

Zone Sizing Summary for Llogaritje termike- tot

Project Name: Banese 6 kate me kosto te ulet dhe eficence energjitike

06-18-2016
04:13MD

Air System Information

Air System Name **Llogaritje termike- tot**
 Equipment Class **TERM**
 Air System Type **2P-FC**

Number of zones **1**
 Floor Area **2162,0** m²
 Location **Tirane, Shqiperi**

Sizing Calculation Information

Calculation Months **Jan to Dec**
 Sizing Data **Calculated**

Zone L/s Sizing **Sum of space airflow rates**
 Space L/s Sizing **Individual peak space loads**

Terminal Unit Sizing Data - Cooling

Zone Name	Total Coil Load (kW)	Sens Coil Load (kW)	Coil Entering DB / WB (°C)	Coil Leaving DB / WB (°C)	Water Flow @ 5,6 °K (L/s)	Time of Peak Coil Load	Zone L/(s-m ²)
Zone 1	0,0	0,0	-18,3 / -18,3	-18,3 / -18,3	0,00	Des 0000	1,97

Terminal Unit Sizing Data - Heating, Fan, Ventilation

Zone Name	Heating Coil Load (kW)	Heating Coil Ent/Lvg DB (°C)	Htg Coil Water Flow @11,1 °K (L/s)	Fan Design Airflow (L/s)	Fan Motor (BHP)	Fan Motor (kW)	OA Vent Design Airflow (L/s)
Zone 1	63,8	21,3 / 33,7	1,37	4255	0,000	0,000	0

Zone Peak Sensible Loads

Zone Name	Zone Cooling Sensible (kW)	Time of Peak Sensible Cooling Load	Zone Heating Load (kW)	Zone Floor Area (m ²)
Zone 1	81,8	Sep 1500	66,8	2162,0

Space Loads and Airflows

Zone Name / Space Name	Mult.	Cooling Sensible (kW)	Time of Peak Sensible Load	Air Flow (L/s)	Heating Load (kW)	Floor Area (m ²)	Space L/(s-m ²)
Zone 1							
Kati 0 - NJ/treg.-01	1	4,6	Sep 1500	126	2,0	28,5	4,43
Kati 0 - NJ/treg.-02	1	5,1	Oct 1300	106	1,7	45,0	2,36
Kati 0 - NJ/treg.-03	1	8,0	Oct 1300	165	2,6	60,0	2,76
Kati 0 - NJ/treg.-04	1	4,1	Sep 1300	126	2,0	28,5	4,43
Kati 0 - NJ/treg.-05	1	3,0	Jun 0900	126	2,0	28,5	4,43
Kati 0 - NJ/treg.-06	1	1,4	Jun 1800	108	1,7	30,0	3,61
Kati 0 - NJ/treg.-07	1	1,9	Jun 1800	138	2,2	45,0	3,06
Kati 0 - NJ/treg.-08	1	3,7	Jun 1700	126	2,0	28,5	4,43
Kati 01 - Shkalla	1	0,3	Jun 1700	43	0,7	48,0	0,89
Kati 1, 3 - Ap 01	2	2,4	Oct 1400	82	1,3	60,0	1,37
Kati 1, 3 - Ap 02	2	2,0	Jun 1700	138	2,2	72,0	1,92
Kati 1, 3 - Ap 03	2	1,8	Jun 1500	138	2,2	72,0	1,92
Kati 1, 3 - Ap 04	2	2,3	Oct 1400	82	1,3	55,0	1,49
Kati 1, 3 - Ap 05	2	3,2	Oct 1400	118	1,8	70,0	1,68
Kati 1, 3 - Shkalla	2	0,3	Jun 1700	34	0,5	36,0	0,94
Kati 2, 4 - Ap 01	2	1,2	Oct 1400	56	0,9	40,0	1,39
Kati 2, 4 - Ap 02	2	2,0	Jun 1700	138	2,2	72,0	1,92
Kati 2, 4 - Ap 03	2	1,8	Jun 1500	138	2,2	72,0	1,92
Kati 2, 4 - Ap 04	2	2,3	Oct 1400	82	1,3	55,0	1,49
Kati 2, 4 - Ap 05	2	4,1	Oct 1400	142	2,2	85,0	1,67
Kati 2, 4 - Shkalla	2	0,3	Jun 1700	34	0,5	36,0	0,94
Kati 5 - Ap 01	1	2,8	Sep 1500	121	1,9	60,0	2,01
Kati 5 - Ap 02	1	2,9	Jun 1700	185	2,9	72,0	2,57

Zone Sizing Summary for Llogaritje termike- tot

Project Name: Banese 6 kate me kosto te ulet dhe eficence energjitike

06-18-2016

04:13MD

Zone Name / Space Name	Mult.	Cooling Sensible (kW)	Time of Peak Sensible Load	Air Flow (L/s)	Heating Load (kW)	Floor Area (m ²)	Space L/(s-m ²)
Kati 5 - Ap 03	1	2,7	Jun 1700	185	2,9	72,0	2,57
Kati 5 - Ap 04	1	2,7	Sep 1400	121	1,9	60,0	2,01
Kati 5 - Ap 05	1	3,5	Sep 1500	163	2,6	70,0	2,33
Kati 5 - Shkalla	1	0,7	Jun 1800	53	0,8	36,0	1,48

Air System Design Load Summary for Llogaritje termike- tot

Project Name: Banese 6 kate me kosto te ulet dhe eficence energjitike

06-18-2016
04:13MD

	DESIGN COOLING			DESIGN HEATING		
	NO COOLING DATA			HEATING DATA AT DES HTG		
	NO COOLING OA DB / WB			HEATING OA DB / WB -2,0 °C / -2,7 °C		
ZONE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	445 m ²	-	-	445 m ²	-	-
Wall Transmission	1034 m ²	-	-	1034 m ²	12901	-
Roof Transmission	370 m ²	-	-	370 m ²	3263	-
Window Transmission	445 m ²	-	-	445 m ²	27270	-
Skylight Transmission	0 m ²	-	-	0 m ²	0	-
Door Loads	2 m ²	-	-	2 m ²	90	-
Floor Transmission	495 m ²	-	-	495 m ²	3374	-
Partitions	655 m ²	-	-	655 m ²	11153	-
Ceiling	0 m ²	-	-	0 m ²	0	-
Overhead Lighting	-	-	-	0	0	-
Task Lighting	-	-	-	0	0	-
Electric Equipment	-	-	-	0	0	-
People	-	-	-	0	0	0
Infiltration	-	-	-	-	0	0
Miscellaneous	-	-	-	-	0	0
Safety Factor	0% / 0%	-	-	15%	8708	0
>> Total Zone Loads	-	-	-	-	66759	0
Zone Conditioning	-	-	-	-	63769	0
Plenum Wall Load	0%	-	-	0	0	-
Plenum Roof Load	0%	-	-	0	0	-
Plenum Lighting Load	0%	-	-	0	0	-
Exhaust Fan Load	-	-	-	0 L/s	0	-
Ventilation Load	-	-	-	0 L/s	0	0
Ventilation Fan Load	-	-	-	0 L/s	0	-
Space Fan Coil Fans	-	-	-	-	0	-
Duct Heat Gain / Loss	0%	-	-	0%	0	-
>> Total System Loads	-	-	-	-	63769	0
Terminal Unit Cooling	-	-	-	-	0	0
Terminal Unit Heating	-	-	-	-	63769	-
>> Total Conditioning	-	-	-	-	63769	0
Key:	Positive values are clg loads Negative values are htg loads			Positive values are htg loads Negative values are clg loads		

Zone Design Load Summary for Llogaritje termike- tot

Project Name: Banese 6 kate me kosto te ulet dhe eficence energjitike

06-18-2016
04:13MD

Zone 1	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Sep 1500			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 33,9 °C / 23,4 °C			HEATING OA DB / WB -2,0 °C / -2,7 °C		
	OCCUPIED T-STAT 24,0 °C			OCCUPIED T-STAT 22,0 °C		
ZONE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	445 m ²	58252	-	445 m ²	-	-
Wall Transmission	1034 m ²	6120	-	1034 m ²	12901	-
Roof Transmission	370 m ²	2954	-	370 m ²	3263	-
Window Transmission	445 m ²	9223	-	445 m ²	27270	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	2 m ²	30	-	2 m ²	90	-
Floor Transmission	495 m ²	1224	-	495 m ²	3374	-
Partitions	655 m ²	4045	-	655 m ²	11153	-
Ceiling	0 m ²	0	-	0 m ²	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	15%	8708	0
>> Total Zone Loads	-	81850	0	-	66759	0

Space Design Load Summary for Llogaritje termike- tot

Project Name: Pallat Koli-Llog. Term-Pallati 6 kate- 5 cm termoz

06-18-2016
04:13MD

TABLE 1.1.A. COMPONENT LOADS FOR SPACE " Kati 0 - NJ/treg.-01 " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Sep 1500 COOLING OA DB / WB 33,9 °C / 23,4 °C OCCUPIED T-STAT 24,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -2,0 °C / -2,7 °C OCCUPIED T-STAT 22,0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	21 m ²	4014	-	21 m ²	-	-
Wall Transmission	21 m ²	109	-	21 m ²	256	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	21 m ²	430	-	21 m ²	1271	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	29 m ²	70	-	29 m ²	194	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	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	15%	258	0
>> Total Zone Loads	-	4624	0	-	1979	0

TABLE 1.1.B. ENVELOPE LOADS FOR SPACE " Kati 0 - NJ/treg.-01 " IN ZONE " Zone 1 "						
				COOLING	COOLING	HEATING
	Area	U-Value	Shade	TRANS	SOLAR	TRANS
	(m ²)	(W/(m ² -°K))	Coeff.	(W)	(W)	(W)
S EXPOSURE						
WALL	3	0,520	-	24	-	37
WINDOW 1	11	2,522	0,745	215	2198	636
W EXPOSURE						
WALL	18	0,520	-	85	-	218
WINDOW 1	11	2,522	0,745	215	1816	636

Space Design Load Summary for Llogaritje termike- tot

Project Name: Pallat Koli-Llog. Term-Pallati 6 kate- 5 cm termoz

06-18-2016
04:13MD

TABLE 1.2.A. COMPONENT LOADS FOR SPACE " Kati 0 - NJ/treg.-02 " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Oct 1300			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 30,4 °C / 21,9 °C OCCUPIED T-STAT 24,0 °C			HEATING OA DB / WB -2,0 °C / -2,7 °C OCCUPIED T-STAT 22,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	18 m ²	4772	-	18 m ²	-	-
Wall Transmission	4 m ²	24	-	4 m ²	47	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	18 m ²	217	-	18 m ²	1097	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	45 m ²	62	-	45 m ²	307	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	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	15%	218	0
>> Total Zone Loads	-	5074	0	-	1669	0

TABLE 1.2.B. ENVELOPE LOADS FOR SPACE " Kati 0 - NJ/treg.-02 " IN ZONE " Zone 1 "						
				COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
				(W)	(W)	(W)
S EXPOSURE	Area (m ²)	U-Value (W/(m ² ·°K))	Shade Coeff.			
WALL	4	0,520	-	24	-	47
WINDOW 1	18	2,512	0,745	217	4772	1097

Space Design Load Summary for Llogaritje termike- tot

Project Name: Pallat Koli-Llog. Term-Pallati 6 kate- 5 cm termoz

06-18-2016
04:13MD

TABLE 1.3.A. COMPONENT LOADS FOR SPACE " Kati 0 - NJ/treg.-03 " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Oct 1300			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 30,4 °C / 21,9 °C OCCUPIED T-STAT 24,0 °C			HEATING OA DB / WB -2,0 °C / -2,7 °C OCCUPIED T-STAT 22,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	29 m ²	7524	-	29 m ²	-	-
Wall Transmission	9 m ²	57	-	9 m ²	114	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	29 m ²	343	-	29 m ²	1733	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	60 m ²	83	-	60 m ²	409	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	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	15%	338	0
>> Total Zone Loads	-	8007	0	-	2593	0

TABLE 1.3.B. ENVELOPE LOADS FOR SPACE " Kati 0 - NJ/treg.-03 " IN ZONE " Zone 1 "						
				COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
				(W)	(W)	(W)
S EXPOSURE	Area (m ²)	U-Value (W/(m ² ·°K))	Shade Coeff.			
WALL	9	0,520	-	57	-	114
WINDOW 1	18	2,512	0,745	217	4772	1097
WINDOW 2	11	2,522	0,745	126	2753	636

Space Design Load Summary for Llogaritje termike- tot

Project Name: Pallat Koli-Llog. Term-Pallati 6 kate- 5 cm termoz

06-18-2016
04:13MD

TABLE 1.4.A. COMPONENT LOADS FOR SPACE " Kati 0 - NJ/treg.-04 " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Sep 1300			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 32,8 °C / 23,1 °C OCCUPIED T-STAT 24,0 °C			HEATING OA DB / WB -2,0 °C / -2,7 °C OCCUPIED T-STAT 22,0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	21 m ²	3569	-	21 m ²	-	-
Wall Transmission	21 m ²	129	-	21 m ²	256	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	21 m ²	379	-	21 m ²	1271	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	29 m ²	62	-	29 m ²	194	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	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	15%	258	0
>> Total Zone Loads	-	4138	0	-	1979	0

TABLE 1.4.B. ENVELOPE LOADS FOR SPACE " Kati 0 - NJ/treg.-04 " IN ZONE " Zone 1 "						
	Area	U-Value	Shade	COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
				(m ²)	(W/(m ² ·°K))	Coeff.
S EXPOSURE						
WALL	3	0,520	-	21	-	37
WINDOW 1	11	2,522	0,745	189	2377	636
E EXPOSURE						
WALL	18	0,520	-	108	-	218
WINDOW 1	11	2,522	0,745	189	1192	636

Space Design Load Summary for Llogaritje termike- tot

Project Name: Pallat Koli-Llog. Term-Pallati 6 kate- 5 cm termoz

06-18-2016
04:13MD

TABLE 1.5.A. COMPONENT LOADS FOR SPACE " Kati 0 - NJ/treg.-05 " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jun 0900			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 27,4 °C / 22,1 °C OCCUPIED T-STAT 24,0 °C			HEATING OA DB / WB -2,0 °C / -2,7 °C OCCUPIED T-STAT 22,0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	21 m ²	2694	-	21 m ²	-	-
Wall Transmission	21 m ²	125	-	21 m ²	256	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	21 m ²	185	-	21 m ²	1271	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	29 m ²	28	-	29 m ²	194	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	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	15%	258	0
>> Total Zone Loads	-	3032	0	-	1979	0

TABLE 1.5.B. ENVELOPE LOADS FOR SPACE " Kati 0 - NJ/treg.-05 " IN ZONE " Zone 1 "						
	Area	U-Value	Shade	COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
				(m ²)	(W/(m ² ·°K))	Coeff.
N EXPOSURE						
WALL	3	0,520	-	13	-	37
WINDOW 1	11	2,522	0,745	93	546	636
E EXPOSURE						
WALL	18	0,520	-	112	-	218
WINDOW 1	11	2,522	0,745	93	2149	636

Space Design Load Summary for Llogaritje termike- tot

Project Name: Pallat Koli-Llog. Term-Pallati 6 kate- 5 cm termoz

06-18-2016
04:13MD

TABLE 1.6.A. COMPONENT LOADS FOR SPACE " Kati 0 - NJ/treg.-06 " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jun 1800			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 32,4 °C / 23,4 °C OCCUPIED T-STAT 24,0 °C			HEATING OA DB / WB -2,0 °C / -2,7 °C OCCUPIED T-STAT 22,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	13 m ²	903	-	13 m ²	-	-
Wall Transmission	4 m ²	18	-	4 m ²	44	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	13 m ²	240	-	13 m ²	761	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	30 m ²	69	-	30 m ²	204	-
Partitions	28 m ²	158	-	28 m ²	469	-
Ceiling	0 m ²	0	-	0 m ²	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	15%	222	0
>> Total Zone Loads	-	1387	0	-	1700	0

TABLE 1.6.B. ENVELOPE LOADS FOR SPACE " Kati 0 - NJ/treg.-06 " IN ZONE " Zone 1 "						
				COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
				(W)	(W)	(W)
N EXPOSURE	Area (m ²)	U-Value (W/(m ² ·°K))	Shade Coeff.			
WALL	4	0,520	-	18	-	44
WINDOW 1	13	2,518	0,745	240	903	761

Space Design Load Summary for Llogaritje termike- tot

Project Name: Pallat Koli-Llog. Term-Pallati 6 kate- 5 cm termoz

06-18-2016
04:13MD

TABLE 1.7.A. COMPONENT LOADS FOR SPACE " Kati 0 - NJ/treg.-07 " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jun 1800			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 32,4 °C / 23,4 °C OCCUPIED T-STAT 24,0 °C			HEATING OA DB / WB -2,0 °C / -2,7 °C OCCUPIED T-STAT 22,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	18 m ²	1305	-	18 m ²	-	-
Wall Transmission	4 m ²	19	-	4 m ²	47	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	18 m ²	346	-	18 m ²	1097	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	45 m ²	103	-	45 m ²	307	-
Partitions	25 m ²	143	-	25 m ²	426	-
Ceiling	0 m ²	0	-	0 m ²	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	15%	282	0
>> Total Zone Loads	-	1916	0	-	2159	0

TABLE 1.7.B. ENVELOPE LOADS FOR SPACE " Kati 0 - NJ/treg.-07 " IN ZONE " Zone 1 "						
		COOLING			HEATING	
		Area	U-Value	Shade	COOLING	HEATING
		(m ²)	(W/(m ² ·°K))	Coeff.	TRANS (W)	SOLAR (W)
N EXPOSURE						
WALL	4	0,520	-	19	-	47
WINDOW 1	18	2,512	0,745	346	1305	1097

Space Design Load Summary for Llogaritje termike- tot

Project Name: Pallat Koli-Llog. Term-Pallati 6 kate- 5 cm termoz

06-18-2016
04:13MD

TABLE 1.8.A. COMPONENT LOADS FOR SPACE " Kati 0 - NJ/treg.-08 " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jun 1700			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 33,5 °C / 23,7 °C OCCUPIED T-STAT 24,0 °C			HEATING OA DB / WB -2,0 °C / -2,7 °C OCCUPIED T-STAT 22,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	21 m ²	3060	-	21 m ²	-	-
Wall Transmission	21 m ²	137	-	21 m ²	256	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	21 m ²	435	-	21 m ²	1271	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	29 m ²	71	-	29 m ²	194	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	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	15%	258	0
>> Total Zone Loads	-	3704	0	-	1979	0

TABLE 1.8.B. ENVELOPE LOADS FOR SPACE " Kati 0 - NJ/treg.-08 " IN ZONE " Zone 1 "						
	Area (m ²)	U-Value (W/(m ² ·°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
				(W)	(W)	(W)
N EXPOSURE						
WALL	3	0,520	-	15	-	37
WINDOW 1	11	2,522	0,745	218	707	636
W EXPOSURE						
WALL	18	0,520	-	122	-	218
WINDOW 1	11	2,522	0,745	218	2353	636

Space Design Load Summary for Llogaritje termike- tot

Project Name: Pallat Koli-Llog. Term-Pallati 6 kate- 5 cm termoz

06-18-2016
04:13MD

TABLE 1.9.A. COMPONENT LOADS FOR SPACE " Kati 01 - Shkalla " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jun 1700			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 33,5 °C / 23,7 °C			HEATING OA DB / WB -2,0 °C / -2,7 °C		
OCCUPIED T-STAT 24,0 °C			OCCUPIED T-STAT 22,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	2 m ²	119	-	2 m ²	-	-
Wall Transmission	15 m ²	74	-	15 m ²	188	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	2 m ²	38	-	2 m ²	110	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	2 m ²	31	-	2 m ²	90	-
Floor Transmission	29 m ²	71	-	29 m ²	194	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	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	15%	87	0
>> Total Zone Loads	-	333	0	-	669	0

TABLE 1.9.B. ENVELOPE LOADS FOR SPACE " Kati 01 - Shkalla " IN ZONE " Zone 1 "							
		Area (m ²)	U-Value (W/(m ² ·°K))	Shade Coeff.	COOLING	COOLING	HEATING
					TRANS	SOLAR	TRANS
					(W)	(W)	(W)
N EXPOSURE							
WALL	15	0,520	-	74	-	188	
WINDOW 1	2	2,602	0,745	38	119	110	
DOOR	2	1,703	-	31	-	90	

Space Design Load Summary for Llogaritje termike- tot

Project Name: Pallat Koli-Llog. Term-Pallati 6 kate- 5 cm termoz

06-18-2016
04:13MD

TABLE 1.10.A. COMPONENT LOADS FOR SPACE " Kati 1, 3 - Ap 01 " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Oct 1400			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 31,2 °C / 22,1 °C OCCUPIED T-STAT 24,0 °C			HEATING OA DB / WB -2,0 °C / -2,7 °C OCCUPIED T-STAT 22,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	9 m ²	2064	-	9 m ²	-	-
Wall Transmission	37 m ²	162	-	37 m ²	462	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	9 m ²	131	-	9 m ²	585	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	4 m ²	17	-	4 m ²	72	-
Ceiling	0 m ²	0	-	0 m ²	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	15%	168	0
>> Total Zone Loads	-	2375	0	-	1286	0

TABLE 1.10.B. ENVELOPE LOADS FOR SPACE " Kati 1, 3 - Ap 01 " IN ZONE " Zone 1 "						
	Area (m ²)	U-Value (W/(m ² ·°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
				(W)	(W)	(W)
S EXPOSURE						
WALL	14	0,520	-	99	-	181
WINDOW 1	4	2,555	0,745	49	911	216
WINDOW 2	3	2,567	0,745	42	776	185
W EXPOSURE						
WALL	23	0,520	-	63	-	281
WINDOW 1	1	2,642	0,745	14	123	61
WINDOW 2	2	2,591	0,745	28	254	123

Space Design Load Summary for Llogaritje termike- tot

Project Name: Pallat Koli-Llog. Term-Pallati 6 kate- 5 cm termoz

06-18-2016
04:13MD

TABLE 1.11.A. COMPONENT LOADS FOR SPACE " Kati 1, 3 - Ap 02 " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jun 1700			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 33,5 °C / 23,7 °C OCCUPIED T-STAT 24,0 °C			HEATING OA DB / WB -2,0 °C / -2,7 °C OCCUPIED T-STAT 22,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	12 m ²	1299	-	12 m ²	-	-
Wall Transmission	35 m ²	221	-	35 m ²	436	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	12 m ²	264	-	12 m ²	769	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	40 m ²	251	-	40 m ²	682	-
Ceiling	0 m ²	0	-	0 m ²	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	15%	283	0
>> Total Zone Loads	-	2035	0	-	2170	0

TABLE 1.11.B. ENVELOPE LOADS FOR SPACE " Kati 1, 3 - Ap 02 " IN ZONE " Zone 1 "							
		Area (m ²)	U-Value (W/(m ² ·°K))	Shade Coeff.	COOLING	COOLING	HEATING
					TRANS	SOLAR	TRANS
					(W)	(W)	(W)
N EXPOSURE							
WALL	11	0,520	-	57	-	143	
WINDOW 1	4	2,555	0,745	74	237	216	
WINDOW 2	6	2,567	0,745	127	404	370	
W EXPOSURE							
WALL	22	0,520	-	151	-	269	
WINDOW 1	1	2,642	0,745	21	215	61	
W EXPOSURE							
WALL	2	0,520	-	13	-	24	
WINDOW 1	2	2,591	0,745	42	444	123	

Space Design Load Summary for Llogaritje termike- tot

Project Name: Pallat Koli-Llog. Term-Pallati 6 kate- 5 cm termoz

06-18-2016
04:13MD

TABLE 1.12.A. COMPONENT LOADS FOR SPACE " Kati 1, 3 - Ap 03 " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jun 1500			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 34,4 °C / 24,0 °C OCCUPIED T-STAT 24,0 °C			HEATING OA DB / WB -2,0 °C / -2,7 °C OCCUPIED T-STAT 22,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	12 m ²	998	-	12 m ²	-	-
Wall Transmission	35 m ²	261	-	35 m ²	436	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	12 m ²	278	-	12 m ²	769	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	40 m ²	265	-	40 m ²	682	-
Ceiling	0 m ²	0	-	0 m ²	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	15%	283	0
>> Total Zone Loads	-	1802	0	-	2170	0

TABLE 1.12.B. ENVELOPE LOADS FOR SPACE " Kati 1, 3 - Ap 03 " IN ZONE " Zone 1 "						
	Area (m ²)	U-Value (W/(m ² ·°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
				(W)	(W)	(W)
N EXPOSURE						
WALL	11	0,520	-	53	-	143
WINDOW 1	4	2,555	0,745	78	217	216
WINDOW 2	6	2,567	0,745	134	371	370
E EXPOSURE						
WALL	22	0,520	-	191	-	269
WINDOW 1	1	2,642	0,745	22	134	61
E EXPOSURE						
WALL	2	0,520	-	17	-	24
WINDOW 1	2	2,591	0,745	44	276	123

Space Design Load Summary for Llogaritje termike- tot

Project Name: Pallat Koli-Llog. Term-Pallati 6 kate- 5 cm termoz

06-18-2016
04:13MD

TABLE 1.13.A. COMPONENT LOADS FOR SPACE " Kati 1, 3 - Ap 04 " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Oct 1400			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 31,2 °C / 22,1 °C OCCUPIED T-STAT 24,0 °C			HEATING OA DB / WB -2,0 °C / -2,7 °C OCCUPIED T-STAT 22,0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	9 m ²	1938	-	9 m ²	-	-
Wall Transmission	37 m ²	196	-	37 m ²	462	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	9 m ²	131	-	9 m ²	585	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	4 m ²	17	-	4 m ²	72	-
Ceiling	0 m ²	0	-	0 m ²	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	15%	168	0
>> Total Zone Loads	-	2282	0	-	1286	0

TABLE 1.13.B. ENVELOPE LOADS FOR SPACE " Kati 1, 3 - Ap 04 " IN ZONE " Zone 1 "						
	Area (m ²)	U-Value (W/(m ² ·°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
				(W)	(W)	(W)
S EXPOSURE						
WALL	14	0,520	-	99	-	181
WINDOW 1	4	2,555	0,745	49	911	216
WINDOW 2	3	2,567	0,745	42	776	185
E EXPOSURE						
WALL	23	0,520	-	97	-	281
WINDOW 1	1	2,642	0,745	14	82	61
WINDOW 2	2	2,591	0,745	28	169	123

Space Design Load Summary for Llogaritje termike- tot

Project Name: Pallat Koli-Llog. Term-Pallati 6 kate- 5 cm termoz

06-18-2016
04:13MD

TABLE 1.14.A. COMPONENT LOADS FOR SPACE " Kati 1, 3 - Ap 05 " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Oct 1400			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 31,2 °C / 22,1 °C OCCUPIED T-STAT 24,0 °C			HEATING OA DB / WB -2,0 °C / -2,7 °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 ²	2717	-	12 m ²	-	-
Wall Transmission	28 m ²	173	-	28 m ²	349	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	12 m ²	159	-	12 m ²	709	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	32 m ²	127	-	32 m ²	545	-
Ceiling	0 m ²	0	-	0 m ²	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	15%	240	0
>> Total Zone Loads	-	3177	0	-	1844	0

TABLE 1.14.B. ENVELOPE LOADS FOR SPACE " Kati 1, 3 - Ap 05 " IN ZONE " Zone 1 "						
	Area (m ²)	U-Value (W/(m ² ·°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
				(W)	(W)	(W)
S EXPOSURE						
WALL	22	0,520	-	150	-	274
WINDOW 1	4	2,555	0,745	49	911	216
WINDOW 2	6	2,567	0,745	83	1553	370
W EXPOSURE						
WALL	2	0,520	-	6	-	25
WINDOW 1	2	2,591	0,745	28	254	123
E EXPOSURE						
WALL	4	0,520	-	17	-	50

Space Design Load Summary for Llogaritje termike- tot

Project Name: Pallat Koli-Llog. Term-Pallati 6 kate- 5 cm termoz

06-18-2016
04:13MD

TABLE 1.15.A. COMPONENT LOADS FOR SPACE " Kati 1, 3 - Shkalla " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jun 1700			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 33,5 °C / 23,7 °C OCCUPIED T-STAT 24,0 °C			HEATING OA DB / WB -2,0 °C / -2,7 °C OCCUPIED T-STAT 22,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	2 m ²	119	-	2 m ²	-	-
Wall Transmission	8 m ²	42	-	8 m ²	105	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	2 m ²	38	-	2 m ²	110	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	36 m ²	90	-	36 m ²	245	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	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	15%	69	0
>> Total Zone Loads	-	288	0	-	530	0

TABLE 1.15.B. ENVELOPE LOADS FOR SPACE " Kati 1, 3 - Shkalla " IN ZONE " Zone 1 "						
	Area (m ²)	U-Value (W/(m ² ·°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
				(W)	(W)	(W)
N EXPOSURE						
WALL	8	0,520	-	42	-	105
WINDOW 1	2	2,602	0,745	38	119	110

Space Design Load Summary for Llogaritje termike- tot

Project Name: Pallat Koli-Llog. Term-Pallati 6 kate- 5 cm termoz

06-18-2016
04:13MD

TABLE 1.16.A. COMPONENT LOADS FOR SPACE " Kati 2, 4 - Ap 01 " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Oct 1400			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 31,2 °C / 22,1 °C OCCUPIED T-STAT 24,0 °C			HEATING OA DB / WB -2,0 °C / -2,7 °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 ²	1034	-	4 m ²	-	-
Wall Transmission	33 m ²	127	-	33 m ²	412	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	4 m ²	62	-	4 m ²	277	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	4 m ²	17	-	4 m ²	72	-
Ceiling	0 m ²	0	-	0 m ²	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	15%	114	0
>> Total Zone Loads	-	1240	0	-	874	0

TABLE 1.16.B. ENVELOPE LOADS FOR SPACE " Kati 2, 4 - Ap 01 " IN ZONE " Zone 1 "						
				COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
				(W)	(W)	(W)
	Area	U-Value	Shade			
	(m ²)	(W/(m ² ·°K))	Coeff.			
S EXPOSURE						
WALL	8	0,520	-	58	-	106
WINDOW 1	4	2,555	0,745	49	911	216
W EXPOSURE						
WALL	25	0,520	-	69	-	306
WINDOW 1	1	2,642	0,745	14	123	61

Space Design Load Summary for Llogaritje termike- tot

Project Name: Pallat Koli-Llog. Term-Pallati 6 kate- 5 cm termoz

06-18-2016
04:13MD

TABLE 1.17.A. COMPONENT LOADS FOR SPACE " Kati 2, 4 - Ap 02 " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jun 1700			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 33,5 °C / 23,7 °C OCCUPIED T-STAT 24,0 °C			HEATING OA DB / WB -2,0 °C / -2,7 °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 ²	1299	-	12 m ²	-	-
Wall Transmission	35 m ²	221	-	35 m ²	436	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	12 m ²	264	-	12 m ²	769	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	40 m ²	251	-	40 m ²	682	-
Ceiling	0 m ²	0	-	0 m ²	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	15%	283	0
>> Total Zone Loads	-	2035	0	-	2170	0

TABLE 1.17.B. ENVELOPE LOADS FOR SPACE " Kati 2, 4 - Ap 02 " IN ZONE " Zone 1 "						
	Area (m ²)	U-Value (W/(m ² ·°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
				(W)	(W)	(W)
N EXPOSURE						
WALL	11	0,520	-	57	-	143
WINDOW 1	4	2,555	0,745	74	237	216
WINDOW 2	6	2,567	0,745	127	404	370
W EXPOSURE						
WALL	22	0,520	-	151	-	269
WINDOW 1	1	2,642	0,745	21	215	61
W EXPOSURE						
WALL	2	0,520	-	13	-	24
WINDOW 1	2	2,591	0,745	42	444	123

Space Design Load Summary for Llogaritje termike- tot

Project Name: Pallat Koli-Llog. Term-Pallati 6 kate- 5 cm termoz

06-18-2016

04:13MD

TABLE 1.18.A. COMPONENT LOADS FOR SPACE " Kati 2, 4 - Ap 03 " IN ZONE " Zone 1 "						
SPACE LOADS	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jun 1500			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 34,4 °C / 24,0 °C OCCUPIED T-STAT 24,0 °C			HEATING OA DB / WB -2,0 °C / -2,7 °C OCCUPIED T-STAT 22,0 °C		
	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	12 m ²	998	-	12 m ²	-	-
Wall Transmission	35 m ²	261	-	35 m ²	436	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	12 m ²	278	-	12 m ²	769	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	40 m ²	265	-	40 m ²	682	-
Ceiling	0 m ²	0	-	0 m ²	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	15%	283	0
>> Total Zone Loads	-	1802	0	-	2170	0

TABLE 1.18.B. ENVELOPE LOADS FOR SPACE " Kati 2, 4 - Ap 03 " IN ZONE " Zone 1 "						
	Area (m ²)	U-Value (W/(m ² ·°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
				(W)	(W)	(W)
N EXPOSURE						
WALL	11	0,520	-	53	-	143
WINDOW 1	4	2,555	0,745	78	217	216
WINDOW 2	6	2,567	0,745	134	371	370
E EXPOSURE						
WALL	22	0,520	-	191	-	269
WINDOW 1	1	2,642	0,745	22	134	61
E EXPOSURE						
WALL	2	0,520	-	17	-	24
WINDOW 1	2	2,591	0,745	44	276	123

Space Design Load Summary for Llogaritje termike- tot

Project Name: Pallat Koli-Llog. Term-Pallati 6 kate- 5 cm termoz

06-18-2016
04:13MD

TABLE 1.19.A. COMPONENT LOADS FOR SPACE " Kati 2, 4 - Ap 04 " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Oct 1400			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 31,2 °C / 22,1 °C OCCUPIED T-STAT 24,0 °C			HEATING OA DB / WB -2,0 °C / -2,7 °C OCCUPIED T-STAT 22,0 °C		
		Sensible	Latent		Sensible	Latent
SPACE LOADS	Details	(W)	(W)	Details	(W)	(W)
Window & Skylight Solar Loads	9 m ²	1938	-	9 m ²	-	-
Wall Transmission	37 m ²	196	-	37 m ²	462	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	9 m ²	131	-	9 m ²	585	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	4 m ²	17	-	4 m ²	72	-
Ceiling	0 m ²	0	-	0 m ²	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	15%	168	0
>> Total Zone Loads	-	2282	0	-	1286	0

TABLE 1.19.B. ENVELOPE LOADS FOR SPACE " Kati 2, 4 - Ap 04 " IN ZONE " Zone 1 "						
	Area (m ²)	U-Value (W/(m ² ·°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
				(W)	(W)	(W)
S EXPOSURE						
WALL	14	0,520	-	99	-	181
WINDOW 1	4	2,555	0,745	49	911	216
WINDOW 2	3	2,567	0,745	42	776	185
E EXPOSURE						
WALL	23	0,520	-	97	-	281
WINDOW 1	1	2,642	0,745	14	82	61
WINDOW 2	2	2,591	0,745	28	169	123

Space Design Load Summary for Llogaritje termike- tot

Project Name: Pallat Koli-Llog. Term-Pallati 6 kate- 5 cm termoz

06-18-2016
04:13MD

TABLE 1.20.A. COMPONENT LOADS FOR SPACE " Kati 2, 4 - Ap 05 " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Oct 1400			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 31,2 °C / 22,1 °C OCCUPIED T-STAT 24,0 °C			HEATING OA DB / WB -2,0 °C / -2,7 °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 ²	3494	-	15 m ²	-	-
Wall Transmission	40 m ²	242	-	40 m ²	493	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	15 m ²	201	-	15 m ²	893	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	32 m ²	127	-	32 m ²	545	-
Ceiling	0 m ²	0	-	0 m ²	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	15%	290	0
>> Total Zone Loads	-	4064	0	-	2221	0

TABLE 1.20.B. ENVELOPE LOADS FOR SPACE " Kati 2, 4 - Ap 05 " IN ZONE " Zone 1 "						
	Area (m ²)	U-Value (W/(m ² ·°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
				(W)	(W)	(W)
S EXPOSURE						
WALL	29	0,520	-	202	-	368
WINDOW 1	4	2,555	0,745	49	911	216
WINDOW 2	9	2,567	0,745	125	2329	554
W EXPOSURE						
WALL	2	0,520	-	6	-	25
WINDOW 1	2	2,591	0,745	28	254	123
E EXPOSURE						
WALL	8	0,520	-	34	-	100

Space Design Load Summary for Llogaritje termike- tot

Project Name: Pallat Koli-Llog. Term-Pallati 6 kate- 5 cm termoz

06-18-2016
04:13MD

TABLE 1.21.A. COMPONENT LOADS FOR SPACE " Kati 2, 4 - Shkalla " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jun 1700			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 33,5 °C / 23,7 °C OCCUPIED T-STAT 24,0 °C			HEATING OA DB / WB -2,0 °C / -2,7 °C OCCUPIED T-STAT 22,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	2 m ²	119	-	2 m ²	-	-
Wall Transmission	8 m ²	42	-	8 m ²	105	-
Roof Transmission	0 m ²	0	-	0 m ²	0	-
Window Transmission	2 m ²	38	-	2 m ²	110	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	36 m ²	90	-	36 m ²	245	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	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	15%	69	0
>> Total Zone Loads	-	288	0	-	530	0

TABLE 1.21.B. ENVELOPE LOADS FOR SPACE " Kati 2, 4 - Shkalla " IN ZONE " Zone 1 "						
	Area (m ²)	U-Value (W/(m ² ·°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
				(W)	(W)	(W)
N EXPOSURE						
WALL	8	0,520	-	42	-	105
WINDOW 1	2	2,602	0,745	38	119	110

Space Design Load Summary for Llogaritje termike- tot

Project Name: Pallat Koli-Llog. Term-Pallati 6 kate- 5 cm termoz

06-18-2016
04:13MD

TABLE 1.22.A. COMPONENT LOADS FOR SPACE " Kati 5 - Ap 01 " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Sep 1500			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 33,9 °C / 23,4 °C OCCUPIED T-STAT 24,0 °C			HEATING OA DB / WB -2,0 °C / -2,7 °C OCCUPIED T-STAT 22,0 °C		
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	9 m ²	1873	-	9 m ²	-	-
Wall Transmission	37 m ²	226	-	37 m ²	462	-
Roof Transmission	60 m ²	479	-	60 m ²	529	-
Window Transmission	9 m ²	198	-	9 m ²	585	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	4 m ²	26	-	4 m ²	72	-
Ceiling	0 m ²	0	-	0 m ²	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	15%	247	0
>> Total Zone Loads	-	2802	0	-	1895	0

TABLE 1.22.B. ENVELOPE LOADS FOR SPACE " Kati 5 - Ap 01 " IN ZONE " Zone 1 "						
	Area (m ²)	U-Value (W/(m ² ·°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
				(W)	(W)	(W)
S EXPOSURE						
WALL	14	0,520	-	117	-	181
WINDOW 1	4	2,555	0,745	73	736	216
WINDOW 2	3	2,567	0,745	63	628	185
W EXPOSURE						
WALL	23	0,520	-	109	-	281
WINDOW 1	1	2,642	0,745	21	166	61
WINDOW 2	2	2,591	0,745	42	343	123
H EXPOSURE						
ROOF	60	0,367	-	479	-	529

Space Design Load Summary for Llogaritje termike- tot

Project Name: Pallat Koli-Llog. Term-Pallati 6 kate- 5 cm termoz

06-18-2016
04:13MD

TABLE 1.23.A. COMPONENT LOADS FOR SPACE " Kati 5 - Ap 02 " IN ZONE " Zone 1 "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jun 1700 COOLING OA DB / WB 33,5 °C / 23,7 °C OCCUPIED T-STAT 24,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -2,0 °C / -2,7 °C OCCUPIED T-STAT 22,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	12 m ²	1299	-	12 m ²	-	-
Wall Transmission	35 m ²	221	-	35 m ²	436	-
Roof Transmission	72 m ²	898	-	72 m ²	635	-
Window Transmission	12 m ²	264	-	12 m ²	769	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	40 m ²	251	-	40 m ²	682	-
Ceiling	0 m ²	0	-	0 m ²	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	15%	378	0
>> Total Zone Loads	-	2933	0	-	2900	0

TABLE 1.23.B. ENVELOPE LOADS FOR SPACE " Kati 5 - Ap 02 " IN ZONE " Zone 1 "						
			COOLING	COOLING	HEATING	
			TRANS	SOLAR	TRANS	
			(W)	(W)	(W)	
N EXPOSURE	Area (m ²)	U-Value (W/(m ² ·°K))	Shade Coeff.			
WALL	11	0,520	-	57	-	143
WINDOW 1	4	2,555	0,745	74	237	216
WINDOW 2	6	2,567	0,745	127	404	370
W EXPOSURE						
WALL	22	0,520	-	151	-	269
WINDOW 1	1	2,642	0,745	21	215	61
W EXPOSURE						
WALL	2	0,520	-	13	-	24
WINDOW 1	2	2,591	0,745	42	444	123
H EXPOSURE						
ROOF	72	0,367	-	898	-	635

Space Design Load Summary for Llogaritje termike- tot

Project Name: Pallat Koli-Llog. Term-Pallati 6 kate- 5 cm termoz

06-18-2016
04:13MD

TABLE 1.24.A. COMPONENT LOADS FOR SPACE " Kati 5 - Ap 03 " IN ZONE " Zone 1 "						
DESIGN COOLING			DESIGN HEATING			
COOLING DATA AT Jun 1700 COOLING OA DB / WB 33,5 °C / 23,7 °C OCCUPIED T-STAT 24,0 °C			HEATING DATA AT DES HTG HEATING OA DB / WB -2,0 °C / -2,7 °C OCCUPIED T-STAT 22,0 °C			
SPACE LOADS	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
Window & Skylight Solar Loads	12 m ²	1007	-	12 m ²	-	-
Wall Transmission	35 m ²	270	-	35 m ²	436	-
Roof Transmission	72 m ²	898	-	72 m ²	635	-
Window Transmission	12 m ²	264	-	12 m ²	769	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	40 m ²	251	-	40 m ²	682	-
Ceiling	0 m ²	0	-	0 m ²	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	15%	378	0
>> Total Zone Loads	-	2689	0	-	2900	0

TABLE 1.24.B. ENVELOPE LOADS FOR SPACE " Kati 5 - Ap 03 " IN ZONE " Zone 1 "						
			COOLING	COOLING	HEATING	
			TRANS	SOLAR	TRANS	
			(W)	(W)	(W)	
N EXPOSURE	Area (m ²)	U-Value (W/(m ² ·°K))	Shade Coeff.			
WALL	11	0,520	-	57	-	143
WINDOW 1	4	2,555	0,745	74	237	216
WINDOW 2	6	2,567	0,745	127	404	370
E EXPOSURE						
WALL	22	0,520	-	195	-	269
WINDOW 1	1	2,642	0,745	21	120	61
E EXPOSURE						
WALL	2	0,520	-	17	-	24
WINDOW 1	2	2,591	0,745	42	247	123
H EXPOSURE						
ROOF	72	0,367	-	898	-	635

Space Design Load Summary for Llogaritje termike- tot

Project Name: Pallat Koli-Llog. Term-Pallati 6 kate- 5 cm termoz

06-18-2016
04:13MD

TABLE 1.25.A. COMPONENT LOADS FOR SPACE " Kati 5 - Ap 04 " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Sep 1400			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 33,6 °C / 23,4 °C OCCUPIED T-STAT 24,0 °C			HEATING OA DB / WB -2,0 °C / -2,7 °C OCCUPIED T-STAT 22,0 °C		
	Details	Sensible (W)	Latent (W)	Details	Sensible (W)	Latent (W)
SPACE LOADS						
Window & Skylight Solar Loads	9 m ²	1779	-	9 m ²	-	-
Wall Transmission	37 m ²	256	-	37 m ²	462	-
Roof Transmission	60 m ²	415	-	60 m ²	529	-
Window Transmission	9 m ²	190	-	9 m ²	585	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	0 m ²	0	-	0 m ²	0	-
Partitions	4 m ²	25	-	4 m ²	72	-
Ceiling	0 m ²	0	-	0 m ²	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	15%	247	0
>> Total Zone Loads	-	2665	0	-	1895	0

TABLE 1.25.B. ENVELOPE LOADS FOR SPACE " Kati 5 - Ap 04 " IN ZONE " Zone 1 "							
		Area (m ²)	U-Value (W/(m ² ·°K))	Shade Coeff.	COOLING	COOLING	HEATING
					TRANS	SOLAR	TRANS
					(W)	(W)	(W)
S EXPOSURE							
WALL		14	0,520	-	108	-	181
WINDOW 1		4	2,555	0,745	70	788	216
WINDOW 2		3	2,567	0,745	60	671	185
E EXPOSURE							
WALL		23	0,520	-	148	-	281
WINDOW 1		1	2,642	0,745	20	104	61
WINDOW 2		2	2,591	0,745	40	215	123
H EXPOSURE							
ROOF		60	0,367	-	415	-	529

Space Design Load Summary for Llogaritje termike- tot

Project Name: Pallat Koli-Llog. Term-Pallati 6 kate- 5 cm termoz

06-18-2016
04:13MD

TABLE 1.27.A. COMPONENT LOADS FOR SPACE " Kati 5 - Shkalla " IN ZONE " Zone 1 "						
	DESIGN COOLING			DESIGN HEATING		
	COOLING DATA AT Jun 1800			HEATING DATA AT DES HTG		
	COOLING OA DB / WB 32,4 °C / 23,4 °C OCCUPIED T-STAT 24,0 °C			HEATING OA DB / WB -2,0 °C / -2,7 °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 ²	126	-	2 m ²	-	-
Wall Transmission	8 m ²	43	-	8 m ²	105	-
Roof Transmission	36 m ²	450	-	36 m ²	318	-
Window Transmission	2 m ²	35	-	2 m ²	110	-
Skylight Transmission	0 m ²	0	-	0 m ²	0	-
Door Loads	0 m ²	0	-	0 m ²	0	-
Floor Transmission	29 m ²	65	-	29 m ²	194	-
Partitions	0 m ²	0	-	0 m ²	0	-
Ceiling	0 m ²	0	-	0 m ²	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	15%	109	0
>> Total Zone Loads	-	719	0	-	836	0

TABLE 1.27.B. ENVELOPE LOADS FOR SPACE " Kati 5 - Shkalla " IN ZONE " Zone 1 "						
	Area (m ²)	U-Value (W/(m ² ·°K))	Shade Coeff.	COOLING	COOLING	HEATING
				TRANS	SOLAR	TRANS
				(W)	(W)	(W)
N EXPOSURE						
WALL	8	0,520	-	43	-	105
WINDOW 1	2	2,602	0,745	35	126	110
H EXPOSURE						
ROOF	36	0,367	-	450	-	318

“ARKONSTUDIO”sh.p.k
“ERALD-G” sh.p.k
Ing. Mek. Arben Muha