

The background of the image is a complex, abstract pattern composed of numerous small, rectangular blocks arranged in a grid-like fashion. The blocks vary in size and orientation, creating a sense of depth and motion. The overall color palette is monochromatic, with shades of black, white, and gray. In the center-right area of the image, there is a large, solid white rectangular space where the text is placed.

PORTFOLIO

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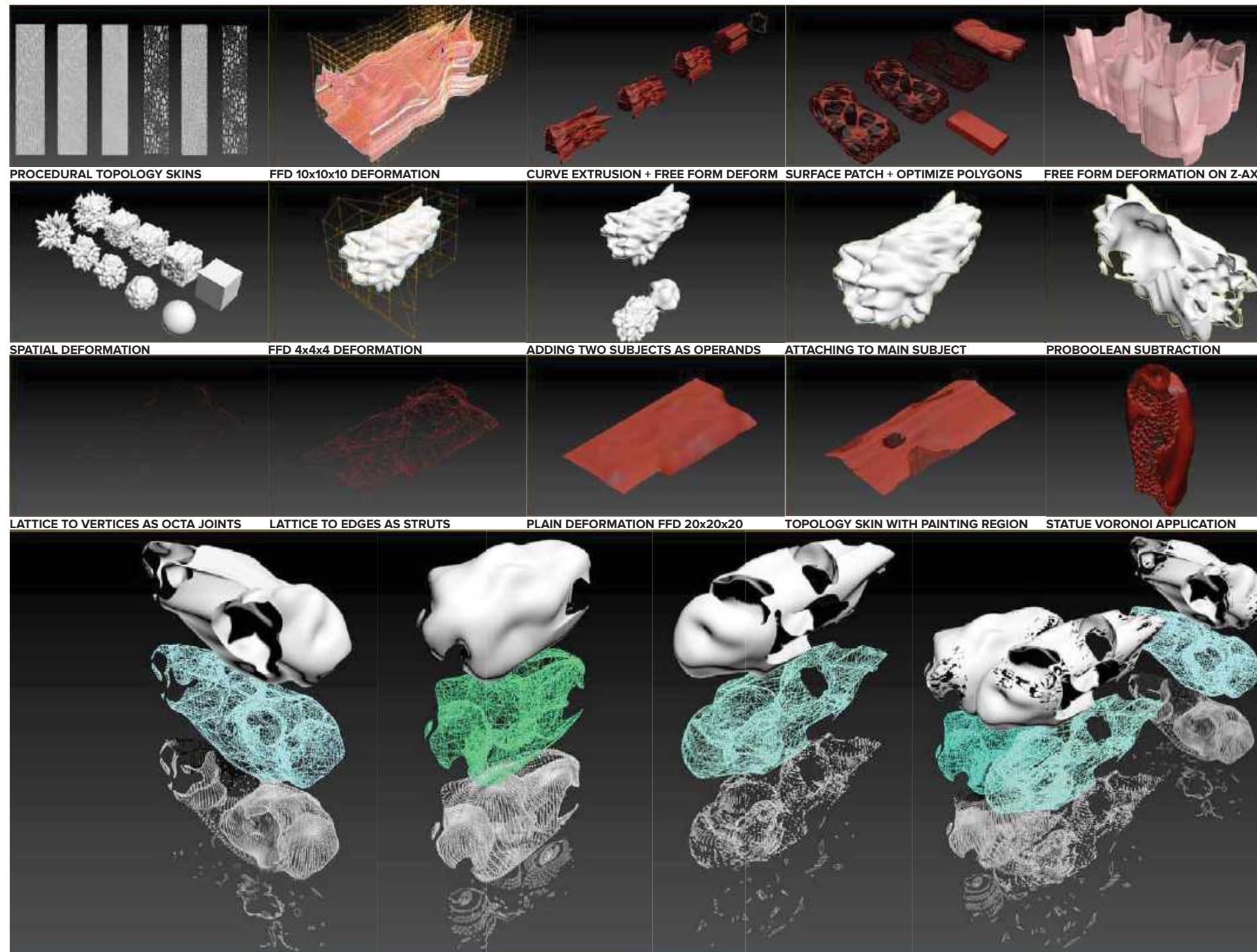
EMIN AVDOVIC



Emin Avdovic  
April 8th 1990  
Visoko, Bosnia & Herzegovina  
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+387 64 44 77 657

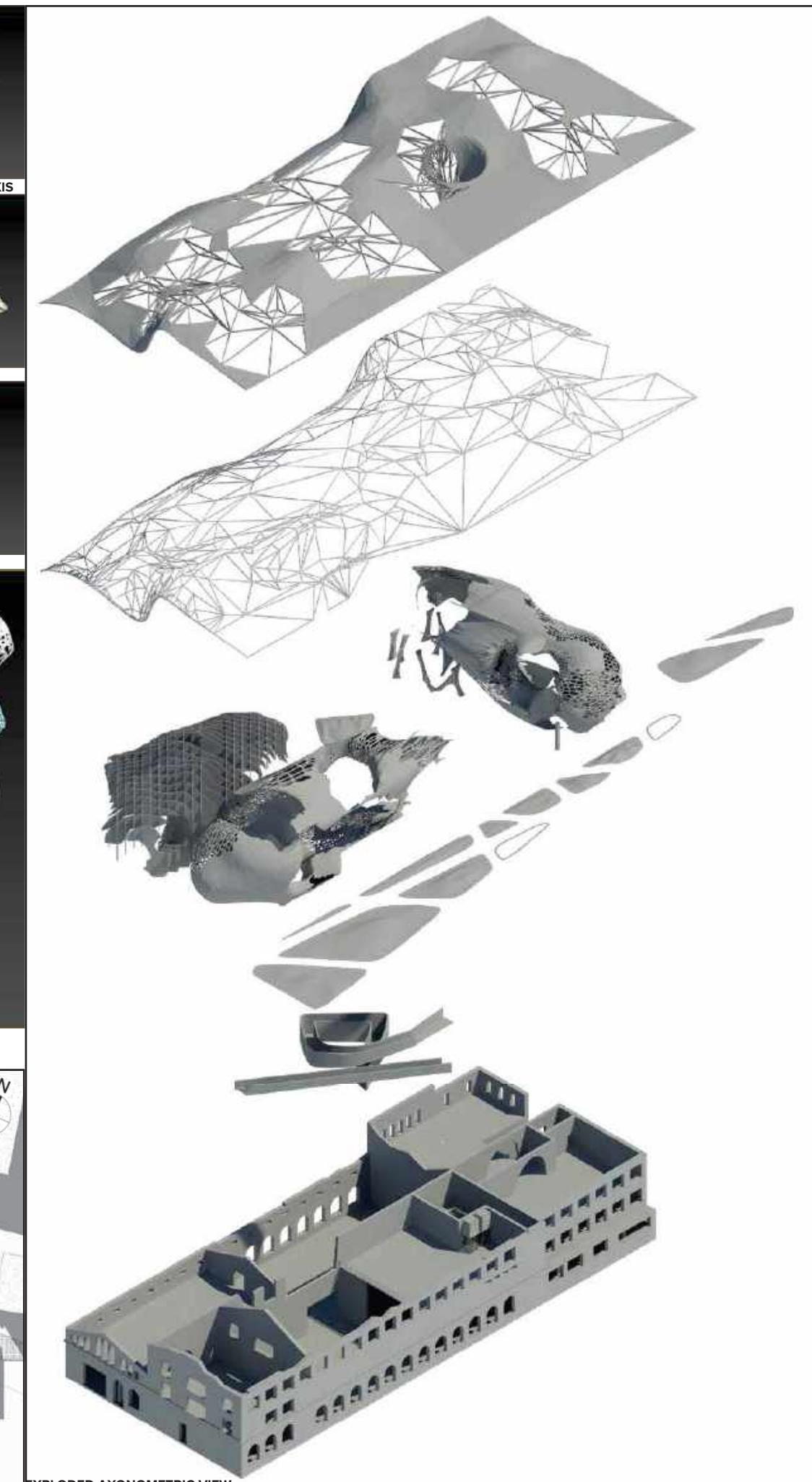
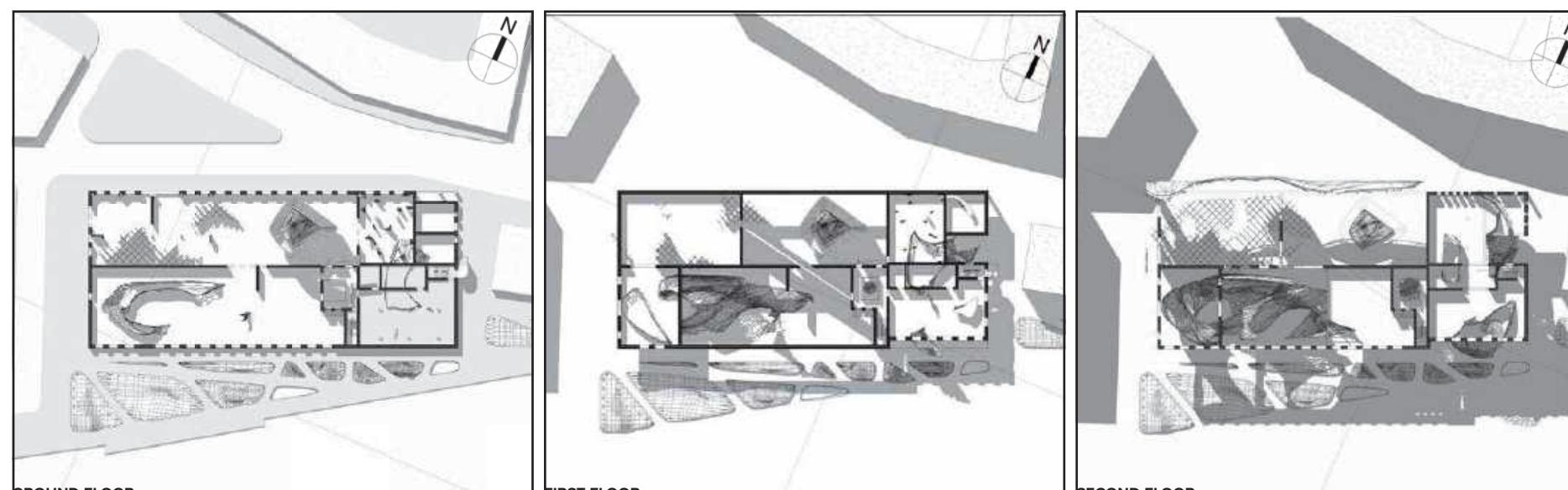
INTERESTS	SKILLS	LANGUAGES
Traveling Photography Drawing 10m air pistol competition Guitar playing / Music producing PC Gaming	Drawing / Sketching Hand Models Autocad Rhino + Grasshopper Revit UE4 - TwinMotion Photoshop Illustrator InDesign Python 3.0+ Office Suite	Bosnian - Native English - Fluent German - Basic

## PARAMETRIC / GENERATIVE ARCHITECTURE



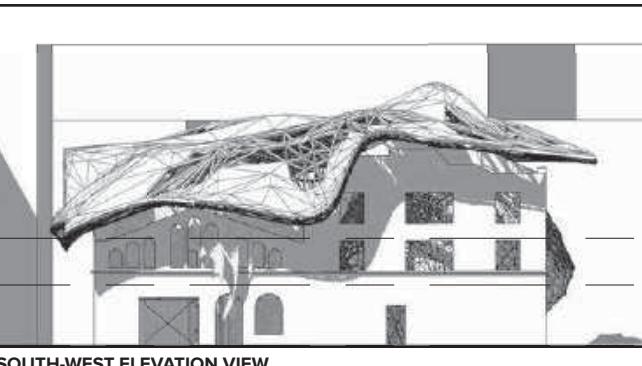
PROBOOLEAN SUBTRACTION SHOWING STRUCTURAL FORMATION AS WIRE-FRAME THEN CONVERTING VERTICES AS OCTA JOINTS WITH LATTICE MODIFIER AND FINAL STEP USING STRUTS ONLY FROM EDGES.

FINAL FORMATION

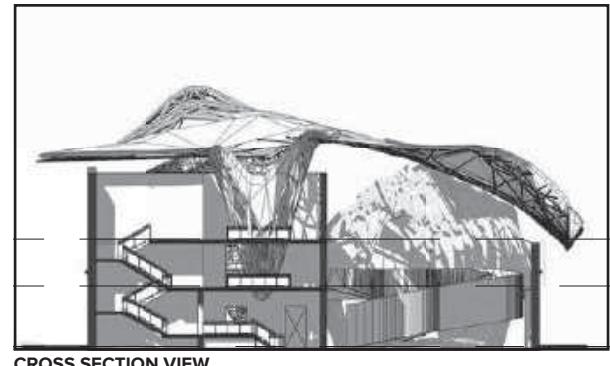




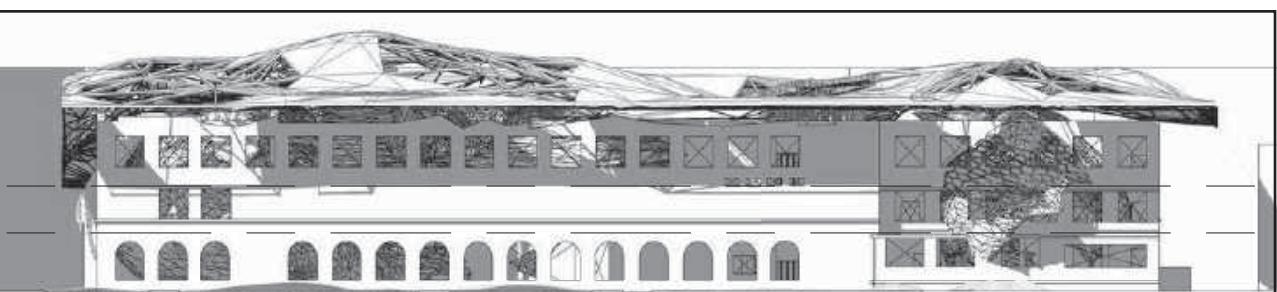
STREET FACADE VIEW



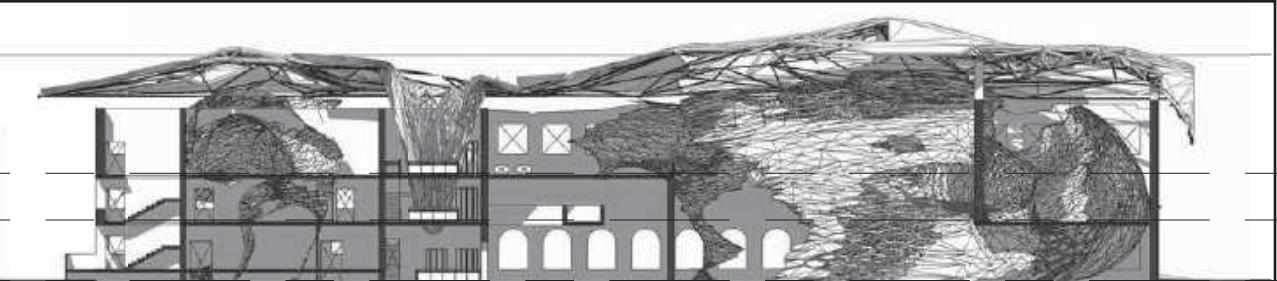
SOUTH-WEST ELEVATION VIEW



CROSS SECTION VIEW



SOUTH-EAST ELEVATION VIEW

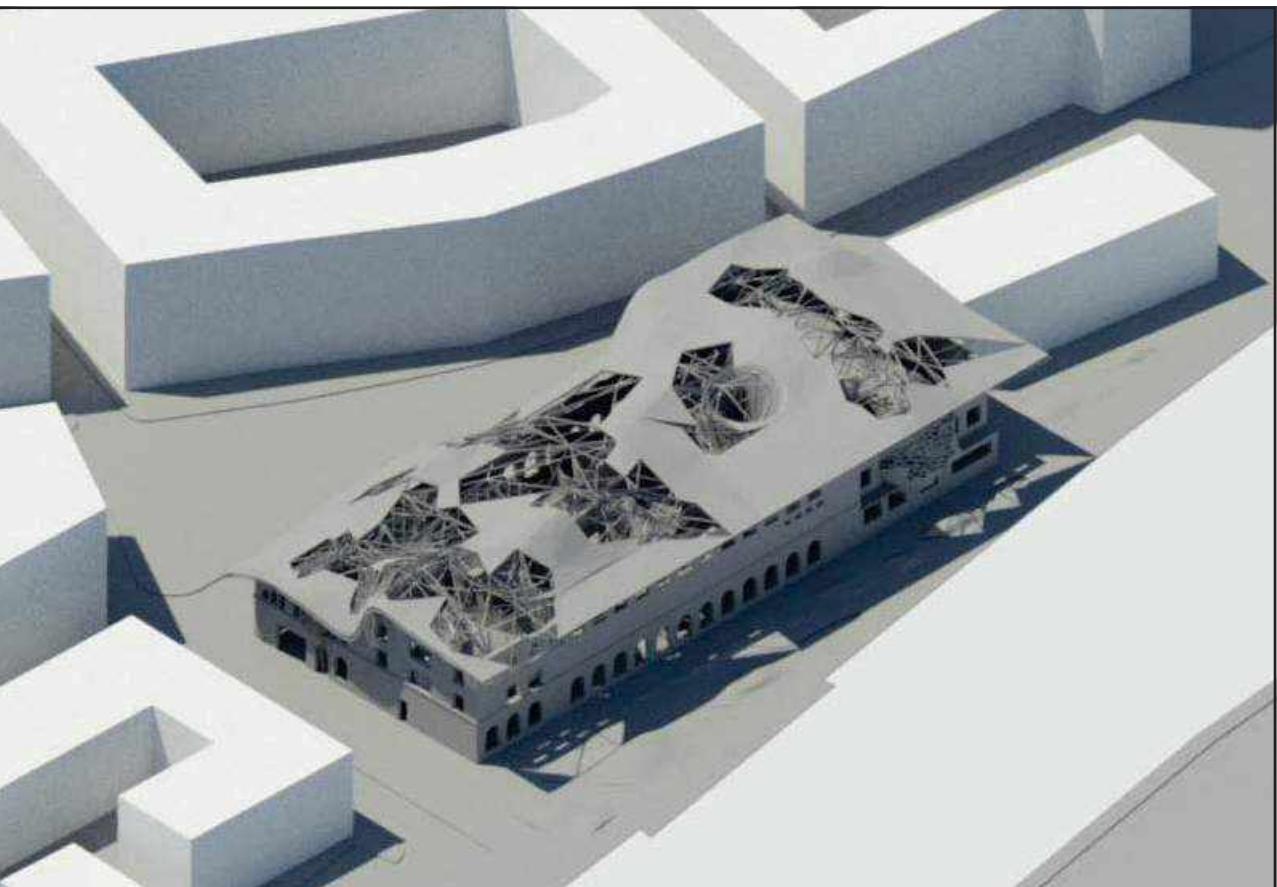


LONGITUDINAL SECTION VIEW



3D SECTION VIEW

THE RECONSTRUCTION OF THE CITY RUIN - ELECTRIC POWER STATION - BUILT IN 1895 BY THE GERMAN COMPANY "SIEMENS UND HALSKE" IN SARAJEVO WHICH WAS IMPORTANT AS A HISTORICAL MILESTONE FOR THE CITY TOGETHER WITH ITS ARCHITECTURAL VALUE.



AERIAL PERSPECTIVE VIEW

## AUXILIARY ARCHITECTURE

SEARCHING FOR INNOVATION OF SUSTAINABLE NO-ENERGY CONSUMPTION  
DESIGN SOLUTIONS OF SHADING ELEMENTS FOR BUILDINGS.

**FORM 1 -**  
“OPTIMIZE” MODIFIER DEFAULT;  
“SHELL” MODIFIER DEFAULT;  
“FFD 4x4x4”  
- Display: Lattice;  
- Deform: Only in volume.

**FORM 2 -**  
“EDIT POLY”  
“OPTIMIZE” DEFAULT  
“SHELL”  
- Inner A.: 20;  
- Outer A.: 20;  
“FFD 4x4x4” (Latice; Only in Volume)

**“LATTICE” - Joints & Struts with vertices and edges;**  
- Struts  
- Radius = 20  
- Segments = 2  
- Sides = 10  
- Joints Icosa

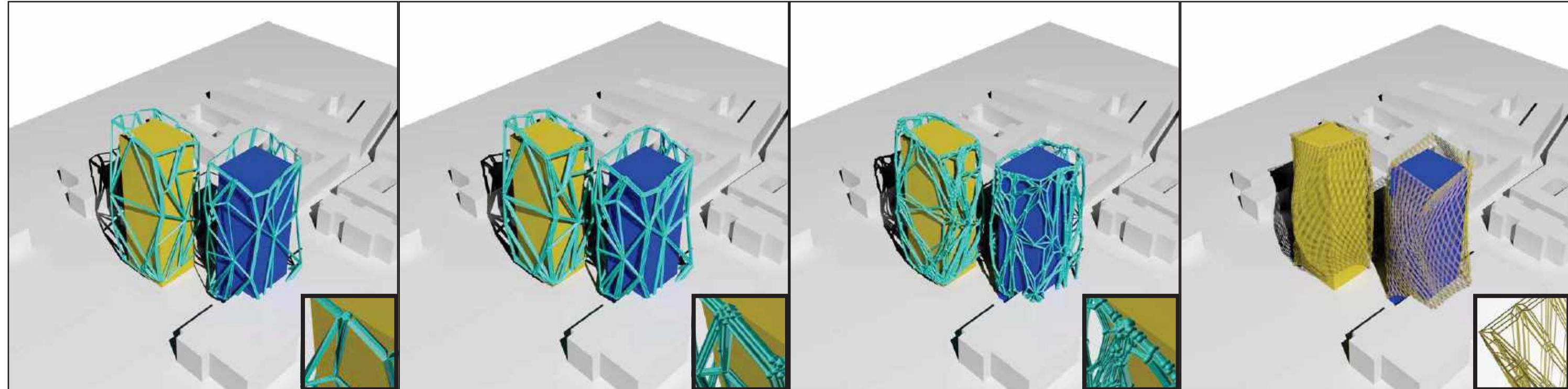
**FORM 3 -**  
“OPTIMIZE”  
- Face thresh = 10  
- Edge thresh = 1  
- Bias = 0.1  
“SHELL”  
- Inner A.: 20;  
- Outer A.: 20;

**“TURBOSMOOTH” MODIFIER**  
- Iterations = 1  
“LATTICE” - Joints & Struts  
- Struts  
- Radius = 20  
- Segments = 1  
- Sides = 4

- Joints Icosa  
- Radius = 40  
- Segments = 4

**FORM 4 -**  
“FFD 4x4x4” - DEFAULT  
“TESSELLATE” MODIFIER  
- Edge;  
- Iterations: 1;

**“SHELL” MODIFIER**  
- Inner Amount: 20;  
- Outer Amount: 20;  
“LATTICE” MODIFIER  
- Radius: 3; - Icosa R = 5  
- Segments: 2;  
- Sides: 4;



**FORM 5 -**  
“OPTIMIZE” MODIFIER x 2;  
“SHELL” MODIFIER DEFAULT;  
“FFD 4x4x4”  
- Display: Lattice;  
- Deform: Only in volume.

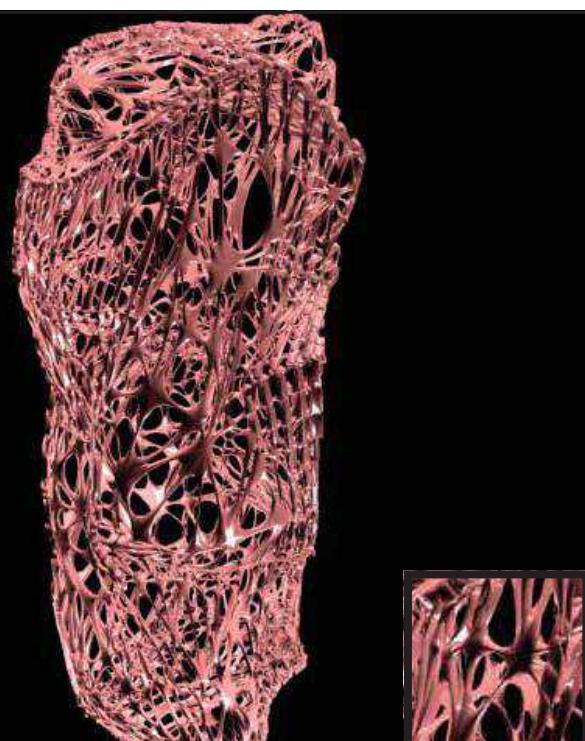
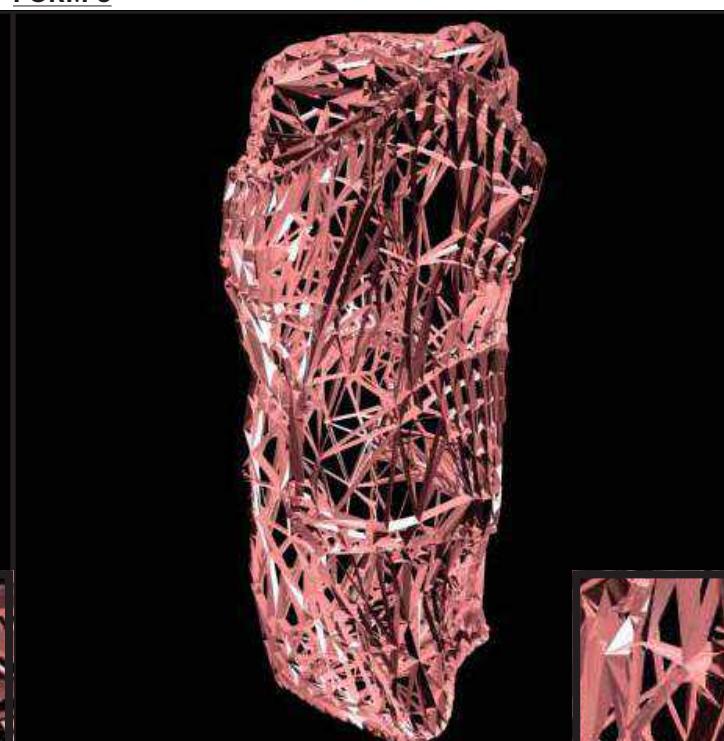
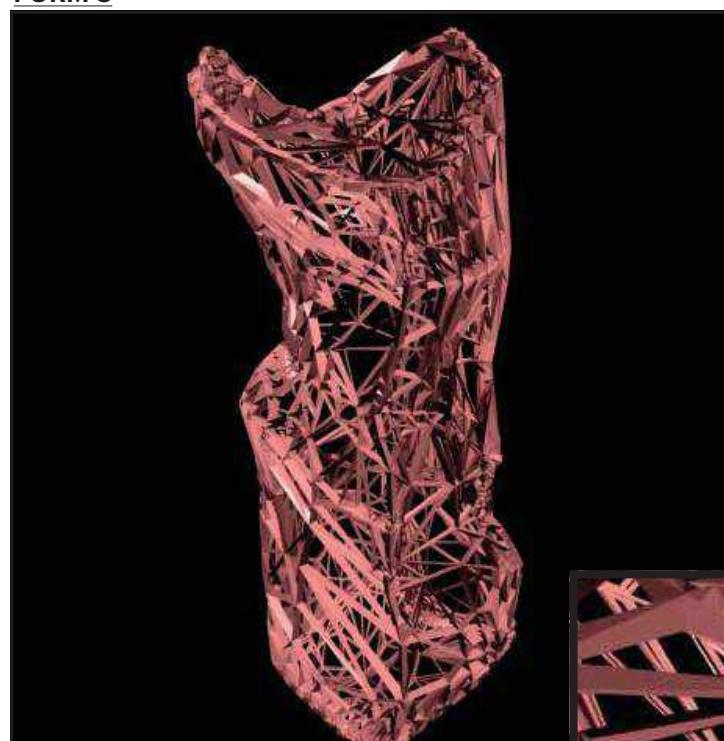
**FORM 6 -**  
“OPTIMIZE” MODIFIER x 4;  
“SHELL” MODIFIER DEFAULT;  
“FFD 4x4x4”  
- Display: Lattice;  
- Deform: Only in volume.

**FORM 7 -**  
“OPTIMIZE” MODIFIER x 4;  
“SHELL” MODIFIER DEFAULT;  
“FFD 4x4x4”  
- Display: Lattice;  
- Deform: Only in volume.  
“TURBOSMOOTH” MODIFIER  
- Iterations = 4

**FORM 5**

**FORM 6**

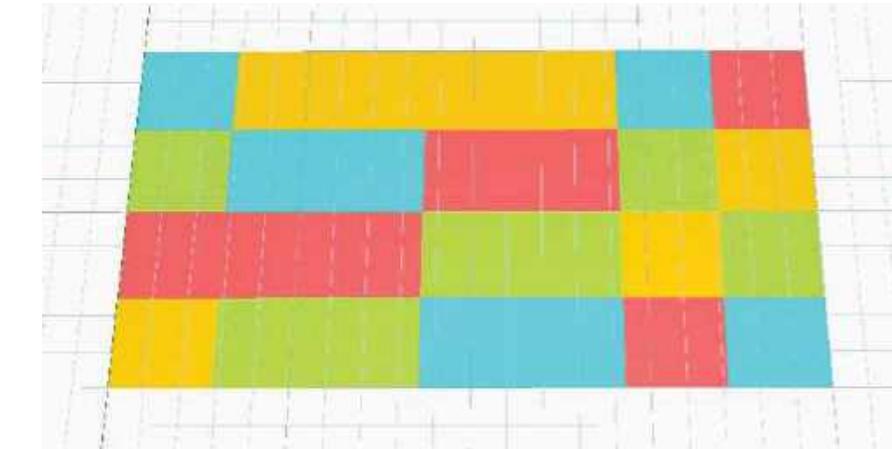
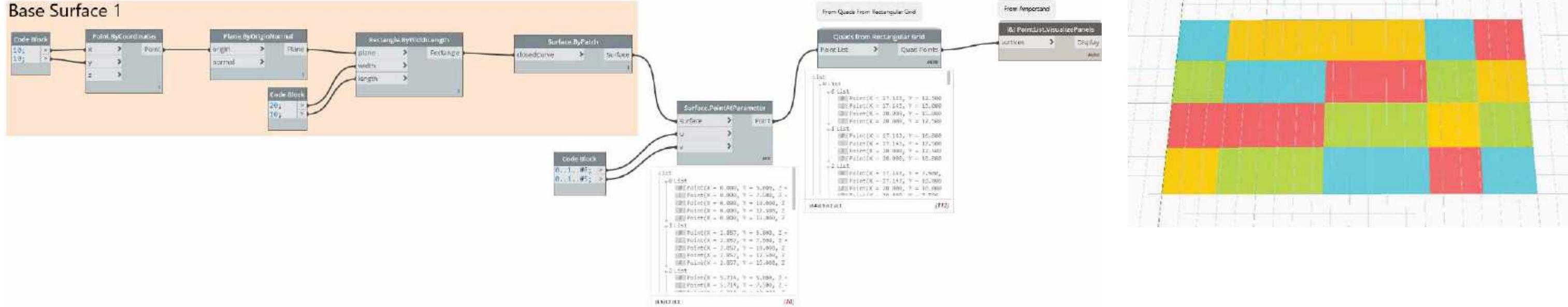
**FORM 7**



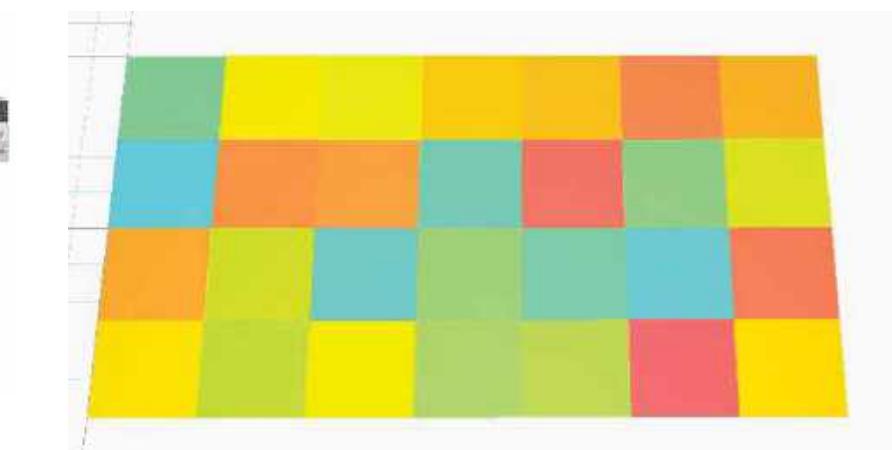
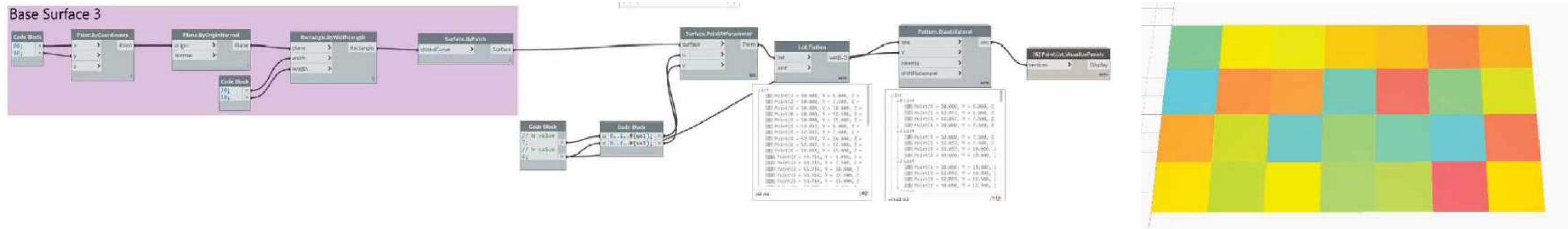
# DYNAMO - VISUAL PROGRAMMING

## PANELING QUADS BY RECTANGULAR GRID

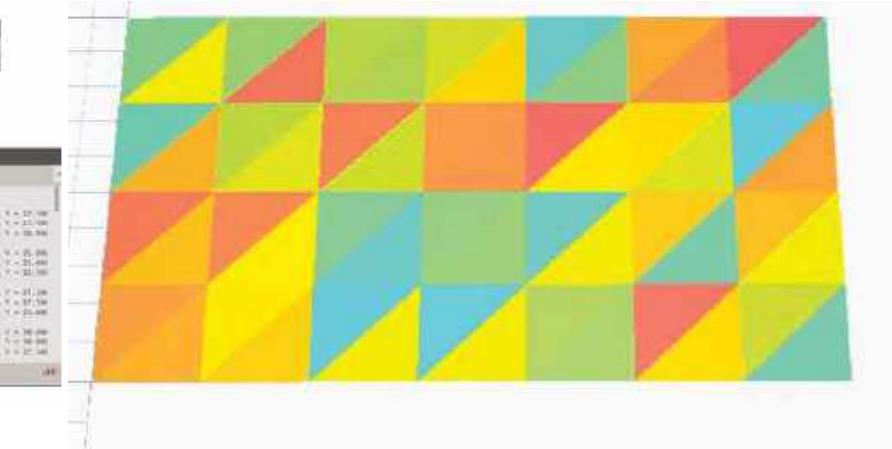
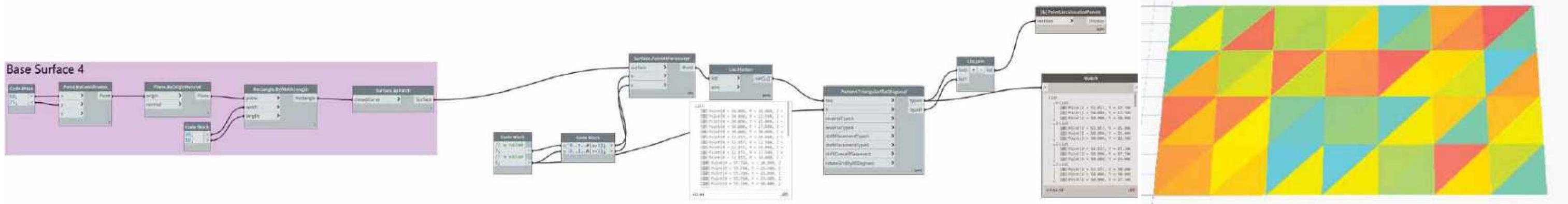
### Base Surface 1



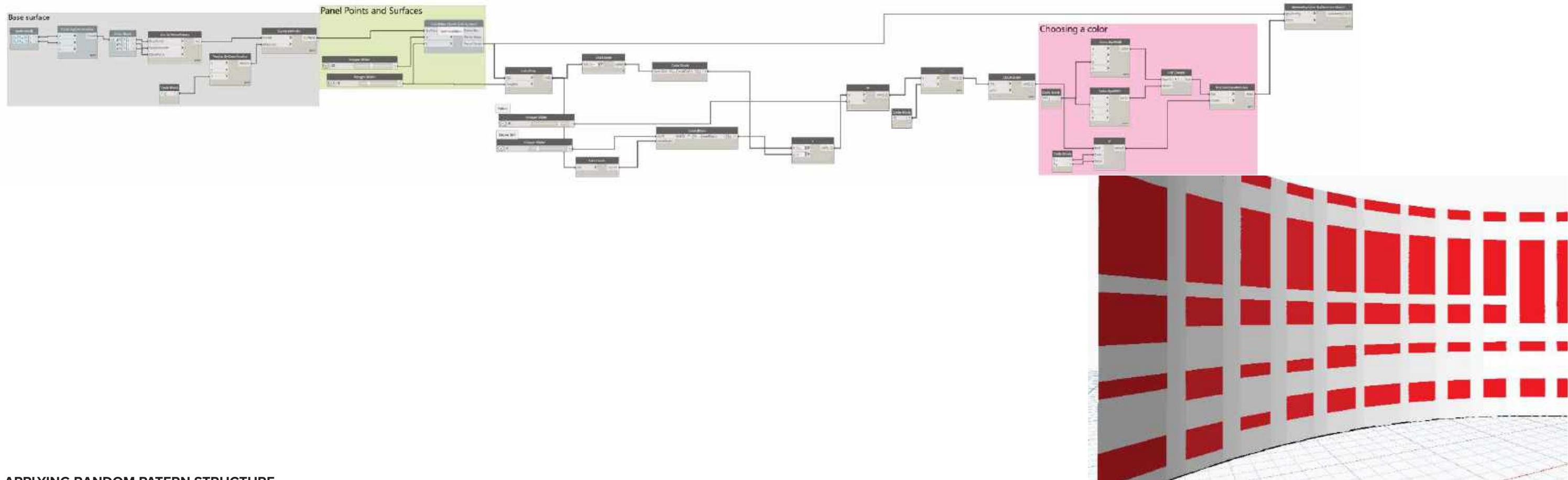
### PANELING PATTERN QUADRILATERAL



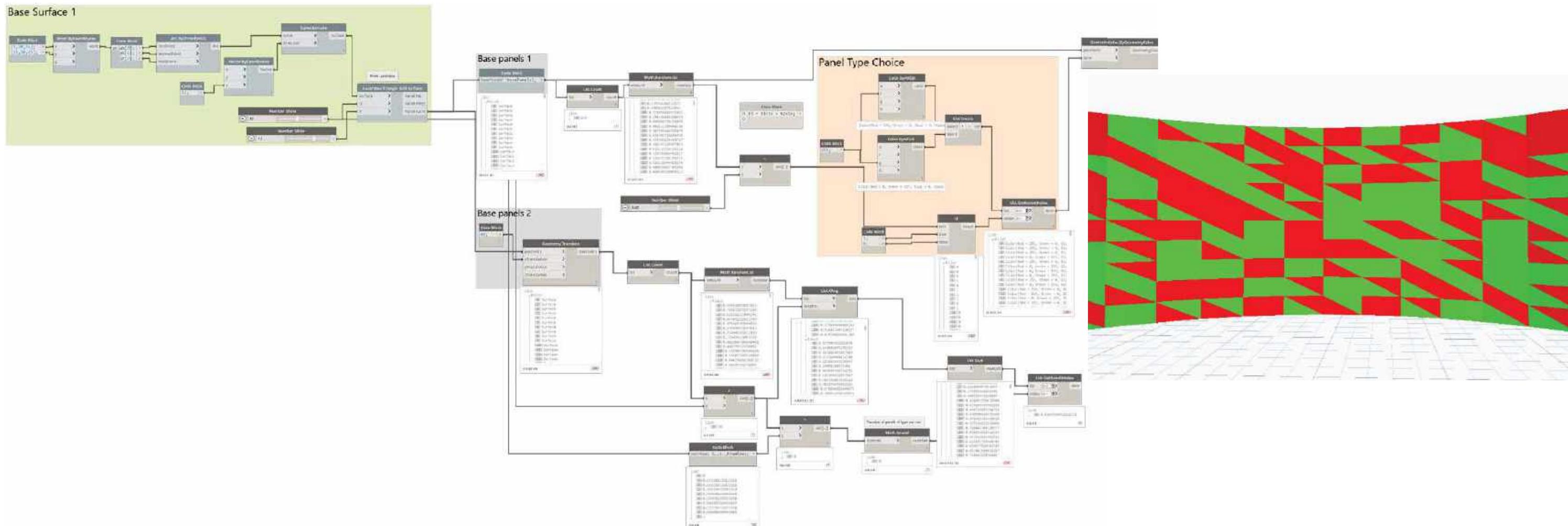
### PANELING TRIANGULAR FLAT DIAGONAL



## PATTERN APPLICATION



## APPLYING RANDOM PATTERN STRUCTURE



# WORK SAMPLES

Company: Al Mohandes d.o.o. Design & Engineering  
Adress: Blazujski drum 28, 71210 Ilidza  
Contact: +387(0)33 622 322  
Web: www.aldiyar-group.com

PROJECT TYPE: MAIN DESIGN  
INVESTOR: Al Suwaidi & Al Khaja d.o.o  
PROJECT & LOCATION: Residential Buildings Z1+Z2 Su+P+3  
Weekend Settlement Osjek  
Karamusici bb 71210 Ilidza  
ASSOCIATE DESIGNER: Emin Avdovic dipl.ing. arh

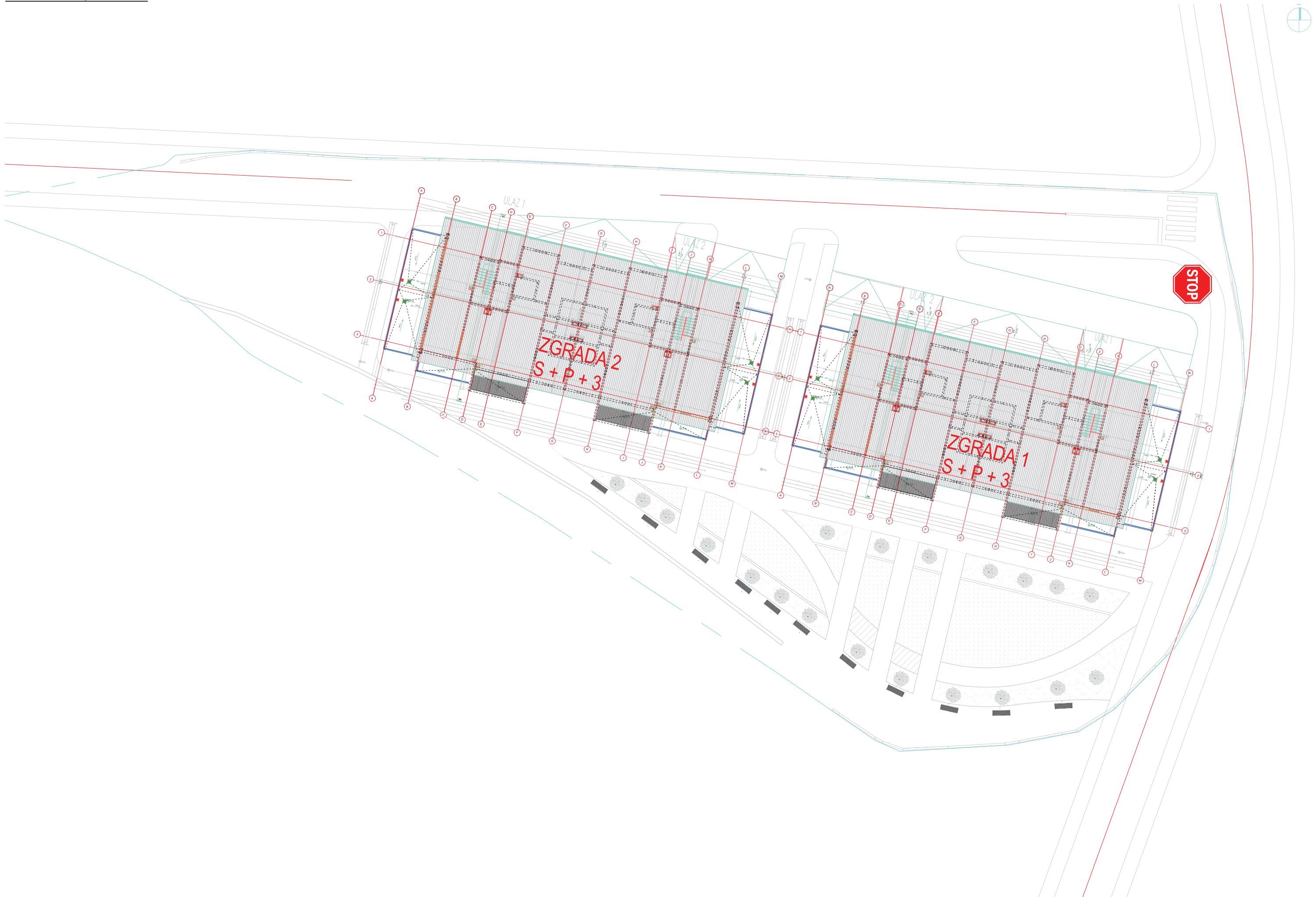
DATE: 15.07.2017  
CODE: rl-0717

TOTAL USEFUL SURFACE OF THE OBJECT NETO ...

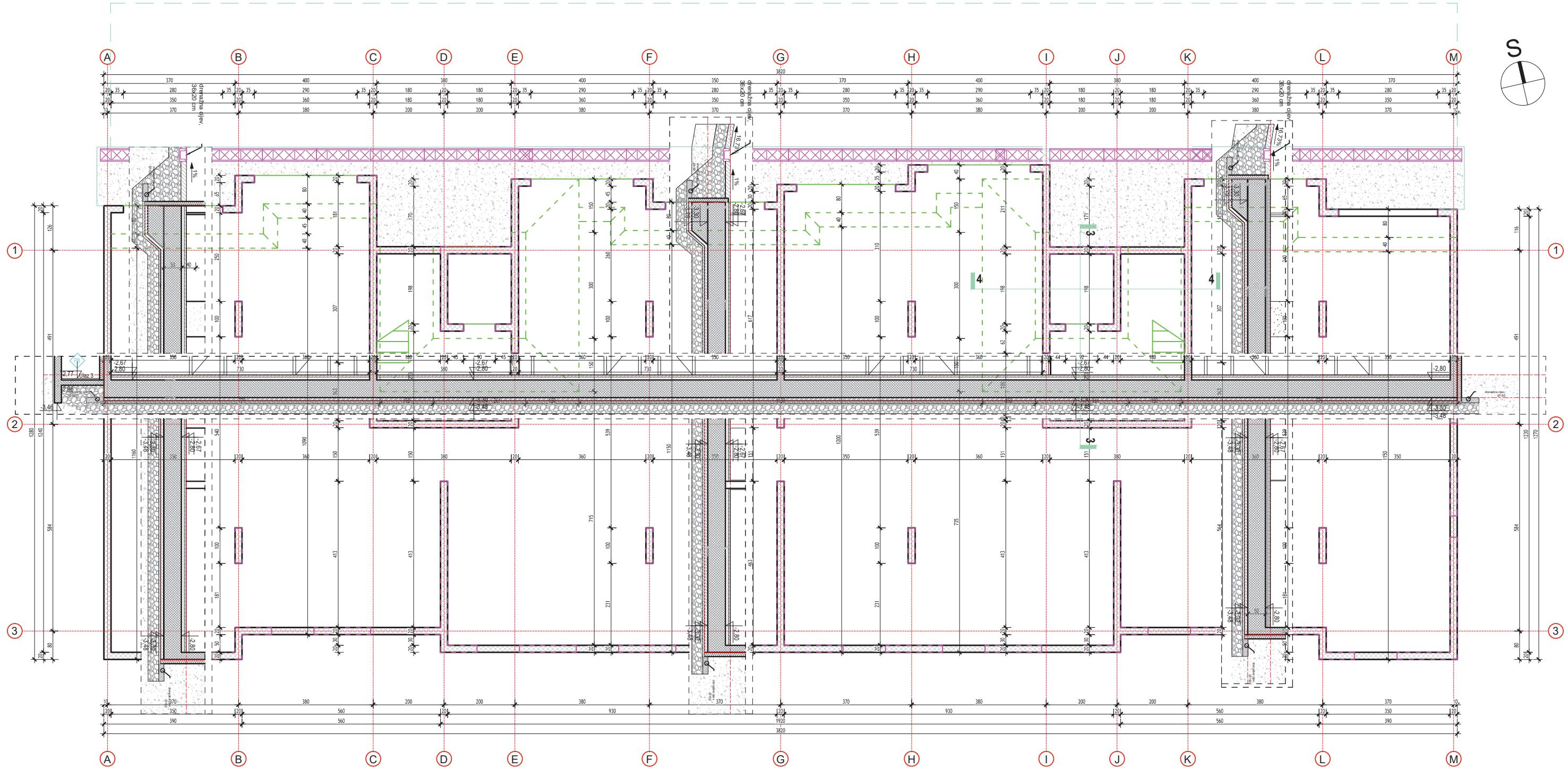
TOTAL NET: 4,213.9 m<sup>2</sup>  
TOTAL GROSS: 5,336.24 m<sup>2</sup>



## SITE PLAN/ ROOF



## FOUNDATION PLAN 01



## OPIS ZIDOVÁ

- Disperzivna bijela boja
- Impregnacija
- Cementni malter
- Opekarski blok  
/armirani beton
- Cementni malter
- Impregnacija
- Disperzivna bijela boja

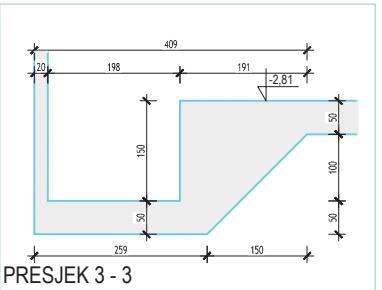
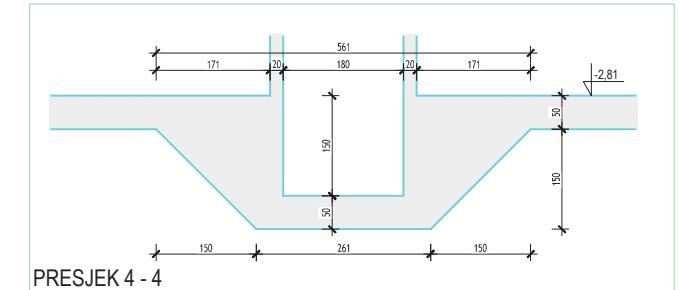
Z2 UNUTRAŠNJI ZID

- Disperzivna bijela boja
- Impregnacija
- Cementni malter
- Opekarski blok
  - /amirani beton 12,0,
- Cementni malter
- Vodonepropusni sika pre  
u visini pločica
- Keramičke pločice

- Dekorativni silikatni malter
- Polimerno ljepilo
- EPS termoizolacija
- Opekarski blok
- /armirani beton
- Cementni malter
- Impregnacija
- Disperzivna bijela boja

Z4 VANJSKI ZID	
- Trespa Meteon sistem vjesanja	- Polimerno
ljepilo TS700 fasadna ploca	d = 3,0 cm
cm - Zracni sloj	30 mm
cm - EPS termoizolacija	5,0 cm
cm - OpekaRSki blok	
cm /armirani beton	20,0 cm
cm - Cementni malter	1,5 cm
- Vodonepropusni sika premaz	
u visini pločica	
- Keramičke pločice	1,0 cm

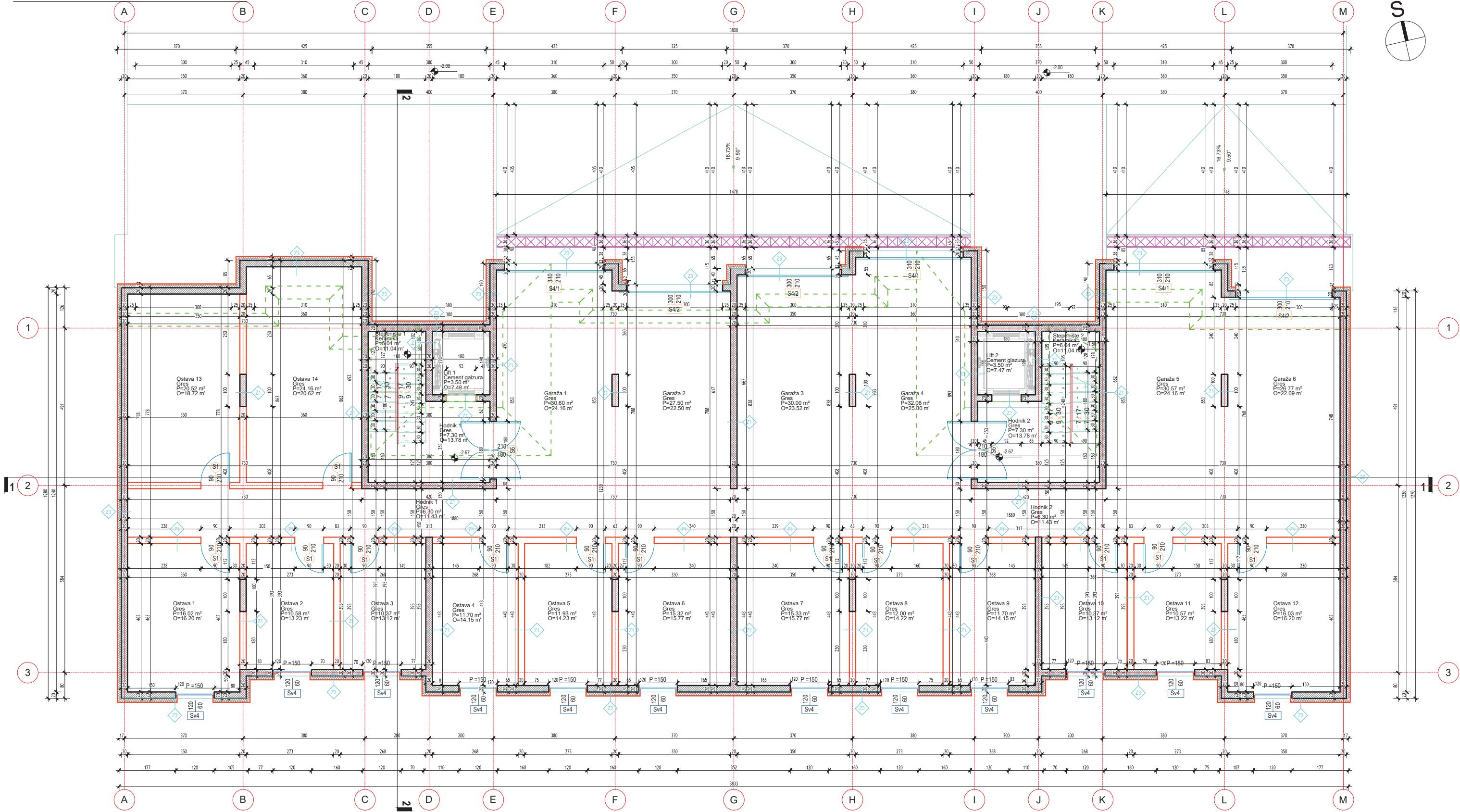
<u>Z5 VANJSKI ZID</u>	
- Trespa Meteon sistem vjesanja -	
Polimerno ljepilo TS700 fasadna ploča	
d = 3,0 cm	
- XPS Laštro	5,0 cm
- Hidroizolacija	1,0 cm
- Opekarski blok	
/armirani beton	20,0 cm
- Cementni malter	1,5 cm
- Impregnacija	
- Disperzivna bijela boja	



## **opekarski blok**

 armirani beton

# UNDERGROUND PARKING



## OPIS ZIDOVА

### Z1 UNUTRAŠNJI ZID

- Disperzivna bijela boja
- Impregnacija
- Cementni malter
- Opekarski blok /armirani beton
- Cementni malter /visini pločica
- Impregnacija
- Disperzivna bijela boja

### Z2 UNUTRAŠNJI ZID

- Disperzivna bijela boja
- Impregnacija
- Cementni malter
- Opekarski blok /armirani beton
- Cementni malter /visini pločica
- Vodonepropusni sika premaz u visini pločica
- Keramičke pločice

### Z3 VANJSKI ZID

- Dekorativni silikatni malter
- Polimerno ljeplilo
- EPS termoizolacija
- Opekarski blok /armirani beton
- Cementni malter
- Impregnacija
- Disperzivna bijela boja

### Z4 VANJSKI ZID

- Trespa Meteon sistem vjesanja - Polimerno ljeplilo TS700 fasadna ploca d= 3,0 cm
- Zracni sloj 10,0 cm
- EPS termoizolacija 20,0 cm
- Opekarski blok /armirani beton 1,5 cm
- Cementni malter /armirani beton 20,0 cm
- Cementni malter /visini pločica 1,5 cm
- Vodonepropusni sika premaz u visini pločica 1,0 cm
- Keramičke pločice 1,0 cm

### Z5 VANJSKI ZID

- Trespa Meteon sistem vjesanja - Polimerno ljeplilo TS700 fasadna ploca d= 3,0 cm
- XPS Laštro 30 mm
- Opekarski blok /armirani beton 5,0 cm
- Hidroizolacija 20,0 cm
- Opekarski blok /armirani beton 5,0 cm
- Cementni malter /visini pločica 1,0 cm
- Impregnacija 1,5 cm
- Disperzivna bijela boja 1,0 cm

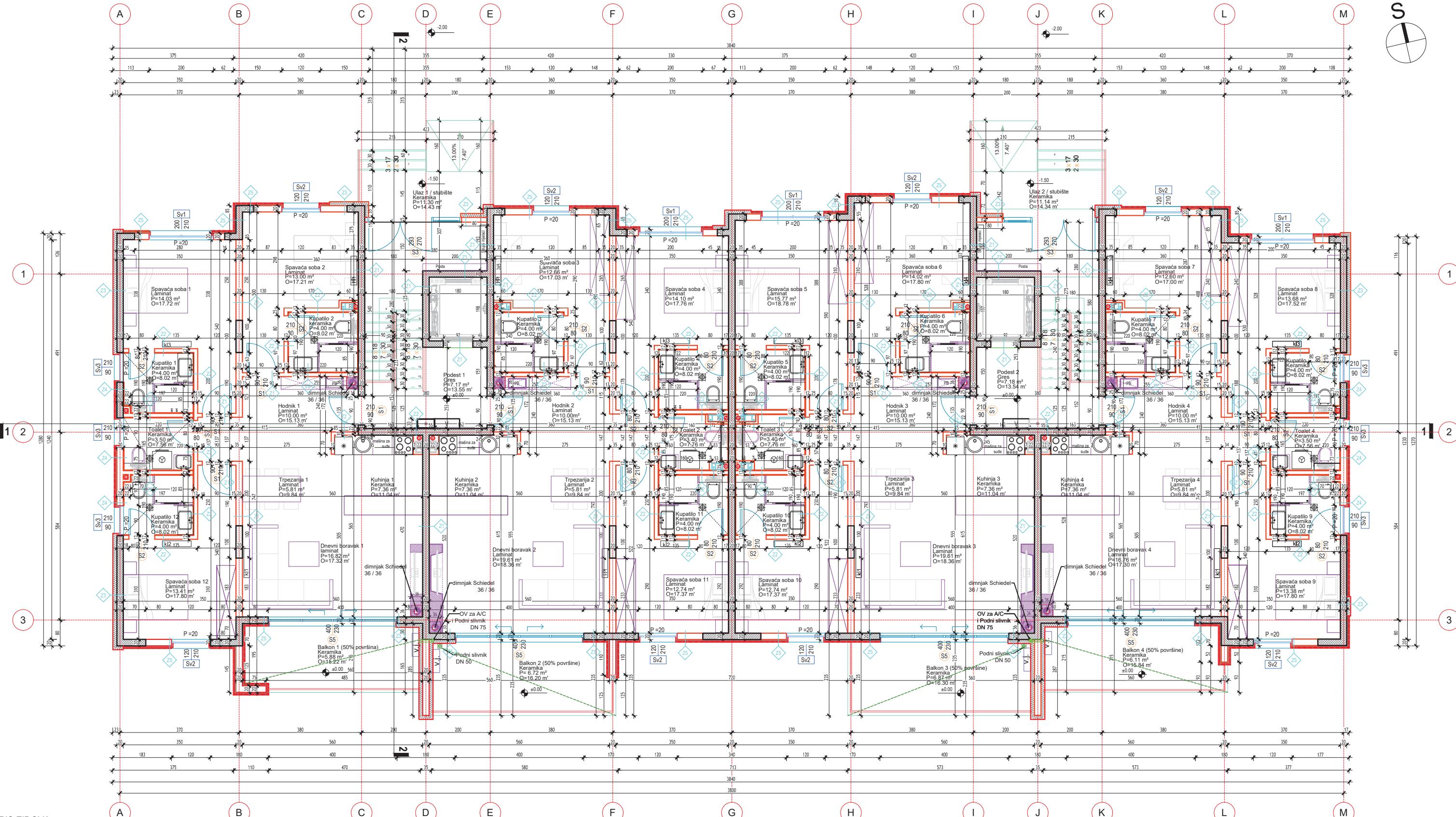
### SUTEREN / PARKING 02

Stepenište 1	6,04 m <sup>2</sup>	Ostava 6	15,32 m <sup>2</sup>
Lift 1	3,50 m <sup>2</sup>	Ostava 7	15,33 m <sup>2</sup>
Podest 1	7,30 m <sup>2</sup>	Ostava 8	12,00 m <sup>2</sup>
Garaža 1	30,60 m <sup>2</sup>	Ostava 9	11,70 m <sup>2</sup>
Garaža 2	27,50 m <sup>2</sup>	Ostava 10	10,37 m <sup>2</sup>
Garaža 3	30,00 m <sup>2</sup>	Ostava 11	10,57 m <sup>2</sup>
Garaža 4	32,08 m <sup>2</sup>	Ostava 12	16,03 m <sup>2</sup>
Lift 2	3,50 m <sup>2</sup>	Ostava 13	20,52 m <sup>2</sup>
Podest 2	7,30 m <sup>2</sup>	Ostava 14	24,16 m <sup>2</sup>
Stepenište 2	6,04 m <sup>2</sup>		
Garaža 5	30,57 m <sup>2</sup>		
Hodnik 1	6,30 m <sup>2</sup>		
Hodnik 2	6,30 m <sup>2</sup>		
Ostava 1	16,02 m <sup>2</sup>		
Ostava 2	10,58 m <sup>2</sup>		
Ostava 3	10,37 m <sup>2</sup>		
Ostava 4	11,70 m <sup>2</sup>		
Ostava 5	12,00 m <sup>2</sup>		

opekarski blok

armirani beton

# GROUND FLOOR



## OPIS ZIDOVA

Z1 UNUTRAŠNJI ZID  
- Disperzivna bijela boja  
- Impregnacija

- Cementni malter  
/armirani beton

- Cementni malter  
- Impregnacija

- Disperzivna bijela boja

Z2 UNUTRAŠNJI ZID  
- Disperzivna bijela boja  
- Impregnacija

1,5 cm

- Cementni malter  
/armirani beton

12,0/20,0 cm  
1,5 cm

Z3 VANJSKI ZID  
- Dekorativni silikatni malter  
- Polimerno ljeplilo

1,5 cm

- EPS termoizolacija  
/armirani beton

12,0/20,0 cm  
1,0 cm

Z4 VANJSKI ZID  
- Trespa Meteon sistem vjesanja - Polimerno ljeplilo TS700 fasadna ploca d= 3,0 cm

10,0 cm

- Zracni sloj  
- EPS termoizolacija

/armirani beton  
1,5 cm

Z5 VANJSKI ZID  
- Trespa Meteon sistem vjesanja - Polimerno ljeplilo TS700 fasadna ploca d= 3,0 cm

30 mm

- XPS Laštro

20,0 cm  
1,5 cm

## PRIZMELJE

Podeš 2	7,18 m <sup>2</sup>
Ulaž 1/stubište	11,30 m <sup>2</sup>
Podeš 1	7,17 m <sup>2</sup>
Hodnik 1	10,00 m <sup>2</sup>
Kupatilo 1	4,00 m <sup>2</sup>
Spavaća soba 1	14,03 m <sup>2</sup>
Spavaća soba 2	13,00 m <sup>2</sup>
Kupatilo 2	4,00 m <sup>2</sup>
Toilet 1	3,50 m <sup>2</sup>
Hodnik 2	10,00 m <sup>2</sup>
Kupatilo 3	4,00 m <sup>2</sup>
Spavaća soba 3	12,66 m <sup>2</sup>
Spavaća soba 4	14,10 m <sup>2</sup>
Kupatilo 4	4,00 m <sup>2</sup>
Toilet 2	3,40 m <sup>2</sup>
Spavaća soba 5	15,77 m <sup>2</sup>
Kupatilo 5	4,00 m <sup>2</sup>
Toilet 3	3,40 m <sup>2</sup>
Spavaća soba 6	14,02 m <sup>2</sup>
Kupatilo 6	4,00 m <sup>2</sup>
Hodnik 3	10,00 m <sup>2</sup>
Ulaž 2/stubište	11,14 m <sup>2</sup>
Podeš 4	10,00 m <sup>2</sup>
Dnevni boravak 3	19,61 m <sup>2</sup>
Balkon 3 (50% površine)	6,87 m <sup>2</sup>
Kuhinja 4	7,36 m <sup>2</sup>
Dnevni boravak 4	5,81 m <sup>2</sup>
Balkon 4 (50% površine)	6,11 m <sup>2</sup>
Trepažnja 3	5,81 m <sup>2</sup>
Dnevni boravak 3	19,61 m <sup>2</sup>
Balkon 3 (50% površine)	6,87 m <sup>2</sup>
Kuhinja 4	7,36 m <sup>2</sup>
Dnevni boravak 4	16,76 m <sup>2</sup>
Balkon 4 (50% površine)	6,11 m <sup>2</sup>
Dnevni boravak 1	16,82 m <sup>2</sup>
Balkon 1 (50% površine)	5,88 m <sup>2</sup>
Kuhinja 2	10,00 m <sup>2</sup>
Trepažnja 2	5,81 m <sup>2</sup>
Dnevni boravak 2	19,61 m <sup>2</sup>
Balkon 2 (50% površine)	6,72 m <sup>2</sup>

POVRSINA PRIZMELJE NETO:

454,42 m<sup>2</sup>

POVRSINA PRIZMELJE BRUTO:

550,84 m<sup>2</sup>

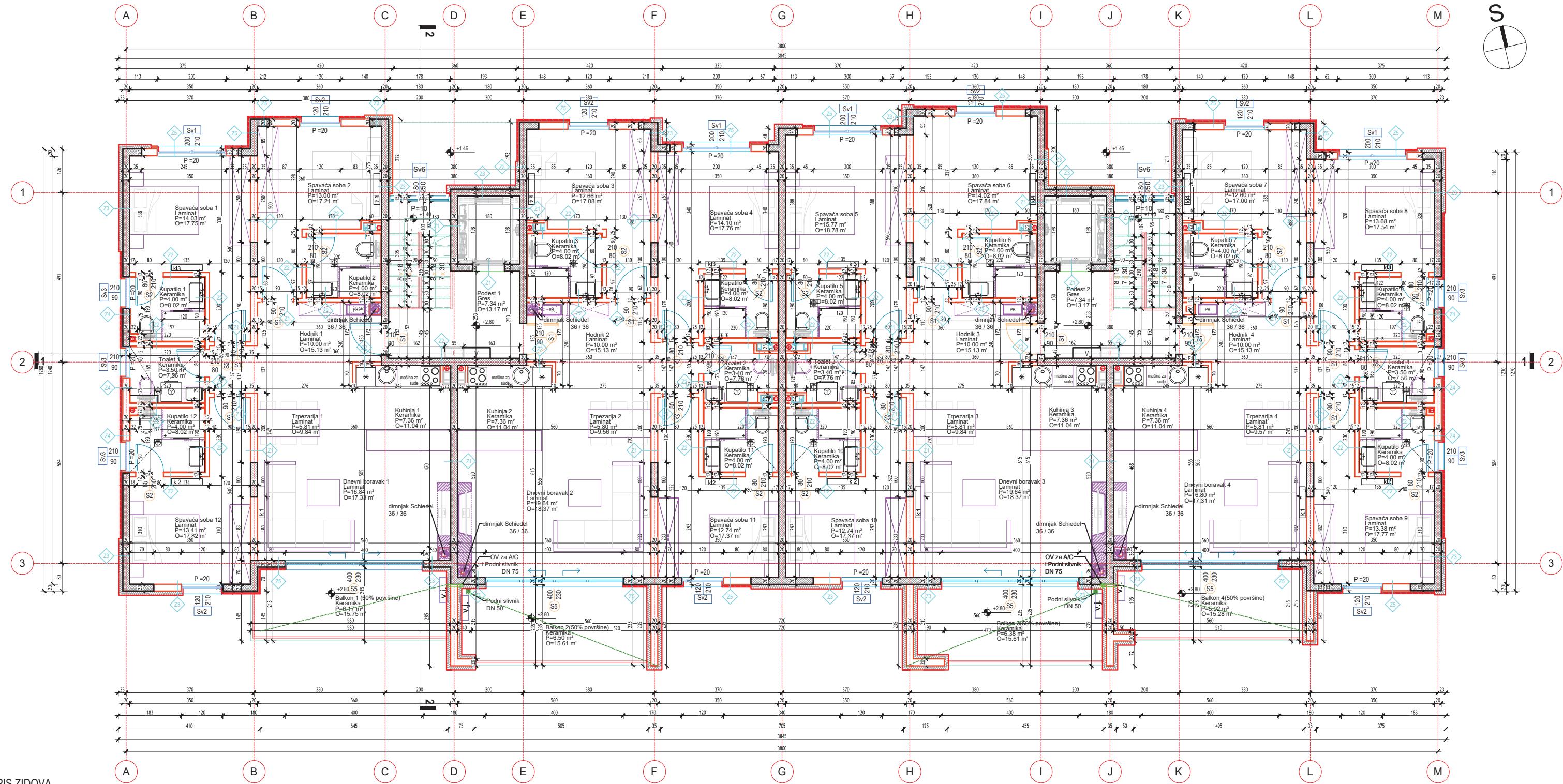


opekarski blok



armirani beton

# FIRST FLOOR



## OPIS ZIDOVА

**Z1 UNUTRAŠNJI ZID**

- Disperzivna bijela boja
- Impregnacija
- Cementni malter
- Opekarski blok
- /armirani beton
- Cementni malter
- Impregnacija
- Disperzivna bijela boja

**Z2 UNUTRAŠNJI ZID**

- Disperzivna bijela boja
- Impregnacija
- Cementni malter
- Opekarski blok
- /armirani beton
- Cementni malter
- Vodonepropusni sika premaz u visini pločica
- Keramičke pločice

**Z3 VANJSKI ZID**

- Dekorativni silikatni malter
- Polimerno ljepilo
- EPS termoizolacija
- Opekarski blok
- /armirani beton
- Cementni malter
- Impregnacija
- Disperzivna bijela boja

**Z4 VANJSKI ZID**

- Trespa Meteon sistem vjesanja - Polimerno ljepilo TS700 fasadna ploca d= 3,0 cm
- Zracni sloj 30 mm
- EPS termoizolacija 5,0 cm
- Opekarski blok
- /armirani beton
- Cementni malter
- Vodonepropusni sika premaz u visini pločica
- Keramičke pločice

**Z5 VANJSKI ZID**

- Trespa Meteon sistem vjesanja - Polimerno ljepilo TS700 fasadna ploca d= 3,0 cm
- XPS Laštro 5,0 cm
- Hidroizolacija 1,0 cm
- Opekarski blok
- /armirani beton
- Cementni malter
- Impregnacija
- Disperzivna bijela boja

## 1 SPRAT

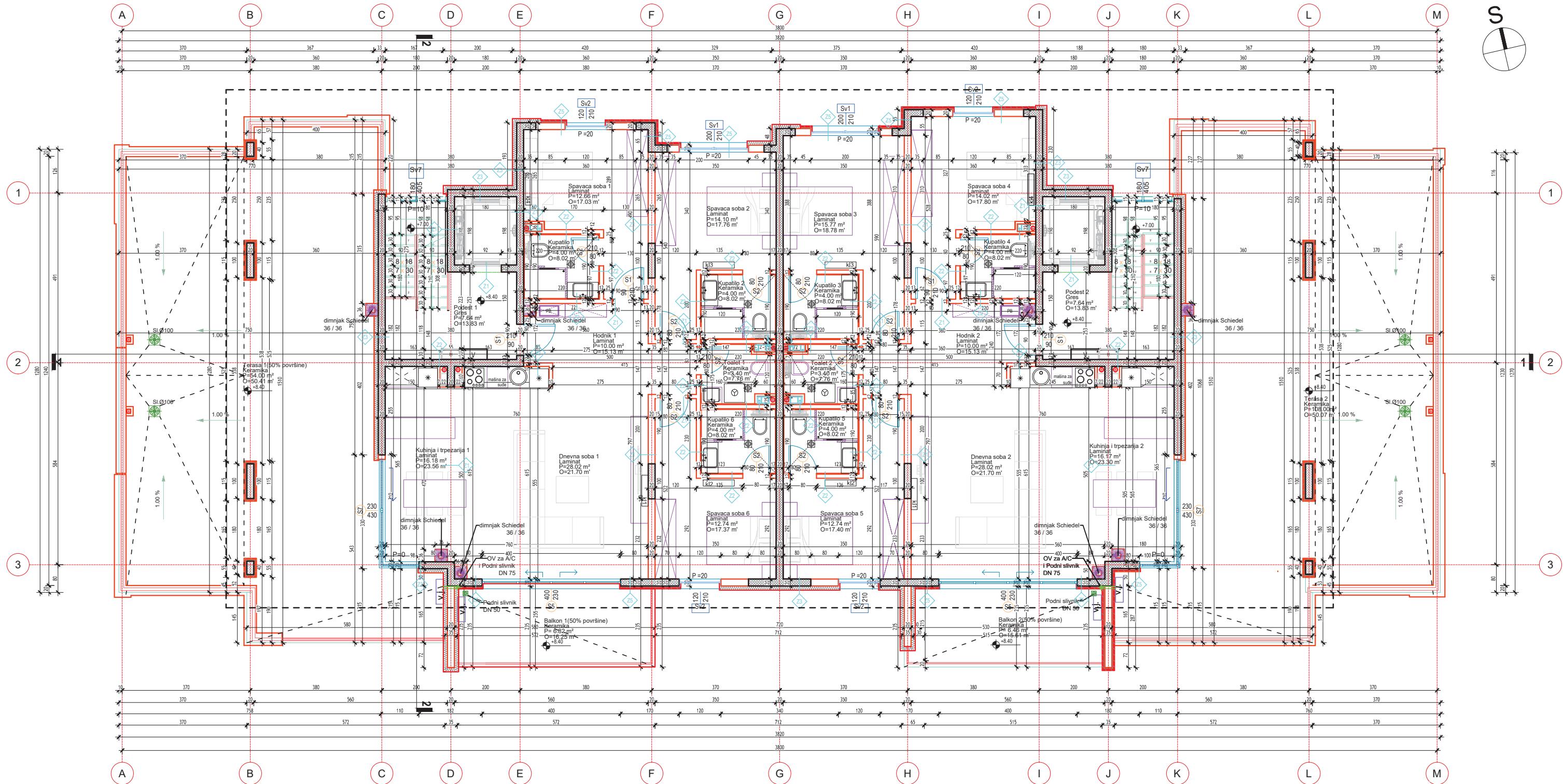
Podest 1	7,34 m <sup>2</sup>	Kupatilo 7	4,00 m <sup>2</sup>	Balkon 1(50% površine)	6,50 m <sup>2</sup>
Hodnik 1	10,00 m <sup>2</sup>	Kupatilo 1	4,00 m <sup>2</sup>	Kuhinja 3	7,36 m <sup>2</sup>
Kupatilo 1	4,00 m <sup>2</sup>	Kupatilo 8	4,00 m <sup>2</sup>	Trpežnja 3	5,81 m <sup>2</sup>
Spavaća soba 1	14,03 m <sup>2</sup>	Spavaća soba 8	13,68 m <sup>2</sup>	Dnevni boravak 3	19,61 m <sup>2</sup>
Spavaća soba 2	13,00 m <sup>2</sup>	Kupatilo 2	4,00 m <sup>2</sup>	Balkon 3(50% površine)	6,38 m <sup>2</sup>
Kupatilo 2	4,00 m <sup>2</sup>	Toalet 1	3,50 m <sup>2</sup>	Kuhinja 4	7,36 m <sup>2</sup>
Tealet 1	3,50 m <sup>2</sup>	Kupatilo 9	4,00 m <sup>2</sup>	Trpežnja 4	5,81 m <sup>2</sup>
Hodnik 2	10,00 m <sup>2</sup>	Kupatilo 10	4,00 m <sup>2</sup>	Dnevni boravak 4	16,76 m <sup>2</sup>
Kupatilo 3	4,00 m <sup>2</sup>	Spavaća soba 10	12,74 m <sup>2</sup>	Balkon 4(50% površine)	5,92 m <sup>2</sup>
Spavaća soba 3	12,66 m <sup>2</sup>	Kupatilo 11	4,00 m <sup>2</sup>	Površina 1.sprata NETO:	431,70 m <sup>2</sup>
Spavaća soba 4	14,10 m <sup>2</sup>	Spavaća soba 11	10,00 m <sup>2</sup>	Površina 1.sprata BRUTO:	538,22 m <sup>2</sup>
Kupatilo 4	4,00 m <sup>2</sup>	Kupatilo 12	4,00 m <sup>2</sup>		
Toalet 2	3,40 m <sup>2</sup>	Spavaća soba 12	13,41 m <sup>2</sup>		
Spavaća soba 5	15,77 m <sup>2</sup>	Trpežnja 1	5,81 m <sup>2</sup>		
Kupatilo 5	4,00 m <sup>2</sup>	Kuhinja 1	7,36 m <sup>2</sup>		
Tealet 3	3,40 m <sup>2</sup>	Dnevni boravak 1	16,82 m <sup>2</sup>		
Spavaća soba 6	14,02 m <sup>2</sup>	Balkon 1 (50% površine)	6,17 m <sup>2</sup>		
Kupatilo 6	4,00 m <sup>2</sup>	Kuhinja 2	10,00 m <sup>2</sup>		
Hodnik 3	10,00 m <sup>2</sup>	Trpežnja 2	5,81 m <sup>2</sup>		
Podest 2	7,34 m <sup>2</sup>	Dnevni boravak 2	19,61 m <sup>2</sup>		
Hodnik 4	10,00 m <sup>2</sup>				

opekarski blok



armirani beton

# LAST FLOOR TERRACE



## OPIS ZIDOVA

Z1 UNUTRAŠNJI ZID
- Disperzivna bijela boja
- Impregnacija
- Cementni malter
- Opekarski blok
/armirani beton
- Cementni malter
- Impregnacija
- Disperzivna bijela boja

Z2 UNUTRAŠNJI ZID
- Disperzivna bijela boja
- Impregnacija
- Cementni malter
- Opekarski blok
/armirani beton
- Cementni malter
- Impregnacija
- Disperzivna bijela boja

Z3 VANJSKI ZID
- Dekorativni silikatni malter
- Polimerno ljeplilo
- EPS termoizolacija
- Opekarski blok
/armirani beton
- Cementni malter
- Impregnacija
- Disperzivna bijela boja

Z4 VANJSKI ZID
- Trespa Meteon sistem vjesanja - Polimerno ljeplilo TS700 fasadna ploca d= 3,0 cm
- Zracni sloj 30 mm
- EPS termoizolacija 5,0 cm
- Opekarski blok 20,0 cm
/armirani beton 1,5 cm
- Cementni malter 20,0 cm
- Vodonepropusni sika premaz u visini pločica
- Impregnacija 1,0 cm
- Keramičke pločice 1,0 cm

Z5 VANJSKI ZID
- Trespa Meteon sistem vjesanja - Polimerno ljeplilo TS700 fasadna ploca d= 3,0 cm
- XPS Laštro 5,0 cm
- Hidroizolacija 1,0 cm
- Opekarski blok 20,0 cm
/armirani beton 1,5 cm
- Cementni malter 20,0 cm
- Impregnacija 1,0 cm
- Disperzivna bijela boja 1,0 cm

## 3 SPRAT

Podenjak 1 Hodnik 1 Kupatilo 1 Spavaca soba 1 Spavaca soba 2 Kupatilo 2 Toalet 1 Hodnik 2 Kupatilo 3 Spavaca soba 3 Spavaca soba 4 Kupatilo 4 Toalet 2 Spavaca soba 5 Kupatilo 5 Spavaca soba 6 Kupatilo 6 Podest 2 Kuhinja i trpezanja 1	7,64 m <sup>2</sup> 10,00 m <sup>2</sup> 4,00 m <sup>2</sup> 12,66 m <sup>2</sup> 14,10 m <sup>2</sup> 3,40 m <sup>2</sup> 4,00 m <sup>2</sup> 15,77 m <sup>2</sup> 14,02 m <sup>2</sup> 3,40 m <sup>2</sup> 12,74 m <sup>2</sup> 4,00 m <sup>2</sup> 12,74 m <sup>2</sup> 4,00 m <sup>2</sup> 7,64 m <sup>2</sup> 16,18 m <sup>2</sup>	Dnevni boravak 1 Balkon (50% površine) Kuhinja i trpezanja 2 Dnevni boravak 2 Balkon (25% površine) Terasa (50% površine) Terasa (25% površine)	28,02 m <sup>2</sup> 6,82 m <sup>2</sup> 16,17 m <sup>2</sup> 28,02 m <sup>2</sup> 6,46 m <sup>2</sup> 54,00 m <sup>2</sup> 54,00 m <sup>2</sup>
<b>Površina 3.sprata NETO:</b>			<b>342,58 m<sup>2</sup></b>
<b>Površina 3.sprata BRUTO:</b>			<b>538,22 m<sup>2</sup></b>

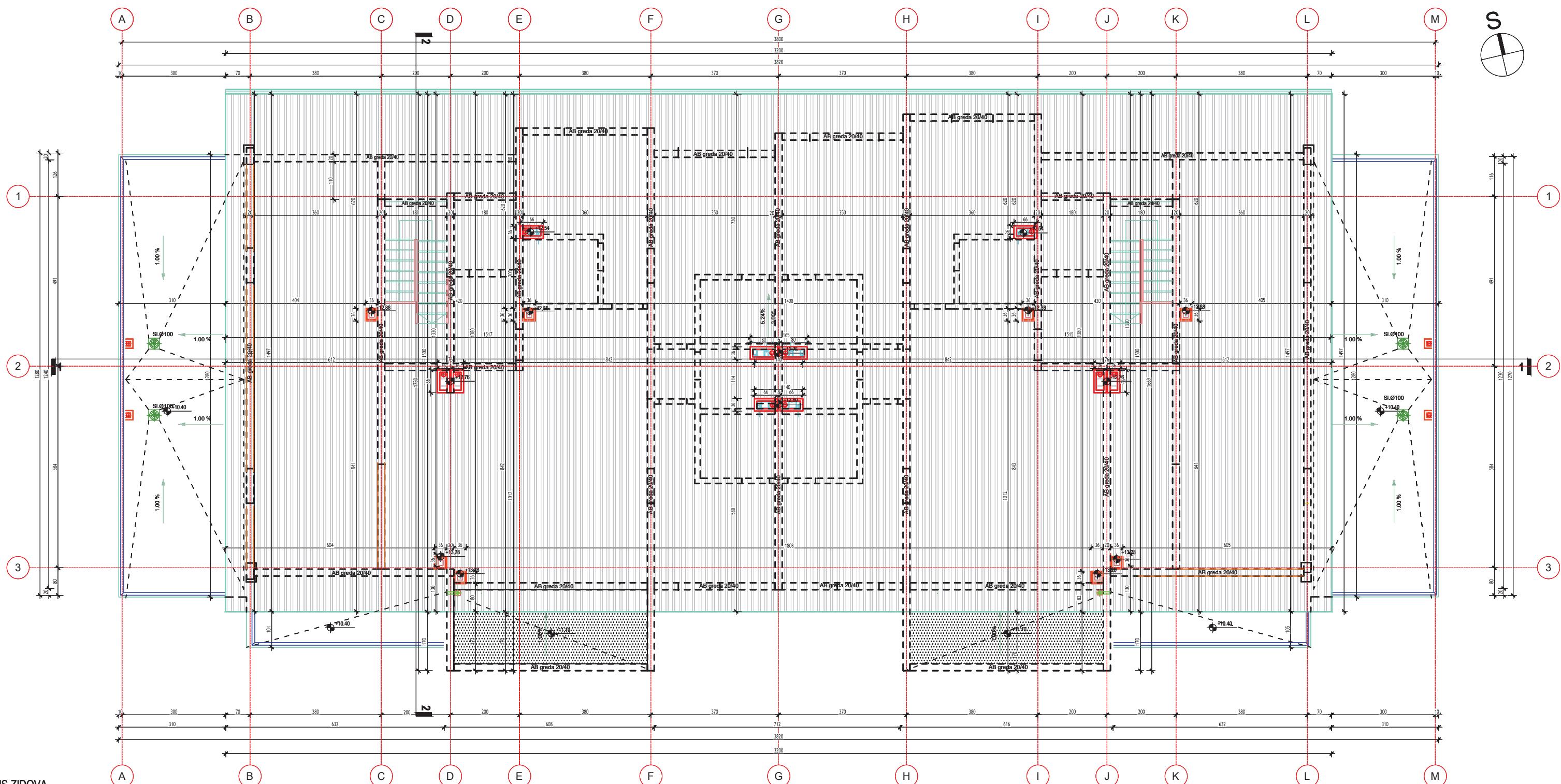
**UKUPNO KORISNA Površina OBJEKTA**  
**N E T O:** 2.106,95 m<sup>2</sup>  
**UKUPNO BRUTO:** 2.668,12 m<sup>2</sup>



opekarski blok

armirani beton

## ROOF PLAN



## OPIS ZIDOVÁ

- Disperzivna bijela boja
- Impregnacija
- Cementni malter
- Opekarski blok  
/armirani beton
- Cementni malter
- Impregnacija
- Disperzivna bijela boja

**Z2 UNUTRAŠNJI ZID**

- Disperzivna bijela boja
- Impregnacija
- Cementni malter
- Opekarski blok  
/armirani beton 12,0/
- Cementni malter
- Vodonepropusni sika pren  
u visini pločica

- Dekorativni silikatni mal
- Polimerno ljepljivo
- EPS termoizolacija
- Opekarski blok
- /armirani beton
- Cementni malter
- Impregnacija
- Disperzivna bijela boja

Z4 VANJSKI ZID	
- Trespa Meteon sistem vjesanja	- Polimerni
ljepilo TS700 fasadna ploca	d= 3,0 cm
0 cm - Zracni sloj	30 mm
cm - EPS termoizolacija	5,0 cm
5 cm - Opekarski blok	
/amirani beton	20,0 cm
- Cementni malter	1,5 cm
- Vodonepropusni sika premaz	
u visini pločica	
- Keramičke pločice	1,0 cm

<u>Z5 VANJSKI ZID</u>	
-Trespa Meteon sistem vjesanja -	
Polimerno ljeplilo TS700 fasadna ploca	
d= 3,0 cm	
- XPS Laštro	5,0 cm
- Hidroizolacija	1,0 cm
- Opekarski blok	
/armirani beton	20,0 cm
- Cementni malter	1,5 cm
- Impregnacija	
- Disperzivna bijela boja	

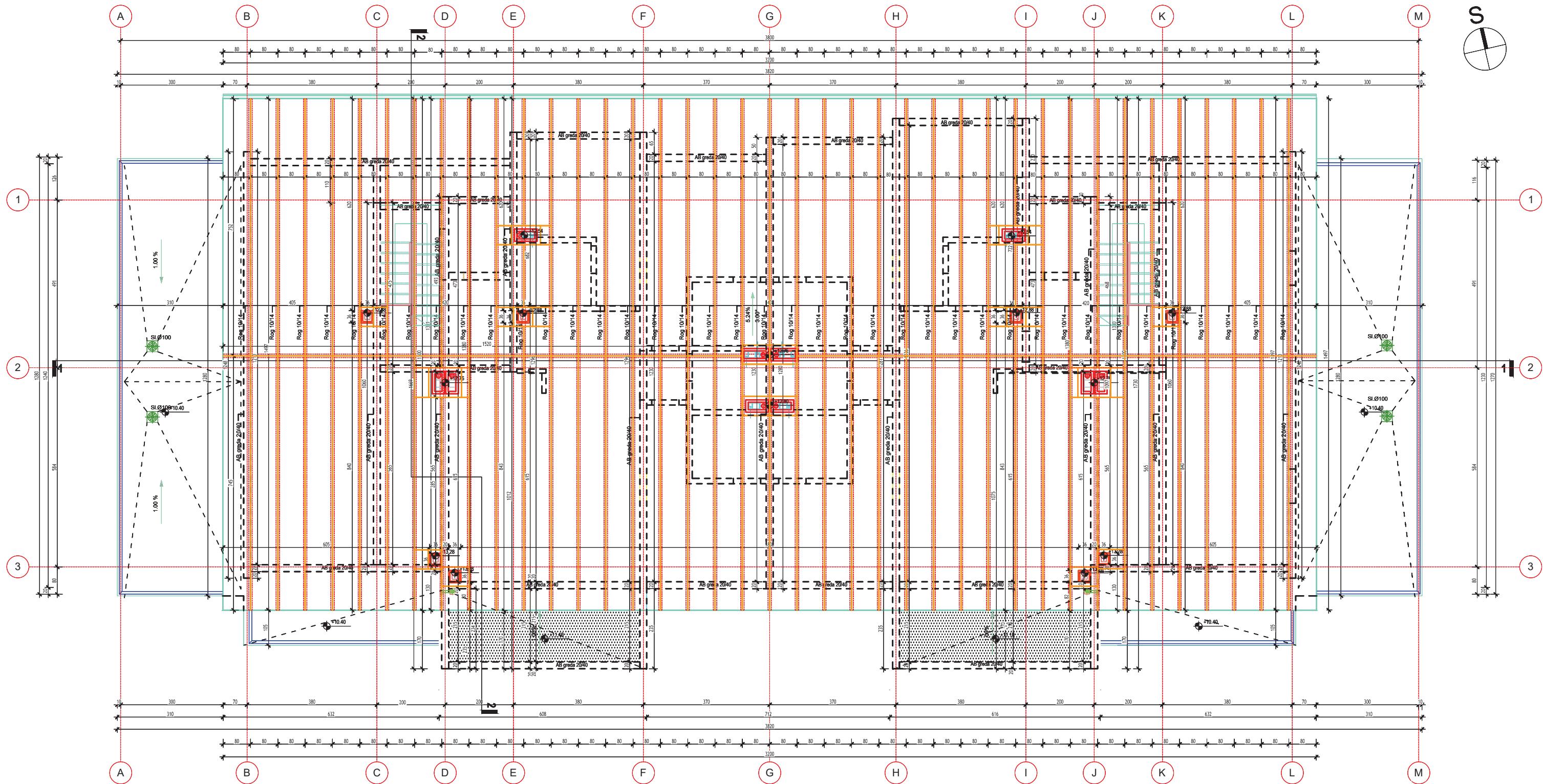


opekarski blok



armirani beton

# ROOF CONSTRUCTION PLAN



## OPIS ZIDOVA

**Z1 UNUTRAŠNJI ZID**  
 - Disperzivna bijela boja  
 - Impregnacija  
 - Cementni malter  
 - Opekarski blok  
 /armirani beton  
 - Cementni malter  
 - Impregnacija  
 - Disperzivna bijela boja

**Z2 UNUTRAŠNJI ZID**  
 - Disperzivna bijela boja  
 - Impregnacija  
 - Cementni malter  
 - Opekarski blok  
 /armirani beton  
 - Cementni malter  
 - Vodonepropusni sika premaz u visini pločica  
 - Keramičke pločice

**Z3 VANJSKI ZID**  
 - Dekorativni silikatni malter  
 - Polimerno ljeplilo  
 - EPS termoizolacija  
 - Opekarski blok  
 /armirani beton  
 - Cementni malter  
 - Impregnacija  
 - Disperzivna bijela boja

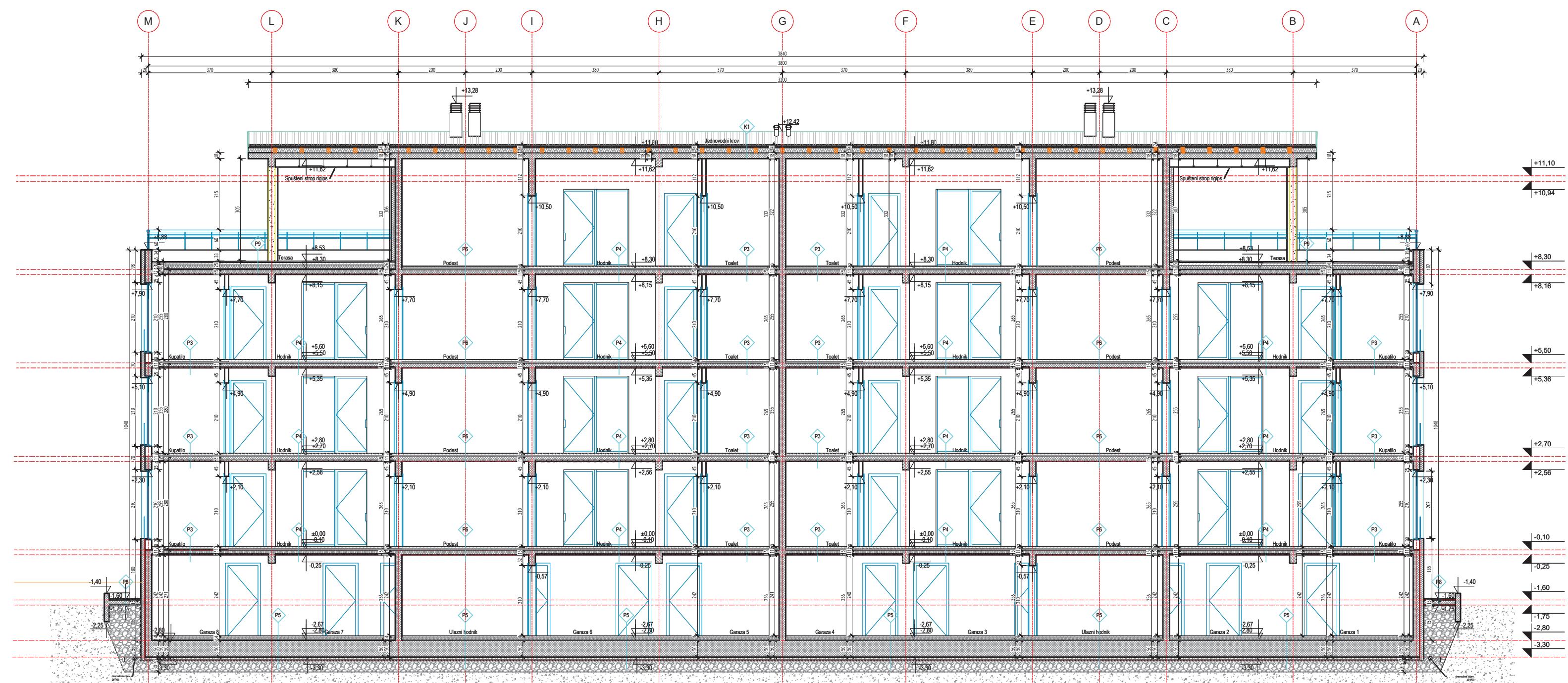
**Z4 VANJSKI ZID**  
 - Trespa Meteon sistem vjesanja - Polimerno ljeplilo TS700 fasadna ploca d= 3,0 cm  
 - Zracni sloj 30 mm  
 - EPS termoizolacija 5,0 cm  
 - Opekarski blok /armirani beton 20,0 cm  
 - Cementni malter 1,5 cm  
 - Vodonepropusni sika premaz u visini pločica  
 - Keramičke pločice 1,0 cm

**Z5 VANJSKI ZID**  
 - Trespa Meteon sistem vjesanja - Polimerno ljeplilo TS700 fasadna ploca d= 3,0 cm  
 - XPS Laštro 5,0 cm  
 - Hidroizolacija 1,0 cm  
 - Opekarski blok /armirani beton 20,0 cm  
 - Cementni malter 1,5 cm  
 - Impregnacija  
 - Disperzivna bijela boja

opekarski blok

armirani beton

# SECTION 1-1



P1 ULAZ/STUBISTE

- Gres 1,0 cm
- Cementni estrih 3,0 cm
- PE folija
- AB ploča 15,0 cm
- Cementni malter rabiciran 1,5 cm
- Impregnacija
- Dekorativni silikatni malter

P2 SOBE, DNEVNI BORAVAK NA SPRATU

- Laminat 1,0 cm
- Cementni estrih 6,0 cm
- PE folija 1000
- EPS termoizolacija 3,0 cm
- AB ploča / Omnia ploča 15,0 cm
- Cementni malter 1,0 cm
- Impregnacija
- Disperzivna bijela boja

P3 KUPATILA NA SPRATU

- Keramičke pločice 1,0 cm
- Vodonepropusni premaz
- Cementni estrih u padu 4,0-5,0 cm
- PE folija
- XPS termoizolacija 4,0 cm
- Hidroizolacija 0,5 cm
- AB ploča / Omnia ploča 15,0 cm
- Cementni malter 1,0 cm
- Impregnacija
- Disperzivna bijela boja

P4 HODNIK NA SPRATU

- Laminat 1,0 cm
- Cementni estrih 5,0 cm
- PE folija 1000
- EPS termoizolacija 4,0 cm
- XPS termoizolacija 8,0 cm
- AB ploča 15,0 cm
- AB ploča 50,0 cm
- Betonska ploča 8,0 cm
- Bitumenska hidroizolacija 1,0 cm
- Betonska ploča 5,0 cm
- Tampon 30,0 cm

P5

ULAZNI HODNIK, HODNIK 3, GARAZA, OSTAVA

- Gres 1,0 cm
- Cementni estrih 5,0 cm
- PE folija 5,0 cm
- XPS termoizolacija 4,0 cm
- AB ploča / Omnia ploča 15,0 cm
- AB ploča 15,0 cm
- Betonska ploča 8,0 cm
- Bitumenska hidroizolacija 1,0 cm
- Betonska ploča 5,0 cm

P6 PODEST, MEĐUPODEST

- Gres 1,0 cm
- Cementni estrih 5,0 cm
- PE folija
- XPS termoizolacija 4,0 cm
- Bitumenska hidroizolacija 0,5 cm
- AB ploča 15,0 cm
- EPS termoizolacija 5,0 cm
- Polimerno ljeplilo
- Dekorativni silikatni malter

P6a LOBA NA SPRATU, BALKON

- Gres 1,0 cm
- Armirani beton

P7 STEPENICI

- Gres 1,0 cm
- Betonske ploče 6,0 cm
- Pjesak 4,0 cm
- AB ploča 15,0 cm

P8 PLATO

- EPDM d=1,2 mm ;
- sloj za pad - neamirani beton ;
- termoizolacija ;
- parma brana TENOARM ;
- AB ploča / Omnia 15 cm ;
- Malter 2 cm

P9

TERASA

- protivklizne granitne keramickie pločice na fleksibilnom lepu 1cm ;
- cementna kosuljica 3 cm ;
- hidroizolacija ELASTOSEAL
- Letva 5x3
- Kontra - letva 5x3
- Letva 5x20
- Hi paropropusna vodonepropusna folija
- OSB ploca 2,0 cm
- Rogovi 10x14
- Termoizolacija izmedju rogova
- AB ploca 15,0 cm
- Cementni malter 1,0 cm
- Impregnacija
- Disperzivna bijela boja

K1

JEDNOVODNI KROV

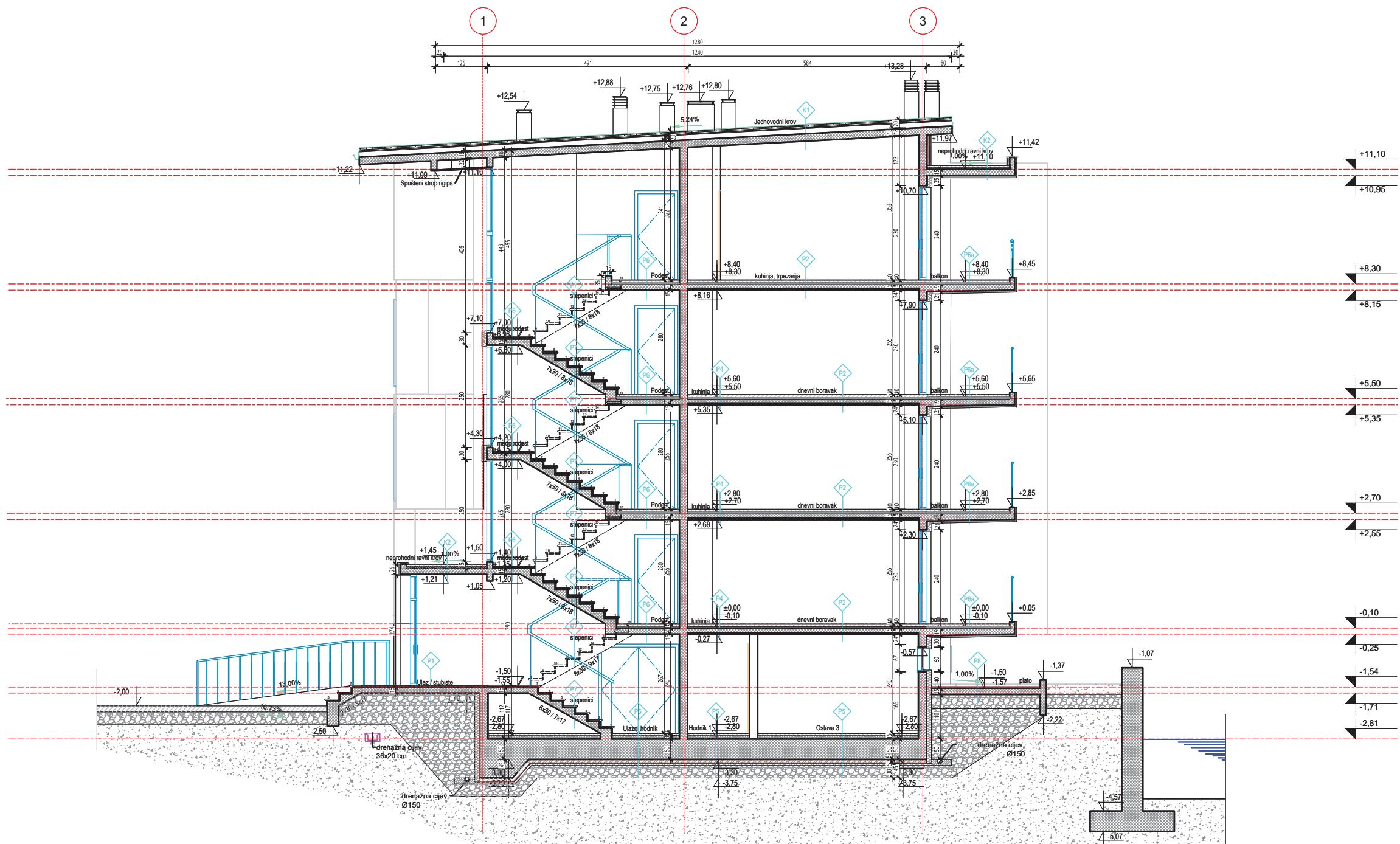
- Završni pokrov - Rebrasti lim
- Letva 5x3
- Geotekstil 300g
- XPS termoizolacija 5,0 cm
- Hidroizolacija 1,0 cm
- Nagibni beton 4,0 - 5,0 cm
- Armirani beton 16,0 cm
- Cementni malter 1,0 cm
- Impregnacija
- Disperzivna bijela boja

K2

NEPROHODNI RAVNI KROV

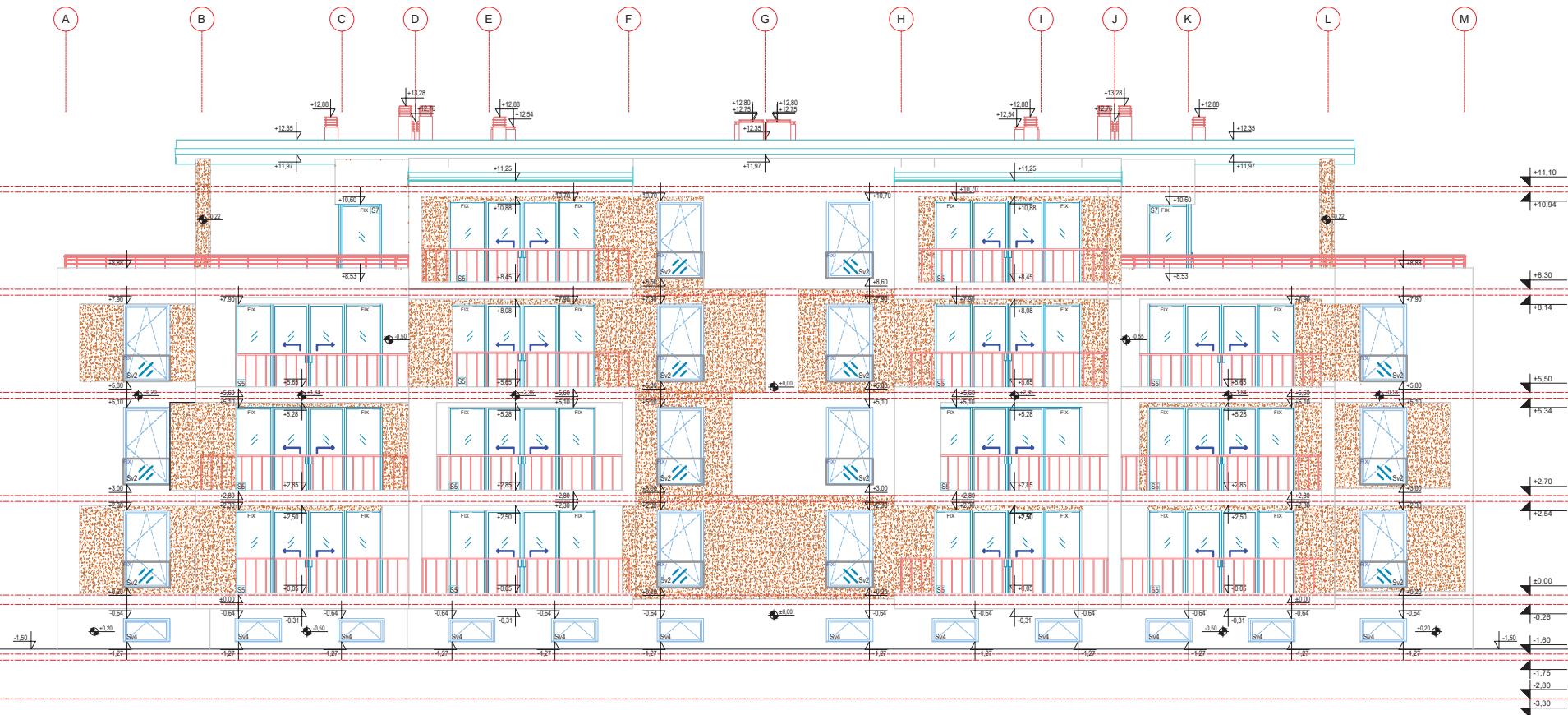
- Granularni slijunak 5,0 cm
- Geotekstil 300g
- XPS termoizolacija 5,0 cm
- Hidroizolacija 1,0 cm
- Nagibni beton 4,0 - 5,0 cm
- Armirani beton 16,0 cm
- Cementni malter 1,0 cm
- Impregnacija
- Disperzivna bijela boja

## SECTION 2-2

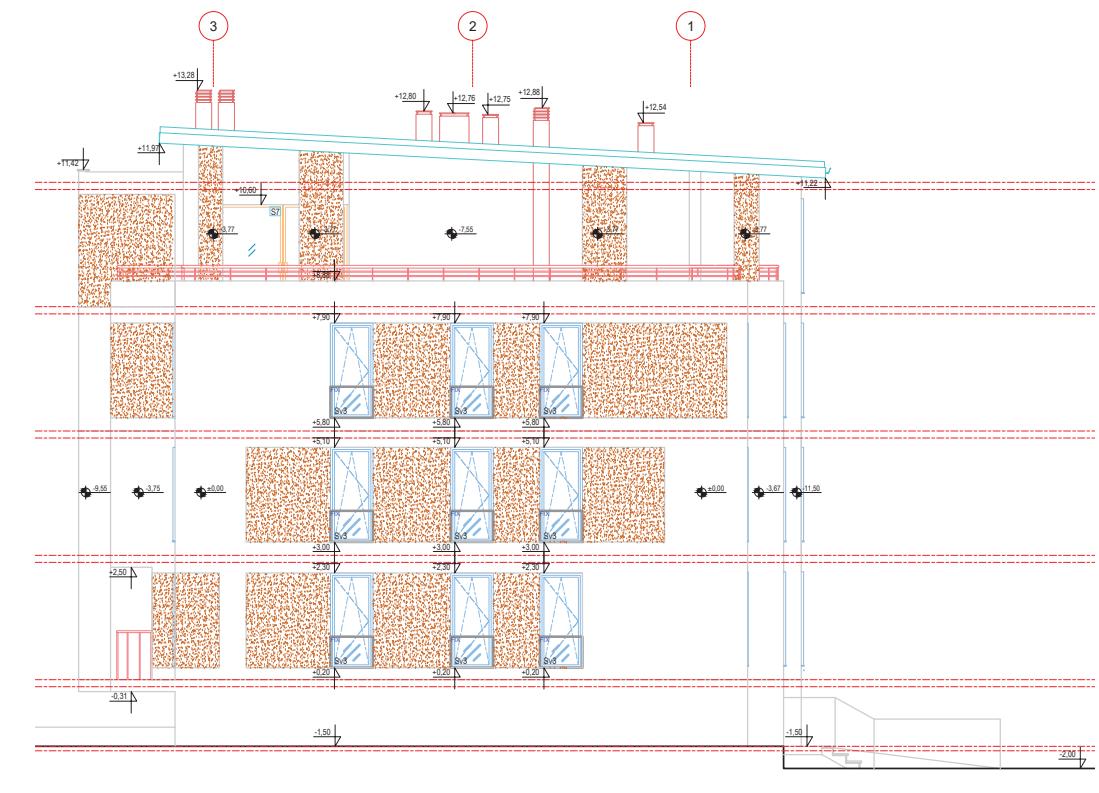


P1 ULAZ/ STUBISTE	P2 SOBE, DNEVNI BORAVAK	P3 KUPATILA NA SPRATU	P4 HODNIK NA SPRATU	P5 ULAZNI HODNIK, HODNIK 3, GARAZA, OSTAVA	P6 PODEST, MEĐUPODEST	P6a LOĐA NA SPRATU, BALKON	P7 STEPENICI	P9 TERASA	K1 JEDNOVODNI KROV	K2 NEPROHODNI RAVNI KROV
- Gres 1,0 cm	<u>NA SPRATU</u>	- Keramičke pločice 1,0 cm	- Laminat 1,0 cm	- Gres 1,0 cm	- Gres 1,0 cm	- Gres 1,0 cm	- Gres 1,0 cm	- protivklizne granitne keramickie pločice na fleksibilnom lepku 1cm ;	- Zavrni pokrov - Rebrasti lim	- Granulirani šljunak 5,0 cm
- Cementni estrih 3,0 cm	- Laminat 1,0 cm	- Vodonepropusni premaz	- Cementni estrih 5,0 cm	- Cementni estrih 5,0 cm	- PE folija	- PE folija 1000	- Cementni estrih 5,0 cm	- Kontra - letva 5x3	- Letva 5x3	- Geotekstil 300g
- PE folija	- Cementni estrih 6,0 cm	- Cementni estrih u padu 4,0-5,0 cm	- PE folija 1000	- PE folija 1000	- PE folija	- EPS termoizolacija 4,0 cm	- PE folija	- XPS termoizolacija 4,0 cm	- XPS termoizolacija 4,0 cm	- XPS termoizolacija 5,0 cm
- AB ploča 15,0 cm	- PE folija 1000	- EPS termoizolacija 3,0 cm	- EPS termoizolacija 4,0 cm	- XPS termoizolacija 4,0 cm	- XPS termoizolacija 8,0 cm	- AB ploča / Omnia ploča 15,0 cm	- Bitumenska hidroizolacija 0,5 cm	- Bitumenska hidroizolacija 0,5 cm	- Kontra - letva 5x3	- Hidroizolacija 1,0 cm
- Cementni malter rabiciran 1,5 cm	- AB ploča / Omnia ploča 15,0 cm	- AB ploča / Omnia ploča 15,0 cm	- Hidroizolacija 0,5 cm	- AB ploča 50,0 cm	- AB ploča 15,0 cm	- AB ploča 15,0 cm	- Betonske ploče 6,0 cm	- sloj za pad - nearmirani beton ;	- Nagibni beton 4,0 - 5,0 cm	- Nagibni beton 16,0 cm
- Impregnacija	- Cementni malter 1,0 cm	- Impregnacija 15,0 cm	- Cementni malter 1,5 cm	- Cementni malter 1,5 cm	- EPS termoizolacija 5,0 cm	- Impregnacija 1,0 cm	- EPS termoizolacija 5,0 cm	- Pjesak 4,0 cm	- OSB ploca 2,0 cm	- Arimirani beton
- Dekorativni silikatni malter	- Impregnacija	- Disperzivna bijela boja	- Disperzivna bijela boja	- Disperzivna bijela boja	- Bitumenska hidroizolacija 1,0 cm	- Dekorativni silikatni malter	- Polimerno ljepilo	- parna brana TENOARM ;	- Rogovi 10x14	- Cementni malter 1,0 cm
	- Disperzivna bijela boja			- Betonska ploča 5,0 cm	- Tampon 30,0 cm	- Dekorativni silikatni malter	- AB ploča	- AB ploča / Omnia 15 cm ;	- Termoizolacija izmedju rogova	- Impregnacija
							- Malter 2 cm	- AB ploca 15,0 cm	- AB ploca 15,0 cm	- Disperzivna bijela boja
								- Malter 2 cm	- Cementni malter 1,0 cm	- Impregnacija
									- Disperzivna bijela boja	

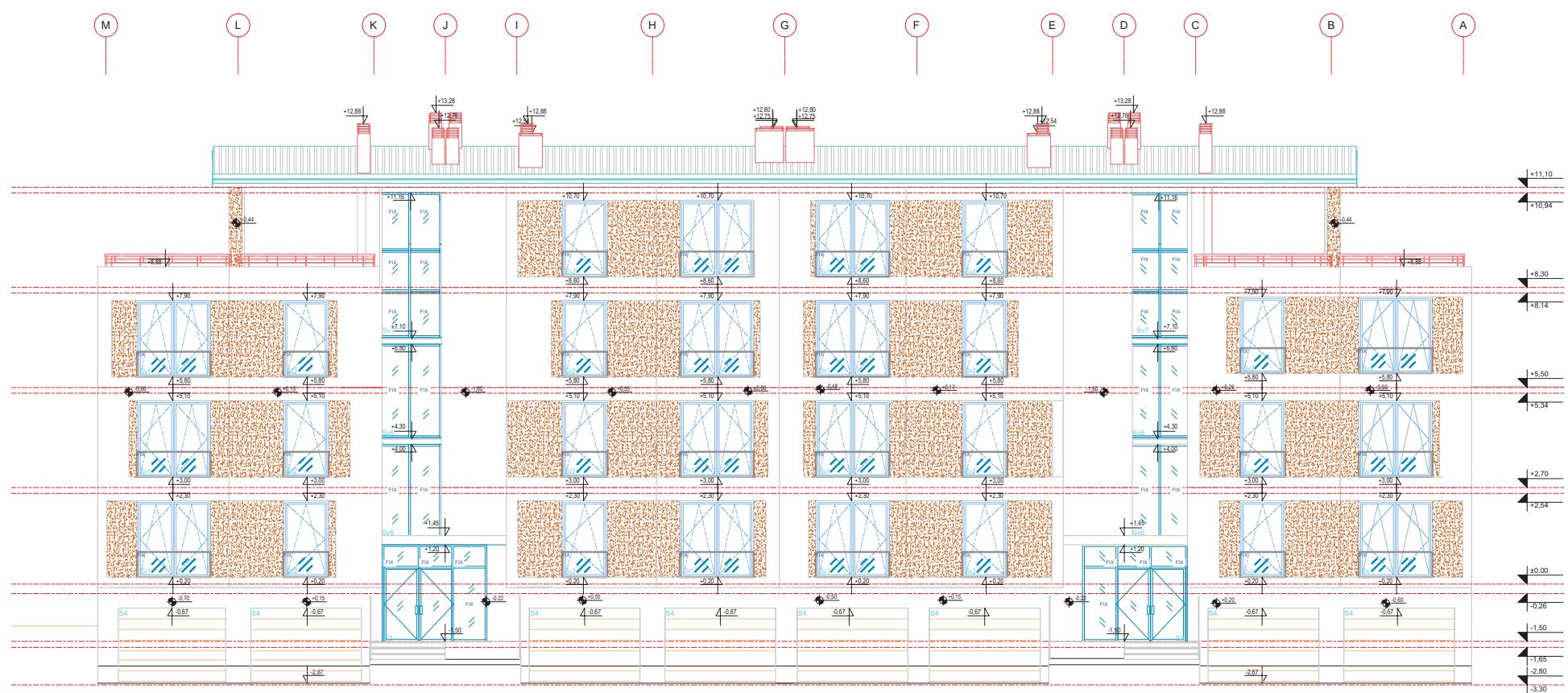
## FACADE VIEWS



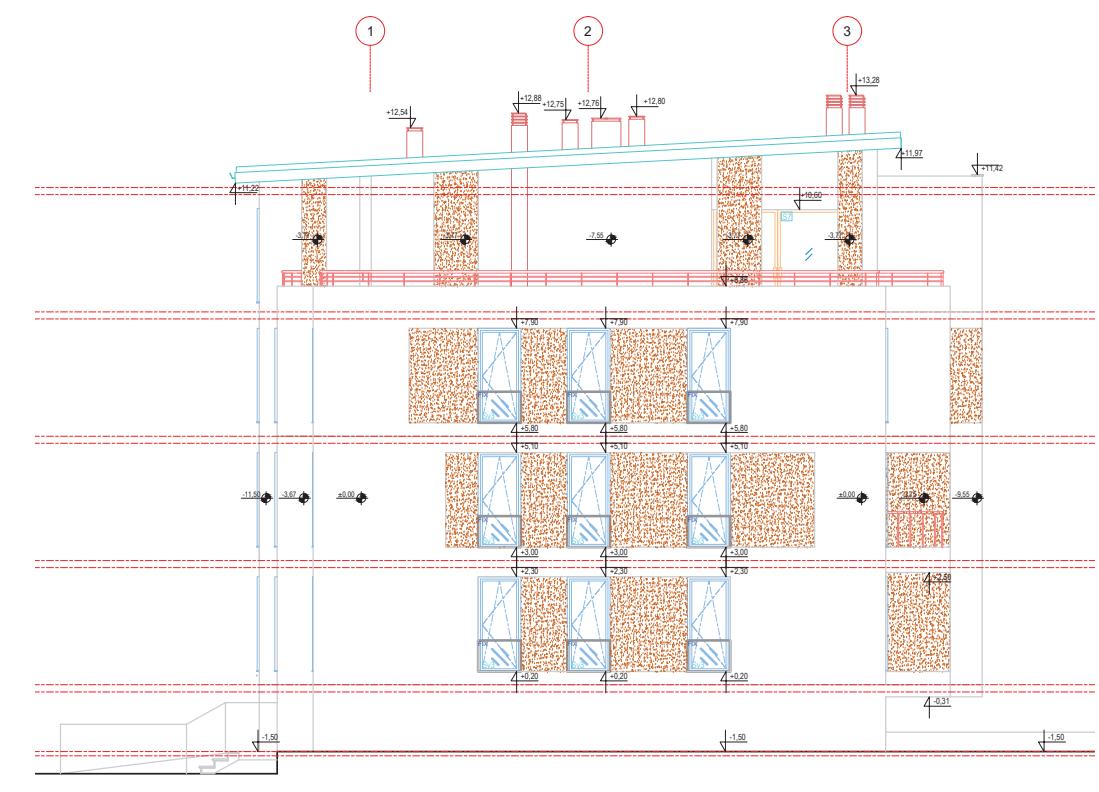
SOUTH-WEST



SOUTH-EAST

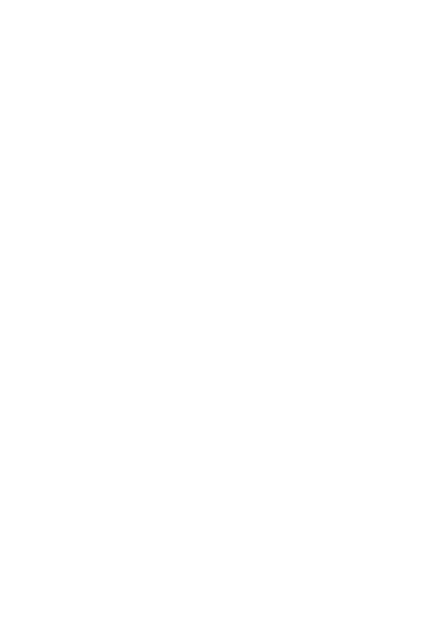
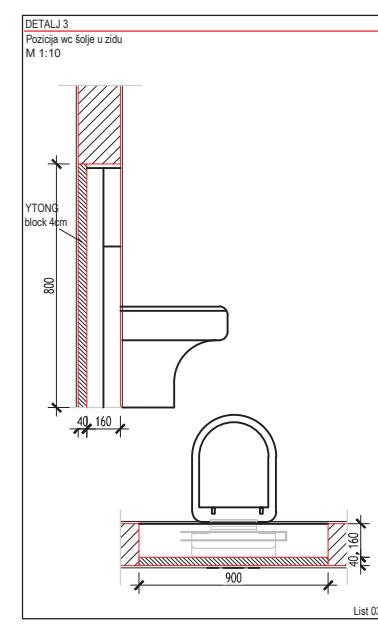
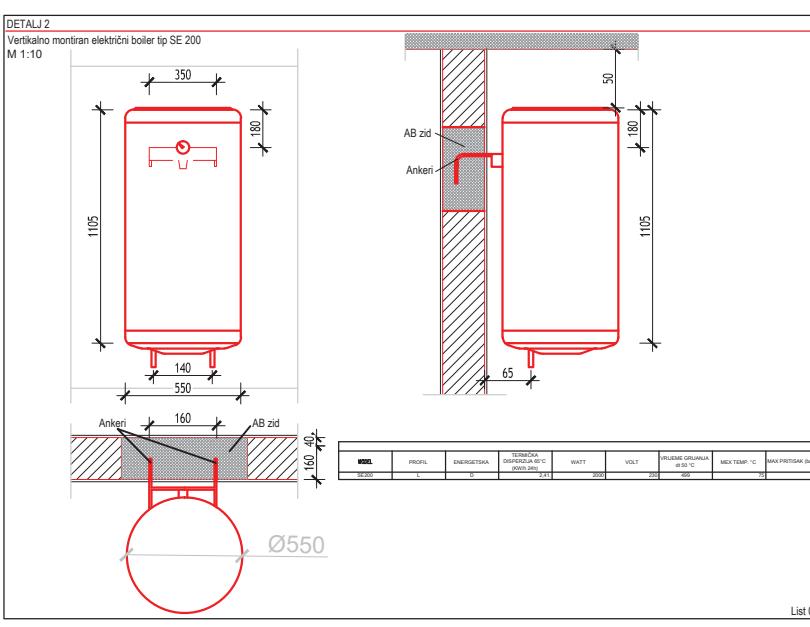
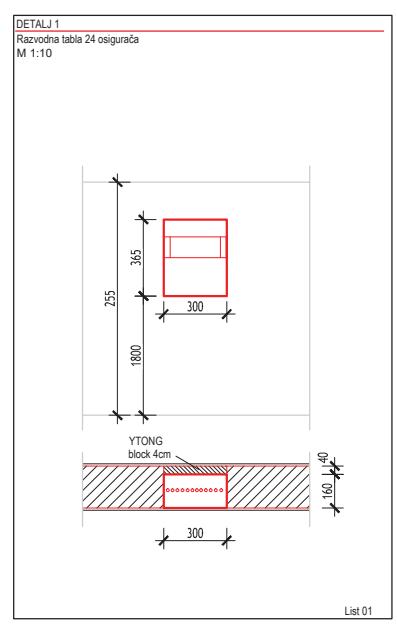
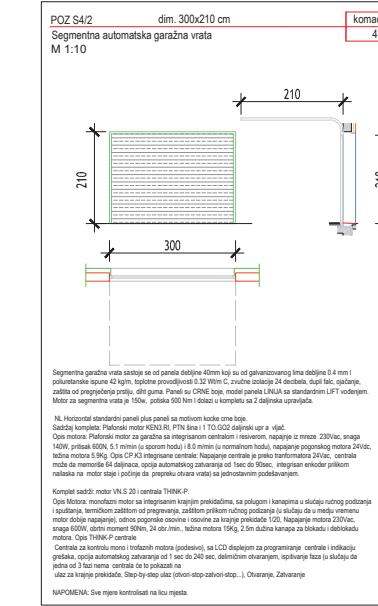
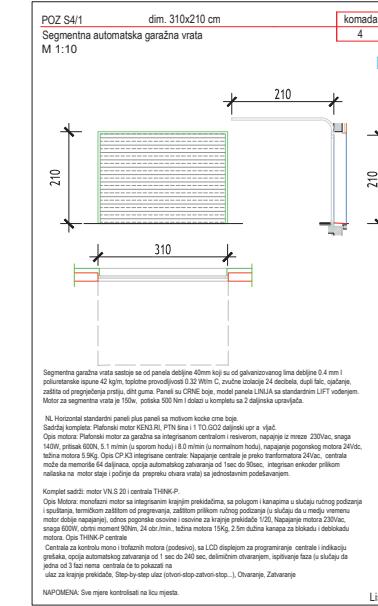
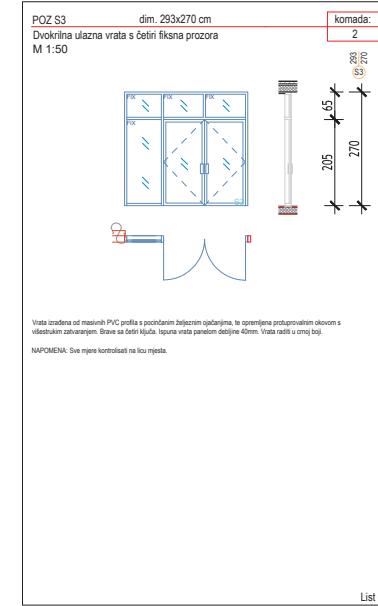
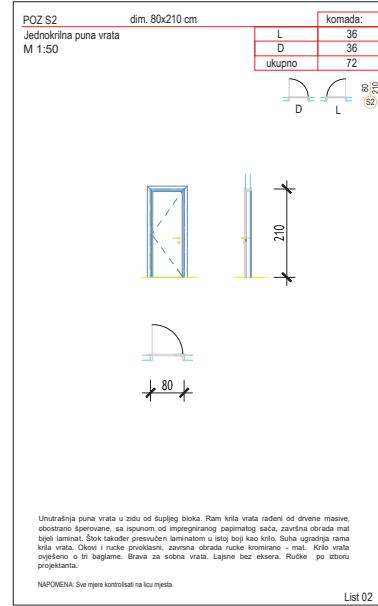
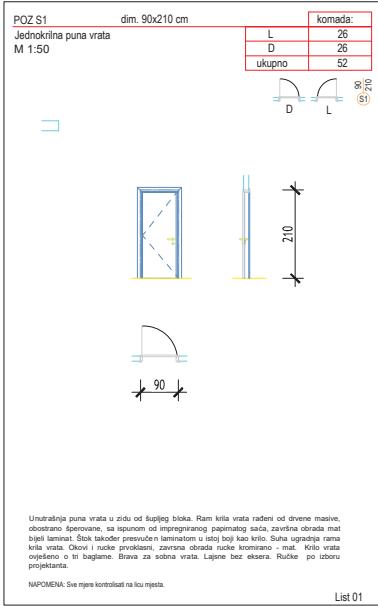
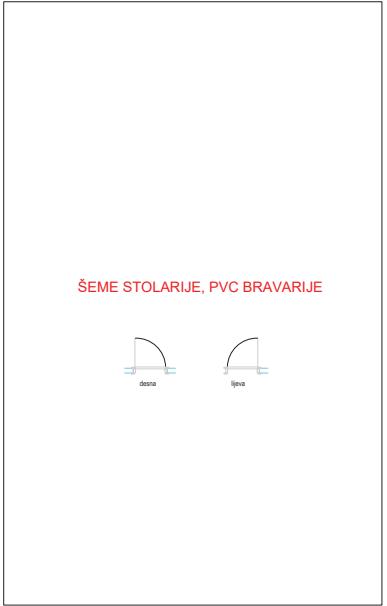


NORTH-EAST



NORTH-WEST

# DOORS AND WINDOWS SCHEME



Company: Al Mohandes d.o.o. Design & Engineering  
Adress: Blazujski drum 28, 71210 Ilidza  
Contact: +387(0)33 622 322  
Web: www.aldiyar-group.com

PROJECT TYPE: MAIN DESIGN  
INVESTOR: Al Suwaidi & Al Khaja d.o.o

PROJECT &  
LOCATION: Individual Family House  
Reljevo bb Novi Grad

ASSOCIATE  
DESIGNER: Emin Avdovic, dipl.ing. arh

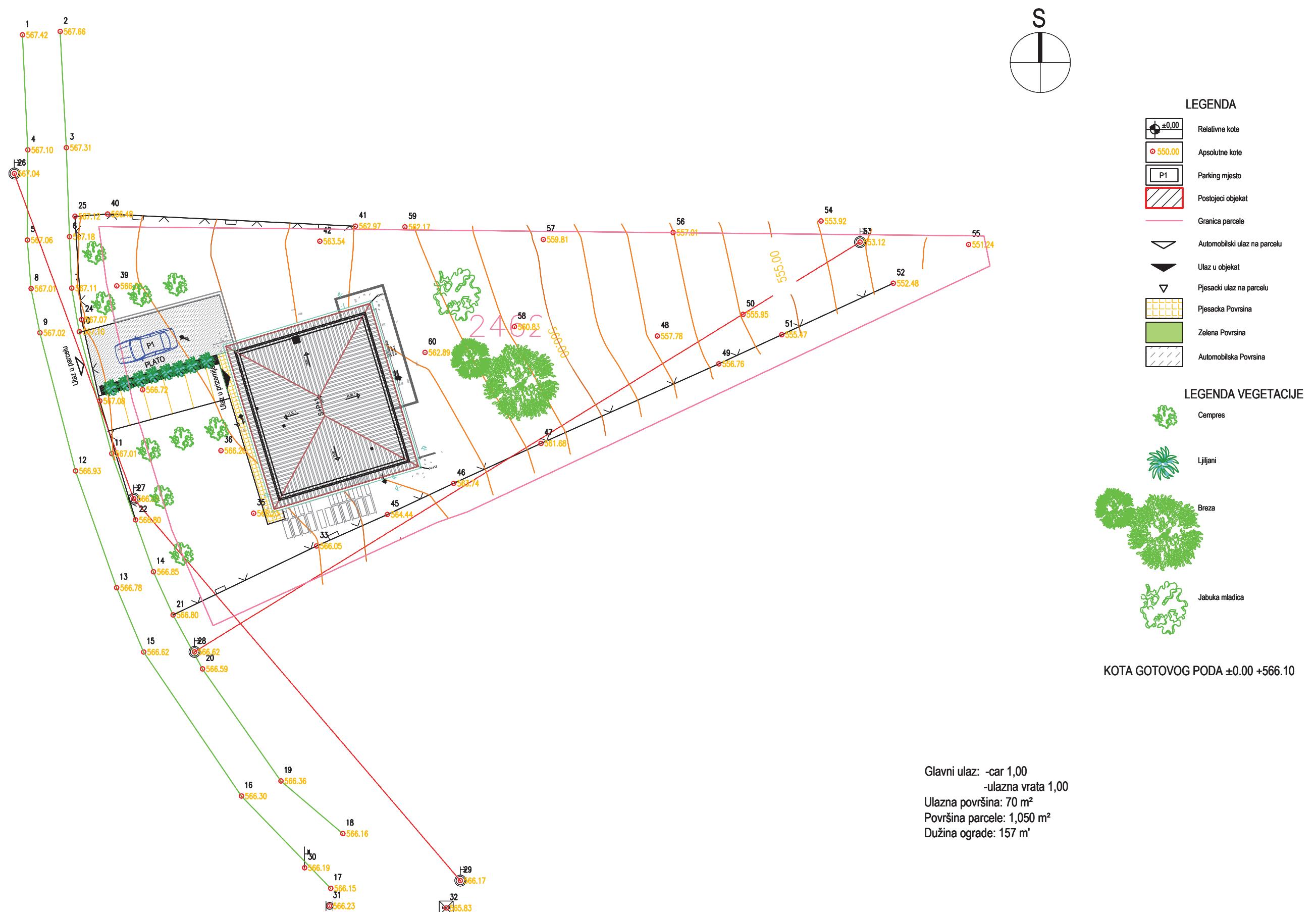
PHASES: Architecture  
DATE: 15.05.2017  
CODE: gl-0617A

TOTAL USEFUL SURFACE OF THE OBJECT NETO ...

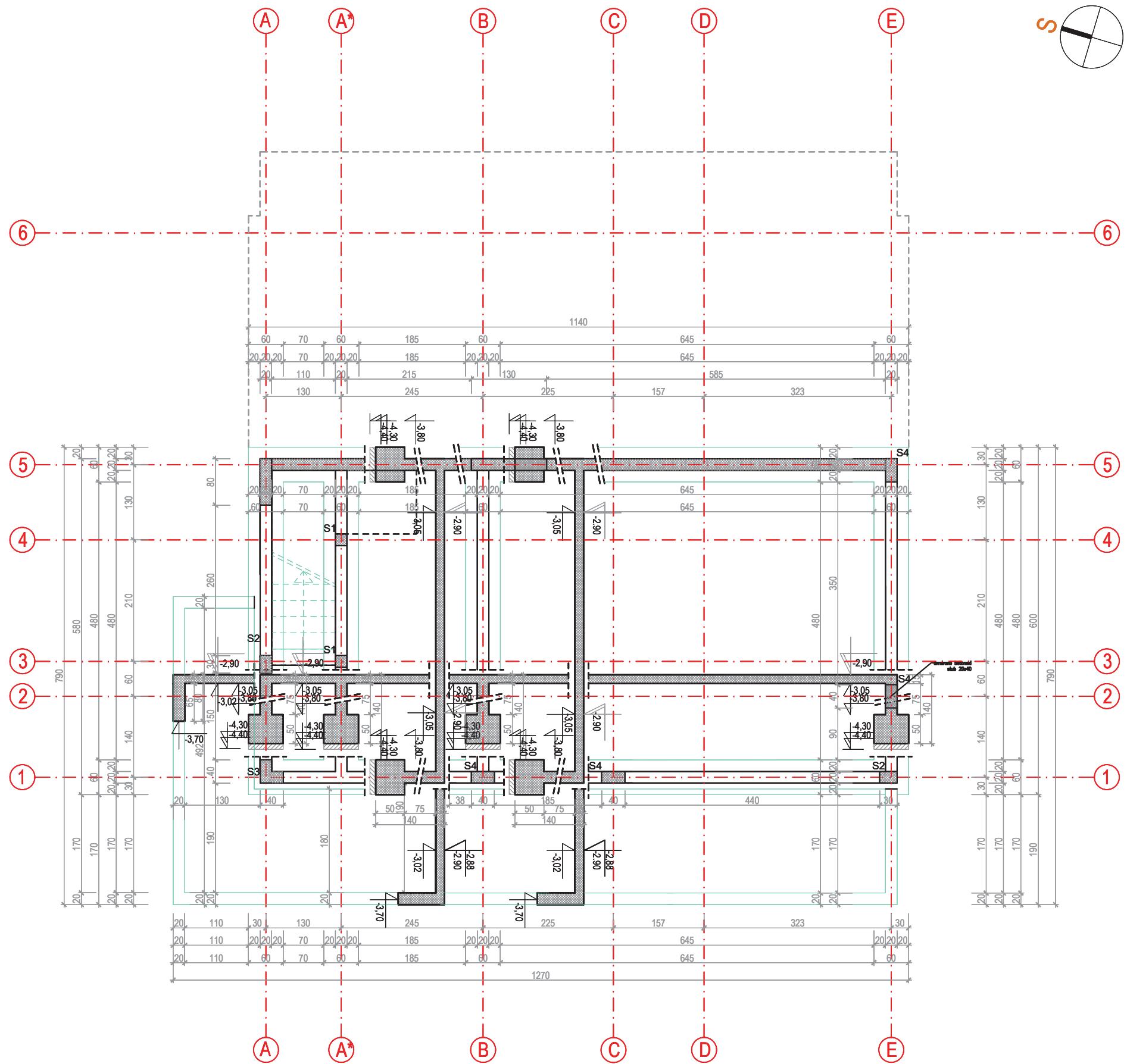
TOTAL NET: 259.31 m<sup>2</sup>  
TOTAL GROSS: 277.31 m<sup>2</sup>



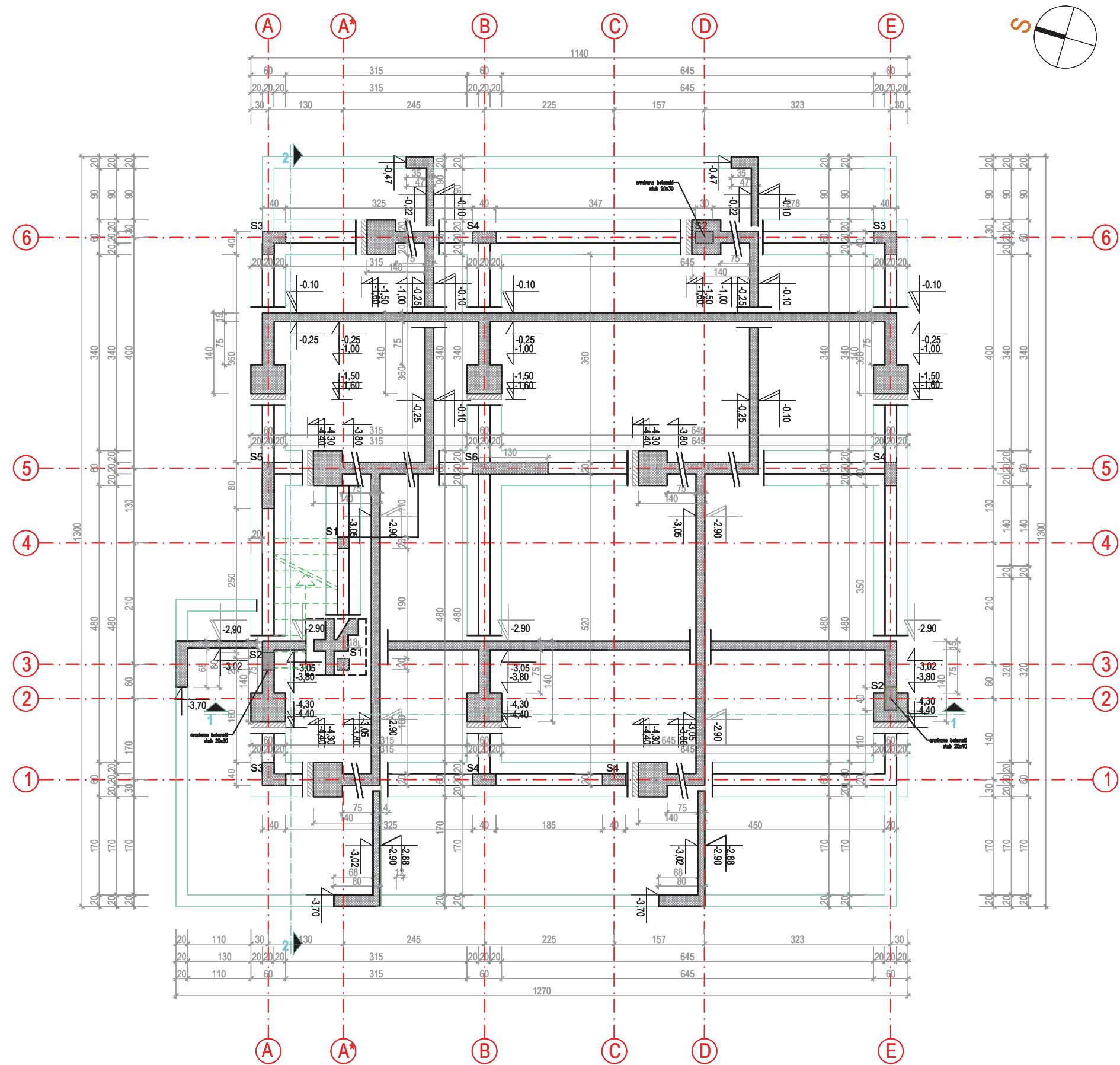
## SITE PLAN



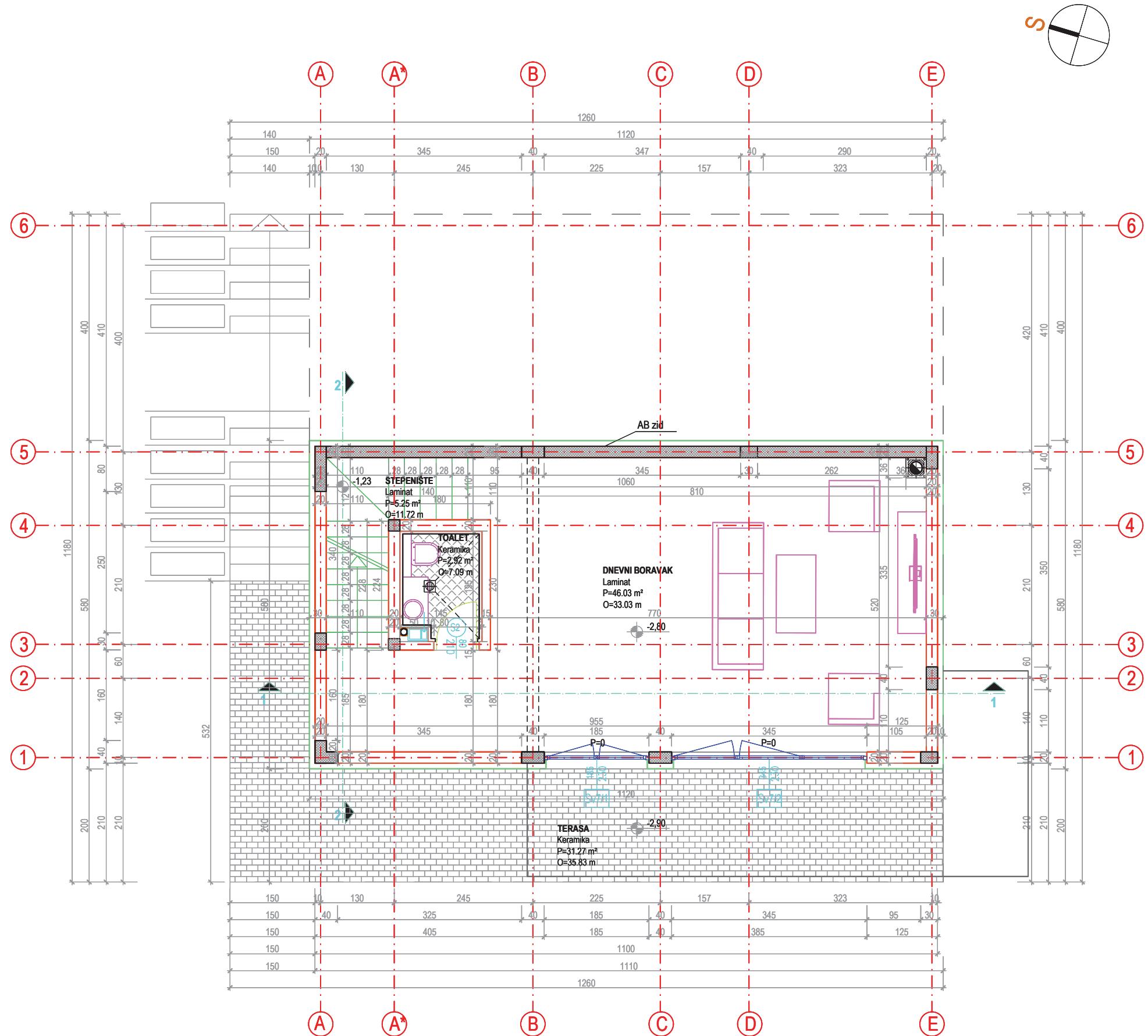
## FOUNDATION PLAN 1



## FOUNDATION PLAN 2



# BASEMENT FLOOR



## SUTEREN

Dnevni boravak	46,03 m <sup>2</sup>
Tolet	2,92 m <sup>2</sup>
Stepenište	5,25 m <sup>2</sup>
Terasa 50% površine)	31,27 m <sup>2</sup>

Površina suterena 54,20 m<sup>2</sup>

## PRIZEMLJE

Ulaz	4,82 m <sup>2</sup>
Tolet	3,07 m <sup>2</sup>
Balkon (25% površine)	19,44 m <sup>2</sup>
Dnevna soba&Trpezarija	55,19 m <sup>2</sup>
Kuhinja	8,64 m <sup>2</sup>
Vešeraj	2,92 m <sup>2</sup>
Spavaća soba	13,67 m <sup>2</sup>
Kupatilo	4,04 m <sup>2</sup>

Površina prizemlja 111,79 m<sup>2</sup>

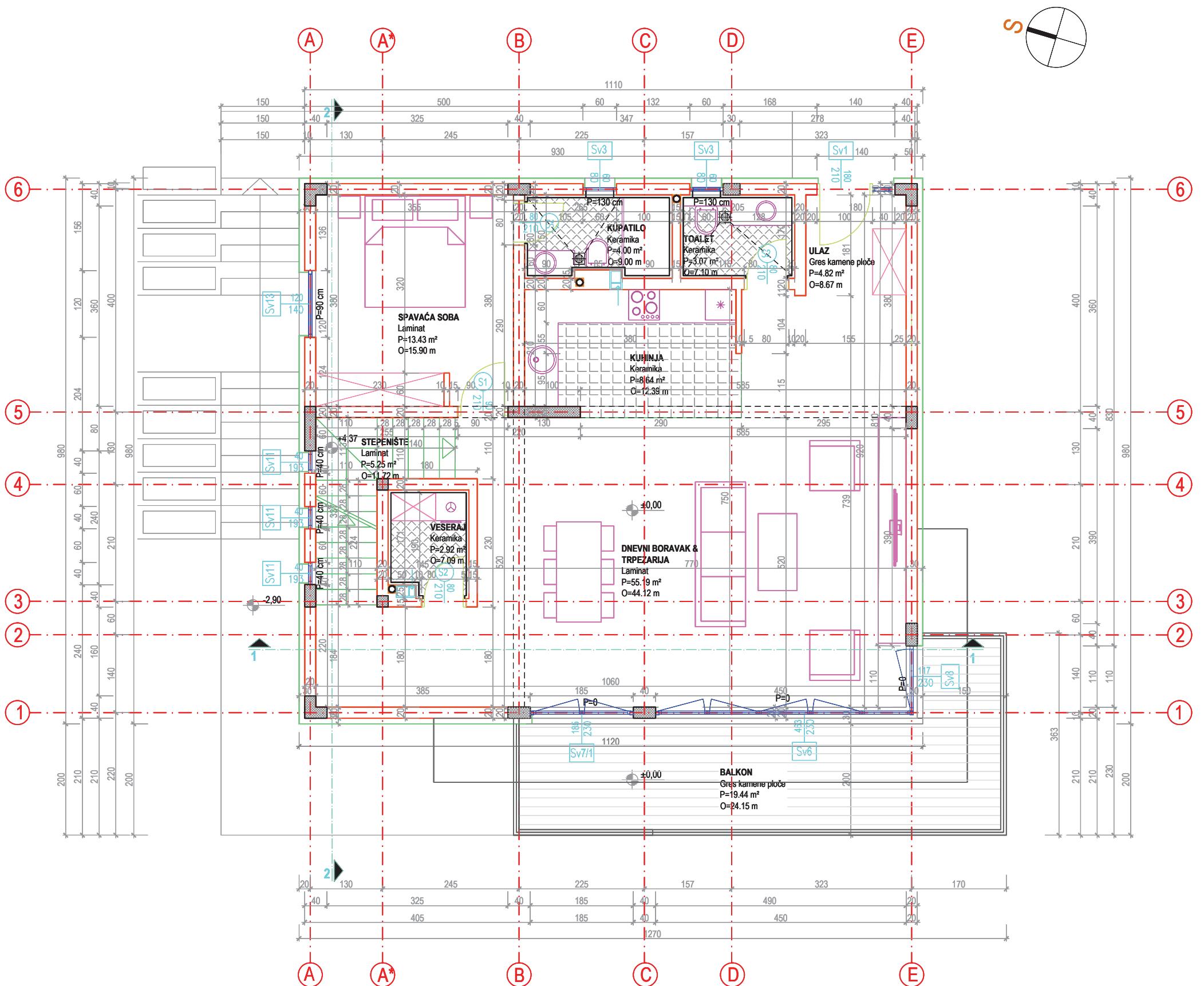
## I SPRAT

Hodnik	12,49 m <sup>2</sup>
Glavna spavaća soba 1	12,38 m <sup>2</sup>
Kupatilo	4,00 m <sup>2</sup>
Spavaća soba 2	13,68 m <sup>2</sup>
Kupatilo	5,47 m <sup>2</sup>
Glavna spavaća soba 2	14,89 m <sup>2</sup>
Kupatilo	3,88 m <sup>2</sup>
Ostava	2,34 m <sup>2</sup>
Balkon	17,00 m <sup>2</sup>

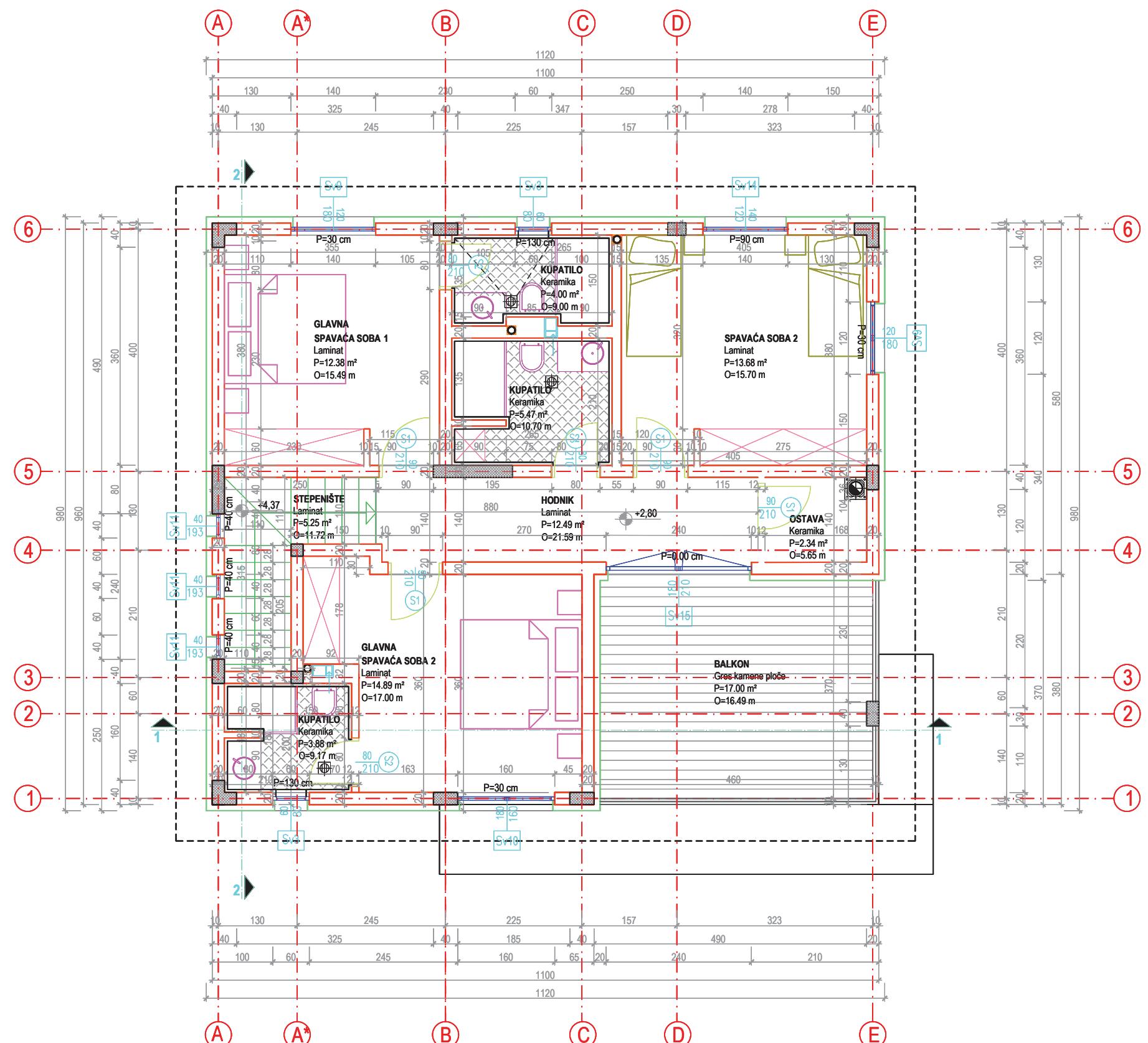
Površina sprata 86,13 m<sup>2</sup>

UKUPNO POVRŠINA OBJEKTA  
259,31 m<sup>2</sup>

# GROUND FLOOR



## FIRST FLOOR



<b>SUTEREN</b>	
Dnevni boravak	46,03 m <sup>2</sup>
Toalet	2,92 m <sup>2</sup>
Stepenište	5,25 m <sup>2</sup>
Terasa 50% površine)	31,27 m <sup>2</sup>

Površina suterena

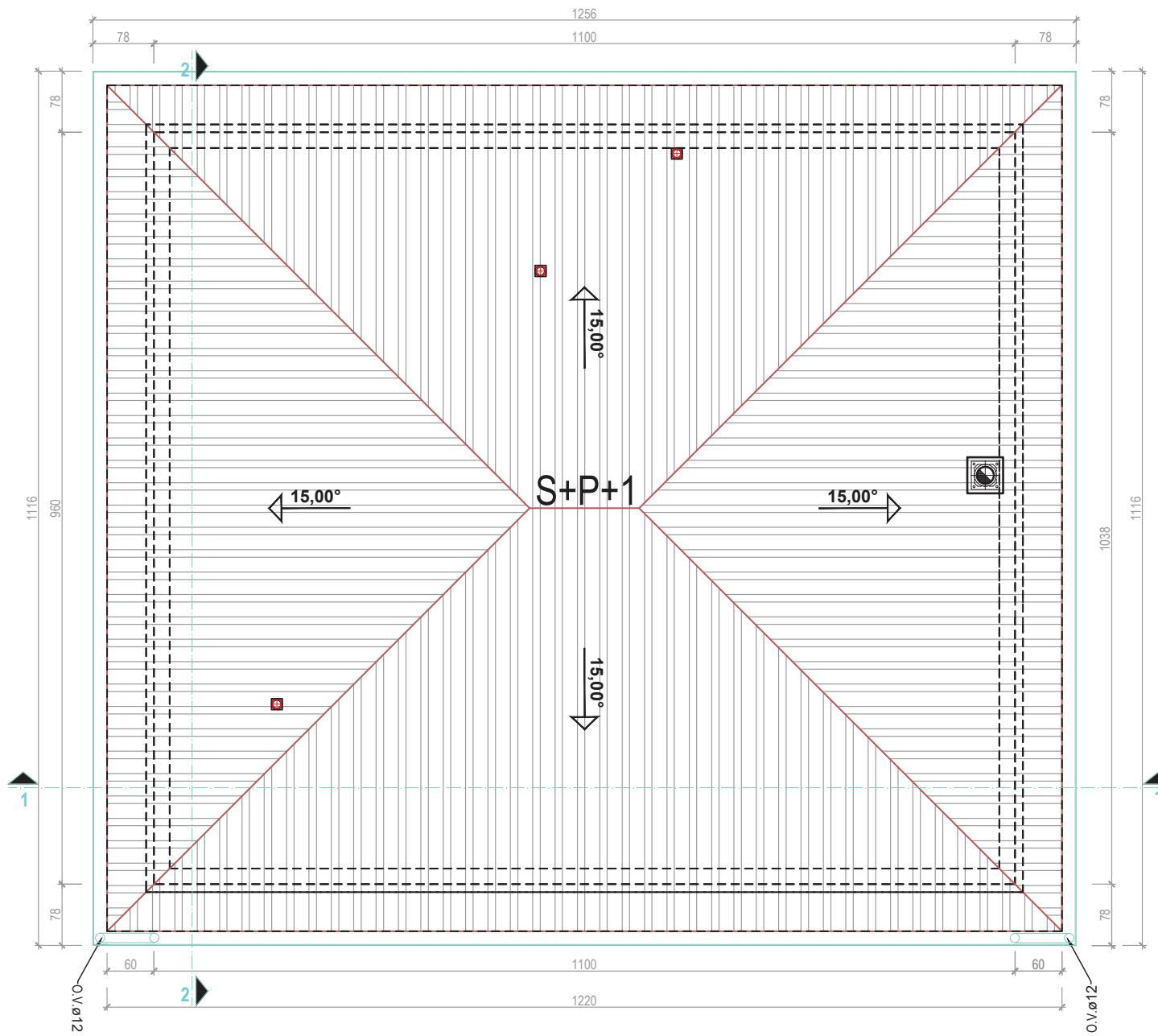
<b>PRIZMELJE</b>	
Ulaz	4,82 m <sup>2</sup>
Toalet	3,07 m <sup>2</sup>
D Balkon (25% površine)	19,44 m <sup>2</sup>
Dnevna soba&Trpezarija	55,19 m <sup>2</sup>
Kuhinja	8,64 m <sup>2</sup>
Vešeraj	2,92 m <sup>2</sup>
Spavača soba	13,67 m <sup>2</sup>
Kupatilo	4,04 m <sup>2</sup>

**Površina prizemlja**

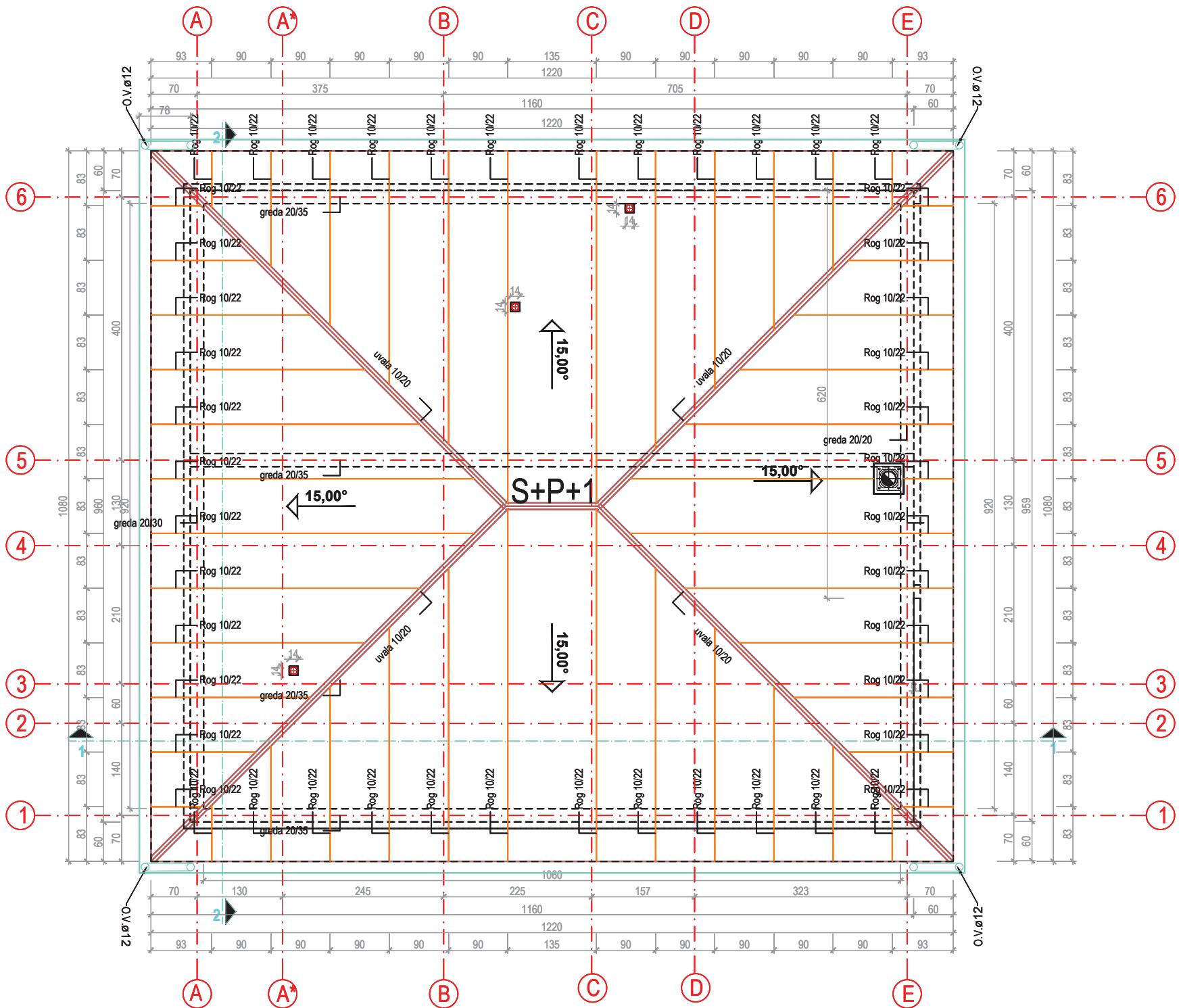
<b>I SPRAT</b>	
Hodnik	12,49 m <sup>2</sup>
Glavna spavaća soba 1	12,38 m <sup>2</sup>
Kupatilo	4,00 m <sup>2</sup>
Spavaća soba 2	13,68 m <sup>2</sup>
Kupatilo	5,47 m <sup>2</sup>
Glavna spavaća soba 2	14,89 m <sup>2</sup>
Kupatilo	3,88 m <sup>2</sup>
Ostava	2,34 m <sup>2</sup>
Balkon	17,00 m <sup>2</sup>

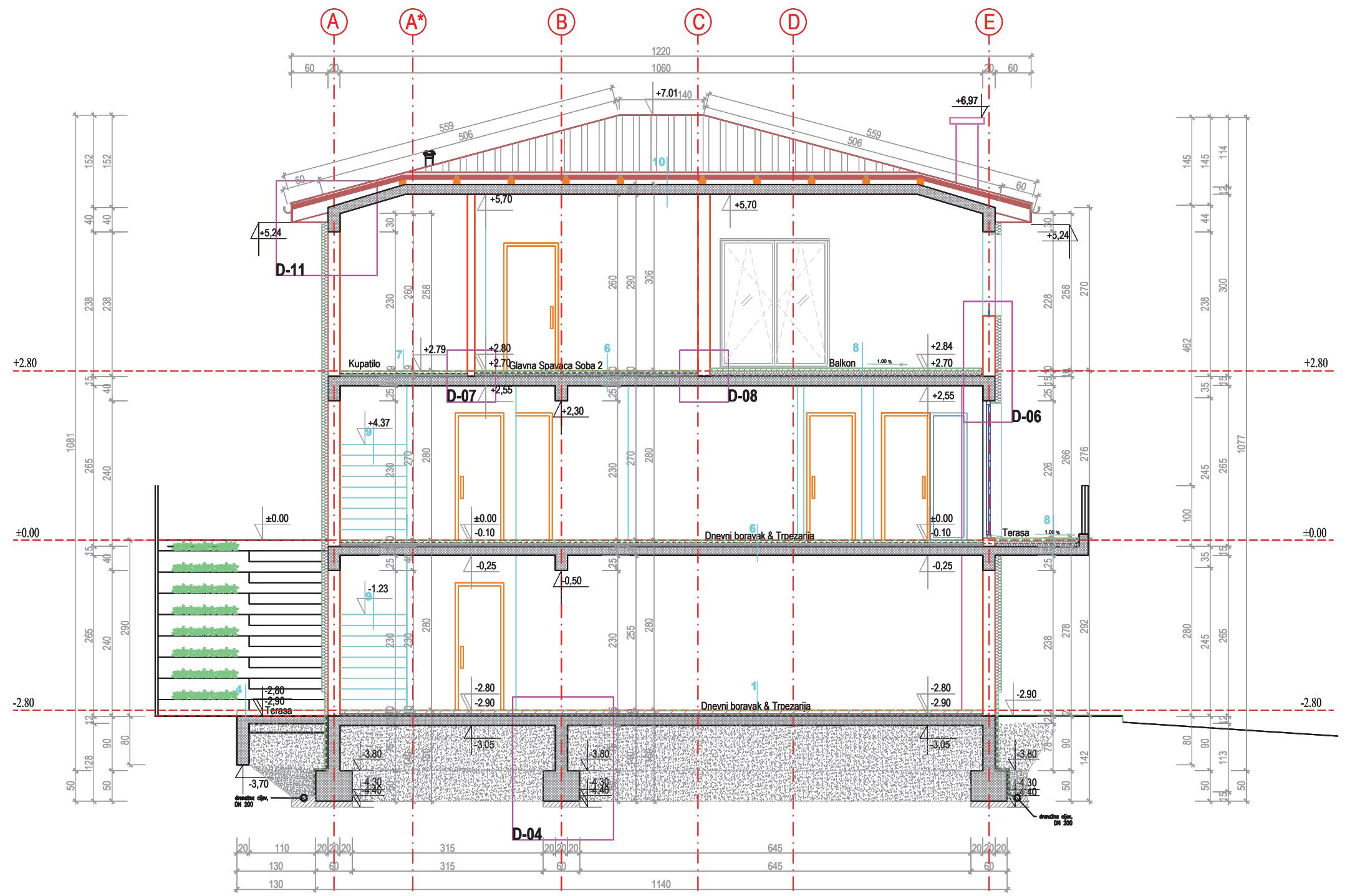
**UKUPNO POVRŠINA OBJEKTA**  
..... 259.31 m<sup>2</sup>

## ROOF PLAN

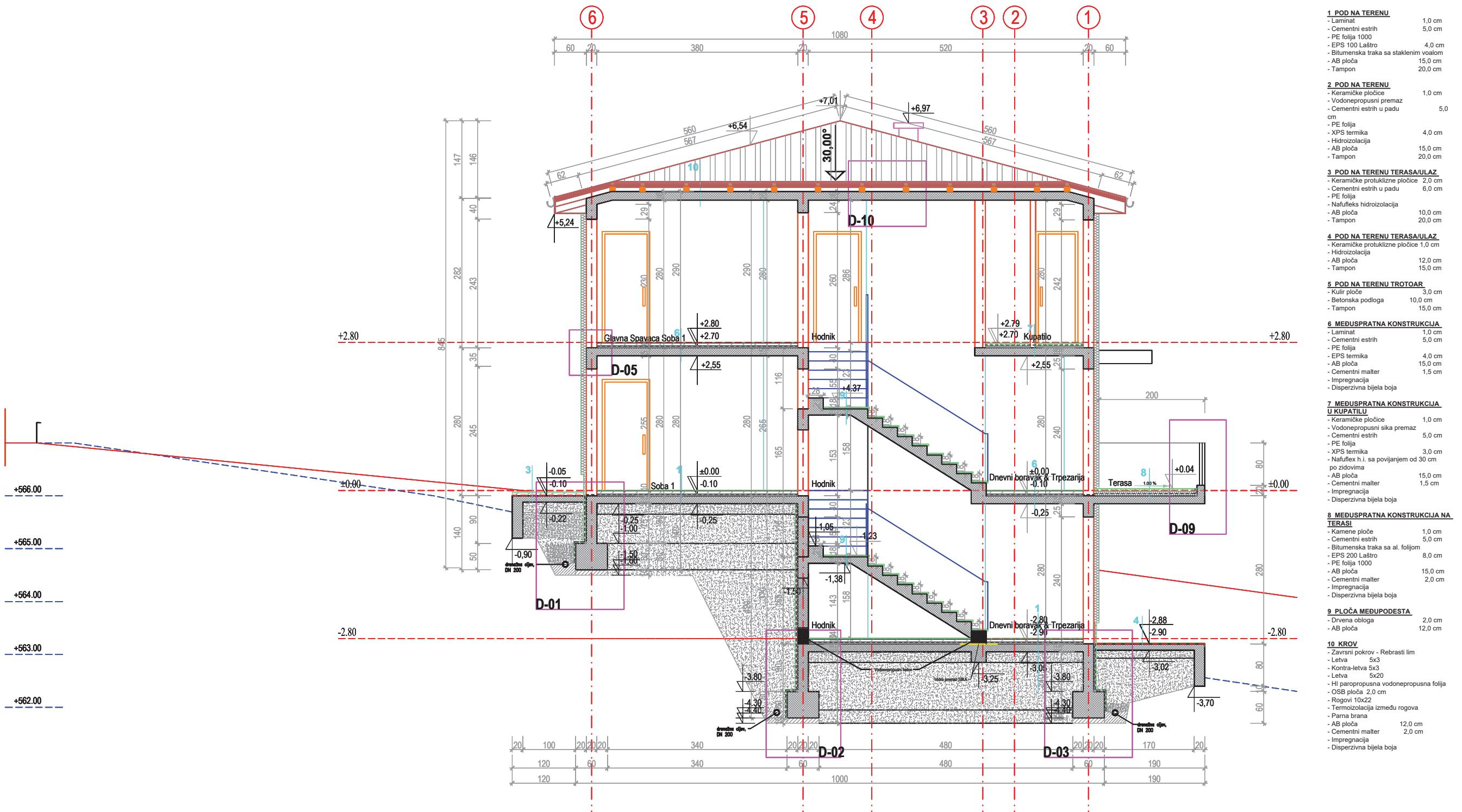


## ROOF CONSTRUCTION



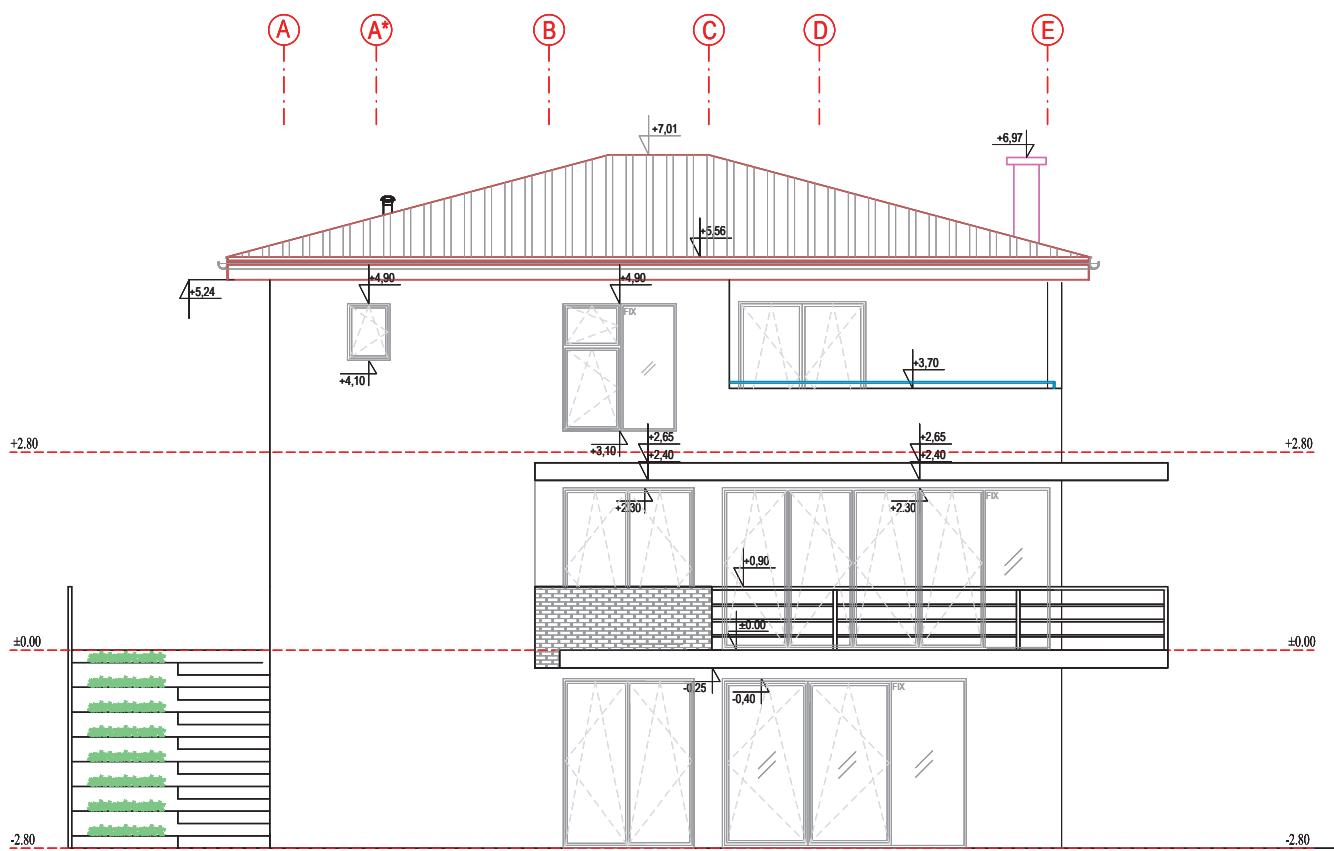


## SECTION 2-2

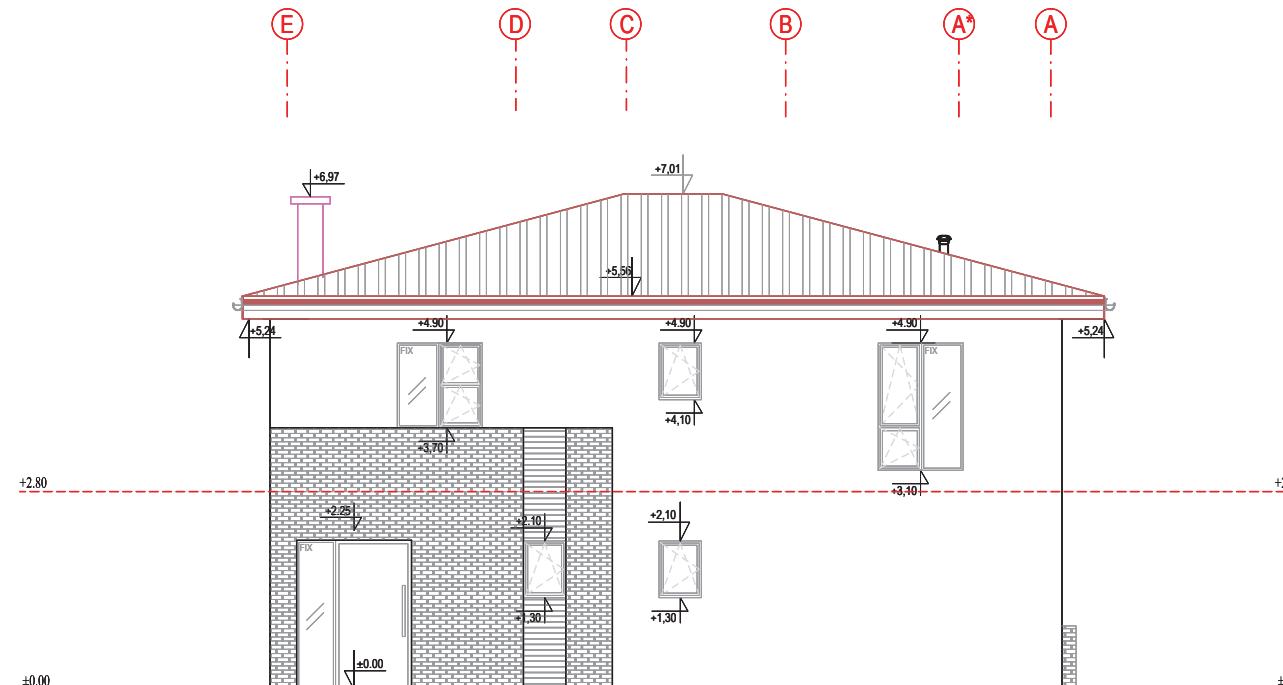


## FACADE VIEWS

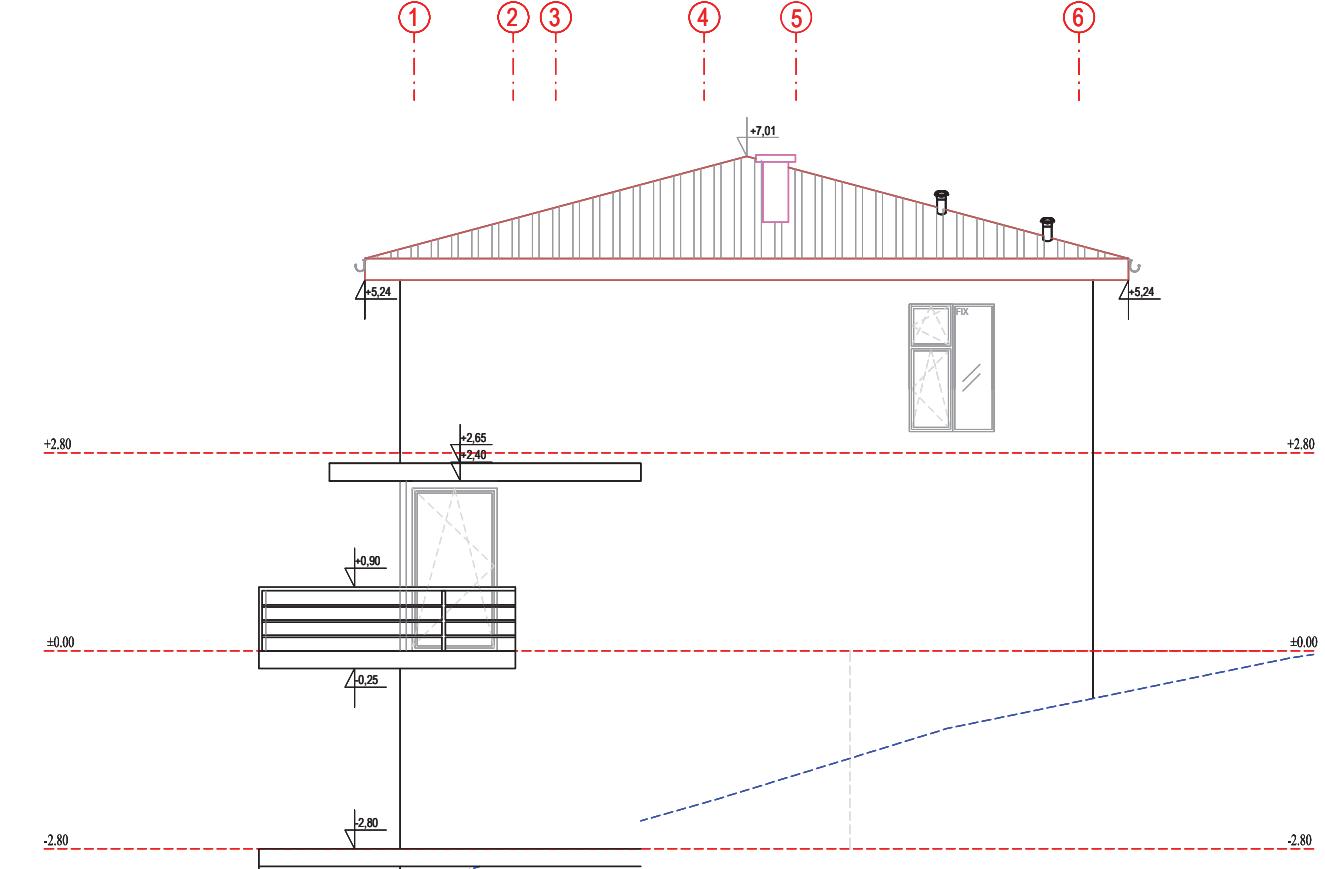
## SOUTH - WEST



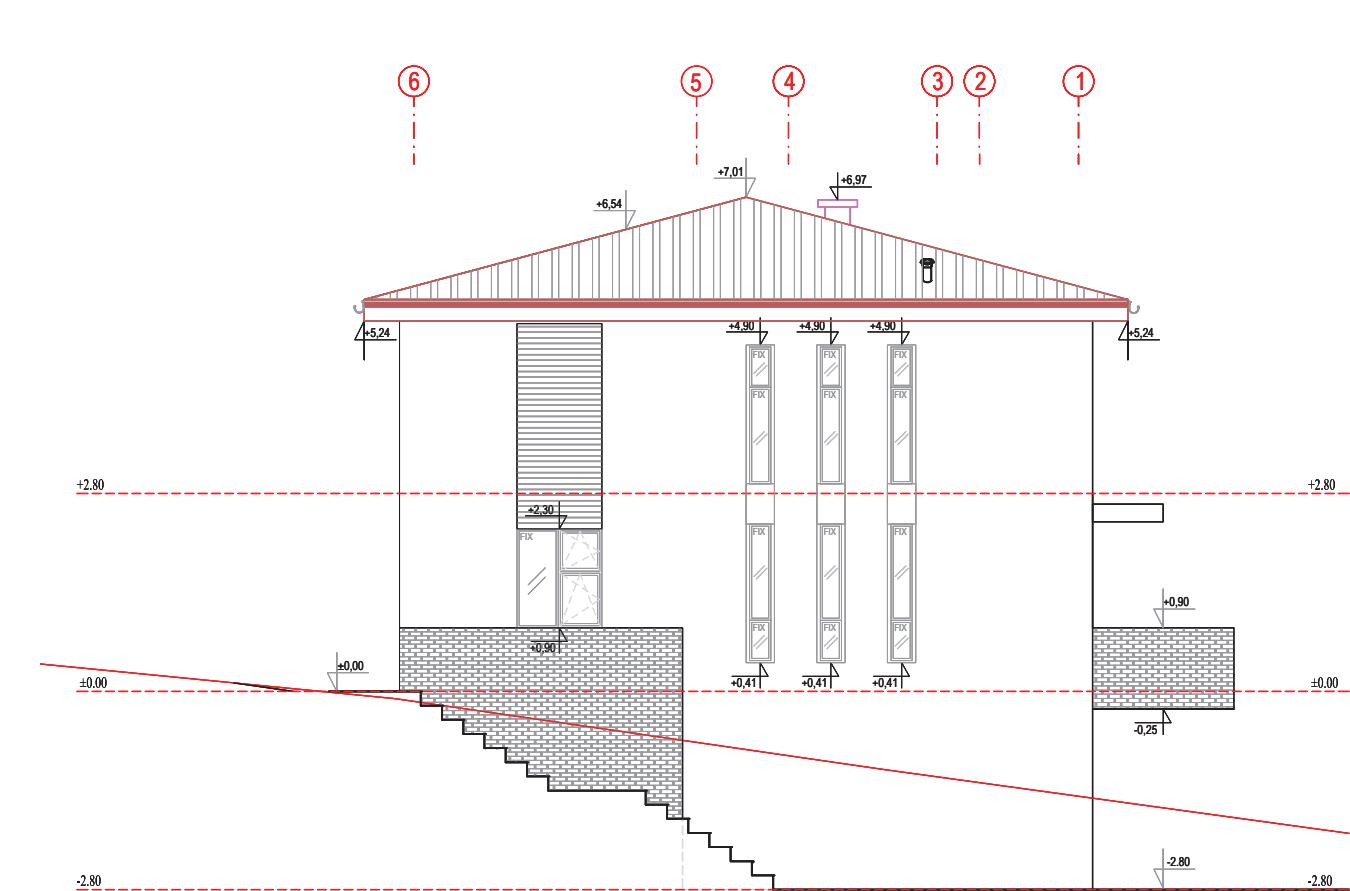
## NORTH - EAST



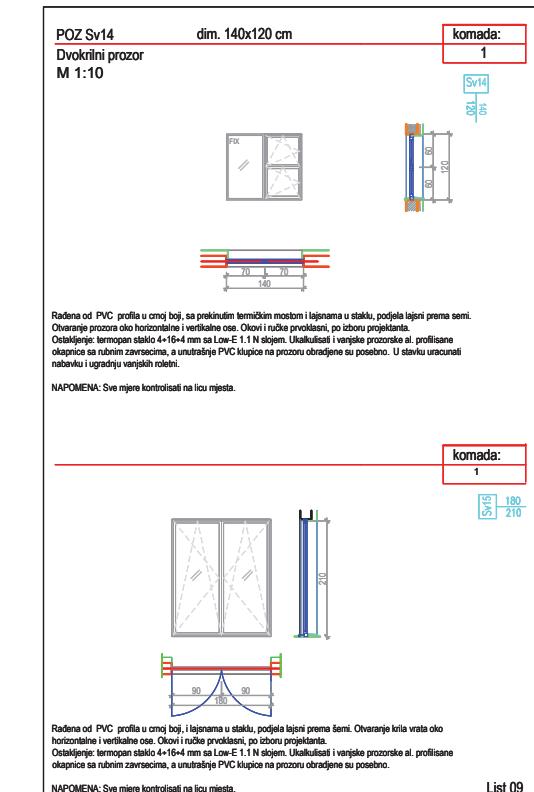
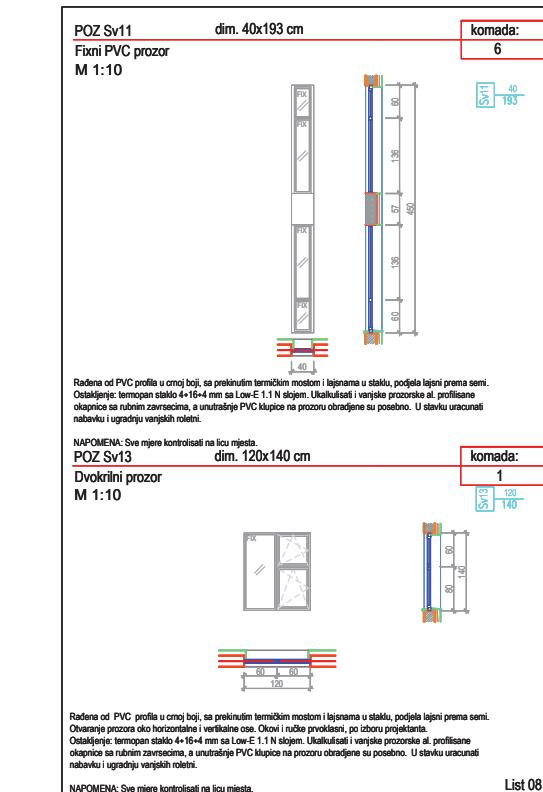
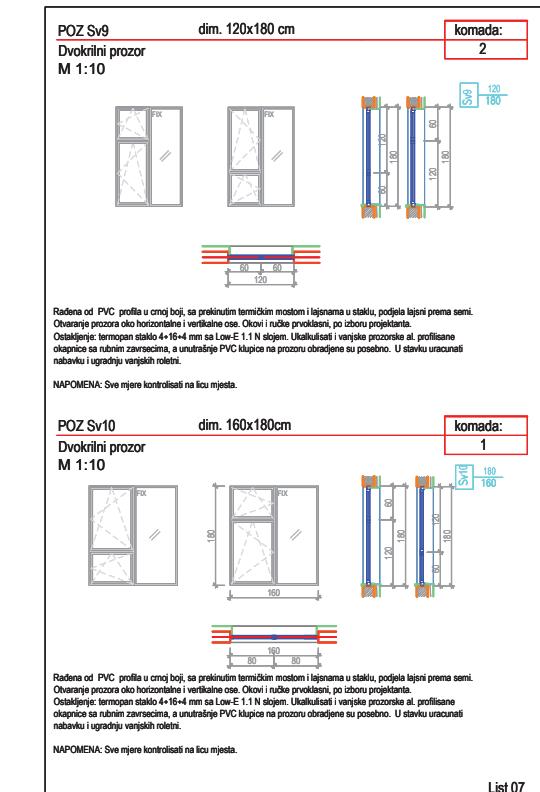
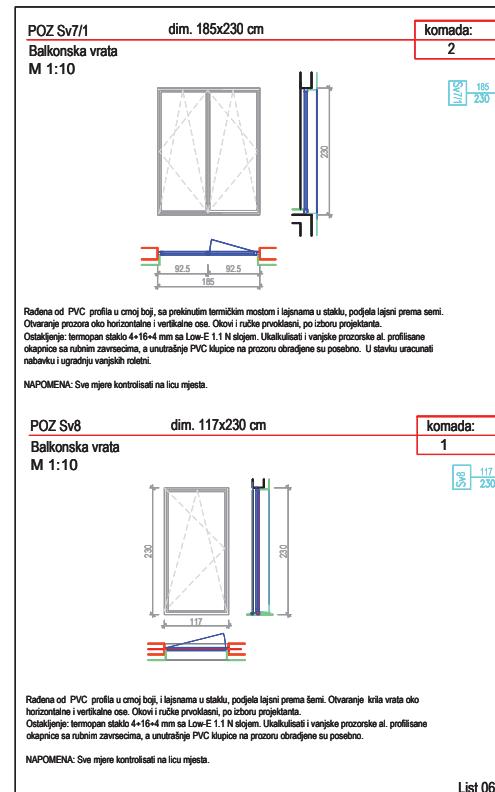
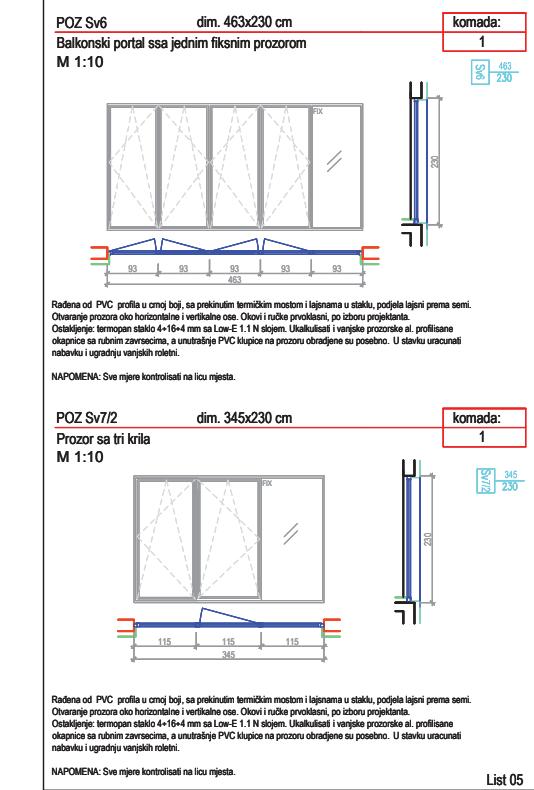
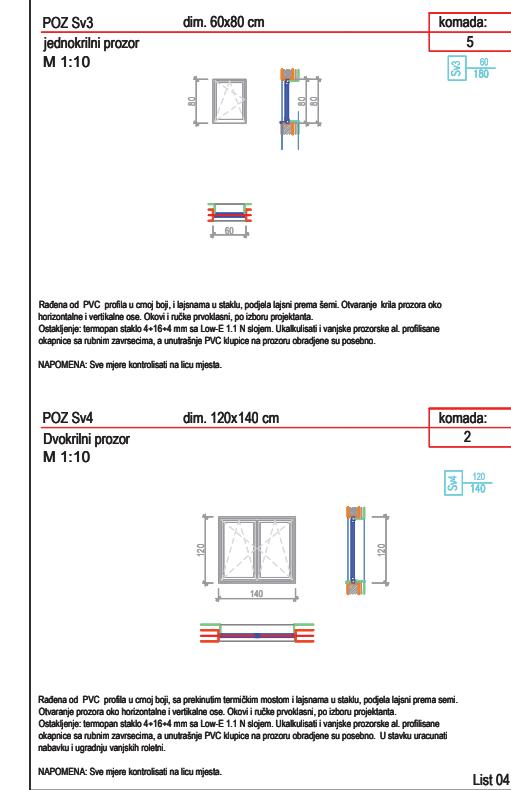
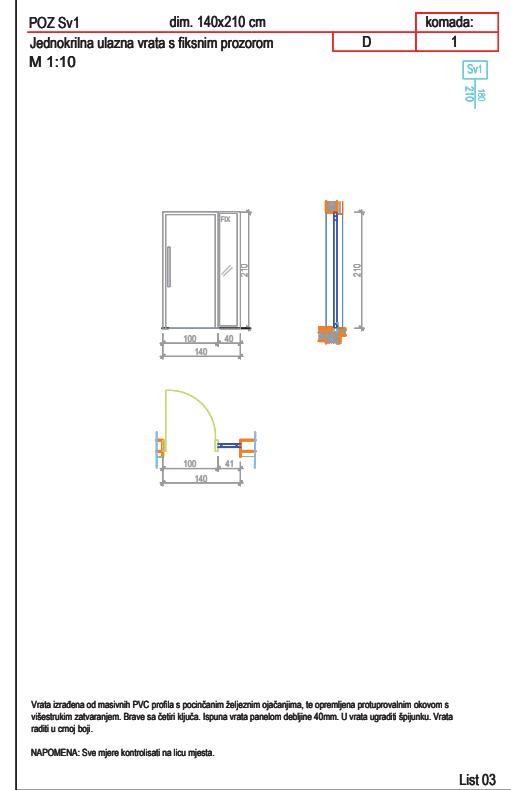
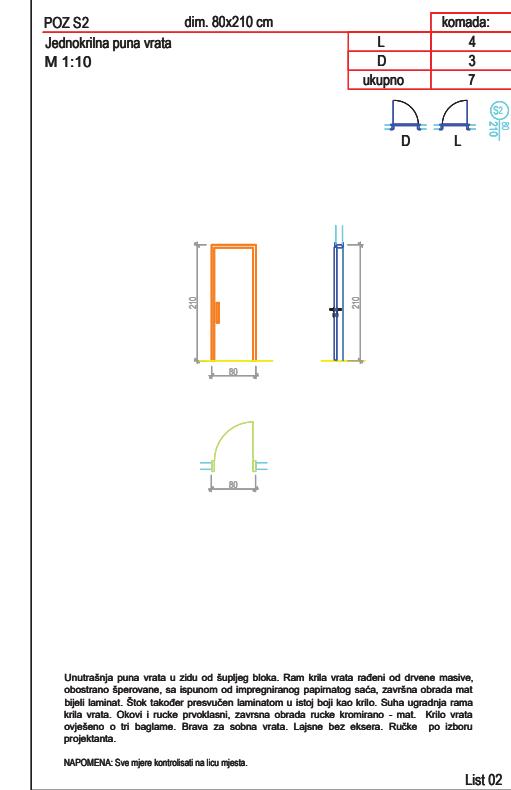
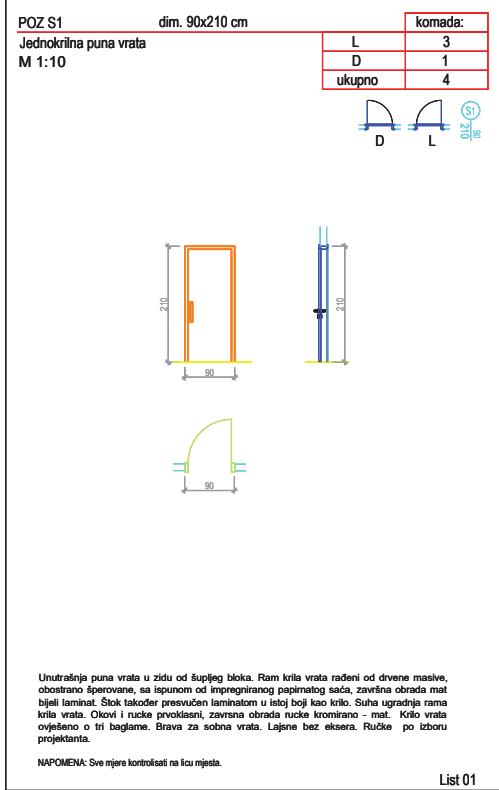
SOUTH - EAST



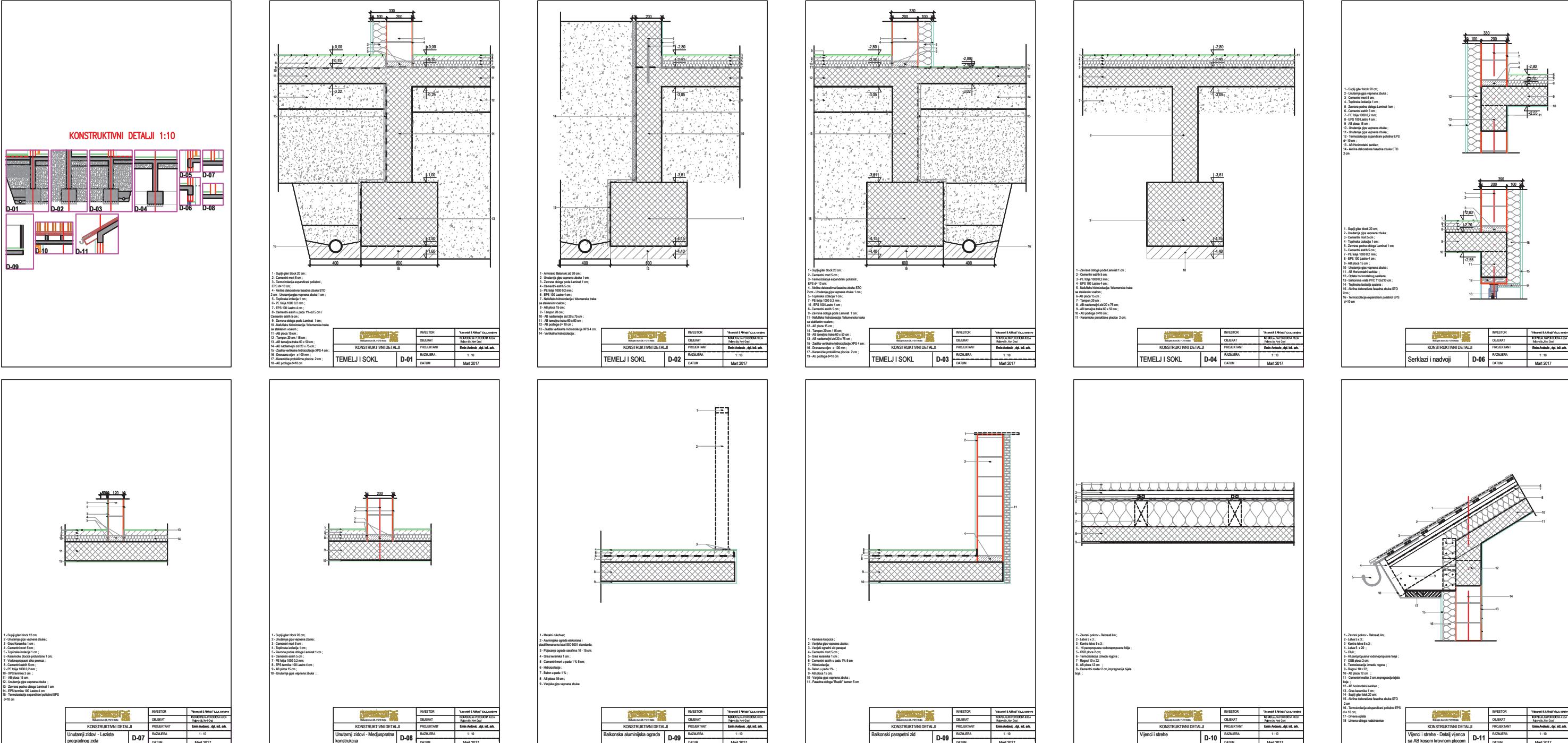
NORTH - WEST



# WINDOWS AND DOORS SCHEME



# CONSTRUCTION DETAILS



T H A N K   Y O U

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