

# Refined Thesis Portfolio

ALICE RICHARDSON

2021/22

# Existing Site Information

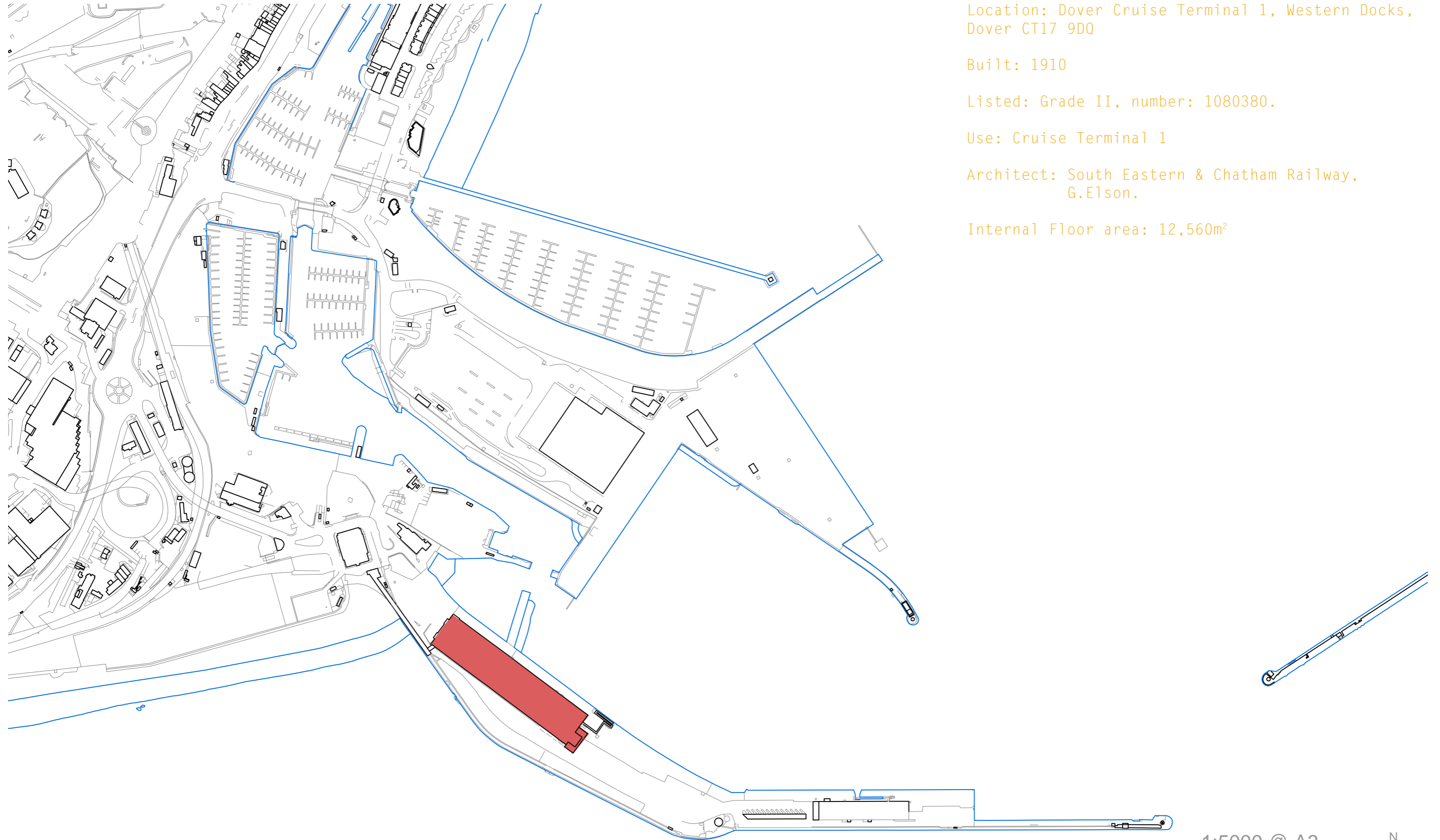


**Existing Location Plan**

Scale 1:10,000



# Former Marine Station



Location: Dover Cruise Terminal 1, Western Docks, Dover CT17 9DQ

Built: 1910

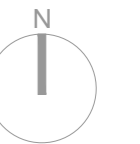
Listed: Grade II, number: 1080380.

Use: Cruise Terminal 1

Architect: South Eastern & Chatham Railway, G.Elson.

Internal Floor area: 12,560m<sup>2</sup>

1:5000 @ A3  
Scale in Metres



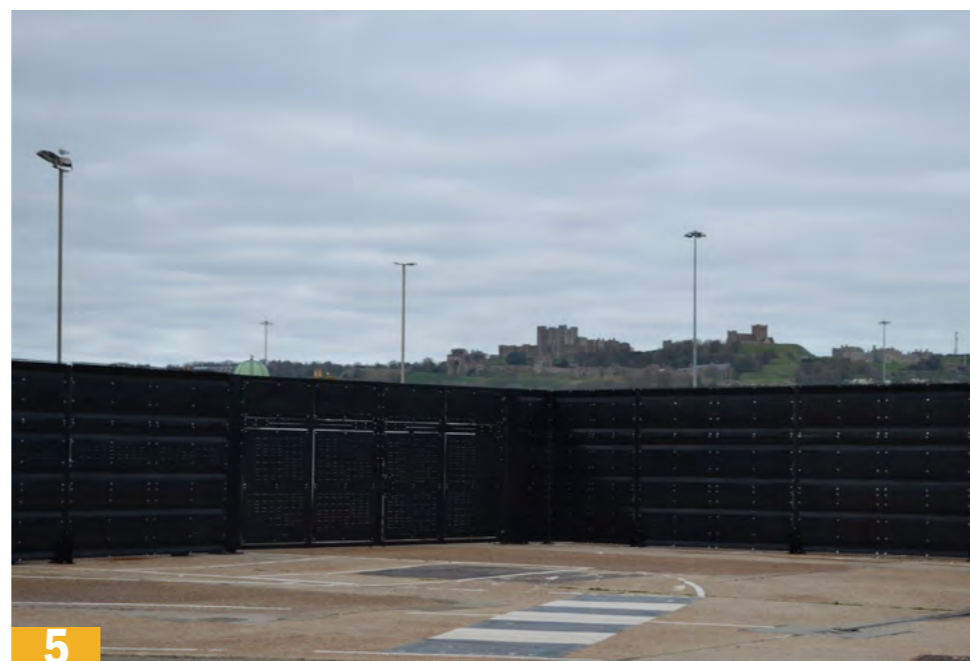
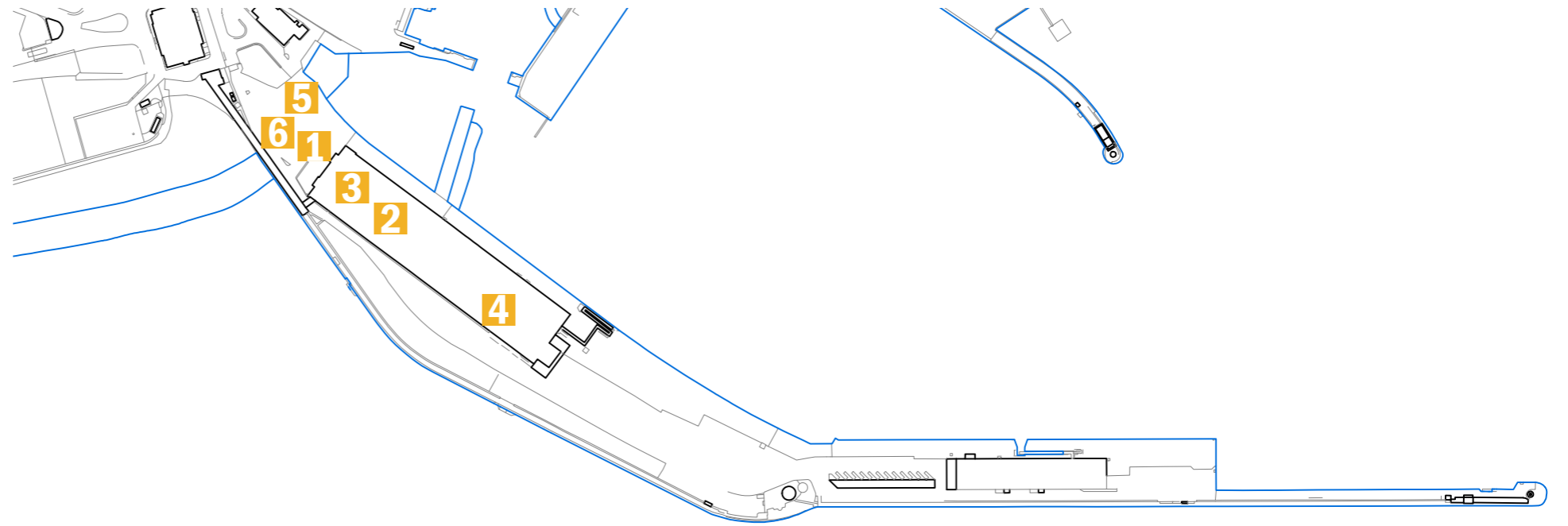
# Existing Elevation

Scale 1:500



# Site Photographs

Photographs taken by Author on site visit.





**Historic Mapping of Dover**  
**1870**



Scale 1:10,000,

## Layered Historic Maps of Dover



# Logistical Strategy



# Design Development

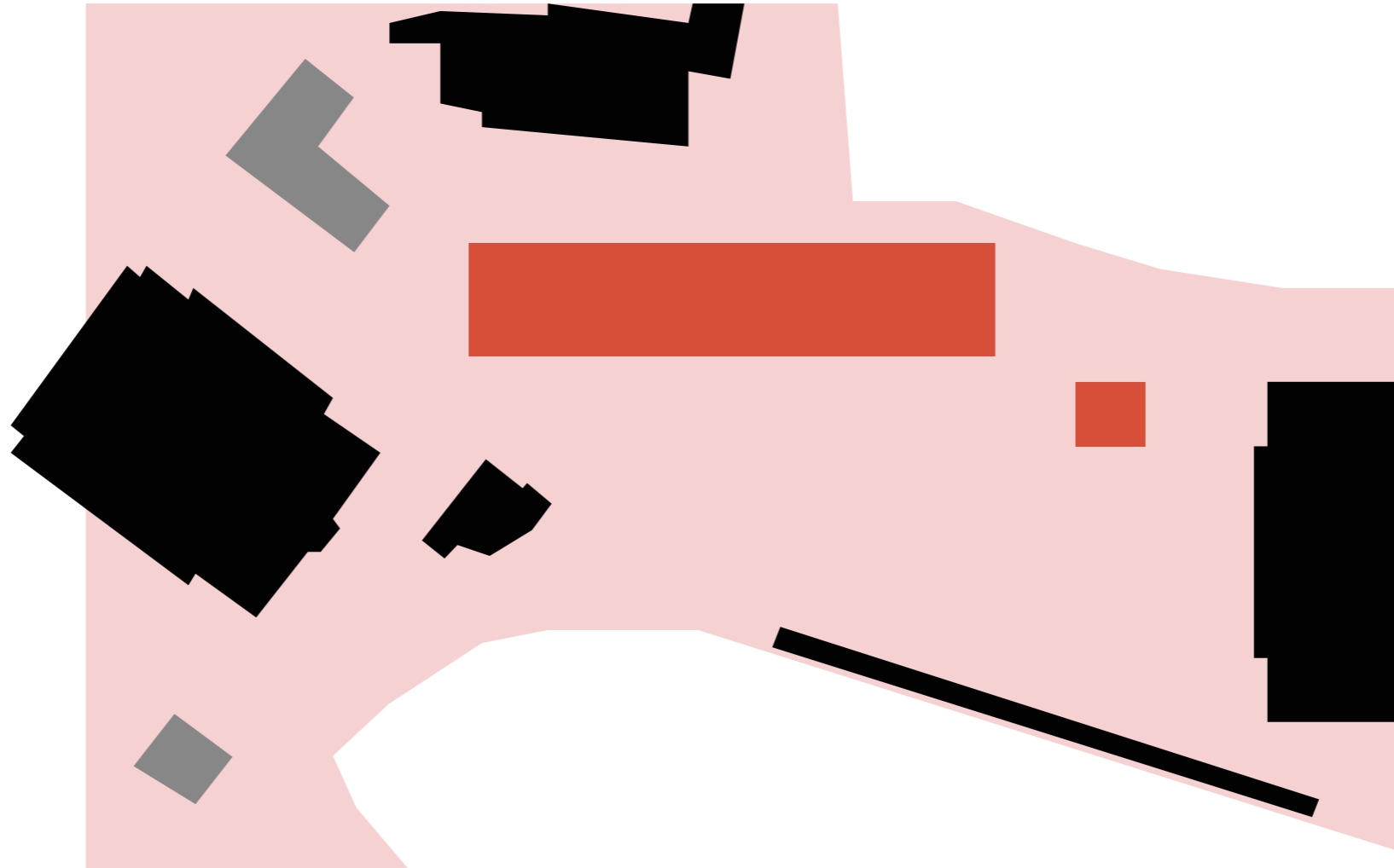




# Concept

The proposed public realm, that consists of 3 main components, shown in red.

A new building, a tower, and a paving design to stitch these together with the existing.



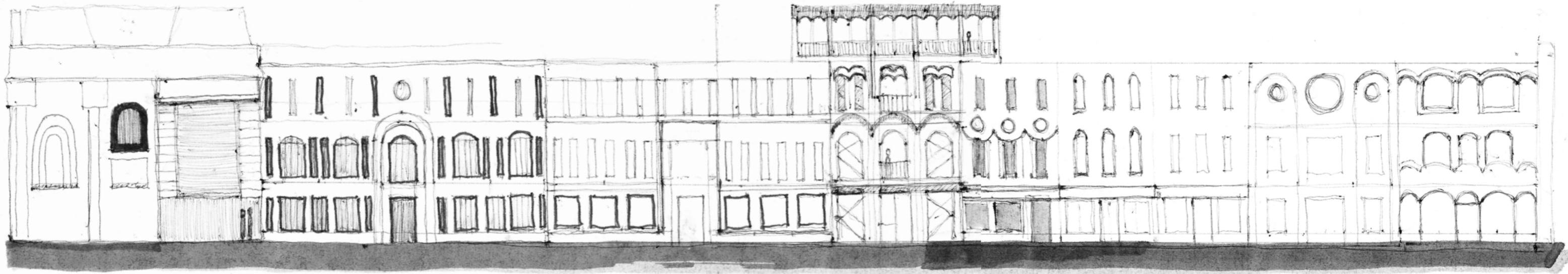
# Re-Working

A process of pulling out what is important from the collections.



# An Imagined Elevation

Born from collaging fragments of lost Dover.



# Final Proposal





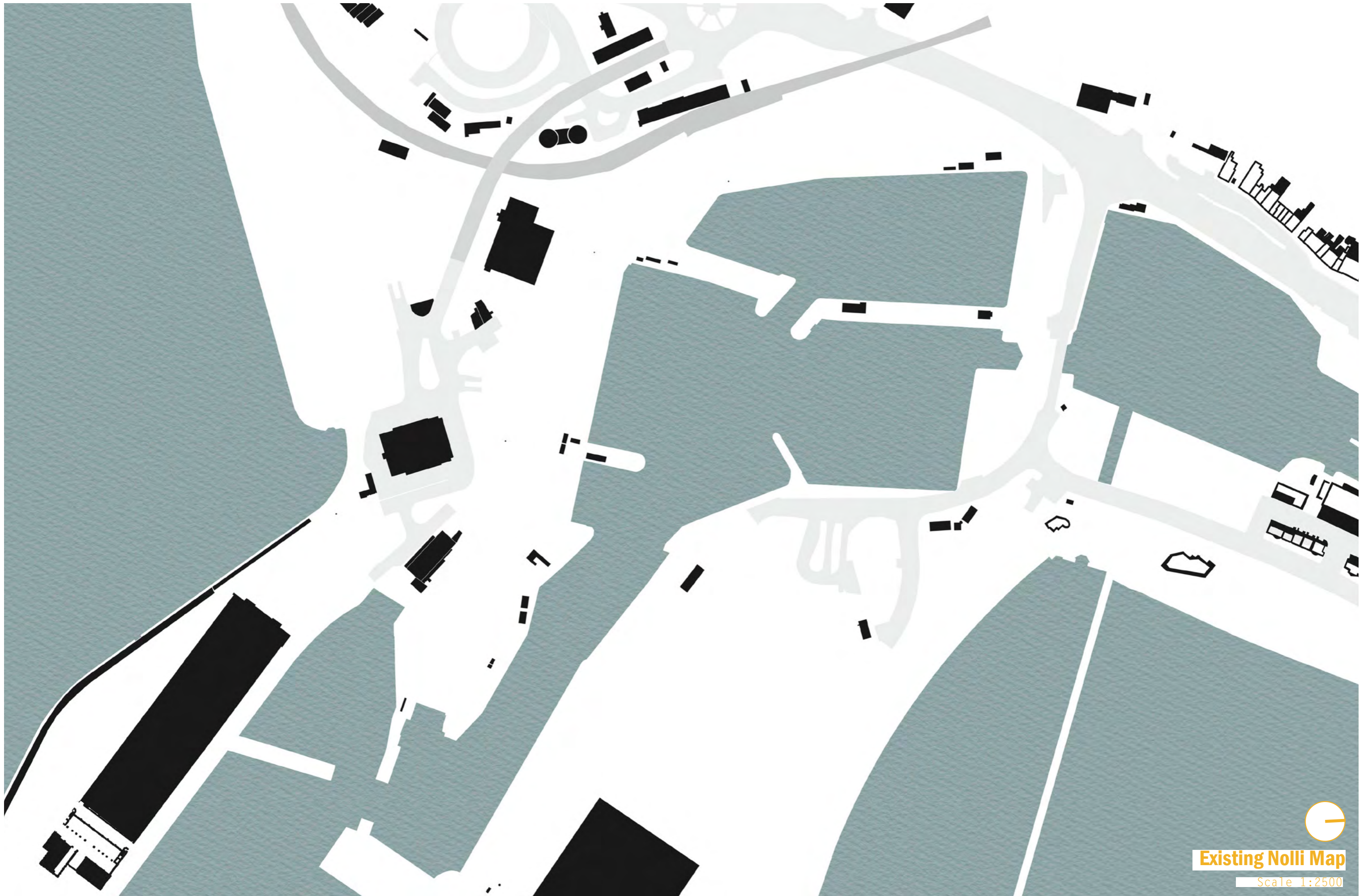
**Proposed Location Plan**

Scale 1:10,000

# Site Models

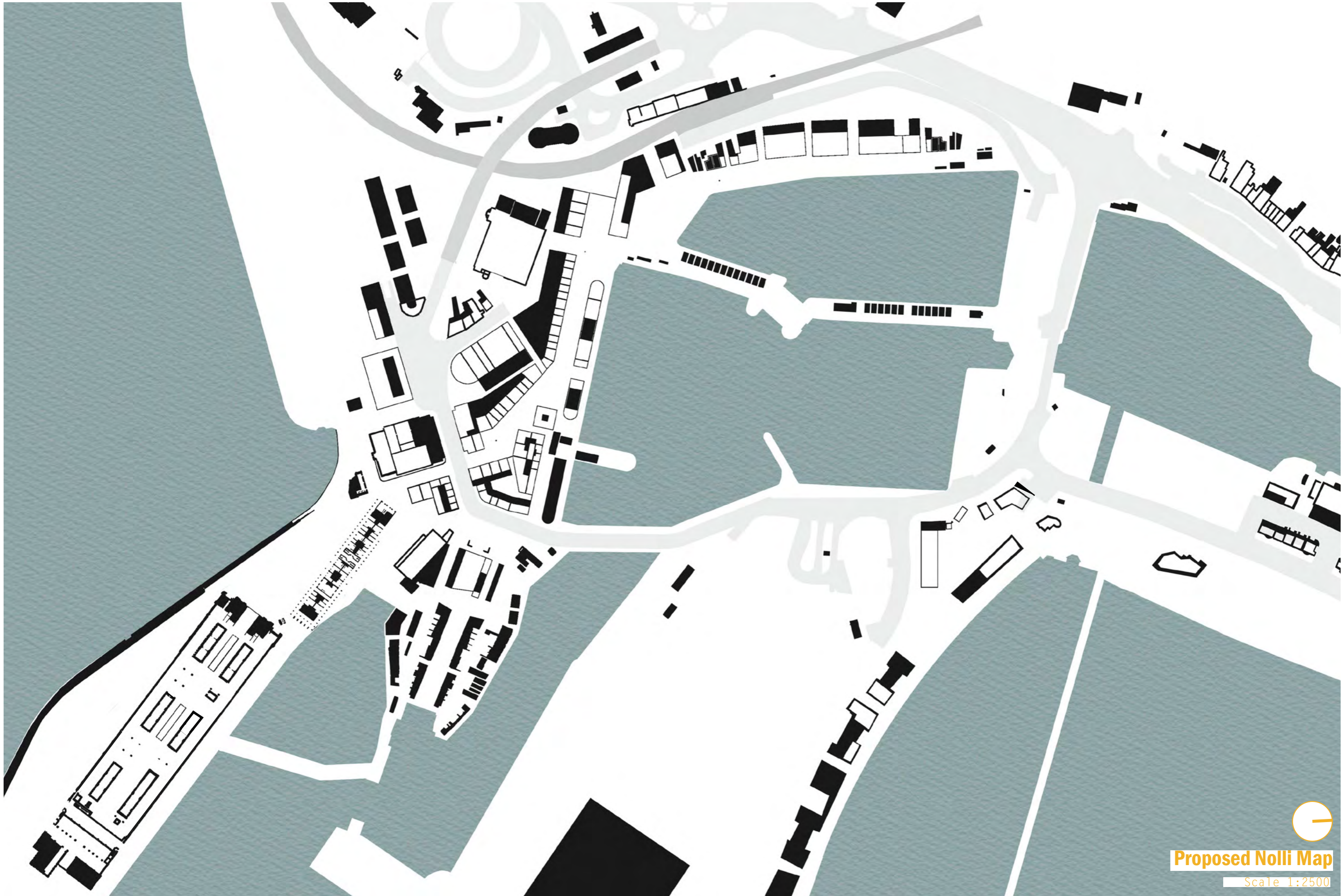
Existing and Proposed Dover Western Docks.





Existing Nollimap

Scale 1:2500

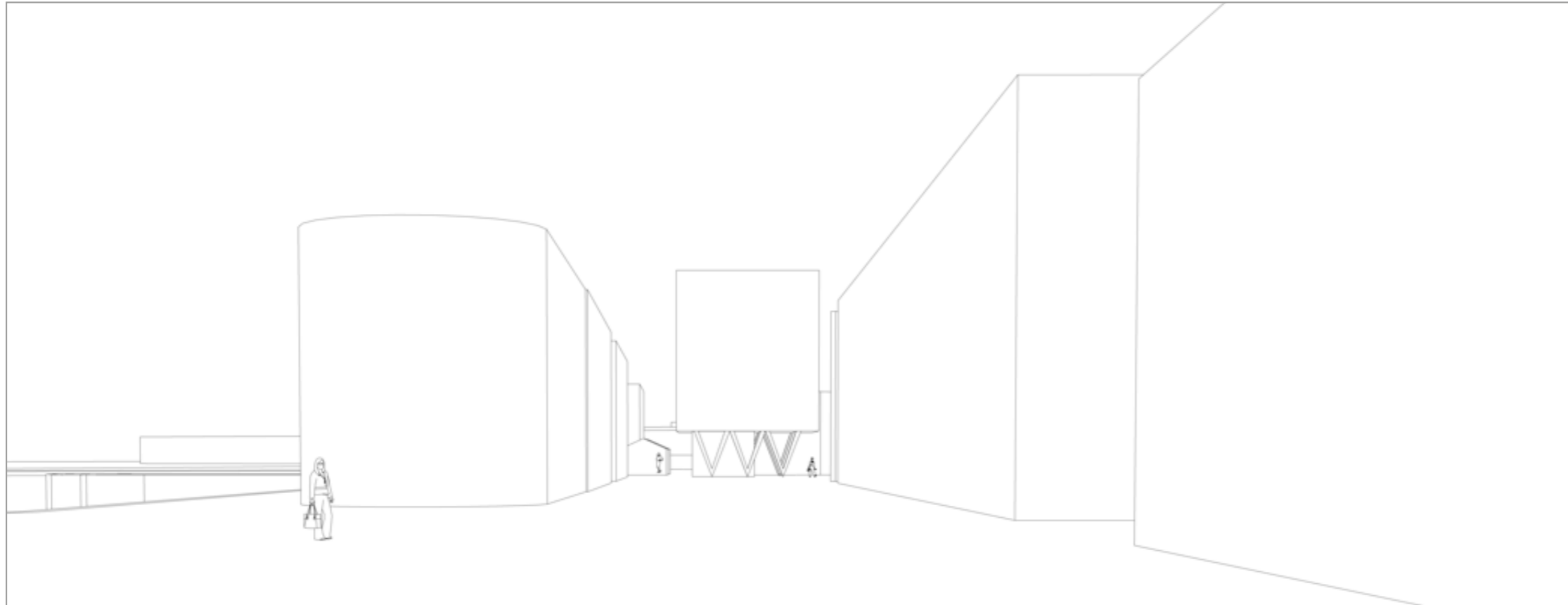


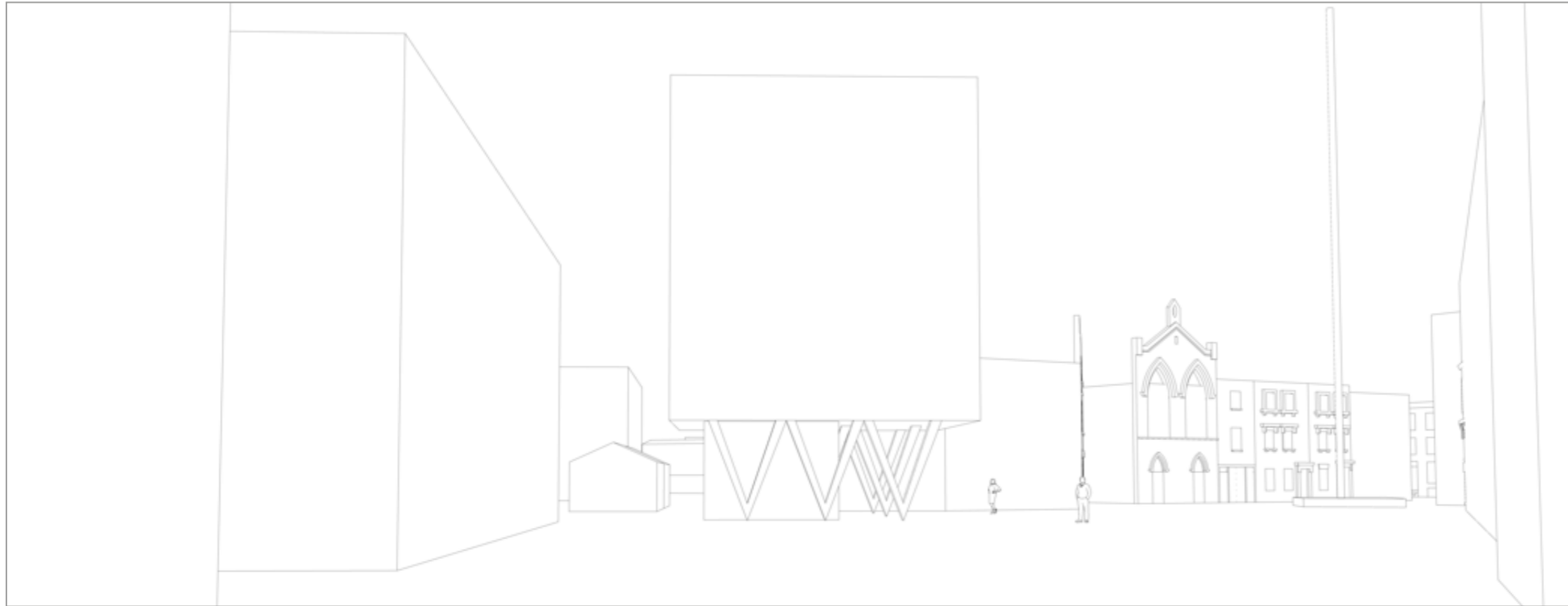
**Proposed Noll Map**

Scale 1:2500

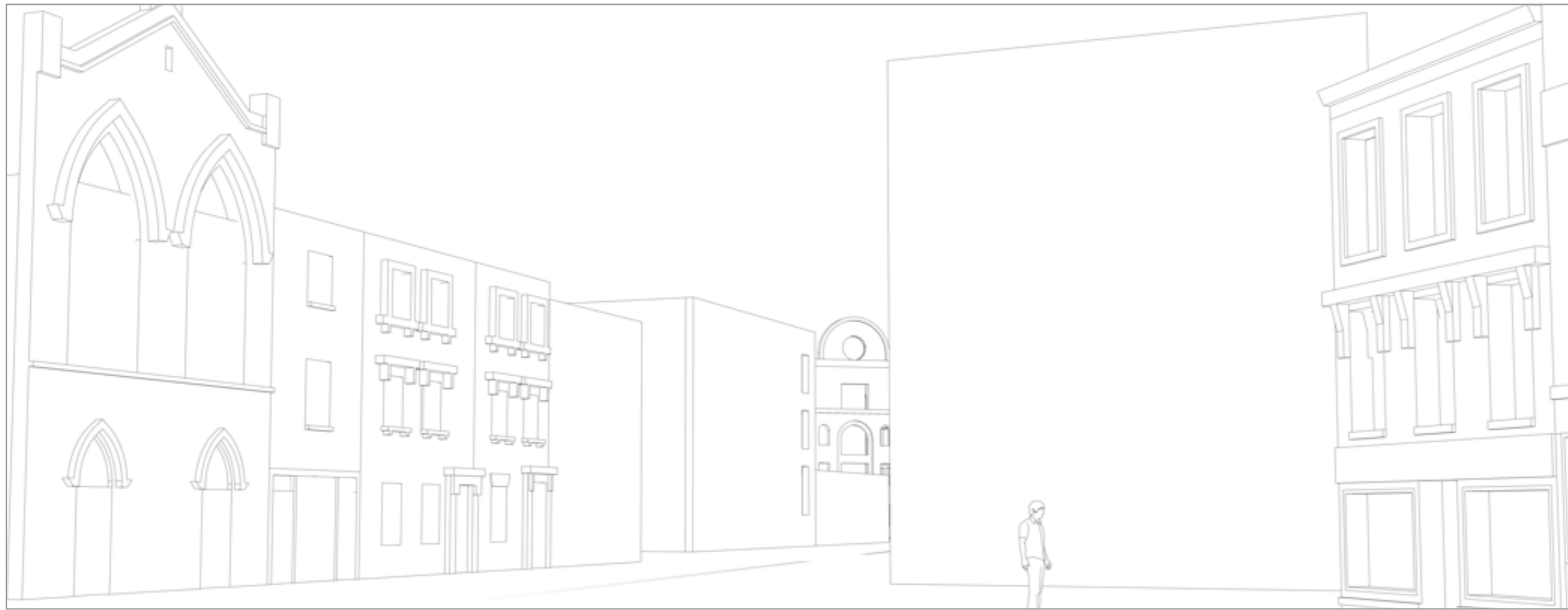
# Procession of Public Spaces

Leading from re-instated Dover Harbour Station, to the re-purposed Former Dover Marine Station.



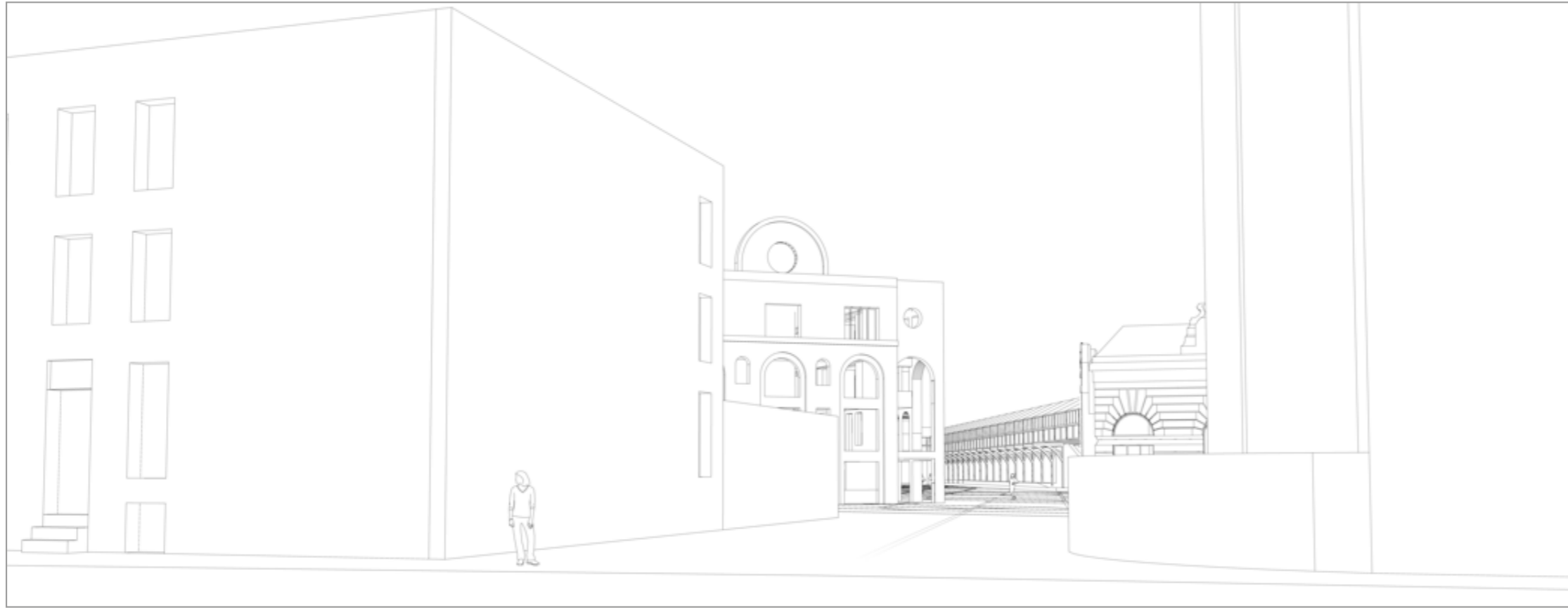






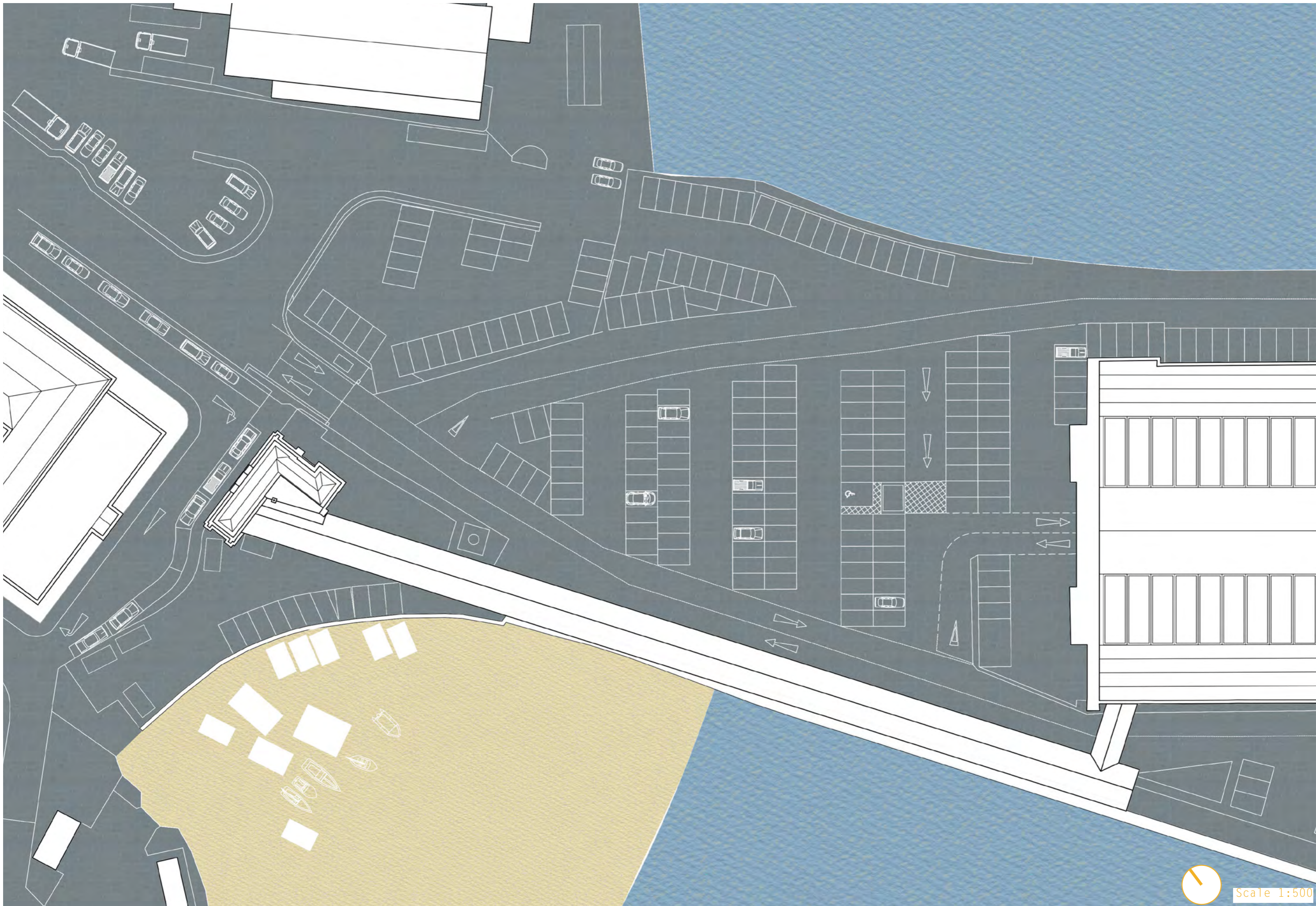




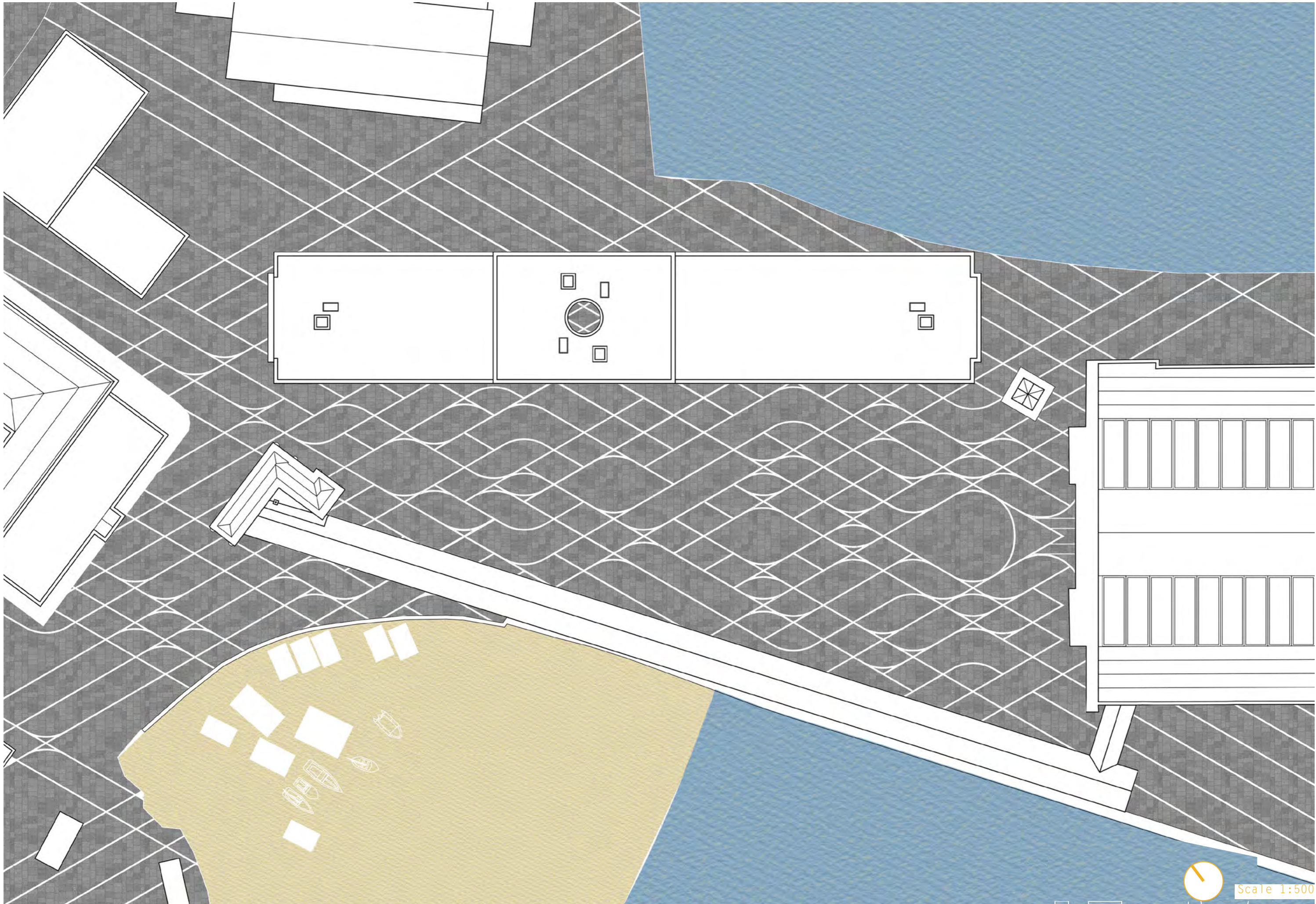




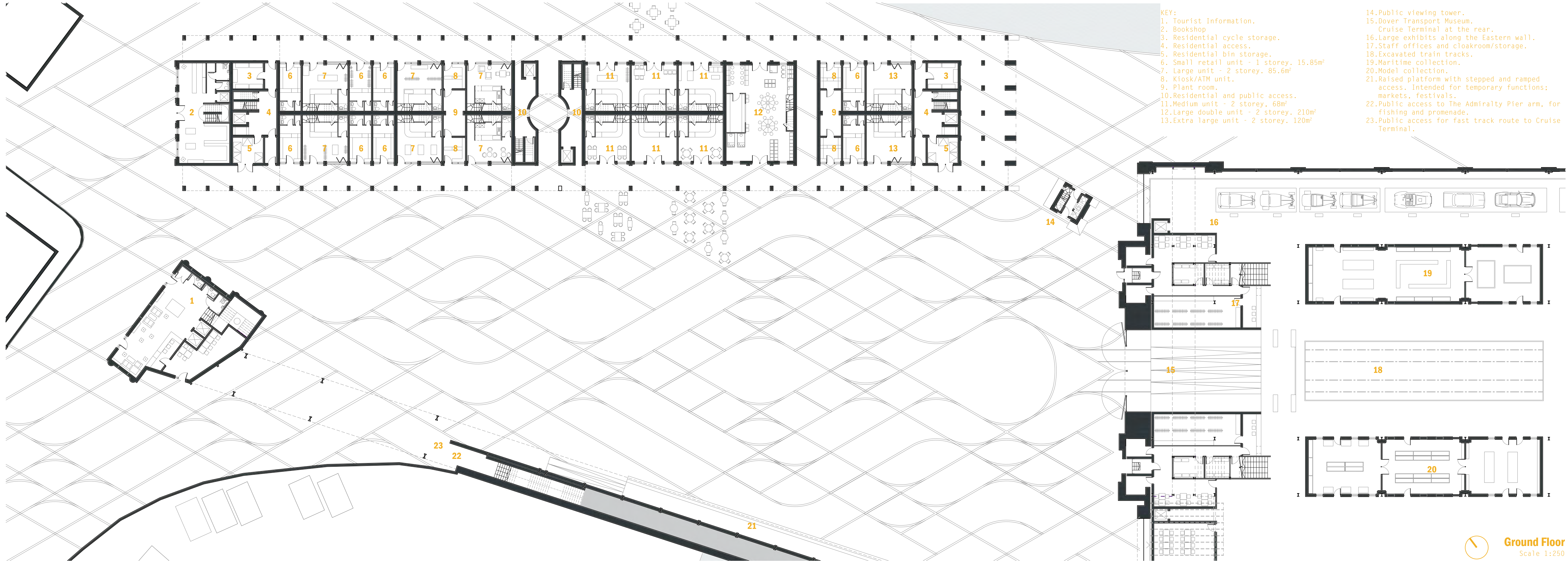




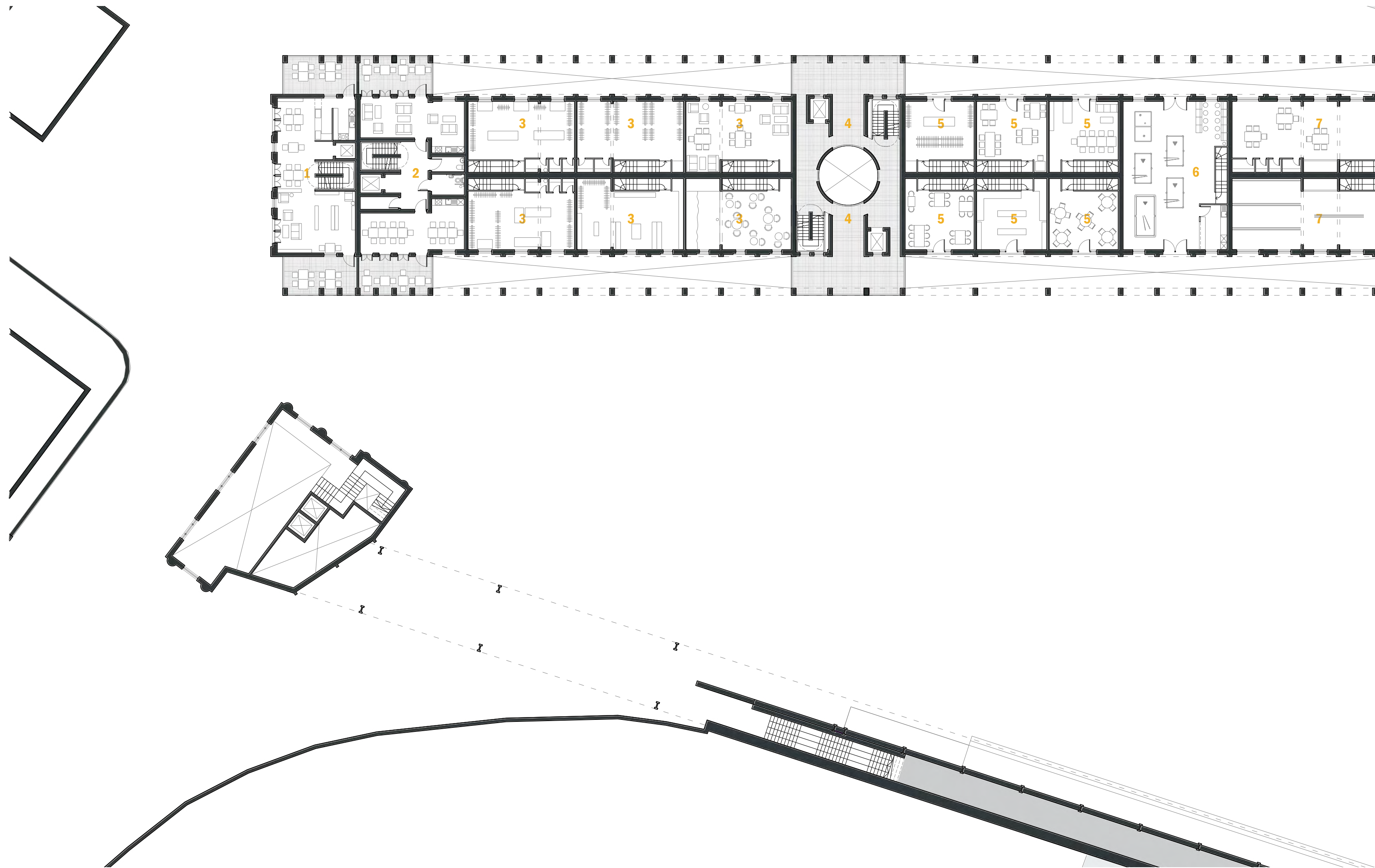
Scale 1:500



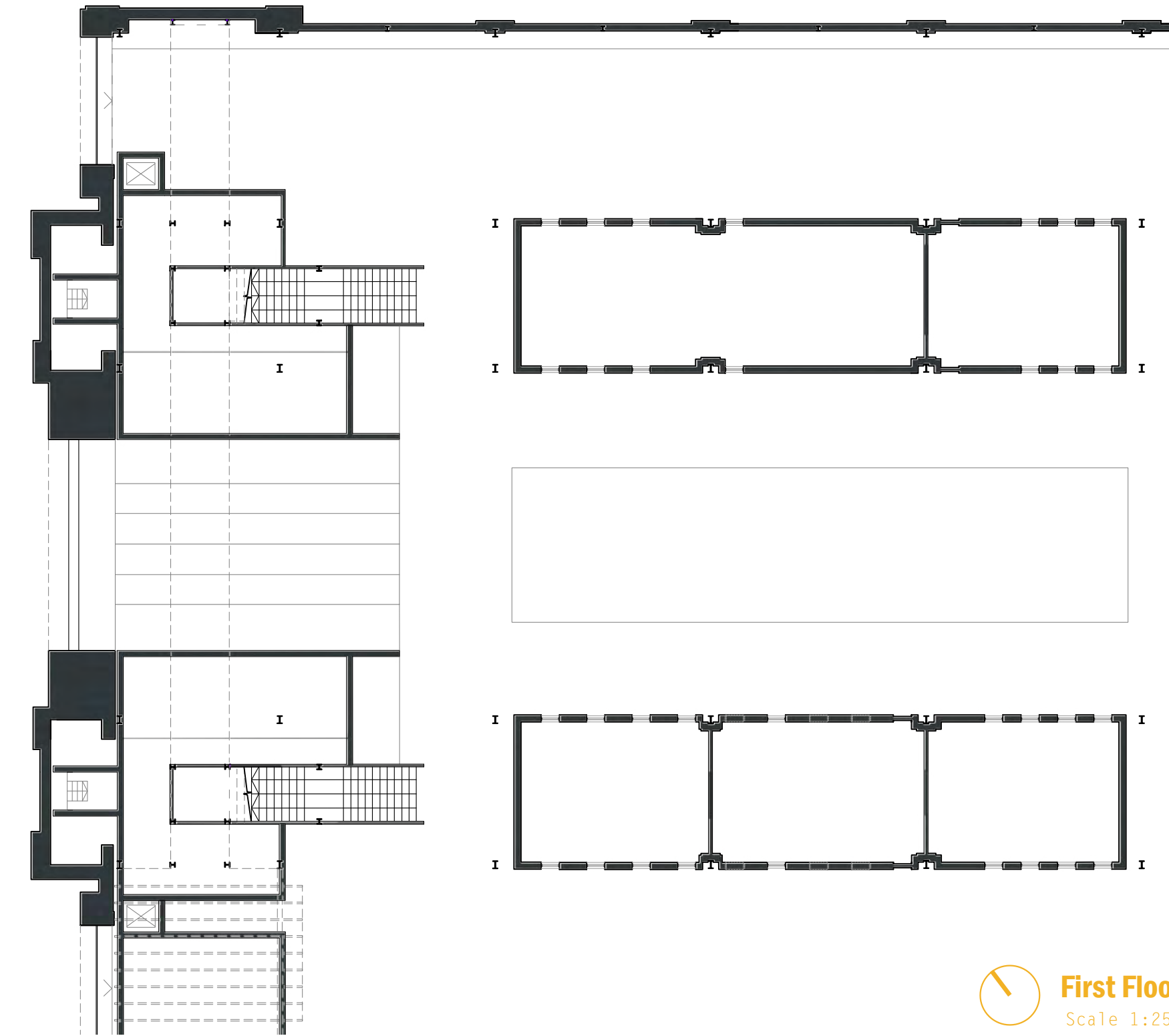
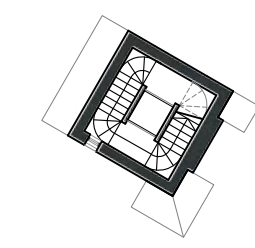
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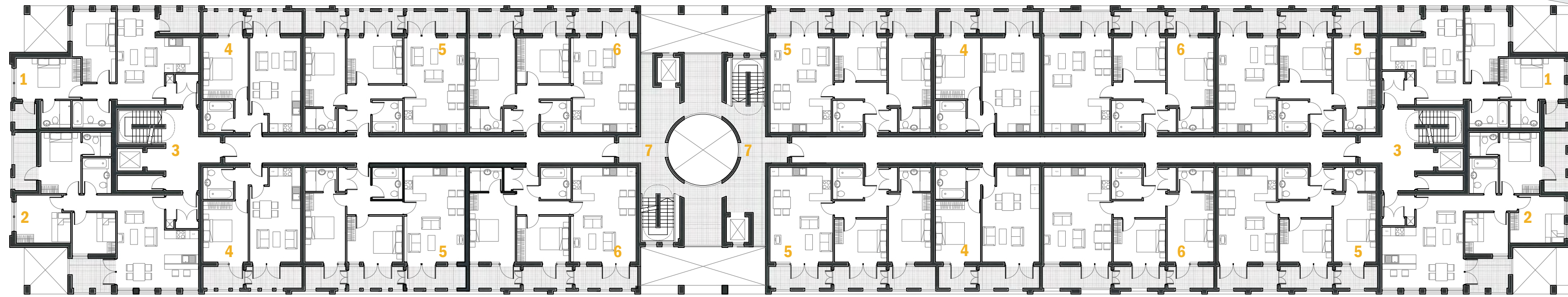
- KEY:**
- 1. Tourist Information.
  - 2. Bookshop
  - 3. Residential cycle storage.
  - 4. Residential access.
  - 5. Residential bin storage.
  - 6. Small retail unit - 1 storey. 15.85m<sup>2</sup>
  - 7. Large unit - 2 storey. 85.6m<sup>2</sup>
  - 8. Kiosk/ATM unit.
  - 9. Plant room.
  - 10. Residential and public access.
  - 11. Medium unit - 2 storey. 68m<sup>2</sup>
  - 12. Large double unit - 2 storey. 210m<sup>2</sup>
  - 13. Extra large unit - 2 storey. 120m<sup>2</sup>
  - 14. Public viewing tower.
  - 15. Dover Transport Museum. Cruise Terminal at the rear.
  - 16. Large exhibits along the Eastern wall.
  - 17. Staff offices and cloakroom/storage.
  - 18. Excavated train tracks.
  - 19. Maritime collection.
  - 20. Model collection.
  - 21. Raised platform with stepped and ramped access. Intended for temporary functions; markets, festivals.
  - 22. Public access to The Admiralty Pier arm, for fishing and promenade.
  - 23. Public access for fast track route to Cruise Terminal.



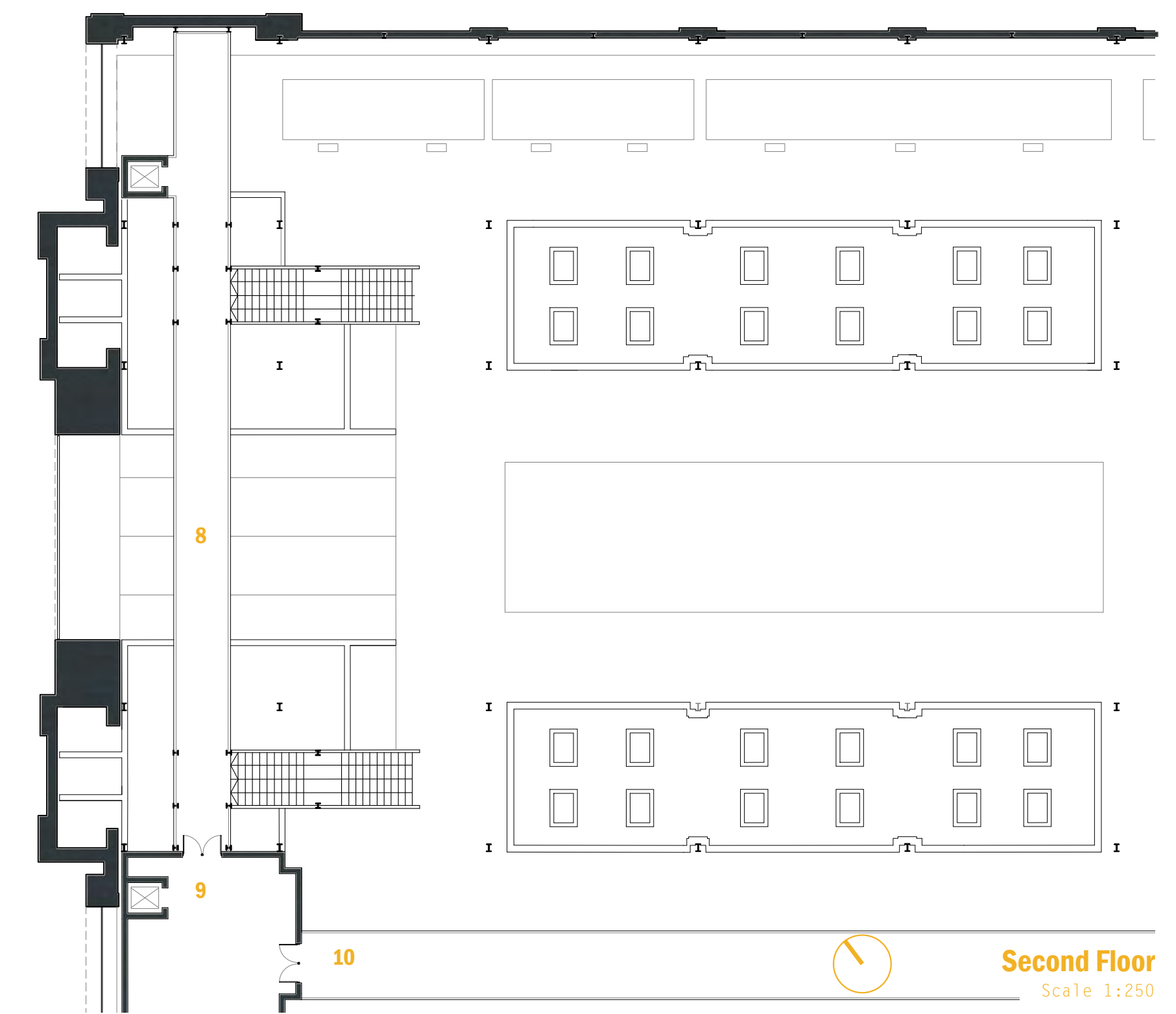
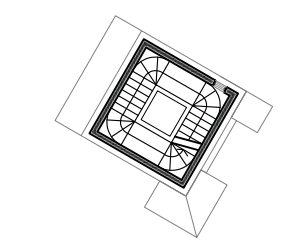
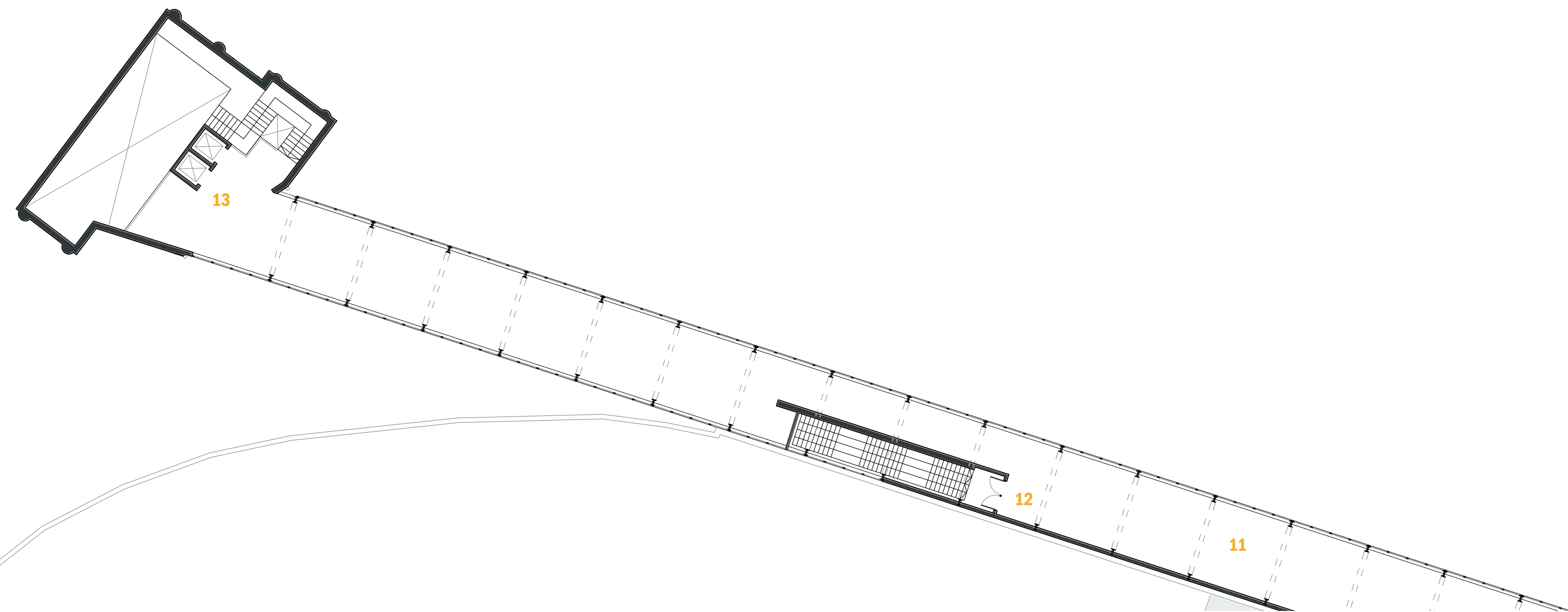
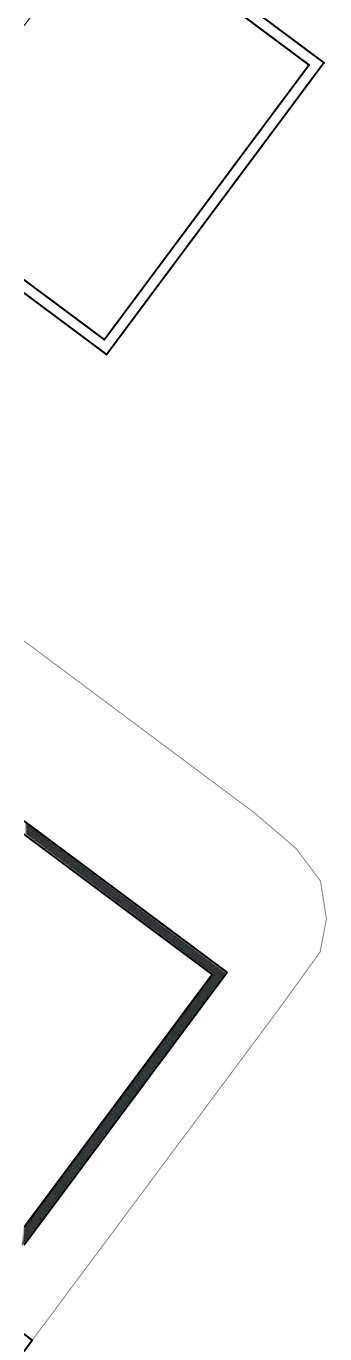
- KEY:
- 1. Bookshop
  - 2. Residential access and communal spaces
  - 3. Large unit - 2 storey. 85.6m<sup>2</sup>
  - 4. Residential and public access
  - 5. Medium unit - 2 storey. 68m<sup>2</sup>
  - 6. Large double unit - 2 storey. 210m<sup>2</sup>
  - 7. Extra large unit - 2 storey. 120m<sup>2</sup>

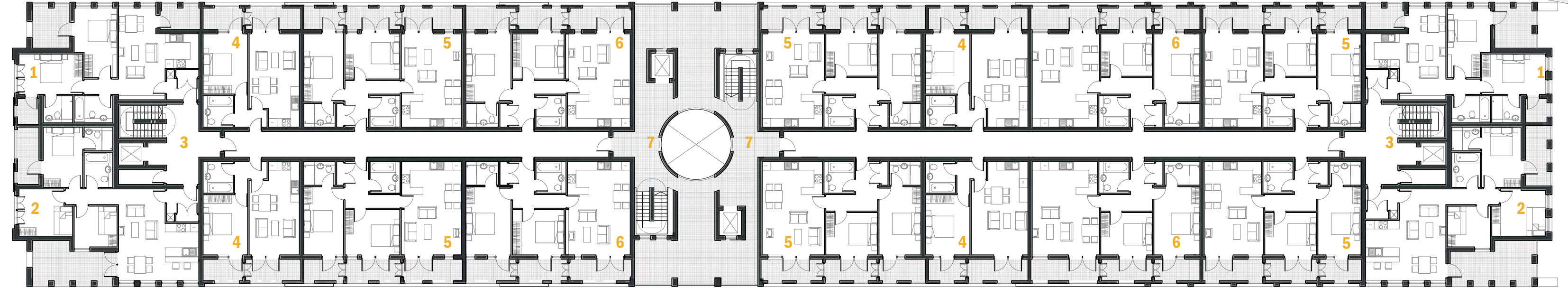




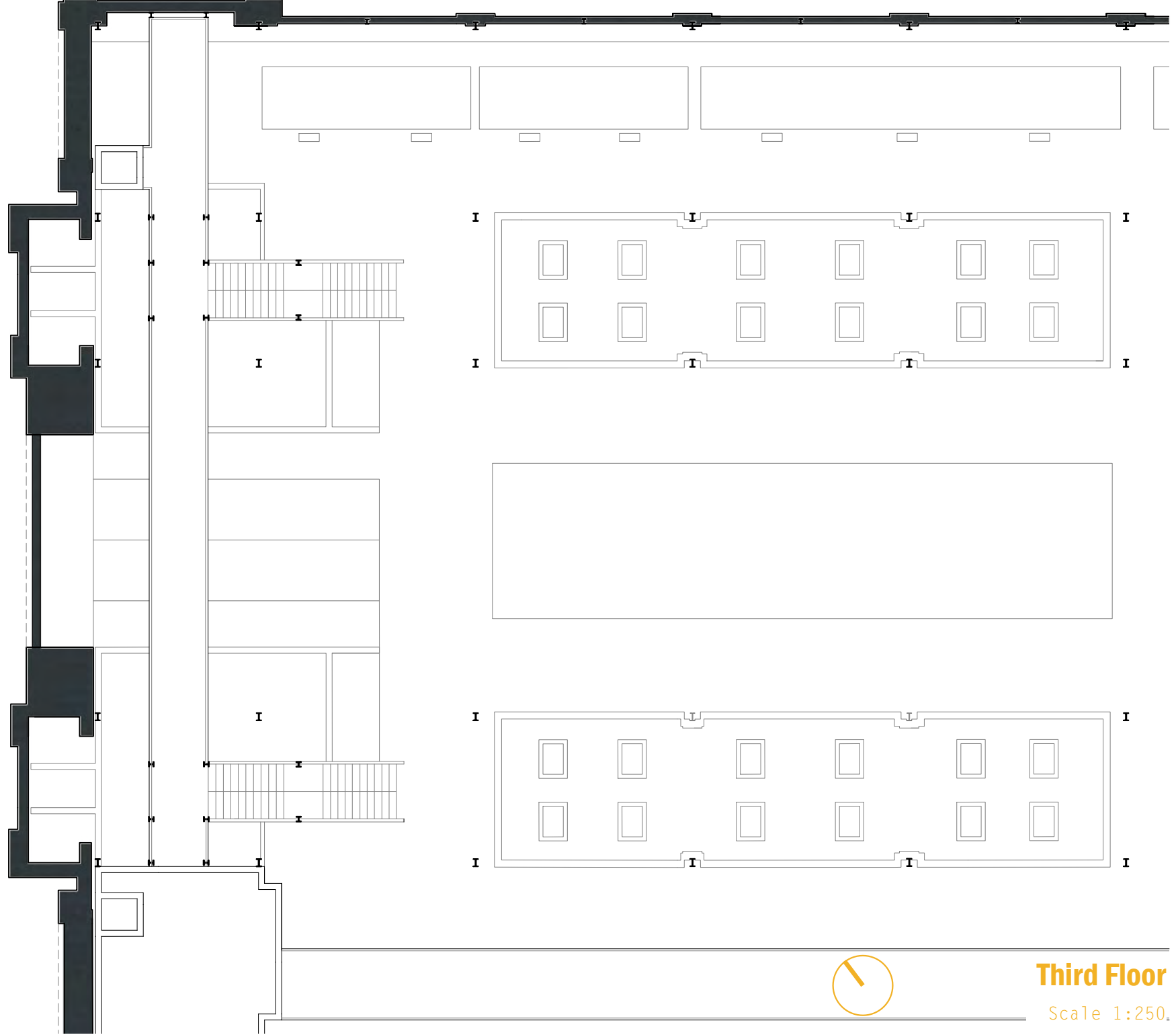
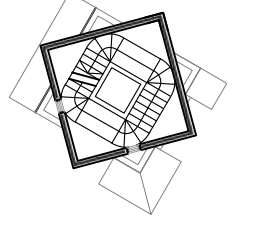
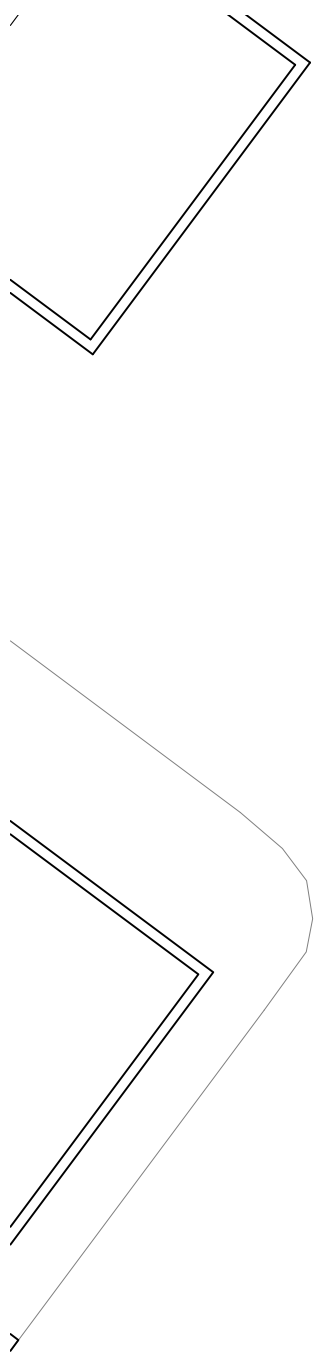


- KEY:
- 1. 2bed, 4 people. 70m<sup>2</sup>
  - 2. 3bed, 4 people. 82m<sup>2</sup>
  - 3. Residential access.
  - 4. 1bed, 2 people. 50m<sup>2</sup>
  - 5. 2bed, 4 people. 71m<sup>2</sup>
  - 6. 2bed, 4 people. 75m<sup>2</sup>
  - 7. Residential and public access.
  - 8. Existing raised walkway.
  - 9. Existing structure leading to walkways.
  - 10. Proposed walkway to link the Cruise Terminal at the upper level for fast track access.
  - 11. Public access to The Admiralty Pier arm, for fishing, promenade and Cruise Terminal.
  - 12. Stepped public access route from square.
  - 13. Further public access with full accessibility.

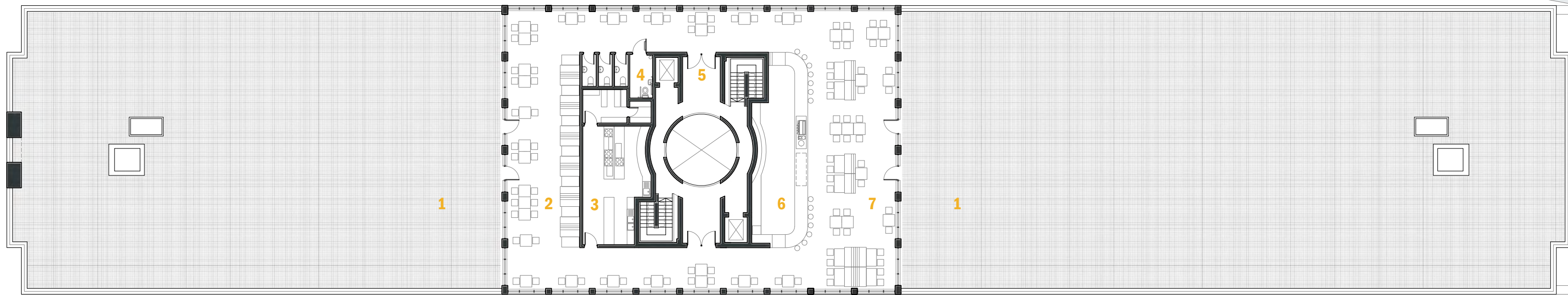
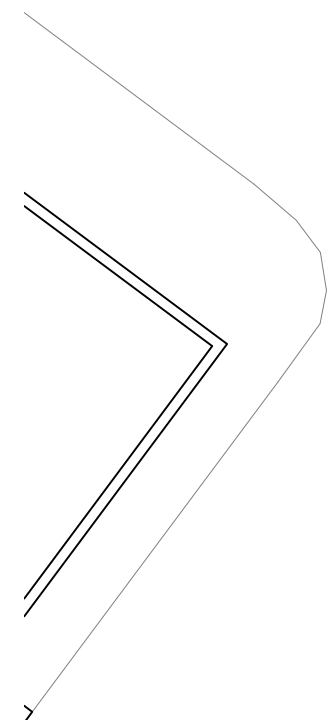
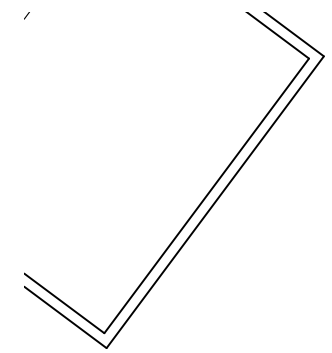




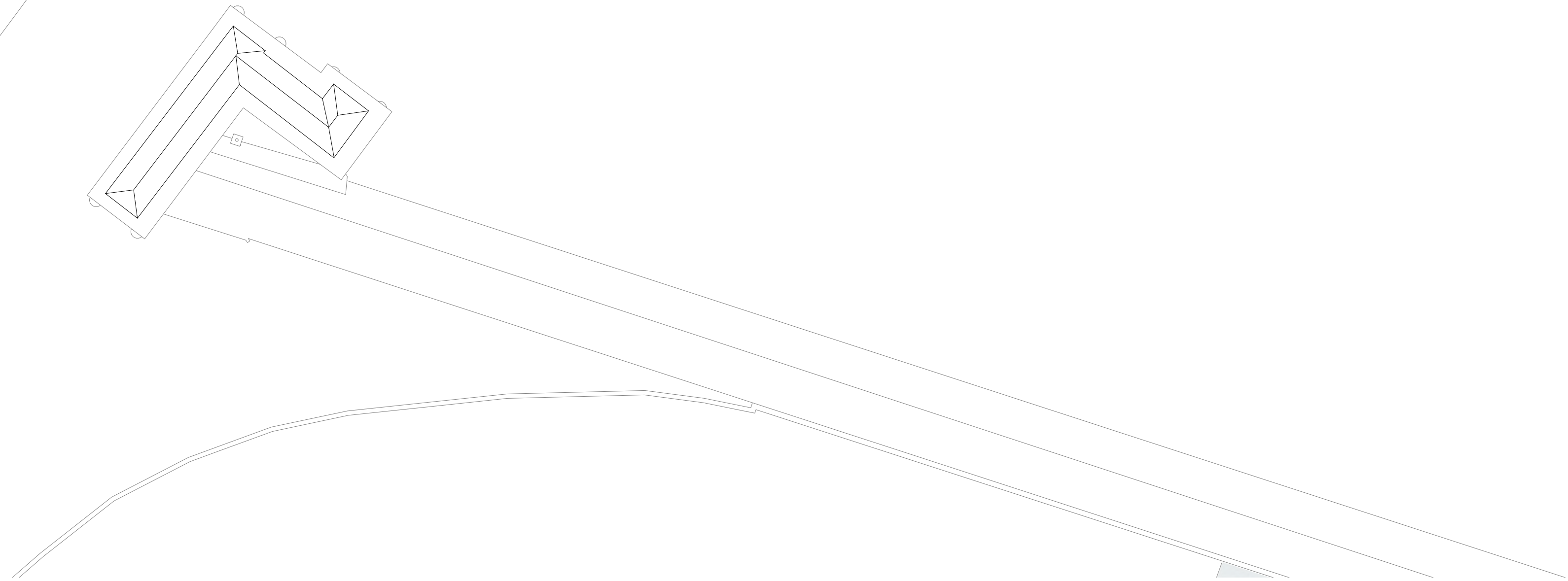
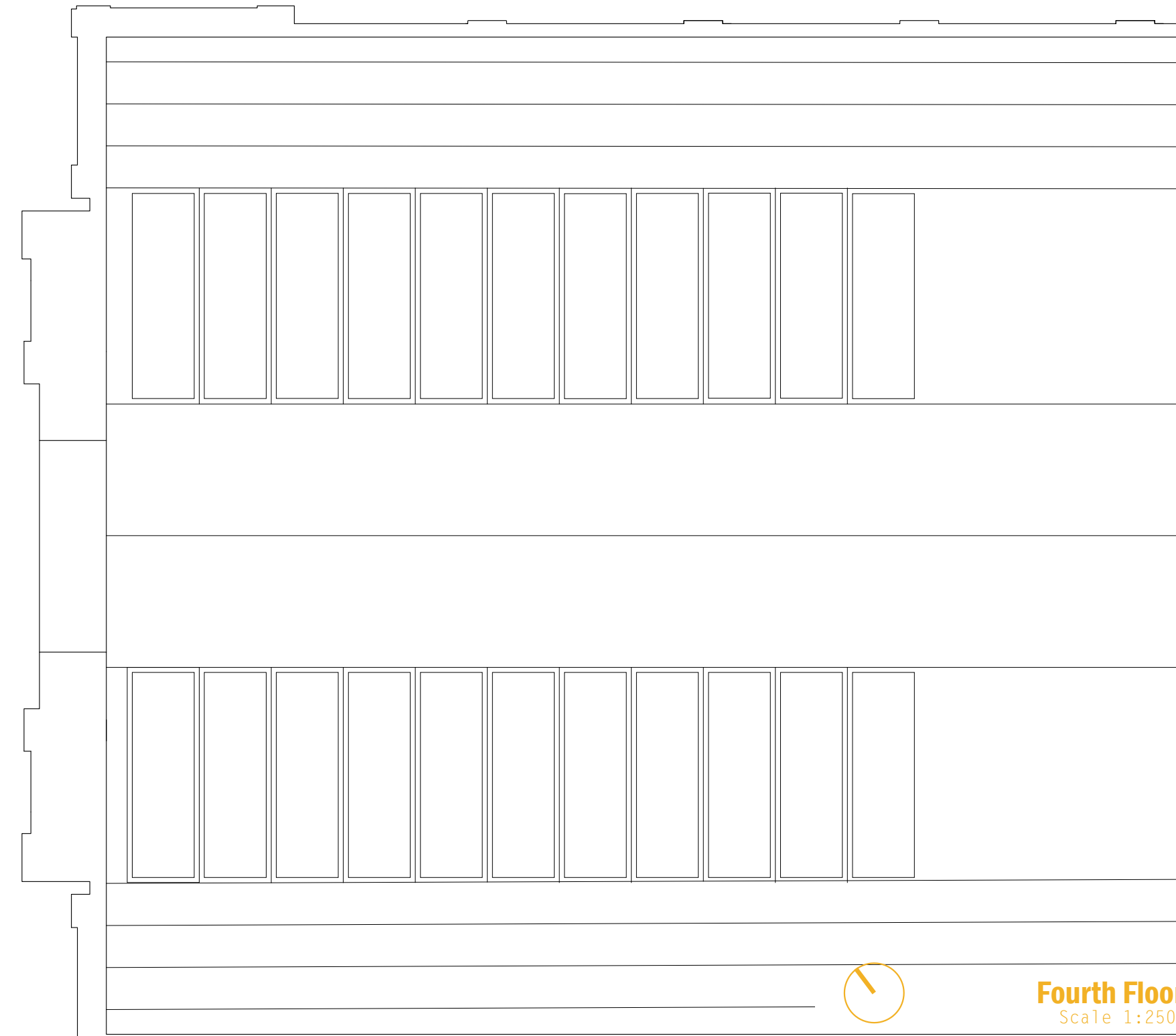
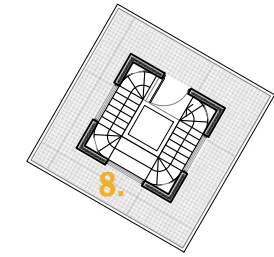
- KEY:
- 1. 2bed, 4 people. 70m<sup>2</sup>
  - 2. 3bed, 4 people. 82m<sup>2</sup>
  - 3. Residential access.
  - 4. 1bed, 2 people. 50m<sup>2</sup>
  - 5. 2bed, 4 people. 71m<sup>2</sup>
  - 6. 2bed, 4 people. 75m<sup>2</sup>
  - 7. Residential and public access.

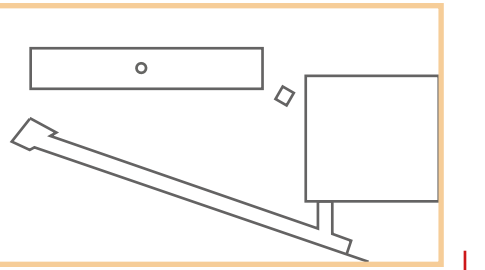
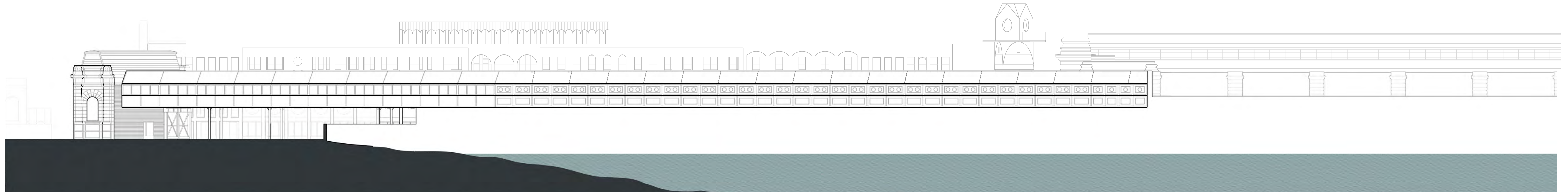


**Third Floor**  
Scale 1:250.

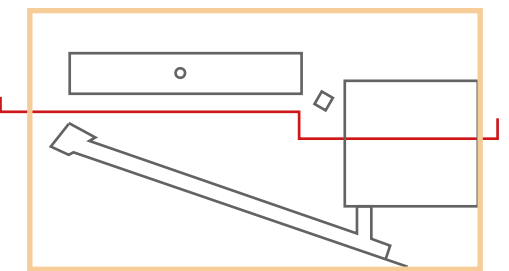


- KEY:
- 1. Public roof terrace
  - 2. Cafe side
  - 3. Kitchen
  - 4. Toilets
  - 5. Public access
  - 6. Bar
  - 7. Bar side
  - 8. External look out from public viewing tower

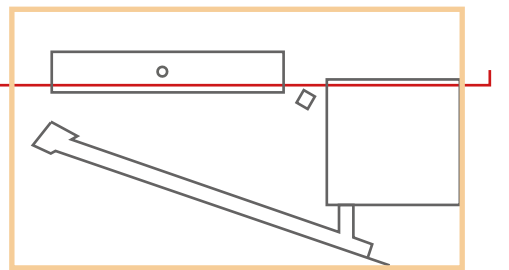




**Contextual West Elevation**  
Scale 1:250

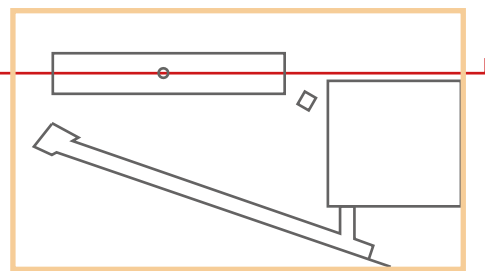
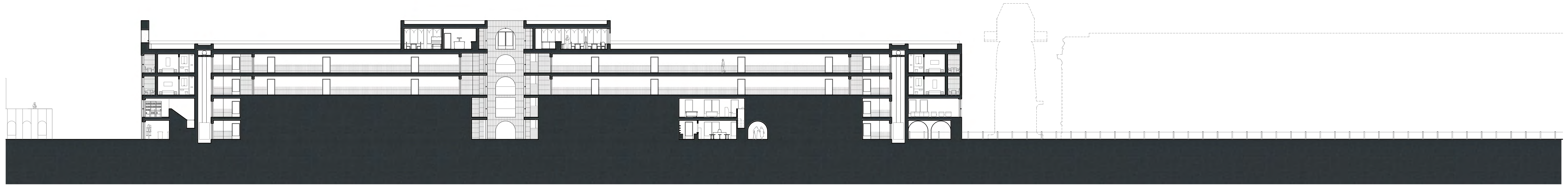


**West Elevation**  
Scale 1:250



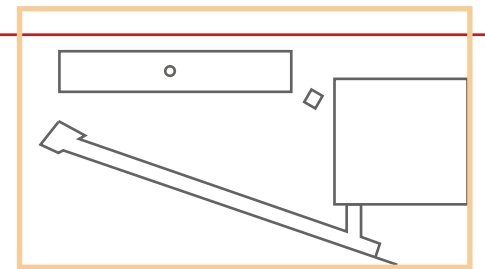
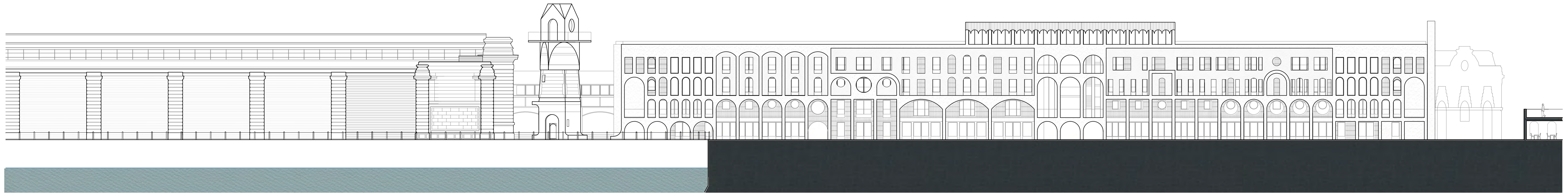
**Facade Section**

Scale 1:250



**Central Section**

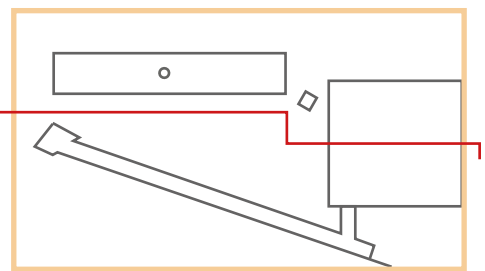
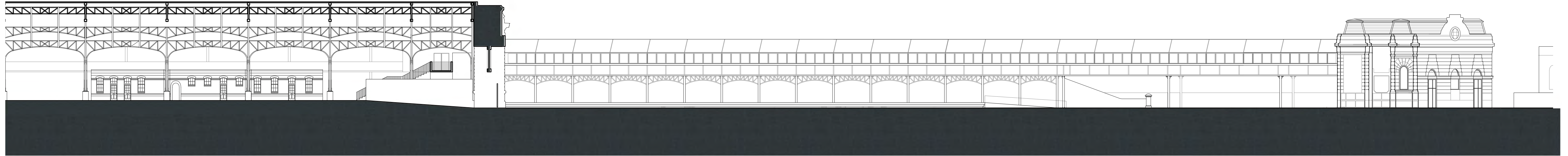
Scale 1:250



**East Elevation**

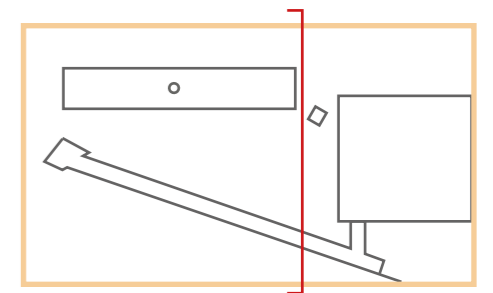
Scale 1:250





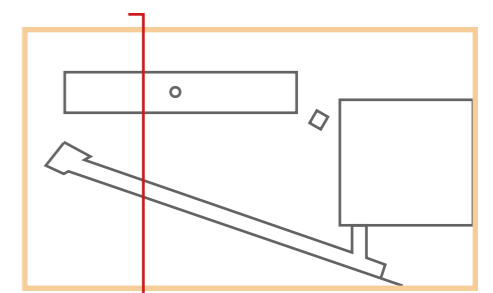
**Walkway Elevation**

Scale 1:250

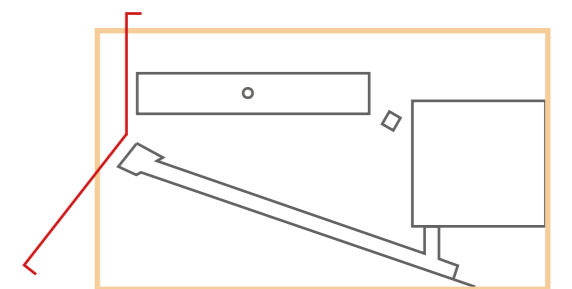
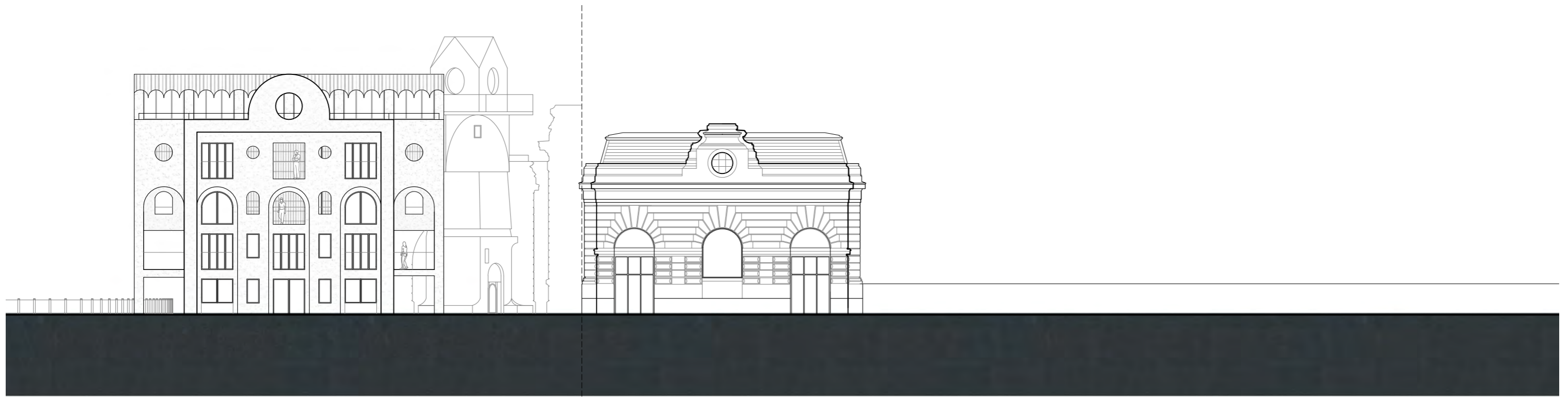


**South Elevation**

Scale 1:250

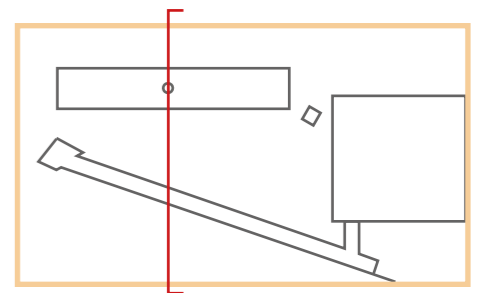
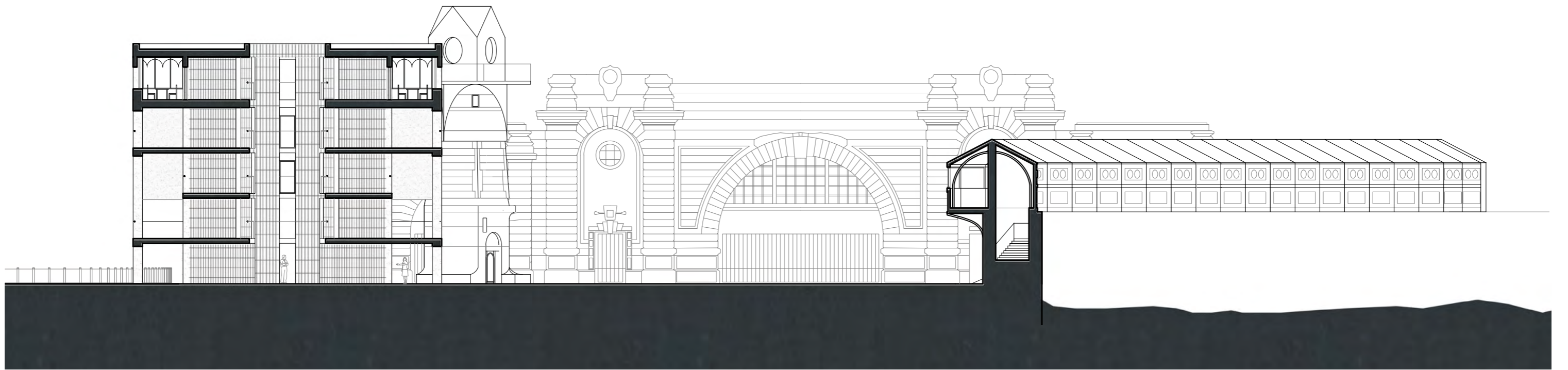


**Retail & Residential Section**  
Scale 1:250



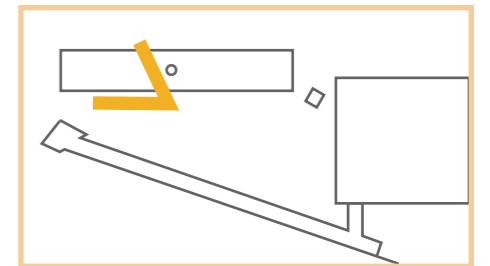
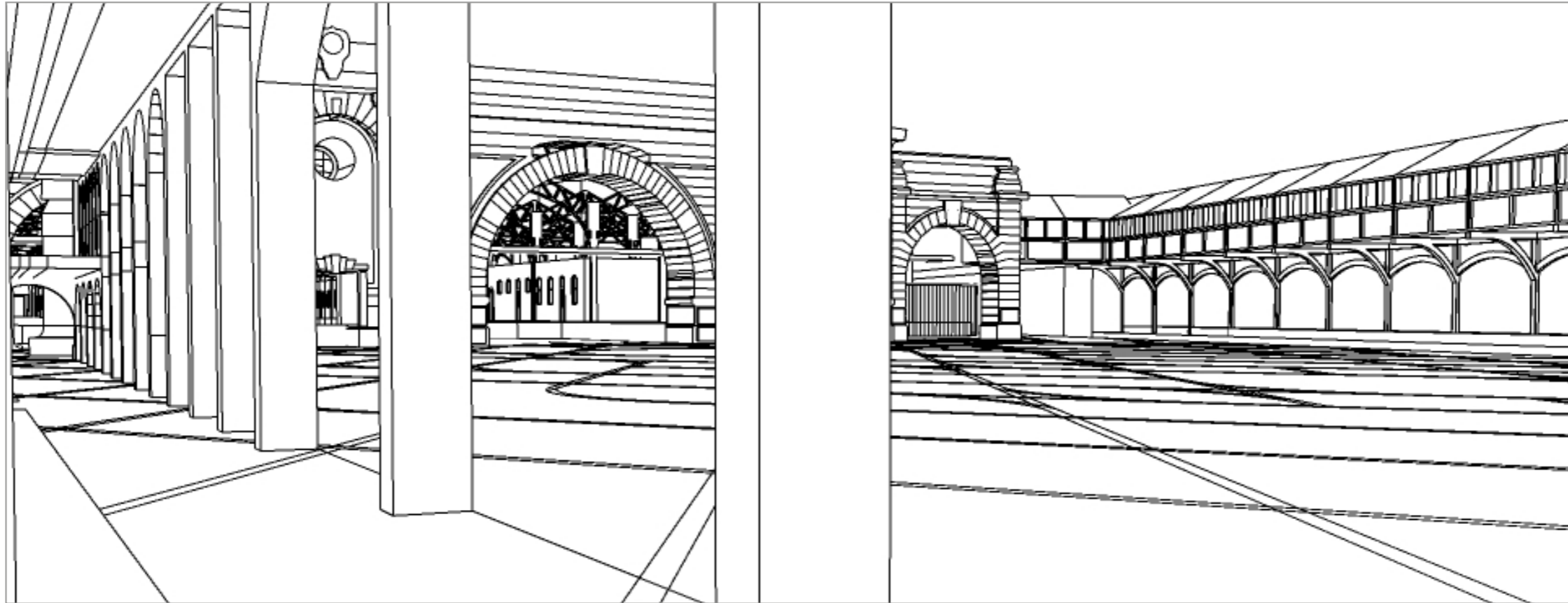
**North Elevation**

Scale 1:250

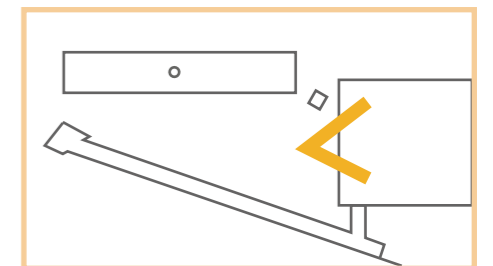
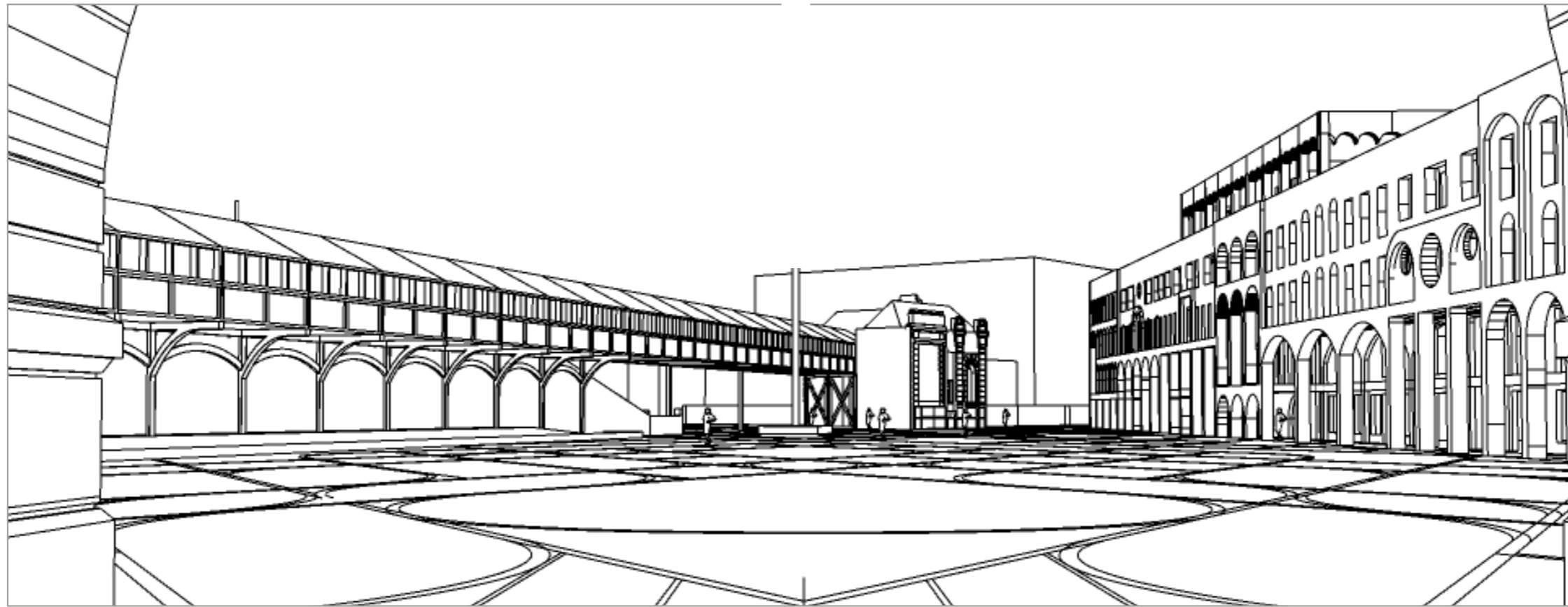


**Circulation Section**

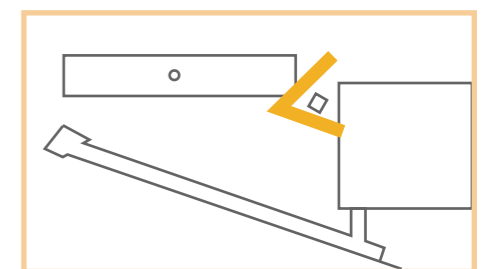
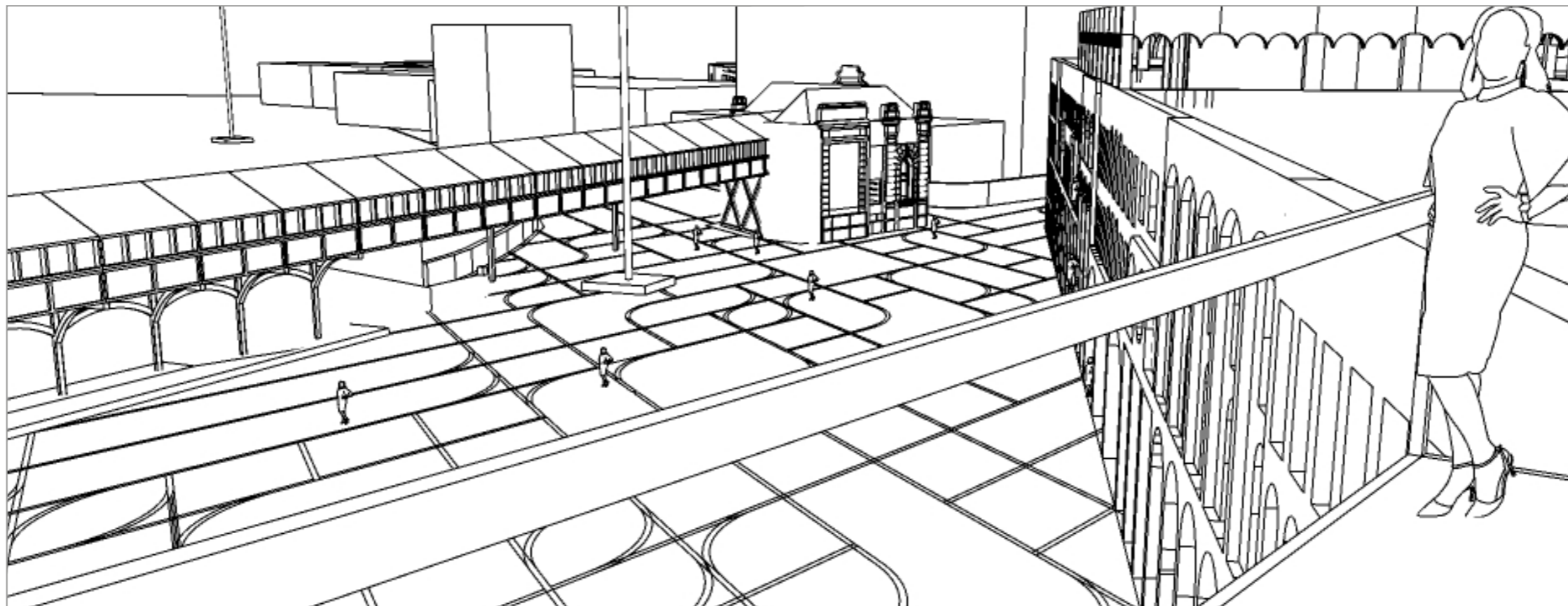
Scale 1:250



**Internal view of Public Square**

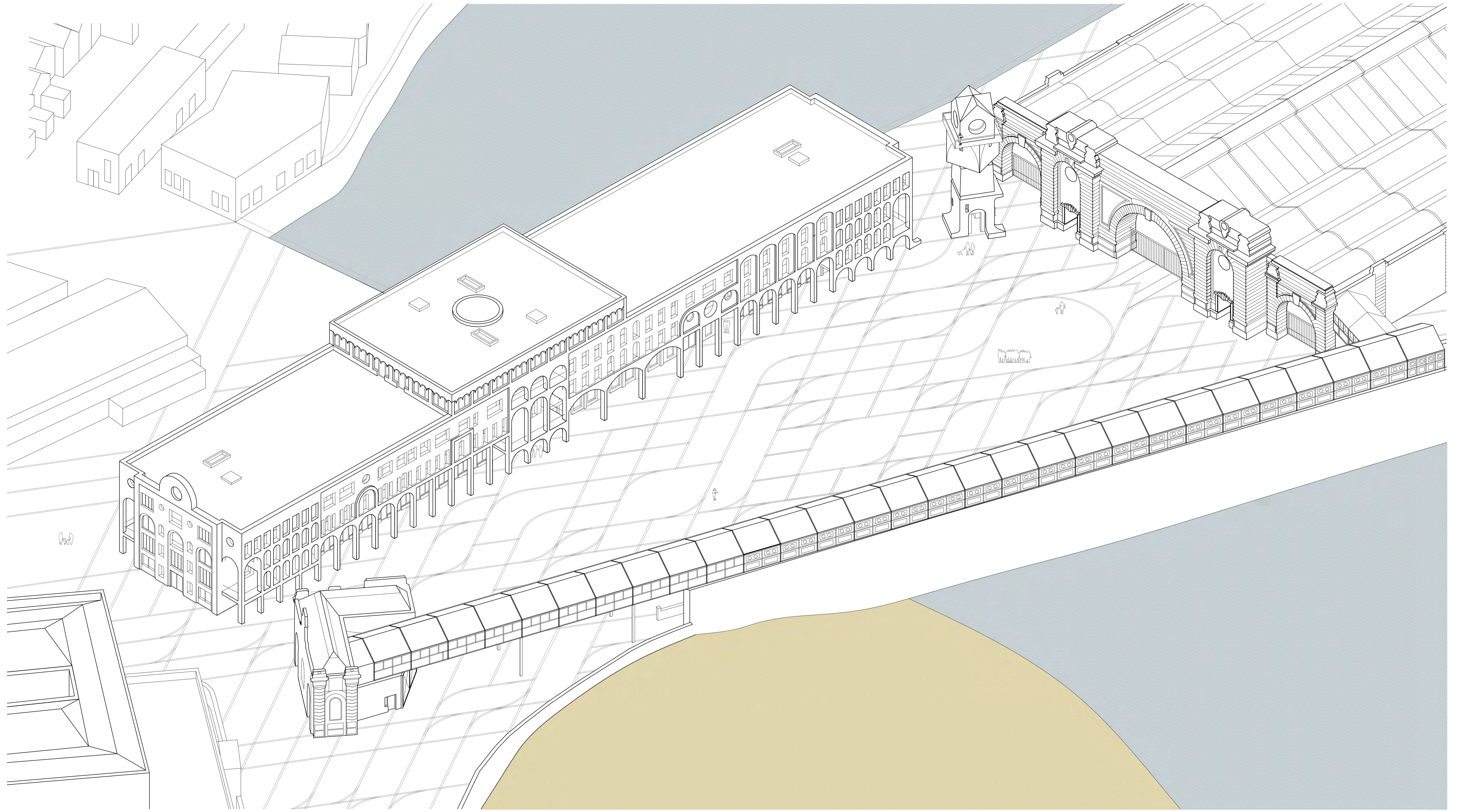


**View of Public Square from the proposed Dover Transport Museum**



**View atop the Proposed Viewing Tower**



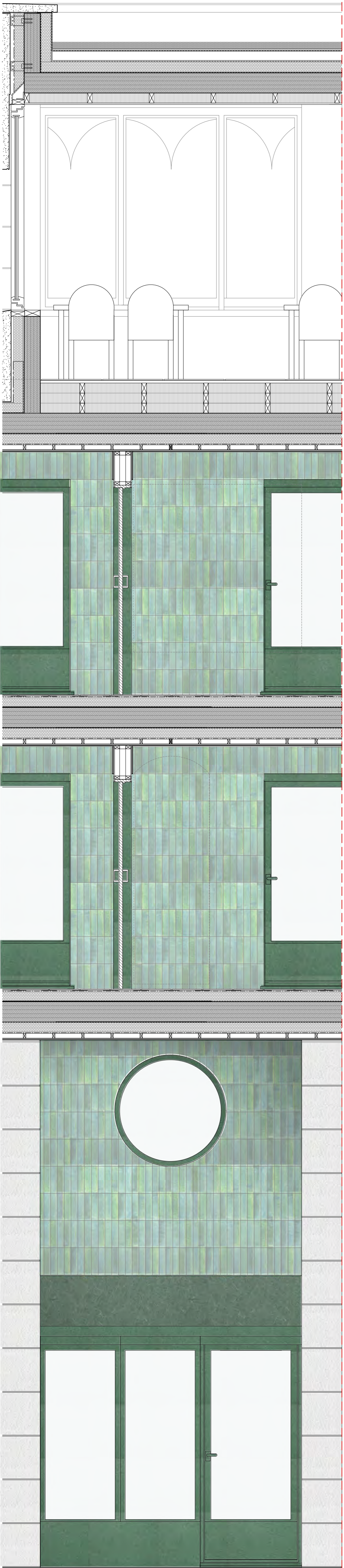


View of Proposed Public Square

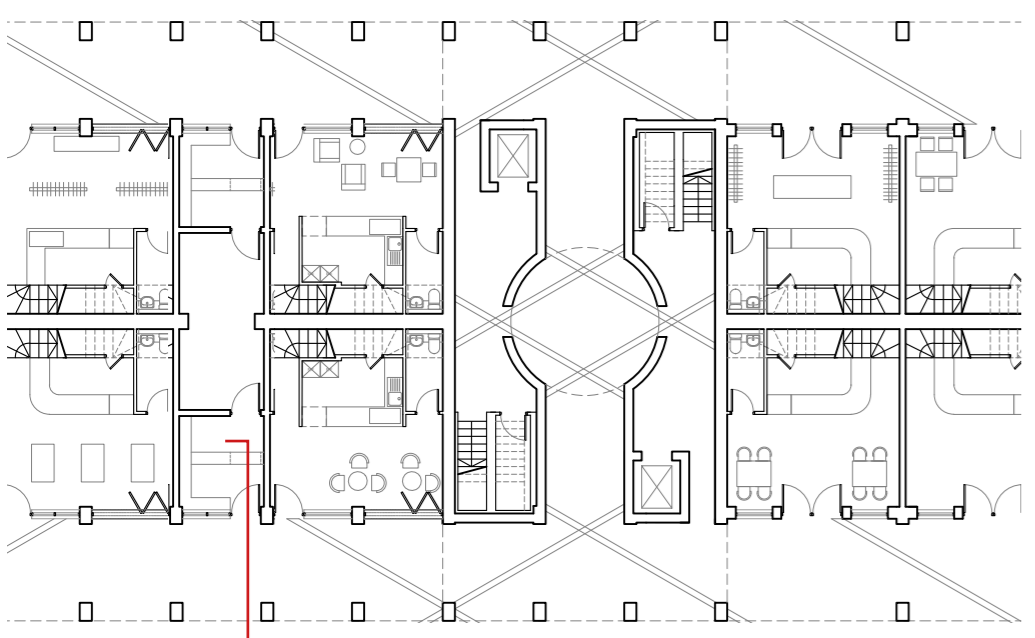
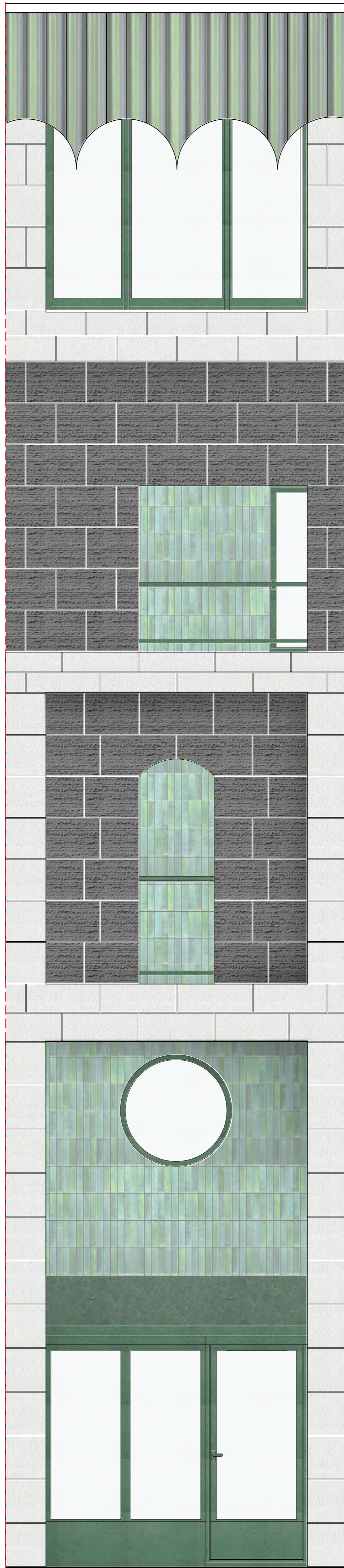


Facade Study Model

Bay elevation - section  
Secondary inner facade



Bay elevation  
Principle elevation



Reference key for section cut.

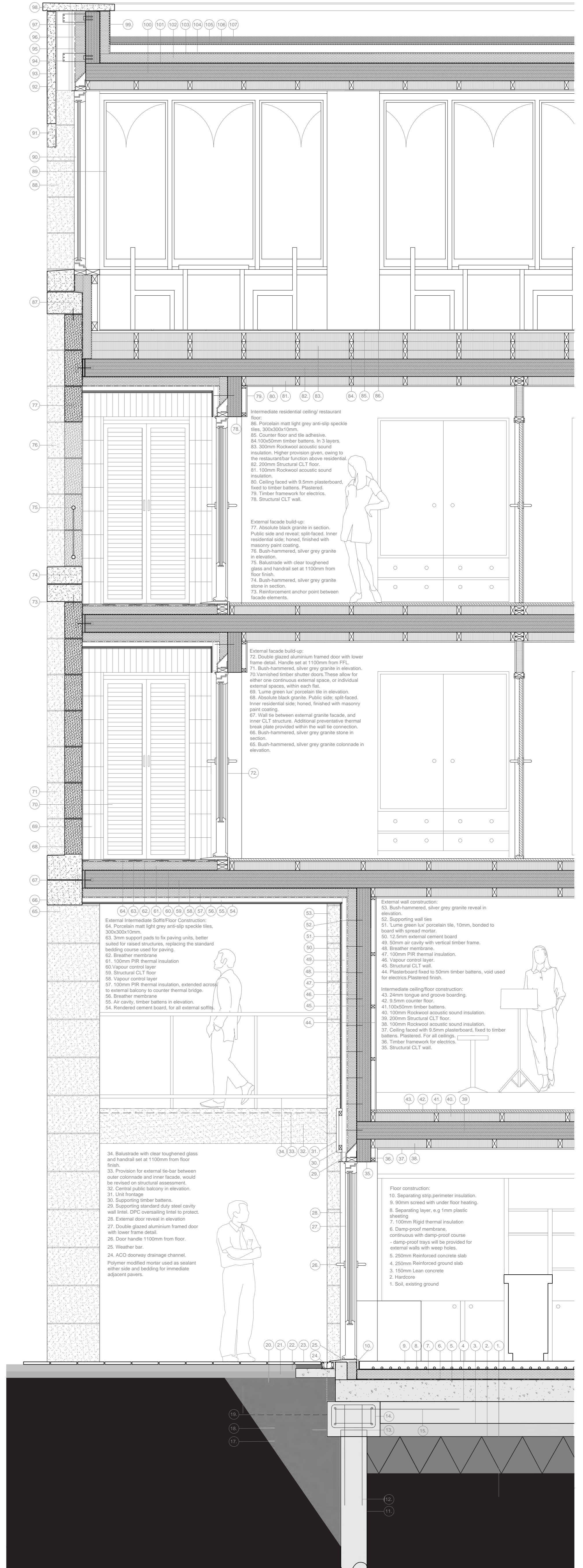
- Ground conditions:
23. Arrangement of granite pavers in 'Glacier top' and 'Graphite grey', flamed finish.
  22. Bedding sand
  21. Fine gravel
  20. Coarse gravel
  19. Geotextile mat, fleece
  18. Soil, backfilling, spot
  17. Slope to side of excavation.
- Foundations:
16. Pile cap 800x600, 400mm deep.
  15. Tie bar reinforcement between pile cap and ground slab
  14. Reinforcement casing
  13. Pile cut off level 75mm into cap.
  12. Pile cap reinforcement taken 75mm into pile minimum, or more depending on conditions specified by structural engineer.
  11. Pile Diameter 300mm, Pile Depth: 1200mm minimum

1:25 @ A1

0m 0.2m 0.5m 1m

- Parquet construction:
86. Green ceramic coping.
  87. Vapour control layer
  88. 100mm PIR thermal insulation
  89. Breather membrane
  90. Supporting stainless steel bracket attached to vertical timber profile, anchored in structural CLT member.
  91. Ceramic profile in elevation.
  92. Ceramic adhered to cement board.
  93. Bespoke tiled ceramic cladding, in green, in section.
  94. Ceramic profile in elevation.
  95. Double glazed aluminium framed window.
  96. Internal elevation of windows.
  97. Bush-hammered, silver grey granite in elevation.
  98. Bush-hammered, silver grey granite stone in section.

- Floor construction:
107. 70-50mm Drainage mat\*
  106. 13mm Protective mat
  105. Waterproofing
  104. 50mm Screed laid to fall (in the direction behind section cut, to meet drainage channel).
  103. Separating layer, plastic sheeting.
  102. 100mm rigid thermal insulation
  101. Vapour barrier
  100. 200mm Structural CLT floor
  99. Sheet metal folded over beneath coping.





**View from a residential balcony.**



**View within Proposed Public Square**



View looking towards Proposed Public Square