

Firma:

Dátum: 16.10.2021

Projektant:

Stavba: NADSTAVBA SOŠ HSaO BANSKÁ BYSTRICA ZMENA1

Miesto: parc. č. 2515/2, Školská ul. 5, Banská Bystrica

## Výpočet budovy

$t_e = -15\text{ °C}$      $B = 8\text{ Pa}^{0.67}$      $p_2 = 0.00$      $V = 0.0\text{ m}^3$

č.m.	Účel miestnosti	ti [°C]	M [-]	p1 [-]	p3 [-]	sv. str. [-]	n [1/h]	np [1/h]	Vinf [m³/h]	Vvent [m³/h]	Spdl [m²]	objem [m³]	Qo [W]	Qp [W]	Qv [W]	Qc [W]
4.01	CHODBA	18	0.7	0.00	0.00	JZ	0.0	0.0	0.0	0.0	97.2	320.8	48	48	0	48
4.02	PREDNASKOVA	20	0.7	0.06	0.00	JV	0.0	0.5	113.1	0.0	68.5	226.2	1970	2089	1430	3519
4.03	SATNA DIEVCAT	20	0.7	0.03	0.00	JV	0.0	0.5	16.1	0.0	9.7	32.2	374	386	204	590
4.04	KABINET	20	0.7	0.03	0.00	JZ	0.0	0.5	33.1	0.0	20.0	66.1	487	502	418	920
4.07	WC DIEVCATA P	20	0.7	0.00	0.00	JZ	0.0	0.5	10.0	0.0	6.0	19.9	180	180	126	306
4.08	WC DIEVCATA	20	0.7	0.03	0.00	JV	0.0	0.5	13.6	0.0	8.3	27.2	320	330	173	503
4.09	UCEBNA	20	0.7	0.03	0.00	JZ	0.0	0.5	96.0	0.0	58.2	192.1	1263	1301	1214	2515
4.10	UCEBNA	20	0.7	0.03	0.05	SZ	0.0	0.5	88.6	0.0	53.7	177.2	1012	1093	1121	2214
4.11	UCEBNA	20	0.7	0.03	0.05	SZ	0.0	0.5	86.0	0.0	52.1	172.0	996	1076	1087	2163
4.12	UCEBNA	20	0.7	0.03	0.05	SZ	0.0	0.5	85.5	0.0	51.8	171.1	991	1071	1082	2153
4.13	STUDIO VLAS.KC	20	0.7	0.03	0.05	SV	0.0	0.5	113.3	0.0	68.7	226.6	1441	1557	1433	2990
4.14	WC CHLAPCI PR	20	0.7	0.00	0.05	SV	0.0	0.5	10.0	0.0	6.0	19.9	180	189	126	315
4.15	WC CHLAPCI	20	0.7	0.03	0.00	JV	0.0	0.5	13.6	0.0	8.3	27.2	320	330	173	503
4.17	SATNA CHLAPCI	20	0.7	0.03	0.00	JV	0.0	0.5	16.1	0.0	9.7	32.2	375	387	204	591
4.18	KABINET	20	0.7	0.03	0.05	SV	0.0	0.5	33.1	0.0	20.0	66.1	487	526	418	944
4.20	SCHODISKO	11	0.7	0.00	0.00	JV	0.0	0.0	0.0	0.0	20.1	66.3	6	6	0	6
4.21	SCHODISKO	11	0.7	0.00	0.00	JV	0.0	0.0	0.0	0.0	20.1	66.3	4	4	0	4
										Spolu:	578.7	1909.6	10454	11075	9209	20284

$Q_{ob}$  - Základná tepelná strata budovy

$Q_{ob} = 10454\text{ W}$

$Q_{pb} = 11075\text{ W}$

$Q_{vb} = 9209\text{ W}$

$Q_{zb} = 0\text{ W}$

$Q_{pb}$  - Tepelná strata budovy zväčšená o prirážky

$Q_{vb}$  - Tepelná strata budovy vetraním

$Q_{cb} = 20284\text{ W}$

$Q_{zb}$  - Tepelné zisky budovy

$Q_{cb}$  - Celková tepelná strata budovy