VIII. district, 1084,
Karácsony Sándor u. 35.

Budapest, Hungary

) i p l o m a

Mariam Bulia

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Project overview

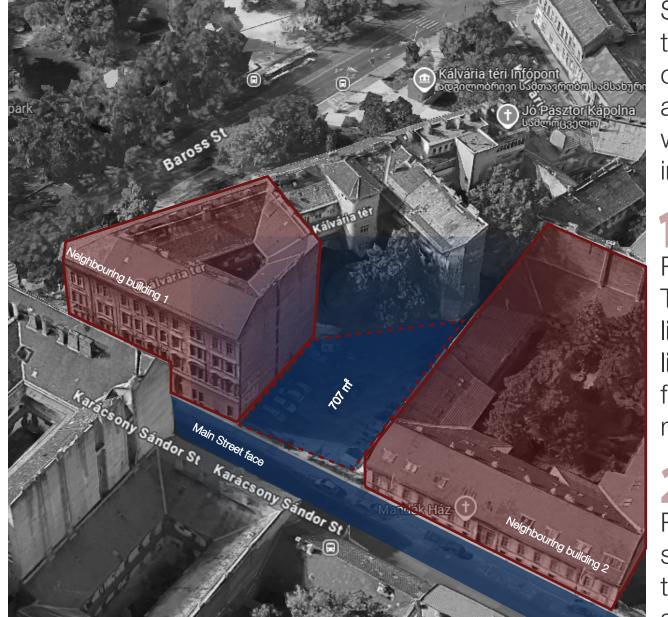
The Urban Memory Lab is a cultural and educational facility designed to serve as a bridge between the past and the future of Budapest's 8th district. Situated on Karácsony Sándor utca, the lab integrates heritage preservation with modern interactive learning, offering a public exhibition gallery, workshop spaces, a research library, and office spaces.

The project's primary aim is to create a dynamic, participatory space where visitors can engage with the history and evolving identity of the neighborhood. The ground floor is dedicated to public engagement through exhibition spaces and workshops, while the upper levels house research archives, offices, and a library. A significant 30% of the site is designated as green space, reinforcing the district's commitment to environmental and social sustainability

Justification

The Urban Memory Lab responds to the contrasting scales and histories of its site by bridging a tall residential block and a low-rise structure. Originally planned as a 1–2 story building, its height was increased to ensure proper daylight and usability, adapting to the shadow impact of the neighboring structure.

The design promotes social equity, sustainability, and heritage preservation, creating a layered space for community engagement, reflection, and co-creation. It stands as both a cultural anchor and a future-oriented civic platform within the urban fabric.



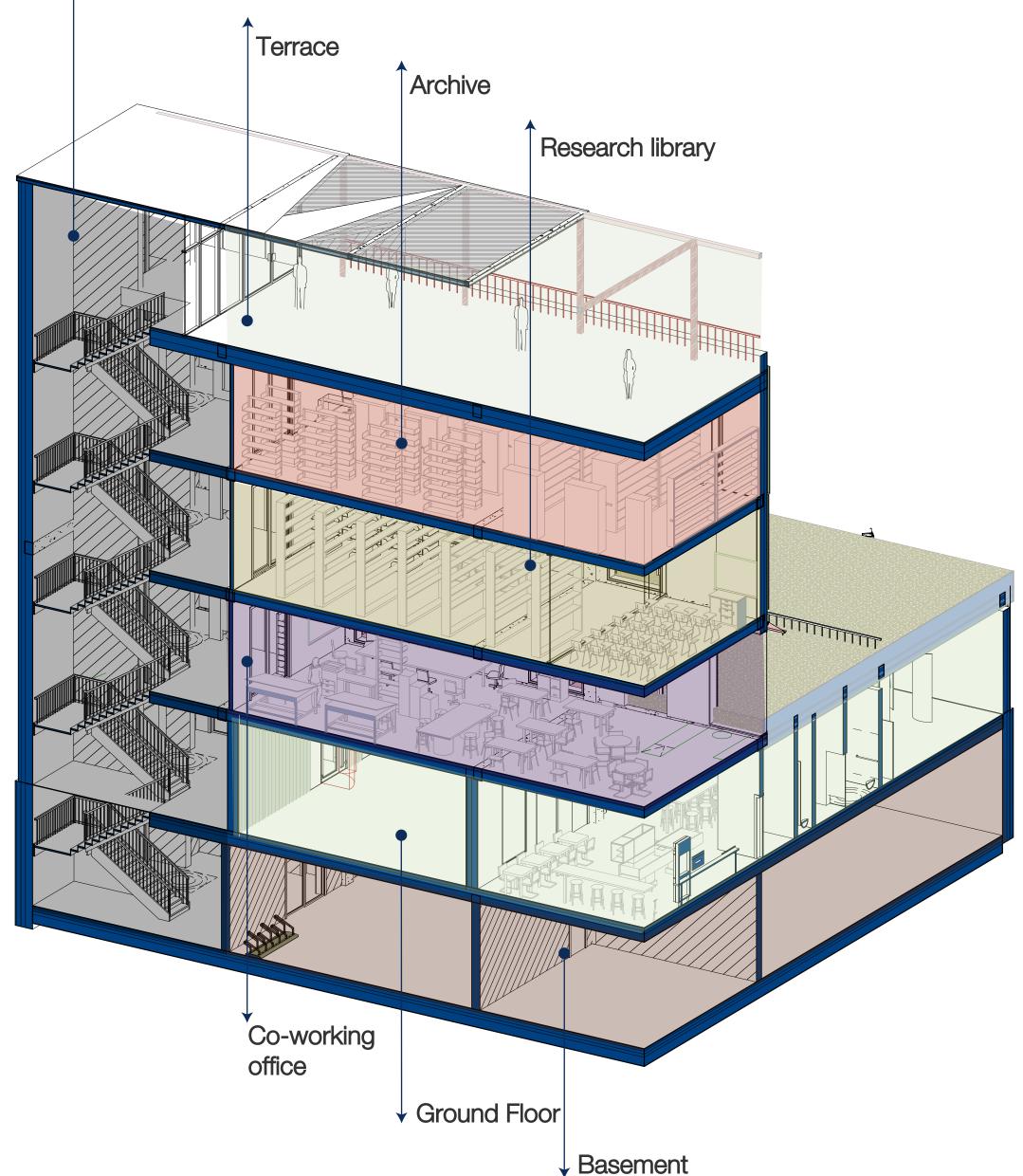
Situated amid neighboring structures, the proposed site occupies a central position within the existing architectural landscape, integrating with its immediate urban surroundings.

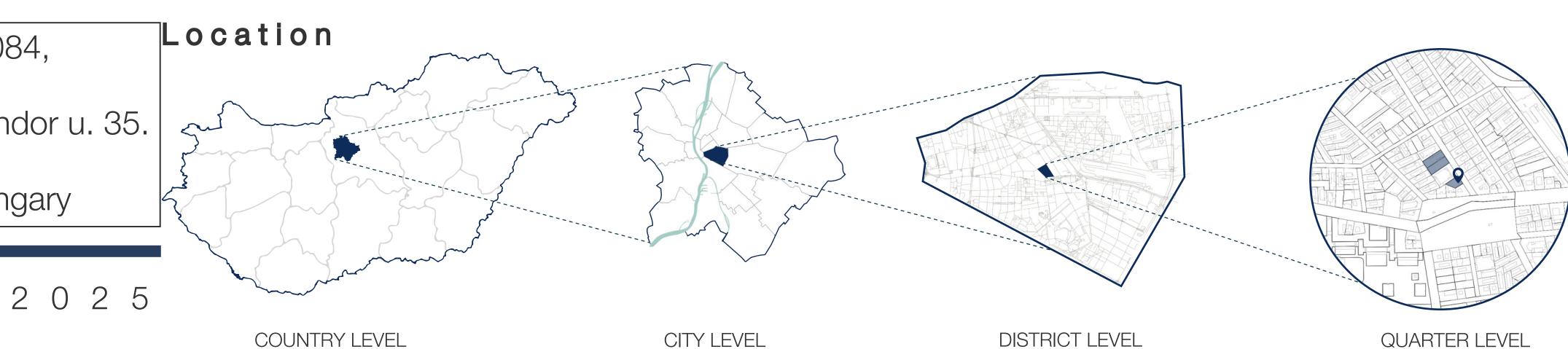
Residential 4-story building
The upper levels are designed for
living spaces, while the ground floor
likely accommodates retail or office
functions, contributing to the
mixed-use character of the area.

Religious facility is a modestly scaled, single-story structure with a tall, central nave and a simple yet striking facade.

Both neighbouring buildings have **fire walls**, creating clear boundaries and enhancing fire safety for proposed site.

†Circulation units

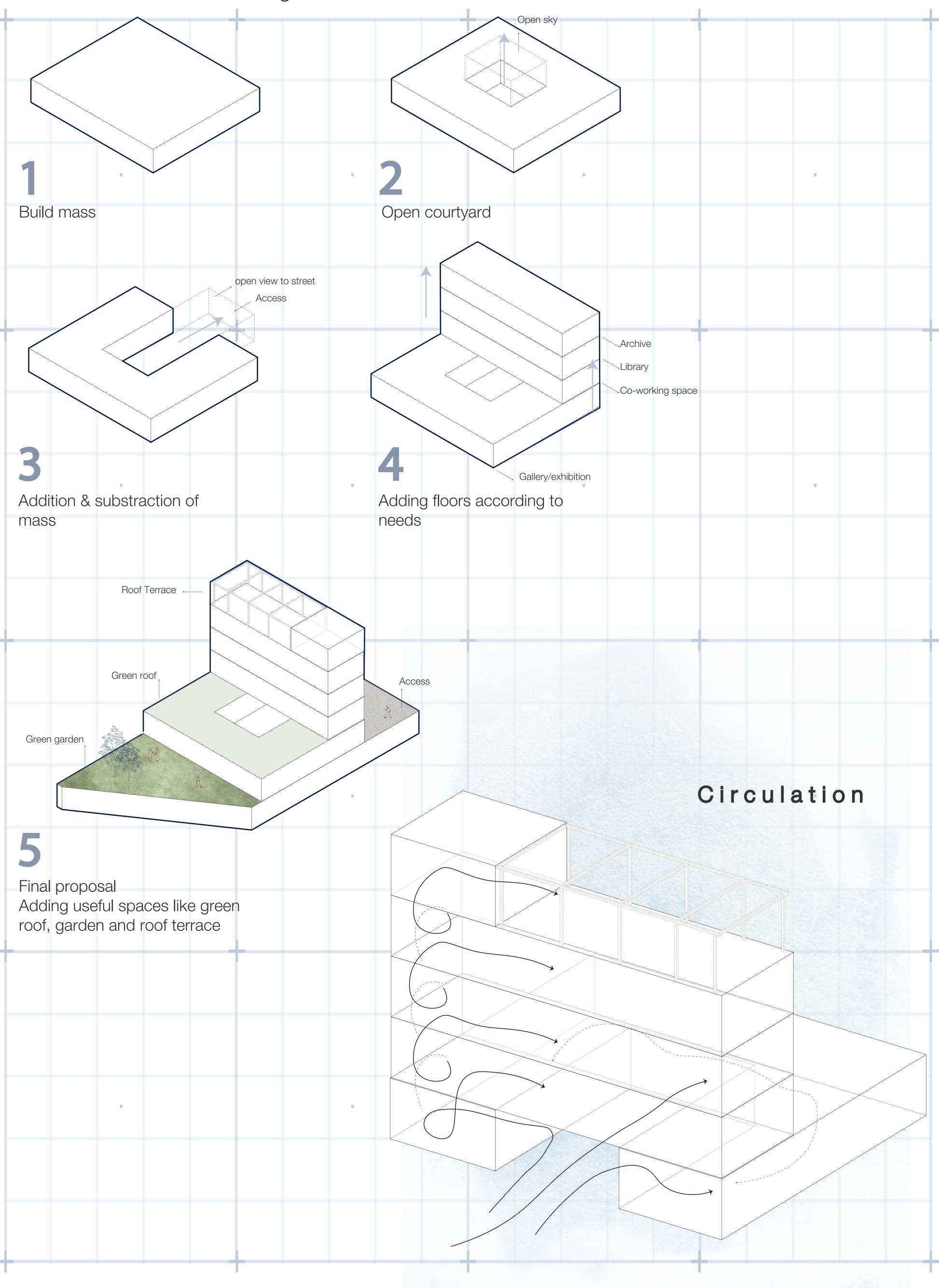




The project site is located in Budapest's 8th district (Józsefváros), within the Magdolna Quarter, an area characterized by a complex urban and social history. The district has traditionally been known for its dense residential fabric, diverse communities, and significant historical layers. In recent years, it has become the focus of various urban regeneration initiatives, aiming to improve living conditions while preserving the area's unique identity.

The specific site lies on Karácsony Sándor utca, a street that reflects the transitional nature of the neighborhood. The immediate context includes a mix of residential buildings, community institutions, and cultural facilities. This location presents a meaningful setting for the Urban Memory Lab, aligning with the project's objectives of engaging with urban memory, community needs, and sustainable development within a historically layered and evolving environment.

Form Evolution Diagram



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Site Photos





Neighbouring Fire-walls









Regulations

	Λ	В	C	D	E	F	G	н	1	,	K.	L
1.	Építési övezet jele	Beépítési mód	Az építési telek kialakítható					Legnagyobb szintterületi mutató		Az épület		
2.			legkisebb területe	legki- sebb széles- sége	legnagyobb beépítettsége terepszint		legki- sebb zöld- felülete	általá- nos	park o- lási célú	utcai párkány- magassága	Az épület- magasság	
3.					felett	alatt	resurese	szmá	szmp	legfeljebb	legalább	legfeljeb
4.			m²	i_m	% %		%	m²/telek m²		m		
5.	Ln-1/M-1	z	500	18	65	85	15	4,0	1,0	1. melléklet		
2.					s75	6.5	s10	s4,5		szerint		
6.	Ln-1/M-2	Z	500	18	60	85	15	3,5	1,0	1. melléklet	=	
					s75		s10	s4,0		szerint		
7.	Ln-1/M-3	Z	500	18	50	70	20	3,5	0,7	1. melléklet		
1.					s75			s4,0		szerint		
8.	Ln-1/M- Kk	SZ	K	K	3	-	40	0,03	-			4,5

Beépítési mód: Z -have to build from one neighboring facade till the other neighboring façade. Streetfront.

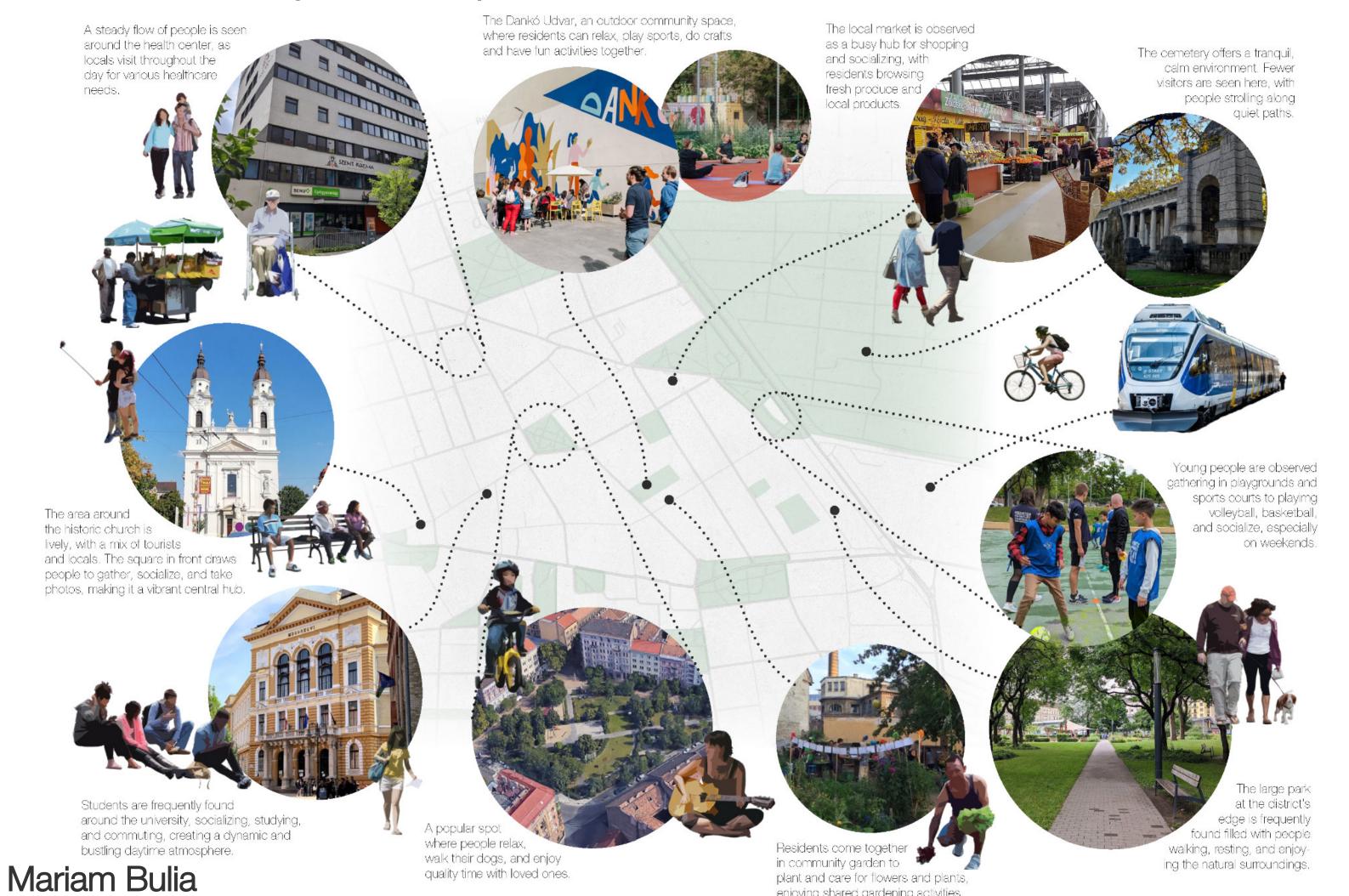
Legnagyobb beépítettség terepszint felett- maximum percentage of the floor area abouve ground can be built.

Terepszint alatt - under the ground can be built. LEgkisebb zöldfelület -minimum green area.

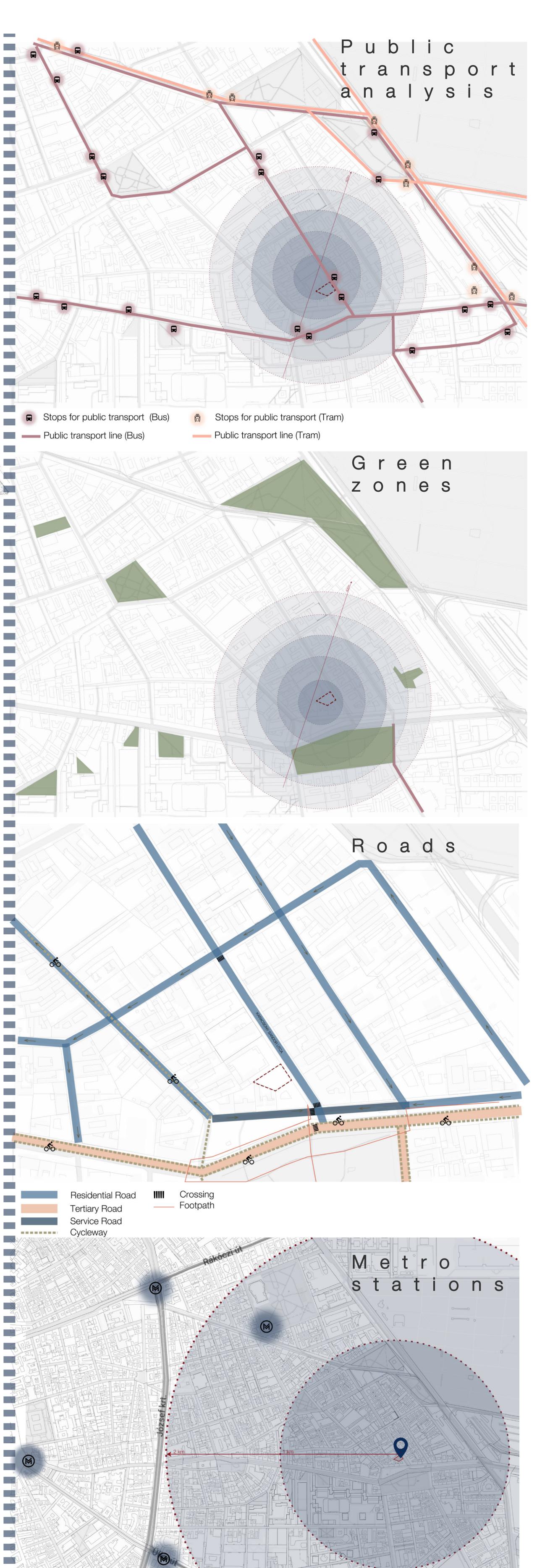
Szintterületi mutató -the complete floorarea with all the levels divided with the parcel floor area.



Activity map



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Ground floor plan Urban Proposal for VIII. district, 1084, 1:100 Gallery/ Memory workshop Karácsony Sándor u. 35. a r e a Lab Budapest, Hungary The flexible, rotatable gallery/workshop space allows for diverse event configurations, supporting a dynamic exchange of ideas and fostering community engagement. 2 0 2 5 Diploma 2 3 (D)В First floor plan Community memory exhibitions – Second floor plan showcasing local stories, photos, and 1:100 artifacts. Public lectures or talks - on sustainability, heritage, or urban transforma-Basement plan tion. 1:100 (c)Pop-up screenings or performances connecting memory with contemporary culture. Collaborative workshops – co-creating Archive/Library Storage **Gallery Storage** installations or models related to urban change. floor 2 1:100 Activities can vary from rotating artist residencies - inviting artists to respond to the site's history, to iteractive mapping sessions - residents contributing to a shared memory map. (3) Each event reflects building's role as an Urban Memory Lab—a space that bridges past and future through collective participation. Waste Room Mariam Bulia

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FACADE CLADDING ASSEMBLING PHASE

Green Roof 50 cm - vegetation and planting (growing) medium g/m², loose laid 6 cm spec. expanded polystyrene thermal insulation drainboard (drainage and water storage layer) welding (protected against root penetration)

Basement Slab

6 cm - Screed

2 cm - Gres tiles + adhesive

1 - PE foil technological layer

1 - cold bituminious grounding

10cm - XPS thermal insulation

30cm - Compacted gravel bed

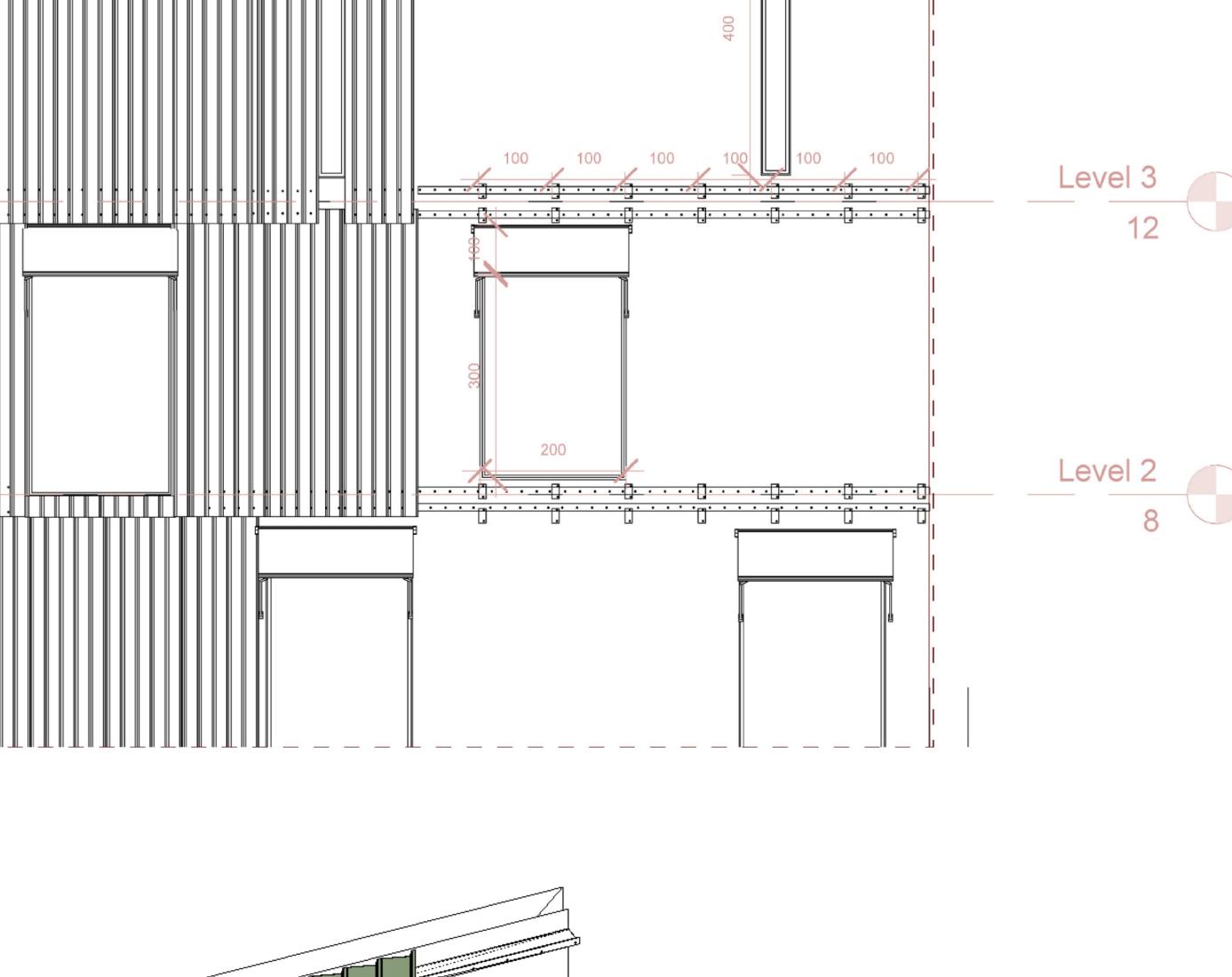
10cm - RC screed

subsoil

1 – 4mm SBS modified bituminous sheet waterproofing

30cm - Slab Foundation - Monolithic RC Slab

Section AA 1 layer - synthetic filter layer with specific density of 125 20 cm extruded polystyrene foam thermal insulation, with 1 layer 4 mm, polyester fibre reinforced SBS modified bitumen membrane waterproofing, fully welded by hot air 1 layer 4 mm, glass fibre reinforced SBS modified bitumen membrane waterproofing, fully welded by hot air welding 1 layer cold bitumen patching compound



W1 W2 Basement Wall General wall 1,5 cm - decorative plaster and paint 1 cm internal plaster + Paint 0,5 cm - thin base plaster and glass net render system 16 cm RC wall 20 cm - mineral wool thermal insulation 20 cm XPS insulation (mechanically fixed) 0,5 cm - airtight base plaster (glue layer) 1 Layer Cold bitumen primer

2 layers bitumen waterproofing

5 cm air gap / cavity

15 cm hollow concrete protection layer

20 cm - RC wall 2 cm - internal plaster and paint

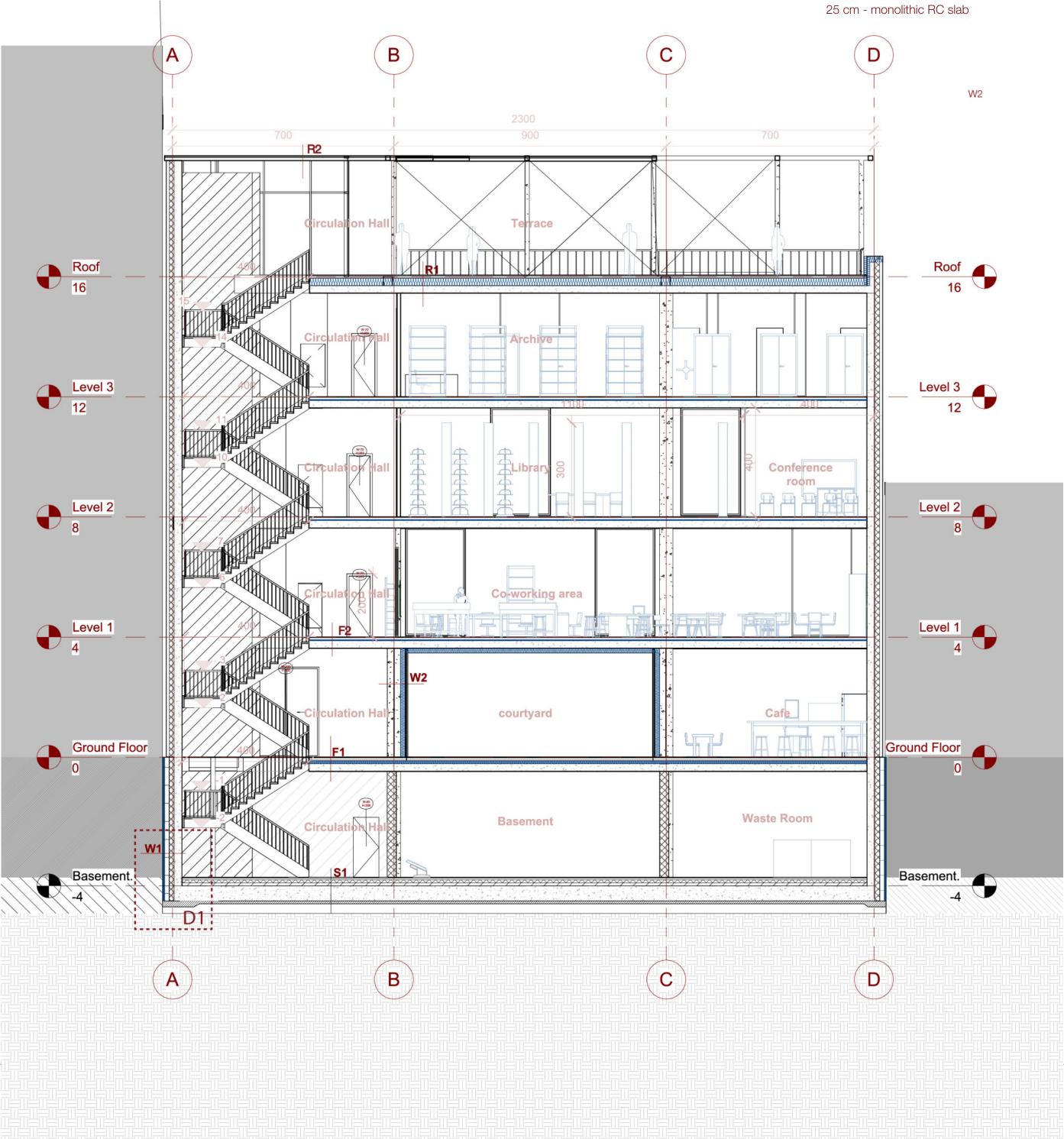
F1 F2 Groundfloor 2 cm - Floor finish (tile/parquet) 7 cm – Screed (with or without underfloor heating) 1 layer – PE foil 3 cm - Mineral wool (sound insulation) 10 cm – EPS thermal insulation 25 cm - RC structural slab (ceiling of basement)

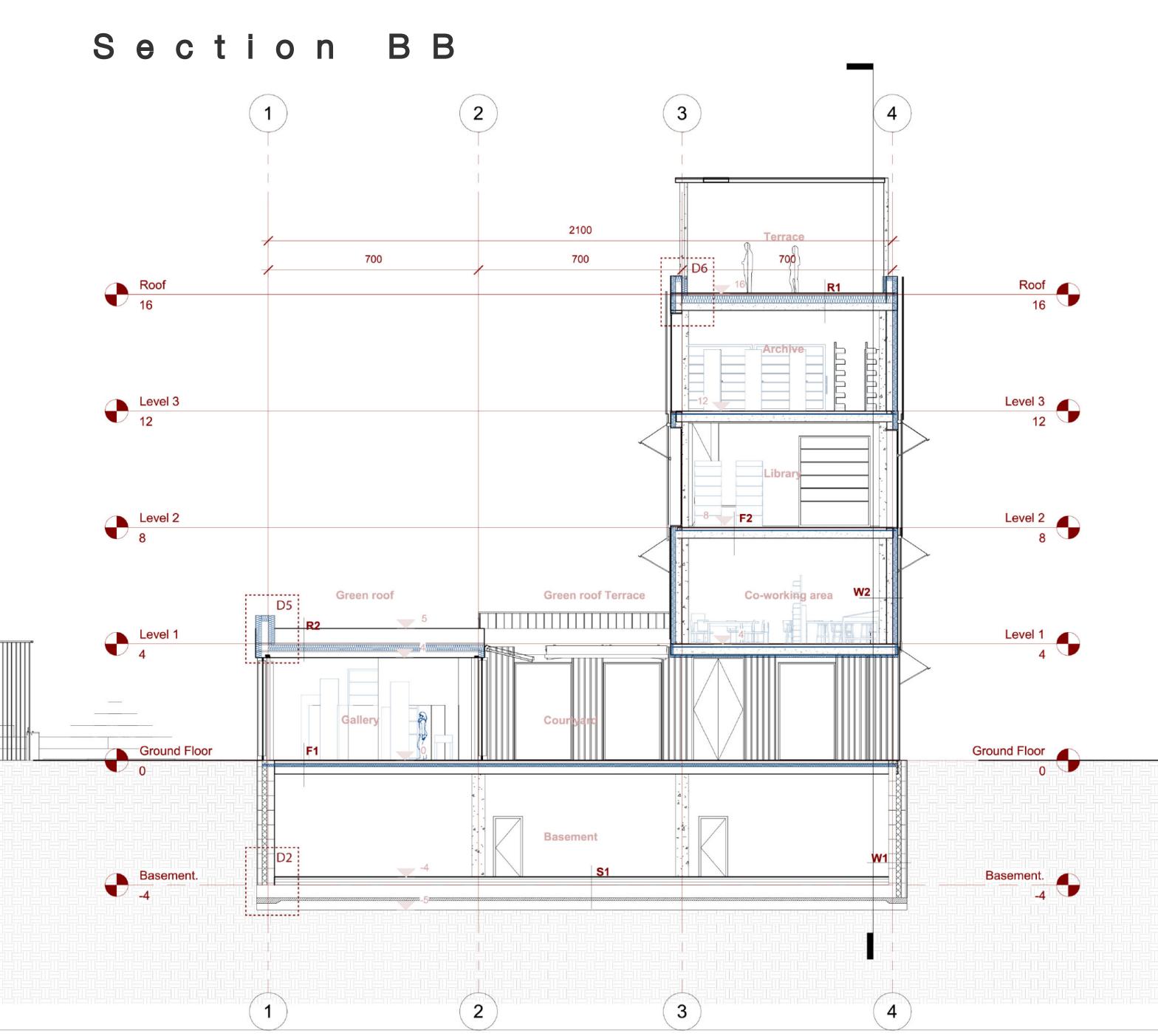
Internal floor 2 cm - Floor finish (tiles/parquet/etc.) 7 cm - Screed 1 Layer – PE foil 3 cm sound insulation (mineral wool or acoustic mat) 25 cm - Monolithic reinforced concrete slab

Flat Roof - Walkable - 60 cm

4 cm - natural stone paving tiles

5 cm - Ø16-32 mm gravel ballasting 1 cm - studded drainage membrane 1 layer - PVC waterproofing membrane 25 cm - PIR foam insulation, providing slope 1 layer - vapor barrier cold bitumen patching compound 25 cm - monolithic RC slab





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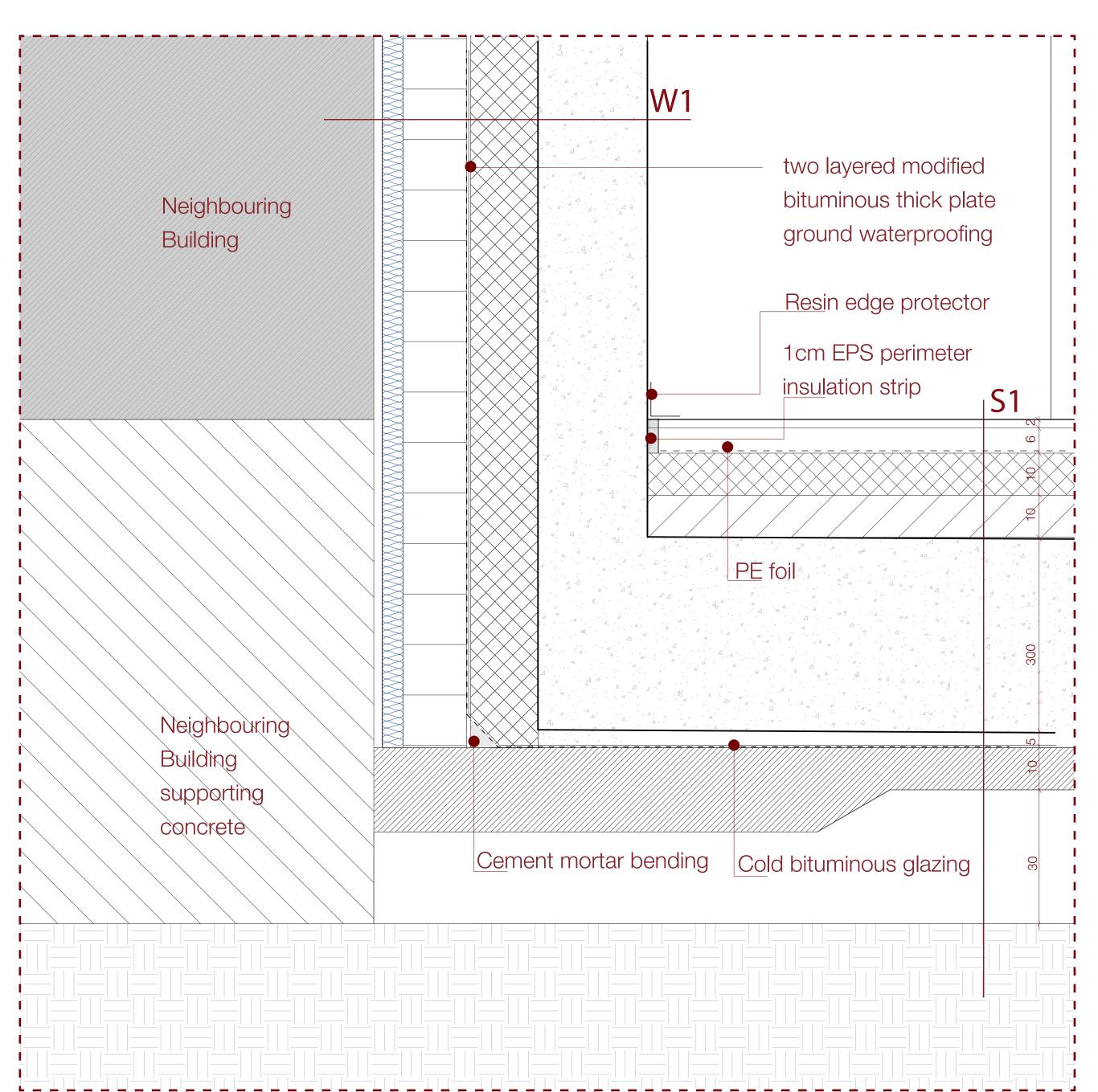
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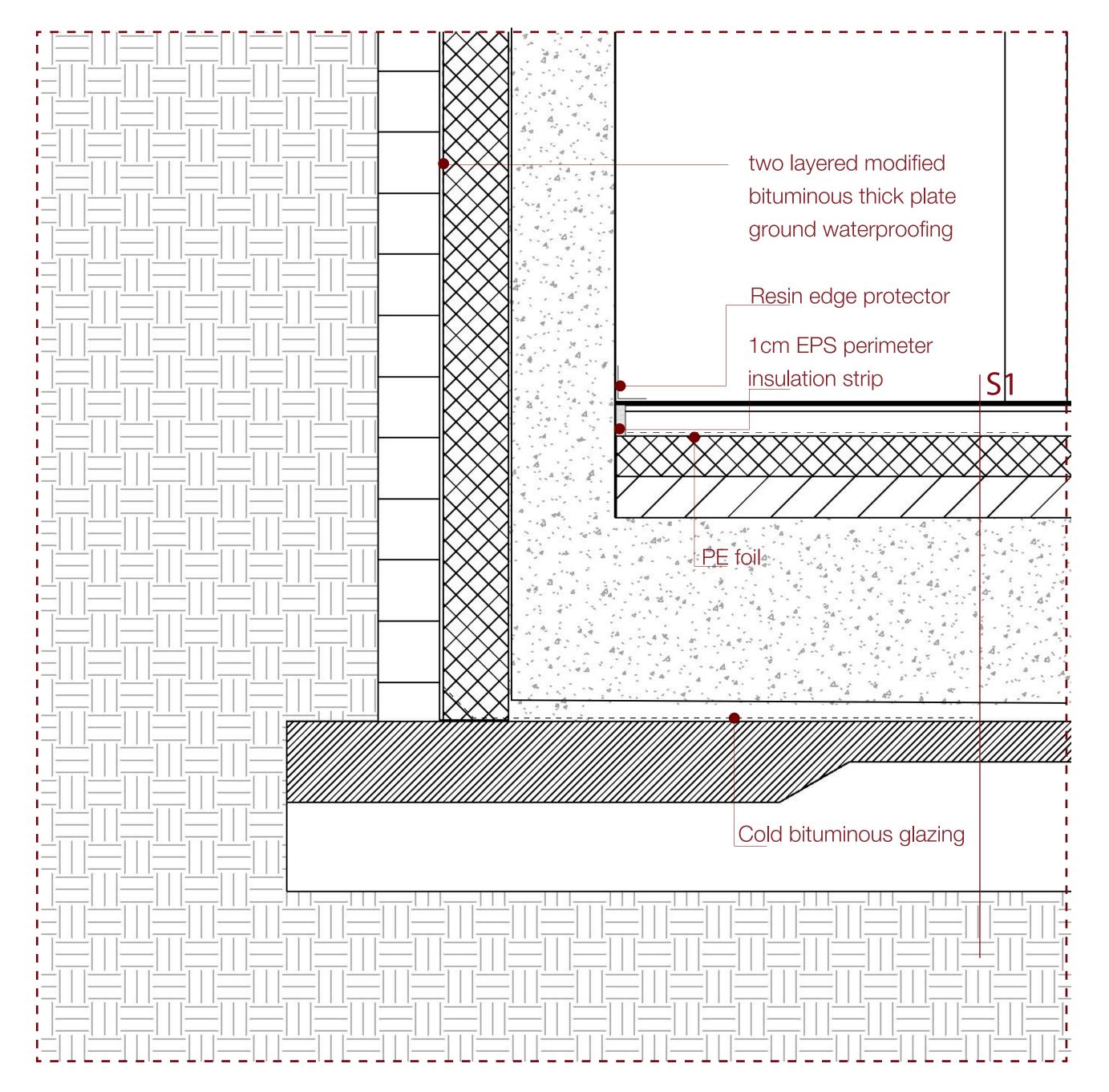
Detail drawings

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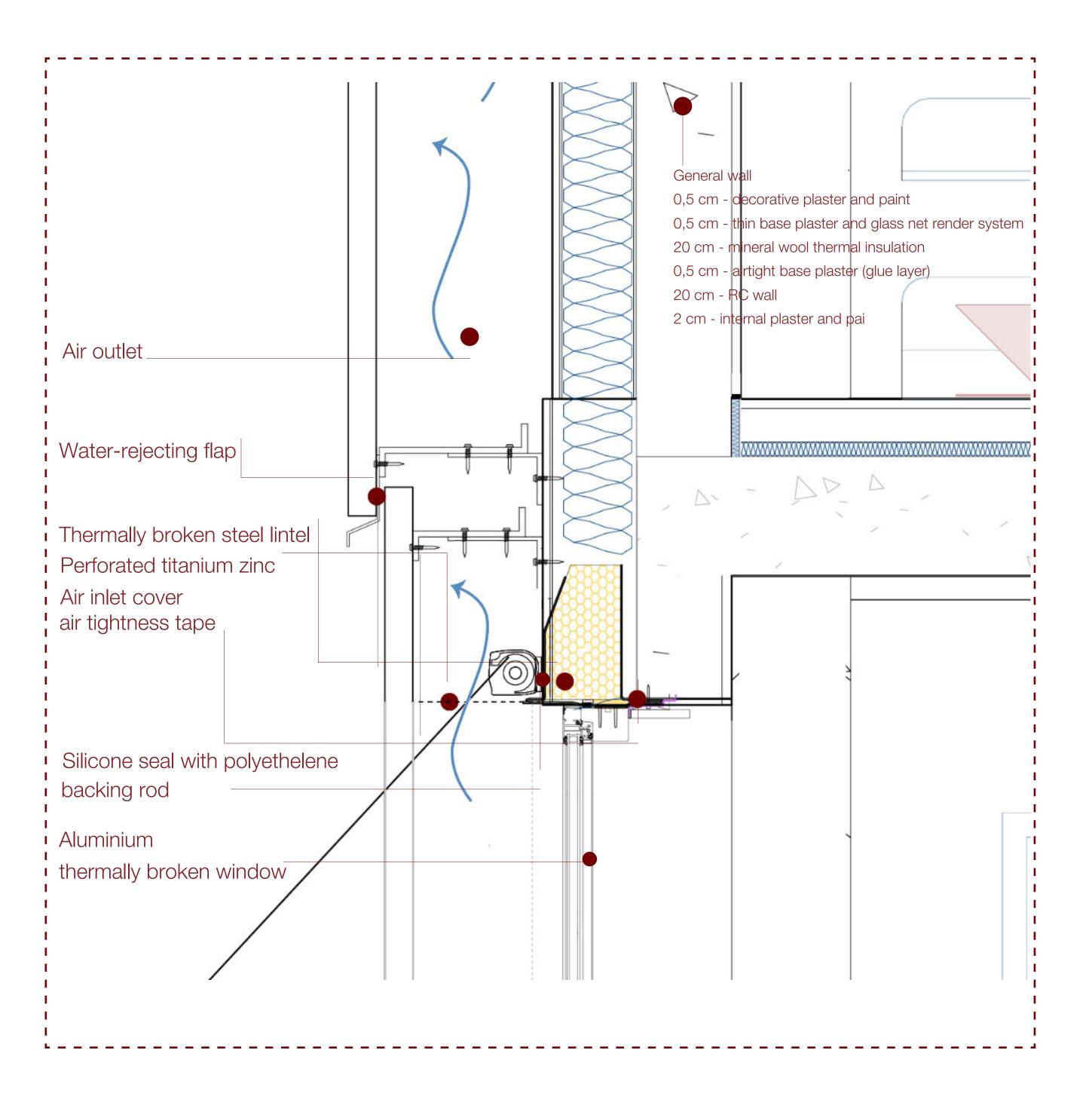
D1: Foundation, besides neighboring building



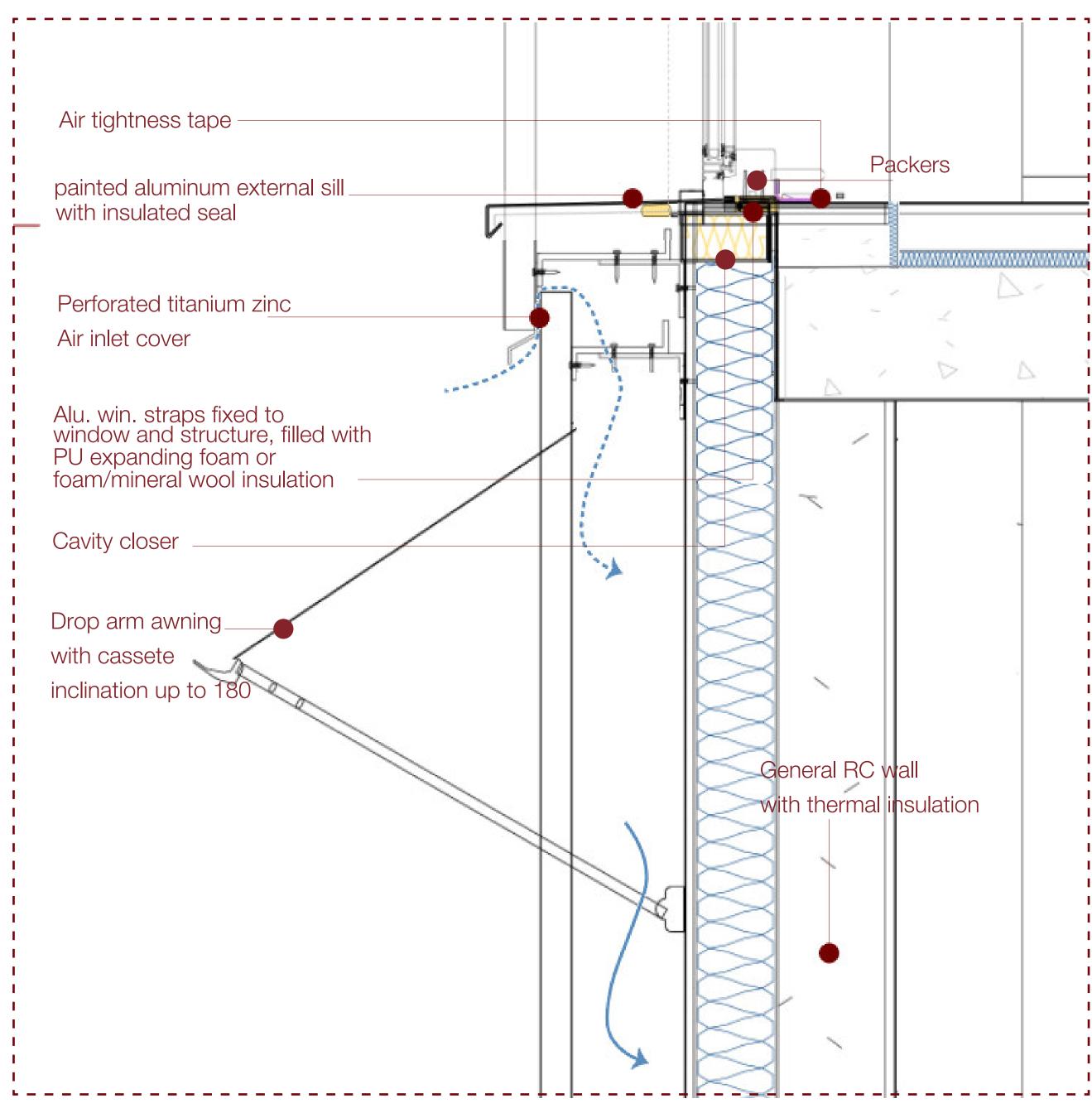
D2: Foundation, general

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D3: Window top + Cladding detail



D4: Window sill + Cladding detail

↓ Basement

Urban Memory Lab

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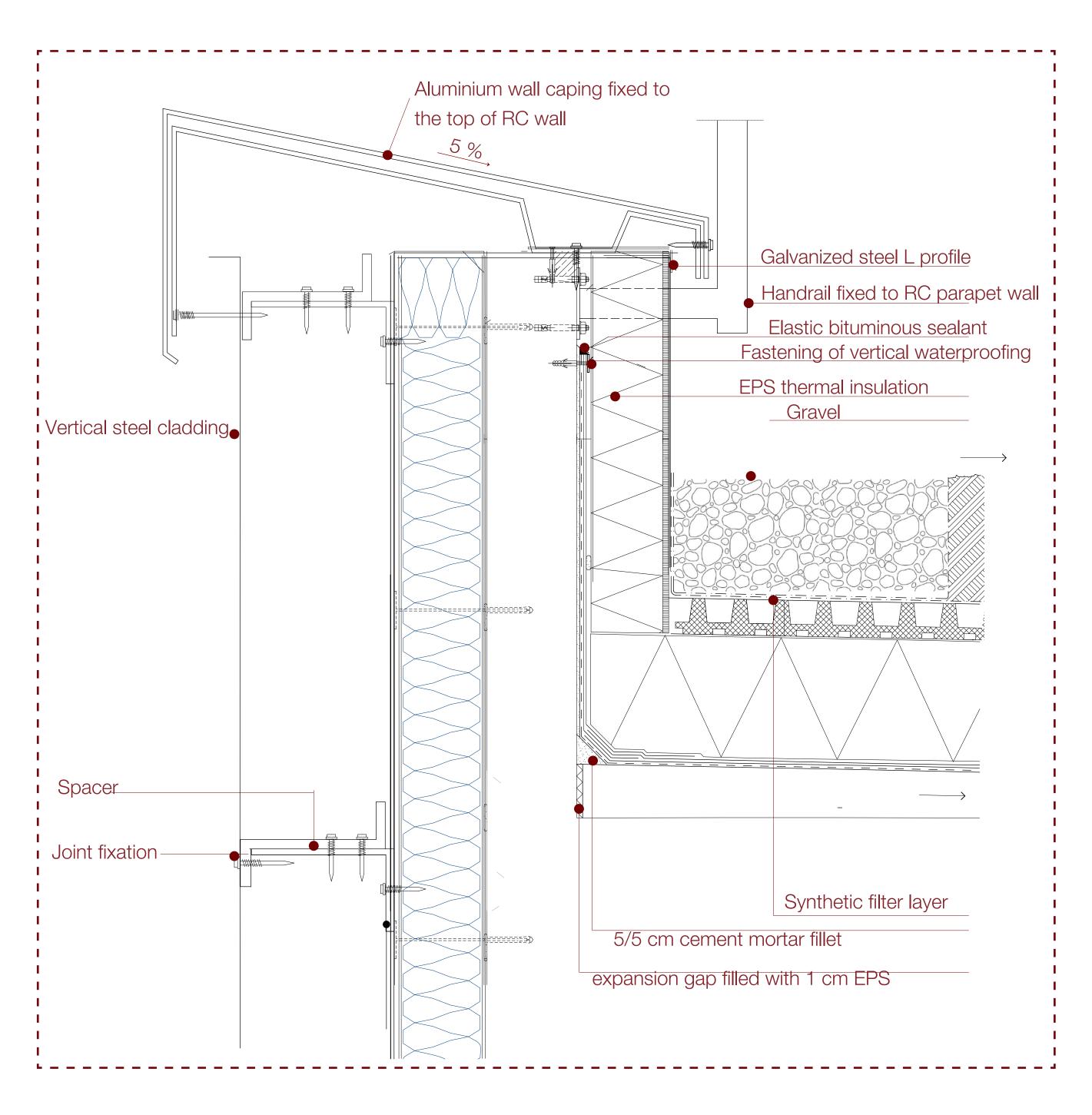
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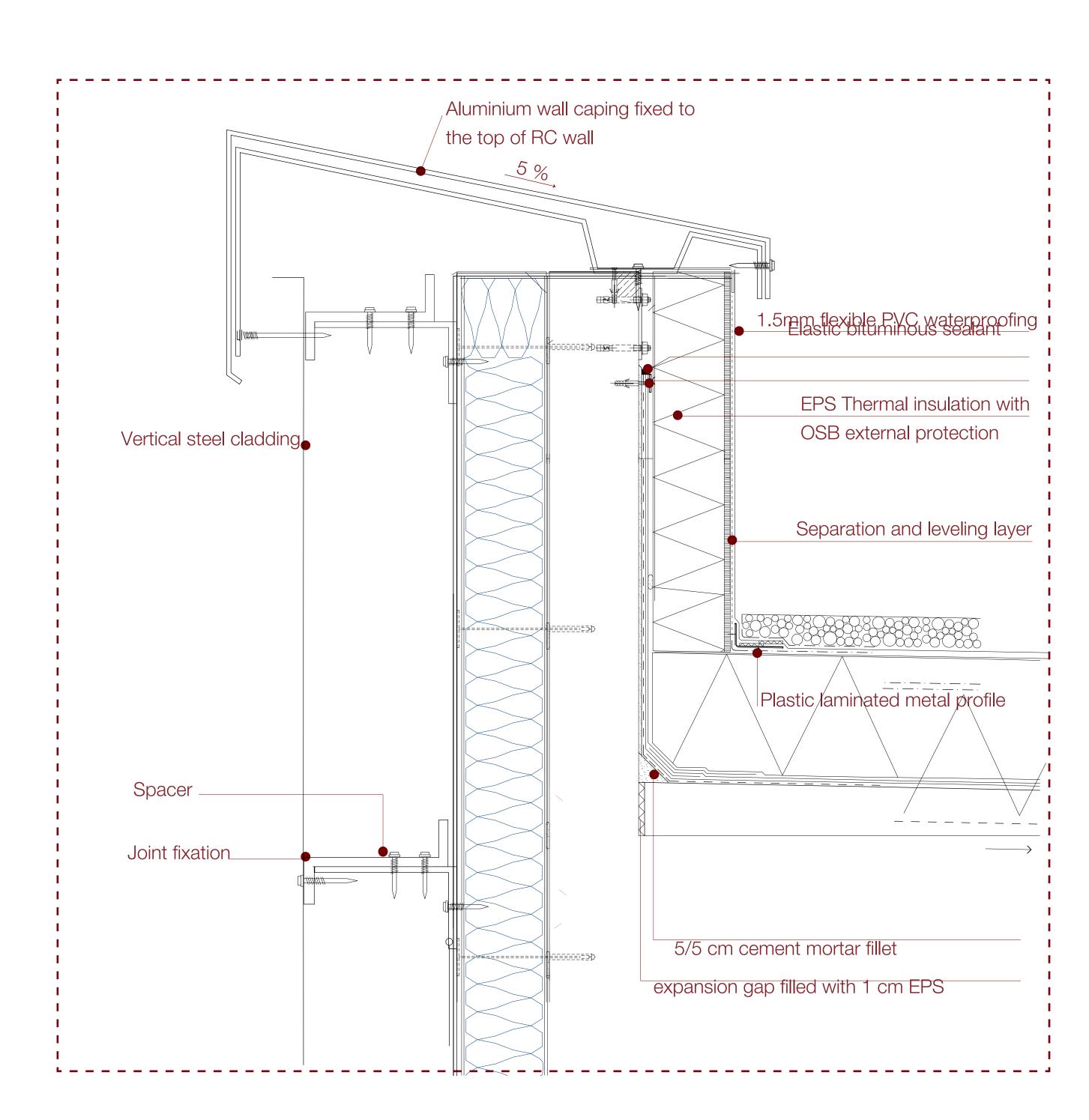
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Detail drawings



D5: Green Roof Detail



D6: Flat Roof Detail

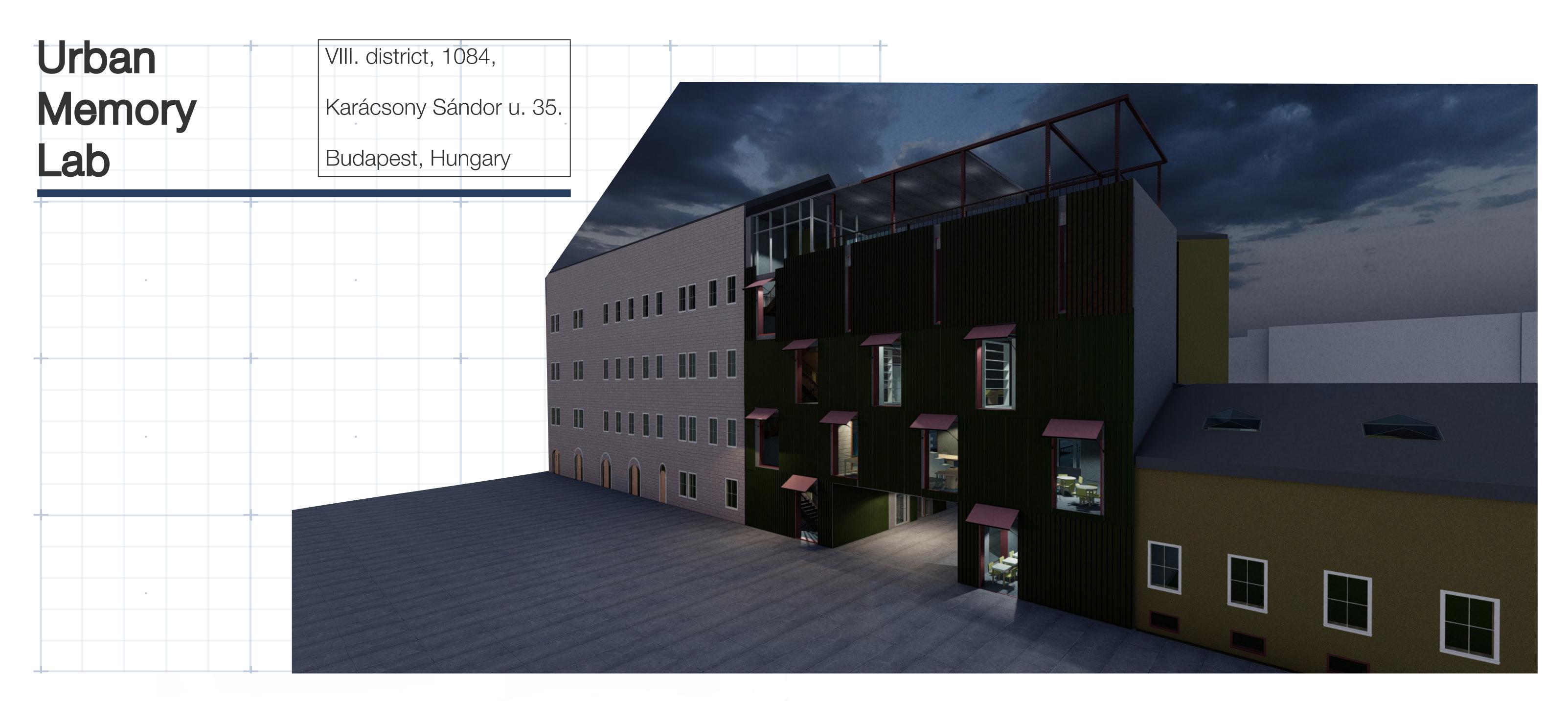


Elevation Scale 1:100



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SECTION ELEVATION
SCALE 1:20

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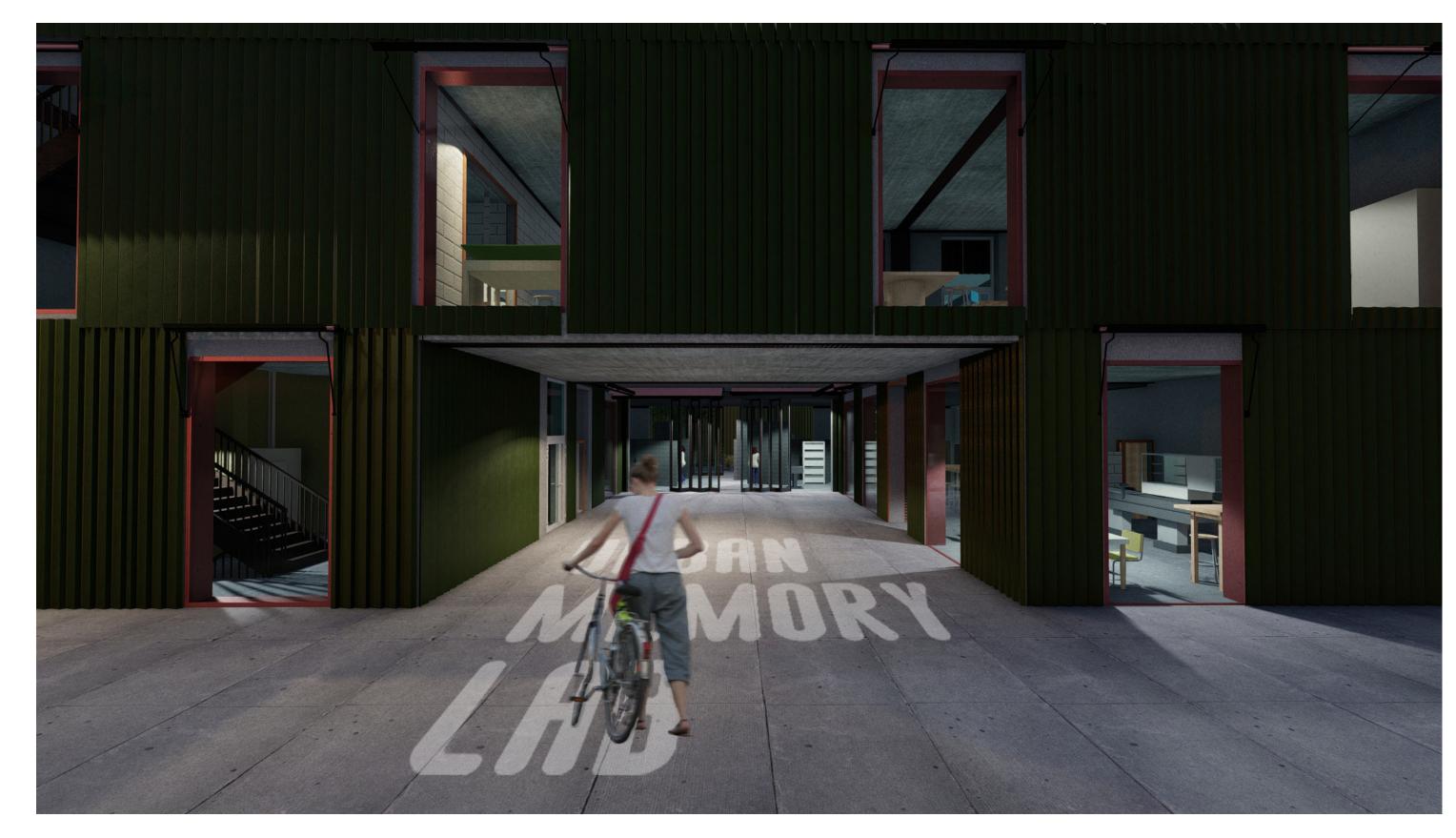
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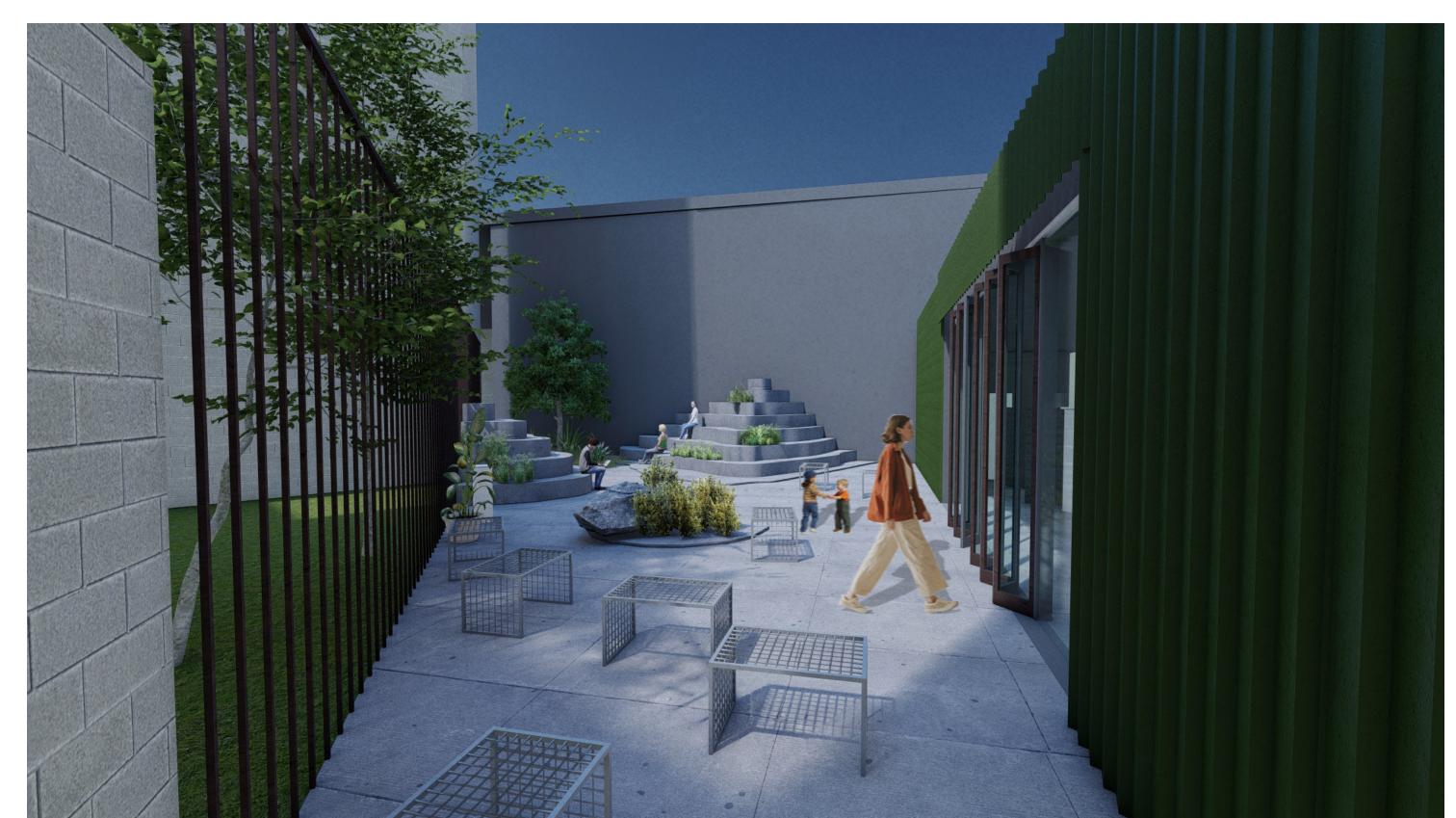
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Site plans & Visuals











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