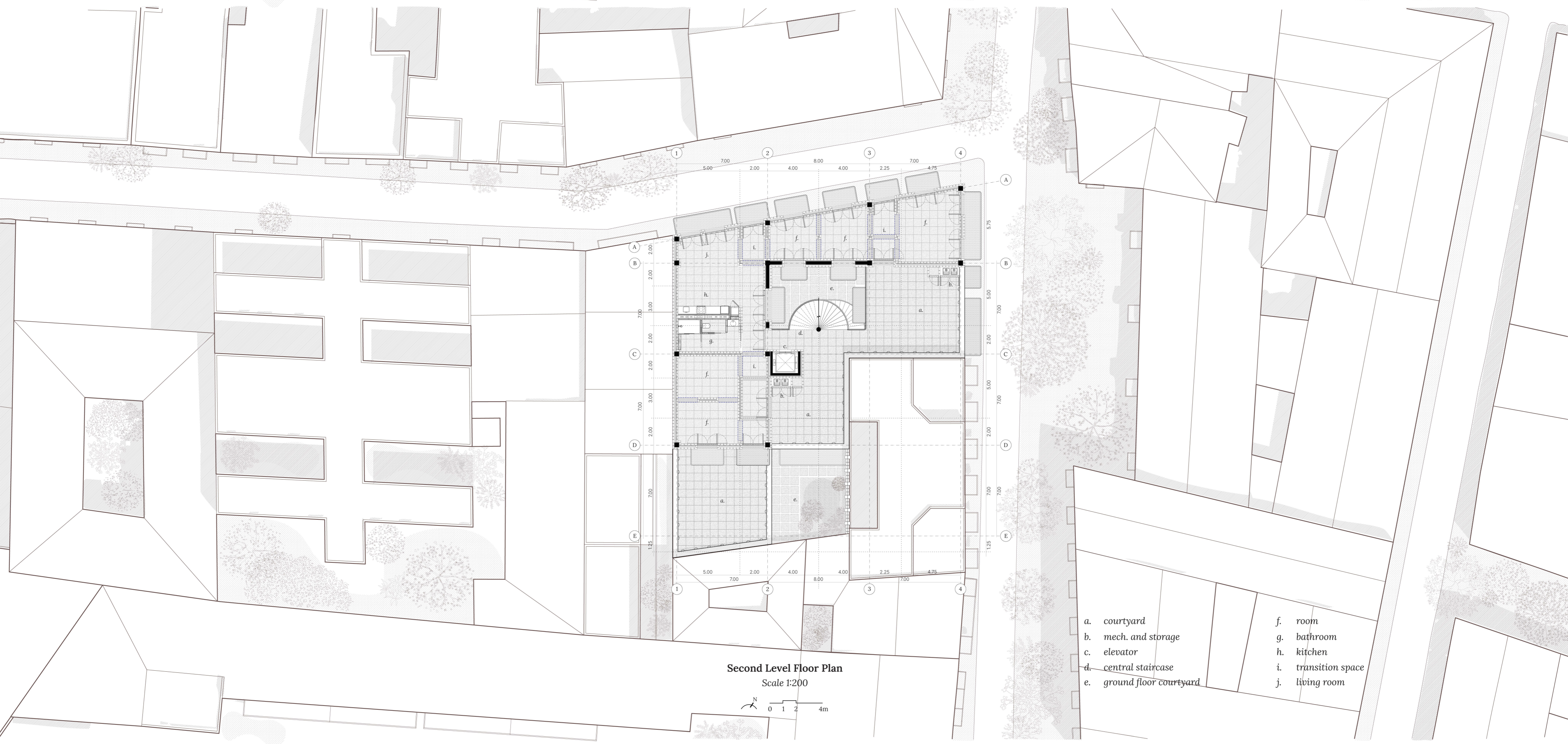


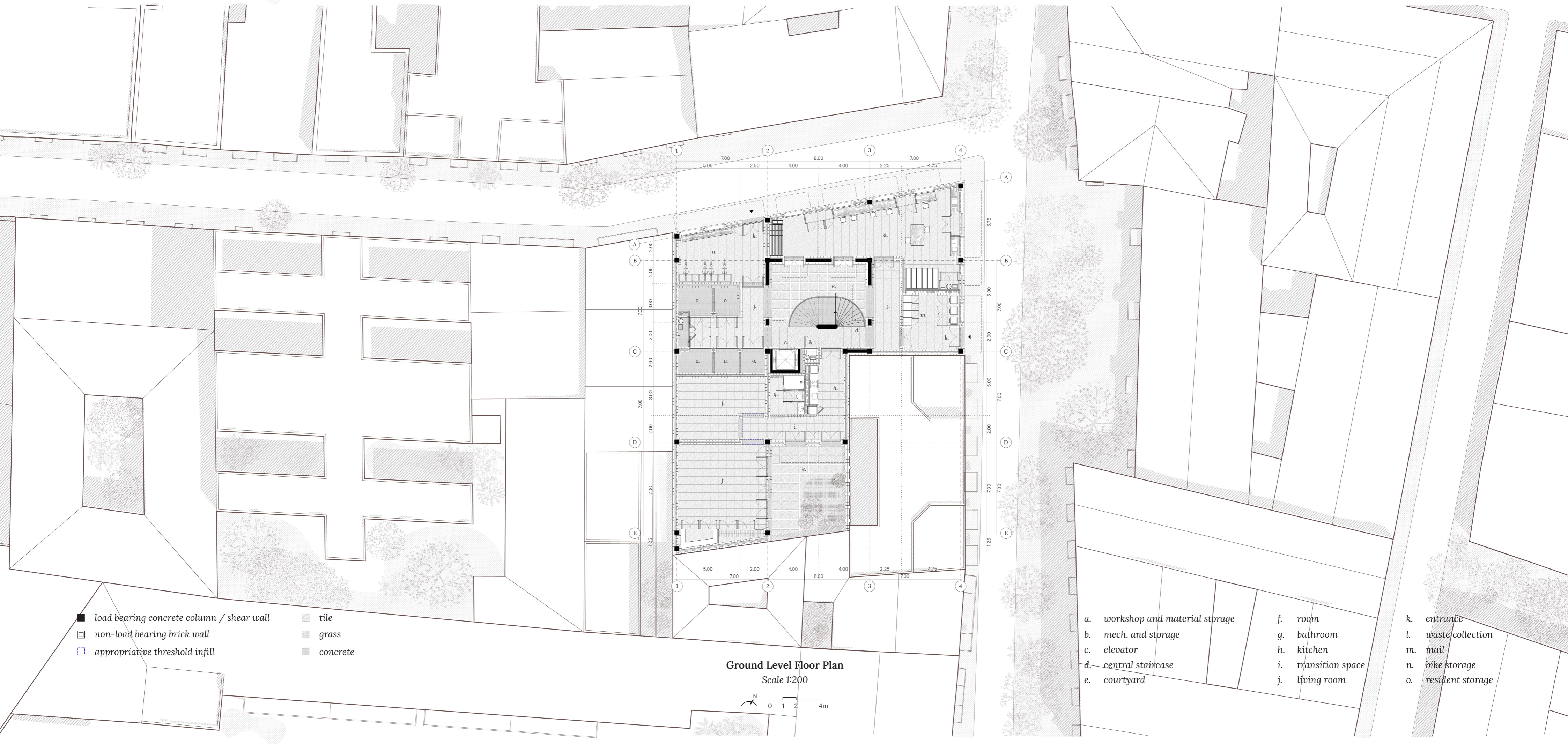
Roof Level Floor Plan
Scale 1:200

- a. rooftop courtyard
- b. mech. and storage
- c. elevator
- d. central staircase
- e. ground level courtyard
- f. second level courtyard



Second Level Floor Plan
Scale 1:200

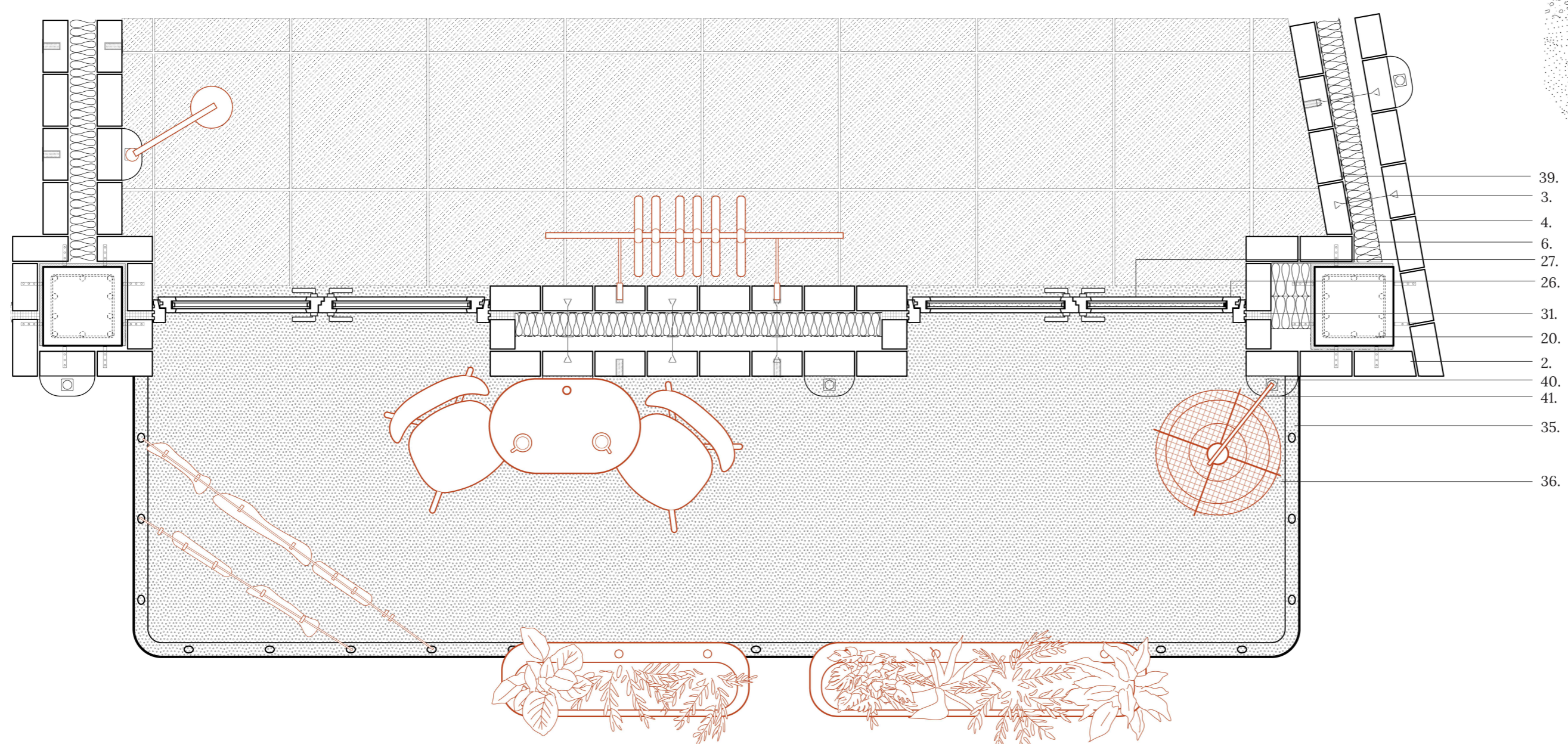
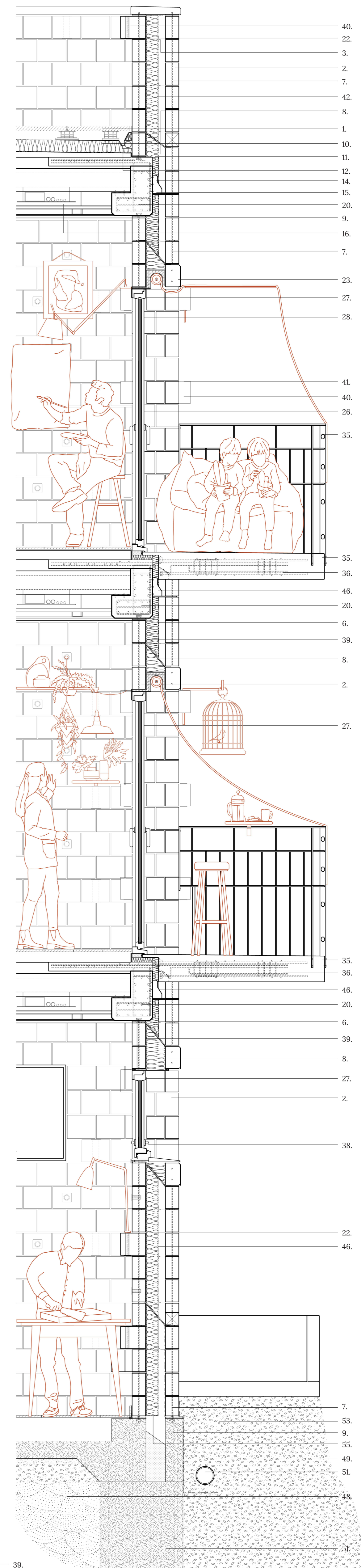
- a. courtyard
- b. mech. and storage
- c. elevator
- d. central staircase
- e. ground floor courtyard
- f. room
- g. bathroom
- h. kitchen
- i. transition space
- j. living room

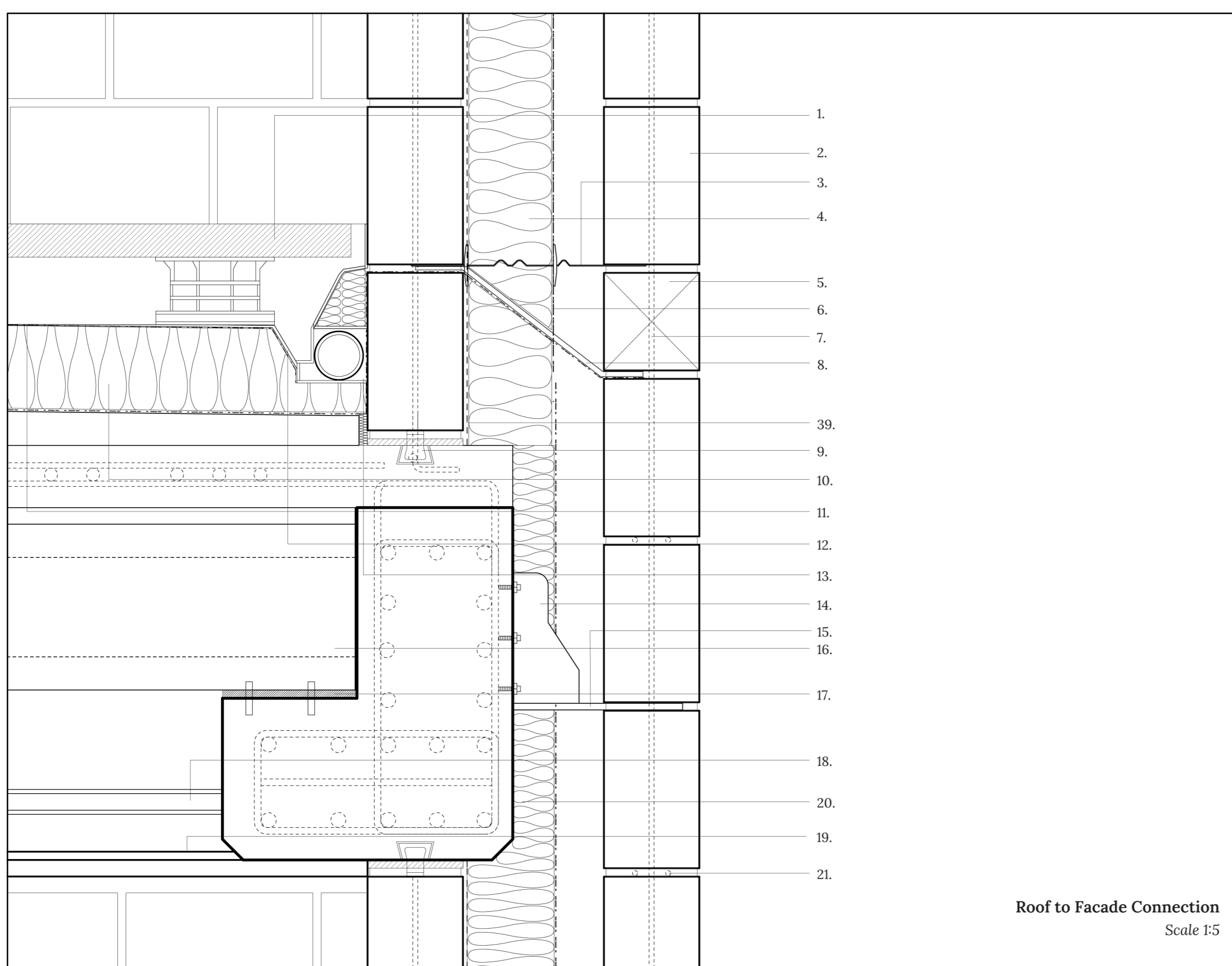


Ground Level Floor Plan
Scale 1:200

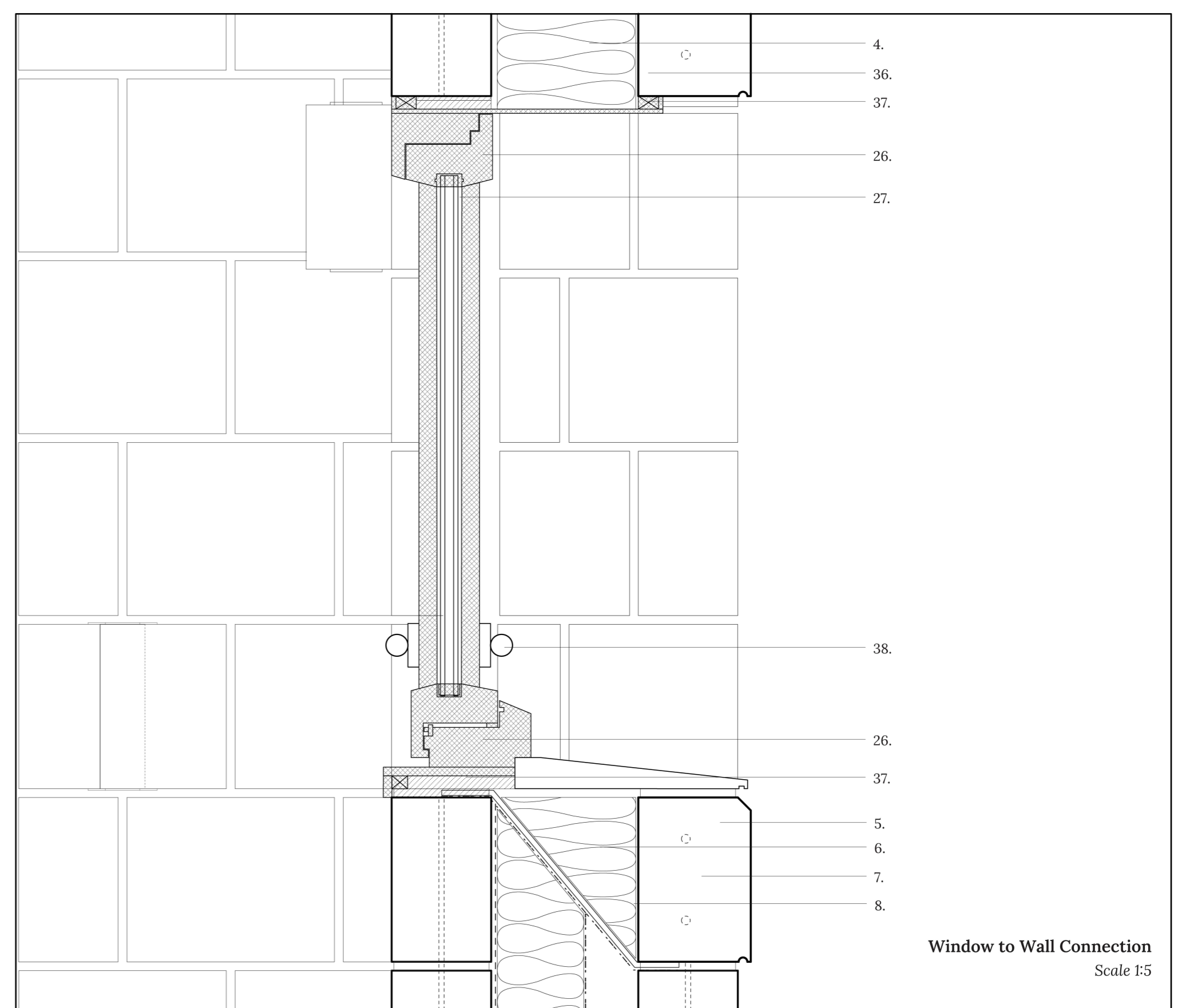
- a. workshop and material storage
- b. mech. and storage
- c. elevator
- d. central staircase
- e. courtyard
- f. room
- g. bathroom
- h. kitchen
- i. transition space
- j. living room
- k. entrance
- l. waste collection
- m. mail
- n. bike storage
- o. resident storage

- load bearing concrete column / shear wall
- tile
- non-load bearing brick wall
- grass
- appropriate threshold infill
- concrete

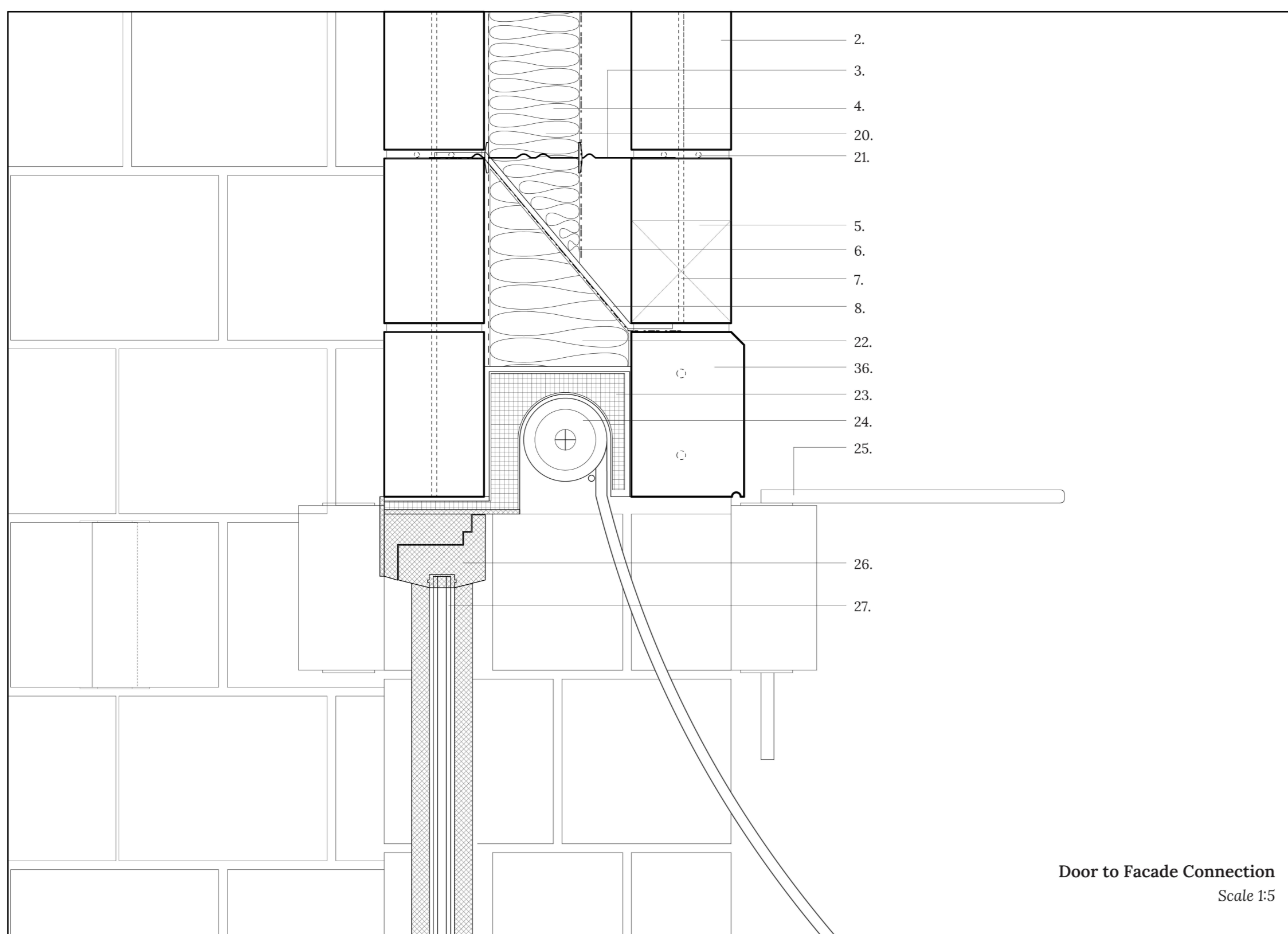




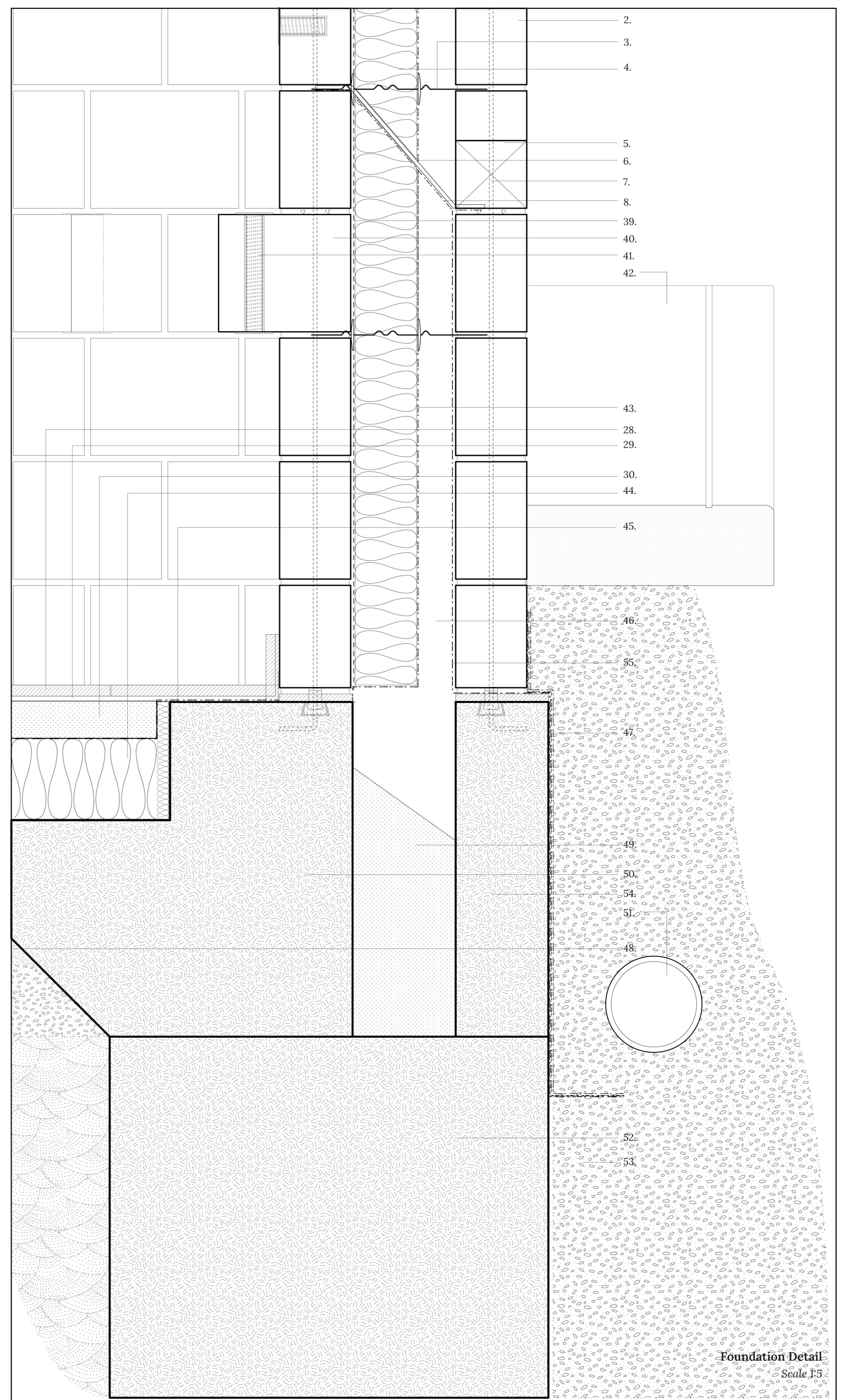
Roof to Facade Connection
Scale 1:5



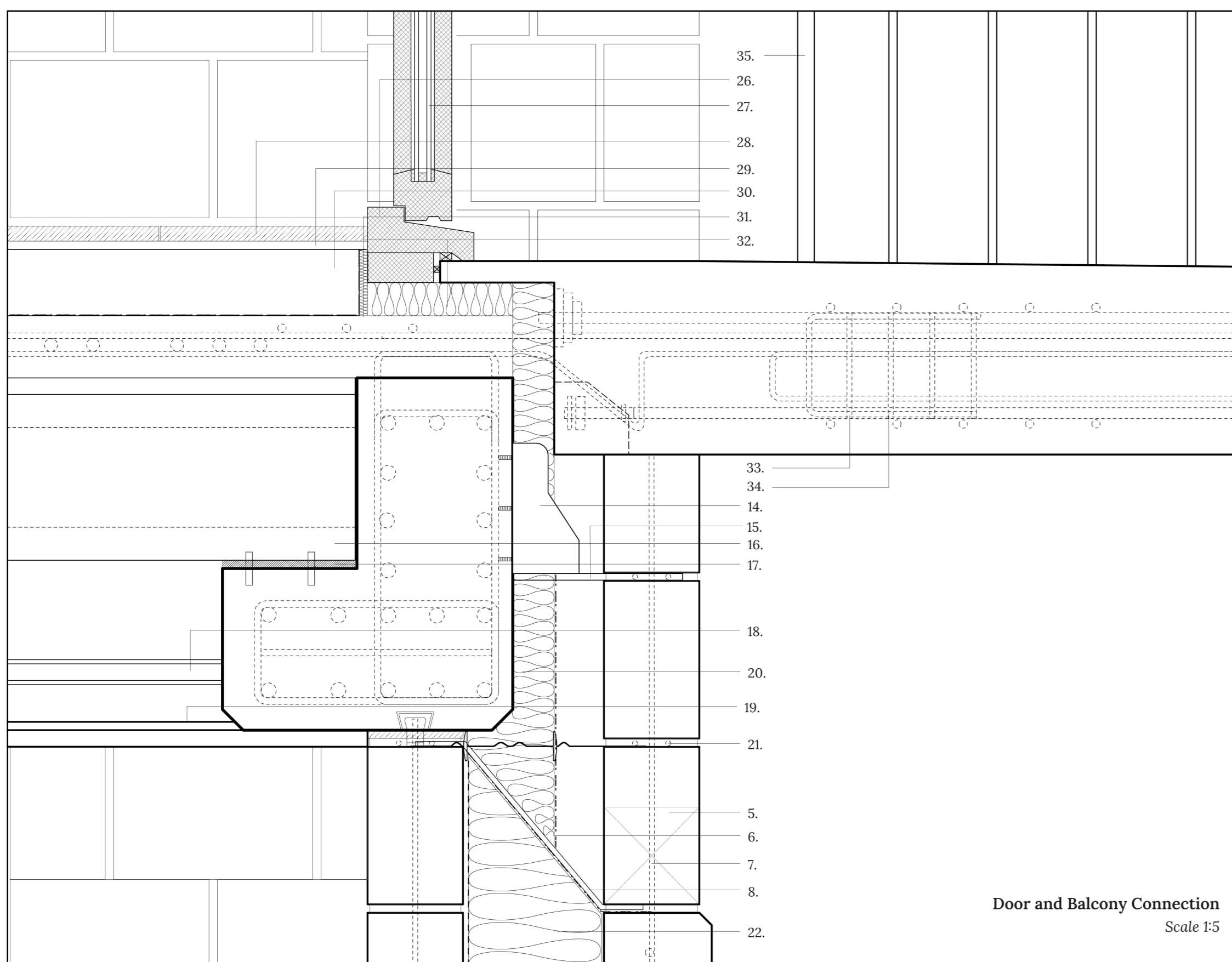
Window to Wall Connection
Scale 1:5



Door to Facade Connection
Scale 1:5

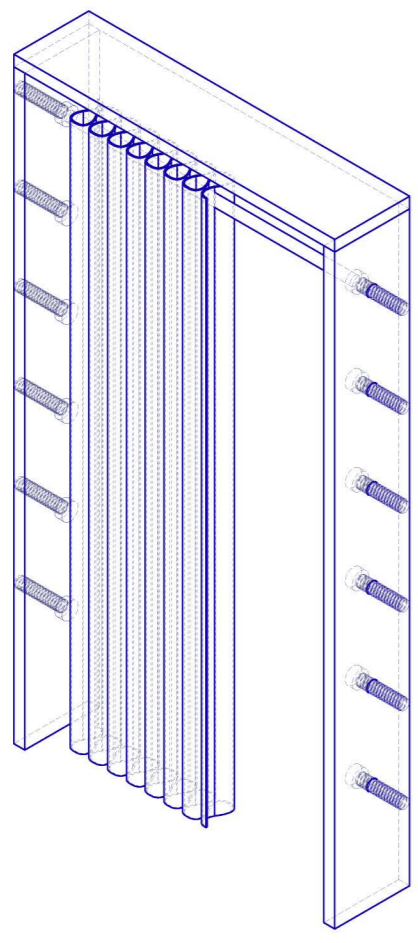


Foundation Detail
Scale 1:3

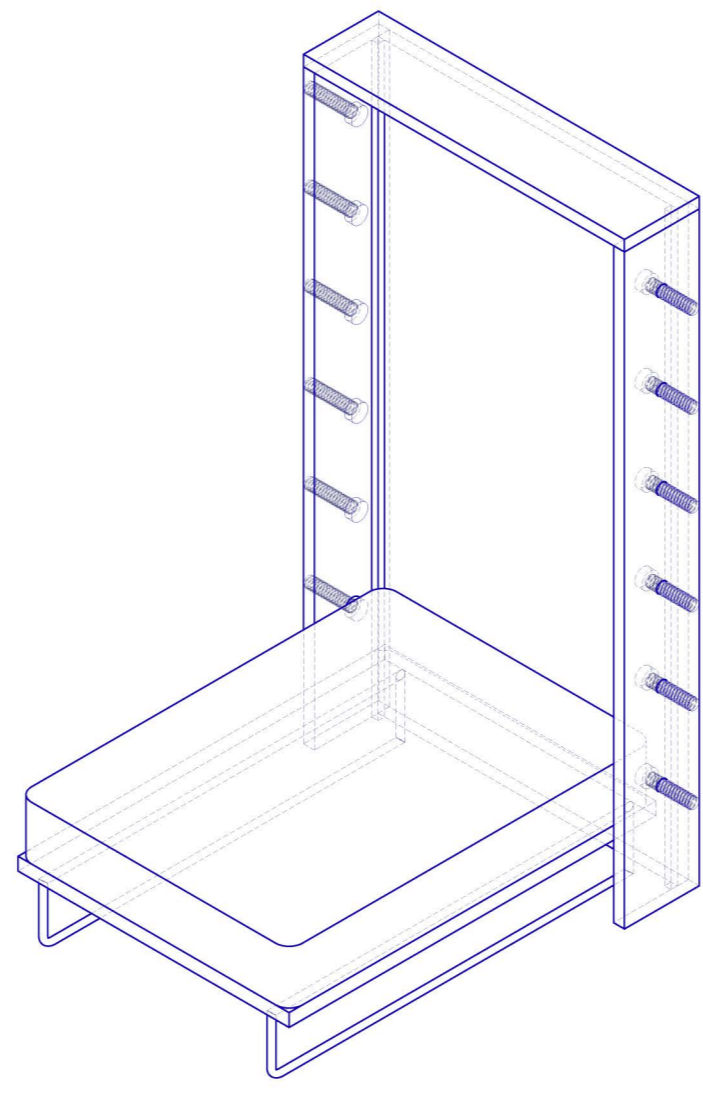


Door and Balcony Connection
Scale 1:5

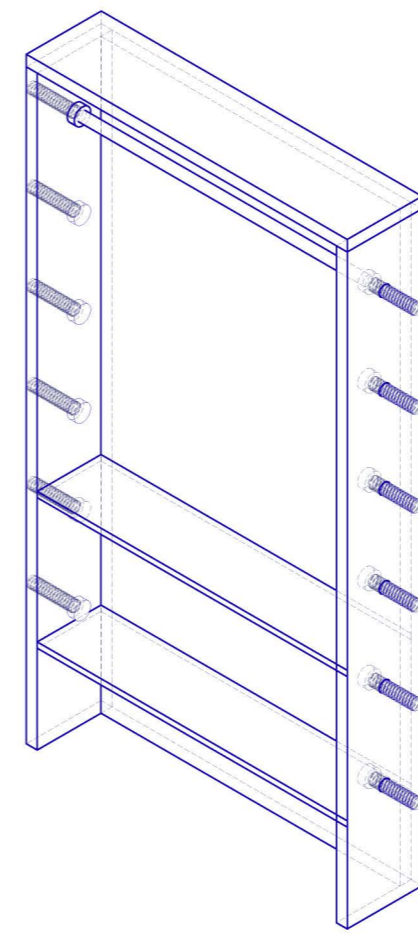
- | | | |
|--|---|--|
| 1. tiles on adjustable pedestal supports | 19. gypsum board finished ceiling | 38. window handle |
| 2. non-appropriative brick | 20. precast concrete edge beam | 39. vapor closed membrane barrier |
| 3. wire anchor ties with drip and cap detail, placed 300mm vertical and 500mm horizontal | 21. vertical reinforcement, located every 500 mm within the brick cavity | 40. appropriate brick y |
| 4. stone wool insulation 100mm | 22. stone wool insulation fully filled below cavity tray | 41. appropriate brick insert |
| 5. weep hole | 23. roller blind box with thermal insulation included | 42. street sidewalk |
| 6. vapor open water resistant membrane | 24. persiana blind | 43. vapor open water resistant membrane |
| 7. vertical reinforcement anchored to concrete | 25. appropriate insert | 44. insulation (150mm) protected with vapor barrier |
| 8. cavity tray to weep hole, with fully filled firestop insulation and sealant | 26. insulated timber frame with junctions sealed by silicone and polyethylene backing rod | 45. DPM to overlap DPC and lapped under wall |
| 9. horizontal movement joint system with compressible filler | 27. french door with double pane insulated glass | 46. air cavity |
| 10. XPS roof insulation board | 28. ceramic tile | 47. DPM and adhesive |
| 11. Waterproof membrane | 29. tile bond | 48. sand, compacted hardcore, dirt |
| 12. flashing, capping | 30. concrete screed | 49. lean mix cavity fill at least 225mm from end of insulation |
| 13. flexible bitumen polymer detailing sheet | 31. high density insulation | 50. concrete slab, 100mm |
| 14. masonry bracket angle support connection to concrete | 32. insitu concrete with reinforcement | 51. drain, perforated to remove groundwater |
| 15. masonry bracket angle support | 33. precast balcony with high density insulation | 52. offset strip foundation, 600mm wide, 750mm thick, located 1000m below ground level |
| 16. precast hollow core concrete slab (1200 x 200) | 34. precast cantilever balcony with vertical and horizontal reinforcement | 53. stonebackfill, to prevent water build-up |
| 17. masonry bracket angle support connection to concrete | 35. appropriate balcony railing | 54. reinforced concrete retaining wall |
| 18. suspended ceiling track | 36. precast cantilever balcony with vertical and horizontal reinforcement | 55. damp proof course, located at base of cavity |
| | 37. insulated frame with flexible seal for air barrier | |



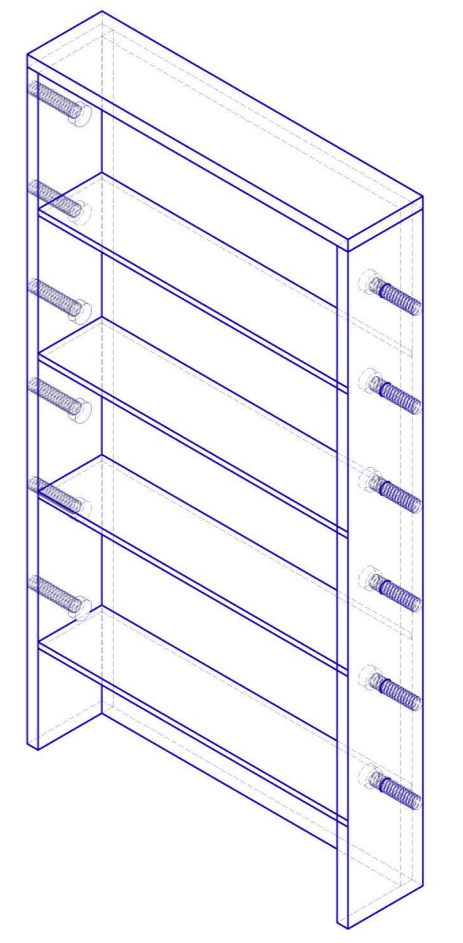
Threshold Insert A
Scale 1:25
curtain and rod attachment



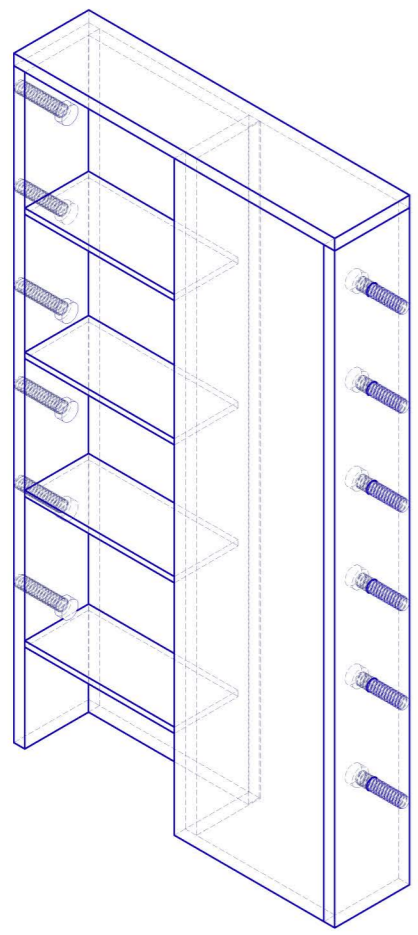
Threshold Insert B
Scale 1:25
wall bed attachment



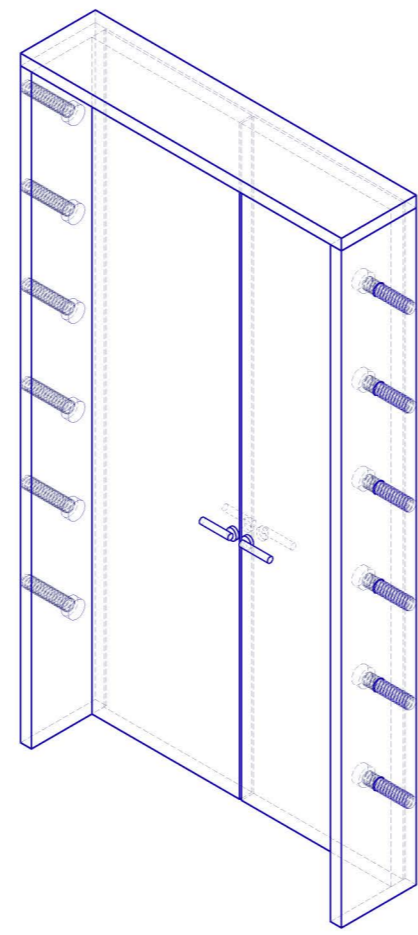
Threshold Insert C
Scale 1:25
rod and shelf configuration



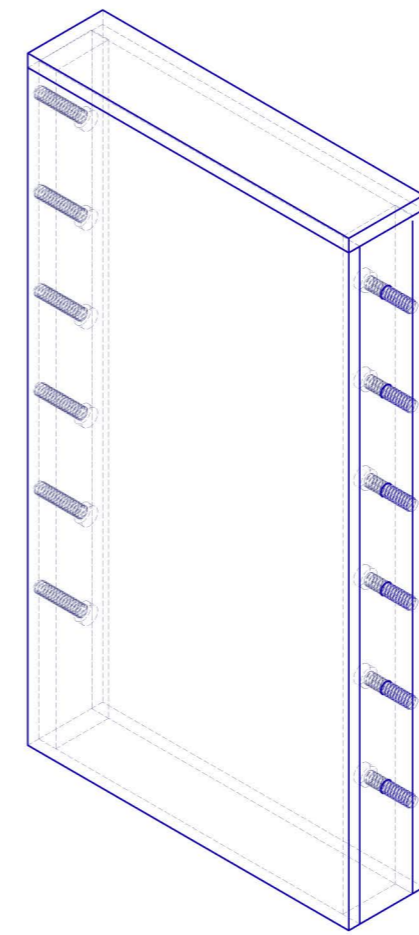
Threshold Insert D
Scale 1:25
shelf configuration



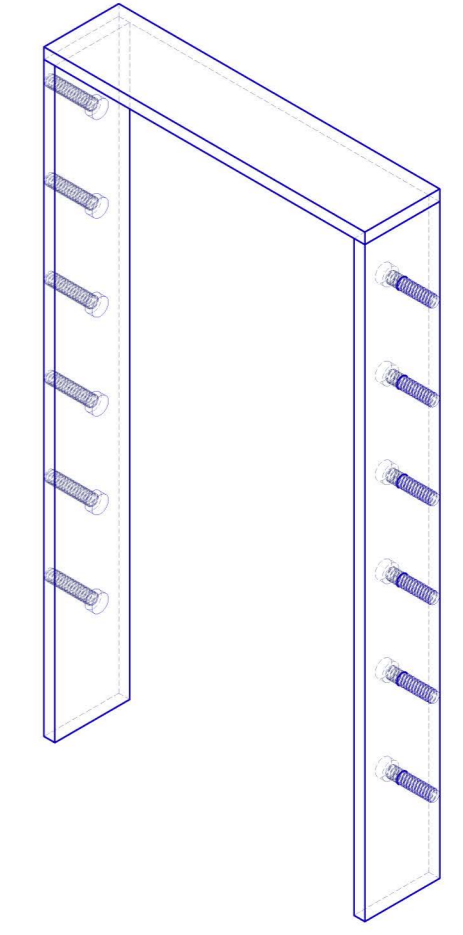
Threshold Insert E
Scale 1:25
shared shelving configuration



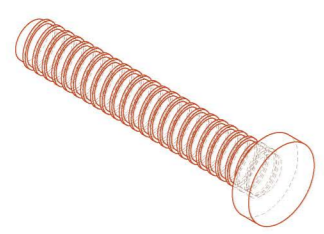
Threshold Insert F
Scale 1:25
doorway attachment



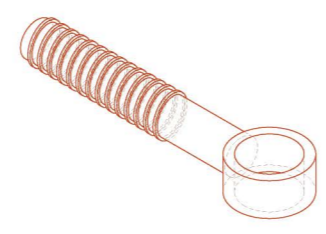
Threshold Insert G
Scale 1:25
maximal soundproof separation



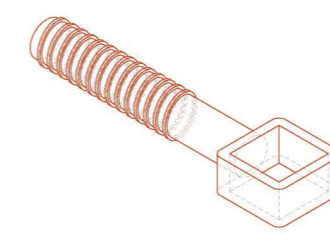
Threshold Insert H
Scale 1:25
threshold



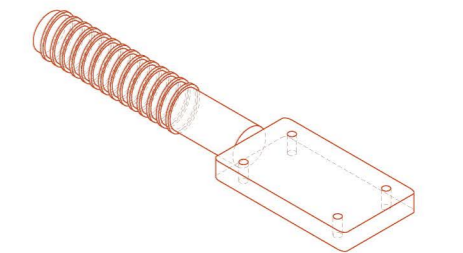
Brick Insert A
Scale 1:5
fastening bolt for threshold insert



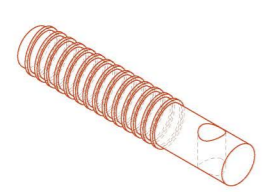
Brick Insert B
Scale 1:5
circular hanging wall insert



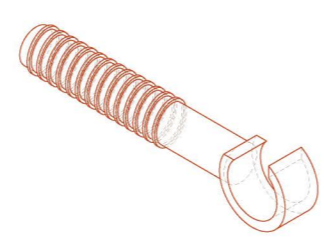
Brick Insert C
Scale 1:5
square hanging wall insert



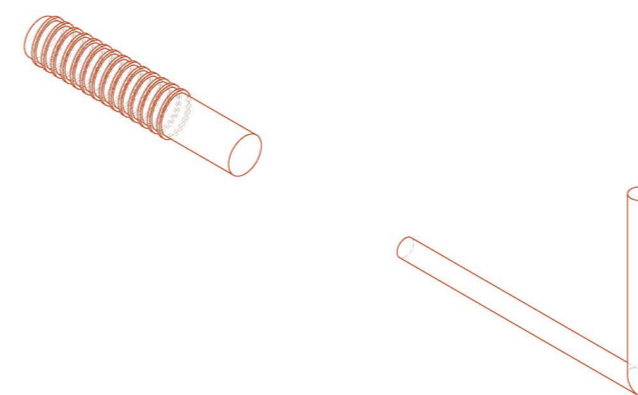
Brick Insert D
Scale 1:5
shelving plate wall insert



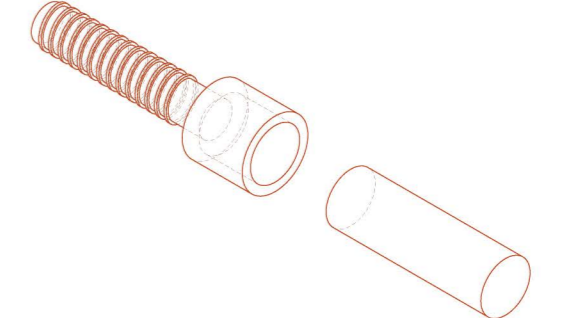
Brick Insert E
Scale 1:5
hole aperture hanging wall insert



Brick Insert F
Scale 1:5
hook hanging wall insert

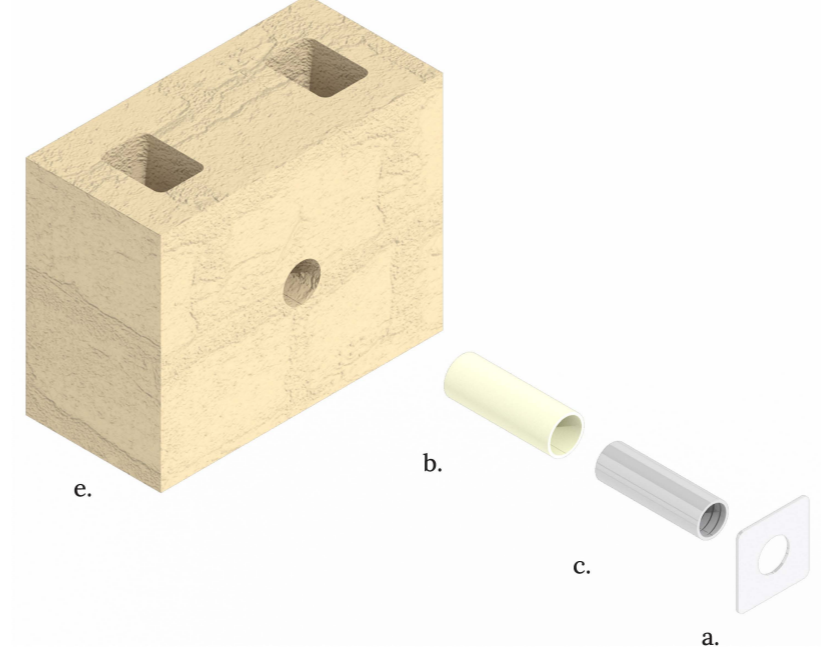
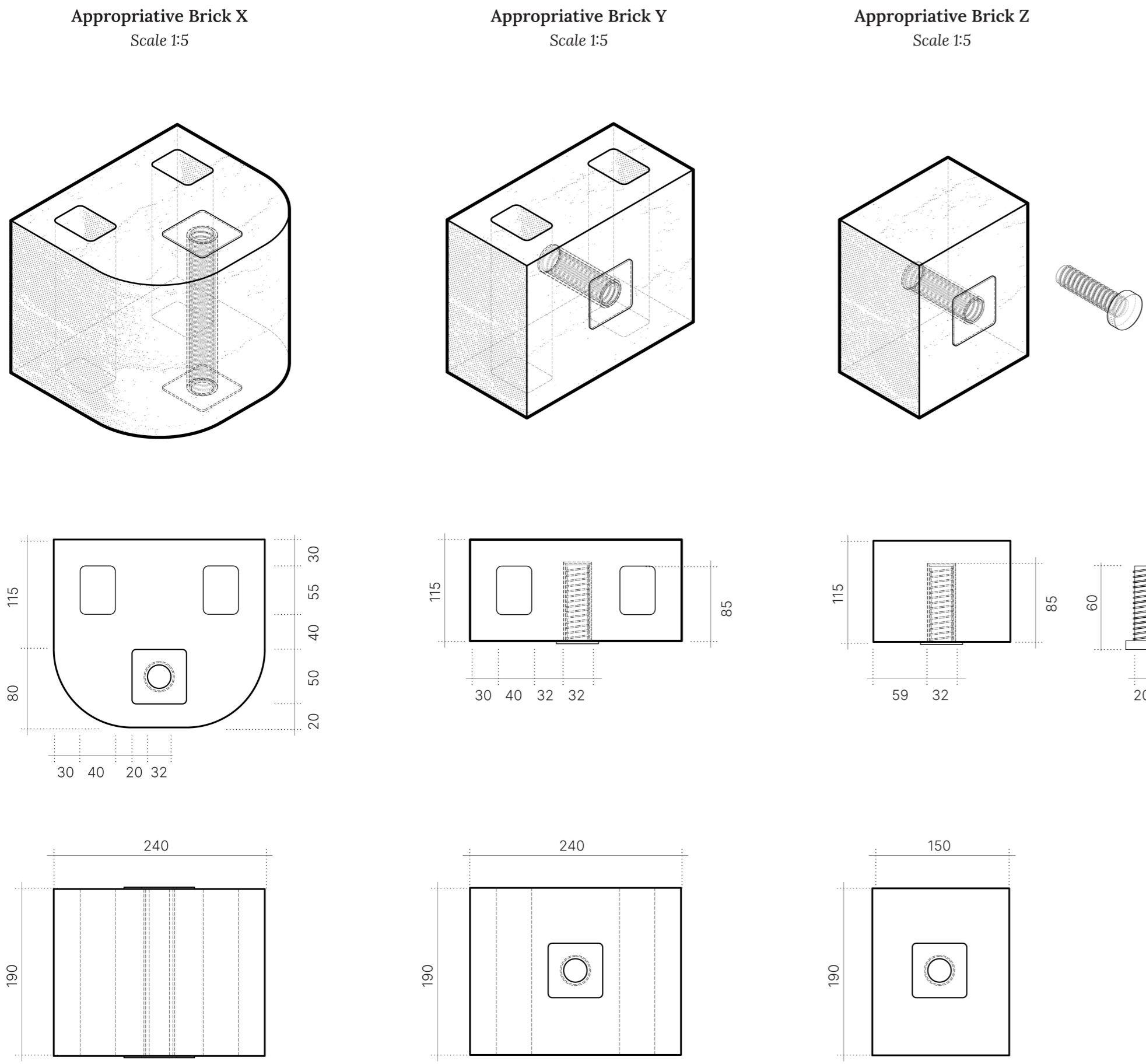


Brick Insert G
Scale 1:5
steel attachment hanging wall insert

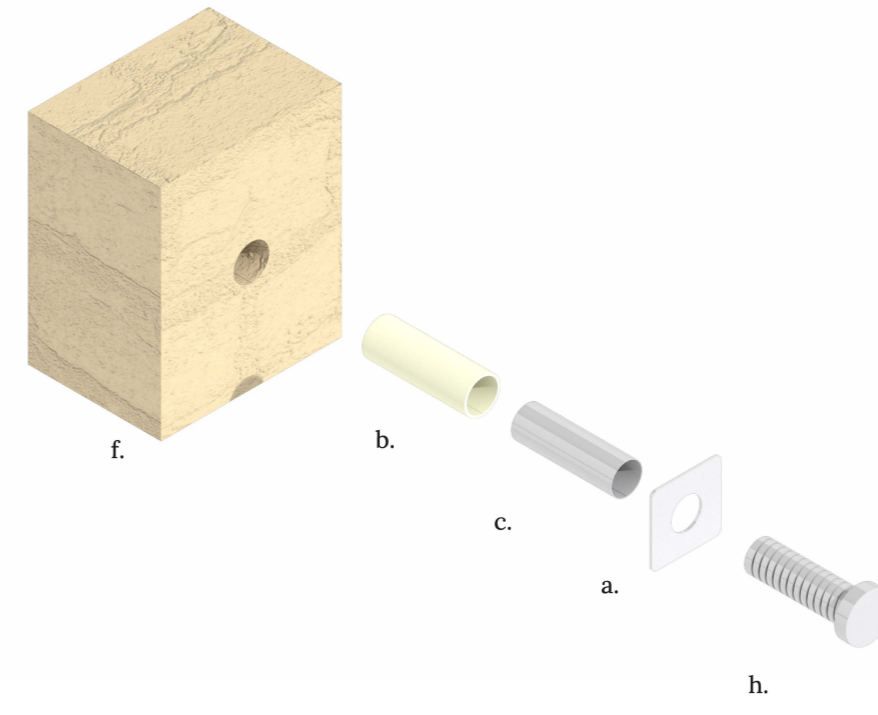


Brick Insert H
Scale 1:5
wooden dowel insert hanging wall insert

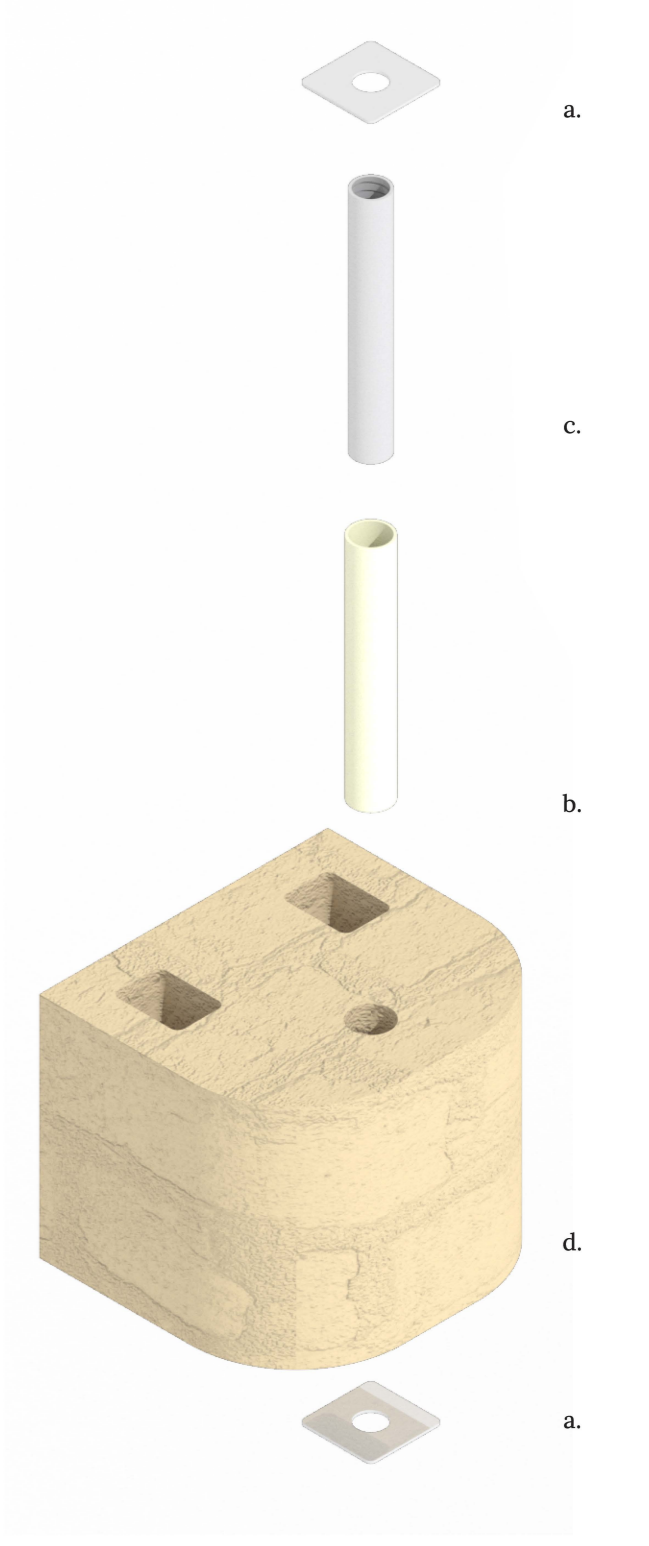
Appropriative Brick



Exploded Isometric Appropriative Brick Y
Scale 1:5



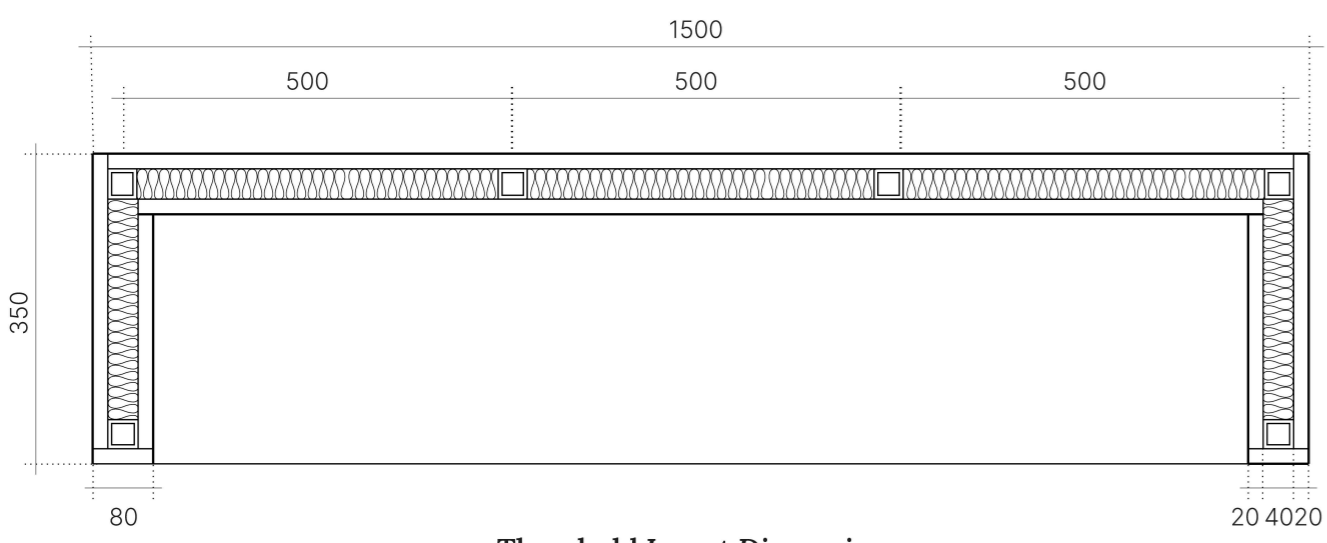
Exploded Isometric Appropriative Brick Z
Scale 1:5



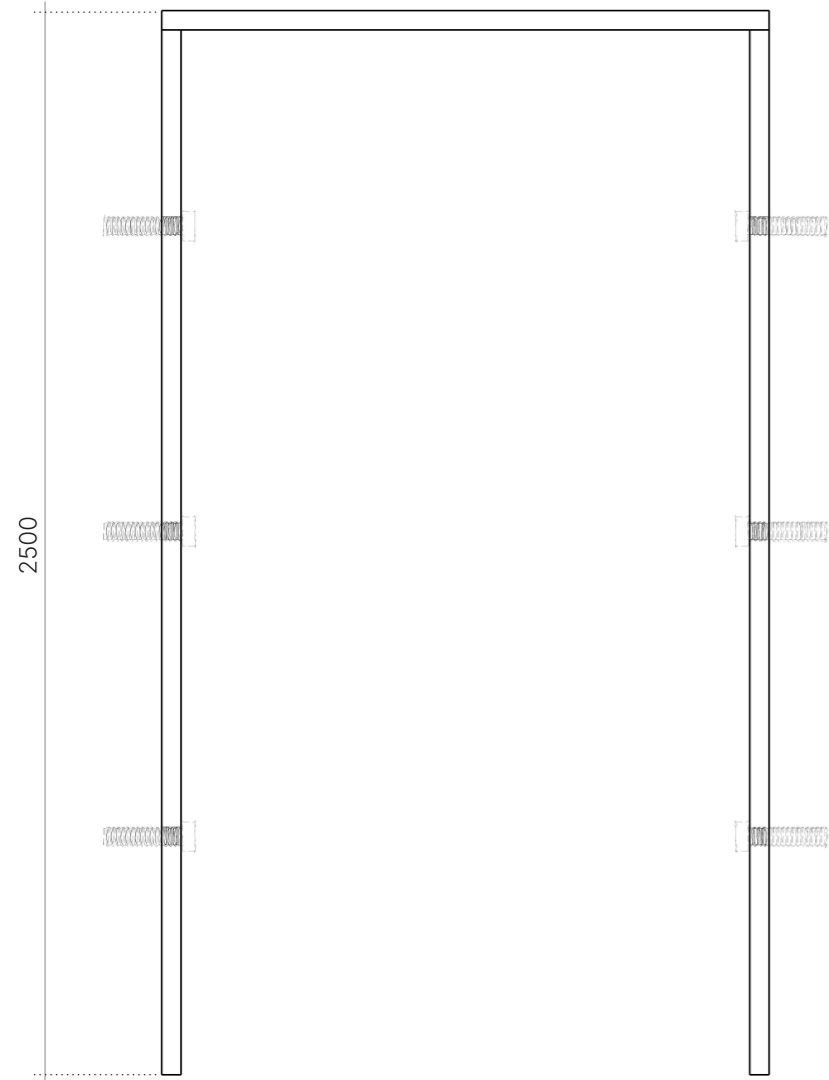
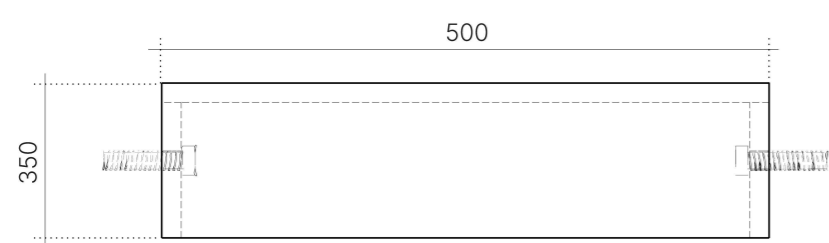
Exploded Isometric Appropriative Brick X
Scale 1:5

- a. stainless steel cap 2mm thick, 20mm frame, 20mm circular aperture
- b. silicone layer for expansion, 3mm thick bonded to brick with waterproof and flexible adhesive
- c. stainless steel blind rivet nut with threaded shaft to match bolt insert
- d. appropriative brick "x", 240 x 215 x 190mm (l x w x h), 32mm cylindrical cavity
- e. appropriative brick "y", 240 x 115 x 190mm (l x w x h), 32mm cylindrical cavity
- f. appropriative brick "z", 240 x 115 x 190mm (l x w x h), 32mm cylindrical cavity
- h. stainless steel bolts with cylindrical head, for threshold insert fastener

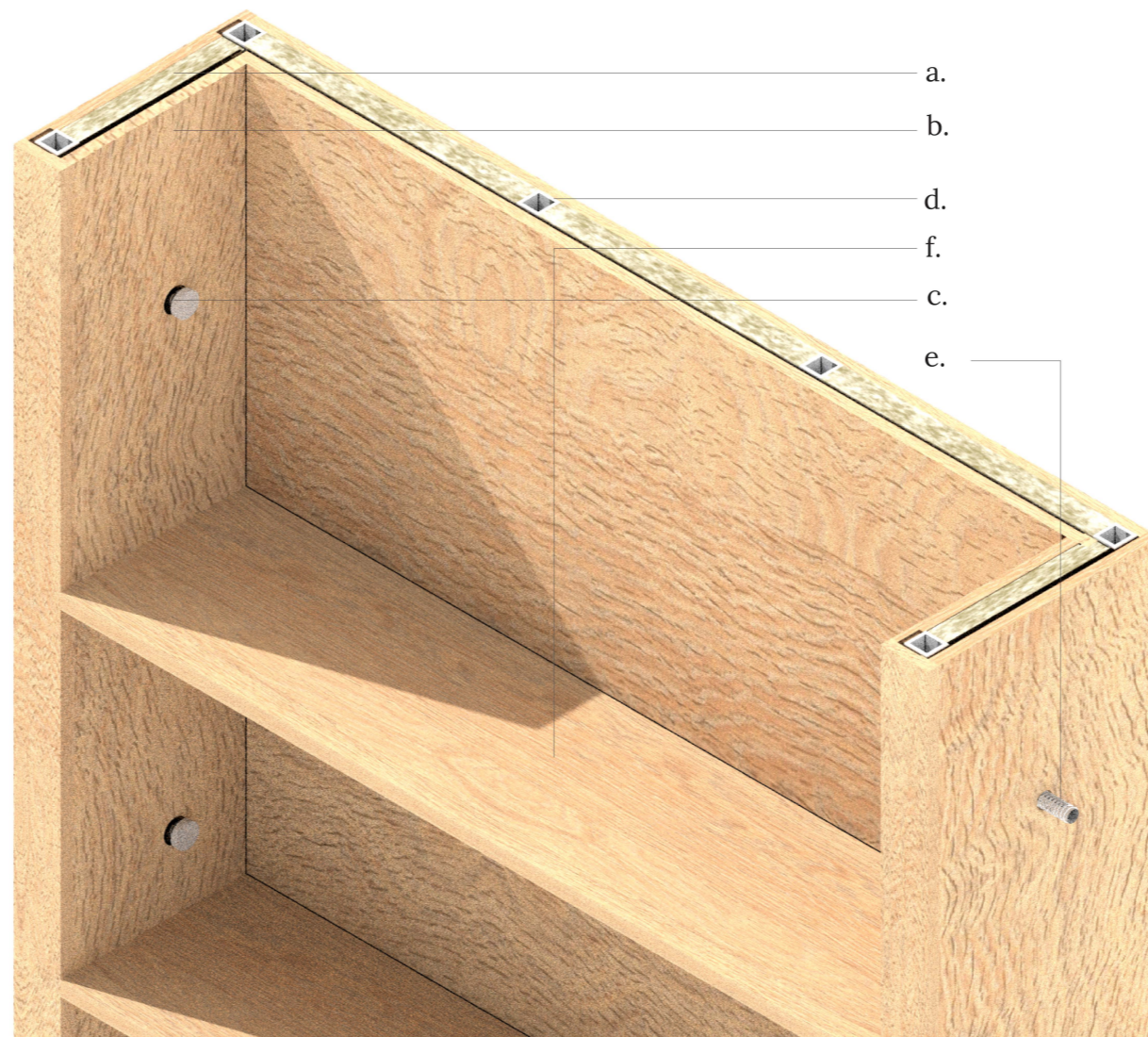
Appropriative Threshold



Threshold Insert Dimensions
Scale 1:10

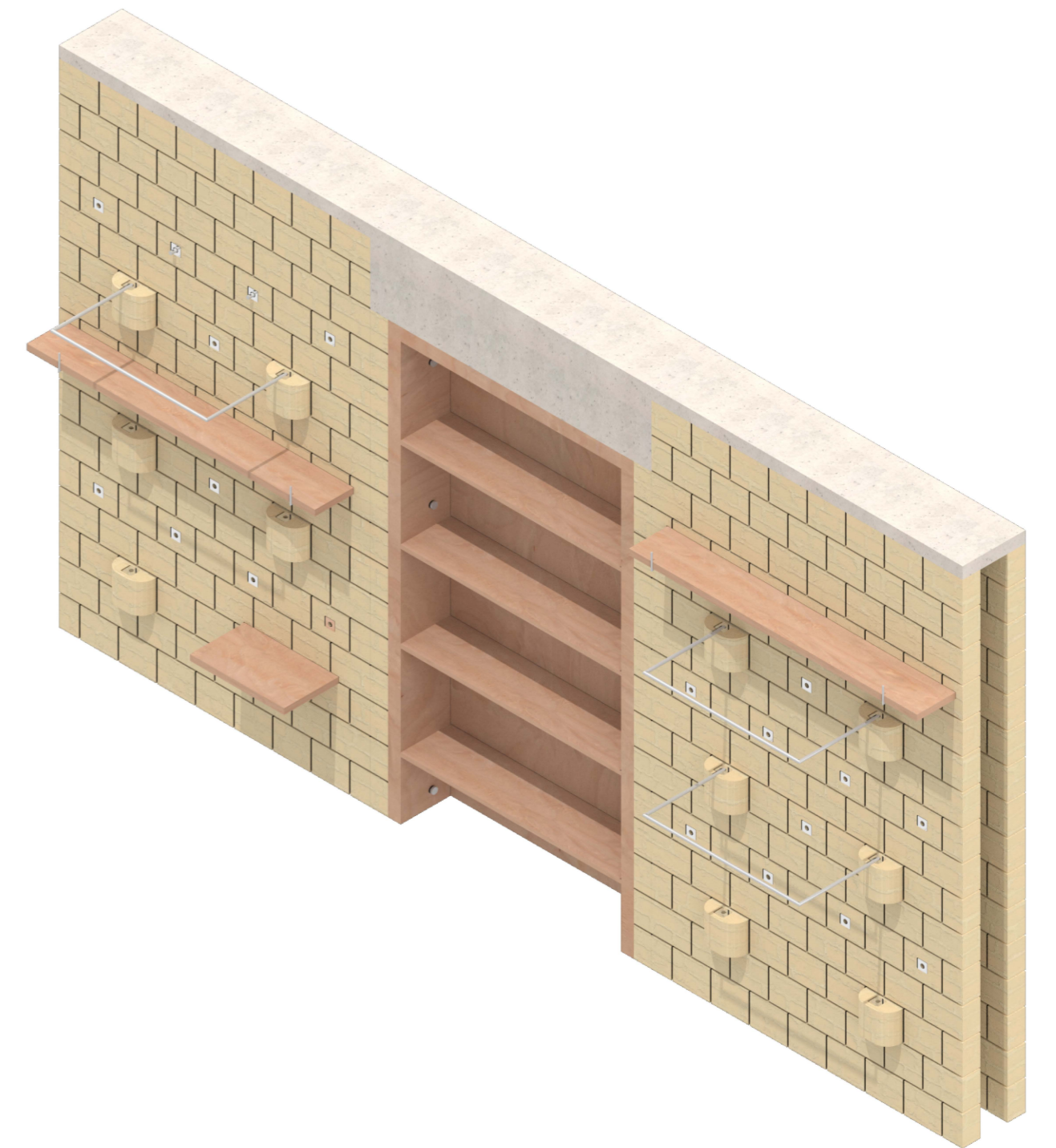


Threshold Insert Plan and Elevation
Scale 1:50

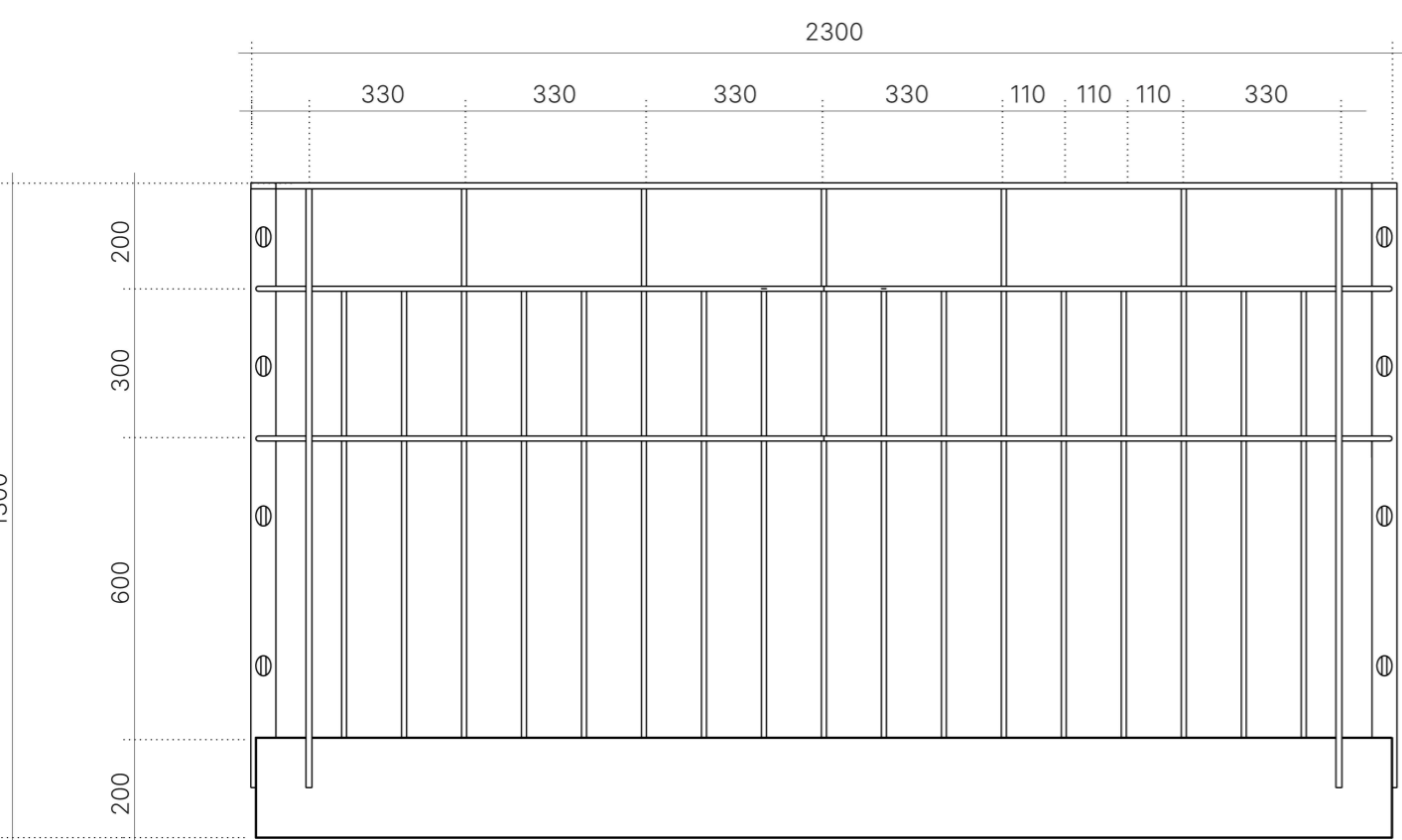


Threshold Insert Assembly
Scale 1:5

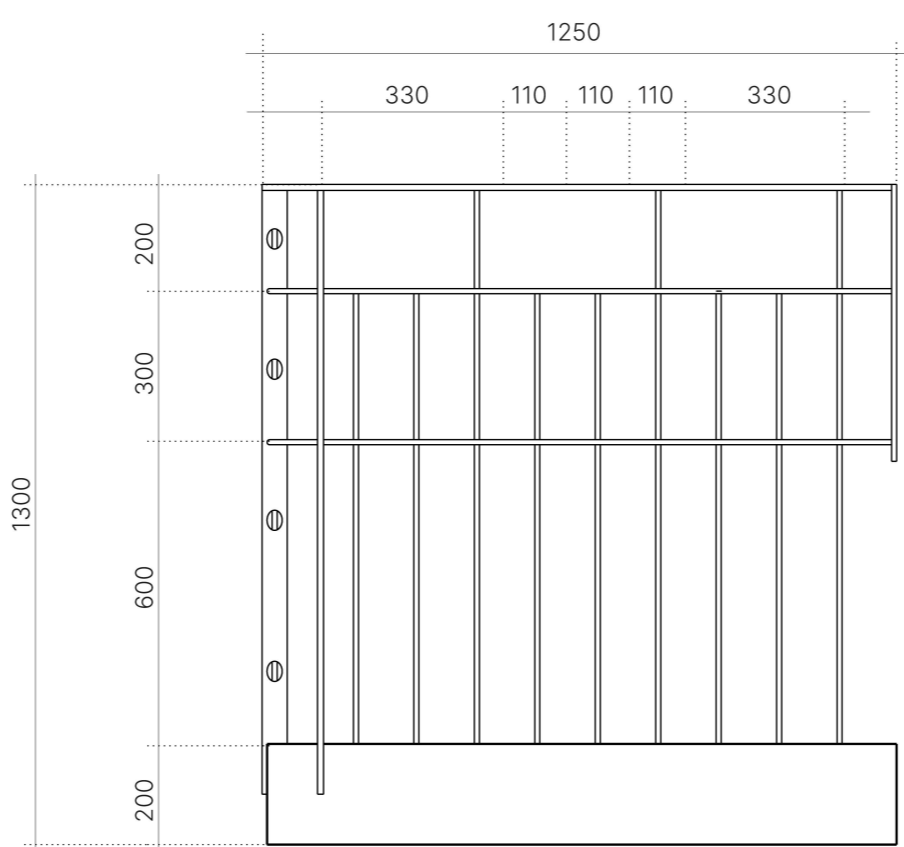
- a. fire-retardant acoustic felt, 40mm thick
- b. plywood with water repellant varnish, 20mm thick wood
- c. stainless steel bolts with cylindrical head
- d. light gauge steel frame, 5mm thick, with 20mm square aperture
- e. stainless steel screw threaded insert embedded into appropriative brick "x"
- f. wood shelf, modifiable by resident
- g. cavity for bolt insert, 25mm diameter hole



Threshold Insert Isometric in Context
Scale 1:100



Threshold Insert Plan and Elevation
Scale 1:50

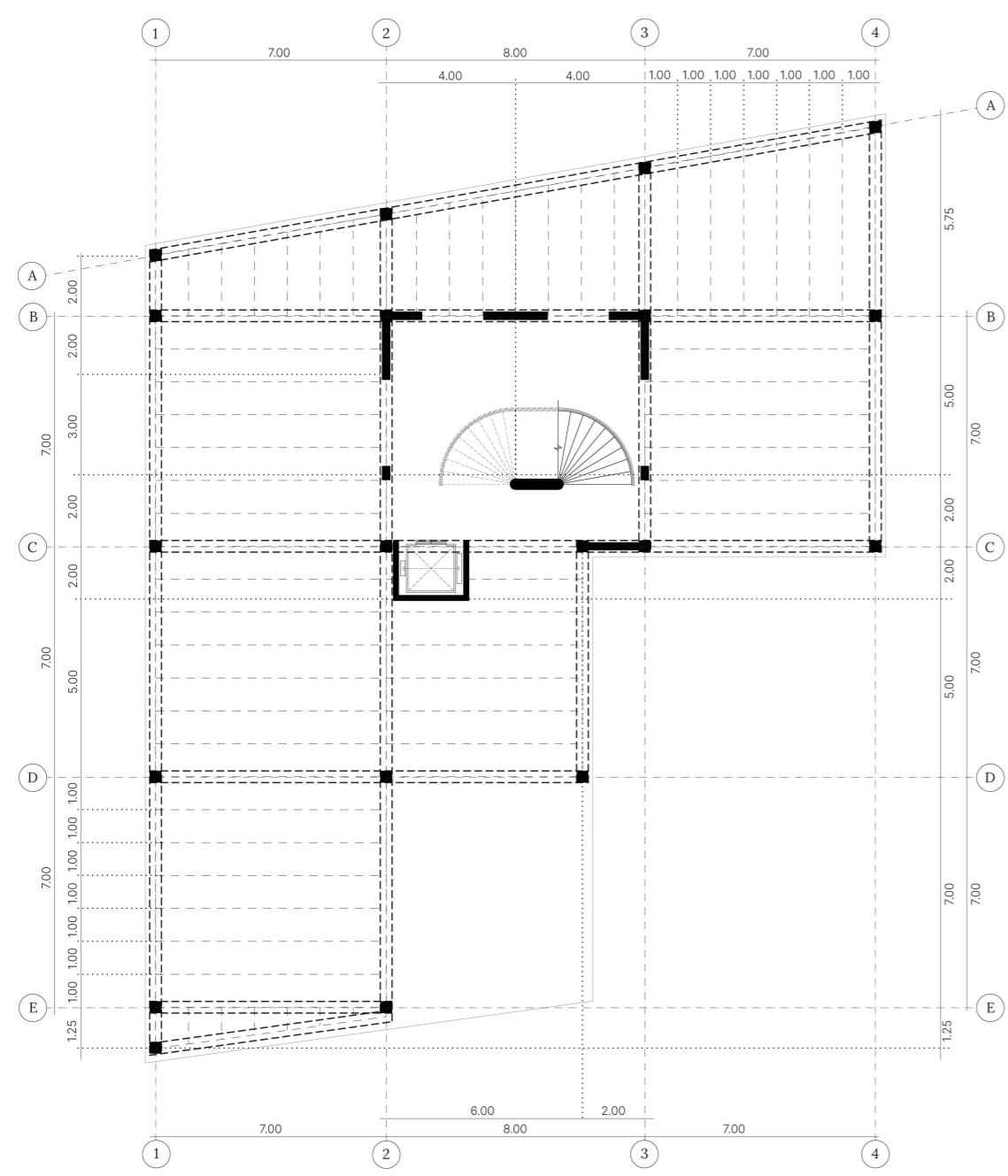


Threshold Insert Plan and Elevation
Scale 1:50

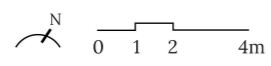


Threshold Insert Isometric in Context
Scale 1:100

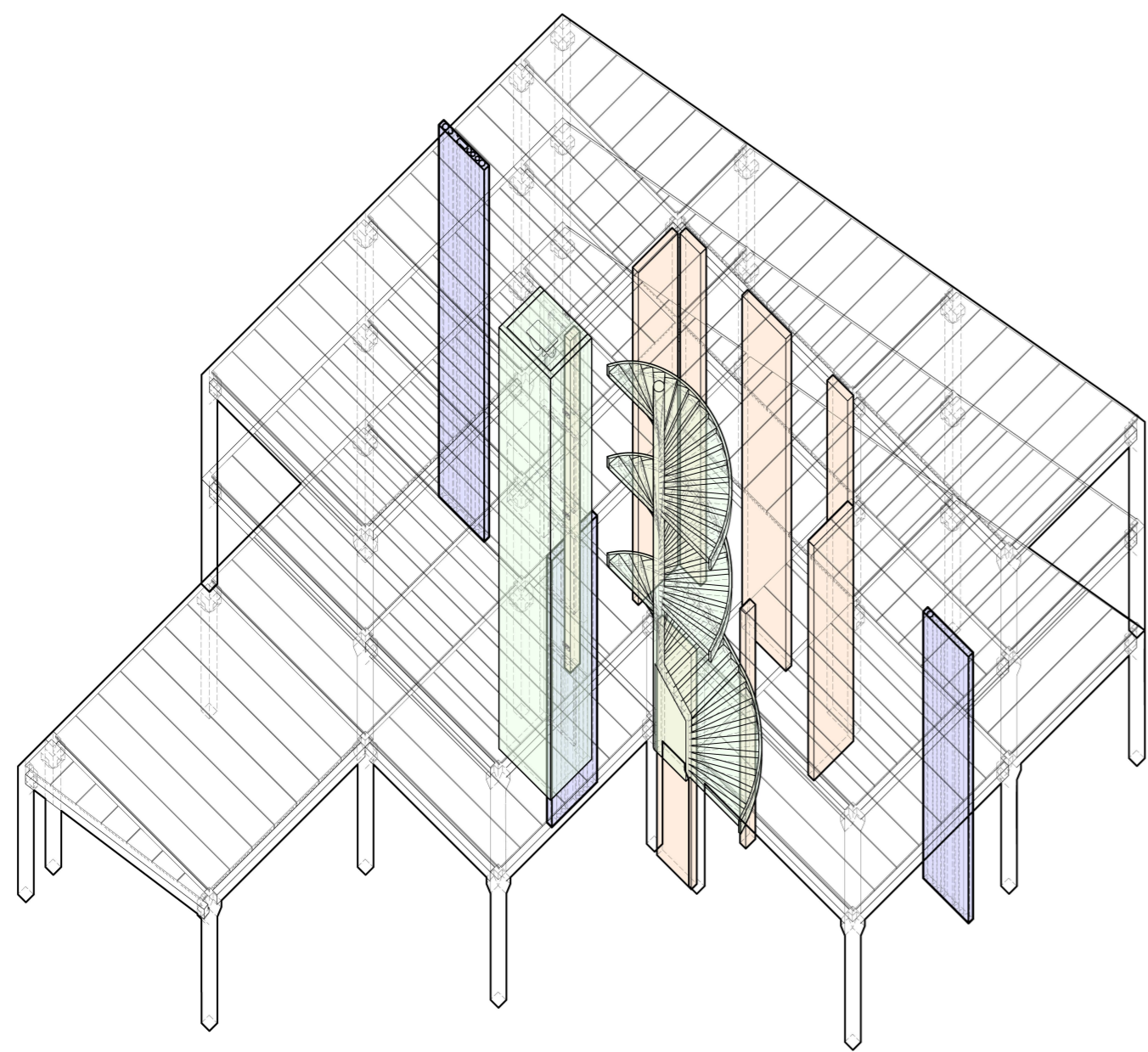
Appropriative Balcony



Column Layout Plan
Scale 1:200

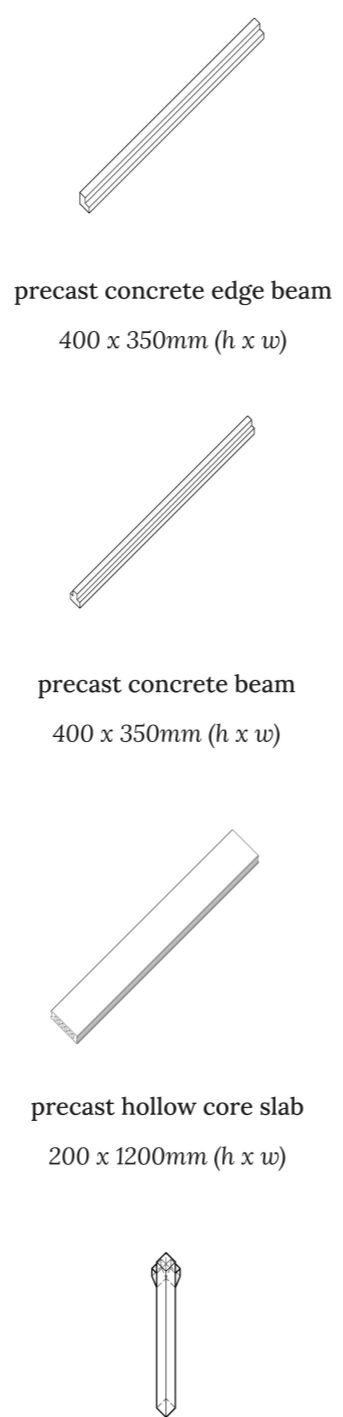


- precast concrete column / shear wall
- precast concrete beams
- precast concrete hollow core slabs



Building Structural Assembly Axonometric
Scale 1:200

- circulation (elevator and stair)
- services (electrical, plumbing, and mechanical systems)
- shear walls

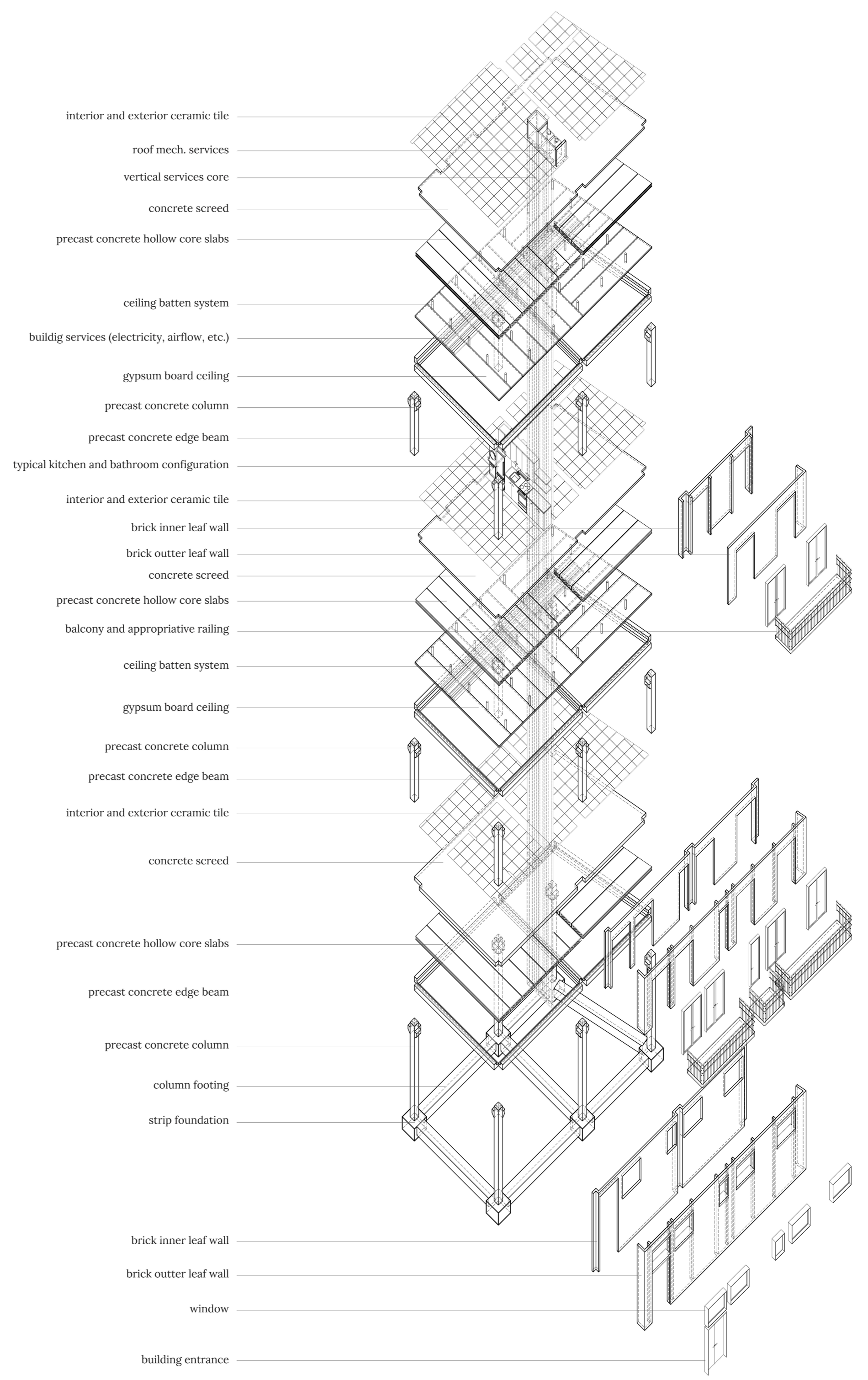


precast concrete edge beam
400 x 350mm (h x w)

precast concrete beam
400 x 350mm (h x w)

precast hollow core slab
200 x 1200mm (h x w)

precast concrete column
350 x 350mm (l x w)

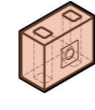
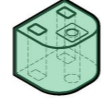


- interior and exterior ceramic tile
- roof mech. services
- vertical services core
- concrete screed
- precast concrete hollow core slabs
- ceiling batten system
- building services (electricity, airflow, etc.)
- gypsum board ceiling
- precast concrete column
- precast concrete edge beam
- typical kitchen and bathroom configuration
- interior and exterior ceramic tile
- brick inner leaf wall
- brick outer leaf wall
- concrete screed
- precast concrete hollow core slabs
- balcony and appropriate railing
- ceiling batten system
- gypsum board ceiling
- precast concrete column
- precast concrete edge beam
- interior and exterior ceramic tile
- concrete screed
- precast concrete hollow core slabs
- precast concrete edge beam
- precast concrete column
- column footing
- strip foundation
- brick inner leaf wall
- brick outer leaf wall
- window
- building entrance

Architecture Exploded Construction Axonometric
Scale 1:200



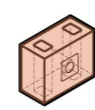
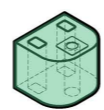
Elevation Calle de Rodas
Scale 1:100



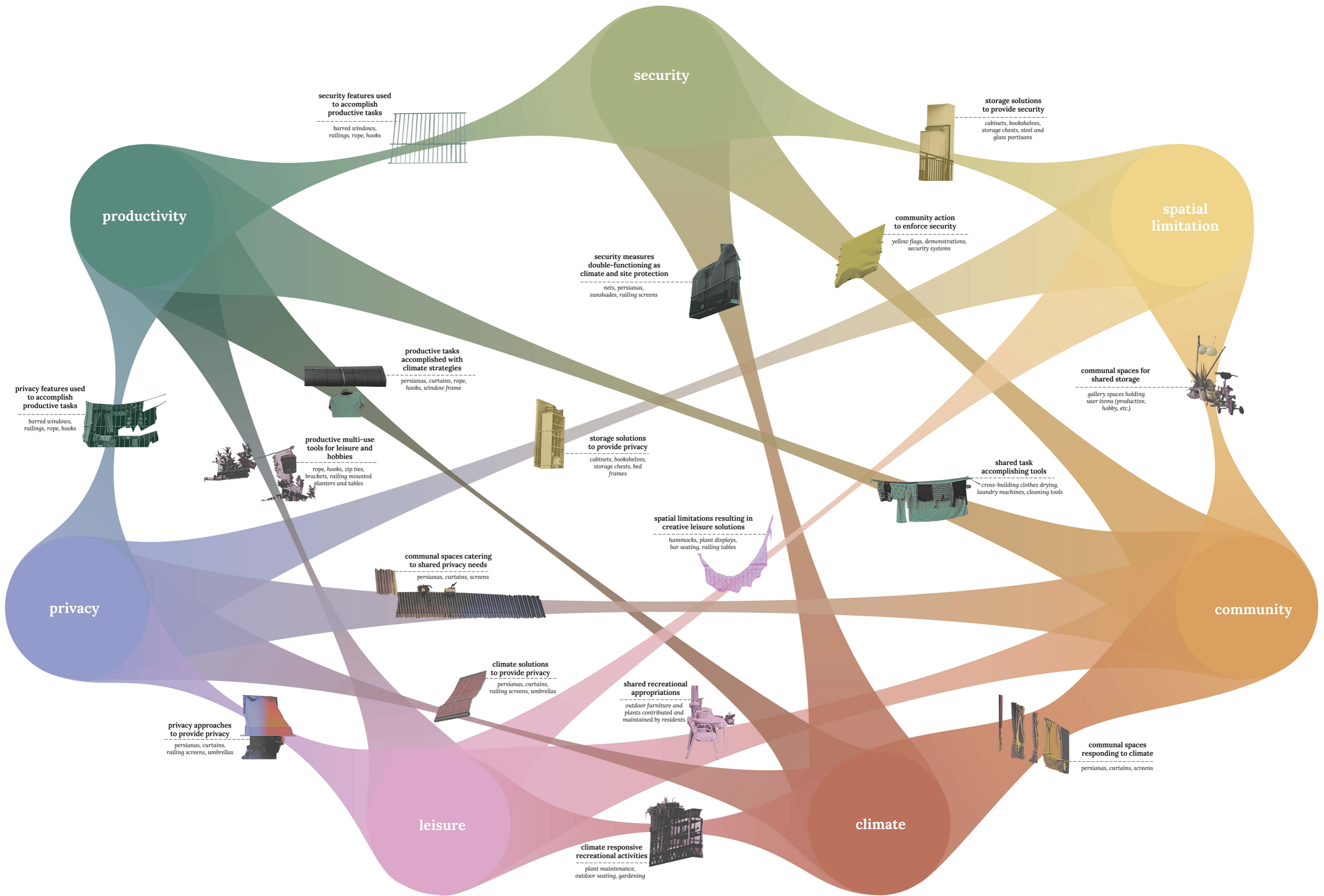
appropriate brick x appropriate brick y



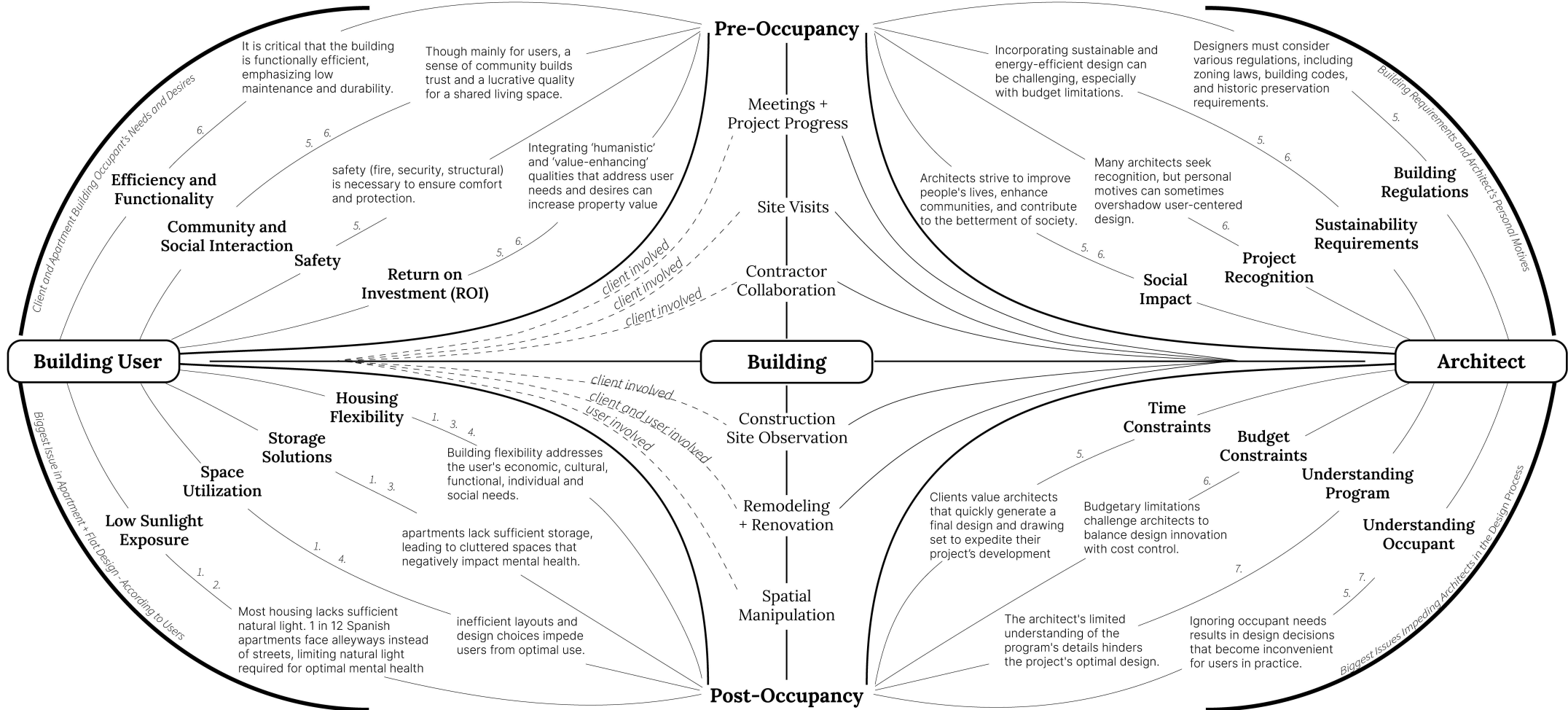
Elevation Calle de Los Embajadores
Scale 1:100



appropriate brick x appropriate brick y



The Architect and User Relationship to the Building
 Diagram illustrating the interdependence of the architect, client, and user through their mutual exchange of expertise and construction factors



1. FEMA, *Building Codes Save: A Nationwide Study Losses Avoided as a Result of Adopting Hazard-Resistant Building Codes by US Dept. of Homeland Security*, 2020

2. Brownell, Blaine. "Are Building Codes Keeping Us From a Greener Built Environment?" *Architect Magazine*, 14 Dec. 2022, www.architectmagazine.com/Design/are-building-codes-keeping-us-from-a-greener-built-environment_o.

3. Russo, Michael. "AIA Architect: Do Current Building Codes Make for Resilient Buildings?" *Architect Magazine*, www.architectmagazine.com/aia-architect/aianow/do-current-building-codes-make-for-resilient-buildings_o.

4. "The Well Building Standard V1 with May 2016 Agenda." WELL Certified, standard.wellcertified.com/sites/default/files/The WELL Building Standard v1 with May 2016 addenda.pdf.

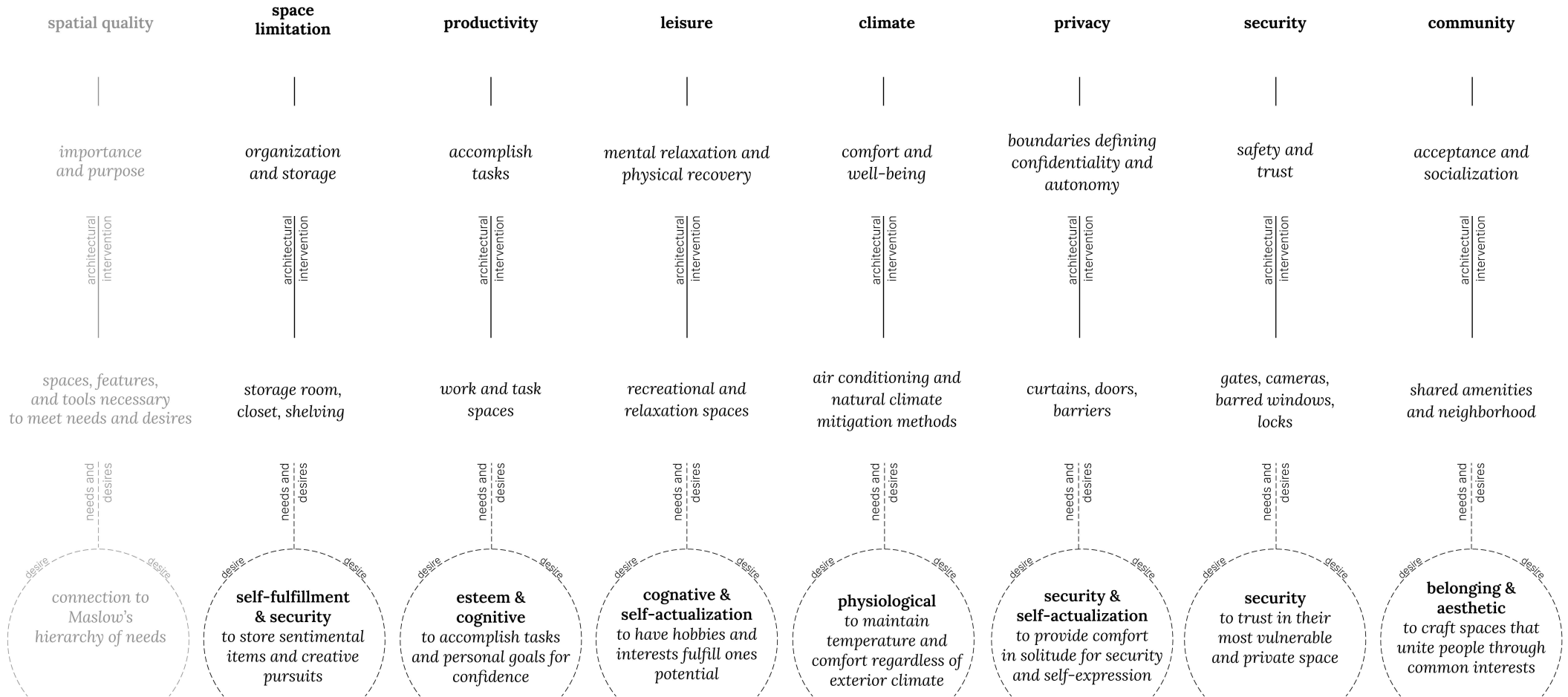
5. Franck, Karen and Lepori, Bianca. *Architecture Inside Out*. Academy Edition ed. Wiley, 2000.

6. Pressman, Andy. *Curing The Fountain Headache: How Architects And Their Clients Communicate*. 2nd ed., Sterling Publishing Co., 2006.

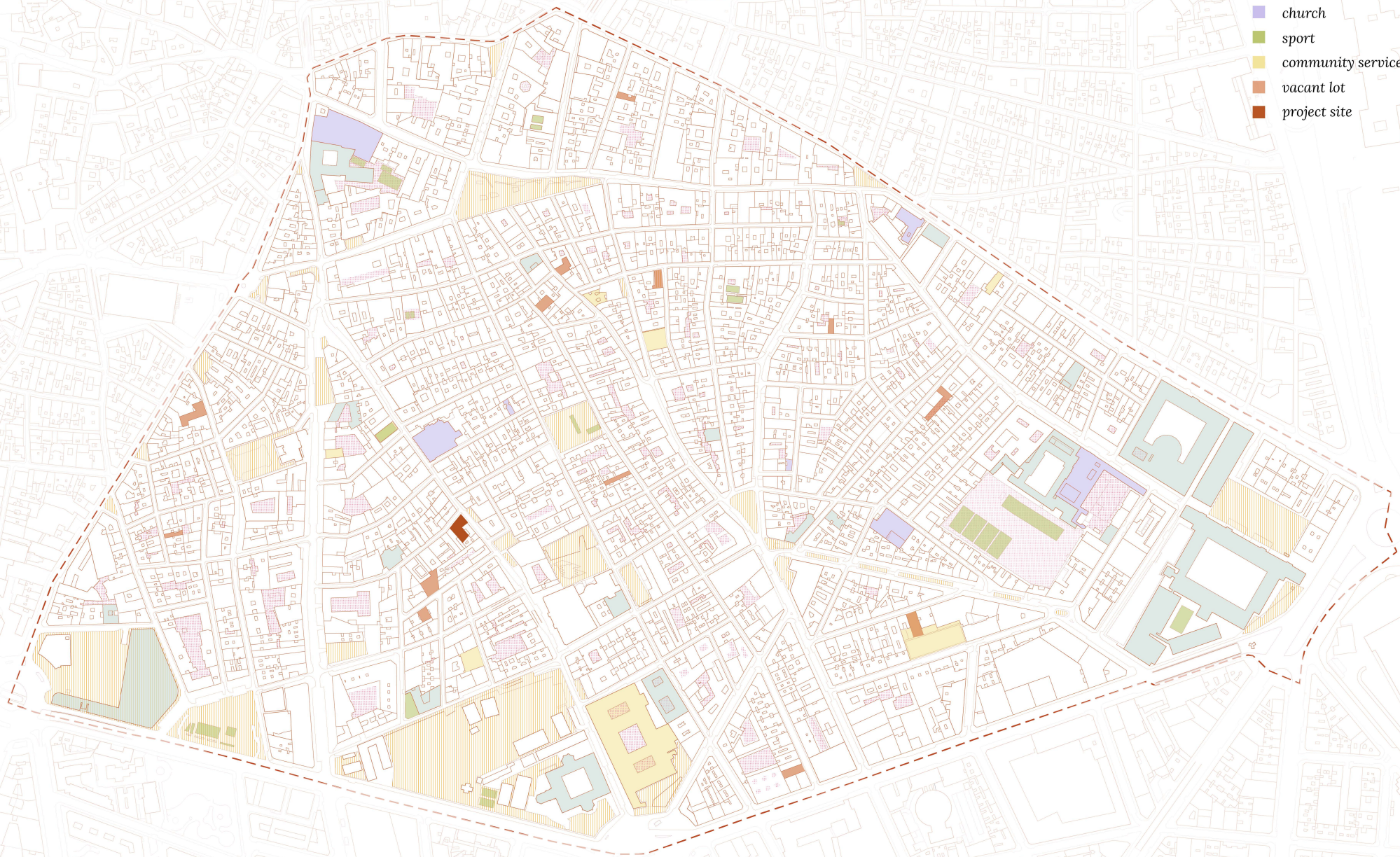
7. Oseland, Nigel. *A Practical Guide to Post-Occupancy Evaluation and Researching Building User Experience*. Routledge, 2024.

The Seven Spatial Qualities Applied to Maslow's Hierarchy of Needs

The research identifies seven key reasons for appropriation, and this diagram applies them to the architectural context to demonstrate how they meet human needs and desires.



- private outdoor space
- public outdoor space
- school
- church
- sport
- community service
- vacant lot
- project site



Lavapiés Neighborhood Site Analysis
scale 1:5000