

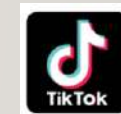
SECONDARY TECHNICAL SCHOOL OF CIVIL ENGINEERING



SPSSTAV.SK



STAVEBNA_HURBANOVO



STAVEBNA.HURBANOVO



SPSSTAV1

HURBANOVO, our town

- ❖ A small town in the south of Slovakia (app 7.500 inhabitants),
- ❖ The Nitra Region,
- ❖ The Komárno District,
- ❖ Accessible by bus or train.

- ❖ The number of students: $288 + 14 + 4 = 306$
- ❖ Bilingual educational institution (SK+HU):



- Slovak classes

- Hungarian classes

School facilities

- | gym,
- | dormitory,
- | canteen.



Our graduates will gain following skills and competencies

- ❖ Design different types of constructions,
- ❖ Acquire expertise in an entire set of construction documents,
- ❖ Acquire skills to use innovative construction methods,
- ❖ Use software such as ArchiCAD, ALLPLAN, AutoCAD,
- ❖ Measure with geodetic survey instruments,
- ❖ Use Cenkros Plus software to calculate the construction budget,
- ❖ Design the interior of buildings,
- ❖ Design the exterior of constructions,
- ❖ Advanced level of English language,
- ❖ Advanced level of Mathematics,
- ❖ Our institution offers a 4-year study programme ending with a state exam :
CONSTRUCTION



EXTRA – CURRICULAR ACTIVITIES

- ❖ Excursions to different construction sites and construction companies
- ❖ The National Day of Students
- ❖ Students Ball
- ❖ Parents and Teachers Ball
- ❖ The Day of Healthy School
- ❖ Theatrical Performances
- ❖ Concerts
- ❖ Workshops
- ❖ Green Ribbon Ball
- ❖ Partner Schools Meetings
- ❖ Outdoor activities
- ❖ Charity activities
- ❖ And many others



Work Experience (SMART HOME) abroad

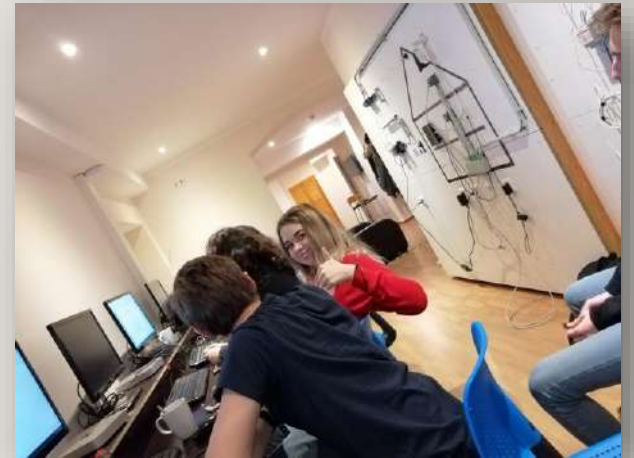


Our school has received EU funding and grants in Erasmus+ programme since 2018



Erasmus+

Participants use latest software for Smart Home projects in Germany and Spain



Work experience abroad Smart Home



LOXNONE HANNA



LOXONE

Create
Automation

Hanna s.r.o.
bezpečnost a komfort

GEODETIC MEASUREMENTS

MANDATORY 5-DAY TRAINING FOR 3rd GRADERS



SPORTS ACTIVITIES



MULTI-PURPOSE PLAYGROUND WITH ARTIFICIAL GRASS

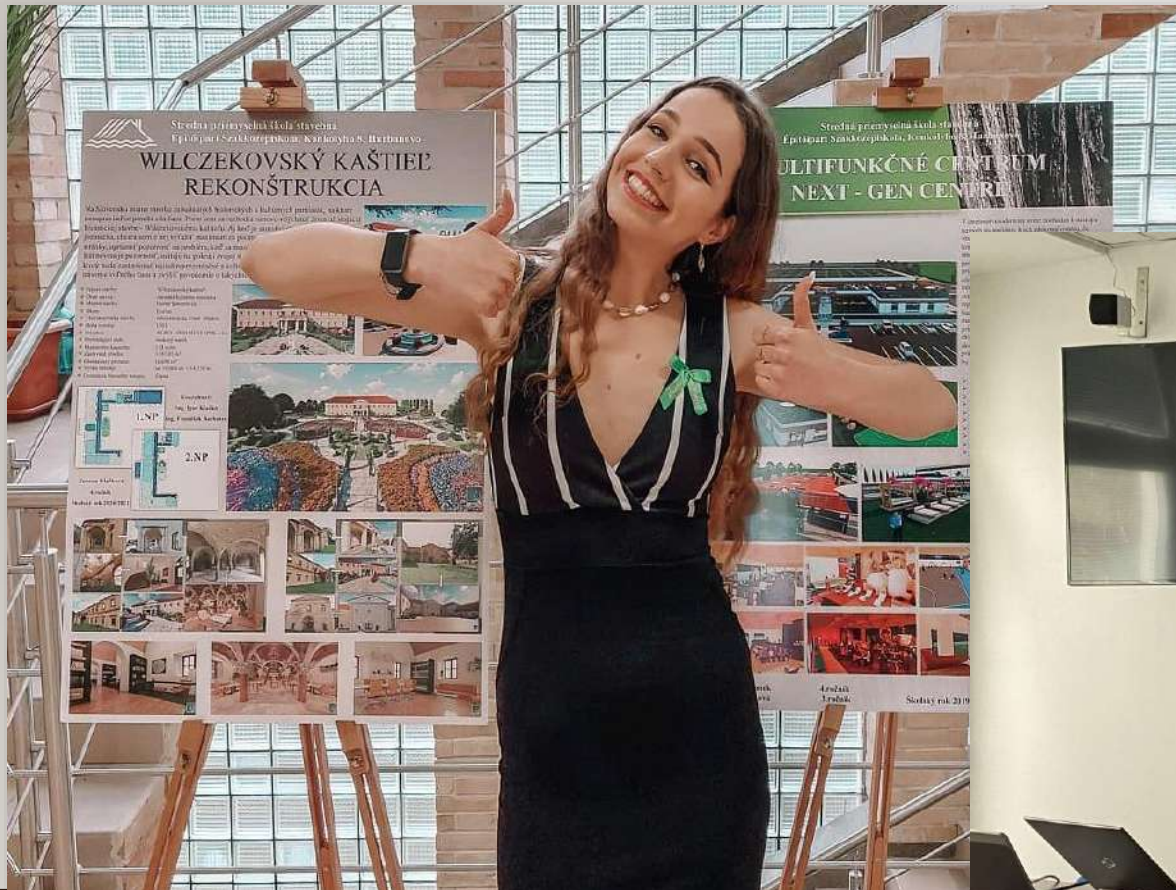


MANDATORY SKI TRIP– JASNÁ CHOPOK

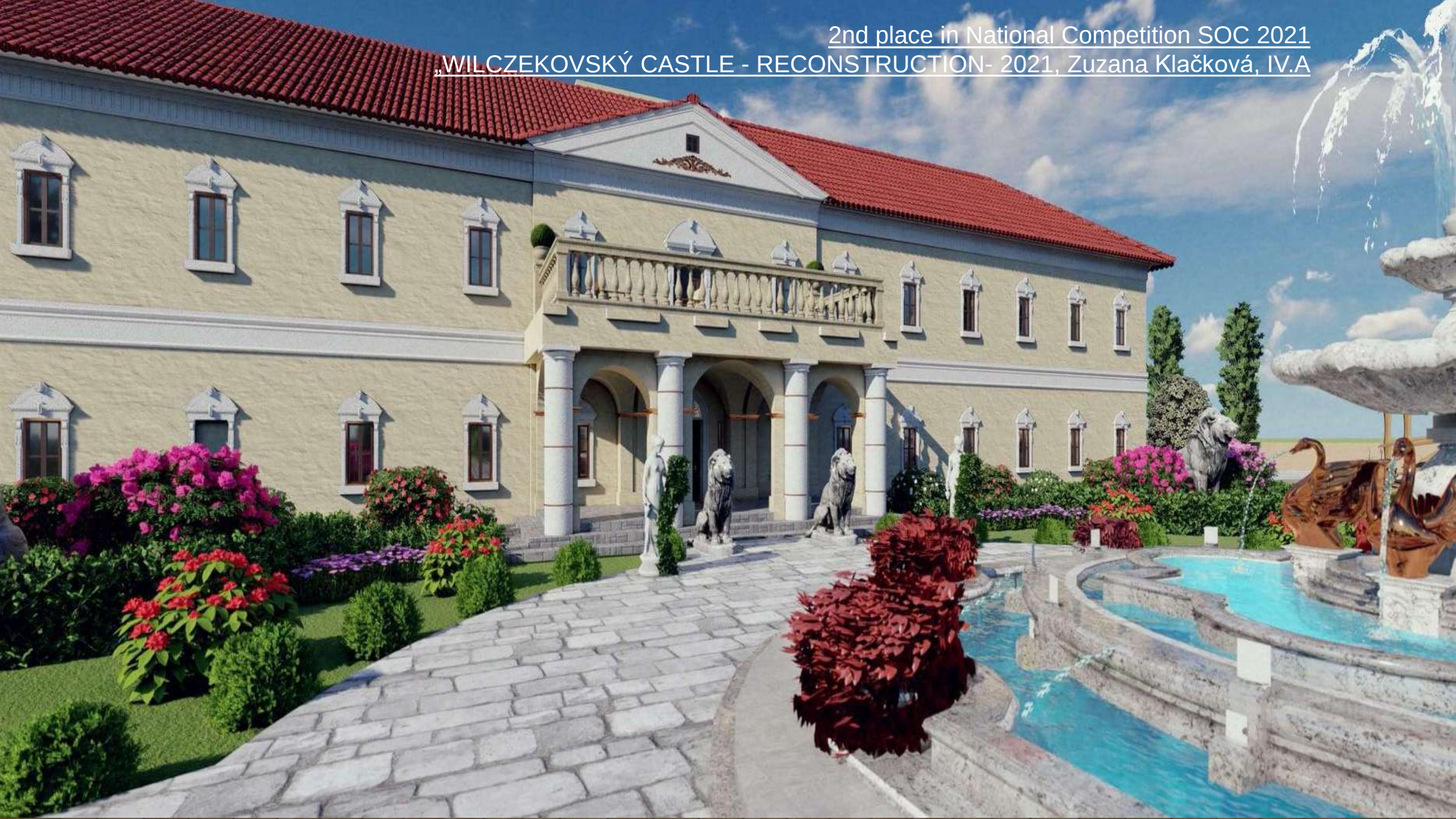


ACHIEVEMENTS OF OUR STUDENTS

- Our pupils achieve outstanding results in national competitions SOČ, YTONG a VELUX ,
- Based on assesment of INEKO agency our school belongs to top secondary education providers in Nitra Region.



2nd place in National Competition SOC 2021
„WILCZEKOVSKÝ CASTLE - RECONSTRUCTION- 2021, Zuzana Klačková, IV.A







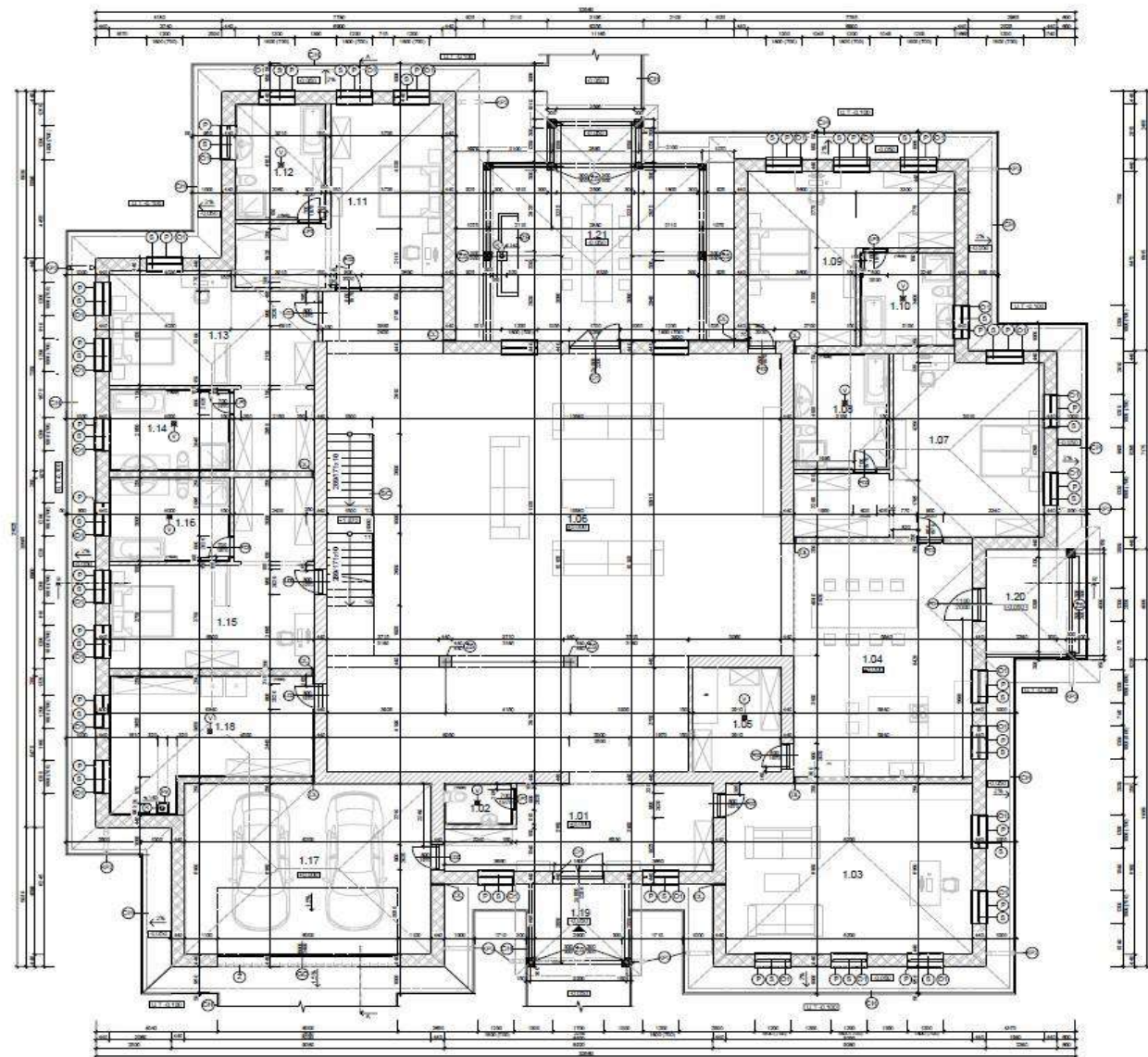












LEGENDA MIESTNOST'

[illegible]

LEGENDA MATERIALOV

	MURNO Z TVARNO POROZOVEN 44 T P 08 (diagonalna mreža porozovit v TIAU 12 mm)
	MURNO Z TVARNO POROZOVEN 25 P 08 (diagonalna mreža porozovit v TIAU 12 mm)
	MURNO Z TVARNO Termalno TO 08 P 08 (diagonalna mreža porozovit v TIAU 12 mm)
	MURNO Z TVARNO POROZOVEN 14 P 08 08 (diagonalna mreža porozovit v TIAU 12 mm)
	ZELJAZNICA - CRNO BELO

POZNÁMKY

- [illegible]

[illegible]

NATIONAL COMPETITIONS „VELUX“, „YTONG“



National Competition - annually announced by VELUX
Participating students design buildings with integration of VELUX roof window

„Cottage, Mökki“ - 2022, Barbara Táborová, IV.A

„RD“ - 2022, Matúš Záhumenský, IV.A

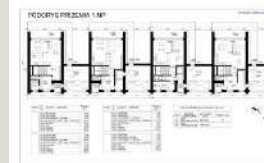
„RD. Joky“ - 2023, Jakub Jokel, III.A

„3 Hrozienka“ - 2024, Martin Cséry, III.A



International Competition, annually announced by YTONG,
Participating students design buildings with YTONG construction elements

„Terraced house - Cynefin “ – 2023, Jakub Jokel, III.A





Cottage– Mökki“ - 2022, Barbara Táborová, IV.A









„RD“ - 2022, Matúš Záhumenský, IV.A







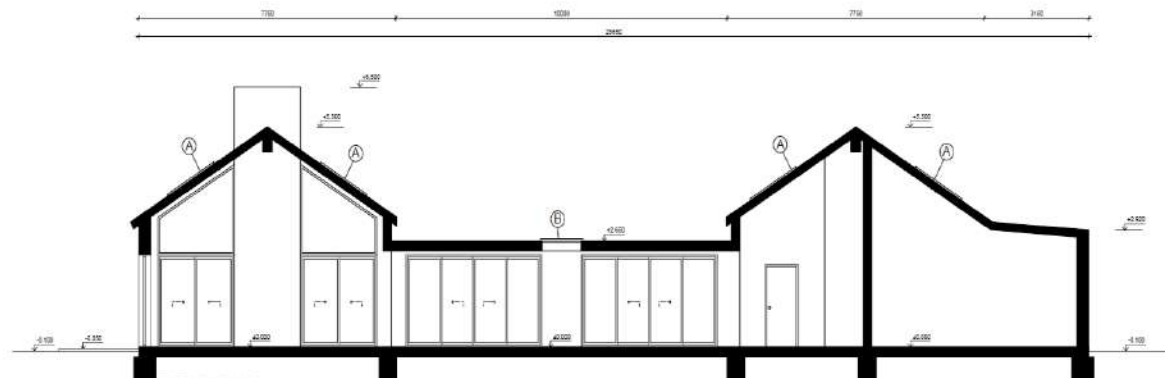
„RD. Joky“ – 2023, Jakub Jokel, III.A



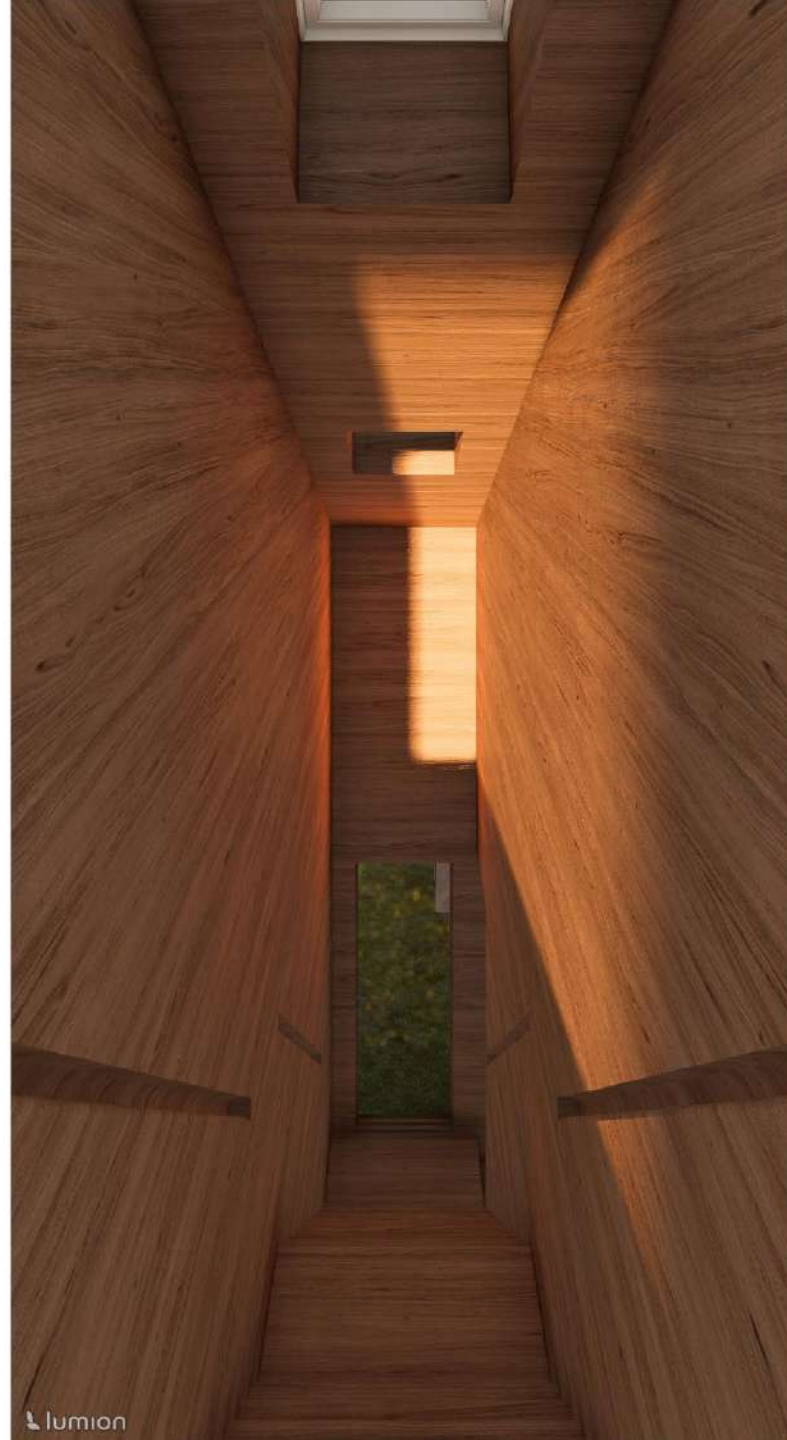
PÔDORYS 1.NP



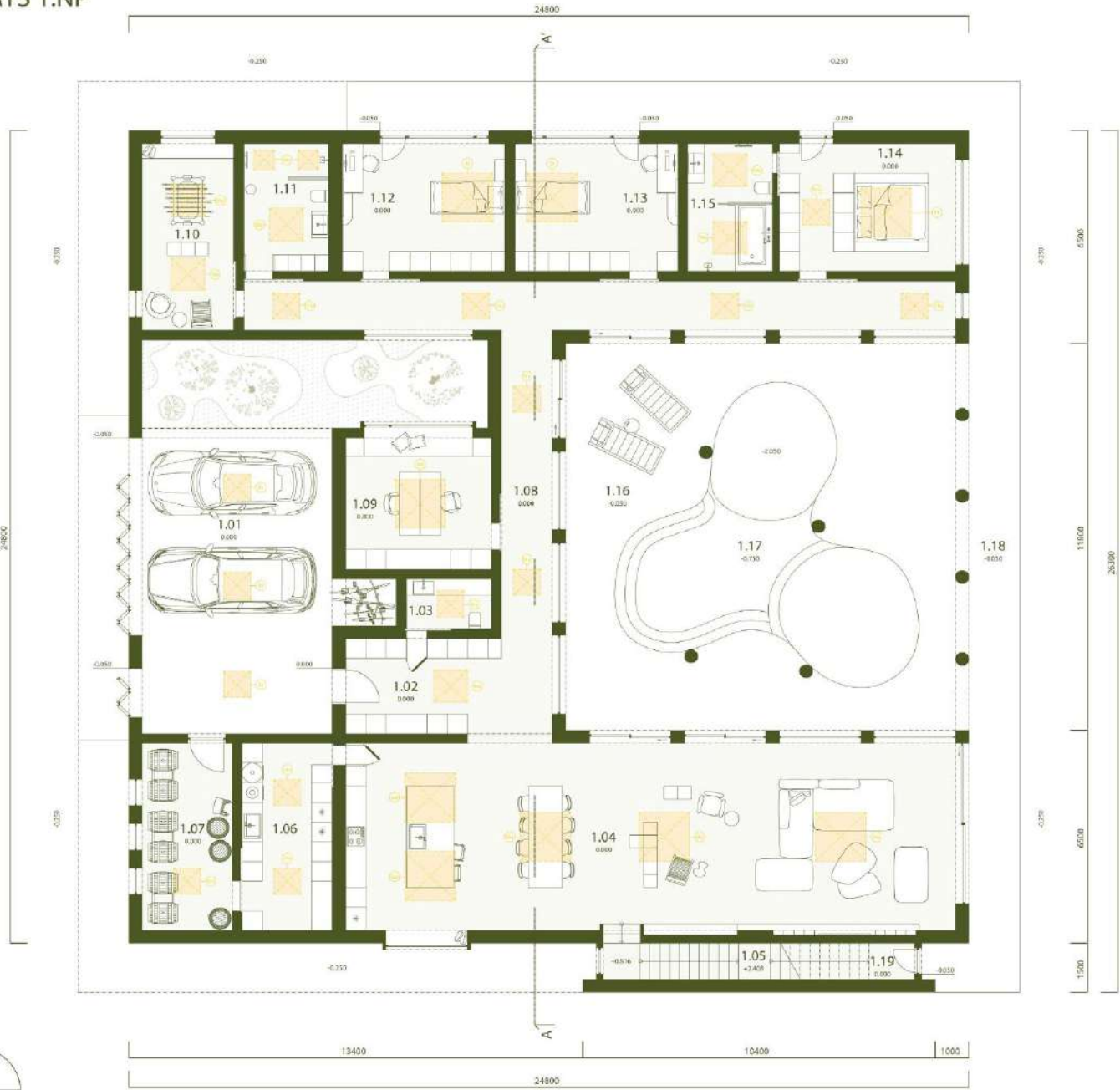
REZ A-A'



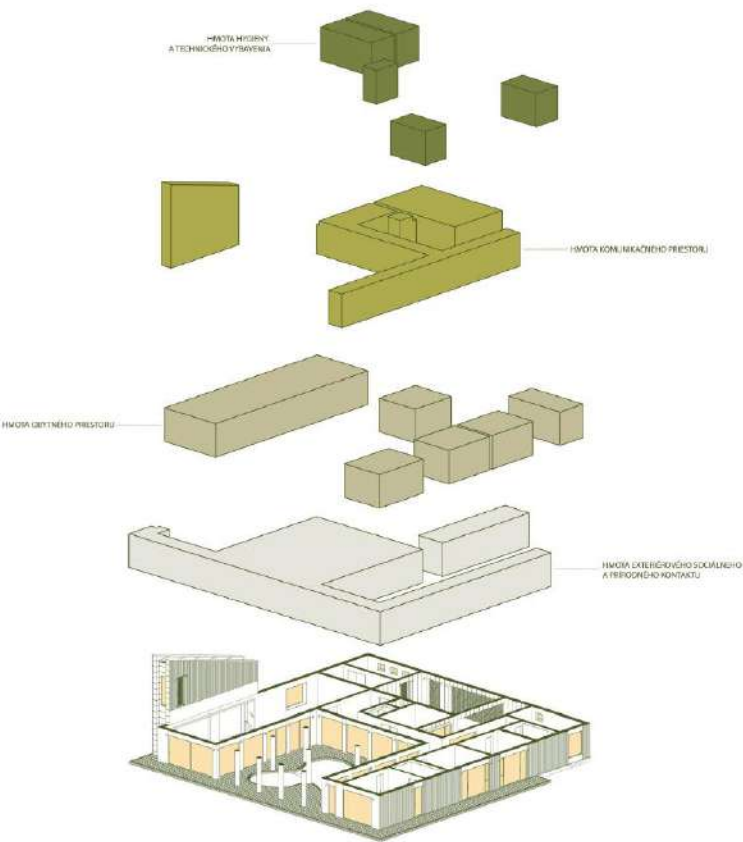
„3 Hrozienka“ – 2024, Martin Cséry, III.A



PÔDORYS 1.NP



SCHEMA HMÔT OBJEKTU



LEGENDA MIESTNOSTÍ 1.NP

Č. M.	NÁZOV MIESTNOSTI	PLOCHA (m ²)
1.01	VSTUP S PRÍSLUŠNÝM + ATRIUM	85,26
1.02	PRIEDIEK	10,44
1.03	WC	3,75
1.04	KUCHYŇA + OBYTNÁ	103,45
1.05	SCHODISKO	10,76
1.06	SPALŇA	15,11
1.07	VÝNNÝ SKLAD	15,11
1.08	CHODBA	53,60
1.09	PRACOVŇA	18,32
1.10	HEBNÁ DŇA	15,39
1.11	KUPELŇA C.1	9,73
1.12	DIETSKÁ DŇA C.1	18,22
1.13	DIETSKÁ DŇA C.2	18,22
1.14	SPALŇA	20,28
1.15	KUPELŇA C.2	9,73
1.16	TERRASA	93,22
1.17	BAZÉN	46,26
1.18	DOCHÔZ	21,26
1.19	ZÁHRADNÝ SKLAD	8,01

OBYTNÁ PLOCHA	194,86
PLOCHA PRÍSLUŠENSTVA	413,08
UŽITKOVÁ PLOCHA	608,72

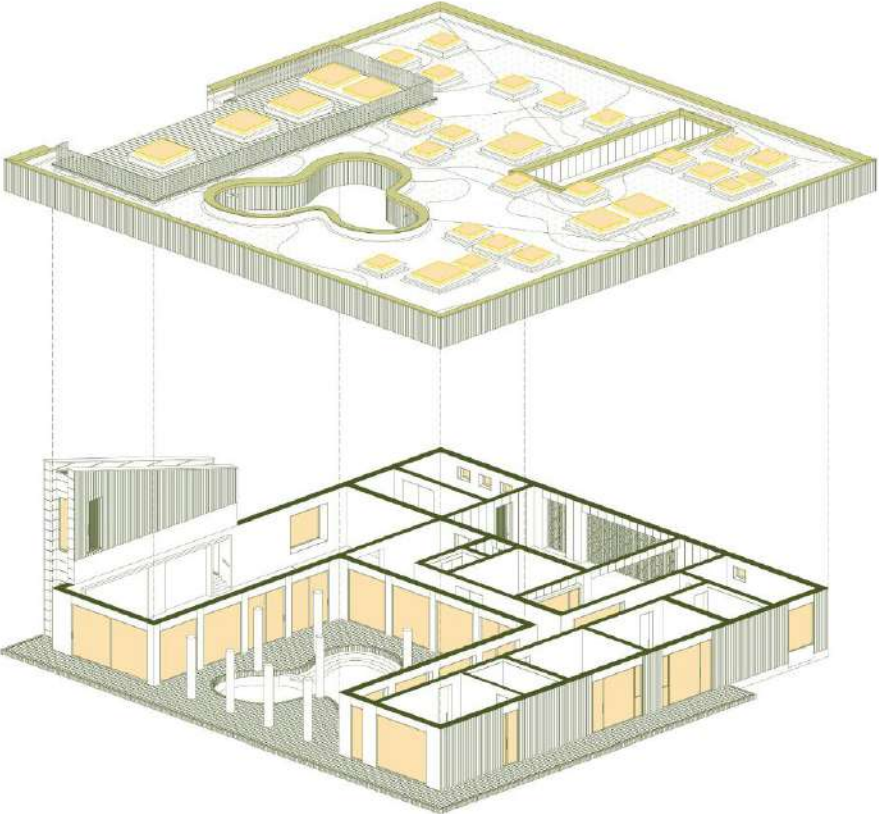
VÝPIS VELUX PRVKOV

Č. M.	MODEL	ZAPALENIE	OTVÁRACIEN/NEOTVÁRACIEN	ROZMER (mm)	POČET
1.01	CVP 080080	ISO 2005	NEOTVÁRACIEN	800x800	8
1.02	CVP 080080	ISO 2005	ELEKTRICKÝ OTVÁRACIEN	800x800	11
1.03	CVP 130159	ISO 2005	NEOTVÁRACIEN	1300x1500	3
1.04	CVP 130159	ISO 2005	ELEKTRICKÝ OTVÁRACIEN	1300x1500	6
1.05	CVP 100100	ISO 2005	ELEKTRICKÝ OTVÁRACIEN	1000x1000	6
1.06	CVP 060060	ISO 2005	ELEKTRICKÝ OTVÁRACIEN	600x600	2

POZNÁMKA

- SYSTÉM STU - S&S DOPLNENÉ DVOJITO PLOSOVANOU ROLETOU - FMK

PÔDORYS 2.NP - STRECHA



LEGENDA MIESTNOSTÍ 2.NP

C.M.	NÁZOV MIESTNOSTI	PLOCHA (m2)
2.01	STREŠNÁ TERASA	88.26
PLOCHA PRÍSLUŠENSTVA		88.26
UŽITKOVÁ PLOCHA		88.26

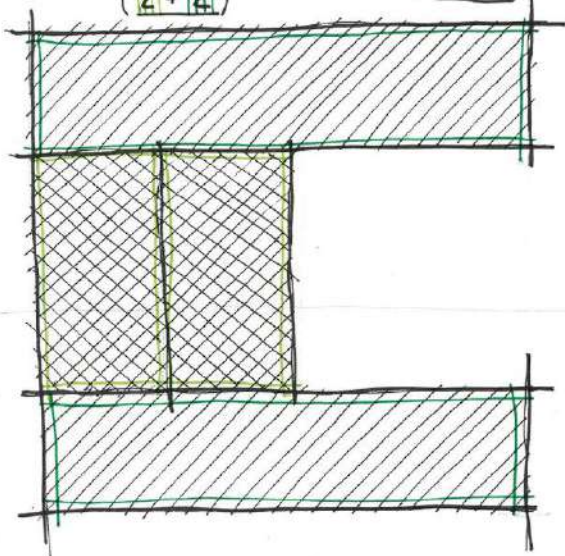
VÝPIS VELUX PRVKOV

POUŽITÉ VARIETY VELUX				
OZ.	MODEL	ZASKLENIE	OTVÁRAČNÝ/NEOTVÁRAČNÝ	ROZMER (mm)
5x1	GRUPO2	GG	ELEKTROCKY OTVÁRAČNÝ	600x1175

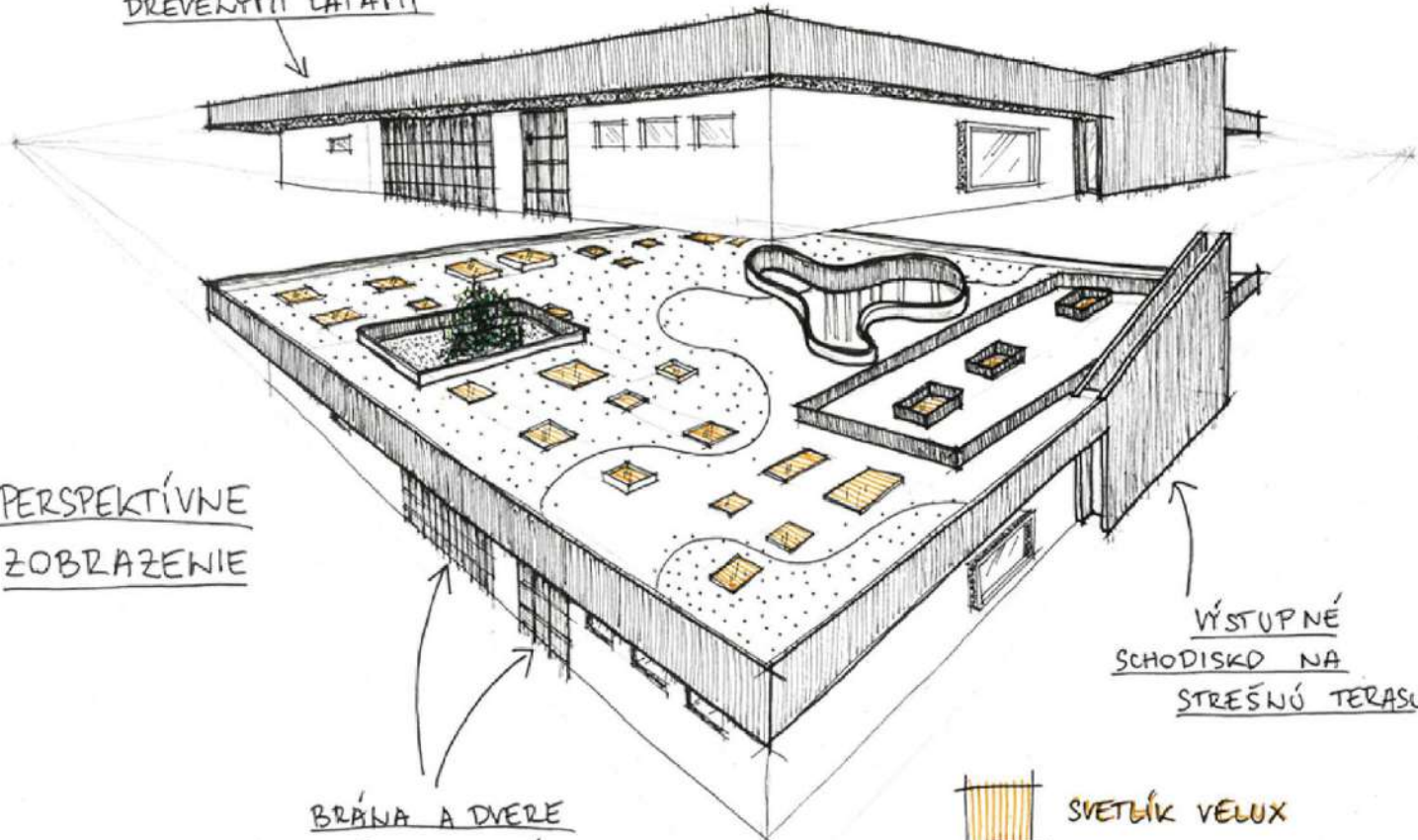
SCHEMA Z JEDNODUCHÝCH OBJEKTŮV

(2+1)

/ HŤOT



OBLOŽENIE
STREŠNEJ HRANY
DREVENÝMI LATAMI



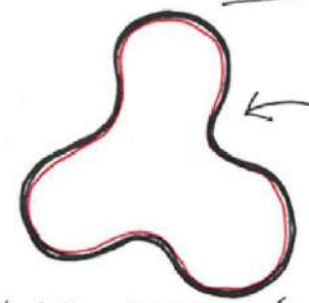
PERSPEKTÍVNE
ZOBRAZENIE

VÝSTUPNÉ
SCHODISKO NA
STREŠNÚ TERASU

BRÁNA A DVERE
NA SPÔSOB OTVÁRANIA
HARMONIKY (OKENNICE)

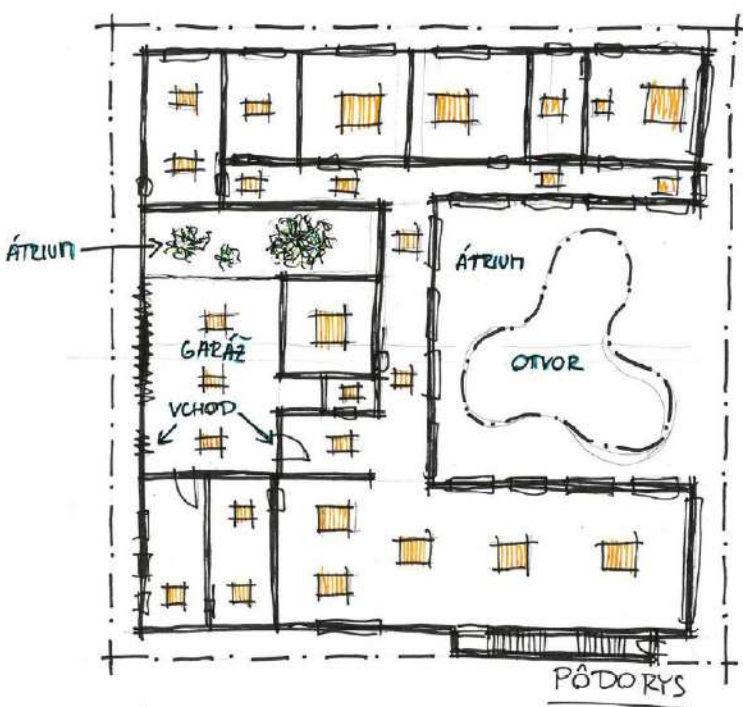
 SVETLÍK VELUX

 ZELENÁ STRECHA



TVAR OTVORU
VTVÁRAJÚCEHO ÁTRIUM

SYMBOL 3 HROZIENKA - OBJEKT JE SITUOVANÝ
V JEDNEJ Z VINÁRSKYCH OBLASTÍ SR



USING DRONES IN CONSTRUCTION AND EDUCATION

- GEODETIC MEASUREMENTS LESSONS
- USING DRONES:

1. OUTDOOR

- a. MEASURING HEIGHTS,
- b. SURVEYING LANDSCAPE, TERRAINS,
- c. AERIAL SURVEYING OF THE TERRAIN,
- d. CREATING DOCUMENTS PORTFOLIOS,
- e. 3D BUILDINGS MODELLING, CONSTRUCTIONS, TERRAIN – USING ADEQUATE CAMERA AND SENSORS (ANALYSING THE LOCATION, PLANNING AND FEASIBILITY STUDIES),
- f. MONITORING AND OBSERVING THE CLASSES, OBSERVING THE STUDENTS' MEASUREMENTS A CREATING STUDY MATERIAL FOR NEXT GENERATION STUDENTS,
- g. MONITORING CONSTRUCTION ELEMENTS, THOSE THAR ARE NOT ACCESSIBLE ON SCHOOL PREMISES

2. INTERIOR

- a. 3D MODELLING USING ADEQUATE CAMERAS AND SENSORS.



SECONDARY TECHNICAL SCHOOL OF CIVIL ENGINEERING

THANK YOU FOR YOUR ATTENTION

Mgr. Katarína Kučerová

Ing. Ondrej Hanzlík

