



ARCHITECTURE STUDENT CONTEST
20th INTERNATIONAL EDITION, NORD ISÈRE 2025

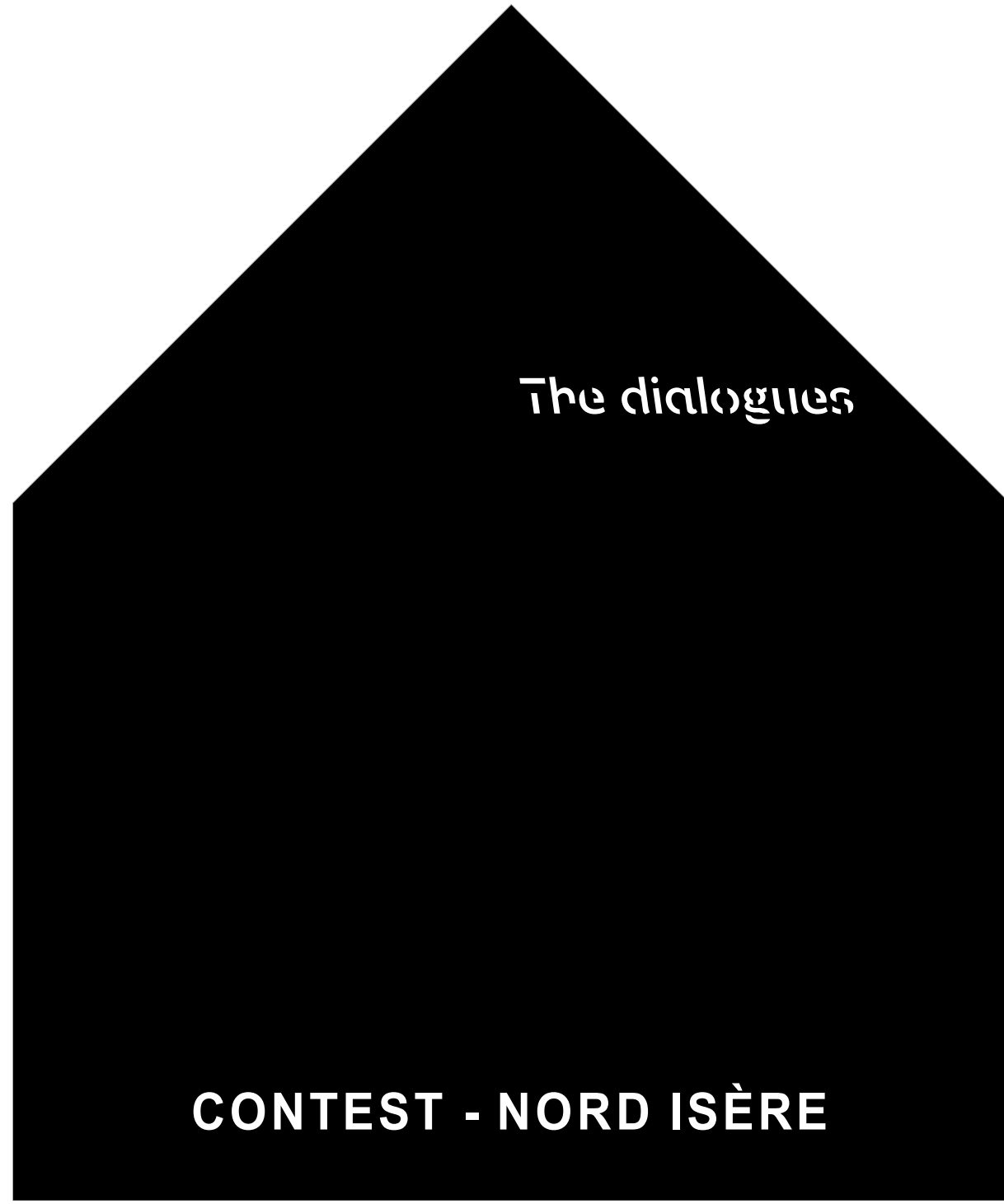
Faculty of Architecture, University of Zagreb
Full professor Ph.D. Alenka Delić, M. Arch. :: Team #13



Student: Ivana Salopek

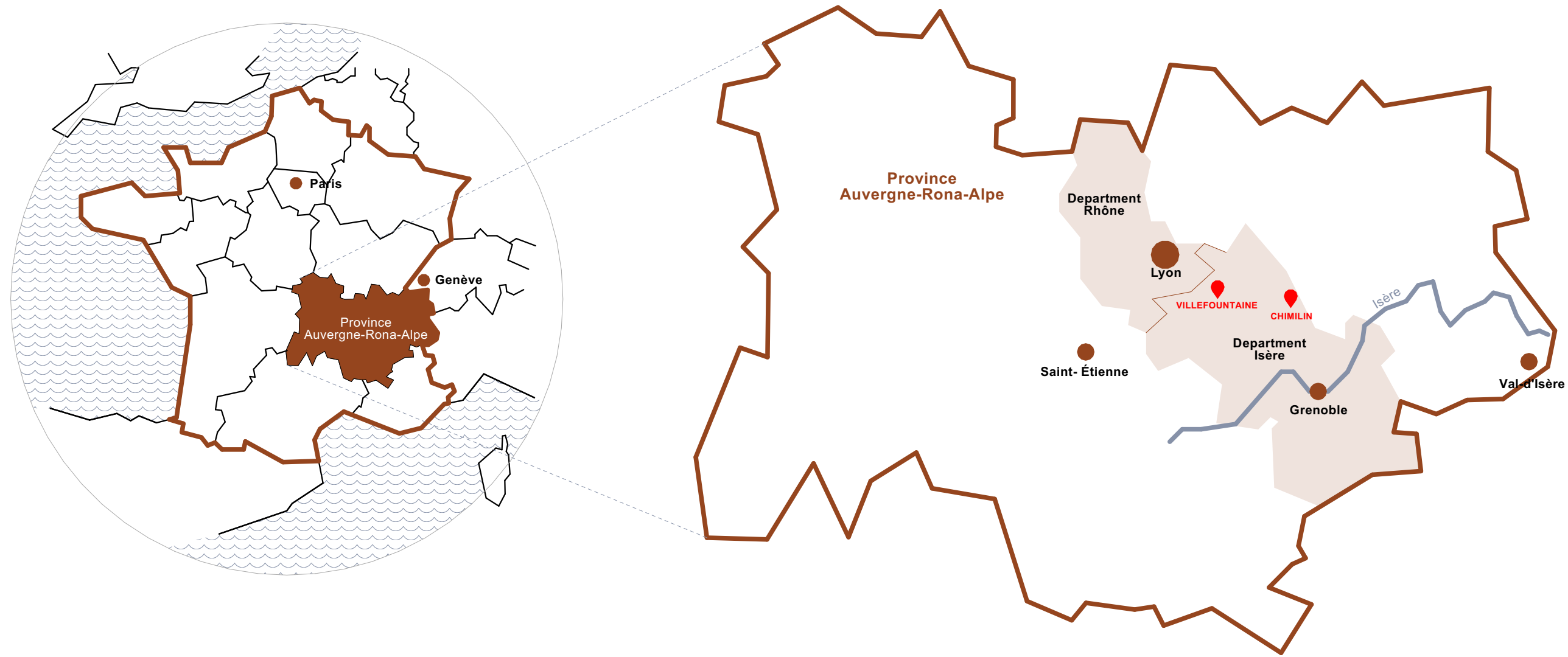
Architecture Student Contest
THE DIALOGUES :: Team #13 :: 20th International Edition, NORD ISÈRE 2025





The dialogues

The project is grounded in the concept of dialogue, wherein two dislocated sites establish a mutual connection through shared formal characteristics. This interaction manifests not only in the visual realm but also in the interplay between heritage and contemporary architectural interventions and materials. Architecture is viewed here as a subjective expression, the result of introspective research, questioning, and experimentation. The solution integrates personal reflections, memories, symbolic elements, and archetypal forms, aiming to create an innovative space. The archetypal form of the house serves as a reference to the primary, memorized form, symbolizing a safe place of appropriate scale. Within this architectural matrix, multiple usage scenarios are developed, emphasizing flexibility, tolerance, inclusiveness, and openness, thereby positioning architecture as a metaphor for social ideals. Through its layered complexity, the project transcends mere functional composition, becoming a socially engaged discourse.



Province Auvergne-Rhône-Alpe - Key facts

Capital: Lyon
Population: Approximately 8 million
Area: 86,012 square kilometers
Departments: Ain, Allier, Ardèche, Cantal, Drôme, Haute-Loire, Haute-Saône, Isère, Jura, Loire, Puy-de-Dôme, Rhône, Savoie, and Haute-Savoie
Major cities: Lyon, Grenoble, Saint-Étienne, Clermont-Ferrand, Valence, Annecy, Chambéry
Economy: The region's economy is diverse, with strengths in manufacturing, services, tourism, and agriculture.
Culture: rich cultural heritage, with influences from Celtic, Roman, and medieval times
Geography: mountainous terrain, including the Auvergne Massif and the Rhône Alps. It is also home to several lakes, rivers, and national parks.

- 2nd-largest region by area
- 3rd largest region by population

CONTEST - NORD ISÈRE

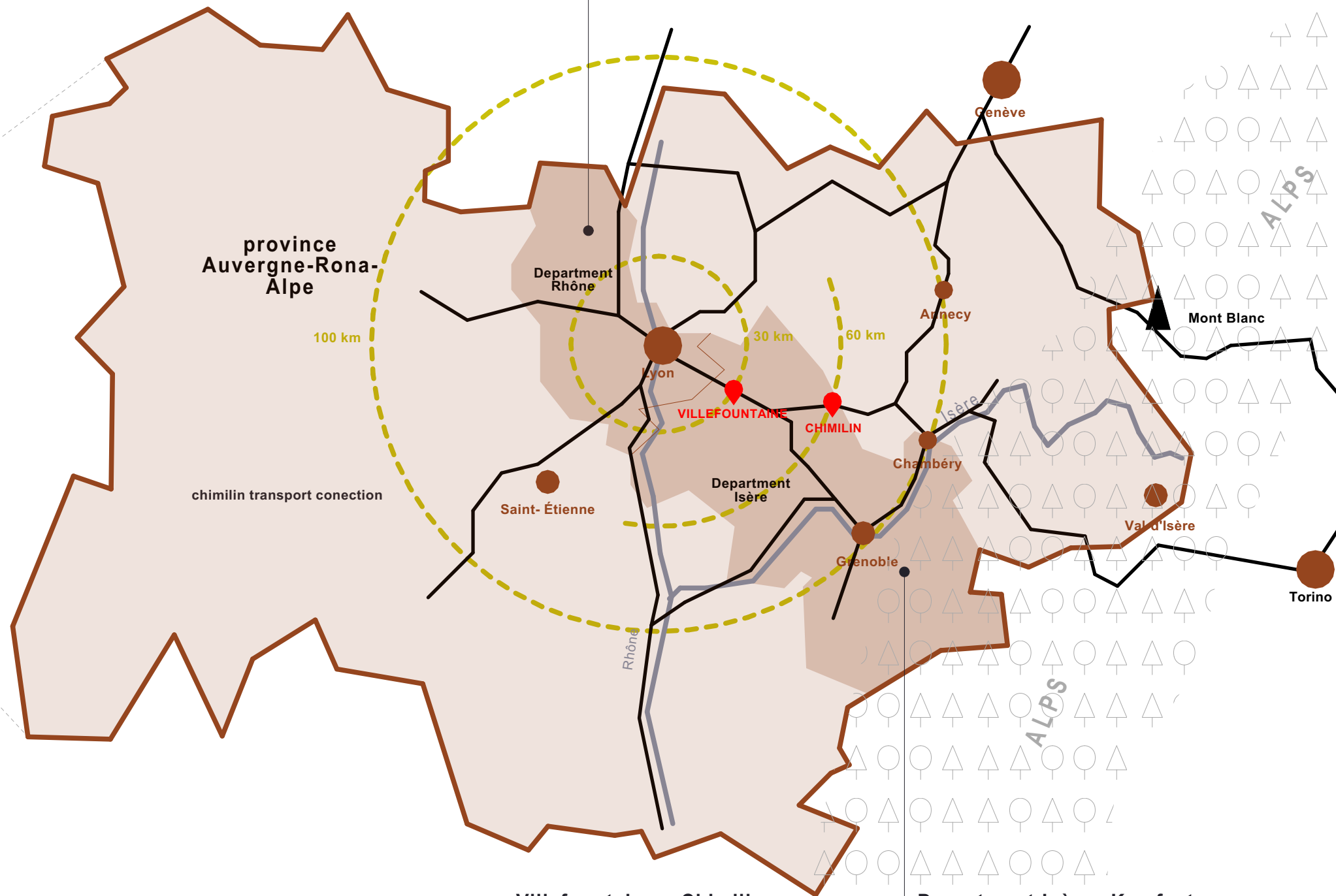
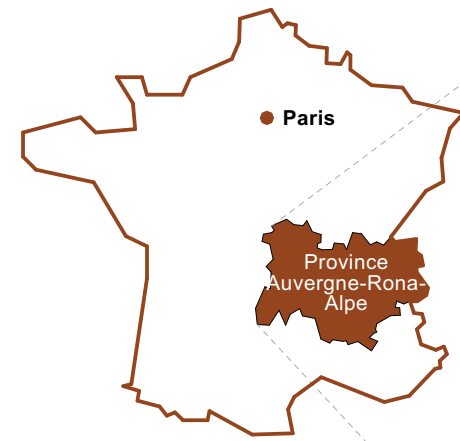
REGIONAL CONTEXT

Department Rhône - Key facts

Capital: Lyon
 Population: Approximately 2.2 million
 Area: 3,788 square kilometers

Department Isère - Key facts

Capital: Grenoble
 Population: Approximately 1.3 million
 Area: 5,779 square kilometers



Villefontaine - Lyon

TRAIN - NO DIRECT TRAIN SERVICE
 • approximately 1 hour, including transfers, via La Verpillière
HIGHWAY A43
 27 km, approximately 30 minutes

Villefontaine - Grenoble

TRAIN - NO DIRECT TRAIN SERVICE
 • approximately 1 hour, including transfers, via La Verpillière
HIGHWAY A48
 77 km, approximately 50 minutes

Villefontaine - Chimilin

TRAIN - NO TRAIN SERVICE
 by car : 40 km -30 min

Chimilin - Lyon

TRAIN
 • route Lyon to Chambéry
 • Length: 62 kilometers (39 miles)
 • Stations: 14
 • Travel time: Approximately 1 hour 30 minutes
 • Frequency: Several trains per day
HIGHWAY A43
 80 km, approximately 60 minutes

Chimilin - Grenoble

TRAIN - NO DIRECT TRAIN SERVICE
 • approximately 2 hours and 19 minutes, including transfers
HIGHWAY A43 + a48
 80 km, approximately 52 minutes

Architecture Student Contest
THE DIALOGUES :: Team #13 :: 20th International Edition, NORD ISÈRE 2025

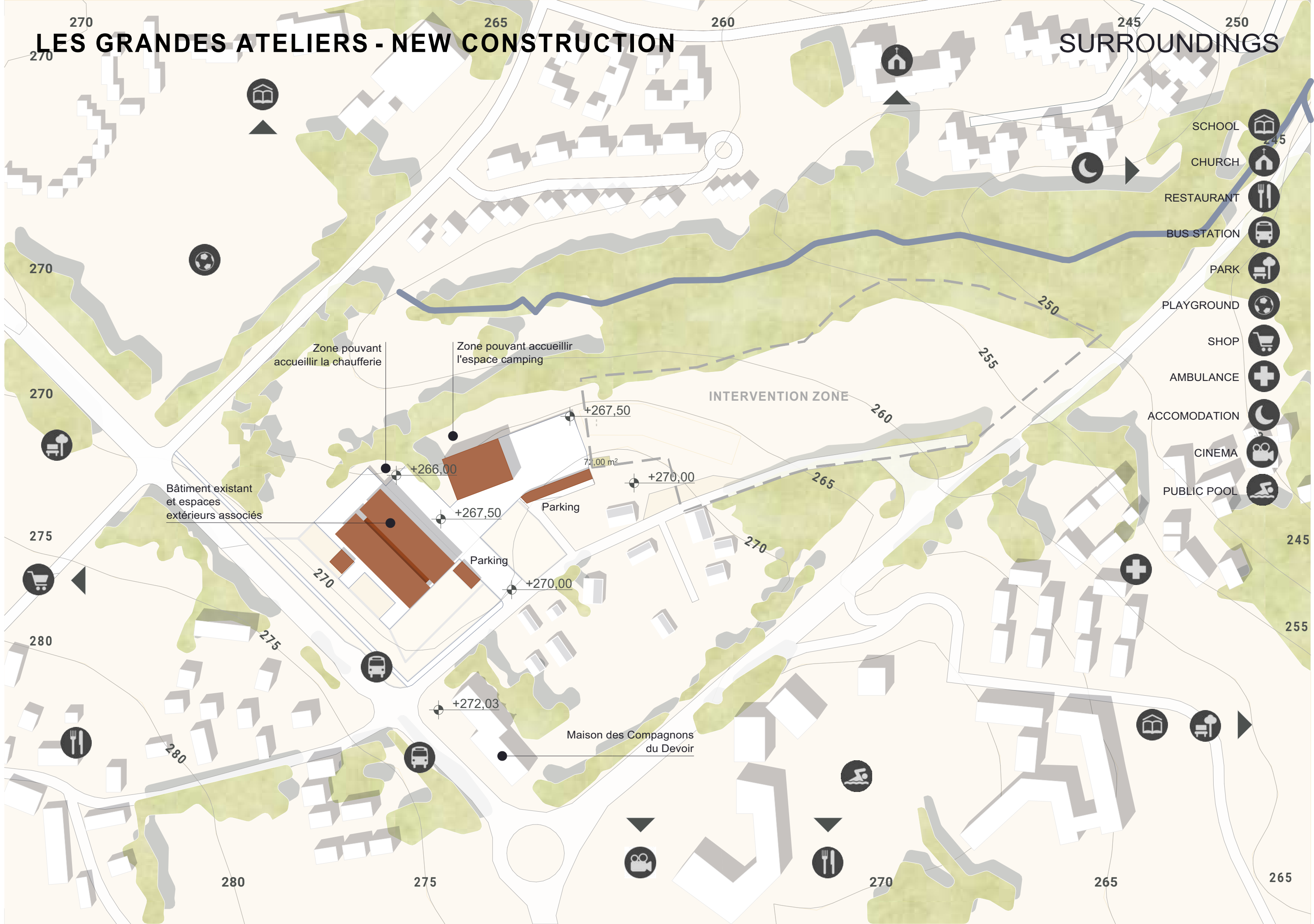






LES GRANDES ATELIERS - NEW CONSTRUCTION

SURROUNDINGS



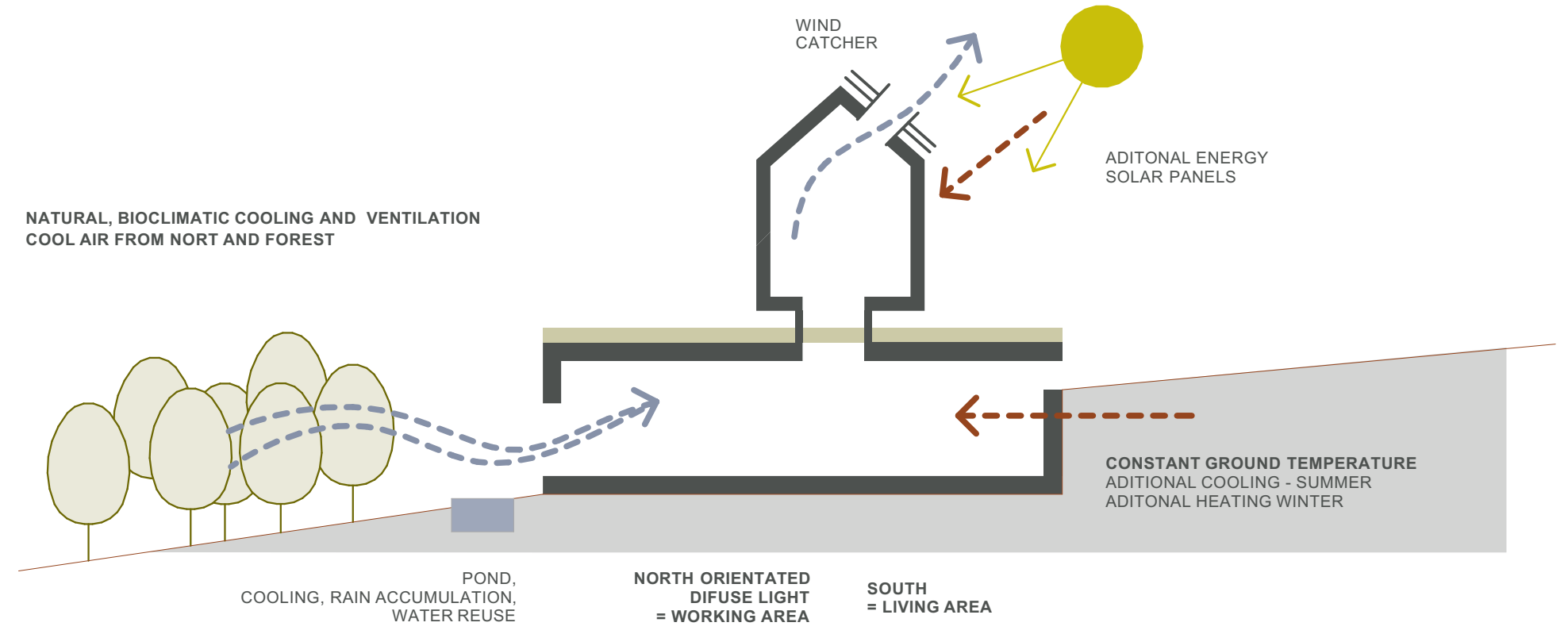
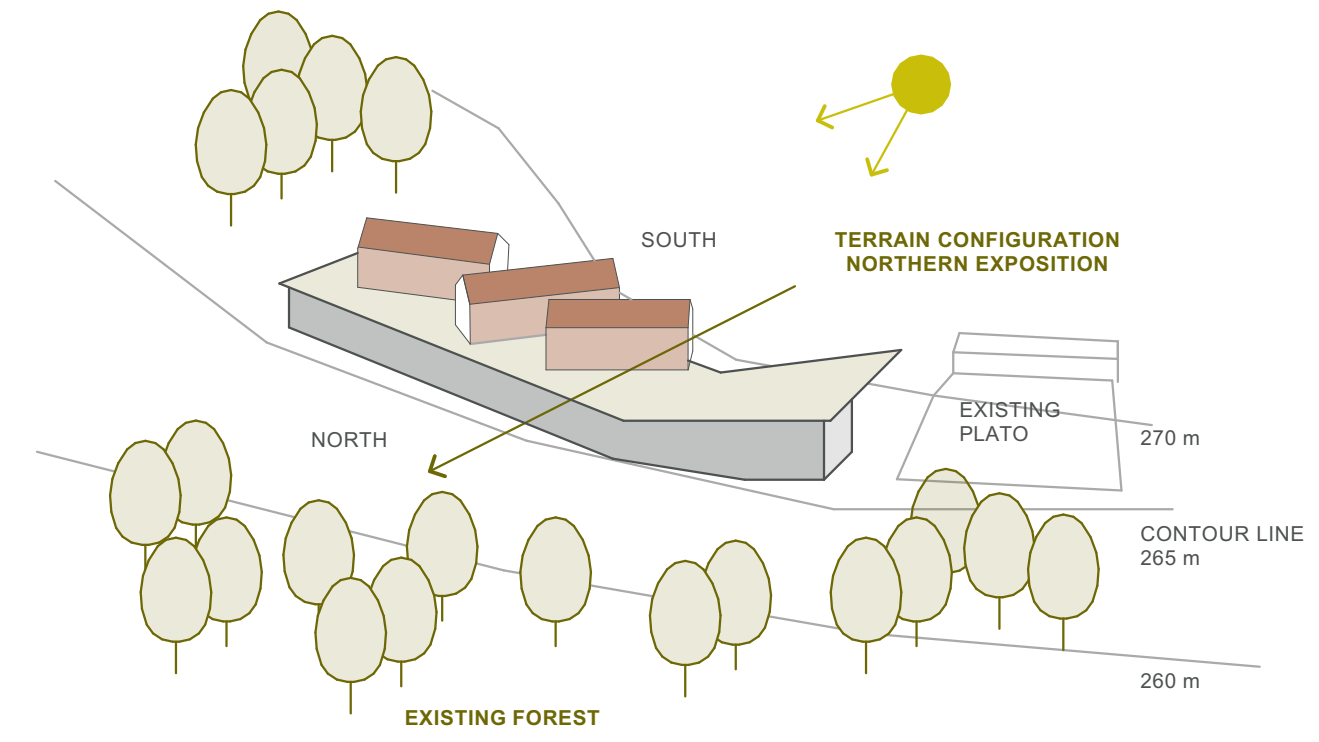
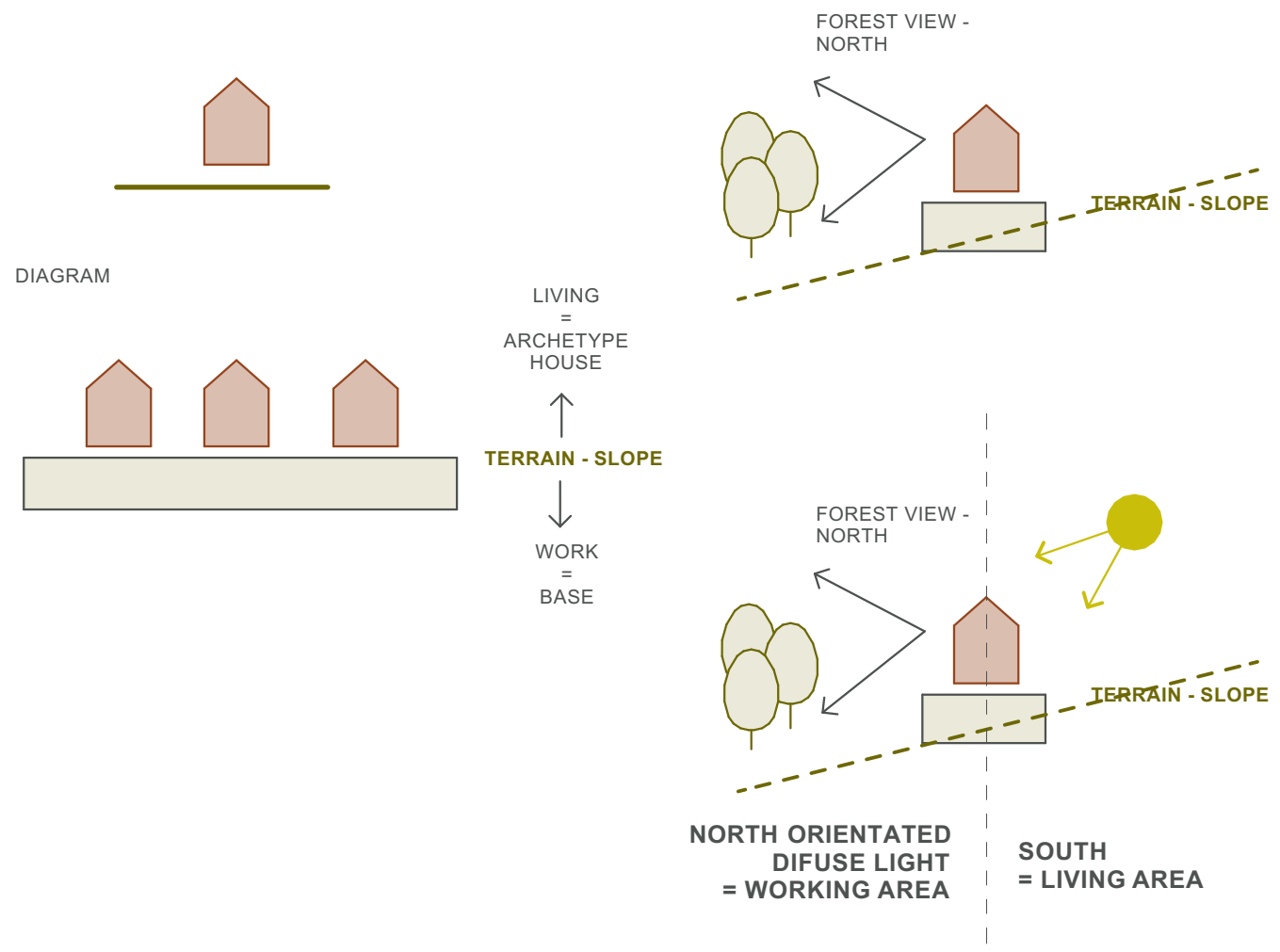
PROJECT ZERO
0,00 = + 262,00 m
ALTITUDE / SEA LEVEL

M 1:2000

LES GRANDES ATELIERS - NEW CONSTRUCTION

CONCEPT

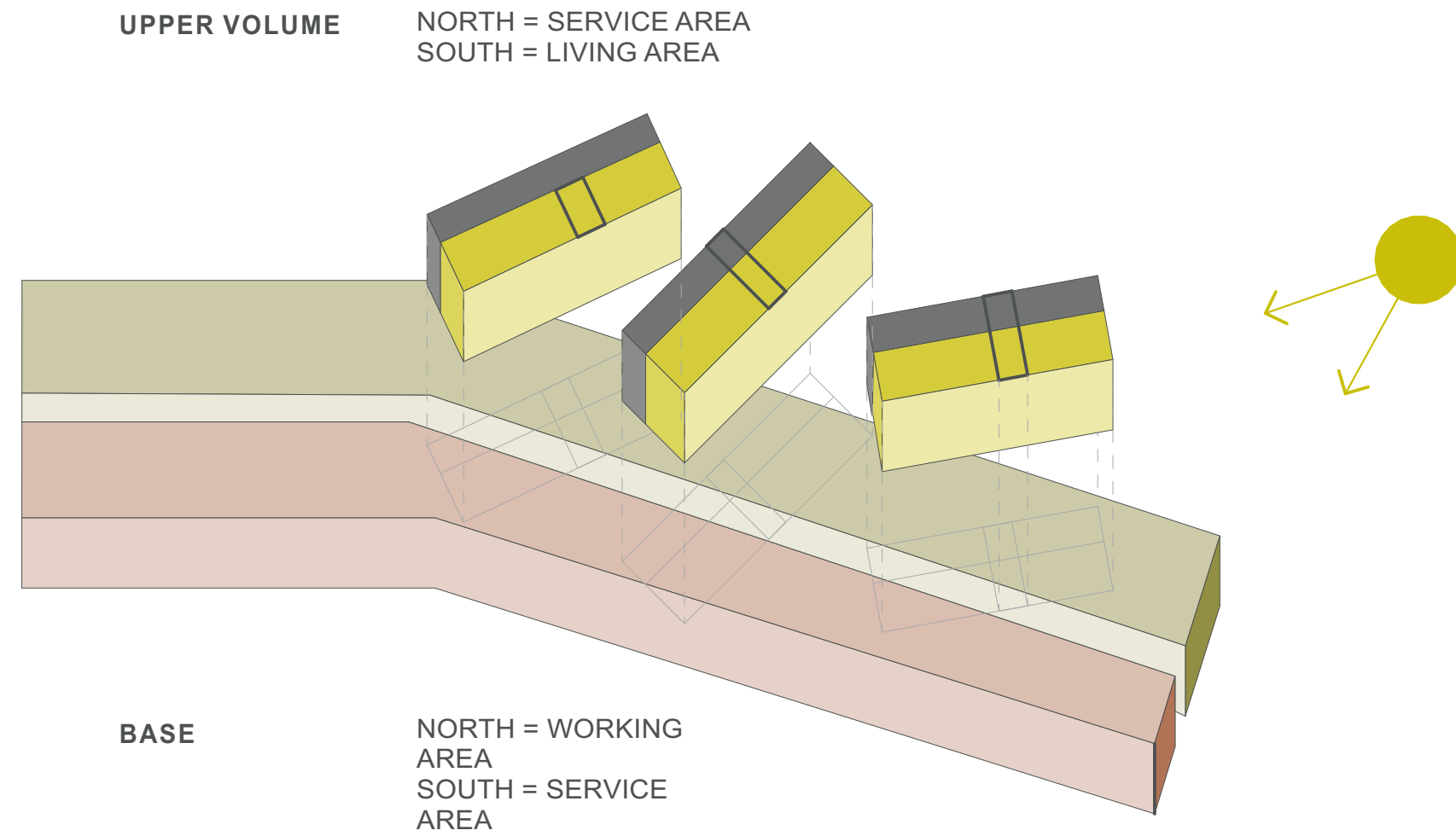
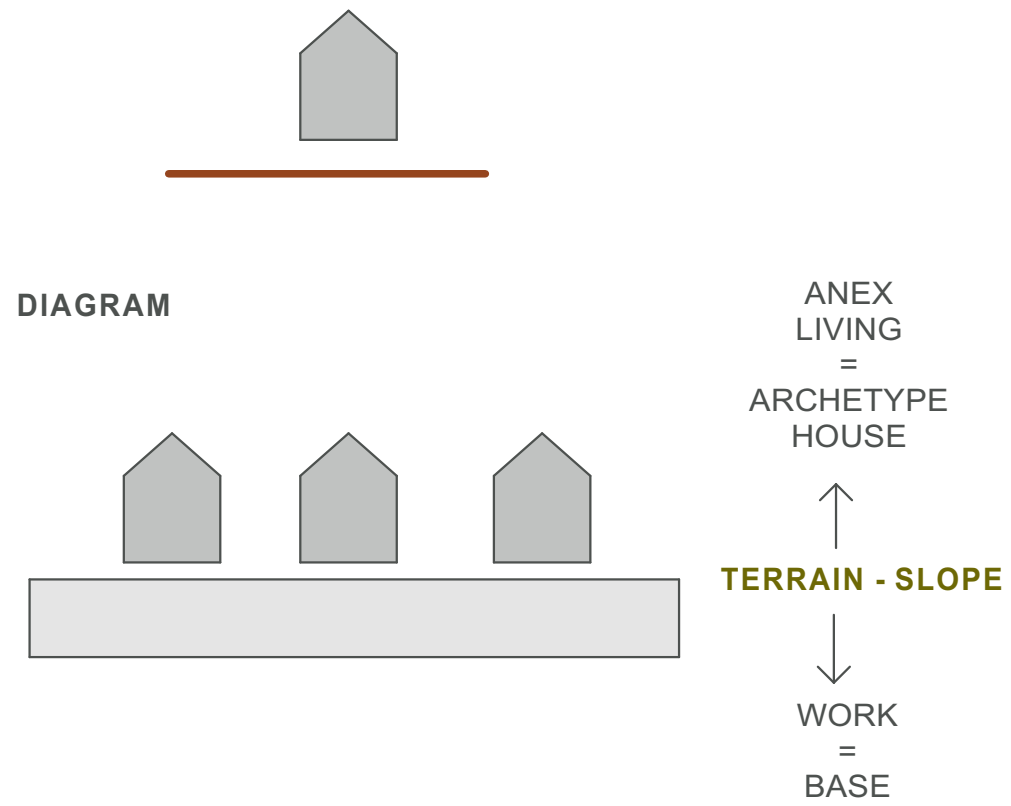
Architecture Student Contest
 THE DIALOGUES :: Team #13 :: 20th International Edition, NORD ISÈRE 2025



LES GRANDES ATELIERS - NEW CONSTRUCTION

CONCEPT

Architecture Student Contest
THE DIALOGUES :: Team #13 :: 20th International Edition, NORD ISÈRE 2025



LES GRANDES ATELIERS - NEW CONSTRUCTION

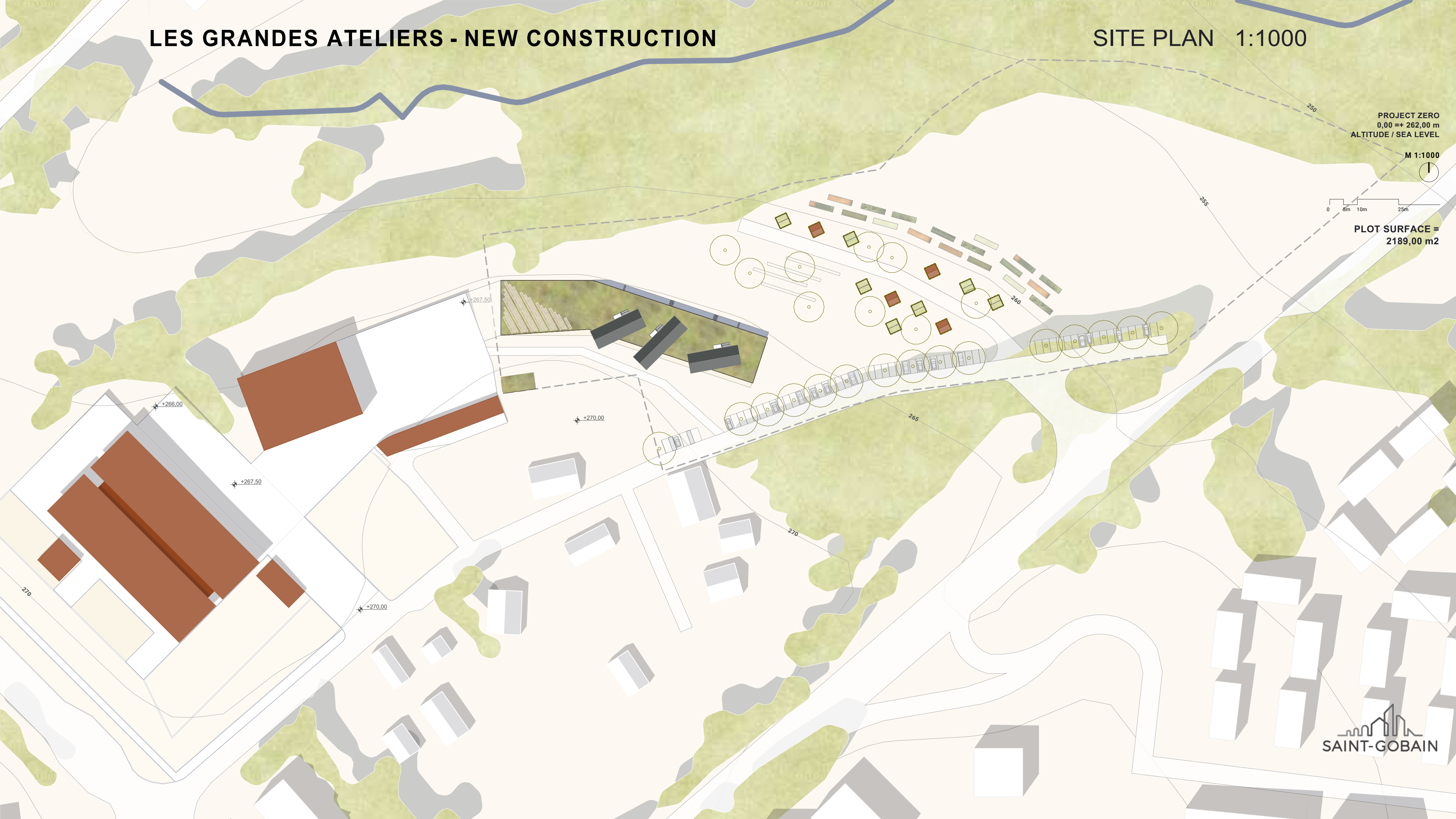
SITE PLAN 1:1000

PROJECT ZERO
0,00 =+ 262,00 m
ALTITUDE / SEA LEVEL

M 1:1000



PLOT SURFACE =
2189,00 m²



LES GRANDES ATELIERS - NEW CONSTRUCTION

SITE PLAN, 1:500

PROJECT ZERO
0,00 =+ 262,00 m
ALTITUDE / SEA LEVEL

M 1:500



0 1m 5m 10m 20m



OPEN AIR
THEATRE

LOWER VOLUME,
OFFICES AND
LABORATORIES

WATER POND,
COOLING, FITOREMEDIATION,
RAINWATER ACCUMULATION

GREEN
PAVILIONS

PEDESTRIAN AND
VEHICLE ACCESS

RAISED BEDS
VEGETABLE AND HERB
GARDEN

+267,50

ACCESS FROM
PLATO

GREEN ROOF
WILDLIFE MEADOW AND
ORNAMENTAL GRASSES

WOOD BOILER
ROOM

+270,00

UPPER VOLUME,
ACCOMODATION

SITTING AND
SOCIALIZING AREA

PARKING

EXISTING ROAD

THE PROTOTYPE
VILLAGE

PEDESTRIAN AND
INTERVENTION ACCESS

SAINT-GOBAIN

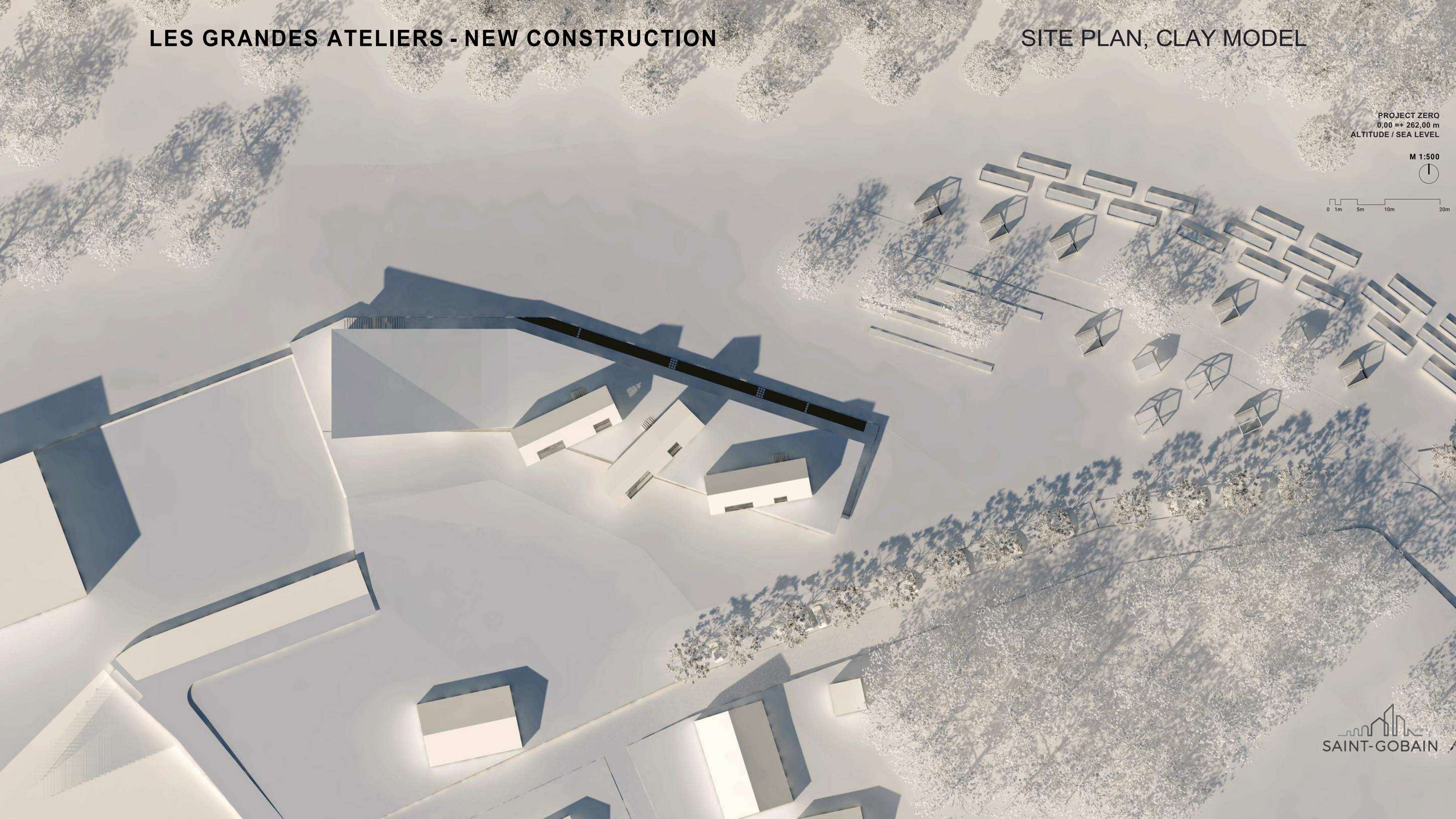
LES GRANDES ATELIERS - NEW CONSTRUCTION

SITE PLAN, CLAY MODEL

PROJECT ZERO
0,00 =+ 262,00 m
ALTITUDE / SEA LEVEL

M 1:500
↑

0 1m 5m 10m 20m



LES GRANDES ATELIERS - NEW CONSTRUCTION

VEGETATION PROPOSAL

Architecture Student Contest
 THE DIALOGUES :: Team #13 :: 20th International Edition, NORD ISÈRE 2025



Tillia parvifolia



Liriodendron tulipifera



Quercus robur



Prunus cerasifera 'Nigra'



Liquidambar stiriaciflua



Prunus sp.



Amelanchier lamarchii



TREES



Prunus laurocerasus



Lonicera nitida



Cornus alba sibirica 'Variegata'



Berberis 'Atropurpurea'



Hedera helix



Spiraea japonica

SHRUBS AND HEDGES



Stipa tenuissima



Pennisetum orientale



Pennisetum 'Hameln'



Pennisetum 'Rubrum'



Festuca glauca



Festuca 'Golden Toupee'



Pennisetum 'Little Bunny'



Salvia 'Ostfriesland'



Allium 'Purple Sensation'



Sedum 'Purple Emperor'



Stachys sp.



ORNAMENTAL GRASSES AND PERENNIALS





Architecture Student Contest
THE DIALOGUES :: Team #13 :: 20th International Edition, NORD ISÈRE 2025



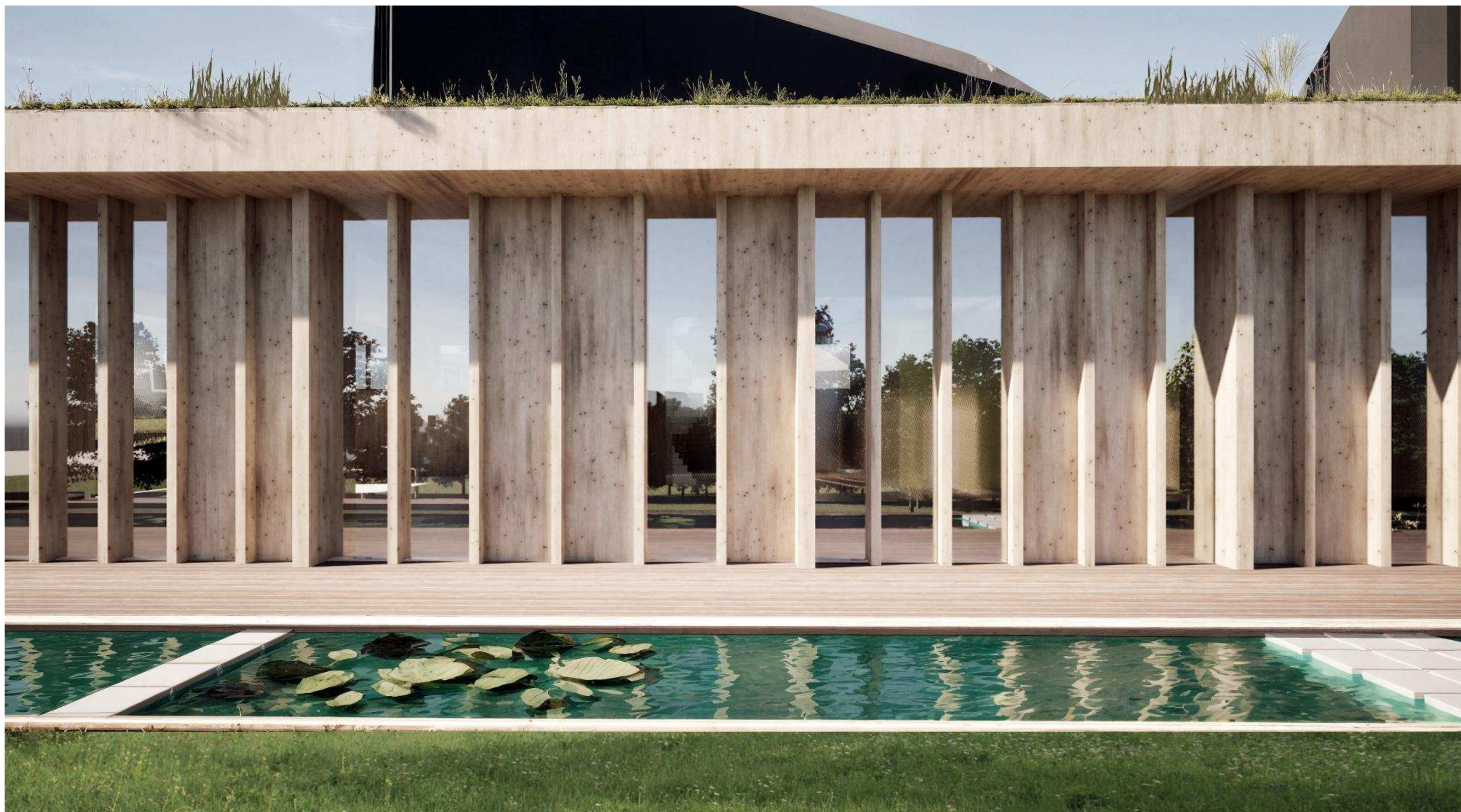
Architecture Student Contest
THE DIALOGUES :: Team #13 :: 20th International Edition, NORD ISÈRE 2025



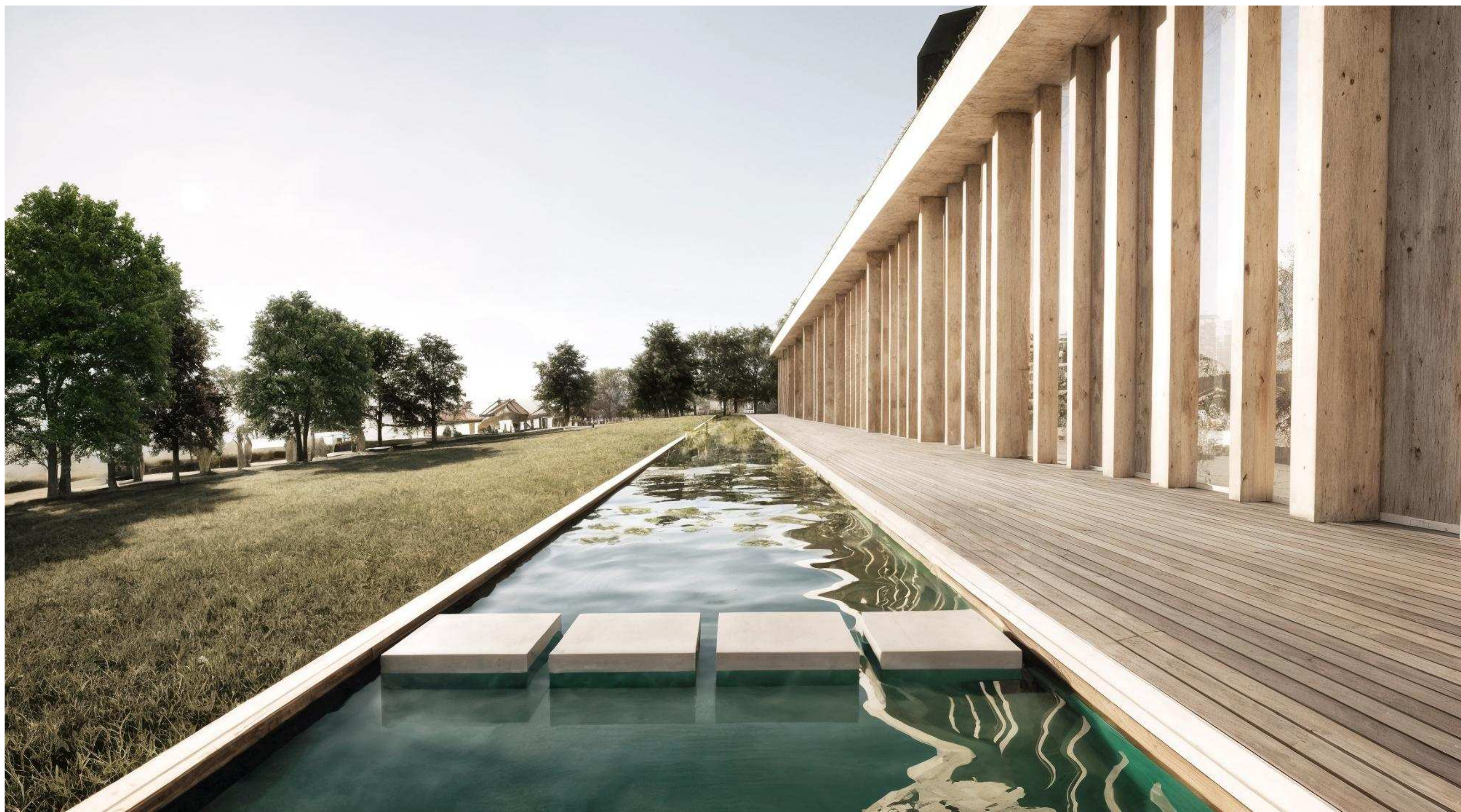
Architecture Student Contest
THE DIALOGUES :: Team #13 :: 20th International Edition, NORD ISÈRE 2025



Architecture Student Contest
THE DIALOGUES :: Team #13 :: 20th International Edition, NORD ISÈRE 2025



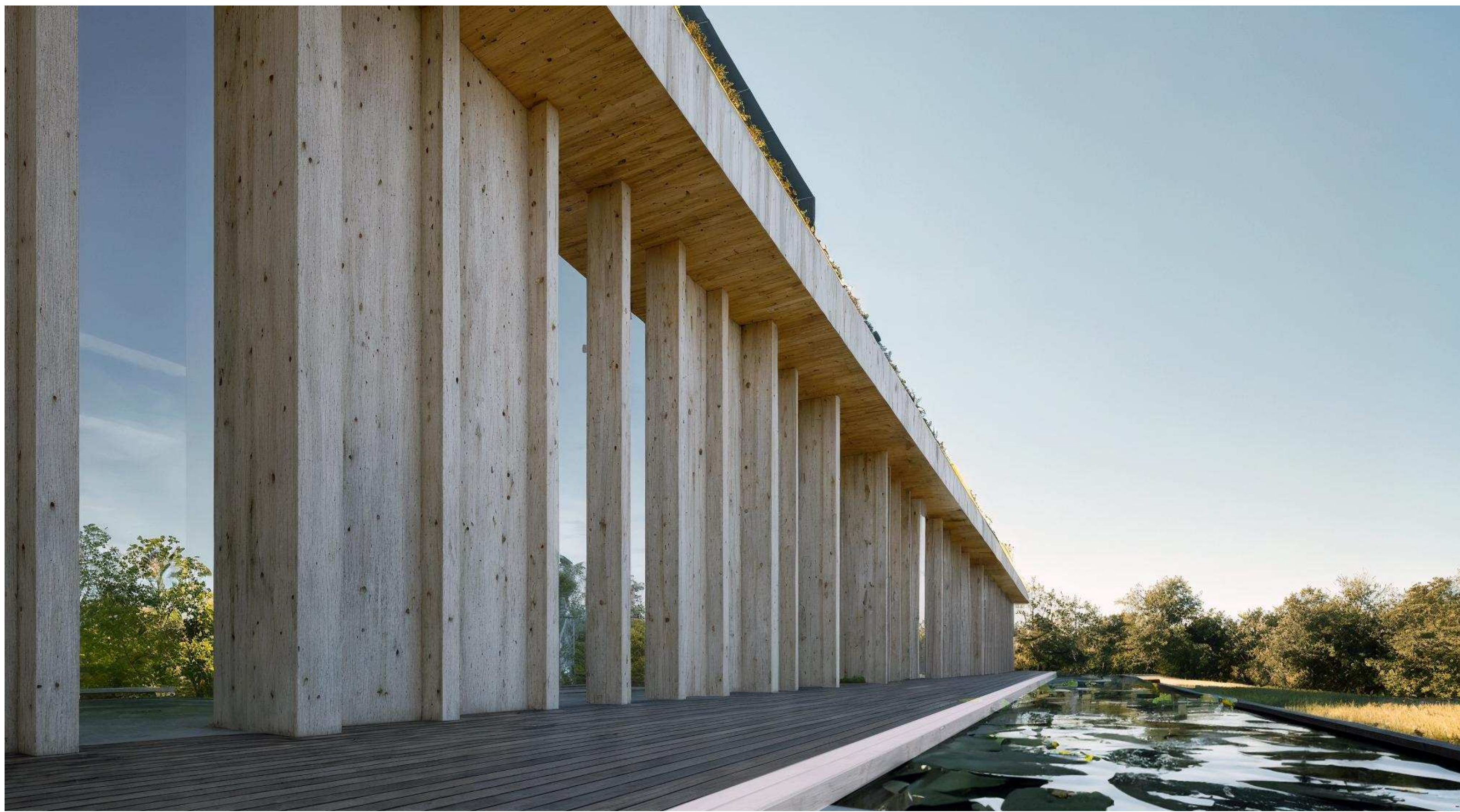




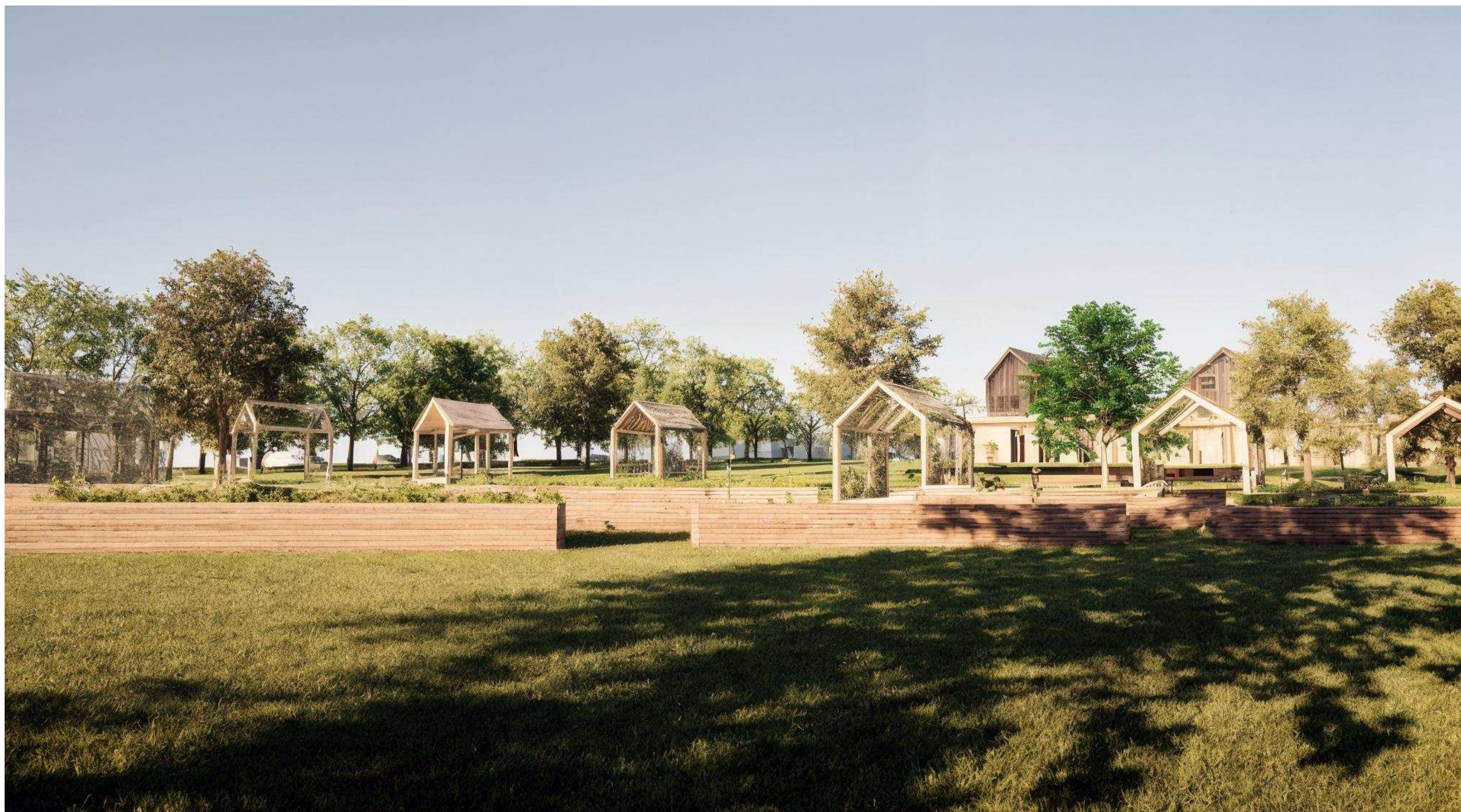
Architecture Student Contest
THE DIALOGUES :: Team #13 :: 20th International Edition, NORD ISÈRE 2025



Architecture Student Contest
THE DIALOGUES :: Team #13 :: 20th International Edition, NORD ISÈRE 2025









LES GRANDES ATELIERS - NEW CONSTRUCTION

FLOOR PLAN, LOWER GROUND FLOOR



- LEGENDS**
- 1.1. ENTRANCE / WINDBREAK AREA
 - 1.2. CLOAKROOM
 - 1.3. ELEVATOR
 - 1.4. LOBBY / LOUNGE
 - 1.5. PROTOTYPING AREA
 - 1.6. MULTIPURPOSE ROOM / AUDITORIUM / MAIN HALL - EXPANDABLE
 - 1.7. STAIRCASE / SMALL AMPHITHEATER
 - 1.8. HALL
 - 1.9. RECEPTION
 - 1.10. EXIT PORCH
 - 1.11. ATRIUM GARDEN
 - 1.12. LABORATORY
 - 1.13. LABORATORY BUILT IN WALL- STORAGE SPACE
 - 1.14. CORRIDOR
 - 1.15. MEETING ROOM 1 - INTERCONNECTING
 - 1.16. MEETING ROOM 2 - INTERCONNECTING
 - 1.17. EXIT TERRACE
 - 1.18. MEETING ROOM A
 - 1.19. MEETING ROOM B
 - 1.20. ATRIUM GARDEN
 - 1.21. OFFICE SPACES 1
 - 1.22. OFFICE SPACES 2
 - 1.23. STAIRCASE - HOUSE C - ACCOMODATION
 - 1.24. PRINT / COPY ROOM
 - 1.25. RESTROOMS, M/W, DISABLED
 - 1.26. KITCHEN
 - 1.27. SILENT / SKYPE ROOM
 - 1.28. STAIRCASE - HOUSE B - ACCOMODATION
 - 1.29. SOCIALIZING
 - 1.30. RESTROOMS
 - 1.31. UTILITY / STORAGE / STUFF
 - 1.32. STAIRCASE - HOUSE A - ACCOMODATION
 - 1.33. SHOP / CAFETERIA

PROJECT ZERO
0,00 =+ 271,40 m
ALTITUDE / SEA LEVEL

M 1:200



5m 10m

NET AREA

LOWER GROUND FLOOR NET AREA

number		area (m2)
1.1.	entrance / windbreak area	17,2
1.2.	cloakroom	9,8
1.3.	elevator	8,6
1.4.	lobby / lounge	61,6
1.5.	prototyping area	93,3
1.6.	multipurpose room	110,3
1.7.	staircase platforms	33,3
1.8.	hall	65,3
1.9.	reception	12,4
1.10.	main hall extension	36,9
1.11.	atrium garden	20,1
1.12.	atrium garden	98,7
1.13.	laboratory storage	4,0
1.14.	corridor	135,9
1.15.	meeting room 1 - interconnecting	19,6
1.16.	meeting room 2 - interconnecting	19,6
1.17.	exit terrace	11,5
1.18.	meeting room A	13,9
1.19.	meeting room - B	13,5
1.20.	atrium garden	20,1
1.21.	office spaces 1	147,3
1.22.	office spaces 2	153,4
1.23.	staircase house C	8,3
1.24.	print / copy room	20,1
1.25.	restrooms	22,8
1.26.	kitchen	21,7
1.27.	silent / skype room	5,6
1.28.	staircase - house B	9,0
1.29.	socialising	7,8
1.30.	restrooms	12,8
1.31.	utility / storage / stuff	9,4
1.32.	staircase - house A	9,4
1.33.	shop / cafeteria	20,6
		1.253,8 m²

LES GRANDES ATELIERS - NEW CONSTRUCTION

GROUND AND 1ST FLOOR PLAN

FIRST FLOOR

PROJECT ZERO
0,00 =+ 271,40 m
ALTITUDE / SEA LEVEL

M 1:200



5m 10m

NET AREA

NET AREA

GROUND FLOOR NET AREA

FIRST FLOOR NET AREA

number	area (m2)	number	area (m2)
A.2.1. staircase	17,3	A.2.1. staircase	17,3
A.2.2. entrance	4,0	A.2.2. entrance	4,0
A.2.3. wardrobe	4,7	A.2.3. wardrobe	4,7
A.2.4. bathroom	10,3	A.2.4. bathroom	10,3
A.2.5. dormitory 8 beds	30,3	A.2.5. dormitory 8 beds	30,3
A.2.6. entrance	4,0	A.2.6. entrance	5,2
A.2.7. bathroom - disabled	6,7	A.2.7. bathroom	5,5
A.2.8. dormitory disabled	15,8	A.2.8. double room	15,8
A.2.9. dormitory 6 beds	25,7	A.2.9. dormitory 6 beds	25,7
B.2.1. staircase	10,8	B.2.1. staircase	10,8
B.2.2. entrance	3,1	B.2.2. entrance	3,1
B.2.3. wardrobe	6,2	B.2.3. wardrobe	6,2
B.2.4. bathroom	10,7	B.2.4. bathroom	10,7
B.2.5. dormitory 6 beds	25,7	B.2.5. dormitory 6 beds	25,7
B.2.6. entrance	3,1	B.2.6. entrance	3,1
B.2.7. wardrobe	6,2	B.2.7. wardrobe	6,2
B.2.8. bathroom	10,8	B.2.8. bathroom	10,8
C.2.1. staircase	11,5	C.2.1. staircase	11,5
C.2.2. entrance	4,0	C.2.2. entrance	4,0
C.2.3. wardrobe	4,7	C.2.3. wardrobe	4,7
C.2.4. bathroom	10,3	C.2.4. bathroom	10,3
C.2.5. dormitory 8 beds	30,3	C.2.5. dormitory 8 beds	30,3
C.2.6. entrance	5,2	C.2.6. entrance	5,2
C.2.7. bathroom - disabled	4,3	C.2.7. bathroom - disabled	4,3
C.2.8. single room	11,4	C.2.8. single room	11,4
C.2.9. single room	9,1	C.2.9. single room	9,1

286,2 m²

286,2 m²

HOUSE A

HOUSE B

HOUSE C

GREEN ROOF SYSTEM

LANDSCAPE & HARDSCAPE



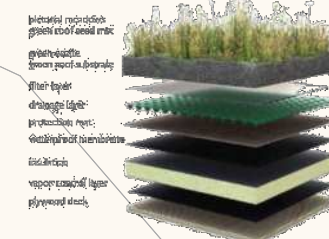
GEOMETRY EXAMPLE



PLANTING OPTIONS



GREEN ROOF VEGETATED AREA, WATER MANAGEMENT AND REDUCING URBAN HEAT ISLAND EFFECT



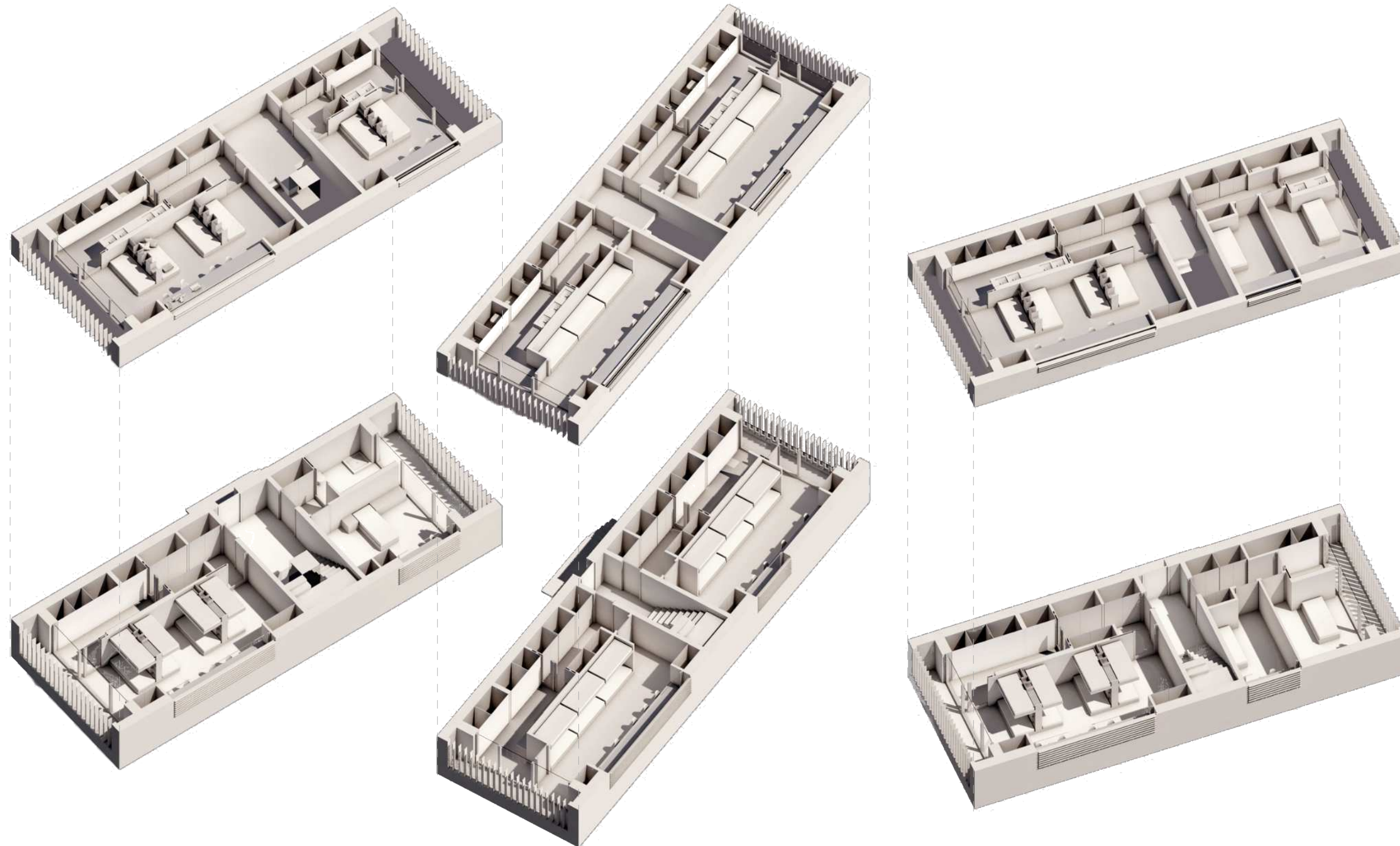
GROUND FLOOR

LES GRANDES ATELIERS - NEW CONSTRUCTION

ACCOMMODATION, AXONOMETRY

Architecture Student Contest

THE DIALOGUES :: Team #13 :: 20th International Edition, NORD ISÈRE 2025



HOUSE A

HOUSE B

HOUSE C

PROJECT ZERO
0,00 =+ 271,40 m
ALTITUDE / SEA LEVEL

M 1:200

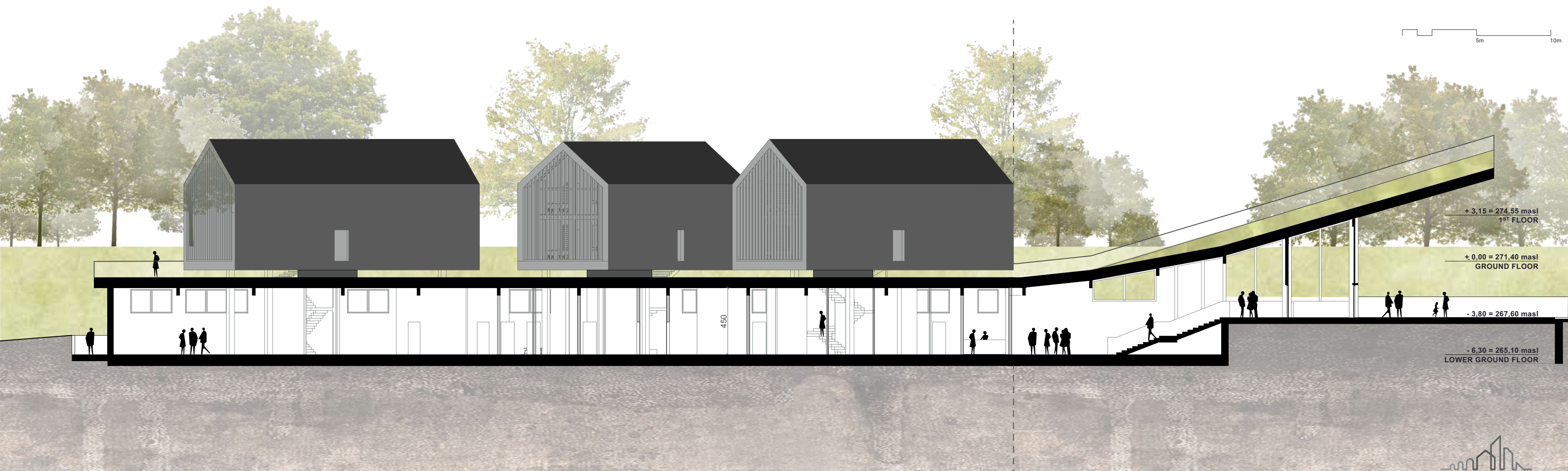


LES GRANDES ATELIERS - NEW CONSTRUCTION

SECTION A-A

PROJECT ZERO
0,00 =+ 271,40 m
ALTITUDE / SEA LEVEL

M 1:200



+ 3,15 = 274,55 masl
1ST FLOOR

+ 0,00 = 271,40 masl
GROUND FLOOR

- 3,80 = 267,60 masl

- 6,30 = 265,10 masl
LOWER GROUND FLOOR

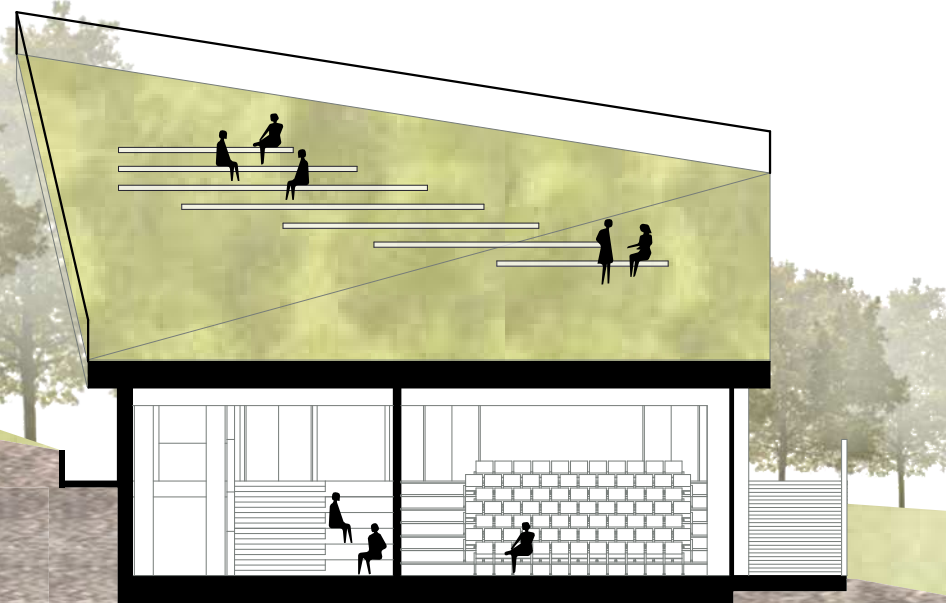
450

LES GRANDES ATELIERS - NEW CONSTRUCTION

SECTIONS

PROJECT ZERO
0,00 =+ 271,40 m
ALTITUDE / SEA LEVEL

M 1:200



SECTION 1-1



SECTION 2-2



SECTION 3-3



LES GRANDES ATELIERS - NEW CONSTRUCTION

EAST ELEVATION

PROJECT ZERO
0,00 =+ 271,40 m
ALTITUDE / SEA LEVEL

M 1:200



+ 3,15 = 274,55 masl
1ST FLOOR

+ 0,00 = 271,40 masl
GROUND FLOOR

- 3,80 = 267,60 masl

- 6,30 = 265,10 masl
LOWER GROUND FLOOR

LES GRANDES ATELIERS - NEW CONSTRUCTION

NORTH ELEVATION

PROJECT ZERO
0,00 =+ 271,40 m
ALTITUDE / SEA LEVEL

M 1:200

5m 10m

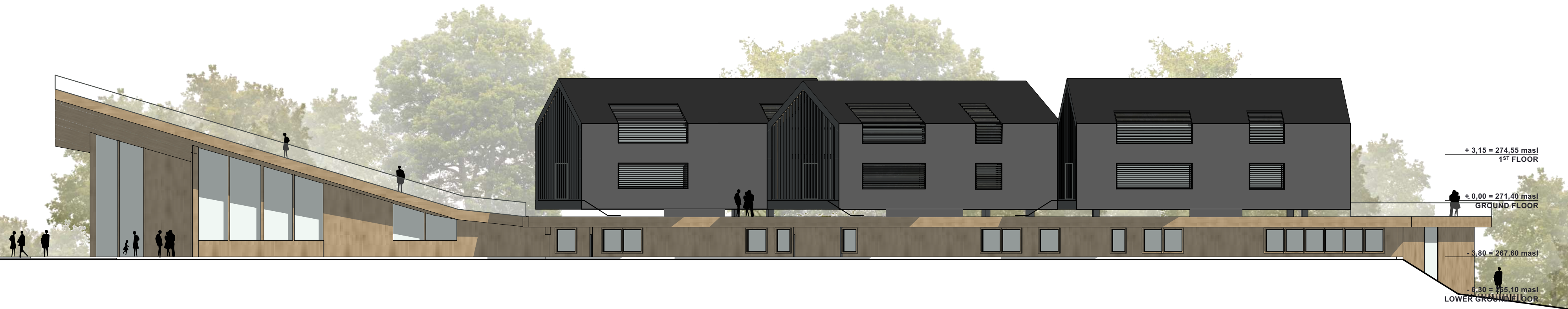


LES GRANDES ATELIERS - NEW CONSTRUCTION

SOUTH ELEVATION

PROJECT ZERO
0,00 =+ 271,40 m
ALTITUDE / SEA LEVEL

M 1:200



+ 3,15 = 274,55 masl
1ST FLOOR

+ 0,00 = 271,40 masl
GROUND FLOOR

- 3,80 = 267,60 masl

- 6,30 = 265,10 masl
LOWER GROUND FLOOR

LES GRANDES ATELIERS - NEW CONSTRUCTION

WEST ELEVATION

PROJECT ZERO
0,00 =+ 271,40 m
ALTITUDE / SEA LEVEL

M 1:200



+ 3,15 = 274,55 masl
1ST FLOOR

+ 0,00 = 271,40 masl
GROUND FLOOR

- 3,80 = 267,60 masl

- 6,30 = 265,10 masl
LOWER GROUND FLOOR

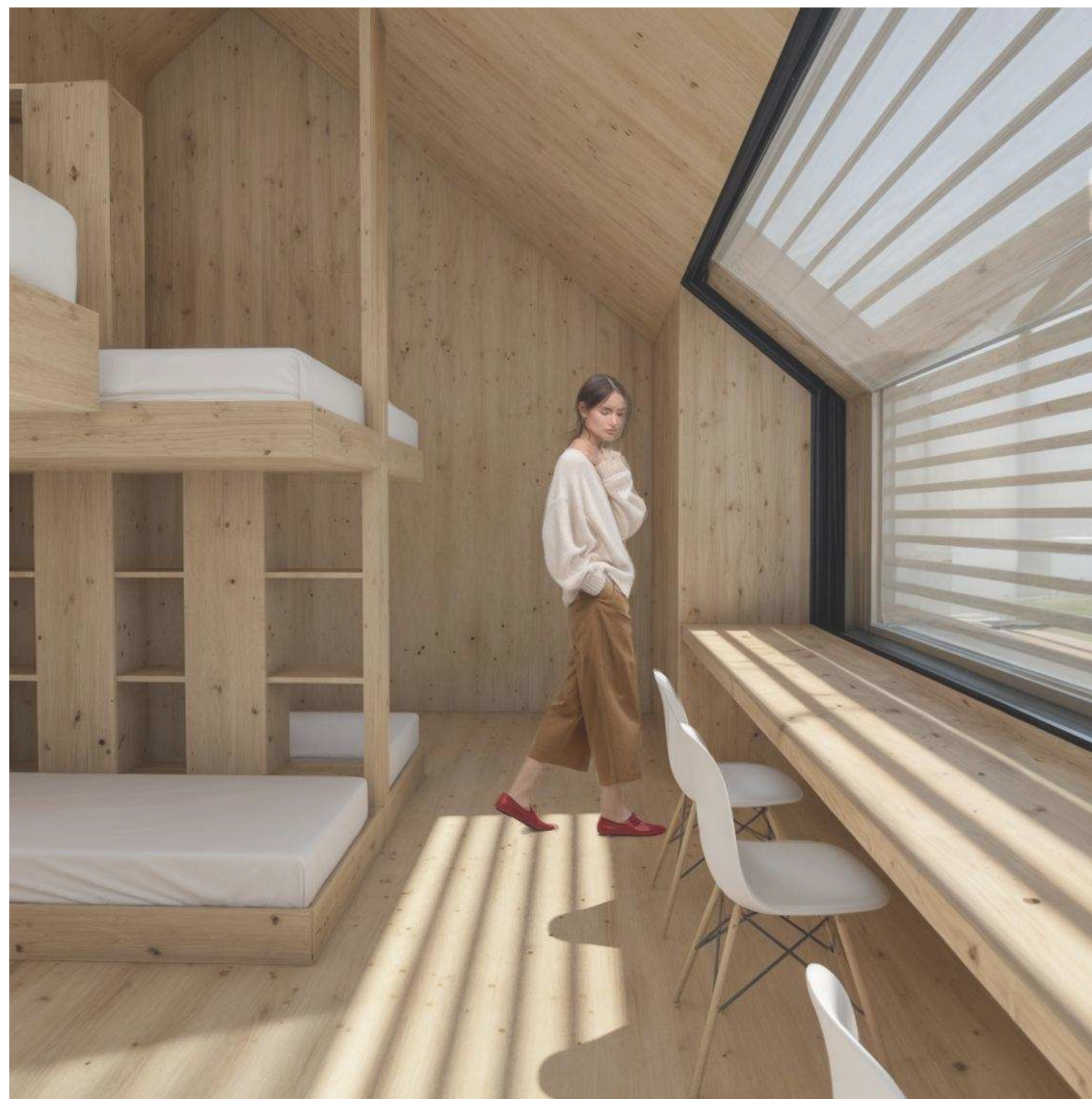
Architecture Student Contest
THE DIALOGUES :: Team #13 :: 20th International Edition, NORD ISÈRE 2025



Architecture Student Contest
THE DIALOGUES :: Team #13 :: 20th International Edition, NORD ISÈRE 2025



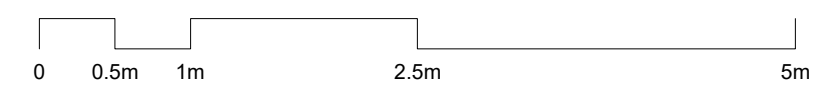
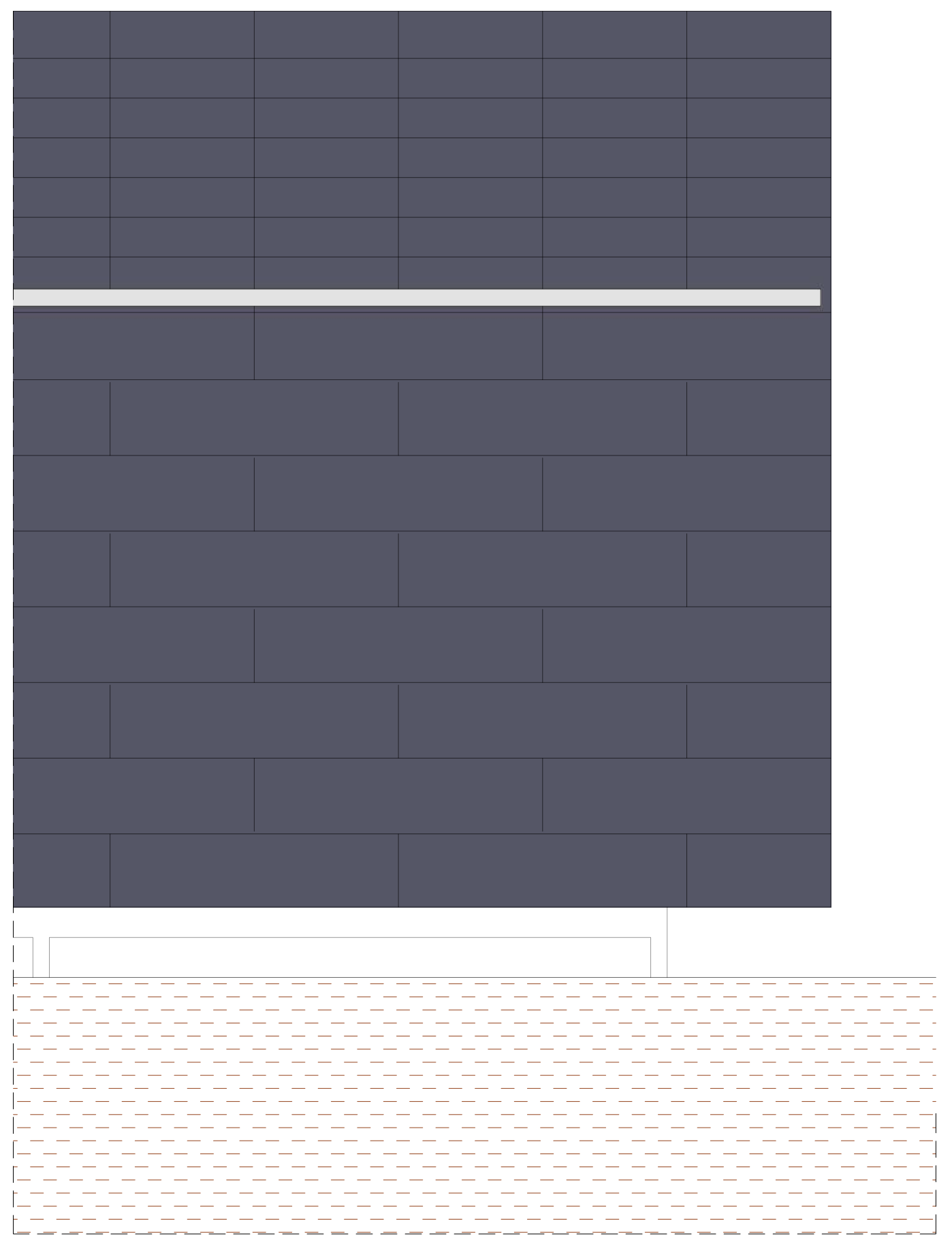
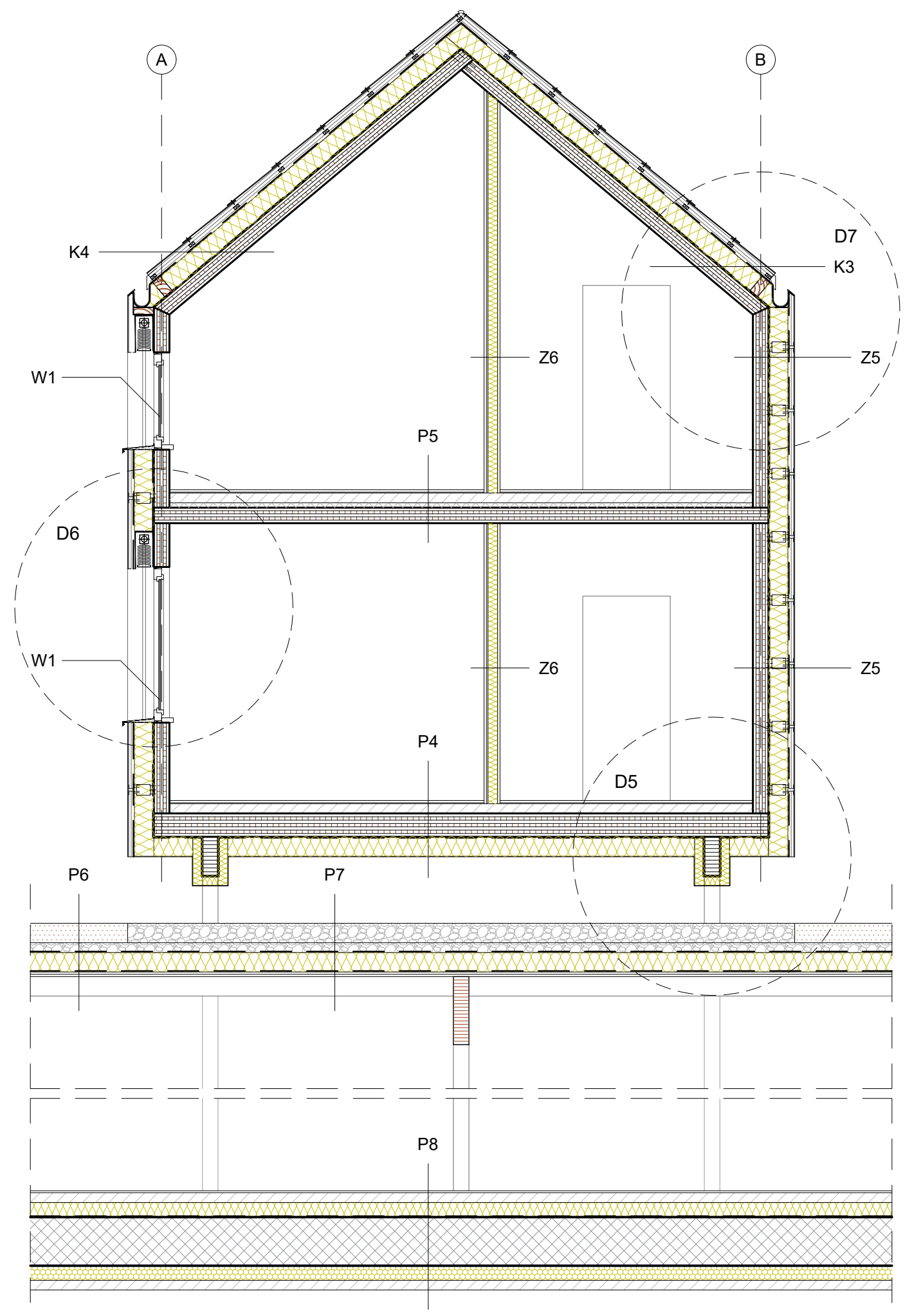




LES GRANDES ATELIERS - NEW CONSTRUCTION

DETAIL- M1:50

Architecture Student Contest
THE DIALOGUES :: Team #13 :: 20th International Edition, NORD ISÈRE 2025



LES GRANDES ATELIERS - NEW CONSTRUCTION

CONSTRUCTION LAYERS SPECIFICATION

P4 - 60 cm

- Floor covering - parquet - 2.4 cm
- Parquet adhesive - 1 cm
- Cement screed Weber D10 (underfloor heating) - 10 cm
- Self-leveling compound - weber.floor 4680N Marine Light
- Cross-laminated timber board - 24 cm
- Vapor barrier - Isover Vario KM Duplex
- Mineral wool - Isover Fassade 200 - 20 cm
- Primer - weber.prim 403

P5 - 36 cm

- Floor covering - parquet - 2.4 cm
- Parquet glue - 1 cm
- Cement screed Weber D10 (floor heating) - 10 cm
- Self-leveling compound - weber.floor 4680N Marine Light
- Insulation foil - Isover Fonas 31
- Sound insulation - Isover Acoustic 50 - 5 cm
- Floor board made of laminated wood - 16 cm

P6 - 55 cm

- Soil layer for an extensive flat roof - 20 cm
- Drainage layer - weber.sys 983
- Aggregate - Leca expanded clay
- Rubber protective layer
- Root protection layer
- Vapor barrier - Isover Vario KM Duplex
- Mineral glass wool - Isover Rio Plus 10 Alu - 10 cm
- Waterproofing - weberdry roof natura
- Board formwork - 2 x 2.4 cm - 4.8 cm (half overlap)

P7 - 55 cm

- Gravel - 20 cm
- Drainage layer - weber.sys 983
- Aggregate - Leca expanded clay
- Rubber protective layer
- Root protection layer
- Vapor barrier - Isover Vario KM Duplex
- Mineral glass wool - Isover Rio Plus 10 Alu - 10 cm
- Waterproofing - weberdry roof natura
- Board formwork - 2 x 2.4 cm - 4.8 cm (half overlap)

K3 - 46 cm

- Roof panels with integrated solar panels - 1 cm
- Longitudinal battens for solar panels - 5/3 cm
- Transverse battens - 5/3 cm
- Longitudinal battens - 5/3 cm (ventilation layer)
- Waterproofing membrane - weberdry roof
- Mineral wool - Isover Fassade 200 - 20 cm
- Vapor barrier - Isover Vario KM Duplex
- Cross-laminated timber support element - 16 cm

K4 - 46 cm

- Roof panels - 1 cm
- Longitudinal battens for solar panels - 5/3 cm
- Transverse battens - 5/3 cm
- Longitudinal battens - 5/3 cm (ventilation layer)
- Waterproofing membrane - weberdry roof
- Mineral wool - Isover Fassade 200 - 20 cm
- Vapor barrier - Isover Vario KM Duplex
- Cross-laminated timber support element - 16 cm

P8 - 90 cm

- Floor covering - parquet - 2.4 cm
- Parquet adhesive - 1 cm
- Cement screed Weber D10 (underfloor heating) - 10 cm
- Self-leveling compound - weber.floor 4680N Marine Light
- Hard mineral rock wool boards Isover T-P - 15 cm
- Two-component H.I. - weber.tec D-max 2K
- AB base plate - 50 cm
- Extruded polystyrene boards - Isover Styrodur 2800 C 100 - 15 cm
- Compacted gravel

Z5 - 45 cm

- Trespa panels - 1 cm
- Air layer - 6 cm
- Rain barrier
- Mineral wool - Isover Fassade 200 - 20 cm
- Vapor barrier - Isover Vario KM Duplex
- Cross-laminated timber wall - 16 cm

Z6 - 36 cm

- Gypsum board - Rigips RBI board - 2 x 1.25 cm
- Mineral wool - Isover Acoustic - 10 cm
- Fireproof gypsum board - Gyproc FireLine - 1.5 cm
- Gypsum board - Rigips RBI board - 2 x 1.25 cm

W1

- Saint-Gobain low emissivity glas ECLAZ® (II)

Light transmission = 77%

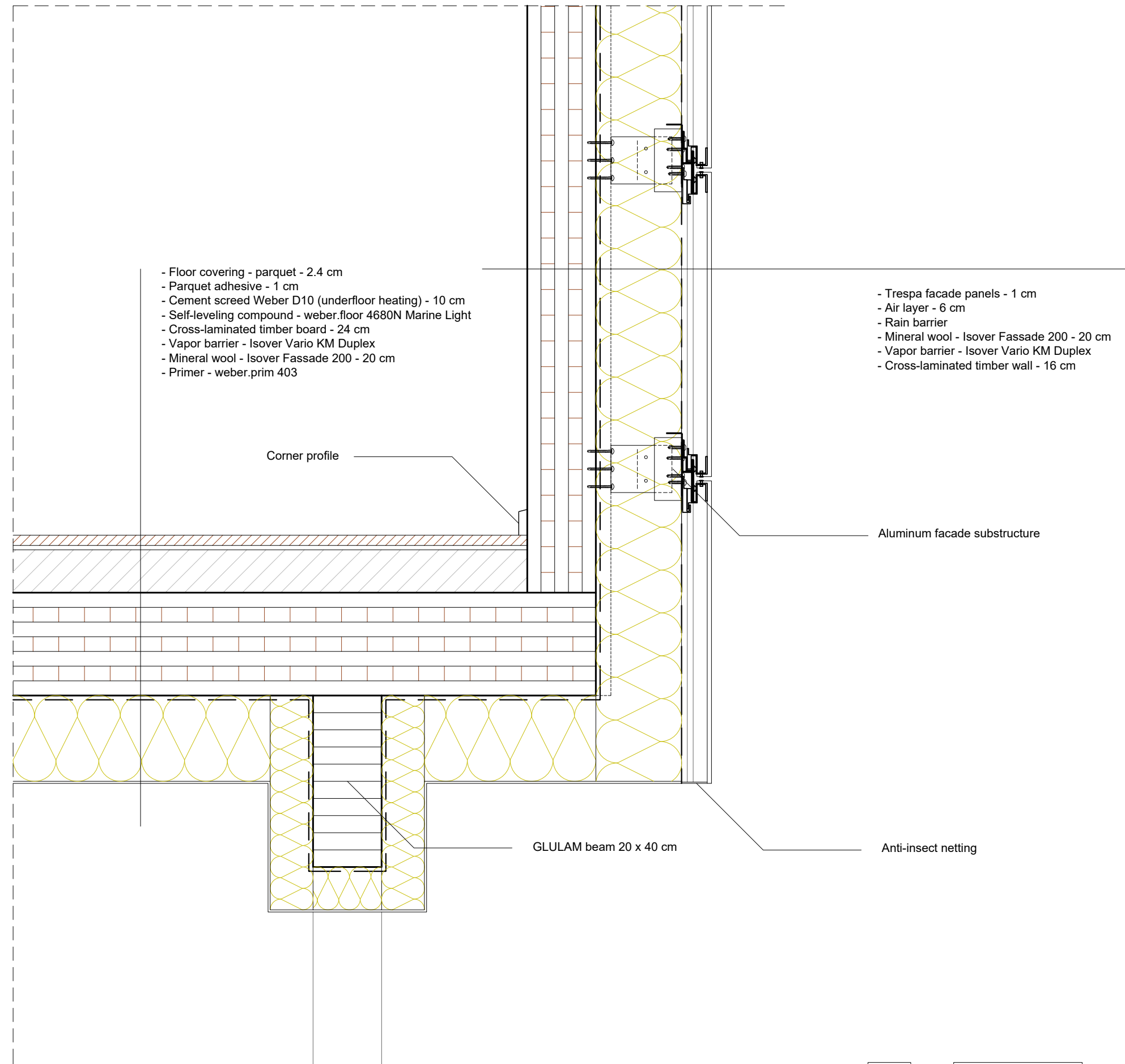
Solar factor = 54%

Ug = 1.0 W/m²K

LES GRANDES ATELIERS - NEW CONSTRUCTION

DETAIL 1:10

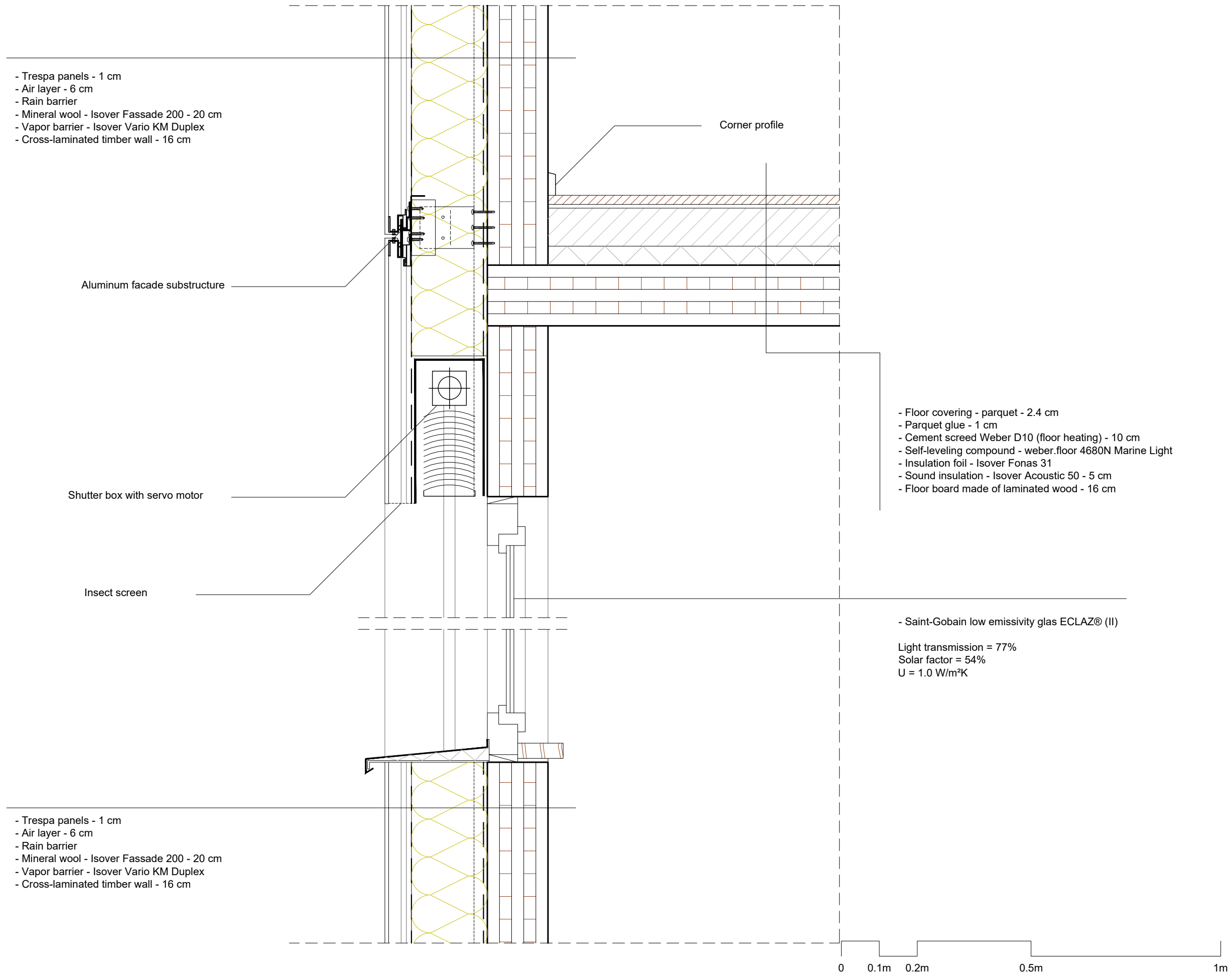
Architecture Student Contest
THE DIALOGUES :: Team #13 :: 20th International Edition, NORD ISÈRE 2025



LES GRANDES ATELIERS - NEW CONSTRUCTION

DETAIL 1:10

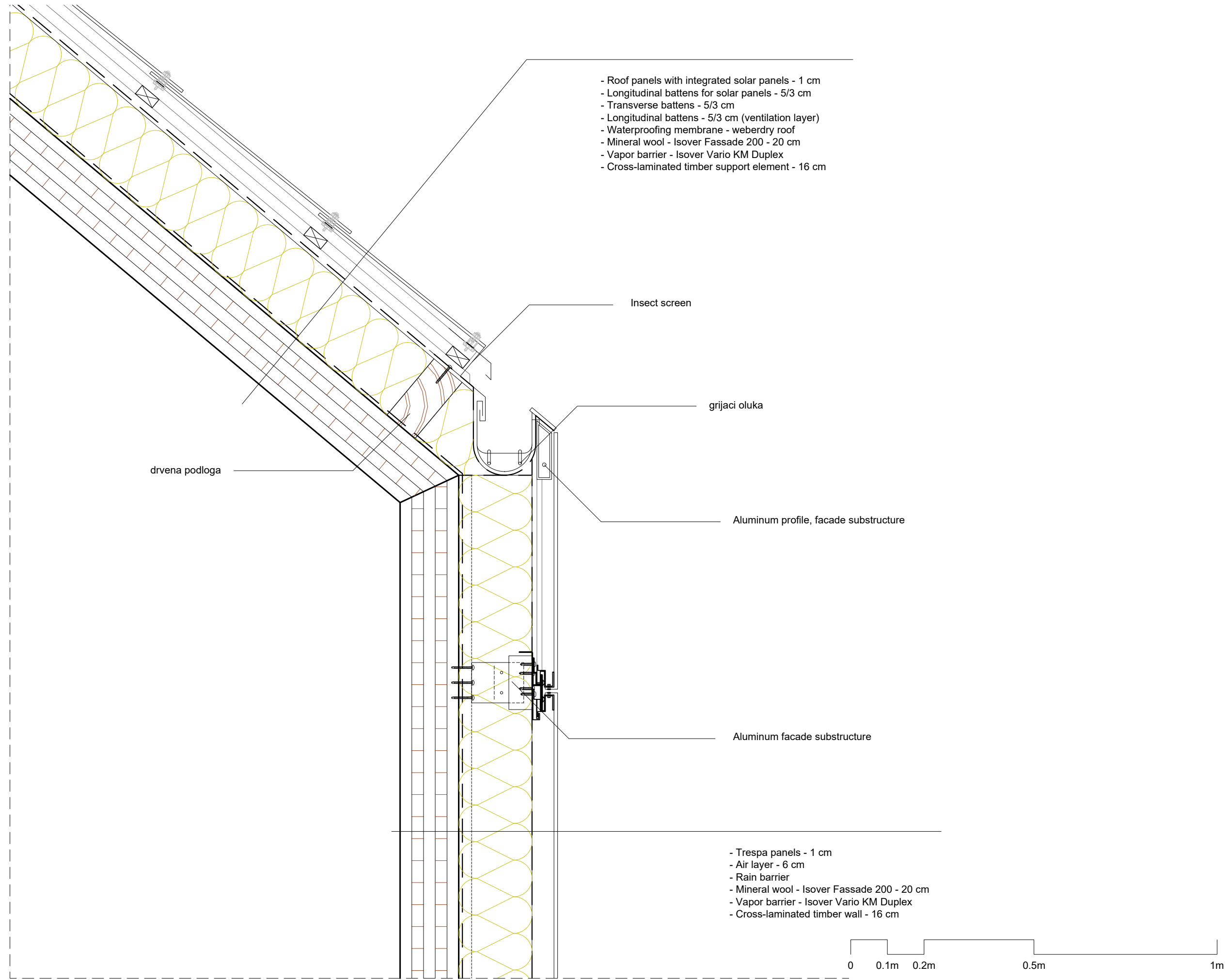
Architecture Student Contest
 THE DIALOGUES :: Team #13 :: 20th International Edition, NORD ISÈRE 2025



LES GRANDES ATELIERS - NEW CONSTRUCTION

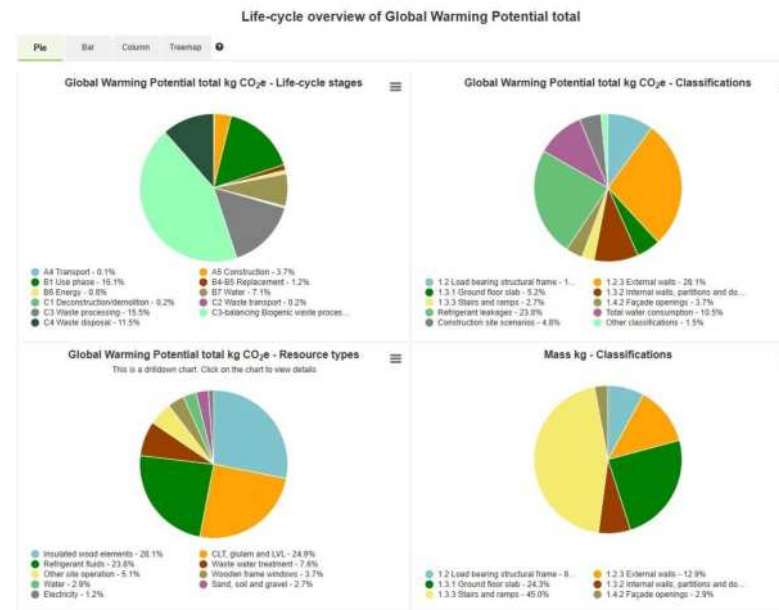
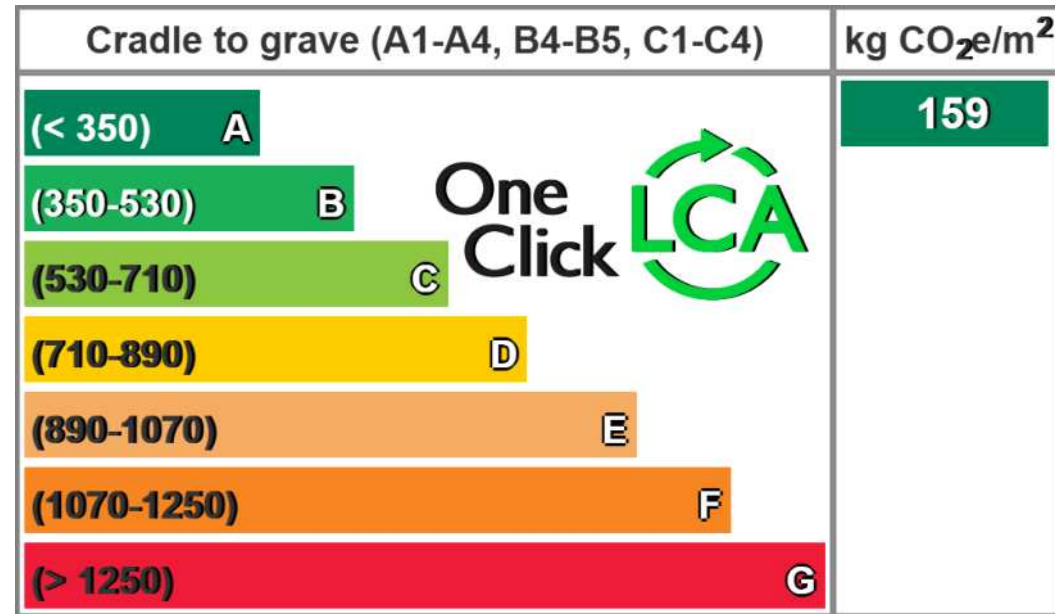
DETAIL 1:10

Architecture Student Contest
 THE DIALOGUES :: Team #13 :: 20th International Edition, NORD ISÈRE 2025

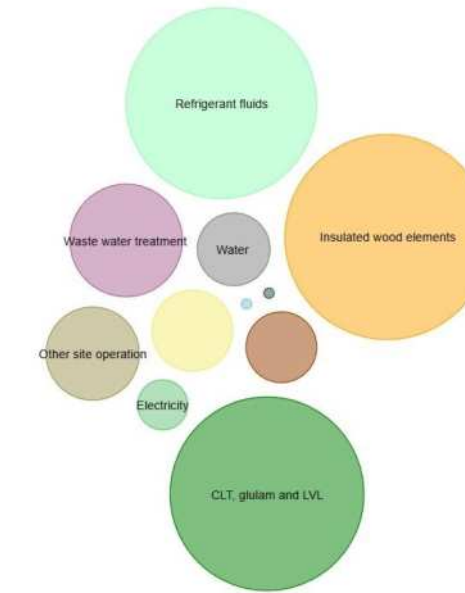


LES GRANDES ATELIERS - NEW CONSTRUCTION ENERGY EFFICIENCY & LIFE CYCLE ASSESMENT

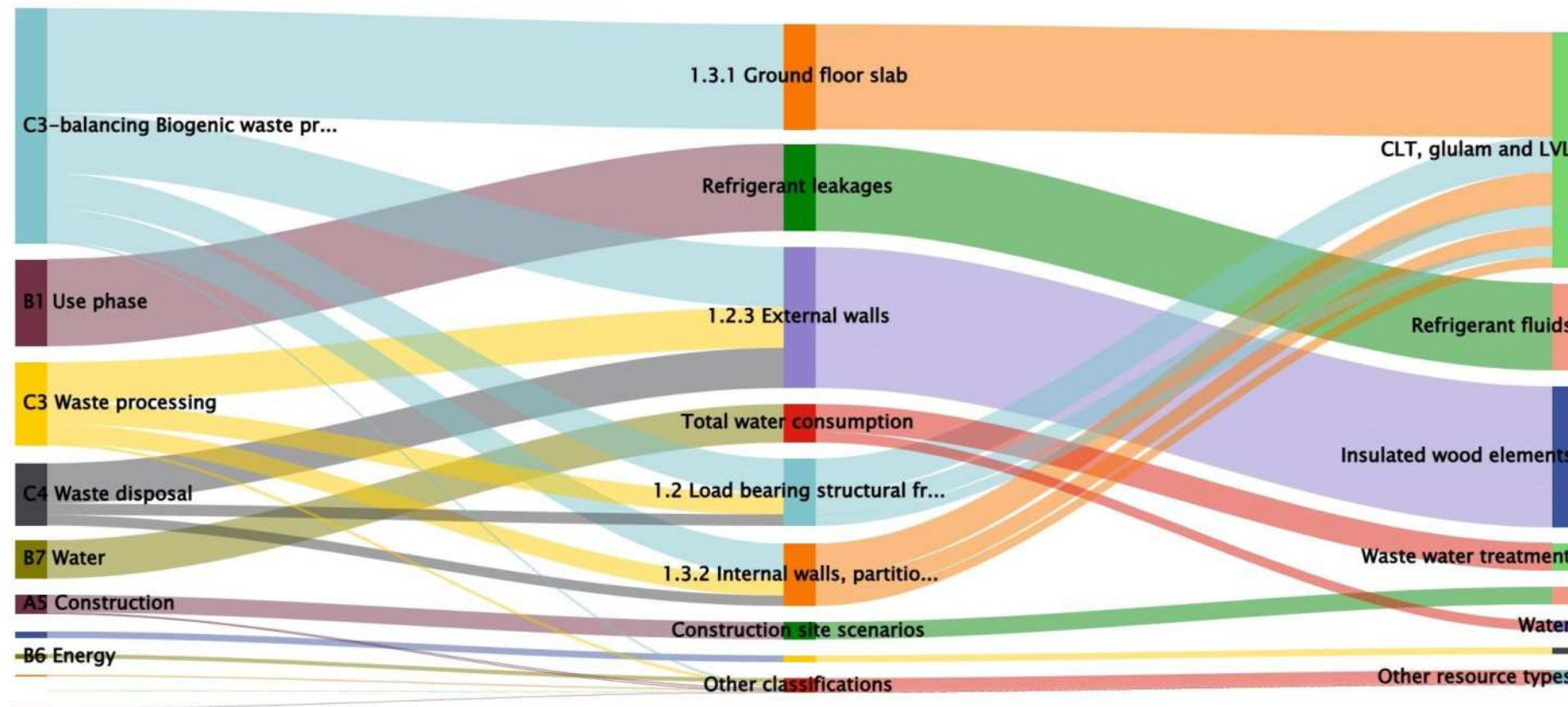
Architecture Student Contest THE DIALOGUES :: Team #13 :: 20th International Edition, NORD ISÈRE 2025



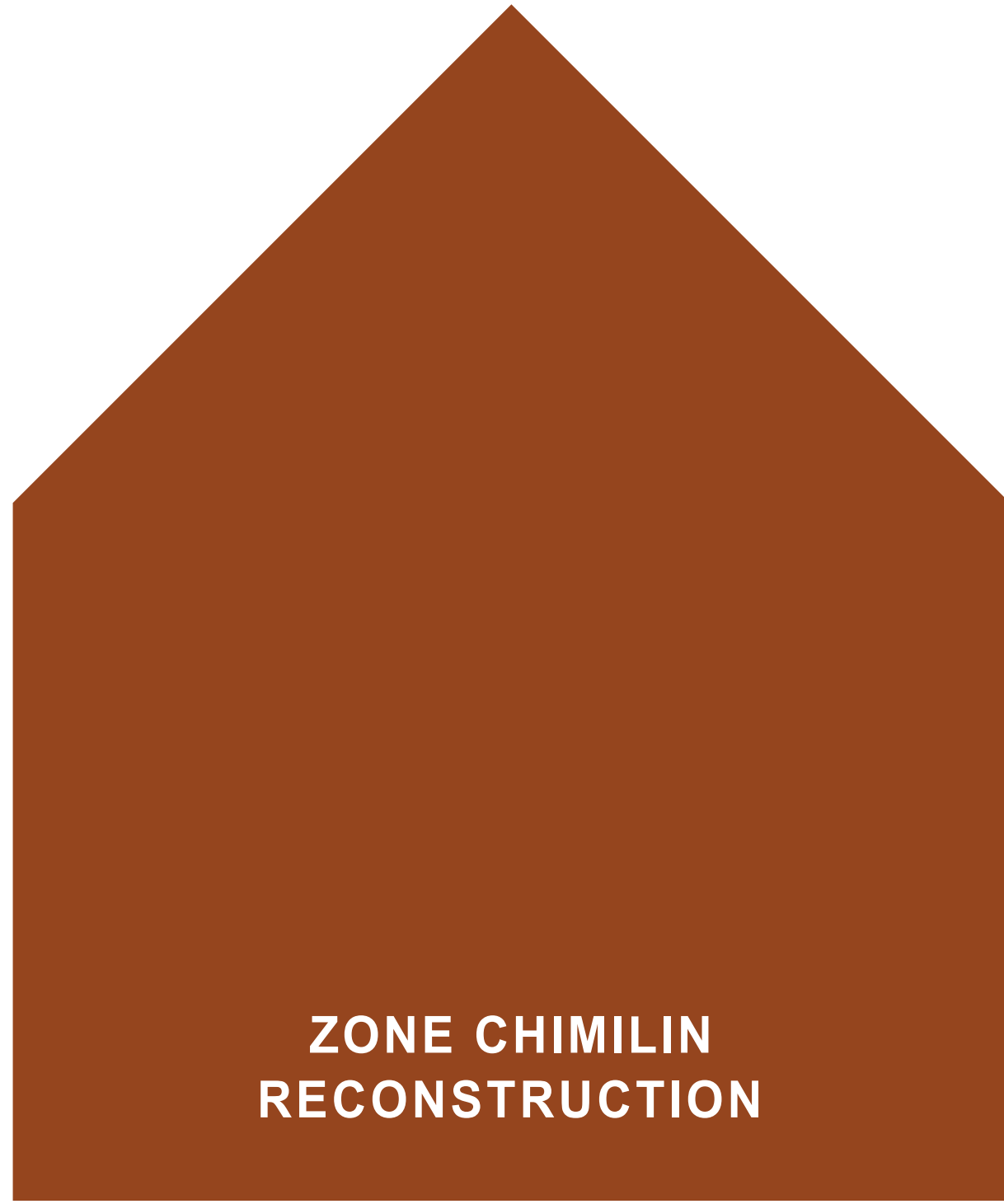
Bubble chart, total life-cycle impact by resource type and subtype, Global Warming Potential total



Sankey diagram, Global Warming Potential total



- Concrete slabs (hollow and solid)
- Insulated wood elements
- CLT, glulam and LVL
- Sand, soil and gravel
- Wooden frame windows
- Other site operation
- Electricity
- Waste water treatment
- Water
- Refrigerant fluids
- Vegetation



**ZONE CHIMILIN
RECONSTRUCTION**

Architecture Student Contest
THE DIALOGUES :: Team #13 :: 20th International Edition, NORD ISÈRE 2025



ZONE CHIMILIN - RECONSTRUCTION

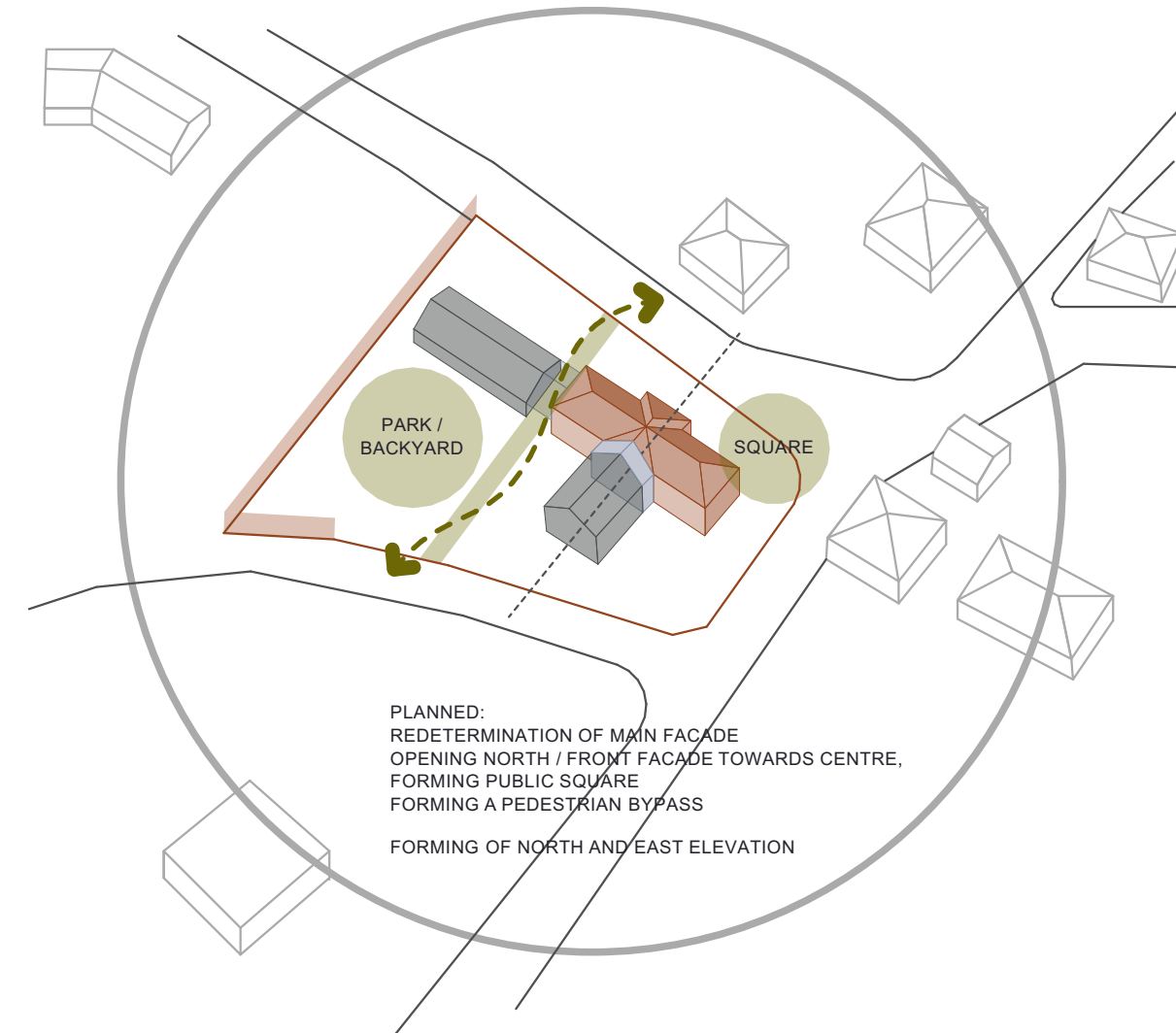
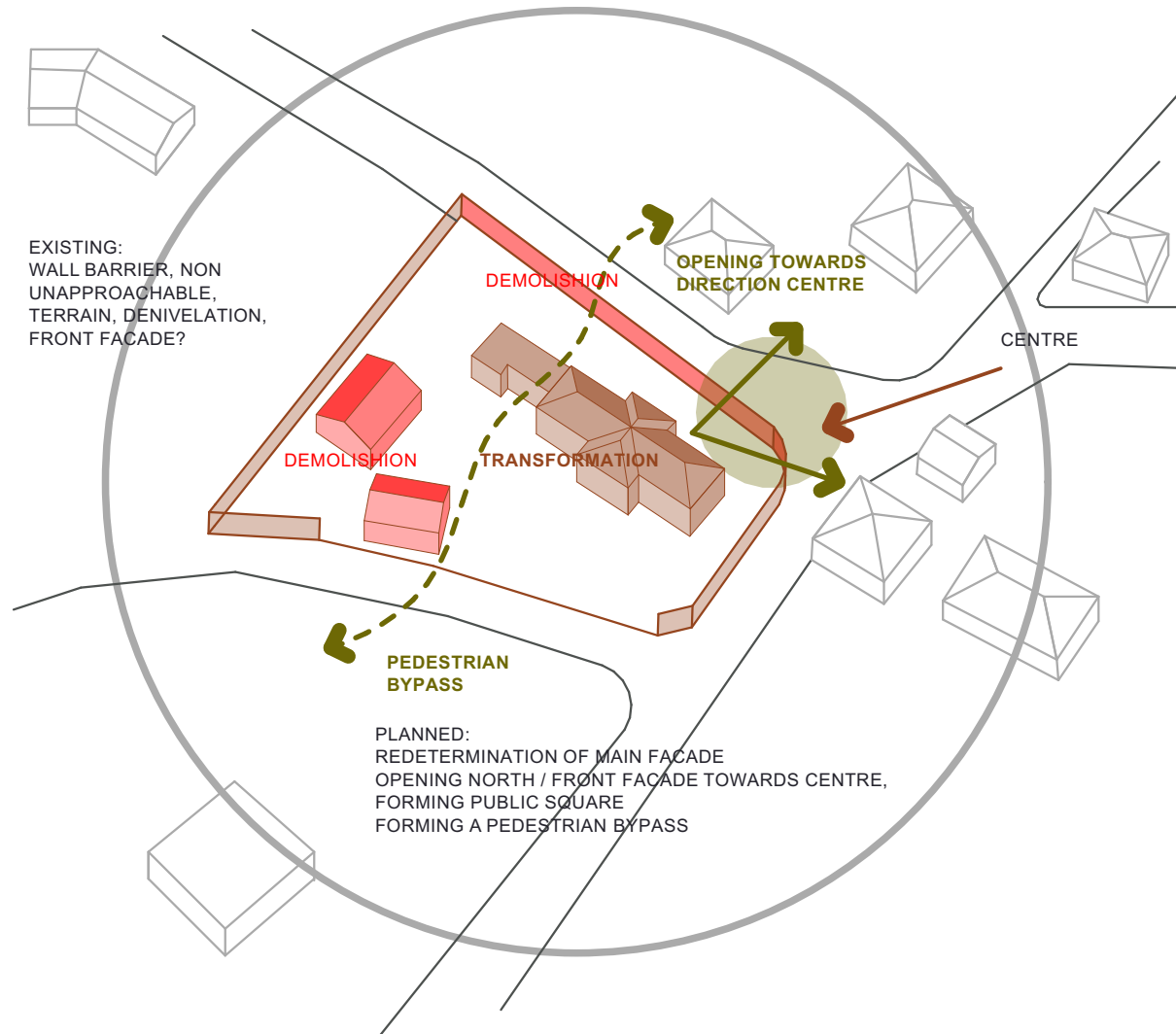
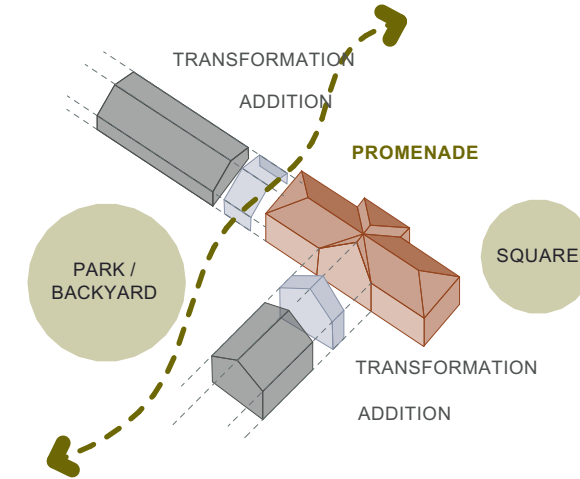
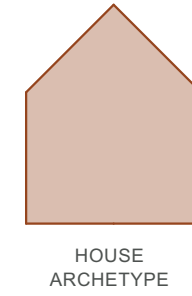
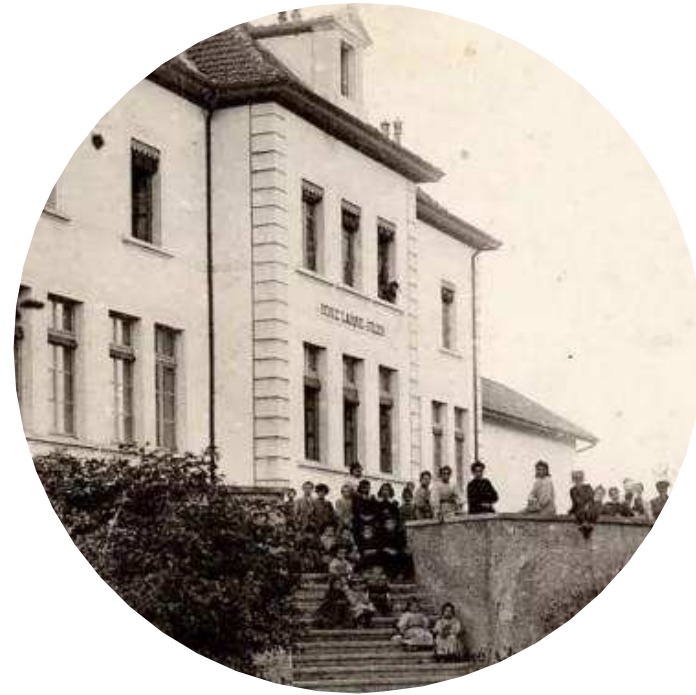
SURROUNDINGS



ZONE CHIMILIN - RECONSTRUCTION

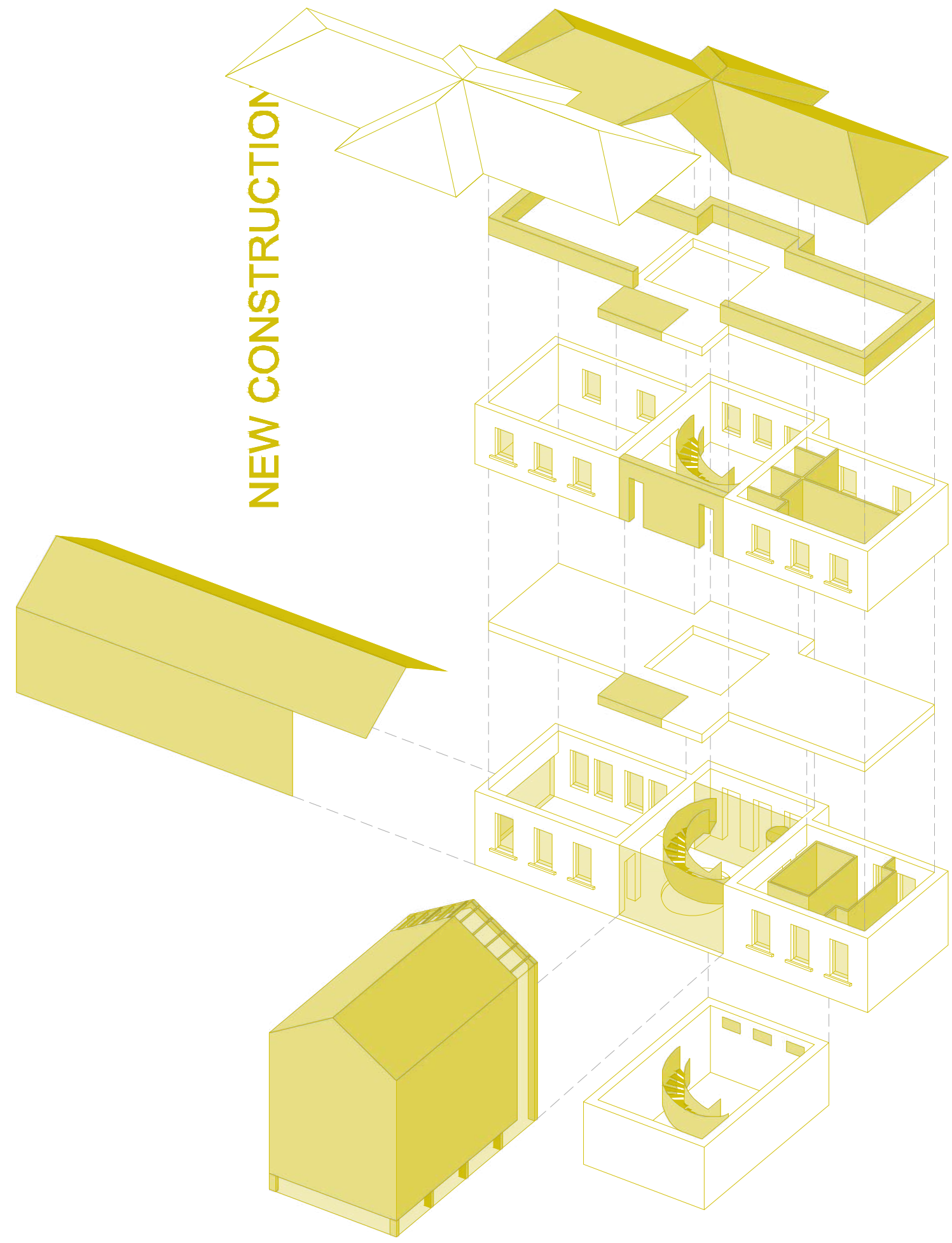
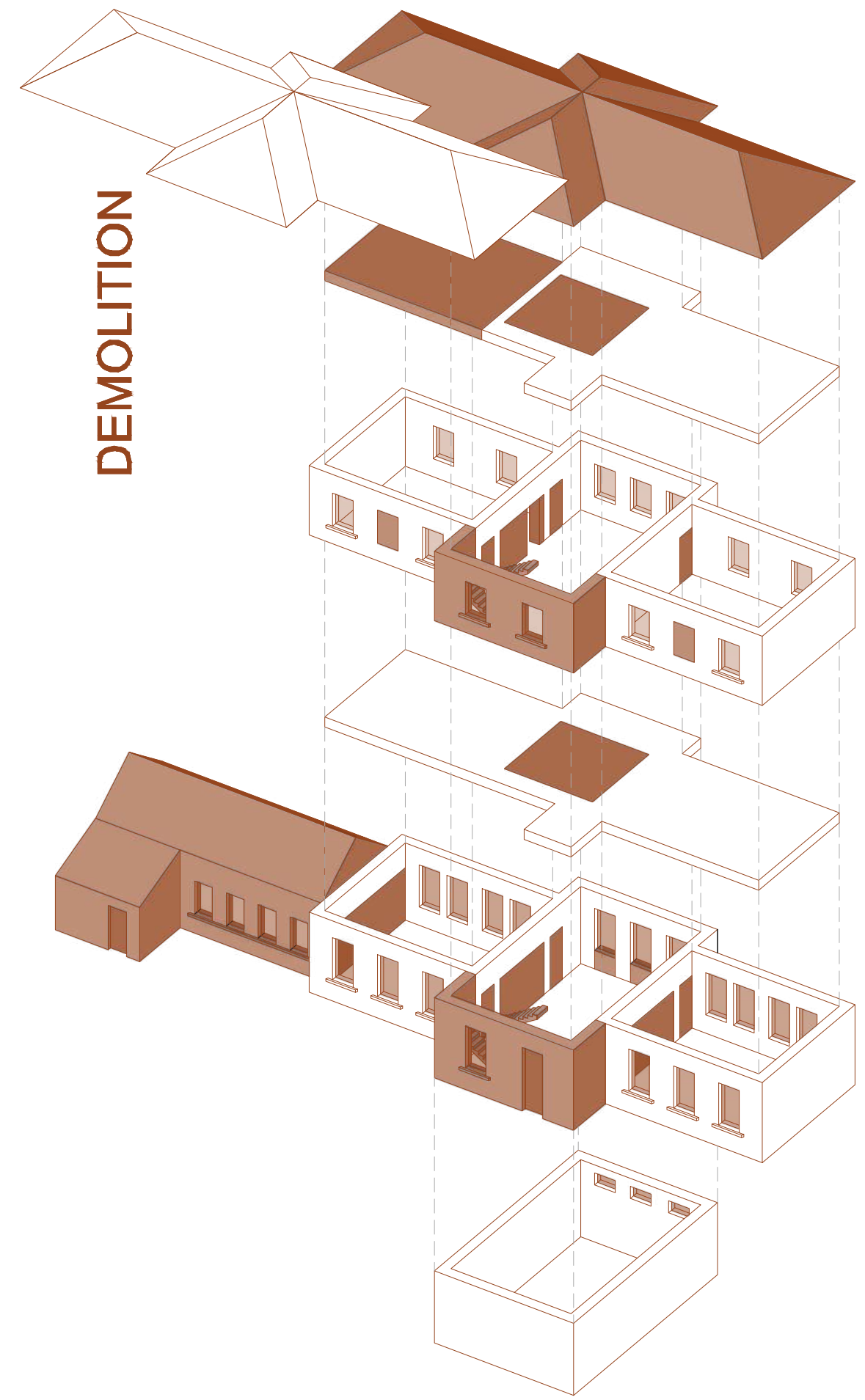
CONCEPT

Architecture Student Contest
 THE DIALOGUES :: Team #13 :: 20th International Edition, NORD ISÈRE 2025



ZONE CHIMILIN - RECONSTRUCTION

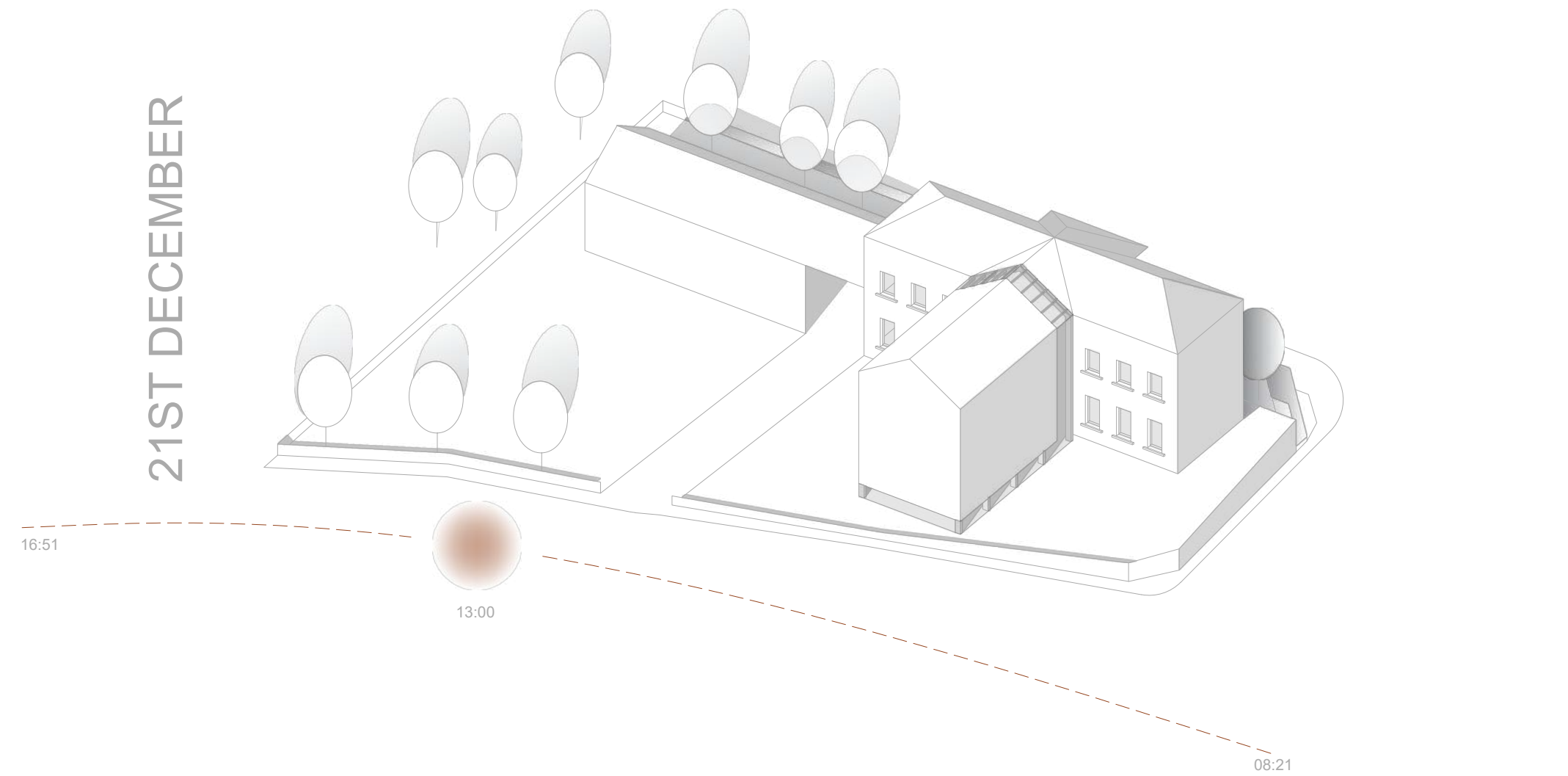
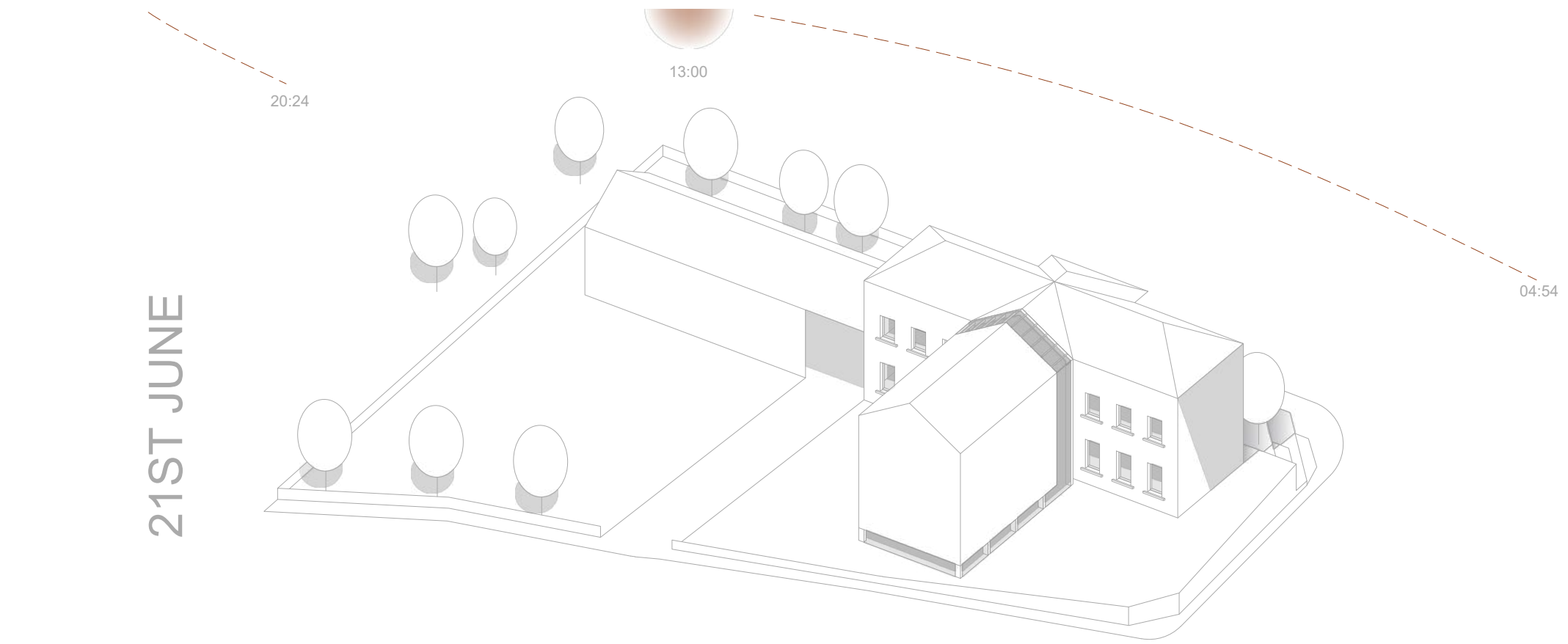
Architecture Student Contest
THE DIALOGUES :: Team #13 :: 20th International Edition, NORD ISÈRE 2025



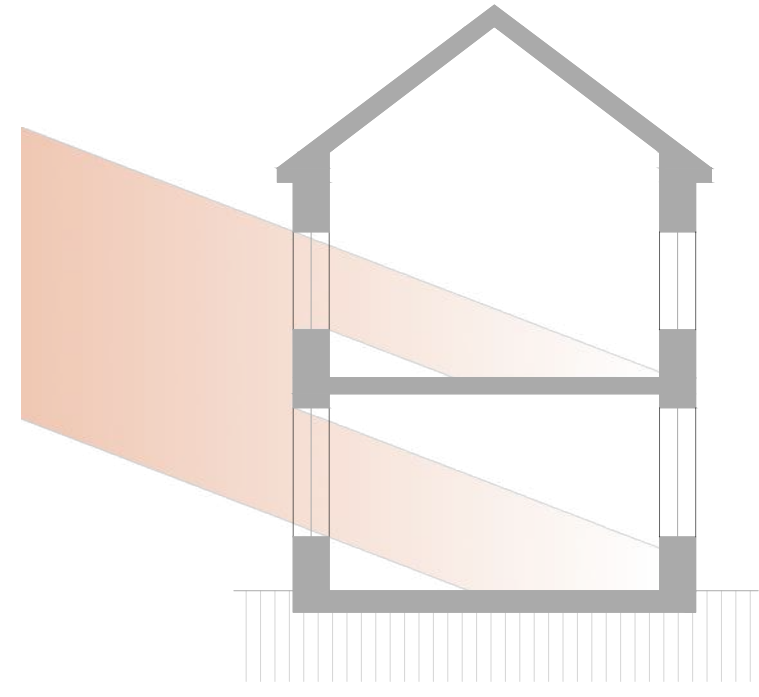
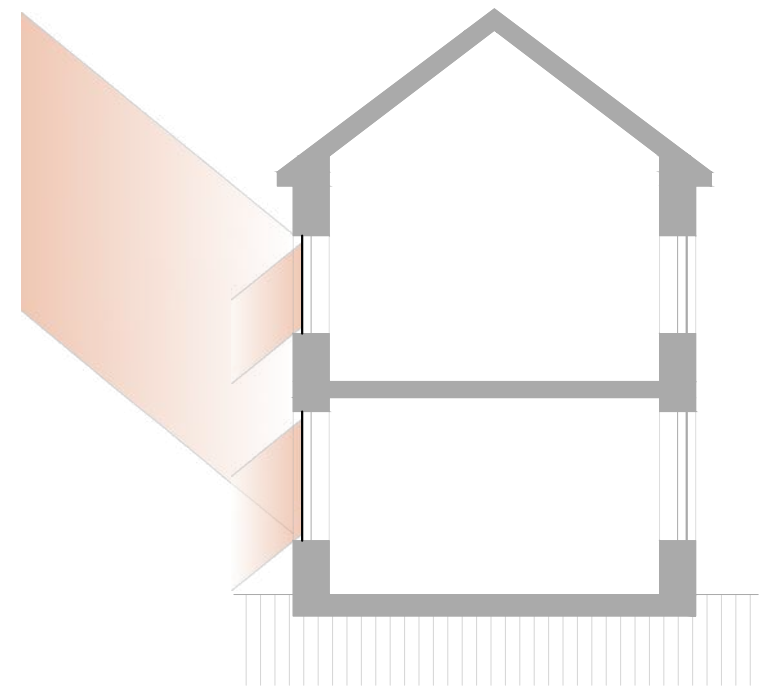
ZONE CHIMILIN - RECONSTRUCTION

21ST JUNE

21ST DECEMBER



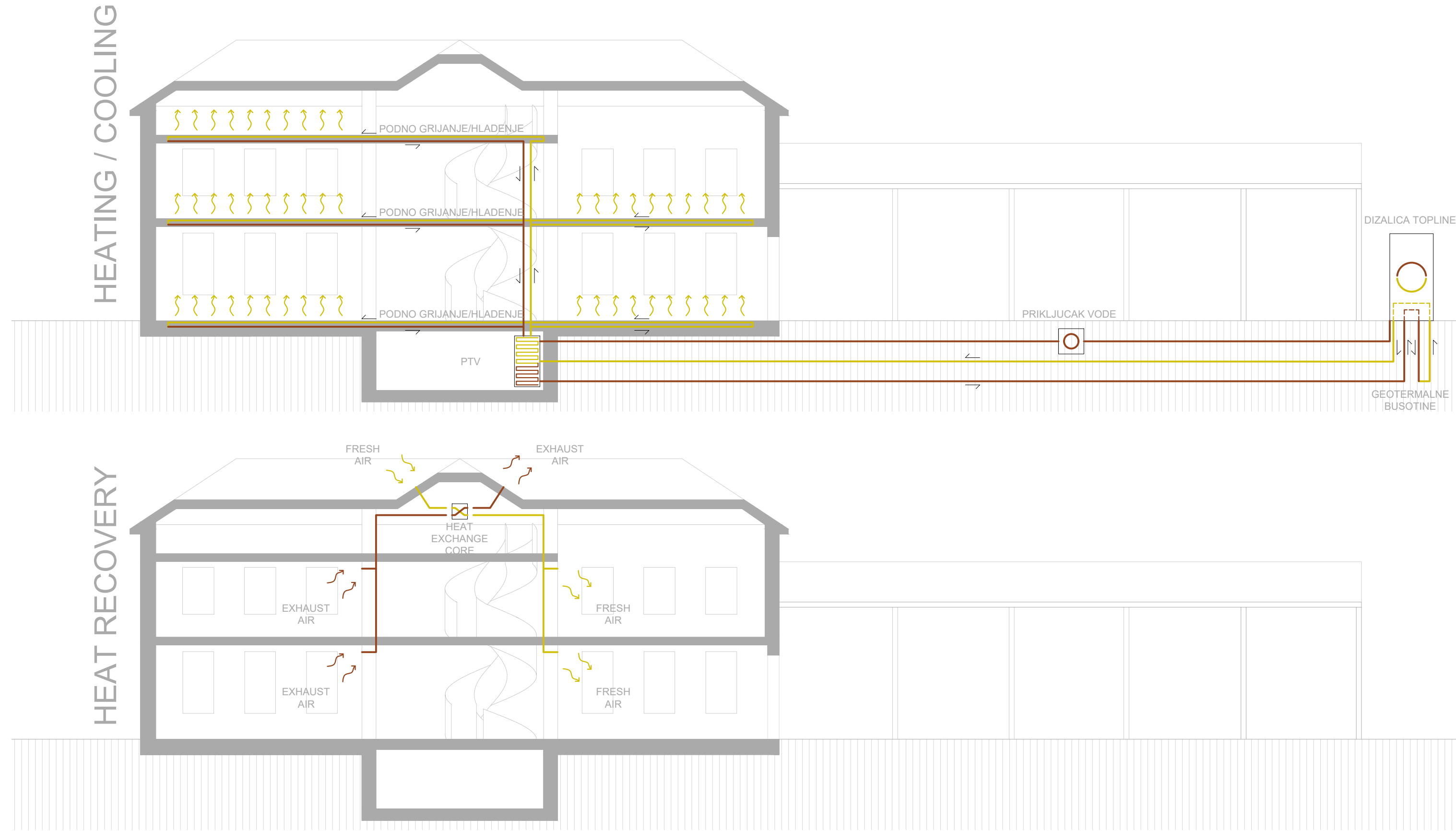
SUNLIGHT EXPOSURE



ZONE CHIMILIN - RECONSTRUCTION

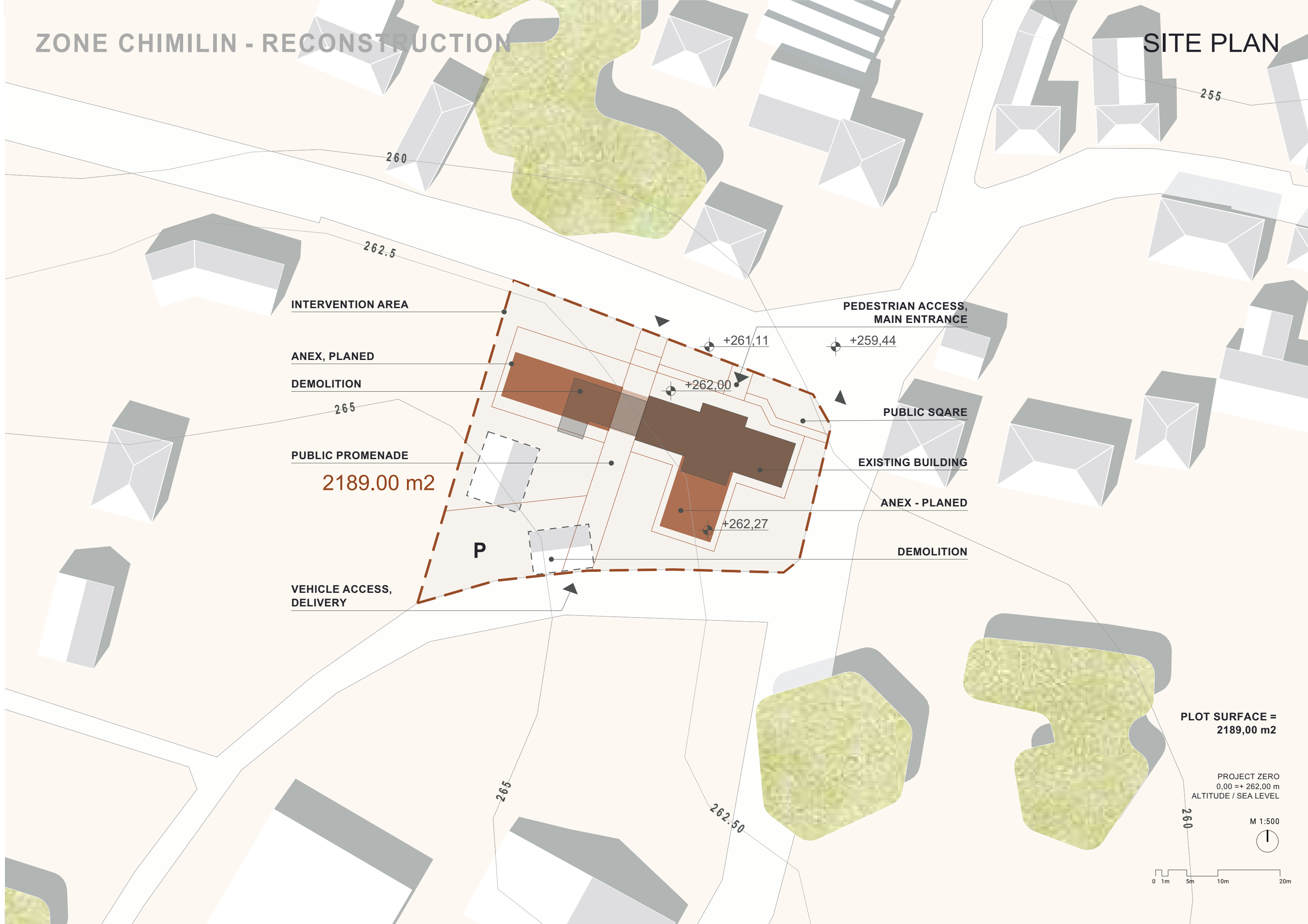
HVAC

Architecture Student Contest
THE DIALOGUES :: Team #13 :: 20th International Edition, NORD ISÈRE 2025



ZONE CHIMILIN - RECONSTRUCTION

SITE PLAN



ZONE CHIMILIN - RECONSTRUCTION

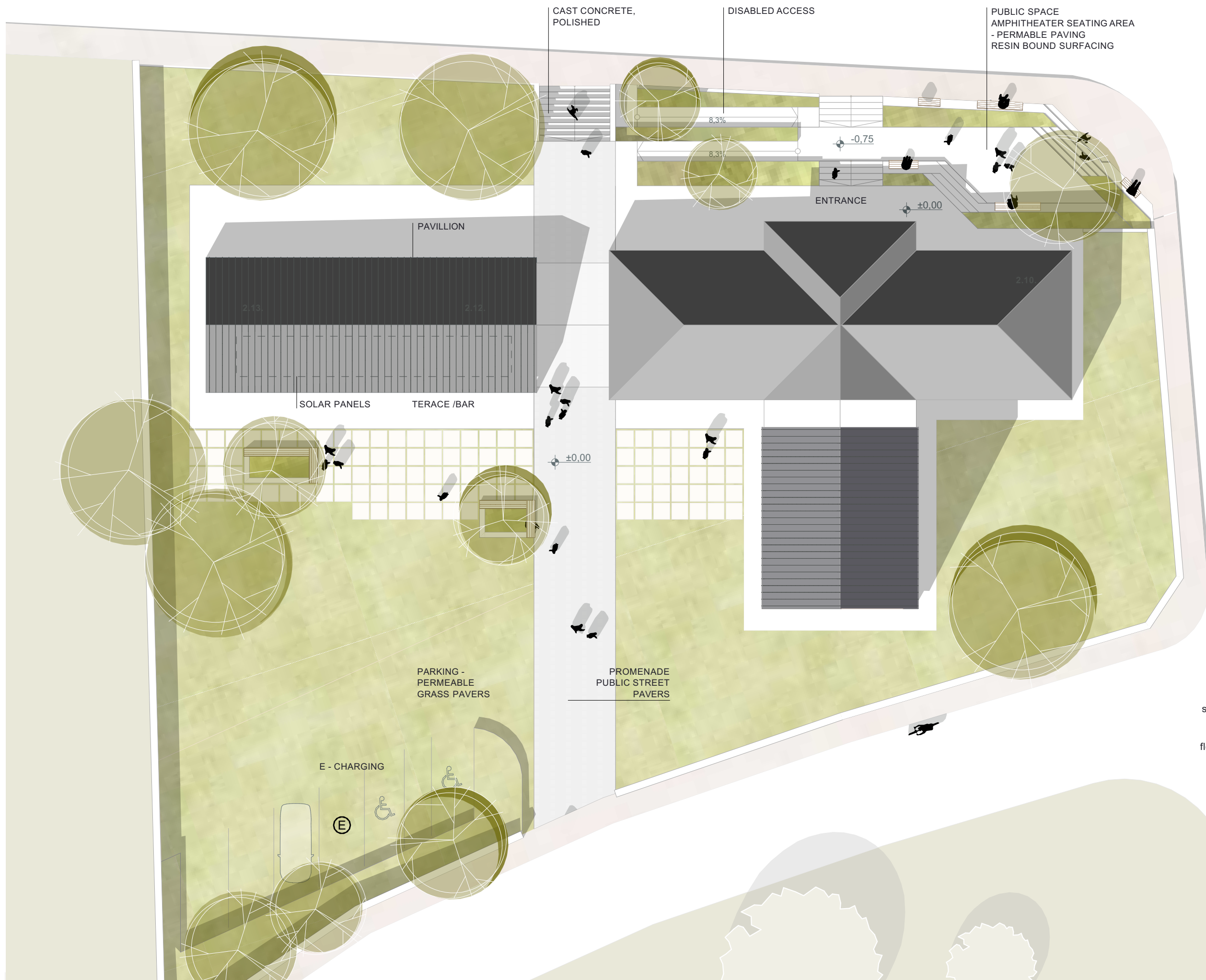
CLAY MODEL



ZONE CHIMILIN - RECONSTRUCTION

LANDSCAPE

Architecture Student Contest
 THE DIALOGUES :: Team #13 :: 20th International Edition, NORD ISÈRE 2025



MATERIALS



STAIRS - CAST CONCRETE, POLISHED



SEATING - STRAIGHT TIMBER BENCH



WALKING SURFACES - PERMEABLE PAVING RESIN BONDED GRAVEL



STAIRS - POLISHED CONCRETE WITH INTEGRATED LIGHTS

PLANTING

- common linden *Tilia* sp.
- sweetgum *Liquidambar* sp.
- beech *Fagus* sp.
- japanese maple *Acer* sp.
- flowering cherry *Prunus* sp.
- wild privet *Ligustrum* sp.
- ivy *Hedera* sp.
- periwinkle *Vinca* sp.
- ornamental grasses



PARKING - PERMEABLE GRASS PAVERS

M 1:200



Architecture Student Contest
THE DIALOGUES :: Team #13 :: 20th International Edition, NORD ISÈRE 2025



Architecture Student Contest
THE DIALOGUES :: Team #13 :: 20th International Edition, NORD ISÈRE 2025



Architecture Student Contest
THE DIALOGUES :: Team #13 :: 20th International Edition, NORD ISÈRE 2025



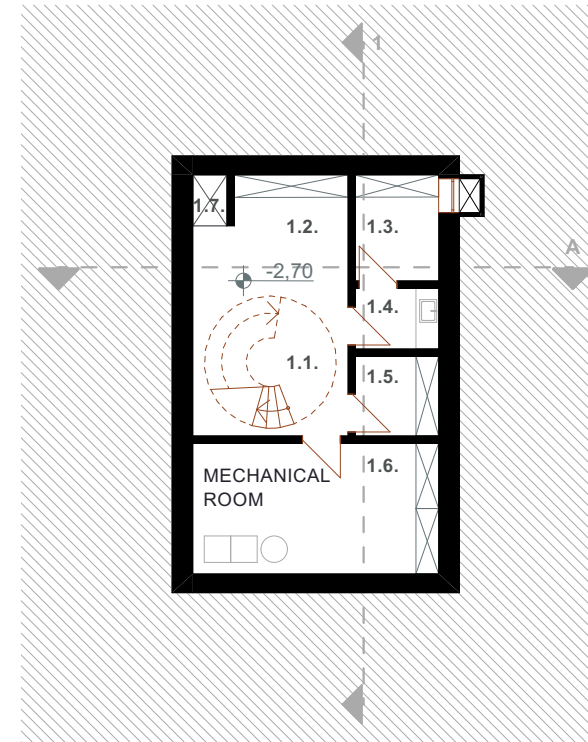
ZONE CHIMILIN - RECONSTRUCTION

FLOOR PLAN, BASEMENT

Architecture Student Contest
 THE DIALOGUES :: Team #13 :: 20th International Edition, NORD ISÈRE 2025

NET AREA

NUMBER	ROOM	AREA (m2)
BASEMENT		
1.1.	stairwell	9,8
1.2.	storage A	18,5
1.3.	stuff	6,2
1.4.	utility	3,5
1.5.	storage B	4,6
1.6.	mechanical room	22,4
GROUND FLOOR		
2.1.	entrance / patio	7,4
2.2.	lobby	42,3
2.3.	auditorium / hall	90,3
2.4.	cafeteria	54,0
2.5.	reception	6,4
2.6.	auditorium storage	4,8
2.7.	restroom disabled	3,5
2.8.	cloakroom	9,4
2.9.	restroom men	6,5
2.10.	restroom women	6,5
2.11.	corridor	6,6
2.11.	corridor	6,6
2.12.	outdoor hall	91,9
2.13.	utility / storage	29,4
1ST FLOOR		
3.1.	individual workspace	8,9
3.2.	lobby	20,5
3.3.	media room / library	52,3
3.4.	office / assistant	9,7
3.5.	office / manager	13,1
3.6.	office 1	19,0
3.7.	office 2	19,8
3.8.	restroom men	3,0
3.9.	restroom women	3,0
3.10.	corridor	2,0
3.10.	corridor	2,8
ATTIC		
3.6.	office 1	19,0
4.1.	workspace	34,8
4.2.	archive	52,0
4.3.	corridor	18,1
		708,6 m²

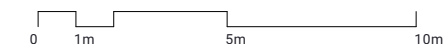


LEGENDS

- 1.1. STAIRWELL
- 1.2. STORAGE A
- 1.3. STUFF
- 1.4. UTILITY
- 1.5. STORAGE B
- 1.6. MECHANICAL ROOM
- 1.7. ELEVATOR

PROJECT ZERO
0,00 =+ 262,00 m
ALTITUDE / SEA LEVEL

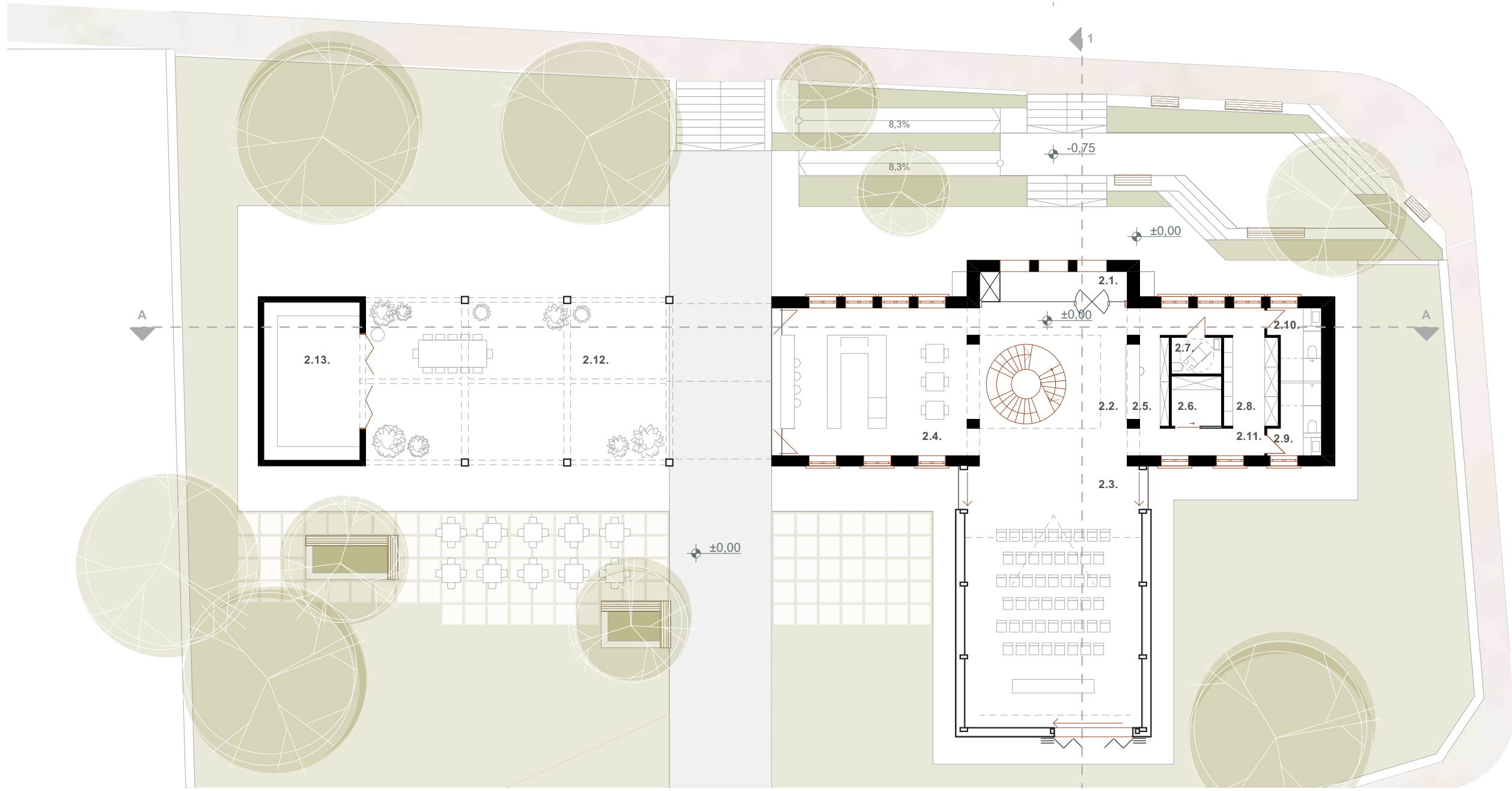
M 1:200



ZONE CHIMILIN - RECONSTRUCTION

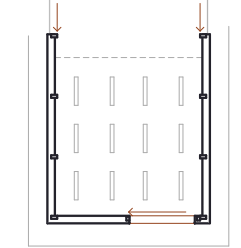
FLOOR PLAN, GROUND FLOOR

Architecture Student Contest
 THE DIALOGUES :: Team #13 :: 20th International Edition, NORD ISÈRE 2025

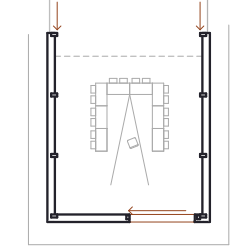


- LEGENDS**
- 2.1. ENTRANCE / PATIO
 - 2.2. LOBBY
 - 2.3. AUDITORIUM / HALL
 - 2.4. CAFETERIA
 - 2.5. RECEPTION
 - 2.6. AUDITORIUM STORAGE
 - 2.7. RESTROOM DISABLED
 - 2.8. CLOAK ROOM
 - 2.9. RESTROOM MEN
 - 2.10. RESTROOM WOMEN
 - 2.11. CORRIDOR
 - 2.12. OUTDOOR HALL
 - 2.13. UTILITY / STORAGE

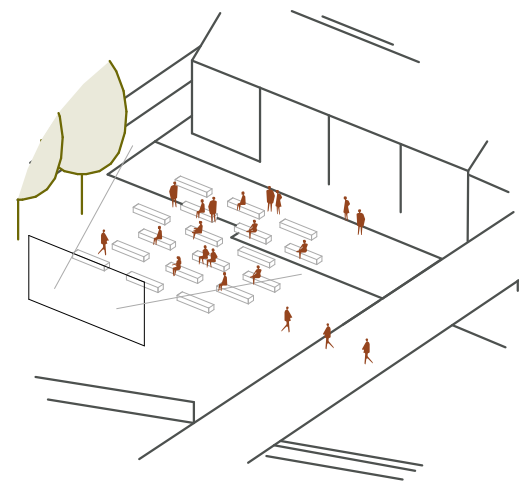
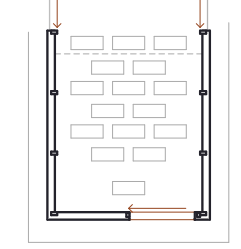
EXIBITIONS, ART EVENTS



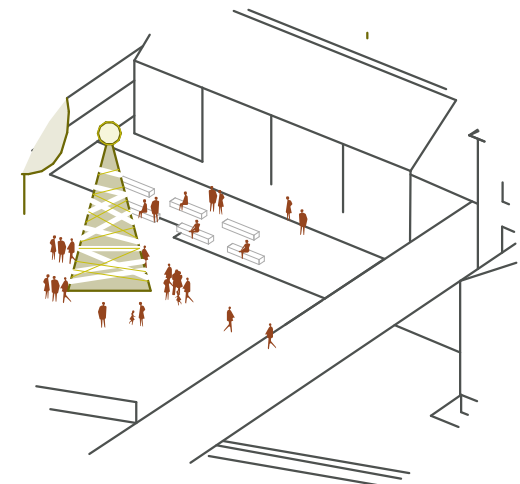
WORKSHOPS, EDUCATIONAL, CRAFTING



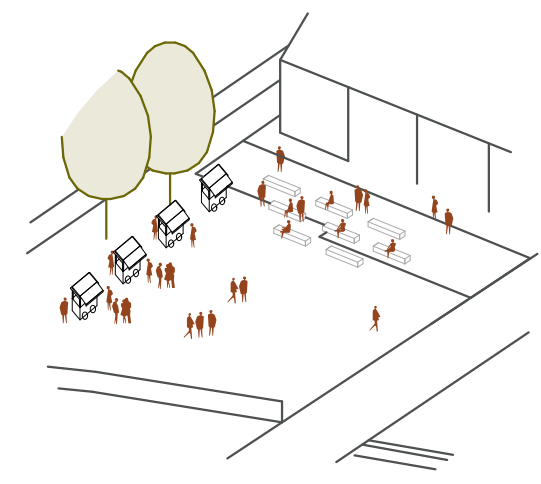
YOGA, SPORT, CHOIR REHEARSAL



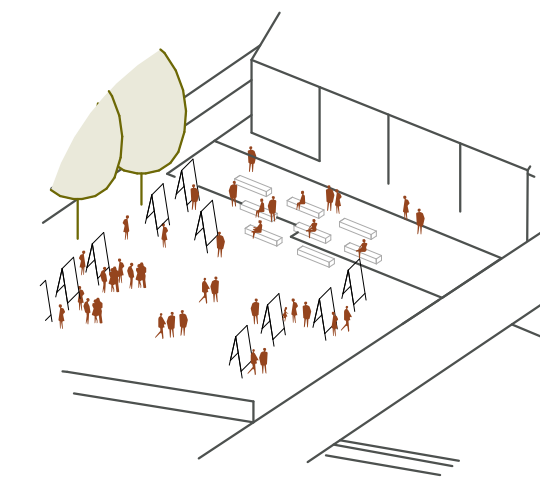
OPEN AIR CINEMA, CONCERTS



SEASONAL EVENTS



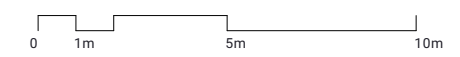
FAIRS, CHARITY



EXIBITIONS, ART EVENTS

PROJECT ZERO
0,00 =+ 262,00 m
ALTITUDE / SEA LEVEL

M 1:200

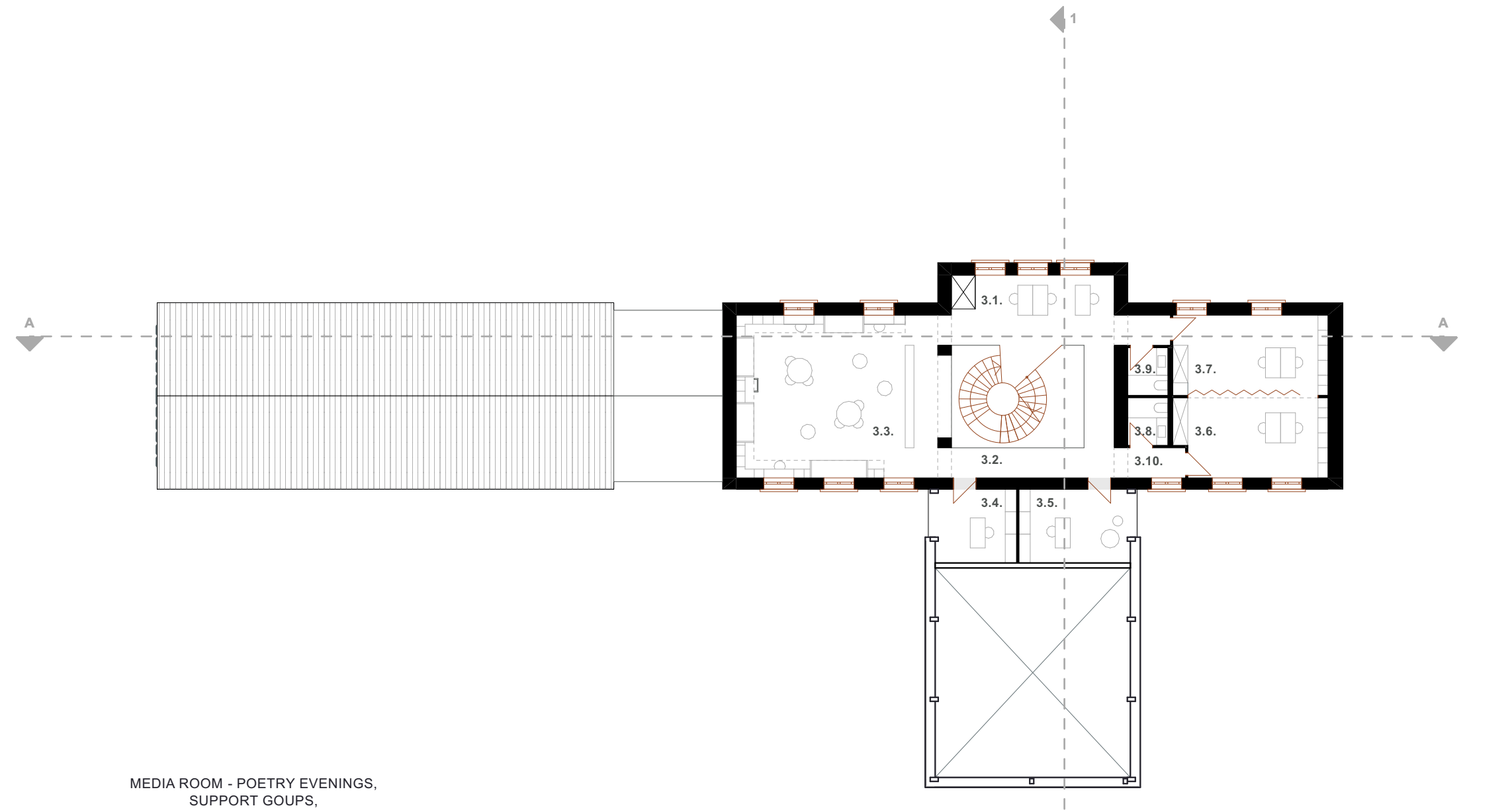


ZONE CHIMILIN - RECONSTRUCTION

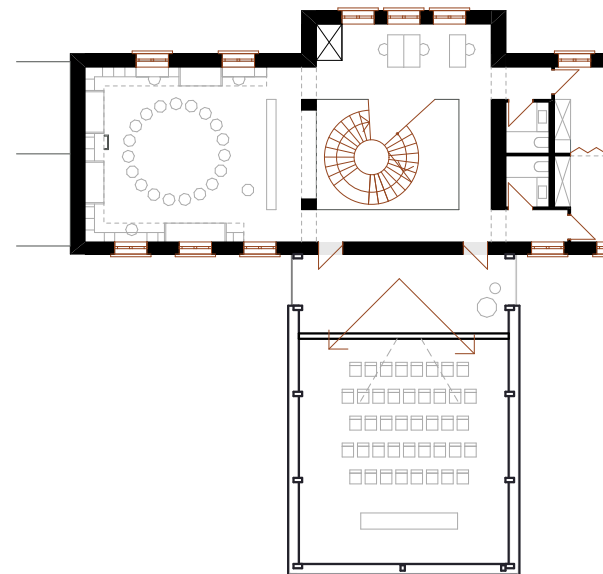
FLOOR PLAN, 1ST FLOOR

Architecture Student Contest
 THE DIALOGUES :: Team #13 :: 20th International Edition, NORD ISÈRE 2025

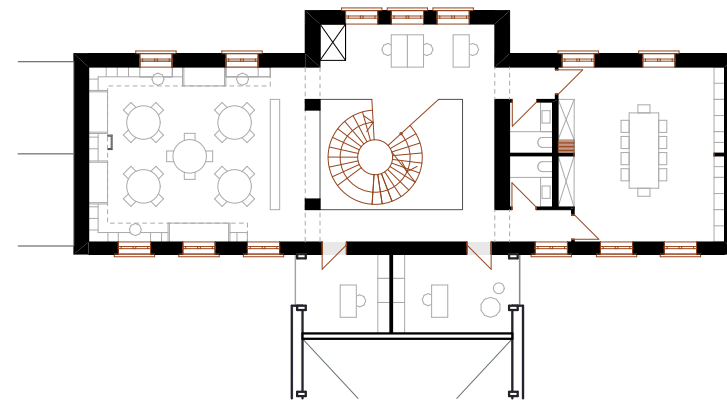
- LEGENDS
- 3.1. INDIVIDUAL WORKSPACE
 - 3.2. LOBBY
 - 3.3. MEDIA ROOM / LIBRARY
 - 3.4. OFFICE
 - 3.5. OFFICE / MANAGER
 - 3.6. OFFICE 1
 - 3.7. OFFICE 2
 - 3.8. RESTROOM MEN
 - 3.9. RESTROOM WOMEN
 - 3.10. CORRIDOR



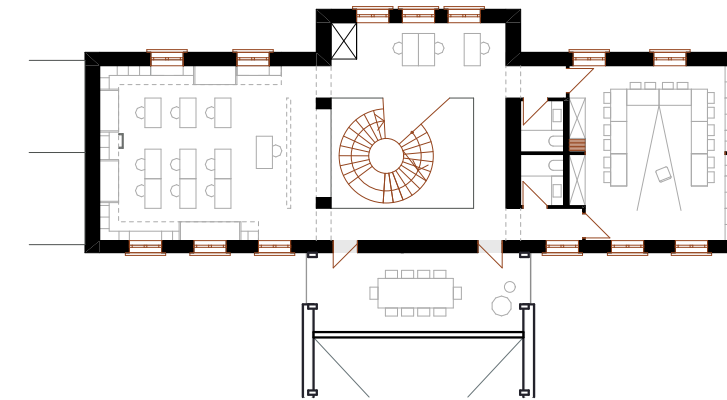
MEDIA ROOM - POETRY EVENINGS,
SUPPORT GROUPS,
GALLERY AS AUDITORIUM



MEDIA ROOM - CRAFTING,
OFFICES- MEETING ROOM

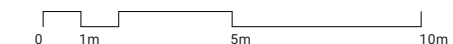


MEDIA ROOM - STUDY GROUPS
OFFICES- LECTURING,
GALLERY - MEETING ROOM



PROJECT ZERO
0,00 =+ 262,00 m
ALTITUDE / SEA LEVEL

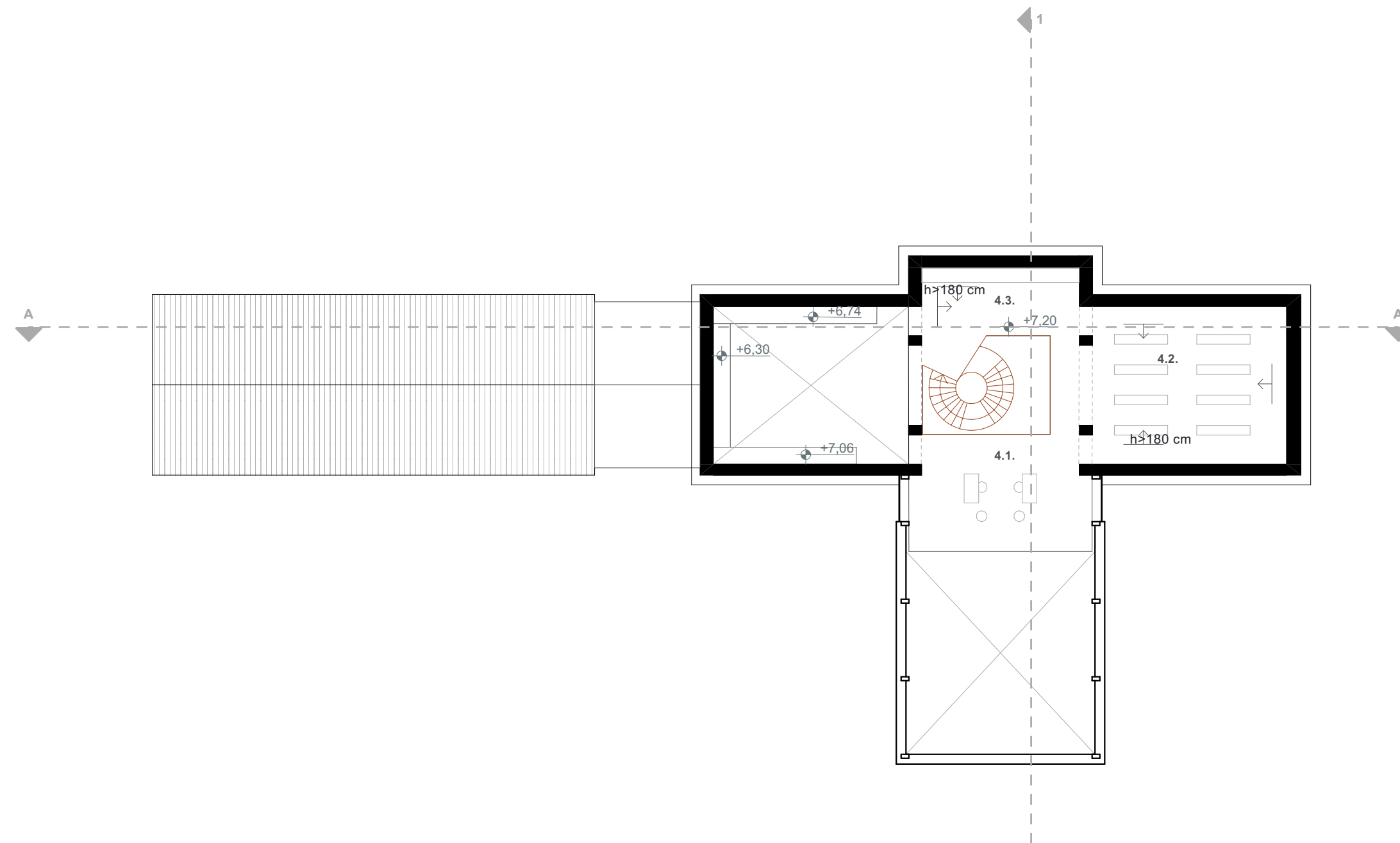
M 1:200



ZONE CHIMILIN - RECONSTRUCTION

FLOOR PLAN, ATTIC

Architecture Student Contest
THE DIALOGUES :: Team #13 :: 20th International Edition, NORD ISÈRE 2025



- LEGENDS
- 4.1. WORKSPACE
 - 4.2. ARCHIVE
 - 4.3. CORRIDOR

PROJECT ZERO
0,00 =+ 262,00 m
ALTITUDE / SEA LEVEL

M 1:200



ZONE CHIMILIN - RECONSTRUCTION

SECTION A-A

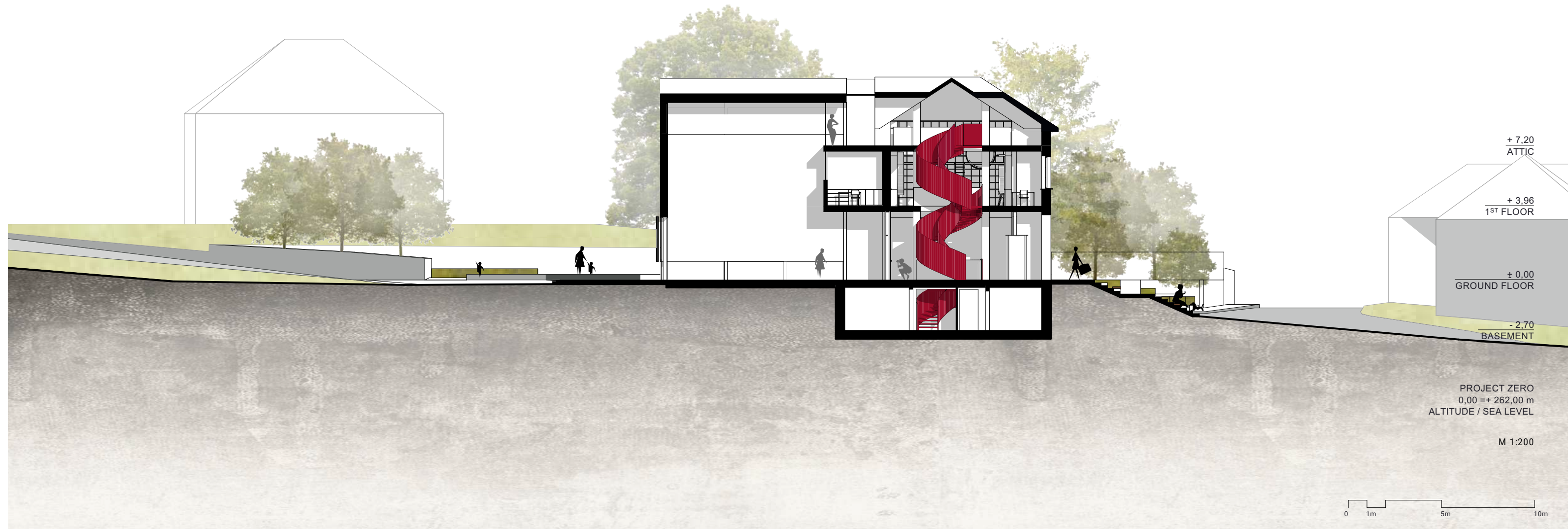
Architecture Student Contest
THE DIALOGUES :: Team #13 :: 20th International Edition, NORD ISÈRE 2025



ZONE CHIMILIN - RECONSTRUCTION

SECTION 1-1

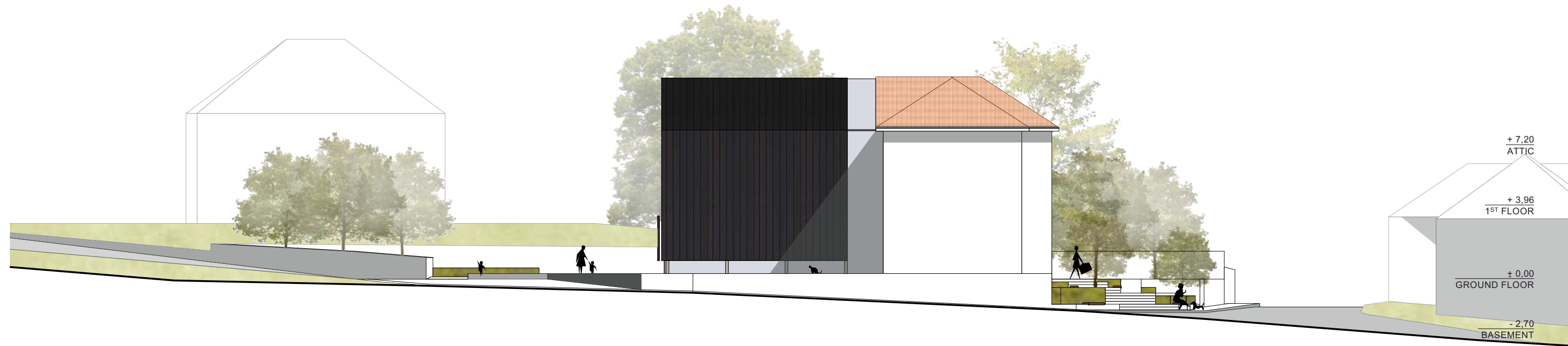
Architecture Student Contest
THE DIALOGUES :: Team #13 :: 20th International Edition, NORD ISÈRE 2025



ZONE CHIMILIN - RECONSTRUCTION

EAST ELEVATION

Architecture Student Contest
THE DIALOGUES :: Team #13 :: 20th International Edition, NORD ISÈRE 2025



PROJECT ZERO
0,00 =+ 262,00 m
ALTITUDE / SEA LEVEL

M 1:200



ZONE CHIMILIN - RECONSTRUCTION

NORTH ELEVATION

Architecture Student Contest
THE DIALOGUES :: Team #13 :: 20th International Edition, NORD ISÈRE 2025



PROJECT ZERO
0,00 =+ 262,00 m
ALTITUDE / SEA LEVEL

M 1:200



ZONE CHIMILIN - RECONSTRUCTION

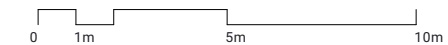
SOUTH ELEVATION

Architecture Student Contest
THE DIALOGUES :: Team #13 :: 20th International Edition, NORD ISÈRE 2025



PROJECT ZERO
0,00 =+ 262,00 m
ALTITUDE / SEA LEVEL

M 1:200



ZONE CHIMILIN - RECONSTRUCTION

WEST ELEVATION

Architecture Student Contest
THE DIALOGUES :: Team #13 :: 20th International Edition, NORD ISÈRE 2025



PROJECT ZERO
0,00 =+ 262,00 m
ALTITUDE / SEA LEVEL

M 1:200



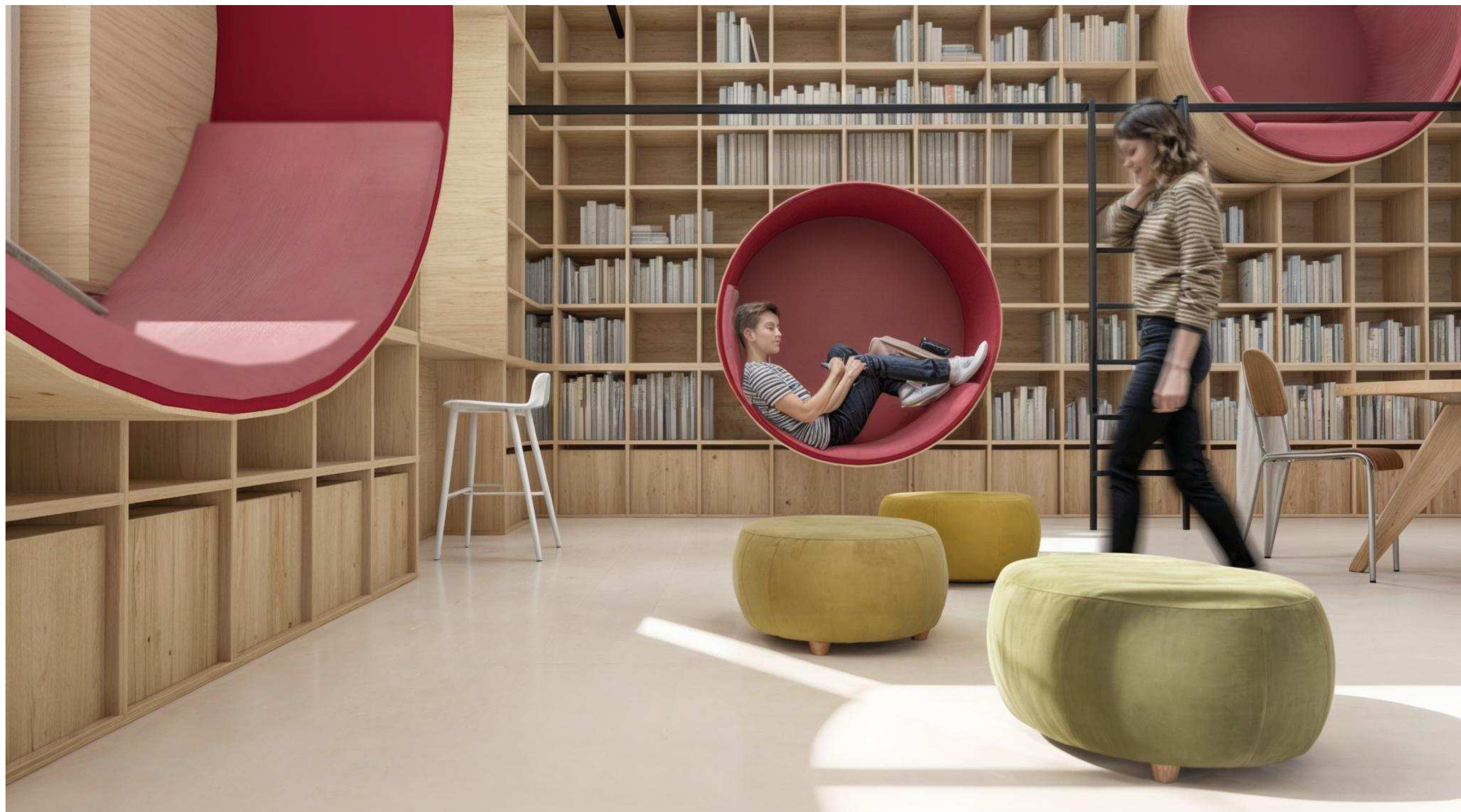














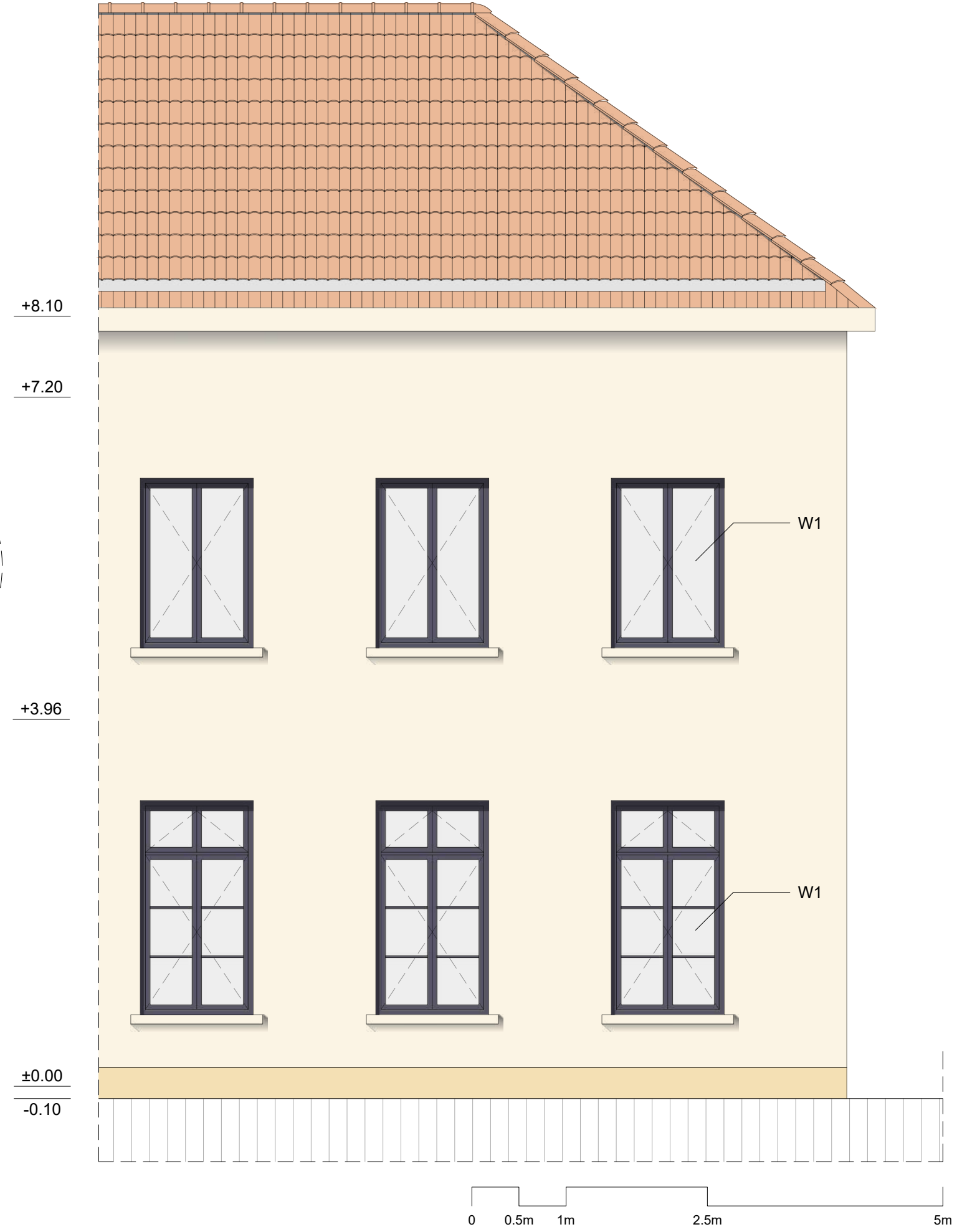
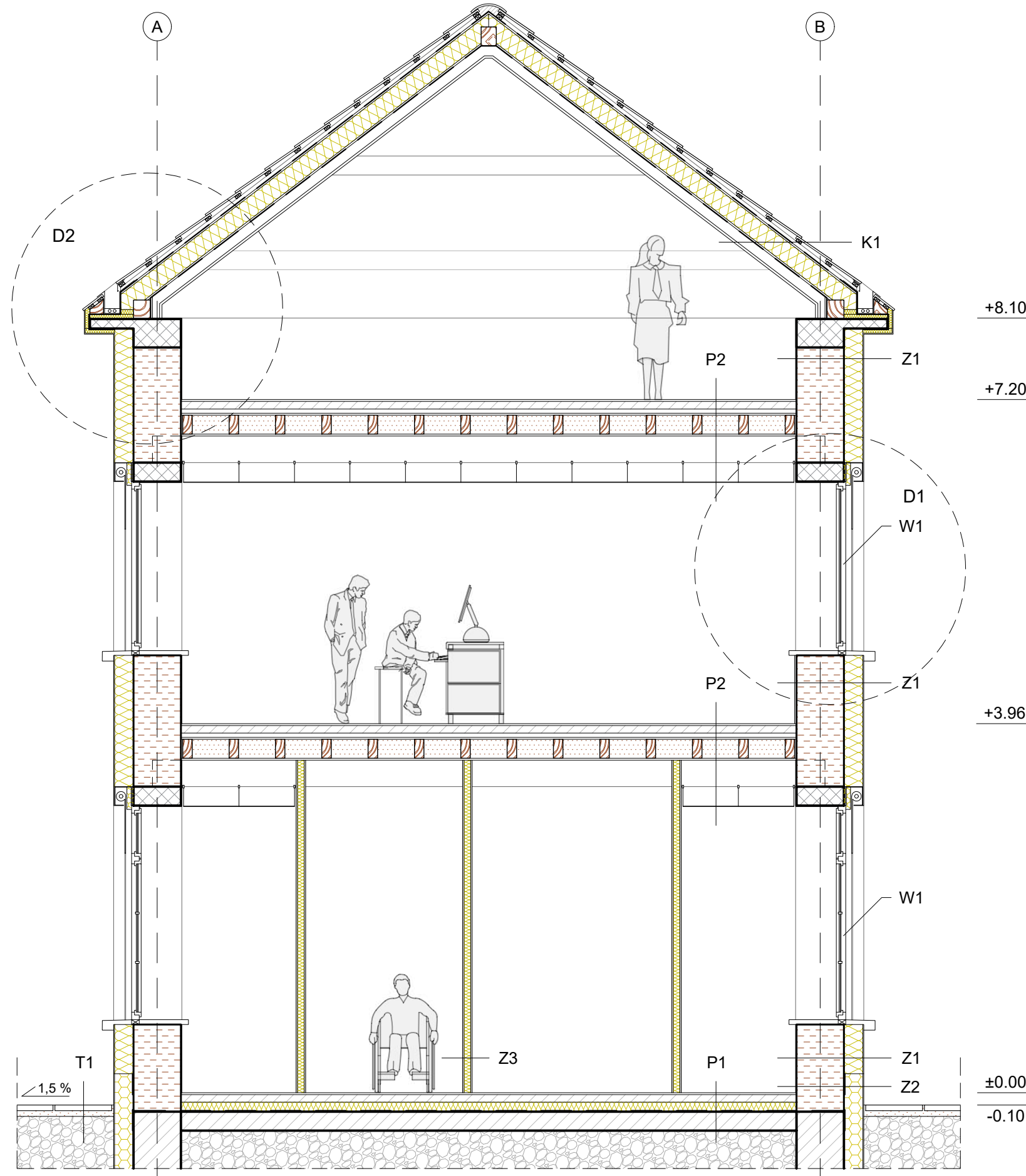
Architecture Student Contest
THE DIALOGUES :: Team #13 :: 20th International Edition, NORD ISÈRE 2025



ZONE CHIMILIN - RECONSTRUCTION

SECTION M1:50

Architecture Student Contest
THE DIALOGUES :: Team #13 :: 20th International Edition, NORD ISÈRE 2025



ZONE CHIMILIN - RECONSTRUCTION

CONSTRUCTION LAYERS SPECIFICATION

P1 - 20 cm U = 0.325 W/m²K

- Floor covering - parquet - 2.4 cm
- Parquet adhesive - 1 cm
- Cement screed - 8 cm
- Insulation foil - Isover Fonas 31
- Hard mineral stone wool boards Isover T-P - 10 cm
- Two-component H.I. - weber.tec D-max 2K
- Existing AB floor slab

P2 - 17 cm

- Floor covering - parquet - 2.4 cm
- Parquet glue - 1 cm
- Cement screed - 8 cm
- Insulation foil - Isover Fonas 31
- Sound insulation panels Isover TDSP 45 - 4.5 cm
- Boarded formwork - 2.4 cm
- Existing ceiling beams h = 20 cm (between rubble)
- Suspended ceiling - Ecophon Master Ds - 20 cm

K1 - 50 cm U = 0.154 W/m²K

- Roof tiles
- Transverse battens - 5/3 cm
- Longitudinal battens - 5/3 cm (ventilating layer)
- Waterproofing membrane - weberdry roof
- Wood boards - 2.4 cm
- Mineral wool - Isover Uniroll plus G3 - 20 cm (16/20 rafter)
- Wood boards - 2.4 cm
- Vapor barrier - Isover Vario KM Duplex
- Gypsum board - Rigips RBI board - 2 x 1.25 cm with 10 cm substructure
- Primer - weber.prim 801
- Interior paint - weber.deko polikolor

Z1 - 75 cm U = 0.154 W/m²K

- Facade paint - weber.ton 410 AquaBalance
- Primer - weber.prim 403
- Weber facade mesh 4x4 mm
- Cement-free reinforcement base - weber.therm demit line
- Mineral wool boards - weber.therm MW 04
- Facade circle - 20 cm
- Insulation adhesive - weber.therm 304
- Existing rammed earth wall - 50 cm
- Repair plaster - webersan evoluzione
- Primer - weber.prim 801
- Interior paint - weber.deko polikolor

Z2 - 75 cm

- Facade paint - weber.ton 410 AquaBalance
- Primer - weber.prim 403
- Weber facade mesh 4x4 mm
- Cement-free reinforcement base - weber.therm demit line
- Extruded polystyrene boards - Isover Styrodur 2800 C 200 - 20 cm
- Insulation adhesive - weber.therm 304
- Existing rammed earth wall - 50 cm
- Repair plaster - webersan evoluzione
- Primer - weber.prim 801
- Interior paint - weber.deko polikolor

Z3 - 10 cm

- Interior paint - weber.deko polikolor
- Primer - weber.prim 801
- Gypsum board - Rigips RBI board - 1.25 cm
- Mineral wool - Isover Uniroll plus G3 - 7.5 cm
- Gypsum board - Rigips RBI board - 1.25 cm
- Primer - weber.prim 801
- Interior paint - weber.deko polikolor

T1 - 12 cm

- Stone paving - 6 cm
- Crushed stone layer - 6 cm
- Geotextile
- Packed gravel

W1

- Saint-Gobain low emissivity glas ECLAZ® (II)

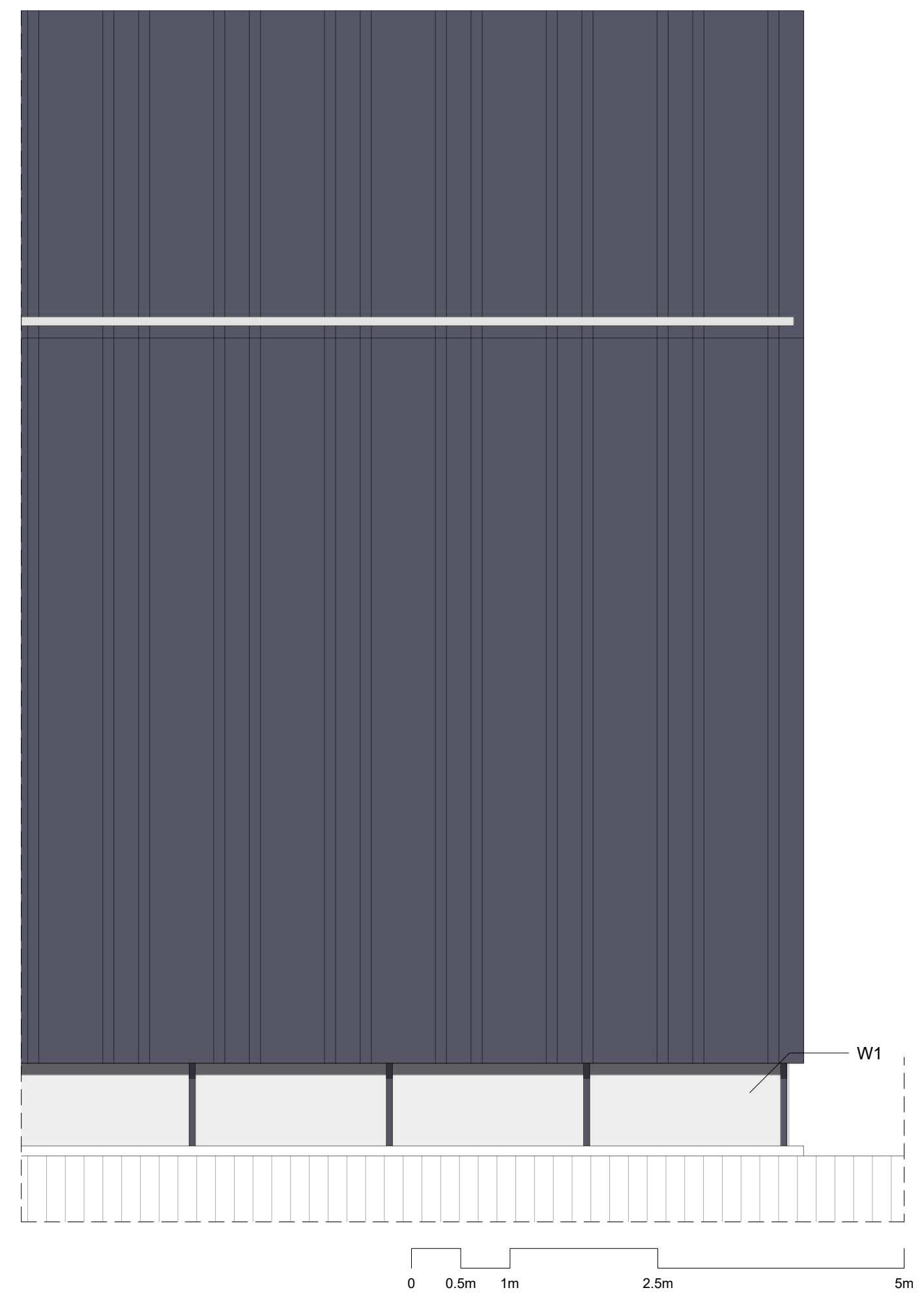
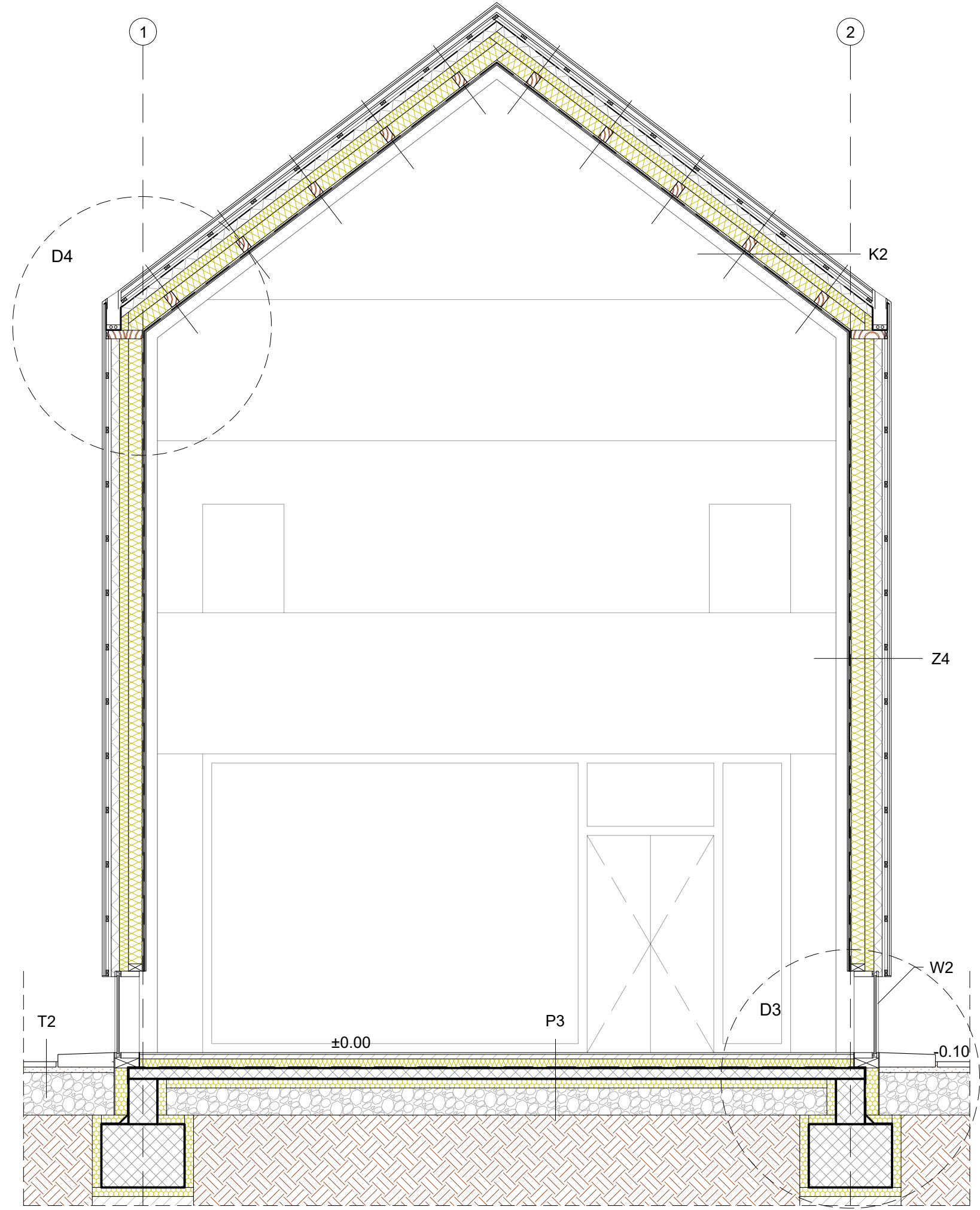
Light transmission = 77%

Solar factor = 54%

Ug = 1.0 W/m²K

ZONE CHIMILIN - RECONSTRUCTION

SECTION ANEX M1:50



ZONE CHIMILIN - RECONSTRUCTION

P3 - 40 cm U = 0.297 W/m²K

- Floor covering - parquet - 2.4 cm
- Parquet adhesive - 1 cm
- Cement screed - 5 cm
- Waterproofing foil - Isover Fonas 31
- Hard mineral stone wool boards Isover T-P - 10 cm
- Two-component waterproofing - weber.tec D-max 2K
- AB floor slab - 12 cm
- Extruded polystyrene boards - Isover Styrodur 2800 C 100 - 10 cm
- Compacted gravel

K2 - 65 cm U = 0.108 W/m²K

- Sheet metal covering - 2 cm
- Aluminum felt
- Sound insulation - Isover Fassade 50 - 5 cm
- OSB board - 1.8 cm
- Transverse slats - 5/3 cm
- Longitudinal slats - 5/3 cm (ventilating layer)
- Waterproofing membrane - weberdry roof
- Plasterboard for wind protection - Rigips Glasroc GTX 9 - 9 cm
- Mineral wool - Isover Uniroll plus G3 - 10 cm
- Mineral wool - Isover Uniroll plus G3 - 15 cm (between laminated columns)
- OSB board - 1.8 cm
- Vapour barrier - Isover Vario KM Duplex
- Gypsum board - Rigips RBI board - 1.25 cm with 10 cm substructure
- Primer - weber.prim 801
- Interior paint - weber.deko polikolor

CONSTRUCTION LAYERS SPECIFICATION

Z4 - 55 cm U = 0.123 W/m²K

- Sheet metal covering - 2 cm
- Aluminum felt
- OSB board - 1.8 cm
- Transverse slats - 5/3 cm
- Longitudinal slats - 5/3 cm (ventilating layer)
- Gypsum board for wind protection - Rigips Glasroc GTX 9 - 9 cm
- Mineral wool - Isover Uniroll plus G3 - 10 cm
- Mineral wool - Isover Uniroll plus G3 - 15 cm (between laminated columns)
- OSB board - 1.8 cm
- Vapotur barrier - Isover Vario KM Duplex
- Gypsum board - Rigips RBI board - 1.25 cm with substructure 10 cm
- Primer - weber.prim 801
- Interior paint - weber.deko polikolor

T1 - 12 cm

- Stone paving - 6 cm
- Layer of crushed stone - 6 cm
- Geotextile
- Packed gravel

W2

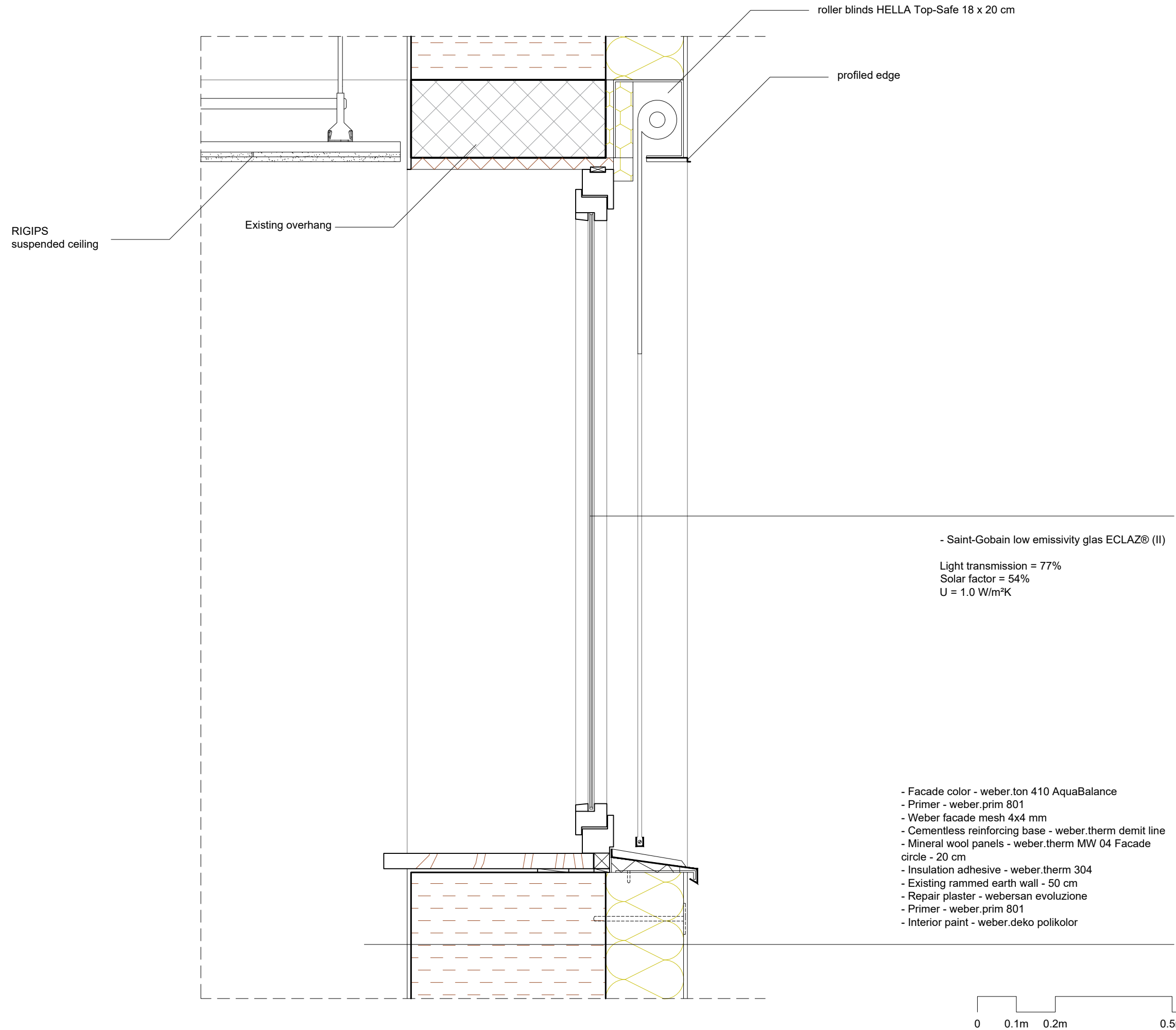
- Low-carbon glass ORAÉ Cool-Lite Xtreme 70/33 II

Light transmission = 70% Solar factor = 33%
U = 1.0 W/m²K

ZONE CHIMILIN - RECONSTRUCTION

DETAIL 1:10

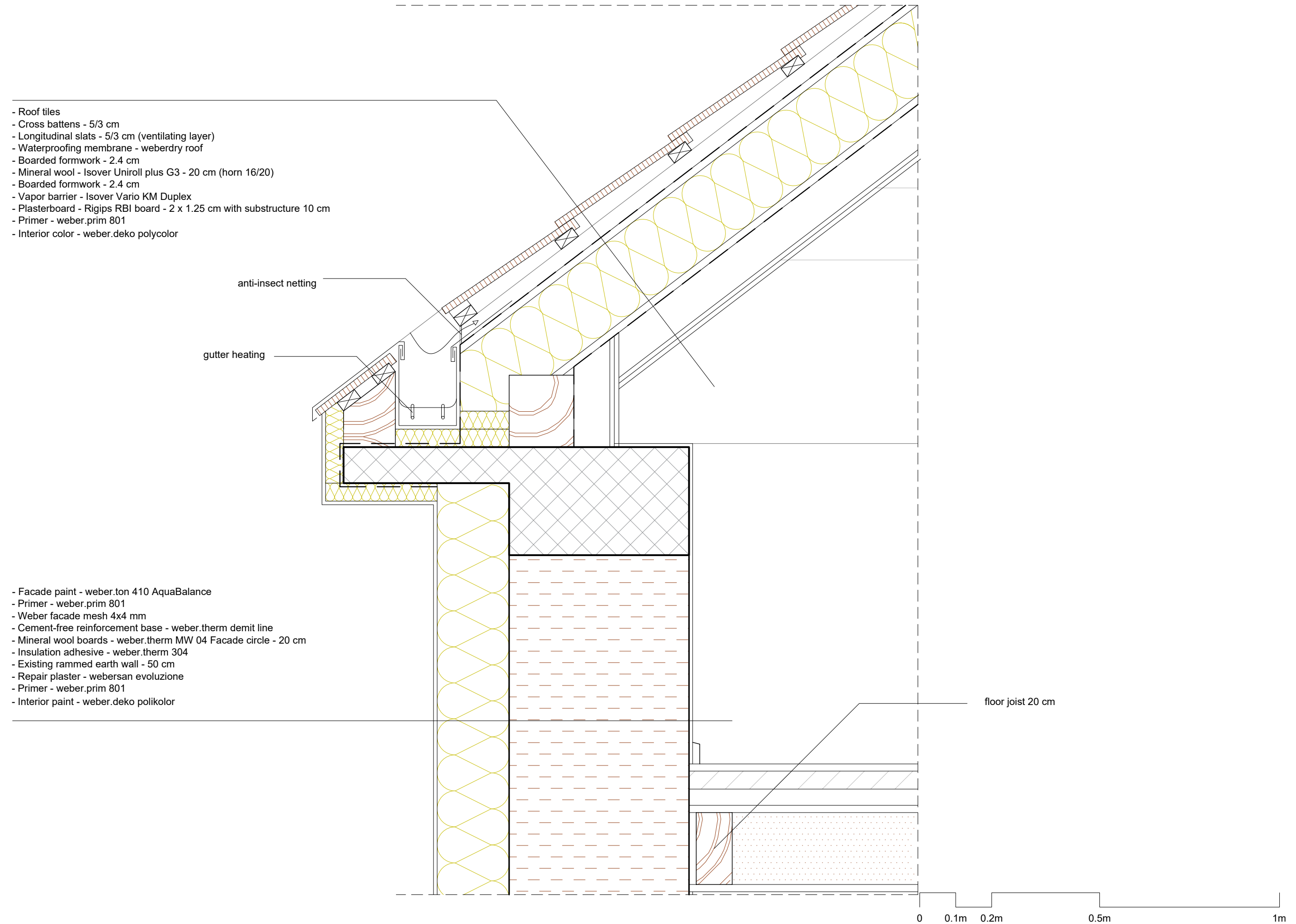
Architecture Student Contest
 THE DIALOGUES :: Team #13 :: 20th International Edition, NORD ISÈRE 2025



ZONE CHIMILIN - RECONSTRUCTION

DETAIL 1:10

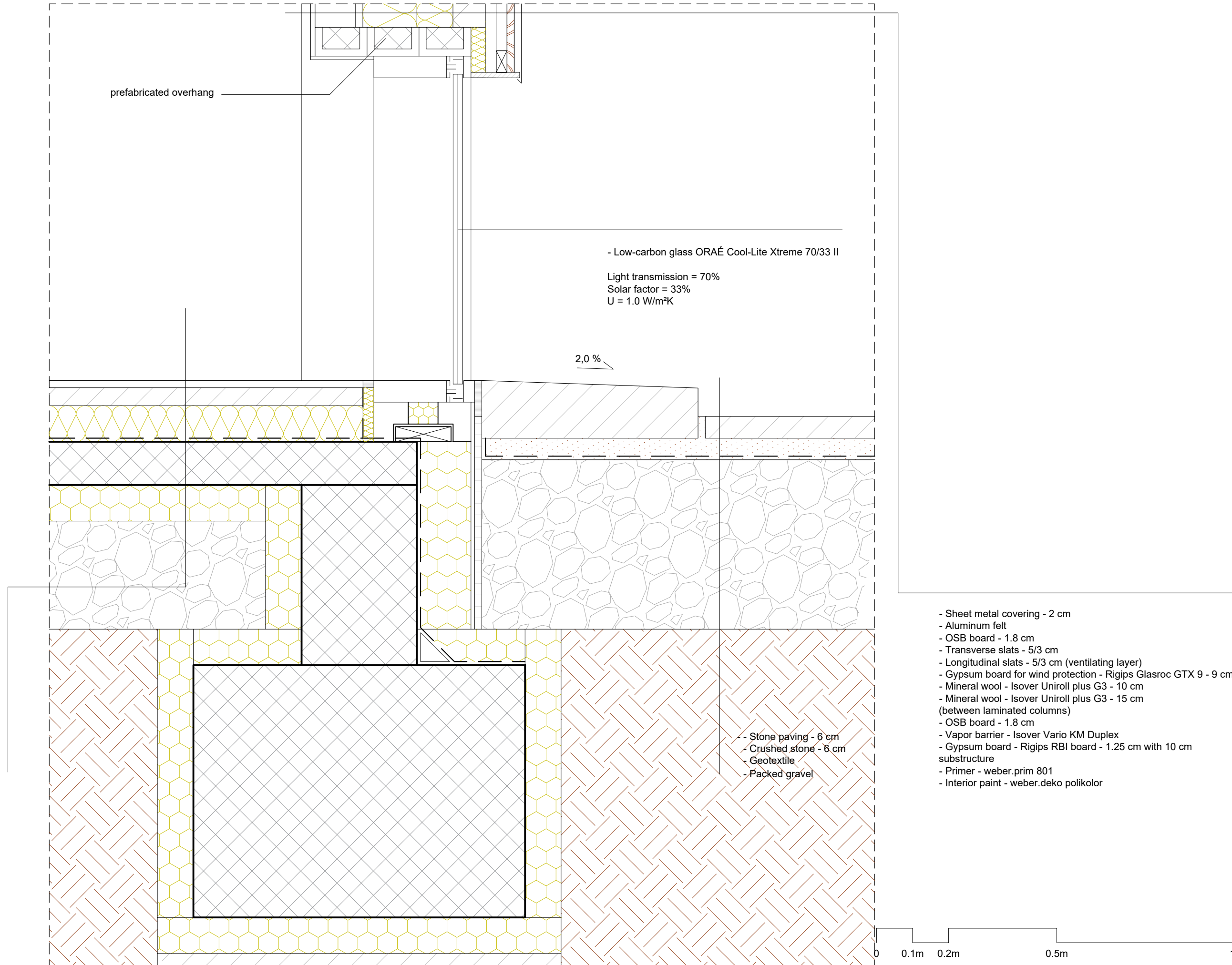
Architecture Student Contest
 THE DIALOGUES :: Team #13 :: 20th International Edition, NORD ISÈRE 2025



ZONE CHIMILIN - RECONSTRUCTION

DETAIL 1:10

Architecture Student Contest
 THE DIALOGUES :: Team #13 :: 20th International Edition, NORD ISÈRE 2025



- Floor covering - parquet - 2.4 cm
- Parquet adhesive - 1 cm
- Cement screed - 5 cm
- Insulation foil - Isover Fonas 31
- Hard mineral stone wool boards Isover T-P - 10 cm
- Two-component waterproofing - weber.tec D-max 2K
- Reinforced concrete floor slab - 12 cm
- Extruded polystyrene panels - Isover Styrodur 2800 C 100 - 10 cm
- Compacted gravel

- Low-carbon glass ORAÉ Cool-Lite Xtreme 70/33 II
 Light transmission = 70%
 Solar factor = 33%
 U = 1.0 W/m²K

2,0 %

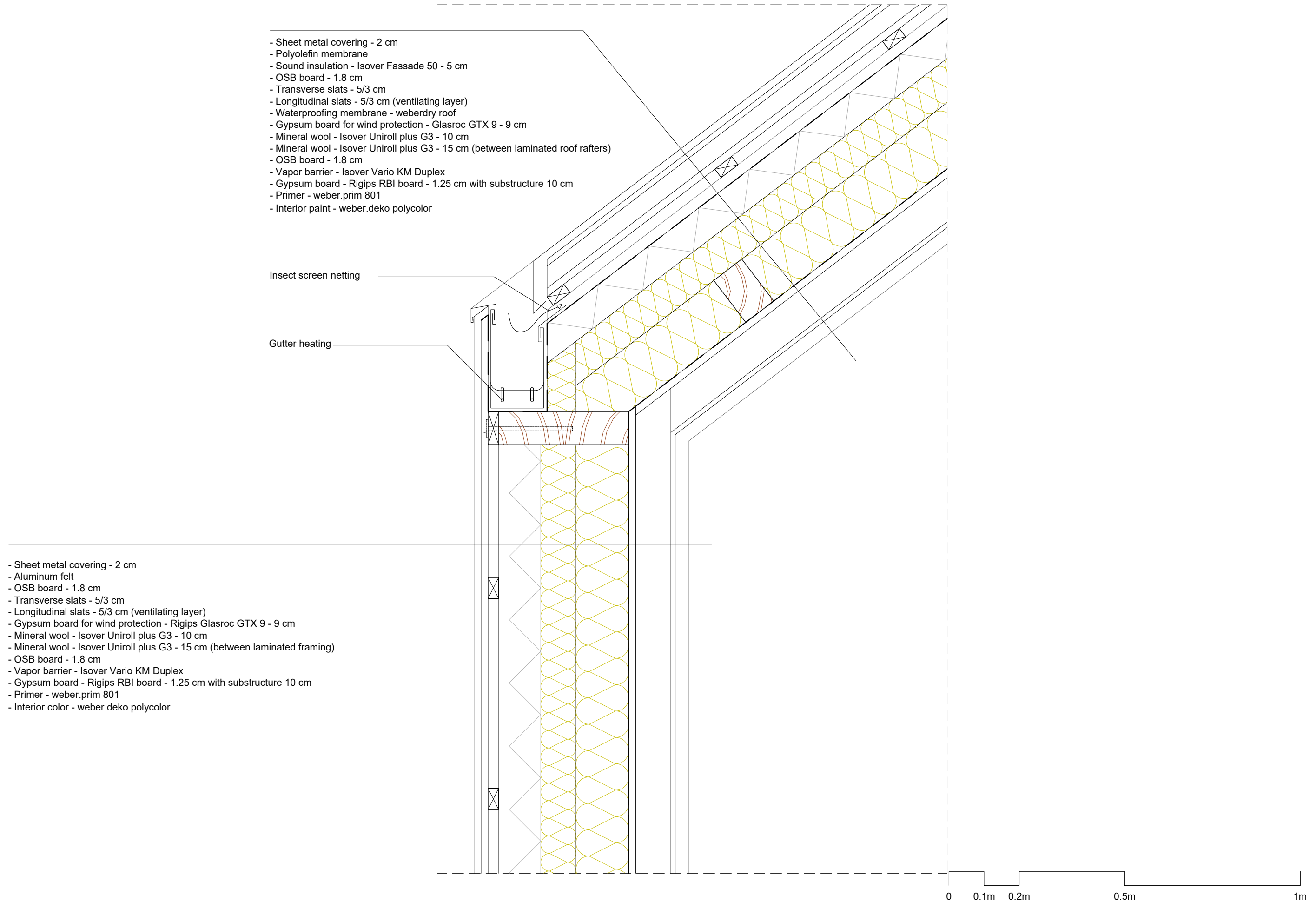
- Stone paving - 6 cm
- Crushed stone - 6 cm
- Geotextile
- Packed gravel

- Sheet metal covering - 2 cm
- Aluminum felt
- OSB board - 1.8 cm
- Transverse slats - 5/3 cm
- Longitudinal slats - 5/3 cm (ventilating layer)
- Gypsum board for wind protection - Rigips Glasroc GTX 9 - 9 cm
- Mineral wool - Isover Uniroll plus G3 - 10 cm
- Mineral wool - Isover Uniroll plus G3 - 15 cm (between laminated columns)
- OSB board - 1.8 cm
- Vapor barrier - Isover Vario KM Duplex
- Gypsum board - Rigips RBI board - 1.25 cm with 10 cm substructure
- Primer - weber.prim 801
- Interior paint - weber.deko polikolor

ZONE CHIMILIN - RECONSTRUCTION

DETAIL 1:10

Architecture Student Contest
 THE DIALOGUES :: Team #13 :: 20th International Edition, NORD ISÈRE 2025



ZONE CHIMILIN - RECONSTRUCTION

ENERGETSKI CERTIFIKAT ZGRADE				
prema Pravilniku o energetskom pregledu zgrada i energetskom certifikatu (NH 88/2017)				
Chimilin School				
Skola				
Navedi administrativnu i uporabnu cjelinu zgrade				
32 Rte du Stade	38490 Chimilin	Zagreb		
Ulica/kulni broj		Poljarski broj	Mjesto	
PODACI O ZGRADI				
Vrsta zgrade (prema Pravilniku)	<input checked="" type="checkbox"/> nova <input type="checkbox"/> postojeća <input type="checkbox"/> rekonstrukcija	Višestambene zgrade		
Vrsta zgrade prema složenosti tehničkih sustava	zgrada sa složenim tehničkim sustavom			
Vlasnik / investitor				
I.E.br.	AA 43	k.o.	Chimilin	
Plošna korisna površina grijanog dijela zgrade A_g	8200,00	Godina izgradnje / rekonstrukcije	1920	
Gravevinska (bruto) površina zgrade (m^2)	790,80	Mjerska meteorološka postaja	Zagreb Maksimir	
Factor oblika f_o (m^{-2})	0,48	Referentna klima	Kontinentalna	
ENERGETSKI RAZRED ZGRADE				
	Specifična godišnja potrebna toplinska energija za grijanje $Q_{H,ud}$ ($kWh/(m^2 \cdot a)$)	Specifična godišnja primarna energija E_{prim} ($kWh/(m^2 \cdot a)$)		
	17,06	23,95		
	A		A+	
Specifična godišnja isporučena energija E_{del} ($kWh/(m^2 \cdot a)$)				
14,84				
Specifična godišnja emisija CO_2 ($kg/(m^2 \cdot a)$)				
3,48				
Upisati „NEB“ ako energetsko svojstvo zgrade (E_{prim}) zadovoljava zahtjeve za zgrade gotovo nulte energije propisane važećim TPUEETZ				
ROK VAŽENJA CERTIFIKATA / PODACI O OSOBI KOJA JE IZDALA ENERGETSKI CERTIFIKAT				
Oznaka energetskog certifikata		Datum izdavanja		
		27.01.2025		
Datum važenja		10 godina		
Ime i prezime ovlaštene osobe / vlasnički potpis		Registarski broj		
PODACI O OSOBAMA KOJE SU SUDIJELOVALE U IZRADI ENERGETSKOG CERTIFIKATA				
Dio zgrade	Ime i prezime ovlaštene osobe	Naziv pravne osobe	Registarski broj	
Gravevinski				
Strojarski				
Elektrotehnički				
GRADEVINSKI DIJELOVI ZGRADE				
Koeficijent transmisivnog toplinskog gubitka $k_{tr,ud}$ ($W/(m^2 \cdot K)$)				
0,24				
KOEFICIJENT PROLASKA TOPLINE				
	U ($W/(m^2 \cdot K)$)	U_{dop} ($W/(m^2 \cdot K)$)	Ispunjeno	
Vanjski zidovi, zidovi prema garaži, projektiranim tavanima	0,15	0,30	<input checked="" type="checkbox"/> DA <input type="checkbox"/> NE	
Ravni i kosi krovovi (iznad grijanog prostora, stropovi prema projektiranim tavanima)	0,15	0,25	<input checked="" type="checkbox"/> DA <input type="checkbox"/> NE	
Zidovi prema tlu, podovi prema tlu	0,39	0,40	<input checked="" type="checkbox"/> DA <input type="checkbox"/> NE	
Stropovi iznad vanjskog zraka, stropovi iznad garaže			<input type="checkbox"/> DA <input type="checkbox"/> NE	
Zidovi i stropovi prema negrijanim prostorijama i negrijanom stubištu temperature više od 0°C			<input type="checkbox"/> DA <input type="checkbox"/> NE	
Prozori, balkonska vrata, krovni prozori, prozorni elementi pročelja	1,10	1,60	<input checked="" type="checkbox"/> DA <input type="checkbox"/> NE	
Vanjska vrata s nepropisnim knjiom		2,00	<input type="checkbox"/> DA <input type="checkbox"/> NE	
Zidovi i stropovi između samostanih uporabnih cjelina zgrade (stanova, poslovnih prostora)			<input type="checkbox"/> DA <input type="checkbox"/> NE	
PODACI O TERMOTEHNIČKIM SUSTAVIMA ZGRADE				
Način grijanja zgrade	<input type="checkbox"/> lokalno etažno <input type="checkbox"/> centralno <input type="checkbox"/> nema			
Način pripreme potrošne tople vode	<input type="checkbox"/> lokalno <input type="checkbox"/> centralno <input type="checkbox"/> nema <input type="checkbox"/> spremnik <input type="checkbox"/> protočno			
Godina proizvodnje izvora toplinske energije za grijanje	2024			
Izvor energije za grijanje zgrade	<input type="checkbox"/> prirodni plin <input type="checkbox"/> loživo ulje <input type="checkbox"/> drvo (čepanica) <input type="checkbox"/> daljinski izvor <input type="checkbox"/> ukapljeni naftni plin <input type="checkbox"/> električna energija <input type="checkbox"/> drva biomasa <input type="checkbox"/> Sunčeva energija			
Izvor energije za pripremu potrošne tople vode	<input type="checkbox"/> prirodni plin <input type="checkbox"/> loživo ulje <input type="checkbox"/> drvo (čepanica) <input type="checkbox"/> daljinski izvor <input type="checkbox"/> ukapljeni naftni plin <input type="checkbox"/> električna energija <input type="checkbox"/> drva biomasa <input type="checkbox"/> Sunčeva energija			
Način hlađenja zgrade	<input type="checkbox"/> lokalno etažno <input type="checkbox"/> centralno <input type="checkbox"/> nema			
Izvori energije koji se koriste za hlađenje zgrade	<input checked="" type="checkbox"/> električna energija <input type="checkbox"/>			
Vrsta ventilacije	<input type="checkbox"/> prisilna bez sustava povrata topline <input type="checkbox"/> prisilna sa sustavom povrata topline <input type="checkbox"/> prirodna			
Vrsta i način korištenja sustava s obnovljivim izvorima energije	<input type="checkbox"/> geotermalna topline <input type="checkbox"/> biomasa <input type="checkbox"/> solarni kolektori <input type="checkbox"/> fotovoltaični <input type="checkbox"/> fotonapon			
ENERGETSKE POTREBE				
	REFERENTNI KLIMATSKI PODACI	ZAHTEJ	Ispunjeno	
	Ukupno $[kWh/k]$	Specifično $[kWh/(m^2 \cdot a)]$	Dopušteno $[kWh/(m^2 \cdot a)]$	
Godišnja potrebna toplinska energija za grijanje $Q_{H,ud}$	139887,50	17,06	35,14	<input checked="" type="checkbox"/> DA <input type="checkbox"/> NE
Godišnja potrebna toplinska energija za hlađenje $Q_{L,ud}$	133081,80	16,23	50,00	<input checked="" type="checkbox"/> DA <input type="checkbox"/> NE
Godišnja isporučena energija E_{del}	121889,10	14,84	40,00	<input checked="" type="checkbox"/> DA <input type="checkbox"/> NE
Godišnja primarna energija E_{prim}	196406,10	23,95	75,00	<input checked="" type="checkbox"/> DA <input type="checkbox"/> NE
KORIŠTENJE OBNOVLJIVIH IZVORA ENERGIJE NA LOKACIJI ZGRADE				
Udio obnovljivih izvora energije u ukupnoj isporučenoj energiji za rad tehničkih sustava (%)	49			
Udio obnovljivih izvora energije u ukupnoj isporučenoj energiji za rad termotehničkih sustava (%)	59			
PRIJEDLOG MJERA				
- prijedlog ekonomski opravdanih mjera za poboljšanje energetskih svojstava zgrade temeljem izvješća o energetskom pregledu zgrade				
- za nove zgrade se daju preporuke za korištenje zgrade vezano na ispunjenje temeljnog zahtjeva gospodarenja energijom, očuvanja topline i ispunjenje energetskih svojstava zgrade				

ENERGETSKI CERTIFIKAT ZGRADE				
prema Pravilniku o energetskom pregledu zgrada i energetskom certifikatu (NH 88/2017)				
Chimilin School				
Aneks				
Navedi administrativnu i uporabnu cjelinu zgrade				
32 Rte du Stade	38490 Chimilin	Zagreb		
Ulica/kulni broj		Poljarski broj	Mjesto	
PODACI O ZGRADI				
Vrsta zgrade (prema Pravilniku)	<input type="checkbox"/> nova <input type="checkbox"/> postojeća <input type="checkbox"/> rekonstrukcija	Višestambene zgrade		
Vrsta zgrade prema složenosti tehničkih sustava	zgrada s jednostavnim tehničkim sustavom			
Vlasnik / investitor				
I.E.br.	AA 43	k.o.	Chimilin	
Plošna korisna površina grijanog dijela zgrade A_g	145,60	Godina izgradnje / rekonstrukcije	1920	
Gravevinska (bruto) površina zgrade (m^2)	473,36	Mjerska meteorološka postaja	Zagreb Maksimir	
Factor oblika f_o (m^{-2})	0,65	Referentna klima	Kontinentalna	
ENERGETSKI RAZRED ZGRADE				
	Specifična godišnja potrebna toplinska energija za grijanje $Q_{H,ud}$ ($kWh/(m^2 \cdot a)$)	Specifična godišnja primarna energija E_{prim} ($kWh/(m^2 \cdot a)$)		
	55,14	71,26		
	C		A+	
Specifična godišnja isporučena energija E_{del} ($kWh/(m^2 \cdot a)$)				
41,15				
Specifična godišnja emisija CO_2 ($kg/(m^2 \cdot a)$)				
10,97				
Upisati „NEB“ ako energetsko svojstvo zgrade (E_{prim}) zadovoljava zahtjeve za zgrade gotovo nulte energije propisane važećim TPUEETZ				
ROK VAŽENJA CERTIFIKATA / PODACI O OSOBI KOJA JE IZDALA ENERGETSKI CERTIFIKAT				
Oznaka energetskog certifikata		Datum izdavanja		
		27.01.2025		
Datum važenja		10 godina		
Ime i prezime ovlaštene osobe / vlasnički potpis		Registarski broj		
PODACI O OSOBAMA KOJE SU SUDIJELOVALE U IZRADI ENERGETSKOG CERTIFIKATA				
Dio zgrade	Ime i prezime ovlaštene osobe	Naziv pravne osobe	Registarski broj	
Gravevinski				
Strojarski				
Elektrotehnički				
GRADEVINSKI DIJELOVI ZGRADE				
Koeficijent transmisivnog toplinskog gubitka $k_{tr,ud}$ ($W/(m^2 \cdot K)$)				
0,33				
KOEFICIJENT PROLASKA TOPLINE				
	U ($W/(m^2 \cdot K)$)	U_{dop} ($W/(m^2 \cdot K)$)	Ispunjeno	
Vanjski zidovi, zidovi prema garaži, projektiranim tavanima	0,12	0,30	<input checked="" type="checkbox"/> DA <input type="checkbox"/> NE	
Ravni i kosi krovovi (iznad grijanog prostora, stropovi prema projektiranim tavanima)	0,11	0,25	<input checked="" type="checkbox"/> DA <input type="checkbox"/> NE	
Zidovi prema tlu, podovi prema tlu	0,30	0,40	<input checked="" type="checkbox"/> DA <input type="checkbox"/> NE	
Stropovi iznad vanjskog zraka, stropovi iznad garaže			<input type="checkbox"/> DA <input type="checkbox"/> NE	
Zidovi i stropovi prema negrijanim prostorijama i negrijanom stubištu temperature više od 0°C			<input type="checkbox"/> DA <input type="checkbox"/> NE	
Prozori, balkonska vrata, krovni prozori, prozorni elementi pročelja	1,10	1,60	<input checked="" type="checkbox"/> DA <input type="checkbox"/> NE	
Vanjska vrata s nepropisnim knjiom		2,00	<input type="checkbox"/> DA <input type="checkbox"/> NE	
Zidovi i stropovi između samostanih uporabnih cjelina zgrade (stanova, poslovnih prostora)			<input type="checkbox"/> DA <input type="checkbox"/> NE	
PODACI O TERMOTEHNIČKIM SUSTAVIMA ZGRADE				
Način grijanja zgrade	<input type="checkbox"/> lokalno etažno <input type="checkbox"/> centralno <input type="checkbox"/> nema			
Način pripreme potrošne tople vode	<input type="checkbox"/> lokalno <input type="checkbox"/> centralno <input type="checkbox"/> nema <input type="checkbox"/> spremnik <input type="checkbox"/> protočno			
Godina proizvodnje izvora toplinske energije za grijanje	2024			
Izvor energije za grijanje zgrade	<input type="checkbox"/> prirodni plin <input type="checkbox"/> loživo ulje <input type="checkbox"/> drvo (čepanica) <input type="checkbox"/> daljinski izvor <input type="checkbox"/> ukapljeni naftni plin <input type="checkbox"/> električna energija <input type="checkbox"/> drva biomasa <input type="checkbox"/> Sunčeva energija			
Izvor energije za pripremu potrošne tople vode	<input type="checkbox"/> prirodni plin <input type="checkbox"/> loživo ulje <input type="checkbox"/> drvo (čepanica) <input type="checkbox"/> daljinski izvor <input type="checkbox"/> ukapljeni naftni plin <input type="checkbox"/> električna energija <input type="checkbox"/> drva biomasa <input type="checkbox"/> Sunčeva energija			
Način hlađenja zgrade	<input type="checkbox"/> lokalno etažno <input type="checkbox"/> centralno <input type="checkbox"/> nema			
Izvori energije koji se koriste za hlađenje zgrade	<input checked="" type="checkbox"/> električna energija <input type="checkbox"/>			
Vrsta ventilacije	<input type="checkbox"/> prisilna bez sustava povrata topline <input type="checkbox"/> prisilna sa sustavom povrata topline <input type="checkbox"/> prirodna			
Vrsta i način korištenja sustava s obnovljivim izvorima energije	<input type="checkbox"/> geotermalna topline <input type="checkbox"/> biomasa <input type="checkbox"/> solarni kolektori <input type="checkbox"/> fotonapon			
ENERGETSKE POTREBE				
	REFERENTNI KLIMATSKI PODACI	ZAHTEJ	Ispunjeno	
	Ukupno $[kWh/k]$	Specifično $[kWh/(m^2 \cdot a)]$	Dopušteno $[kWh/(m^2 \cdot a)]$	
Godišnja potrebna toplinska energija za grijanje $Q_{H,ud}$	8028,46	55,14	114,74	<input checked="" type="checkbox"/> DA <input type="checkbox"/> NE
Godišnja potrebna toplinska energija za hlađenje $Q_{L,ud}$	5991,33	41,15	50,00	<input checked="" type="checkbox"/> DA <input type="checkbox"/> NE
Godišnja isporučena energija E_{del}	6426,68	44,15	290,00	<input checked="" type="checkbox"/> DA <input type="checkbox"/> NE
Godišnja primarna energija E_{prim}	10975,89	71,26	400,00	<input checked="" type="checkbox"/> DA <input type="checkbox"/> NE
KORIŠTENJE OBNOVLJIVIH IZVORA ENERGIJE NA LOKACIJI ZGRADE				
Udio obnovljivih izvora energije u ukupnoj isporučenoj energiji za rad tehničkih sustava (%)	70			
Udio obnovljivih izvora energije u ukupnoj isporučenoj energiji za rad termotehničkih sustava (%)	100			
PRIJEDLOG MJERA				
- prijedlog ekonomski opravdanih mjera za poboljšanje energetskih svojstava zgrade temeljem izvješća o energetskom pregledu zgrade				
- za nove zgrade se daju preporuke za korištenje zgrade vezano na ispunjenje temeljnog zahtjeva gospodarenja energijom, očuvanja topline i ispunjenje energetskih svojstava zgrade				

ENERGY PERFORMANCE CERTIFICATE (EPC)