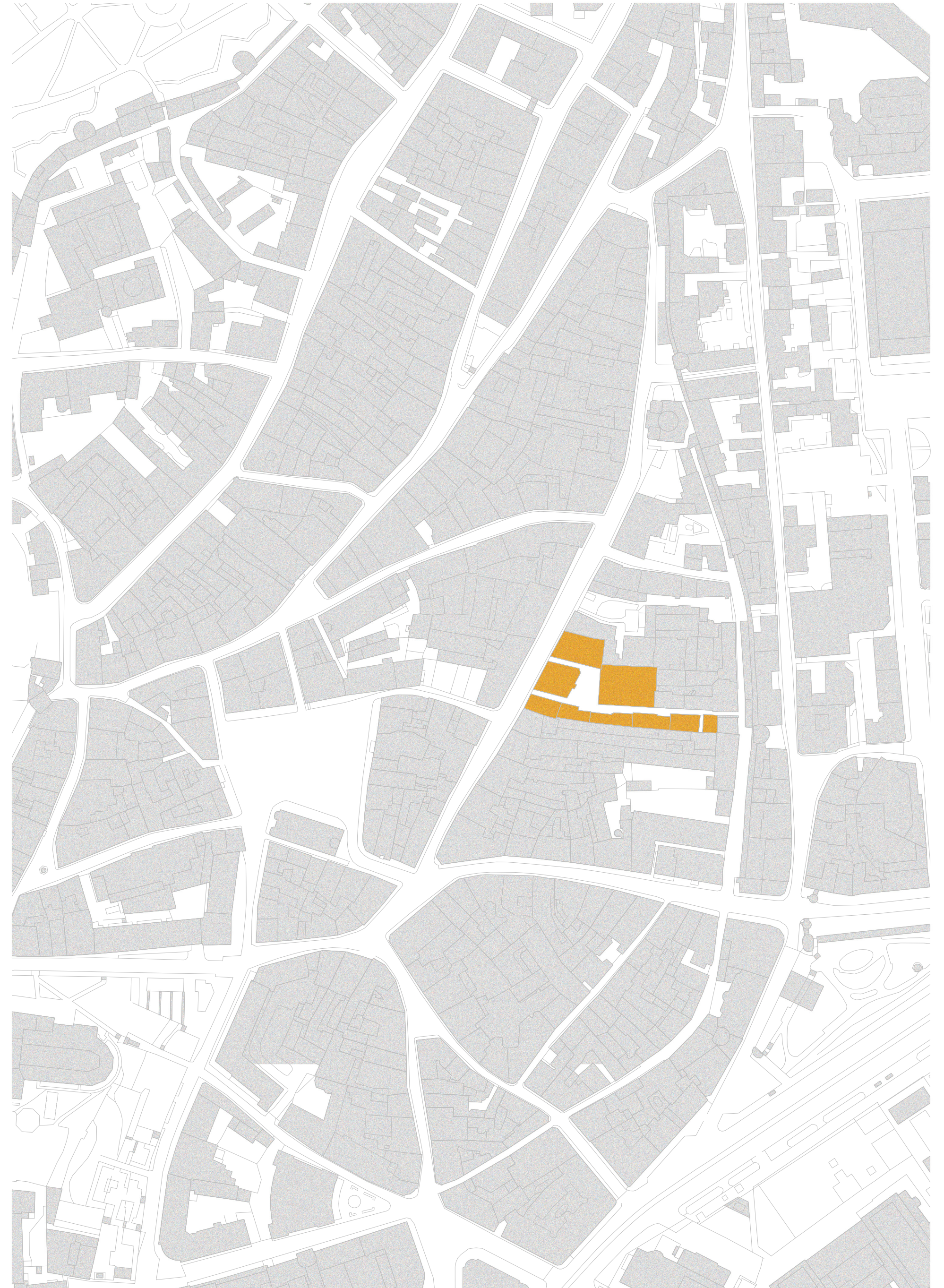




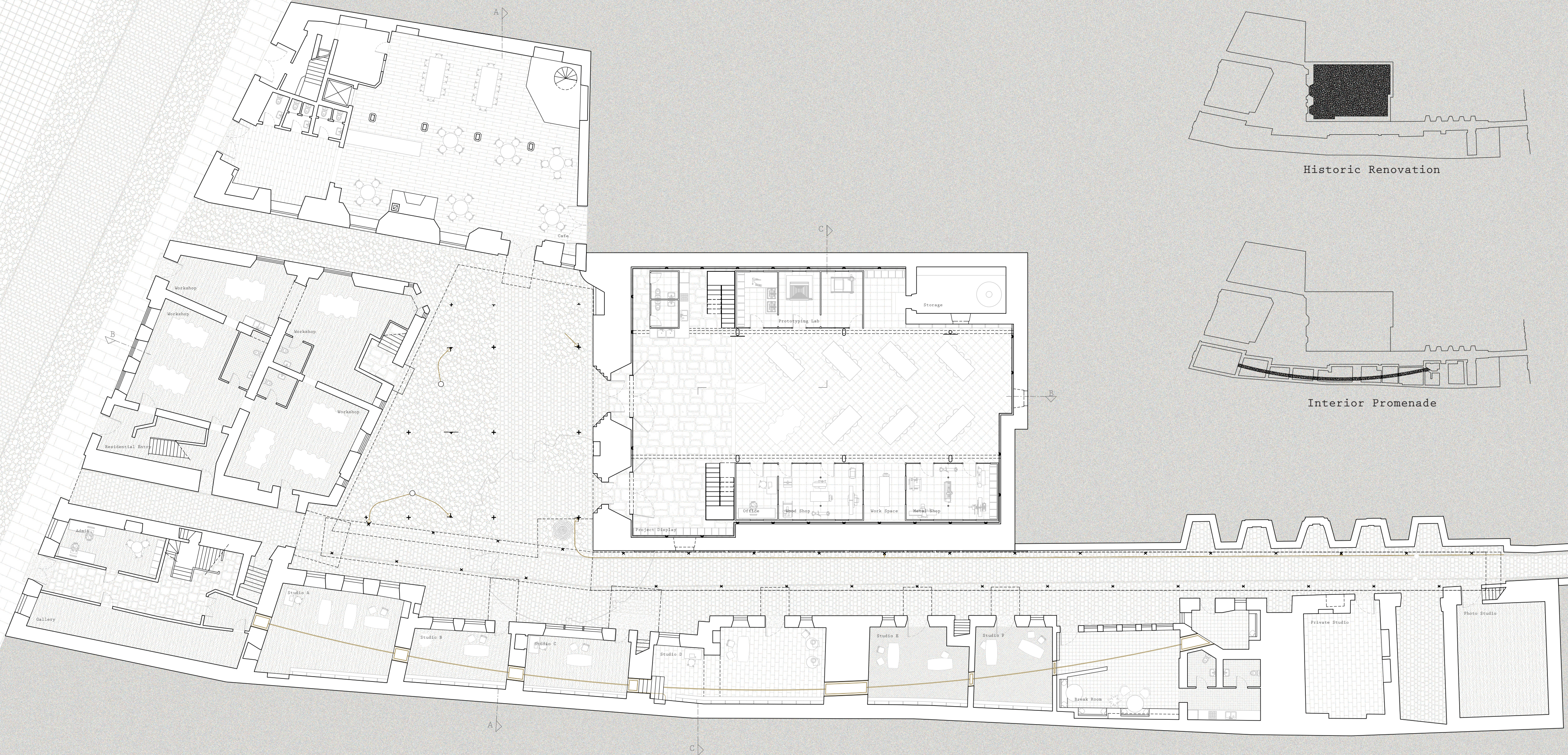
CRAFTING TALLINN

The goal of this project is to join maker and artisan communities in one place. This location acts as a craftsmanship hub, catering to both artisans who sell their designs, and makers who share their knowledge with the community. Combining these two types of users stems from the idea that they can work as a complimentary unit. The artisans provide a sense of inspiration, demonstrating the beauty that can come from handcraft skills. While the makers provide the knowledge and expertise behind how things are crafted. The value of creating this kind of community is to nurture an environment of knowledge exchange and co-creation. Both program types act as nodes of inspiration for the local community to engage with skillful designers and traditional masters. Furthermore, they help remind people of the value of the handmade, and the beauty that can result from it.

The goal of the project is to be a celebration of craftsmanship in every aspect. The program, the design, the detail, and the construction are all meant to be an architecture that reflects the mastery of craft and the ingenuity of makers.



Nestled within the historic buildings of the Katariina Passage, the project comprises three main interventions. First, an exterior canopy that covers the courtyard and passageway, acting as the heart of the project and providing a new public space that is sheltered from the elements. Secondly, renovating the ruins of the Katariina church into a markespace which can be used year round. Lastly, an interior promenade through the Katariina guild that serves as a unifier for the studio spaces.

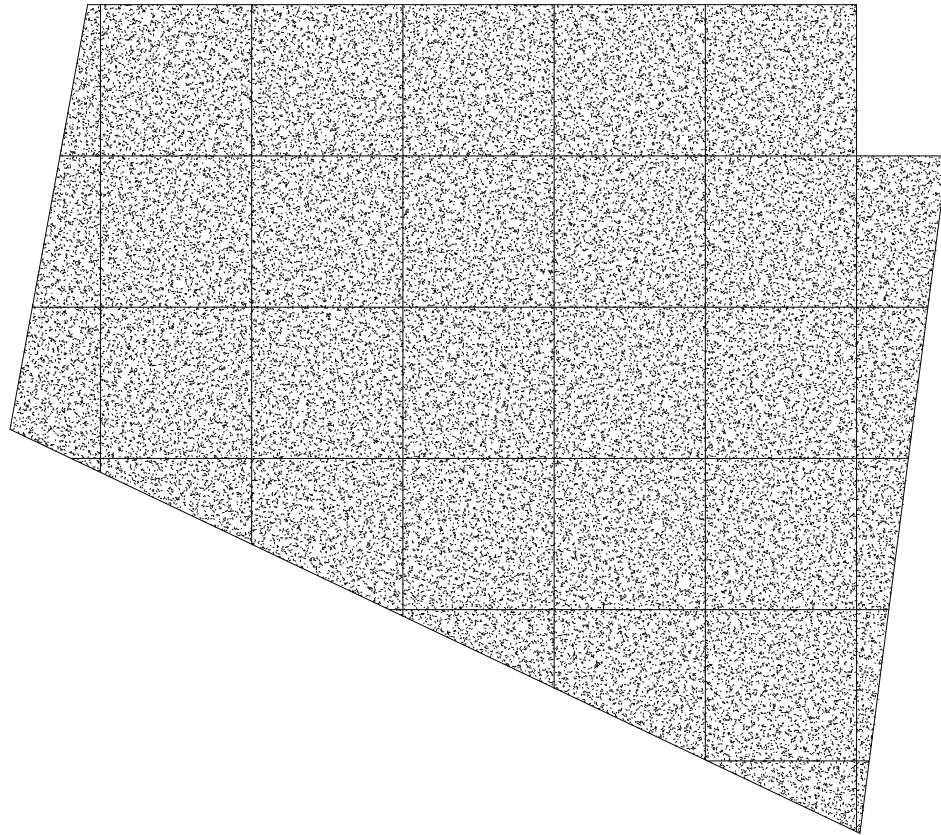


GROUND FLOOR 1:200

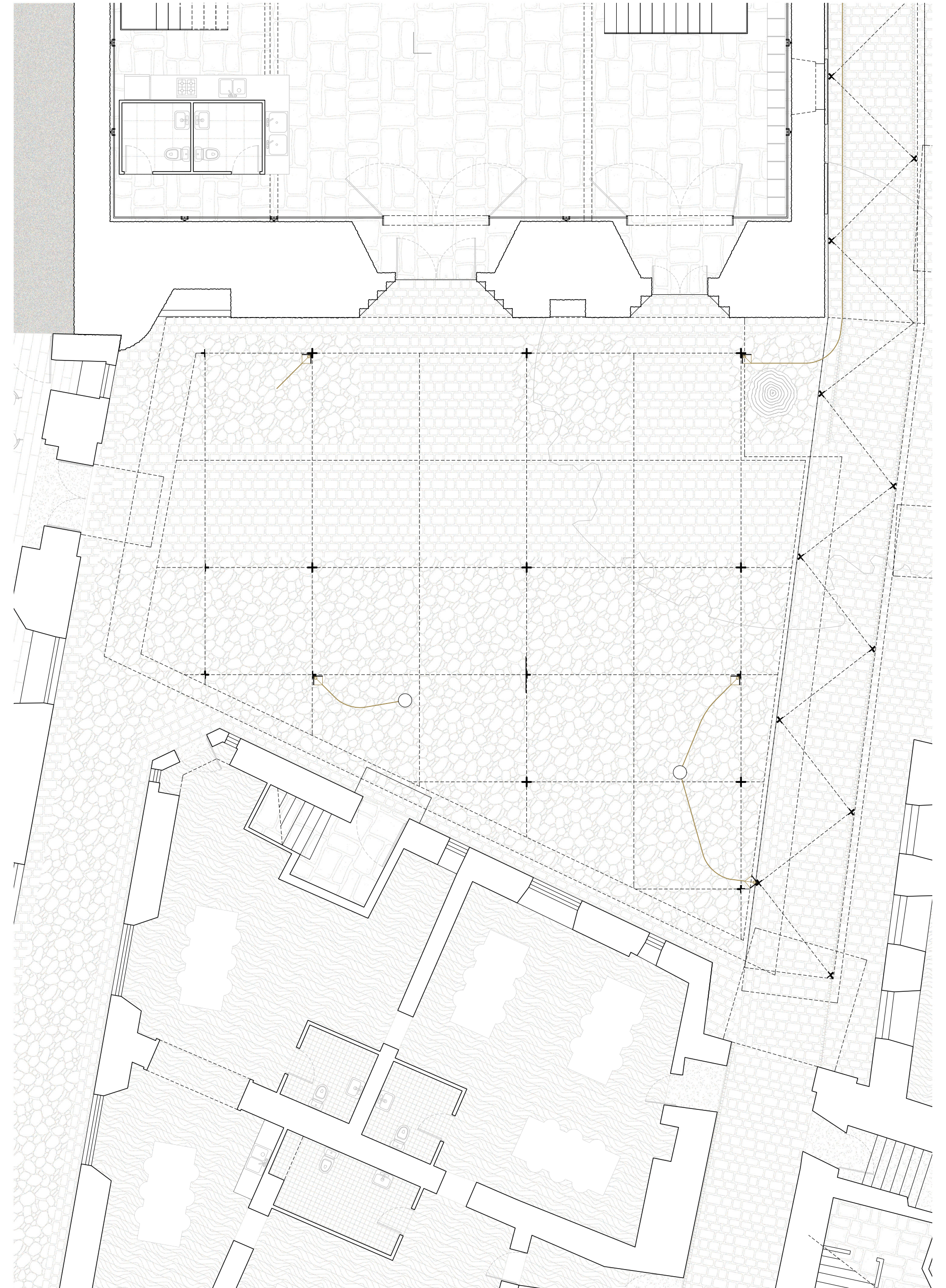




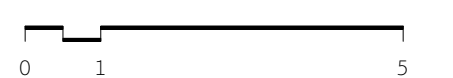
COURTYARD PAVILION

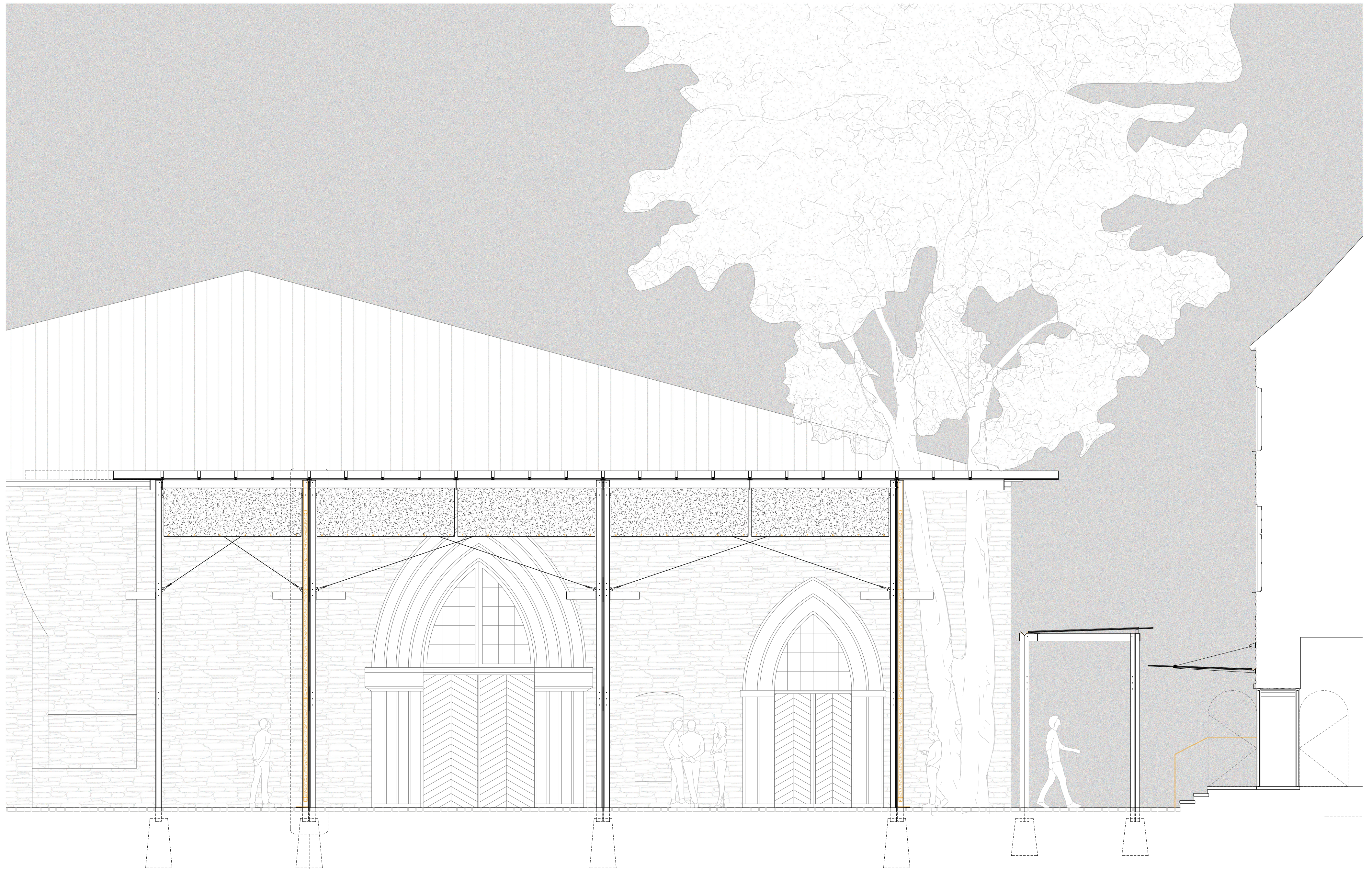


The courtyard pavilion is the heart of the project, providing a new public space in the historic center. Protected from the elements, the pavilion is intended to be used as a breakout space where makers, artisans, and visitors can freely interact. The pavilion is a blackened steel structure with suspended curtains and a glass roof. Rather than just provide shade to the courtyard, the curtains (which are made of a polyester sheer fabric) diffuse light into the space. The curtains can be lowered to provide a more intimate spatial setting for the cafe/biergarten.



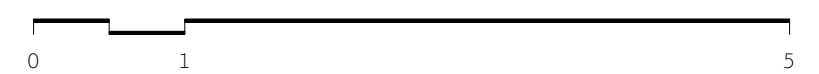
COURTYARD PLAN 1:100

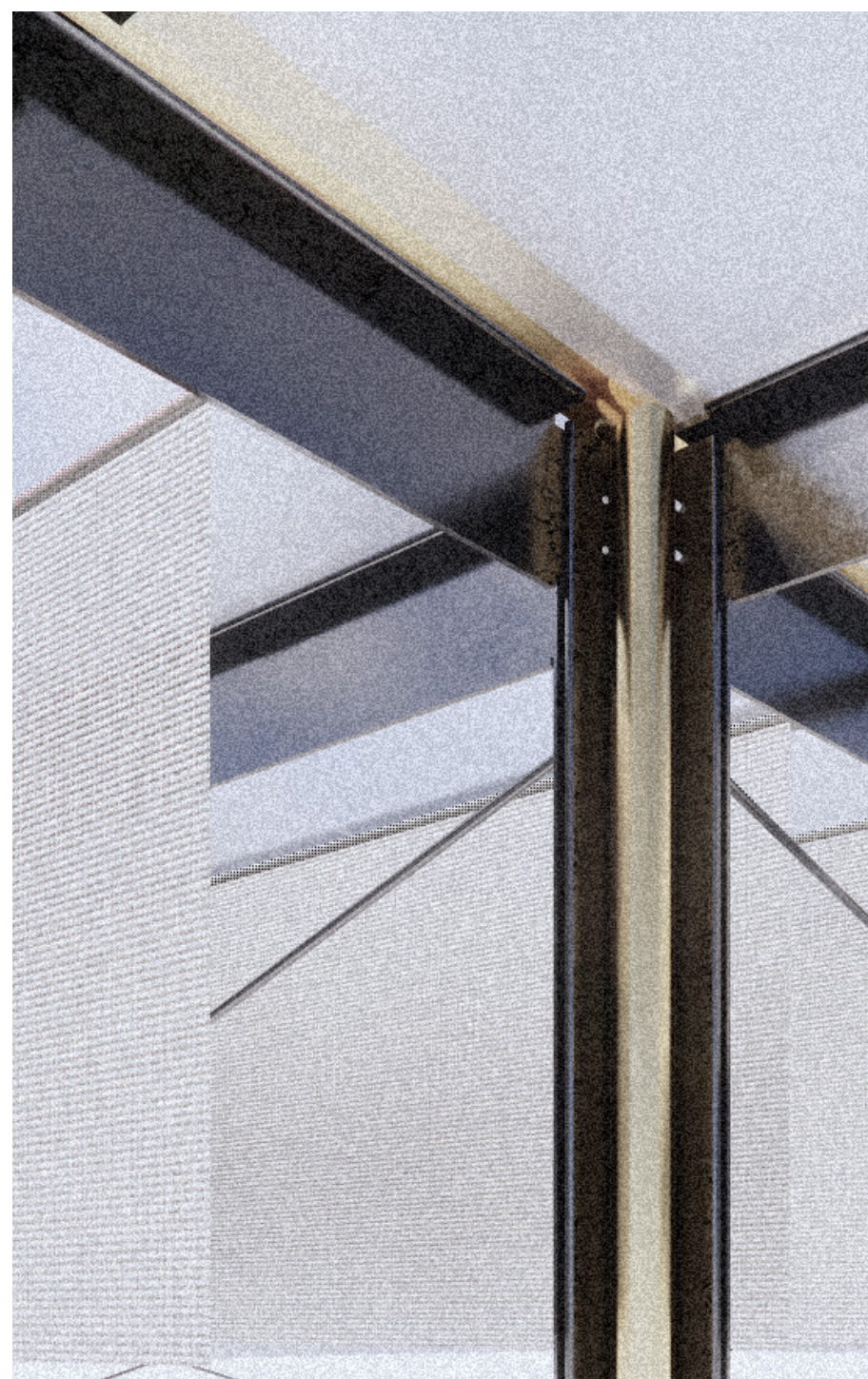
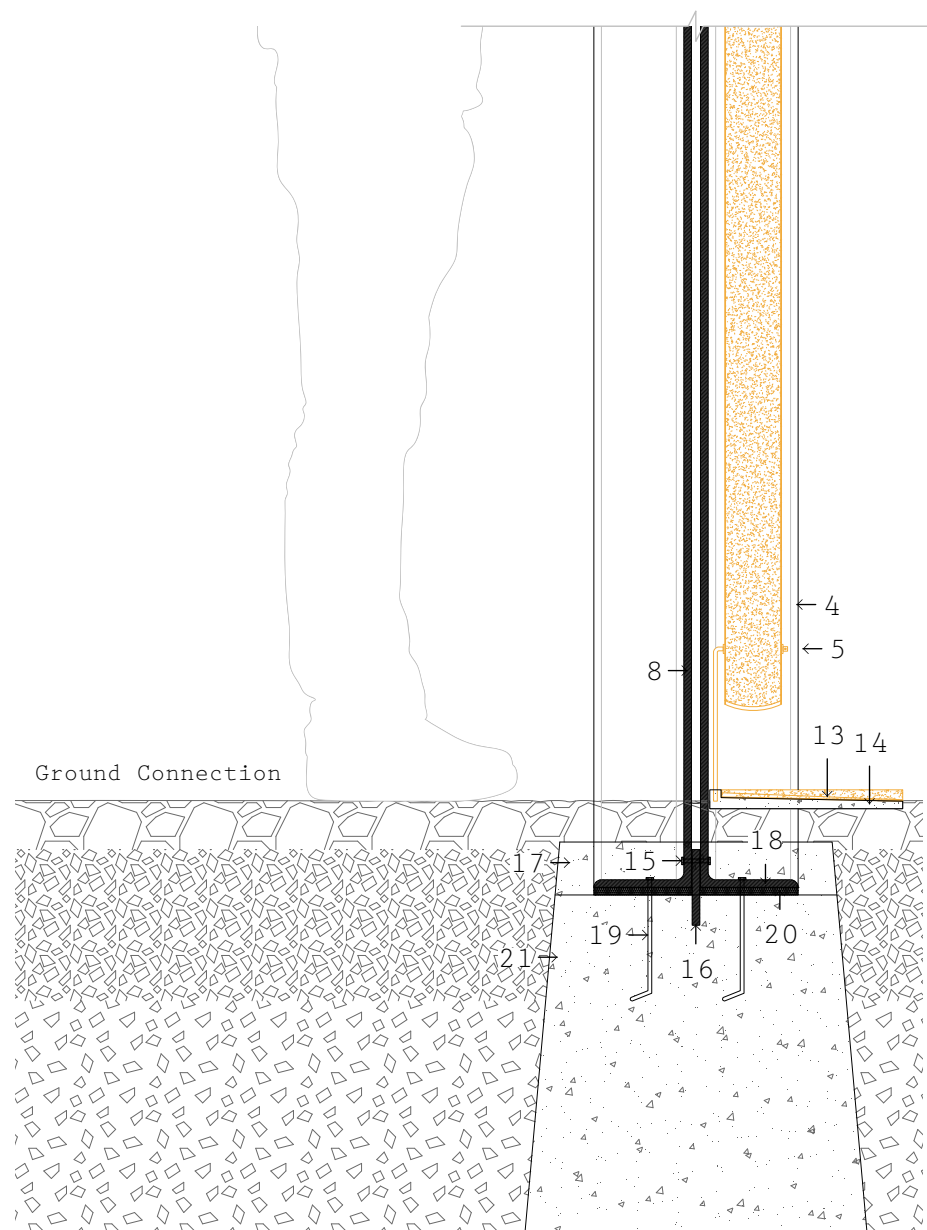
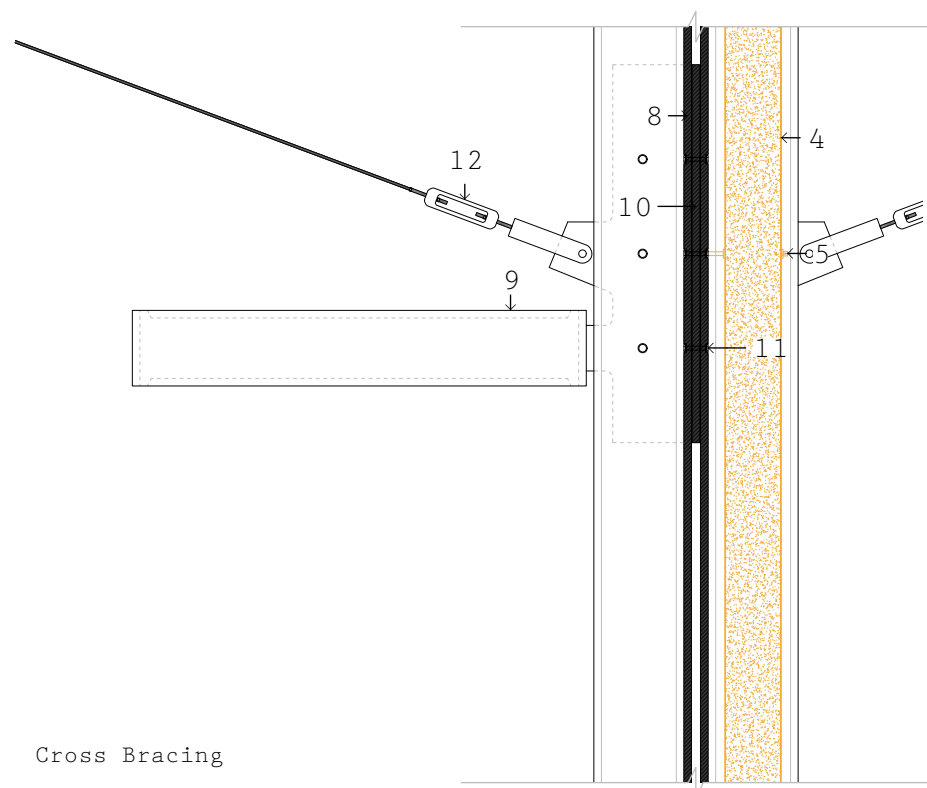
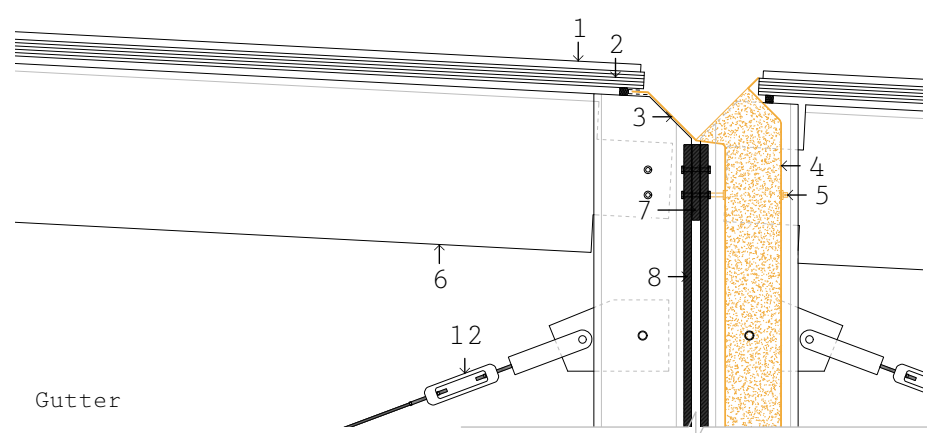




Column Details

SECTION AA 1:50

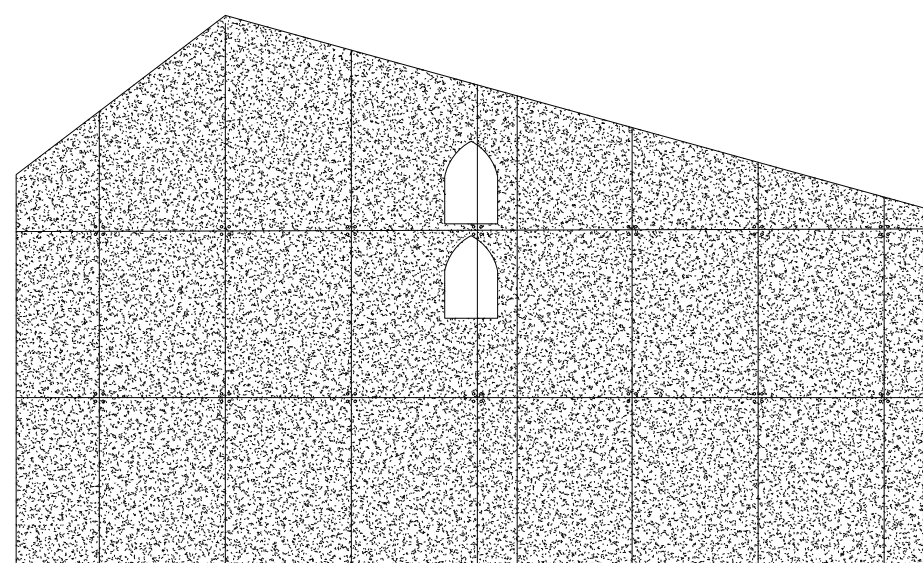




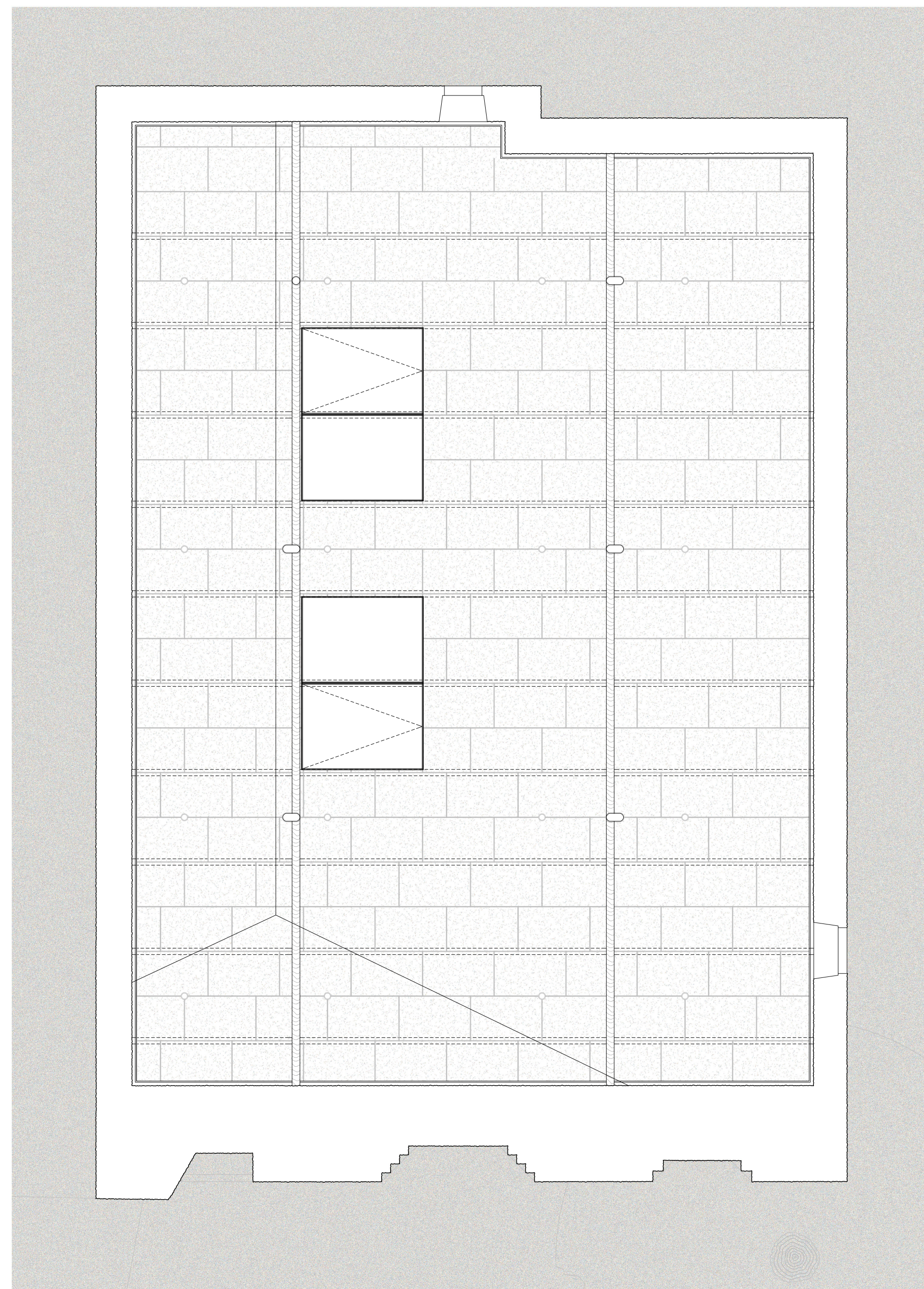
1. 60/6mm stainless steel cover strip
2. 23mm toughened glass
3. brass gutter 1mm
4. brass down pipe 75mm dia.
5. brass down pipe clamp
6. blackened clear-coated steel T-profile beam 6000/200/10mm
7. fin plate
8. blackened clear-coated steel L-profile column 10mm
9. blackened steel spotlight welded to connecting plate 1mm
10. clear-coated stainless steel connecting plate 10mm
11. recessed stainless steel connecting bolt
12. cross bracing
13. brass rain plate 1mm
14. concrete baseplate
15. galvanized steel connecting bolt
16. galvanized steel connecting plate 10mm
17. concrete sealing plate poured after the column has been secured
18. galvanized steel base plate
19. anchor bolt
20. non-shrink grout 10mm
21. concrete footing 1000mm deep



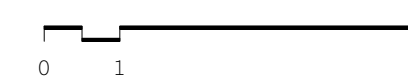
KATARIINA CHURCH RENOVATION

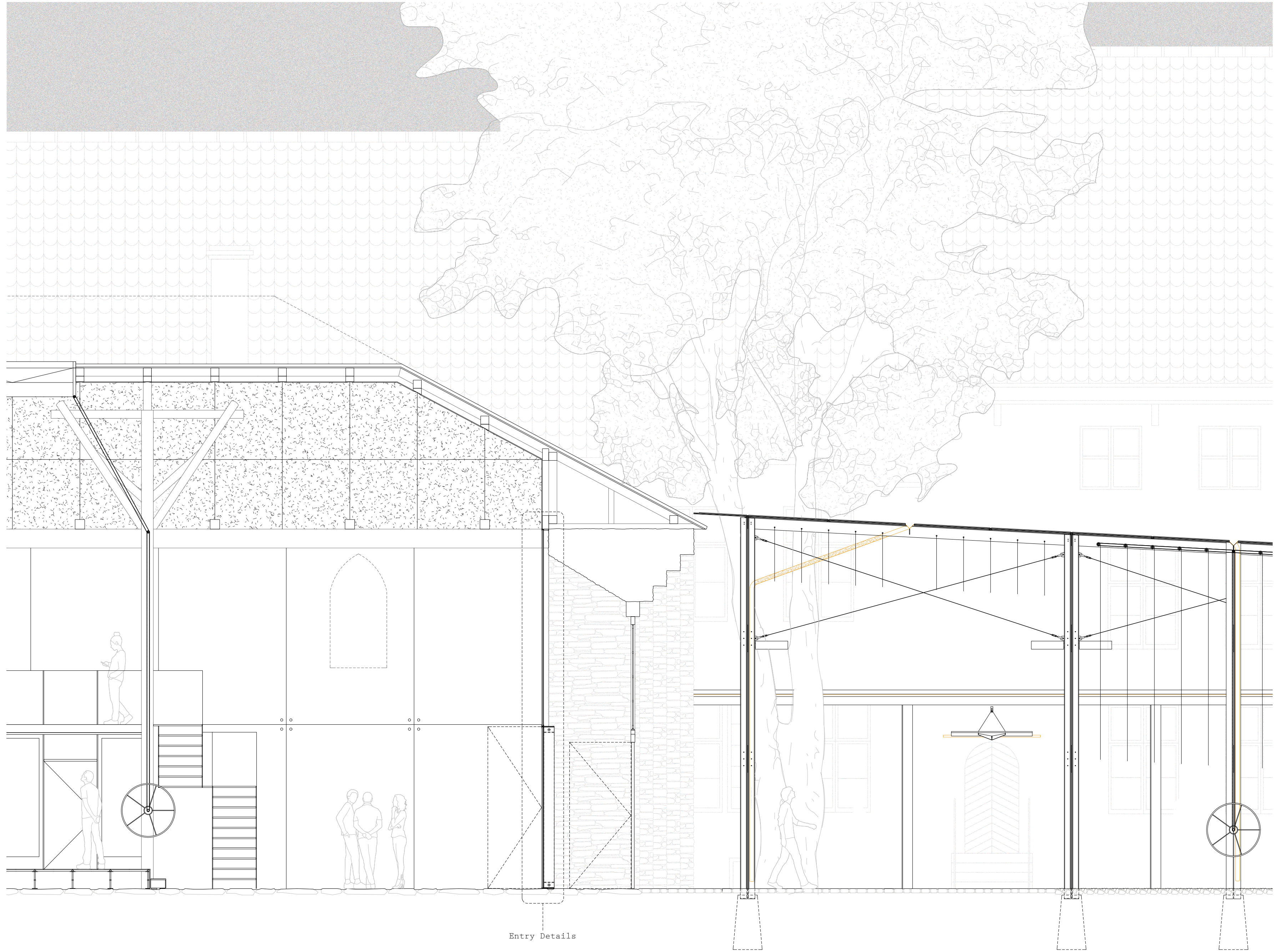
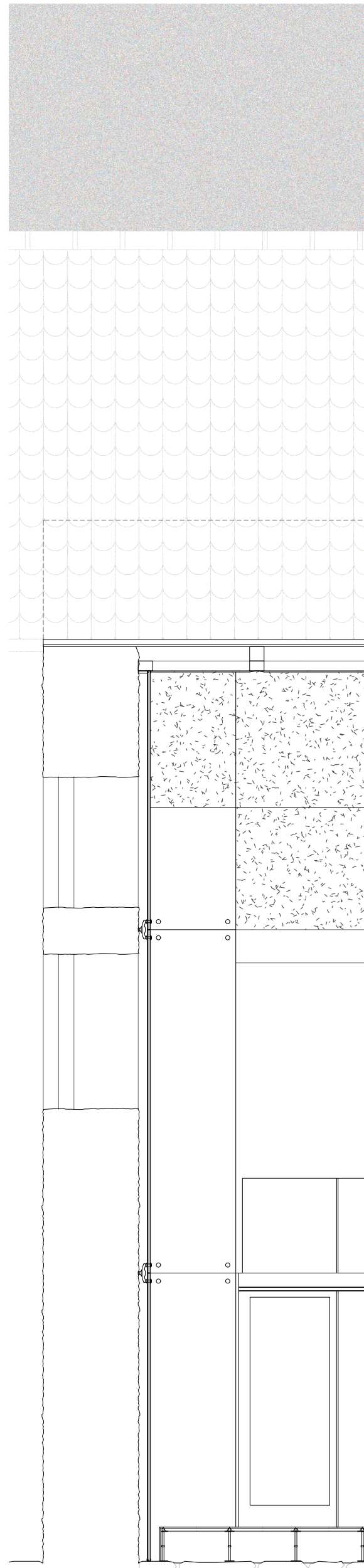


The ruins of the Katariina church have been renovated to improve their functional use. Currently the city rents the space for exhibitions and events in the warmer months, but due to the lack of a thermal envelope the space is unusable for much of winter. The proposed renovation of the church would involve the installation of a skylight to provide more natural light and ventilation. The ceiling is insulated and finished with acoustic paneling to improve the thermal envelope and provide sound proofing. Finally, to combat the heat loss from the historic limestone walls, insulated glazing is wrapped around the interior, ensuring the visibility of the historic stone walls while also closing off the thermal envelope.



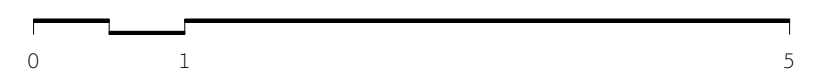
KATARIINA CHURCH CEILING PLAN 1:100

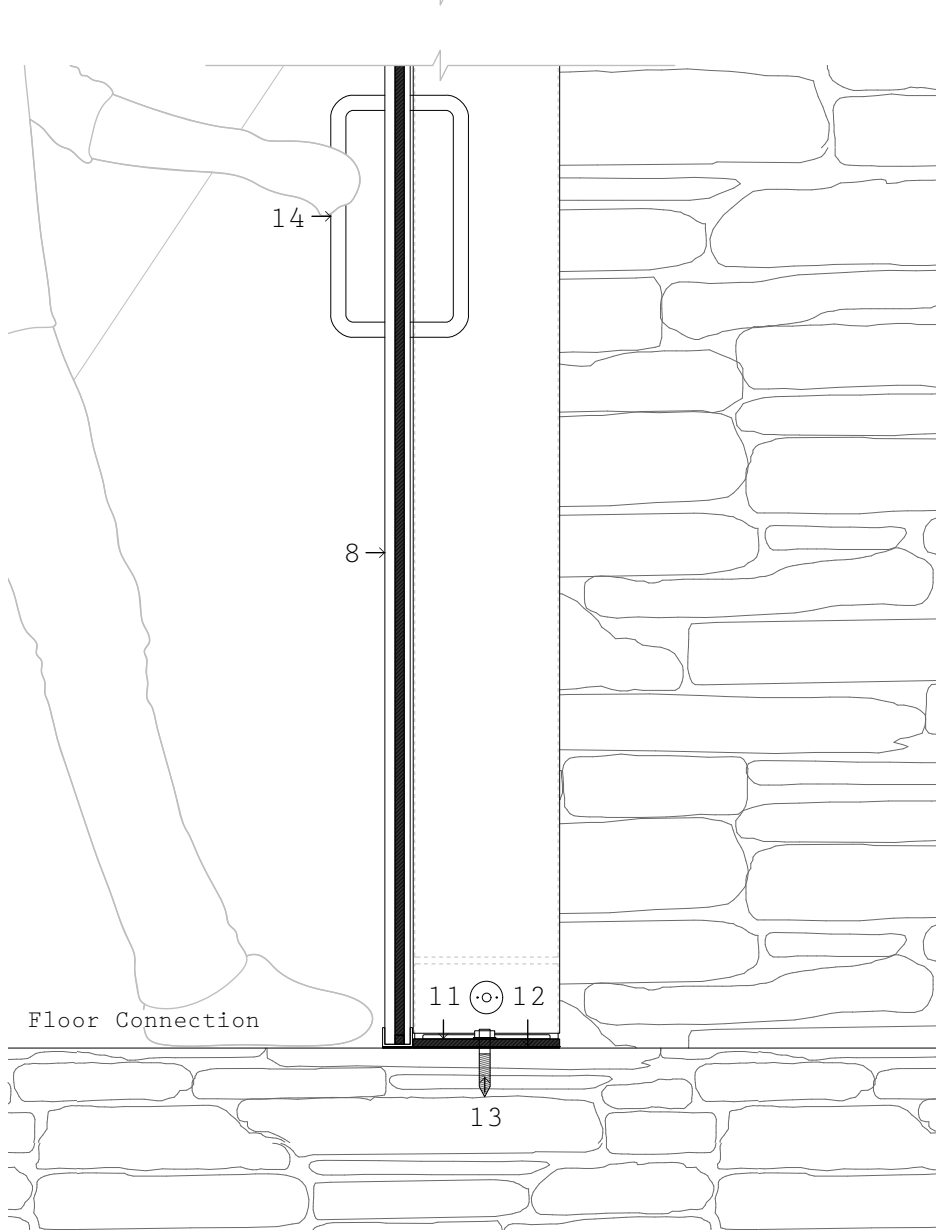
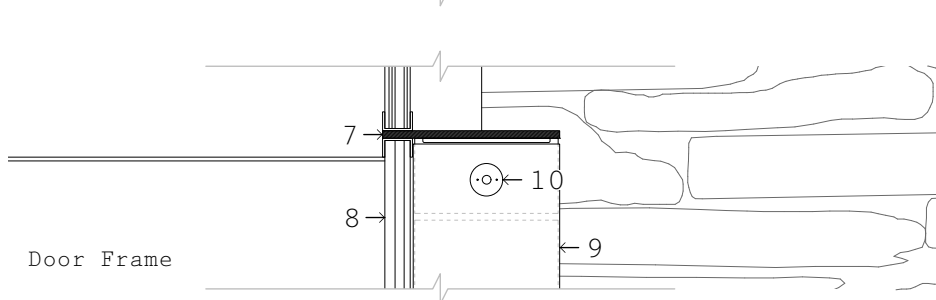
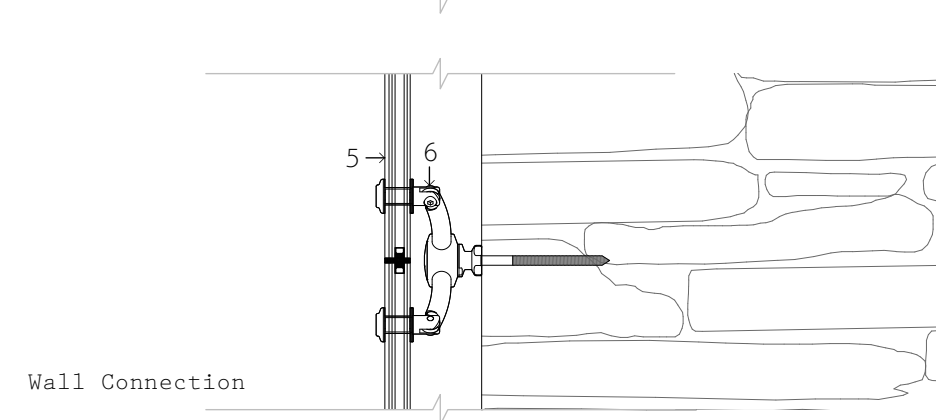
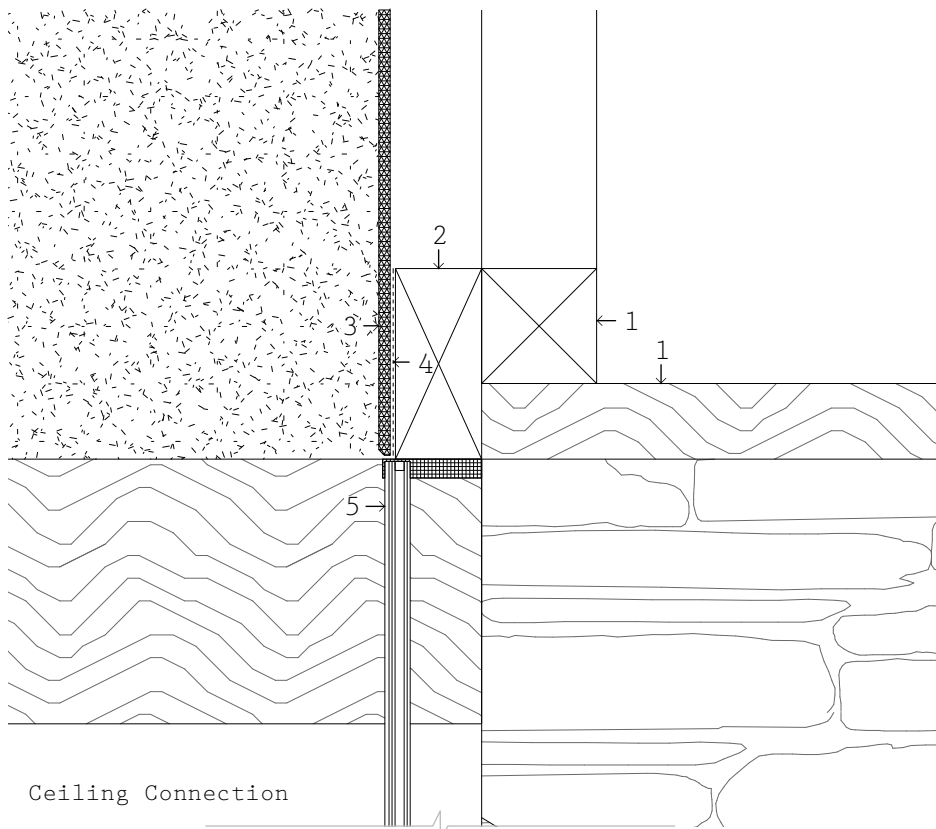




Entry Details

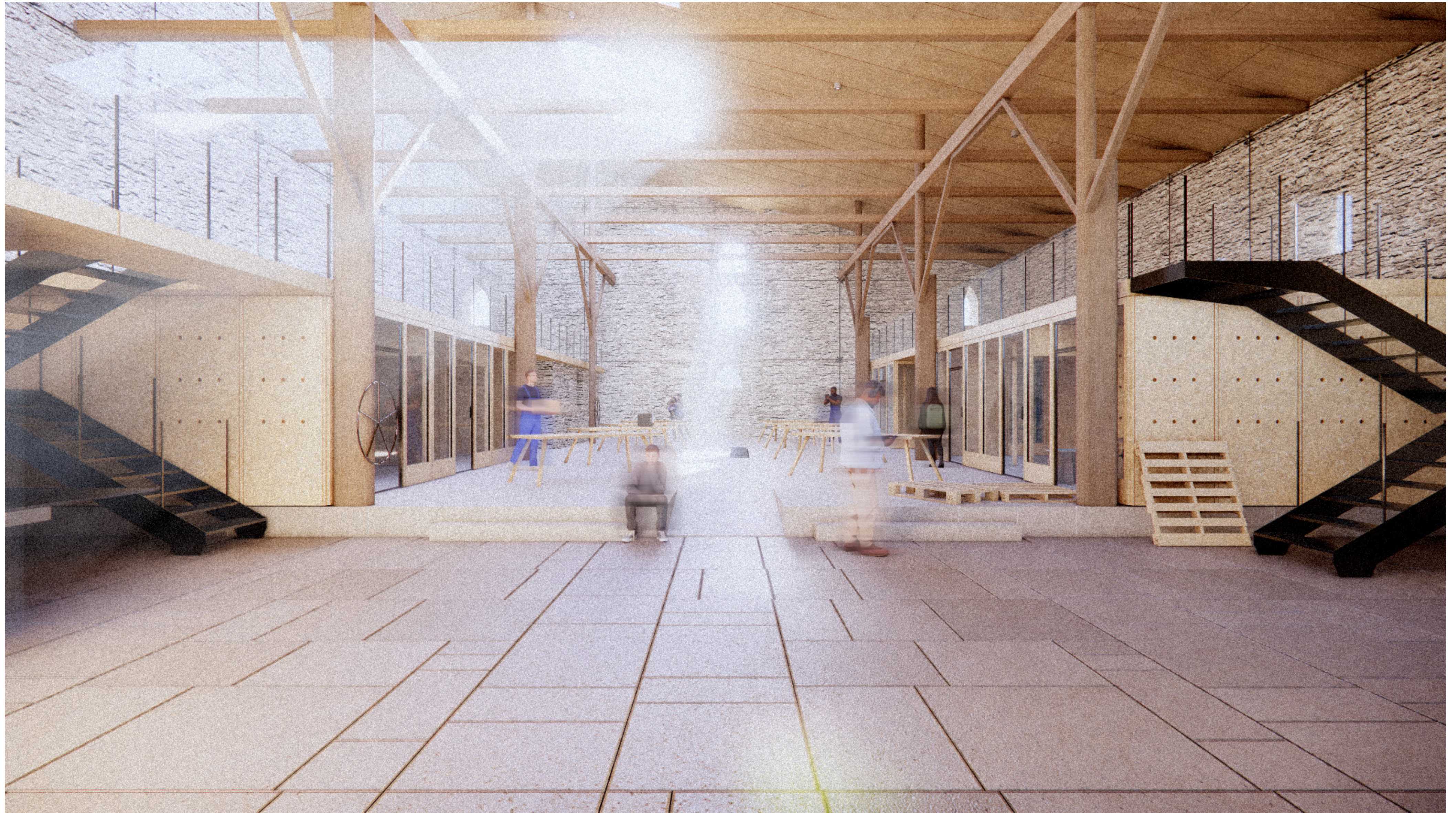
SECTION BB 1:50



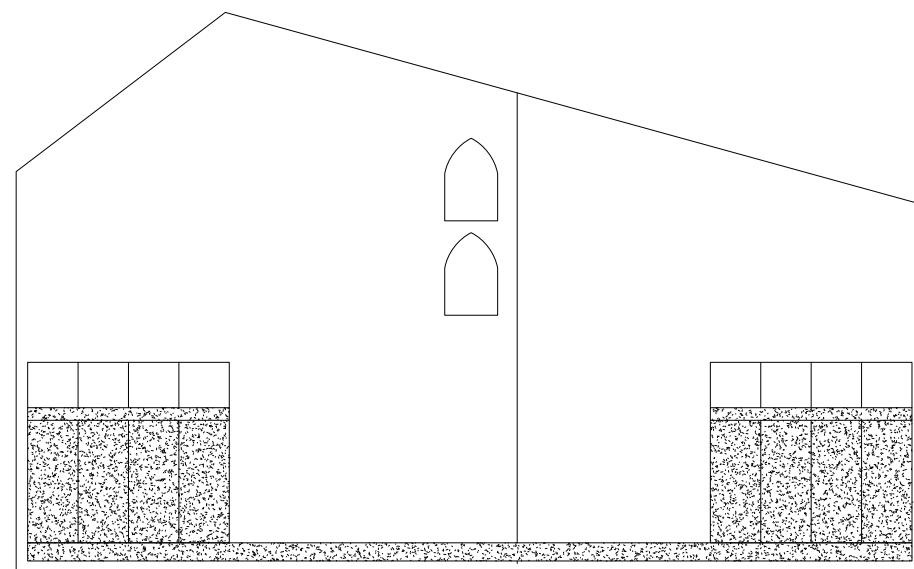


1. existing timber framing
2. new timber framing for ceiling renovation
3. polyester fiber acoustic panel 15mm, typical panel size 2000/1250
4. panel adhesive
5. insulated glass covering over historic stone wall 34mm, panels are custom fit within existing structure
6. spider glass anchor bolt
7. blackened steel sheet 10mm
8. double swing door, toughened glass 3000/1000 with blackened steel inlay
9. structural glass column for door frame
10. aluminum point fixing 12mm
11. steel connection plating 10mm
12. non-shrink grout
13. anchor bolt
14. blackened steel door handle

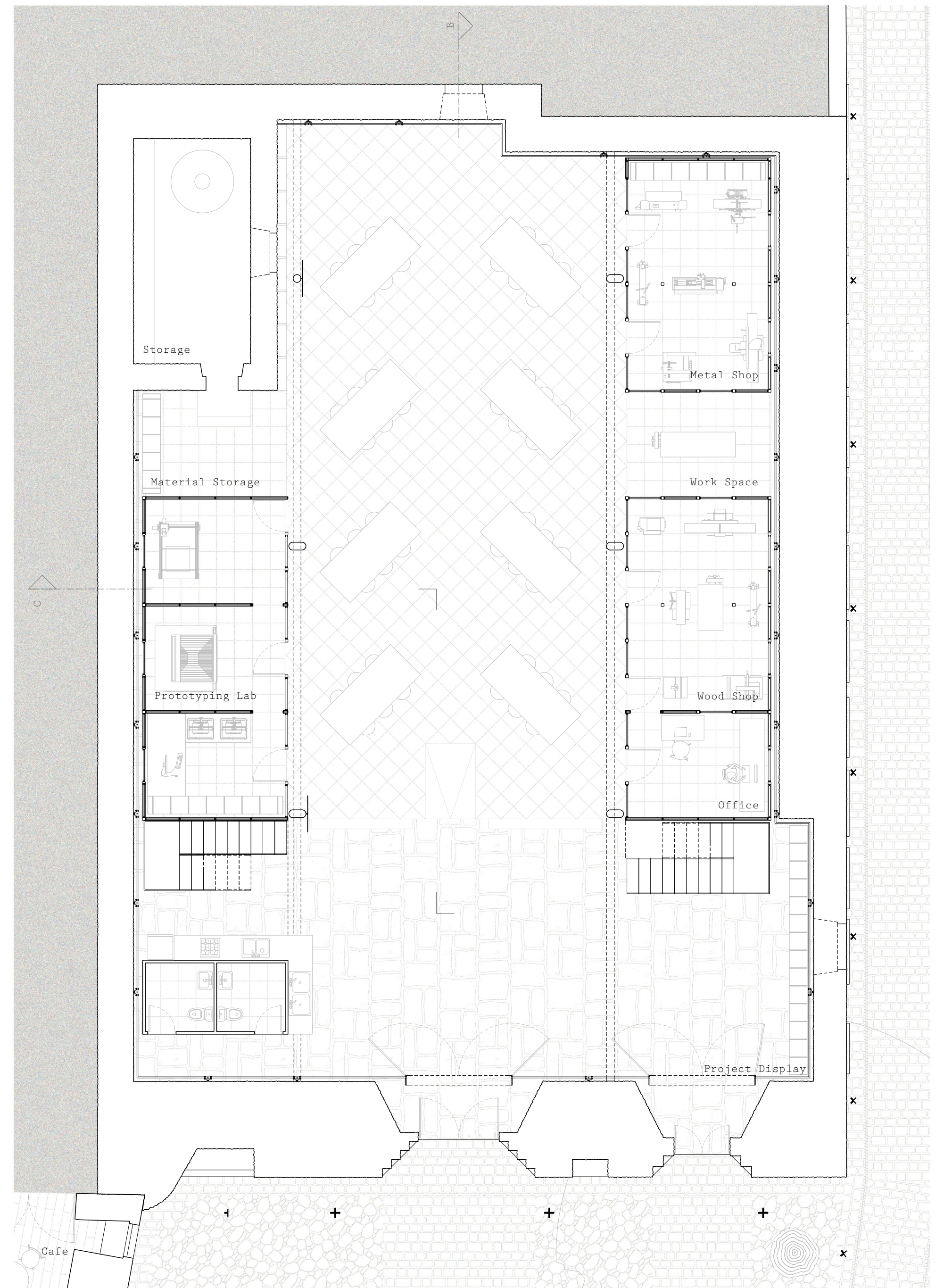
INTERIOR GLAZING DETAILS 1:10



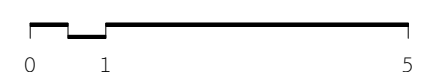
MAKERSPACE

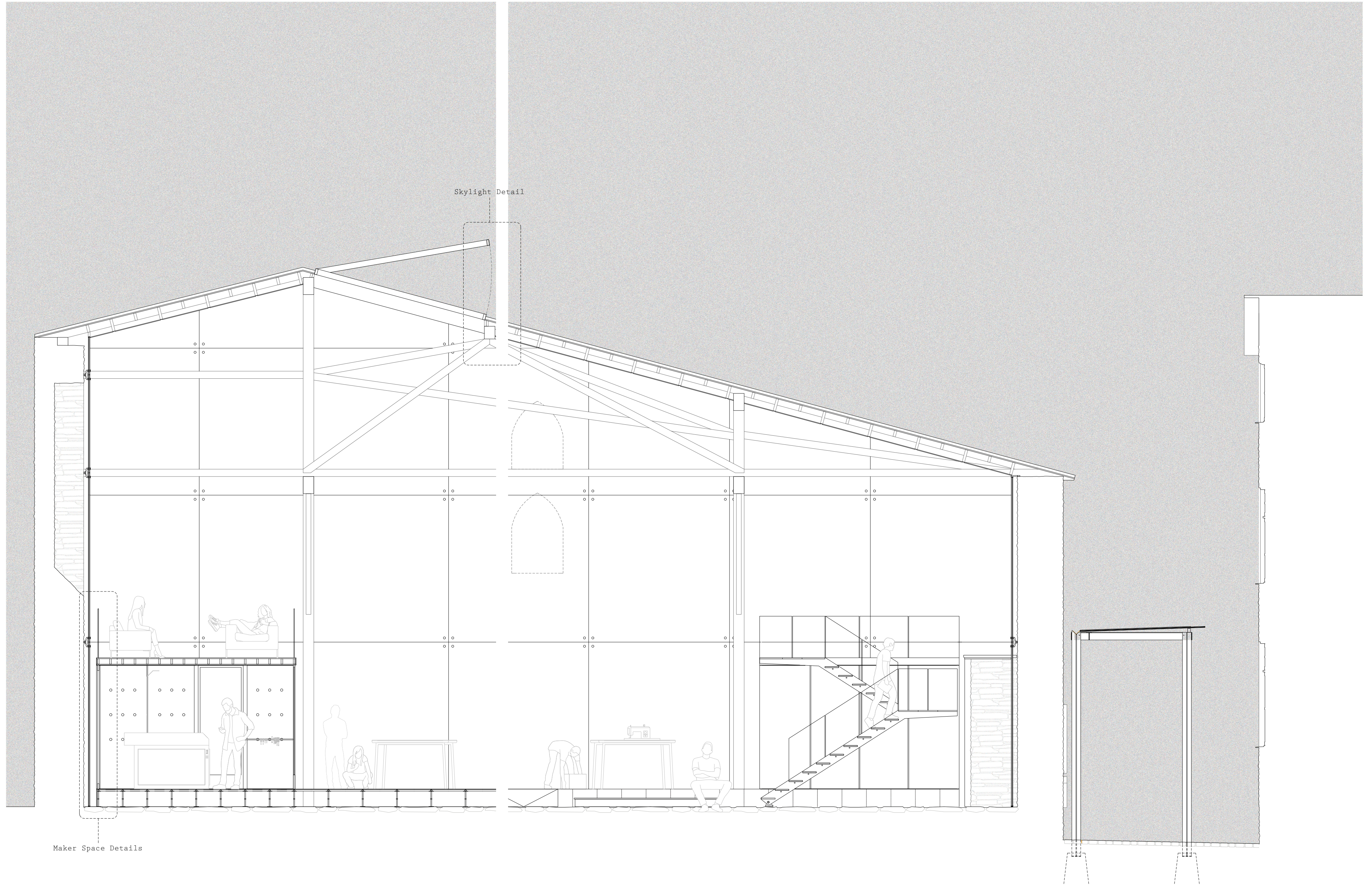


The Centrinno group helped launch a makerspace pilot project in Tallinn in 2022, and thus such a project was started at Kopli 93. Due to its success and the high volume of users the current acting organizers have begun planning the opening of another 7 makerspaces throughout the city. My proposal is to include one of these makerspaces within the Katariina Church. In order to protect the historic architecture the makerspace is designed to slot into the existing building in a non-invasive way. A raised flooring system is used to protect the original stone floors from the makerspace tools. The raised flooring becomes a stage for creativity, with an open workspace in the center and enclosed rooms constructed from OSB sandwich panels on either side. Within these rooms would be the wood shop, metal shop, and prototyping lab.

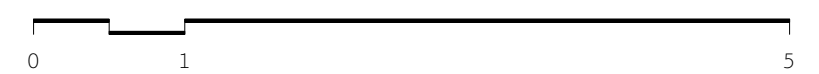


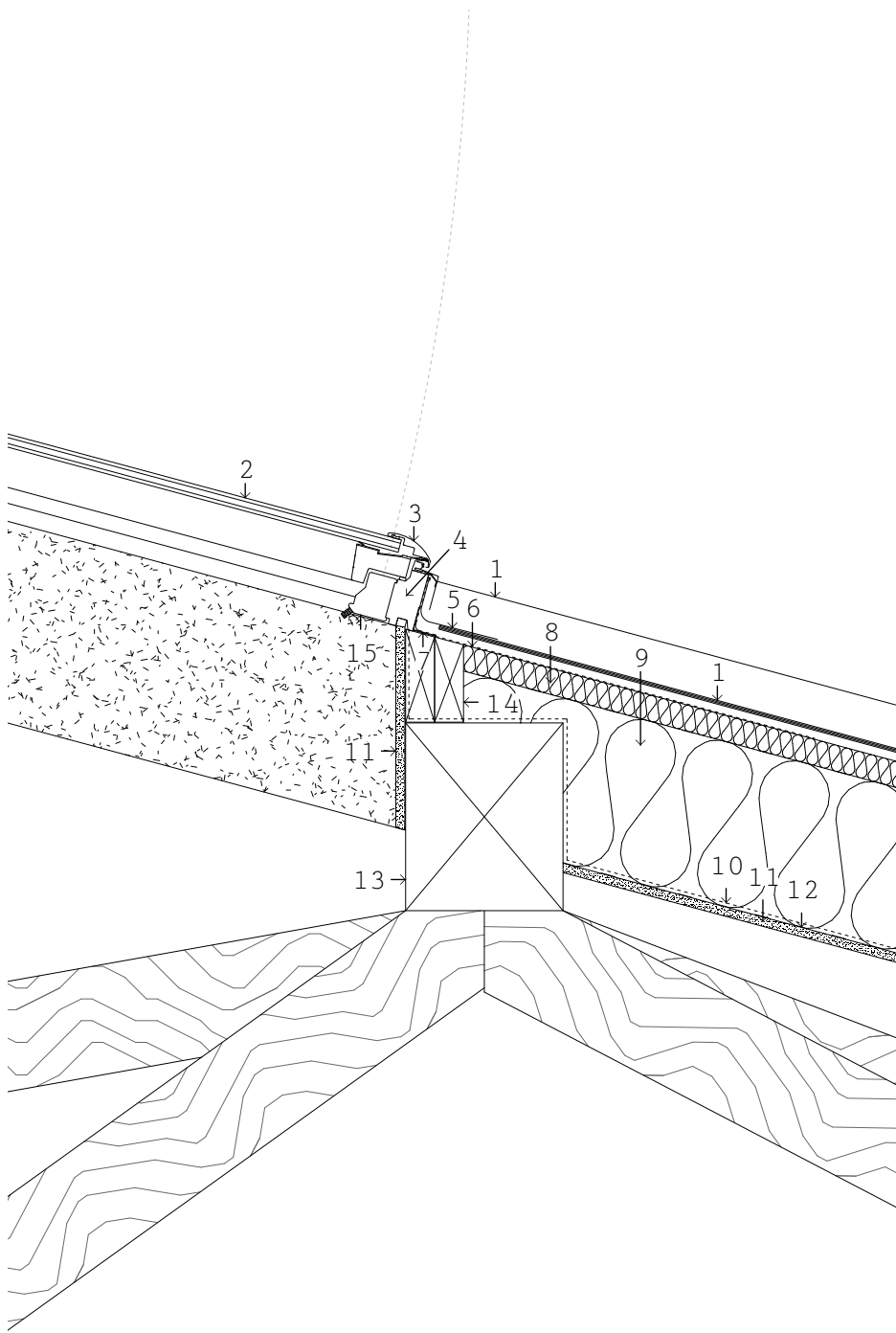
KATARIINA CHURCH GROUND FLOOR 1:100



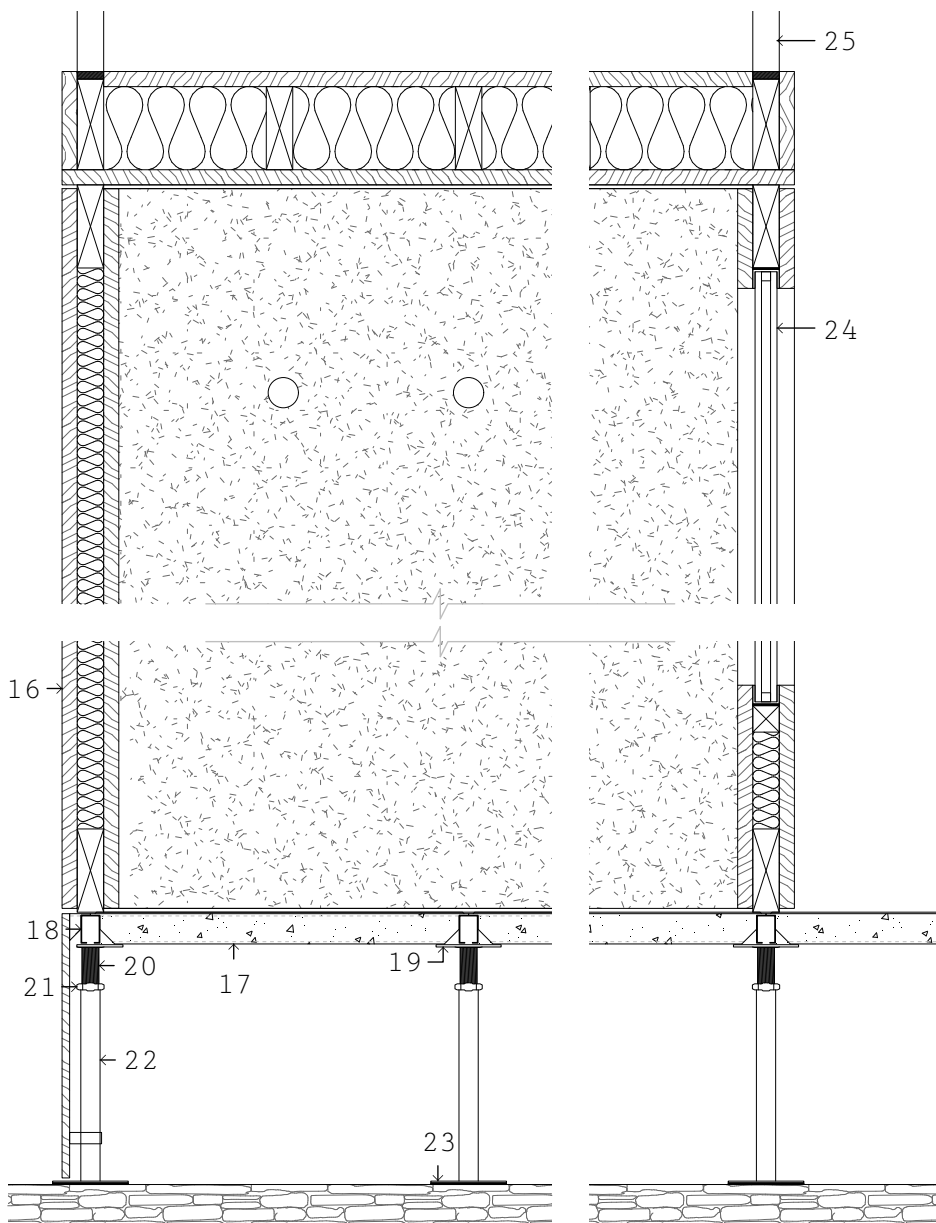


SECTION CC 1:50





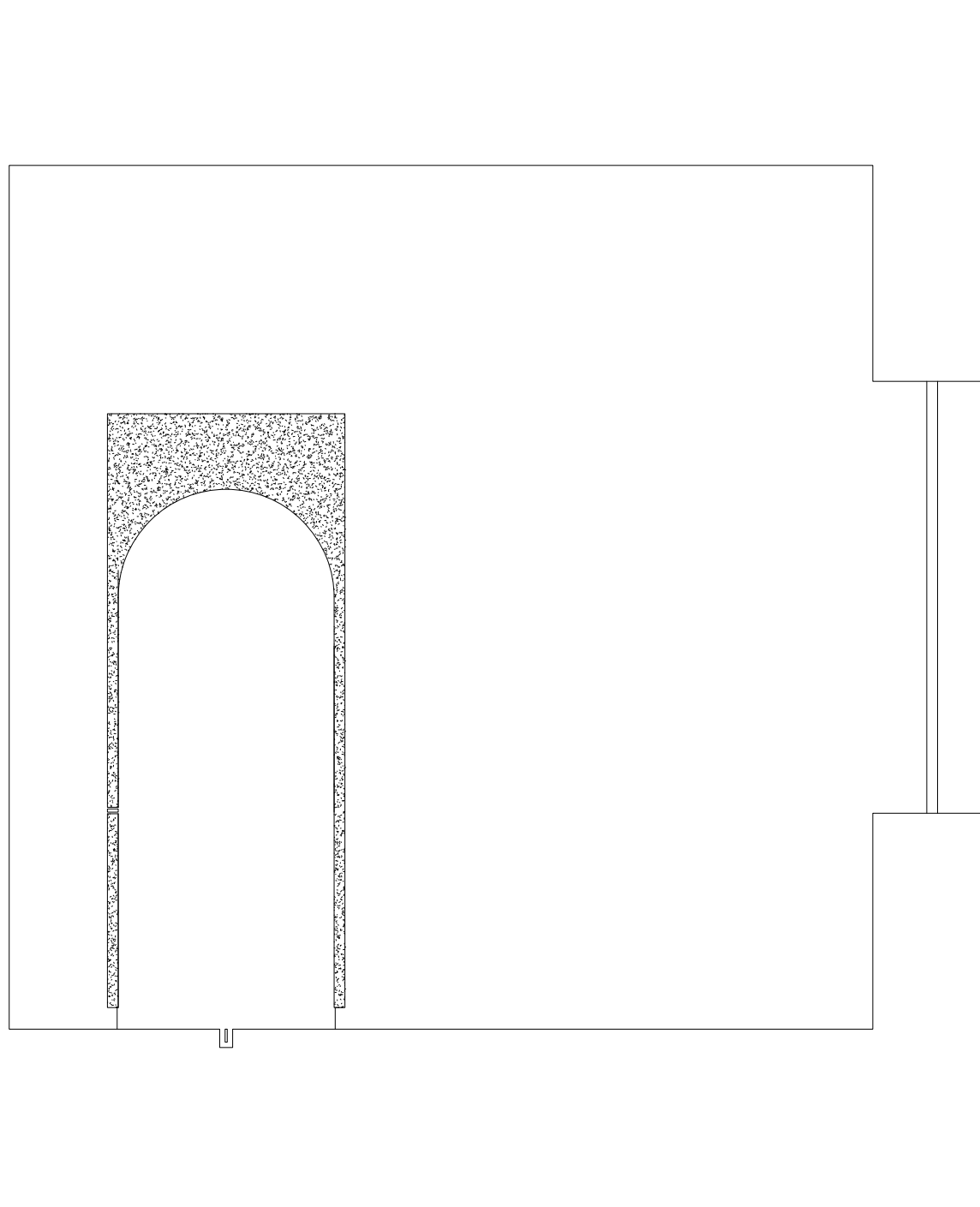
Skylight Detail



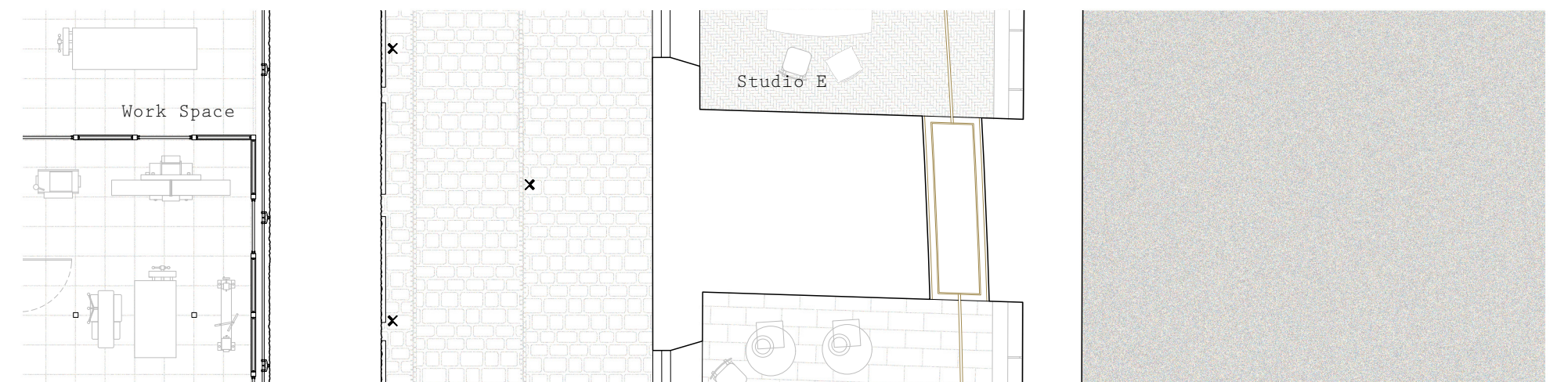
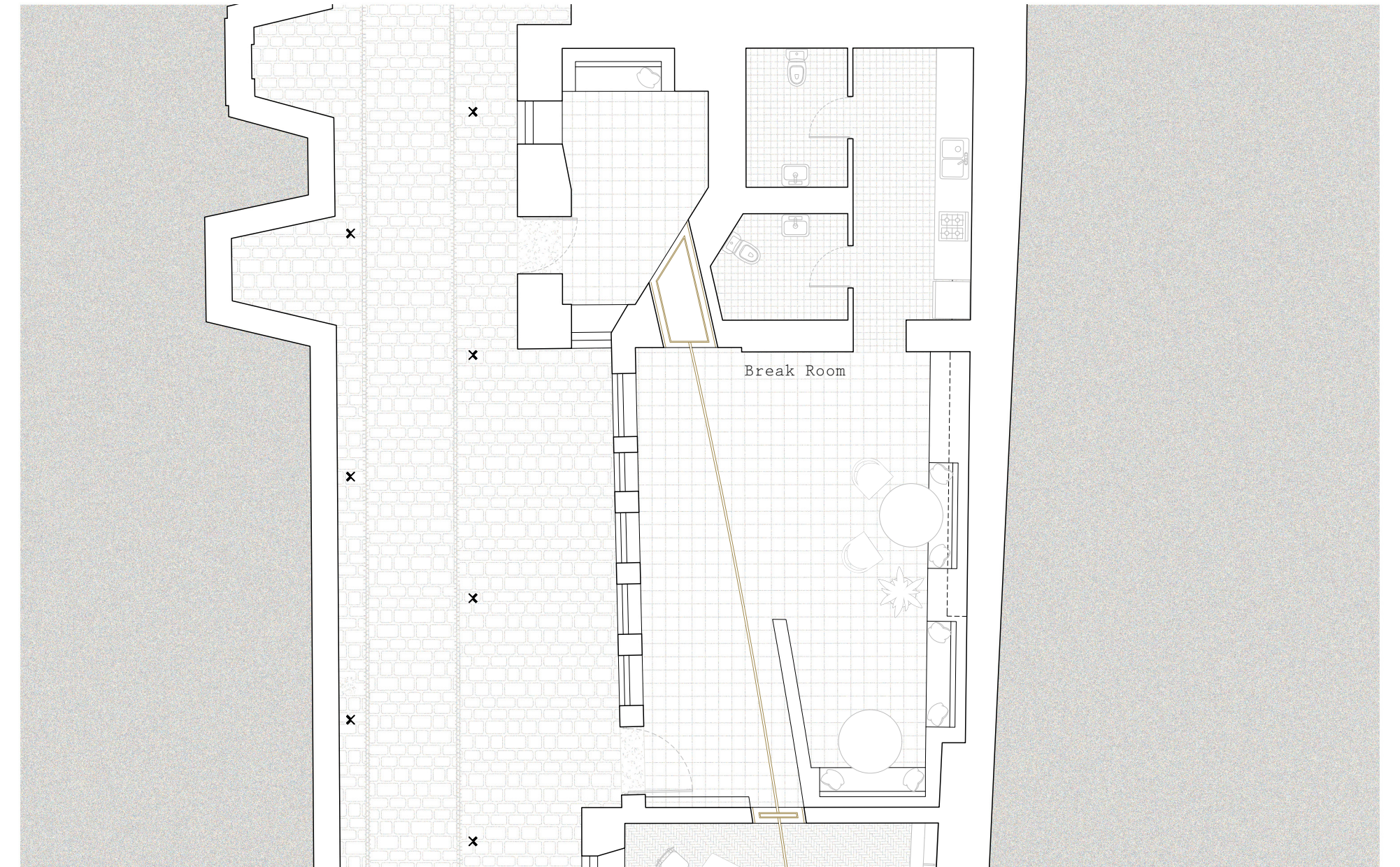
1. tin roof shingles
2. operable skylight for ventilation
3. steel extruded frame and sash handle
4. wooden frame and sash
5. sill flashing
6. adhesive underlayment
7. steel deck seal mounting bracket
8. wood fiber insulation boards 35mm
9. cellulose insulation 220mm
10. vapor barrier 0.5mm
11. polyester fiber acoustic panel 15mm, typical panel size 2000/1250
12. panel adhesive
13. existing timber framing
14. new timber block framing for skylight
15. manual operator with pvc cover and manual hook
16. OSB insulated sandwich panel
17. raised floor panel, 40mm concrete reinforced core with 2mm laminate finish
18. galvanized steel stringer
19. galvanized steel pedestal head
20. solid steel stud
21. leveling nut
22. steel pedestal tube
23. galvanized steel plate with rubber footing
24. OSB insulated sandwich panel with glazing
25. railing: 35/10mm blackened steel post and handrail

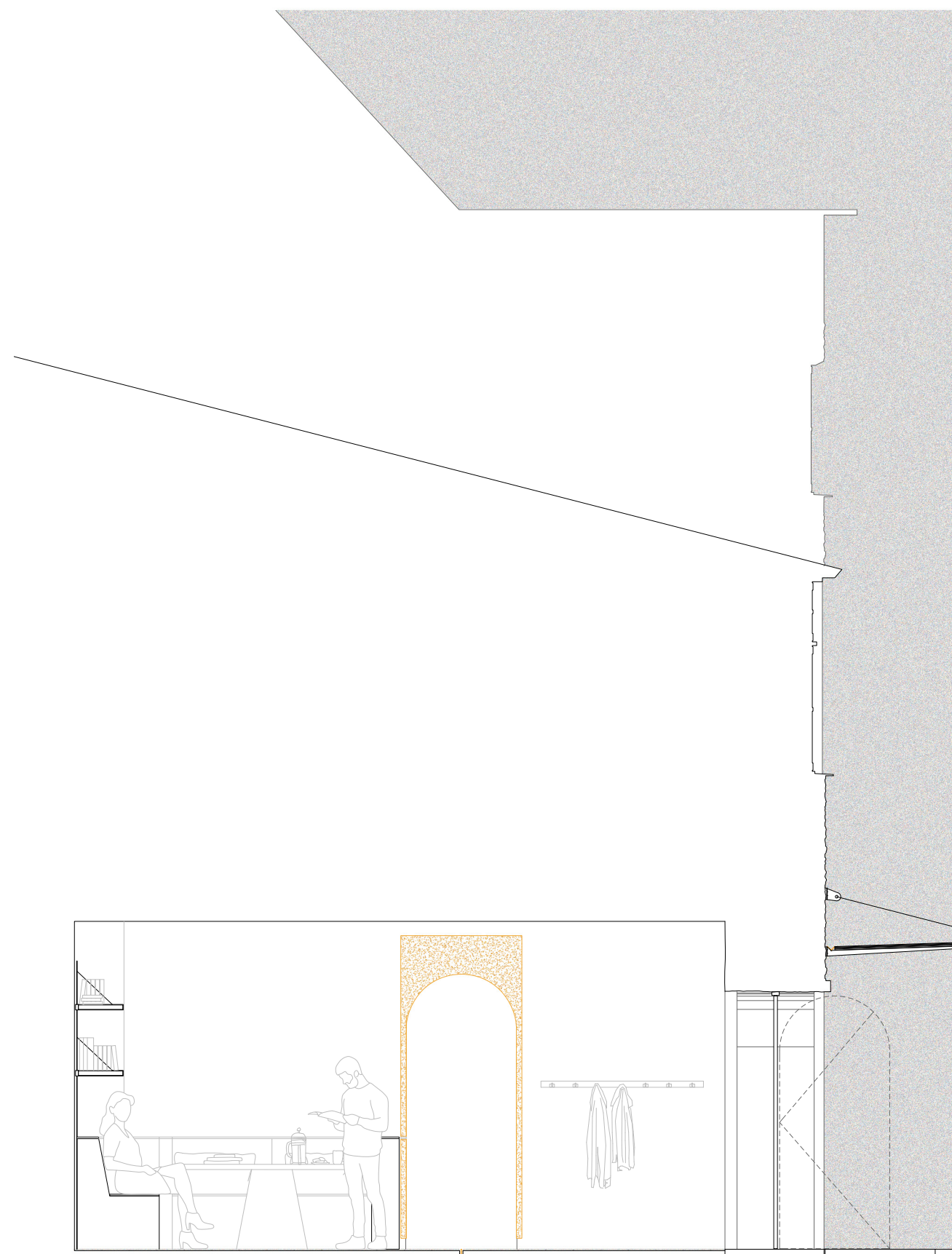


KATARIINA GUILD



The Katariina Guild is an organized group of artisans that have combined their studio spaces with their shops, giving visitors the opportunity to both purchase handcrafted goods and see the creation process. The artisan also benefits by having an opportunity to show off their process and highlight the value of their work. However, currently the studio spaces are all disjointed and lacking a sense of continuity. My proposal for the studio spaces is to create a promenade that connects each of them together. The proposed pathway is designed as a subtle curve which mimics the layout of the existing buildings and creates an axis to help delineate the work area from the display space. This arced axis is tucked against that back wall of the studios in order to maximize the workable floor area for the artisans, while still providing a cohesive interior language for the display of their creations.

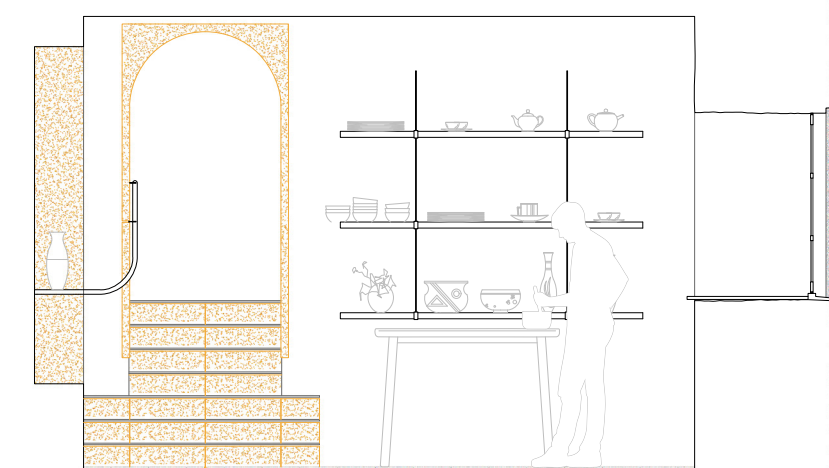




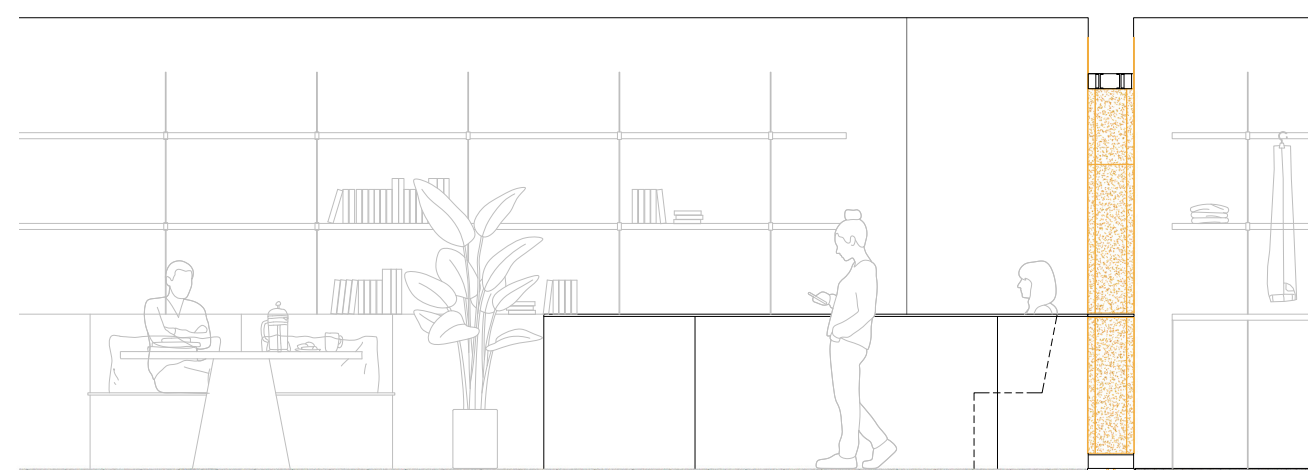
Break Room



Studio E

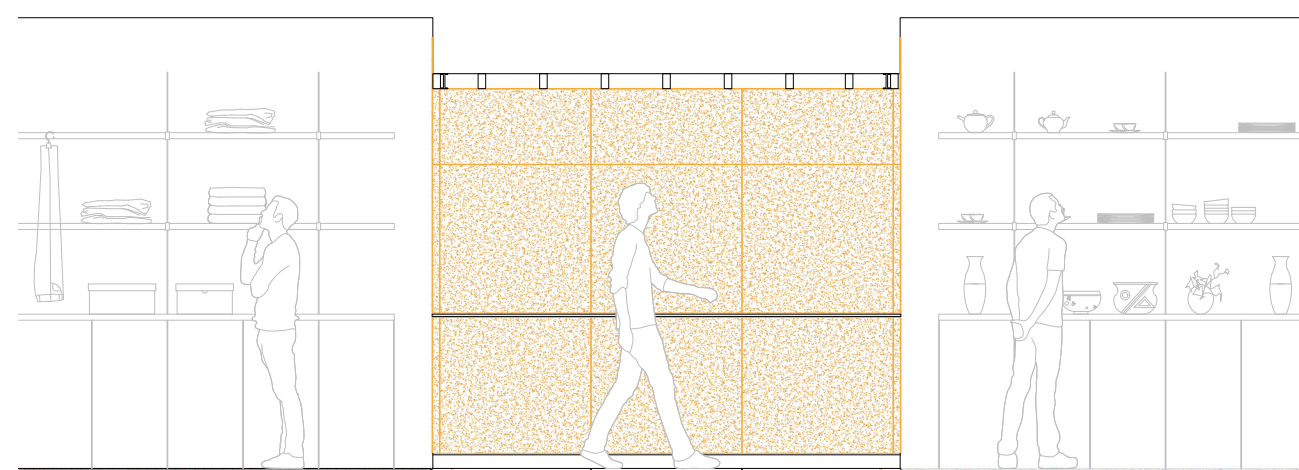


Studio C



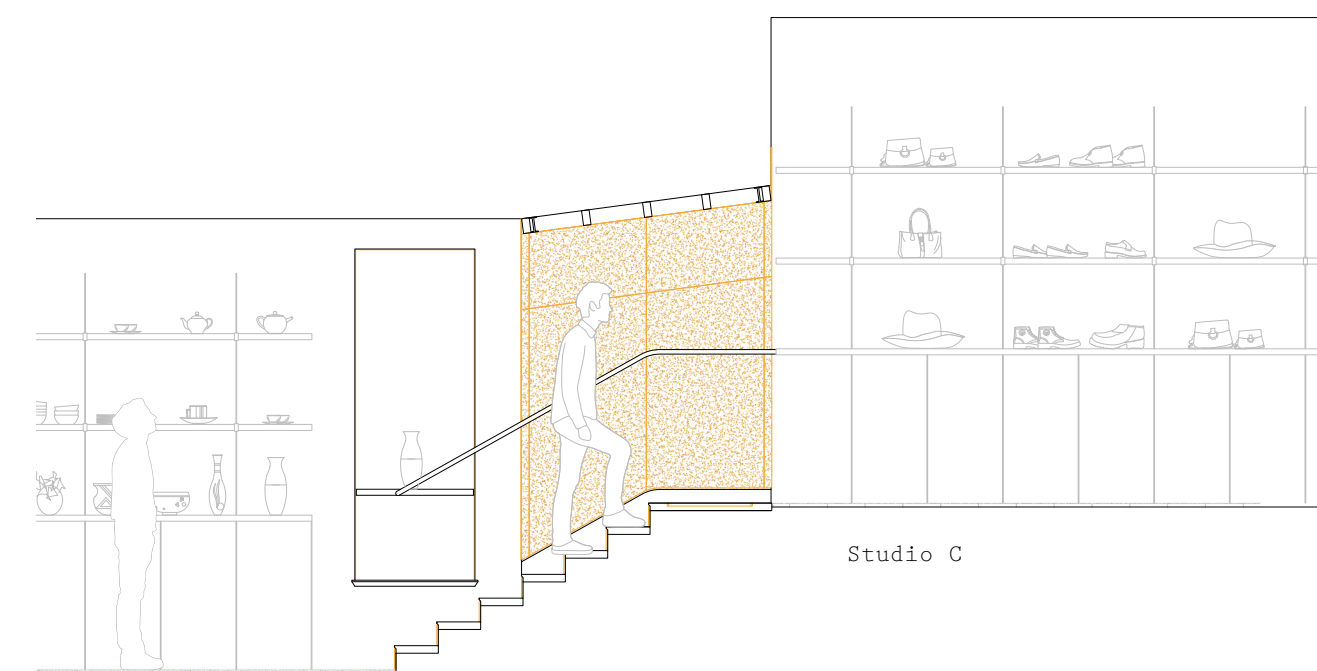
Break Room

Studio F



Studio E

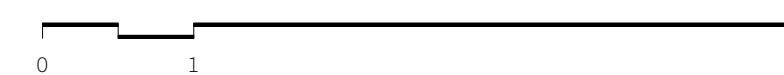
Studio D

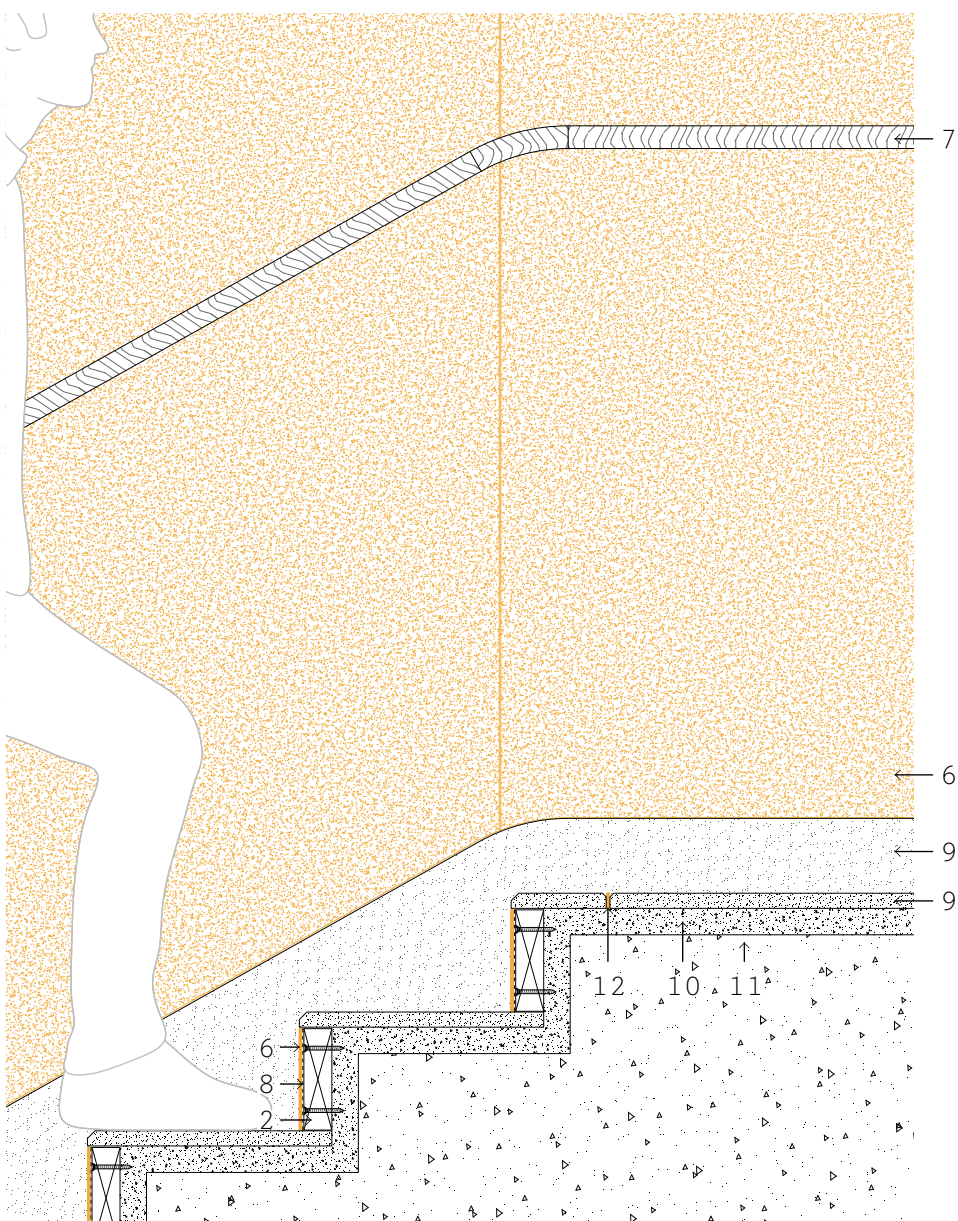
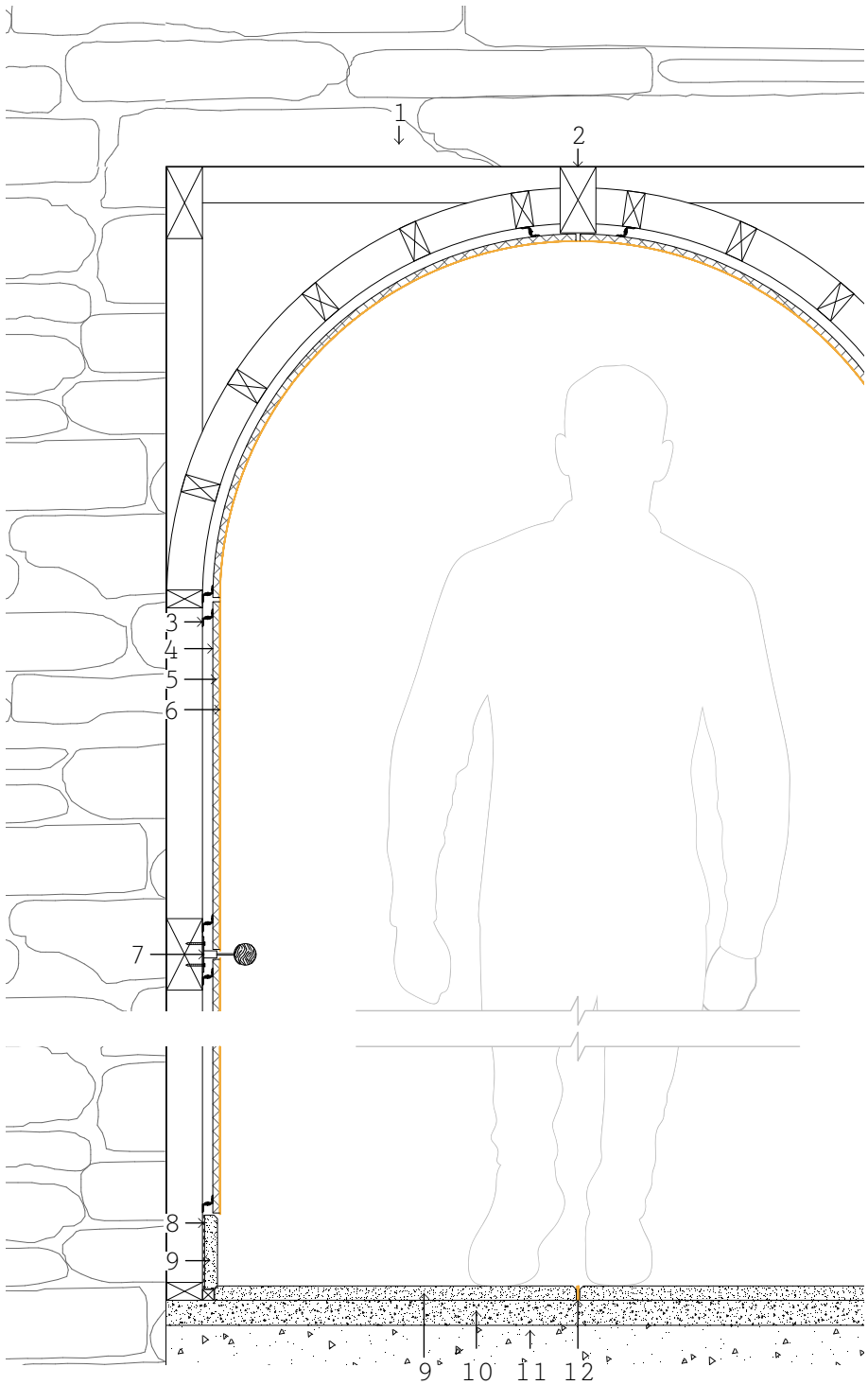


Studio D

Studio C

INTERIOR SECTIONS 1:50





1. existing limestone wall
2. new timber block framing for threshold
3. support angle bracket
4. back panel
5. honeycomb core
6. brass panel
7. wooden handrail with steel support 30mm
8. panel adhesive
9. limestone paneling/riser/tread 18mm thick
10. concrete screed 35mm thick
11. waist slab
12. brass inlay strip

GUILD THRESHOLD DETAILS 1:10