

Space Design Load Summary for Default System

Project Name: Detska Gradina Svilengrad
Prepared by: AIA

06.25.2014
11:51

TABLE 1.1.A. COMPONENT LOADS FOR SPACE " 122 Sklad " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1500			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 36,0 °C / 18,9 °C			HEATING OA DB / WB -9,0 °C / -10,0 °C		
	OCCUPIED T-STAT 26,0 °C			OCCUPIED T-STAT 15,0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	0 m²	0	-	0 m²	-	-
Wall Transmission	7 m²	18	-	7 m²	56	-
Roof Transmission	5 m²	37	-	5 m²	29	-
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	5 m²	0	-	5 m²	17	-
Partitions	0 m²	0	-	0 m²	0	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	0 W	0	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	54	0	-	102	0

TABLE 1.1.B. ENVELOPE LOADS FOR SPACE " 122 Sklad " IN ZONE " Zone 1 "						
	Area (m²)	U-Value (W/(m²·°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
				(W)	(W)	(W)
N EXPOSURE						
WALL	7	0,336	-	18	-	56
H EXPOSURE						
ROOF	5	0,260	-	37	-	29

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06.25.2014
11:51

TABLE 1.2.A. COMPONENT LOADS FOR SPACE " 123 Sklad " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1500			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 36,0 °C / 18,9 °C			HEATING OA DB / WB -9,0 °C / -10,0 °C		
	OCCUPIED T-STAT 26,0 °C			OCCUPIED T-STAT 15,0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	0 m²	0	-	0 m²	-	-
Wall Transmission	7 m²	18	-	7 m²	56	-
Roof Transmission	5 m²	37	-	5 m²	29	-
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	5 m²	0	-	5 m²	17	-
Partitions	0 m²	0	-	0 m²	0	-
Ceiling	0 m²	0	-	0 m²	0	-
Overhead Lighting	0 W	0	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	54	0	-	102	0

TABLE 1.2.B. ENVELOPE LOADS FOR SPACE " 123 Sklad " IN ZONE " Zone 1 "						
	Area (m²)	U-Value (W/(m²·°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
				(W)	(W)	(W)
N EXPOSURE						
WALL	7	0,336	-	18	-	56
H EXPOSURE						
ROOF	5	0,260	-	37	-	29

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06.25.2014
11:51

TABLE 1.3.A. COMPONENT LOADS FOR SPACE " 124 Sklad " IN ZONE " Zone 1 "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jul 1500 COOLING OA DB / WB 36,0 °C / 18,9 °C OCCUPIED T-STAT 26,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -9,0 °C / -10,0 °C OCCUPIED T-STAT 15,0 °C			
	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
SPACE LOADS						
Window & Skylight Solar Loads	0 m?	0	-	0 m?	-	-
Wall Transmission	7 m?	18	-	7 m?	56	-
Roof Transmission	5 m?	36	-	5 m?	28	-
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	5 m?	0	-	5 m?	17	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	0 W	0	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	54	0	-	101	0

TABLE 1.3.B. ENVELOPE LOADS FOR SPACE " 124 Sklad " 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	7	0,336	-	18	-	56
H EXPOSURE						
ROOF	5	0,260	-	36	-	28

Space Design Load Summary for Default System

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06.25.2014
11:51

TABLE 1.4.A. COMPONENT LOADS FOR SPACE " 125 Sklad " IN ZONE " Zone 1 "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jul 1500 COOLING OA DB / WB 36,0 °C / 18,9 °C OCCUPIED T-STAT 26,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -9,0 °C / -10,0 °C OCCUPIED T-STAT 15,0 °C			
	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
SPACE LOADS						
Window & Skylight Solar Loads	0 m?	0	-	0 m?	-	-
Wall Transmission	16 m?	67	-	16 m?	125	-
Roof Transmission	5 m?	36	-	5 m?	28	-
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	5 m?	0	-	5 m?	17	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	0 W	0	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	103	0	-	170	0

TABLE 1.4.B. ENVELOPE LOADS FOR SPACE " 125 Sklad " 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	7	0,336	-	18	-	56
E EXPOSURE						
WALL	9	0,336	-	49	-	69
H EXPOSURE						
ROOF	5	0,260	-	36	-	28

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06.25.2014
11:51

TABLE 2.1.A. COMPONENT LOADS FOR SPACE " 104 Foaie " IN ZONE " Zone 2 "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Sep 1600 COOLING OA DB / WB 33,3 °C / 17,6 °C OCCUPIED T-STAT 26,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -9,0 °C / -10,0 °C OCCUPIED T-STAT 18,0 °C			
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	14 m?	2878	-	14 m?	-	-
Wall Transmission	2 m?	10	-	2 m?	18	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	14 m?	128	-	14 m?	643	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	14 m?	0	-	14 m?	61	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	0 W	0	-	0	0	-
Task Lighting	1895 W	1472	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	370	-160	-	1366	-20
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	4857	-160	-	2088	-20

TABLE 2.1.B. ENVELOPE LOADS FOR SPACE " 104 Foaie " 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	1	0,336	-	3	-	9
WINDOW 1	7	1,700	0,811	64	1401	321
S EXPOSURE						
WALL	1	0,336	-	6	-	9
WINDOW 1	7	1,700	0,811	64	1477	321

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06.25.2014
11:51

TABLE 2.2.A. COMPONENT LOADS FOR SPACE " 126 Podgotovki " IN ZONE " Zone 2 "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jun 0900 COOLING OA DB / WB 25,7 °C / 14,9 °C OCCUPIED T-STAT 26,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -9,0 °C / -10,0 °C OCCUPIED T-STAT 18,0 °C			
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	4 m?	804	-	4 m?	-	-
Wall Transmission	5 m?	17	-	5 m?	49	-
Roof Transmission	5 m?	12	-	5 m?	39	-
Window Transmission	4 m?	-1	-	4 m?	165	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	5 m?	0	-	5 m?	22	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	0 W	0	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	831	0	-	275	0

TABLE 2.2.B. ENVELOPE LOADS FOR SPACE " 126 Podgotovki " IN ZONE " Zone 2 "						
	Area	U-Value	Shade	COOLING	COOLING	HEATING
	(m?)	(W/(m?-°K))	Coeff.	TRANS	SOLAR	TRANS
				(W)	(W)	(W)
E EXPOSURE						
WALL	5	0,336	-	17	-	49
WINDOW 1	3	1,700	0,811	-1	670	138
WINDOW 2	1	1,700	0,811	0	134	28
E EXPOSURE						
ROOF	5	0,272	-	12	-	39

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06.25.2014
11:51

TABLE 2.3.A. COMPONENT LOADS FOR SPACE " 127 Podgotovki " IN ZONE " Zone 2 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1500 COOLING OA DB / WB 36,0 °C / 18,9 °C OCCUPIED T-STAT 26,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -9,0 °C / -10,0 °C OCCUPIED T-STAT 18,0 °C		
	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
SPACE LOADS						
Window & Skylight Solar Loads	0 m?	0	-	0 m?	-	-
Wall Transmission	0 m?	0	-	0 m?	0	-
Roof Transmission	5 m?	43	-	5 m?	39	-
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	5 m?	0	-	5 m?	22	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	0 W	0	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	43	0	-	61	0

TABLE 2.3.B. ENVELOPE LOADS FOR SPACE " 127 Podgotovki " IN ZONE " Zone 2 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
E EXPOSURE						
ROOF	5	0,272	-	43	-	39

Space Design Load Summary for Default System

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06.25.2014
11:51

TABLE 2.4.A. COMPONENT LOADS FOR SPACE " 128 Podgotovki " IN ZONE " Zone 2 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1500 COOLING OA DB / WB 36,0 °C / 18,9 °C OCCUPIED T-STAT 26,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -9,0 °C / -10,0 °C OCCUPIED T-STAT 18,0 °C		
	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
SPACE LOADS						
Window & Skylight Solar Loads	0 m?	0	-	0 m?	-	-
Wall Transmission	0 m?	0	-	0 m?	0	-
Roof Transmission	5 m?	41	-	5 m?	37	-
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	5 m?	0	-	5 m?	21	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	0 W	0	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	41	0	-	58	0

TABLE 2.4.B. ENVELOPE LOADS FOR SPACE " 128 Podgotovki " IN ZONE " Zone 2 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
E EXPOSURE						
ROOF	5	0,272	-	41	-	37

Space Design Load Summary for Default System

Project Name: Detska Gradina Svilengrad
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06.25.2014
11:51

TABLE 2.5.A. COMPONENT LOADS FOR SPACE " 129 Podgotovki " IN ZONE " Zone 2 "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jul 1500 COOLING OA DB / WB 36,0 °C / 18,9 °C OCCUPIED T-STAT 26,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -9,0 °C / -10,0 °C OCCUPIED T-STAT 18,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m?	0	-	0 m?	-	-
Wall Transmission	0 m?	0	-	0 m?	0	-
Roof Transmission	6 m?	49	-	6 m?	44	-
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	6 m?	0	-	6 m?	25	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	0 W	0	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	49	0	-	69	0

TABLE 2.5.B. ENVELOPE LOADS FOR SPACE " 129 Podgotovki " IN ZONE " Zone 2 "						
	Area (m?)	U-Value (W/(m²·°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
				(W)	(W)	(W)
E EXPOSURE						
ROOF	6	0,272	-	49	-	44

Space Design Load Summary for Default System

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06.25.2014
11:51

TABLE 2.6.A. COMPONENT LOADS FOR SPACE " 129'Mlechna kuhng " IN ZONE " Zone 2 "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jul 1500 COOLING OA DB / WB 36,0 °C / 18,9 °C OCCUPIED T-STAT 26,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -9,0 °C / -10,0 °C OCCUPIED T-STAT 18,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m?	0	-	0 m?	-	-
Wall Transmission	0 m?	0	-	0 m?	0	-
Roof Transmission	10 m?	81	-	10 m?	73	-
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	10 m?	0	-	10 m?	40	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	0 W	0	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	81	0	-	114	0

TABLE 2.6.B. ENVELOPE LOADS FOR SPACE " 129'Mlechna kuhng " IN ZONE " Zone 2 "						
	Area (m?)	U-Value (W/(m²·°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
				(W)	(W)	(W)
E EXPOSURE						
ROOF	10	0,272	-	81	-	73

Space Design Load Summary for Default System

Project Name: Detska Gradina Svilengrad
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06.25.2014
11:51

TABLE 2.7.A. COMPONENT LOADS FOR SPACE " 130 Topla kuhng " IN ZONE " Zone 2 "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Aug 1400 COOLING OA DB / WB 35,6 °C / 18,8 °C OCCUPIED T-STAT 26,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -9,0 °C / -10,0 °C OCCUPIED T-STAT 18,0 °C			
		Sensible (W)	Latent (W)		Sensible (W)	Latent (W)
SPACE LOADS	Details			Details		
Window & Skylight Solar Loads	10 m?	1623	-	10 m?	-	-
Wall Transmission	28 m?	137	-	28 m?	253	-
Roof Transmission	50 m?	360	-	50 m?	363	-
Window Transmission	10 m?	128	-	10 m?	464	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	50 m?	0	-	50 m?	178	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	0 W	0	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	2247	0	-	1258	0

TABLE 2.7.B. ENVELOPE LOADS FOR SPACE " 130 Topla kuhng " 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	20	0,336	-	93	-	180
WINDOW 1	4	1,700	0,811	44	648	161
WINDOW 2	1	1,700	0,811	8	111	28
E EXPOSURE						
WALL	8	0,336	-	44	-	73
WINDOW 1	6	1,700	0,811	76	864	275
E EXPOSURE						
ROOF	50	0,272	-	360	-	363

Space Design Load Summary for Default System

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06.25.2014
11:51

TABLE 2.8.A. COMPONENT LOADS FOR SPACE " 132 Umivalng " IN ZONE " Zone 2 "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jul 1500 COOLING OA DB / WB 36,0 °C / 18,9 °C OCCUPIED T-STAT 26,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -9,0 °C / -10,0 °C OCCUPIED T-STAT 18,0 °C			
		Sensible (W)	Latent (W)		Sensible (W)	Latent (W)
SPACE LOADS	Details			Details		
Window & Skylight Solar Loads	0 m?	0	-	0 m?	-	-
Wall Transmission	0 m?	0	-	0 m?	0	-
Roof Transmission	4 m?	35	-	4 m?	32	-
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	4 m?	0	-	4 m?	18	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	0 W	0	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	35	0	-	50	0

TABLE 2.8.B. ENVELOPE LOADS FOR SPACE " 132 Umivalng " IN ZONE " Zone 2 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
E EXPOSURE						
ROOF	4	0,272	-	35	-	32

Space Design Load Summary for Default System

Project Name: Detska Gradina Svilengrad
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06.25.2014
11:51

TABLE 2.9.A. COMPONENT LOADS FOR SPACE " 133 Umivalnq " IN ZONE " Zone 2 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1500 COOLING OA DB / WB 36,0 °C / 18,9 °C OCCUPIED T-STAT 26,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -9,0 °C / -10,0 °C OCCUPIED T-STAT 18,0 °C		
	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
SPACE LOADS						
Window & Skylight Solar Loads	0 m?	0	-	0 m?	-	-
Wall Transmission	0 m?	0	-	0 m?	0	-
Roof Transmission	4 m?	35	-	4 m?	32	-
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	4 m?	0	-	4 m?	18	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	0 W	0	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	35	0	-	50	0

TABLE 2.9.B. ENVELOPE LOADS FOR SPACE " 133 Umivalnq " IN ZONE " Zone 2 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
E EXPOSURE						
ROOF	4	0,272	-	35	-	32

Space Design Load Summary for Default System

Project Name: Detska Gradina Svilengrad
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06.25.2014
11:51

TABLE 3.1.A. COMPONENT LOADS FOR SPACE " 105' WC " IN ZONE " Zone 3 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1500 COOLING OA DB / WB 36,0 °C / 18,9 °C OCCUPIED T-STAT 26,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -9,0 °C / -10,0 °C OCCUPIED T-STAT 20,0 °C		
	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
SPACE LOADS						
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	2 m?	0	-	2 m?	8	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	0 W	0	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	56	-16	-	163	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	56	-16	-	171	0

TABLE 3.1.B. ENVELOPE LOADS FOR SPACE " 105' WC " IN ZONE " Zone 3 "						
	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: Detska Gradina Svilengrad
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06.25.2014
11:51

TABLE 3.2.A. COMPONENT LOADS FOR SPACE " 107 WC " IN ZONE " Zone 3 "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jul 1500 COOLING OA DB / WB 36,0 °C / 18,9 °C OCCUPIED T-STAT 26,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -9,0 °C / -10,0 °C OCCUPIED T-STAT 20,0 °C			
	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
SPACE LOADS						
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	2 m?	0	-	2 m?	8	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	0 W	0	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	56	-16	-	163	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	56	-16	-	171	0

TABLE 3.2.B. ENVELOPE LOADS FOR SPACE " 107 WC " IN ZONE " Zone 3 "						
	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: Detska Gradina Svilengrad
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06.25.2014
11:51

TABLE 3.3.A. COMPONENT LOADS FOR SPACE " 111-205 Stylbi i foaie " IN ZONE " Zone 3 "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Aug 1600 COOLING OA DB / WB 35,6 °C / 18,8 °C OCCUPIED T-STAT 26,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -9,0 °C / -10,0 °C OCCUPIED T-STAT 20,0 °C			
	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
SPACE LOADS						
Window & Skylight Solar Loads	22 m?	1906	-	22 m?	-	-
Wall Transmission	49 m?	194	-	49 m?	472	-
Roof Transmission	77 m?	548	-	77 m?	603	-
Window Transmission	22 m?	282	-	22 m?	1060	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	77 m?	0	-	77 m?	308	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	0 W	0	-	0	0	-
Task Lighting	972 W	755	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	2	87	146	0	0	0
Infiltration	-	108	-35	-	326	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	3880	111	-	2770	0

TABLE 3.3.B. ENVELOPE LOADS FOR SPACE " 111-205 Stylbi i foaie " IN ZONE " Zone 3 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
W EXPOSURE						
WALL	29	0,336	-	116	-	280
N EXPOSURE						
WALL	11	0,336	-	27	-	110
WINDOW 1	13	1,700	0,811	171	645	641
WINDOW 2	1	1,700	0,811	7	25	25
S EXPOSURE						
WALL	9	0,336	-	50	-	83
WINDOW 1	8	1,700	0,811	105	1237	394
E EXPOSURE						
ROOF	77	0,272	-	548	-	603

Space Design Load Summary for Default System

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06.25.2014
11:51

TABLE 3.4.A. COMPONENT LOADS FOR SPACE " 112 Koridor " IN ZONE " Zone 3 "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jul 1400 COOLING OA DB / WB 35,6 °C / 18,8 °C OCCUPIED T-STAT 26,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -9,0 °C / -10,0 °C OCCUPIED T-STAT 20,0 °C			
	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
SPACE LOADS						
Window & Skylight Solar Loads	0 m?	0	-	0 m?	-	-
Wall Transmission	0 m?	0	-	0 m?	0	-
Roof Transmission	5 m?	44	-	5 m?	40	-
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	5 m?	0	-	5 m?	24	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	0 W	0	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	44	0	-	64	0

TABLE 3.4.B. ENVELOPE LOADS FOR SPACE " 112 Koridor " IN ZONE " Zone 3 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
H EXPOSURE						
ROOF	5	0,260	-	44	-	40

Space Design Load Summary for Default System

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06.25.2014
11:51

TABLE 3.5.A. COMPONENT LOADS FOR SPACE " 117 Koridor " IN ZONE " Zone 3 "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jul 1500 COOLING OA DB / WB 36,0 °C / 18,9 °C OCCUPIED T-STAT 26,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -9,0 °C / -10,0 °C OCCUPIED T-STAT 20,0 °C			
	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
SPACE LOADS						
Window & Skylight Solar Loads	2 m?	124	-	2 m?	-	-
Wall Transmission	3 m?	6	-	3 m?	24	-
Roof Transmission	9 m?	71	-	9 m?	67	-
Window Transmission	2 m?	27	-	2 m?	99	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	9 m?	0	-	9 m?	40	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	0 W	0	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	56	-16	-	163	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	284	-16	-	393	0

TABLE 3.5.B. ENVELOPE LOADS FOR SPACE " 117 Koridor " IN ZONE " Zone 3 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
N EXPOSURE						
WALL	3	0,336	-	6	-	24
WINDOW 1	2	1,700	0,811	27	124	99
H EXPOSURE						
ROOF	9	0,260	-	71	-	67

Space Design Load Summary for Default System

Project Name: Detska Gradina Svilengrad
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06.25.2014
11:51

TABLE 3.6.A. COMPONENT LOADS FOR SPACE " 119 Koridor " IN ZONE " Zone 3 "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jul 1400 COOLING OA DB / WB 35,6 °C / 18,8 °C OCCUPIED T-STAT 26,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -9,0 °C / -10,0 °C OCCUPIED T-STAT 20,0 °C			
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	2 m?	123	-	2 m?	-	-
Wall Transmission	8 m?	36	-	8 m?	78	-
Roof Transmission	24 m?	196	-	24 m?	180	-
Window Transmission	2 m?	25	-	2 m?	99	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	24 m?	0	-	24 m?	105	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	0 W	0	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	54	-16	-	163	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	435	-16	-	624	0

TABLE 3.6.B. ENVELOPE LOADS FOR SPACE " 119 Koridor " IN ZONE " Zone 3 "						
	Area	U-Value	Shade	COOLING	COOLING	HEATING
	(m?)	(W/(m?-°K))	Coeff.	TRANS	SOLAR	TRANS
				(W)	(W)	(W)
N EXPOSURE						
WALL	3	0,336	-	7	-	29
WINDOW 1	2	1,700	0,811	25	123	99
E EXPOSURE						
WALL	5	0,336	-	29	-	49
H EXPOSURE						
ROOF	24	0,260	-	196	-	180

Space Design Load Summary for Default System

Project Name: Detska Gradina Svilengrad
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06.25.2014
11:51

TABLE 3.7.A. COMPONENT LOADS FOR SPACE " 121 WC " IN ZONE " Zone 3 "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jul 1500 COOLING OA DB / WB 36,0 °C / 18,9 °C OCCUPIED T-STAT 26,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -9,0 °C / -10,0 °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	3 m?	8	-	3 m?	29	-
Roof Transmission	3 m?	24	-	3 m?	23	-
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	3 m?	0	-	3 m?	11	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	0 W	0	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	56	-16	-	163	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	88	-16	-	226	0

TABLE 3.7.B. ENVELOPE LOADS FOR SPACE " 121 WC " IN ZONE " Zone 3 "						
	Area	U-Value	Shade	COOLING	COOLING	HEATING
	(m?)	(W/(m?-°K))	Coeff.	TRANS	SOLAR	TRANS
				(W)	(W)	(W)
N EXPOSURE						
WALL	3	0,336	-	8	-	29
H EXPOSURE						
ROOF	3	0,260	-	24	-	23

Space Design Load Summary for Default System

Project Name: Detska Gradina Svilengrad
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06.25.2014
11:51

TABLE 3.8.A. COMPONENT LOADS FOR SPACE " 134 Sushilnq " IN ZONE " Zone 3 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1900 COOLING OA DB / WB 31,9 °C / 17,6 °C OCCUPIED T-STAT 26,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -9,0 °C / -10,0 °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	9 m?	46	-	9 m?	67	-
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	9 m?	0	-	9 m?	37	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	0 W	0	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	3000 W	2529	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	2575	0	-	104	0

TABLE 3.8.B. ENVELOPE LOADS FOR SPACE " 134 Sushilnq " IN ZONE " Zone 3 "						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
H EXPOSURE						
ROOF	9	0,272	-	46	-	67

Space Design Load Summary for Default System

Project Name: Detska Gradina Svilengrad
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06.25.2014
11:51

TABLE 3.9.A. COMPONENT LOADS FOR SPACE " 135 Chisto belio " IN ZONE " Zone 3 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1500 COOLING OA DB / WB 36,0 °C / 18,9 °C OCCUPIED T-STAT 26,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -9,0 °C / -10,0 °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	7 m?	60	-	7 m?	58	-
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	7 m?	0	-	7 m?	33	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	0 W	0	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	60	0	-	91	0

TABLE 3.9.B. ENVELOPE LOADS FOR SPACE " 135 Chisto belio " IN ZONE " Zone 3 "						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
H EXPOSURE						
ROOF	7	0,272	-	60	-	58

Space Design Load Summary for Default System

Project Name: Detska Gradina Svilengrad
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06.25.2014
11:51

TABLE 3.10.A. COMPONENT LOADS FOR SPACE " 136 Mrysno belio " IN ZONE " Zone 3 "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jul 1500 COOLING OA DB / WB 36,0 °C / 18,9 °C OCCUPIED T-STAT 26,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -9,0 °C / -10,0 °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	5 m?	41	-	5 m?	40	-
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	5 m?	0	-	5 m?	23	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	0 W	0	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	41	0	-	63	0

TABLE 3.10.B. ENVELOPE LOADS FOR SPACE " 136 Mrysno belio " IN ZONE " Zone 3 "						
	Area	U-Value	Shade	COOLING	COOLING	HEATING
	(m?)	(W/(m?-°K))	Coeff.	TRANS	SOLAR	TRANS
				(W)	(W)	(W)
H EXPOSURE						
ROOF	5	0,272	-	41	-	40

Space Design Load Summary for Default System

Project Name: Detska Gradina Svilengrad
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06.25.2014
11:51

TABLE 3.11.A. COMPONENT LOADS FOR SPACE " 137 Peralnq " IN ZONE " Zone 3 "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jul 1500 COOLING OA DB / WB 36,0 °C / 18,9 °C OCCUPIED T-STAT 26,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -9,0 °C / -10,0 °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	10 m?	78	-	10 m?	76	-
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	10 m?	0	-	10 m?	42	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	0 W	0	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	78	0	-	118	0

TABLE 3.11.B. ENVELOPE LOADS FOR SPACE " 137 Peralnq " IN ZONE " Zone 3 "						
	Area	U-Value	Shade	COOLING	COOLING	HEATING
	(m?)	(W/(m?-°K))	Coeff.	TRANS	SOLAR	TRANS
				(W)	(W)	(W)
H EXPOSURE						
ROOF	10	0,272	-	78	-	76

Space Design Load Summary for Default System

Project Name: Detska Gradina Svilengrad
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06.25.2014
11:51

TABLE 3.12.A. COMPONENT LOADS FOR SPACE " 138 Spalno " IN ZONE " Zone 3 "						
DESIGN COOLING				DESIGN HEATING		
COOLING DATA AT Oct 1300 COOLING OA DB / WB 27,6 °C / 14,9 °C OCCUPIED T-STAT 26,0 °C				HEATING DATA AT DES HTG HEATING OA DB / WB -9,0 °C / -10,0 °C OCCUPIED T-STAT 20,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	13 m?	3701	-	13 m?	-	-
Wall Transmission	34 m?	49	-	34 m?	251	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	13 m?	-10	-	13 m?	641	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	56 m?	0	-	56 m?	208	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	0 W	0	-	0	0	-
Task Lighting	22 W	44	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	28	1136	2215	0	0	0
Infiltration	-	25	-146	-	457	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	4944	2069	-	1557	0

TABLE 3.12.B. ENVELOPE LOADS FOR SPACE " 138 Spalno " IN ZONE " Zone 3 "						
	Area (m?)	U-Value (W/(m?-°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
				(W)	(W)	(W)
E EXPOSURE						
WALL	25	0,225	-	21	-	163
S EXPOSURE						
WALL	9	0,336	-	28	-	88
WINDOW 1	13	1,700	0,811	-10	3701	641

Space Design Load Summary for Default System

Project Name: Detska Gradina Svilengrad
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06.25.2014
11:51

TABLE 3.13.A. COMPONENT LOADS FOR SPACE " 139 Kuhnenski ofis " IN ZONE " Zone 3 "						
DESIGN COOLING				DESIGN HEATING		
COOLING DATA AT Jul 1500 COOLING OA DB / WB 36,0 °C / 18,9 °C OCCUPIED T-STAT 26,0 °C				HEATING DATA AT DES HTG HEATING OA DB / WB -9,0 °C / -10,0 °C OCCUPIED T-STAT 20,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (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	10 m?	0	-	10 m?	45	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	0 W	0	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	34	-9	-	98	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	34	-9	-	143	0

TABLE 3.13.B. ENVELOPE LOADS FOR SPACE " 139 Kuhnenski ofis " IN ZONE " Zone 3 "						
	Area (m?)	U-Value (W/(m?-°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
				(W)	(W)	(W)

Space Design Load Summary for Default System

Project Name: Detska Gradina Svilengrad
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06.25.2014
11:51

TABLE 3.14.A. COMPONENT LOADS FOR SPACE " 140 WC " IN ZONE " Zone 3 "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jul 1500 COOLING OA DB / WB 36,0 °C / 18,9 °C OCCUPIED T-STAT 26,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -9,0 °C / -10,0 °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	14 m?	0	-	14 m?	47	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	0 W	0	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	79	-22	-	228	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	79	-22	-	275	0

TABLE 3.14.B. ENVELOPE LOADS FOR SPACE " 140 WC " IN ZONE " Zone 3 "						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)

Space Design Load Summary for Default System

Project Name: Detska Gradina Svilengrad
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06.25.2014
11:51

TABLE 3.15.A. COMPONENT LOADS FOR SPACE " 141 Garderobno " IN ZONE " Zone 3 "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jan 0000 COOLING OA DB / WB 5,7 °C / -0,2 °C OCCUPIED T-STAT 26,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -9,0 °C / -10,0 °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	15 m?	0	-	15 m?	63	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	0 W	0	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	0	0	-	63	0

TABLE 3.15.B. ENVELOPE LOADS FOR SPACE " 141 Garderobno " IN ZONE " Zone 3 "						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)

Space Design Load Summary for Default System

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06.25.2014
11:51

TABLE 3.16.A. COMPONENT LOADS FOR SPACE " 142 Zanimalnq " IN ZONE " Zone 3 "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Oct 1600 COOLING OA DB / WB 28,5 °C / 15,2 °C OCCUPIED T-STAT 26,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -9,0 °C / -10,0 °C OCCUPIED T-STAT 20,0 °C			
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	16 m?	3470	-	16 m?	-	-
Wall Transmission	37 m?	105	-	37 m?	360	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	16 m?	17	-	16 m?	789	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	59 m?	0	-	59 m?	218	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	0 W	0	-	0	0	-
Task Lighting	891 W	692	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	28	1276	986	0	0	0
Infiltration	-	40	-51	-	457	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	5600	935	-	1824	0

TABLE 3.16.B. ENVELOPE LOADS FOR SPACE " 142 Zanimalnq " IN ZONE " Zone 3 "						
	Area	U-Value	Shade	COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
E EXPOSURE						
WALL	11	0,336	-	18	-	107
WINDOW 1	2	1,700	0,811	2	162	99
S EXPOSURE						
WALL	13	0,336	-	73	-	127
WINDOW 1	14	1,700	0,811	15	3308	690
W EXPOSURE						
WALL	13	0,336	-	14	-	127

Space Design Load Summary for Default System

Project Name: Detska Gradina Svilengrad
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06.25.2014
11:51

TABLE 3.17.A. COMPONENT LOADS FOR SPACE " 143 Kuhnenski ofis " IN ZONE " Zone 3 "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jul 1500 COOLING OA DB / WB 36,0 °C / 18,9 °C OCCUPIED T-STAT 26,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -9,0 °C / -10,0 °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	10 m?	0	-	10 m?	45	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	0 W	0	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	34	-9	-	98	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	34	-9	-	143	0

TABLE 3.17.B. ENVELOPE LOADS FOR SPACE " 143 Kuhnenski ofis " IN ZONE " Zone 3 "						
	Area	U-Value	Shade	COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)

Space Design Load Summary for Default System

Project Name: Detska Gradina Svilengrad
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06.25.2014
11:51

TABLE 3.18.A. COMPONENT LOADS FOR SPACE " 145 Garderobno " IN ZONE " Zone 3 "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jan 0000 COOLING OA DB / WB 5,7 °C / -0,2 °C OCCUPIED T-STAT 26,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -9,0 °C / -10,0 °C OCCUPIED T-STAT 20,0 °C			
	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
SPACE LOADS						
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	15 m?	0	-	15 m?	63	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	0 W	0	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	0	0	-	63	0

TABLE 3.18.B. ENVELOPE LOADS FOR SPACE " 145 Garderobno " IN ZONE " Zone 3 "						
	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: Detska Gradina Svilengrad
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06.25.2014
11:51

TABLE 3.19.A. COMPONENT LOADS FOR SPACE " 146 Zanimalnq " IN ZONE " Zone 3 "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Sep 1600 COOLING OA DB / WB 33,3 °C / 17,6 °C OCCUPIED T-STAT 26,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -9,0 °C / -10,0 °C OCCUPIED T-STAT 20,0 °C			
	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
SPACE LOADS						
Window & Skylight Solar Loads	16 m?	3355	-	16 m?	-	-
Wall Transmission	43 m?	191	-	43 m?	415	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	16 m?	147	-	16 m?	789	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	59 m?	0	-	59 m?	217	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	0 W	0	-	0	0	-
Task Lighting	891 W	692	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	28	1276	986	0	0	0
Infiltration	-	115	-50	-	457	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	5776	936	-	1878	0

TABLE 3.19.B. ENVELOPE LOADS FOR SPACE " 146 Zanimalnq " 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	19	0,336	-	73	-	181
S EXPOSURE						
WALL	13	0,336	-	84	-	127
WINDOW 1	14	1,700	0,811	128	2955	690
W EXPOSURE						
WALL	11	0,336	-	33	-	107
WINDOW 1	2	1,700	0,811	18	400	99

Space Design Load Summary for Default System

Project Name: Detska Gradina Svilengrad
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06.25.2014
11:51

TABLE 3.20.A. COMPONENT LOADS FOR SPACE " 147 Spalno " IN ZONE " Zone 3 "						
DESIGN COOLING				DESIGN HEATING		
COOLING DATA AT Oct 1300 COOLING OA DB / WB 27,6 °C / 14,9 °C OCCUPIED T-STAT 26,0 °C				HEATING DATA AT DES HTG HEATING OA DB / WB -9,0 °C / -10,0 °C OCCUPIED T-STAT 20,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	13 m?	3701	-	13 m?	-	-
Wall Transmission	16 m?	25	-	16 m?	133	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	13 m?	-10	-	13 m?	641	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	56 m?	0	-	56 m?	208	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	0 W	0	-	0	0	-
Task Lighting	22 W	44	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	28	1136	2215	0	0	0
Infiltration	-	25	-146	-	457	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	4919	2069	-	1439	0

TABLE 3.20.B. ENVELOPE LOADS FOR SPACE " 147 Spalno " IN ZONE " Zone 3 "						
	Area (m?)	U-Value (W/(m?-°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
				(W)	(W)	(W)
W EXPOSURE						
WALL	7	0,225	-	-3	-	46
S EXPOSURE						
WALL	9	0,336	-	28	-	88
WINDOW 1	13	1,700	0,811	-10	3701	641

Space Design Load Summary for Default System

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06.25.2014
11:51

TABLE 3.21.A. COMPONENT LOADS FOR SPACE " 148 Salon " IN ZONE " Zone 3 "						
DESIGN COOLING				DESIGN HEATING		
COOLING DATA AT Jul 1300 COOLING OA DB / WB 34,7 °C / 18,5 °C OCCUPIED T-STAT 26,0 °C				HEATING DATA AT DES HTG HEATING OA DB / WB -9,0 °C / -10,0 °C OCCUPIED T-STAT 20,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m?	0	-	0 m?	-	-
Wall Transmission	167 m?	473	-	167 m?	1396	-
Roof Transmission	100 m?	690	-	100 m?	786	-
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	100 m?	0	-	100 m?	347	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	0 W	0	-	0	0	-
Task Lighting	40 W	80	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	50	2028	3955	0	0	0
Infiltration	-	136	-90	-	457	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	3407	3865	-	2986	0

TABLE 3.21.B. ENVELOPE LOADS FOR SPACE " 148 Salon " IN ZONE " Zone 3 "						
	Area (m?)	U-Value (W/(m?-°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
				(W)	(W)	(W)
W EXPOSURE						
WALL	72	0,225	-	135	-	471
S EXPOSURE						
WALL	46	0,336	-	149	-	448
E EXPOSURE						
WALL	24	0,336	-	138	-	234
N EXPOSURE						
WALL	25	0,336	-	51	-	244
W EXPOSURE						
ROOF	100	0,272	-	690	-	786

Space Design Load Summary for Default System

Project Name: Detska Gradina Svilengrad
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06.25.2014
11:51

TABLE 3.22.A. COMPONENT LOADS FOR SPACE " 208 Spalno " IN ZONE " Zone 3 "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Oct 1300 COOLING OA DB / WB 27,6 °C / 14,9 °C OCCUPIED T-STAT 26,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -9,0 °C / -10,0 °C OCCUPIED T-STAT 20,0 °C			
	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
SPACE LOADS						
Window & Skylight Solar Loads	13 m?	3701	-	13 m?	-	-
Wall Transmission	34 m?	49	-	34 m?	251	-
Roof Transmission	56 m?	139	-	56 m?	442	-
Window Transmission	13 m?	-10	-	13 m?	641	-
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	0 W	0	-	0	0	-
Task Lighting	22 W	44	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	28	1136	2215	0	0	0
Infiltration	-	25	-146	-	457	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	5082	2069	-	1790	0

TABLE 3.22.B. ENVELOPE LOADS FOR SPACE " 208 Spalno " 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	25	0,225	-	21	-	163
S EXPOSURE						
WALL	9	0,336	-	28	-	88
WINDOW 1	13	1,700	0,811	-10	3701	641
E EXPOSURE						
ROOF	56	0,272	-	139	-	442

Space Design Load Summary for Default System

Project Name: Detska Gradina Svilengrad
Prepared by: AIA

06.25.2014
11:51

TABLE 3.23.A. COMPONENT LOADS FOR SPACE " 209 Zanimalnq " IN ZONE " Zone 3 "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Sep 1600 COOLING OA DB / WB 33,3 °C / 17,6 °C OCCUPIED T-STAT 26,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -9,0 °C / -10,0 °C OCCUPIED T-STAT 20,0 °C			
	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
SPACE LOADS						
Window & Skylight Solar Loads	16 m?	3165	-	16 m?	-	-
Wall Transmission	37 m?	167	-	37 m?	360	-
Roof Transmission	59 m?	320	-	59 m?	463	-
Window Transmission	16 m?	147	-	16 m?	789	-
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	0 W	0	-	0	0	-
Task Lighting	891 W	692	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	28	1276	986	0	0	0
Infiltration	-	115	-50	-	457	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	5882	936	-	2069	0

TABLE 3.23.B. ENVELOPE LOADS FOR SPACE " 209 Zanimalnq " 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	11	0,336	-	43	-	107
WINDOW 1	2	1,700	0,811	18	210	99
S EXPOSURE						
WALL	13	0,336	-	84	-	127
WINDOW 1	14	1,700	0,811	128	2955	690
W EXPOSURE						
WALL	13	0,336	-	39	-	127
H EXPOSURE						
ROOF	59	0,272	-	320	-	463

Space Design Load Summary for Default System

Project Name: Detska Gradina Svilengrad
Prepared by: AIA

06.25.2014
11:51

TABLE 3.24.A. COMPONENT LOADS FOR SPACE " 209' Kuhnenski ofis " IN ZONE " Zone 3 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1500 COOLING OA DB / WB 36,0 °C / 18,9 °C OCCUPIED T-STAT 26,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -9,0 °C / -10,0 °C OCCUPIED T-STAT 20,0 °C		
	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
SPACE LOADS						
Window & Skylight Solar Loads	0 m?	0	-	0 m?	-	-
Wall Transmission	0 m?	0	-	0 m?	0	-
Roof Transmission	10 m?	84	-	10 m?	82	-
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	0 m?	0	-	0 m?	0	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	0 W	0	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	34	-9	-	98	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	118	-9	-	180	0

TABLE 3.24.B. ENVELOPE LOADS FOR SPACE " 209' Kuhnenski ofis " IN ZONE " Zone 3 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
H EXPOSURE						
ROOF	10	0,272	-	84	-	82

Space Design Load Summary for Default System

Project Name: Detska Gradina Svilengrad
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06.25.2014
11:51

TABLE 3.25.A. COMPONENT LOADS FOR SPACE " 210 WC " IN ZONE " Zone 3 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1500 COOLING OA DB / WB 36,0 °C / 18,9 °C OCCUPIED T-STAT 26,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -9,0 °C / -10,0 °C OCCUPIED T-STAT 20,0 °C		
	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
SPACE LOADS						
Window & Skylight Solar Loads	0 m?	0	-	0 m?	-	-
Wall Transmission	0 m?	0	-	0 m?	0	-
Roof Transmission	14 m?	112	-	14 m?	110	-
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	0 m?	0	-	0 m?	0	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	0 W	0	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	79	-22	-	228	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	190	-22	-	338	0

TABLE 3.25.B. ENVELOPE LOADS FOR SPACE " 210 WC " IN ZONE " Zone 3 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
N EXPOSURE						
ROOF	14	0,272	-	112	-	110

Space Design Load Summary for Default System

Project Name: Detska Gradina Svilengrad
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06.25.2014
11:51

TABLE 3.26.A. COMPONENT LOADS FOR SPACE " 212 Kuhnenski ofis " IN ZONE " Zone 3 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1500 COOLING OA DB / WB 36,0 °C / 18,9 °C OCCUPIED T-STAT 26,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -9,0 °C / -10,0 °C OCCUPIED T-STAT 20,0 °C		
	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
SPACE LOADS						
Window & Skylight Solar Loads	0 m?	0	-	0 m?	-	-
Wall Transmission	0 m?	0	-	0 m?	0	-
Roof Transmission	10 m?	84	-	10 m?	82	-
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	0 m?	0	-	0 m?	0	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	0 W	0	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	34	-9	-	98	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	118	-9	-	180	0

TABLE 3.26.B. ENVELOPE LOADS FOR SPACE " 212 Kuhnenski ofis " IN ZONE " Zone 3 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
H EXPOSURE						
ROOF	10	0,272	-	84	-	82

Space Design Load Summary for Default System

Project Name: Detska Gradina Svilengrad
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06.25.2014
11:51

TABLE 3.27.A. COMPONENT LOADS FOR SPACE " 213 Kuhnenski ofis " IN ZONE " Zone 3 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jul 1500 COOLING OA DB / WB 36,0 °C / 18,9 °C OCCUPIED T-STAT 26,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -9,0 °C / -10,0 °C OCCUPIED T-STAT 20,0 °C		
	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
SPACE LOADS						
Window & Skylight Solar Loads	0 m?	0	-	0 m?	-	-
Wall Transmission	0 m?	0	-	0 m?	0	-
Roof Transmission	10 m?	84	-	10 m?	82	-
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	0 m?	0	-	0 m?	0	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	0 W	0	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	34	-9	-	98	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	118	-9	-	180	0

TABLE 3.27.B. ENVELOPE LOADS FOR SPACE " 213 Kuhnenski ofis " IN ZONE " Zone 3 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
H EXPOSURE						
ROOF	10	0,272	-	84	-	82

Space Design Load Summary for Default System

Project Name: Detska Gradina Svilengrad
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06.25.2014
11:51

TABLE 3.28.A. COMPONENT LOADS FOR SPACE " 214 Garderobno " IN ZONE " Zone 3 "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jul 1500 COOLING OA DB / WB 36,0 °C / 18,9 °C OCCUPIED T-STAT 26,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -9,0 °C / -10,0 °C OCCUPIED T-STAT 20,0 °C			
	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
SPACE LOADS						
Window & Skylight Solar Loads	0 m?	0	-	0 m?	-	-
Wall Transmission	0 m?	0	-	0 m?	0	-
Roof Transmission	15 m?	120	-	15 m?	117	-
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	0 m?	0	-	0 m?	0	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	0 W	0	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	120	0	-	117	0

TABLE 3.28.B. ENVELOPE LOADS FOR SPACE " 214 Garderobno " IN ZONE " Zone 3 "						
	Area (m?)	U-Value (W/(m?-°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
				(W)	(W)	(W)
H EXPOSURE						
ROOF	15	0,272	-	120	-	117

Space Design Load Summary for Default System

Project Name: Detska Gradina Svilengrad
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06.25.2014
11:51

TABLE 3.29.A. COMPONENT LOADS FOR SPACE " 215 Zanimalnq " IN ZONE " Zone 3 "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Sep 1600 COOLING OA DB / WB 33,3 °C / 17,6 °C OCCUPIED T-STAT 26,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -9,0 °C / -10,0 °C OCCUPIED T-STAT 20,0 °C			
	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
SPACE LOADS						
Window & Skylight Solar Loads	16 m?	3355	-	16 m?	-	-
Wall Transmission	43 m?	191	-	43 m?	415	-
Roof Transmission	59 m?	319	-	59 m?	461	-
Window Transmission	16 m?	147	-	16 m?	789	-
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	0 W	0	-	0	0	-
Task Lighting	891 W	692	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	28	1276	986	0	0	0
Infiltration	-	115	-50	-	457	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	6095	936	-	2122	0

TABLE 3.29.B. ENVELOPE LOADS FOR SPACE " 215 Zanimalnq " IN ZONE " Zone 3 "						
	Area (m?)	U-Value (W/(m?-°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
				(W)	(W)	(W)
E EXPOSURE						
WALL	19	0,336	-	73	-	181
S EXPOSURE						
WALL	13	0,336	-	84	-	127
WINDOW 1	14	1,700	0,811	128	2955	690
W EXPOSURE						
WALL	11	0,336	-	33	-	107
WINDOW 1	2	1,700	0,811	18	400	99
H EXPOSURE						
ROOF	59	0,272	-	319	-	461

Space Design Load Summary for Default System

Project Name: Detska Gradina Svilengrad
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06.25.2014
11:51

TABLE 3.30.A. COMPONENT LOADS FOR SPACE " 216 Spalno " IN ZONE " Zone 3 "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Oct 1300 COOLING OA DB / WB 27,6 °C / 14,9 °C OCCUPIED T-STAT 26,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -9,0 °C / -10,0 °C OCCUPIED T-STAT 20,0 °C			
	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
SPACE LOADS						
Window & Skylight Solar Loads	13 m?	3701	-	13 m?	-	-
Wall Transmission	16 m?	25	-	16 m?	133	-
Roof Transmission	56 m?	136	-	56 m?	442	-
Window Transmission	13 m?	-10	-	13 m?	641	-
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	0 W	0	-	0	0	-
Task Lighting	22 W	44	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	28	1136	2215	0	0	0
Infiltration	-	25	-146	-	457	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	5055	2069	-	1673	0

TABLE 3.30.B. ENVELOPE LOADS FOR SPACE " 216 Spalno " IN ZONE " Zone 3 "						
	Area (m?)	U-Value (W/(m?-°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
				(W)	(W)	(W)
W EXPOSURE						
WALL	7	0,225	-	-3	-	46
S EXPOSURE						
WALL	9	0,336	-	28	-	88
WINDOW 1	13	1,700	0,811	-10	3701	641
H EXPOSURE						
ROOF	56	0,272	-	136	-	442

Space Design Load Summary for Default System

Project Name: Detska Gradina Svilengrad
Prepared by: AIA

06.25.2014
11:51

TABLE 4.1.A. COMPONENT LOADS FOR SPACE " 101 Metodicheski " IN ZONE " Zone 4 "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jun 1800 COOLING OA DB / WB 31,8 °C / 17,0 °C OCCUPIED T-STAT 28,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -9,0 °C / -10,0 °C OCCUPIED T-STAT 22,0 °C			
	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
SPACE LOADS						
Window & Skylight Solar Loads	8 m?	940	-	8 m?	-	-
Wall Transmission	16 m?	65	-	16 m?	167	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	8 m?	38	-	8 m?	422	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	14 m?	0	-	14 m?	62	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	0 W	0	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	500 W	447	-	0	0	-
People	1	32	48	0	0	0
Infiltration	-	21	-18	-	174	2
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	1543	30	-	825	2

TABLE 4.1.B. ENVELOPE LOADS FOR SPACE " 101 Metodicheski " IN ZONE " Zone 4 "						
	Area (m?)	U-Value (W/(m?-°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
				(W)	(W)	(W)
W EXPOSURE						
WALL	11	0,336	-	54	-	115
WINDOW 1	2	1,700	0,811	10	470	105
N EXPOSURE						
WALL	5	0,336	-	11	-	52
WINDOW 1	6	1,700	0,811	29	470	316

Space Design Load Summary for Default System

Project Name: Detska Gradina Svilengrad
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06.25.2014
11:51

TABLE 4.2.A. COMPONENT LOADS FOR SPACE " 102Kancelariq " IN ZONE " Zone 4 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jun 1800 COOLING OA DB / WB 31,8 °C / 17,0 °C OCCUPIED T-STAT 28,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -9,0 °C / -10,0 °C OCCUPIED T-STAT 22,0 °C		
	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
SPACE LOADS						
Window & Skylight Solar Loads	6 m?	470	-	6 m?	-	-
Wall Transmission	5 m?	11	-	5 m?	52	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	6 m?	29	-	6 m?	316	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	13 m?	0	-	13 m?	60	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	0 W	0	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	500 W	447	-	0	0	-
People	1	32	48	0	0	0
Infiltration	-	21	-18	-	174	2
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	1009	30	-	603	2

TABLE 4.2.B. ENVELOPE LOADS FOR SPACE " 102Kancelariq " IN ZONE " Zone 4 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
N EXPOSURE						
WALL	5	0,336	-	11	-	52
WINDOW 1	6	1,700	0,811	29	470	316

Space Design Load Summary for Default System

Project Name: Detska Gradina Svilengrad
Prepared by: AIA

06.25.2014
11:51

TABLE 4.3.A. COMPONENT LOADS FOR SPACE " 103Lekarski kabinet " IN ZONE " Zone 4 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jun 1800 COOLING OA DB / WB 31,8 °C / 17,0 °C OCCUPIED T-STAT 28,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -9,0 °C / -10,0 °C OCCUPIED T-STAT 22,0 °C		
	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
SPACE LOADS						
Window & Skylight Solar Loads	6 m?	470	-	6 m?	-	-
Wall Transmission	5 m?	11	-	5 m?	52	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	6 m?	29	-	6 m?	316	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	13 m?	0	-	13 m?	60	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	0 W	0	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	500 W	447	-	0	0	-
People	1	32	48	0	0	0
Infiltration	-	21	-18	-	174	2
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	1009	30	-	603	2

TABLE 4.3.B. ENVELOPE LOADS FOR SPACE " 103Lekarski kabinet " IN ZONE " Zone 4 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
N EXPOSURE						
WALL	5	0,336	-	11	-	52
WINDOW 1	6	1,700	0,811	29	470	316

Space Design Load Summary for Default System

Project Name: Detska Gradina Svilengrad
Prepared by: AIA

06.25.2014
11:51

TABLE 4.4.A. COMPONENT LOADS FOR SPACE " 105 Izolator " IN ZONE " Zone 4 "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jun 1800 COOLING OA DB / WB 31,8 °C / 17,0 °C OCCUPIED T-STAT 28,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -9,0 °C / -10,0 °C OCCUPIED T-STAT 22,0 °C			
	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
SPACE LOADS						
Window & Skylight Solar Loads	6 m?	470	-	6 m?	-	-
Wall Transmission	5 m?	11	-	5 m?	52	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	6 m?	29	-	6 m?	316	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	12 m?	0	-	12 m?	54	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	0 W	0	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	500 W	447	-	0	0	-
People	1	32	48	0	0	0
Infiltration	-	21	-18	-	174	2
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	1009	30	-	596	2

TABLE 4.4.B. ENVELOPE LOADS FOR SPACE " 105 Izolator " IN ZONE " Zone 4 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
N EXPOSURE						
WALL	5	0,336	-	11	-	52
WINDOW 1	6	1,700	0,811	29	470	316

Space Design Load Summary for Default System

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06.25.2014
11:51

TABLE 4.5.A. COMPONENT LOADS FOR SPACE " 118 Ofis " IN ZONE " Zone 4 "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jul 1500 COOLING OA DB / WB 36,0 °C / 18,9 °C OCCUPIED T-STAT 28,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -9,0 °C / -10,0 °C OCCUPIED T-STAT 22,0 °C			
	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
SPACE LOADS						
Window & Skylight Solar Loads	0 m?	0	-	0 m?	-	-
Wall Transmission	6 m?	11	-	6 m?	62	-
Roof Transmission	4 m?	32	-	4 m?	35	-
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	4 m?	0	-	4 m?	21	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	0 W	0	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	43	0	-	118	0

TABLE 4.5.B. ENVELOPE LOADS FOR SPACE " 118 Ofis " IN ZONE " Zone 4 "						
	Area	U-Value	Shade	COOLING TRANS	COOLING SOLAR	HEATING TRANS
	(m?)	(W/(m?-°K))	Coeff.	(W)	(W)	(W)
N EXPOSURE						
WALL	6	0,336	-	11	-	62
H EXPOSURE						
ROOF	4	0,260	-	32	-	35

Space Design Load Summary for Default System

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06.25.2014
11:51

TABLE 4.6.A. COMPONENT LOADS FOR SPACE " 201 Zala " IN ZONE " Zone 4 "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jun 1800 COOLING OA DB / WB 31,8 °C / 17,0 °C OCCUPIED T-STAT 28,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -9,0 °C / -10,0 °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?	1645	-	15 m?	-	-
Wall Transmission	21 m?	76	-	21 m?	219	-
Roof Transmission	28 m?	169	-	28 m?	231	-
Window Transmission	15 m?	71	-	15 m?	791	-
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	0 W	0	-	0	0	-
Task Lighting	160 W	129	-	0	0	-
Electric Equipment	500 W	447	-	0	0	-
People	0	117	0	0	0	0
Infiltration	-	60	-51	-	488	6
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	2714	-51	-	1729	6

TABLE 4.6.B. ENVELOPE LOADS FOR SPACE " 201 Zala " IN ZONE " Zone 4 "						
	Area	U-Value	Shade	COOLING	COOLING	HEATING
	(m?)	(W/(m?-°K))	Coeff.	TRANS	SOLAR	TRANS
				(W)	(W)	(W)
W EXPOSURE						
WALL	11	0,336	-	54	-	115
WINDOW 1	3	1,700	0,811	14	705	158
N EXPOSURE						
WALL	10	0,336	-	21	-	104
WINDOW 1	12	1,700	0,811	57	940	632
W EXPOSURE						
ROOF	28	0,272	-	169	-	231

Space Design Load Summary for Default System

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06.25.2014
11:51

TABLE 4.7.A. COMPONENT LOADS FOR SPACE " 202 Kabinet " IN ZONE " Zone 4 "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jun 1200 COOLING OA DB / WB 31,5 °C / 16,9 °C OCCUPIED T-STAT 28,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -9,0 °C / -10,0 °C OCCUPIED T-STAT 22,0 °C			
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	12 m?	774	-	12 m?	-	-
Wall Transmission	10 m?	9	-	10 m?	104	-
Roof Transmission	28 m?	139	-	28 m?	231	-
Window Transmission	12 m?	38	-	12 m?	632	-
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	0 W	0	-	0	0	-
Task Lighting	4 W	8	-	0	0	-
Electric Equipment	500 W	435	-	0	0	-
People	24	790	1442	0	0	0
Infiltration	-	56	-172	-	488	6
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	2250	1270	-	1456	6

TABLE 4.7.B. ENVELOPE LOADS FOR SPACE " 202 Kabinet " IN ZONE " Zone 4 "						
	Area	U-Value	Shade	COOLING	COOLING	HEATING
	(m?)	(W/(m?-°K))	Coeff.	TRANS	SOLAR	TRANS
				(W)	(W)	(W)
N EXPOSURE						
WALL	10	0,336	-	9	-	104
WINDOW 1	12	1,700	0,811	38	774	632
W EXPOSURE						
ROOF	28	0,272	-	139	-	231

Space Design Load Summary for Default System

Project Name: Detska Gradina Svilengrad
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06.25.2014
11:51

TABLE 4.8.A. COMPONENT LOADS FOR SPACE " 203 Direktor " IN ZONE " Zone 4 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jun 1200 COOLING OA DB / WB 31,5 °C / 16,9 °C OCCUPIED T-STAT 28,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -9,0 °C / -10,0 °C OCCUPIED T-STAT 22,0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	11 m?	697	-	11 m?	-	-
Wall Transmission	9 m?	8	-	9 m?	96	-
Roof Transmission	28 m?	139	-	28 m?	231	-
Window Transmission	11 m?	35	-	11 m?	569	-
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	0 W	0	-	0	0	-
Task Lighting	4 W	8	-	0	0	-
Electric Equipment	500 W	435	-	0	0	-
People	24	790	1442	0	0	0
Infiltration	-	56	-172	-	488	6
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	2168	1270	-	1384	6

TABLE 4.8.B. ENVELOPE LOADS FOR SPACE " 203 Direktor " IN ZONE " Zone 4 "						
	Area	U-Value	Shade	COOLING	COOLING	HEATING
	(m?)	(W/(m?-°K))	Coeff.	TRANS	SOLAR	TRANS
				(W)	(W)	(W)
N EXPOSURE						
WALL	9	0,336	-	8	-	96
WINDOW 1	10	1,700	0,811	32	645	527
WINDOW 2	1	1,700	0,811	3	52	42
W EXPOSURE						
ROOF	28	0,272	-	139	-	231

Space Design Load Summary for Default System

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06.25.2014
11:51

TABLE 5.1.A. COMPONENT LOADS FOR SPACE " 106Syblekalnq " IN ZONE " Zone 5 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jun 1800 COOLING OA DB / WB 31,8 °C / 17,0 °C OCCUPIED T-STAT 26,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -9,0 °C / -10,0 °C OCCUPIED T-STAT 25,0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	6 m?	470	-	6 m?	-	-
Wall Transmission	5 m?	14	-	5 m?	57	-
Roof Transmission	0 m?	0	-	0 m?	0	-
Window Transmission	6 m?	49	-	6 m?	347	-
Skylight Transmission	0 m?	0	-	0 m?	0	-
Door Loads	0 m?	0	-	0 m?	0	-
Floor Transmission	7 m?	0	-	7 m?	36	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	0 W	0	-	0	0	-
Task Lighting	112 W	90	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	2	65	96	0	0	0
Infiltration	-	33	-5	-	191	6
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	720	91	-	631	6

TABLE 5.1.B. ENVELOPE LOADS FOR SPACE " 106Syblekalnq " IN ZONE " Zone 5 "						
	Area	U-Value	Shade	COOLING	COOLING	HEATING
	(m?)	(W/(m?-°K))	Coeff.	TRANS	SOLAR	TRANS
				(W)	(W)	(W)
N EXPOSURE						
WALL	5	0,336	-	14	-	57
WINDOW 1	6	1,700	0,811	49	470	347

Space Design Load Summary for Default System

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06.25.2014
11:51

TABLE 5.2.A. COMPONENT LOADS FOR SPACE " 115 Syblekalnq " IN ZONE " Zone 5 "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jul 1400 COOLING OA DB / WB 35,6 °C / 18,8 °C OCCUPIED T-STAT 26,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -9,0 °C / -10,0 °C OCCUPIED T-STAT 25,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m?	0	-	0 m?	-	-
Wall Transmission	0 m?	0	-	0 m?	0	-
Roof Transmission	4 m?	35	-	4 m?	38	-
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	4 m?	0	-	4 m?	23	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	0 W	0	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	35	0	-	61	0

TABLE 5.2.B. ENVELOPE LOADS FOR SPACE " 115 Syblekalnq " IN ZONE " Zone 5 "						
	Area (m?)	U-Value (W/(m²·°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS (W)	SOLAR (W)	TRANS (W)
H EXPOSURE						
ROOF	4	0,260	-	35	-	38

Space Design Load Summary for Default System

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06.25.2014
11:51

TABLE 5.3.A. COMPONENT LOADS FOR SPACE " 120 Syblekalnq " IN ZONE " Zone 5 "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jul 1500 COOLING OA DB / WB 36,0 °C / 18,9 °C OCCUPIED T-STAT 26,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -9,0 °C / -10,0 °C OCCUPIED T-STAT 25,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	0 m?	0	-	0 m?	-	-
Wall Transmission	9 m?	23	-	9 m?	103	-
Roof Transmission	5 m?	40	-	5 m?	44	-
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	5 m?	0	-	5 m?	26	-
Partitions	0 m?	0	-	0 m?	0	-
Ceiling	0 m?	0	-	0 m?	0	-
Overhead Lighting	0 W	0	-	0	0	-
Task Lighting	0 W	0	-	0	0	-
Electric Equipment	0 W	0	-	0	0	-
People	0	0	0	0	0	0
Infiltration	-	0	0	-	0	0
Miscellaneous	-	0	0	-	0	0
Safety Factor	0% / 0%	0	0	0%	0	0
>> Total Zone Loads	-	63	0	-	173	0

TABLE 5.3.B. ENVELOPE LOADS FOR SPACE " 120 Syblekalnq " IN ZONE " Zone 5 "						
	Area (m?)	U-Value (W/(m²·°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS (W)	SOLAR (W)	TRANS (W)
N EXPOSURE						
WALL	9	0,336	-	23	-	103
H EXPOSURE						
ROOF	5	0,260	-	40	-	44