

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
Prepared by: Primex

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TABLE 1.1.A. COMPONENT LOADS FOR SPACE " 102 " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1600 COOLING OA DB / WB 30.7 °C / 18.8 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 22.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	1 m?	201	-	1 m?	-	-
Wall Transmission	24 m?	90	-	24 m?	231	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	1 m?	12	-	1 m?	108	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	13 m?	0	-	13 m?	109	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	53 W	32	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	40	-13	-	239	1
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	375	-13	-	686	1

TABLE 1.1.B. ENVELOPE LOADS FOR SPACE " 102 " IN ZONE " Zone 1 "						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
E EXPOSURE						
WALL	7	0.280	-	29	-	71
WINDOW 1	1	2.200	0.811	12	201	108
S EXPOSURE						
WALL	17	0.280	-	61	-	159

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TABLE 1.2.A. COMPONENT LOADS FOR SPACE " 103_Biblioteka " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Sep 1600 COOLING OA DB / WB 28.7 °C / 17.7 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 22.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	4 m?	771	-	4 m?	-	-
Wall Transmission	32 m?	110	-	32 m?	303	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	4 m?	15	-	4 m?	289	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	28 m?	0	-	28 m?	210	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	113 W	68	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	53	-48	-	481	1
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	1017	-48	-	1283	1

TABLE 1.2.B. ENVELOPE LOADS FOR SPACE " 103_Biblioteka " IN ZONE " Zone 1 "						
	Area	U-Value	Shade	COOLING	COOLING	HEATING
	(m?)	(W/(m²·°K))	Coeff.	TRANS	SOLAR	TRANS
				(W)	(W)	(W)
S EXPOSURE						
WALL	12	0.280	-	63	-	115
WINDOW 1	2	2.200	0.811	8	407	151
WINDOW 2	0	2.200	0.811	2	81	30
W EXPOSURE						
WALL	20	0.280	-	47	-	188
WINDOW 1	1	2.200	0.811	6	282	108

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TABLE 1.3.A. COMPONENT LOADS FOR SPACE " 106_Stolova " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1000 COOLING OA DB / WB 24.3 °C / 16.7 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 22.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	13 m?	2631	-	13 m?	-	-
Wall Transmission	23 m?	72	-	23 m?	222	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	13 m?	-31	-	13 m?	964	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	59 m?	0	-	59 m?	368	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	3 W	18	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	-20	-73	-	1016	3
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	2670	-73	-	2570	3

TABLE 1.3.B. ENVELOPE LOADS FOR SPACE " 106_Stolova " IN ZONE " Zone 1 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
E EXPOSURE						
WALL	23	0.280	-	72	-	222
WINDOW 1	13	2.200	0.811	-31	2631	964

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TABLE 1.4.A. COMPONENT LOADS FOR SPACE " 110_Klasna Staq " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1000 COOLING OA DB / WB 24.3 °C / 16.7 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 22.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	10 m?	2105	-	10 m?	-	-
Wall Transmission	19 m?	58	-	19 m?	180	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	10 m?	-25	-	10 m?	771	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	48 m?	0	-	48 m?	318	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	2 W	15	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	-16	-60	-	827	3
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	2137	-60	-	2096	3

TABLE 1.4.B. ENVELOPE LOADS FOR SPACE " 110_Klasna Staq " IN ZONE " Zone 1 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
E EXPOSURE						
WALL	19	0.280	-	58	-	180
WINDOW 1	10	2.200	0.811	-25	2105	771

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TABLE 1.5.A. COMPONENT LOADS FOR SPACE " 111_Klasna Staq " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1000 COOLING OA DB / WB 24.3 °C / 16.7 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 22.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	10 m?	2105	-	10 m?	-	-
Wall Transmission	19 m?	58	-	19 m?	180	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	10 m?	-25	-	10 m?	771	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	48 m?	0	-	48 m?	318	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	2 W	15	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	-16	-60	-	827	3
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	2137	-60	-	2096	3

TABLE 1.5.B. ENVELOPE LOADS FOR SPACE " 111_Klasna Staq " IN ZONE " Zone 1 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
E EXPOSURE						
WALL	19	0.280	-	58	-	180
WINDOW 1	10	2.200	0.811	-25	2105	771

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TABLE 1.6.A. COMPONENT LOADS FOR SPACE " 114_sablekalnq Chistach " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jun 0900 COOLING OA DB / WB 21.3 °C / 15.4 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 22.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	3 m?	561	-	3 m?	-	-
Wall Transmission	3 m?	6	-	3 m?	26	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	3 m?	-20	-	3 m?	193	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	11 m?	0	-	11 m?	93	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	1 W	4	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	-22	-20	-	204	1
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	529	-20	-	516	1

TABLE 1.6.B. ENVELOPE LOADS FOR SPACE " 114_sablekalnq Chistach " IN ZONE " Zone 1 "						
	Area	U-Value	Shade	COOLING	COOLING	HEATING
	(m?)	(W/(m?-°K))	Coeff.	TRANS	SOLAR	TRANS
E EXPOSURE				(W)	(W)	(W)
WALL	3	0.280	-	6	-	26
WINDOW 1	3	2.200	0.811	-20	561	193

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TABLE 1.7.A. COMPONENT LOADS FOR SPACE " 121_Sablekalnq " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1600 COOLING OA DB / WB 30.7 °C / 18.8 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 22.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	5 m?	300	-	5 m?	-	-
Wall Transmission	22 m?	33	-	22 m?	210	-
Roof Transmission	33 m?	303	-	33 m?	350	-
Window Transmission	5 m?	42	-	5 m?	376	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	33 m?	0	-	33 m?	239	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	134 W	80	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	97	-32	-	577	2
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	855	-32	-	1753	2

TABLE 1.7.B. ENVELOPE LOADS FOR SPACE " 121_Sablekalnq " IN ZONE " Zone 1 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
N EXPOSURE						
WALL	22	0.280	-	33	-	210
WINDOW 1	5	2.200	0.811	42	300	376
H EXPOSURE						
ROOF	33	0.310	-	303	-	350

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TABLE 1.8.A. COMPONENT LOADS FOR SPACE " 122_Sablekalnq " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1600 COOLING OA DB / WB 30.7 °C / 18.8 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 22.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	5 m?	300	-	5 m?	-	-
Wall Transmission	22 m?	33	-	22 m?	210	-
Roof Transmission	33 m?	303	-	33 m?	350	-
Window Transmission	5 m?	42	-	5 m?	376	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	33 m?	0	-	33 m?	239	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	134 W	80	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	97	-32	-	577	2
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	855	-32	-	1753	2

TABLE 1.8.B. ENVELOPE LOADS FOR SPACE " 122_Sablekalnq " IN ZONE " Zone 1 "						
	Area	U-Value	Shade	COOLING	COOLING	HEATING
	(m?)	(W/(m?-°K))	Coeff.	TRANS	SOLAR	TRANS
				(W)	(W)	(W)
N EXPOSURE						
WALL	22	0.280	-	33	-	210
WINDOW 1	5	2.200	0.811	42	300	376
H EXPOSURE						
ROOF	33	0.310	-	303	-	350

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TABLE 1.9.A. COMPONENT LOADS FOR SPACE " 123 " IN ZONE " Zone 1 "

	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jun 1600			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 29.5 °C / 18.1 °C			HEATING OA DB / WB -12.2 °C / -13.6 °C		
	OCCUPIED T-STAT 25.0 °C			OCCUPIED T-STAT 22.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	6 m?	386	-	6 m?	-	-
Wall Transmission	7 m?	10	-	7 m?	72	-
Roof Transmission	15 m?	132	-	15 m?	154	-
Window Transmission	6 m?	33	-	6 m?	444	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	15 m?	0	-	15 m?	120	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	59 W	35	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	33	-20	-	250	1
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	630	-20	-	1040	1

TABLE 1.9.B. ENVELOPE LOADS FOR SPACE " 123 " IN ZONE " Zone 1 "

	Area	U-Value	Shade	COOLING	COOLING	HEATING
	(m?)	(W/(m?-°K))	Coeff.	TRANS	SOLAR	TRANS
				(W)	(W)	(W)
N EXPOSURE						
WALL	7	0.280	-	10	-	72
WINDOW 1	5	2.200	0.811	28	327	376
WINDOW 2	1	2.200	0.811	5	59	68
H EXPOSURE						
ROOF	15	0.310	-	132	-	154

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TABLE 1.10.A. COMPONENT LOADS FOR SPACE " 124 " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1600 COOLING OA DB / WB 30.7 °C / 18.8 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 22.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	2 m?	102	-	2 m?	-	-
Wall Transmission	11 m?	17	-	11 m?	107	-
Roof Transmission	9 m?	83	-	9 m?	96	-
Window Transmission	2 m?	14	-	2 m?	128	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	9 m?	0	-	9 m?	78	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	36 W	22	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	19	-6	-	115	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	257	-6	-	524	0

TABLE 1.10.B. ENVELOPE LOADS FOR SPACE " 124 " IN ZONE " Zone 1 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m²·°K))	Coeff.	(W)	(W)	(W)
N EXPOSURE						
WALL	11	0.280	-	17	-	107
WINDOW 1	1	2.200	0.811	8	60	75
WINDOW 2	1	2.200	0.811	6	42	53
H EXPOSURE						
ROOF	9	0.310	-	83	-	96

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TABLE 1.11.A. COMPONENT LOADS FOR SPACE " 125 " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1400 COOLING OA DB / WB 30.7 °C / 18.8 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 22.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	5 m?	587	-	5 m?	-	-
Wall Transmission	35 m?	94	-	35 m?	335	-
Roof Transmission	32 m?	365	-	32 m?	340	-
Window Transmission	5 m?	38	-	5 m?	369	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	32 m?	0	-	32 m?	233	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	5 W	10	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	93	-34	-	554	2
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	1188	-34	-	1831	2

TABLE 1.11.B. ENVELOPE LOADS FOR SPACE " 125 " IN ZONE " Zone 1 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
N EXPOSURE						
WALL	16	0.280	-	16	-	150
WINDOW 1	1	2.200	0.811	8	60	75
WINDOW 2	1	2.200	0.811	5	42	53
E EXPOSURE						
WALL	19	0.280	-	78	-	185
WINDOW 1	3	2.200	0.811	23	454	226
WINDOW 2	0	2.200	0.811	2	30	15
H EXPOSURE						
ROOF	32	0.310	-	365	-	340

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TABLE 1.12.A. COMPONENT LOADS FOR SPACE " 126 " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Aug 1400 COOLING OA DB / WB 30.7 °C / 18.8 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 22.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	5 m?	808	-	5 m?	-	-
Wall Transmission	46 m?	168	-	46 m?	436	-
Roof Transmission	48 m?	501	-	48 m?	510	-
Window Transmission	5 m?	41	-	5 m?	392	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	48 m?	0	-	48 m?	318	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	7 W	15	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	139	-52	-	827	3
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	1672	-52	-	2482	3

TABLE 1.12.B. ENVELOPE LOADS FOR SPACE " 126 " IN ZONE " Zone 1 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
S EXPOSURE						
WALL	15	0.280	-	55	-	148
WINDOW 1	2	2.200	0.811	16	360	151
E EXPOSURE						
WALL	30	0.280	-	113	-	288
WINDOW 1	3	2.200	0.811	23	420	226
WINDOW 2	0	2.200	0.811	2	28	15
H EXPOSURE						
ROOF	48	0.310	-	501	-	510

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
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TABLE 1.13.A. COMPONENT LOADS FOR SPACE " 127 " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Sep 1400 COOLING OA DB / WB 28.7 °C / 17.7 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 22.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	4 m?	1016	-	4 m?	-	-
Wall Transmission	21 m?	87	-	21 m?	199	-
Roof Transmission	54 m?	429	-	54 m?	573	-
Window Transmission	4 m?	14	-	4 m?	316	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	54 m?	0	-	54 m?	346	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	8 W	17	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	160	-155	-	1462	4
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	1723	-155	-	2897	4

TABLE 1.13.B. ENVELOPE LOADS FOR SPACE " 127 " IN ZONE " Zone 1 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m²·°K))	Coeff.	(W)	(W)	(W)
S EXPOSURE						
WALL	21	0.280	-	87	-	199
WINDOW 1	4	2.200	0.811	14	968	301
WINDOW 2	0	2.200	0.811	1	48	15
H EXPOSURE						
ROOF	54	0.310	-	429	-	573

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
Prepared by: Primex

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TABLE 1.14.A. COMPONENT LOADS FOR SPACE " 201 " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Aug 1400 COOLING OA DB / WB 30.7 °C / 18.8 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 22.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	8 m?	1293	-	8 m?	-	-
Wall Transmission	27 m?	99	-	27 m?	258	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	8 m?	65	-	8 m?	626	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	0 m?	0	-	0 m?	0	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	4 W	8	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	120 W	105	-	0	0	-
People	1	67	35	0	0	0
Infiltration	-	75	-28	-	446	1
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	1713	7	-	1330	1

TABLE 1.14.B. ENVELOPE LOADS FOR SPACE " 201 " IN ZONE " Zone 1 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
E EXPOSURE						
WALL	16	0.280	-	60	-	154
WINDOW 1	5	2.200	0.811	40	717	385
S EXPOSURE						
WALL	11	0.280	-	39	-	103
WINDOW 1	3	2.200	0.811	23	541	226
WINDOW 2	0	2.200	0.811	2	36	15

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
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TABLE 1.15.A. COMPONENT LOADS FOR SPACE " 202_lekarski kabinet " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Oct 1400 COOLING OA DB / WB 25.2 °C / 15.9 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 22.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	6 m?	1771	-	6 m?	-	-
Wall Transmission	26 m?	51	-	26 m?	246	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	6 m?	-28	-	6 m?	482	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	0 m?	0	-	0 m?	0	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	3 W	7	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	120 W	105	-	0	0	-
People	1	67	35	0	0	0
Infiltration	-	2	-59	-	369	1
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	1975	-23	-	1098	1

TABLE 1.15.B. ENVELOPE LOADS FOR SPACE " 202_lekarski kabinet " IN ZONE " Zone 1 "						
	Area	U-Value	Shade	COOLING	COOLING	HEATING
	(m?)	(W/(m?-°K))	Coeff.	TRANS	SOLAR	TRANS
				(W)	(W)	(W)
W EXPOSURE						
WALL	11	0.280	-	-6	-	102
S EXPOSURE						
WALL	15	0.280	-	57	-	145
WINDOW 1	6	2.200	0.811	-28	1771	482

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
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TABLE 1.16.A. COMPONENT LOADS FOR SPACE " 205_Klasna " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jun 0900 COOLING OA DB / WB 21.3 °C / 15.4 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 22.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	10 m?	2105	-	10 m?	-	-
Wall Transmission	12 m?	28	-	12 m?	119	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	10 m?	-75	-	10 m?	723	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	0 m?	0	-	0 m?	0	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	4 W	15	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	-83	-75	-	770	2
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	1990	-75	-	1611	2

TABLE 1.16.B. ENVELOPE LOADS FOR SPACE " 205_Klasna " IN ZONE " Zone 1 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
E EXPOSURE						
WALL	12	0.280	-	28	-	119
WINDOW 1	10	2.200	0.811	-75	2105	723

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
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TABLE 1.17.A. COMPONENT LOADS FOR SPACE " 206_Klasna " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jun 0900 COOLING OA DB / WB 21.3 °C / 15.4 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 22.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	16 m?	3509	-	16 m?	-	-
Wall Transmission	18 m?	41	-	18 m?	172	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	16 m?	-126	-	16 m?	1205	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	0 m?	0	-	0 m?	0	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	7 W	24	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	10	1539	2711	0	0	0
Infiltration	-	-129	-116	-	1193	4
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	4858	2595	-	2570	4

TABLE 1.17.B. ENVELOPE LOADS FOR SPACE " 206_Klasna " IN ZONE " Zone 1 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
E EXPOSURE						
WALL	18	0.280	-	41	-	172
WINDOW 1	16	2.200	0.811	-126	3509	1205

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
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TABLE 1.18.A. COMPONENT LOADS FOR SPACE " 207_Klasna " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jun 0900 COOLING OA DB / WB 21.3 °C / 15.4 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 22.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	10 m?	2105	-	10 m?	-	-
Wall Transmission	9 m?	21	-	9 m?	90	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	10 m?	-75	-	10 m?	723	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	0 m?	0	-	0 m?	0	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	4 W	14	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	8	1231	2169	0	0	0
Infiltration	-	-77	-69	-	712	2
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	3219	2099	-	1525	2

TABLE 1.18.B. ENVELOPE LOADS FOR SPACE " 207_Klasna " IN ZONE " Zone 1 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
E EXPOSURE						
WALL	9	0.280	-	21	-	90
WINDOW 1	10	2.200	0.811	-75	2105	723

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
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TABLE 1.19.A. COMPONENT LOADS FOR SPACE " 208_Klasna " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1000 COOLING OA DB / WB 24.3 °C / 16.7 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 22.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	13 m?	2631	-	13 m?	-	-
Wall Transmission	21 m?	64	-	21 m?	198	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	13 m?	-31	-	13 m?	964	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	0 m?	0	-	0 m?	0	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	3 W	20	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	10	1539	2711	0	0	0
Infiltration	-	-23	-86	-	1193	4
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	4200	2625	-	2355	4

TABLE 1.19.B. ENVELOPE LOADS FOR SPACE " 208_Klasna " IN ZONE " Zone 1 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
E EXPOSURE						
WALL	21	0.280	-	64	-	198
WINDOW 1	13	2.200	0.811	-31	2631	964

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
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TABLE 1.20.A. COMPONENT LOADS FOR SPACE " 210_Klasna " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jun 0900 COOLING OA DB / WB 21.3 °C / 15.4 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 22.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	13 m?	2807	-	13 m?	-	-
Wall Transmission	14 m?	32	-	14 m?	136	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	13 m?	-100	-	13 m?	964	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	0 m?	0	-	0 m?	0	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	5 W	19	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	8	1231	2169	0	0	0
Infiltration	-	-102	-92	-	943	3
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	3887	2077	-	2043	3

TABLE 1.20.B. ENVELOPE LOADS FOR SPACE " 210_Klasna " IN ZONE " Zone 1 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
E EXPOSURE						
WALL	14	0.280	-	32	-	136
WINDOW 1	13	2.200	0.811	-100	2807	964

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
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TABLE 1.21.A. COMPONENT LOADS FOR SPACE " 211_Kasier " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jun 0900 COOLING OA DB / WB 21.3 °C / 15.4 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 22.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	6 m?	1404	-	6 m?	-	-
Wall Transmission	7 m?	17	-	7 m?	70	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	6 m?	-50	-	6 m?	482	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	0 m?	0	-	0 m?	0	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	3 W	10	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	1	154	271	0	0	0
Infiltration	-	-52	-47	-	481	1
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	1481	224	-	1033	1

TABLE 1.21.B. ENVELOPE LOADS FOR SPACE " 211_Kasier " IN ZONE " Zone 1 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
E EXPOSURE						
WALL	7	0.280	-	17	-	70
WINDOW 1	6	2.200	0.811	-50	1404	482

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
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TABLE 1.22.A. COMPONENT LOADS FOR SPACE " 212_Uchielska staq " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1000 COOLING OA DB / WB 24.3 °C / 16.7 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 22.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	10 m?	1973	-	10 m?	-	-
Wall Transmission	17 m?	54	-	17 m?	167	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	10 m?	-24	-	10 m?	723	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	0 m?	0	-	0 m?	0	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	3 W	16	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	8	1231	2169	0	0	0
Infiltration	-	-18	-68	-	943	3
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	3233	2101	-	1832	3

TABLE 1.22.B. ENVELOPE LOADS FOR SPACE " 212_Uchielska staq " IN ZONE " Zone 1 "						
	Area	U-Value	Shade	COOLING	COOLING	HEATING
	(m?)	(W/(m?-°K))	Coeff.	TRANS	SOLAR	TRANS
E EXPOSURE				(W)	(W)	(W)
WALL	17	0.280	-	54	-	167
WINDOW 1	10	2.200	0.811	-24	1973	723

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
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TABLE 1.23.A. COMPONENT LOADS FOR SPACE " 213_Direktor " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jun 0900 COOLING OA DB / WB 21.3 °C / 15.4 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 22.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	6 m?	1404	-	6 m?	-	-
Wall Transmission	7 m?	17	-	7 m?	70	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	6 m?	-50	-	6 m?	482	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	0 m?	0	-	0 m?	0	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	3 W	10	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	1	154	271	0	0	0
Infiltration	-	-52	-47	-	481	1
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	1481	224	-	1033	1

TABLE 1.23.B. ENVELOPE LOADS FOR SPACE " 213_Direktor " IN ZONE " Zone 1 "						
	Area	U-Value	Shade	COOLING	COOLING	HEATING
	(m?)	(W/(m?-°K))	Coeff.	TRANS	SOLAR	TRANS
E EXPOSURE				(W)	(W)	(W)
WALL	7	0.280	-	17	-	70
WINDOW 1	6	2.200	0.811	-50	1404	482

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
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TABLE 1.24.A. COMPONENT LOADS FOR SPACE " 214_Kancelariq " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1000 COOLING OA DB / WB 24.3 °C / 16.7 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 22.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	3 m?	658	-	3 m?	-	-
Wall Transmission	11 m?	33	-	11 m?	101	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	3 m?	-8	-	3 m?	241	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	0 m?	0	-	0 m?	0	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	1 W	8	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	1	154	271	0	0	0
Infiltration	-	-9	-35	-	481	1
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	835	236	-	823	1

TABLE 1.24.B. ENVELOPE LOADS FOR SPACE " 214_Kancelariq " IN ZONE " Zone 1 "						
	Area	U-Value	Shade	COOLING	COOLING	HEATING
	(m?)	(W/(m?-°K))	Coeff.	TRANS	SOLAR	TRANS
E EXPOSURE				(W)	(W)	(W)
WALL	11	0.280	-	33	-	101
WINDOW 1	3	2.200	0.811	-8	658	241

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
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TABLE 1.25.A. COMPONENT LOADS FOR SPACE " 301_Klasna Muzika " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Oct 1400 COOLING OA DB / WB 25.2 °C / 15.9 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 22.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	15 m?	3869	-	15 m?	-	-
Wall Transmission	63 m?	91	-	63 m?	603	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	15 m?	-68	-	15 m?	1156	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	0 m?	0	-	0 m?	0	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	11 W	23	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	5	769	1356	0	0	0
Infiltration	-	7	-206	-	1301	4
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	4692	1149	-	3060	4

TABLE 1.25.B. ENVELOPE LOADS FOR SPACE " 301_Klasna Muzika " IN ZONE " Zone 1 "						
	Area	U-Value	Shade	COOLING	COOLING	HEATING
	(m?)	(W/(m²·°K))	Coeff.	TRANS	SOLAR	TRANS
				(W)	(W)	(W)
E EXPOSURE						
WALL	22	0.280	-	20	-	211
S EXPOSURE						
WALL	22	0.280	-	82	-	206
WINDOW 1	13	2.200	0.811	-57	3542	964
W EXPOSURE						
WALL	19	0.280	-	-11	-	186
WINDOW 1	3	2.200	0.811	-11	327	193

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
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TABLE 1.26.A. COMPONENT LOADS FOR SPACE " 303_Klasna " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jun 0900 COOLING OA DB / WB 21.3 °C / 15.4 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 22.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	10 m?	2105	-	10 m?	-	-
Wall Transmission	12 m?	28	-	12 m?	119	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	10 m?	-75	-	10 m?	723	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	0 m?	0	-	0 m?	0	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	4 W	15	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	-83	-75	-	770	2
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	1990	-75	-	1611	2

TABLE 1.26.B. ENVELOPE LOADS FOR SPACE " 303_Klasna " IN ZONE " Zone 1 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
E EXPOSURE						
WALL	12	0.280	-	28	-	119
WINDOW 1	10	2.200	0.811	-75	2105	723

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
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TABLE 1.27.A. COMPONENT LOADS FOR SPACE " 304_Klasna " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jun 0900 COOLING OA DB / WB 21.3 °C / 15.4 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 22.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	16 m?	3509	-	16 m?	-	-
Wall Transmission	18 m?	41	-	18 m?	172	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	16 m?	-126	-	16 m?	1205	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	0 m?	0	-	0 m?	0	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	7 W	24	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	10	1539	2711	0	0	0
Infiltration	-	-129	-116	-	1193	4
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	4858	2595	-	2570	4

TABLE 1.27.B. ENVELOPE LOADS FOR SPACE " 304_Klasna " IN ZONE " Zone 1 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
E EXPOSURE						
WALL	18	0.280	-	41	-	172
WINDOW 1	16	2.200	0.811	-126	3509	1205

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
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TABLE 1.28.A. COMPONENT LOADS FOR SPACE " 305_Klasna " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jun 0900 COOLING OA DB / WB 21.3 °C / 15.4 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 22.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	10 m?	2105	-	10 m?	-	-
Wall Transmission	9 m?	21	-	9 m?	90	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	10 m?	-75	-	10 m?	723	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	0 m?	0	-	0 m?	0	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	4 W	14	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	8	1231	2169	0	0	0
Infiltration	-	-77	-69	-	712	2
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	3219	2099	-	1525	2

TABLE 1.28.B. ENVELOPE LOADS FOR SPACE " 305_Klasna " IN ZONE " Zone 1 "						
	Area	U-Value	Shade	COOLING	COOLING	HEATING
	(m?)	(W/(m?-°K))	Coeff.	TRANS	SOLAR	TRANS
E EXPOSURE				(W)	(W)	(W)
WALL	9	0.280	-	21	-	90
WINDOW 1	10	2.200	0.811	-75	2105	723

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
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TABLE 1.29.A. COMPONENT LOADS FOR SPACE " 306_Klasna " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1000 COOLING OA DB / WB 24.3 °C / 16.7 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 22.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	13 m?	2631	-	13 m?	-	-
Wall Transmission	21 m?	64	-	21 m?	198	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	13 m?	-31	-	13 m?	964	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	0 m?	0	-	0 m?	0	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	3 W	20	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	10	1539	2711	0	0	0
Infiltration	-	-23	-86	-	1193	4
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	4200	2625	-	2355	4

TABLE 1.29.B. ENVELOPE LOADS FOR SPACE " 306_Klasna " IN ZONE " Zone 1 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
E EXPOSURE						
WALL	21	0.280	-	64	-	198
WINDOW 1	13	2.200	0.811	-31	2631	964

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
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TABLE 1.30.A. COMPONENT LOADS FOR SPACE " 307_Klasna " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jun 0900 COOLING OA DB / WB 21.3 °C / 15.4 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 22.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	13 m?	2807	-	13 m?	-	-
Wall Transmission	14 m?	32	-	14 m?	136	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	13 m?	-100	-	13 m?	964	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	0 m?	0	-	0 m?	0	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	5 W	19	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	8	1231	2169	0	0	0
Infiltration	-	-102	-92	-	943	3
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	3887	2077	-	2043	3

TABLE 1.30.B. ENVELOPE LOADS FOR SPACE " 307_Klasna " IN ZONE " Zone 1 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
E EXPOSURE						
WALL	14	0.280	-	32	-	136
WINDOW 1	13	2.200	0.811	-100	2807	964

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
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TABLE 1.31.A. COMPONENT LOADS FOR SPACE " 308_Hanilishte " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jun 0900 COOLING OA DB / WB 21.3 °C / 15.4 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 22.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	6 m?	1404	-	6 m?	-	-
Wall Transmission	7 m?	17	-	7 m?	70	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	6 m?	-50	-	6 m?	482	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	0 m?	0	-	0 m?	0	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	3 W	10	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	1	154	271	0	0	0
Infiltration	-	-52	-47	-	481	1
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	1481	224	-	1033	1

TABLE 1.31.B. ENVELOPE LOADS FOR SPACE " 308_Hanilishte " IN ZONE " Zone 1 "						
	Area	U-Value	Shade	COOLING	COOLING	HEATING
	(m?)	(W/(m?-°K))	Coeff.	TRANS	SOLAR	TRANS
E EXPOSURE				(W)	(W)	(W)
WALL	7	0.280	-	17	-	70
WINDOW 1	6	2.200	0.811	-50	1404	482

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
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TABLE 1.32.A. COMPONENT LOADS FOR SPACE " 309_Klasna staq " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1000 COOLING OA DB / WB 24.3 °C / 16.7 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 22.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	10 m?	1973	-	10 m?	-	-
Wall Transmission	17 m?	54	-	17 m?	167	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	10 m?	-24	-	10 m?	723	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	0 m?	0	-	0 m?	0	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	3 W	16	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	8	1231	2169	0	0	0
Infiltration	-	-18	-68	-	943	3
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	3233	2101	-	1832	3

TABLE 1.32.B. ENVELOPE LOADS FOR SPACE " 309_Klasna staq " IN ZONE " Zone 1 "						
	Area	U-Value	Shade	COOLING	COOLING	HEATING
	(m?)	(W/(m?-°K))	Coeff.	TRANS	SOLAR	TRANS
E EXPOSURE				(W)	(W)	(W)
WALL	17	0.280	-	54	-	167
WINDOW 1	10	2.200	0.811	-24	1973	723

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
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TABLE 1.33.A. COMPONENT LOADS FOR SPACE " 310_Klasna staq " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1000 COOLING OA DB / WB 24.3 °C / 16.7 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 22.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	10 m?	1973	-	10 m?	-	-
Wall Transmission	15 m?	48	-	15 m?	148	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	10 m?	-24	-	10 m?	723	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	0 m?	0	-	0 m?	0	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	3 W	16	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	8	1231	2169	0	0	0
Infiltration	-	-18	-68	-	943	3
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	3227	2101	-	1813	3

TABLE 1.33.B. ENVELOPE LOADS FOR SPACE " 310_Klasna staq " IN ZONE " Zone 1 "						
	Area	U-Value	Shade	COOLING	COOLING	HEATING
	(m?)	(W/(m?-°K))	Coeff.	TRANS	SOLAR	TRANS
E EXPOSURE				(W)	(W)	(W)
WALL	15	0.280	-	48	-	148
WINDOW 1	10	2.200	0.811	-24	1973	723

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
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TABLE 1.34.A. COMPONENT LOADS FOR SPACE " 313_Kabinet " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1600 COOLING OA DB / WB 30.7 °C / 18.8 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 22.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	1 m?	167	-	1 m?	-	-
Wall Transmission	9 m?	35	-	9 m?	87	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	1 m?	10	-	1 m?	90	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	0 m?	0	-	0 m?	0	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	55 W	33	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	8	1231	2169	0	0	0
Infiltration	-	42	-14	-	250	1
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	1519	2155	-	428	1

TABLE 1.34.B. ENVELOPE LOADS FOR SPACE " 313_Kabinet " IN ZONE " Zone 1 "						
	Area	U-Value	Shade	COOLING	COOLING	HEATING
	(m?)	(W/(m²·°K))	Coeff.	TRANS	SOLAR	TRANS
E EXPOSURE				(W)	(W)	(W)
WALL	9	0.280	-	35	-	87
WINDOW 1	1	2.200	0.811	8	139	75
WINDOW 2	0	2.200	0.811	2	28	15

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
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TABLE 1.35.A. COMPONENT LOADS FOR SPACE " 314_Kabinet " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jun 0900 COOLING OA DB / WB 21.3 °C / 15.4 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 22.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	4 m?	833	-	4 m?	-	-
Wall Transmission	7 m?	15	-	7 m?	62	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	4 m?	-30	-	4 m?	286	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	0 m?	0	-	0 m?	0	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	1 W	5	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	8	1231	2169	0	0	0
Infiltration	-	-27	-24	-	250	1
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	2027	2144	-	599	1

TABLE 1.35.B. ENVELOPE LOADS FOR SPACE " 314_Kabinet " IN ZONE " Zone 1 "						
	Area	U-Value	Shade	COOLING	COOLING	HEATING
	(m?)	(W/(m?-°K))	Coeff.	TRANS	SOLAR	TRANS
E EXPOSURE				(W)	(W)	(W)
WALL	7	0.280	-	15	-	62
WINDOW 1	3	2.200	0.811	-24	658	226
WINDOW 2	1	2.200	0.811	-6	175	60

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
Prepared by: Primex

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TABLE 1.36.A. COMPONENT LOADS FOR SPACE " 401_Klasna Muzika " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Sep 1400 COOLING OA DB / WB 28.7 °C / 17.7 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 22.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	15 m?	3461	-	15 m?	-	-
Wall Transmission	79 m?	206	-	79 m?	755	-
Roof Transmission	73 m?	562	-	73 m?	750	-
Window Transmission	15 m?	52	-	15 m?	1156	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	0 m?	0	-	0 m?	0	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	11 W	23	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	5	769	1356	0	0	0
Infiltration	-	177	-172	-	1616	5
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	5250	1184	-	4278	5

TABLE 1.36.B. ENVELOPE LOADS FOR SPACE " 401_Klasna Muzika " IN ZONE " Zone 1 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
E EXPOSURE						
WALL	26	0.280	-	65	-	247
S EXPOSURE						
WALL	30	0.280	-	124	-	286
WINDOW 1	13	2.200	0.811	44	3097	964
W EXPOSURE						
WALL	23	0.280	-	16	-	223
WINDOW 1	3	2.200	0.811	9	365	193
H EXPOSURE						
ROOF	73	0.300	-	562	-	750

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
Prepared by: Primex

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TABLE 1.37.A. COMPONENT LOADS FOR SPACE " 403_Klasna " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1000 COOLING OA DB / WB 24.3 °C / 16.7 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 22.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	10 m?	1973	-	10 m?	-	-
Wall Transmission	16 m?	50	-	16 m?	155	-
Roof Transmission	44 m?	347	-	44 m?	447	-
Window Transmission	10 m?	-24	-	10 m?	723	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	0 m?	0	-	0 m?	0	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	2 W	14	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	-19	-71	-	981	3
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	2341	-71	-	2306	3

TABLE 1.37.B. ENVELOPE LOADS FOR SPACE " 403_Klasna " IN ZONE " Zone 1 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
E EXPOSURE						
WALL	16	0.280	-	50	-	155
WINDOW 1	10	2.200	0.811	-24	1973	723
H EXPOSURE						
ROOF	44	0.300	-	347	-	447

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
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TABLE 1.38.A. COMPONENT LOADS FOR SPACE " 404_Klasna " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1000 COOLING OA DB / WB 24.3 °C / 16.7 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 22.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	16 m?	3289	-	16 m?	-	-
Wall Transmission	25 m?	79	-	25 m?	243	-
Roof Transmission	67 m?	534	-	67 m?	688	-
Window Transmission	16 m?	-39	-	16 m?	1205	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	0 m?	0	-	0 m?	0	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	3 W	21	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	10	1539	2711	0	0	0
Infiltration	-	-30	-110	-	1528	5
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	5393	2601	-	3664	5

TABLE 1.38.B. ENVELOPE LOADS FOR SPACE " 404_Klasna " IN ZONE " Zone 1 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
E EXPOSURE						
WALL	25	0.280	-	79	-	243
WINDOW 1	16	2.200	0.811	-39	3289	1205
H EXPOSURE						
ROOF	67	0.300	-	534	-	688

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
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TABLE 1.39.A. COMPONENT LOADS FOR SPACE " 405_Klasna " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1000 COOLING OA DB / WB 24.3 °C / 16.7 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 22.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	10 m?	1973	-	10 m?	-	-
Wall Transmission	15 m?	47	-	15 m?	144	-
Roof Transmission	40 m?	319	-	40 m?	411	-
Window Transmission	10 m?	-24	-	10 m?	723	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	0 m?	0	-	0 m?	0	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	2 W	12	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	8	1231	2169	0	0	0
Infiltration	-	-18	-66	-	912	3
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	3541	2103	-	2189	3

TABLE 1.39.B. ENVELOPE LOADS FOR SPACE " 405_Klasna " IN ZONE " Zone 1 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
E EXPOSURE						
WALL	15	0.280	-	47	-	144
WINDOW 1	10	2.200	0.811	-24	1973	723
H EXPOSURE						
ROOF	40	0.300	-	319	-	411

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
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TABLE 1.40.A. COMPONENT LOADS FOR SPACE " 406_Klasna " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1000 COOLING OA DB / WB 24.3 °C / 16.7 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 22.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	13 m?	2631	-	13 m?	-	-
Wall Transmission	29 m?	90	-	29 m?	278	-
Roof Transmission	65 m?	518	-	65 m?	667	-
Window Transmission	13 m?	-31	-	13 m?	964	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	0 m?	0	-	0 m?	0	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	3 W	20	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	10	1539	2711	0	0	0
Infiltration	-	-30	-110	-	1528	5
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	4738	2601	-	3437	5

TABLE 1.40.B. ENVELOPE LOADS FOR SPACE " 406_Klasna " IN ZONE " Zone 1 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
E EXPOSURE						
WALL	29	0.280	-	90	-	278
WINDOW 1	13	2.200	0.811	-31	2631	964
H EXPOSURE						
ROOF	65	0.300	-	518	-	667

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
Prepared by: Primex

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TABLE 1.41.A. COMPONENT LOADS FOR SPACE " 407_Klasna " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1000 COOLING OA DB / WB 24.3 °C / 16.7 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 22.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	13 m?	2631	-	13 m?	-	-
Wall Transmission	21 m?	65	-	21 m?	201	-
Roof Transmission	53 m?	423	-	53 m?	544	-
Window Transmission	13 m?	-31	-	13 m?	964	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	0 m?	0	-	0 m?	0	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	3 W	16	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	8	1231	2169	0	0	0
Infiltration	-	-24	-87	-	1208	4
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	4312	2082	-	2917	4

TABLE 1.41.B. ENVELOPE LOADS FOR SPACE " 407_Klasna " IN ZONE " Zone 1 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
E EXPOSURE						
WALL	21	0.280	-	65	-	201
WINDOW 1	13	2.200	0.811	-31	2631	964
H EXPOSURE						
ROOF	53	0.300	-	423	-	544

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
Prepared by: Primex

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TABLE 1.42.A. COMPONENT LOADS FOR SPACE " 408_Hranilishte " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1000 COOLING OA DB / WB 24.3 °C / 16.7 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 22.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	6 m?	1316	-	6 m?	-	-
Wall Transmission	11 m?	33	-	11 m?	103	-
Roof Transmission	27 m?	215	-	27 m?	277	-
Window Transmission	6 m?	-16	-	6 m?	482	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	0 m?	0	-	0 m?	0	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	1 W	8	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	1	154	271	0	0	0
Infiltration	-	-12	-44	-	616	2
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	1699	227	-	1477	2

TABLE 1.42.B. ENVELOPE LOADS FOR SPACE " 408_Hranilishte " IN ZONE " Zone 1 "						
	Area	U-Value	Shade	COOLING	COOLING	HEATING
	(m?)	(W/(m?-°K))	Coeff.	TRANS	SOLAR	TRANS
				(W)	(W)	(W)
E EXPOSURE						
WALL	11	0.280	-	33	-	103
WINDOW 1	6	2.200	0.811	-16	1316	482
H EXPOSURE						
ROOF	27	0.300	-	215	-	277

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
Prepared by: Primex

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TABLE 1.43.A. COMPONENT LOADS FOR SPACE " 409_Klasna staq " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1000 COOLING OA DB / WB 24.3 °C / 16.7 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 22.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	10 m?	1973	-	10 m?	-	-
Wall Transmission	24 m?	75	-	24 m?	231	-
Roof Transmission	53 m?	423	-	53 m?	544	-
Window Transmission	10 m?	-24	-	10 m?	723	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	0 m?	0	-	0 m?	0	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	3 W	16	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	8	1231	2169	0	0	0
Infiltration	-	-24	-87	-	1208	4
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	3671	2082	-	2706	4

TABLE 1.43.B. ENVELOPE LOADS FOR SPACE " 409_Klasna staq " IN ZONE " Zone 1 "						
	Area	U-Value	Shade	COOLING	COOLING	HEATING
	(m?)	(W/(m?-°K))	Coeff.	TRANS	SOLAR	TRANS
				(W)	(W)	(W)
E EXPOSURE						
WALL	24	0.280	-	75	-	231
WINDOW 1	10	2.200	0.811	-24	1973	723
H EXPOSURE						
ROOF	53	0.300	-	423	-	544

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
Prepared by: Primex

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TABLE 1.44.A. COMPONENT LOADS FOR SPACE " 410_Klasna staq " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1000 COOLING OA DB / WB 24.3 °C / 16.7 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 22.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	13 m?	2631	-	13 m?	-	-
Wall Transmission	19 m?	58	-	19 m?	177	-
Roof Transmission	53 m?	423	-	53 m?	544	-
Window Transmission	13 m?	-31	-	13 m?	964	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	0 m?	0	-	0 m?	0	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	3 W	16	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	8	1231	2169	0	0	0
Infiltration	-	-24	-87	-	1208	4
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	4304	2082	-	2893	4

TABLE 1.44.B. ENVELOPE LOADS FOR SPACE " 410_Klasna staq " IN ZONE " Zone 1 "						
	Area	U-Value	Shade	COOLING	COOLING	HEATING
	(m?)	(W/(m?-°K))	Coeff.	TRANS	SOLAR	TRANS
				(W)	(W)	(W)
E EXPOSURE						
WALL	19	0.280	-	58	-	177
WINDOW 1	13	2.200	0.811	-31	2631	964
H EXPOSURE						
ROOF	53	0.300	-	423	-	544

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
Prepared by: Primex

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TABLE 1.45.A. COMPONENT LOADS FOR SPACE " 413_Hranilishte " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1300 COOLING OA DB / WB 29.8 °C / 18.5 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 22.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	10 m?	1597	-	10 m?	-	-
Wall Transmission	25 m?	105	-	25 m?	244	-
Roof Transmission	97 m?	1084	-	97 m?	996	-
Window Transmission	10 m?	62	-	10 m?	771	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	0 m?	0	-	0 m?	0	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	3 W	8	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	2	135	70	0	0	0
Infiltration	-	107	-51	-	764	2
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	3098	20	-	2775	2

TABLE 1.45.B. ENVELOPE LOADS FOR SPACE " 413_Hranilishte " IN ZONE " Zone 1 "						
	Area	U-Value	Shade	COOLING	COOLING	HEATING
	(m?)	(W/(m?-°K))	Coeff.	TRANS	SOLAR	TRANS
				(W)	(W)	(W)
E EXPOSURE						
WALL	25	0.280	-	105	-	244
WINDOW 1	10	2.200	0.811	62	1597	771
H EXPOSURE						
ROOF	97	0.300	-	1084	-	996

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
Prepared by: Primex

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TABLE 1.46.A. COMPONENT LOADS FOR SPACE " 119_Bufet " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Aug 1600 COOLING OA DB / WB 30.7 °C / 18.8 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 22.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	0 m?	0	-	0 m?	-	-
Wall Transmission	16 m?	73	-	16 m?	153	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	0 m?	0	-	0 m?	0	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	21 m?	0	-	21 m?	165	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	85 W	51	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	65	-21	-	385	1
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	189	-21	-	703	1

TABLE 1.46.B. ENVELOPE LOADS FOR SPACE " 119_Bufet " IN ZONE " Zone 1 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
S EXPOSURE						
WALL	16	0.280	-	73	-	153

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
Prepared by: Primex

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TABLE 1.47.A. COMPONENT LOADS FOR SPACE " 203_ " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1700 COOLING OA DB / WB 29.9 °C / 18.5 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 22.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	5 m?	1199	-	5 m?	-	-
Wall Transmission	5 m?	23	-	5 m?	53	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	5 m?	38	-	5 m?	385	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	0 m?	0	-	0 m?	0	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	86 W	54	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	120 W	106	-	0	0	-
People	1	67	35	0	0	0
Infiltration	-	53	-20	-	369	1
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	1539	15	-	807	1

TABLE 1.47.B. ENVELOPE LOADS FOR SPACE " 203_ " IN ZONE " Zone 1 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
W EXPOSURE						
WALL	5	0.280	-	23	-	53
WINDOW 1	5	2.200	0.811	38	1199	385

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
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TABLE 2.1.A. COMPONENT LOADS FOR SPACE " 104 " IN ZONE " Zone 2 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1600 COOLING OA DB / WB 30.7 °C / 18.8 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 20.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	7 m?	1269	-	7 m?	-	-
Wall Transmission	18 m?	64	-	18 m?	164	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	7 m?	62	-	7 m?	523	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	37 m?	0	-	37 m?	248	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	151 W	91	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	109	-36	-	609	-2
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	1595	-36	-	1544	-2

TABLE 2.1.B. ENVELOPE LOADS FOR SPACE " 104 " IN ZONE " Zone 2 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
E EXPOSURE						
WALL	8	0.280	-	33	-	76
WINDOW 1	4	2.200	0.811	33	558	284
WINDOW 2	0	2.200	0.811	3	56	28
W EXPOSURE						
WALL	10	0.280	-	31	-	89
WINDOW 1	3	2.200	0.811	24	633	204
WINDOW 2	0	2.200	0.811	1	22	7

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
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TABLE 2.2.A. COMPONENT LOADS FOR SPACE " 107_Predverie " IN ZONE " Zone 2 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1000 COOLING OA DB / WB 24.3 °C / 16.7 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 20.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	5 m?	1114	-	5 m?	-	-
Wall Transmission	8 m?	25	-	8 m?	71	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	5 m?	-13	-	5 m?	384	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	27 m?	0	-	27 m?	194	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	1 W	9	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	-10	-28	-	471	-2
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	1124	-28	-	1120	-2

TABLE 2.2.B. ENVELOPE LOADS FOR SPACE " 107_Predverie " IN ZONE " Zone 2 "						
	Area	U-Value	Shade	COOLING	COOLING	HEATING
	(m?)	(W/(m?-°K))	Coeff.	TRANS	SOLAR	TRANS
E EXPOSURE				(W)	(W)	(W)
WALL	8	0.280	-	25	-	71
WINDOW 1	5	2.200	0.811	-13	1053	363
WINDOW 2	0	2.200	0.811	-1	62	21

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
Prepared by: Primex

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TABLE 2.3.A. COMPONENT LOADS FOR SPACE " 108_Sklad " IN ZONE " Zone 2 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1000 COOLING OA DB / WB 24.3 °C / 16.7 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 20.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	3 m?	526	-	3 m?	-	-
Wall Transmission	10 m?	30	-	10 m?	88	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	3 m?	-6	-	3 m?	181	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	9 m?	0	-	9 m?	73	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	0 W	3	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	-4	-10	-	156	-1
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	549	-10	-	498	-1

TABLE 2.3.B. ENVELOPE LOADS FOR SPACE " 108_Sklad " IN ZONE " Zone 2 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
E EXPOSURE						
WALL	10	0.280	-	30	-	88
WINDOW 1	3	2.200	0.811	-6	526	181

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
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TABLE 2.4.A. COMPONENT LOADS FOR SPACE " 112_Koridor " IN ZONE " Zone 2 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1700 COOLING OA DB / WB 29.9 °C / 18.5 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 20.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	39 m?	9045	-	39 m?	-	-
Wall Transmission	171 m?	710	-	171 m?	1546	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	39 m?	284	-	39 m?	2739	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	180 m?	0	-	180 m?	683	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	720 W	451	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	445	-176	-	2924	-9
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	10935	-176	-	7892	-9

TABLE 2.4.B. ENVELOPE LOADS FOR SPACE " 112_Koridor " IN ZONE " Zone 2 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
W EXPOSURE						
WALL	171	0.280	-	710	-	1546
WINDOW 1	39	2.200	0.811	284	9045	2739

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
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TABLE 2.5.A. COMPONENT LOADS FOR SPACE " 113_WC " IN ZONE " Zone 2 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1000 COOLING OA DB / WB 24.3 °C / 16.7 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 20.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	5 m?	1053	-	5 m?	-	-
Wall Transmission	15 m?	45	-	15 m?	132	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	5 m?	-13	-	5 m?	363	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	35 m?	0	-	35 m?	233	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	2 W	11	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	1	82	79	0	0	0
Infiltration	-	-12	-33	-	562	-2
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	1166	46	-	1289	-2

TABLE 2.5.B. ENVELOPE LOADS FOR SPACE " 113_WC " IN ZONE " Zone 2 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
E EXPOSURE						
WALL	15	0.280	-	45	-	132
WINDOW 1	5	2.200	0.811	-13	1053	363

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
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TABLE 2.6.A. COMPONENT LOADS FOR SPACE " 115_Sklad " IN ZONE " Zone 2 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1600 COOLING OA DB / WB 30.7 °C / 18.8 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 20.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	0 m?	0	-	0 m?	-	-
Wall Transmission	0 m?	0	-	0 m?	0	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	0 m?	0	-	0 m?	0	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	20 m?	0	-	20 m?	152	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	83 W	50	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	59	-20	-	333	-1
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	109	-20	-	485	-1

TABLE 2.6.B. ENVELOPE LOADS FOR SPACE " 115_Sklad " IN ZONE " Zone 2 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
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TABLE 2.7.A. COMPONENT LOADS FOR SPACE " 116_foai " IN ZONE " Zone 2 "

	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1700 COOLING OA DB / WB 29.9 °C / 18.5 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 20.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	24 m?	4115	-	24 m?	-	-
Wall Transmission	73 m?	199	-	73 m?	659	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	24 m?	177	-	24 m?	1708	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	217 m?	0	-	217 m?	750	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	868 W	543	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	568	-225	-	3732	-12
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	5602	-225	-	6850	-12

TABLE 2.7.B. ENVELOPE LOADS FOR SPACE " 116_foai " IN ZONE " Zone 2 "

	Area	U-Value	Shade	COOLING	COOLING	HEATING
	(m?)	(W/(m?-°K))	Coeff.	TRANS	SOLAR	TRANS
				(W)	(W)	(W)
W EXPOSURE						
WALL	20	0.280	-	85	-	184
WINDOW 1	15	2.200	0.811	110	3511	1063
WINDOW 2	0	2.200	0.811	2	70	21
N EXPOSURE						
WALL	41	0.280	-	69	-	367
WINDOW 1	8	2.200	0.811	59	485	567
WINDOW 2	1	2.200	0.811	6	48	57
E EXPOSURE						
WALL	12	0.280	-	46	-	108

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
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TABLE 2.8.A. COMPONENT LOADS FOR SPACE " 117_Sklad " IN ZONE " Zone 2 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jun 1800 COOLING OA DB / WB 27.3 °C / 17.4 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 20.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	4 m?	277	-	4 m?	-	-
Wall Transmission	27 m?	88	-	27 m?	245	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	4 m?	10	-	4 m?	255	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	22 m?	0	-	22 m?	159	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	86 W	56	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	27	-32	-	370	-1
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	458	-32	-	1029	-1

TABLE 2.8.B. ENVELOPE LOADS FOR SPACE " 117_Sklad " IN ZONE " Zone 2 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m²·°K))	Coeff.	(W)	(W)	(W)
W EXPOSURE						
WALL	14	0.280	-	65	-	124
N EXPOSURE						
WALL	13	0.280	-	22	-	121
WINDOW 1	3	2.200	0.811	9	231	213
WINDOW 2	1	2.200	0.811	2	46	43

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
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TABLE 2.9.A. COMPONENT LOADS FOR SPACE " 118_Sklad " IN ZONE " Zone 2 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Aug 1600 COOLING OA DB / WB 30.7 °C / 18.8 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 20.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	0 m?	0	-	0 m?	-	-
Wall Transmission	16 m?	73	-	16 m?	144	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	0 m?	0	-	0 m?	0	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	11 m?	0	-	11 m?	84	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	43 W	26	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	32	-11	-	181	-1
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	131	-11	-	410	-1

TABLE 2.9.B. ENVELOPE LOADS FOR SPACE " 118_Sklad " IN ZONE " Zone 2 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
S EXPOSURE						
WALL	16	0.280	-	73	-	144

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
Prepared by: Primex

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TABLE 2.10.A. COMPONENT LOADS FOR SPACE " 120_Salon " IN ZONE " Zone 2 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1600 COOLING OA DB / WB 30.7 °C / 18.8 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 20.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	0 m²	0	-	0 m²	-	-
Wall Transmission	122 m²	449	-	122 m²	1100	-
Roof Transmission	205 m²	1883	-	205 m²	2050	-
Window Transmission	0 m²	0	-	0 m²	0	-
Skylight Transmission	0 m²	0	-	0 m²	0	-
Door Loads	0 m²	0	-	0 m²	0	-
Floor Transmission	205 m²	0	-	205 m²	730	-
Partitions	0 m²	0	-	0 m²	0	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	830 W	500	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	1112	-368	-	6232	-20
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	3943	-368	-	10111	-20

TABLE 2.10.B. ENVELOPE LOADS FOR SPACE " 120_Salon " IN ZONE " Zone 2 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m²)	(W/(m²·°K))	Coeff.	(W)	(W)	(W)
S EXPOSURE						
WALL	122	0.280	-	449	-	1100
H EXPOSURE						
ROOF	205	0.310	-	1883	-	2050

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
Prepared by: Primex

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TABLE 2.11.A. COMPONENT LOADS FOR SPACE " 204 " IN ZONE " Zone 2 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1700 COOLING OA DB / WB 29.9 °C / 18.5 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 20.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	7 m?	1423	-	7 m?	-	-
Wall Transmission	19 m?	74	-	19 m?	169	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	7 m?	50	-	7 m?	483	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	0 m?	0	-	0 m?	0	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	150 W	94	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	2	308	542	0	0	0
Infiltration	-	93	-37	-	609	-2
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	2041	506	-	1262	-2

TABLE 2.11.B. ENVELOPE LOADS FOR SPACE " 204 " IN ZONE " Zone 2 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
E EXPOSURE						
WALL	11	0.280	-	42	-	100
WINDOW 1	1	2.200	0.811	7	132	71
WINDOW 2	1	2.200	0.811	5	92	50
W EXPOSURE						
WALL	8	0.280	-	32	-	69
WINDOW 1	5	2.200	0.811	38	1199	363

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
Prepared by: Primex

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TABLE 2.12.A. COMPONENT LOADS FOR SPACE " 209_Koridor " IN ZONE " Zone 2 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1700 COOLING OA DB / WB 29.9 °C / 18.5 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 20.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	77 m?	17978	-	77 m?	-	-
Wall Transmission	126 m?	523	-	126 m?	1139	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	77 m?	564	-	77 m?	5444	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	0 m?	0	-	0 m?	0	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	912 W	571	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	2	308	542	0	0	0
Infiltration	-	581	-230	-	3822	-12
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	20525	312	-	10405	-12

TABLE 2.12.B. ENVELOPE LOADS FOR SPACE " 209_Koridor " IN ZONE " Zone 2 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
W EXPOSURE						
WALL	126	0.280	-	523	-	1139
WINDOW 1	77	2.200	0.811	564	17978	5444

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
Prepared by: Primex

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TABLE 2.13.A. COMPONENT LOADS FOR SPACE " 215_Foai " IN ZONE " Zone 2 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1700 COOLING OA DB / WB 29.9 °C / 18.5 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 20.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	13 m?	2963	-	13 m?	-	-
Wall Transmission	78 m?	268	-	78 m?	703	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	13 m?	98	-	13 m?	950	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	0 m?	0	-	0 m?	0	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	460 W	288	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	3	462	813	0	0	0
Infiltration	-	292	-116	-	1920	-6
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	4372	698	-	3573	-6

TABLE 2.13.B. ENVELOPE LOADS FOR SPACE " 215_Foai " IN ZONE " Zone 2 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
E EXPOSURE						
WALL	48	0.280	-	183	-	435
N EXPOSURE						
WALL	16	0.280	-	26	-	140
WINDOW 1	1	2.200	0.811	7	61	71
W EXPOSURE						
WALL	14	0.280	-	59	-	128
WINDOW 1	12	2.200	0.811	88	2809	851
WINDOW 2	0	2.200	0.811	3	94	28

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
Prepared by: Primex

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TABLE 2.14.A. COMPONENT LOADS FOR SPACE " 216_WC " IN ZONE " Zone 2 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jun 1800 COOLING OA DB / WB 27.3 °C / 17.4 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 20.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	4 m?	324	-	4 m?	-	-
Wall Transmission	36 m?	128	-	36 m?	322	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	4 m?	12	-	4 m?	298	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	0 m?	0	-	0 m?	0	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	144 W	93	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	1	154	271	0	0	0
Infiltration	-	44	-53	-	601	-2
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	754	218	-	1221	-2

TABLE 2.14.B. ENVELOPE LOADS FOR SPACE " 216_WC " IN ZONE " Zone 2 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
N EXPOSURE						
WALL	14	0.280	-	23	-	123
WINDOW 1	4	2.200	0.811	11	308	284
WINDOW 2	0	2.200	0.811	1	15	14
W EXPOSURE						
WALL	22	0.280	-	105	-	199

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
Prepared by: Primex

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TABLE 2.15.A COMPONENT LOADS FOR SPACE " 302_Stalbi " IN ZONE " Zone 2 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1700 COOLING OA DB / WB 29.9 °C / 18.5 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 20.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	7 m?	1423	-	7 m?	-	-
Wall Transmission	19 m?	74	-	19 m?	169	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	7 m?	50	-	7 m?	483	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	0 m?	0	-	0 m?	0	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	150 W	94	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	2	308	542	0	0	0
Infiltration	-	93	-37	-	609	-2
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	2041	506	-	1262	-2

TABLE 2.15.B. ENVELOPE LOADS FOR SPACE " 302_Stalbi " IN ZONE " Zone 2 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
E EXPOSURE						
WALL	11	0.280	-	42	-	100
WINDOW 1	1	2.200	0.811	7	132	71
WINDOW 2	1	2.200	0.811	5	92	50
W EXPOSURE						
WALL	8	0.280	-	32	-	69
WINDOW 1	5	2.200	0.811	38	1199	363

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
Prepared by: Primex

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TABLE 2.16.A. COMPONENT LOADS FOR SPACE " 311_Koridor " IN ZONE " Zone 2 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1700 COOLING OA DB / WB 29.9 °C / 18.5 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 20.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	77 m?	17978	-	77 m?	-	-
Wall Transmission	124 m?	515	-	124 m?	1120	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	77 m?	564	-	77 m?	5444	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	0 m?	0	-	0 m?	0	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	912 W	571	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	2	308	542	0	0	0
Infiltration	-	581	-230	-	3822	-12
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	20517	312	-	10387	-12

TABLE 2.16.B. ENVELOPE LOADS FOR SPACE " 311_Koridor " IN ZONE " Zone 2 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
W EXPOSURE						
WALL	124	0.280	-	515	-	1120
WINDOW 1	77	2.200	0.811	564	17978	5444

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
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TABLE 2.17.A. COMPONENT LOADS FOR SPACE " 312_Koridor " IN ZONE " Zone 2 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1700 COOLING OA DB / WB 29.9 °C / 18.5 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 20.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	5 m?	1199	-	5 m?	-	-
Wall Transmission	11 m?	47	-	11 m?	103	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	5 m?	38	-	5 m?	363	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	0 m?	0	-	0 m?	0	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	126 W	79	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	1	154	271	0	0	0
Infiltration	-	80	-32	-	525	-2
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	1596	239	-	991	-2

TABLE 2.17.B. ENVELOPE LOADS FOR SPACE " 312_Koridor " IN ZONE " Zone 2 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
W EXPOSURE						
WALL	11	0.280	-	47	-	103
WINDOW 1	5	2.200	0.811	38	1199	363

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
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TABLE 2.18.A. COMPONENT LOADS FOR SPACE " 315_Foai " IN ZONE " Zone 2 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1700 COOLING OA DB / WB 29.9 °C / 18.5 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 20.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	6 m?	1259	-	6 m?	-	-
Wall Transmission	23 m?	55	-	23 m?	205	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	6 m?	45	-	6 m?	434	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	0 m?	0	-	0 m?	0	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	256 W	160	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	1	154	271	0	0	0
Infiltration	-	165	-66	-	1087	-4
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	1839	206	-	1725	-4

TABLE 2.18.B. ENVELOPE LOADS FOR SPACE " 315_Foai " IN ZONE " Zone 2 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
W EXPOSURE						
WALL	7	0.280	-	29	-	62
WINDOW 1	5	2.200	0.811	38	1199	363
N EXPOSURE						
WALL	16	0.280	-	27	-	143
WINDOW 1	1	2.200	0.811	7	61	71

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
Prepared by: Primex

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TABLE 2.19.A. COMPONENT LOADS FOR SPACE " 316_WC " IN ZONE " Zone 2 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1700 COOLING OA DB / WB 29.9 °C / 18.5 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 20.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	6 m?	793	-	6 m?	-	-
Wall Transmission	34 m?	106	-	34 m?	308	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	6 m?	42	-	6 m?	408	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	0 m?	0	-	0 m?	0	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	144 W	90	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	1	154	271	0	0	0
Infiltration	-	91	-36	-	601	-2
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	1277	235	-	1318	-2

TABLE 2.19.B. ENVELOPE LOADS FOR SPACE " 316_WC " IN ZONE " Zone 2 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
N EXPOSURE						
WALL	15	0.280	-	25	-	132
WINDOW 1	3	2.200	0.811	22	182	213
WINDOW 2	0	2.200	0.811	1	12	14
W EXPOSURE						
WALL	20	0.280	-	81	-	176
WINDOW 1	3	2.200	0.811	19	599	181

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
Prepared by: Primex

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TABLE 2.20.A COMPONENT LOADS FOR SPACE " 402_Stalbi " IN ZONE " Zone 2 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1600 COOLING OA DB / WB 30.7 °C / 18.8 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 20.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	7 m?	1363	-	7 m?	-	-
Wall Transmission	32 m?	114	-	32 m?	287	-
Roof Transmission	37 m?	333	-	37 m?	362	-
Window Transmission	7 m?	57	-	7 m?	483	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	0 m?	0	-	0 m?	0	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	151 W	91	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	2	308	542	0	0	0
Infiltration	-	139	-46	-	779	-3
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	2405	496	-	1911	-3

TABLE 2.20.B. ENVELOPE LOADS FOR SPACE " 402_Stalbi " IN ZONE " Zone 2 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
E EXPOSURE						
WALL	18	0.280	-	68	-	159
WINDOW 1	1	2.200	0.811	8	139	71
WINDOW 2	1	2.200	0.811	6	98	50
W EXPOSURE						
WALL	14	0.280	-	45	-	128
WINDOW 1	5	2.200	0.811	43	1126	363
H EXPOSURE						
ROOF	37	0.300	-	333	-	362

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
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TABLE 2.21.A. COMPONENT LOADS FOR SPACE " 411_Koridor " IN ZONE " Zone 2 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1700 COOLING OA DB / WB 29.9 °C / 18.5 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 20.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	77 m?	17978	-	77 m?	-	-
Wall Transmission	173 m?	718	-	173 m?	1563	-
Roof Transmission	228 m?	1606	-	228 m?	2204	-
Window Transmission	77 m?	564	-	77 m?	5444	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	0 m?	0	-	0 m?	0	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	912 W	571	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	2	308	542	0	0	0
Infiltration	-	909	-360	-	5978	-19
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	22654	182	-	15189	-19

TABLE 2.21.B. ENVELOPE LOADS FOR SPACE " 411_Koridor " IN ZONE " Zone 2 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
W EXPOSURE						
WALL	173	0.280	-	718	-	1563
WINDOW 1	77	2.200	0.811	564	17978	5444
H EXPOSURE						
ROOF	228	0.300	-	1606	-	2204

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
Prepared by: Primex

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TABLE 2.22.A. COMPONENT LOADS FOR SPACE " 412_Foai " IN ZONE " Zone 2 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1600 COOLING OA DB / WB 30.7 °C / 18.8 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 20.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	11 m?	2312	-	11 m?	-	-
Wall Transmission	74 m?	223	-	74 m?	668	-
Roof Transmission	97 m?	865	-	97 m?	938	-
Window Transmission	11 m?	94	-	11 m?	797	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	0 m?	0	-	0 m?	0	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	393 W	236	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	1	67	35	0	0	0
Infiltration	-	461	-152	-	2583	-8
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	4258	-117	-	4986	-8

TABLE 2.22.B. ENVELOPE LOADS FOR SPACE " 412_Foai " IN ZONE " Zone 2 "						
	Area	U-Value	Shade	COOLING	COOLING	HEATING
	(m?)	(W/(m?-°K))	Coeff.	TRANS	SOLAR	TRANS
				(W)	(W)	(W)
W EXPOSURE						
WALL	25	0.280	-	80	-	226
WINDOW 1	10	2.200	0.811	86	2252	726
N EXPOSURE						
WALL	20	0.280	-	30	-	180
WINDOW 1	1	2.200	0.811	8	60	71
E EXPOSURE						
WALL	29	0.280	-	113	-	262
H EXPOSURE						
ROOF	97	0.300	-	865	-	938

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
Prepared by: Primex

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TABLE 2.23.A. COMPONENT LOADS FOR SPACE " 414_WC " IN ZONE " Zone 2 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1600 COOLING OA DB / WB 30.7 °C / 18.8 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 20.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	6 m?	767	-	6 m?	-	-
Wall Transmission	39 m?	100	-	39 m?	350	-
Roof Transmission	36 m?	321	-	36 m?	348	-
Window Transmission	6 m?	50	-	6 m?	422	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	0 m?	0	-	0 m?	0	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	146 W	88	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	1	67	35	0	0	0
Infiltration	-	171	-57	-	960	-3
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	1564	-21	-	2081	-3

TABLE 2.23.B. ENVELOPE LOADS FOR SPACE " 414_WC " IN ZONE " Zone 2 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m²·°K))	Coeff.	(W)	(W)	(W)
N EXPOSURE						
WALL	14	0.280	-	22	-	130
WINDOW 1	3	2.200	0.811	25	180	213
WINDOW 2	0	2.200	0.811	3	24	28
W EXPOSURE						
WALL	24	0.280	-	78	-	220
WINDOW 1	3	2.200	0.811	21	563	181
H EXPOSURE						
ROOF	36	0.300	-	321	-	348

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
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TABLE 2.24.A. COMPONENT LOADS FOR SPACE " 101 " IN ZONE " Zone 2 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jun 0900 COOLING OA DB / WB 21.3 °C / 15.4 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 20.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	3 m?	632	-	3 m?	-	-
Wall Transmission	11 m?	24	-	11 m?	96	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	3 m?	-23	-	3 m?	204	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	10 m?	0	-	10 m?	77	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	1 W	3	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	-18	-13	-	156	-1
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	618	-13	-	533	-1

TABLE 2.24.B. ENVELOPE LOADS FOR SPACE " 101 " IN ZONE " Zone 2 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
E EXPOSURE						
WALL	11	0.280	-	24	-	96
WINDOW 1	3	2.200	0.811	-23	632	204

Space Design Load Summary for Default System

Project Name: 5-to Uchilishte Ivan Vazov
Prepared by: Primex

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TABLE 3.1.A. COMPONENT LOADS FOR SPACE " 105_Kuhnq " IN ZONE " Zone 3 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jun 0900 COOLING OA DB / WB 21.3 °C / 15.4 °C OCCUPIED T-STAT 25.0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -12.2 °C / -13.6 °C OCCUPIED T-STAT 15.0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	8 m?	1684	-	8 m?	-	-
Wall Transmission	5 m?	12	-	5 m?	39	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	8 m?	-60	-	8 m?	460	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	37 m?	0	-	37 m?	208	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	4 W	13	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	-70	-65	-	514	-10
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	1579	-65	-	1221	-10

TABLE 3.1.B. ENVELOPE LOADS FOR SPACE " 105_Kuhnq " IN ZONE " Zone 3 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
E EXPOSURE						
WALL	5	0.280	-	12	-	39
WINDOW 1	8	2.200	0.811	-60	1684	460