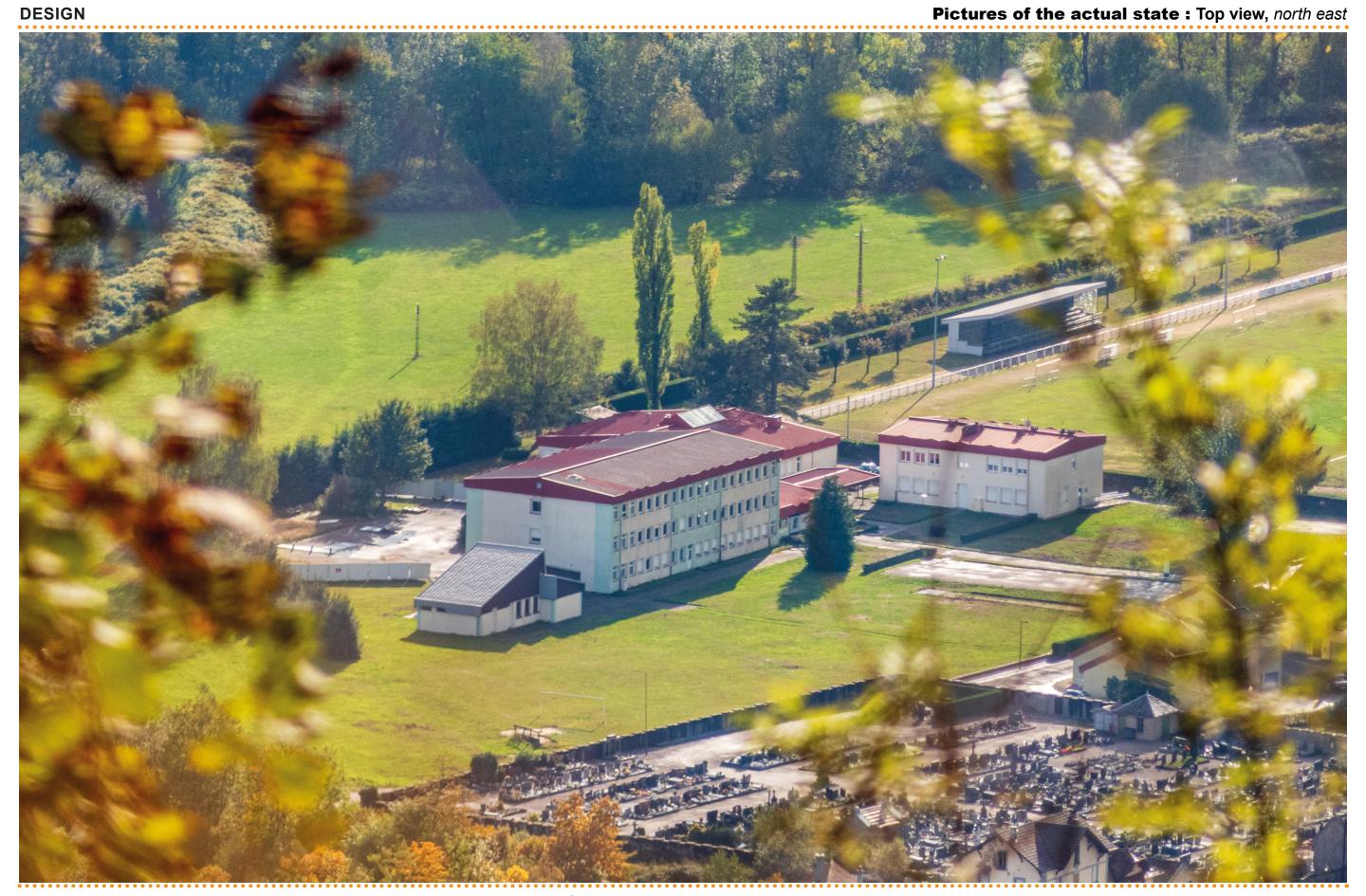
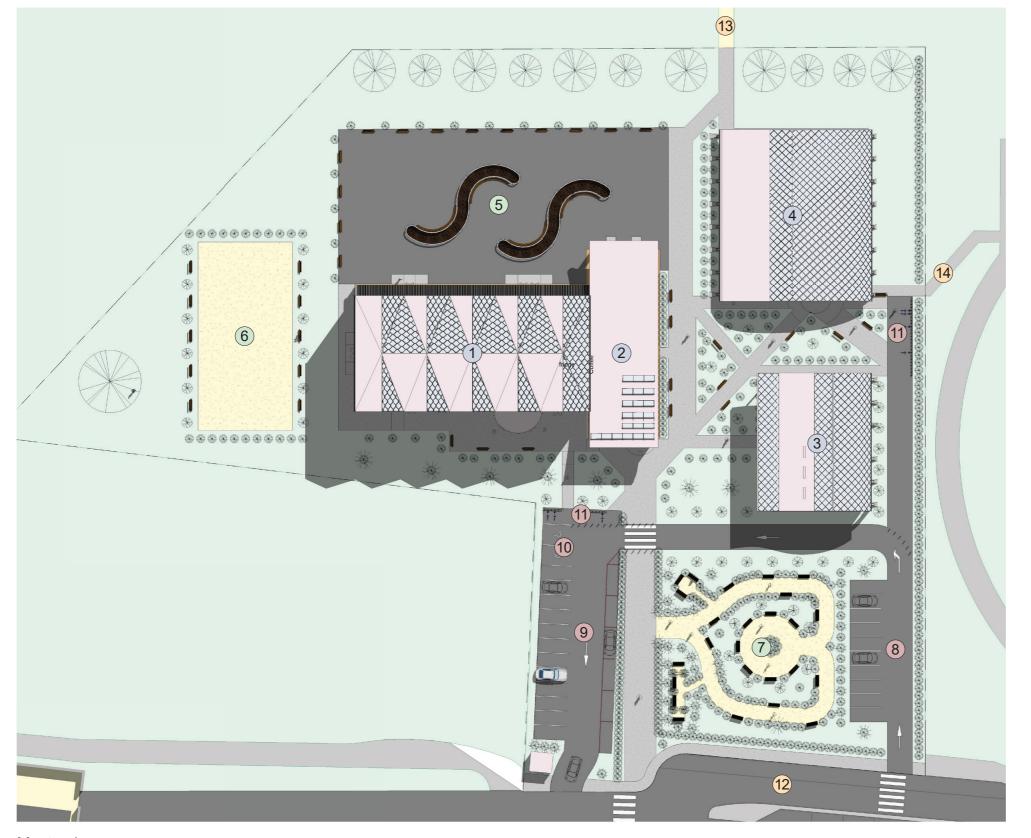


DESIGN	Table of Contents
Pictures of the actual state 3	Render 35
	Site
Plan 5	Car park
	Main entrance
Masterplan	Secondary entrance
Main Building & Cafeteria	Garden
Ground floor	Garden, "private" part
First floor	Main courtyard
Second floor	Playground
Last floor	Flayground Football field
Roof	
Fitness	Indoor
Ground floor	Dojo
First floor	Fitness
Roof	Cafeteria
Dojo	Doctor's office
Floor plan	Waiting room (doctors' floor)
Roof	Co-working space
	Night view
Accessibility	
From the town	Additions & Subtractions 50
Within the ground floors	Main Building
Elevation 18	Ground floor
Site	First floor
South (secondary entrance) & North (main entrance)	Second floor
West & East	Last floor
Main Building & Cafeteria	Fitness
· · · · · · · · · · · · · · · · · · ·	Ground floor
South	First floor
North	Dojo
West	
East	Structure 57
Fitness	Existing state
South & North	
West & East	Floor plan
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South & North	Main rough details
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	Transversal loading
North \rightarrow South	Longitudinal loading
East → West	
Isometric view 31	
North-east	
South-east	
South-west	
North-west34	





DESIGN Plan: Masterplan



Legend:

Buildings

- 1 Main Building
- (2) Cafeteria
- 3 Fitness
- 4 Dojo

<u>Spaces</u>

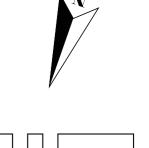
- 5 Private courtyard
- 6 Playground
- 7 Park

Parking spaces

- 8 Workers car park
- 9 Customers car park
- 10 Accessible car park
- 11 Bike parks

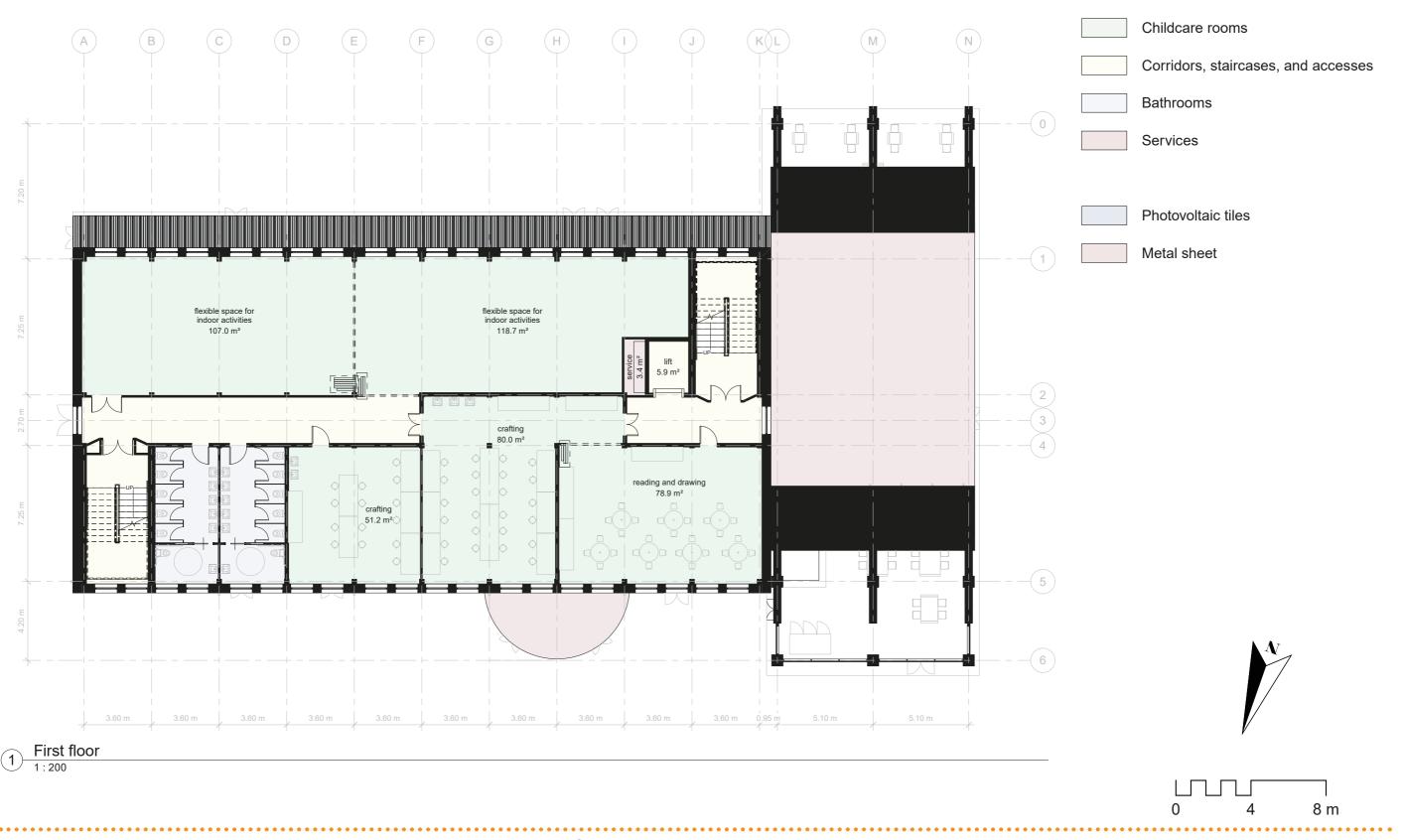
<u>Accesses</u>

- 12 Main access
- 13 Secondary access
- (14) Connection to existing sports facilities

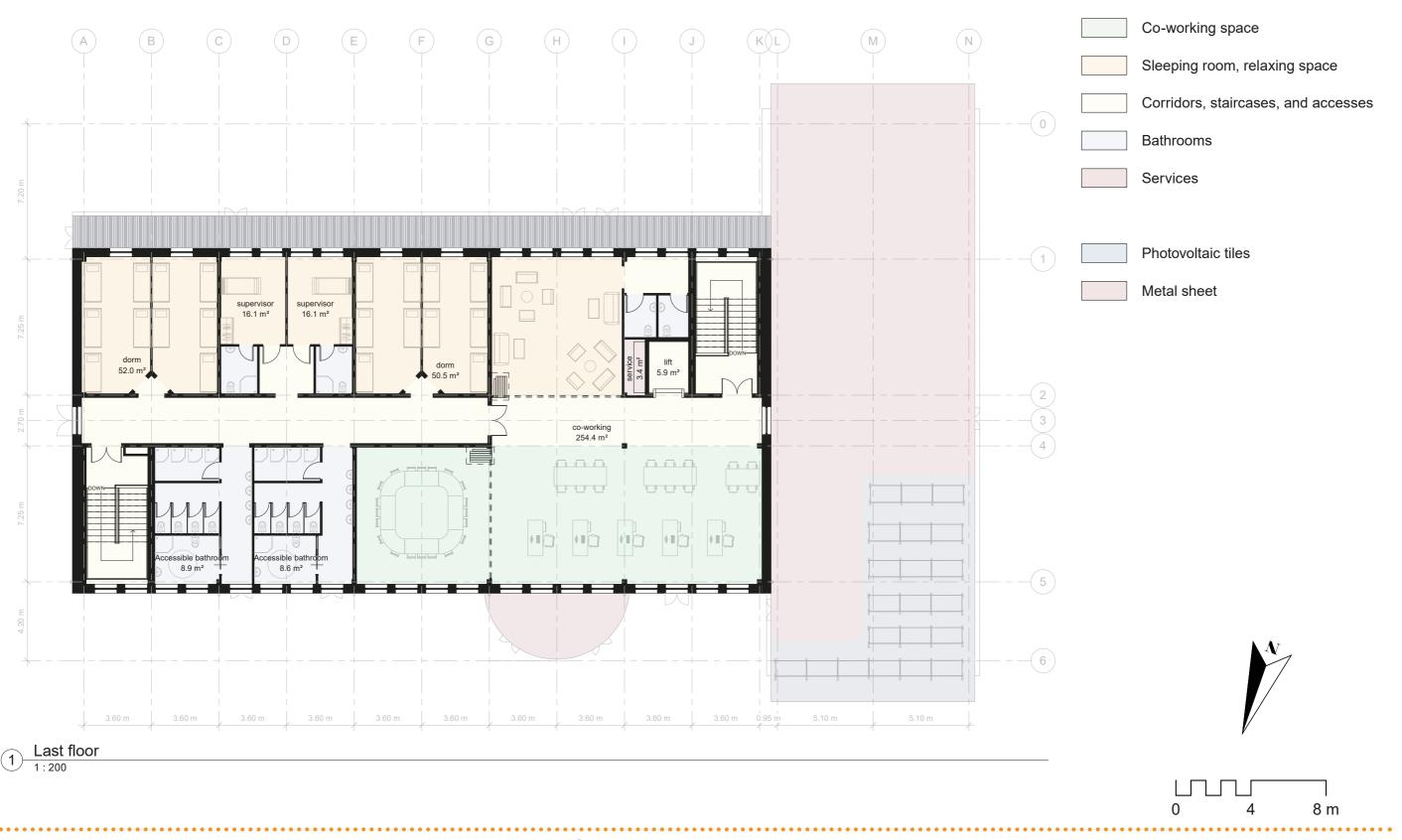


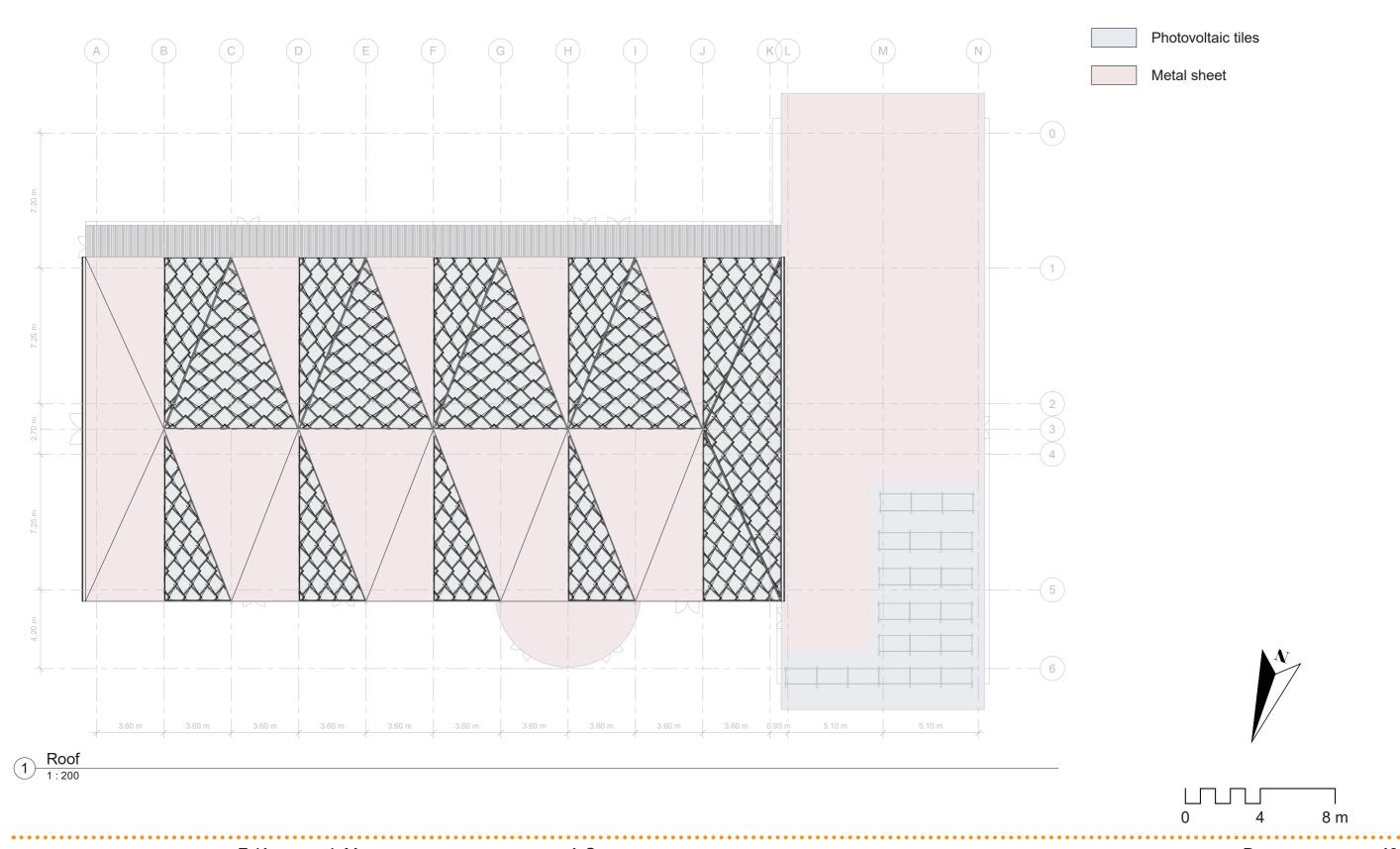
0 12 24 m





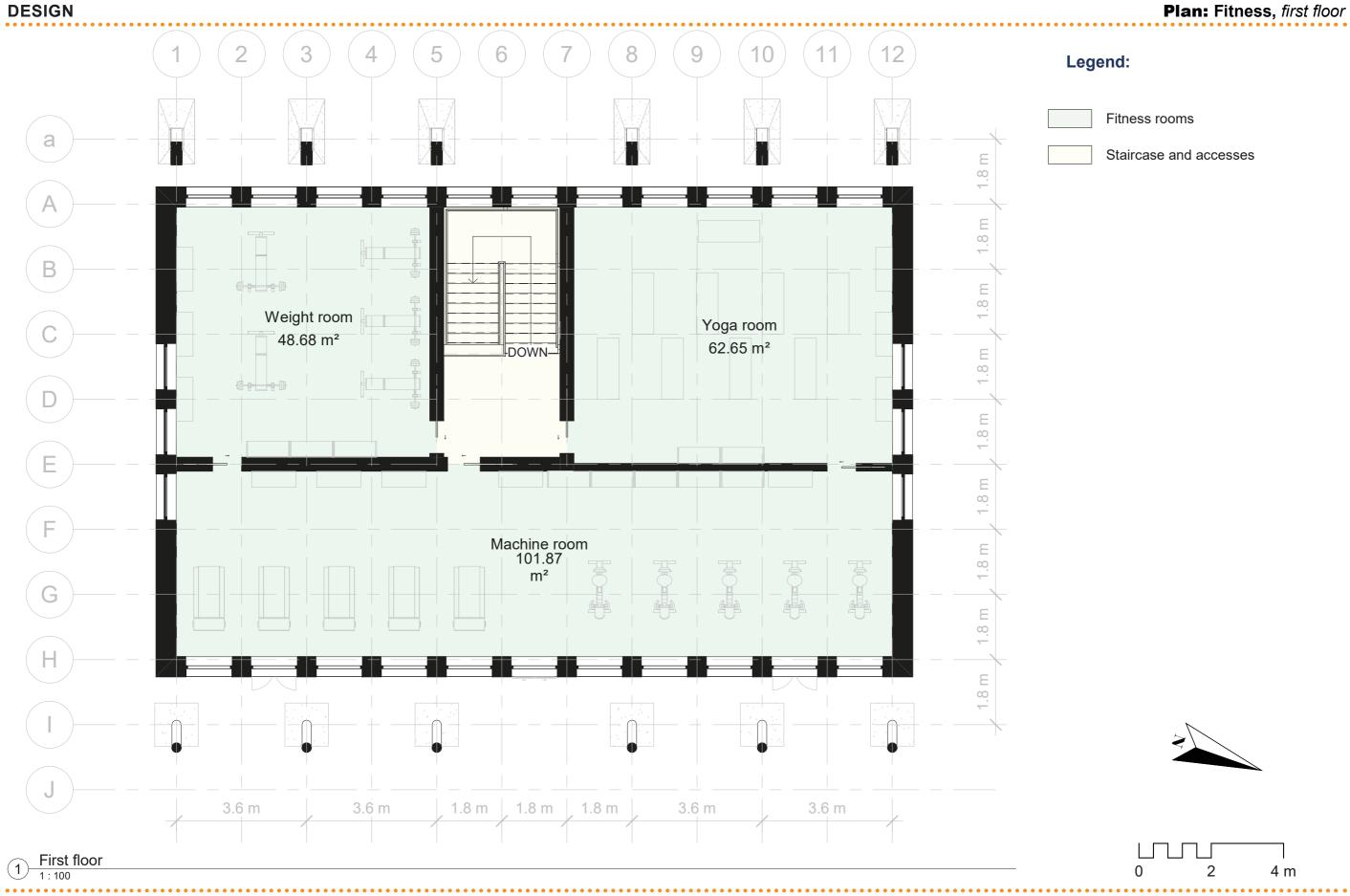


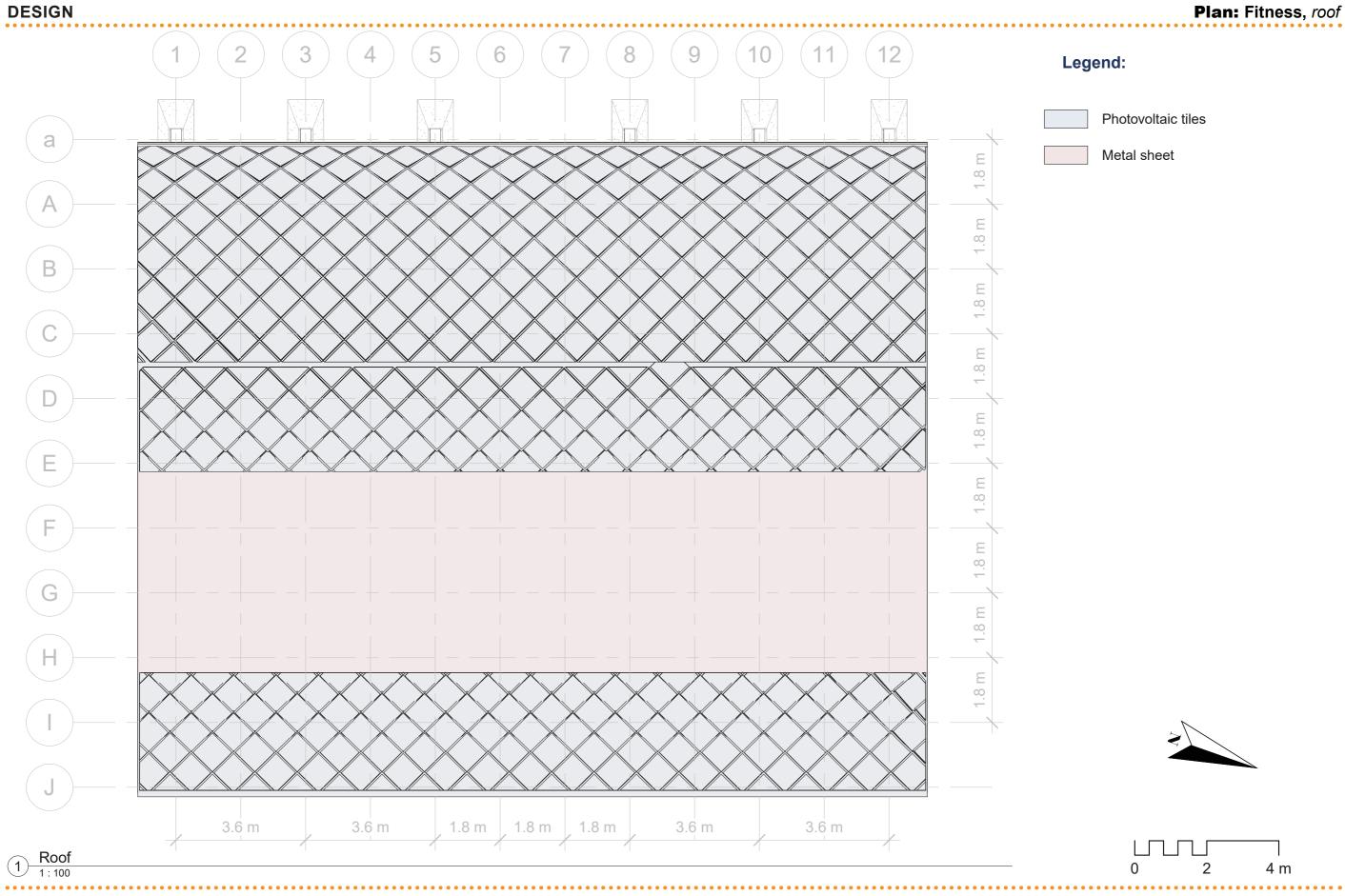


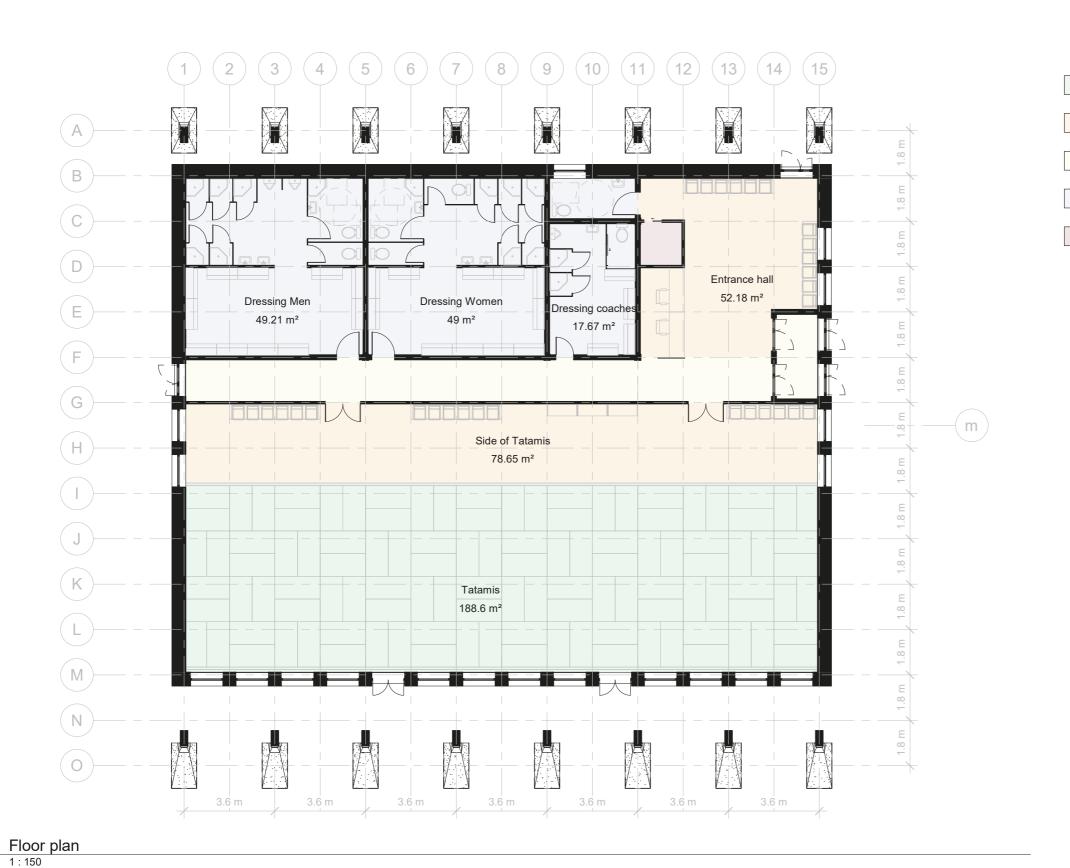


DESIGN
Plan: Fitness, ground floor









Dojo (Tatamis)

Reception and waiting spaces

Corridor and accesses

Dressings and bathrooms

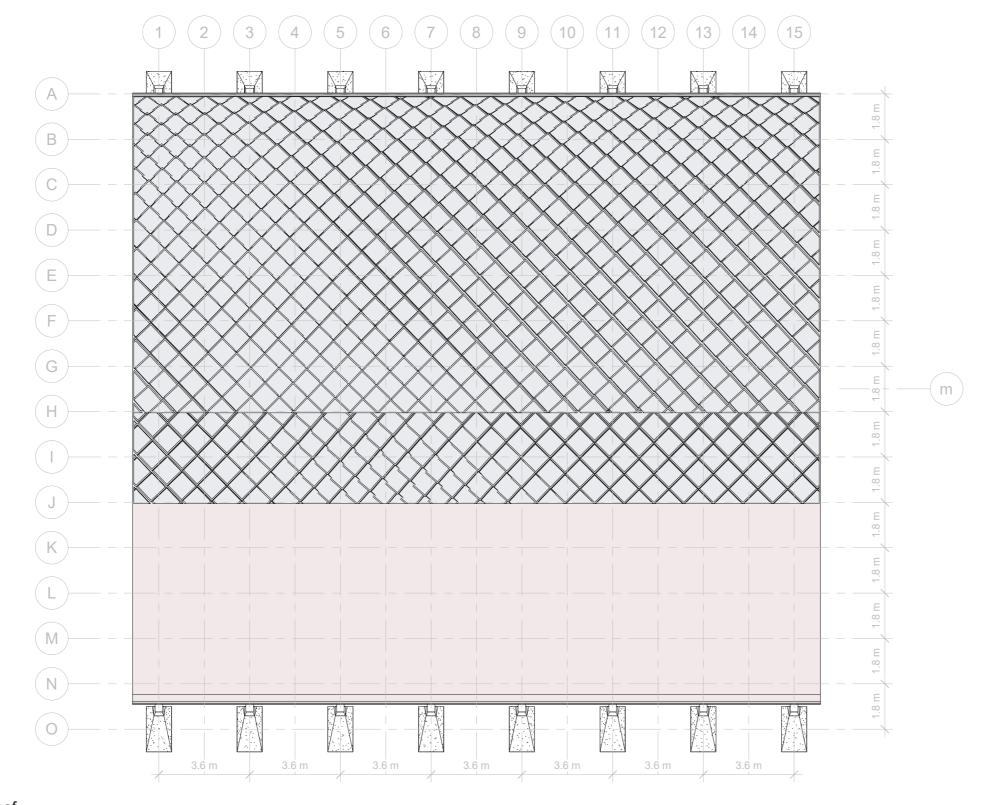
Services





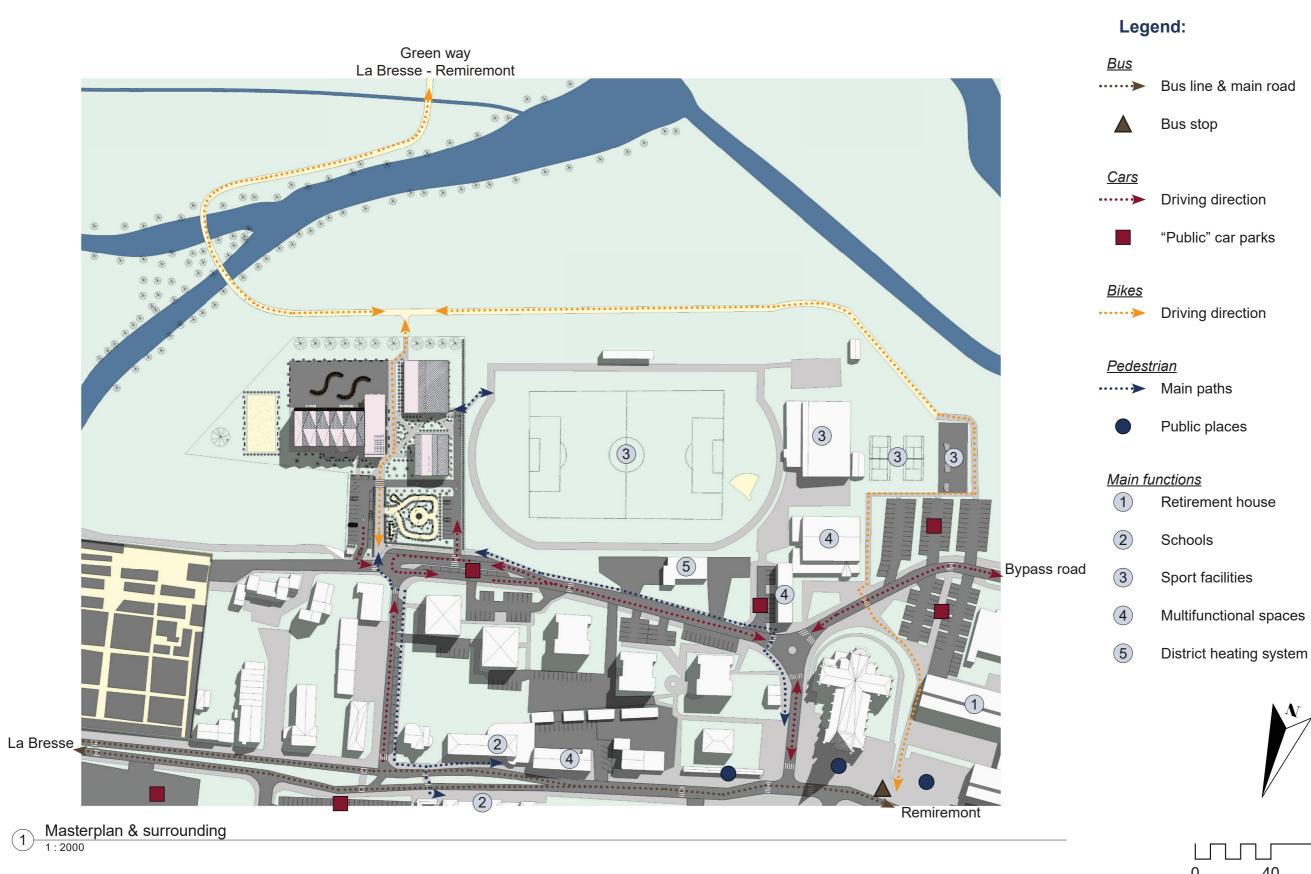
Photovoltaic tiles

Metal sheet





1 Roof 1:150



80 m



South 1:300



2 North 1:300

DESIGN Elevation: Site, west & east



1 West 1:200



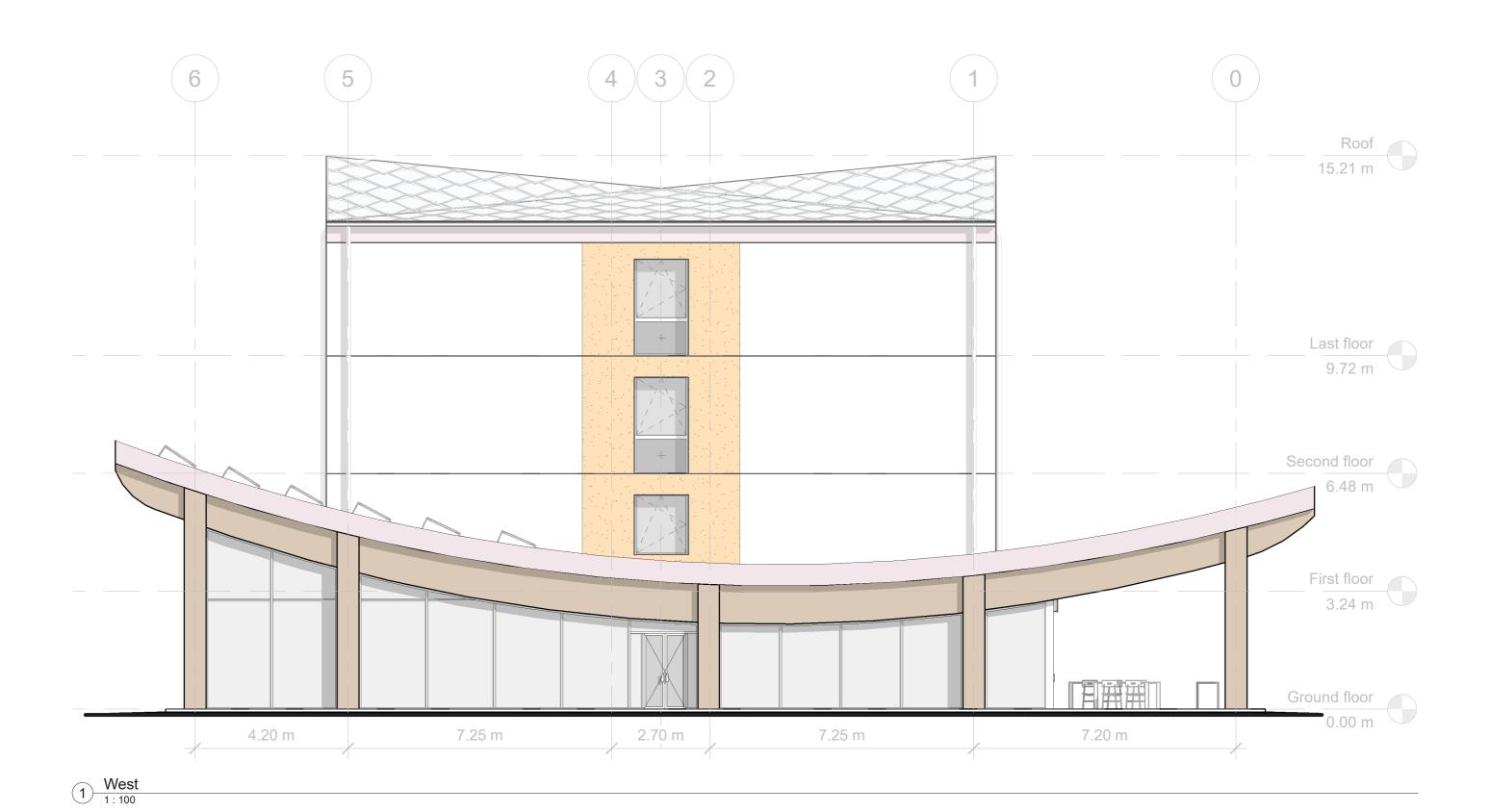
2 East 1:200

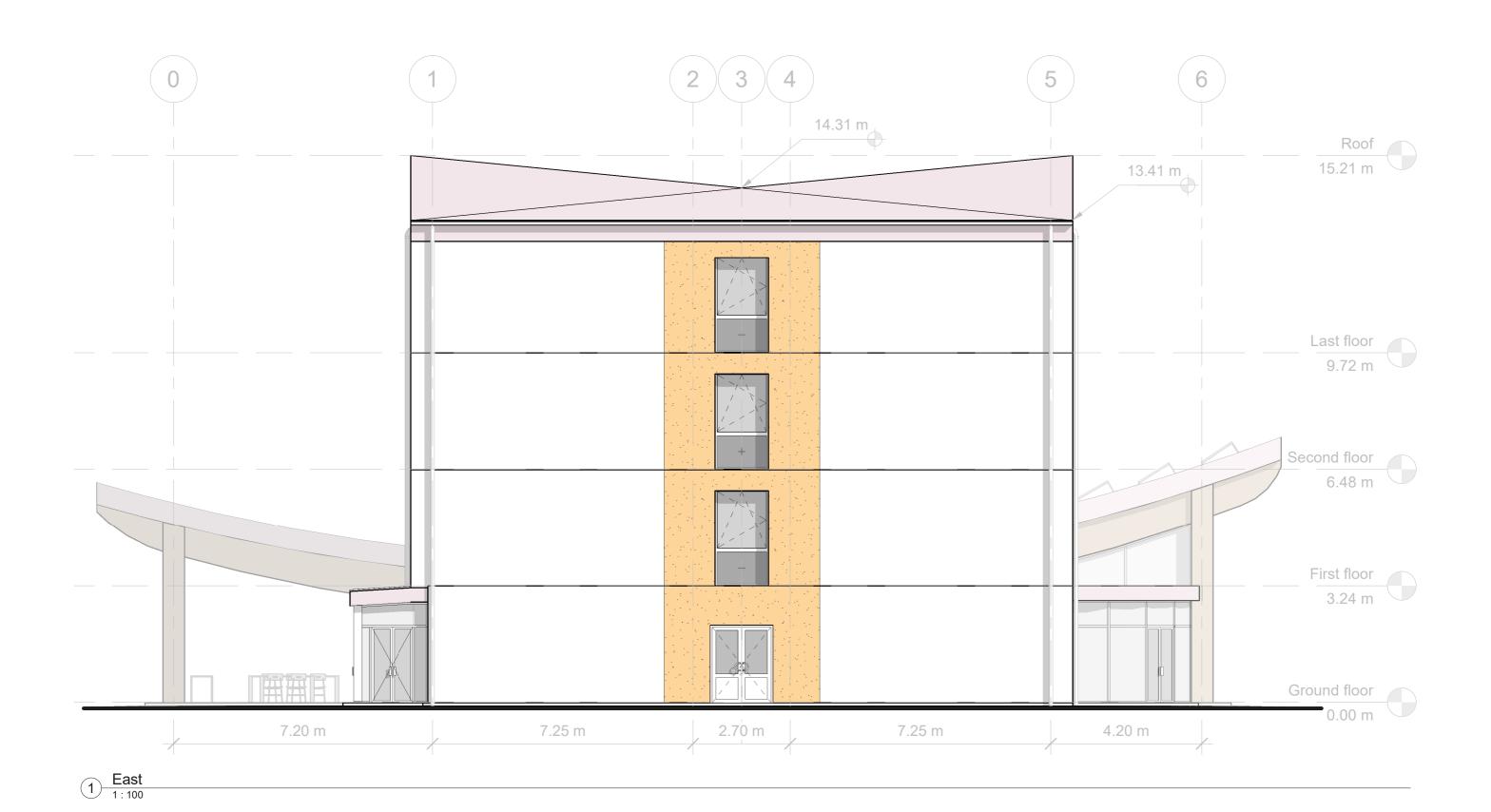


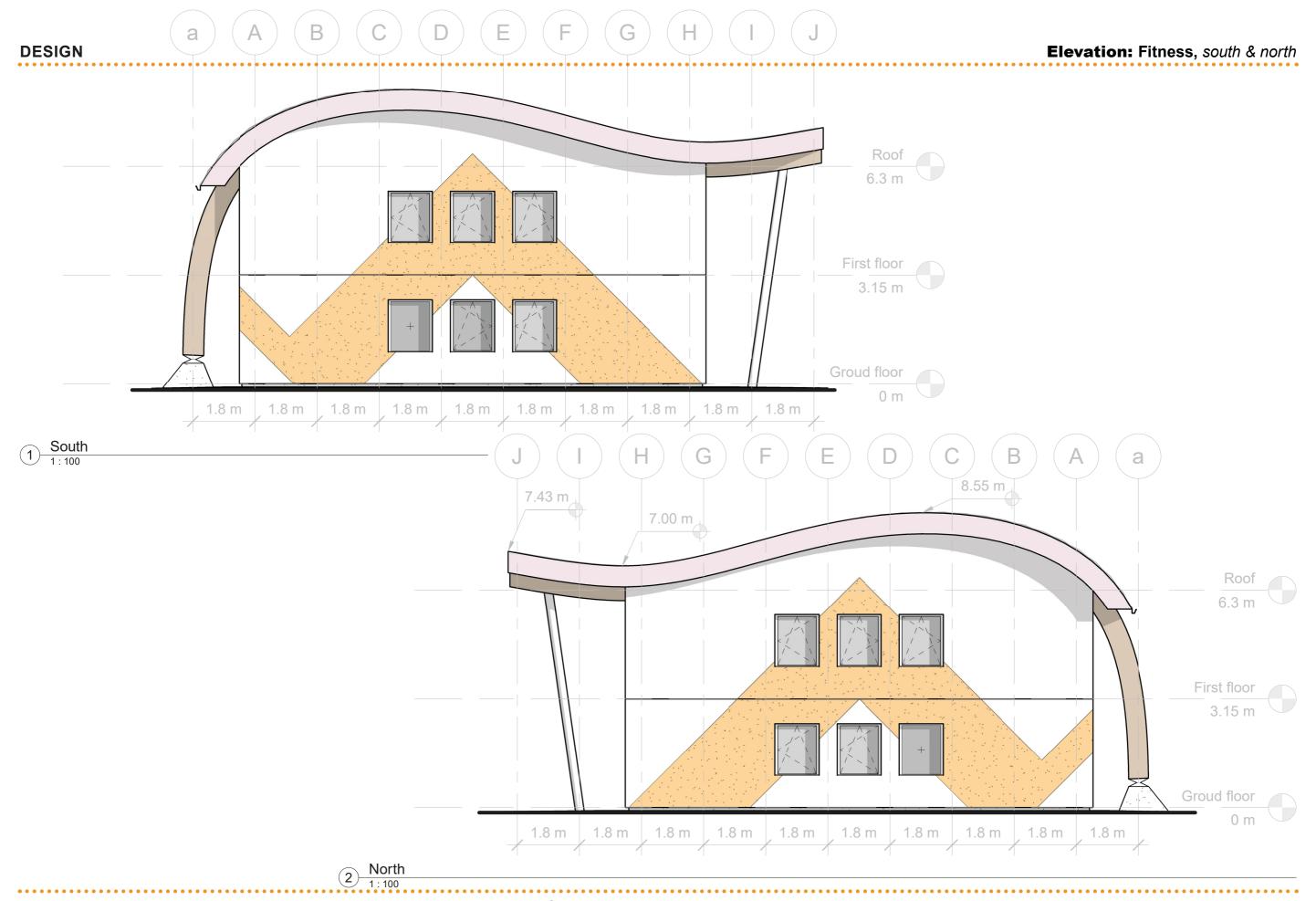
1 South 1: 150

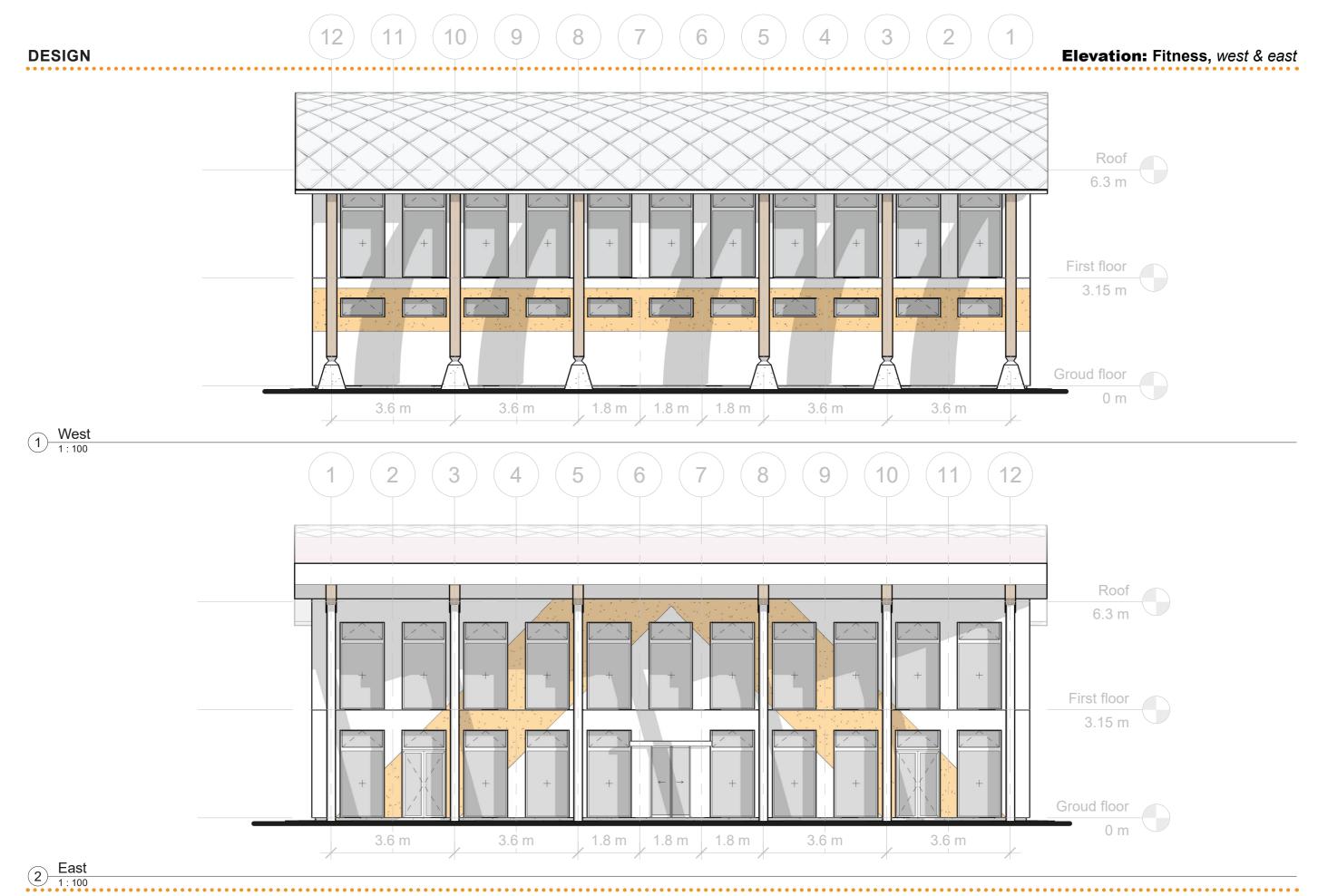


1 North 1: 150



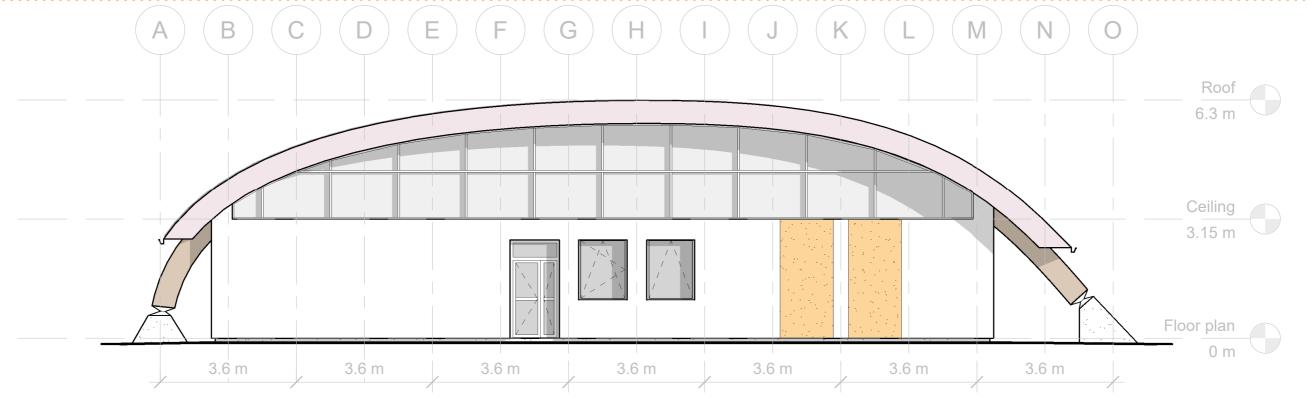




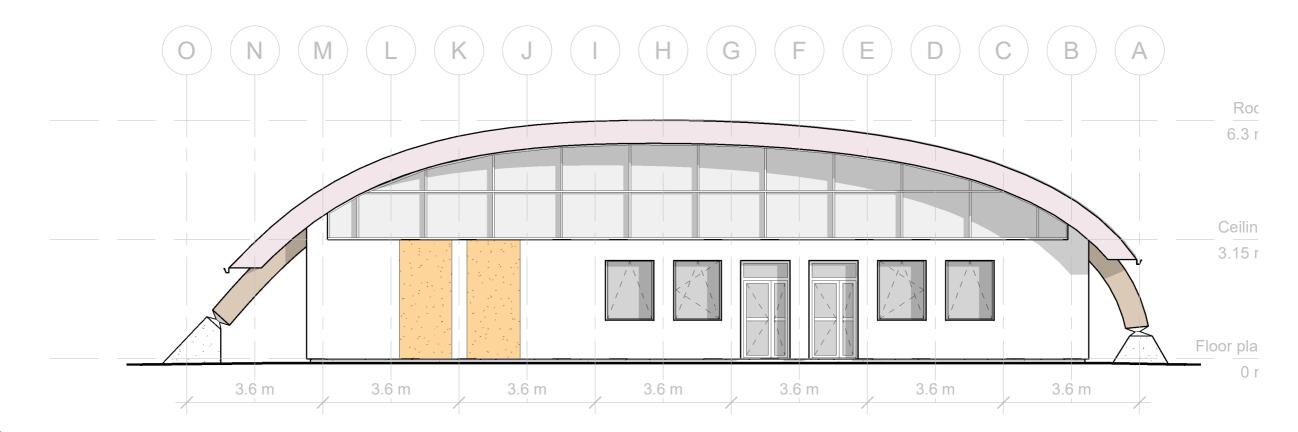


DESIGN

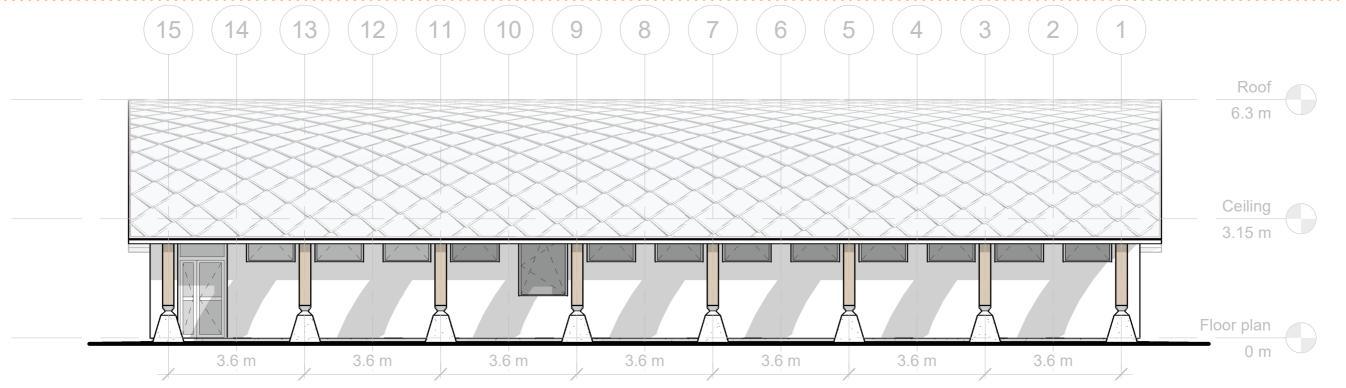
Elevation: Dojo, south & north



1 South 1:100



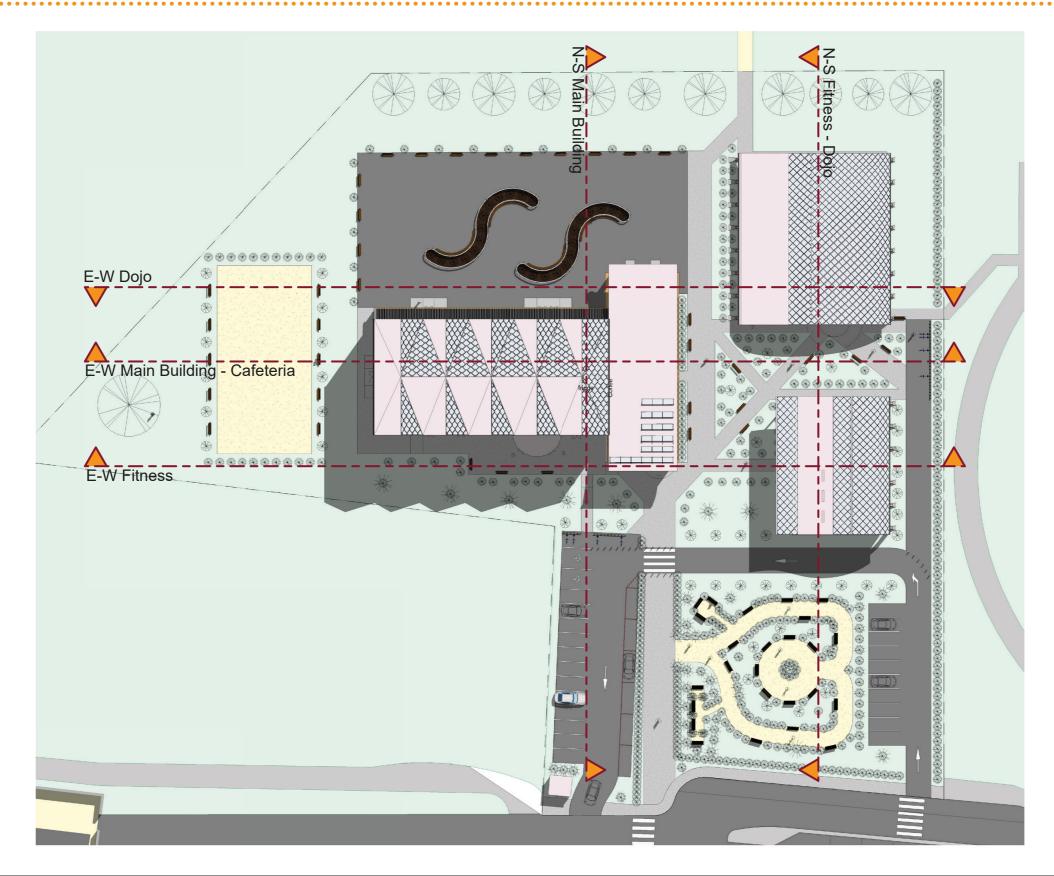
DESIGN Elevation: Dojo, west & east



1 West 1:100

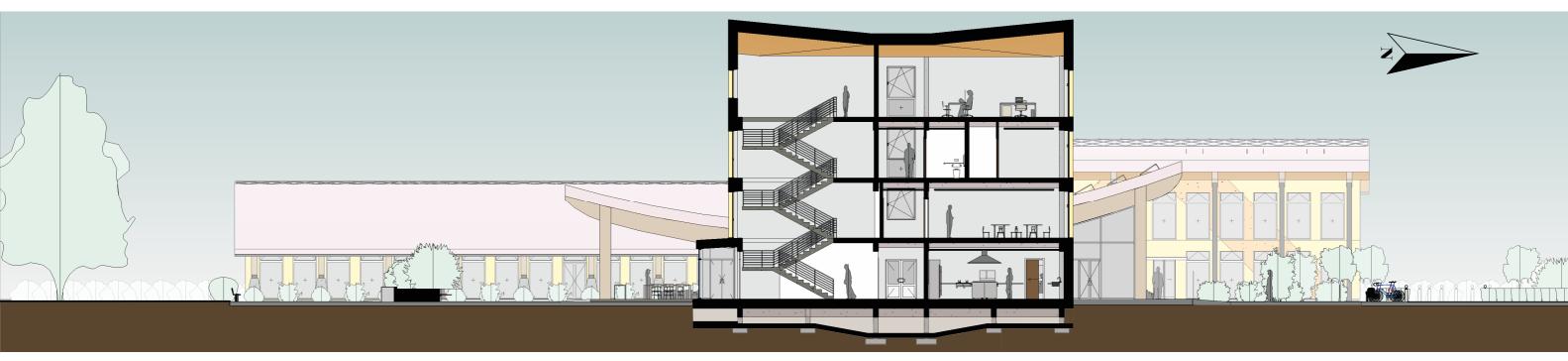


DESIGN **Section:** Location





 $\textbf{DESIGN} \hspace{1cm} \textbf{Section: North} \rightarrow \textbf{South}$



Main Building

1:200



Pitness - Dojo
1:200

DESIGN Section: East → West



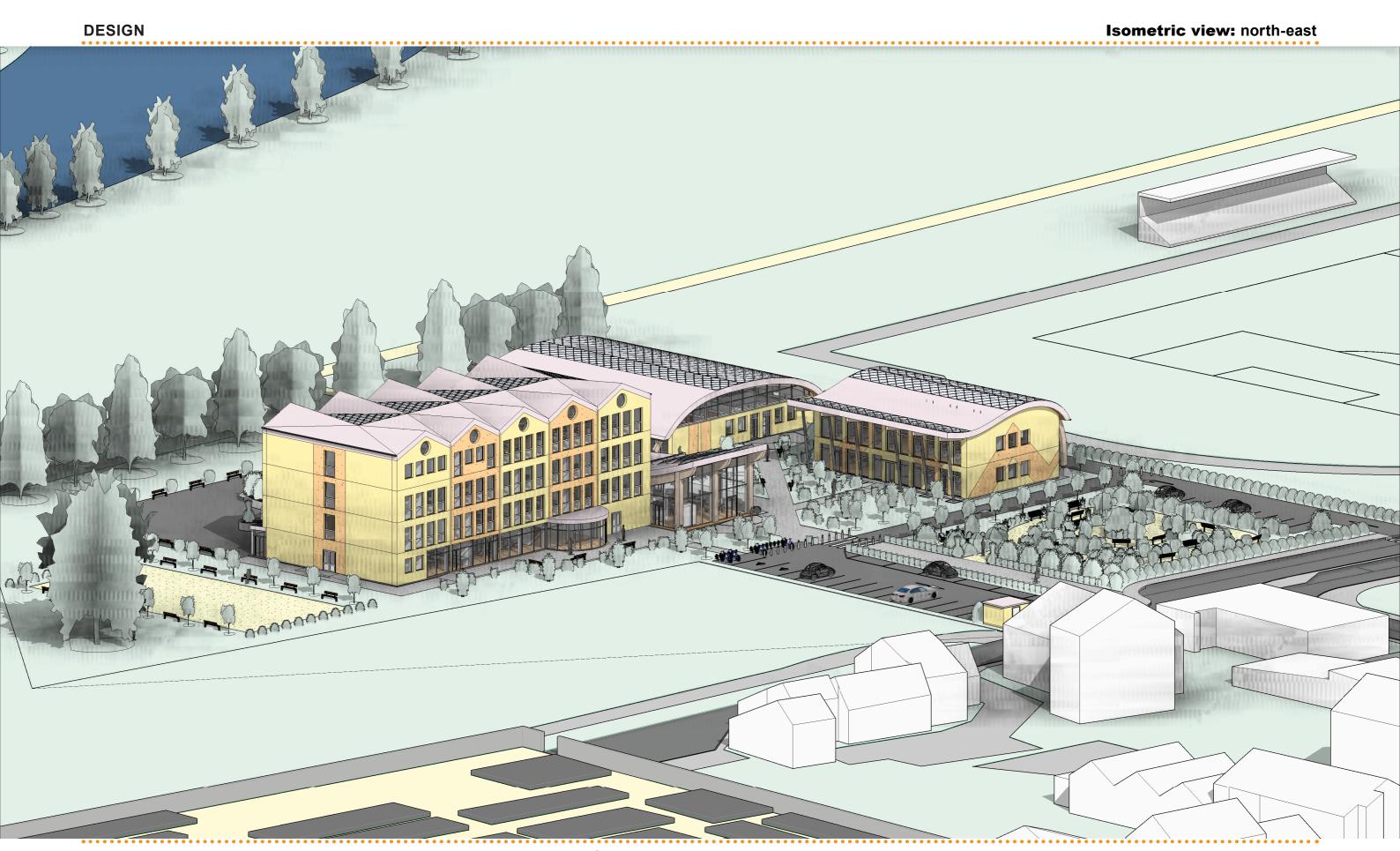
1 Fitness 1:300

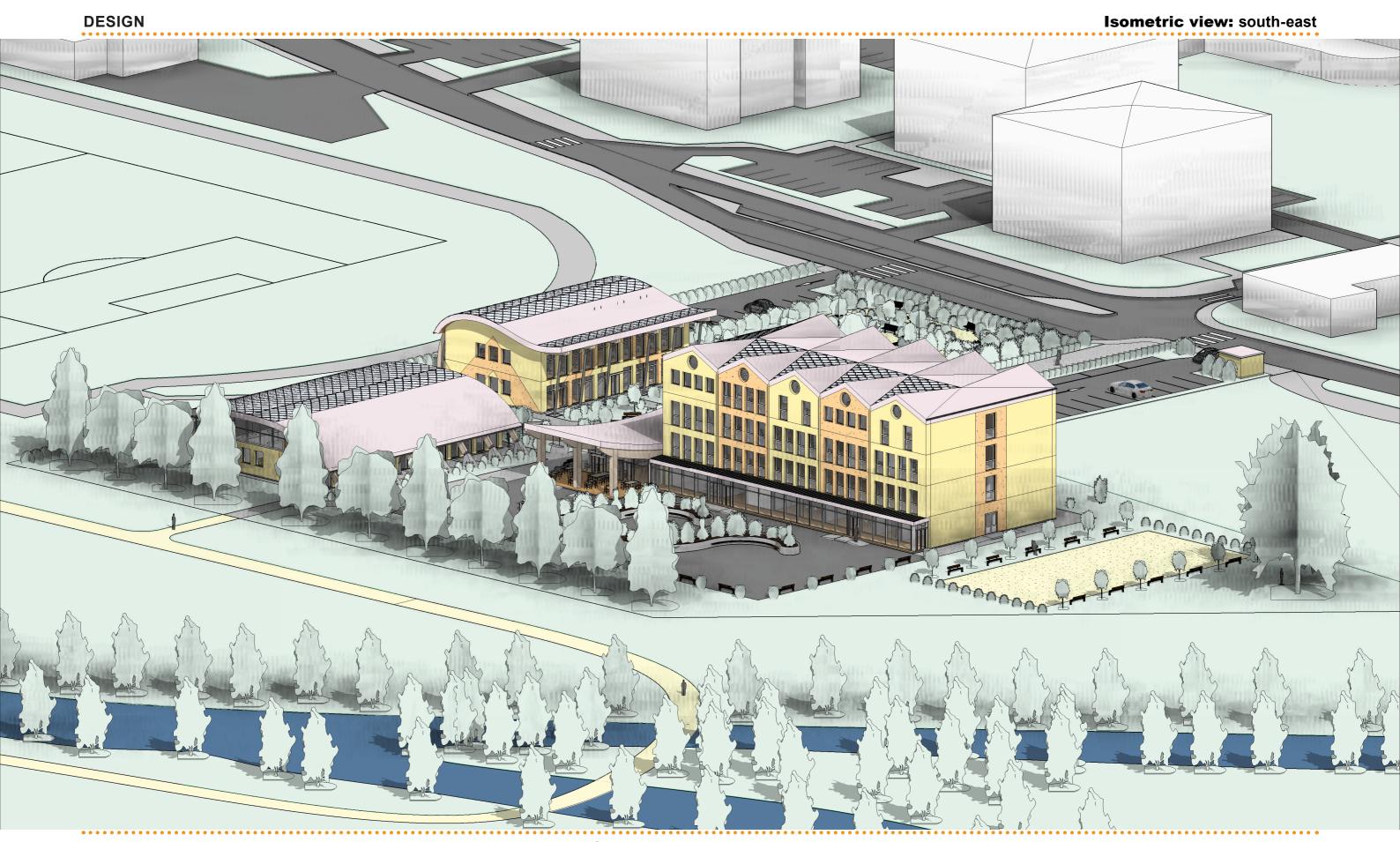


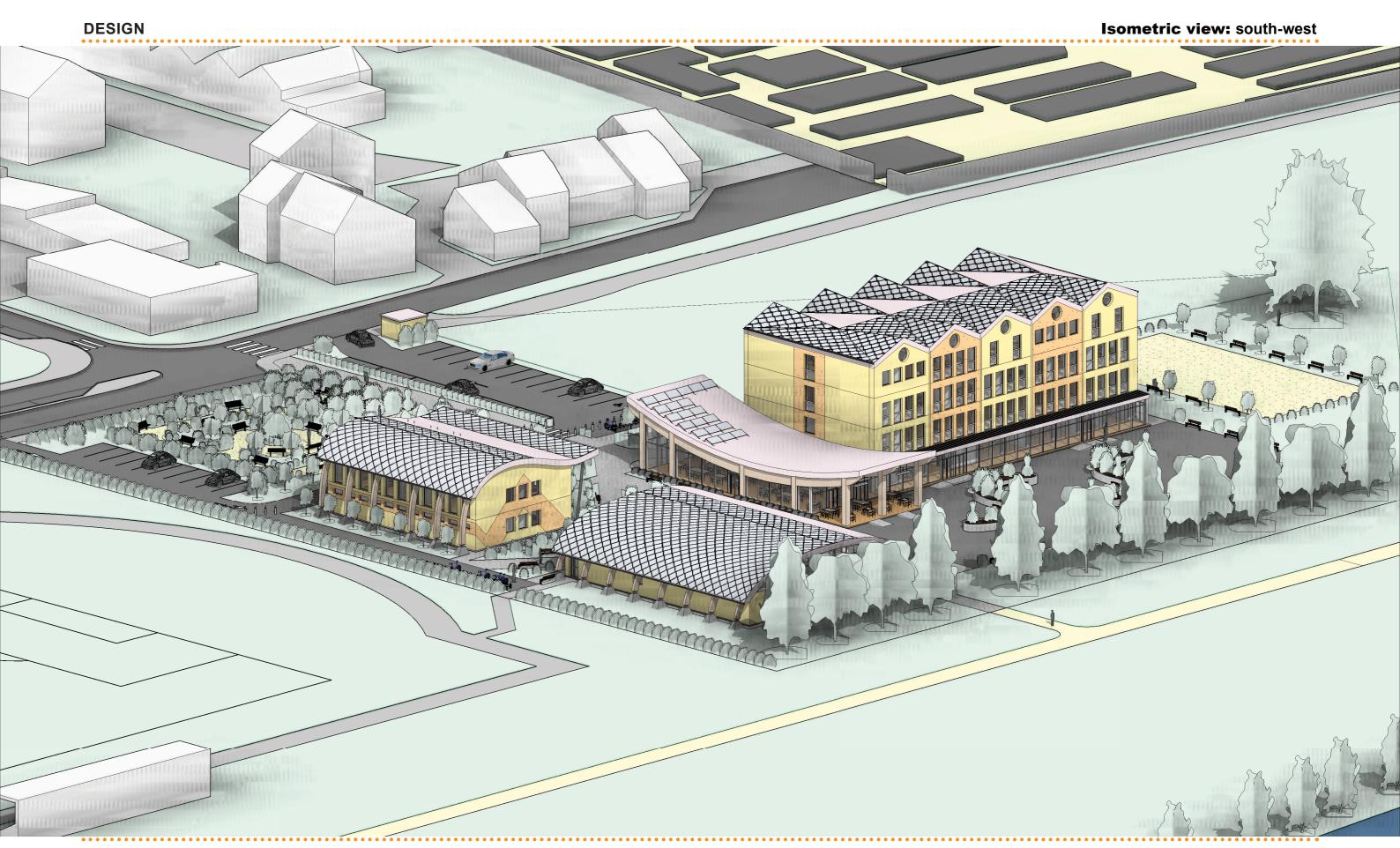
Main Building - Cafeteria

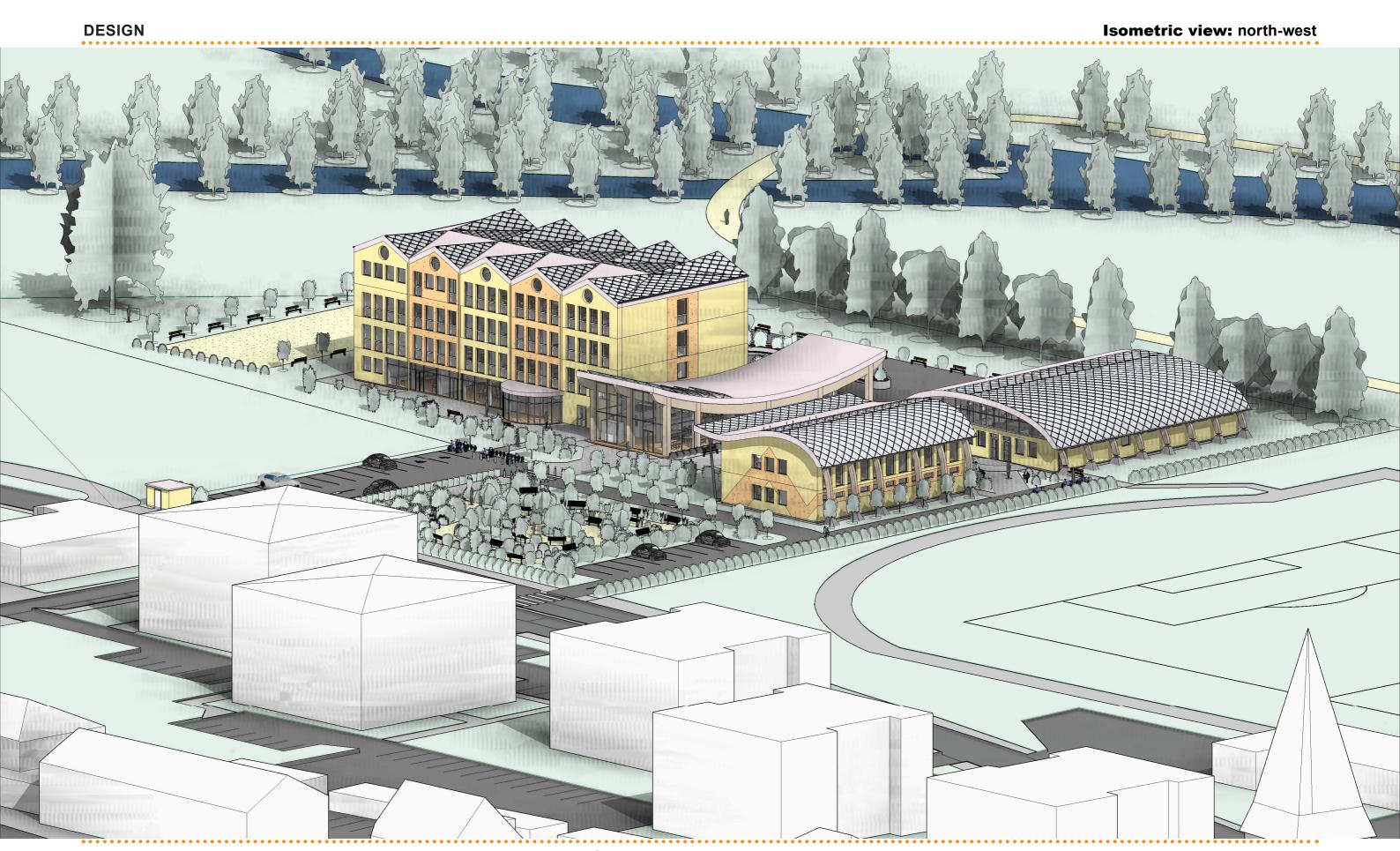


3 Dojo 1:300









DESIGN Render: Site, car park



Render: Site, main entrance DESIGN

DESIGN Render: Site, secondary entrance





DESIGN



DESIGN Render: Site, main courtyard



DESIGN Render: Site, playground



Render: Site, football field DESIGN

DESIGN Render: Indoor, Dojo



DESIGN Render: Indoor, Fitness



DESIGN Render: Indoor, Cafeteria



DESIGN Render: Indoor, doctor's office



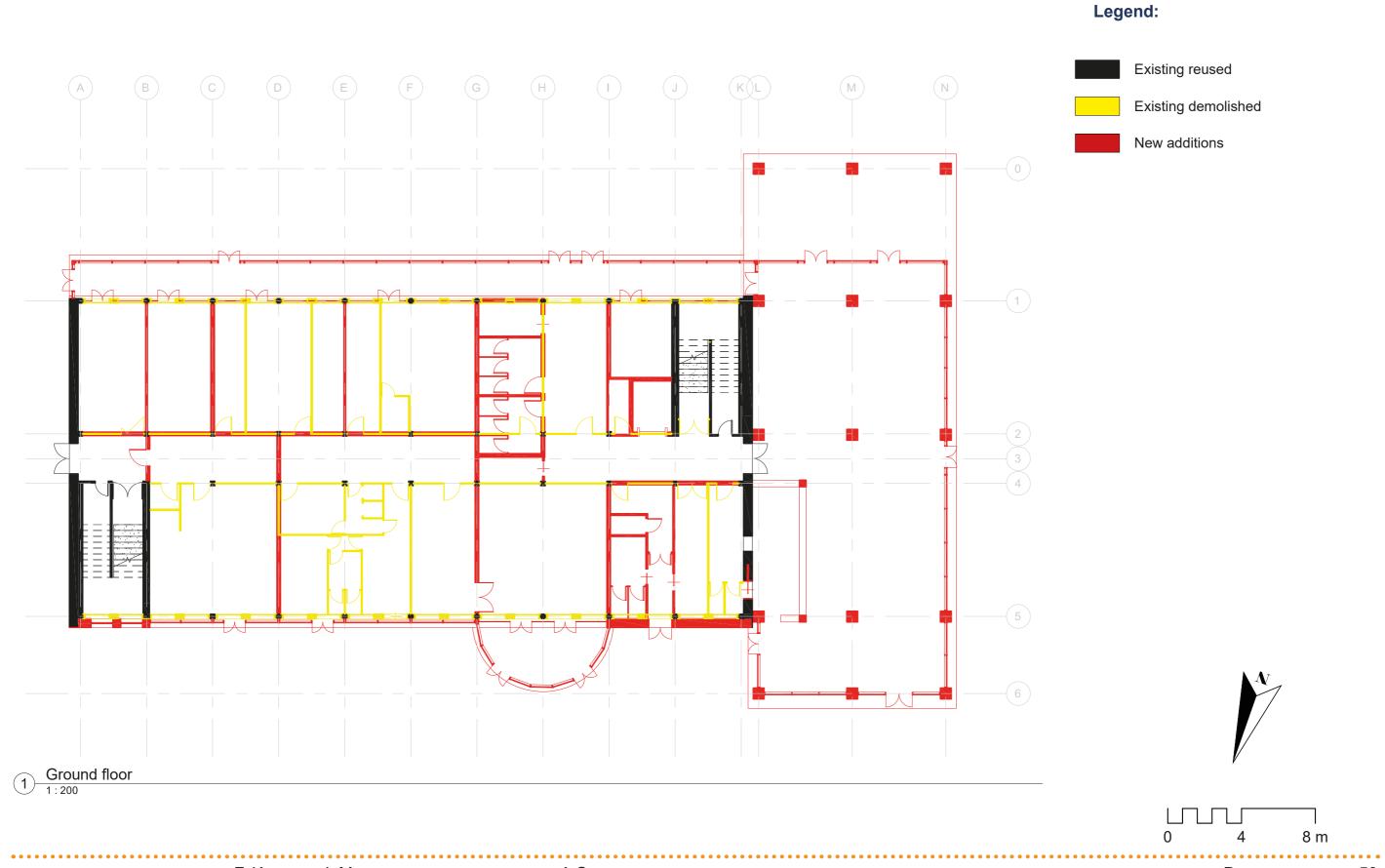


DESIGN Render: Indoor, co-working space



DESIGN Render: Night, car park

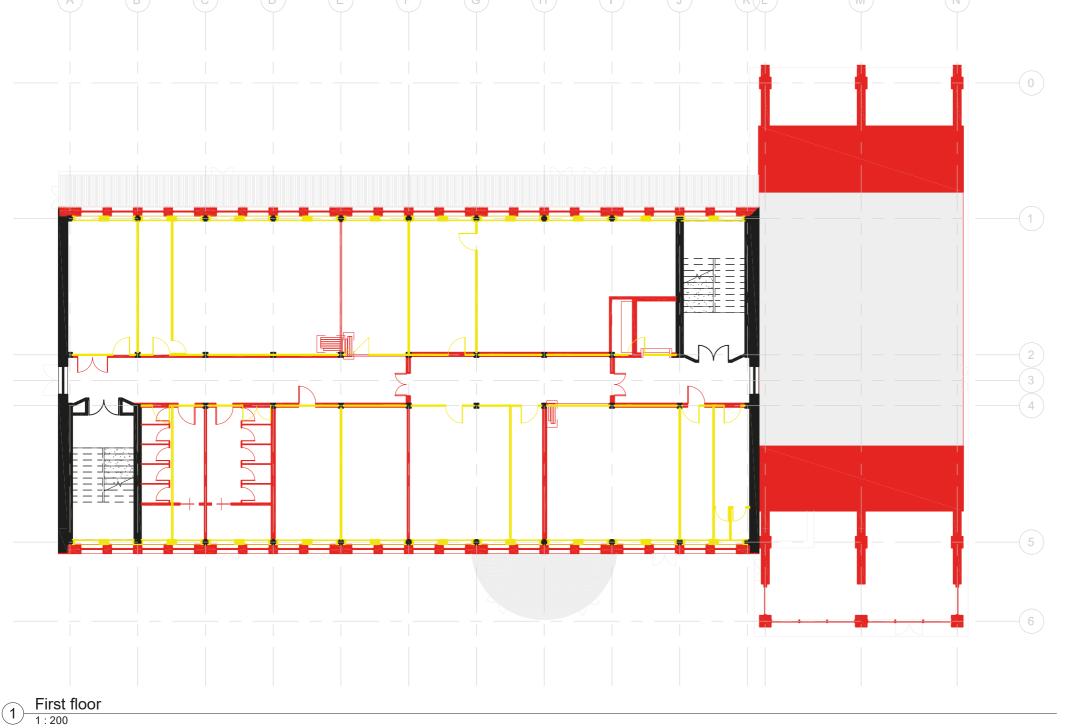




Existing reused Existing demolished

Legend:

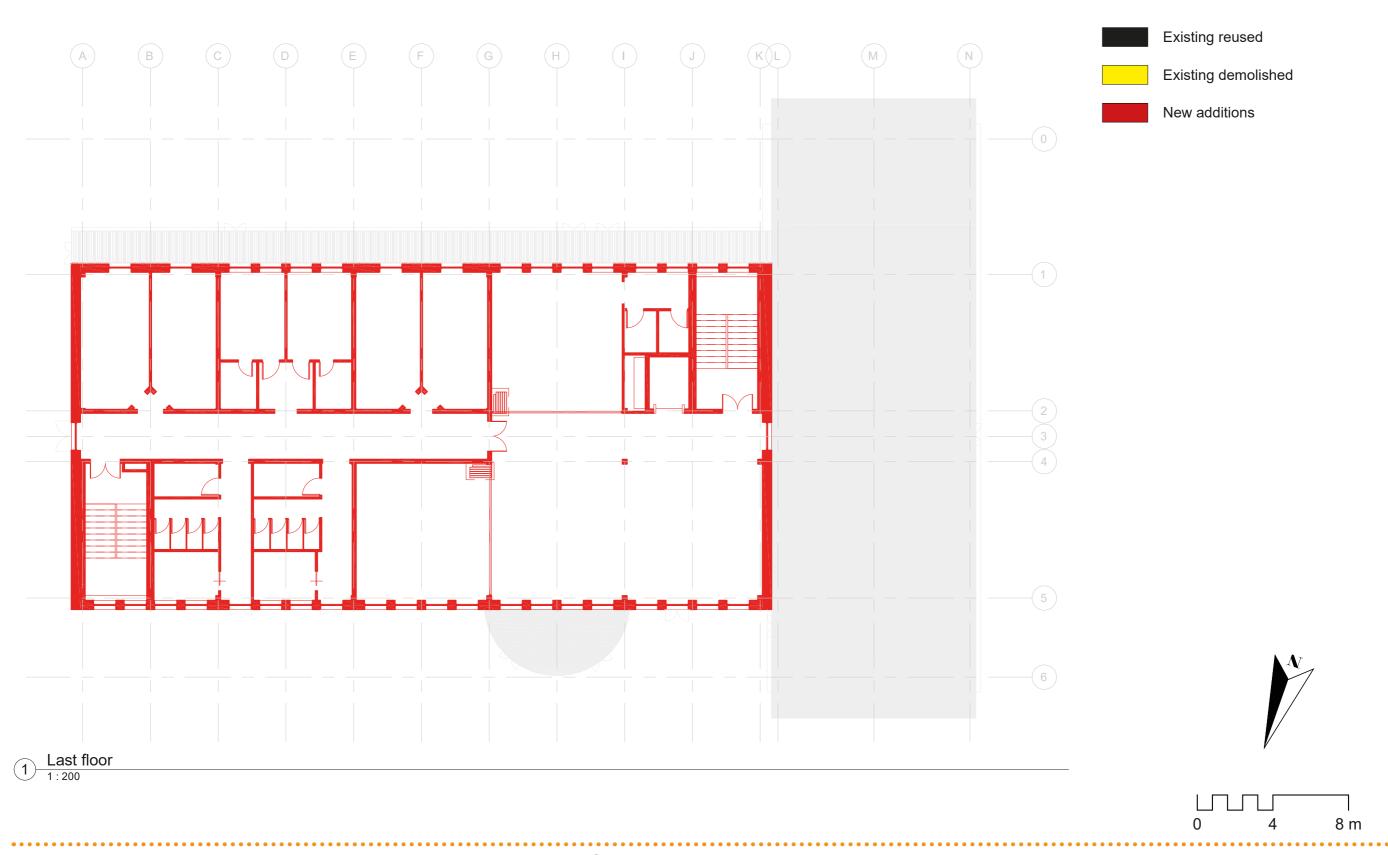




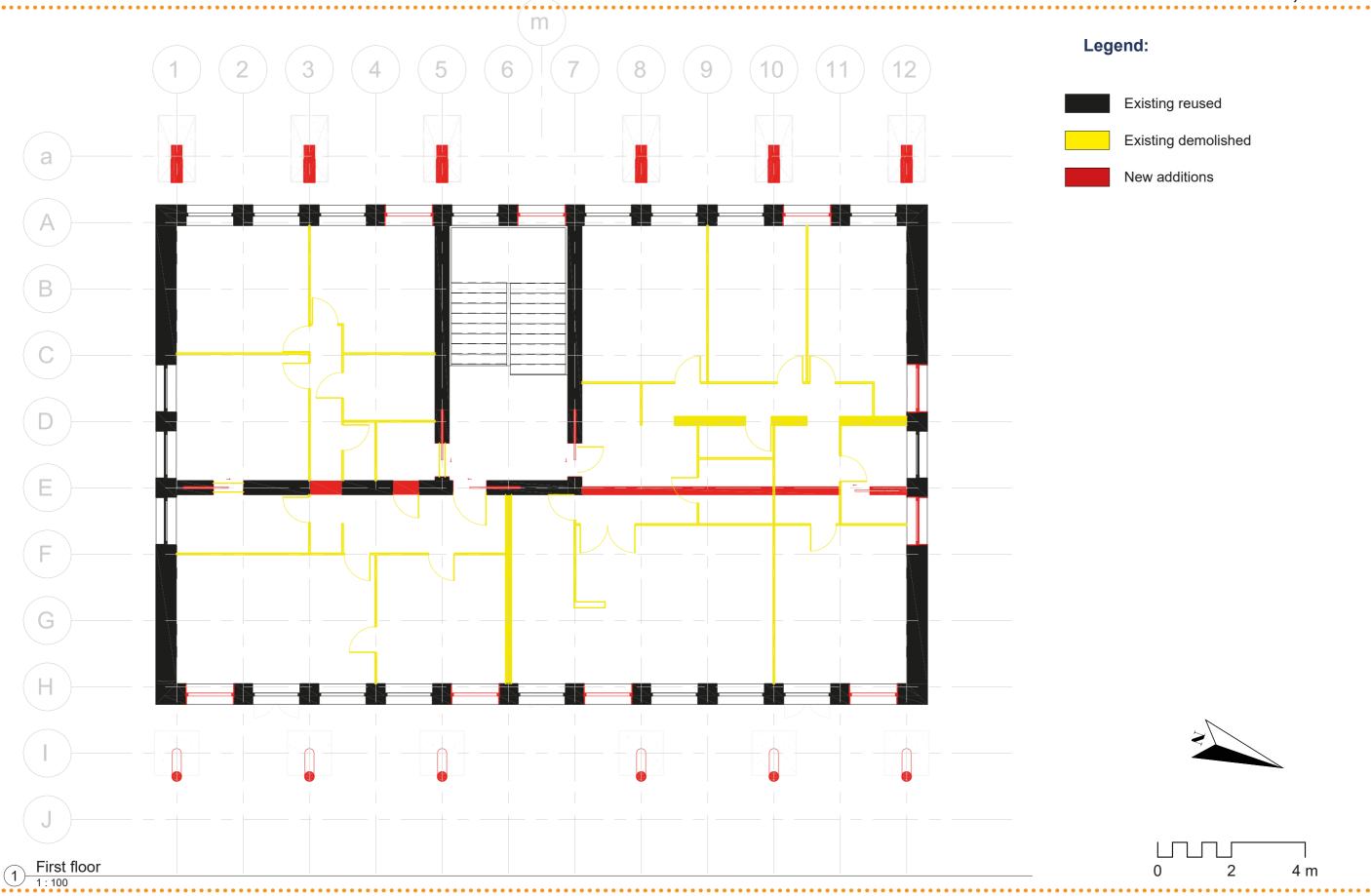


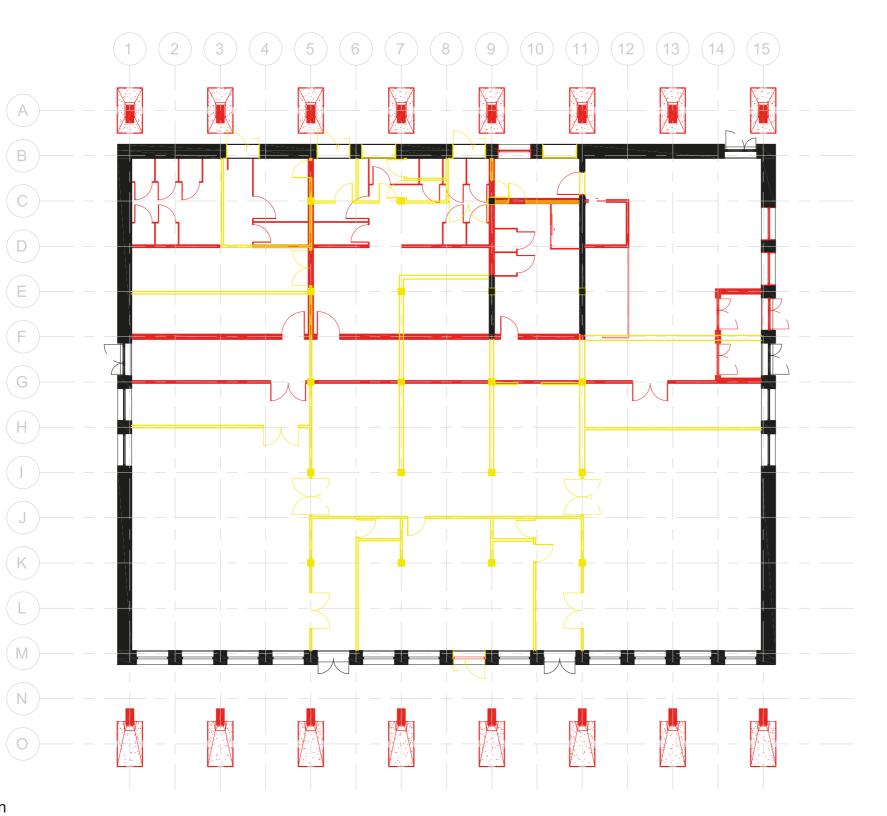
Legend: Existing reused Existing demolished New additions Second floor 1:200 8 m

Legend:



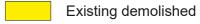






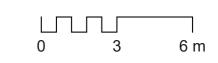
Legend:

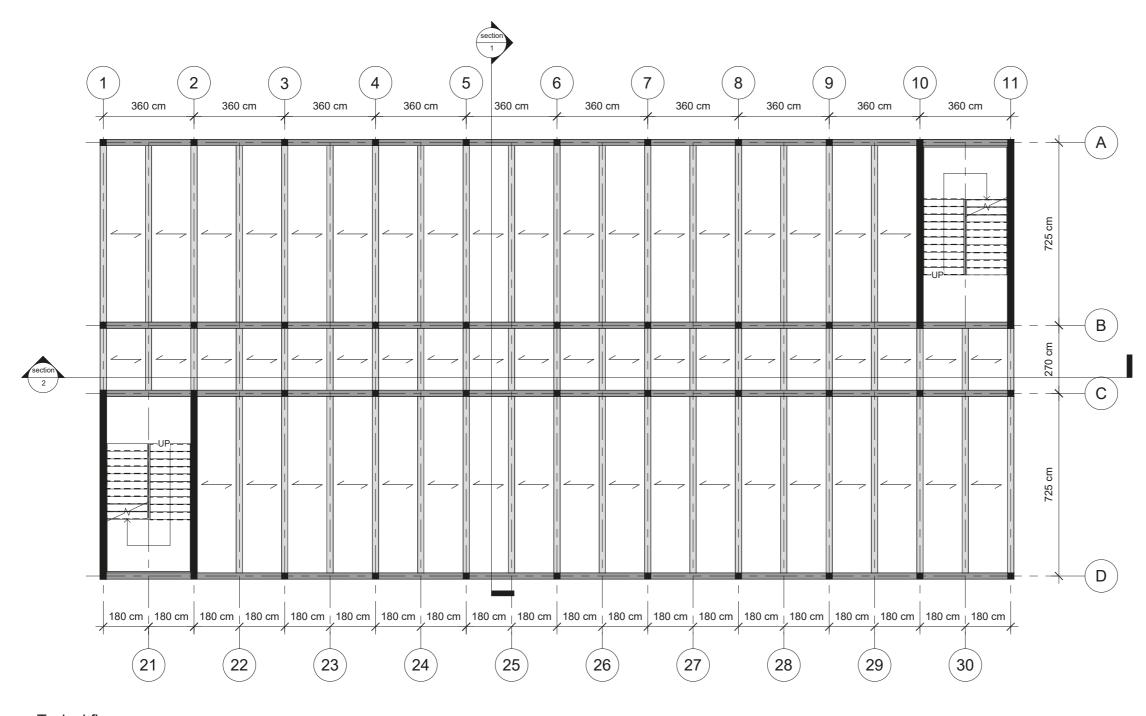




New additions

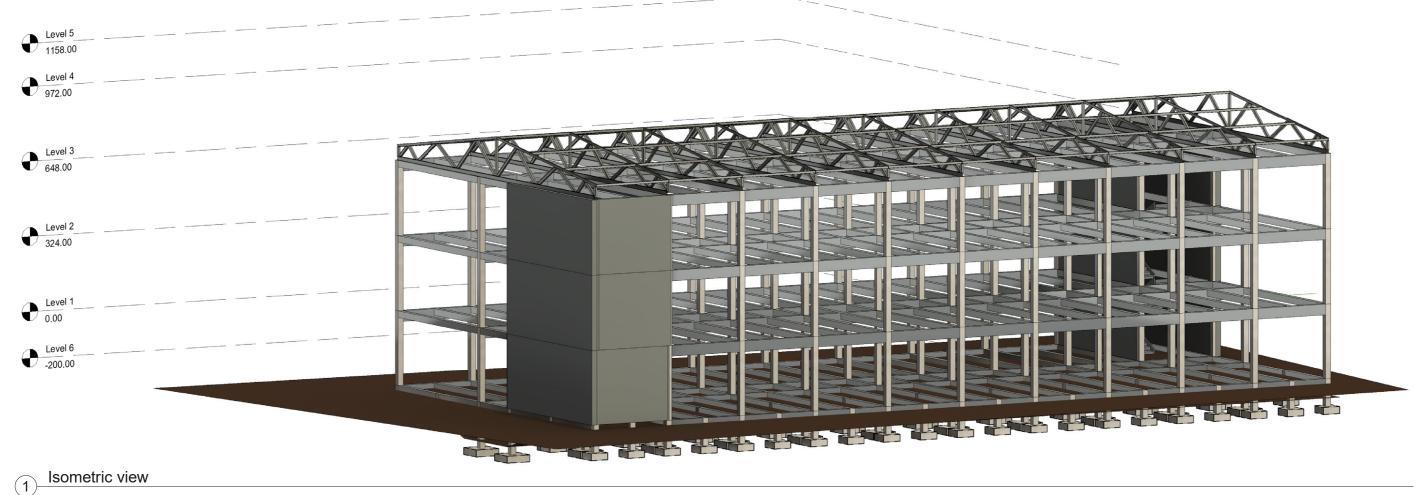


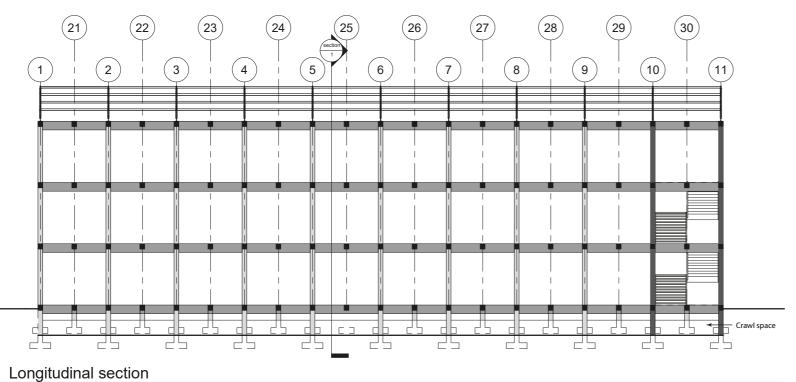


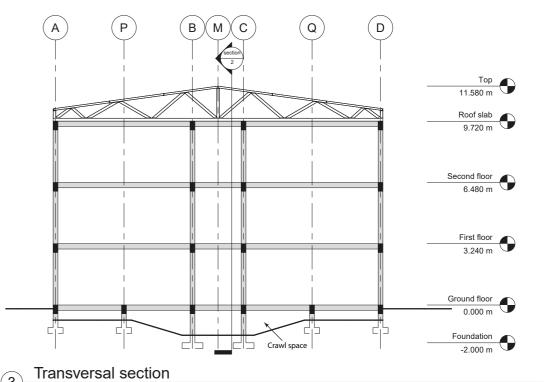


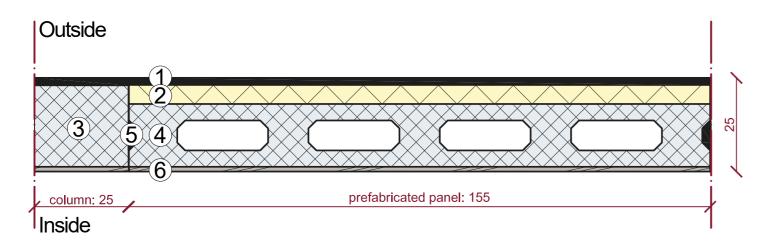
1 Typical floor

0 3 6 m





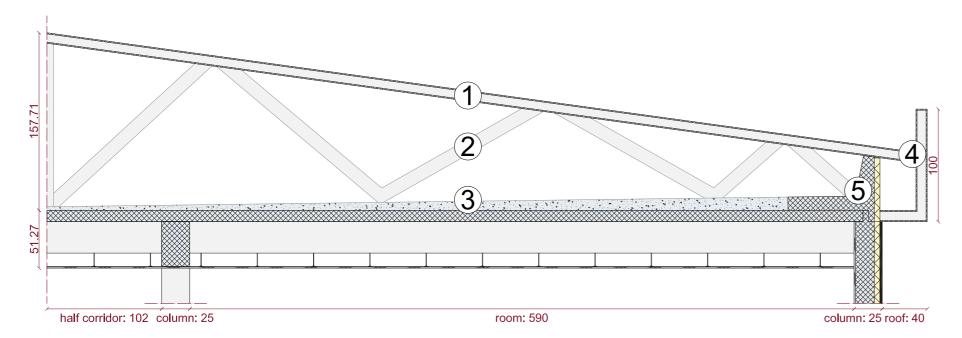




	Layers	s [m]
	Outdoor	
1	Plaster finishing	0.020
2	Polystyrene	0.050
3	Column	0.250
4	Hollow reinforced con- crete panel	0.168
(5)	Joint	-
6	Plasterboard	0.0127
	Indoor	

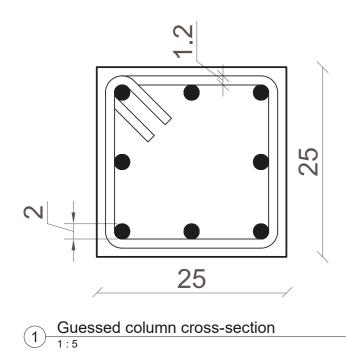
Existing prefabricated façade panel detail

1	1 -	1	nn



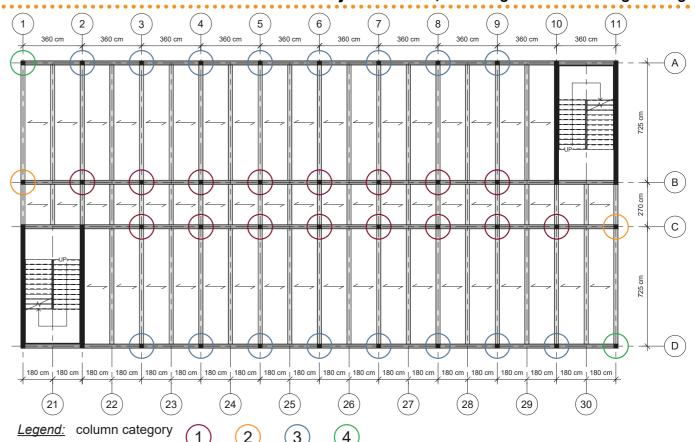
	Components		
	Outdoor		
1	roofing with a metal sheet		
2	metal lattice for the roof structure		
3	slope in concrete		
4	gutter designed with the roof shape		
(5)	prefabricated concrete "panel" for the roof side		
	Indoor		

Existing steel roof detail



0.5

2 Column strengthening with CFRP



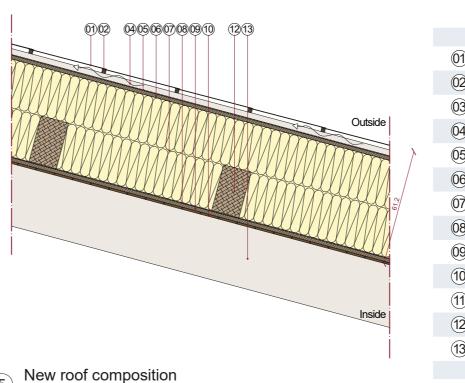
		47	
•			
Outside			Inside
	K		

<u>@1</u> —			
(02)	KT		
<u></u>			
03			
(04)			
<u> </u>	K		
<u>(05)</u> ——			
•		XC/XXX/XXX	
<u>(06)</u> ——			
	K		
<u>07</u>			
<u>(08)</u> ——			
	K		
<u>09</u> —			

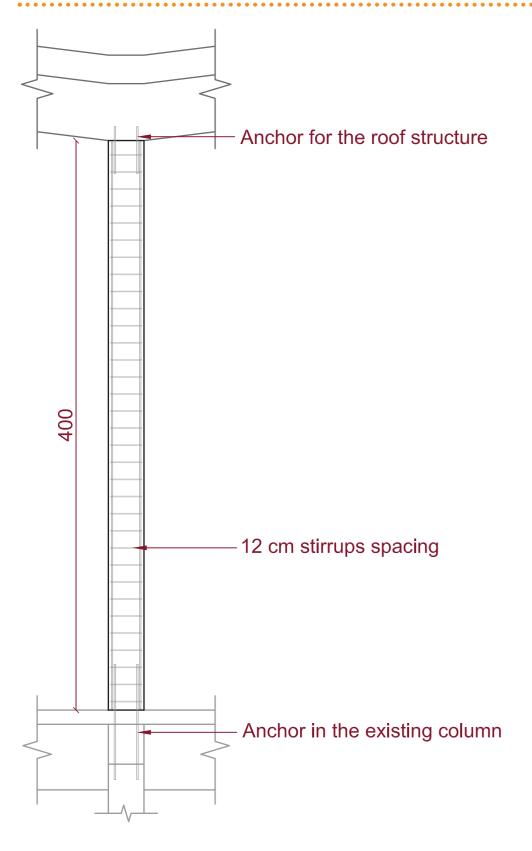
	Layers	s [m]
	Outdoor	
01	ETICS render	0.005
<u>©</u> 2	Thermal insulation (Polystyrene)	0.100
03	OSB	0.019
04	Thermal insula- tion (Mineral wool) between the struc- ture frame	0.250
05	Timber framing	0.250
06	Vapour barrier	0.0003
07)	OSB	0.019
08)	Technical space (for pipes) filled by mineral wool	0.050
09	2 Plasterboards	2 x 0.0127
	Indoor	

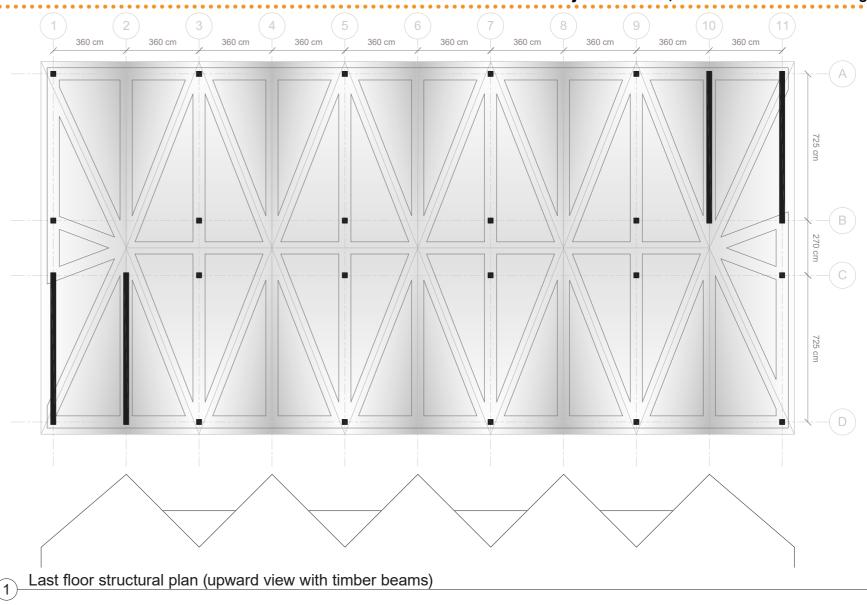
New façade panel

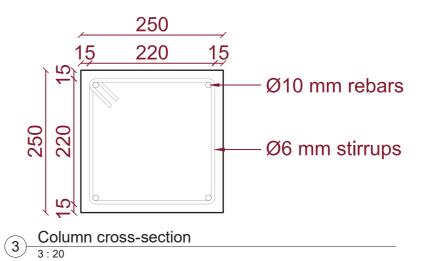
3 Different column types



	Layers	s [m]
	Outdoor	
01)	Metallic tiles (AI)	0.005
02	Minor purlin	0.020
03	Fixation	-
04)	Ventilated cavity & Minor rafters	0.030
05)	Waterproof	0.004
06	OSB	0.019
07)	Thermal insulation (mineral wool)	2 x 0.250
08)	Vapour barrier	0.0003
09	OSB	0.019
10	Wooden finishing	0.010
11)	Secondary rafter	0.150
12	Major purlin	0.250
13	Principal rafter	To determine
	Indoor	







Transversal reinforcement in the column

J 3:8

