

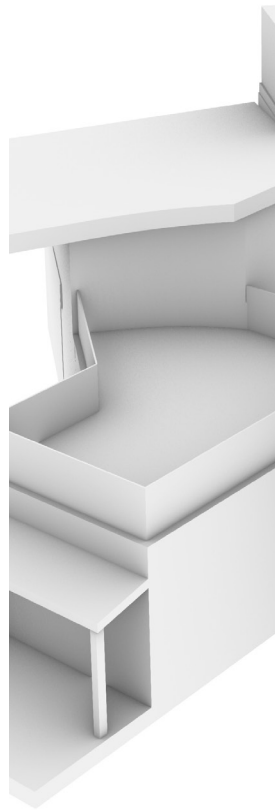
Portfolio

Rafia Amin

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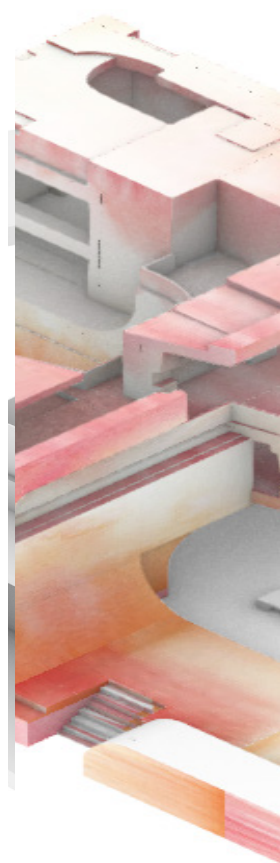
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Residential House
ARCH 2312 Design-3
Hart Marlow & Joseph Vidich
Spring 2019



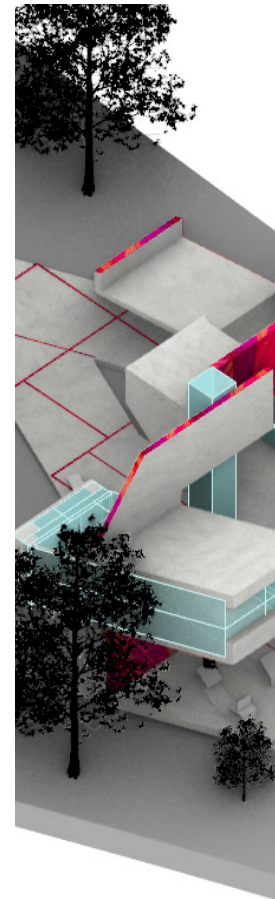
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Community Center
ARCH 2312 Design-3
Hart Marlow & Joseph Vidich
Spring 2019



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ARCH 2412 Design 4
Elizabeth Parks & Agustin Maldonado
Fall 2019



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ARCH 2412 Design 4
Elizabeth Parks & Agustin Maldonado
Fall 2019



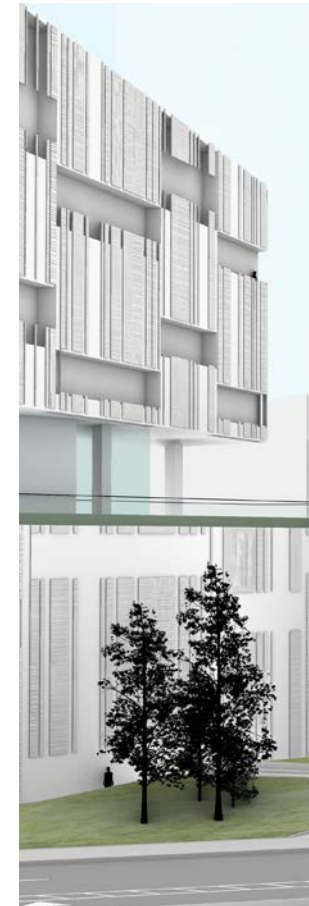
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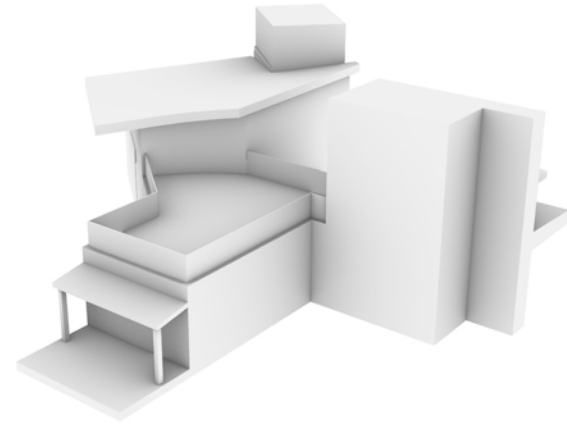
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ARCH 2431 B.Tech-3
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Summer 2019



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Commercial Building
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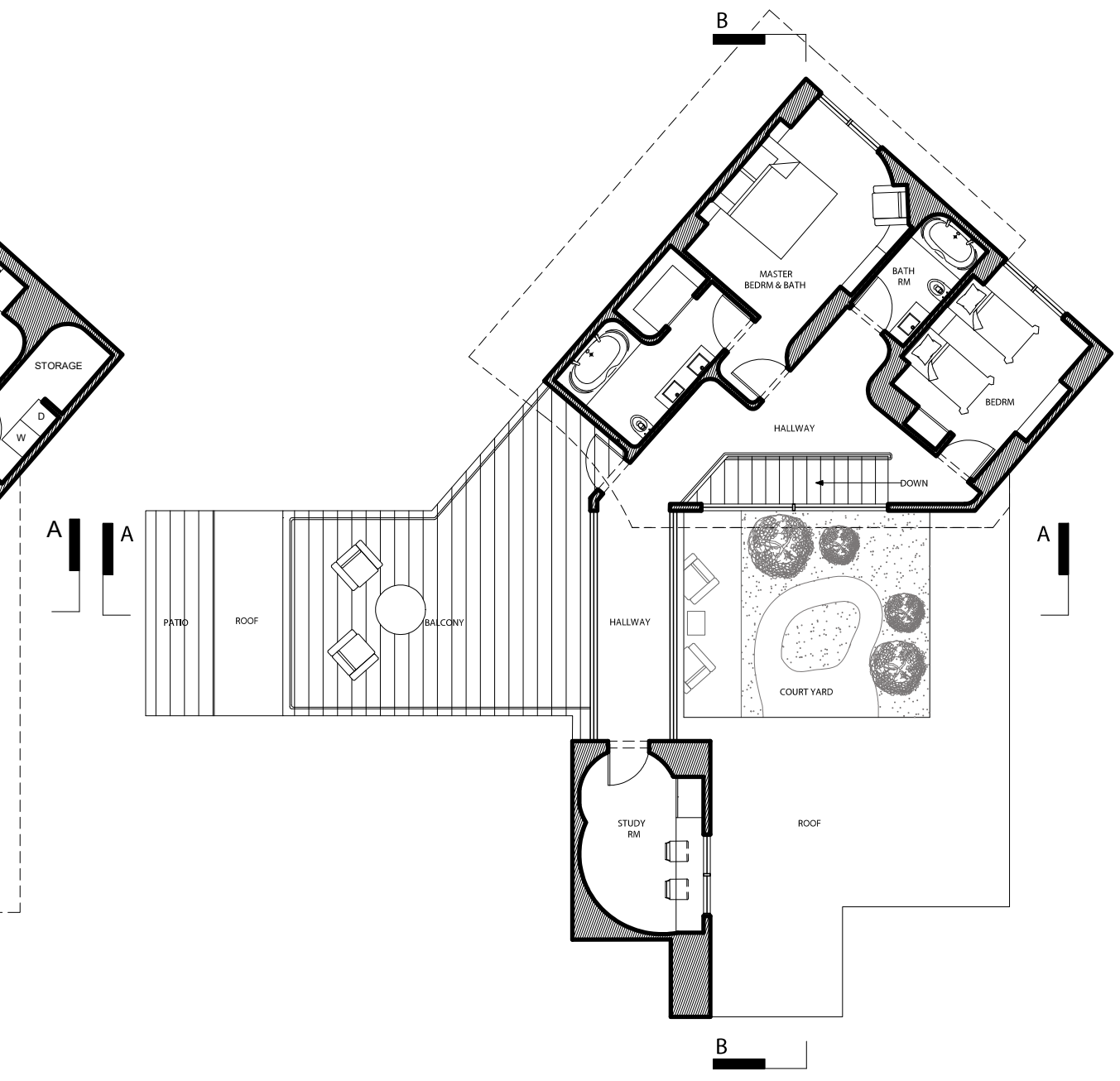
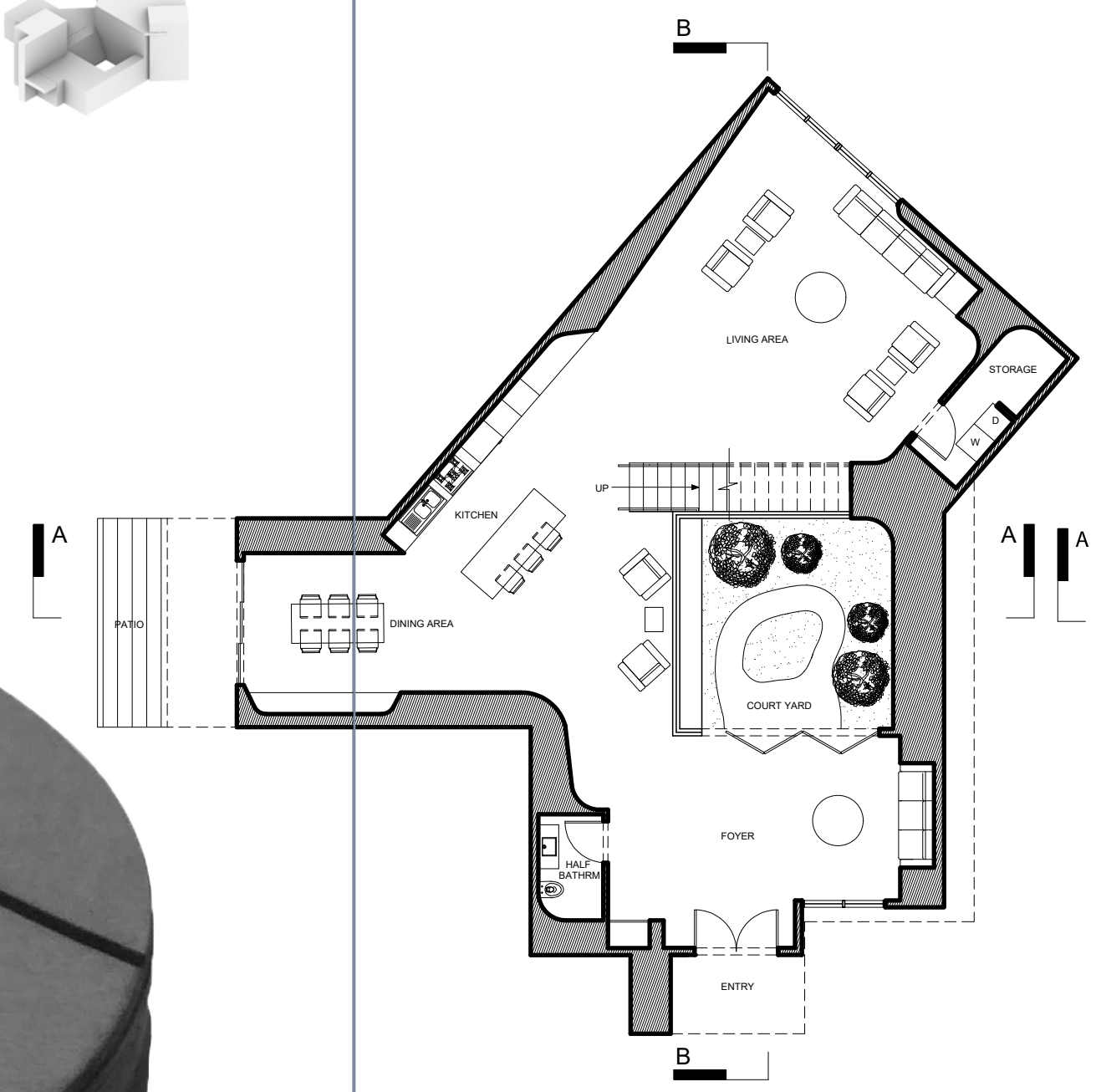
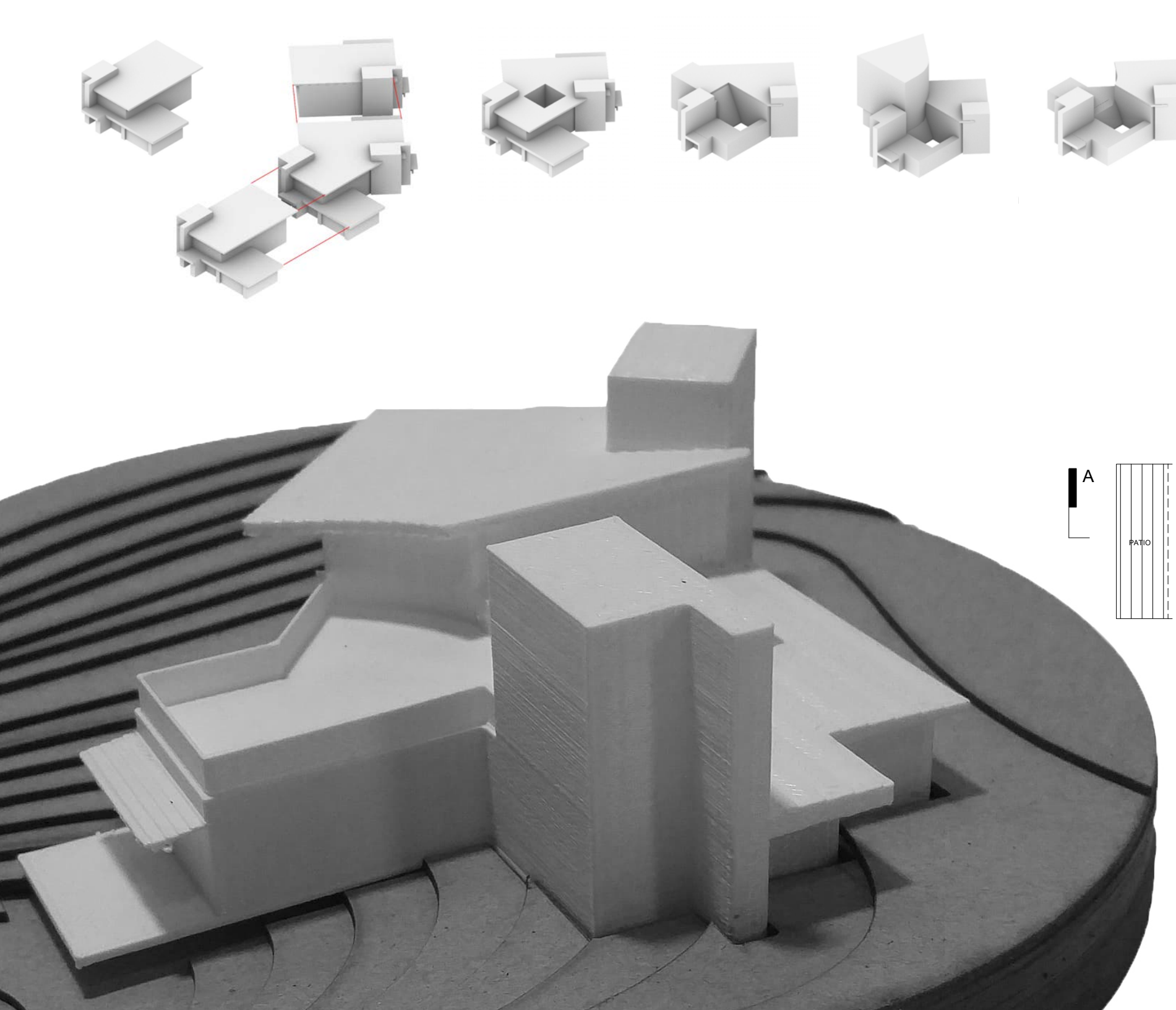


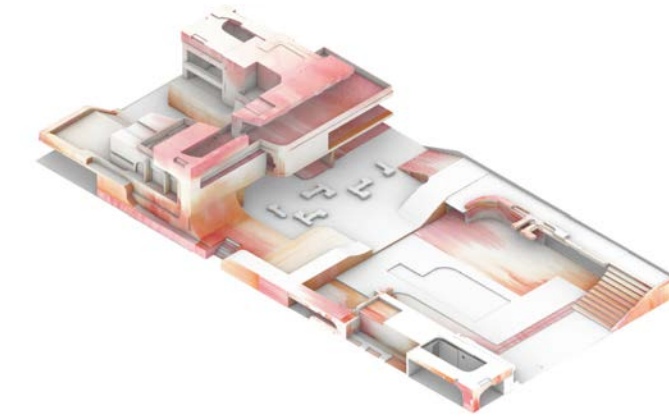
RESIDENTIAL HOUSE

DESCRIPTION:

This two story house project is located in Van de Bogart road, Woodstock, New York. This project required a precedent study and house topology research and begin to apply it to the development of a design concept by implementing a topology study, that applies to residential house. Eventually to analyze design research and output proposals for a new house typology.



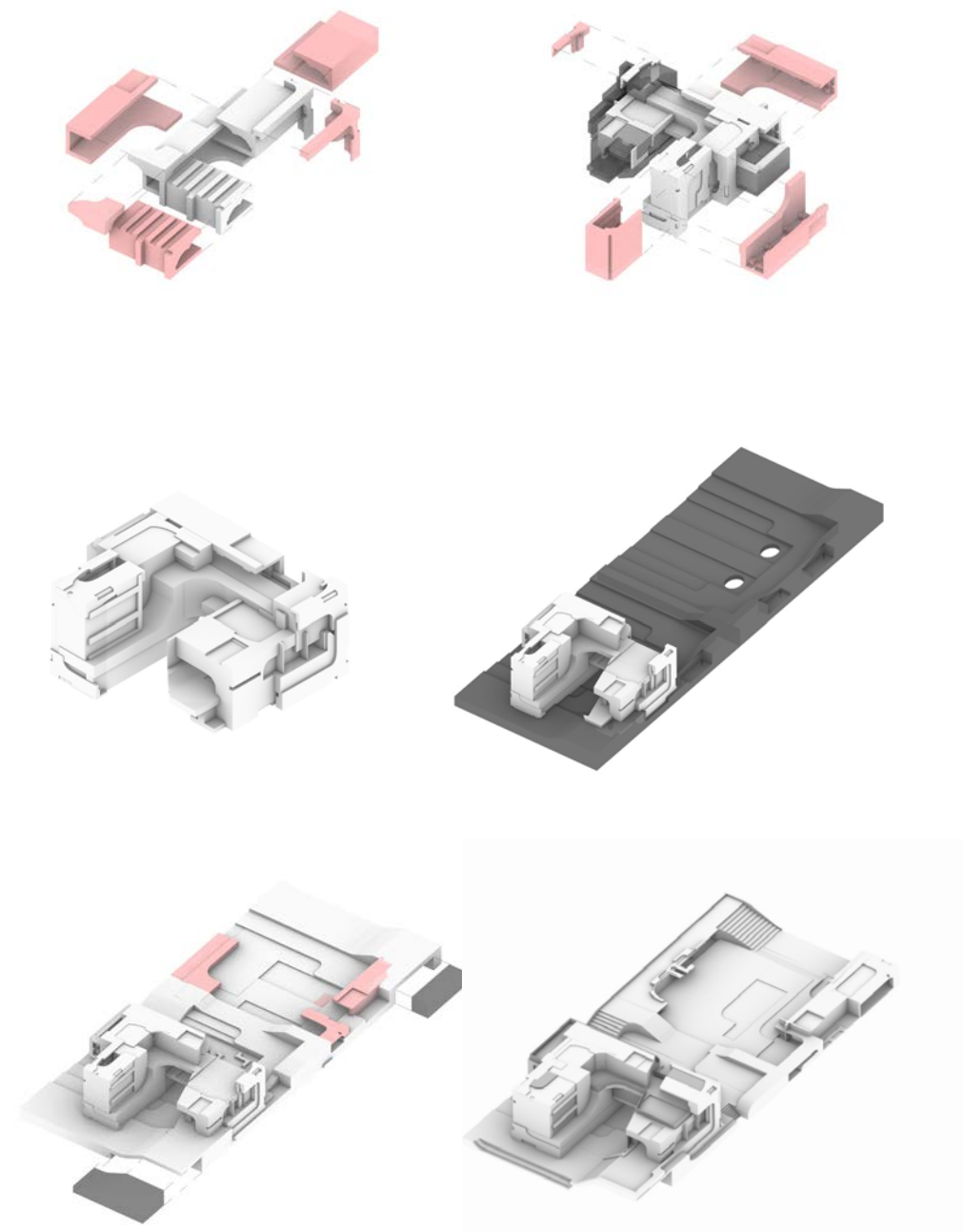




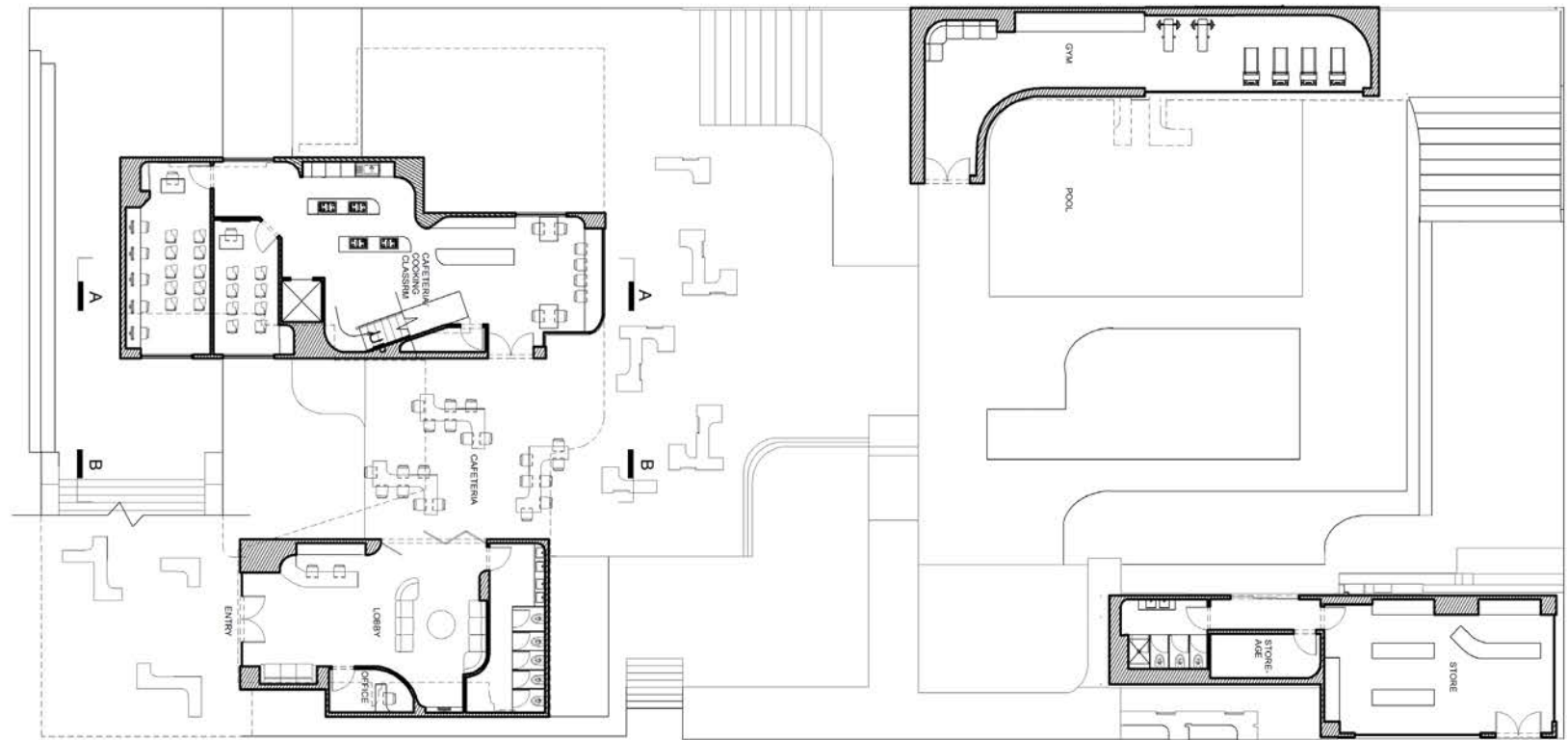
COMMUNITY CENTER

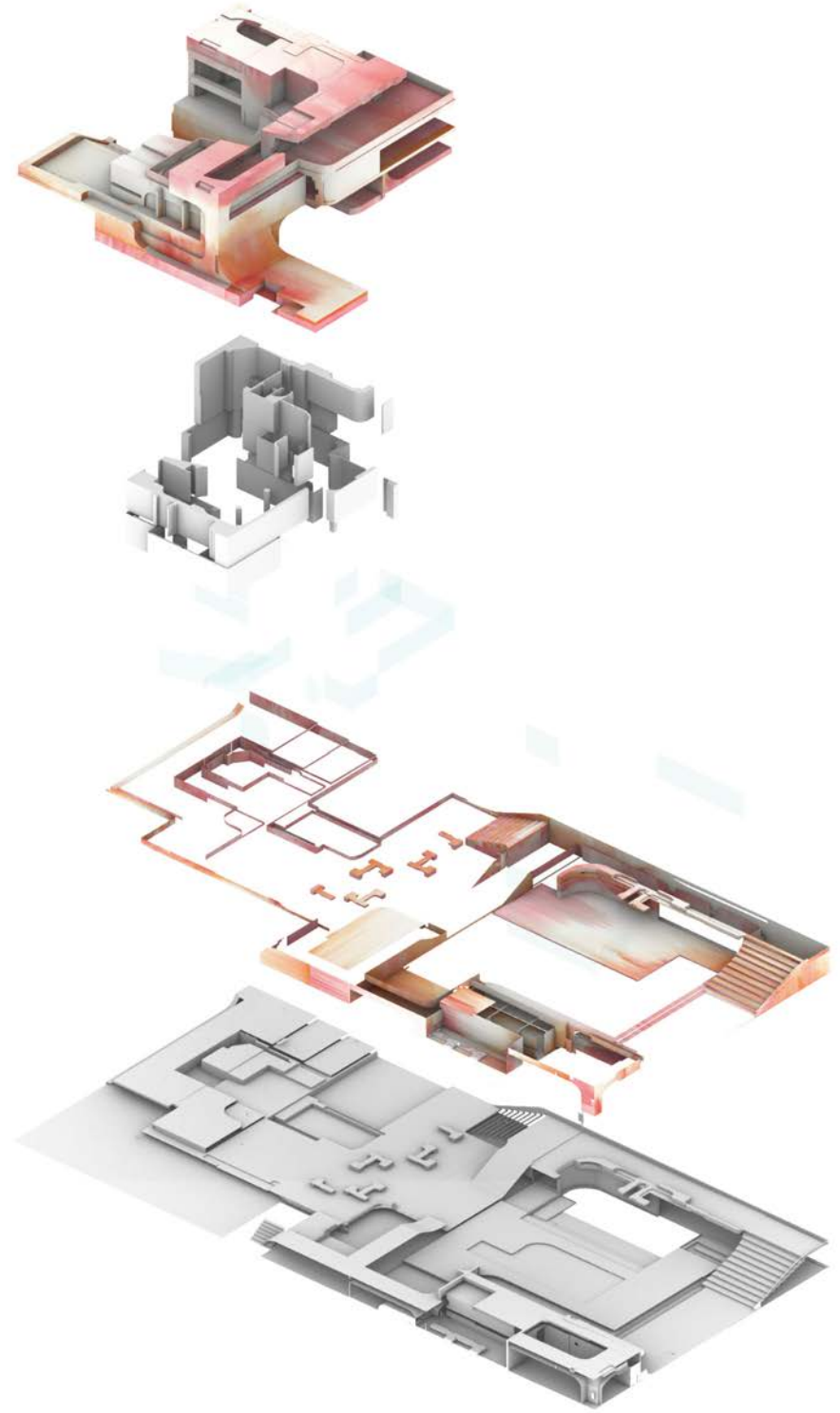
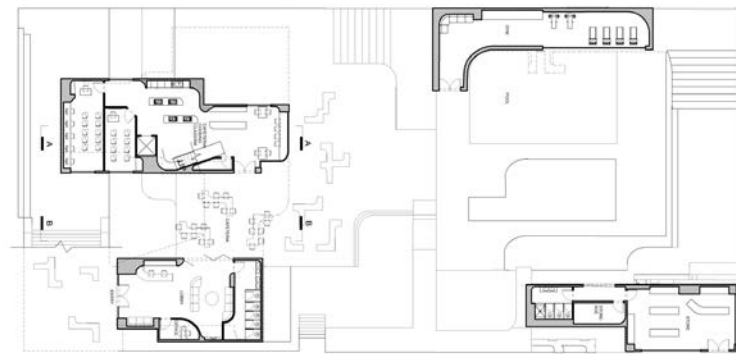
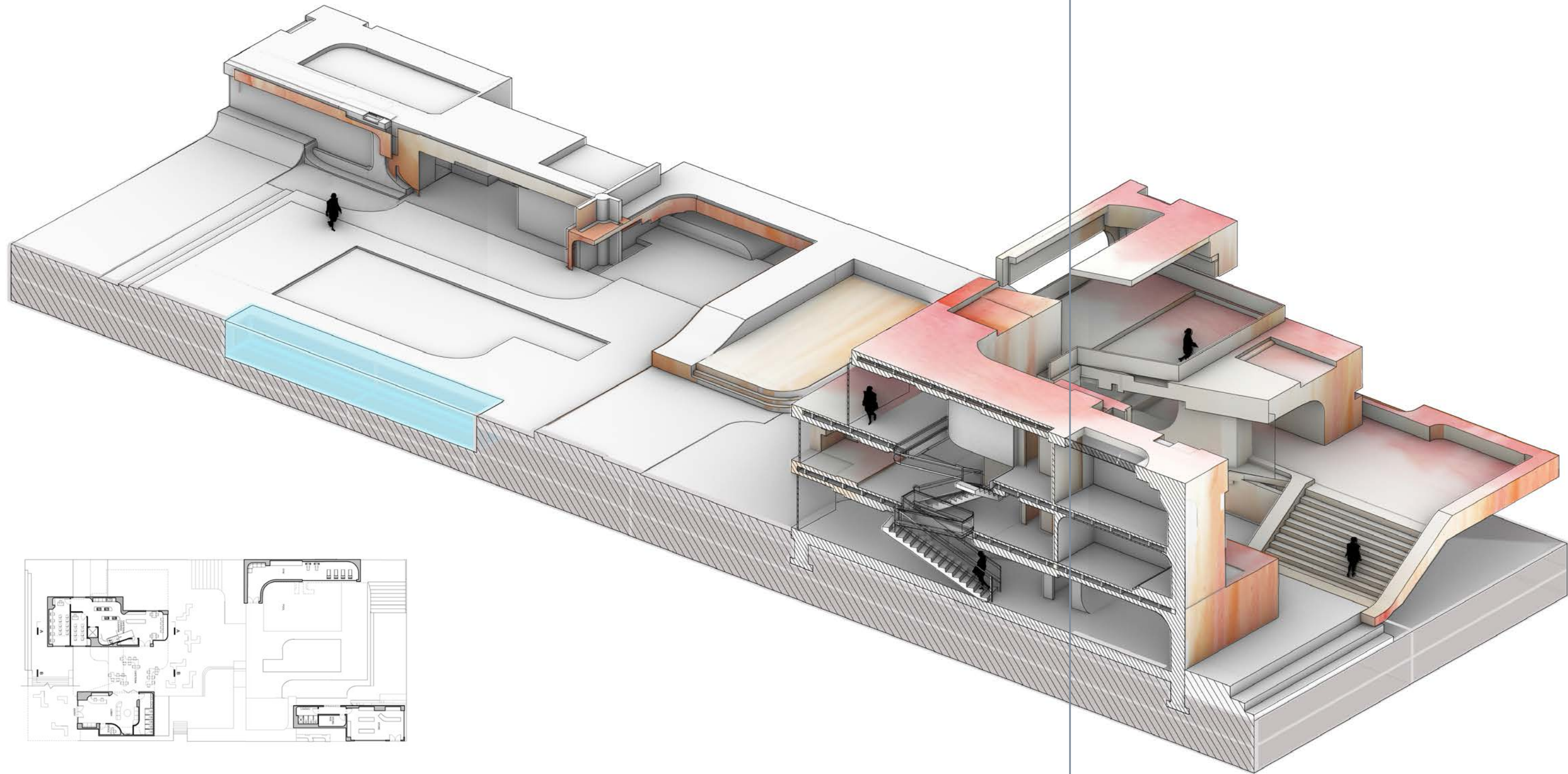
DESCRIPTION:

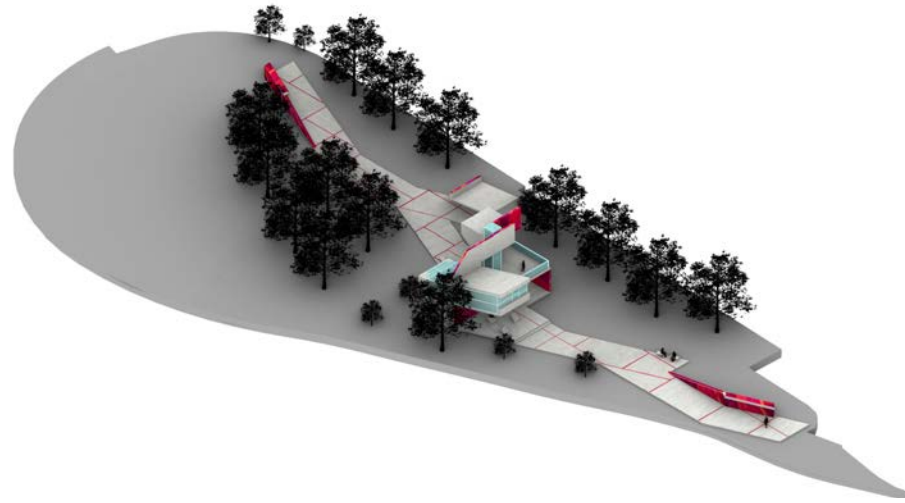
The community center project is to gain deeper insight into the entire design process through the design of a small public building. By doing research and analysis to formulate concepts that will be incorporated into the design and to develop a design concept and use the concept to guide the design process. This project required an iterative process to develop the designs and to incorporate the site, context, program, and basic structural principles into the project.



Dwight St. between Wolcott St and Dikeman St., Brooklyn, NY 11231, 7 Wolcott St, and 18, 20 and 26 Dikeman St.



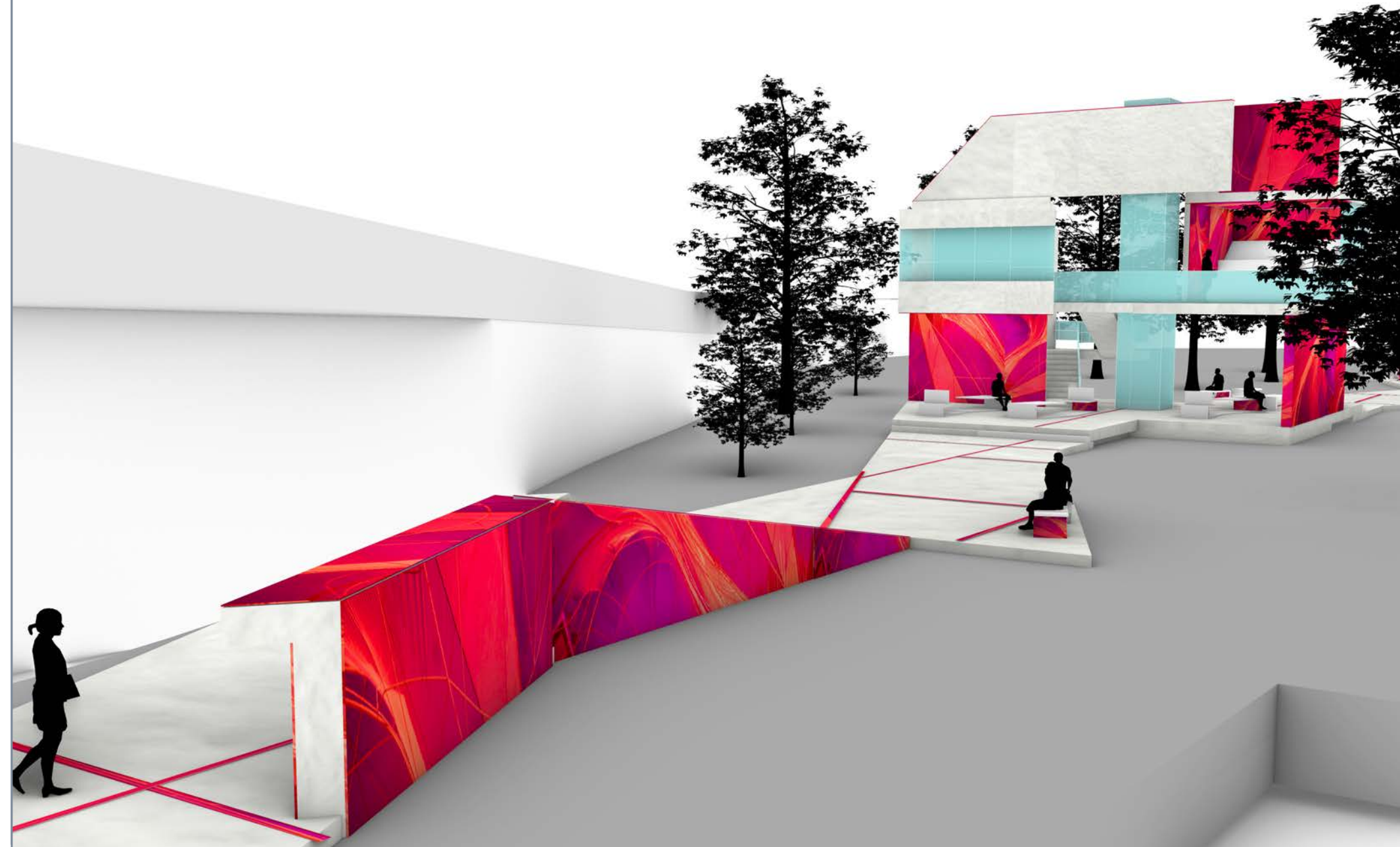


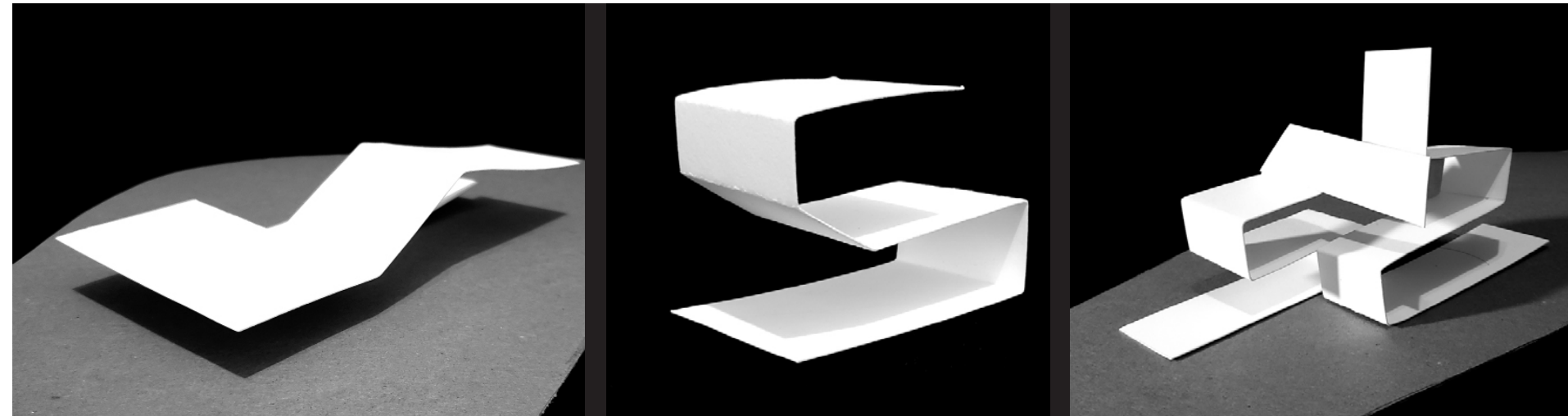
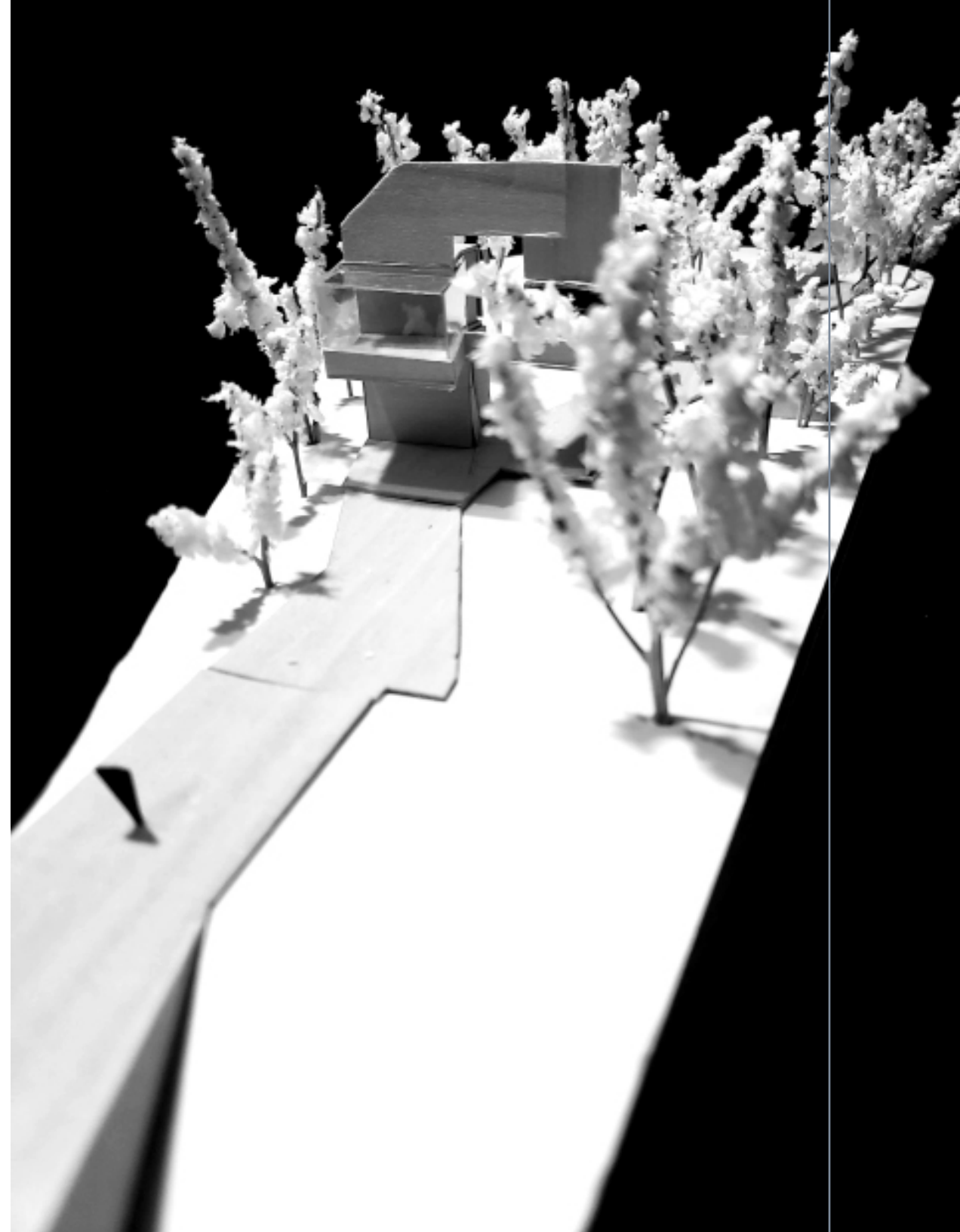
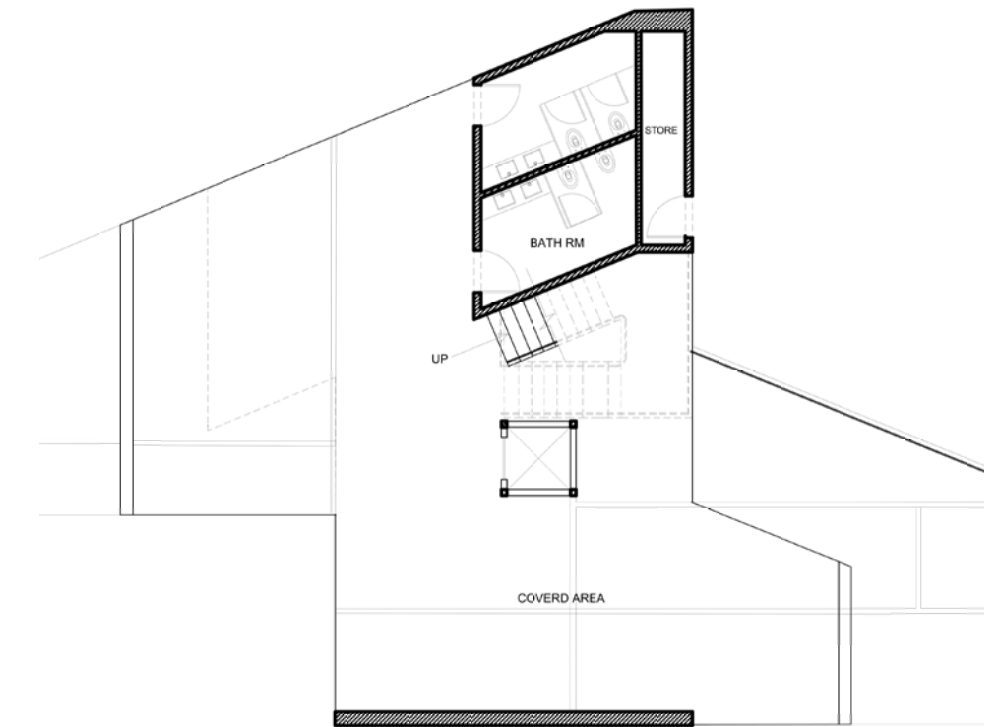


MANHATTAN BRIDGE PARK PAVILION

DESCRIPTION:

This project will address a major point of entry to Brooklyn and DUMBO, as well as the City Tech Campus. The site is located at the base of the Manhattan Bridge, approximately opposite the Voorhees Building on Jay Street and is visible from the Manhattan Bridge, the highway exit ramp, sidewalks on Jay Street. There is a need for better way-finding and identification of key destinations in the area, such as Brooklyn Bridge Park, DUMBO, subway and ferry terminals, Borough Hall and the Fulton Mall, which the project will address.



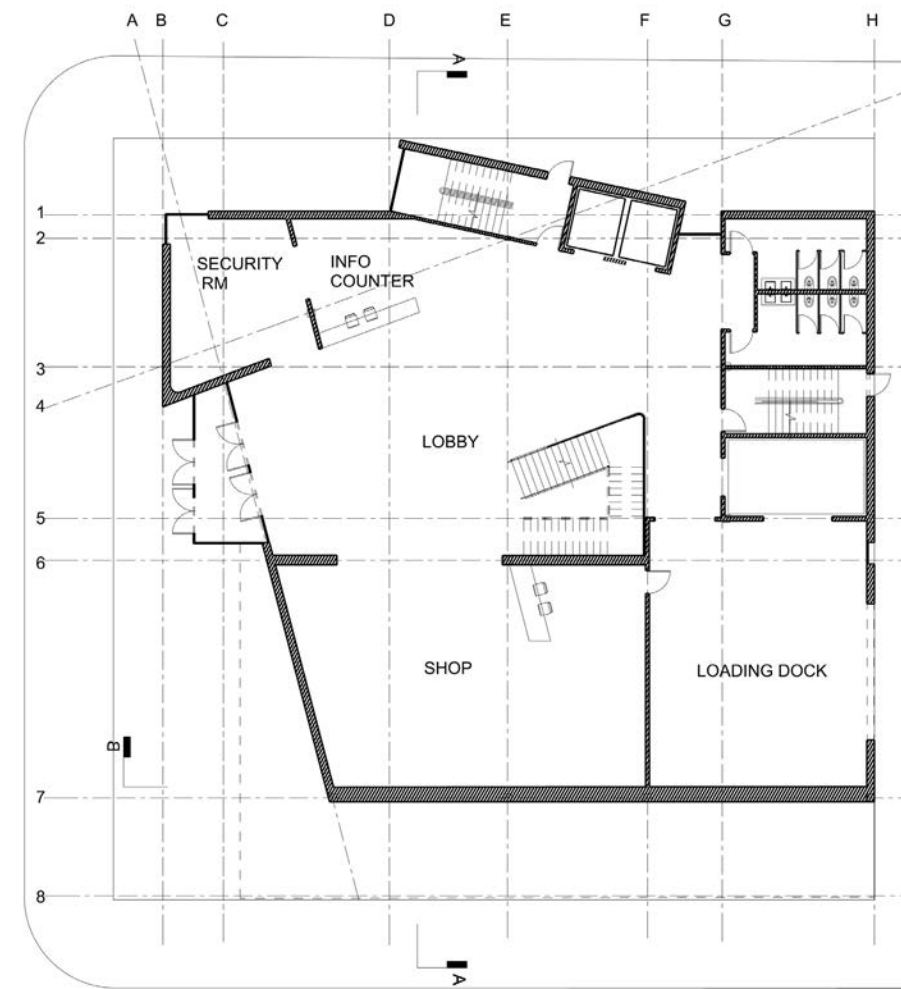




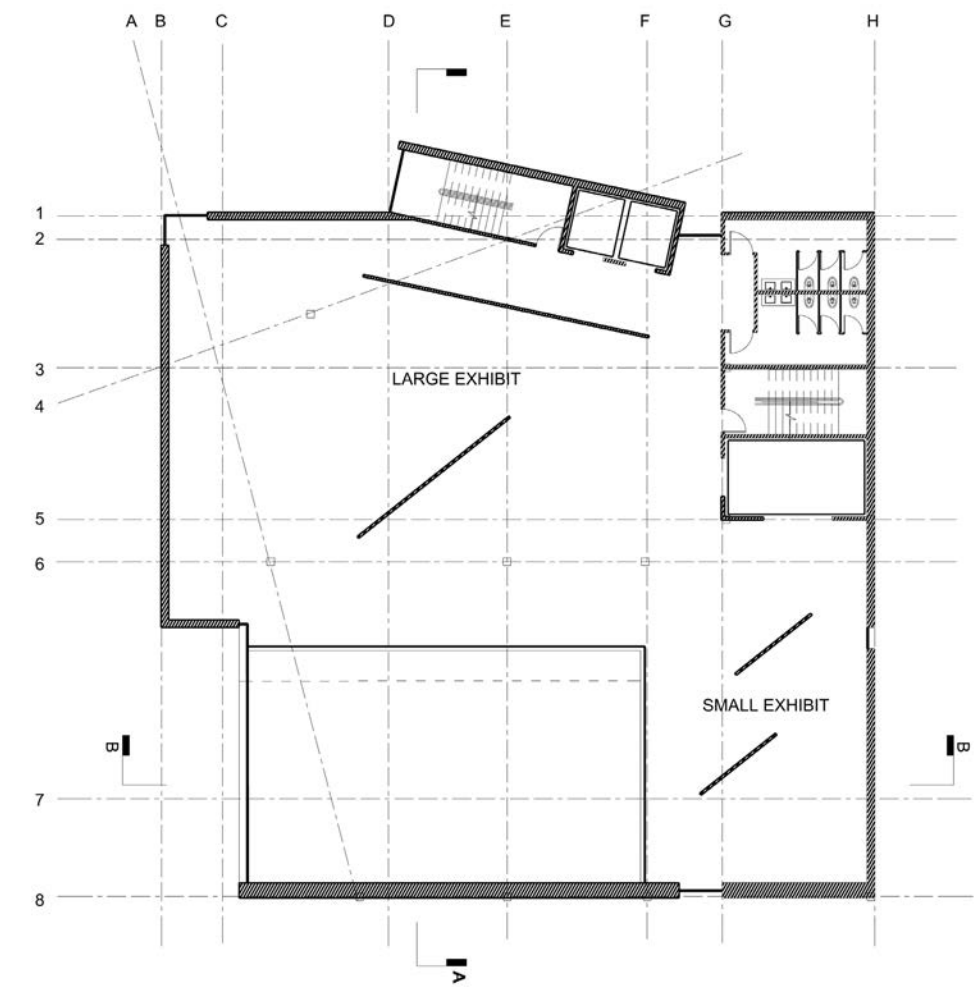
NEW BROOKLYN MUSEUM

DESCRIPTION:

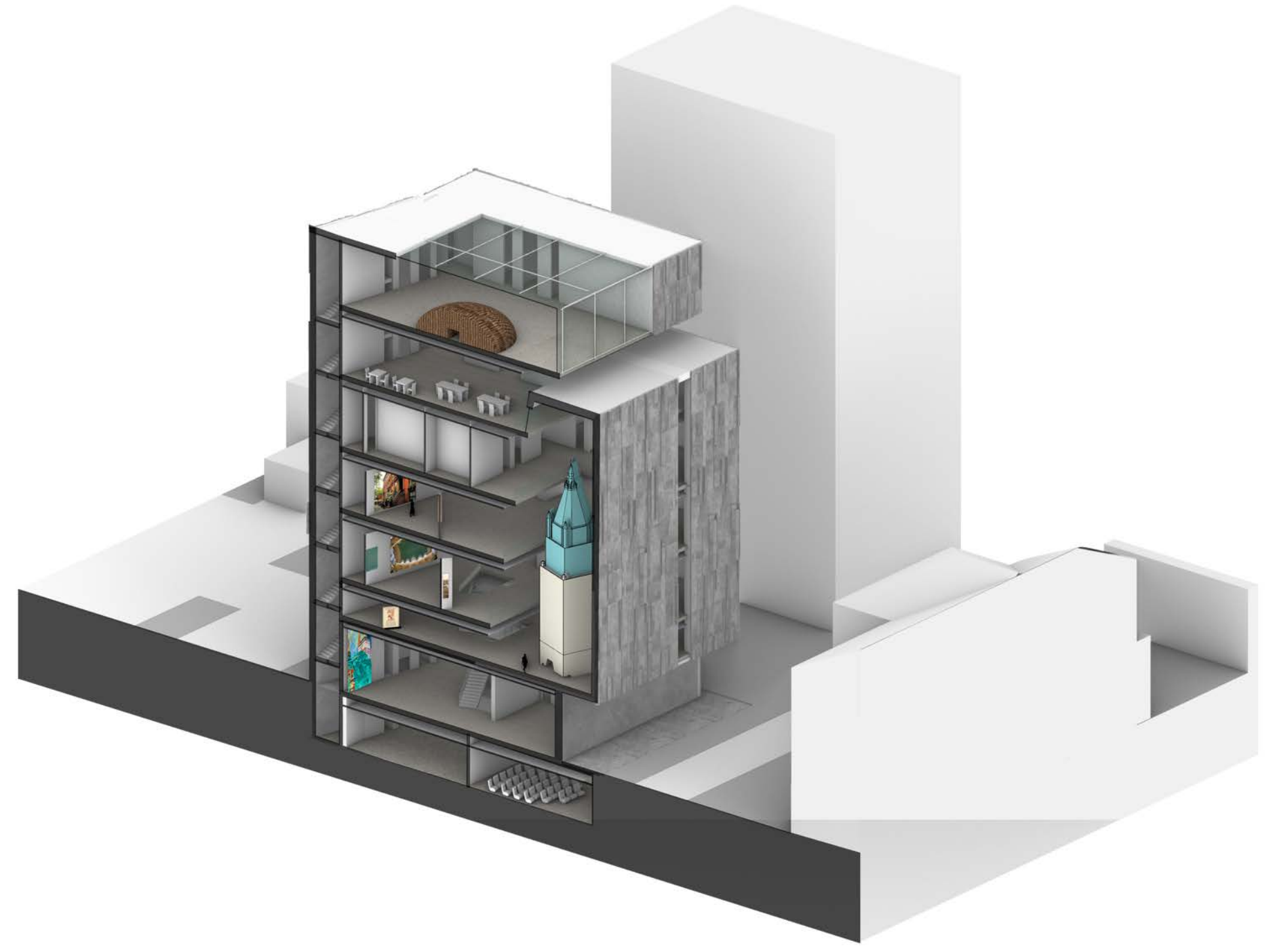
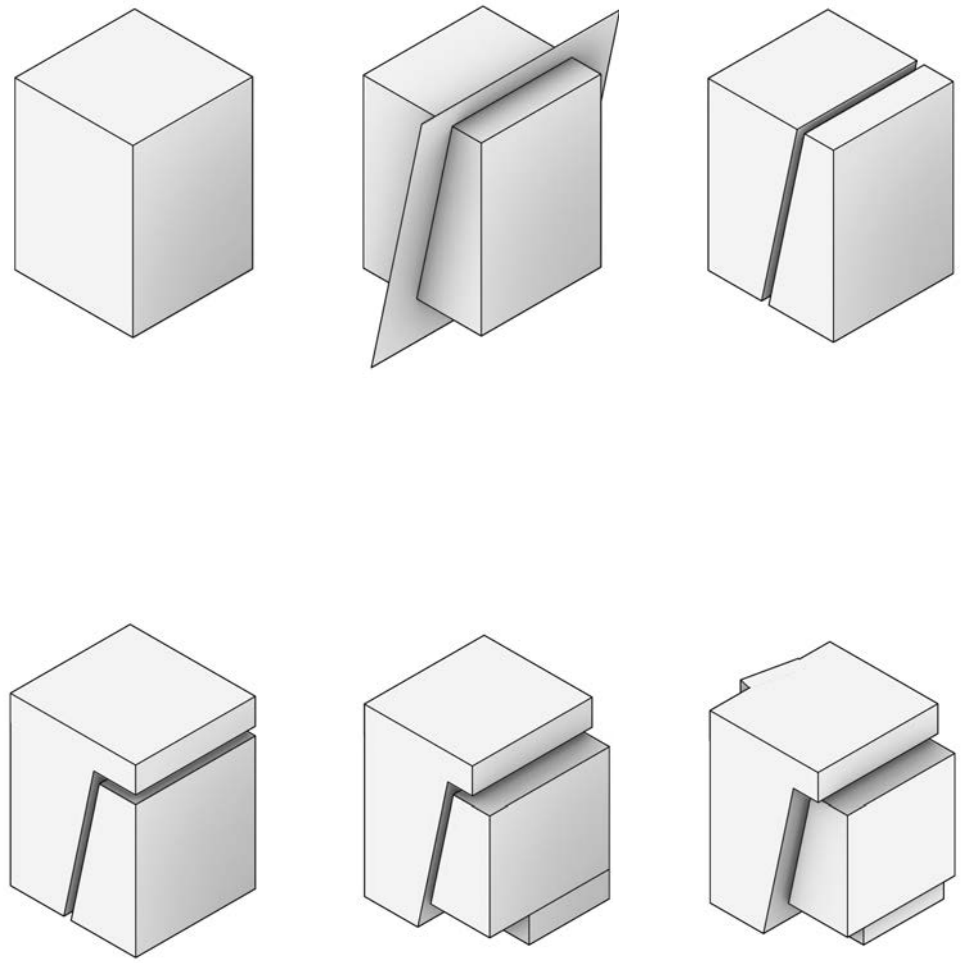
The museum will contain exhibits that relate to the rich history of New York City architecture, including Brooklyn and the local neighborhoods and it will exhibit buildings from the 1600's to the modern era, in chronological order. For example the first floor will be about modern architecture, and other exhibition areas will be dedicated to Art deco Architecture, Gilded Age Architecture, Revival Style, Dutch + English Architecture. Lastly, the discovery of the New World will be exhibited in the outdoor exhibition that will include the indigenous structures created by native americans.

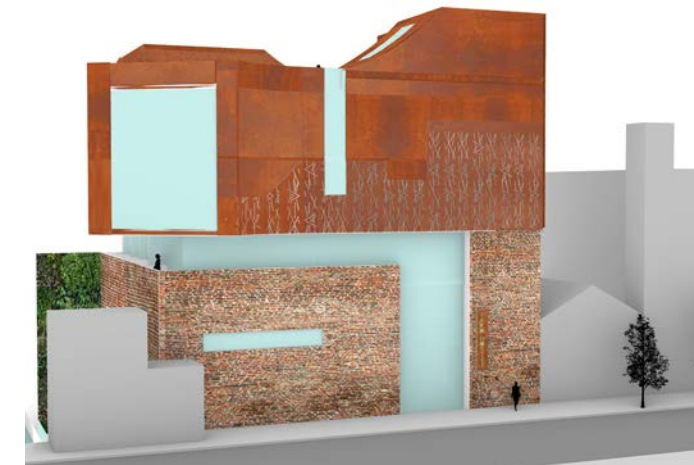
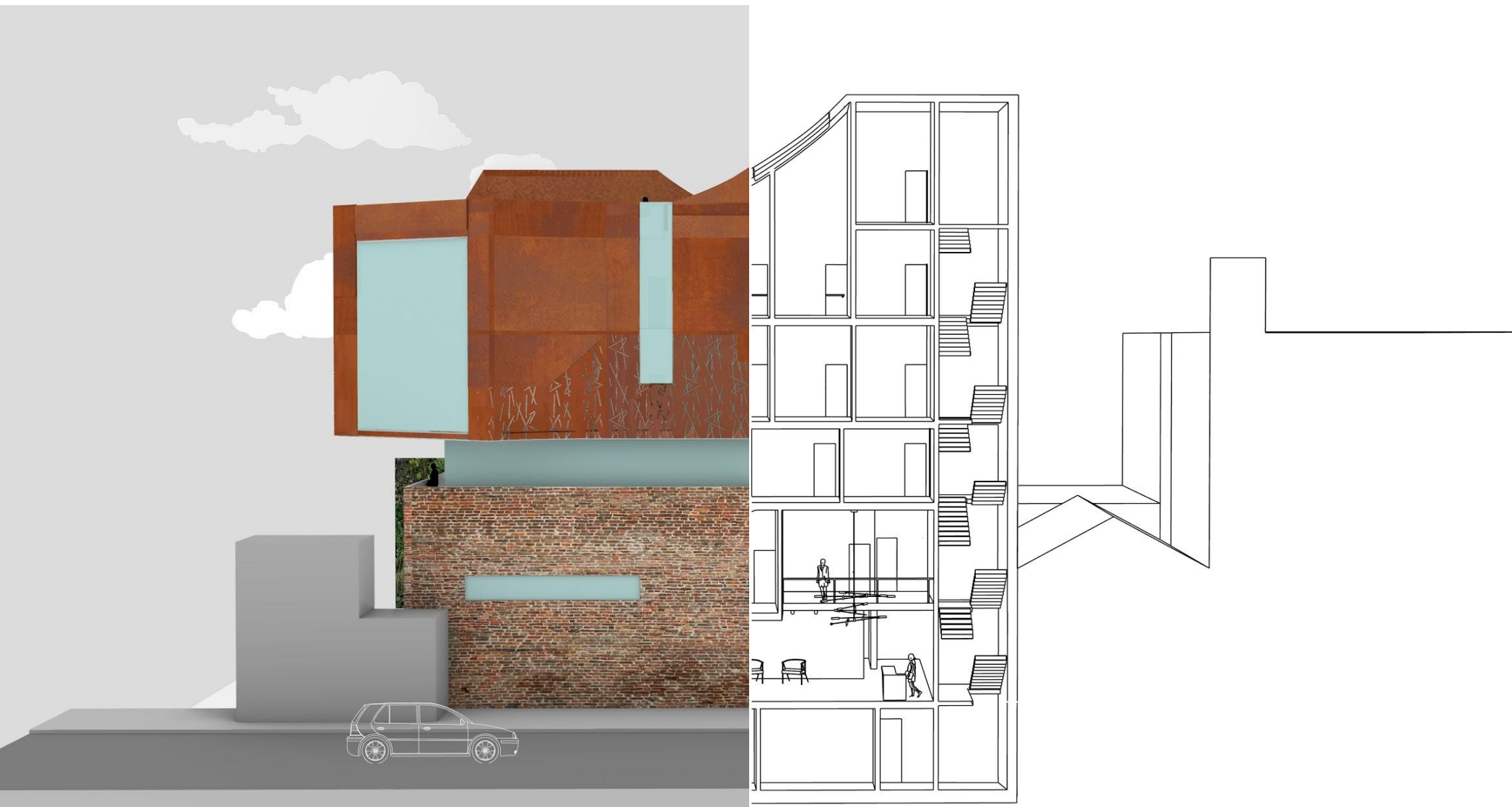


1ST FLOOR



4TH FLOOR

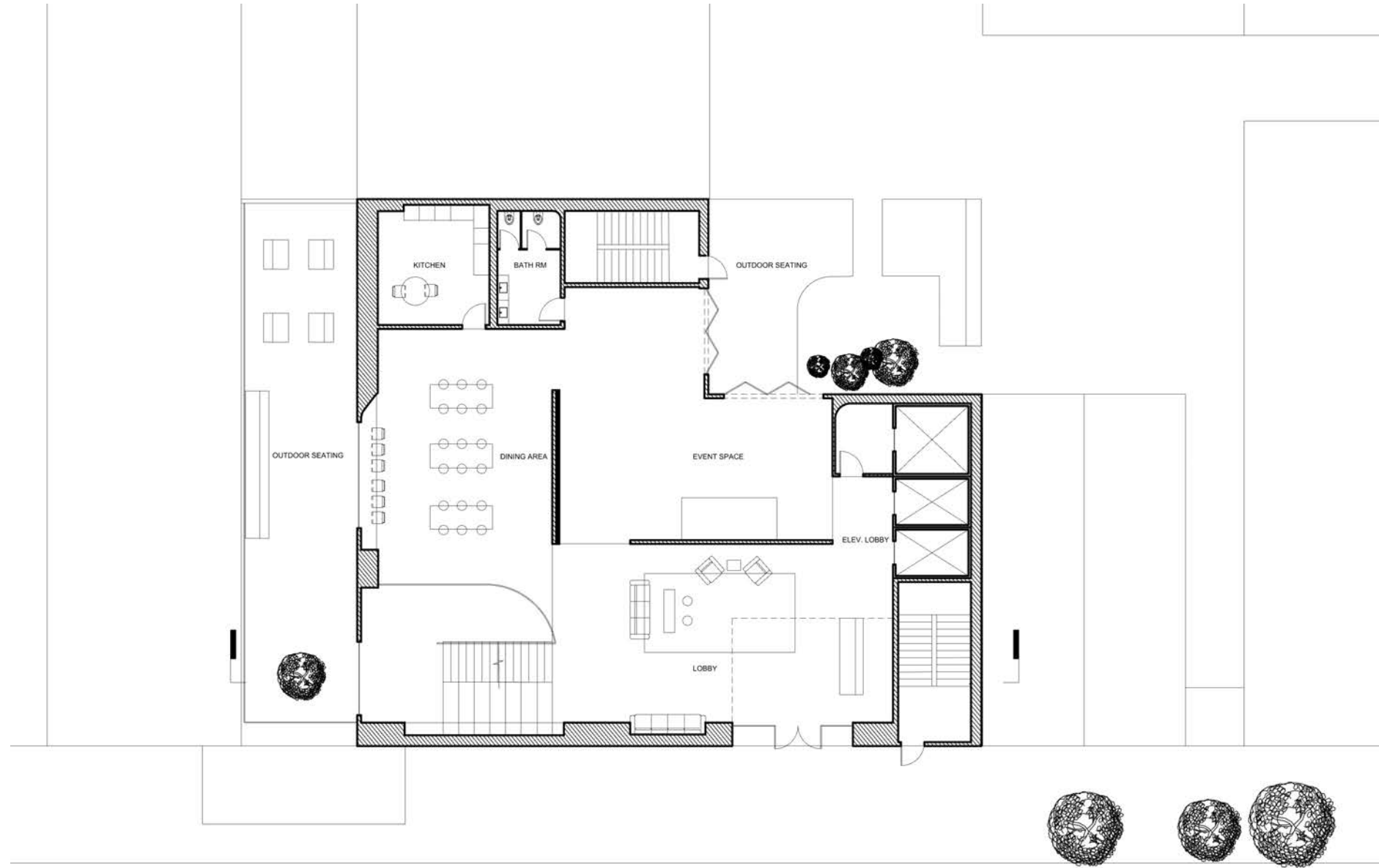


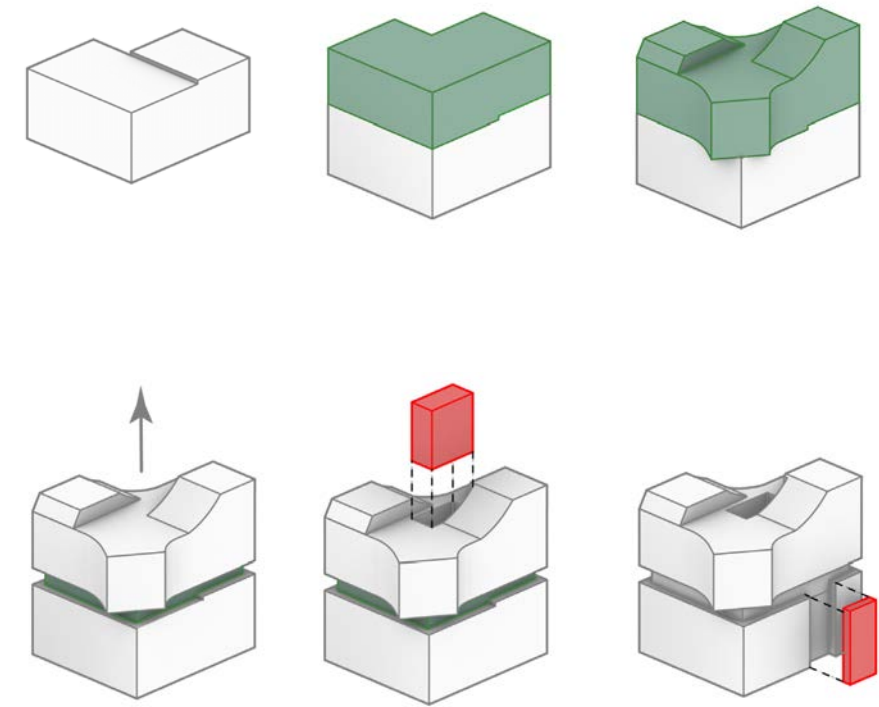


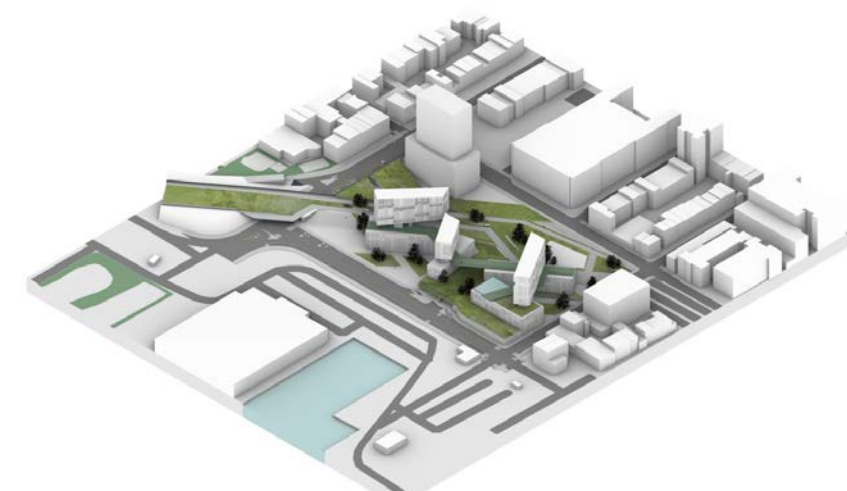
YARD HOSTEL

DESCRIPTION:

The site is located at 525 Union St. in the Gowanus region of Brooklyn. The new hot spot in Brooklyn. This is an adaptive reuse project, it used to be a factory of some sort which sites by the Gowanus Canal. This project is to redesign into a hostel suited for travels near and far.



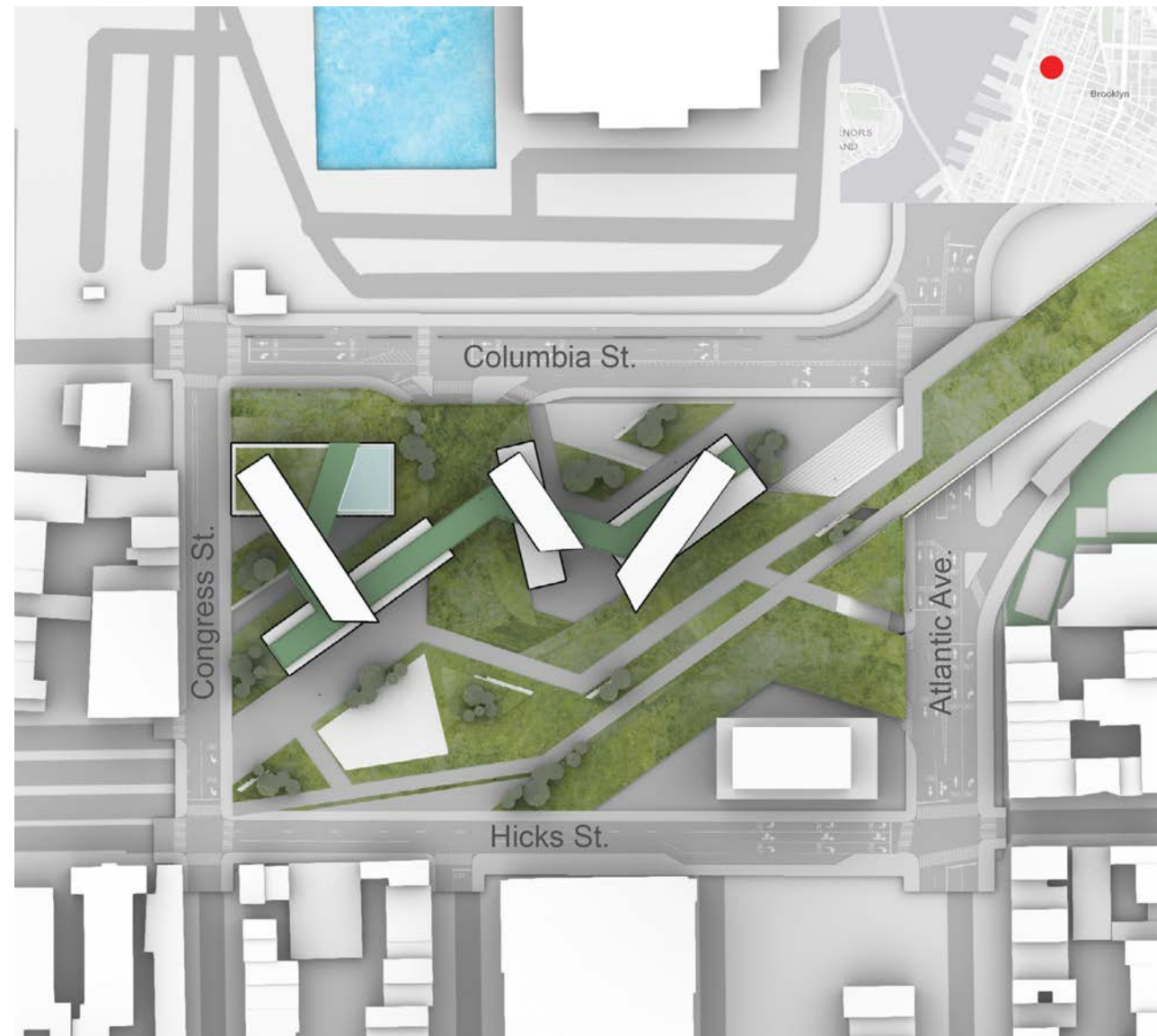
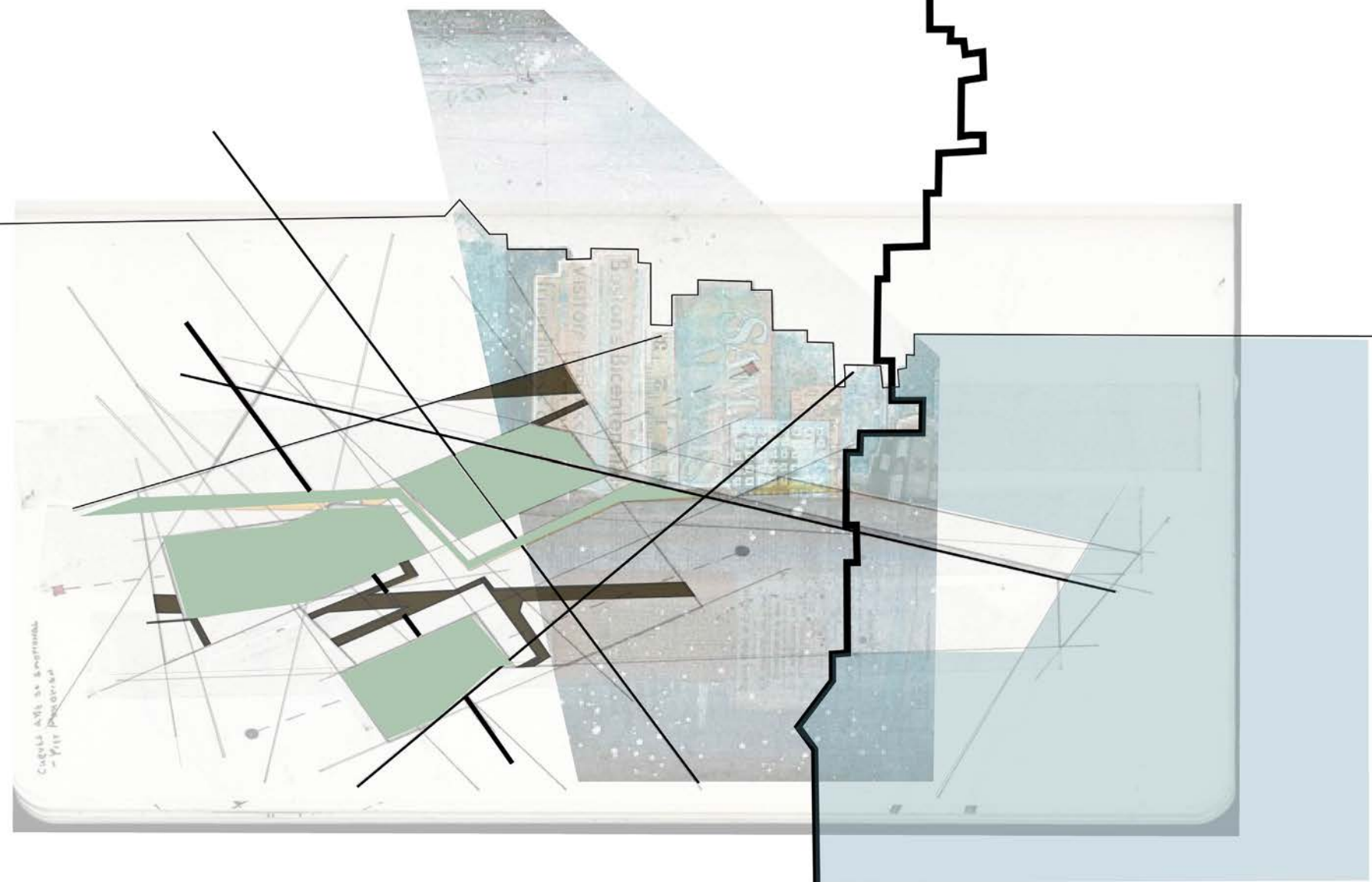


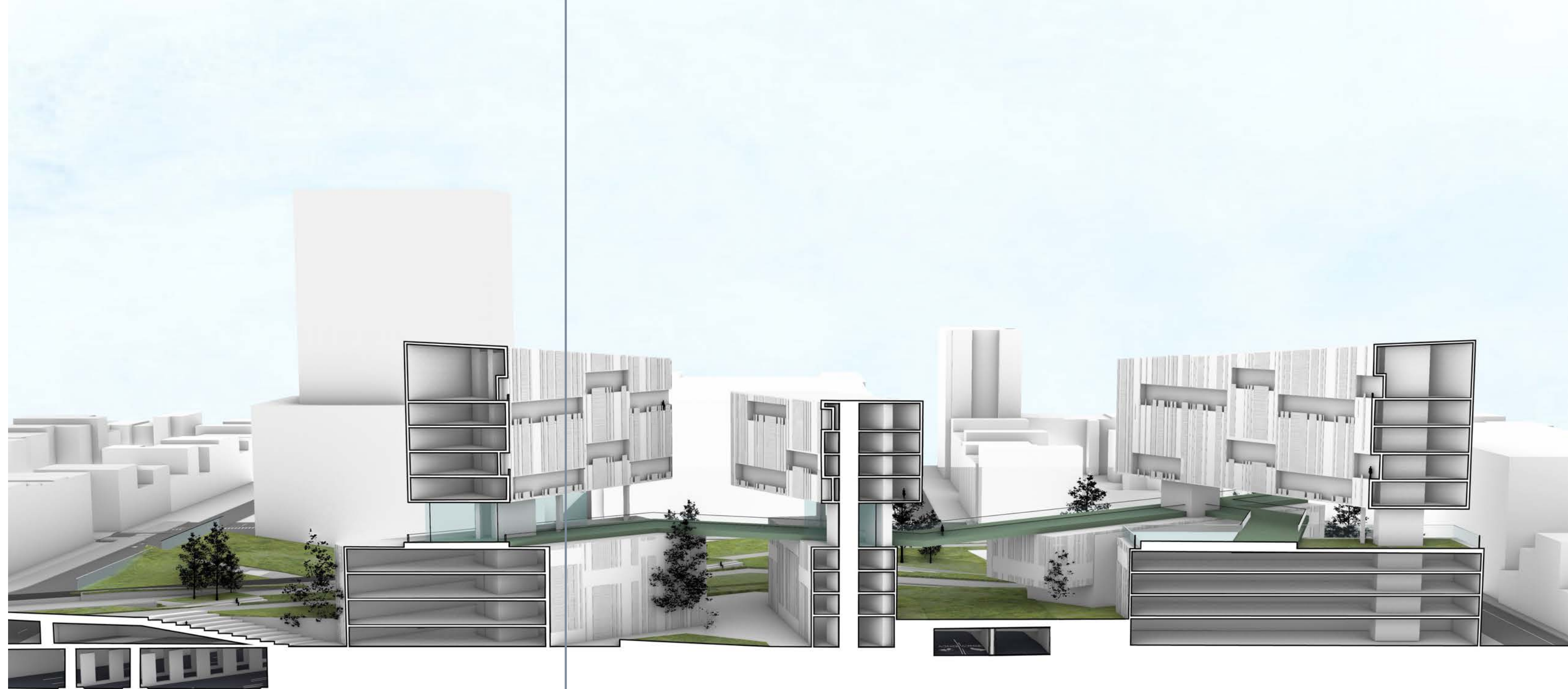
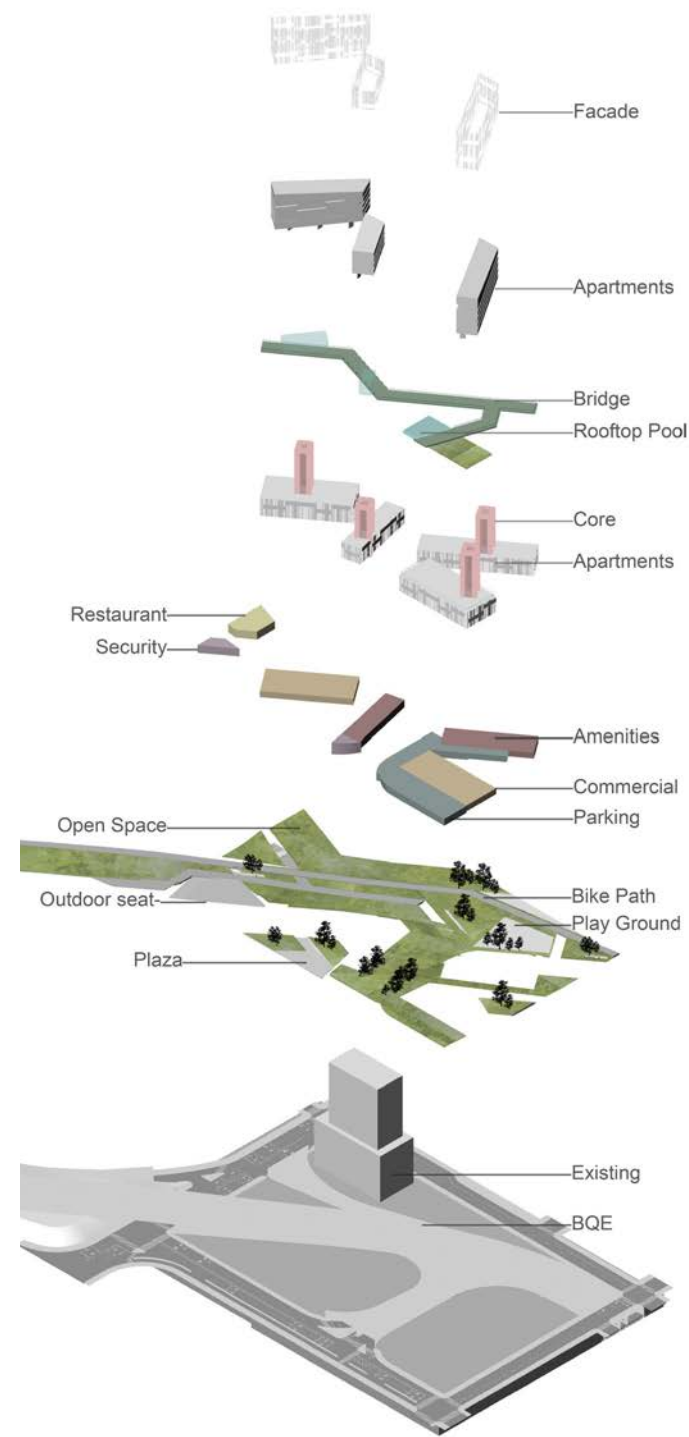


BROOKLYN HOUSING

DESCRIPTION:

The site is located at the Brooklyn waterfront area at the southern end of Brooklyn Bridge Park. It is located at the intersection of Atlantic Avenue and the Brooklyn Queens Expressway. This project adopts the (BIG) proposal for moving the BQE underground with the extension of a public park above. An affordable housing project with commercial and amenity spaces included. The final project consists of high-density mixed-use housing and public spaces. Concept design was derived from early collages and study models which instill an interpretation of mood produced from the site. The primary strategy takes advantage of the complexities of public and private circulation and the massing of the buildings, their orientation and placement of windows, are situated to take advantage of panoramic views of lower Manhattan, Governors Island and Brooklyn. Sitting atop the lower pedestals is private outdoor community-based space that interconnects the buildings, while at the ground plane the public park serves as a link to the waterfront and Brooklyn Bridge Park and continues above the BQE to the battery tunnel.



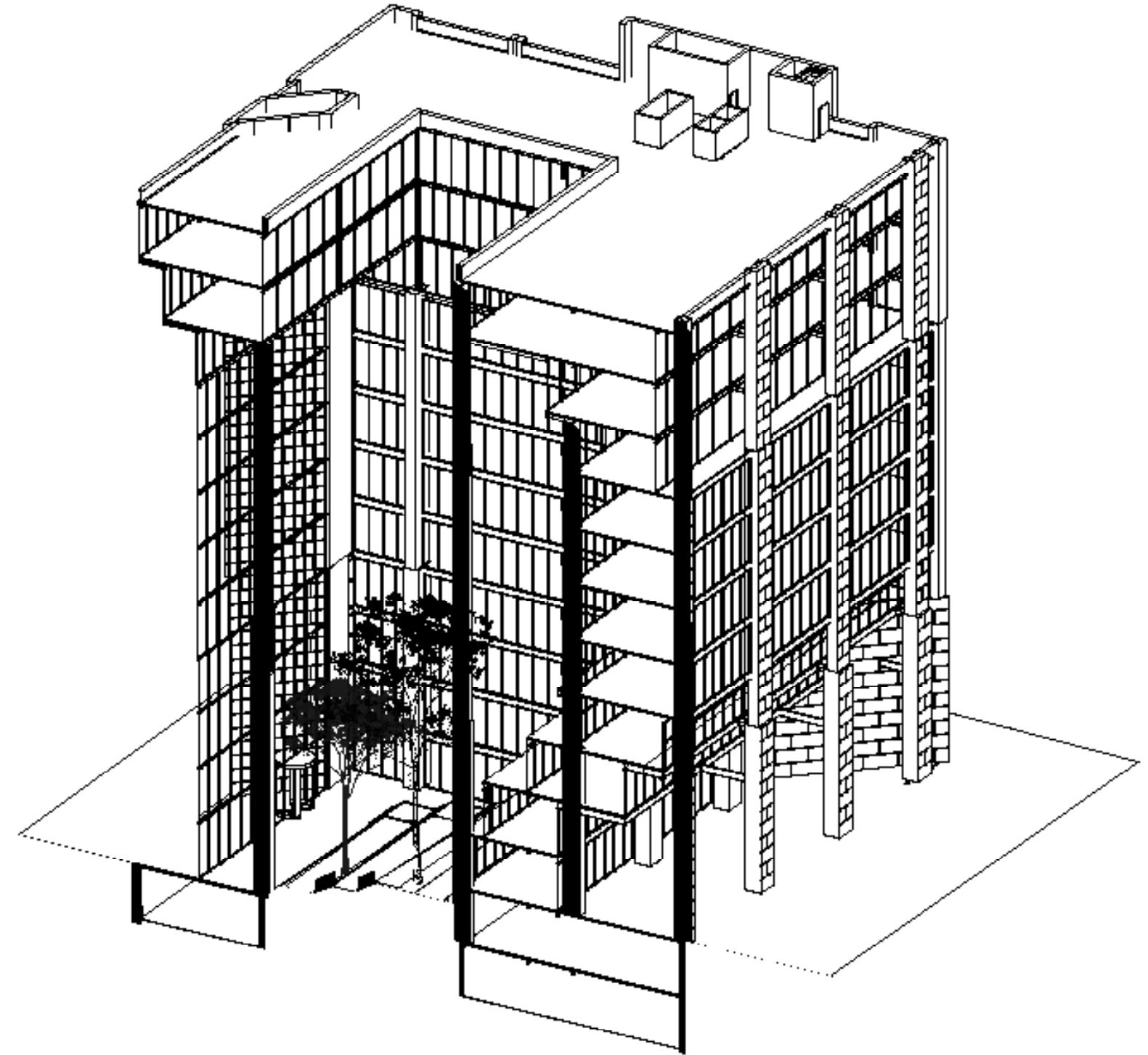


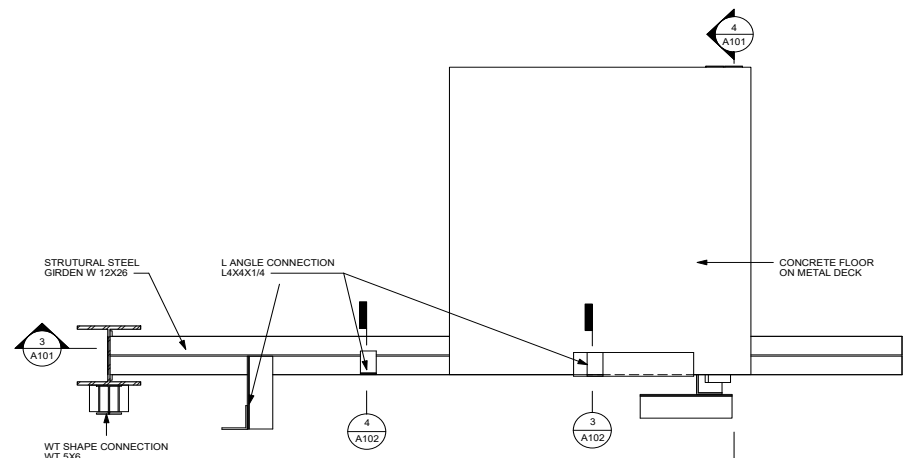


FORD FOUNDATION

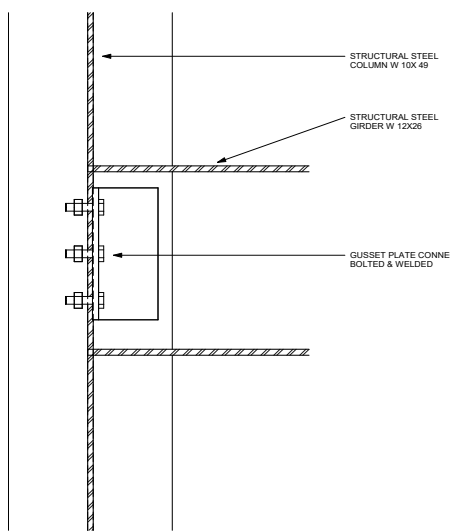
DESCRIPTION:

The project is focus on steel construction. This project studies the development of building systems as they occur during the design development phase of architecture. This project mainly a case study research methods, which focus on building assemblies and systems, codes and government regulations and sustainability.

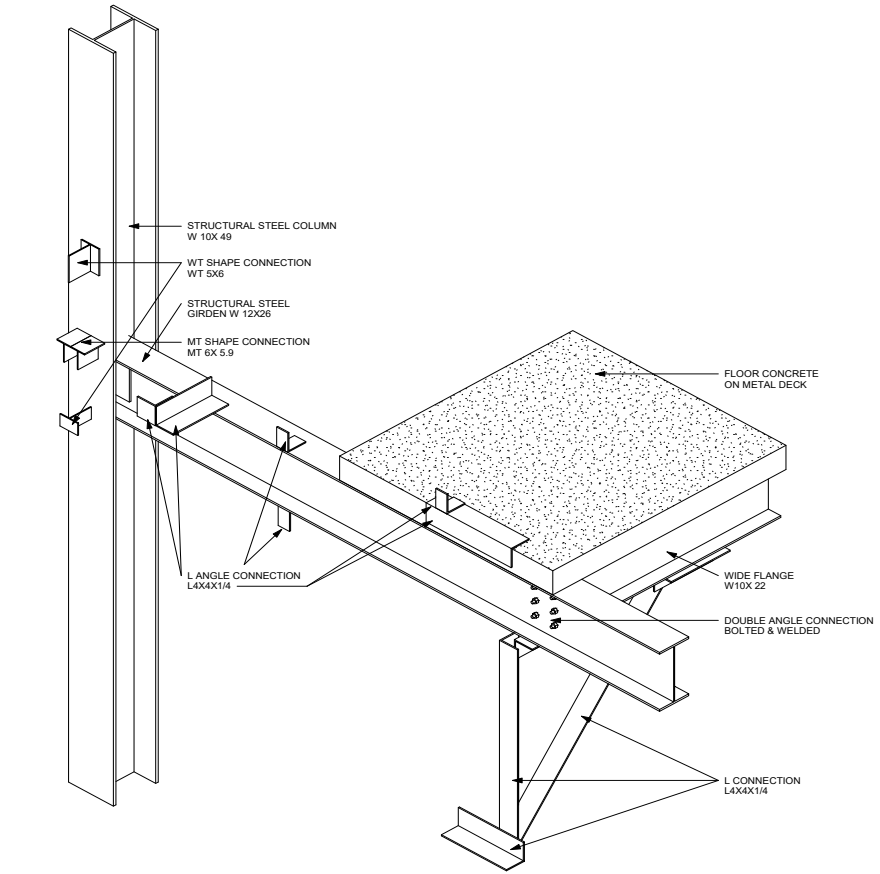
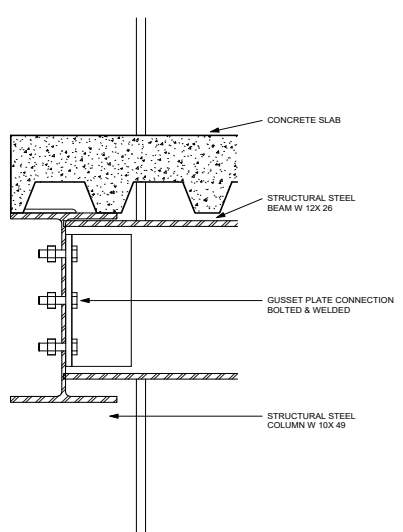




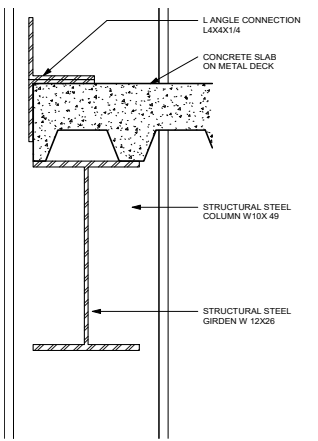
① DETAIL AT COLUMN TO GIRDER CONNECTION
3" = 1'-0"



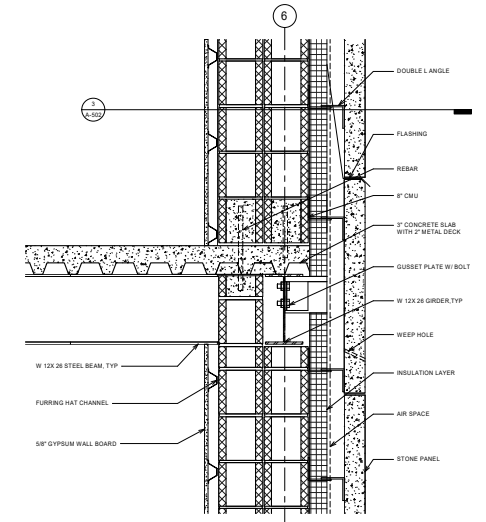
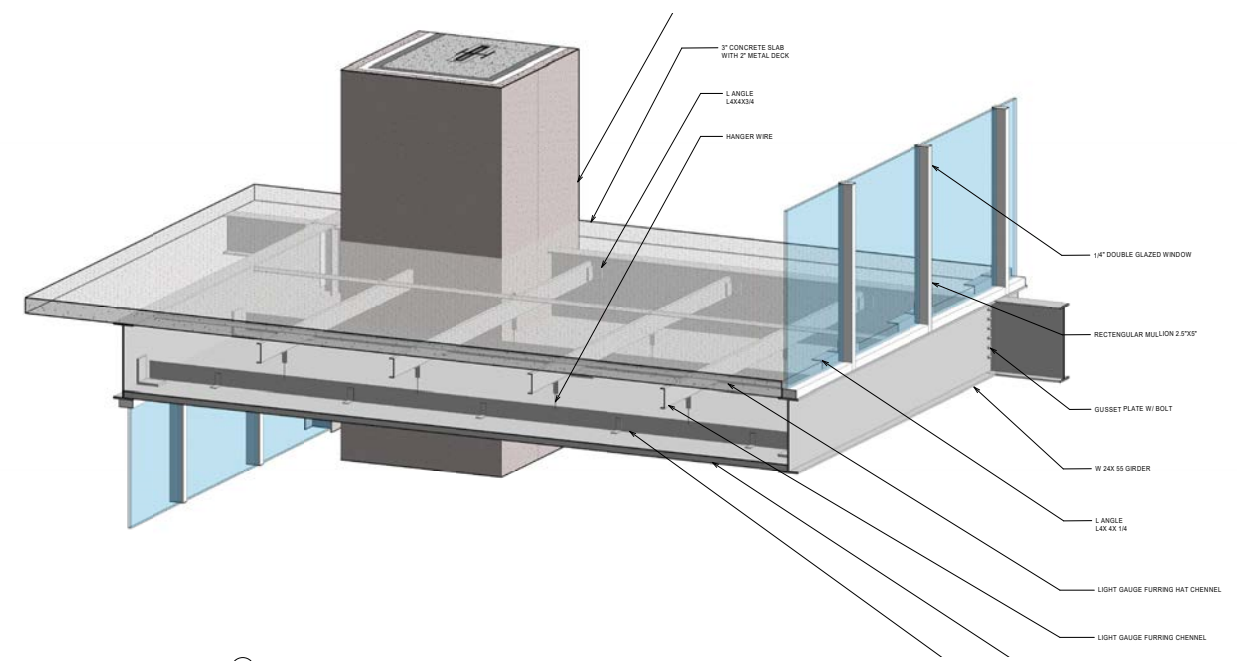
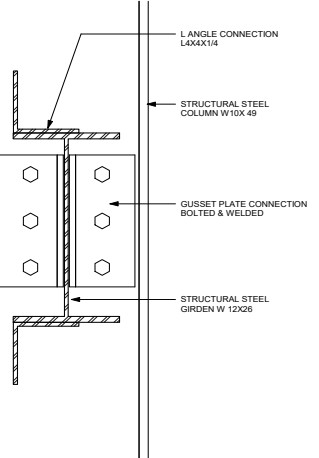
② DETAIL AT GIRDER-BEAM-FLOOR SLAB CONNECTION
3" = 1'-0"



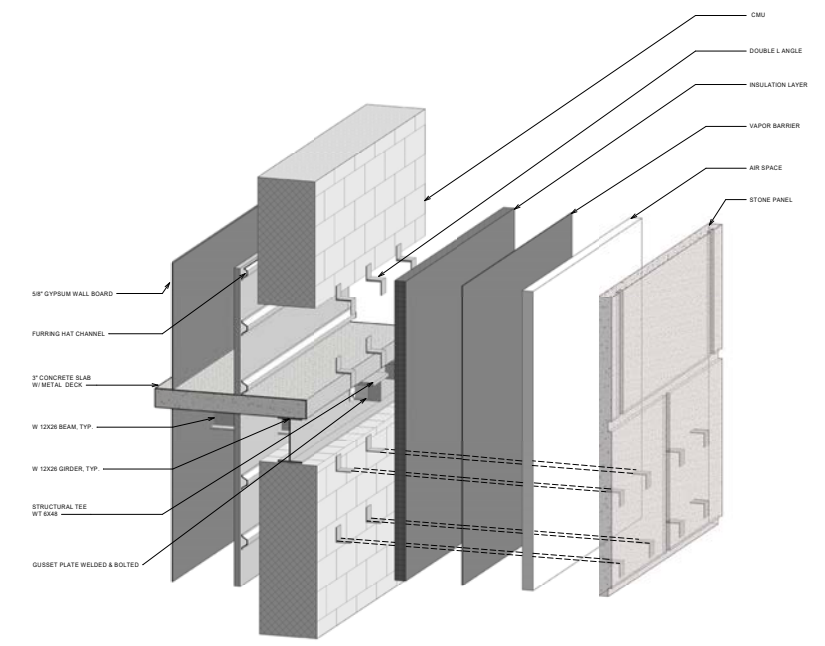
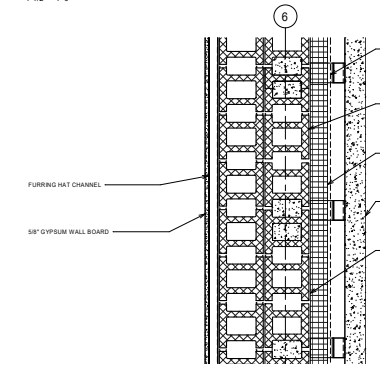
③ DETAIL AT FLOOR SLAB TO EXTERIOR WALL CONNECTION
3" = 1'-0"

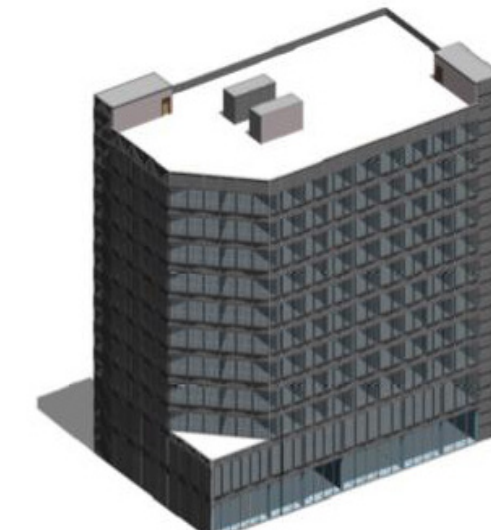
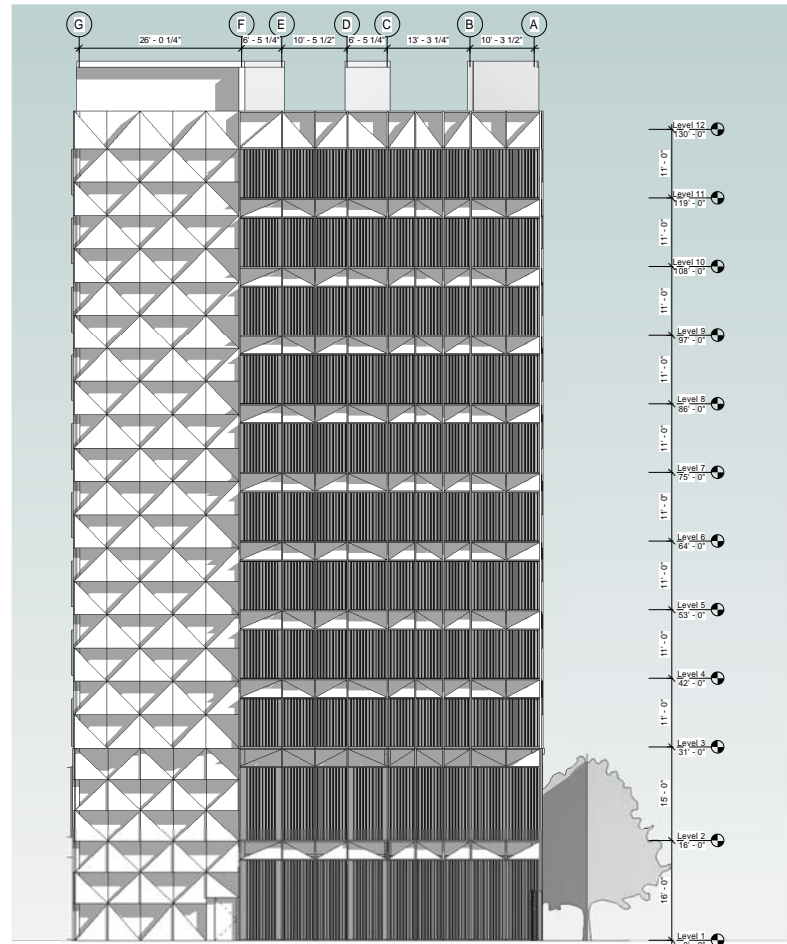


④ DETAIL AT BEAM OR GIRDER TO EXTERIOR WALL CONNECTION
3" = 1'-0"



⑤ CAVITY WALL SECTION DETAIL
1 1/2" = 1'-0"





COMMERCIAL BUILDING

DESCRIPTION:

The project is focus on concrete construction. This project studies the development of building systems as they occur during the design development phase of architecture. This is a commercial building including retail and office spaces. This Project focuses on building assemblies and systems, codes and government regulations.

