0 ft²	0	-	0 ft²	0	-
Partitions	0 ft²	0	-	0 ft²	0	-
Ceiling	0 ft²	0	-	0 ft²	0	-
Overhead Lighting	128 W	436	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	72 W	245	-	0	0	-
People	6	1500	1200	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 0%	218	0	10%	0	0
>> Total Zone Loads	-	2399	1200	-	0	0

TABLE 4.4.B. Envelope Loads For Space "604D - Breakout" In Zone "Zone 4"

				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(ft²)	(BTU/(hr·ft²·°F))	Coeff.	(BTU/hr)	(BTU/hr)	(BTU/hr)

Space Design Load Summary for Anglo-American Floor 6

Project Name: Anglo-American TI HAP
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08/26/2019
03:49PM

TABLE 5.1.A. Component Loads For Space "605A - Open Office" In Zone "Zone 5"

	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jun 1800 COOLING OA DB / WB 78.1 °F / 67.1 °F OCCUPIED T-STAT 75.0 °F			HEATING DATA AT DES HTG HEATING OA DB / WB 16.0 °F / 14.8 °F OCCUPIED T-STAT 70.0 °F		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(BTU/hr)	(BTU/hr)	Details	(BTU/hr)	(BTU/hr)
Window & Skylight Solar Loads	139 ft²	2053	-	139 ft²	-	-
Wall Transmission	40 ft²	25	-	40 ft²	196	-
Roof Transmission	0 ft²	0	-	0 ft²	0	-
Window Transmission	139 ft²	147	-	139 ft²	4134	-
Skylight Transmission	0 ft²	0	-	0 ft²	0	-
Door Loads	0 ft²	0	-	0 ft²	0	-
Floor Transmission	0 ft²	0	-	0 ft²	0	-
Partitions	0 ft²	0	-	0 ft²	0	-
Ceiling	0 ft²	0	-	0 ft²	0	-
Overhead Lighting	269 W	916	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	189 W	645	-	0	0	-
People	6	1500	1200	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	2046	0	-	0	0
Safety Factor	10% / 0%	733	0	10%	433	0
>> Total Zone Loads	-	8066	1200	-	4764	0

TABLE 5.1.B. Envelope Loads For Space "605A - Open Office" In Zone "Zone 5"

		U-Value	Shade	COOLING	COOLING	HEATING
	Area			TRANS	SOLAR	TRANS
	(ft²)	(BTU/(hr·ft²·°F))	Coeff.	(BTU/hr)	(BTU/hr)	(BTU/hr)
N EXPOSURE						
WALL	40	0.091	-	25	-	196
WINDOW 1	139	0.550	0.460	147	2053	4134

Space Design Load Summary for Anglo-American Floor 6

Project Name: Anglo-American TI HAP
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08/26/2019
03:49PM

TABLE 5.2.A. Component Loads For Space "605B - Open Office" In Zone "Zone 5"

	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jun 1800 COOLING OA DB / WB 78.1 °F / 67.1 °F OCCUPIED T-STAT 75.0 °F			HEATING DATA AT DES HTG HEATING OA DB / WB 16.0 °F / 14.8 °F OCCUPIED T-STAT 70.0 °F		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(BTU/hr)	(BTU/hr)	Details	(BTU/hr)	(BTU/hr)
Window & Skylight Solar Loads	174 ft²	5936	-	174 ft²	-	-
Wall Transmission	100 ft²	95	-	100 ft²	493	-
Roof Transmission	0 ft²	0	-	0 ft²	0	-
Window Transmission	174 ft²	183	-	174 ft²	5168	-
Skylight Transmission	0 ft²	0	-	0 ft²	0	-
Door Loads	0 ft²	0	-	0 ft²	0	-
Floor Transmission	0 ft²	0	-	0 ft²	0	-
Partitions	0 ft²	0	-	0 ft²	0	-
Ceiling	0 ft²	0	-	0 ft²	0	-
Overhead Lighting	227 W	776	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	160 W	546	-	0	0	-
People	2	500	400	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	682	0	-	0	0
Safety Factor	10% / 0%	872	0	10%	566	0
>> Total Zone Loads	-	9589	400	-	6227	0

TABLE 5.2.B. Envelope Loads For Space "605B - Open Office" In Zone "Zone 5"

		U-Value	Shade	COOLING	COOLING	HEATING
	Area			TRANS	SOLAR	TRANS
	(ft²)	(BTU/(hr·ft²·°F))	Coeff.	(BTU/hr)	(BTU/hr)	(BTU/hr)
NW EXPOSURE						
WALL	100	0.091	-	95	-	493
WINDOW 1	174	0.550	0.460	183	5936	5168

Space Design Load Summary for Anglo-American Floor 6

Project Name: Anglo-American TI HAP
Prepared by: wsp

08/26/2019
03:49PM

TABLE 5.3.A. Component Loads For Space "605C - Open Office" In Zone "Zone 5"

	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jun 1700 COOLING OA DB / WB 79.6 °F / 67.6 °F OCCUPIED T-STAT 75.0 °F			HEATING DATA AT DES HTG HEATING OA DB / WB 16.0 °F / 14.8 °F OCCUPIED T-STAT 70.0 °F		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(BTU/hr)	(BTU/hr)	Details	(BTU/hr)	(BTU/hr)
Window & Skylight Solar Loads	122 ft²	5707	-	122 ft²	-	-
Wall Transmission	57 ft²	74	-	57 ft²	282	-
Roof Transmission	0 ft²	0	-	0 ft²	0	-
Window Transmission	122 ft²	191	-	122 ft²	3617	-
Skylight Transmission	0 ft²	0	-	0 ft²	0	-
Door Loads	0 ft²	0	-	0 ft²	0	-
Floor Transmission	0 ft²	0	-	0 ft²	0	-
Partitions	0 ft²	0	-	0 ft²	0	-
Ceiling	0 ft²	0	-	0 ft²	0	-
Overhead Lighting	399 W	1361	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	281 W	958	-	0	0	-
People	4	1000	800	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	1364	0	-	0	0
Safety Factor	10% / 0%	1066	0	10%	390	0
>> Total Zone Loads	-	11721	800	-	4289	0

TABLE 5.3.B. Envelope Loads For Space "605C - Open Office" In Zone "Zone 5"

		U-Value	Shade	COOLING	COOLING	HEATING
	Area			TRANS	SOLAR	TRANS
	(ft²)	(BTU/(hr·ft²·°F))	Coeff.	(BTU/hr)	(BTU/hr)	(BTU/hr)
W EXPOSURE						
WALL	57	0.091	-	74	-	282
WINDOW 1	122	0.550	0.460	191	5707	3617

Space Design Load Summary for Anglo-American Floor 6

Project Name: Anglo-American TI HAP
Prepared by: wsp

08/26/2019
03:49PM

TABLE 6.1.A. Component Loads For Space "606 - Open Office" In Zone "Zone 6"

	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jan 2300 COOLING OA DB / WB 52.6 °F / 51.6 °F OCCUPIED T-STAT 75.0 °F			HEATING DATA AT DES HTG HEATING OA DB / WB 16.0 °F / 14.8 °F OCCUPIED T-STAT 70.0 °F		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(BTU/hr)	(BTU/hr)	Details	(BTU/hr)	(BTU/hr)
Window & Skylight Solar Loads	0 ft²	0	-	0 ft²	-	-
Wall Transmission	0 ft²	0	-	0 ft²	0	-
Roof Transmission	0 ft²	0	-	0 ft²	0	-
Window Transmission	0 ft²	0	-	0 ft²	0	-
Skylight Transmission	0 ft²	0	-	0 ft²	0	-
Door Loads	0 ft²	0	-	0 ft²	0	-
Floor Transmission	0 ft²	0	-	0 ft²	0	-
Partitions	0 ft²	0	-	0 ft²	0	-
Ceiling	0 ft²	0	-	0 ft²	0	-
Overhead Lighting	361 W	1230	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	254 W	866	-	0	0	-
People	9	2250	1800	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 0%	435	0	10%	0	0
>> Total Zone Loads	-	4782	1800	-	0	0

TABLE 6.1.B. Envelope Loads For Space "606 - Open Office" In Zone "Zone 6"

				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(ft²)	(BTU/(hr-ft²-°F))	Coeff.	(BTU/hr)	(BTU/hr)	(BTU/hr)

Space Design Load Summary for Anglo-American Floor 6

Project Name: Anglo-American TI HAP
Prepared by: wsp

08/26/2019
03:49PM

TABLE 7.1.A. Component Loads For Space "607A - Reception Areas" In Zone "Zone 7"						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jan 2300 COOLING OA DB / WB 52.6 °F / 51.6 °F OCCUPIED T-STAT 75.0 °F			HEATING DATA AT DES HTG HEATING OA DB / WB 16.0 °F / 14.8 °F OCCUPIED T-STAT 70.0 °F		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(BTU/hr)	(BTU/hr)	Details	(BTU/hr)	(BTU/hr)
Window & Skylight Solar Loads	0 ft²	0	-	0 ft²	-	-
Wall Transmission	0 ft²	0	-	0 ft²	0	-
Roof Transmission	0 ft²	0	-	0 ft²	0	-
Window Transmission	0 ft²	0	-	0 ft²	0	-
Skylight Transmission	0 ft²	0	-	0 ft²	0	-
Door Loads	0 ft²	0	-	0 ft²	0	-
Floor Transmission	0 ft²	0	-	0 ft²	0	-
Partitions	0 ft²	0	-	0 ft²	0	-
Ceiling	0 ft²	0	-	0 ft²	0	-
Overhead Lighting	181 W	617	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	139 W	473	-	0	0	-
People	3	750	600	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	341	0	-	0	0
Safety Factor	10% / 0%	218	0	10%	0	0
>> Total Zone Loads	-	2400	600	-	0	0

TABLE 7.1.B. Envelope Loads For Space "607A - Reception Areas" In Zone "Zone 7"						
	Area	U-Value	Shade	COOLING	COOLING	HEATING
	(ft²)	(BTU/(hr-ft²·°F))	Coeff.	TRANS	SOLAR	TRANS
				(BTU/hr)	(BTU/hr)	(BTU/hr)

Space Design Load Summary for Anglo-American Floor 6

Project Name: Anglo-American TI HAP
Prepared by: wsp

08/26/2019
03:49PM

TABLE 7.2.A. Component Loads For Space "607B - Copy Room" In Zone "Zone 7"

	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jan 2300 COOLING OA DB / WB 52.6 °F / 51.6 °F OCCUPIED T-STAT 75.0 °F			HEATING DATA AT DES HTG HEATING OA DB / WB 16.0 °F / 14.8 °F OCCUPIED T-STAT 70.0 °F		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(BTU/hr)	(BTU/hr)	Details	(BTU/hr)	(BTU/hr)
Window & Skylight Solar Loads	0 ft²	0	-	0 ft²	-	-
Wall Transmission	0 ft²	0	-	0 ft²	0	-
Roof Transmission	0 ft²	0	-	0 ft²	0	-
Window Transmission	0 ft²	0	-	0 ft²	0	-
Skylight Transmission	0 ft²	0	-	0 ft²	0	-
Door Loads	0 ft²	0	-	0 ft²	0	-
Floor Transmission	0 ft²	0	-	0 ft²	0	-
Partitions	0 ft²	0	-	0 ft²	0	-
Ceiling	0 ft²	0	-	0 ft²	0	-
Overhead Lighting	325 W	1108	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	181 W	617	-	0	0	-
People	1	250	200	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 0%	198	0	10%	0	0
>> Total Zone Loads	-	2173	200	-	0	0

TABLE 7.2.B. Envelope Loads For Space "607B - Copy Room" In Zone "Zone 7"

				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(ft²)	(BTU/(hr·ft²·°F))	Coeff.	(BTU/hr)	(BTU/hr)	(BTU/hr)

Space Design Load Summary for Anglo-American Floor 6

Project Name: Anglo-American TI HAP
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08/26/2019
03:49PM

TABLE 7.3.A. Component Loads For Space "607C - Comm Room" In Zone "Zone 7"

	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jan 2300 COOLING OA DB / WB 52.6 °F / 51.6 °F OCCUPIED T-STAT 75.0 °F			HEATING DATA AT DES HTG HEATING OA DB / WB 16.0 °F / 14.8 °F OCCUPIED T-STAT 70.0 °F		
		Sensible (BTU/hr)	Latent (BTU/hr)		Sensible (BTU/hr)	Latent (BTU/hr)
SPACE LOADS	Details			Details		
Window & Skylight Solar Loads	0 ft²	0	-	0 ft²	-	-
Wall Transmission	0 ft²	0	-	0 ft²	0	-
Roof Transmission	0 ft²	0	-	0 ft²	0	-
Window Transmission	0 ft²	0	-	0 ft²	0	-
Skylight Transmission	0 ft²	0	-	0 ft²	0	-
Door Loads	0 ft²	0	-	0 ft²	0	-
Floor Transmission	0 ft²	0	-	0 ft²	0	-
Partitions	0 ft²	0	-	0 ft²	0	-
Ceiling	0 ft²	0	-	0 ft²	0	-
Overhead Lighting	88 W	300	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	49 W	167	-	0	0	-
People	1	250	200	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 0%	72	0	10%	0	0
>> Total Zone Loads	-	789	200	-	0	0

TABLE 7.3.B. Envelope Loads For Space "607C - Comm Room" In Zone "Zone 7"

				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(ft²)	(BTU/(hr·ft²·°F))	Coeff.	(BTU/hr)	(BTU/hr)	(BTU/hr)

Space Design Load Summary for Anglo-American Floor 6

Project Name: Anglo-American TI HAP
Prepared by: wsp

08/26/2019
03:49PM

TABLE 8.1.A. Component Loads For Space "608 - Break Room Kitchen" In Zone "Zone 8"

	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jan 1400 COOLING OA DB / WB 62.8 °F / 55.8 °F OCCUPIED T-STAT 75.0 °F			HEATING DATA AT DES HTG HEATING OA DB / WB 16.0 °F / 14.8 °F OCCUPIED T-STAT 70.0 °F		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(BTU/hr)	(BTU/hr)	Details	(BTU/hr)	(BTU/hr)
Window & Skylight Solar Loads	0 ft²	0	-	0 ft²	-	-
Wall Transmission	0 ft²	0	-	0 ft²	0	-
Roof Transmission	0 ft²	0	-	0 ft²	0	-
Window Transmission	0 ft²	0	-	0 ft²	0	-
Skylight Transmission	0 ft²	0	-	0 ft²	0	-
Door Loads	0 ft²	0	-	0 ft²	0	-
Floor Transmission	0 ft²	0	-	0 ft²	0	-
Partitions	0 ft²	0	-	0 ft²	0	-
Ceiling	0 ft²	0	-	0 ft²	0	-
Overhead Lighting	231 W	789	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	163 W	556	-	0	0	-
People	3	750	600	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	11350	2200	-	0	0
Safety Factor	10% / 0%	1344	0	10%	0	0
>> Total Zone Loads	-	14789	2800	-	0	0

TABLE 8.1.B. Envelope Loads For Space "608 - Break Room Kitchen" In Zone "Zone 8"

				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(ft²)	(BTU/(hr-ft²-°F))	Coeff.	(BTU/hr)	(BTU/hr)	(BTU/hr)

Space Design Load Summary for Anglo-American Floor 6

Project Name: Anglo-American TI HAP
Prepared by: wsp

08/26/2019
03:49PM

TABLE 9.1.A. Component Loads For Space "609A - Conference Room" In Zone "Zone 9"

	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jun 1800 COOLING OA DB / WB 78.1 °F / 67.1 °F OCCUPIED T-STAT 75.0 °F			HEATING DATA AT DES HTG HEATING OA DB / WB 16.0 °F / 14.8 °F OCCUPIED T-STAT 70.0 °F		
		Sensible (BTU/hr)	Latent (BTU/hr)		Sensible (BTU/hr)	Latent (BTU/hr)
SPACE LOADS	Details			Details		
Window & Skylight Solar Loads	174 ft²	5936	-	174 ft²	-	-
Wall Transmission	109 ft²	103	-	109 ft²	538	-
Roof Transmission	0 ft²	0	-	0 ft²	0	-
Window Transmission	174 ft²	183	-	174 ft²	5168	-
Skylight Transmission	0 ft²	0	-	0 ft²	0	-
Door Loads	0 ft²	0	-	0 ft²	0	-
Floor Transmission	0 ft²	0	-	0 ft²	0	-
Partitions	0 ft²	0	-	0 ft²	0	-
Ceiling	0 ft²	0	-	0 ft²	0	-
Overhead Lighting	467 W	1595	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	262 W	895	-	0	0	-
People	12	3000	2400	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	1560	0	-	0	0
Safety Factor	10% / 0%	1327	0	10%	571	0
>> Total Zone Loads	-	14599	2400	-	6276	0

TABLE 9.1.B. Envelope Loads For Space "609A - Conference Room" In Zone "Zone 9"

	Area (ft²)	U-Value (BTU/(hr-ft²-°F))	Shade Coeff.	COOLING TRANS (BTU/hr)	COOLING SOLAR (BTU/hr)	HEATING TRANS (BTU/hr)
NW EXPOSURE						
WALL	109	0.091	-	103	-	538
WINDOW 1	174	0.550	0.460	183	5936	5168

Space Design Load Summary for Anglo-American Floor 6

Project Name: Anglo-American TI HAP
Prepared by: wsp

08/26/2019
03:49PM

TABLE 9.2.A. Component Loads For Space "609B - Break Room" In Zone "Zone 9"

	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jun 1700 COOLING OA DB / WB 79.6 °F / 67.6 °F OCCUPIED T-STAT 75.0 °F			HEATING DATA AT DES HTG HEATING OA DB / WB 16.0 °F / 14.8 °F OCCUPIED T-STAT 70.0 °F		
		Sensible (BTU/hr)	Latent (BTU/hr)		Sensible (BTU/hr)	Latent (BTU/hr)
SPACE LOADS	Details			Details		
Window & Skylight Solar Loads	87 ft²	4077	-	87 ft²	-	-
Wall Transmission	41 ft²	53	-	41 ft²	202	-
Roof Transmission	0 ft²	0	-	0 ft²	0	-
Window Transmission	87 ft²	136	-	87 ft²	2584	-
Skylight Transmission	0 ft²	0	-	0 ft²	0	-
Door Loads	0 ft²	0	-	0 ft²	0	-
Floor Transmission	0 ft²	0	-	0 ft²	0	-
Partitions	0 ft²	0	-	0 ft²	0	-
Ceiling	0 ft²	0	-	0 ft²	0	-
Overhead Lighting	195 W	665	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	137 W	468	-	0	0	-
People	10	2500	2000	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	10% / 0%	790	0	10%	279	0
>> Total Zone Loads	-	8690	2000	-	3064	0

TABLE 9.2.B. Envelope Loads For Space "609B - Break Room" In Zone "Zone 9"

		U-Value (BTU/(hr-ft²·°F))	Shade Coeff.	COOLING TRANS (BTU/hr)	COOLING SOLAR (BTU/hr)	HEATING TRANS (BTU/hr)
W EXPOSURE	Area (ft²)					
WALL	41	0.091	-	53	-	202
WINDOW 1	87	0.550	0.460	136	4077	2584

Space Design Load Summary for Anglo-American Floor 6

Project Name: Anglo-American TI HAP
Prepared by: wsp

08/26/2019
03:49PM

TABLE 10.1.A. Component Loads For Space "600 - Corridor" In Zone "Zone 10"

	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jan 2300			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 52.6 °F / 51.6 °F			HEATING OA DB / WB 16.0 °F / 14.8 °F		
	OCCUPIED T-STAT 75.0 °F			OCCUPIED T-STAT 70.0 °F		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(BTU/hr)	(BTU/hr)	Details	(BTU/hr)	(BTU/hr)
Window & Skylight Solar Loads	0 ft²	0	-	0 ft²	-	-
Wall Transmission	0 ft²	0	-	0 ft²	0	-
Roof Transmission	0 ft²	0	-	0 ft²	0	-
Window Transmission	0 ft²	0	-	0 ft²	0	-
Skylight Transmission	0 ft²	0	-	0 ft²	0	-
Door Loads	0 ft²	0	-	0 ft²	0	-
Floor Transmission	0 ft²	0	-	0 ft²	0	-
Partitions	0 ft²	0	-	0 ft²	0	-
Ceiling	0 ft²	0	-	0 ft²	0	-
Overhead Lighting	304 W	1036	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	317 W	1083	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	940	0	-	0	0
Safety Factor	10% / 0%	306	0	10%	0	0
>> Total Zone Loads	-	3365	0	-	0	0

TABLE 10.1.B. Envelope Loads For Space "600 - Corridor" In Zone "Zone 10"

				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(ft²)	(BTU/(hr-ft²-°F))	Coeff.	(BTU/hr)	(BTU/hr)	(BTU/hr)