



**DANIEL KRAJNIK**  
Architectural Assistant Part 2  
M.Arch (RIBA/ARB)



CG Visualization (external)



BIM Model | Shell and Core

## ORMS ARCHITECTS

### St. Giles Circus

For this mixed-use, multimedia and revitalization project I've helped the team of 3 architects with conversion and development of an existing Microstation-based package of drawings into a Revit-based BIM model. Construction process was accelerated thanks to the "Top-Down" construction. Deep foundations (secant walls) were used to combat vibrations induced by the Crossrail tunnel underneath. Two stage procurement allowed for a number of optimizations of the multimedia and the event spaces.



Site proposal with landscaping for the new museum complex.



Diagram 1

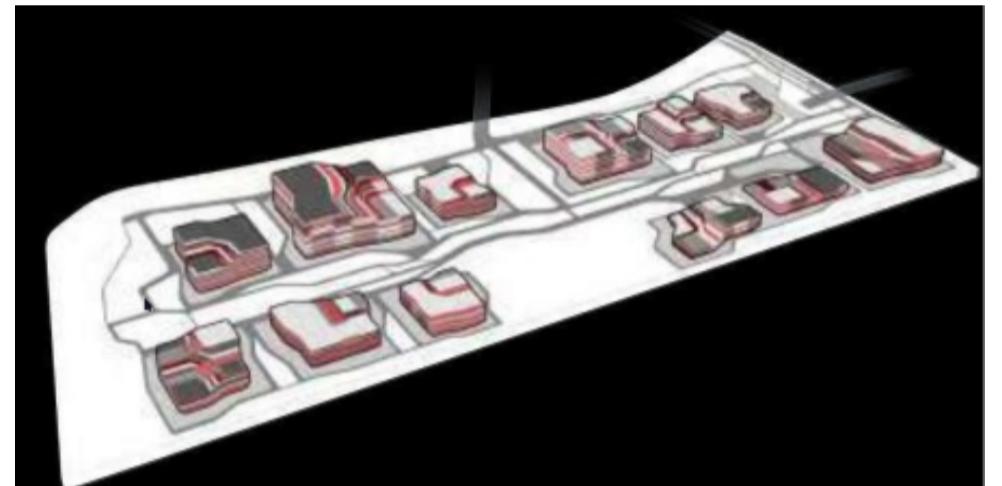


Diagram 2



Site render (External)

## SEJONG MUSEUMS COMPLEX

### Landscaping

Competition entry for the Administrative City of Sejong in South Korea. Team work, during which my individual tasks included preparation of landscaping parts of the 3d model, diagrams explaining design process and plan for the masterplan and the first phase of the construction.



Part Sections and Elevations - Independent Living



Site Render (Vray) - Proposed Housing Scheme

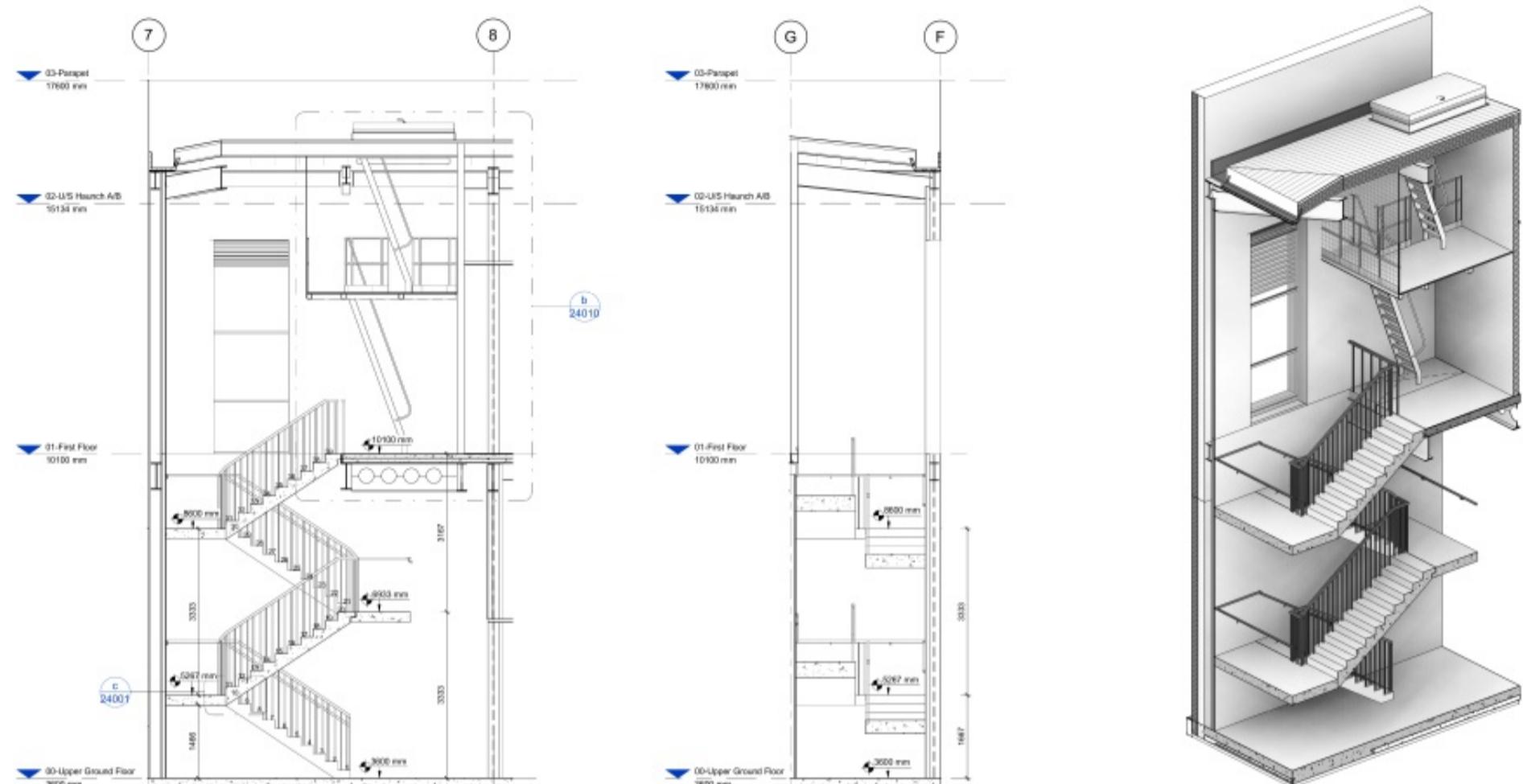
## CHETWOODS ARCHITECTS

### Mundon Road

Low rise private residential housing with a range of sizes and types. 60 unit 'Independent Living' affordable housing retirement complex. I worked in a team that developed the planning application and took responsibility for creating a set of drawings and 3D visualizations following both the established office conventions and new technologies. Package was completed to Stage 3 using customized Rhino software and parts in AutoCAD.



Internal Facade - 3 of 5 Logistics Units



Sample Internal Detail - Staircase with roof access



Site Render (Enscape) - Proposed Scheme

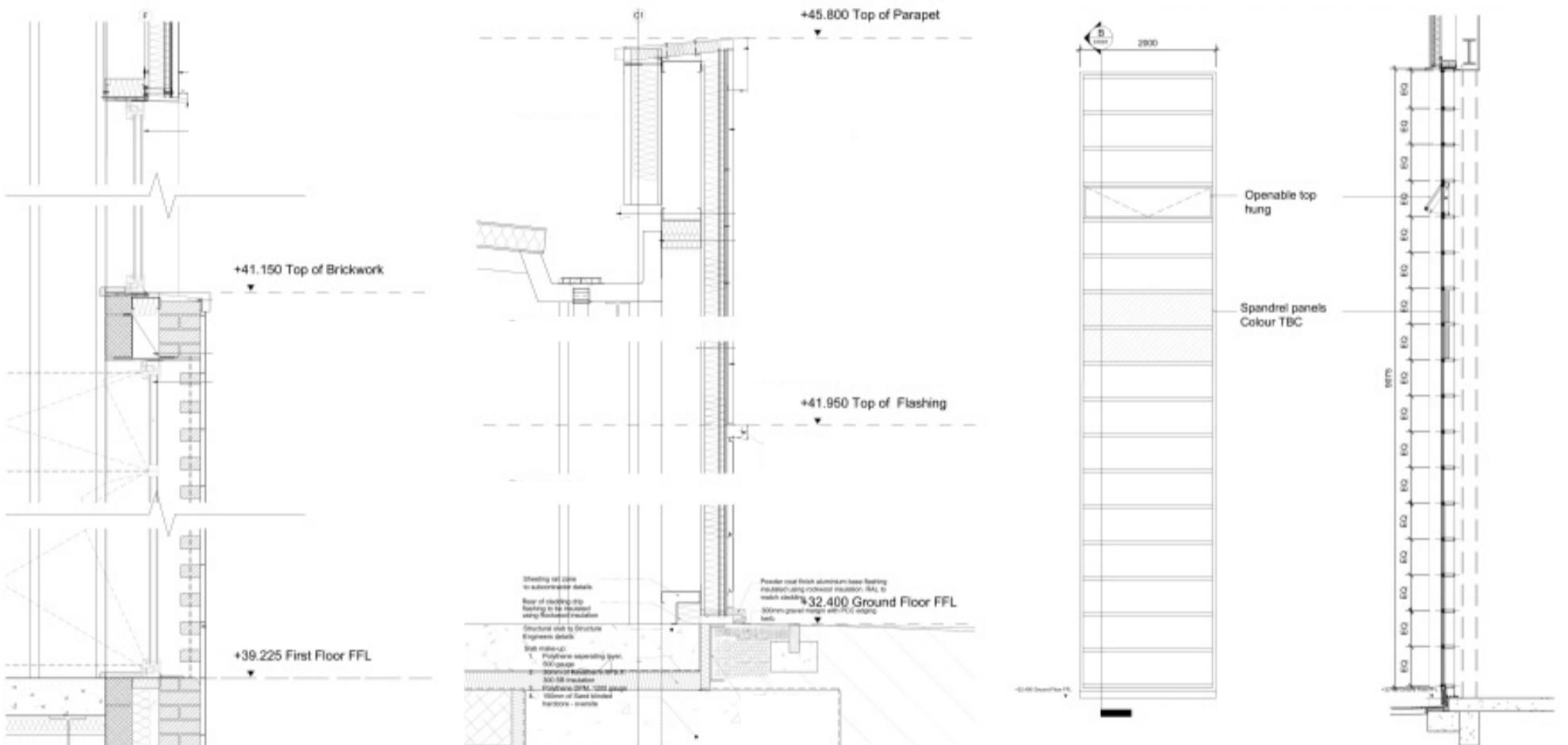
## CHETWOODS ARCHITECTS

### Peterboat Close

Located to the North East of Greenwich in London a delivery-oriented logistics facilities. I assisted the team to mid-Stage 4 under supervision of an architect specialized in Revit software. I've helped to draw and continuously update full set of drawings respecting the existing office conventions and leveraging new BIM technologies.



Front Facade (planning pack) - Brixton Hill



Sample Internal Details - Facade and Curtain Wall Sections

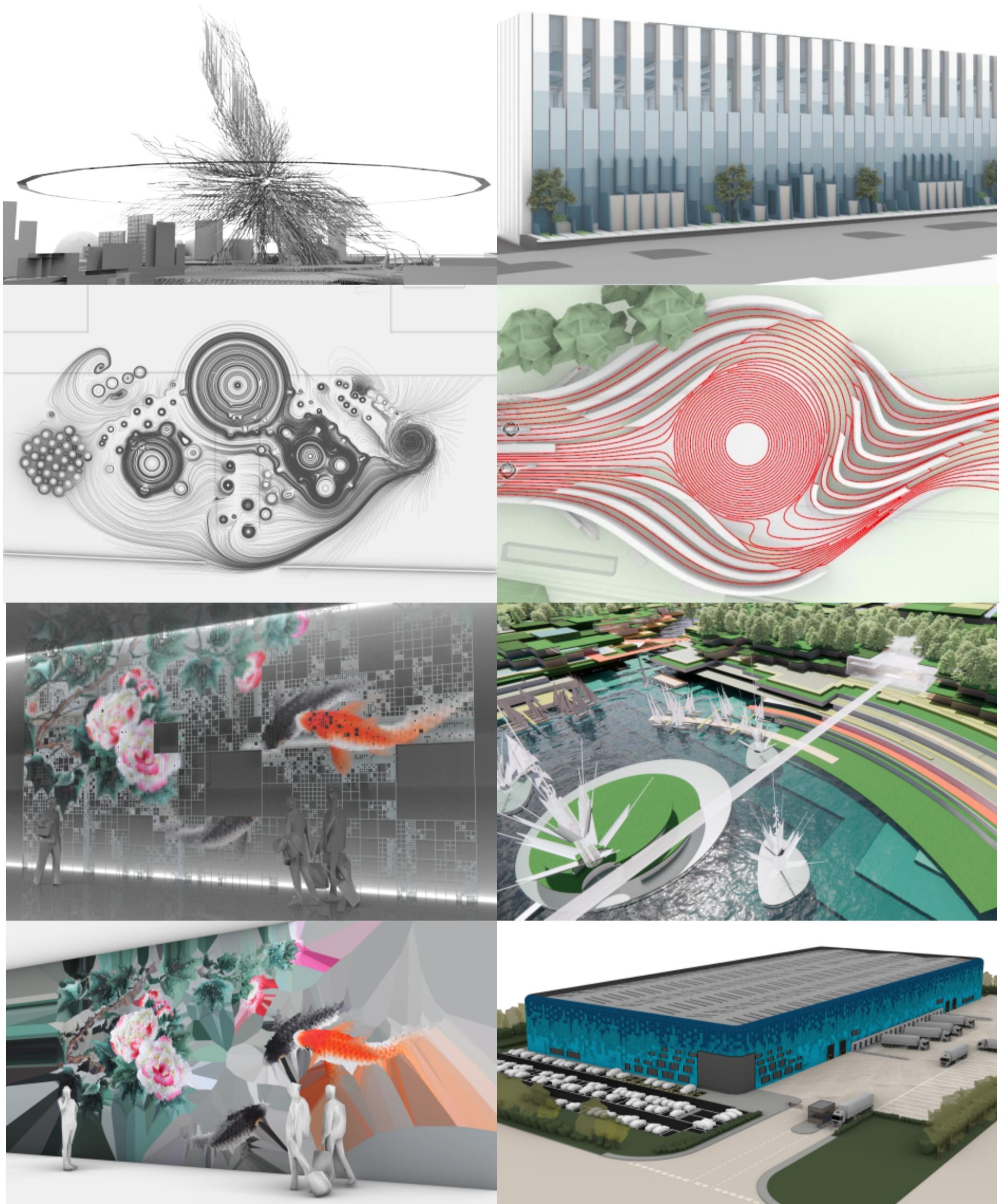


Site Render (External) - Proposed Scheme (tender)

## CHETWOODS ARCHITECTS

### Brixton Hill

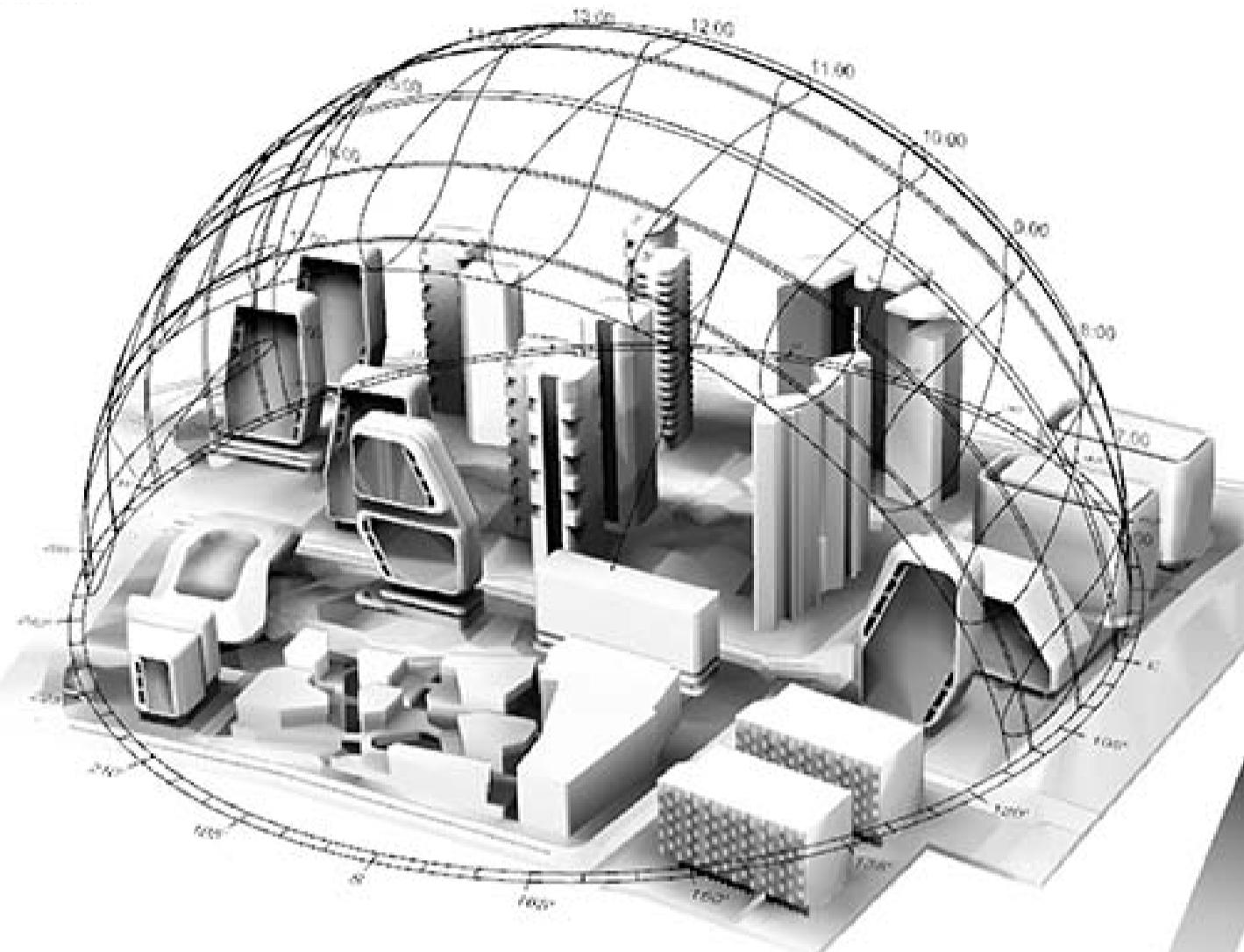
Two storey warehouse located in Brixton Hill, London. I've helped the team to develop the project from the early Stage 2 to the late Stage 4 under supervision of experienced architects in the field of logistics. Software used included AutoCAD, Sketchup and Adobe Suite. Many aspects of this developments were used to feed development and adaptation of the Peterboat Close project.



Samples of my designs prepared for various Studio-led projects

## CHETWOODS ARCHITECTS Studio

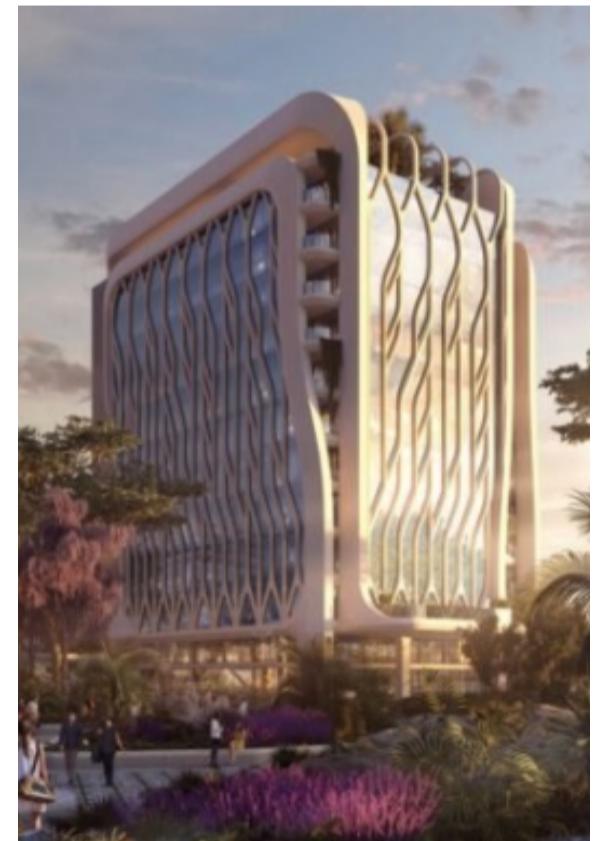
As part of a design-oriented team in the office working on new ideas and exploration of business opportunities I engaged in a number of competitions and early design phases for the existing projects. I utilized skills in cutting edge software packages like Rhino/Grasshopper and Houdini, some of which I'm publishing on a website ([archcodes.com](http://archcodes.com)).



Grasshopper was used to tap into libraries of solar data in the region and perform optimizations.



Proposed scheme used for solar analysis

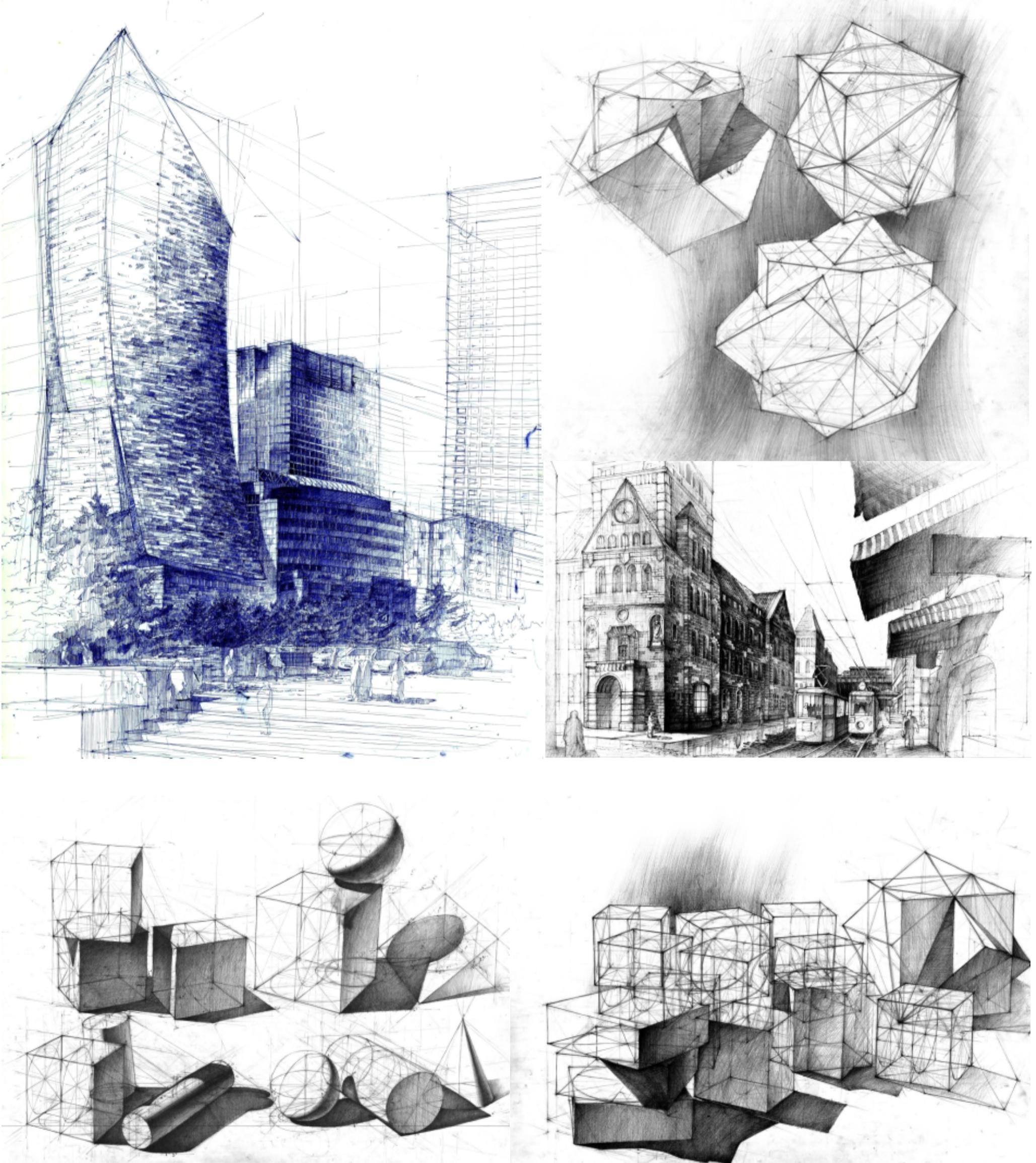


Shading analysis conducted to accelerate the design.

## UNSTUDIO

### Smart Karle Town Center Solar Studies

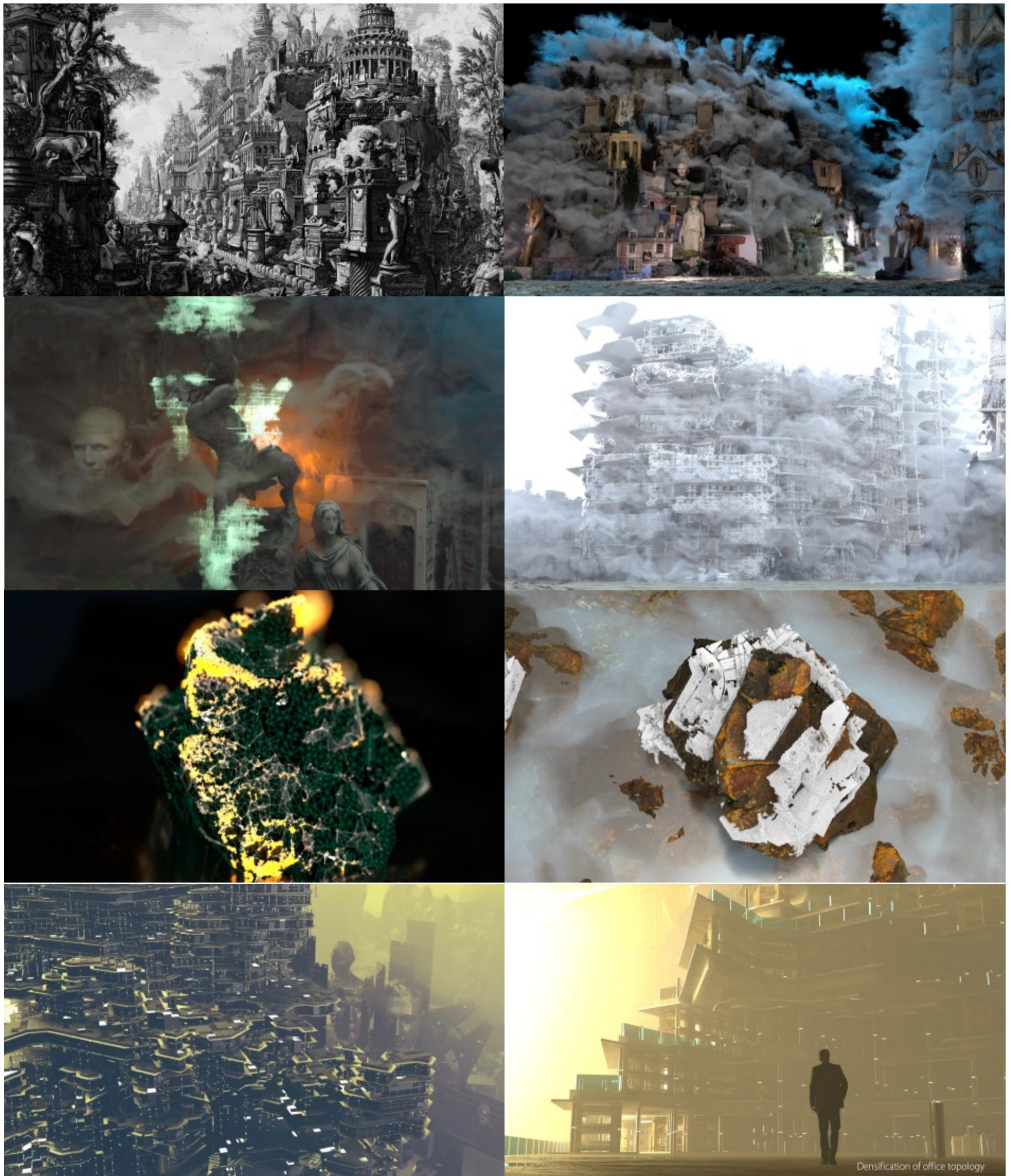
During the internship at UNStudio I've worked among the others on the Bangalore's Karle Town Center Masterplan. Collaboration on this scheme was closely tied with in-house research by UNSense. My role involved preparation of solar studies for optimization of the facade against solar gains. Model prepared with Rhino/Grasshopper.



Samples of my hand drawings prepared for the entry architecture exams

## Hand Drawing High School

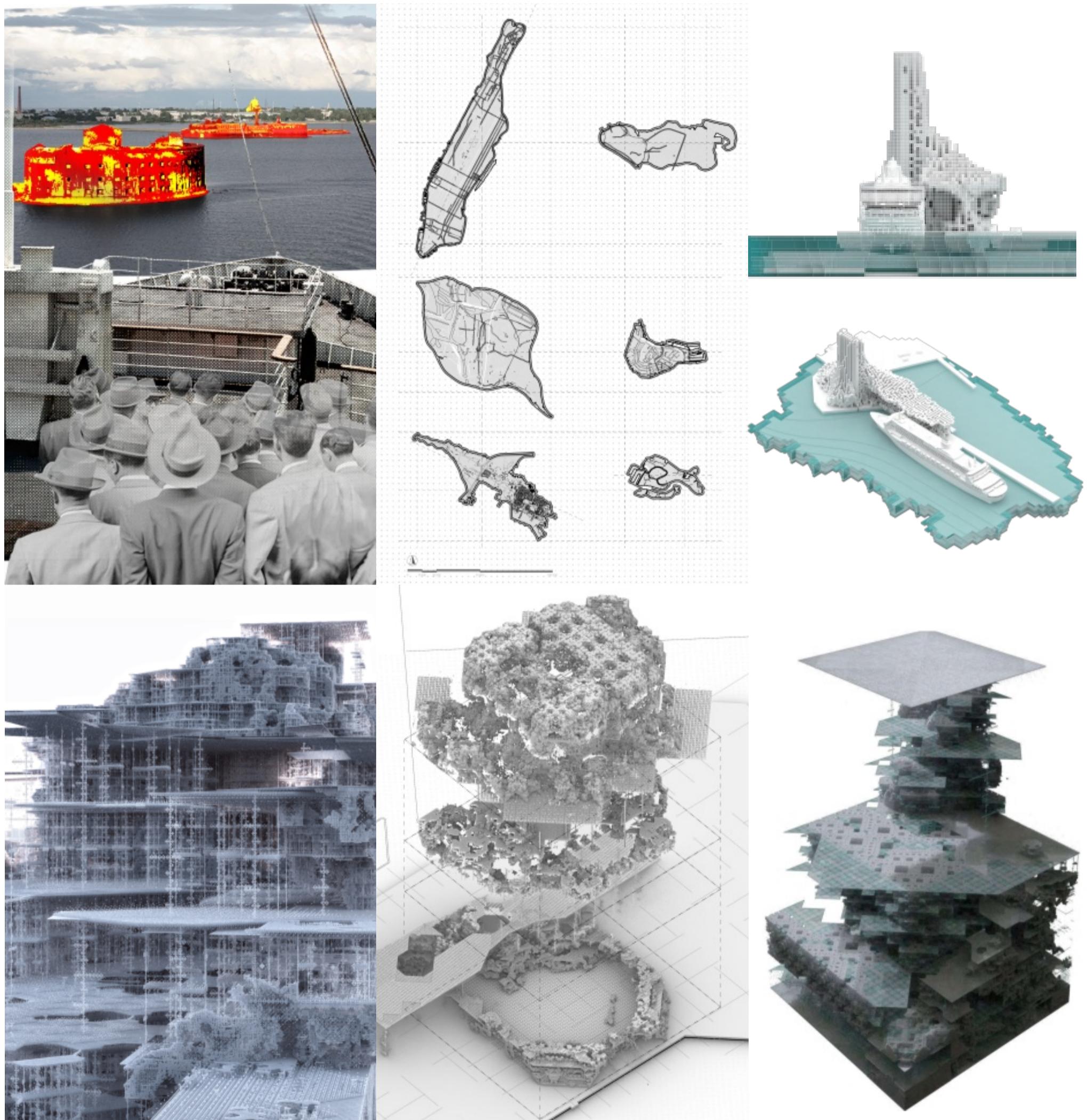
My journey into architecture began with passion for on-site and formal hand drawing. Experiencing architecture through periods of observation and craftsmanship embeds a wholistic approach to design.



Samples of my designs prepared for the final design project at the Bartlett

## Academic M.Arch Bartlett

Precedent for a Machine Learning-Aided architecture that merges reality with architectural fantasy.



Samples of my designs prepared for the Fourth Year design project at the Bartlett

## Academic M.Arch Bartlett 4th Year

Precedent for a Machine Learning-Aided architecture that merges reality with architectural fantasy.