

SITE AT LARGE

THE SELECTION OF VARIOUS REFERENCES
AND ICONS IN BUCHAREST.

THE SELECTION AN ECLECTIC VARIETY OF
HETEROGENEOUS SPACES.

THE ONLY REQUISITE BEING THAT THE
SPACE EXISTS AS ACCESSIBLE TO BOTH
TYPES OF SOCIETY.

WHICH SUGGESTS THE POSSIBILITY OF
AMBIGUITY THAT EXISTS WITHIN THE
PERCEPTION OF THESE SPACES BY THE
DIFFERENT GROUPS.

- GARA DE NORD
- POLITEHNICA
- CAROL PARK
- ROMANIAN ATHENAEUM
- PALACE OF THE PEOPLE
- ANTIM MONASTERY
- TURNUL DE ARTA
- AGRA DE DORN
- PLITEHONICA
- COARL PRAK
- RMANIOAN ATNHEAUEM
- PLACE FOE PEARPOLE
- TART AND RULE
- GEND AR ROAD
- POLICEHTHINA
- ROAR PACK
- ROAMIN

- ENFORCED HISTORIES
- PARK
- RELIGIOUS ICON
- TRANSPORT FIXTURE
- CULTURAL RESISTANCE
- PRESCRIBED CULTURE

1km
0

SITE PLAN

SITE
1:500

STRADA CONSTANTIN BALACESCU

STRADA RATIU

STRADA COSTACHE ARISTRA

STRADA HARICLEA DARCEE

STRADA WITTING

TO GARA DE NORD

TO GARA DE NORD

TO GARA DE NORD

CALEA PLEVNEI

POLITENICI

PLACE OF THE PEOPLE

CAROL DAVID

ARMED FORCES

ARMED FORCES

ARMED FORCES



PARK



HOSPITAL

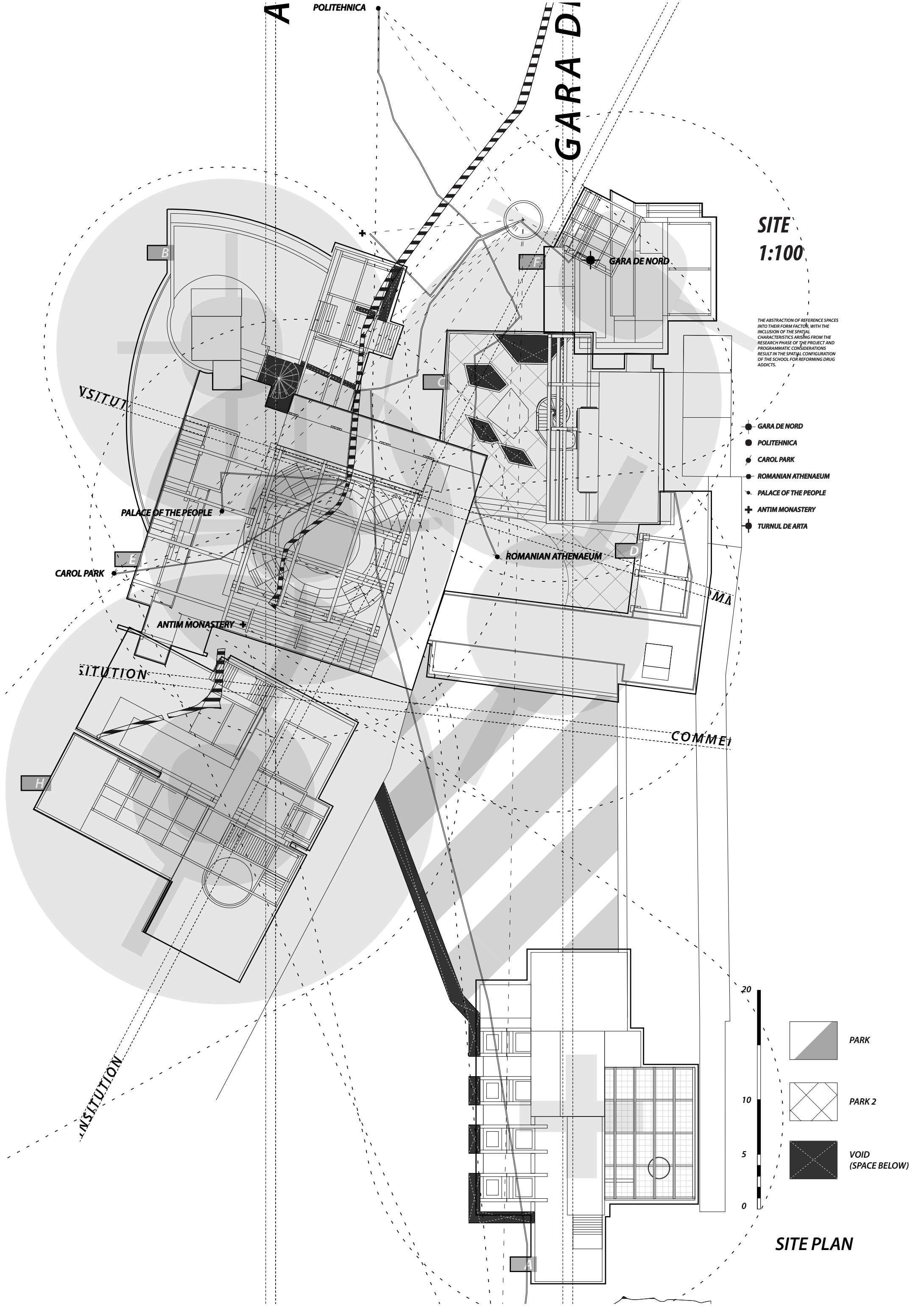


INSITUTIONAL

0

20

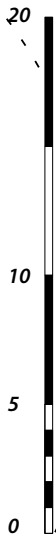
100M






SITE
1:100

THE ABSTRACTION OF REFERENCE SPACES INTO THEIR FORM FACTOR, WITH THE INCLUSION OF THE SPATIAL CHARACTERISTICS ARISING FROM THE RESEARCH PHASE OF THE PROJECT AND PROGRAMMATIC CONSIDERATIONS RESULT IN THE SPATIAL CONFIGURATION OF THE SCHOOL FOR REFORMING DRUG ADDICTS.

- GARA DE NORD
- POLITEHNICA
- CAROL PARK
- ROMANIAN ATHENAEUM
- PALACE OF THE PEOPLE
- ✦ ANTIM MONASTERY
- TURNUL DE ARTA



-  PARK
-  PARK 2
-  VOID (SPACE BELOW)

SITE PLAN

0+X
1:100

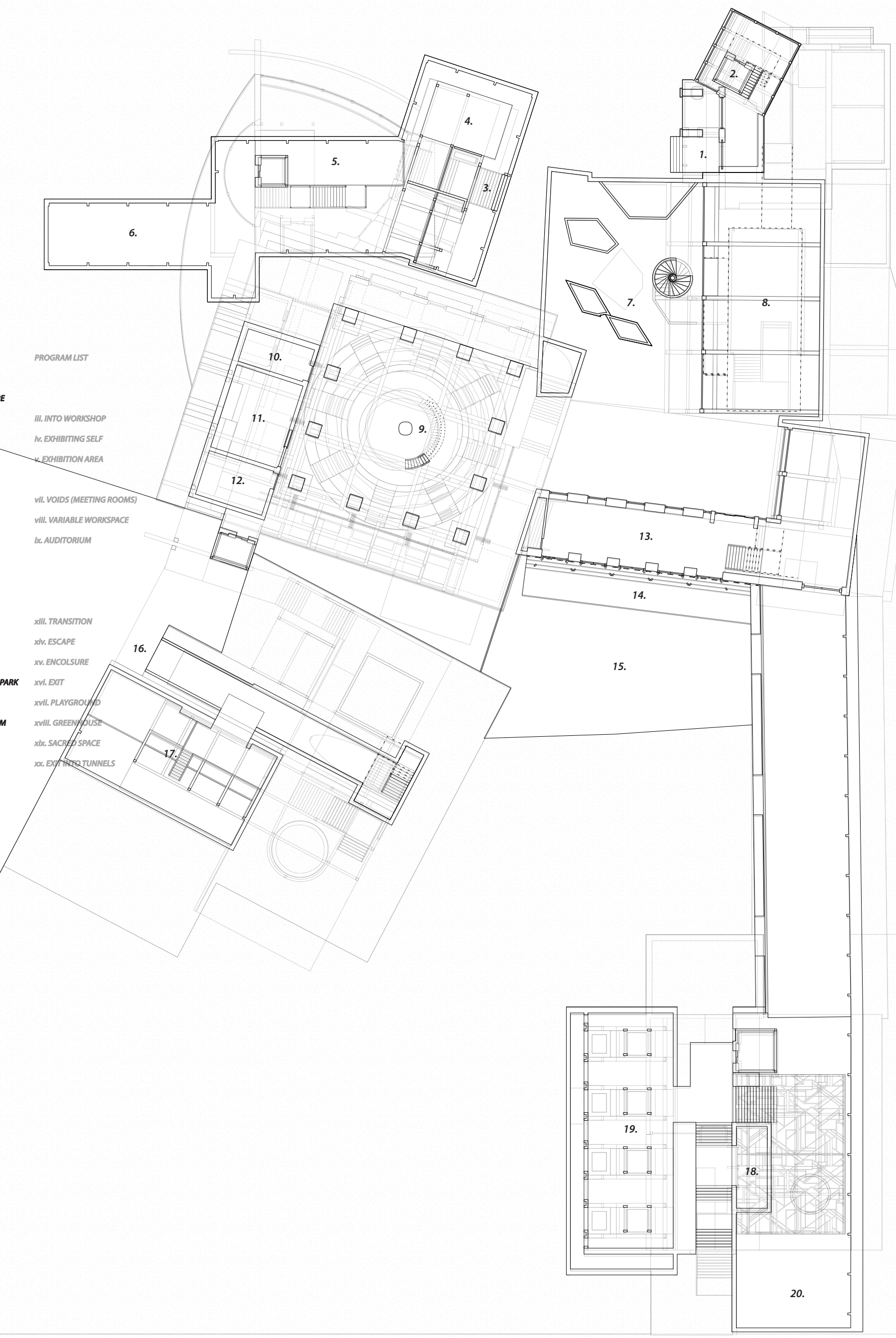
BASEMENT LEVEL X (WHERE X = 11240mm)
PROGRAMS AND CIRCULATION THOUGH
SEEMINGLY SEPARATE, TELEPORT ONE
IN AND ABOUT THE SITE, AND IS
COMPOSED WITH A VARIETY OF HEIGHT
AND LEVEL DIFFERENCES, SUSPENDING
THE TOTALITARIAN DISJUNCTION THAT
EXISTS IN THE NORM.

PROGRAM LIST

- 1. OFFICE LOBBY
- 2. OFFICE CIRCULATION CORE
- 3. GENERAL ENTRY
- 4. WAITING AREA
- 5. WORKSHOP SPACE
- 6. MACHINE / SERVICE AREA
- 7. OUTDOOR SEATING AREA
- 8. PADDLE COURT
- 9. CANTEEN
- 10. MALE TOILET
- 11. KITCHEN
- 12. FEMALE TOILET
- 13. CLASSROOMS
- 14. BALCONY AREA
- 15. PARK
- 16. ENTRY FROM OUTDOOR PARK
- 17. WORKSHOP AREA
- 18. NEEDLE EXCHANGE ROOM
- 19. WORKSHOP AREA
- 20. ENTRY VIA TUNNELS

PROGRAM LIST

- iii. INTO WORKSHOP
- iv. EXHIBITING SELF
- v. EXHIBITION AREA
- vii. VOIDS (MEETING ROOMS)
- viii. VARIABLE WORKSPACE
- ix. AUDITORIUM
- xiii. TRANSITION
- xiv. ESCAPE
- xv. ENCLOSURE
- xvi. EXIT
- xvii. PLAYGROUND
- xviii. GREENHOUSE
- ix. SACRED SPACE
- xx. EXIT INTO TUNNELS



0+Y
1:100

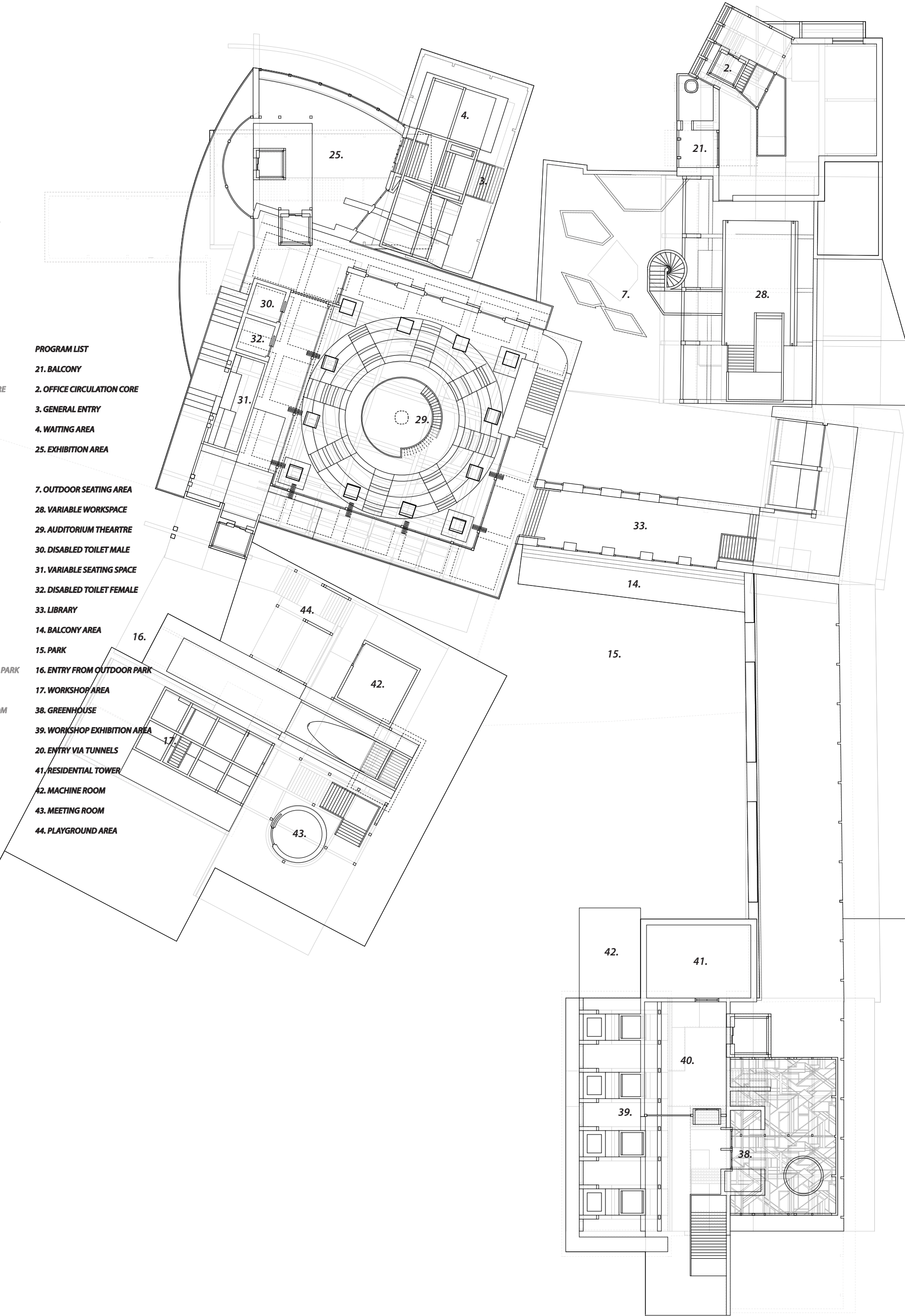
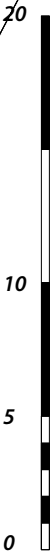
BASEMENT LEVEL X (WHERE Y = 17040mm)
PROGRAMS AND CIRCULATION THOUGH
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PROGRAM LIST

- 21. BALCONY
- 2. OFFICE CIRCULATION CORE
- 3. GENERAL ENTRY
- 4. WAITING AREA
- 25. EXHIBITION AREA
- 7. OUTDOOR SEATING AREA
- 28. VARIABLE WORKSPACE
- 29. AUDITORIUM THEATRE
- 30. DISABLED TOILET MALE
- 31. VARIABLE SEATING SPACE
- 32. DISABLED TOILET FEMALE
- 33. LIBRARY
- 14. BALCONY AREA
- 15. PARK
- 16. ENTRY FROM OUTDOOR PARK
- 17. WORKSHOP AREA
- 38. GREENHOUSE
- 39. WORKSHOP EXHIBITION AREA
- 20. ENTRY VIA TUNNELS
- 41. RESIDENTIAL TOWER
- 42. MACHINE ROOM
- 43. MEETING ROOM
- 44. PLAYGROUND AREA



ROOF

1:100

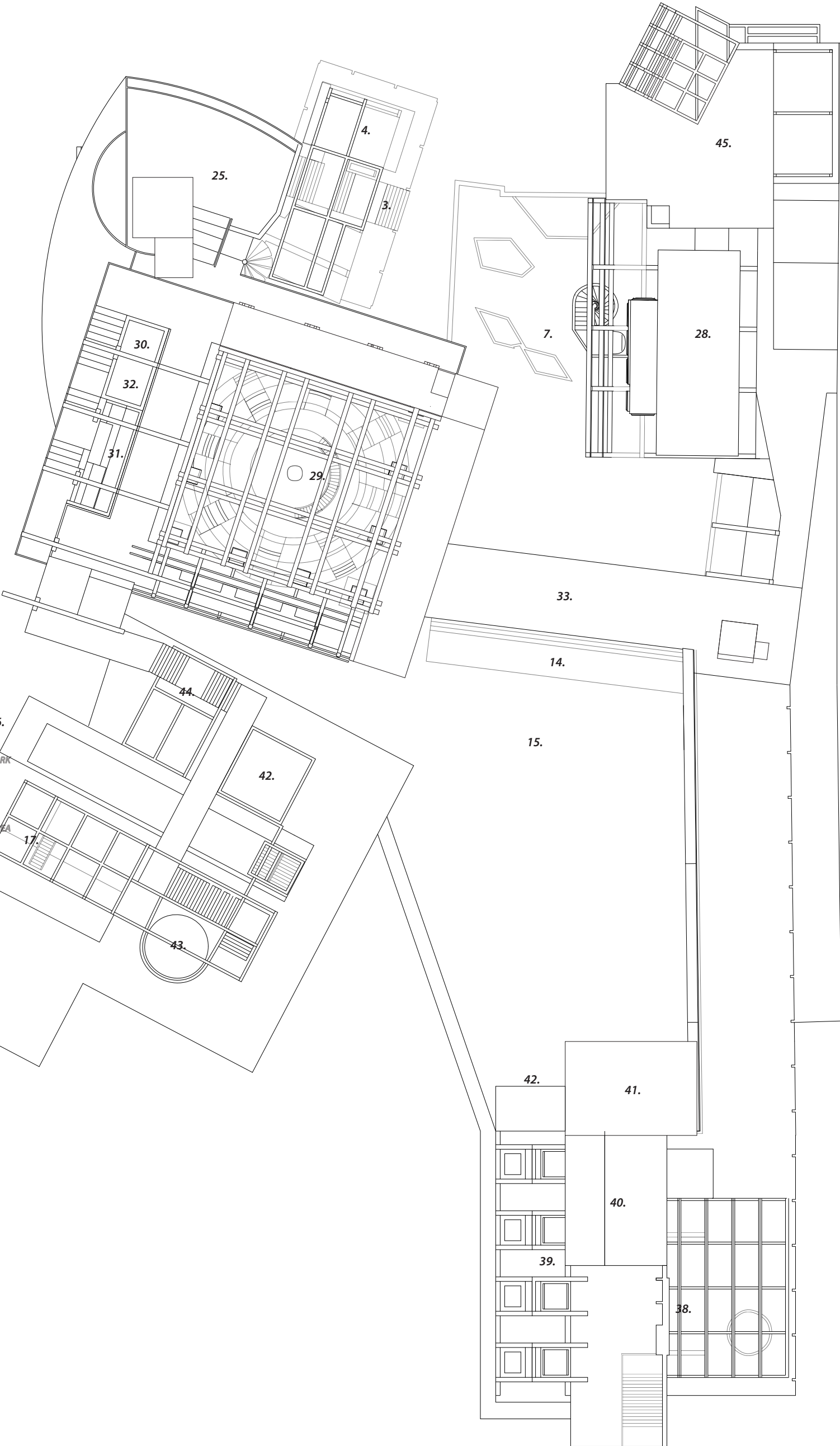
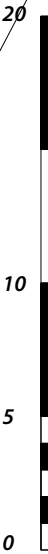
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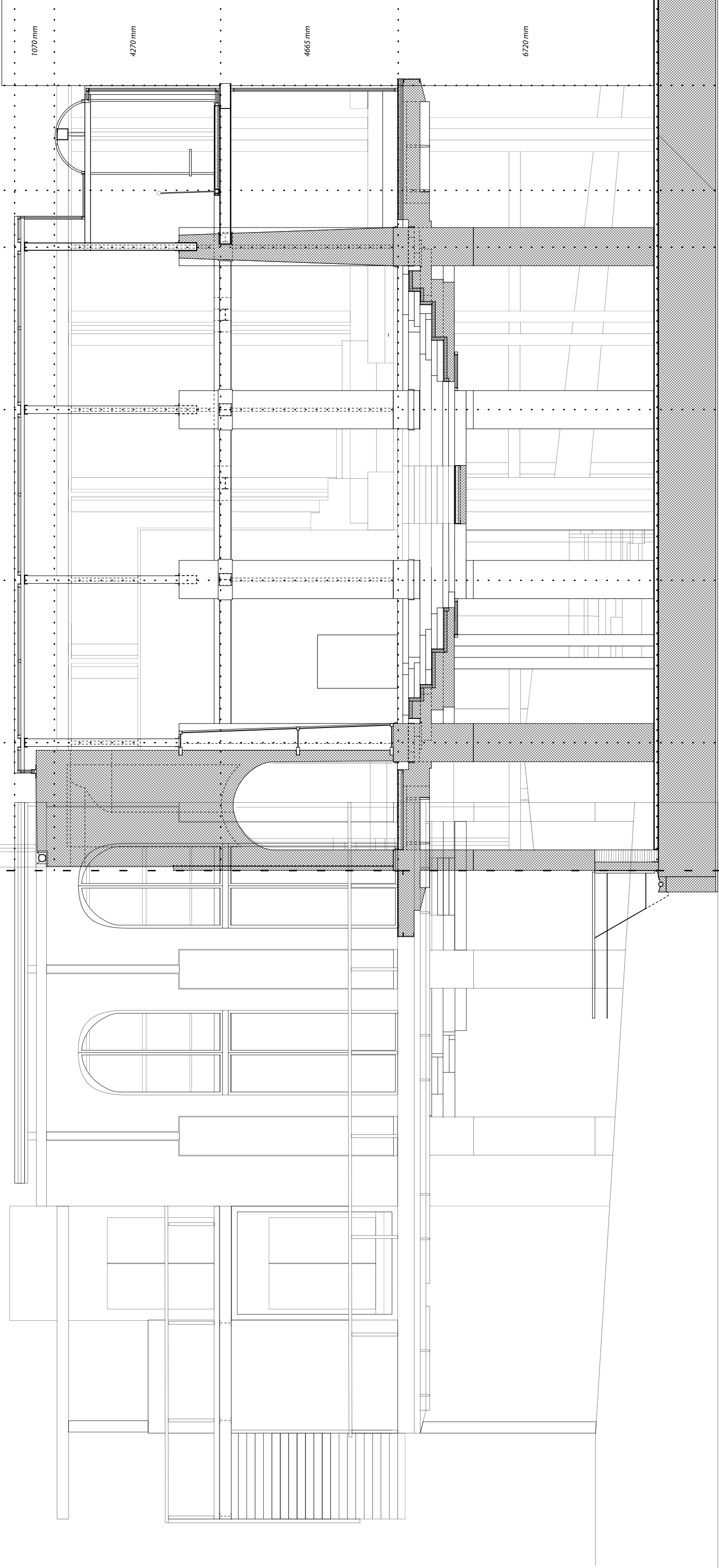
PROGRAM LIST

- 45. ADMIN / OFFICE BLOCK
- 2. OFFICE CIRCULATION CORE
- 3. GENERAL ENTRY
- 4. WAITING AREA
- 5. WORKSHOP SPACE
- 6. MACHINE / SERVICE AREA
- 7. OUTDOOR SEATING AREA
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- 44. PLAYGROUND AREA





* FRAGMENTE
* SECTION E-E
* ELEVATION E
"ROMANIAN ARHITECTUR" / "GARA DE NORD"

FRAGMENT E

THE ABSTRACTION OF REFERENCE SPACES INTO THEIR FORM FACTOR, WITH THE IMPOSITION OF THE SPATIAL CHARACTERISTICS ARISING FROM THE RESEARCH PHASE OF THE PROJECT AND PROGRAMMATIC CONSIDERATIONS, RESULT IN THE SPATIAL CONFIGURATION OF THE SCHOOL FOR REFORMING DRUG ADDICTS.

GARA DE NORD

POLITEHNICA

CAROL PARK

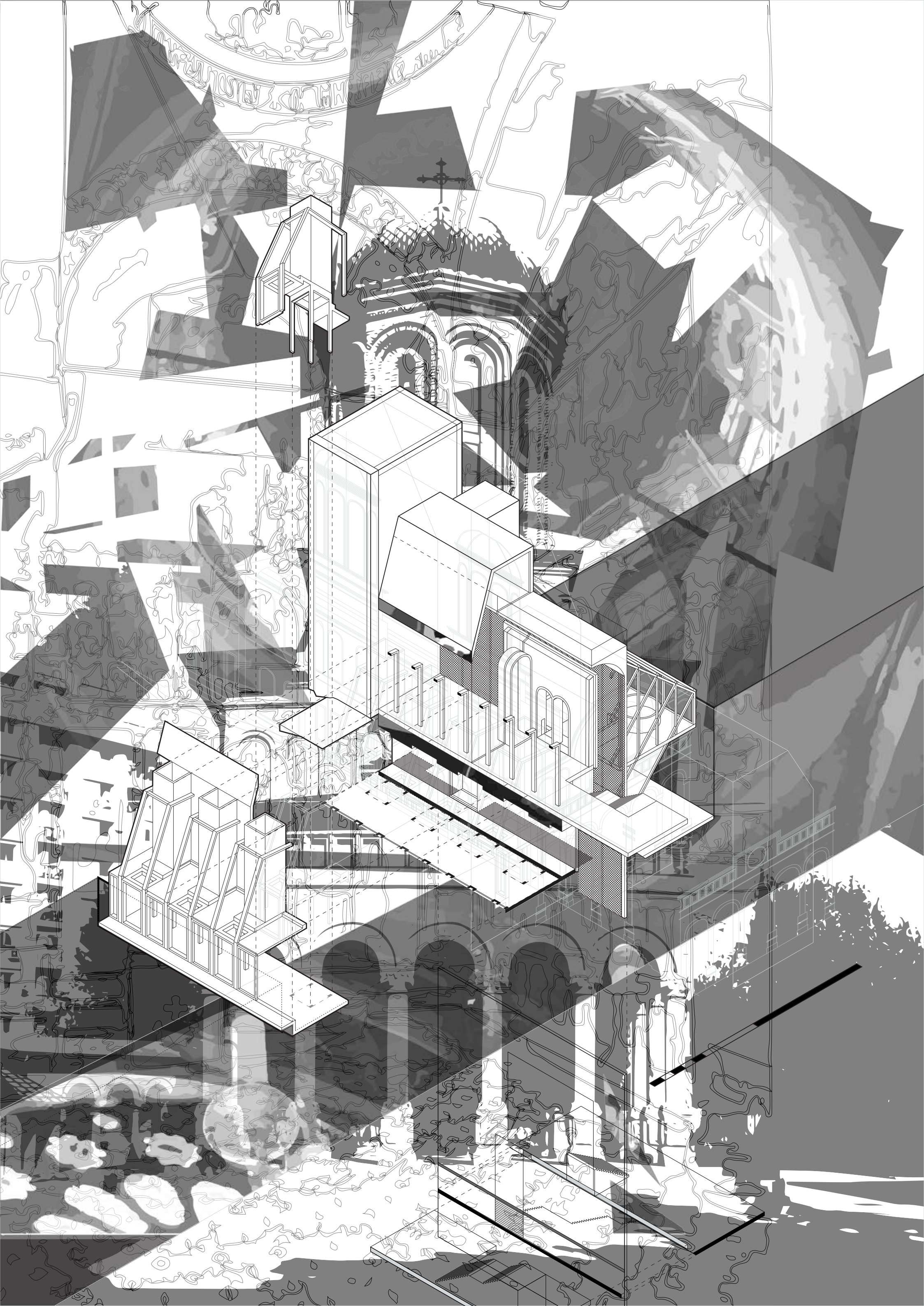
ROMANIAN ATHENAEUM

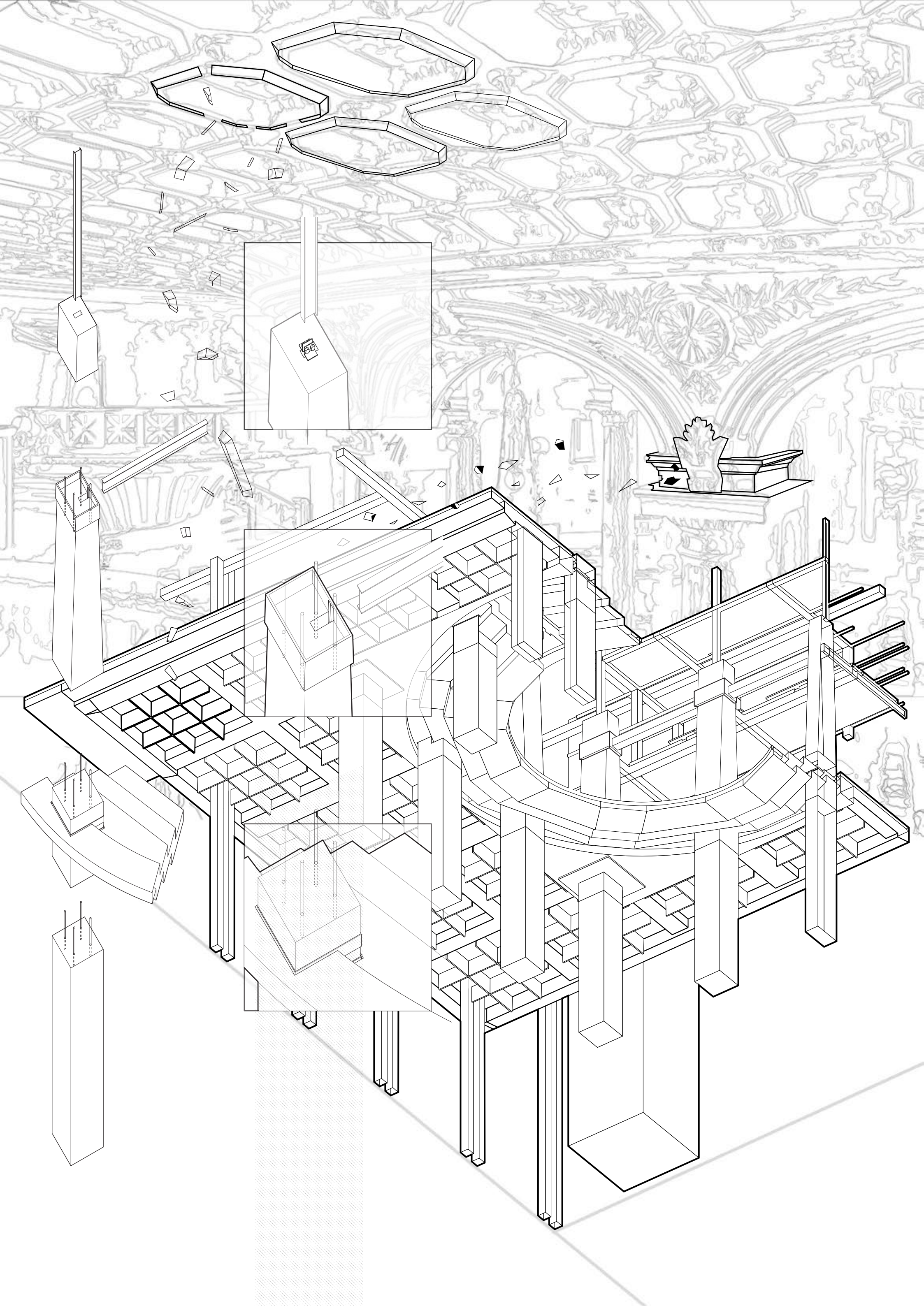
PALACE OF THE PEOPLE

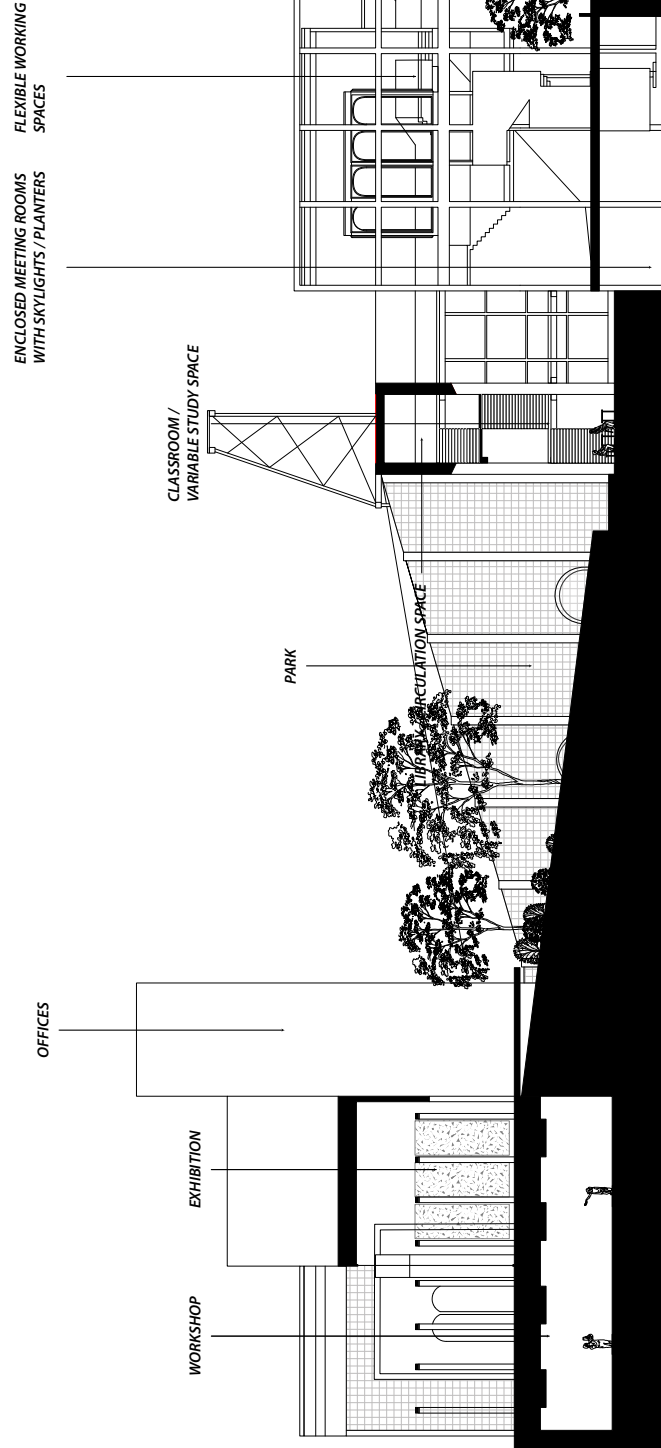
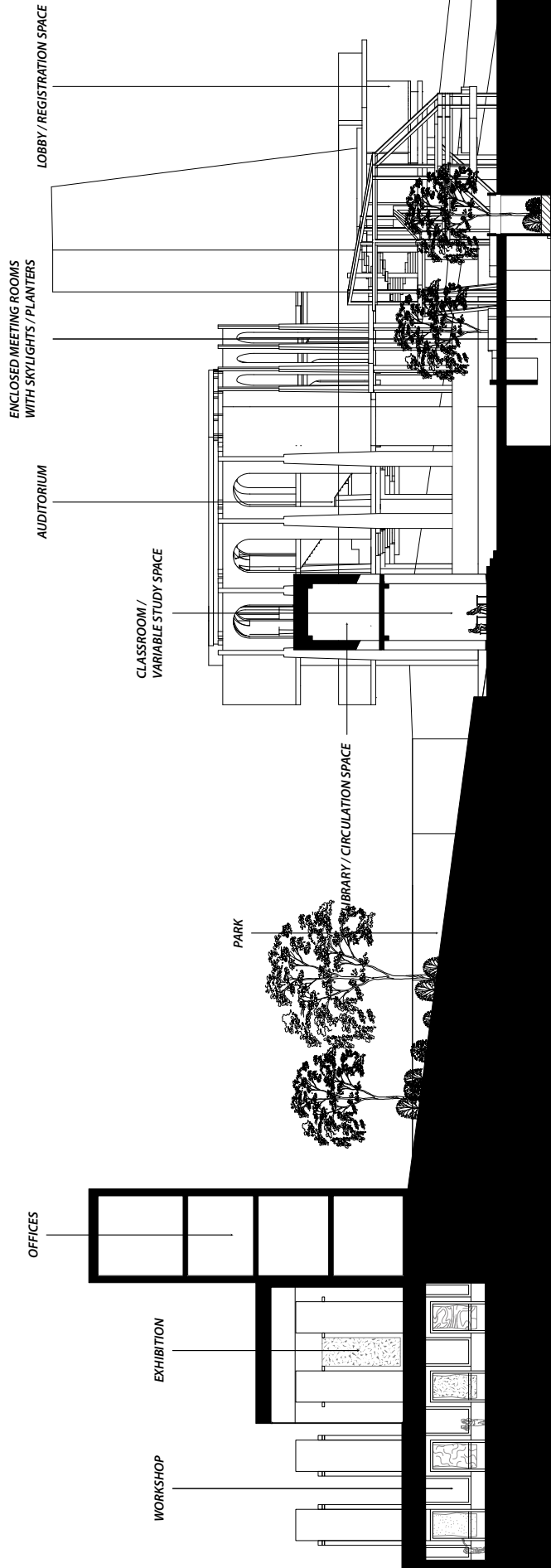
ANTIM MONASTERY

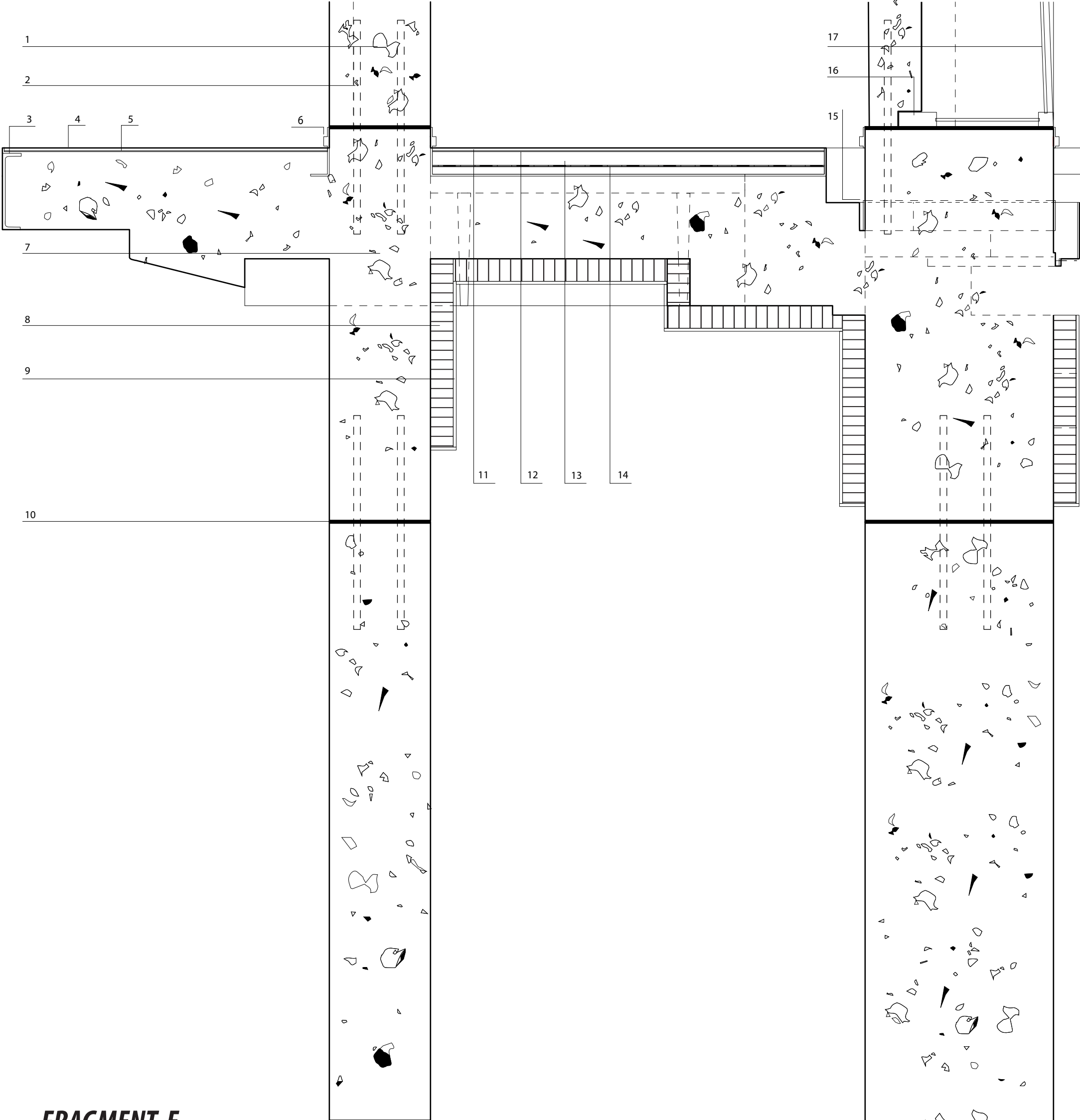
TURNUL DE ARTA











FRAGMENT E
DETAIL E4

1 Concrete with Water-repelling admixture
(eg efa fuller)

548mm

2 Steel Reinforcement Bars

3 UPE 400

4 Concrete Floor tile

15mm

5 Tile adhesive

5mm

6 Brass Ending

7 Precast Concrete Floor

Varies

8 Insulation

125mm

9 Plaster

10 Concrete Joint

11 Floor Covering, Concrete tile

15mm

12 Tile adhesive

5mm

13 Screed with Underfloor heating

80mm

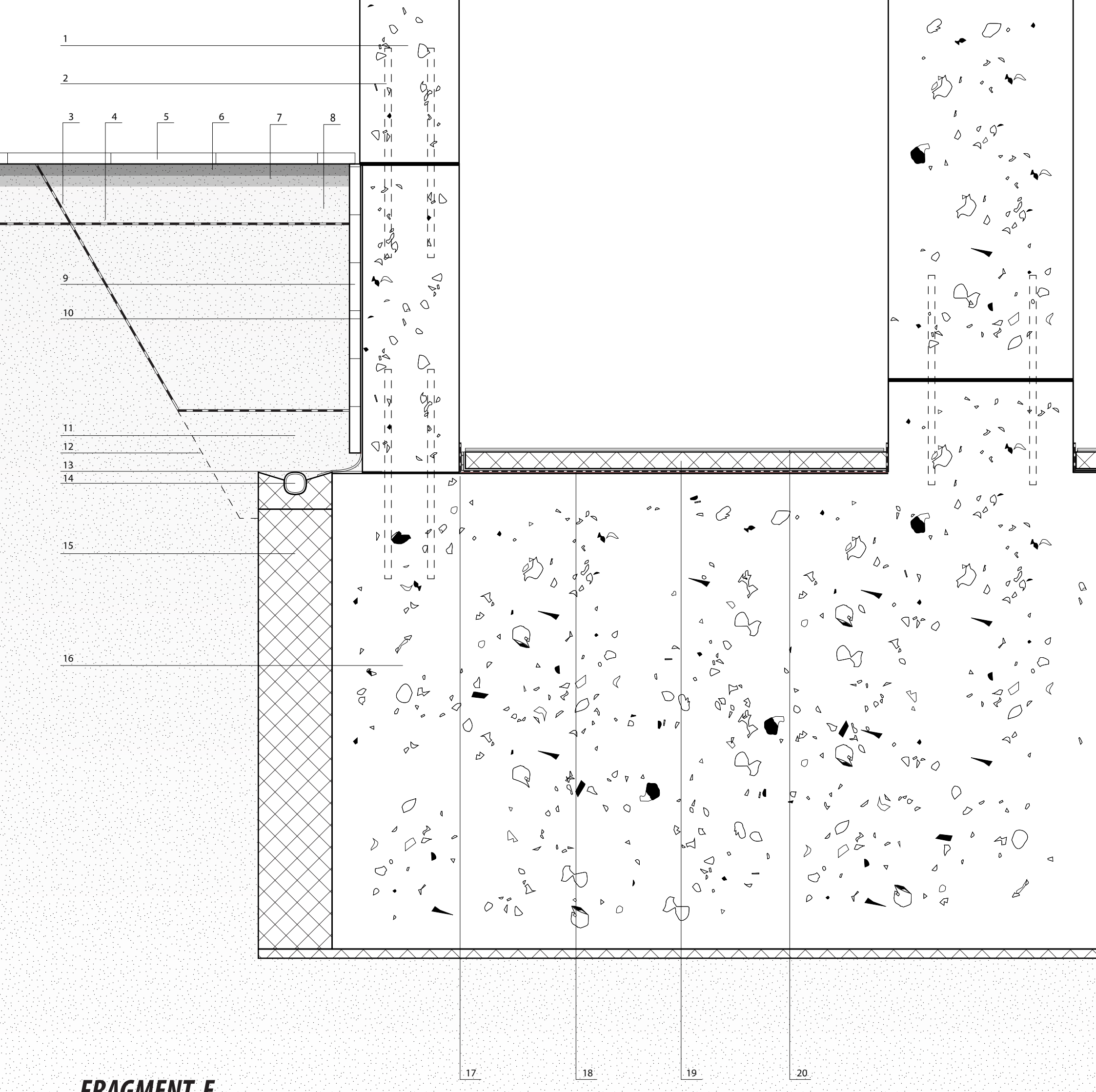
14 Separating layer (plastic sheet)

1mm

15 Brass Ending, shadow gap

16 Glass frame

17 Non-structural tempered glass



FRAGMENT E

DETAIL E5

1 Concrete with Water-repelling admixture
(eg efa fuller)

548mm

2 Steel Reinforcement Bars

3 Geotextile Mat, Fleece

4 Geotextile Mat, Fleece

5 Paving Stones

6 Fine Sand

7 Fine Gravel

8 Coarse Gravel

9 Porous boards

60mm

10 Bitumen Paint

11 Soil, backfilling, spoil

12 Slope to side of excavation

13 Construction joint with Waterbar/
waterstop

14 Drainage, peforated/porous pipe

15 Lean concrete

16 Concrete Ground Slab

17 No base board, finished joint, with shadow gap.

18 Damp Proof Membrane

19 Lean concrete

20 Screed

FRAGMENT E

DETAIL E3

1 Special Mortar Coating (lime + cement), Vandax BB75E, 3mm (Prevents water from entering cracks in Concrete)

2 Substrate for extensive planting

80mm

3 Combiflex waterproofing, bedded in epoxy resin

4 Bitumen roofing felt, 2 layers, EP3, EP4 (roof-resistant)

70mm

5 Vapor Barrier

6 Fair Face Concrete (cast in-situ)

7 Porous Water Pipe

8 Metal Plate (Welded together)

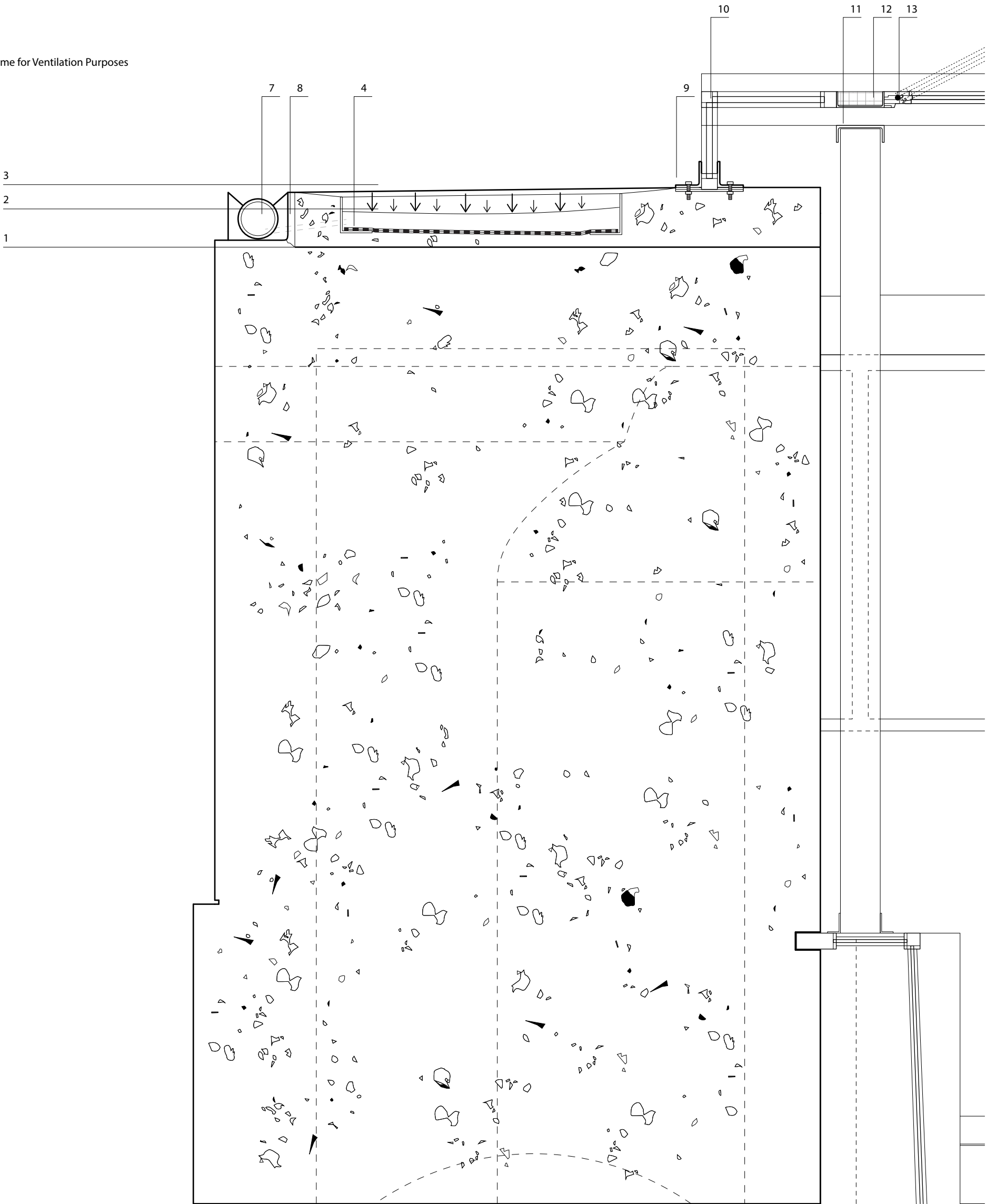
9 L Profile steel equal angles (180x12)

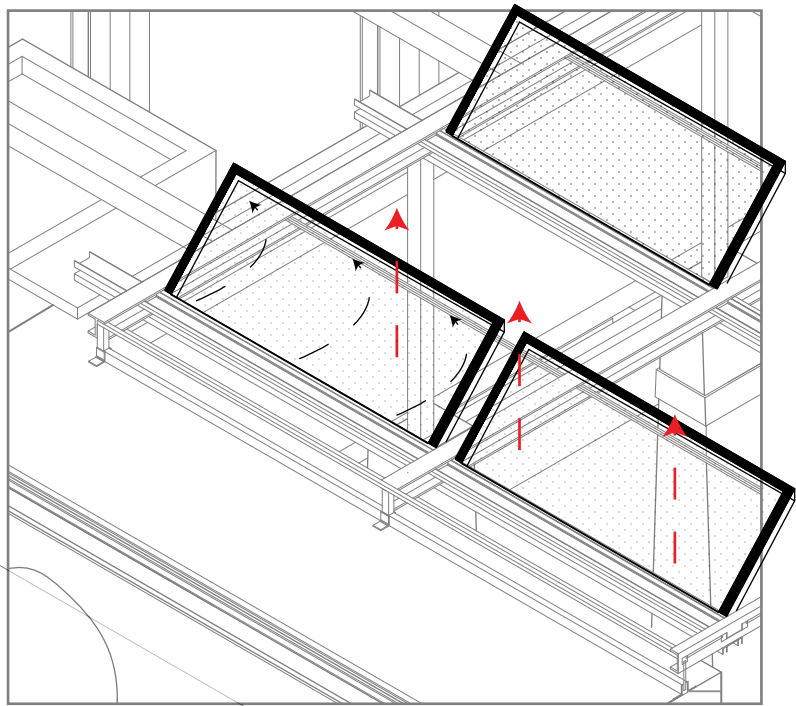
10 Window Frame

11 UPE 240

12 UNP Nr. 24

13 Operable window frame for Ventilation Purposes





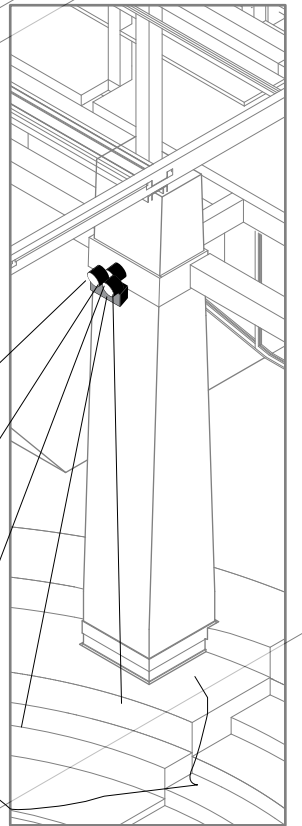
BUILDING INTEGRATED PV-CELLS
APPLIED ON OPERABLE ROOF
TO PROVIDE EXTRA SUNSHADING
WHILE HARVESTING ENERGY.

OPERABLE TRIPLE GLAZED WINDOWS
ALLOW FOR REGULATION OF SUNLIGHT
WHILE ALSO ALLOW FOR NATURAL
VENTILATION.

FRAGMENT E CLIMATIC CONSIDERATIONS

INTEGRATED LIGHTING
SYSTEM, SPOT LIGHTS
PROVIDE LIGHTING
WITHIN AUDITORIUM,
EXCESS HEAT PRODUCED
PROVIDES THERMAL
COMFORT.

ADDITIONAL HEATING
VIA INFRA-RED LAMPS
WHEN REQUIRED.



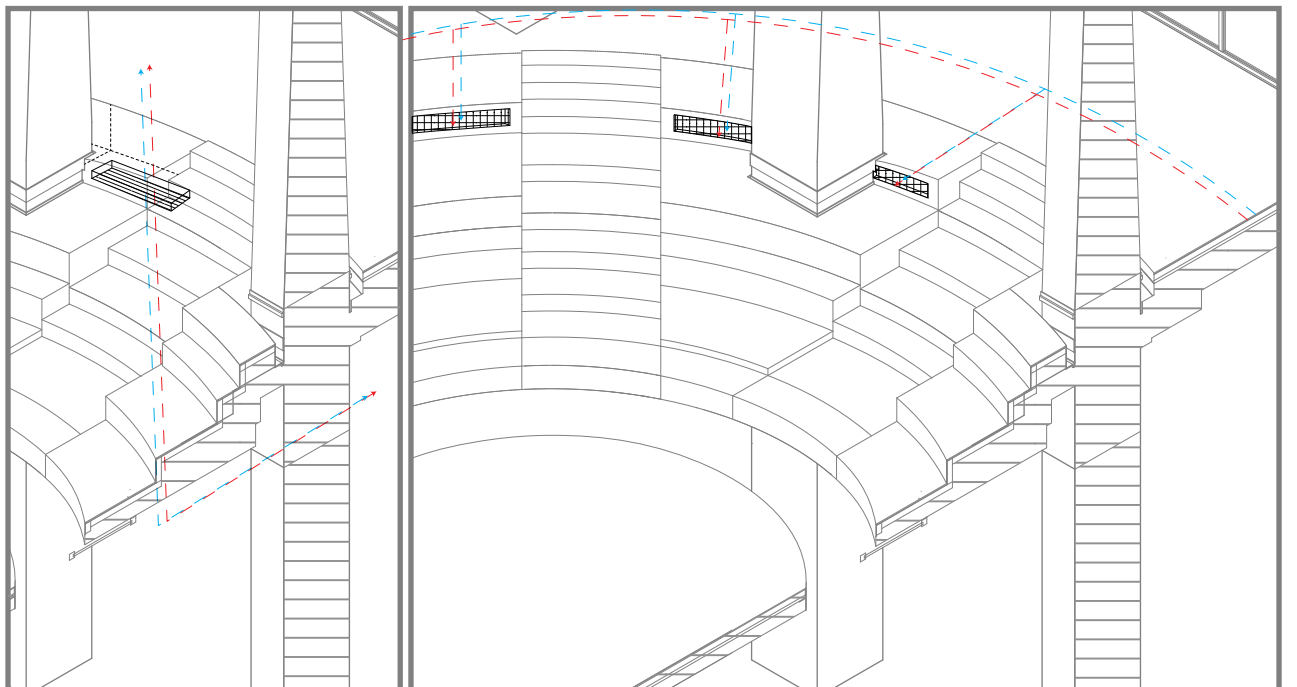
SEALED ENVIRONMENT

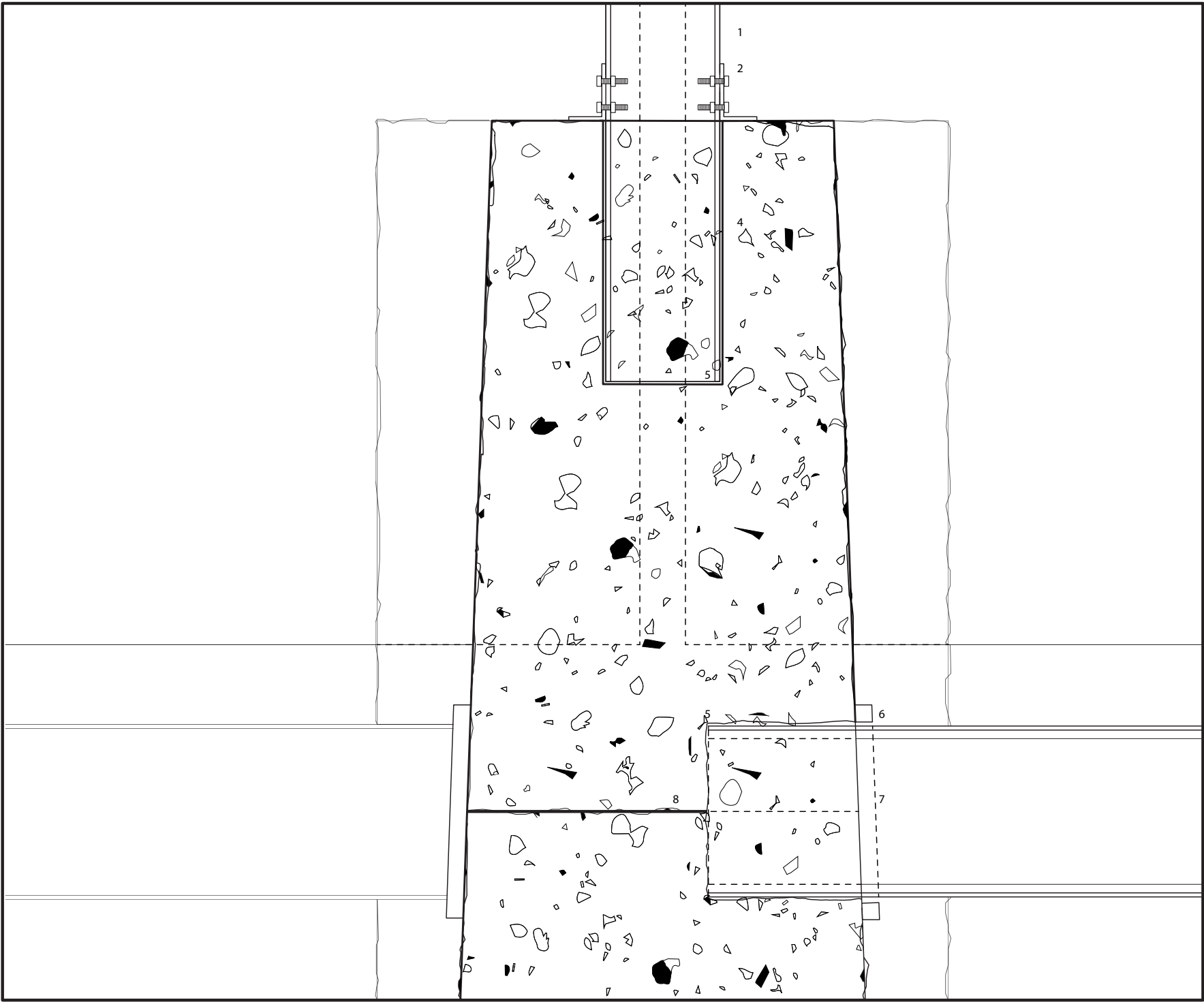
VENTS CONNECT TO
AIR HANDLING UNIT
IN SERVICE SPACE BELOW.

PASSIVE SYSTEM SURROUNDING
TEMPERATURE VIA VENTS BELOW
STAIR VOLUME.

HEATING RELEASED
THROUGH VENTS
UNDER SEATS.

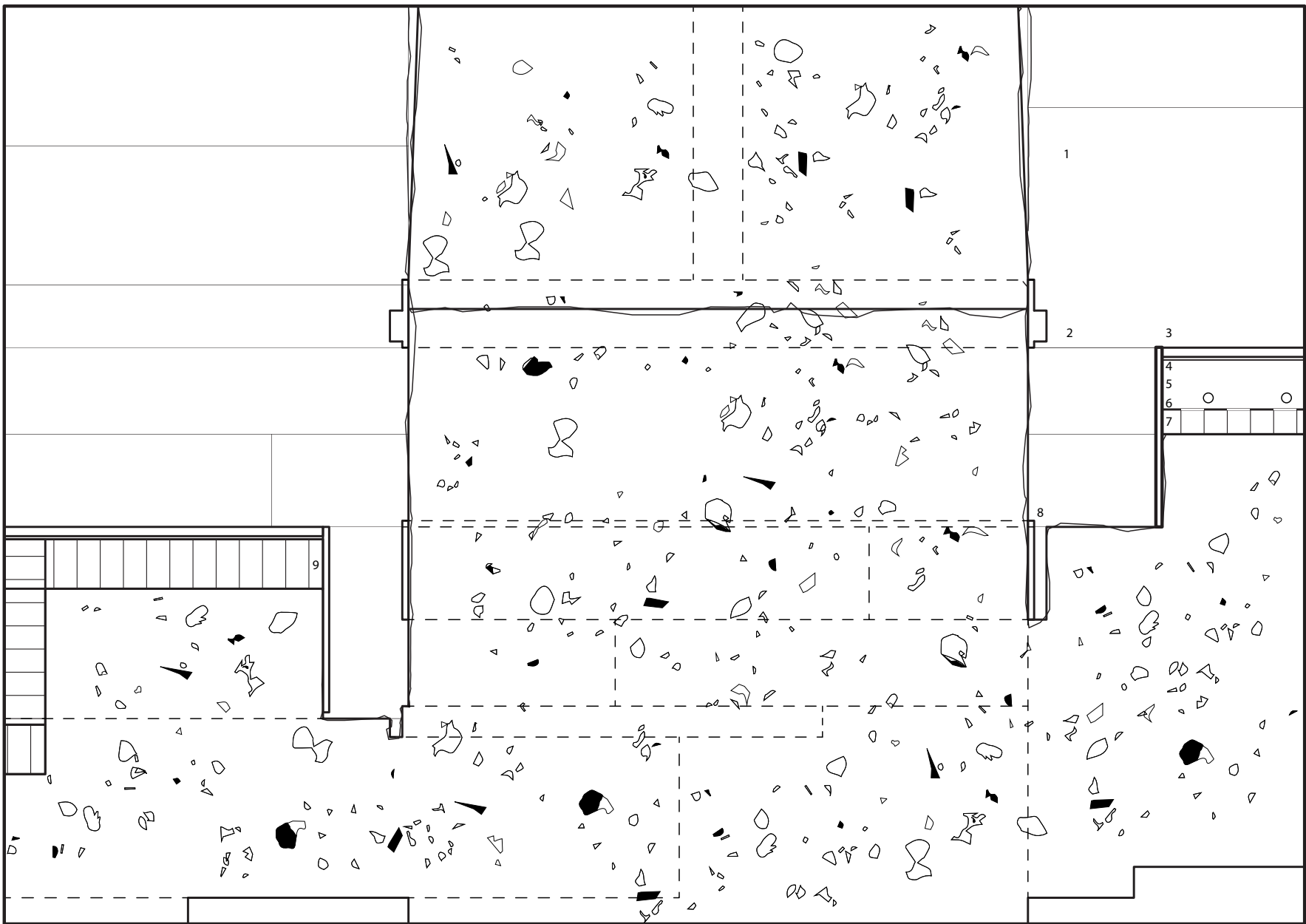
HEATING CIRCULATED
THROUGH VENTS
WITHIN PRECAST ELEMENTS





FRAGMENT E DETAIL E1

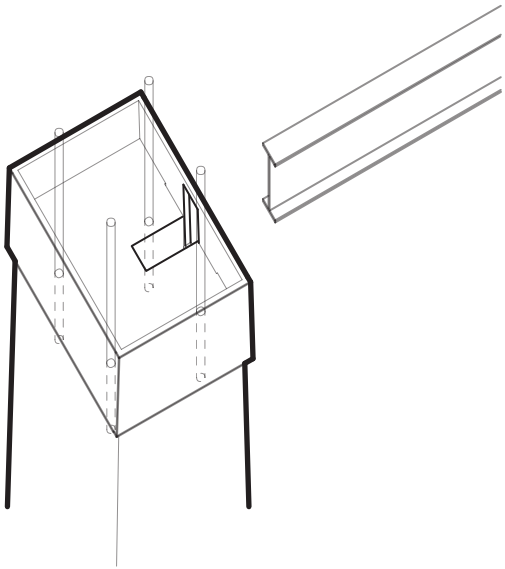
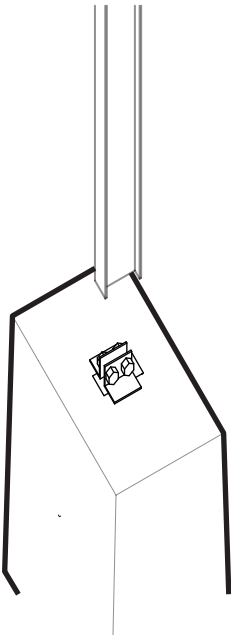
| | |
|----------------------------------|-------------|
| 1 IPE 200 | |
| 2 Hexagonal Bolt | |
| 3 L Profile Steel Unequal Angles | 100x65x10mm |
| 4 Precast Rough Faced Concrete | |
| 5 Contact Adhesive | 5mm |
| 6 Brass Ending | 20mm |
| 7 IPE 300 | |
| 8 Precast Concrete Break Line | |



FRAGMENT E DETAIL E2

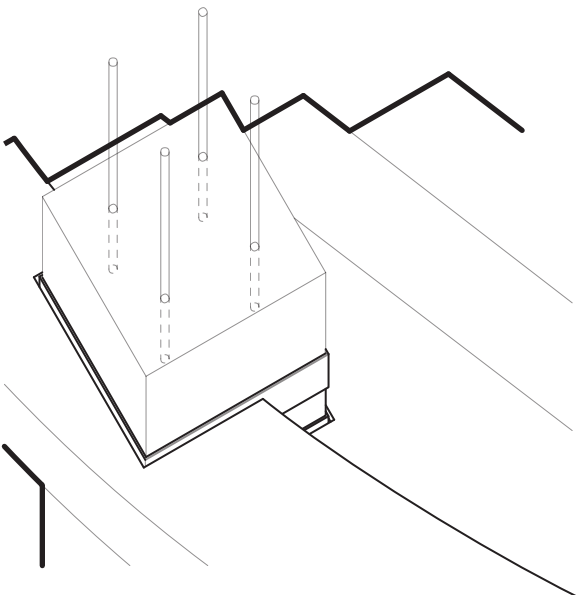
| | |
|-------------------------------------|--------------|
| 1 Precast Rough faced Concrete | |
| 2 Brass Ending | 20 - 30mm |
| 3 Concrete Floor Tile | 15mm |
| 4 Tile Adhesive | 5mm |
| 5 Screed with underfloorheating | 80mm |
| 6 Separating Layer Plastic Sheet | 1mm |
| 7 Impact Sound Insulation | 40mm |
| 8 Shadow Gap with Brass Ending | 20mm 10mm |
| 9 Contact Adhesive | 5mm |
| 9 Insulation | |

FRAGMENT E
ASSEMBLY

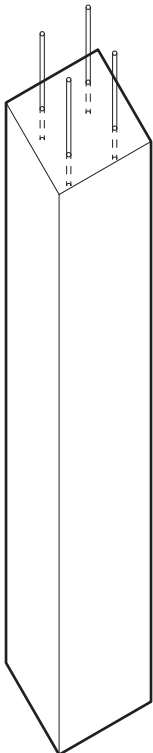
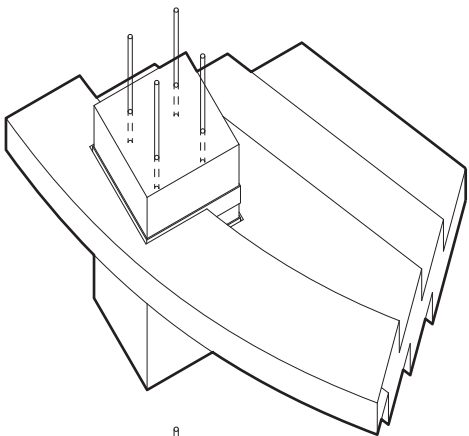
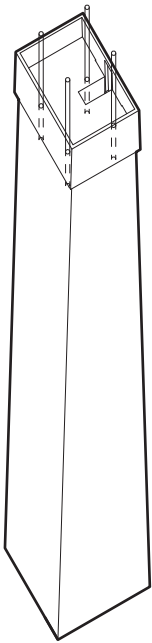
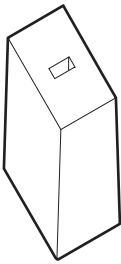


BEAMS PLACED WITHIN PRECASTED COLUMN ELEMENTS
WITH BRASS ENDINGS PLACED TO COVER THE PRECAST
COLUMN'S BREAK LINE.

COLUMN FOOTING IN FLOOR PLATE EMPHASIZING
CONTINUITY OF ASSEMBLY VIA GAPS BETWEEN THE
COLUMN AND FLOOR, DESPITE BEING PRECAST AS A
SINGLE PIECE

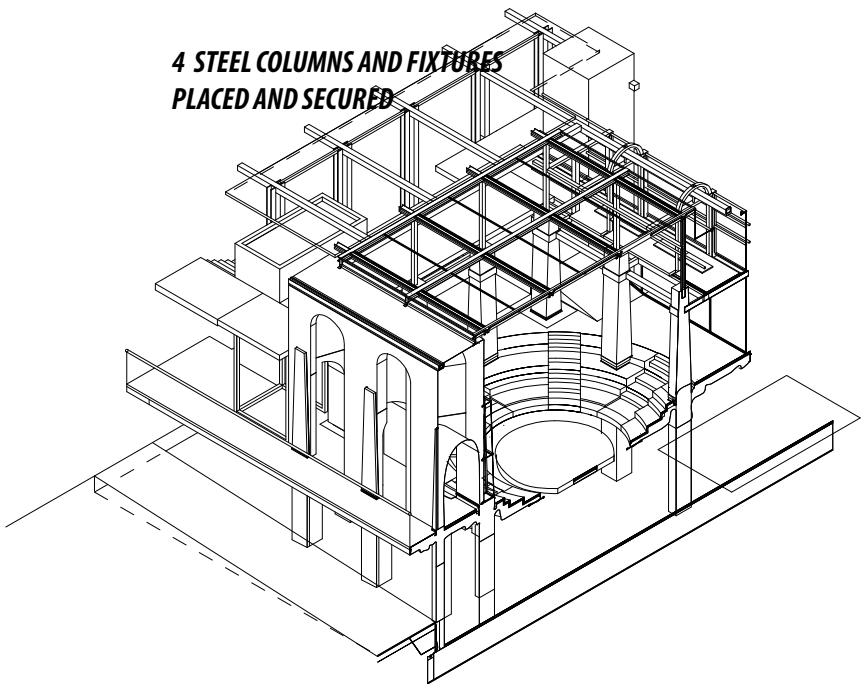


DETAIL
ASSEMBLY

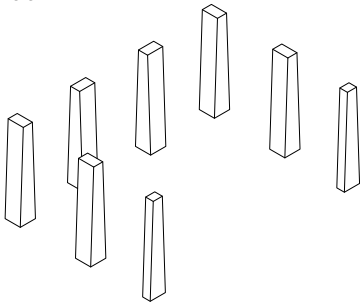


PRECAST
COLUMN AND FLOOR
ASSEMBLY

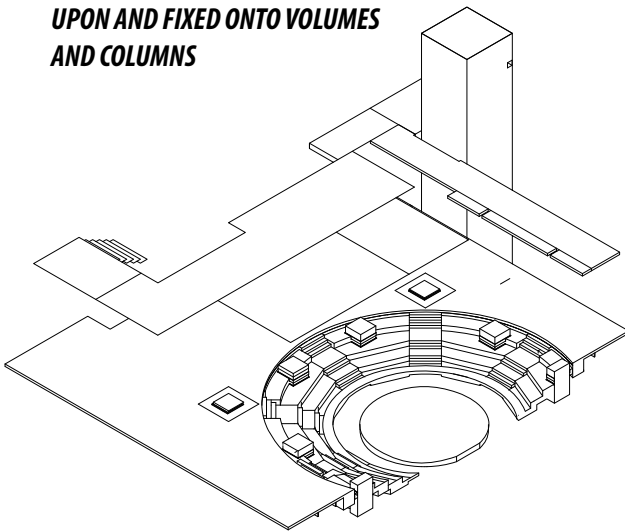
4 STEEL COLUMNS AND FIXTURES
PLACED AND SECURED



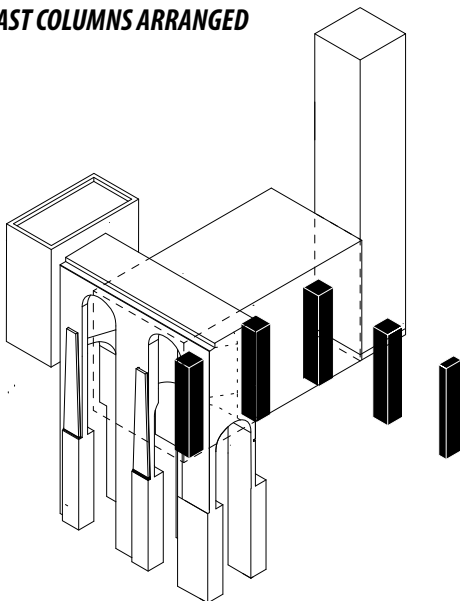
3 PRECAST COLUMN (TOP)
AFFIXED UPON FLOOR



2 PRECAST FLOOR LOWERED
UPON AND FIXED ONTO VOLUMES
AND COLUMNS



1 VOLUMES CAST IN-SITU,
PRECAST COLUMNS ARRANGED

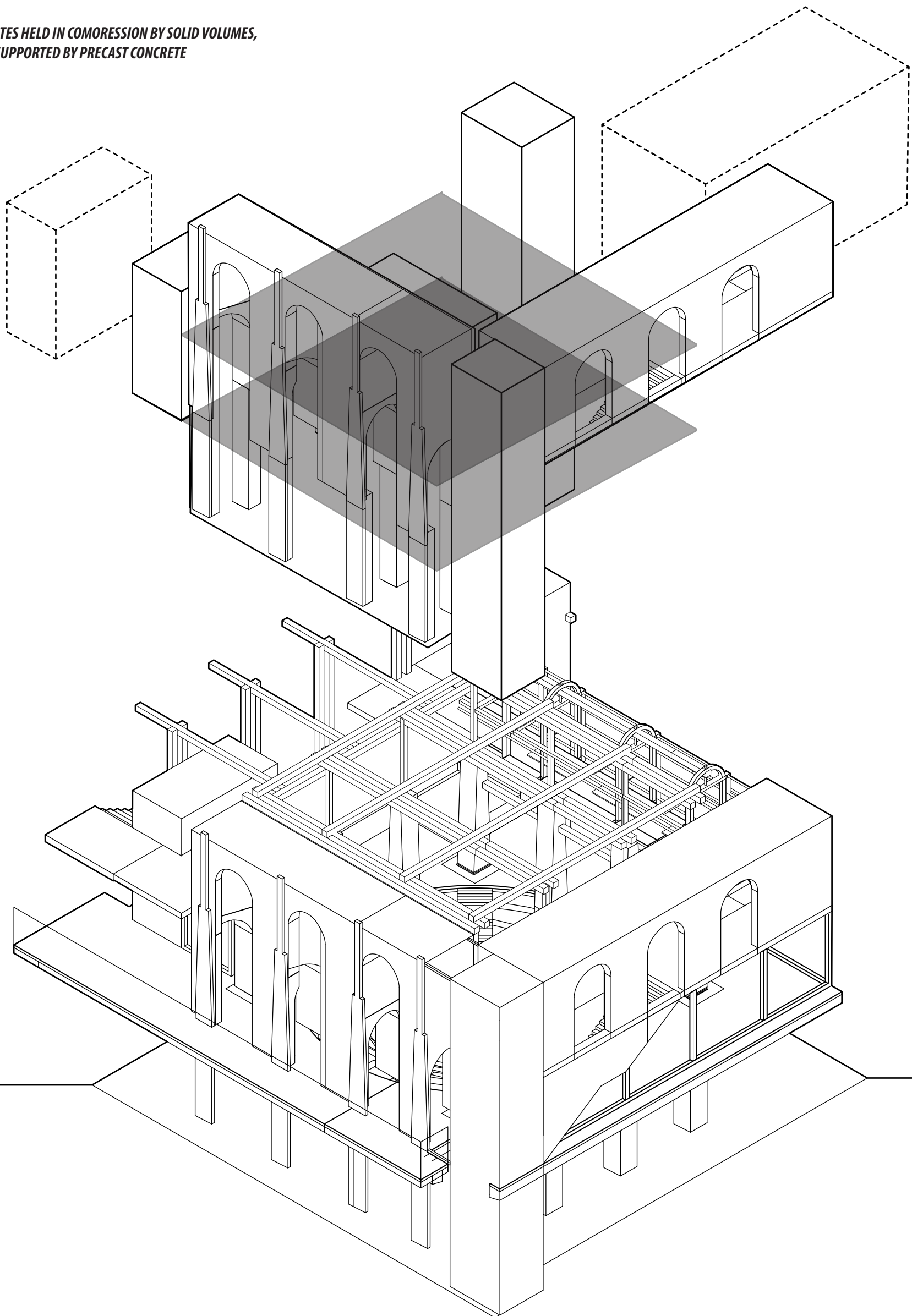


OVERALL
ASSEMBLY

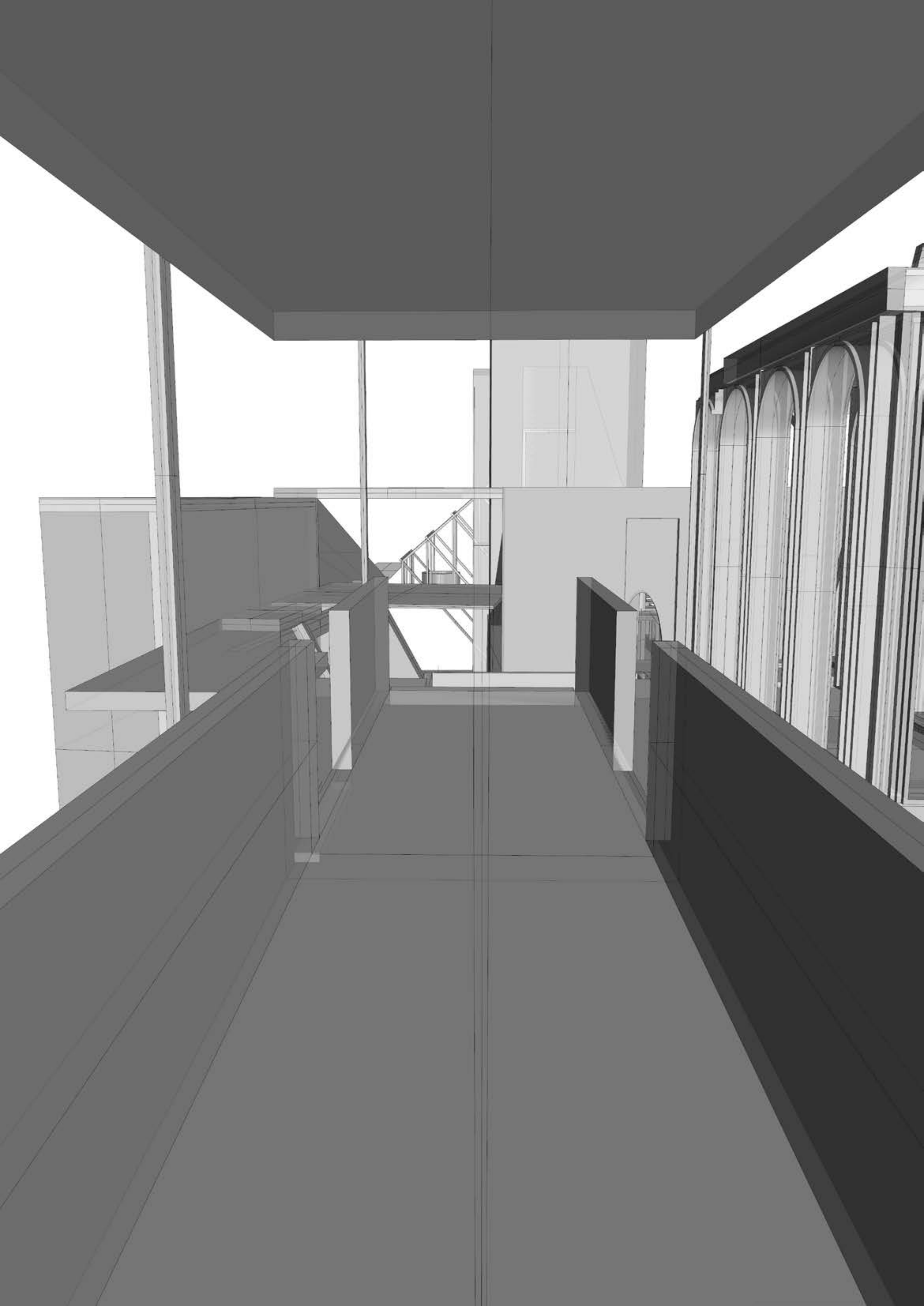
FRAGMENT E

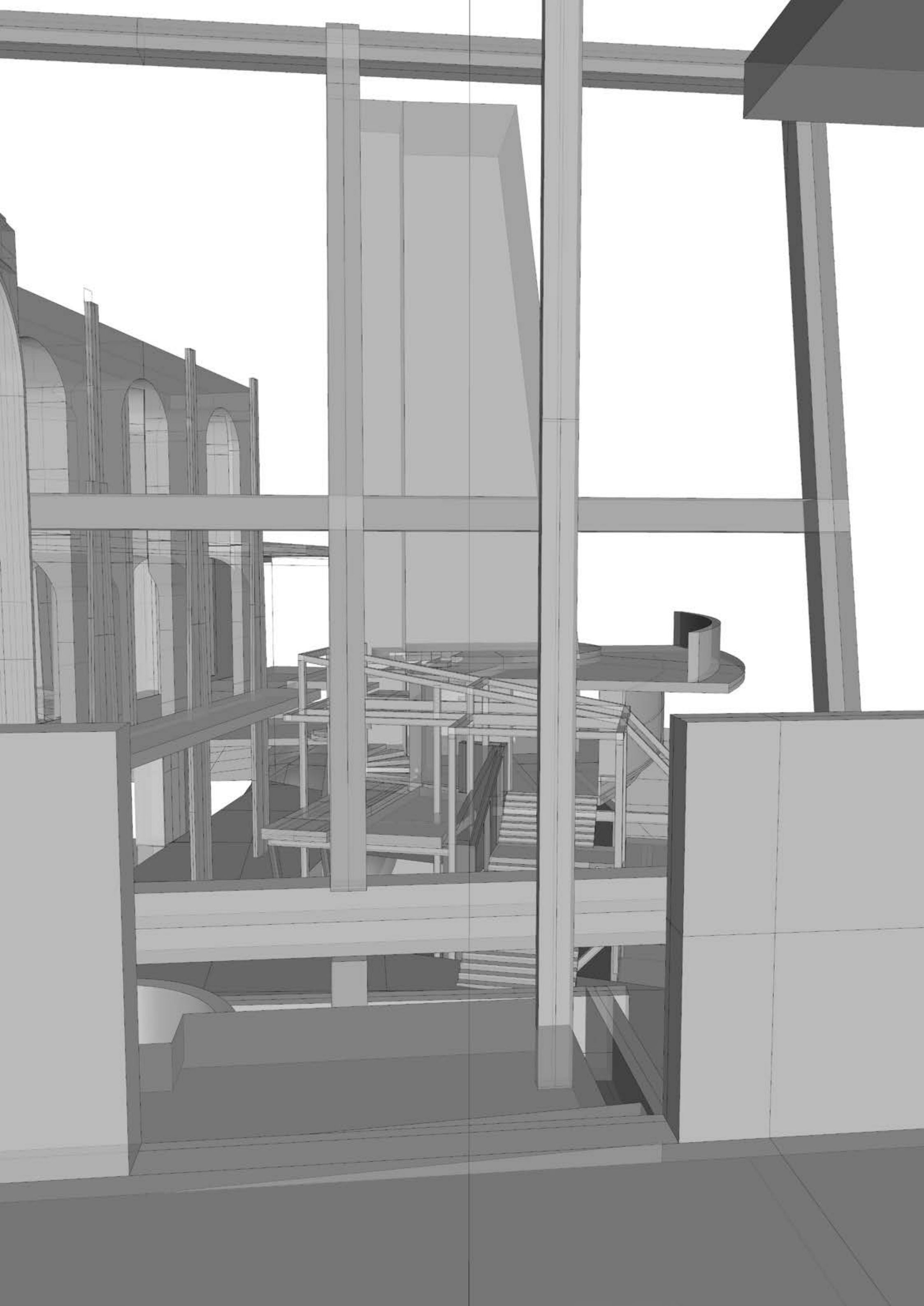
STRUCTURAL PRINCIPLES

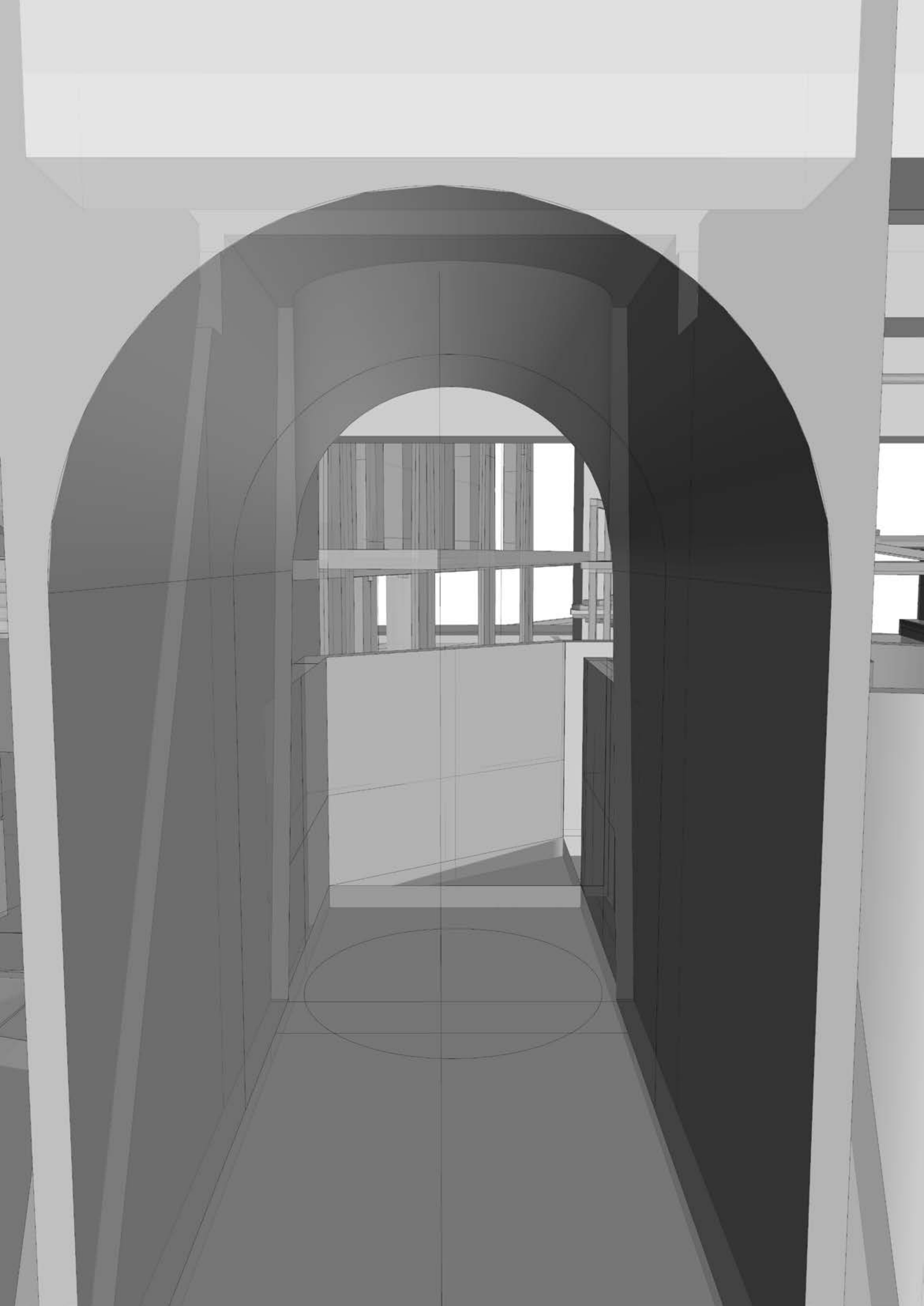
FLOOR PLATES HELD IN COMPRESSION BY SOLID VOLUMES,
FURTHER SUPPORTED BY PRECAST CONCRETE
COLUMNS.

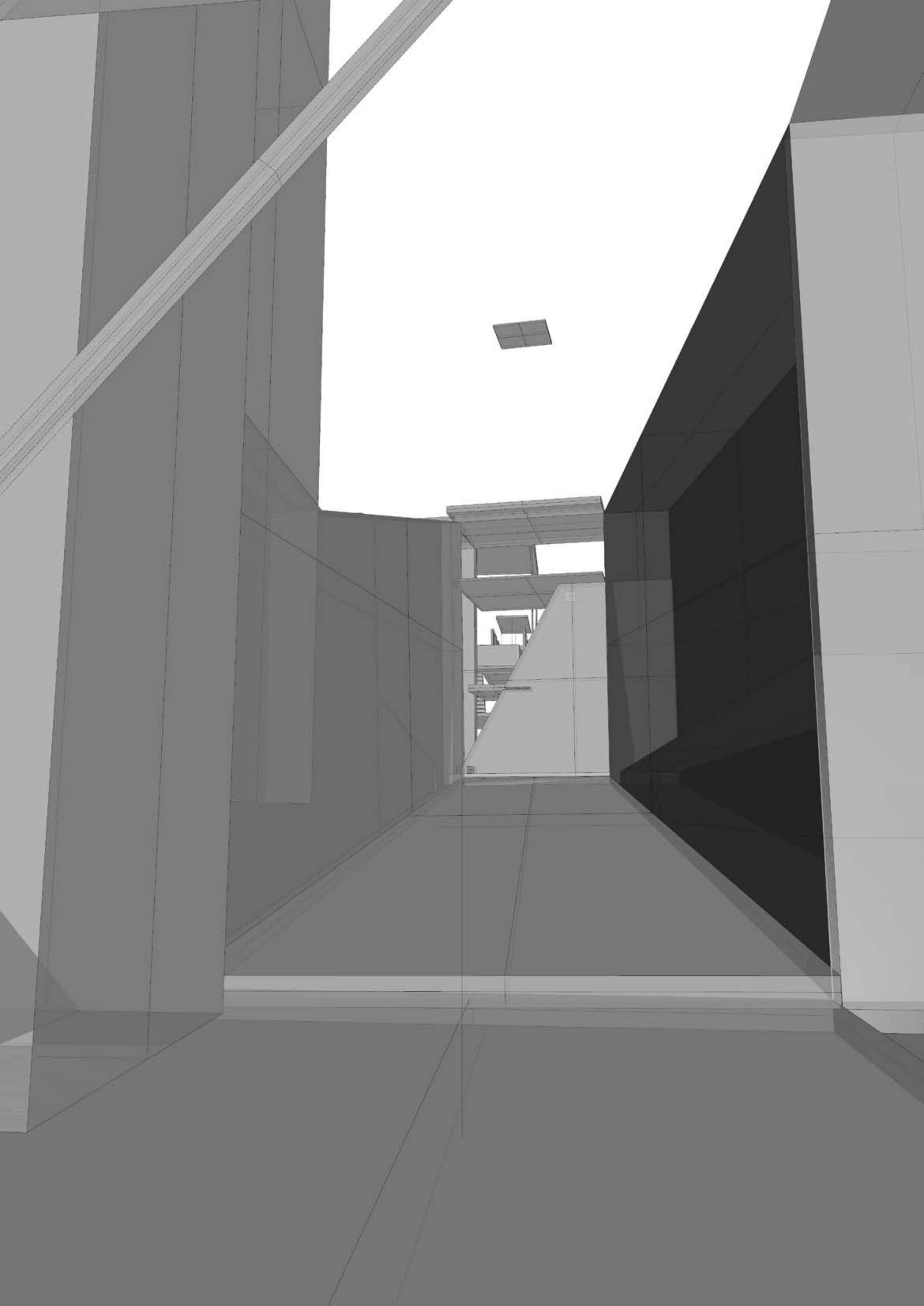


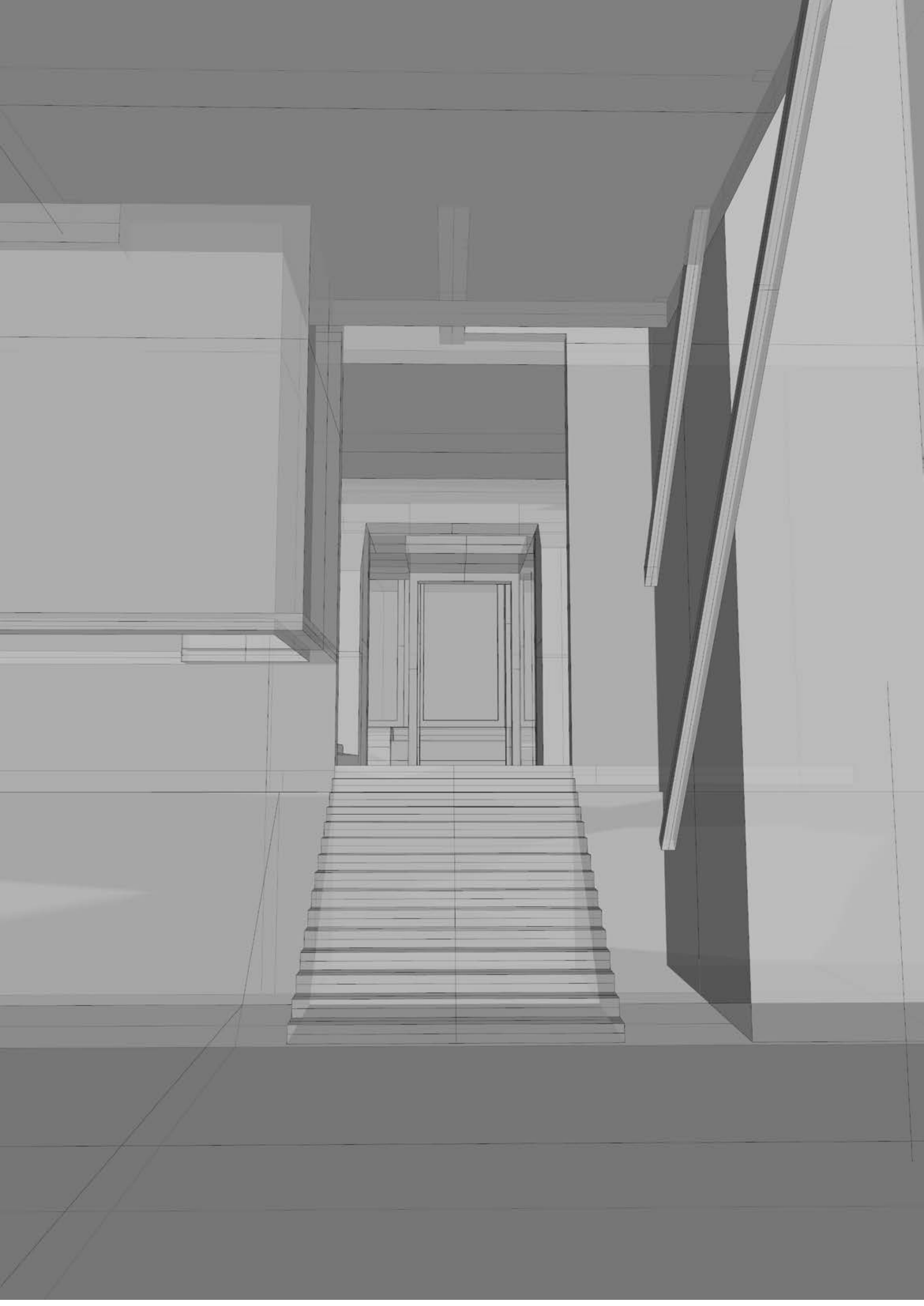


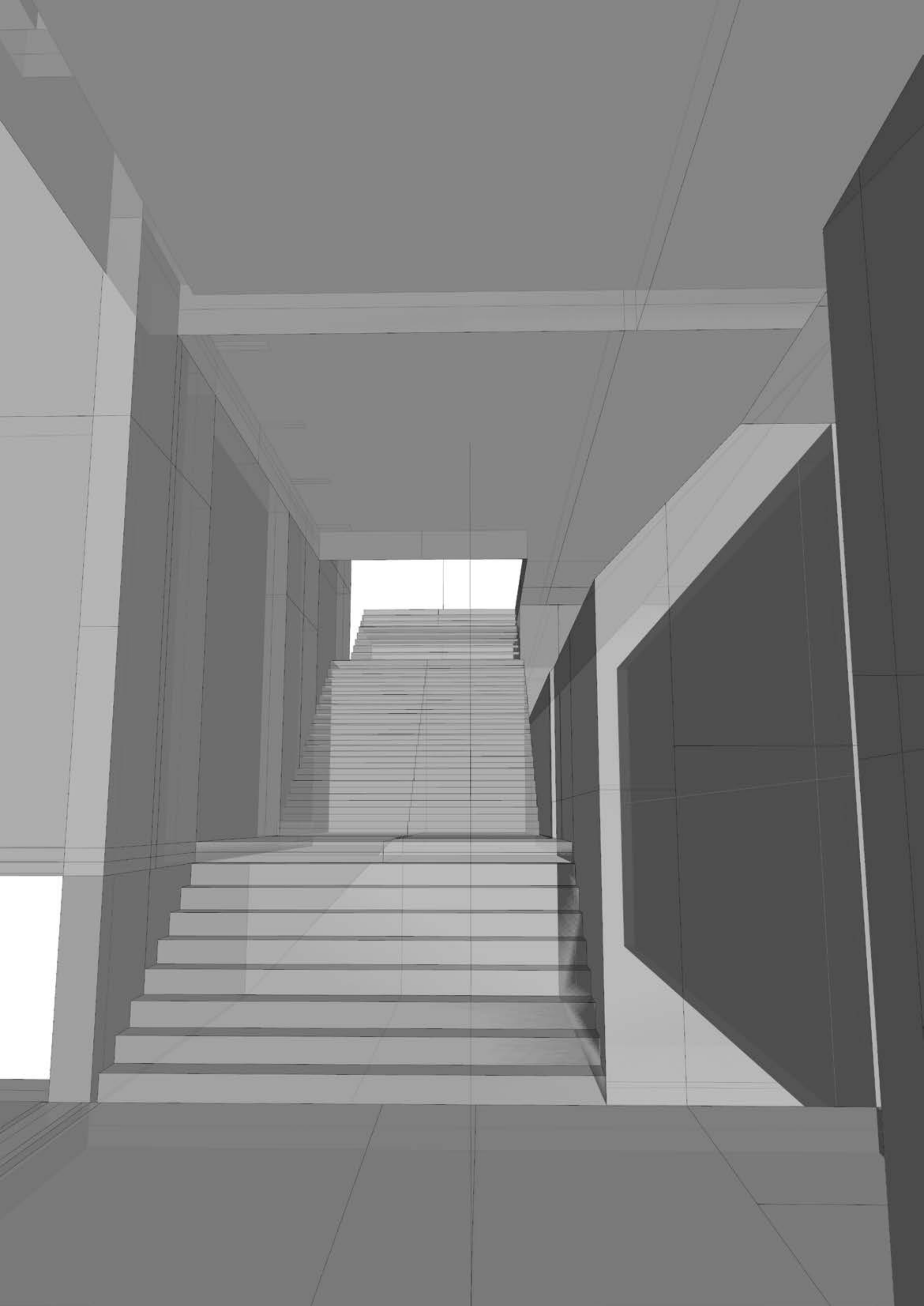


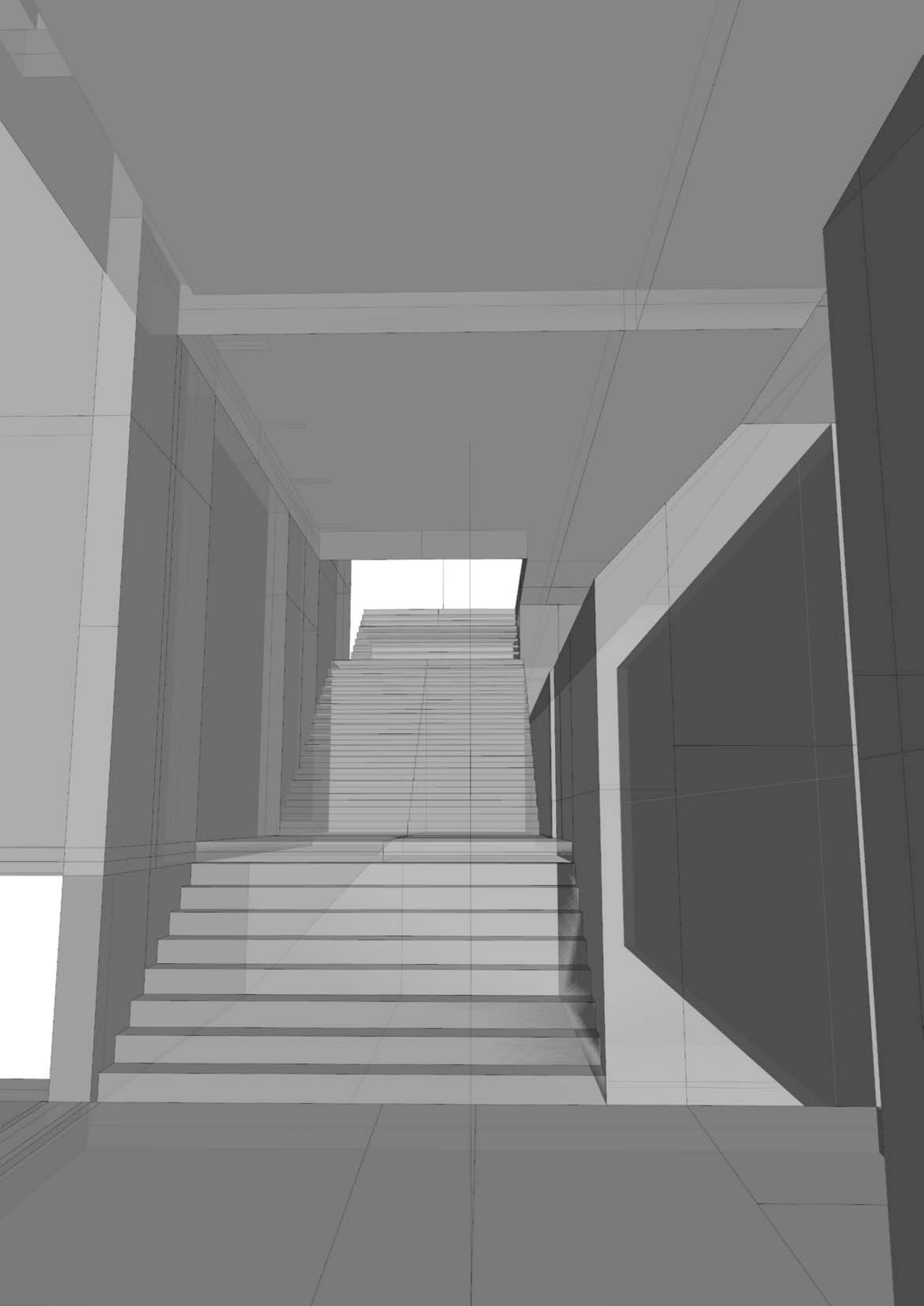


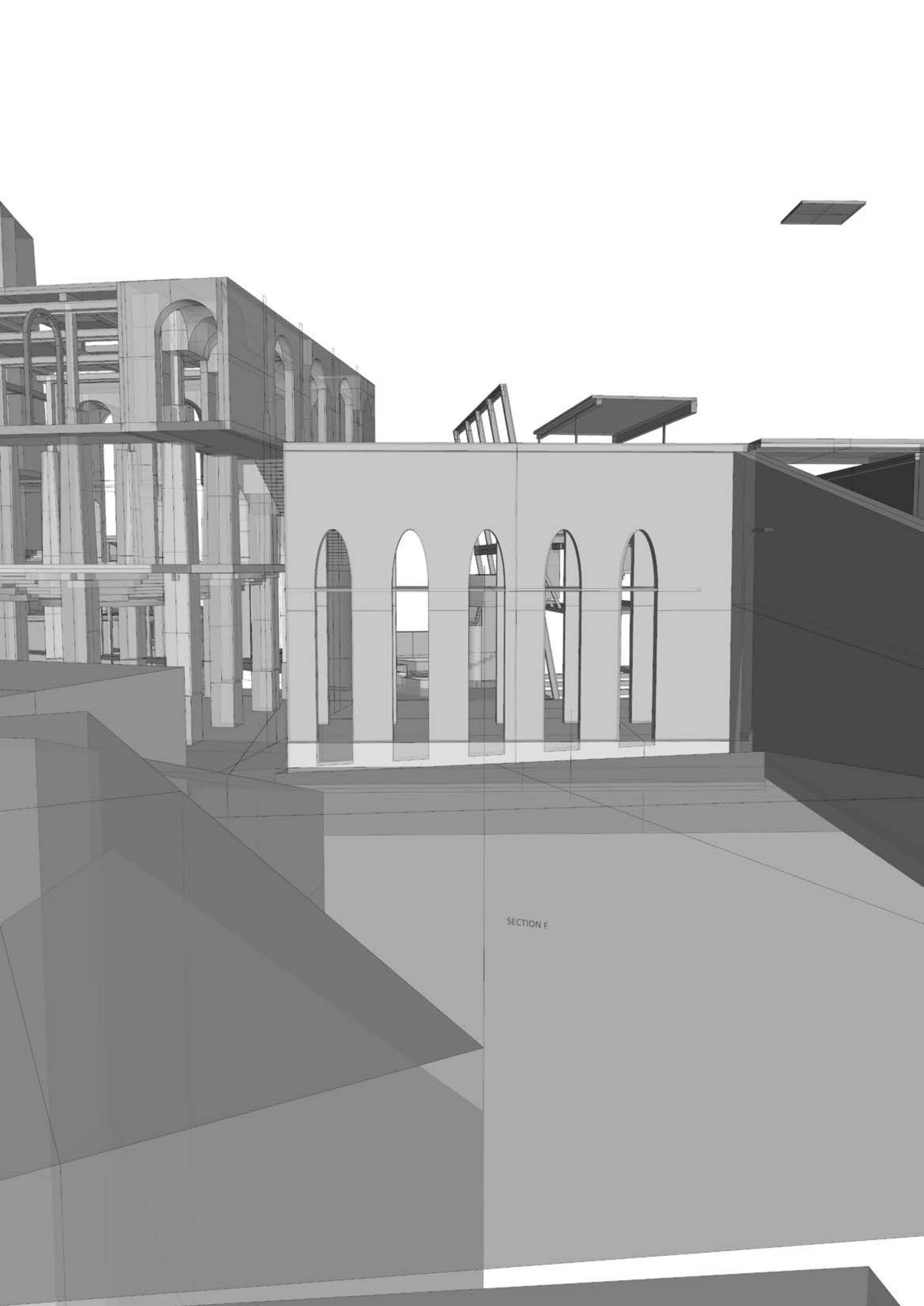












SECTION F

