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PORTFOLIO



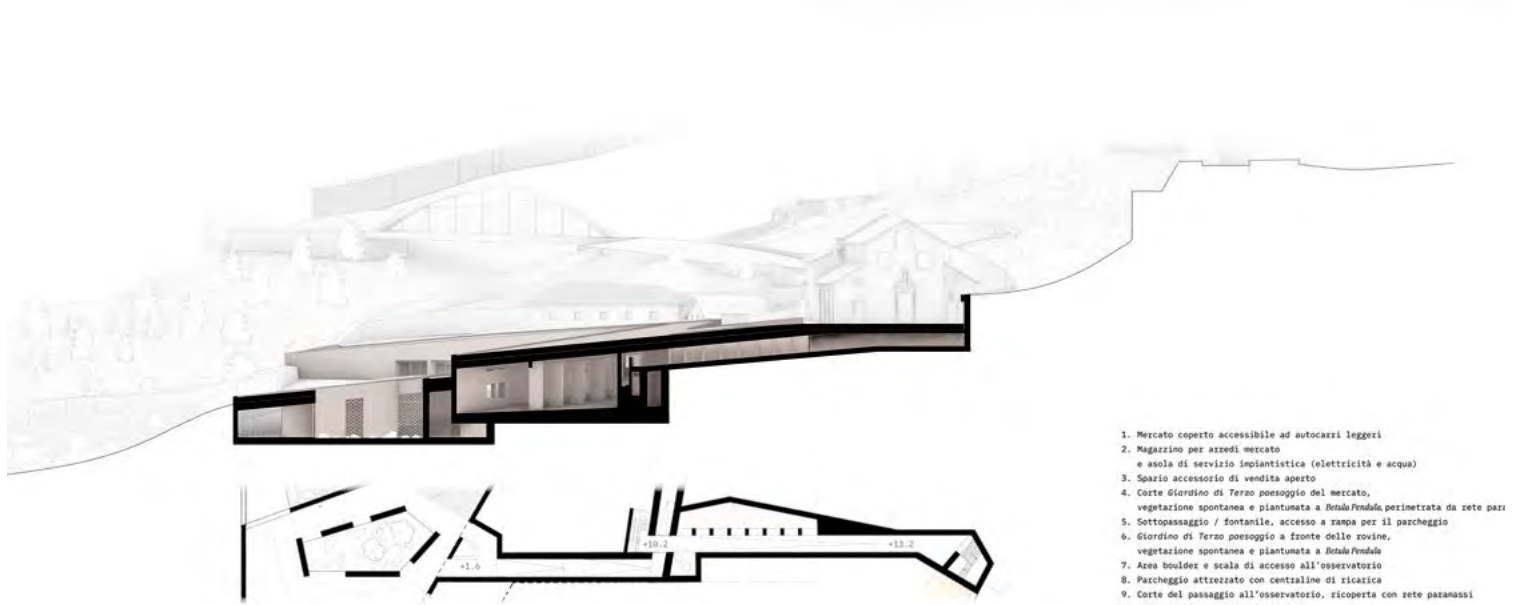
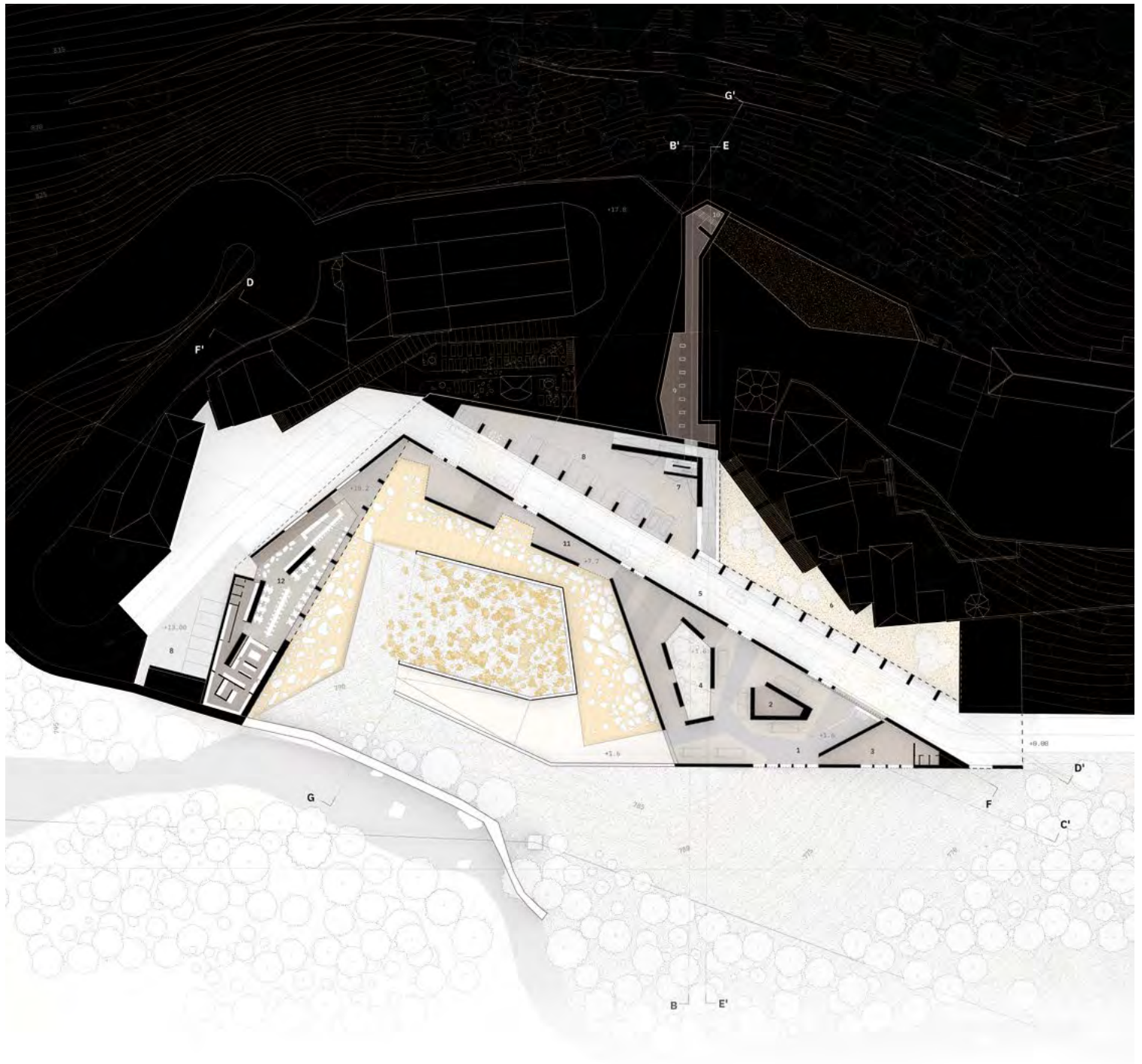
The Necessary Architecture

Hydrogeological Risk and Infrastructure in the Spluga Valley. Methods, strategies and projects for securing and regenerating a specific mountain territory.



The first project is part of the SS36 state road nearby the Gallivaggio Sanctuary, dating back to the 15th century, today in a state of complete devastation after repeated landslides. The urgency to protect the fundamental stretch of road through an artificial gallery, becomes an opportunity to create new spaces for contemporary

travellers and reinterpret the third landscape between nature and ruins, crossed by infrastructure. The monolithic roofed architecture is divided in to three main bodies (a market, a parking lot with a climbing wall and observation point, a restaurant) connected together by means of stairs, ramps and tunnels.



1. Mercato coperto accessibile ad autocarri leggeri
2. Magazzino per arredi mercato e asola di servizio impiantistica (elettricità e acqua)
3. Spazio accessorio di vendita aperto
4. Corte giurino di Terzo possogio del mercato, vegetazione spontanea e piantumata a *Betula pendula*, perimetrata da rete pari
5. Sottopassaggio / fontanelle, accesso a rampa per il parcheggio
6. Giardino di Terzo possogio a fronte delle rovine, vegetazione spontanea e piantumata a *Betula pendula*
7. Area boulder e scala di accesso all'osservatorio
8. Parcheggio attrezzato con centraline di ricarica
9. Corte del passaggio all'osservatorio, ricoperta con rete paranzassi
10. Osservatorio ipogeo delle rovine
11. Passaggio di osservazione tra mercato e punto ristoro





The second project is set on a huge expanse of rocks, threatening traffic and two villages. A wall is made at the most looming and sublime point. After a broken direction, the path continues through a narrow covered passage, and then reopens in a trapezoidal room, oriented towards the ruins of Gallivaggio. Wide nets with intertwined rings hang embedded into the inclined reinforced concrete wall. A continuous seat marks the lower side of the wall and the flooring is thrown irregularly around the huge boulders. The project hybridizes two solutions for the containment of danger and tries to dare a poetics through an architecture that aspires to the Sacred.





The third project develops along a curve, after the village of Cimaganda, which owes its name to the paleo-landslide that characterizes the surrounding wild landscape. The new mass fall cut off all communication with the valley and subsequently arranged with an embankment. The new retaining concrete walls host a small cycle-workshop do-it-yourself and a fountain, which acts as an entrance door and link to the path to Avero.

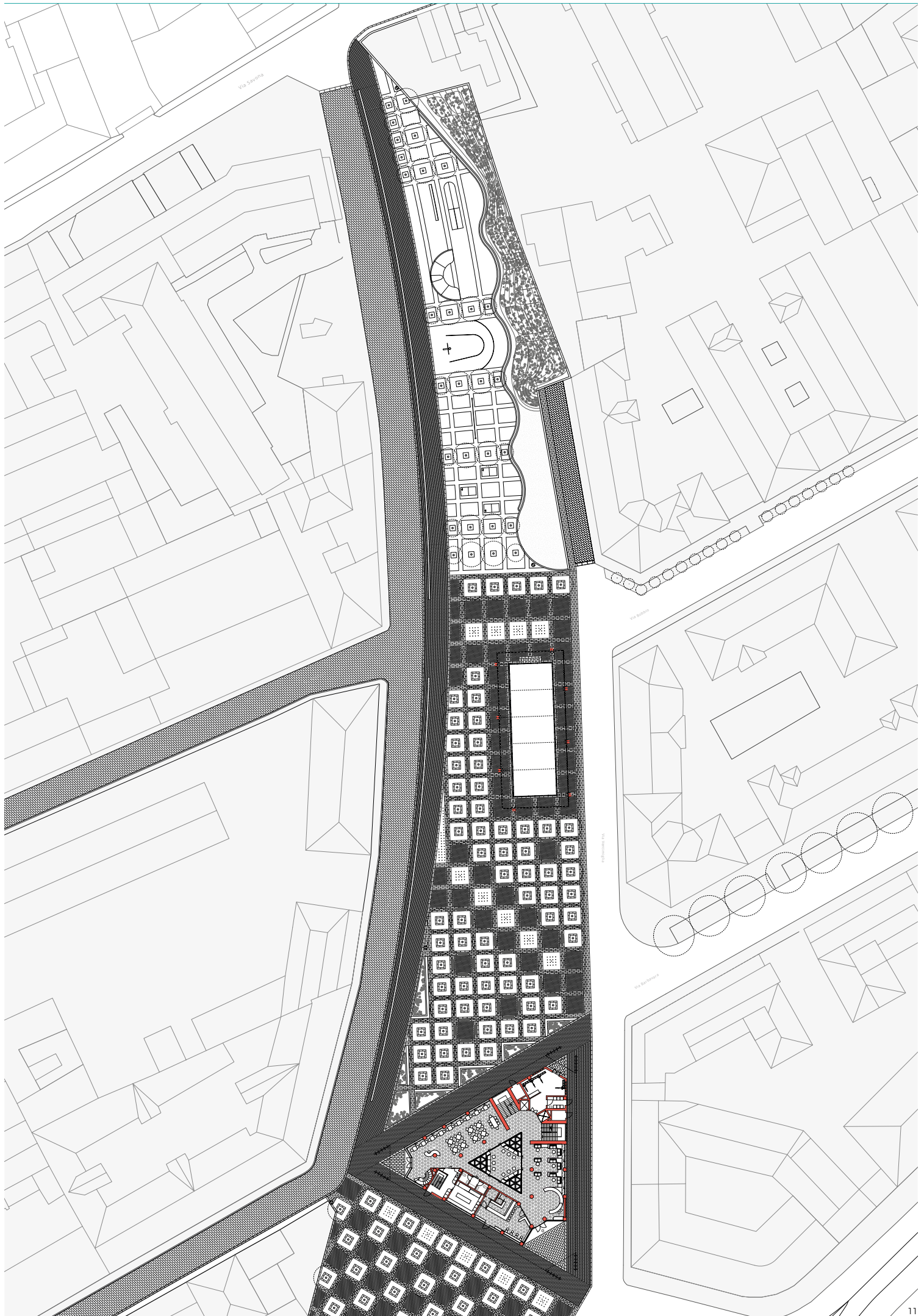


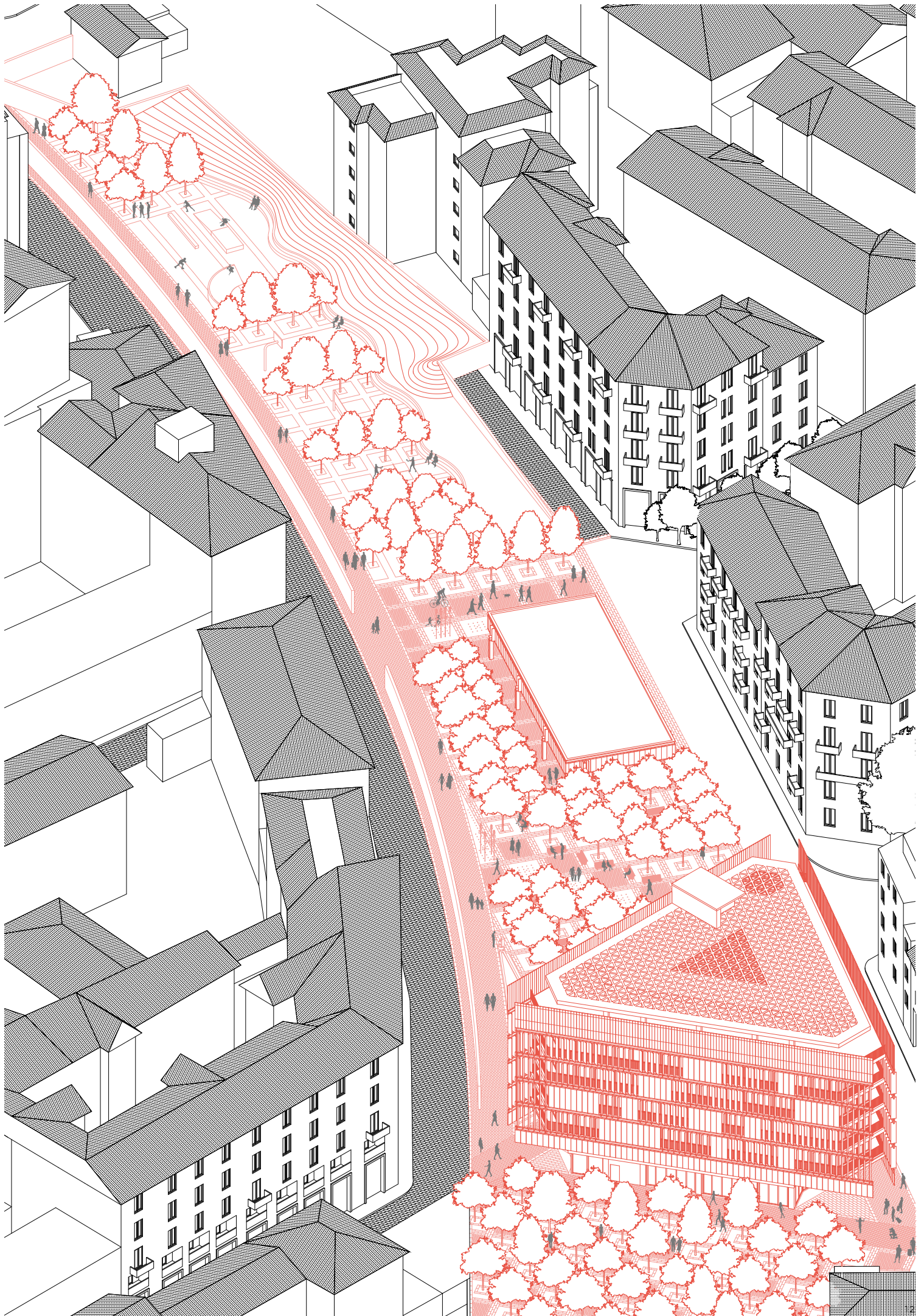


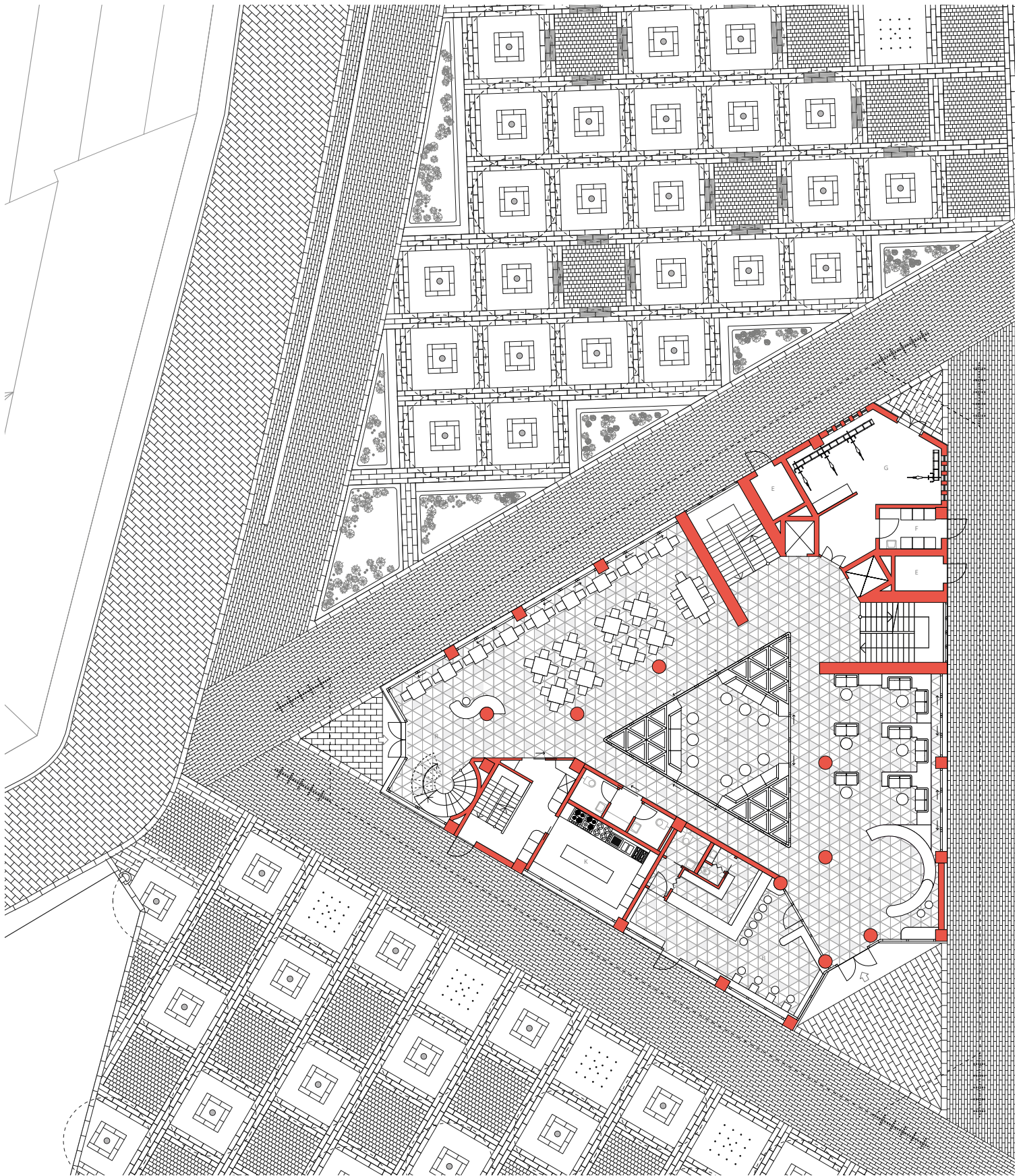
A 240 page book explains the research work that supported the whole design process: landslides data analysis, mapping, photographic surveys, historical research about the valley and the already existing mitigating structures, contemporary protection techniques and typological analysis, rock-falling behaviours, architectural references and the evolution of Western Thought towards the image of the Mountain.

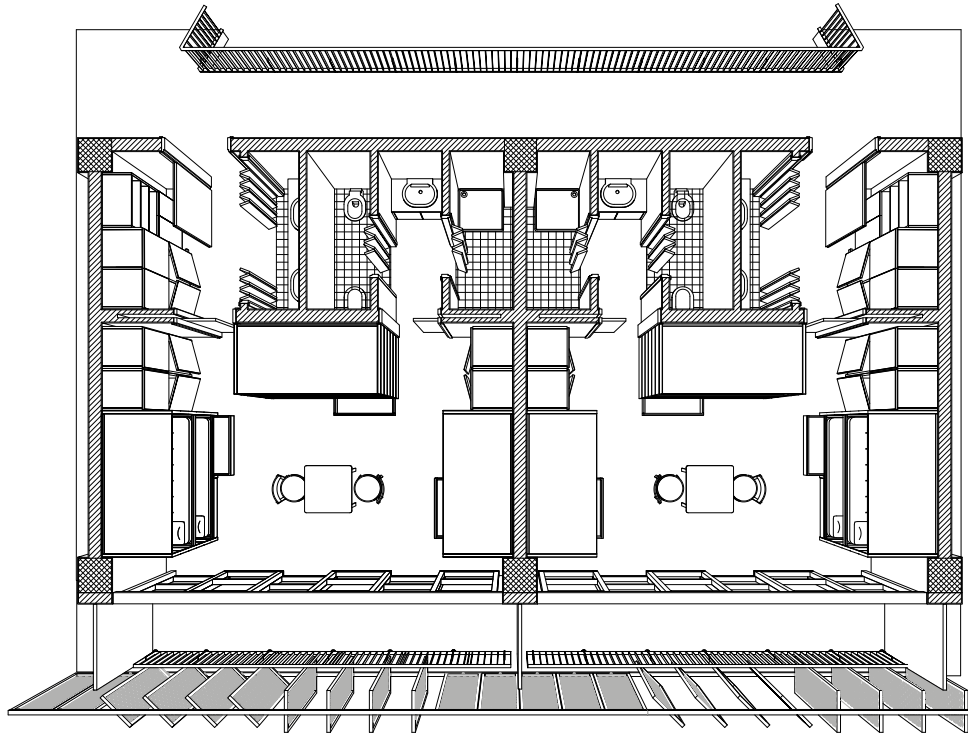


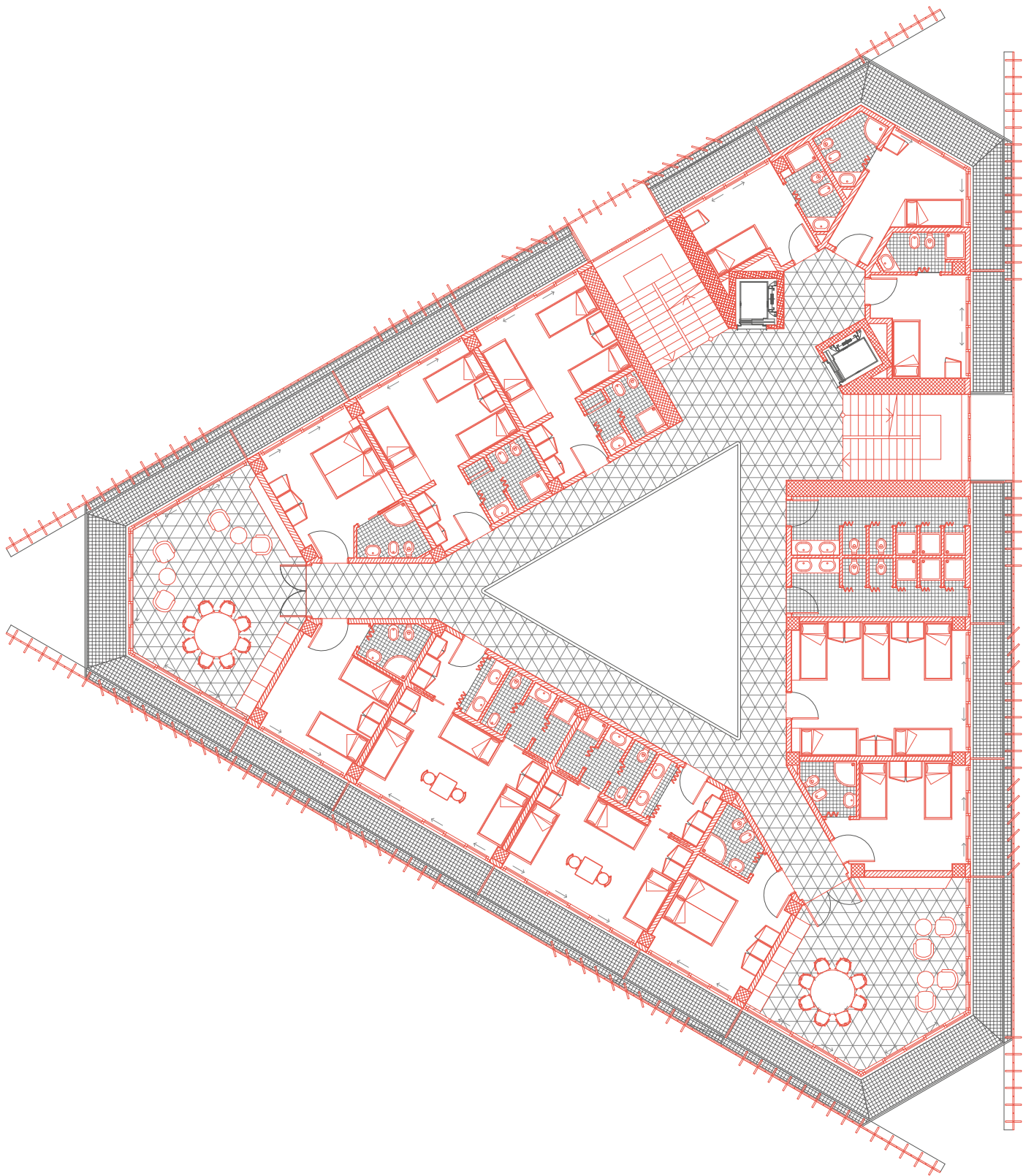
New hostel for Porta Genova
Milan

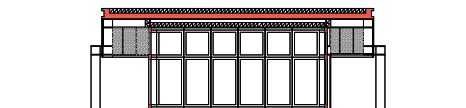
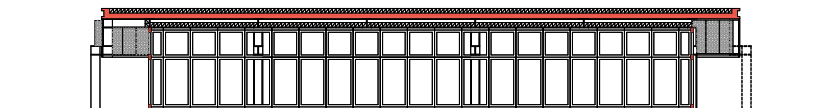
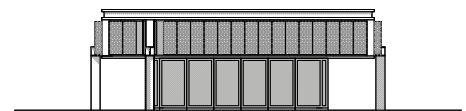
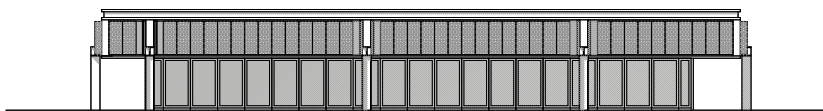
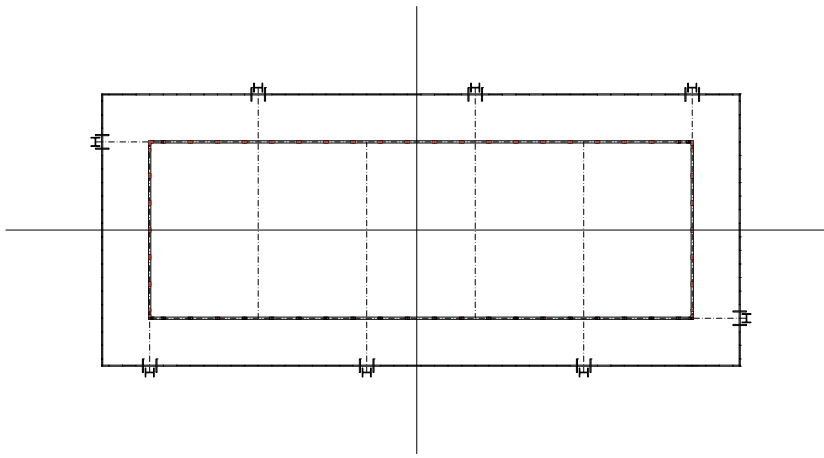
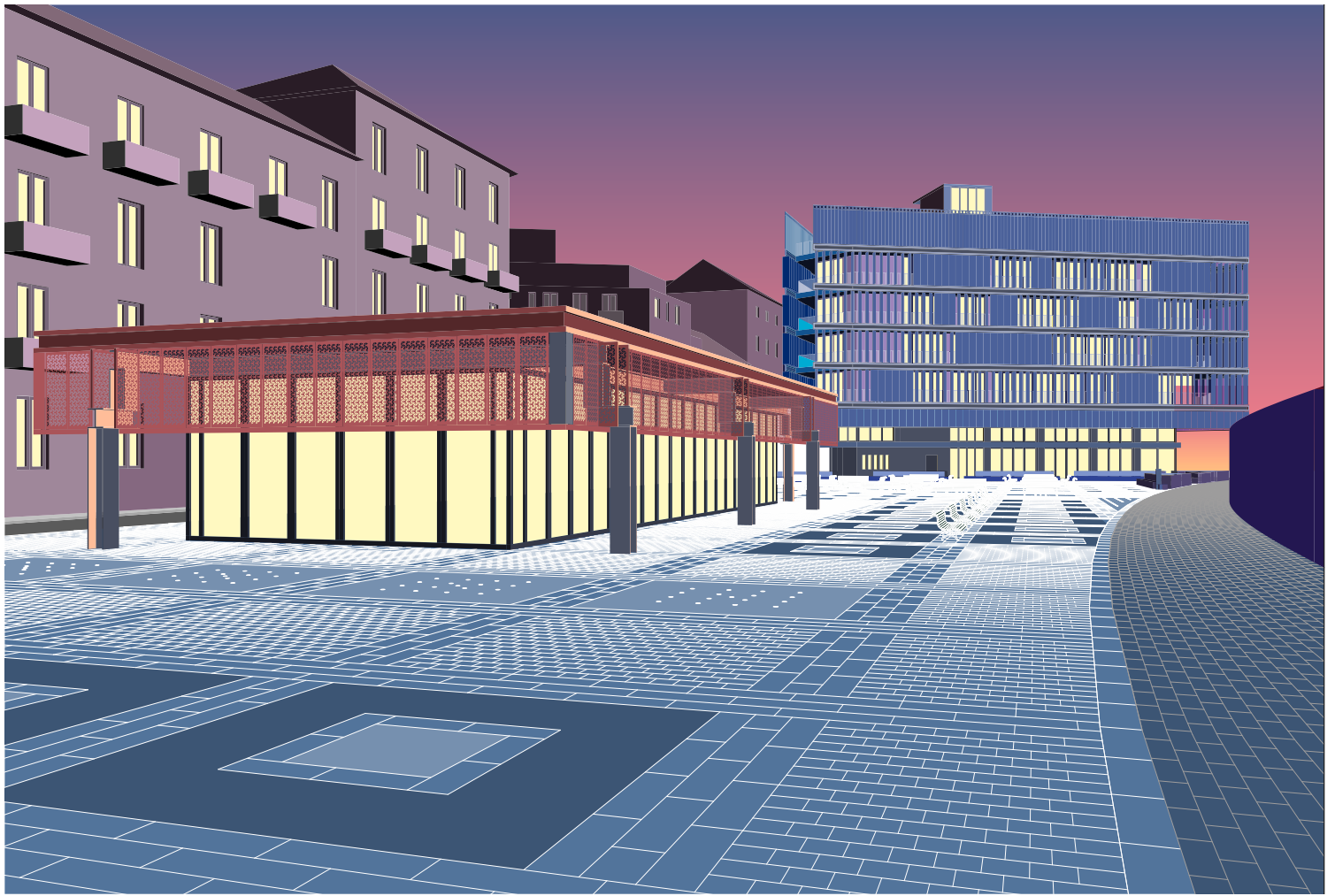


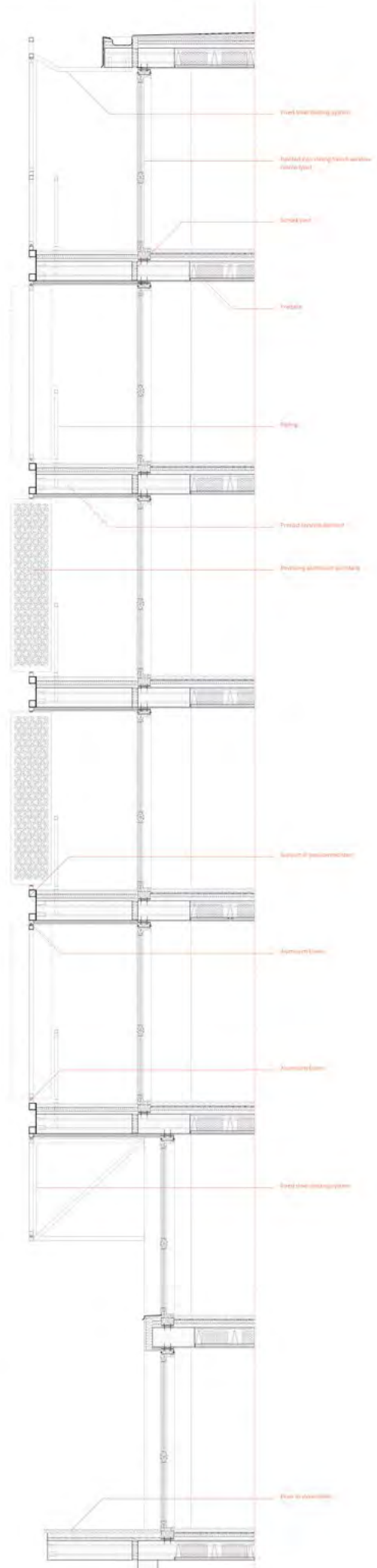
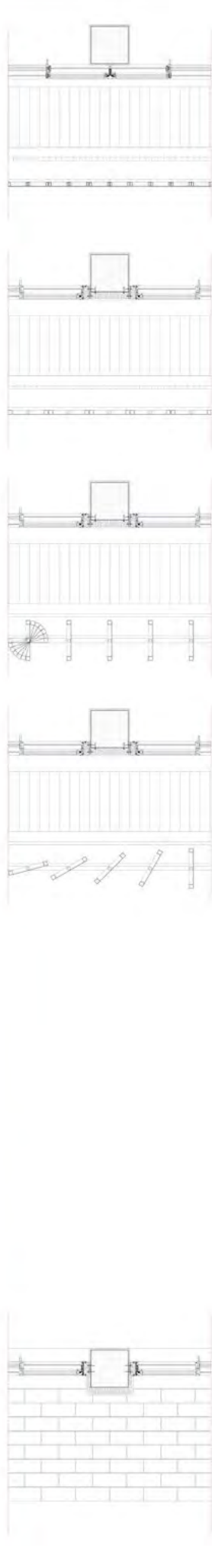








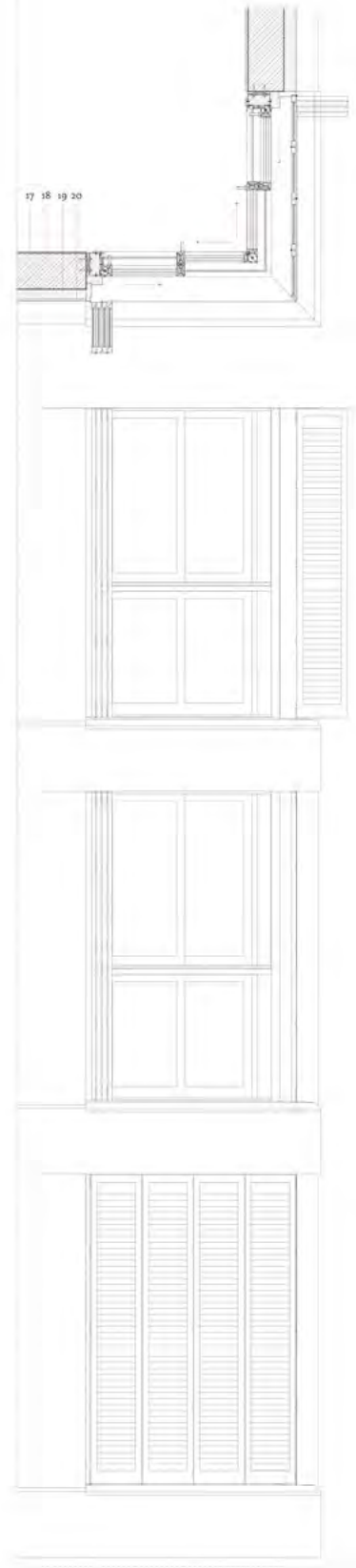
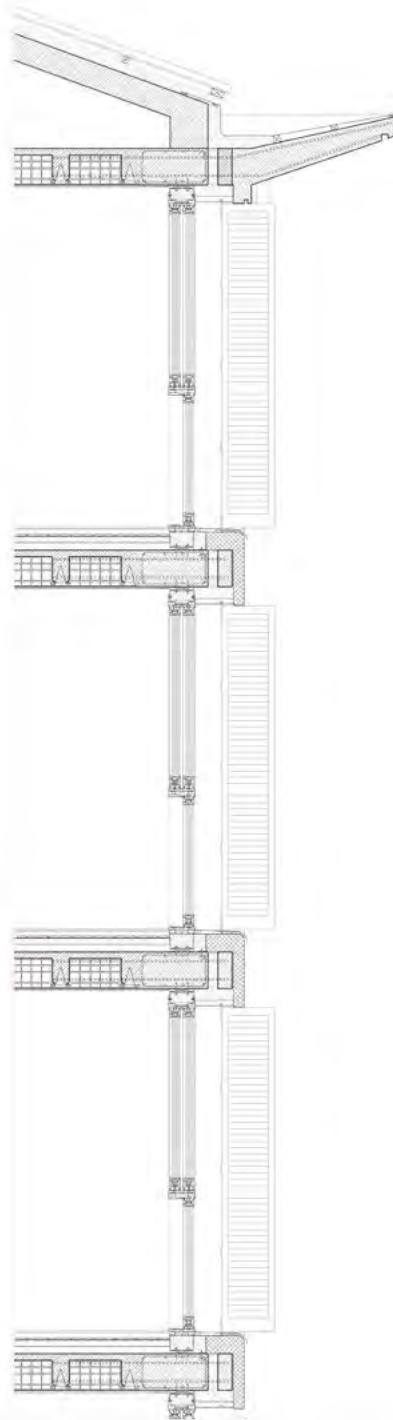
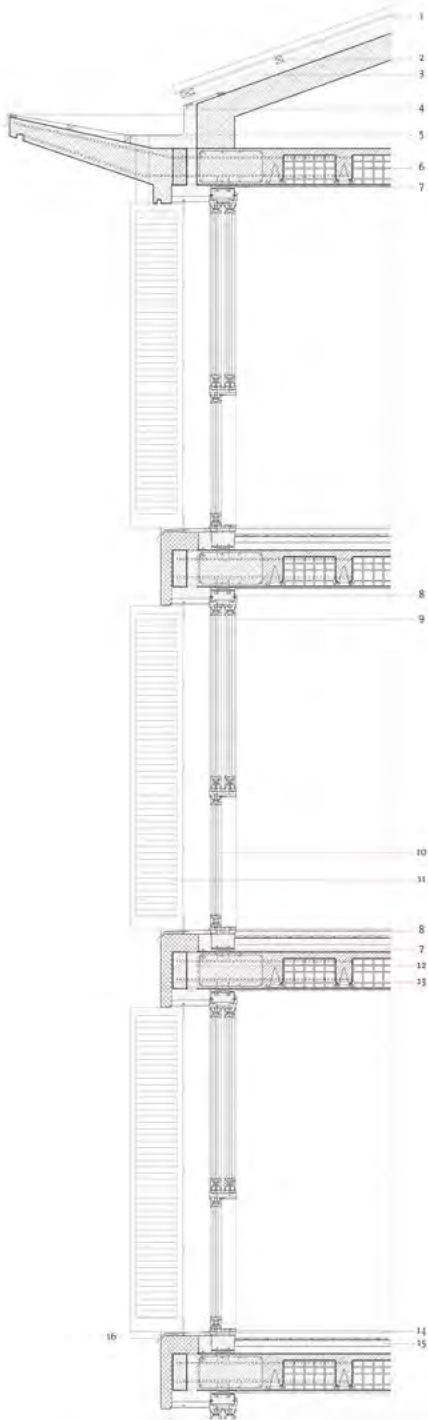






Students' apartments
in Corso di Porta Vigentina
Milan





- 1 Lamiera grecata Rheinzink
- 2 Travetti in legno 50mm x 50 mm
- 3 Isolamento termico
- 4 Canale e lattenoria in Rheinzink
- 5 Gronda in cemento armato a vista
- 6 Solaio in latero cemento 24x5 cm
- 7 Elemento distanziatore isolante

- 8 Controtelaio in profilati a "U" e a "L"
- 9 Serramento in acciaio verniciato, modello tipo Secco, profili EB 85 AS (alzante scorrevole)
- 10 Sottofinestra fisso in acciaio verniciato, modello tipo Secco, profili EB 85
- 11 Persiana pacchetto scorrevole in alluminio, tipo Shucko

- 12 Giunto shock
- 13 Elemento marcapiano prefabbricato in calcestruzzo alleggerito
- 14 In sequenza:
 - pavimento in grés porcellanato
 - massetto livellante con rete elettrosaldata
 - pannelli radianti in tubi in PEX/Al
 - guaina isolante

- 15 In sequenza:
 - isolamento termico e acustico
 - massetto per impianti in cis alleggerito con funzione di isolamento
- 16 Davanzale / scossalina in Rheinzink con guida per persiane scorrevoli

- 17 Intonaco 1,5 cm
- 18 Tamponamento in Gasbeton
- 19 Isolamento termico
- 20 Rete e intonaco rustico fine

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