

VISION OF NEW PROPOSAL [THE FOREST CITY]

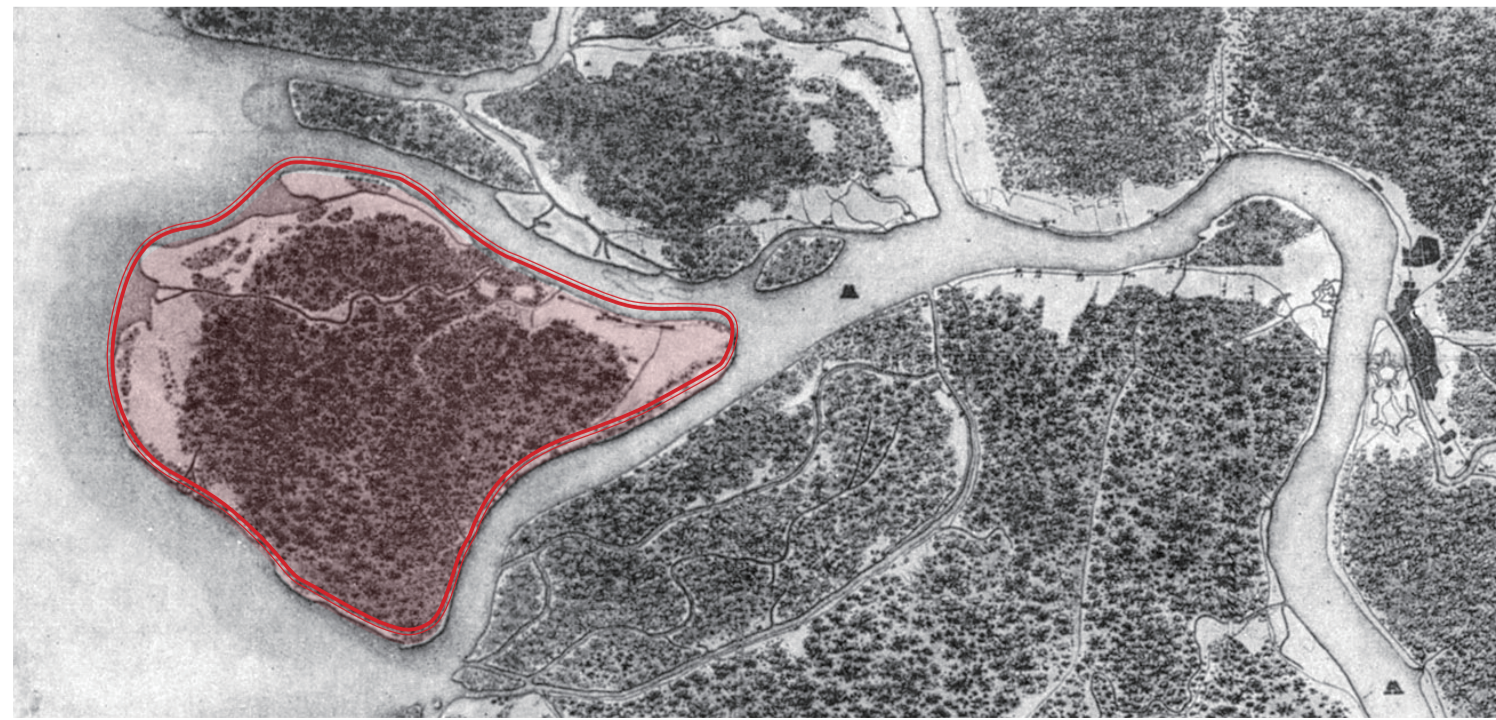
LIVING DISTRICT WITH EXCELLENT SEA VIEW SURROUNDED BY FOREST FEELING



REFERENCE CONTENTS FROM THE PAST OF VASILEVSKY ISLAND / CONCEPTUAL PROJECTS DRAWINGS BY LAZAR KHIDEKEL

PLAN OF THE TERRITORY WHERE PETERSBURG WAS FOUNDED IN 1703 (RECONSTRUCTION AFTER CYLOV)

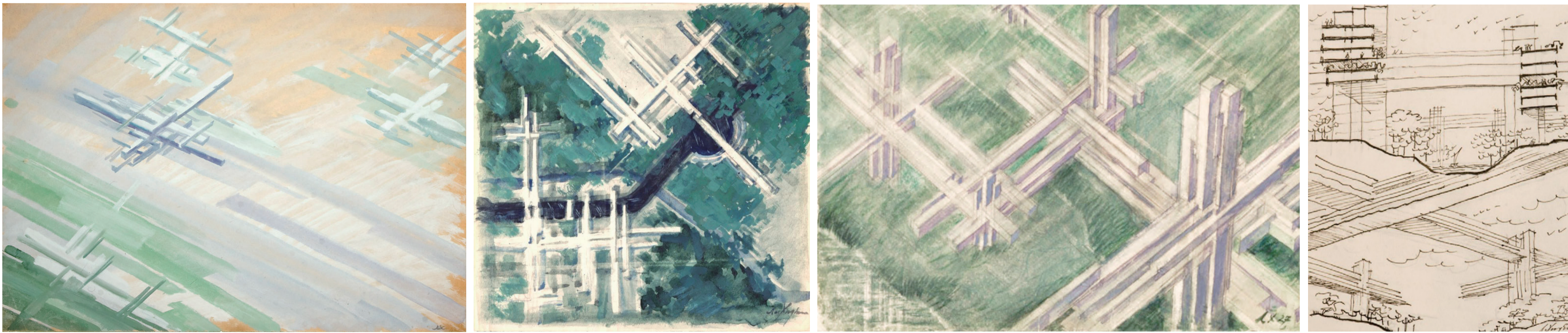
KHIDEKEL'S EXPERIMENTAL DESIGNS (1920s)



A set of interesting experimental town-planning designs produced by Khidekel during the 1920s develop some aspects of the aero-city concept, and also reveal the influence of other experimental town-planning ideas of that period, such as vertical zoning.

Khidekel's projects for a vertical zoning of cities involve a global approach to this town-planning concept: insofar as he was concerned, it was not merely a matter of organizing the area of habitation within a city's boundaries in a rational way, but of the interaction between human settlement and the environment as a whole. This broad approach accounts for the way in which the architectural complexes in his sketches interact with levels below ground, stretches of water, a virgin environment, and supraterritorial space.

Khidekel's town on piers represents of the garden-city town-planning concept. The heavy traffic is accommodated below the horizontal blocks, while the landscape remains unaltered — for rambling and recreation along picturesque paths, and for the general enjoyment of nature.



DESIGN REFERENCE FROM VASILEVSKY ISLAND

URBAN STRUCTURE
 URBAN & BUILDING MORPHOLOGY OF VASILEVSKY ISLAND
 SPACE ARRANGEMENT OF REPRESENTATIVE WATERFRONT REGIONS

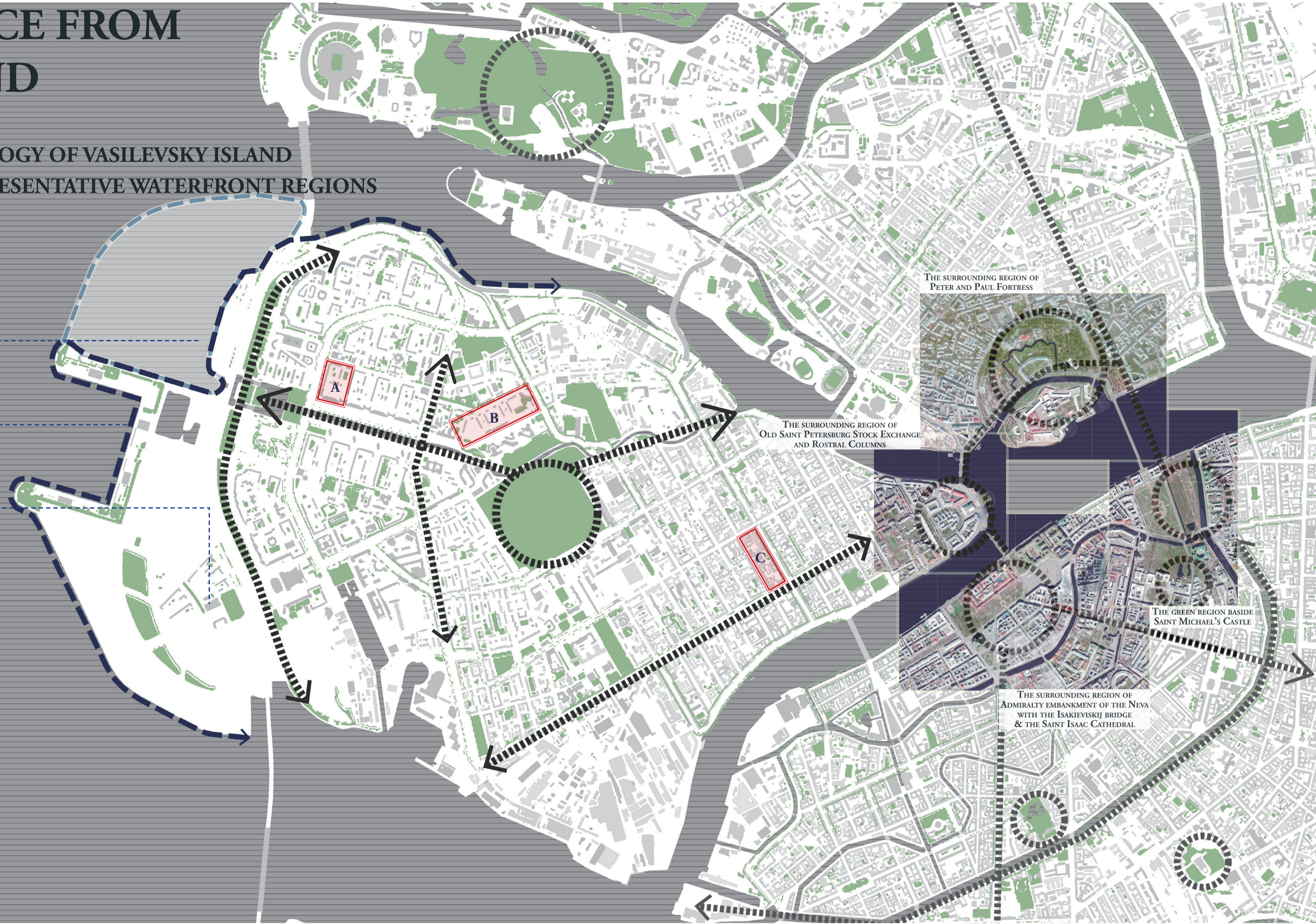
PLANNED RECLAMATION AREA

EXISTING COASTLINE BY NEW RECLAIMED PROJECT

PARTIALLY CONSTRUCTED RECLAMATION NEW AREA

The design scope of this project would include the overall planning scheme of the whole west new area of Vasilevsky Island. While making a new planning scheme for the new area, several residential buildings that have been completed in the South and the middle port area will be considered to avoid any negative impact on it.

The key part to be promoted in the later stage of this project would be the planned reclamation area in the northwest. The project content includes detailed urban structural design, regional functional planning, architectural form, and design of key residential areas.



3 TYPICAL HOUSING & COURTYARD FEATURE

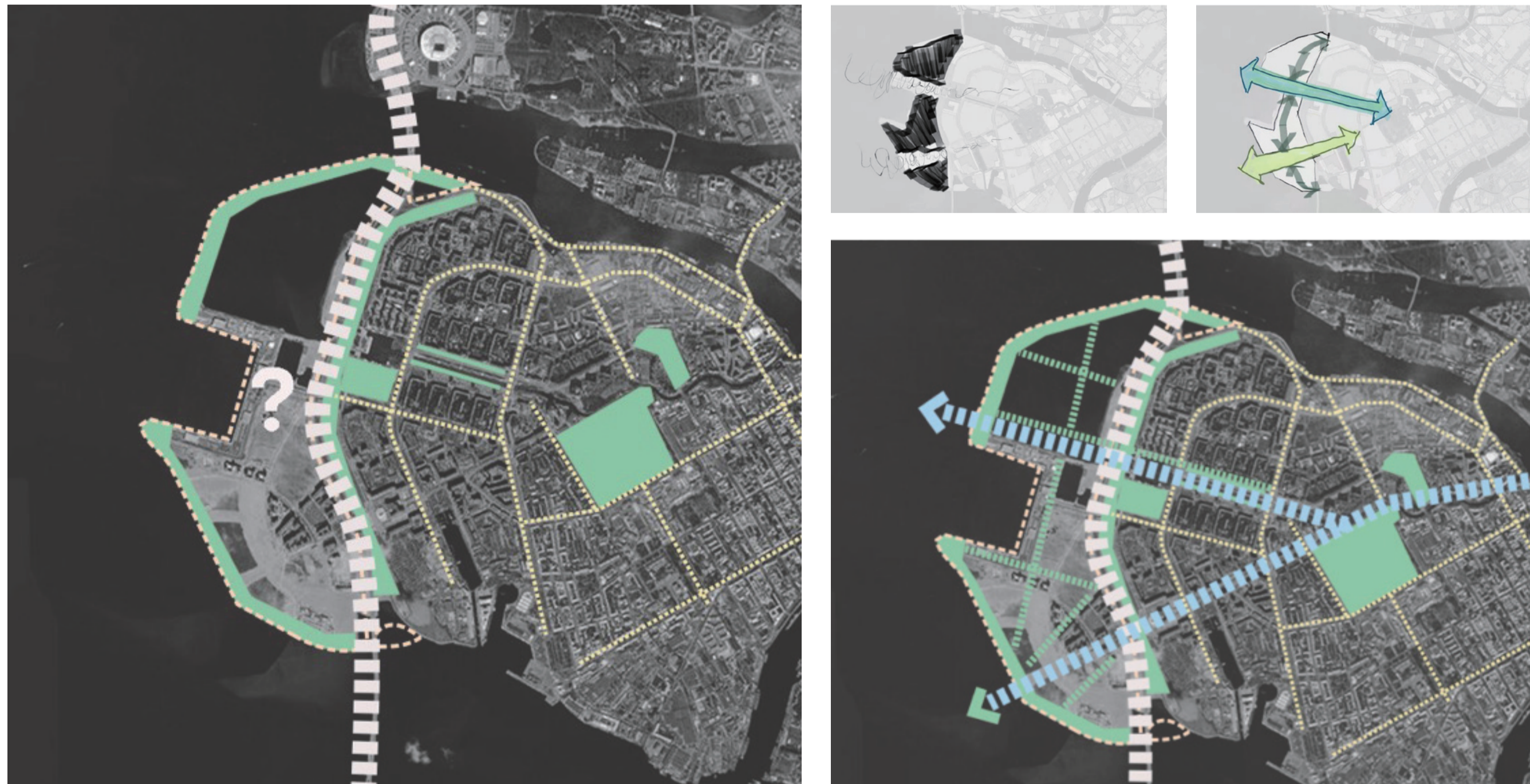


ANALYSIS OF CENTRAL ENSEMBLES - URBAN FRAME & GREEN SYSTEM

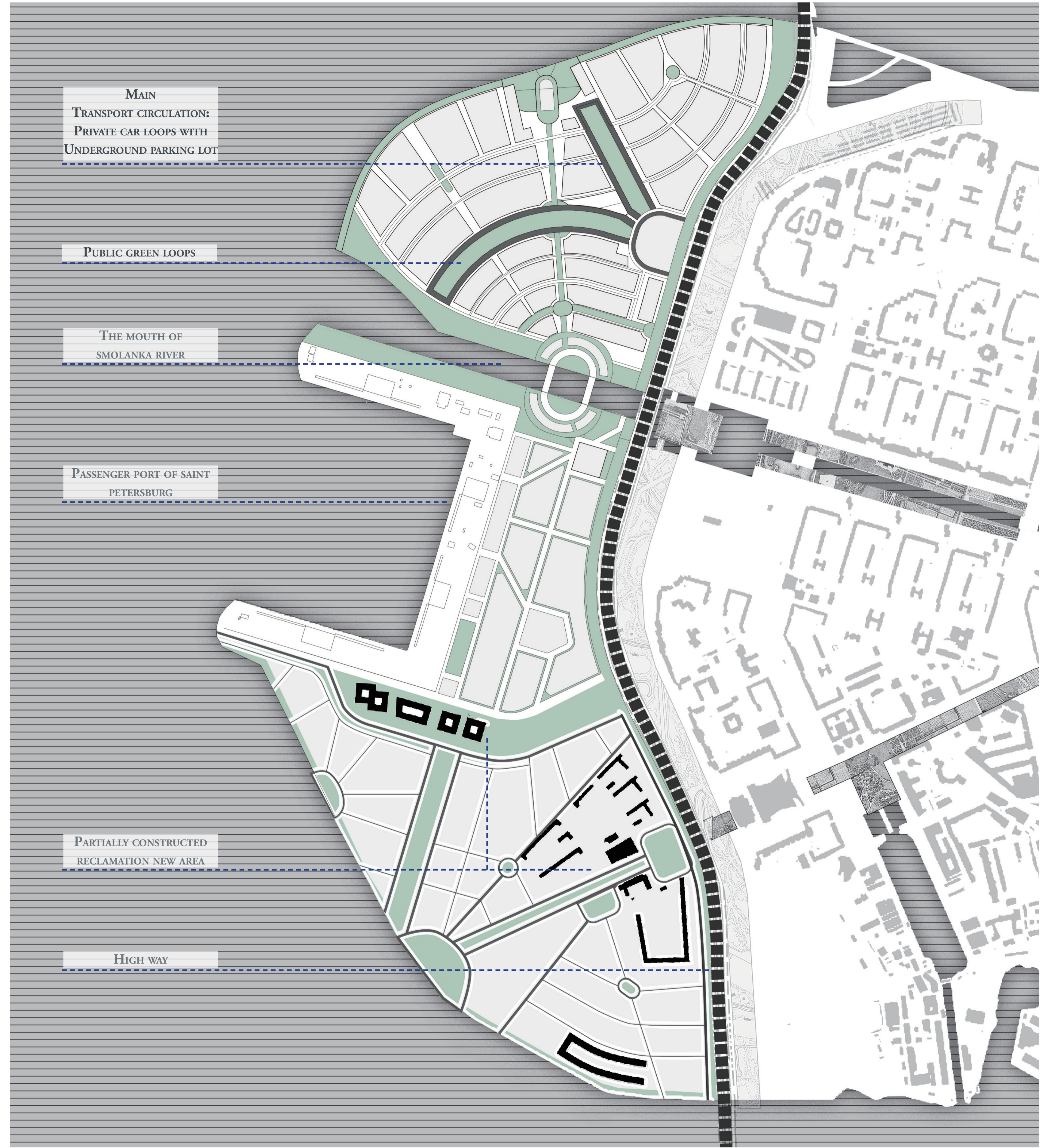


NEW PLANNING PROPOSAL — URBAN STRUCTURE GENERATION

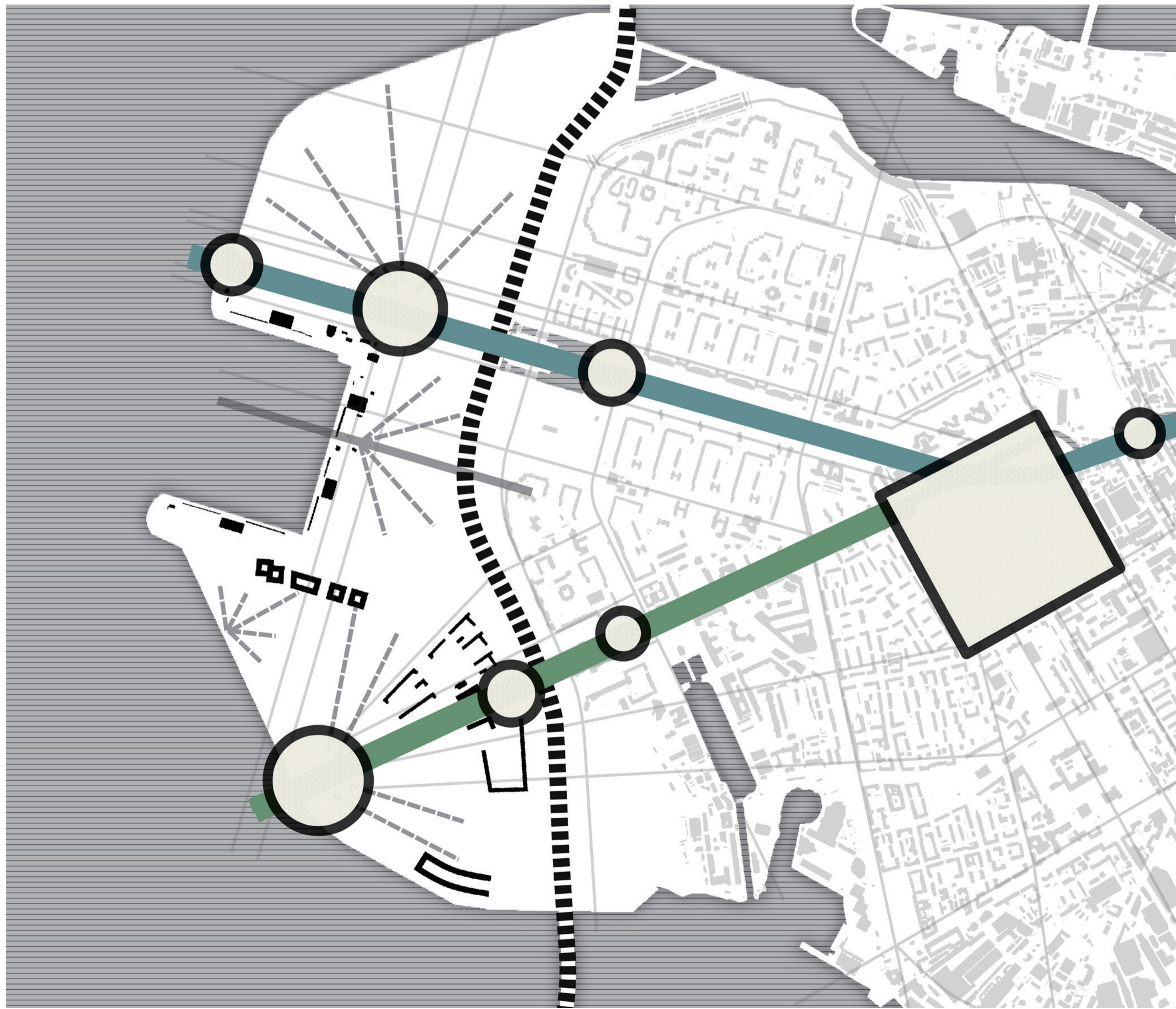
INITIAL PROPOSAL IDEA - TWO EXTEND GREEN & BLUE BELT FROM CITY TO THE SEA



NEW PROPOSAL - GENERAL PLANNING STRUCTURE OF THE WHOLE NEW LAND

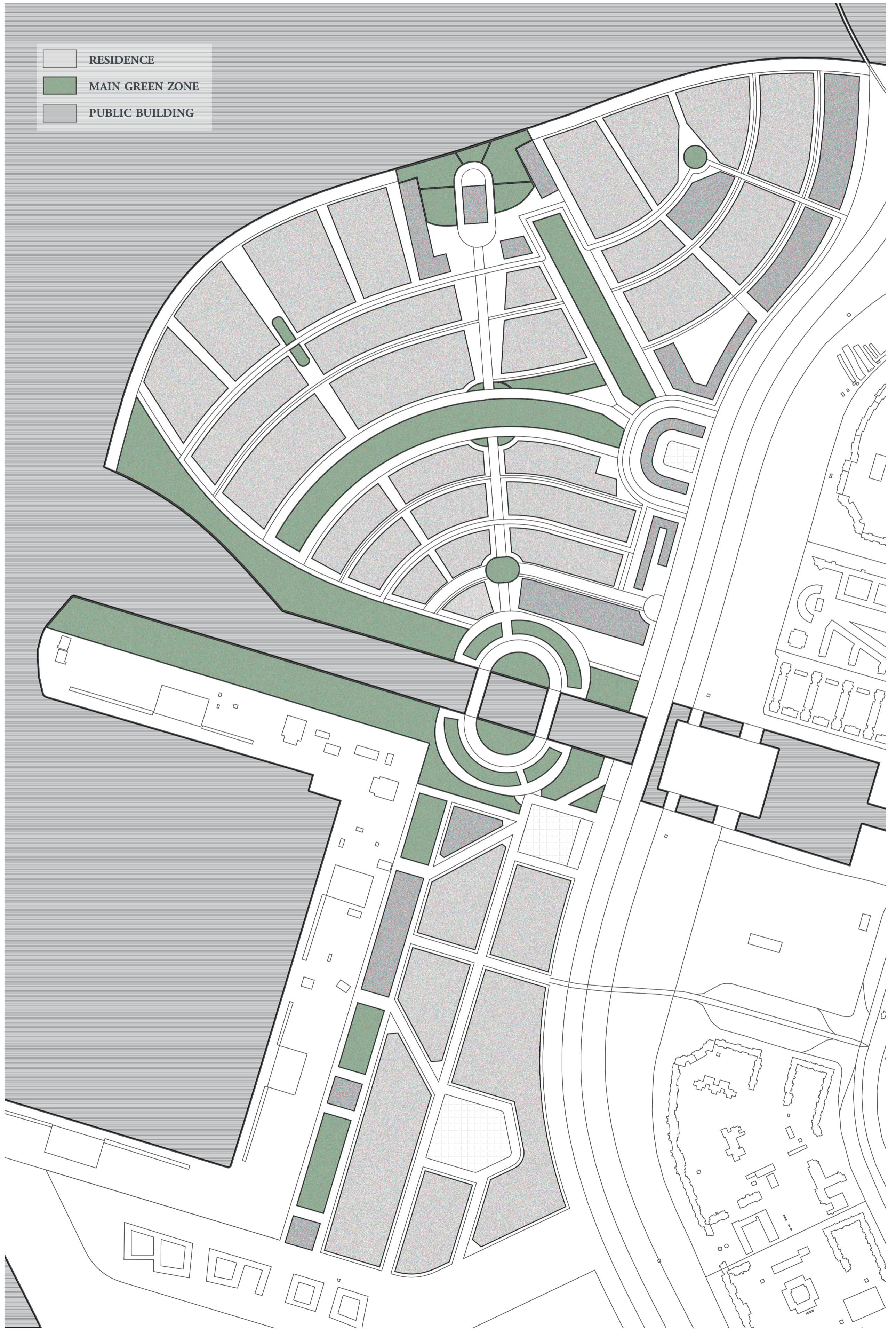


NEW PROPOSAL - URBAN LAYOUT REFERENCE LINE

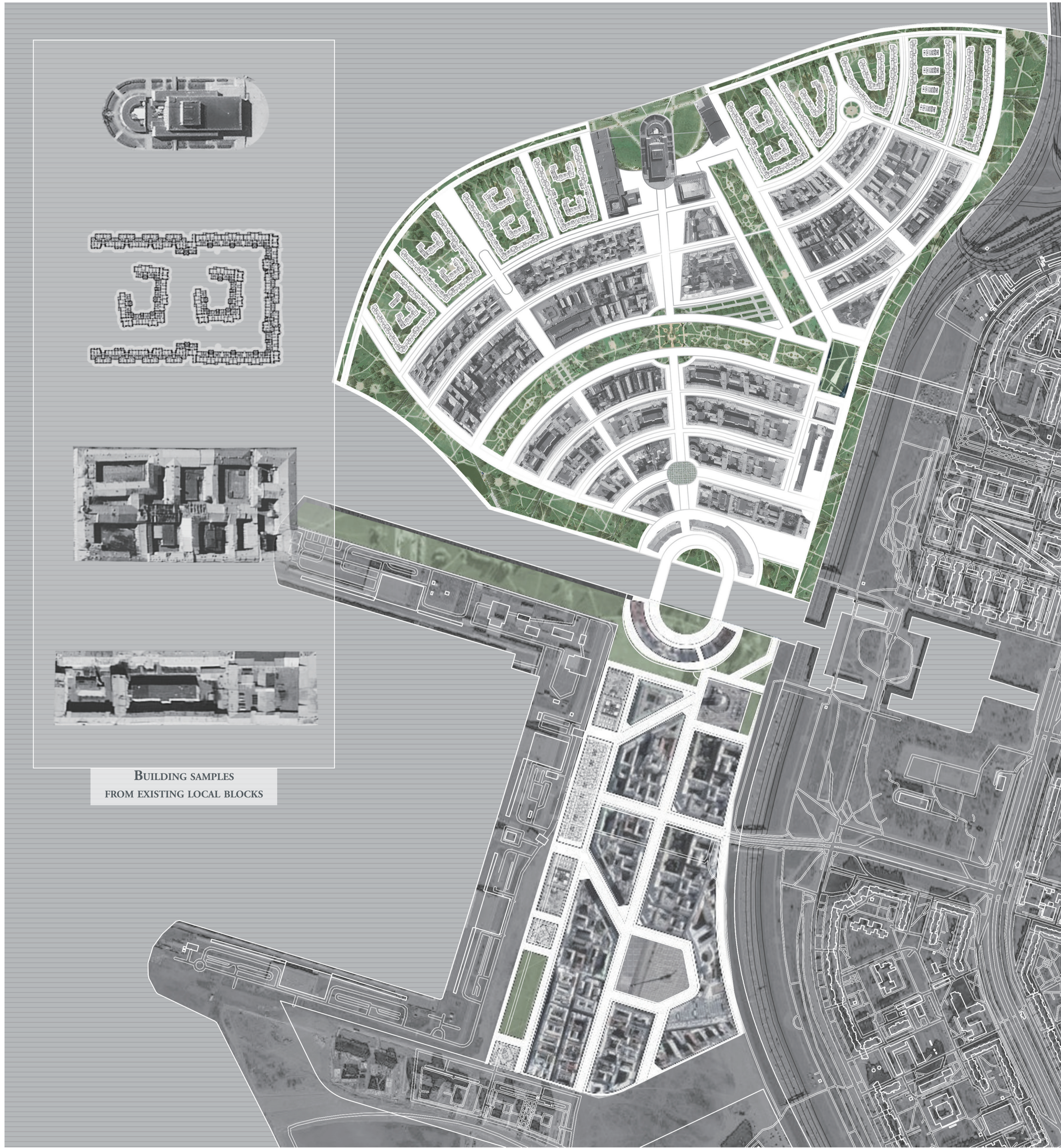


NEW PLANNING PROPOSAL — URBAN STRUCTURE GENERATION

DISTRIBUTE FUNCTIONAL DISTRIBUTION OF NORTH & PORT REGIONS



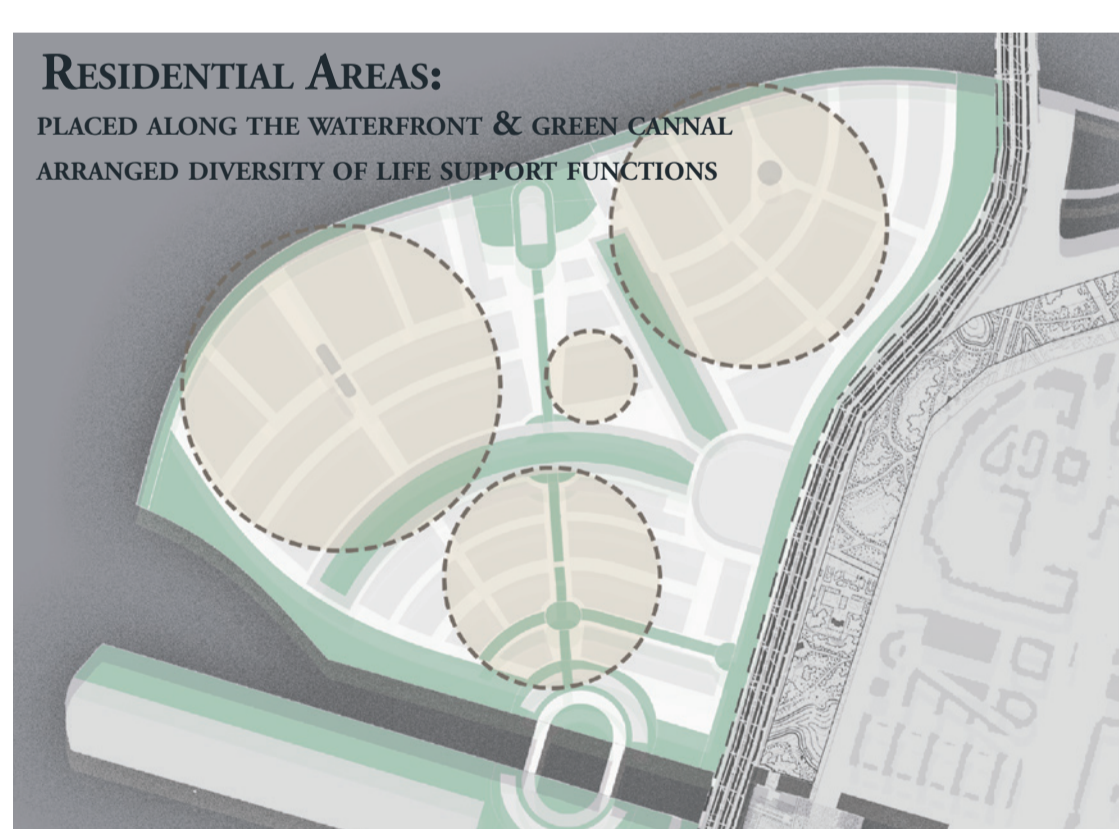
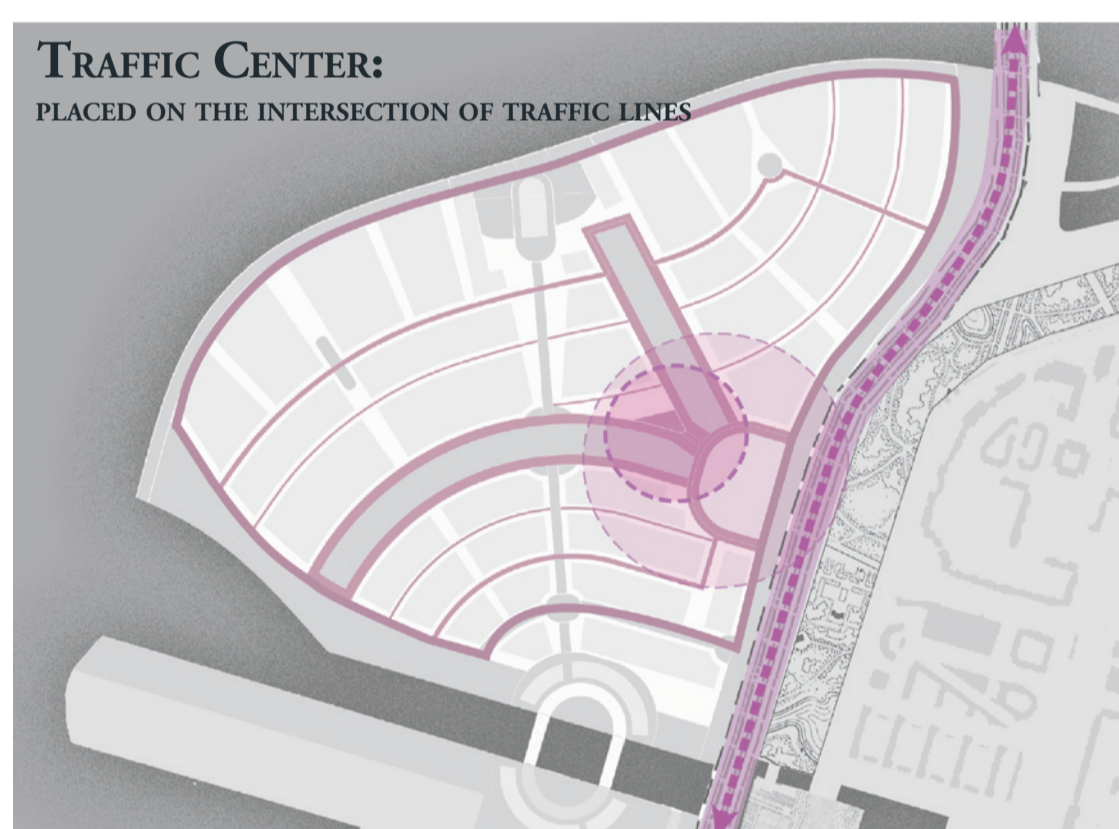
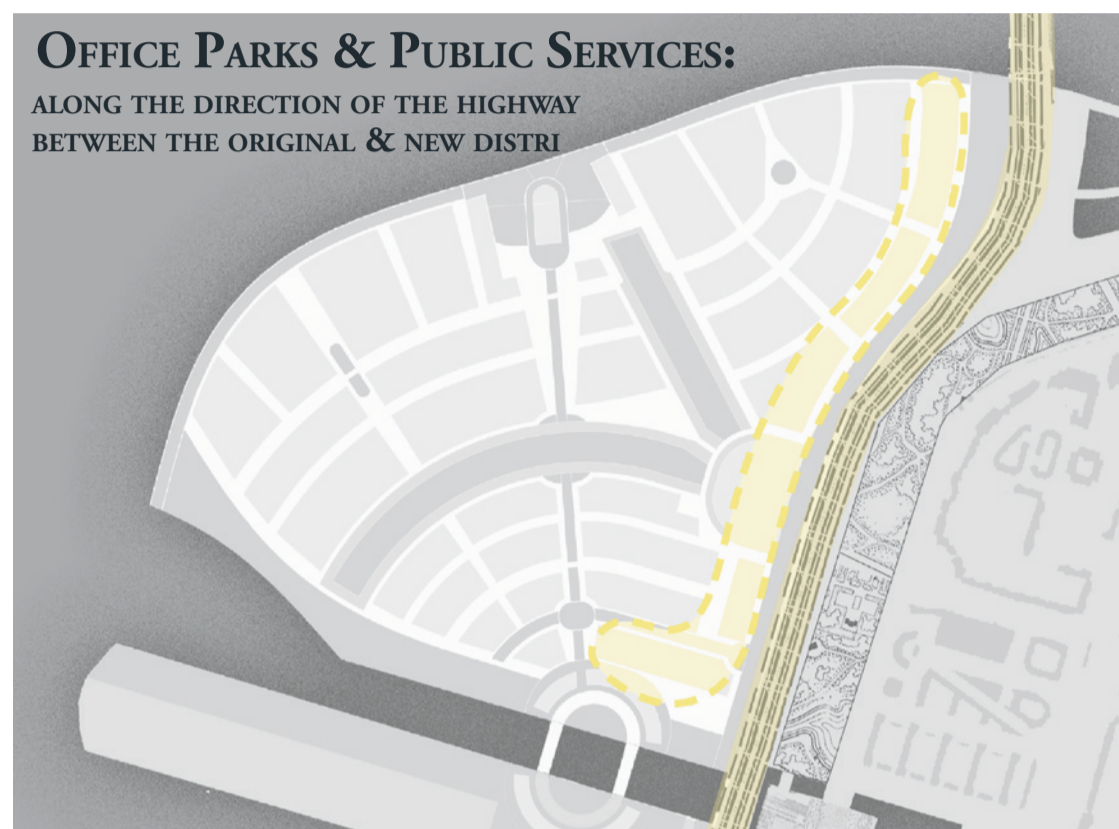
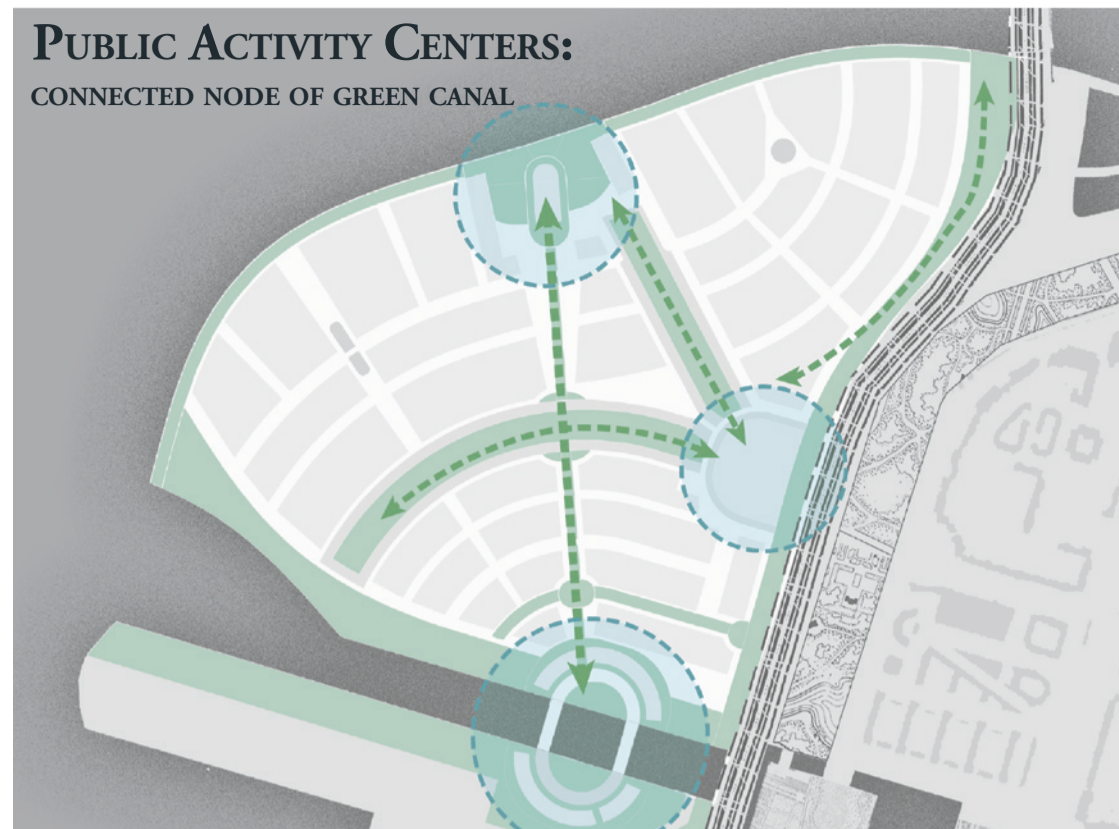
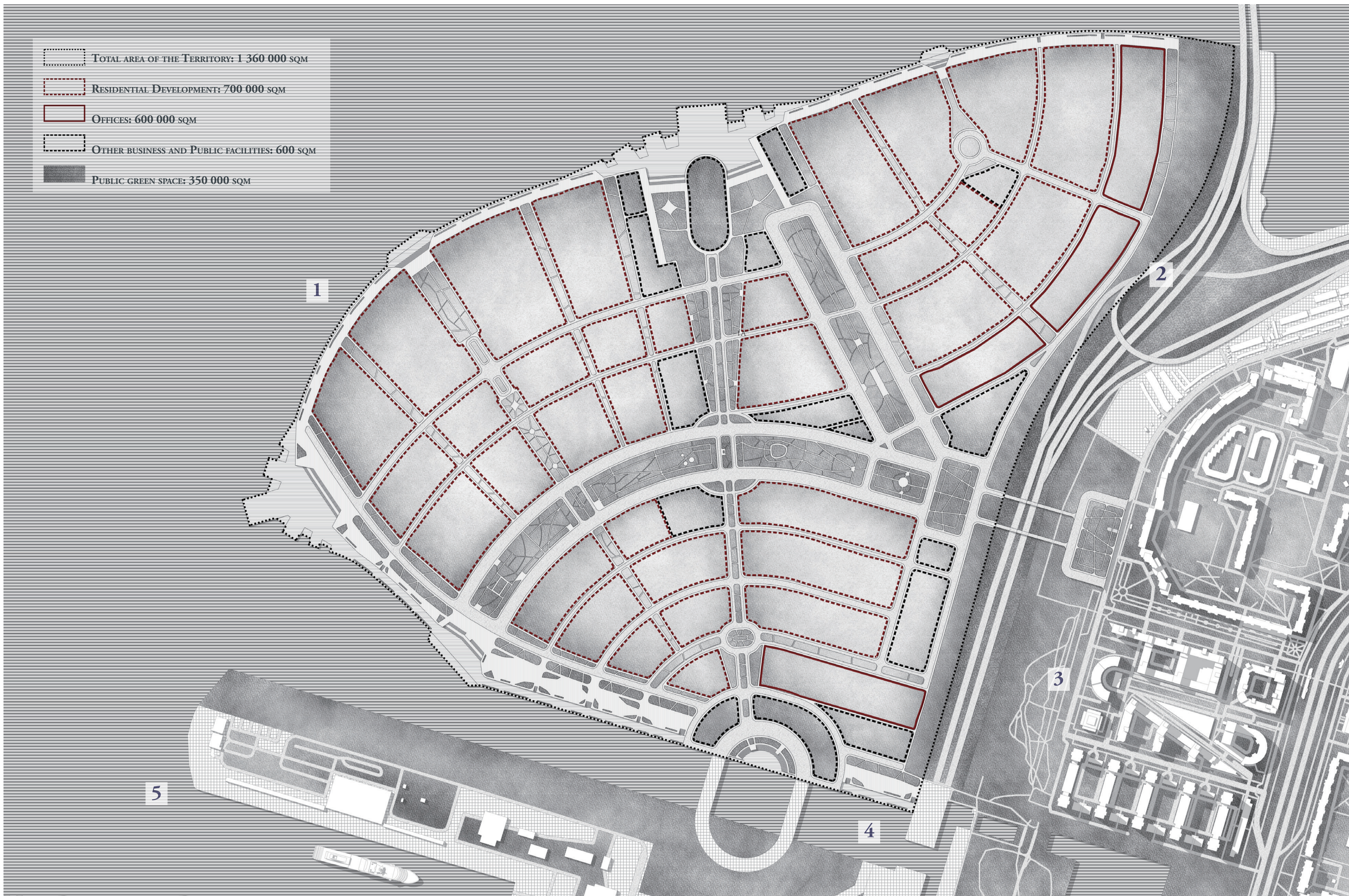
COLLAGE OF NEW URBAN IMAGE WITH EXISTING BUILDING BLOCK TYPOLOGY



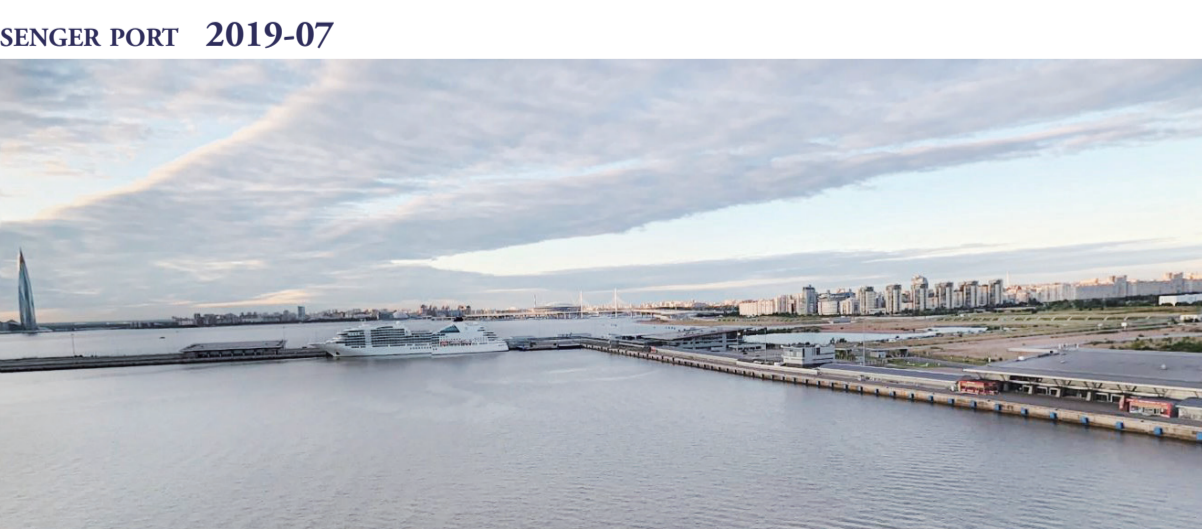
PLANNING PARAMETERS & DIMENSIONS OF THE NORTH REGION

ACTIVITY ARRANGEMENT

- TOTAL AREA OF THE TERRITORY: 1 360 000 SQM
- RESIDENTIAL DEVELOPMENT: 700 000 SQM
- OFFICES: 600 000 SQM
- OTHER BUSINESS AND PUBLIC FACILITIES: 600 SQM
- PUBLIC GREEN SPACE: 350 000 SQM

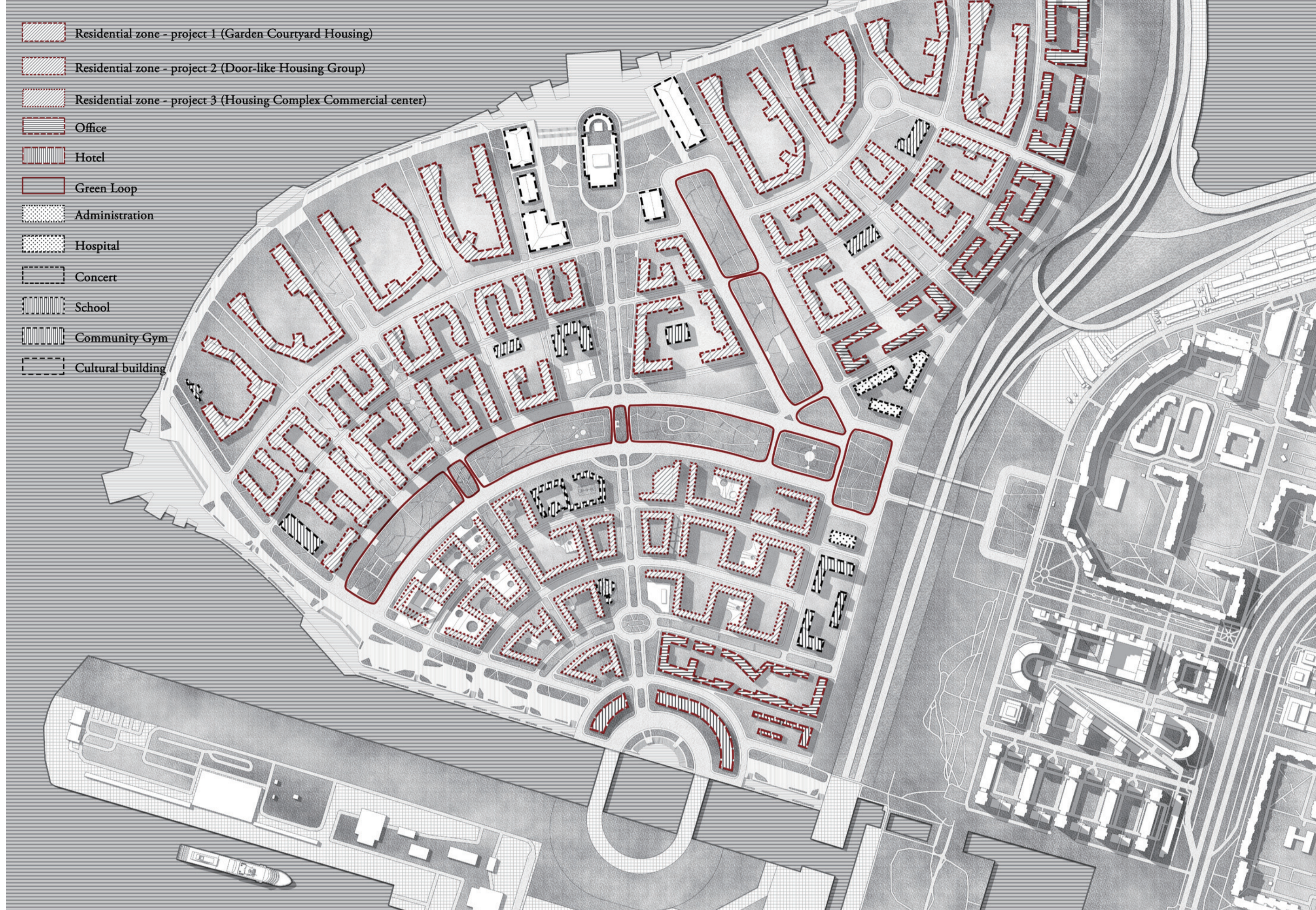


NEW PERIPHERAL RESOURCES



FIRST VERSION OF ARCHITECTURAL DESIGN SOLUTION

ACTIVITY PROGRAM WITH BUILDING FEATURE



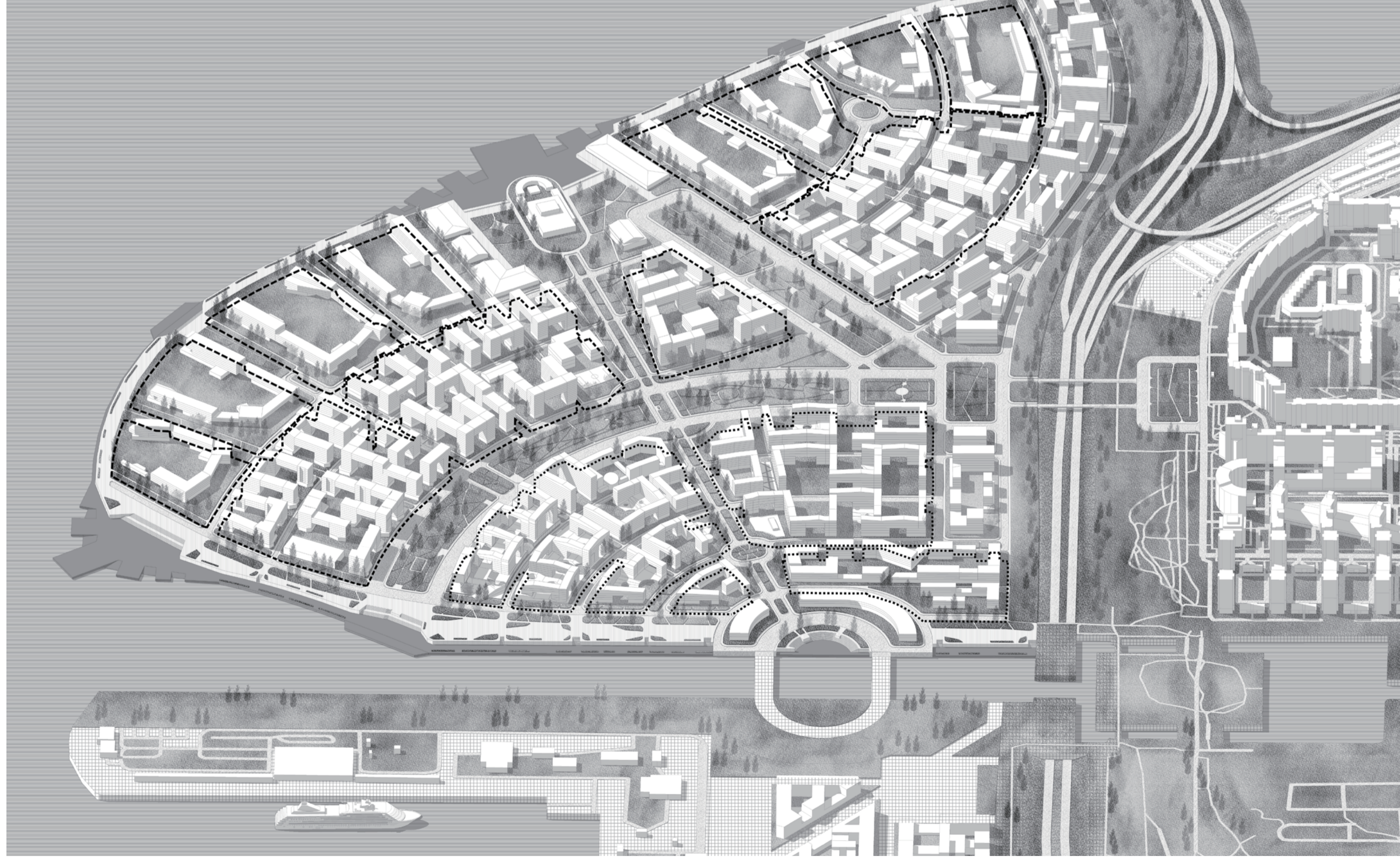
MASTERPLAN OF 3 RESIDENTIAL PROJECTS



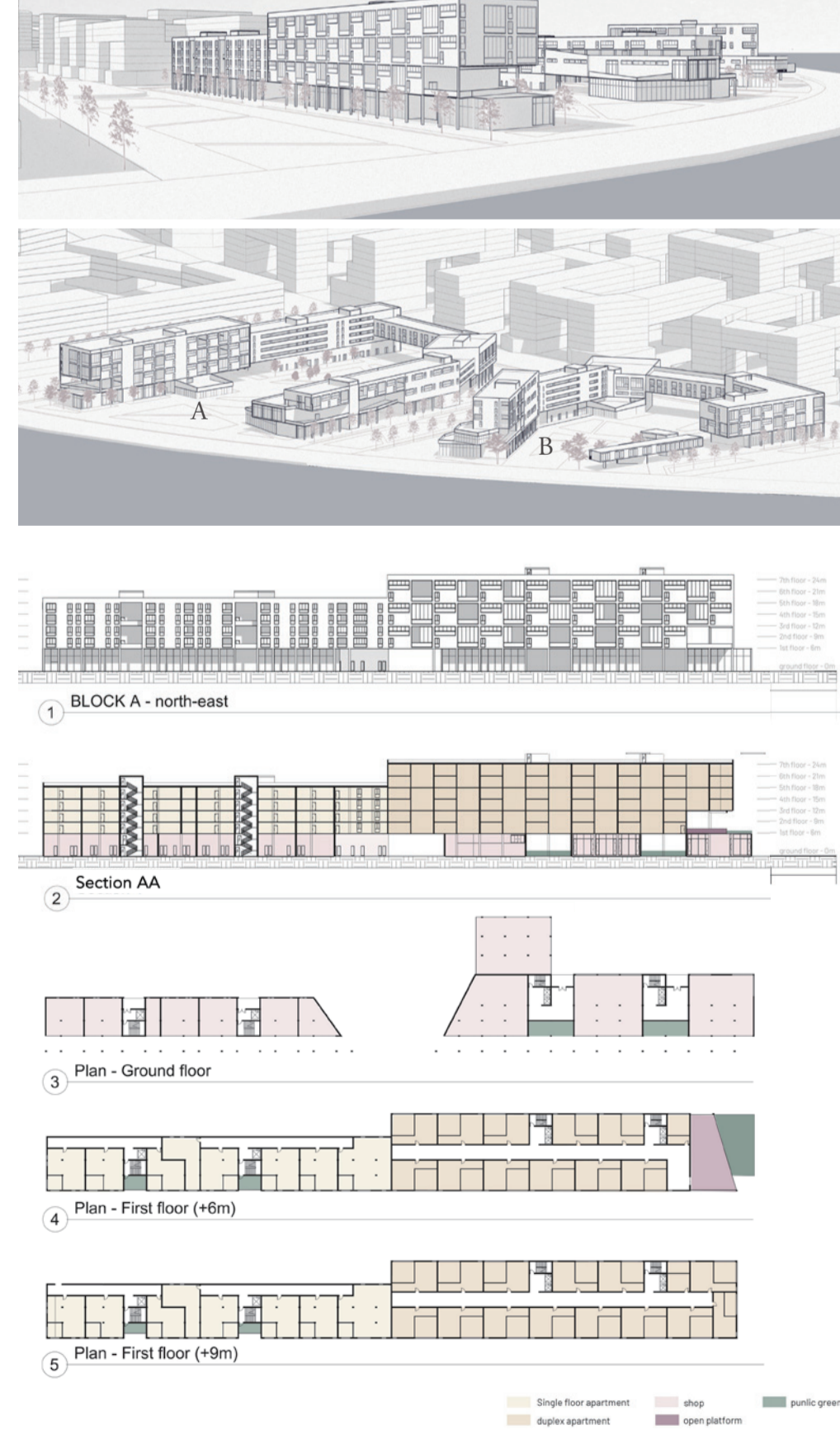
CROSS SECTION aa



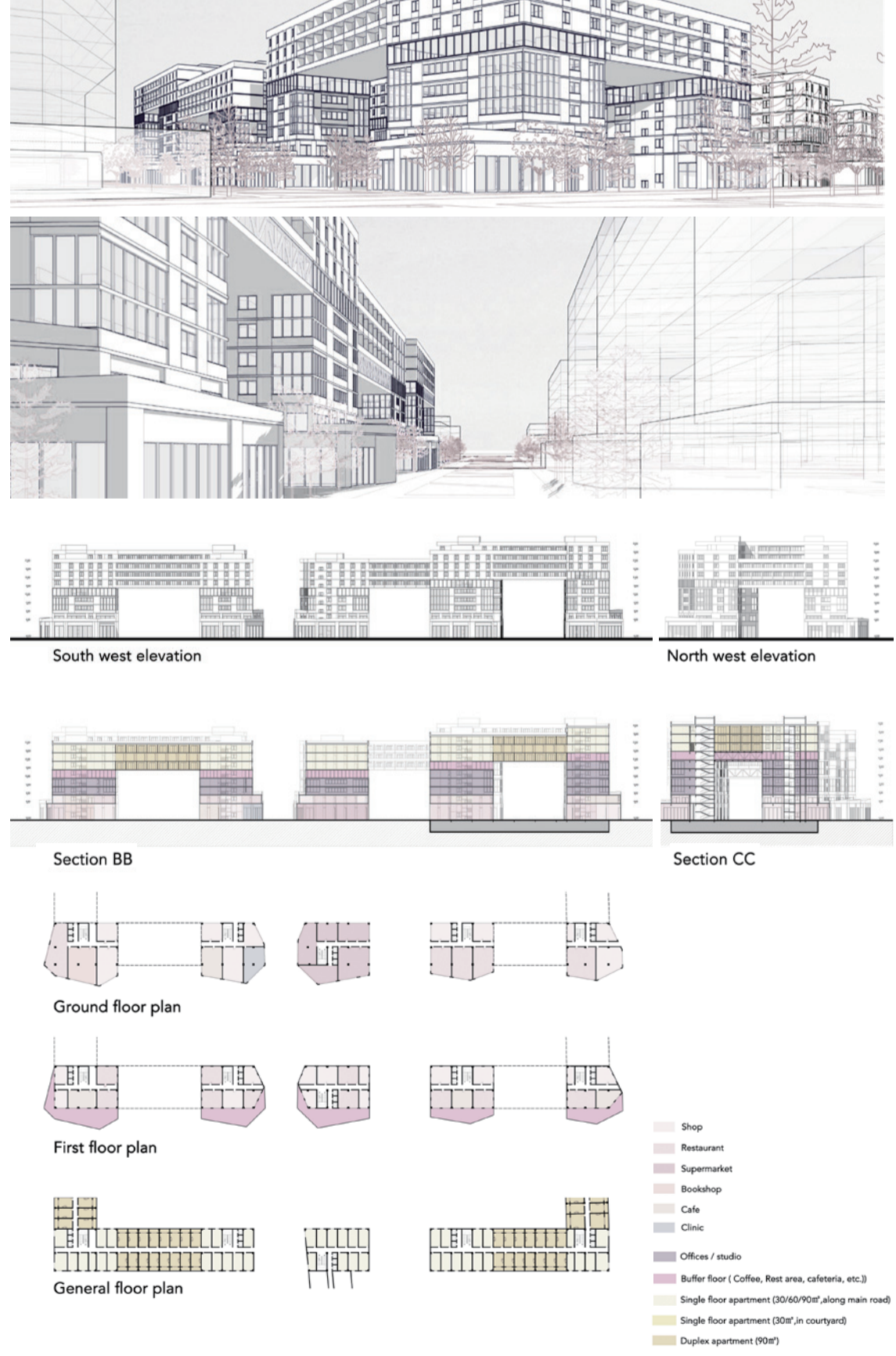
BUILDING VOLUME OF 3 RESIDENTIAL PROJECTS



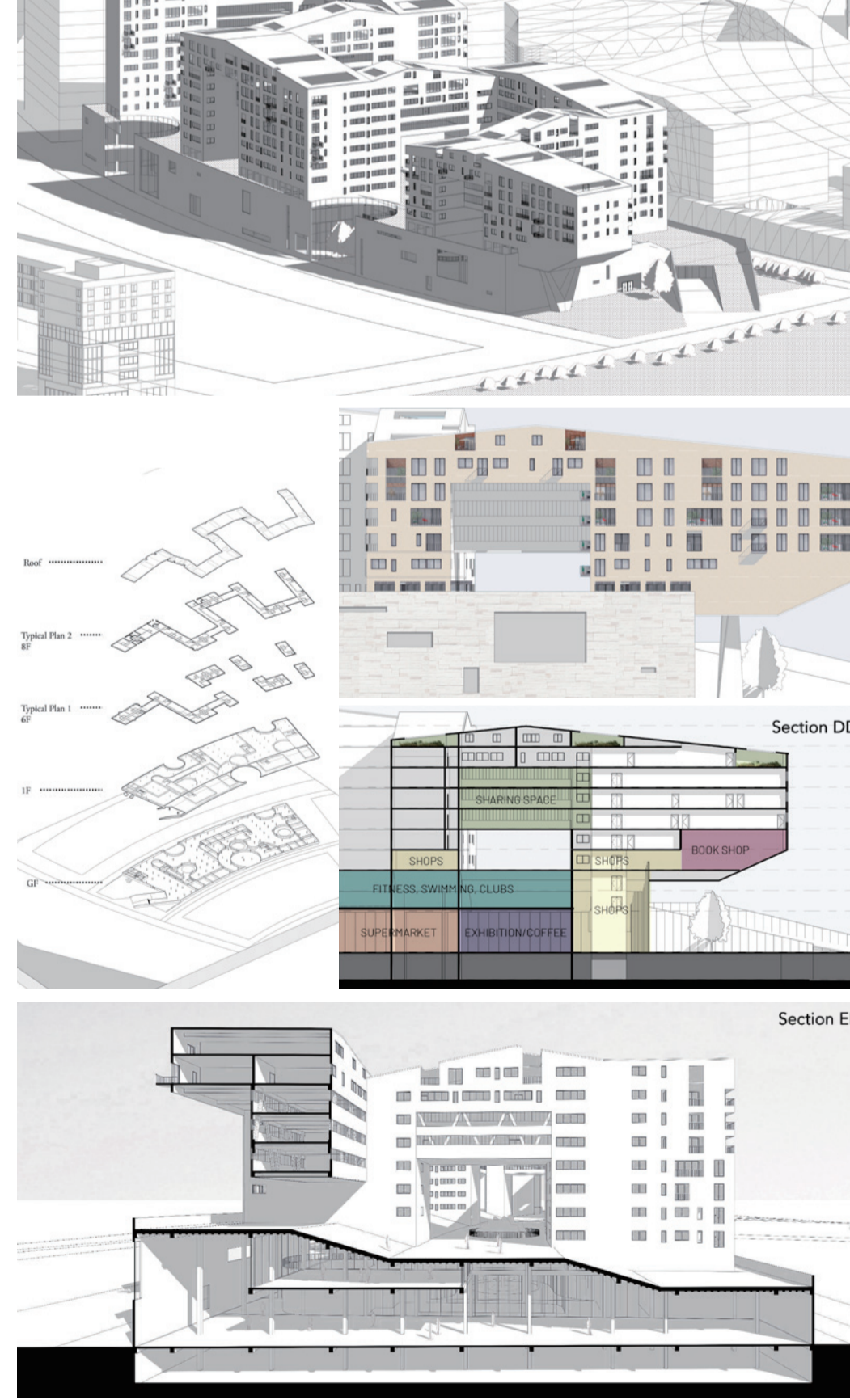
PROJECT 1



PROJECT 2

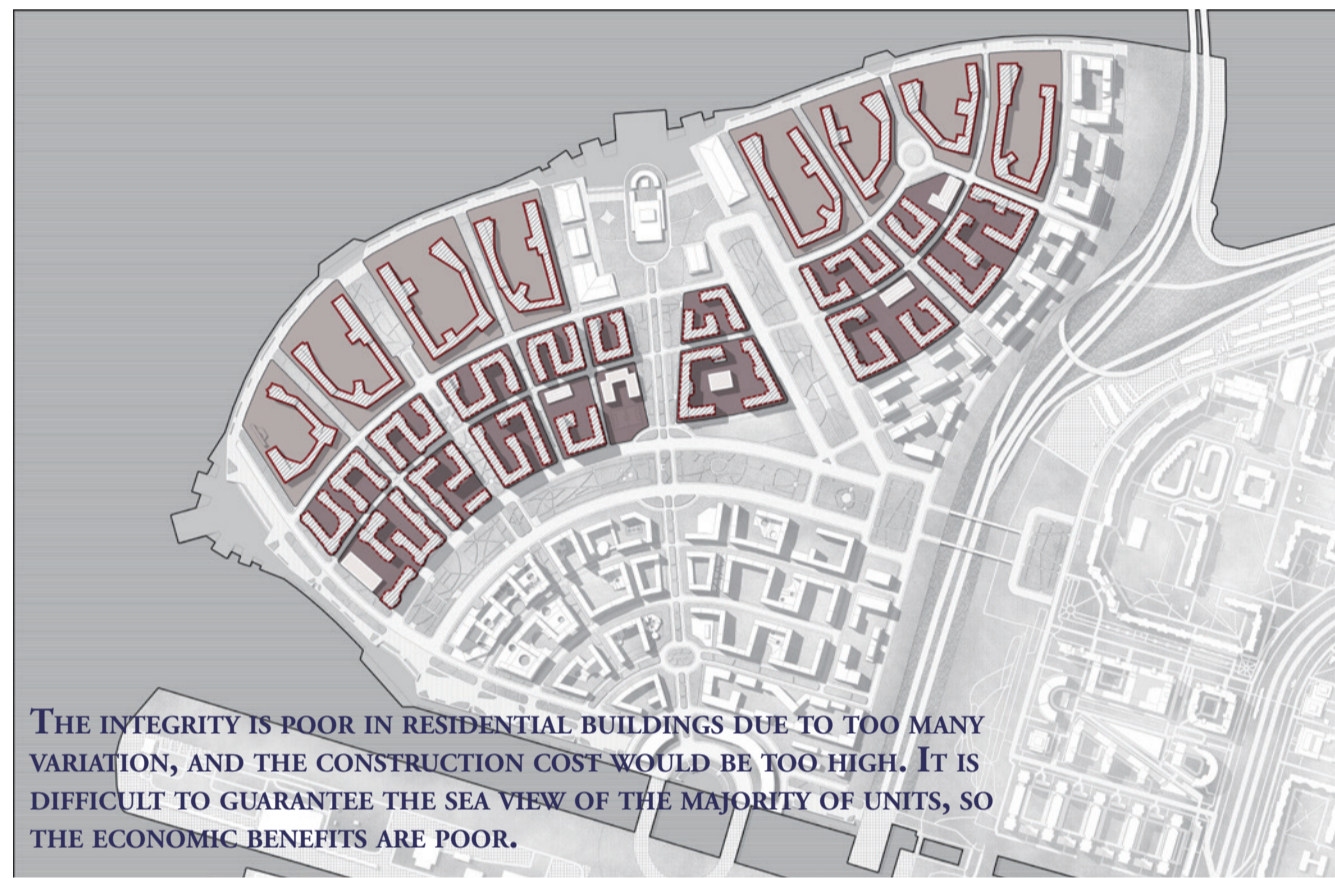


PROJECT 3

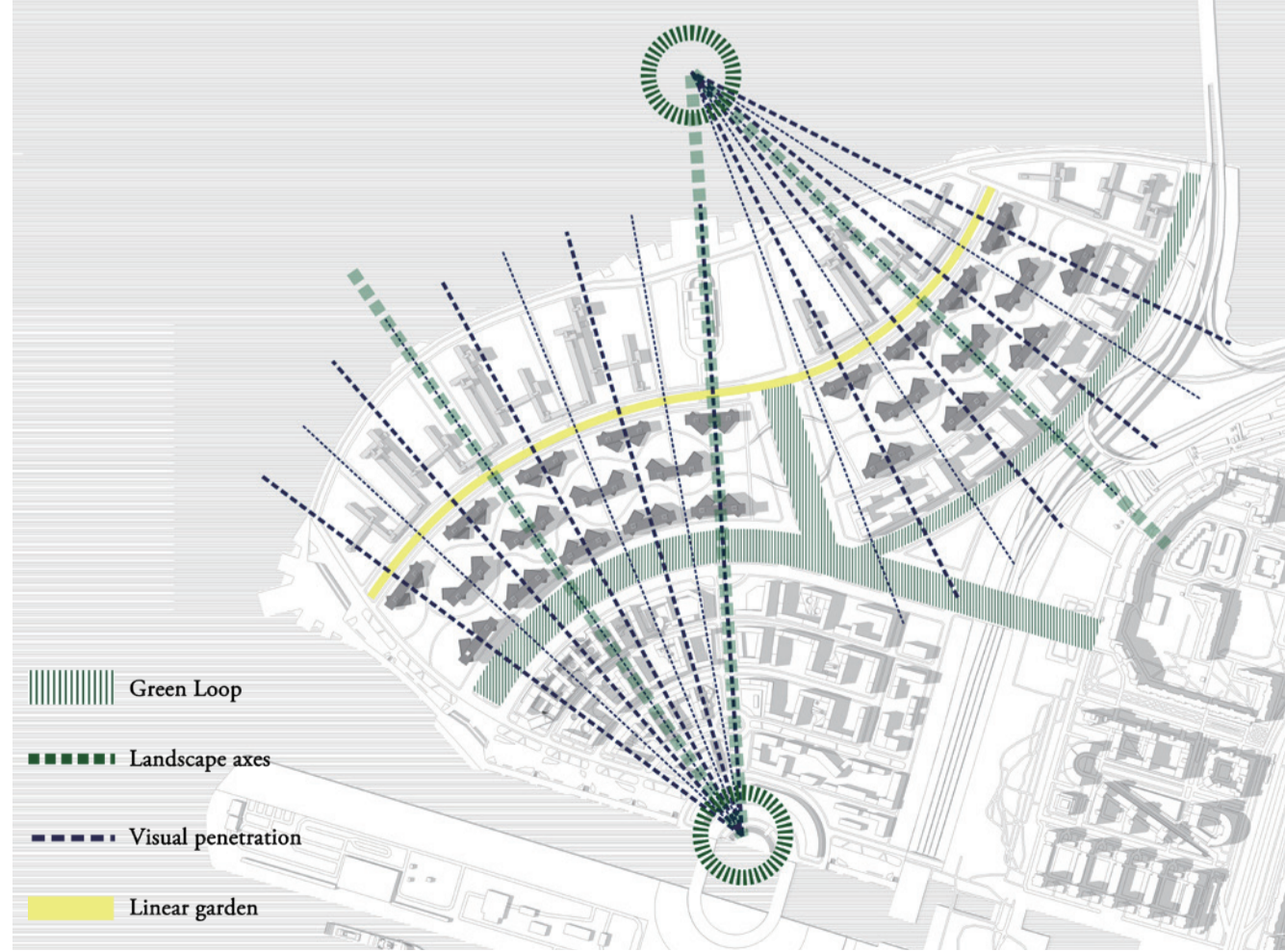


NEW PROPOSAL OF THE TWO RESIDENTIAL PROJECTS ALONG THE SEASIDE

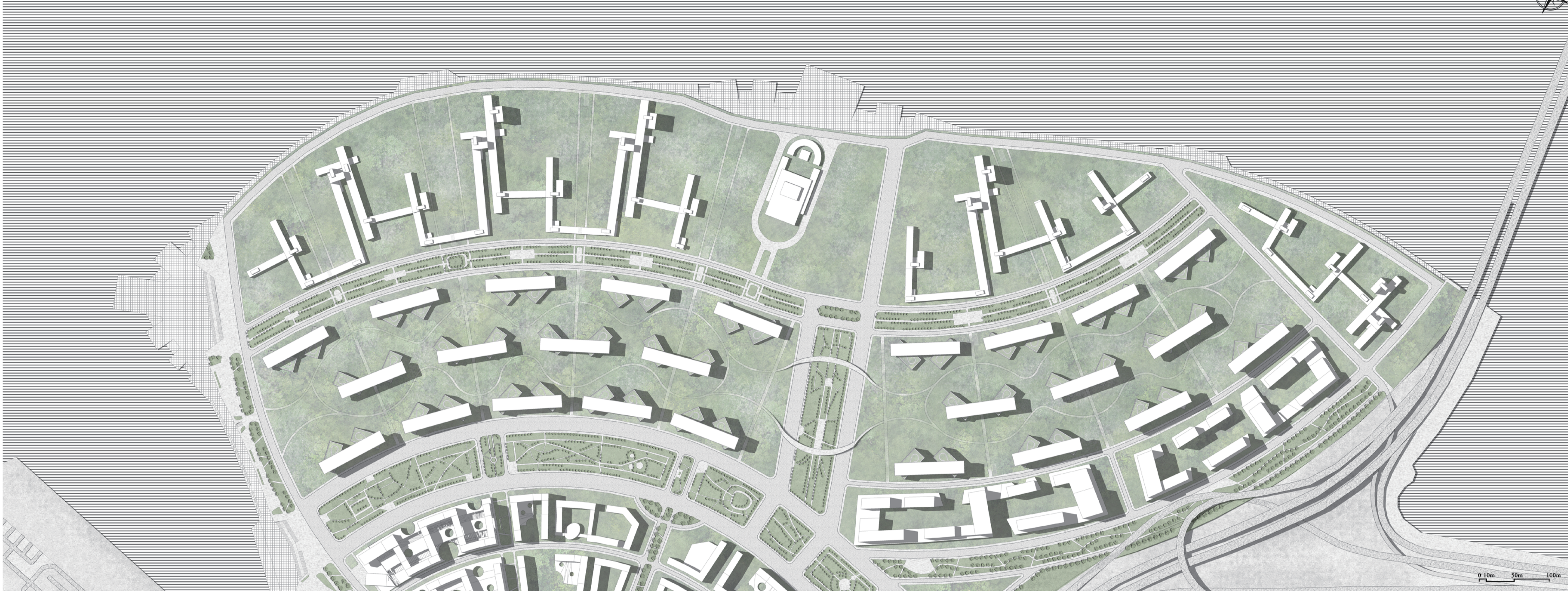
CRITICAL ANALYSIS OF THE PLANNING STAGE OUTCOME



DEVELOPED SOLUTION OF THE PLANNING OUTCOME



MASTERPLAN OF DEVELOPED PROPOSAL



GROUND LEVEL PLAN OF DEVELOPED PROPOSAL

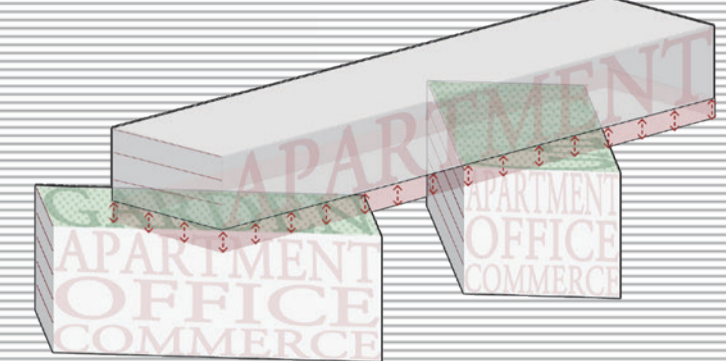


NEW PROPOSAL OF THE TWO RESIDENTIAL PROJECTS ALONG THE SEASIDE

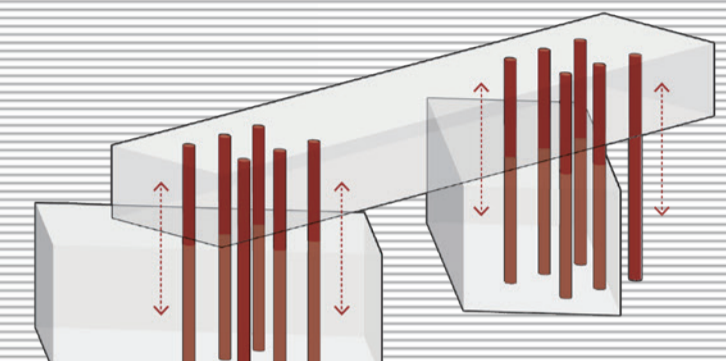
BIRD'S-EYE VIEW OF THE NEW LAND



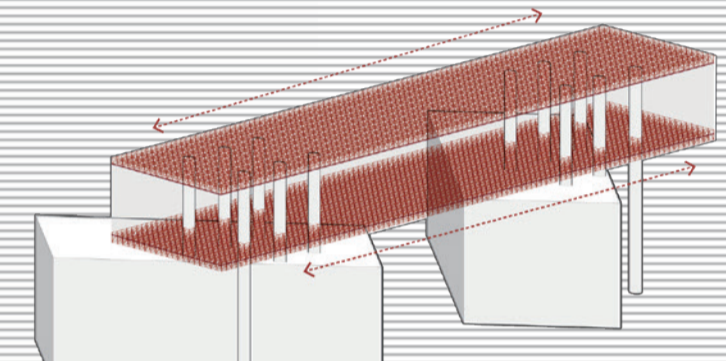
STRUCTURAL SOLUTION



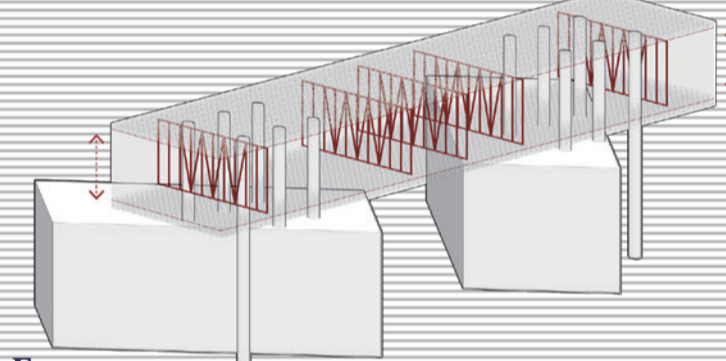
THE HORIZONTAL AND VERTICAL VOLUMES ARE SEPARATED TO CREATE A CLEARER SENSE OF VOLUME AND A COMPLETE PUBLIC ROOF GARDEN.



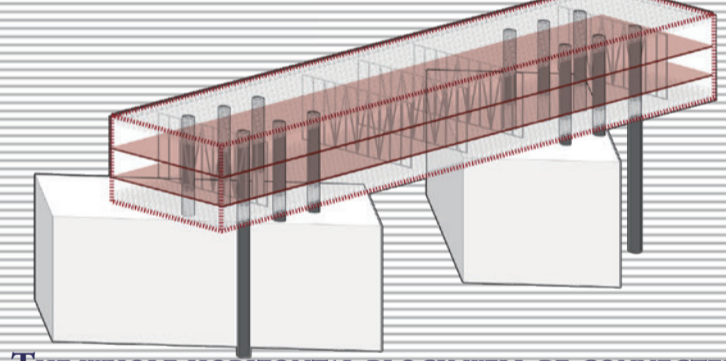
SIX COLUMNS WITH A DIAMETER OF 1.5 METERS ARE USED AS THE MAIN LOAD-BEARING STRUCTURE ON BOTH SIDES.



FOR SUPPORTING THE LONG-SPAN SUBJECT, THE UPPER AND LOWER PARTS OF THE HORIZONTAL-BLOCK ARE SUPPORTED BY A SPACE TRUSS STRUCTURE WITH A THICKNESS OF 1 M AND 1.5 M RESPECTIVELY.

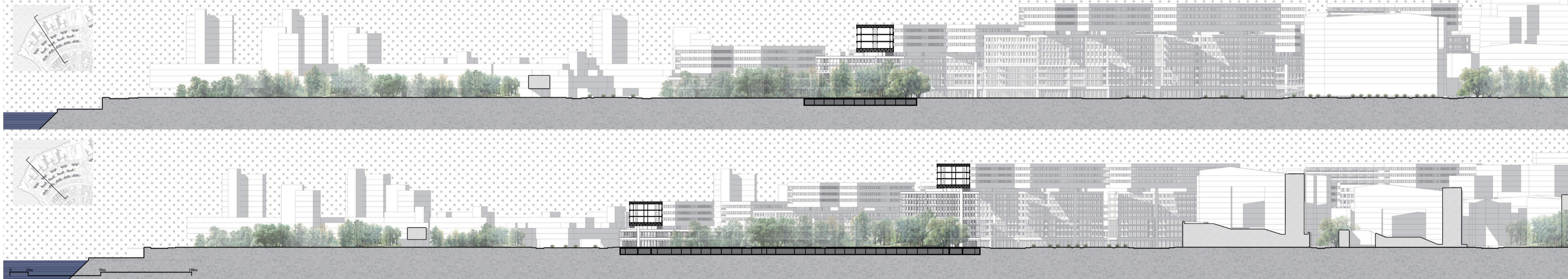


FOR CONNECTING THE UPPER AND LOWER SPACE STRUCTURES, FIVE GROUPS OF STEEL TIE BARS WILL BE EVENLY DISTRIBUTED IN THE HORIZONTAL BLOCKS.



THE WHOLE HORIZONTAL BLOCK WILL BE CONNECTED AS A WHOLE AND ACT ON THE SUPPORT COLUMN.

CROSS SECTION OF THE NEW LAND



DEVELOPED DESIGN OF THE CENTRAL RESIDENTIAL PROJECT

FUNCTIONAL DISTRIBUTION

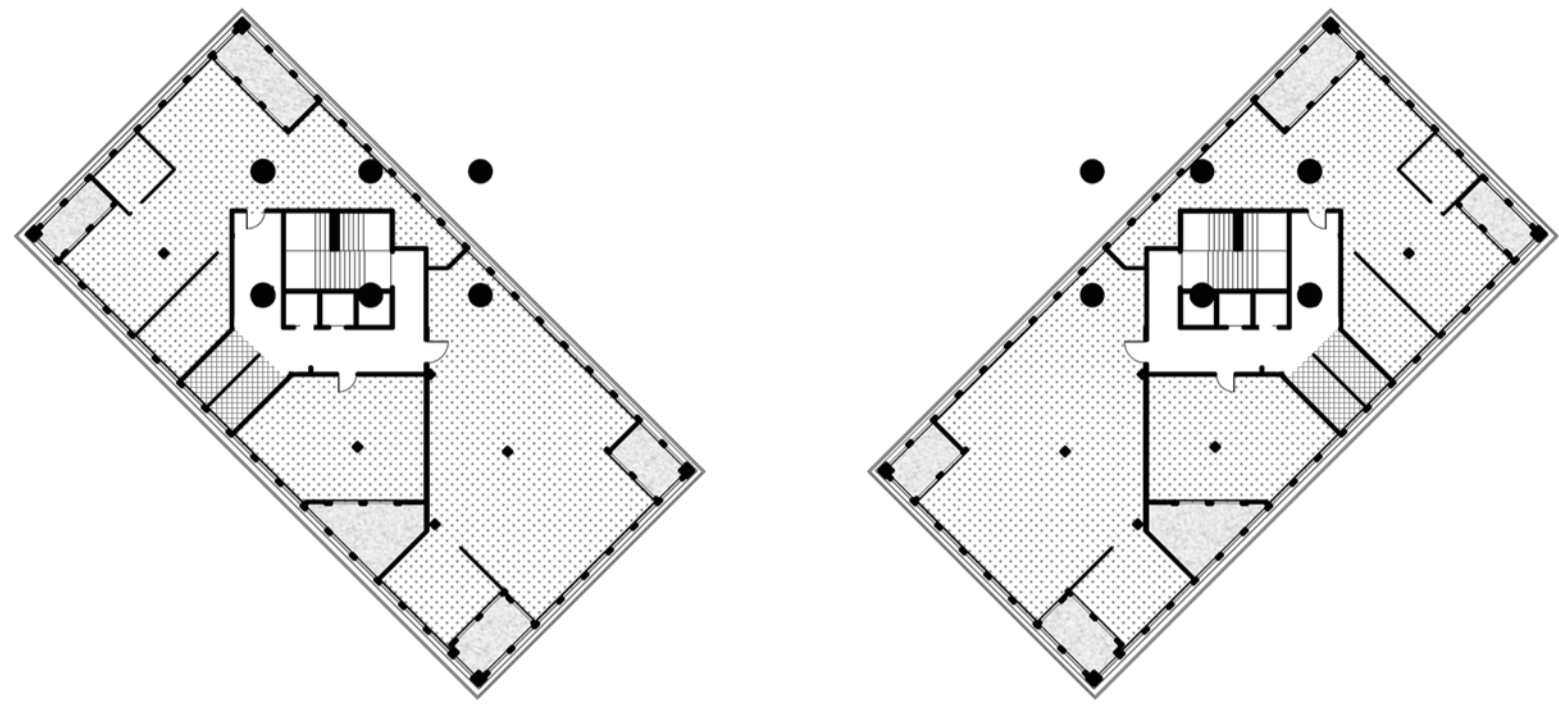


PLANS OF THE CENTRAL RESIDENTIAL PROJECT

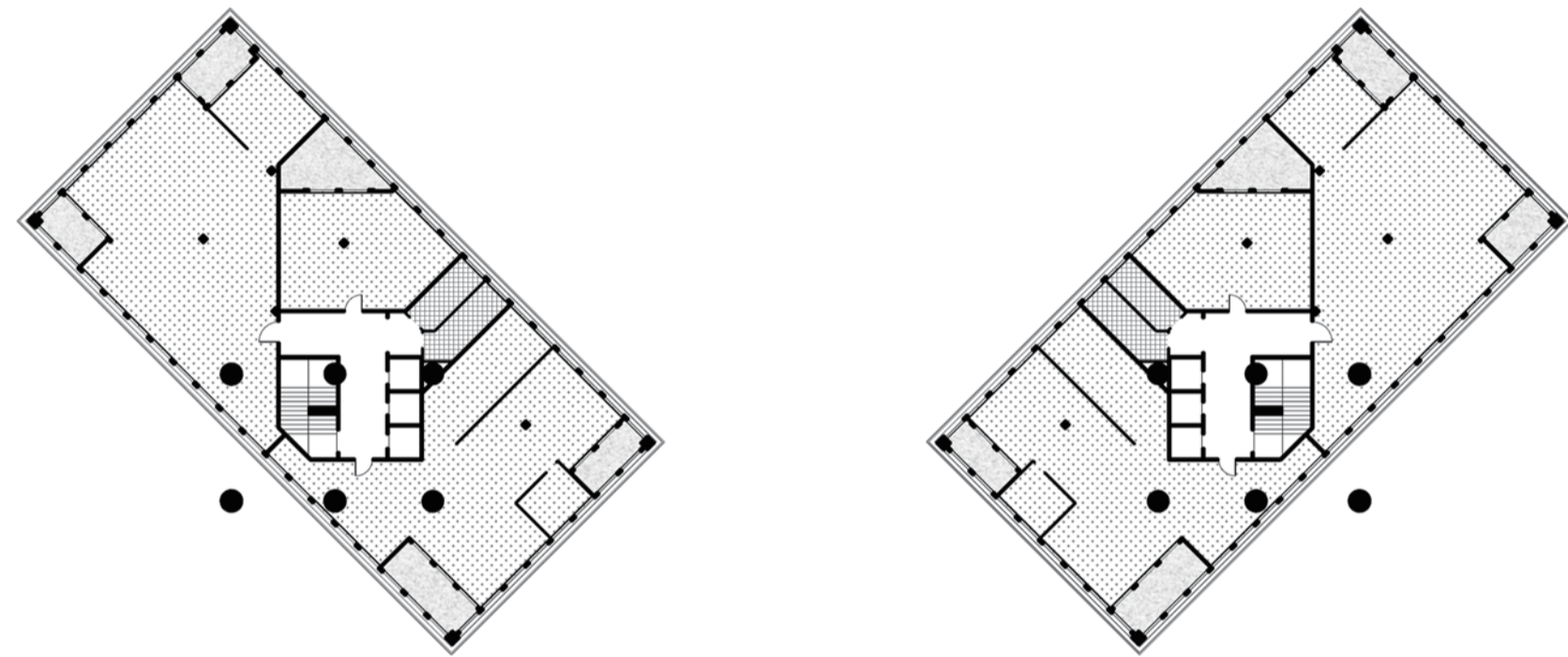
BUILDING PLAN / GF
1:500



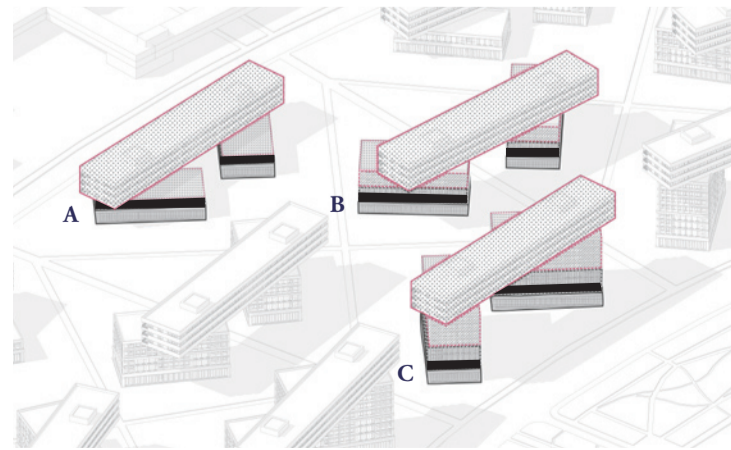
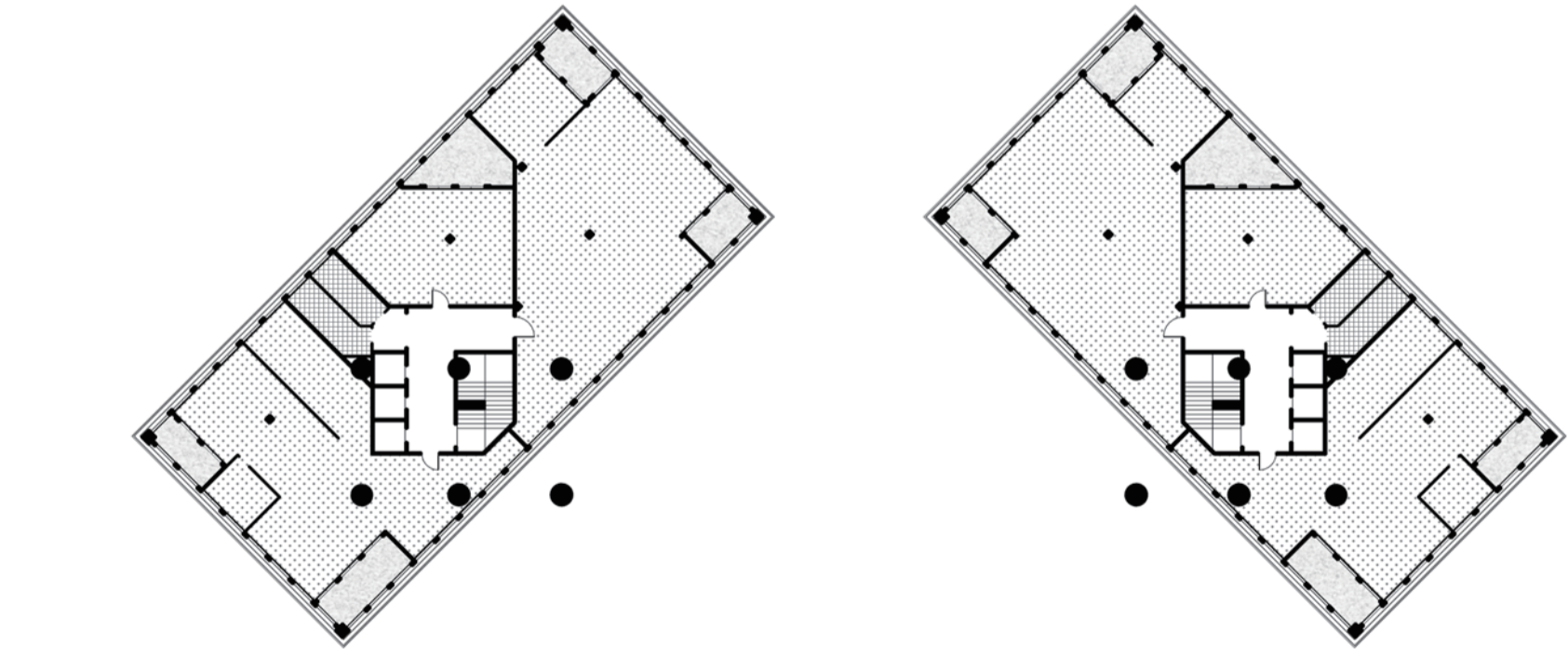
BUILDING PLAN - A / 1F








BUILDING PLAN - B / 1F



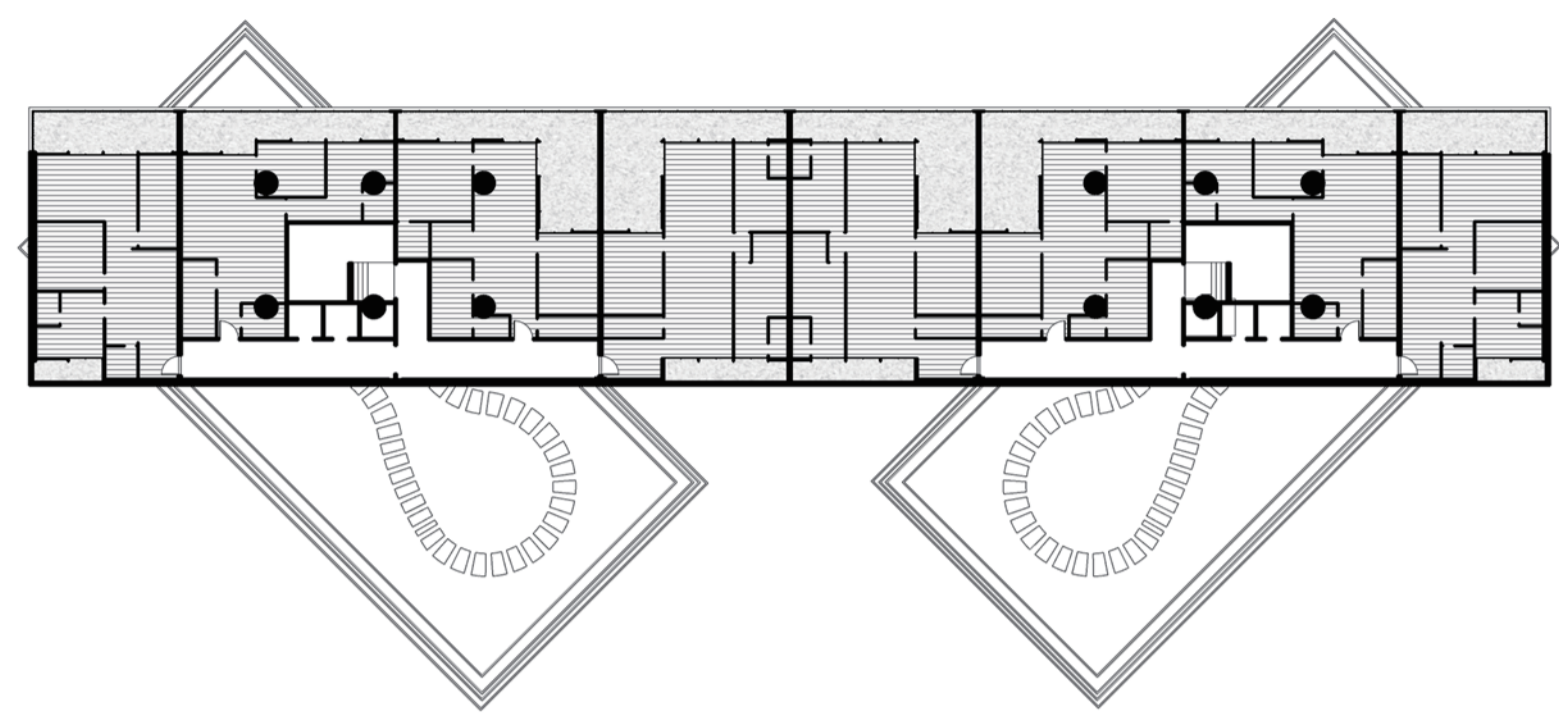
BUILDING PLAN - C / 1F



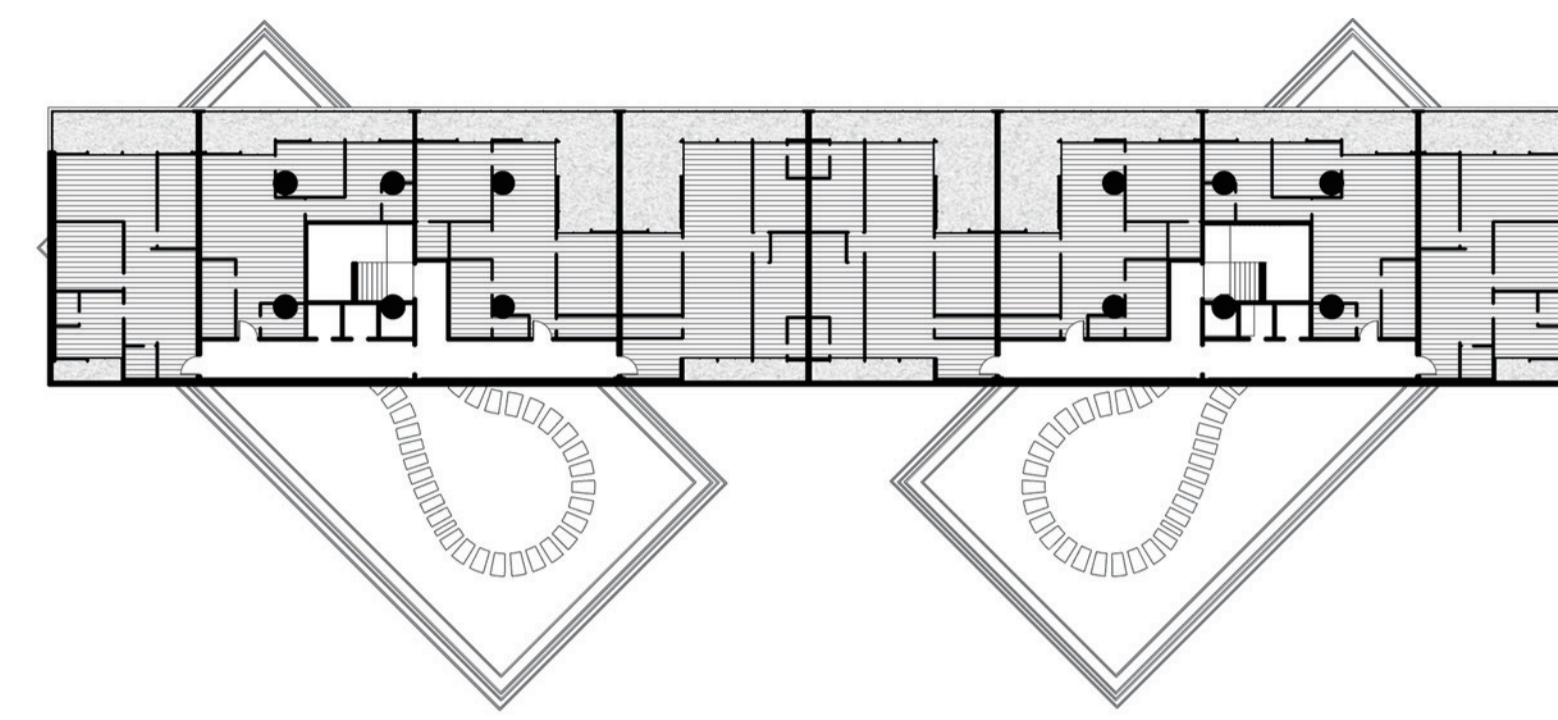
-  Building Entrance
-  Shop
-  Office
-  Toilet
-  Balcony

PLANS OF THE CENTRAL RESIDENTIAL PROJECT

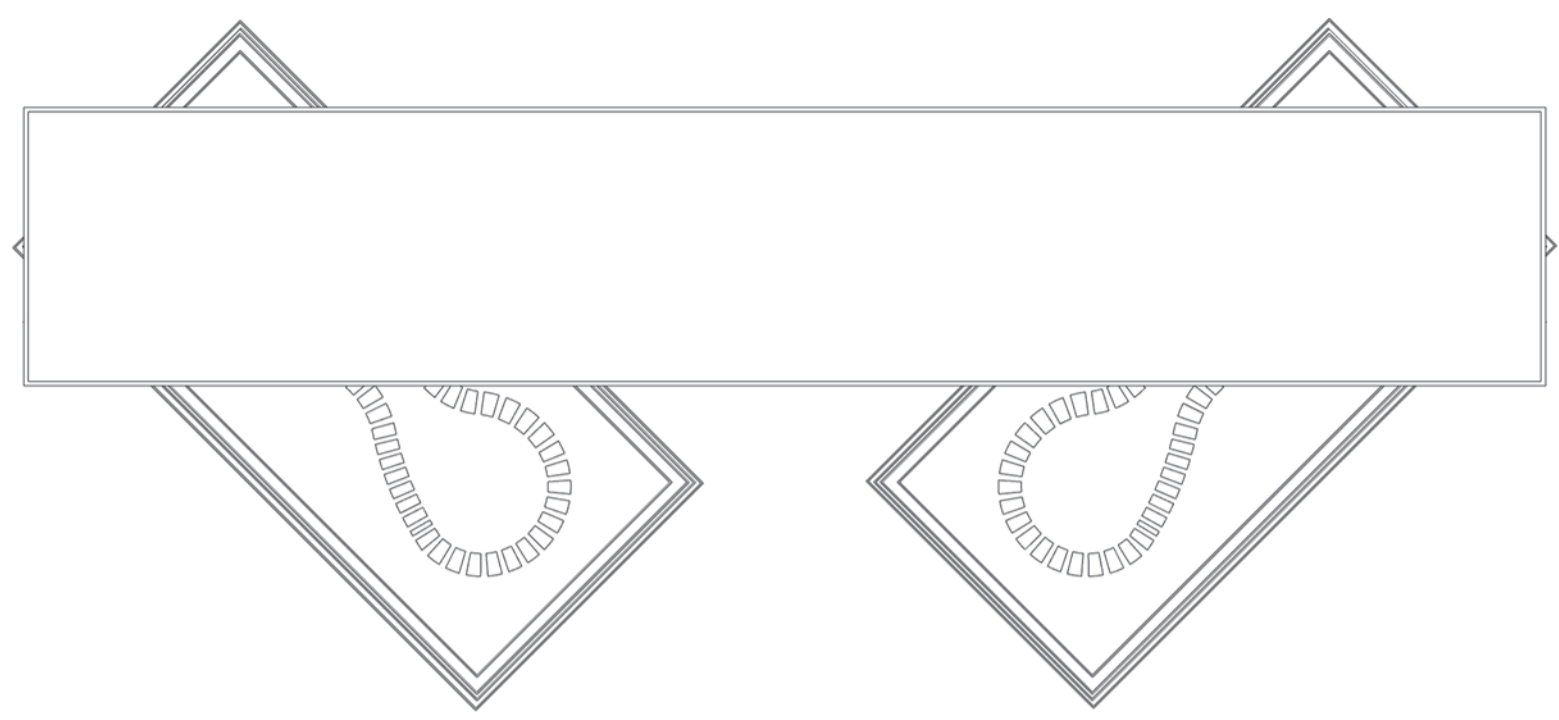
BUILDING PLAN - A / 3F



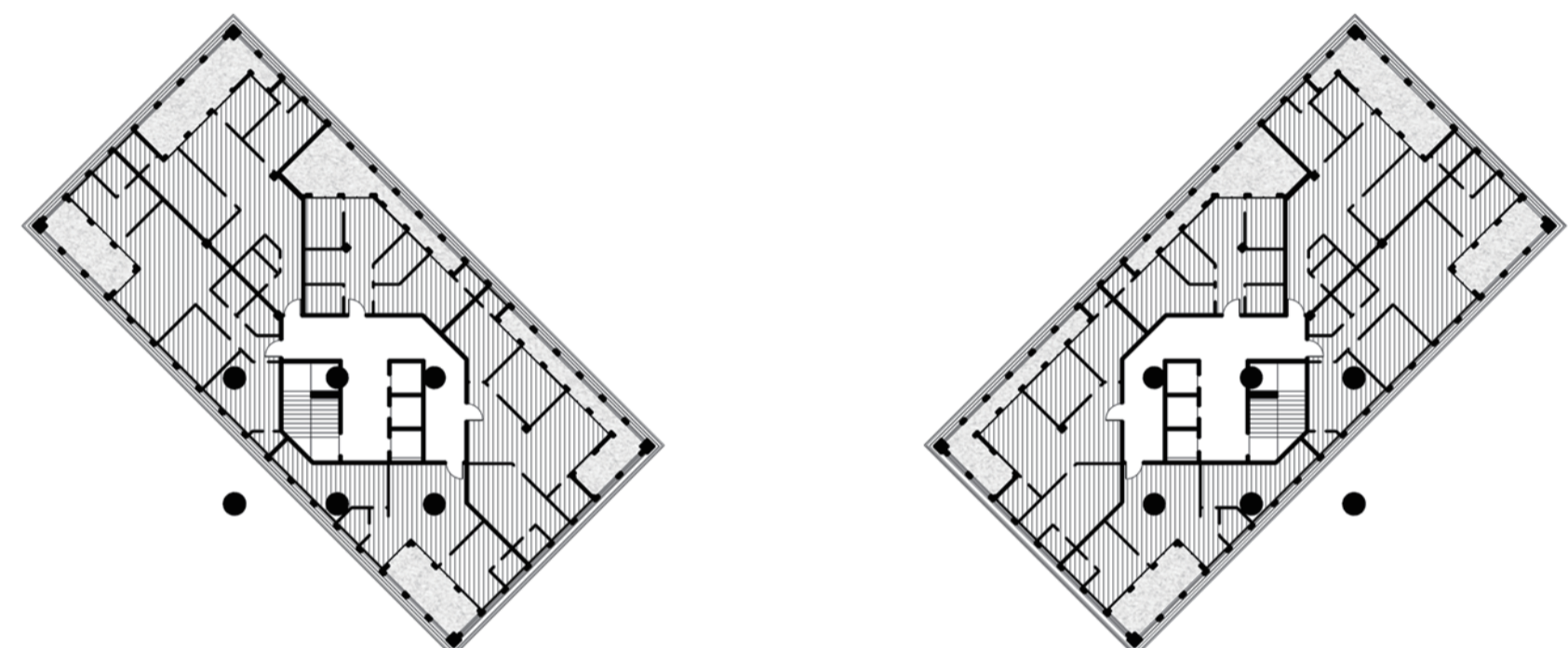
BUILDING PLAN - A / 5F



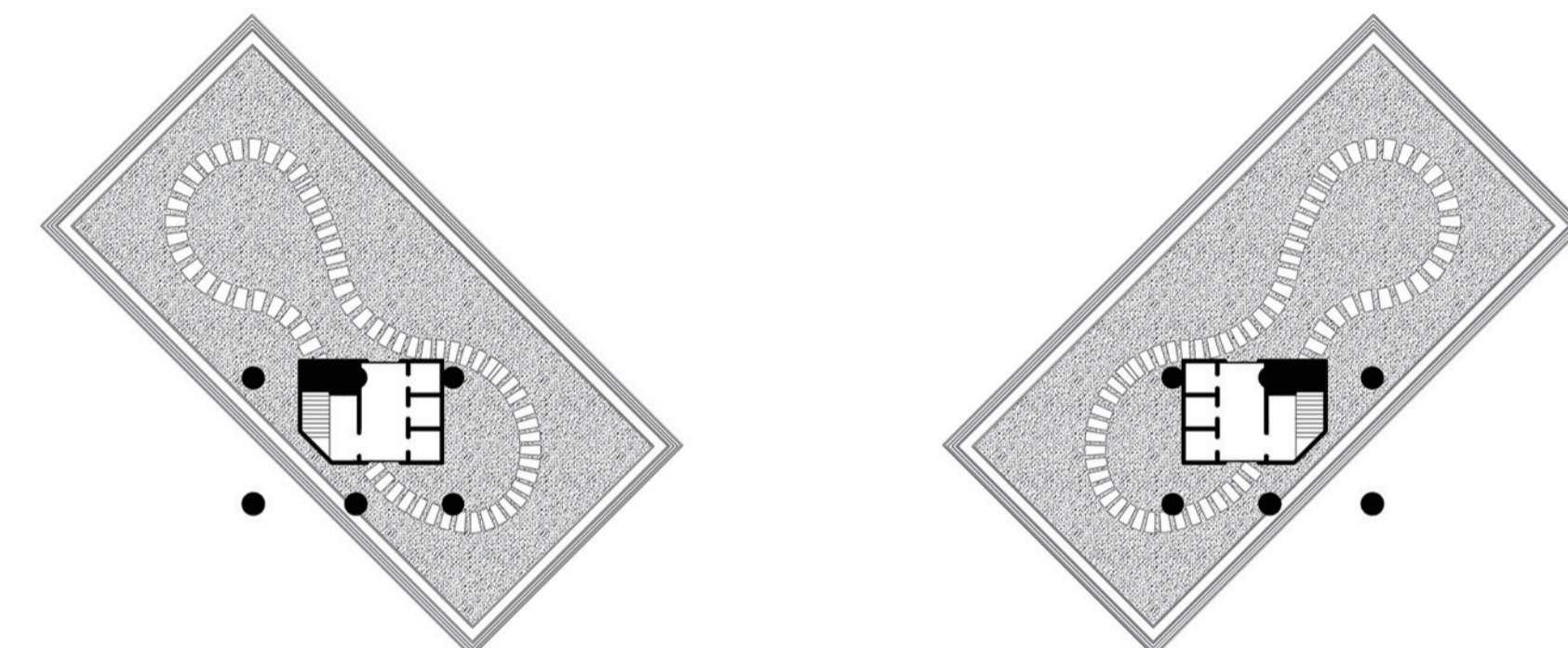
BUILDING PLAN - A / 9F



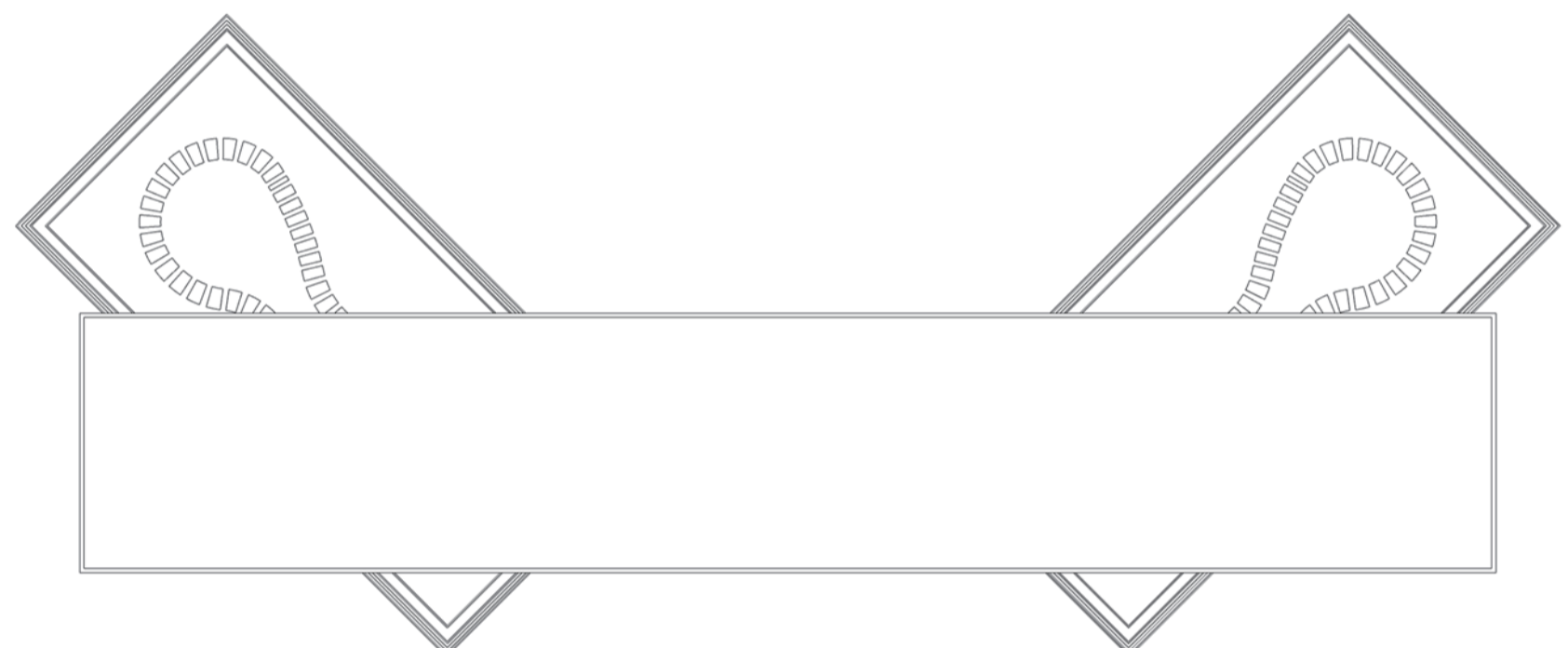
BUILDING PLAN - B / 3F



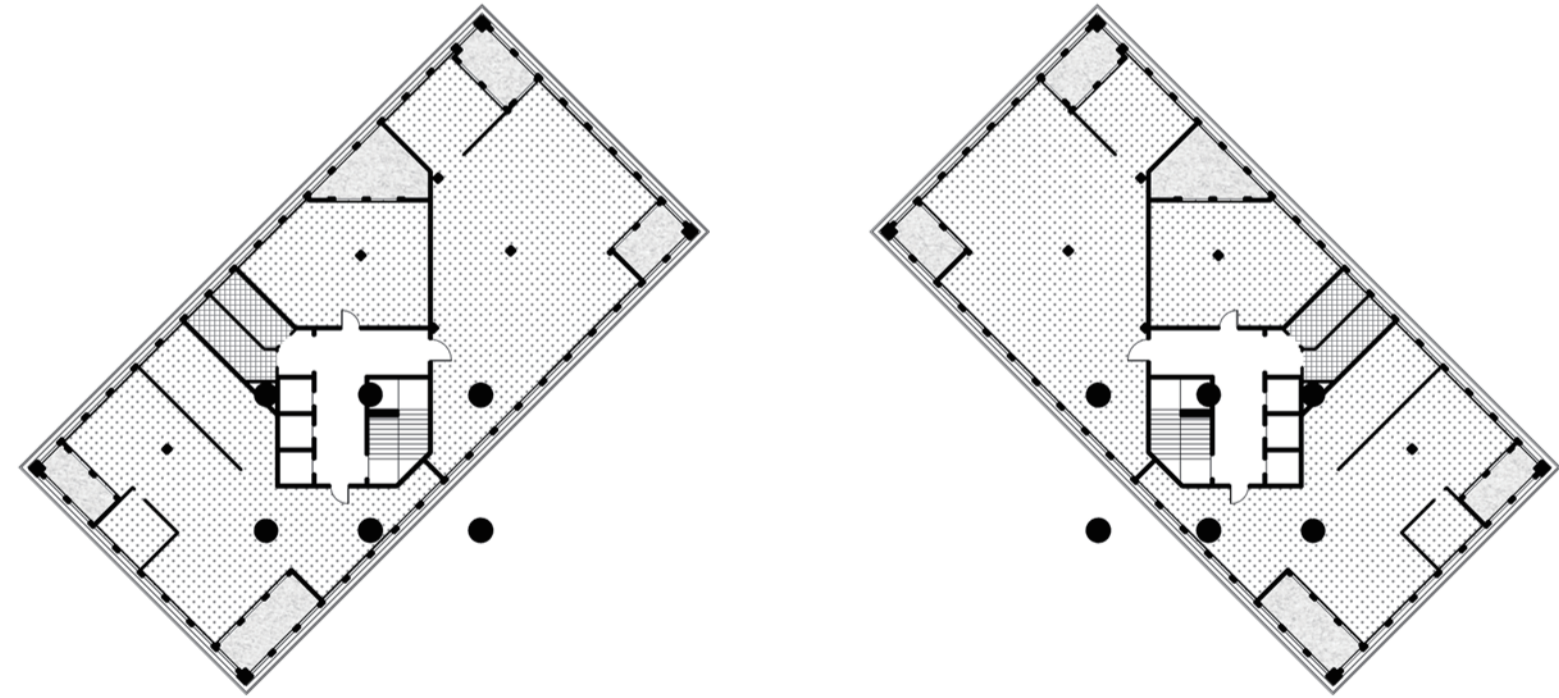
BUILDING PLAN - B / 5F



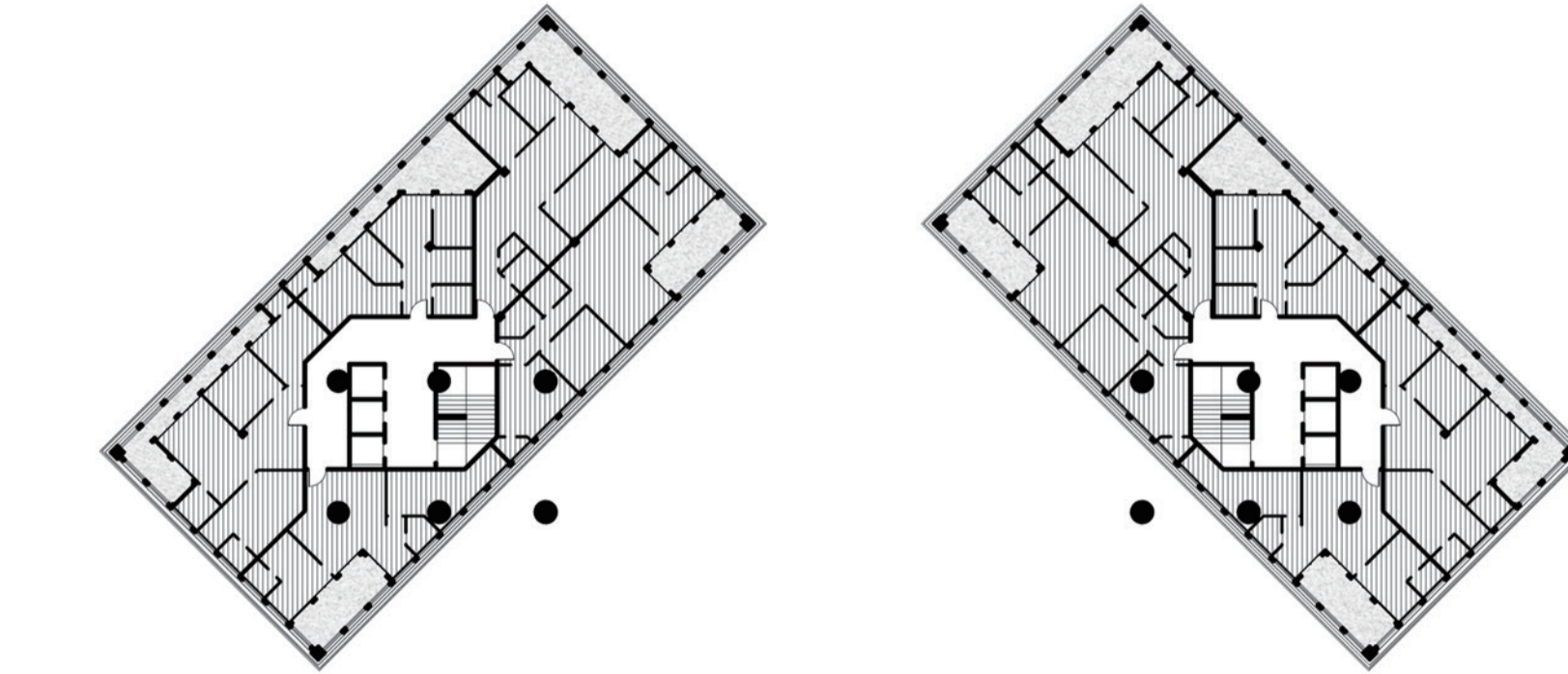
BUILDING PLAN - B / 9F



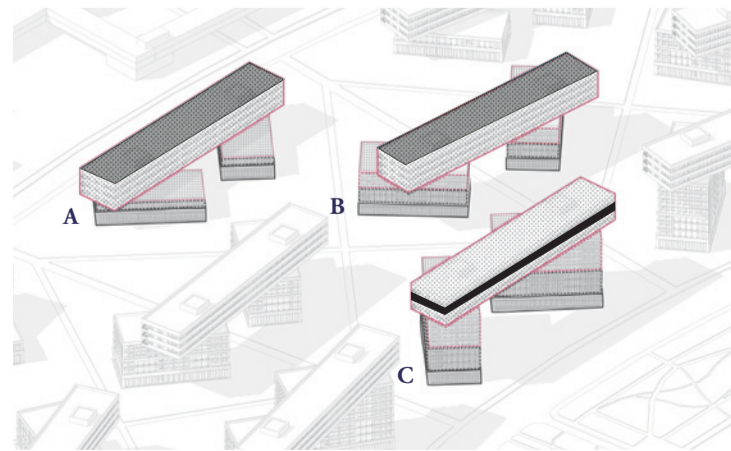
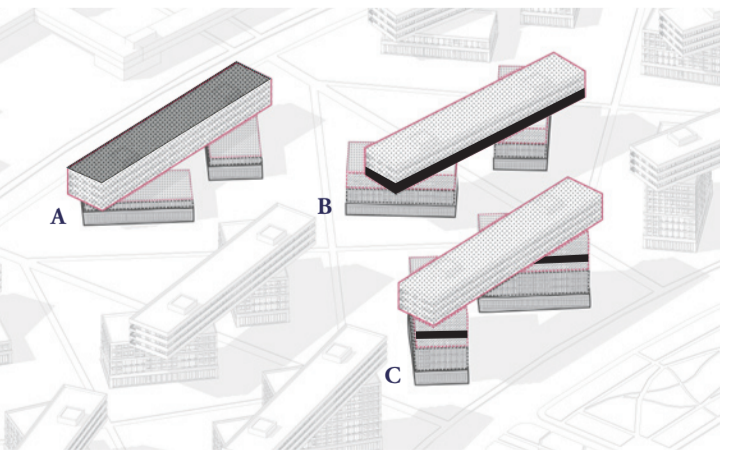
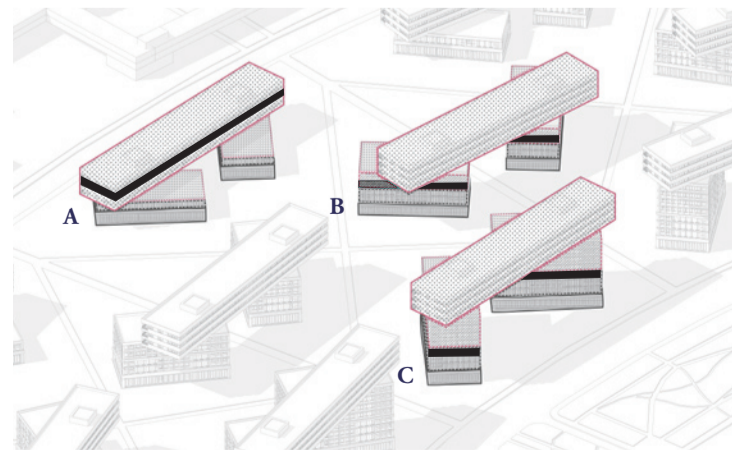
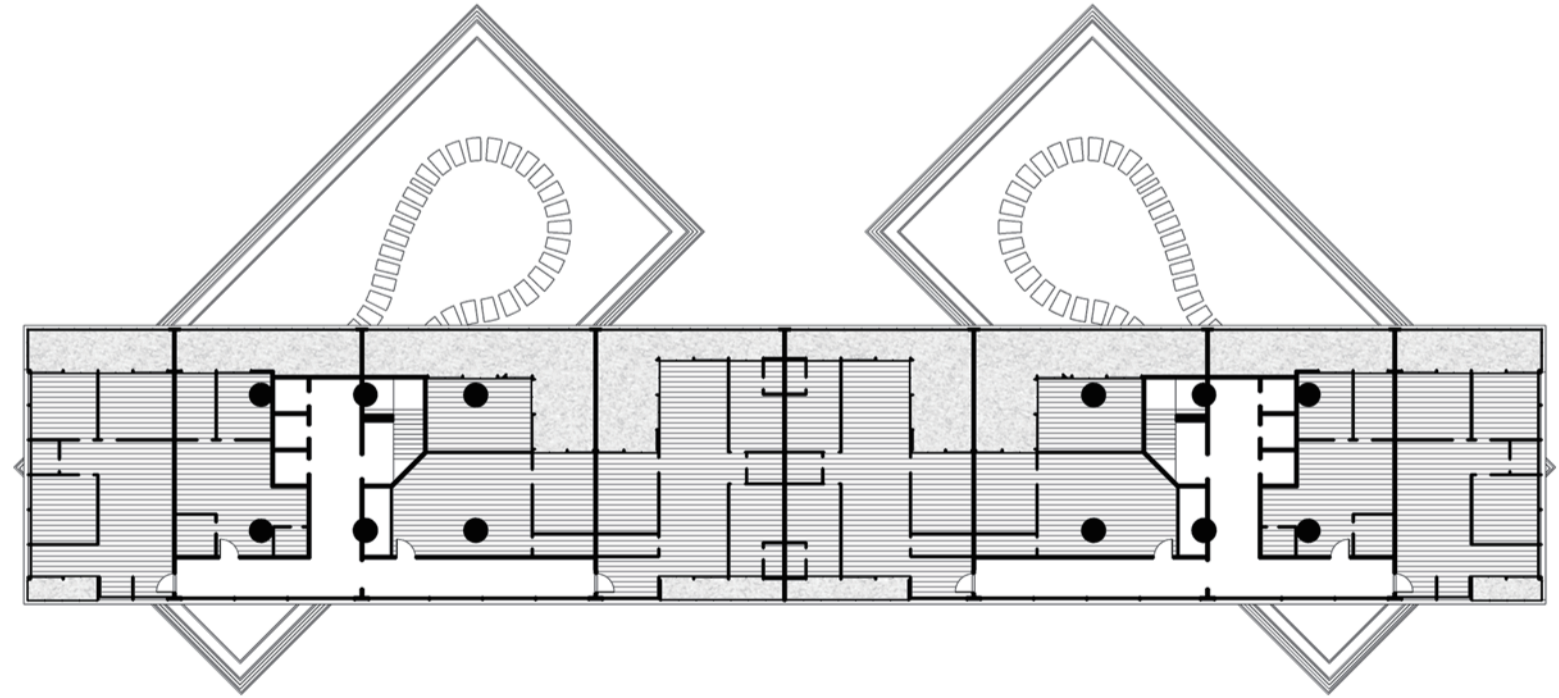
BUILDING PLAN - C / 3F



BUILDING PLAN - C / 5F



BUILDING PLAN - C / 9F

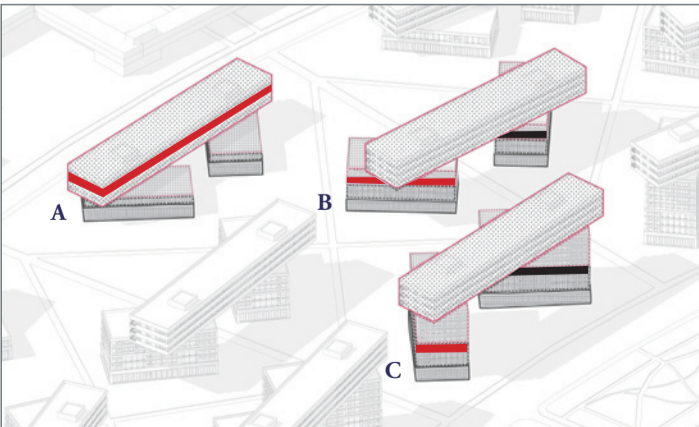
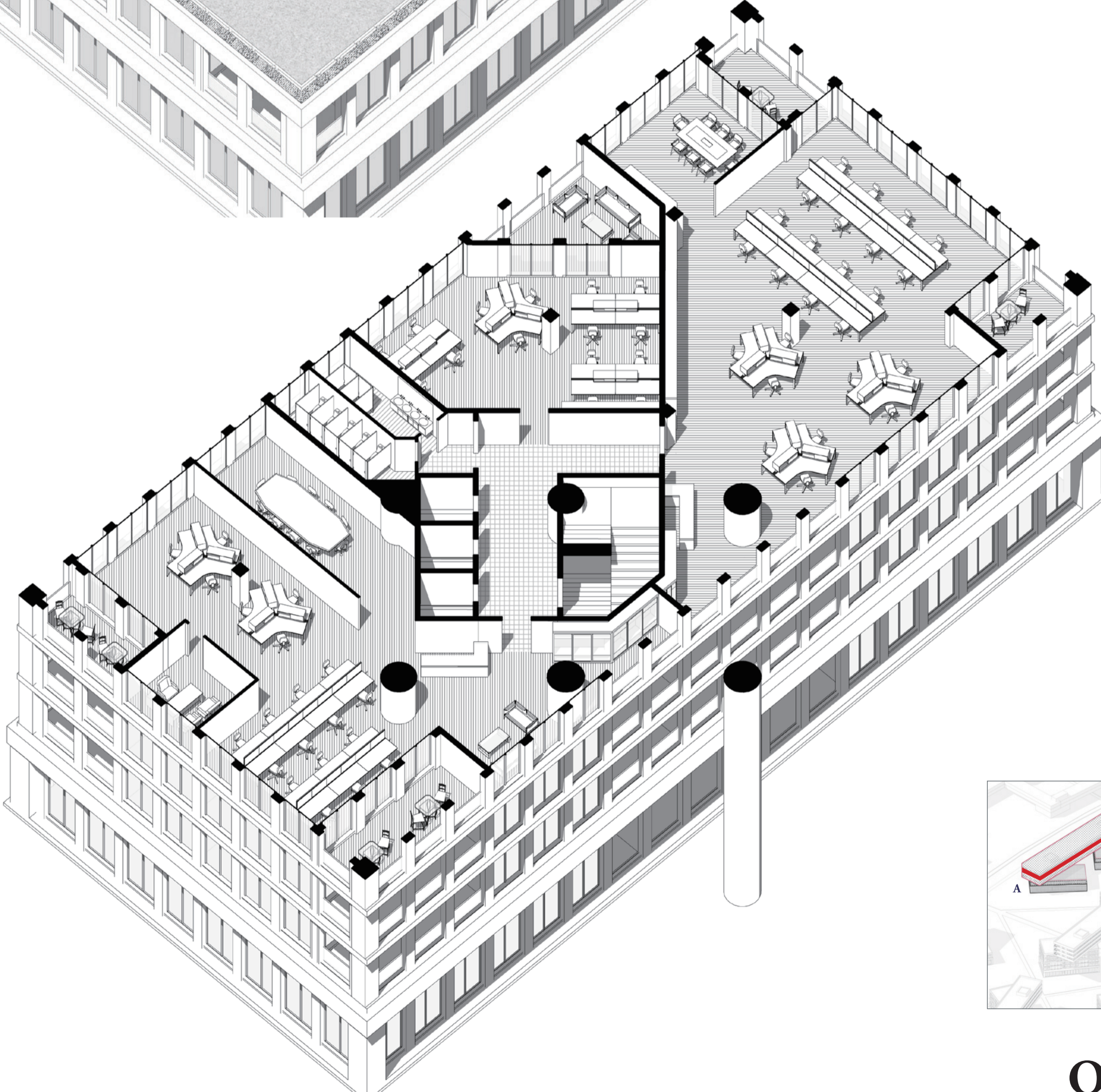
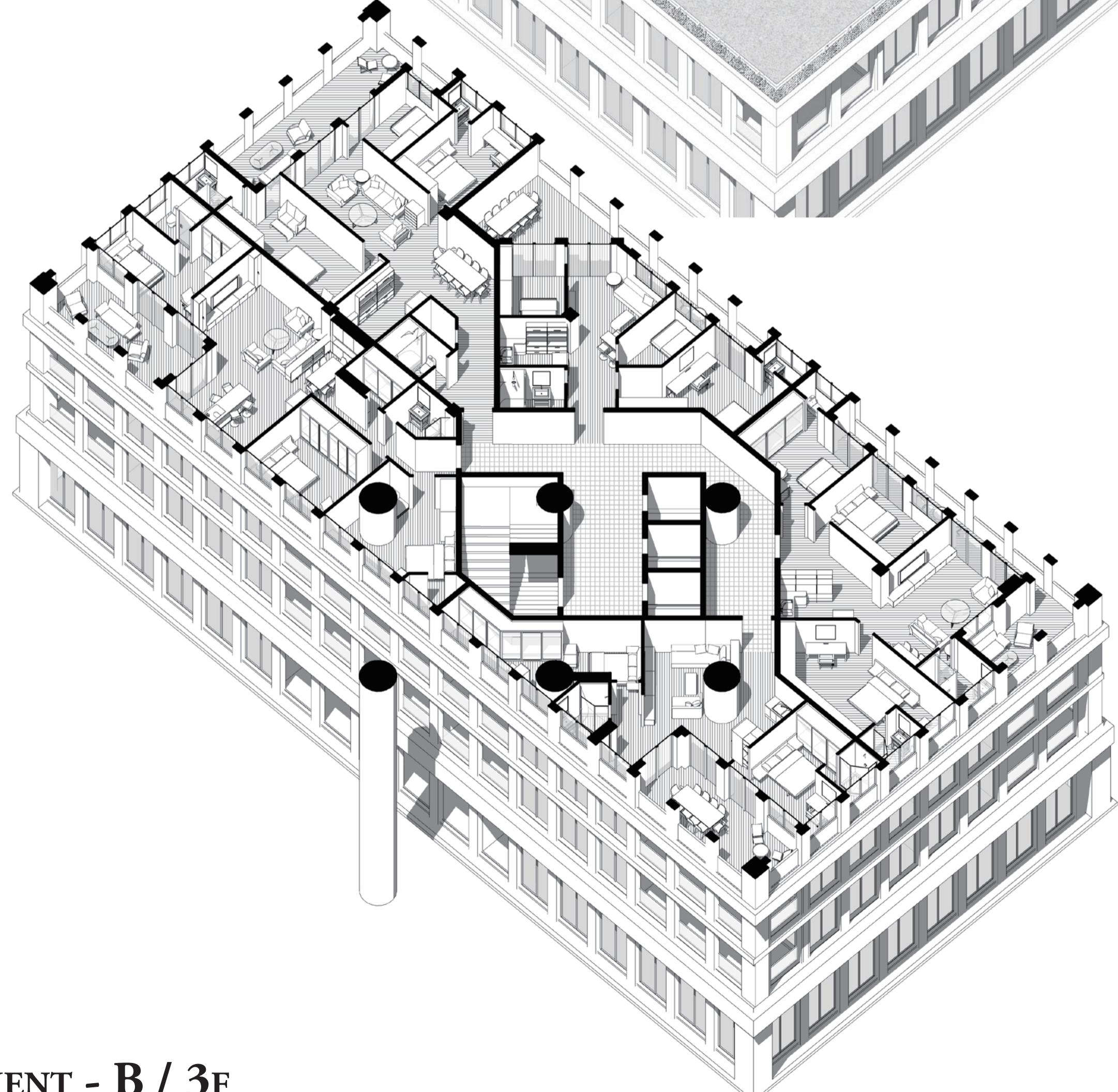
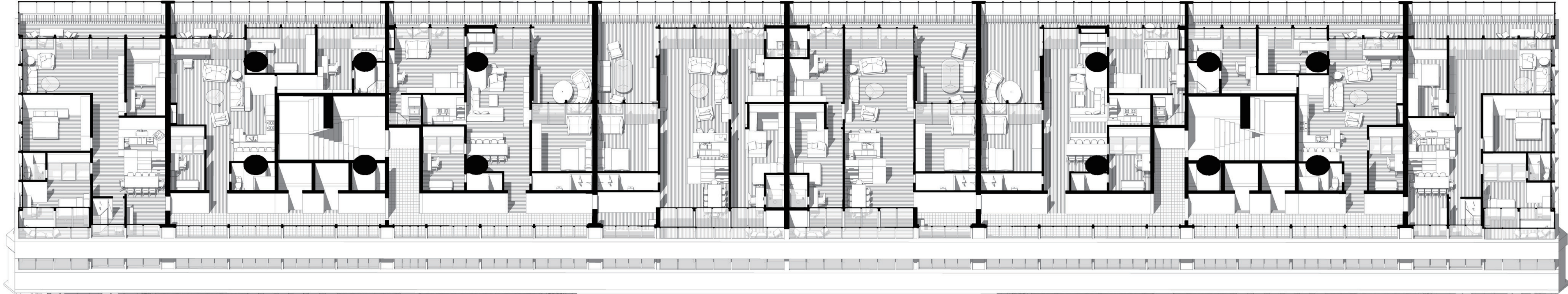


- Bridge Apartment
- Tower Apartment
- Balcony
- Roof Garden
- Office
- Toilet

0 10m 50m 100m

INTERIOR SPACE ARRANGEMENT OF THIRD FLOOR

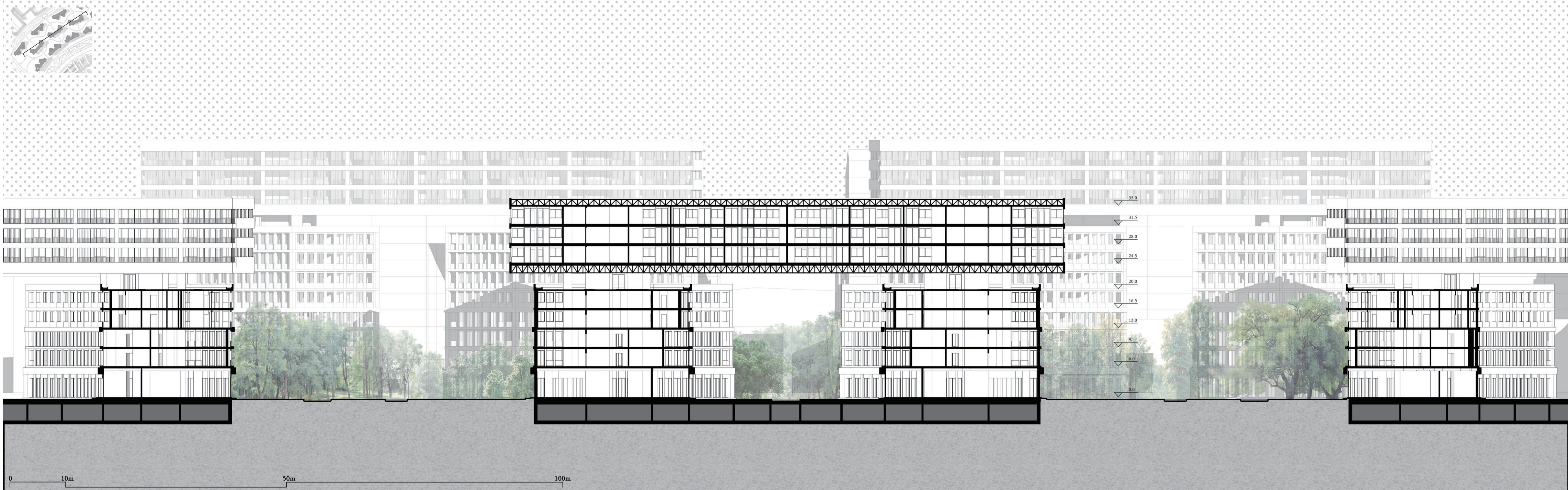
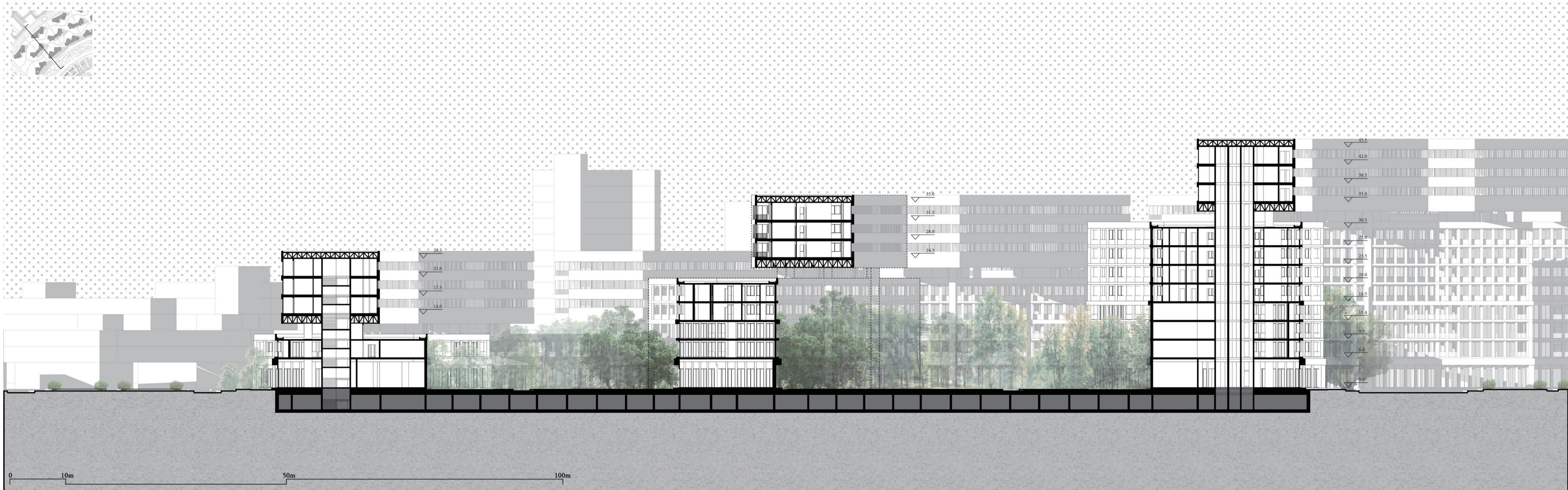
BRIDGE APARTMENT - A / 3F & ROOF GARDEN BELOW



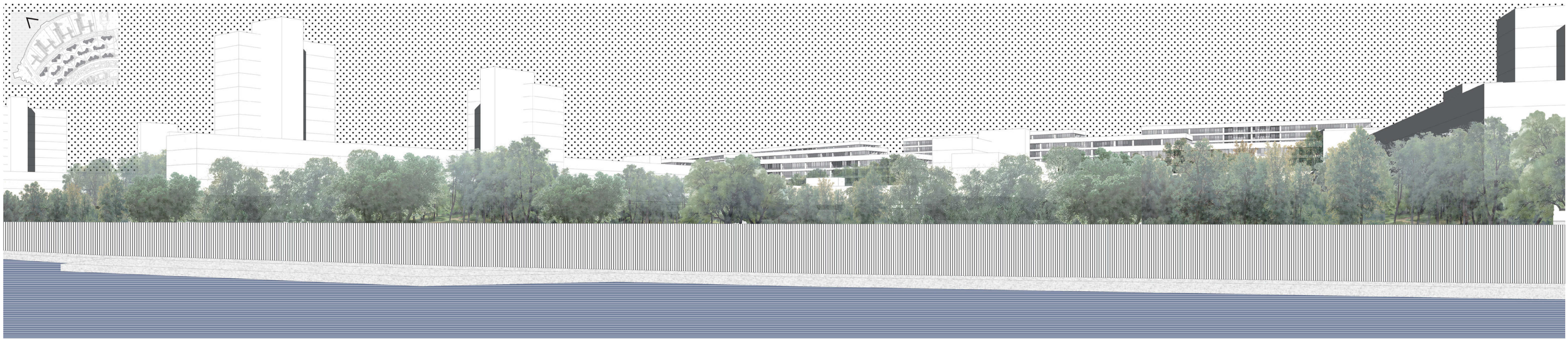
TOWER APARTMENT - B / 3F

OFFICE - C / 3F

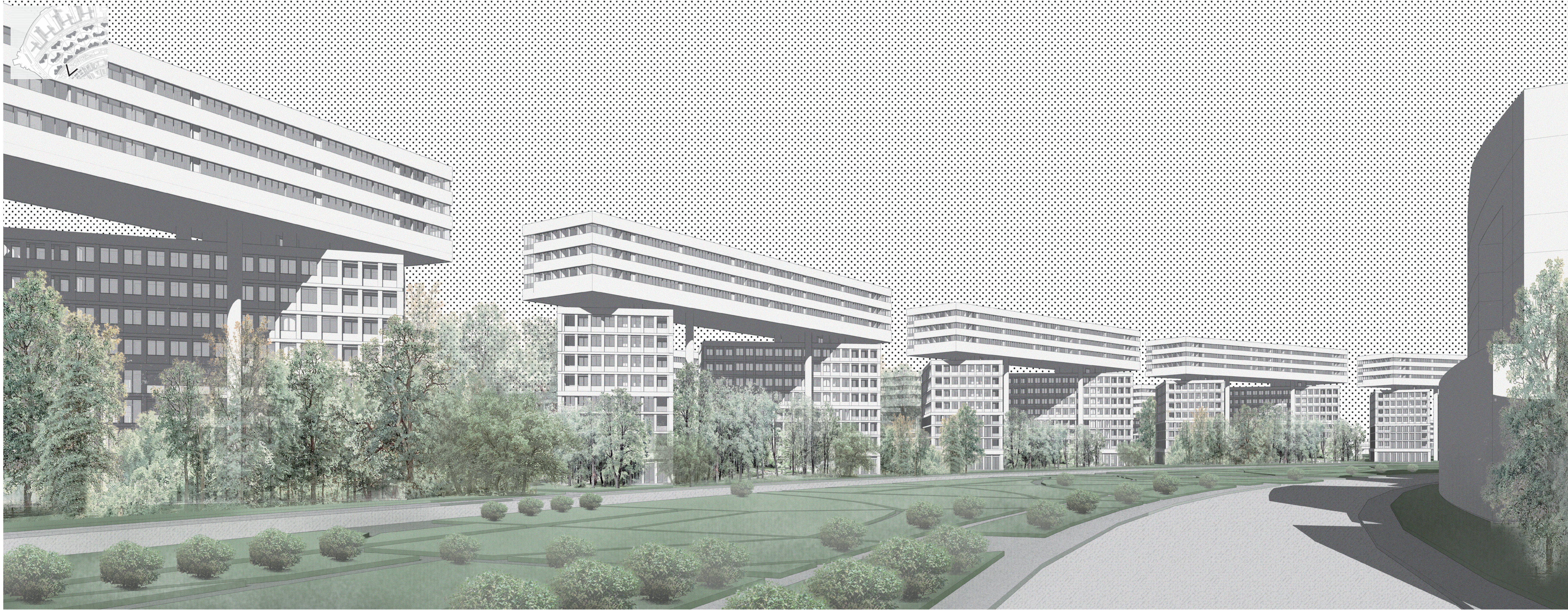
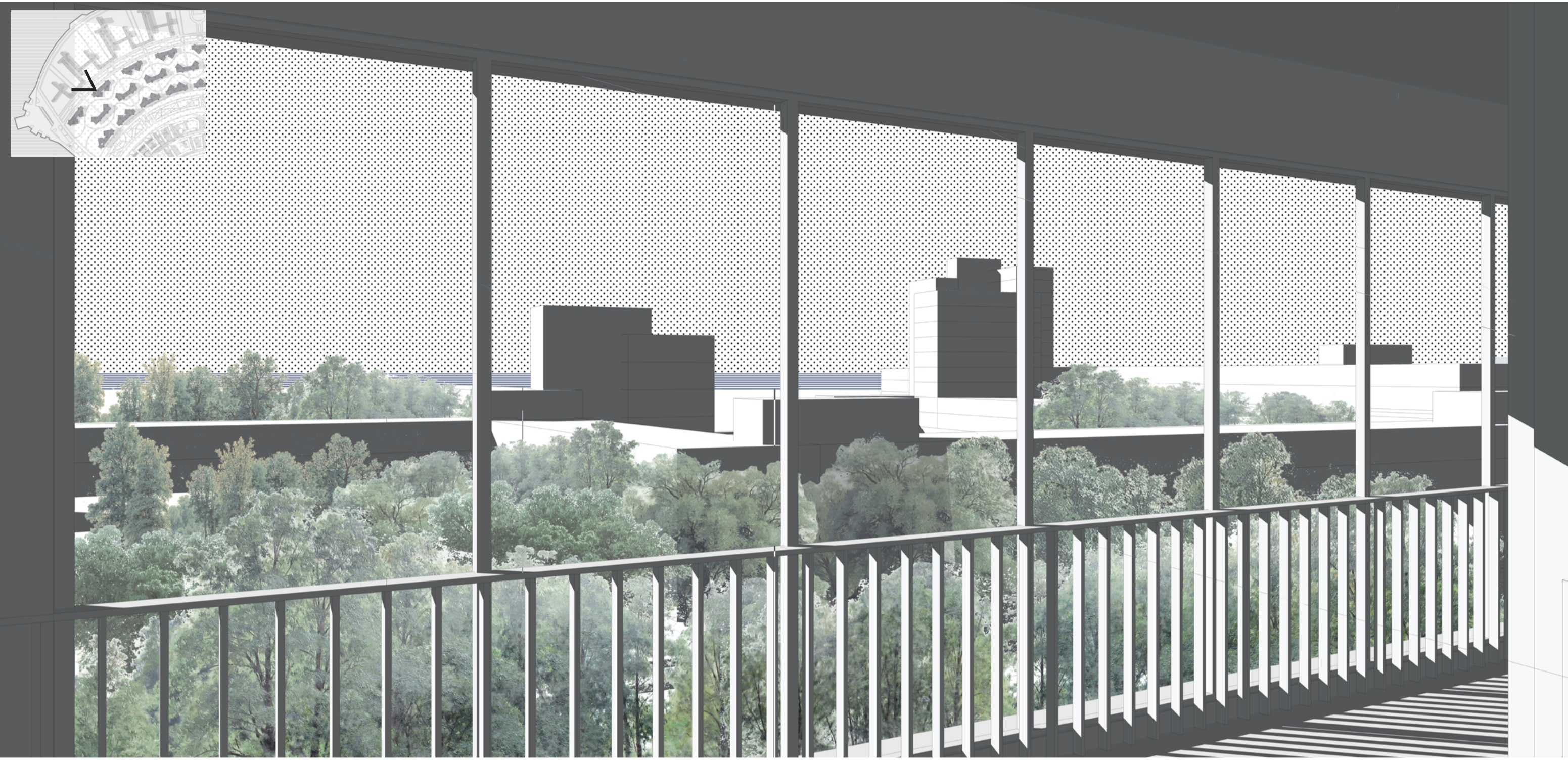
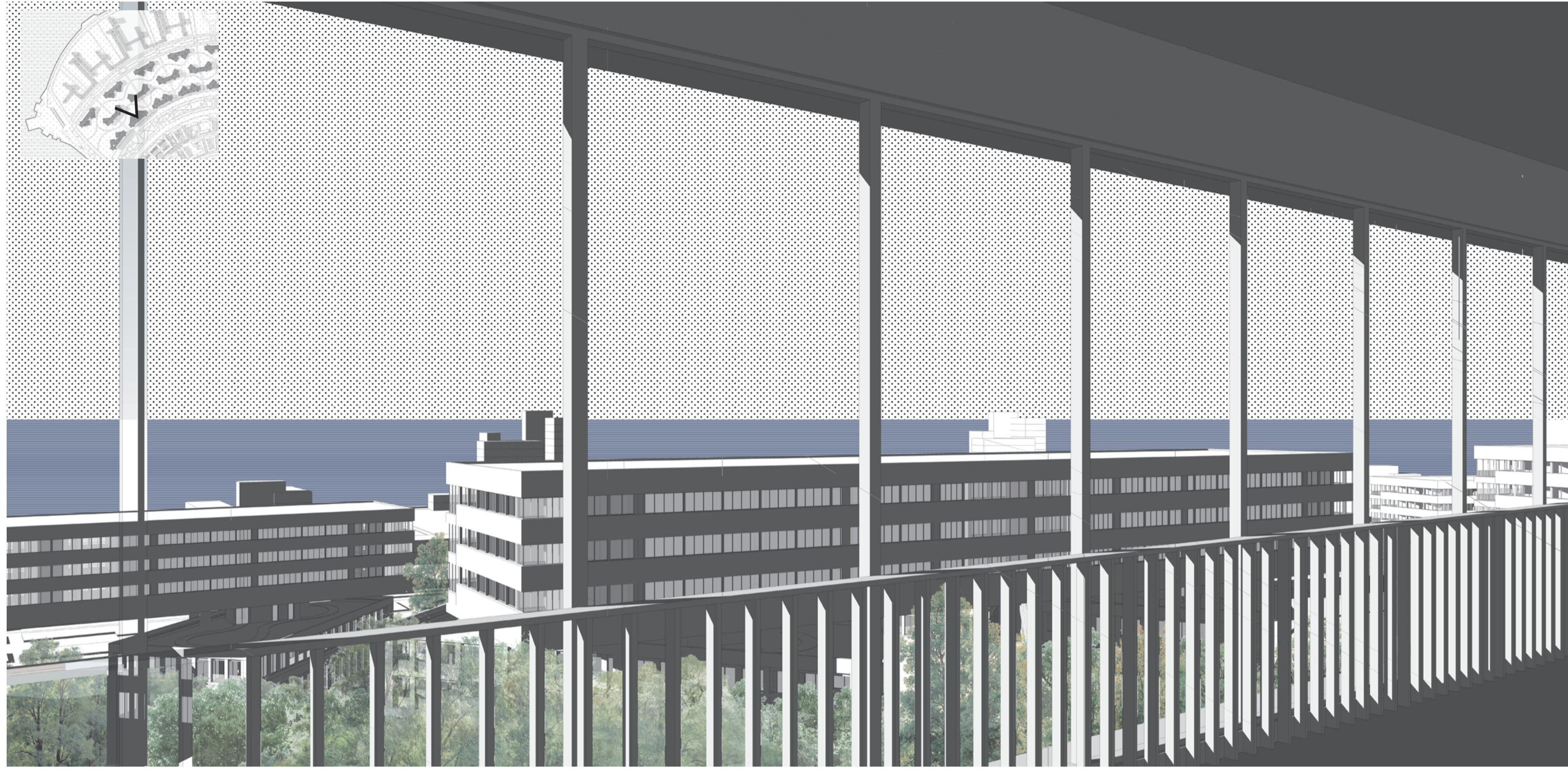
SECTIONS OF THE CENTRAL RESIDENTIAL PROJECT



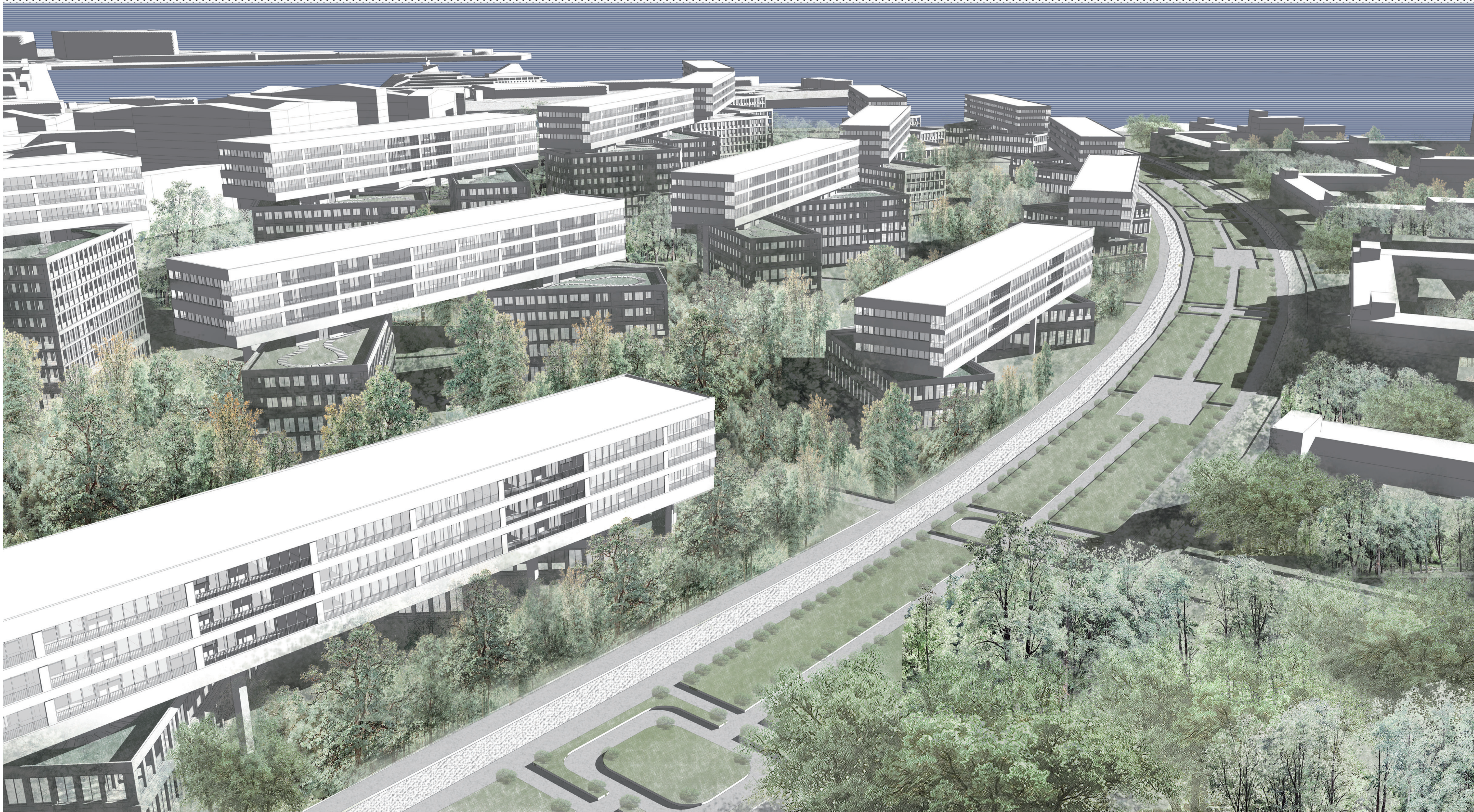
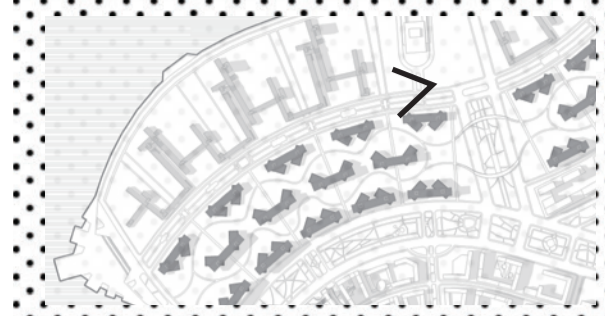
VIEWS OF THE CENTRAL RESIDENTIAL PROJECT



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