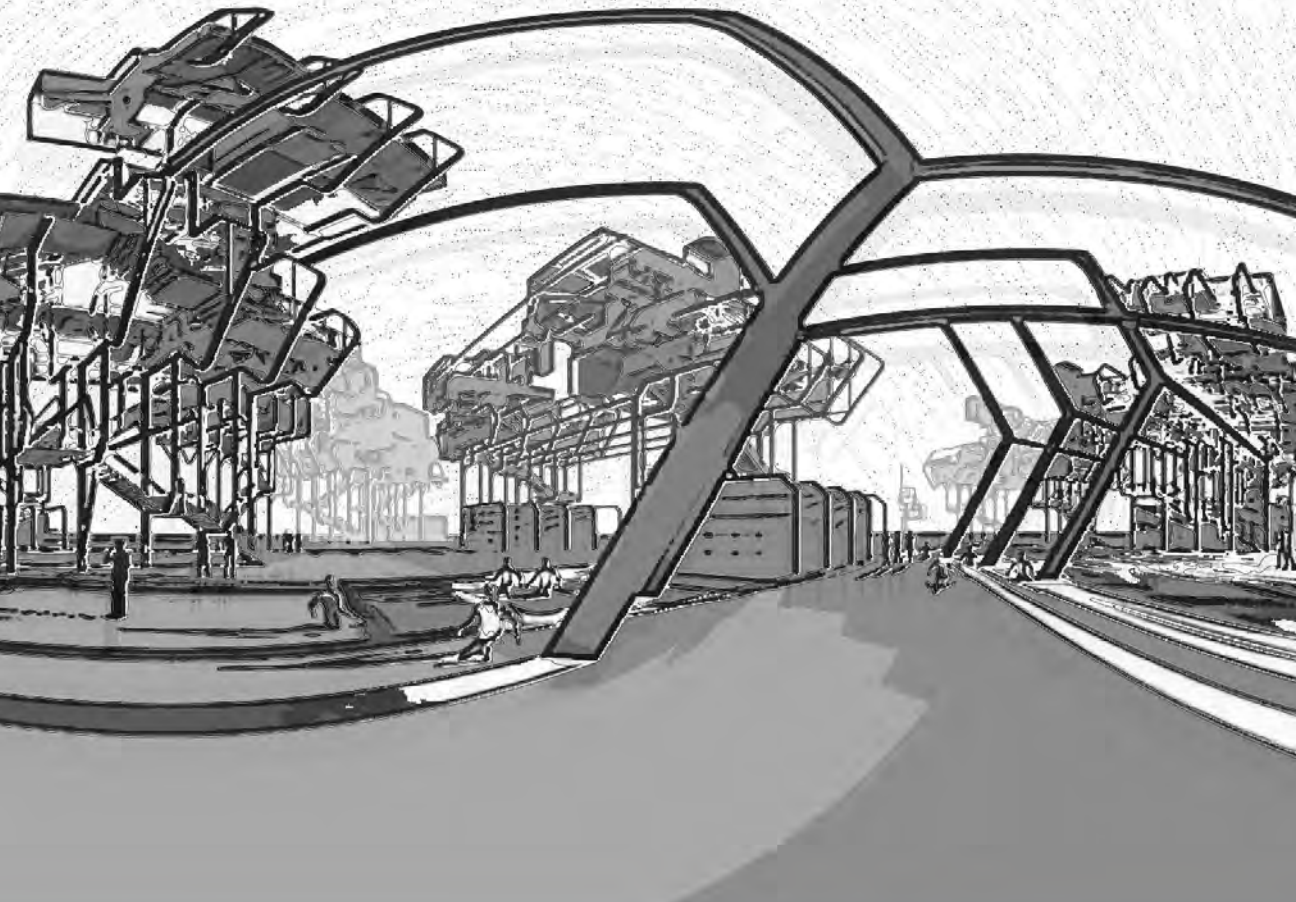


JUAN DAVID GOMEZ

PRATT INSTITUTE ARCHITECTURE
UNDERGRADUATE SELECTED WORKS



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PROFILE FRAMING GALLERY

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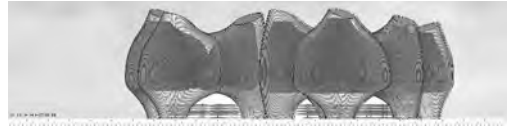
4



FIGURAL CLUSTERS BOATHOUSE

DESIGN 302

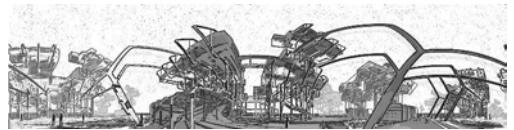
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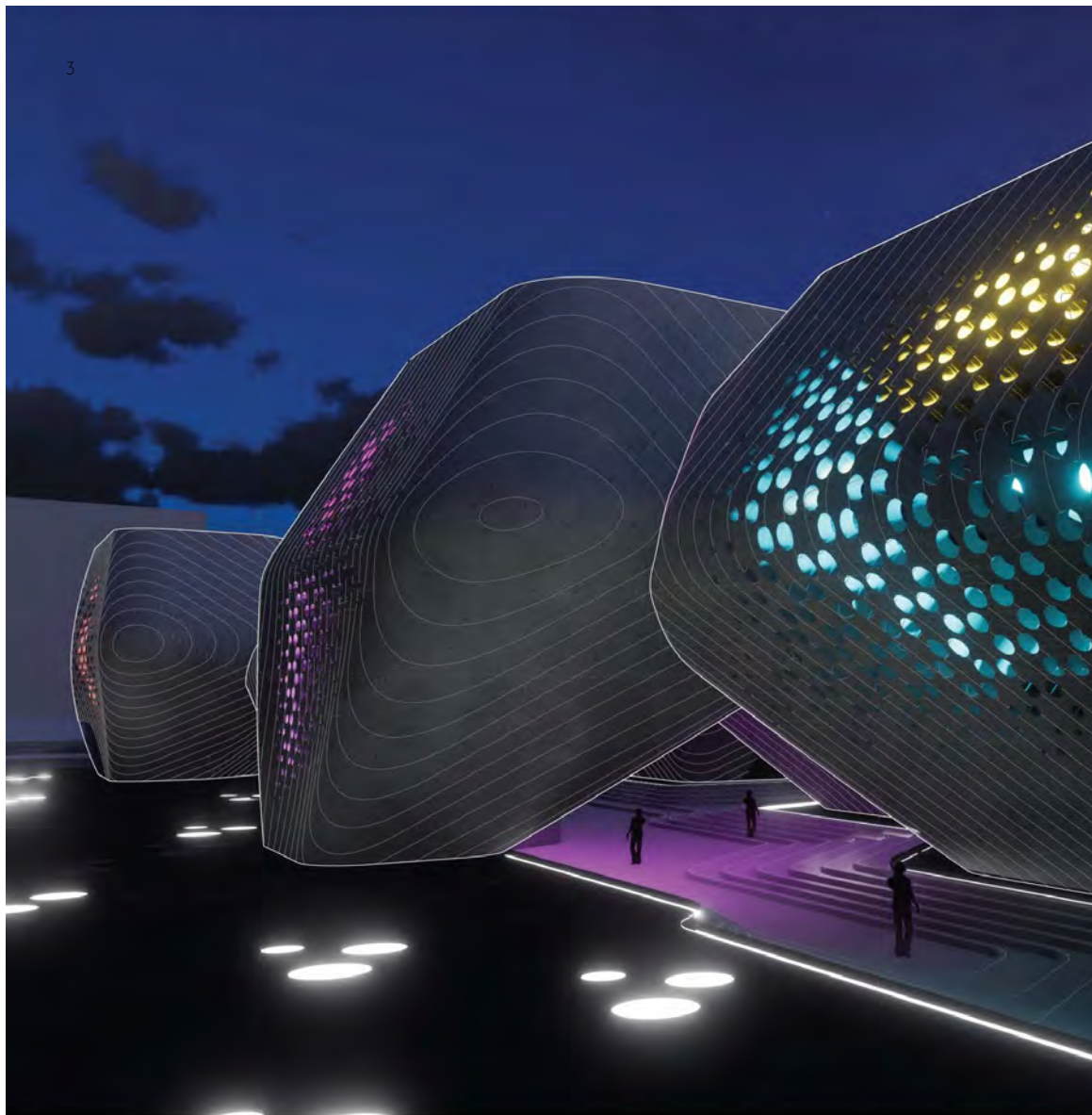


HORIZON KINDERGARTEN

DESIGN 201

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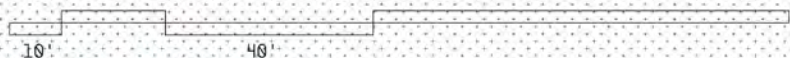
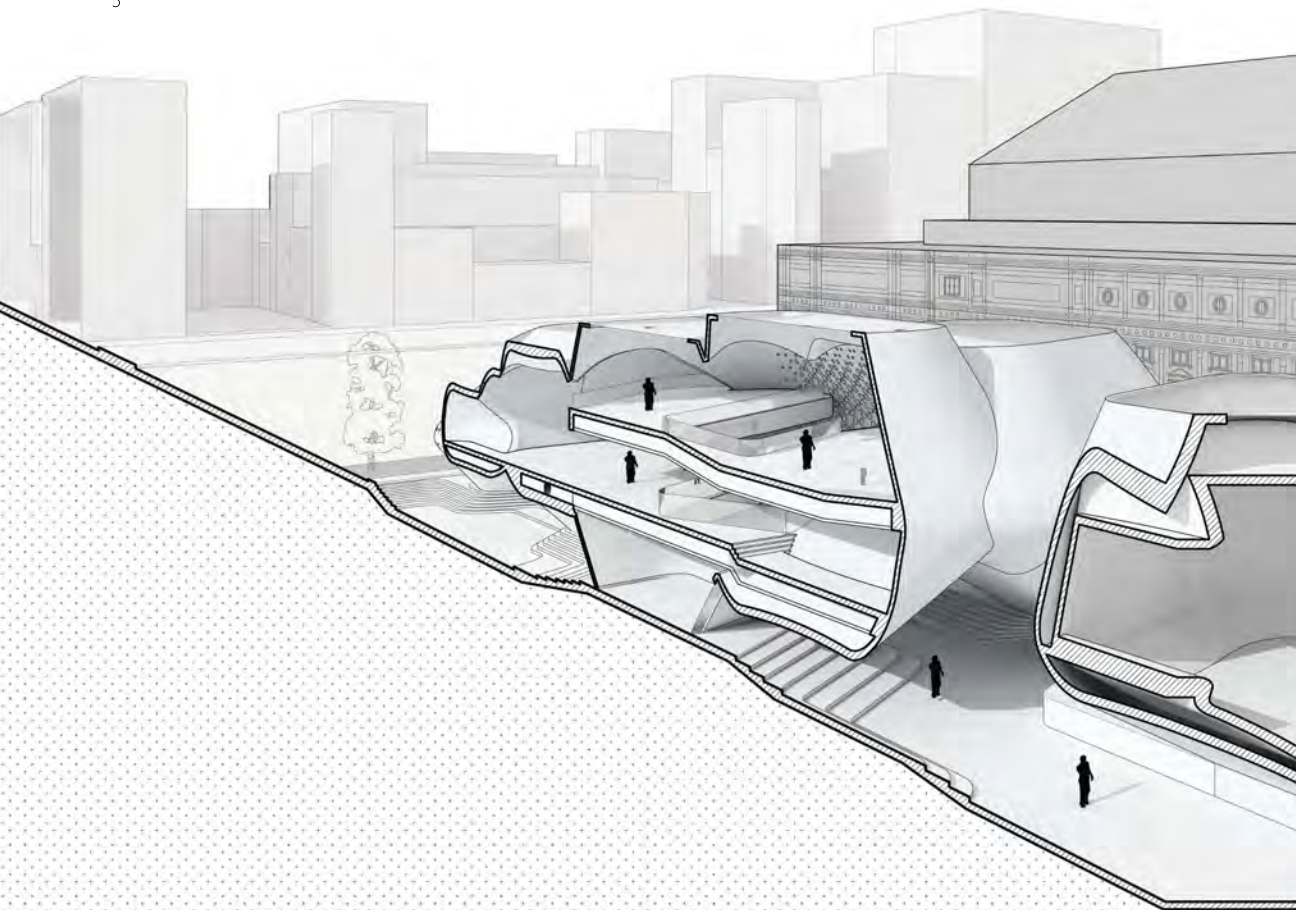


PROFILE FRAMING GALLERY

PROF: GUILLERMO BANCHINI

FALL 2019

The challenge of this project was how to design an art gallery right beside the Teatro Colon, one of the most famous opera houses in the world. In a space where whatever was placed on it would obstruct the theater in some way, the goal became "how can I showcase the project itself while also showing the theater in a new way." By analyzing the flow of people and overall transit in and around the site, going with a design strategy that broke up the building by program into three allowed for a unique ground condition and experience as well as a "frame" for the Colon theater. The project is broken up into the administration, the gallery, and the secondary theater buildings; giving a unique new snapshot of the historic theater facade at every in-between space.



PRATT INSTITUTE

SPONSOR TRAVEL STUDIO
SHARED STUDIO UBA-PRATT

BUENOS AIRES - ARGENTINA FA 19

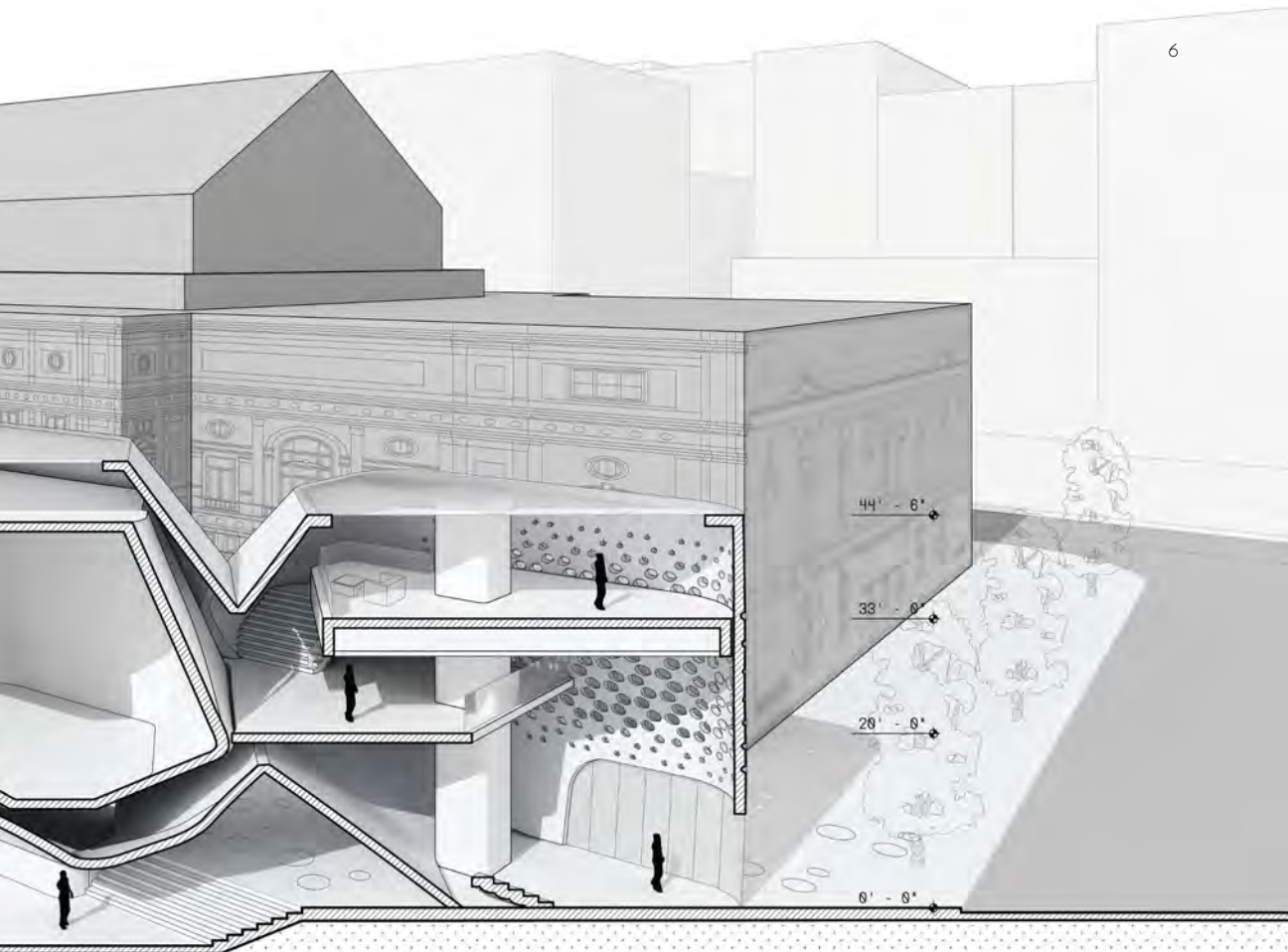
COLON TEATHER MUSEUM

BUENOS AIRES, ARGENTINA

INSTRUCTOR
GUILLERMO BANCHINI
T A

JUAN

DATE
12/0



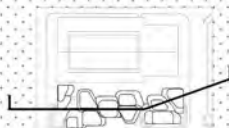
GOMEZ

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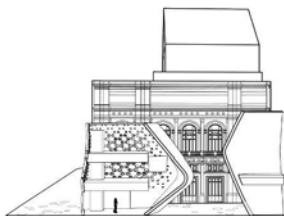
⑧1 1st Floor

⑧2 2nd Floor

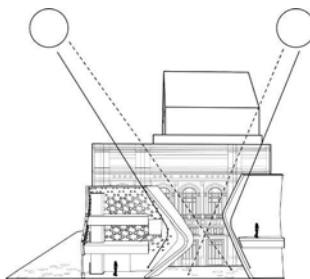
⑧3 3rd Floor



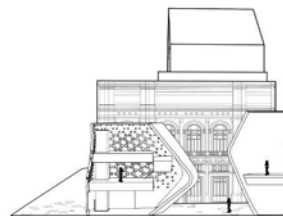
Section A



FRAMING

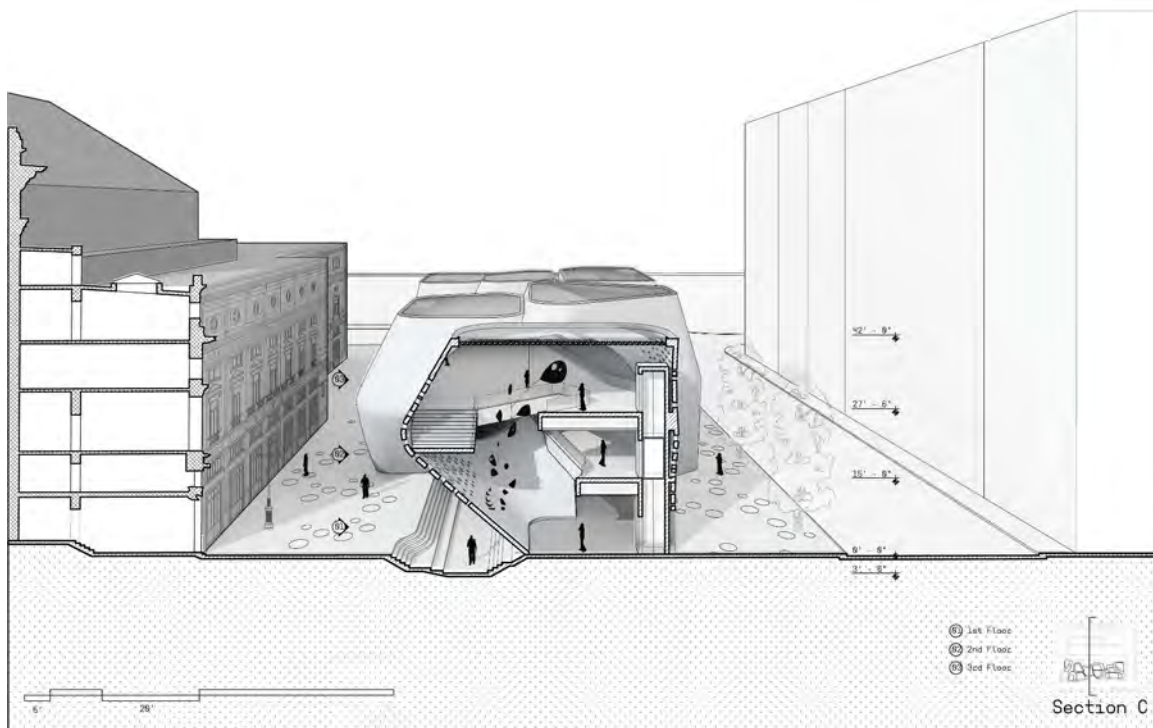


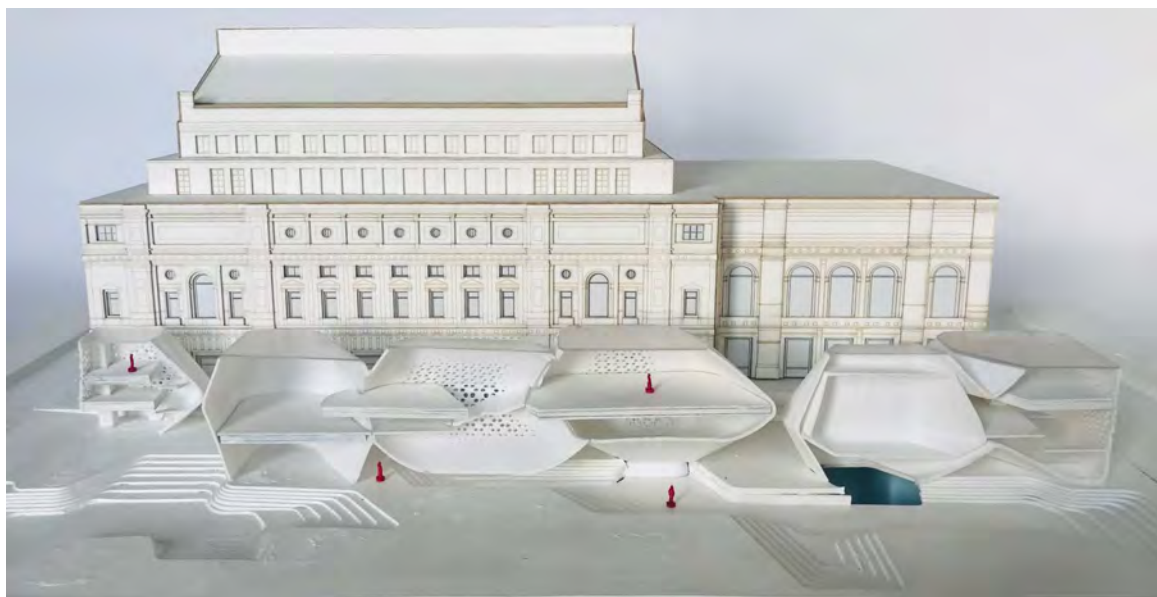
LIGHT CAPTURE

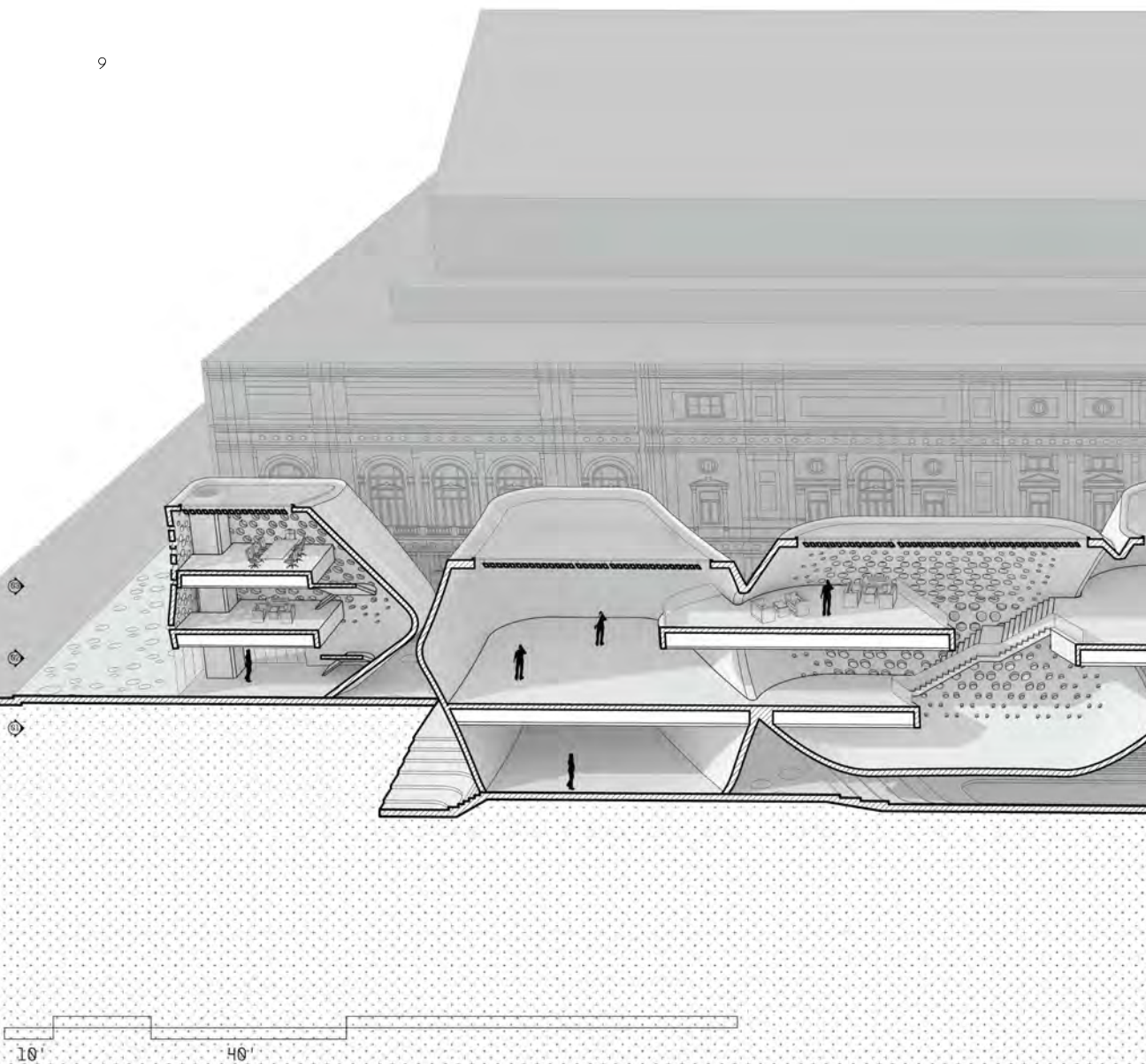


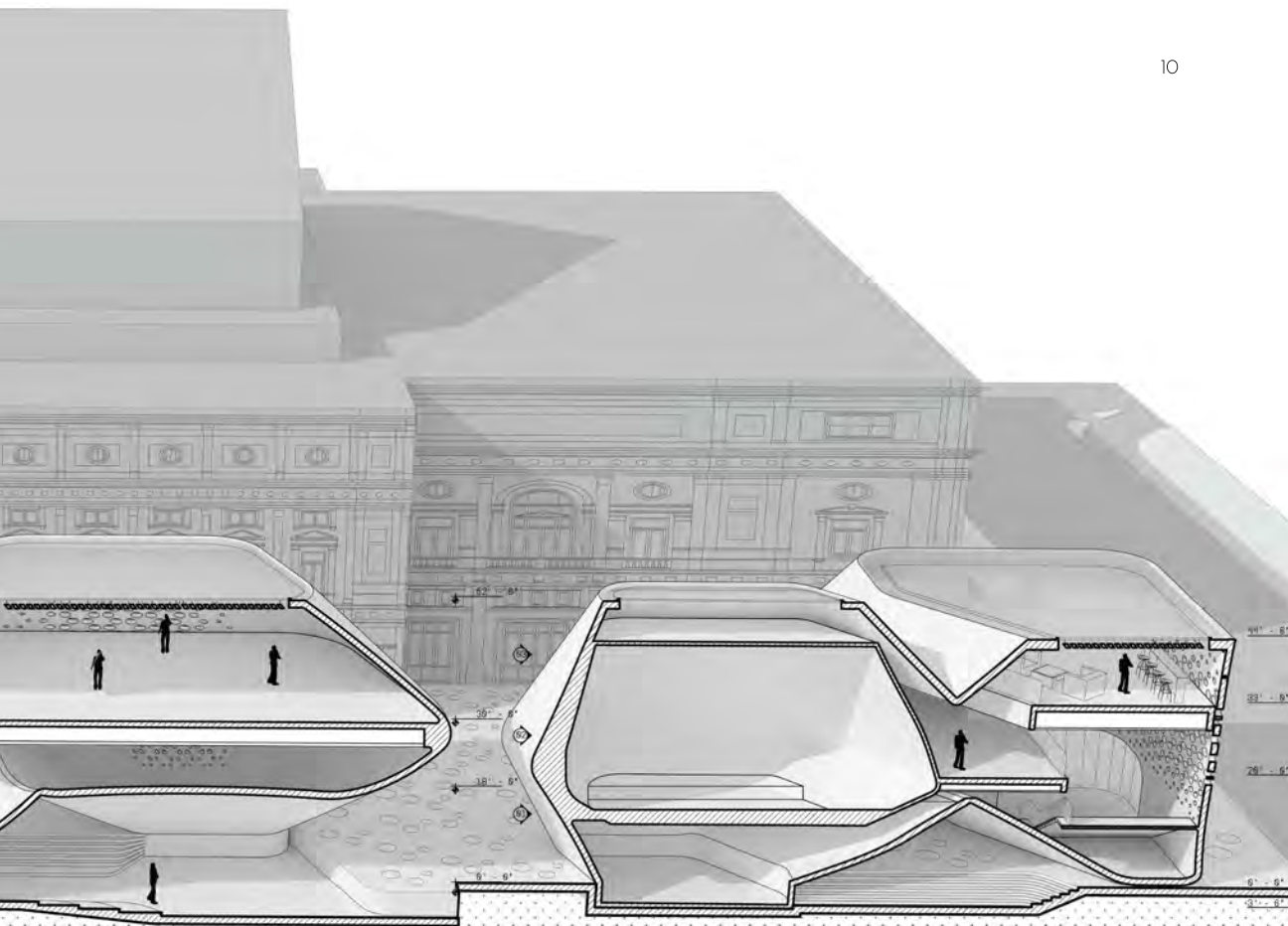
INSIDE VS IN-BETWEEN

MASSING DETAIL DIAGRAMS

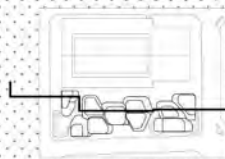




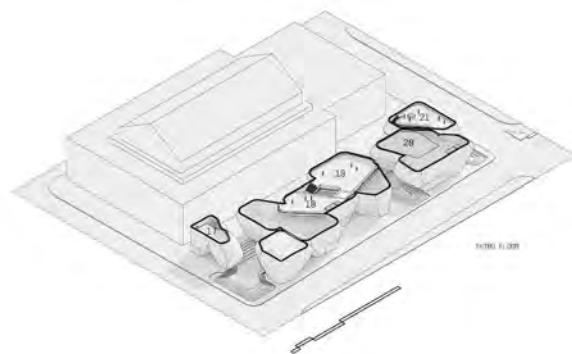
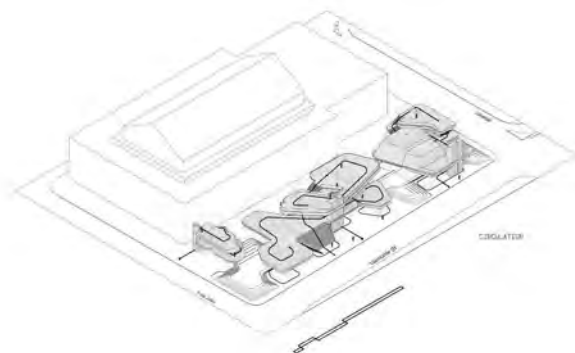




- ① 1st Floor
- ② 2nd Floor
- ③ 3rd Floor



Section B



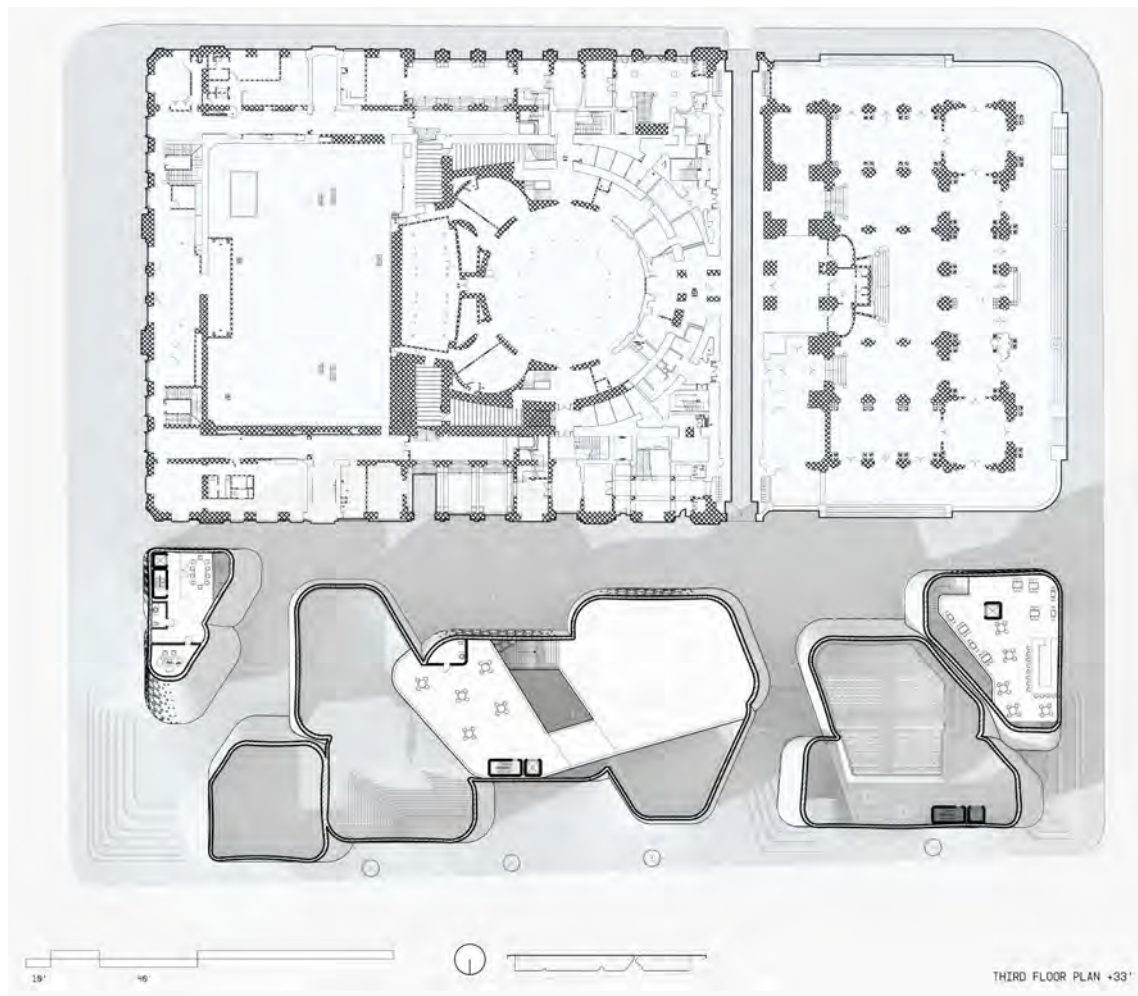
- 1 Ticket Booth • Security
- 2 Storage
- 3 Bookstore
- 4 Cafe / Restaurant
- 5 Exit Lobby

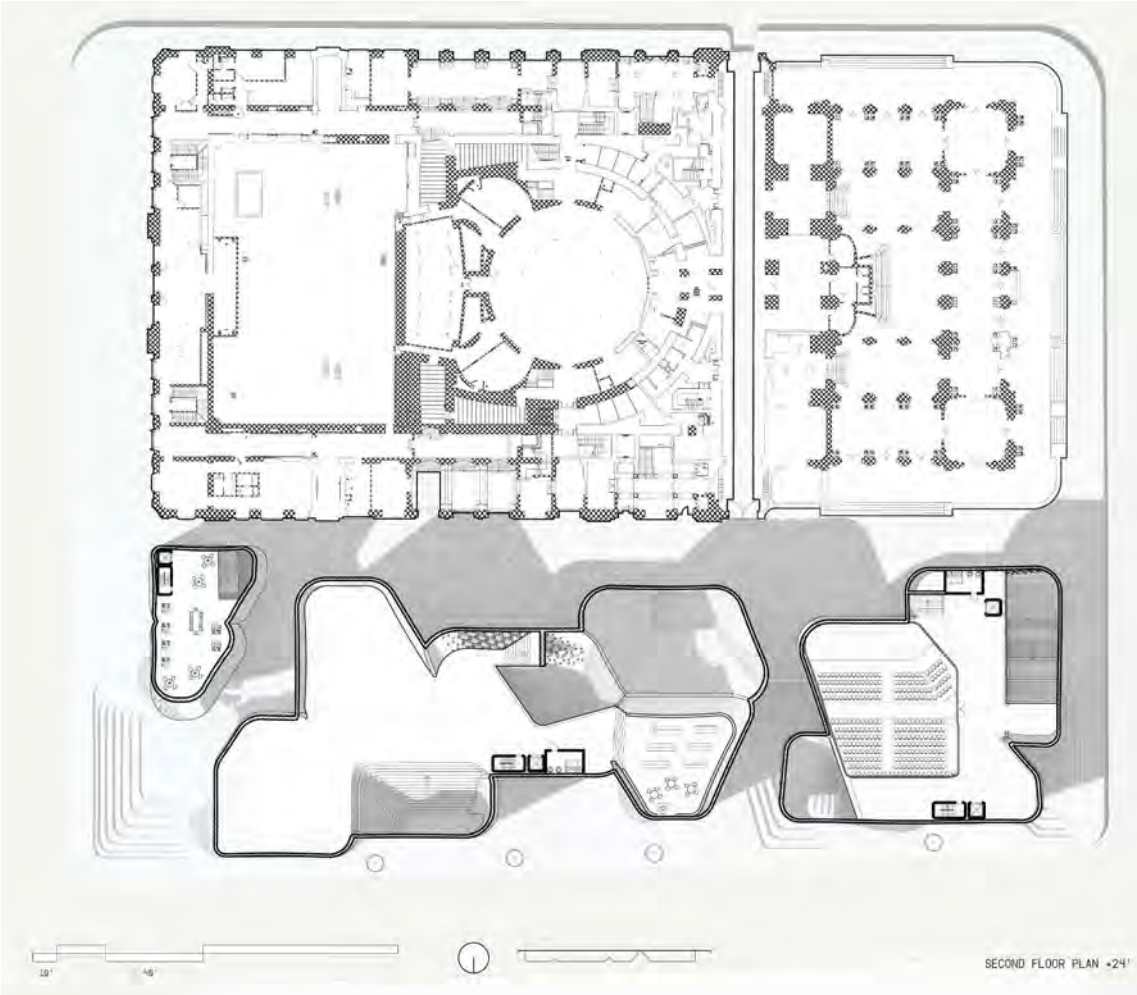
- 6 Ticket Booth • Security • Reception
- 7 Souvenir Shop
- 8 Theater Colan Access
- 9 Theater Colan Access
- 10 Ticket Booth • Security

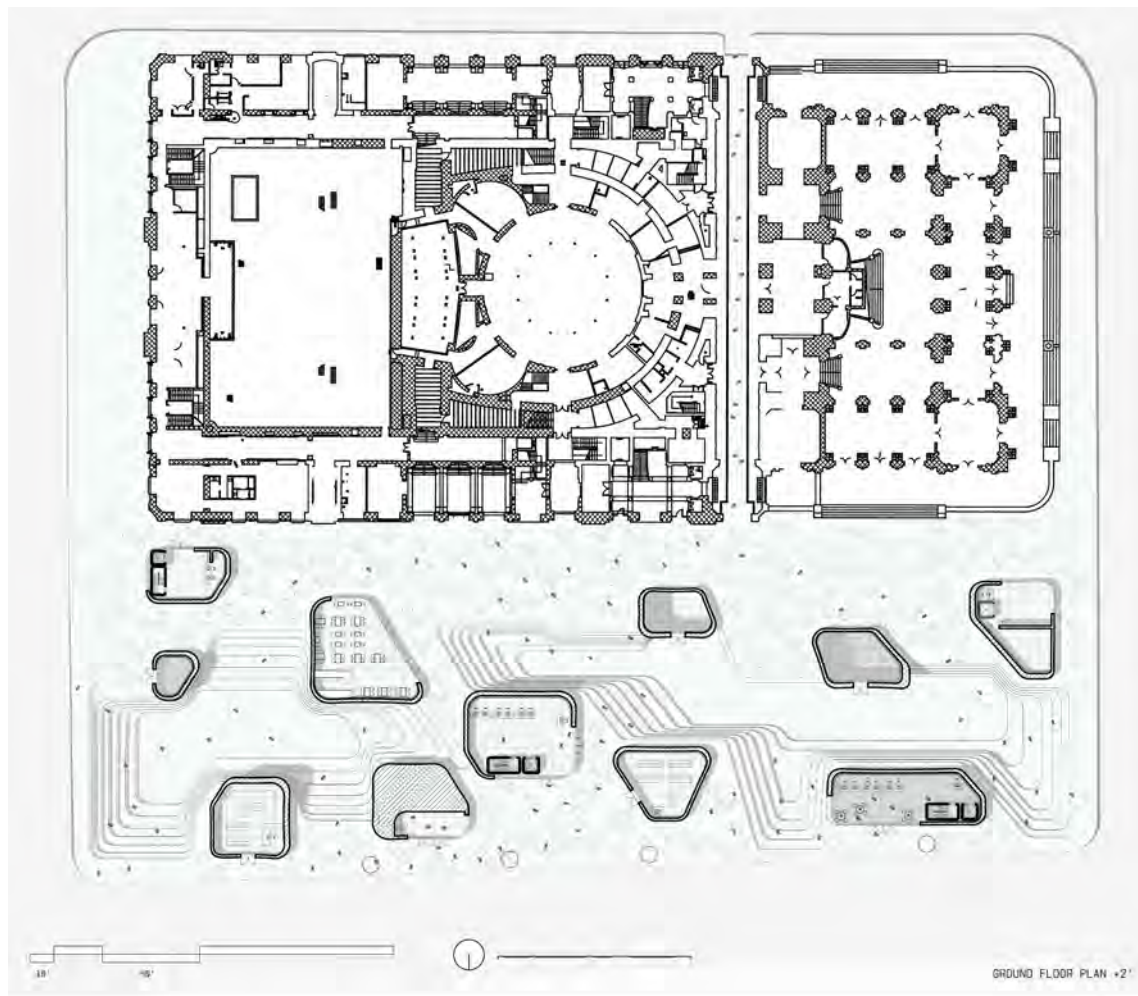
- 11 Exit Lobby
- 12 Open Office
- 13 Gallery 2
- 14 Gallery 2
- 15 Library

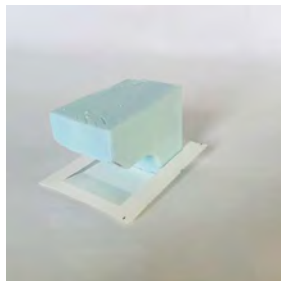
- 16 Auditorium
- 17 Meeting Room • Secretary Office • Director Office
- 18 Reception Hall
- 19 Gallery 1
- 20 Auditorium

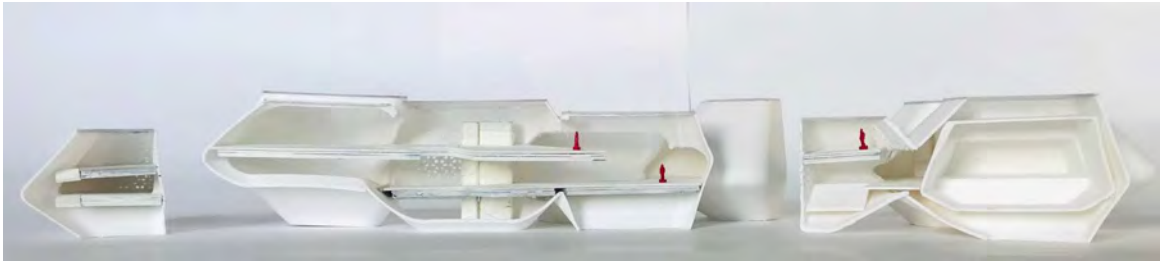
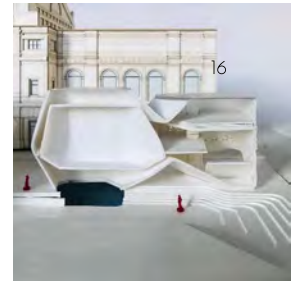
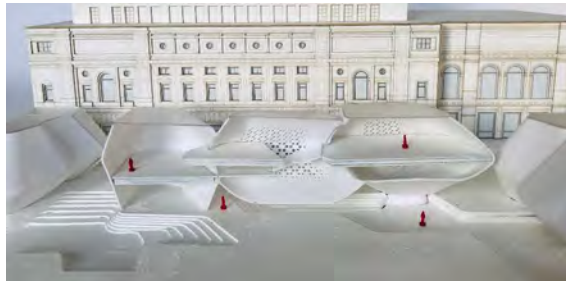
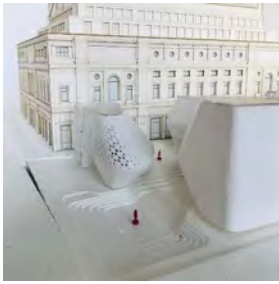
- 21 Bar • Restaurant

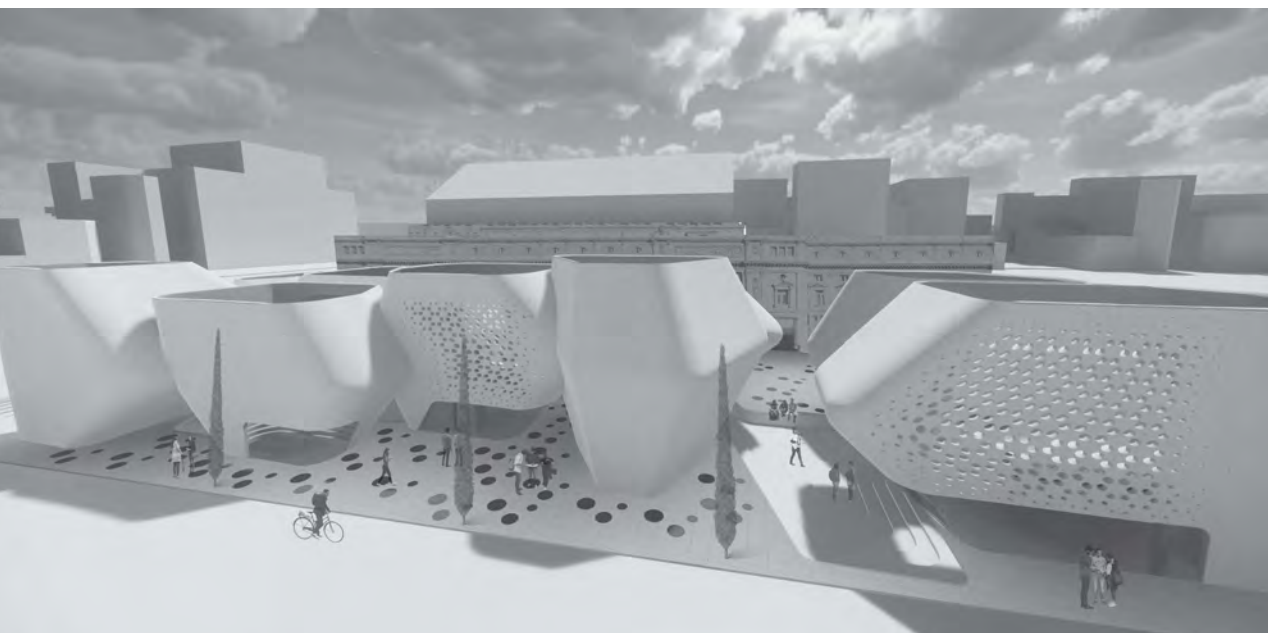
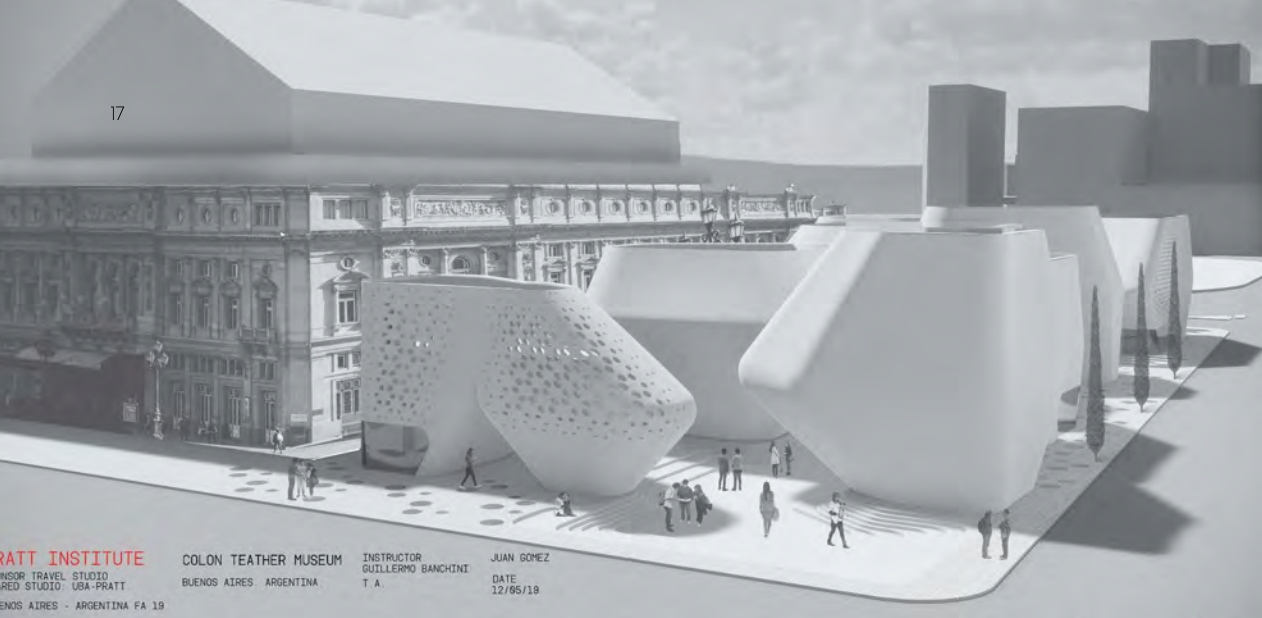


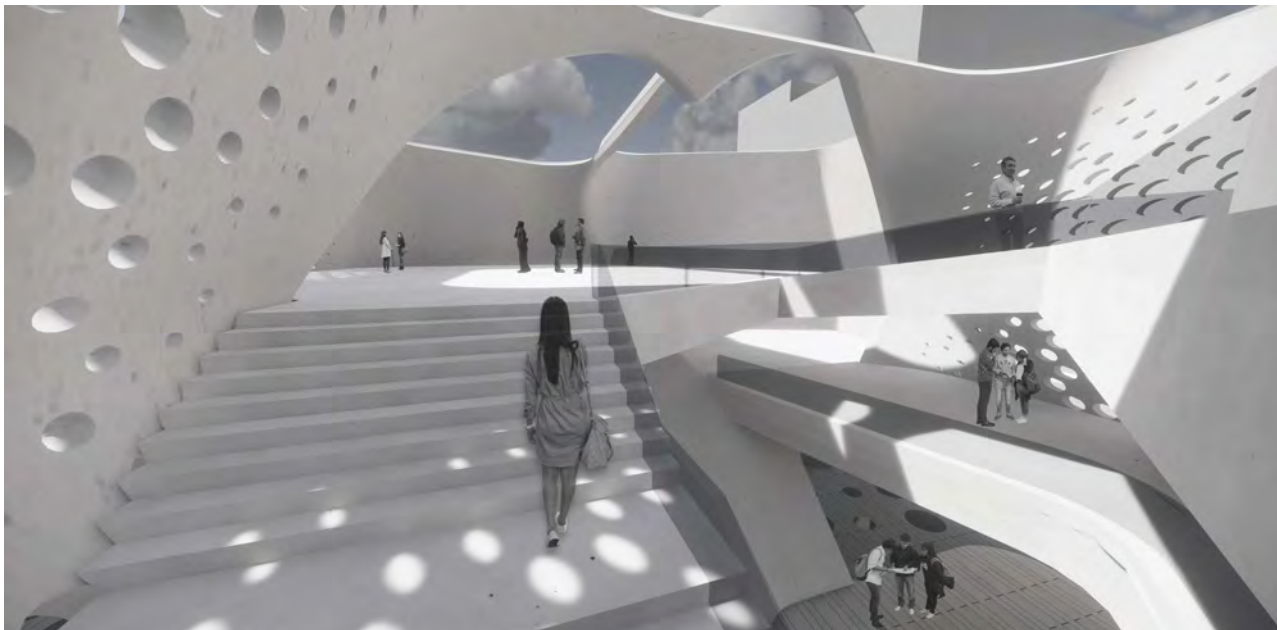
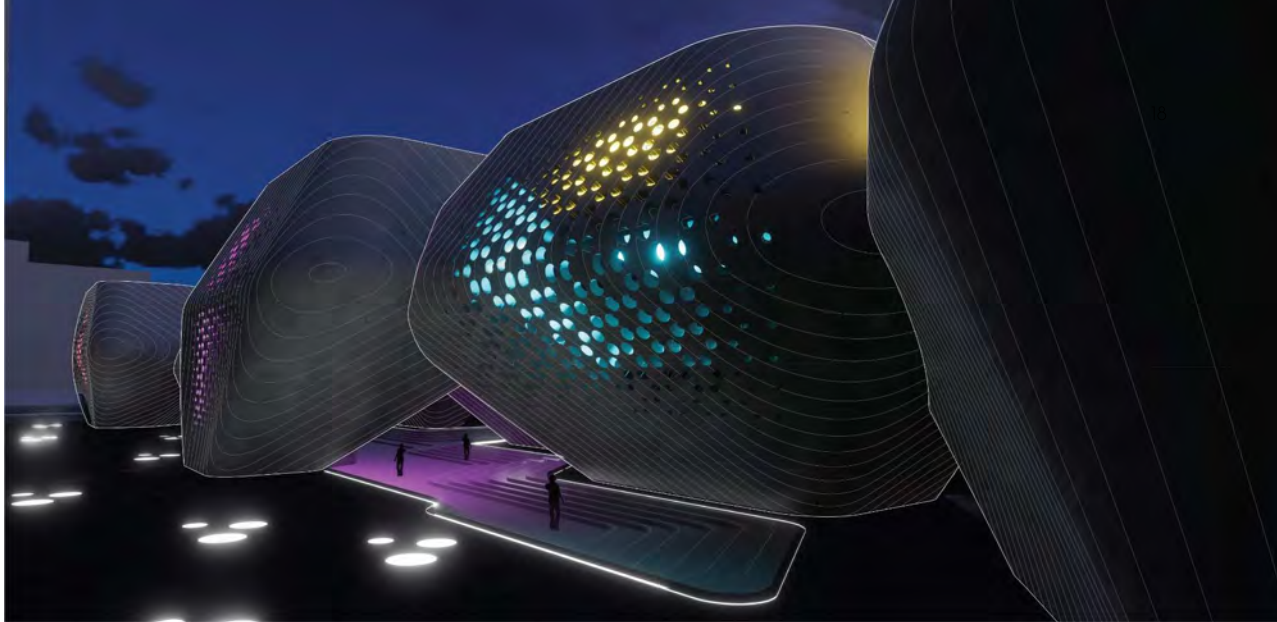












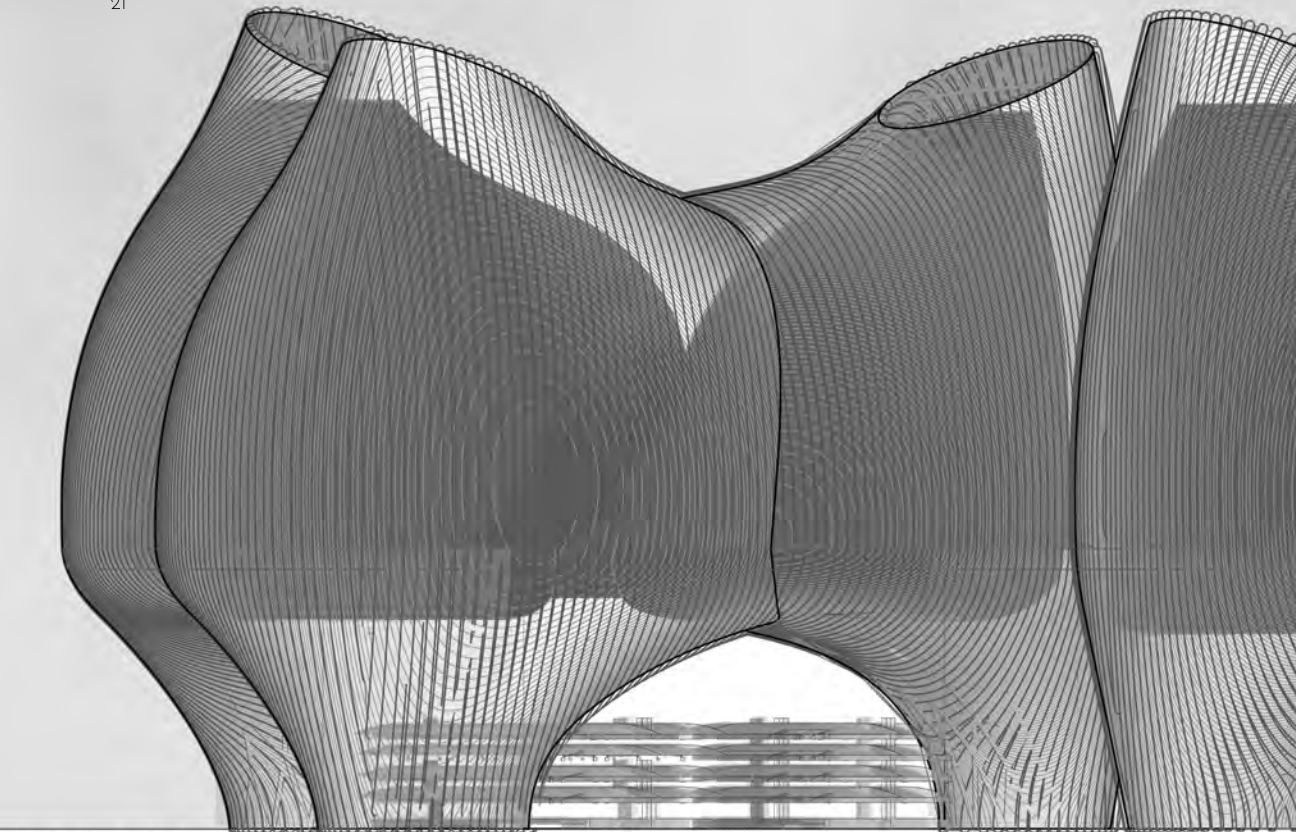


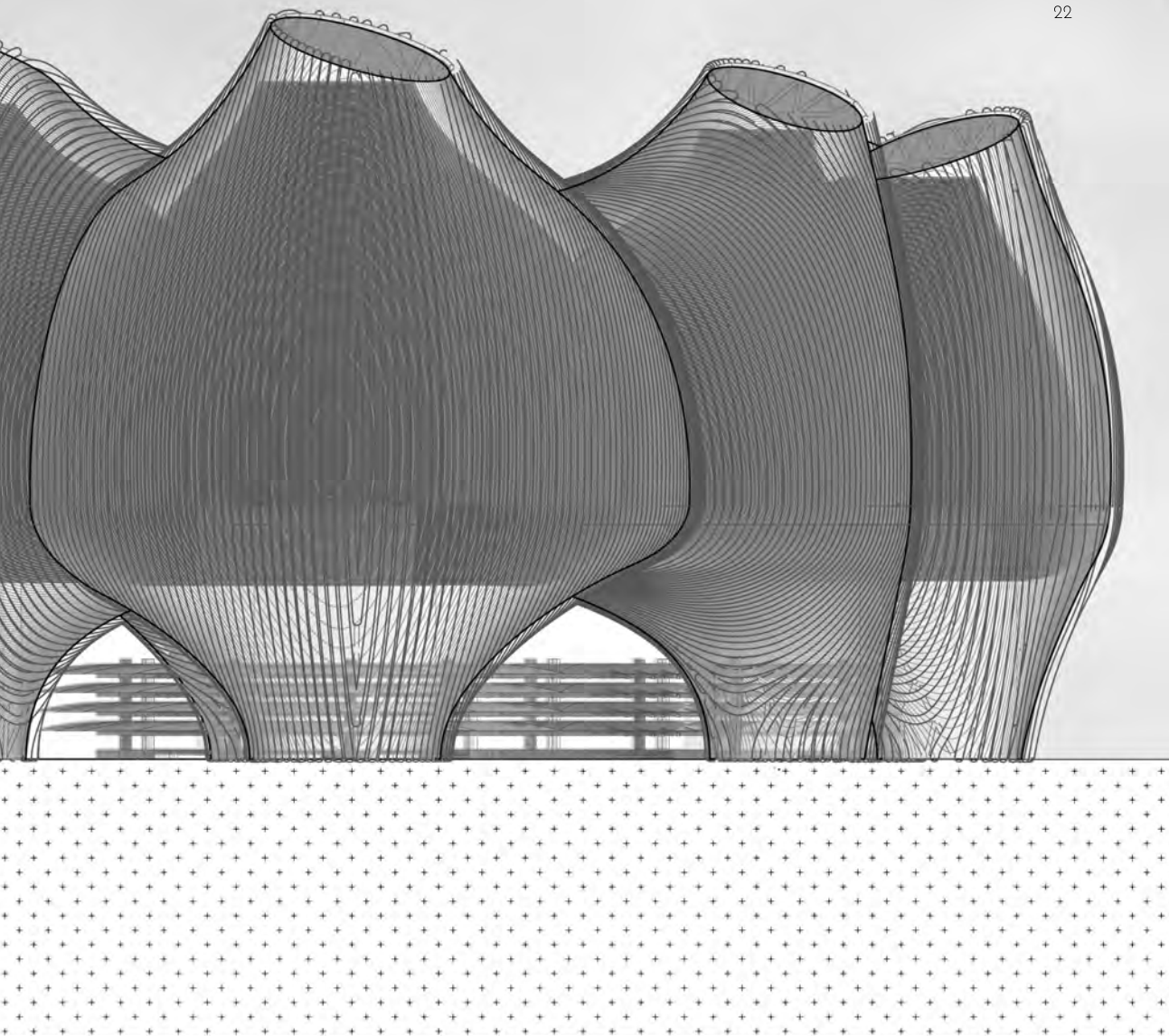
FIGURAL CLUSTERS BOATHOUSE

PROF: MICHAEL CHEN

SPRING 2018

The goal of the semester was to design a the Columbia University boathouse. The idea to preserve public access and circulation on the ground was the main driving force for the project. A particular geometry was developed that performed as structure, enclosure, and as an experience while keeping the permeability at the ground. A distinction was made between a clustering and spreading of the geometry. They were clustered to create the enclosure and the program was spread into two buildings; one for the school and the other for the community. The building attempts to manage the population allowing the public access but also giving school athletics privacy based on the clustering and separation.



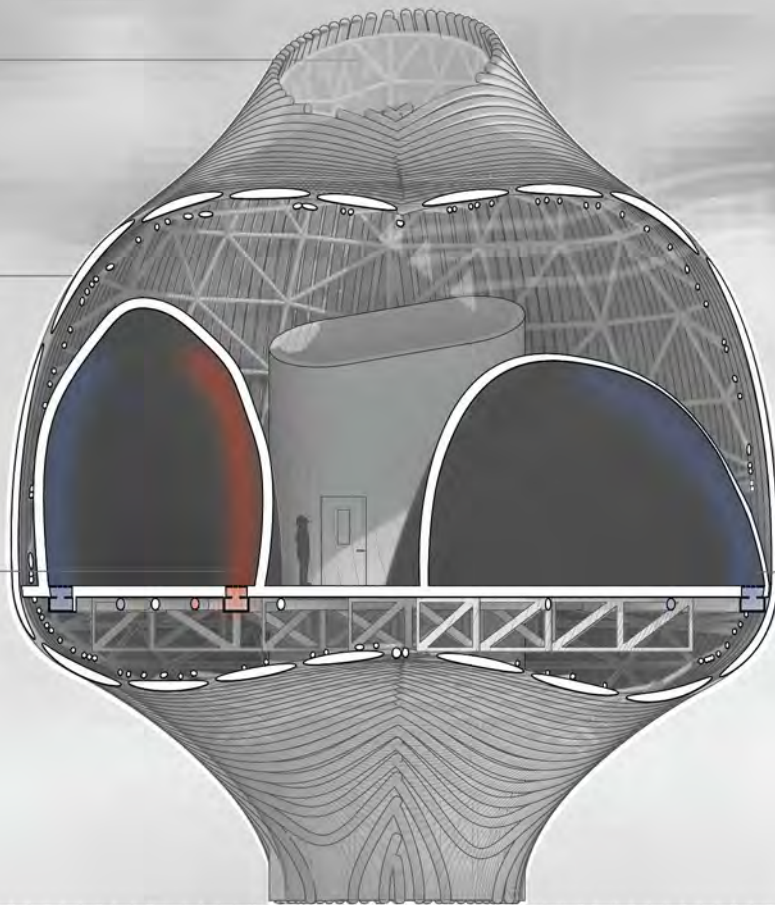


SKY LIGHT

POLYCARBONATE
TUBINGOUTSIDE
WIND

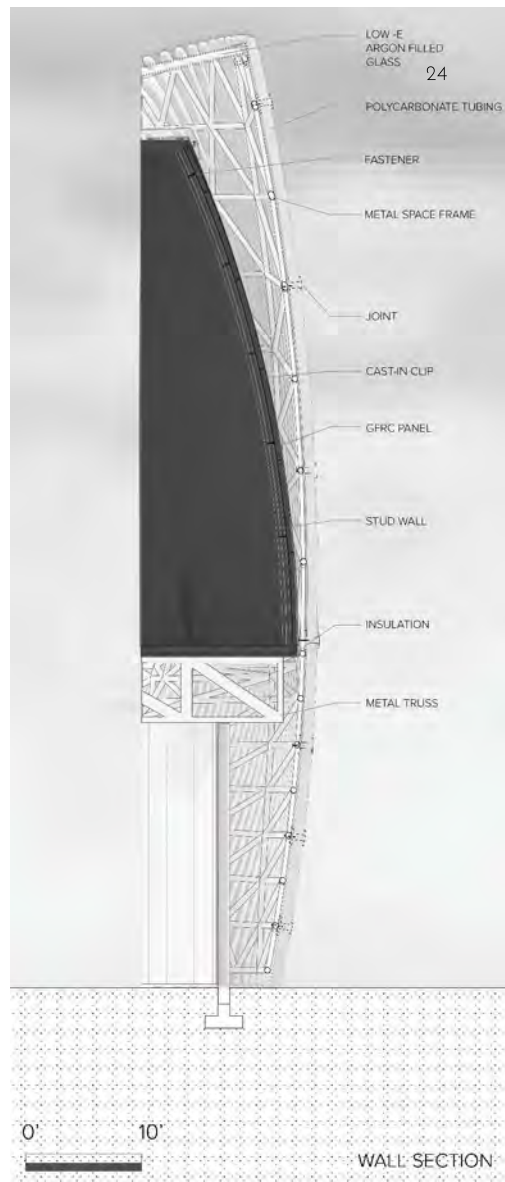
AIR RETURN

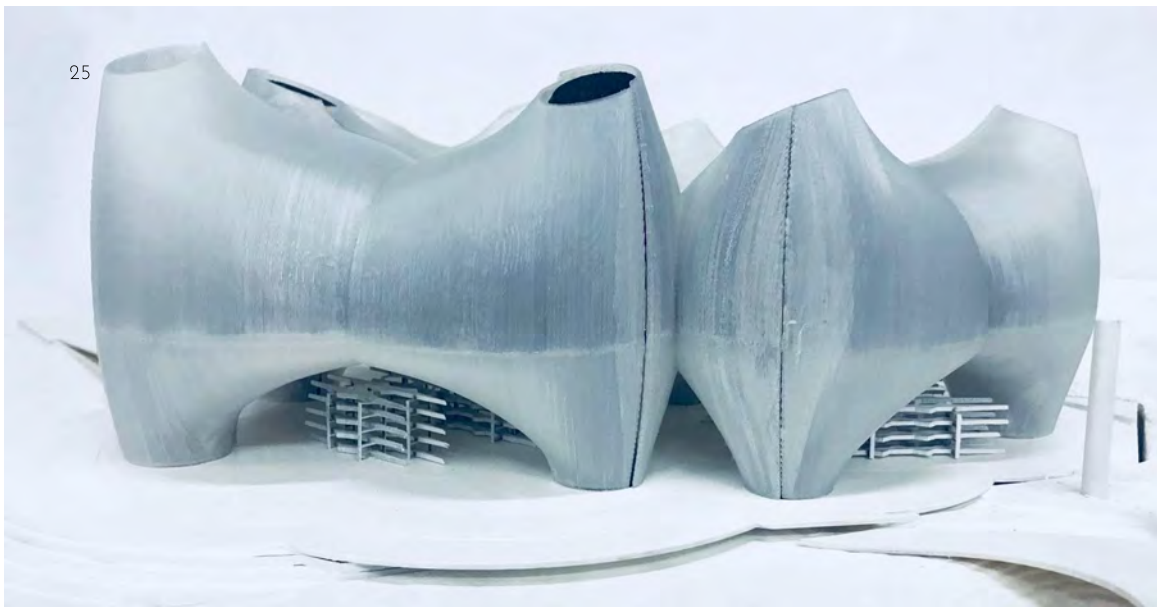
AIR SUPPLY

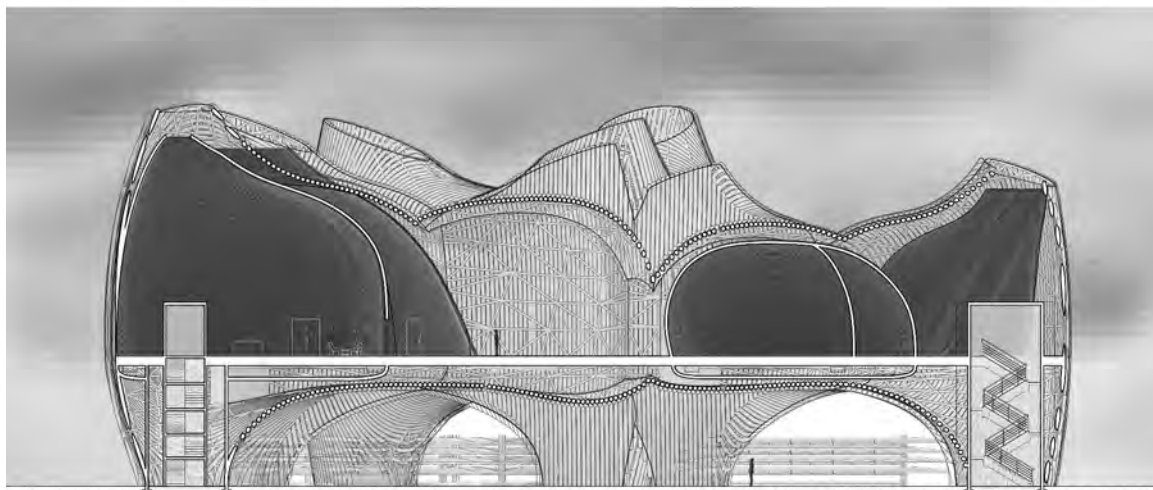
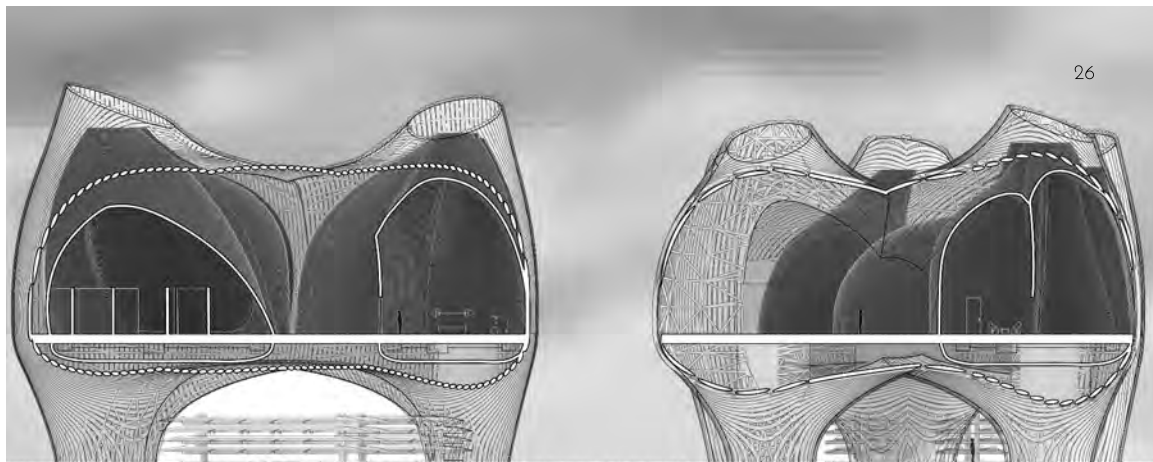




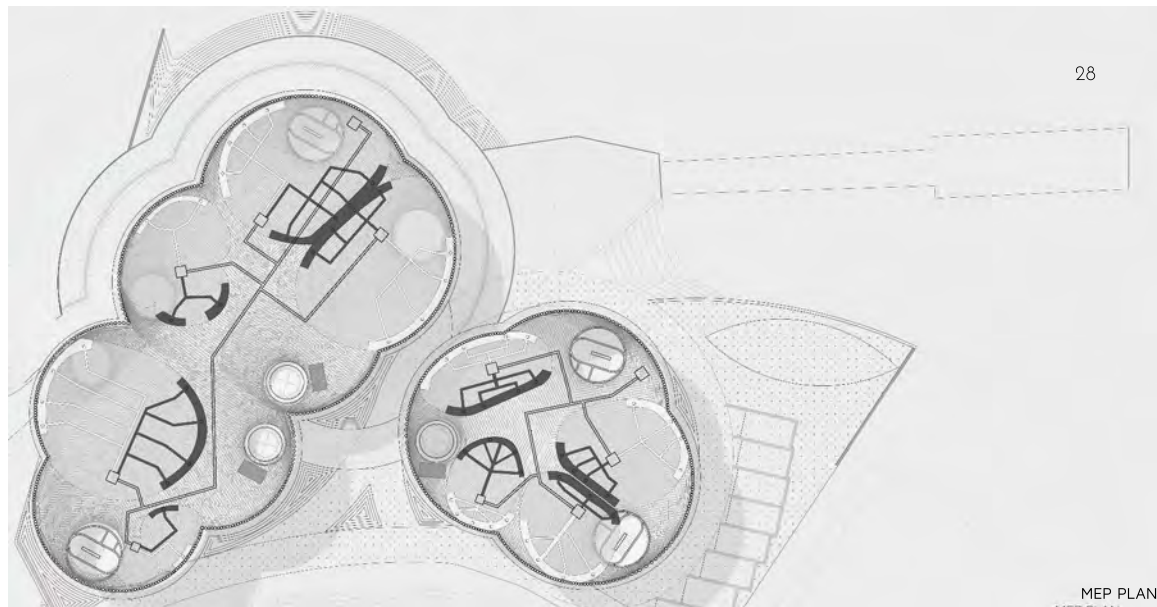
The structural system is split into two systems to free up the facade from any structural limitations. One structural system (space-frame) helps the building keep its shape and the other holds up the floor (slab and column).



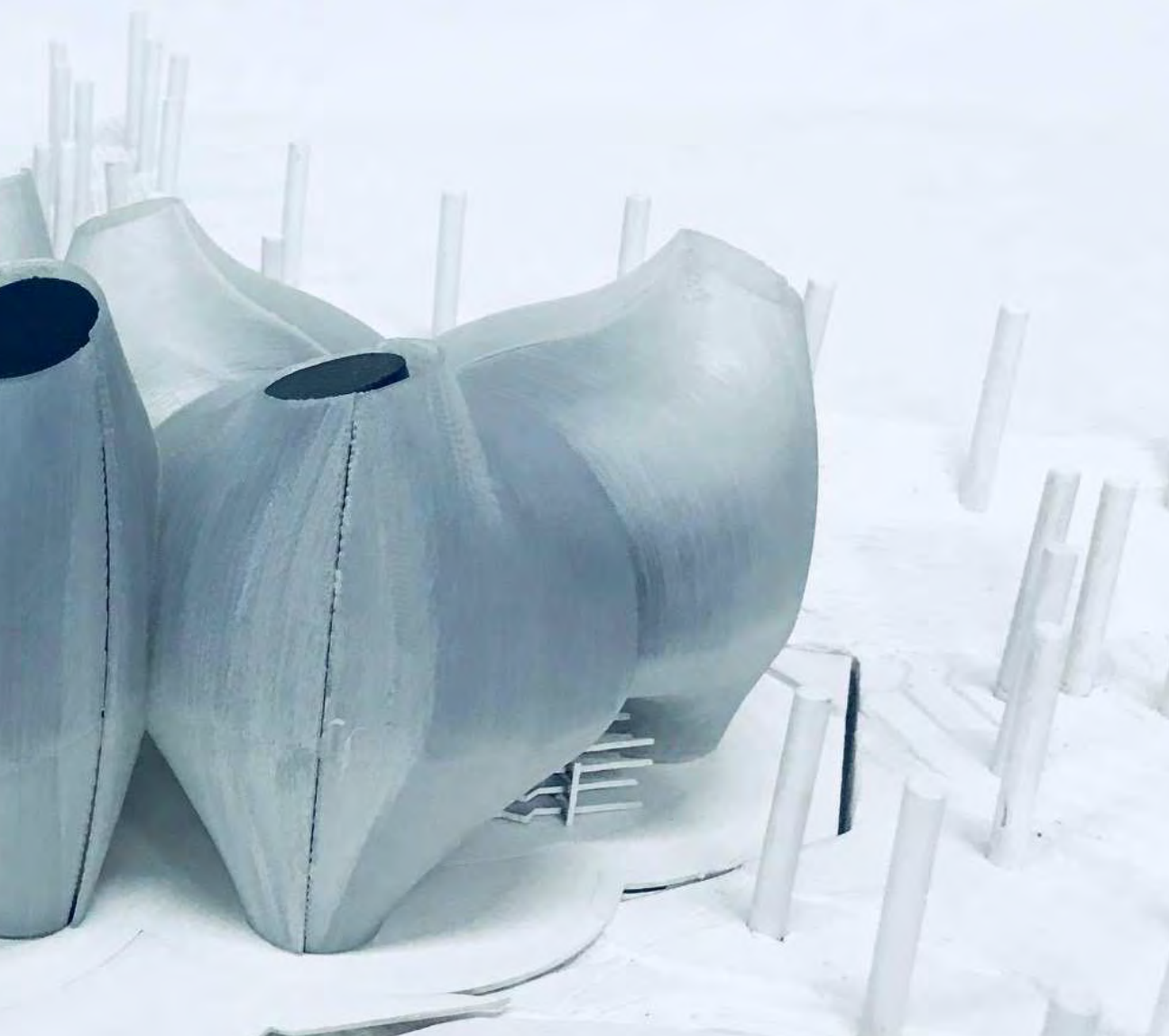


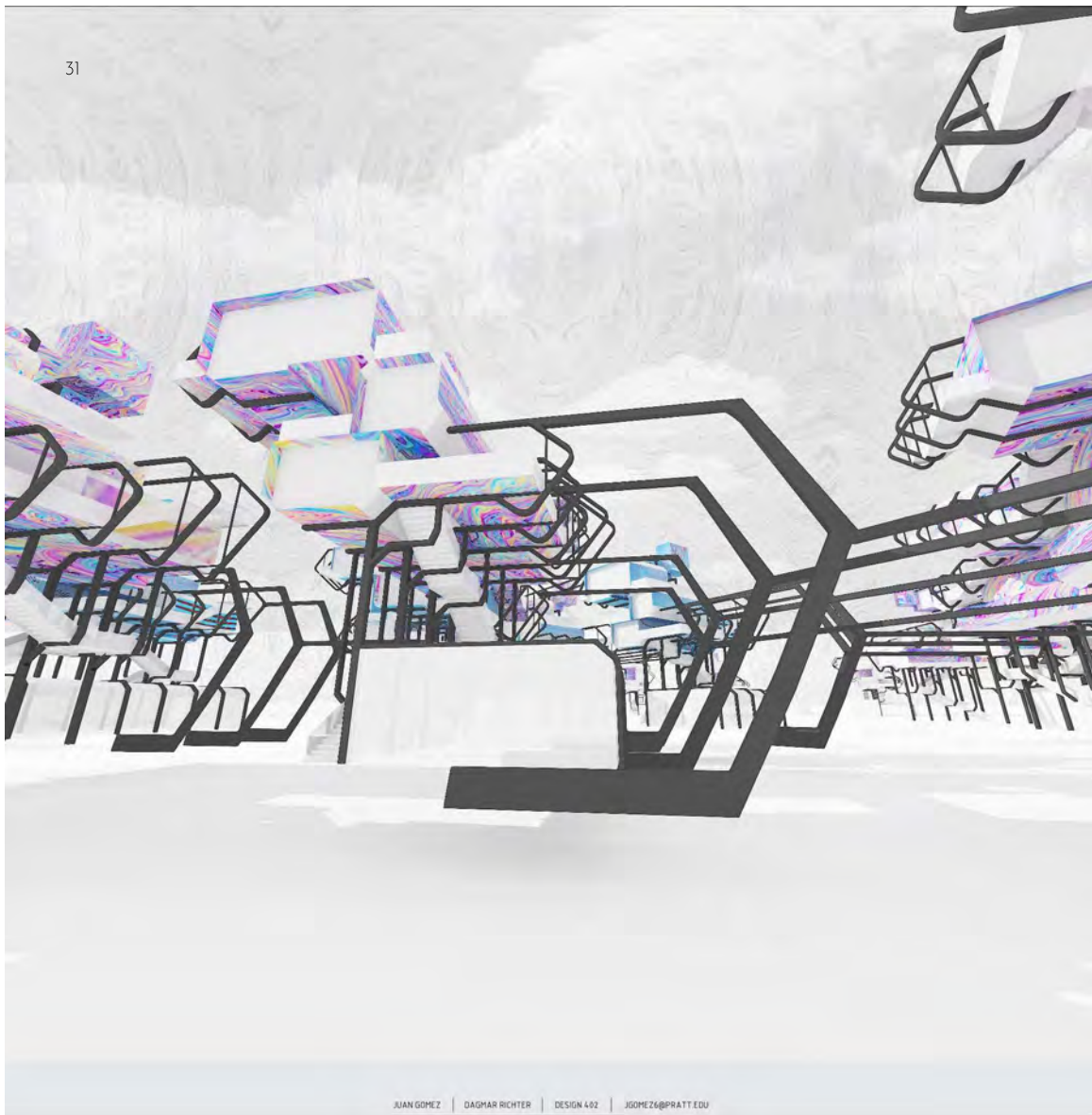










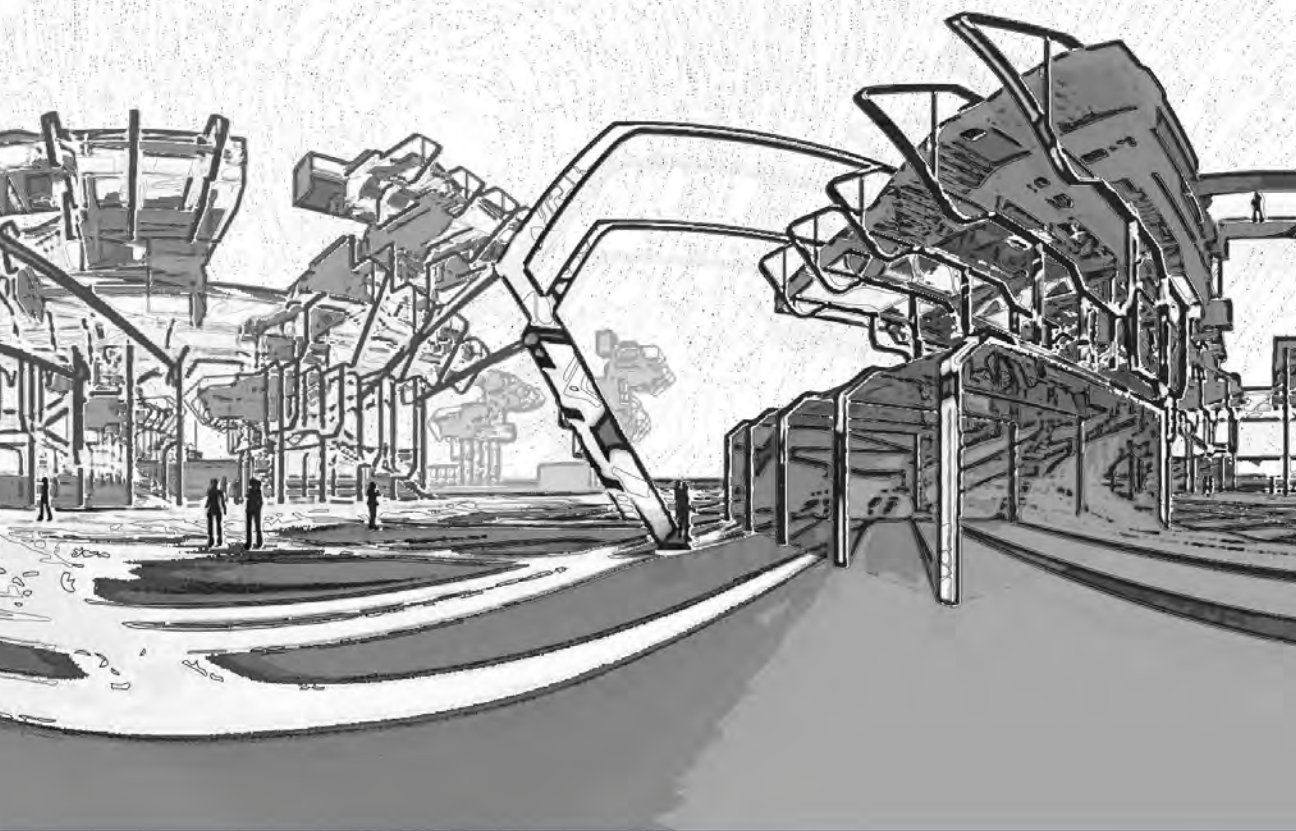


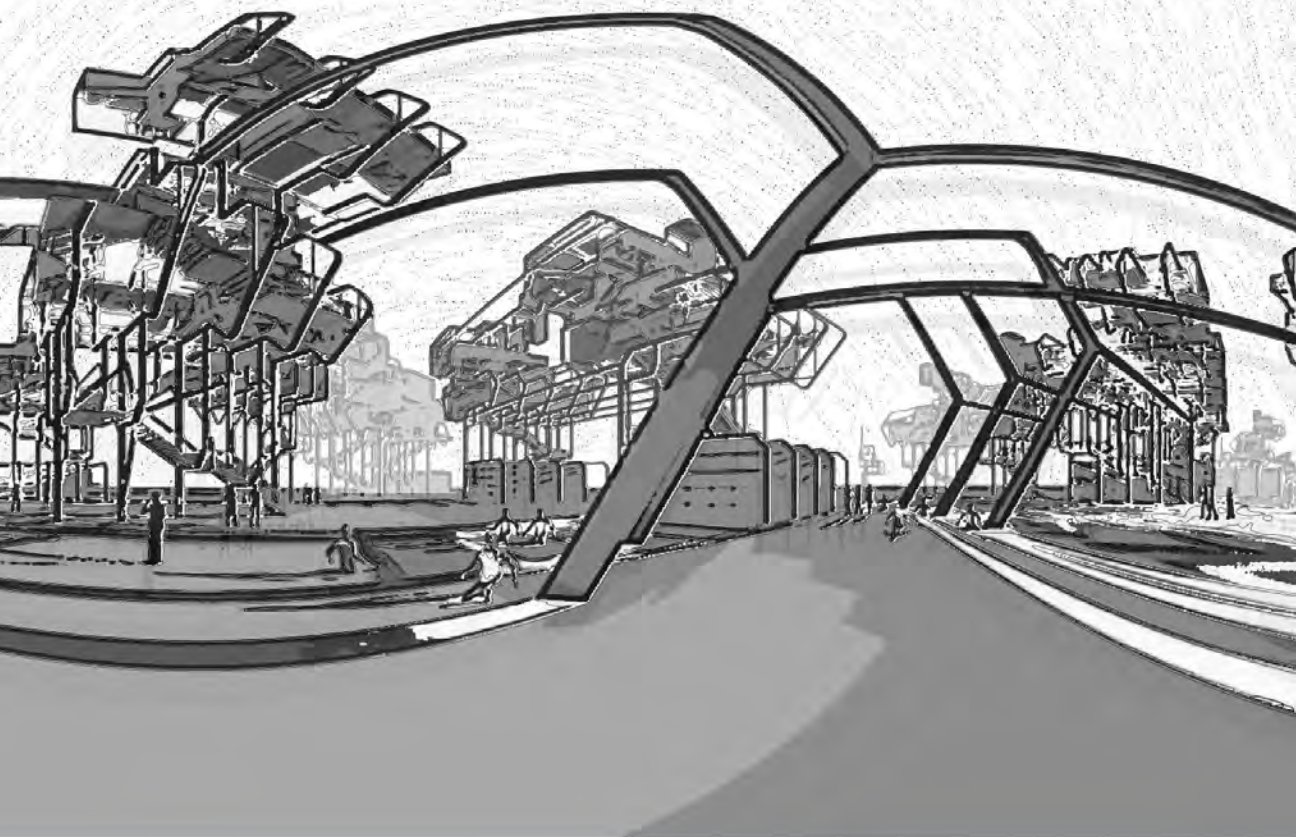
AGRI-DELIC SPECTRUMS

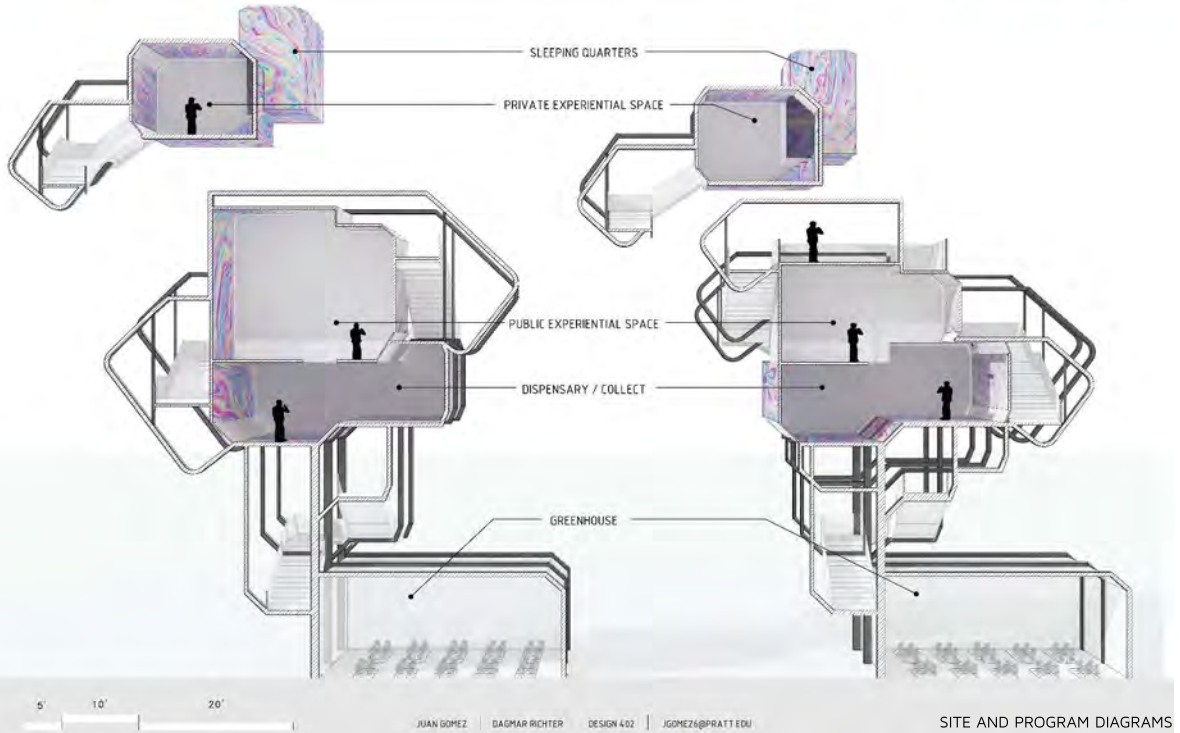
PROF: DAGMAR RICHTER

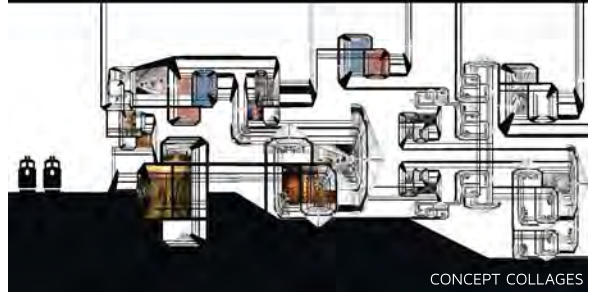
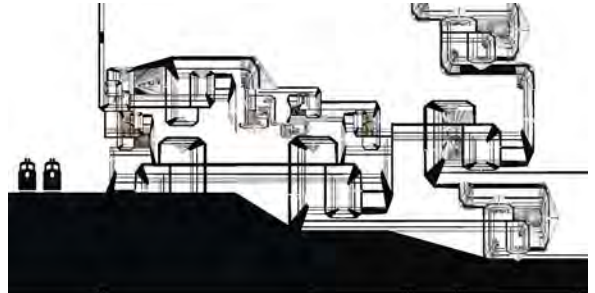
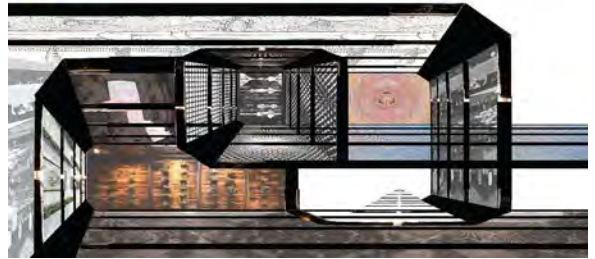
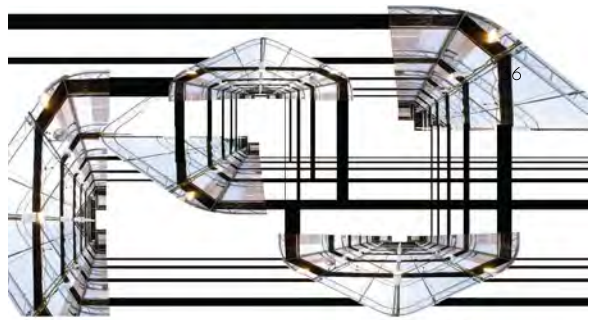
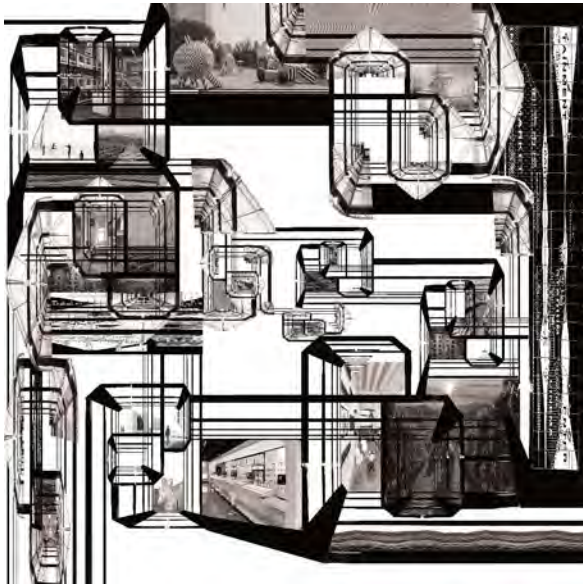
SPRING 2019

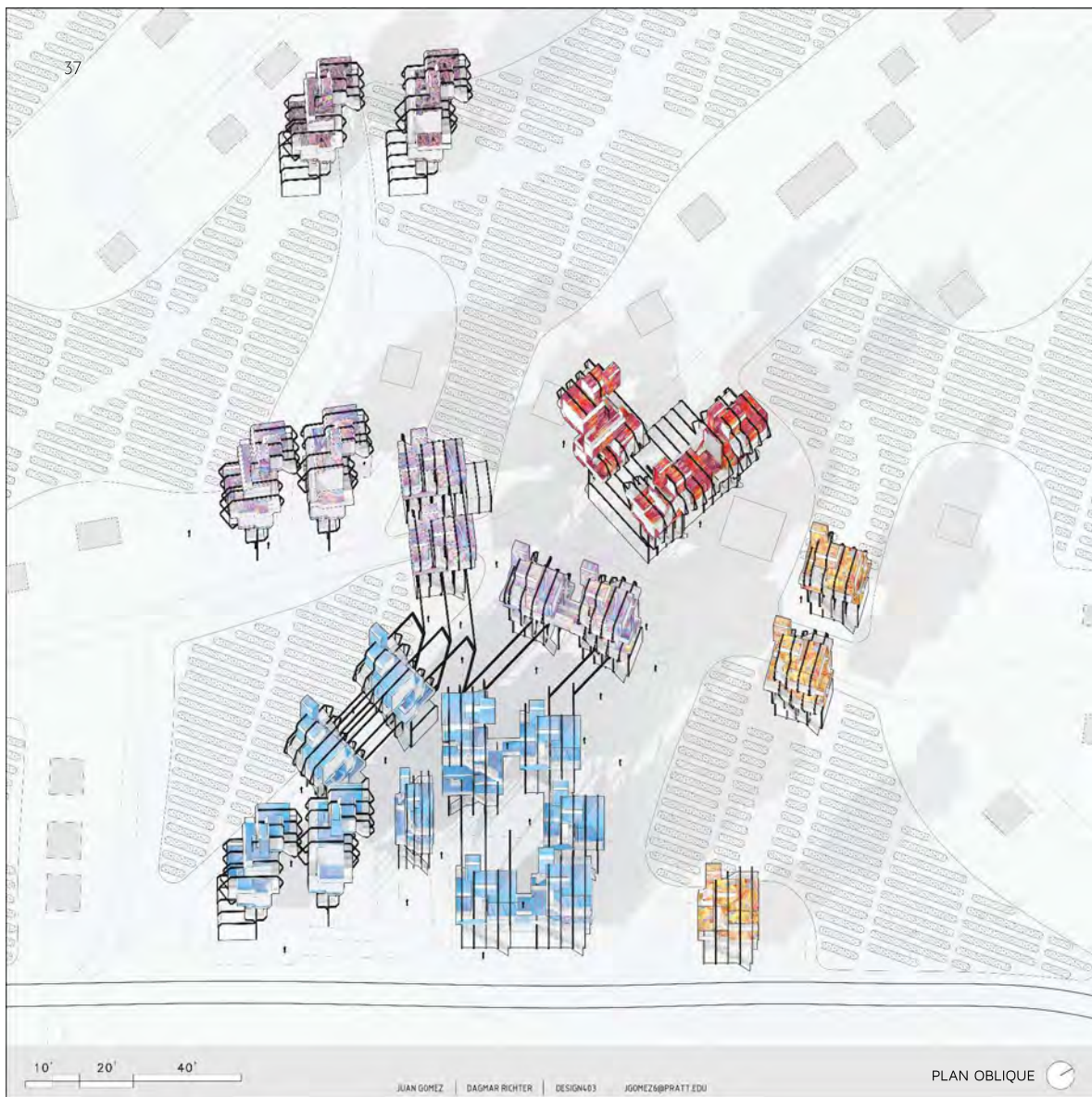
The legalization of marijuana is approaching us and the need for proper cultivation is emerging. The location of Cold Spring Harbor is a favorable place due to its abundance of vegetation and its semi-rural suburban nature. The houses in the neighborhood stand alone and the lack of density lends itself to the permeation of the agriculture and system. The process collages show the intention of the embedded experience of cultivation and consumption. It experiments with the grouping of the different steps in the process that is growing the product and providing it to the consumer as well as providing a space to experience the sensation that is safe but also stimulating. The architecture, is a manipulation and expansion of the traditional greenhouse. The architecture attempts to serve as an added dimension to the psychedelic experience while also connecting the different cultivation zones. The spaces themselves become unburdened of circulation by having it wrap the spaces on the outside to provide a physically elevated wandering outdoor experience. The repetition and layering of the structural members and the use of glass throughout most of the envelope would create this blurring/double vision sensation that will add to the experience. The architecture starts with greenhouses and the spaces get increasingly private the higher they are starting with catalogs and sale areas above the greenhouse and small private housing and lounge areas above that.





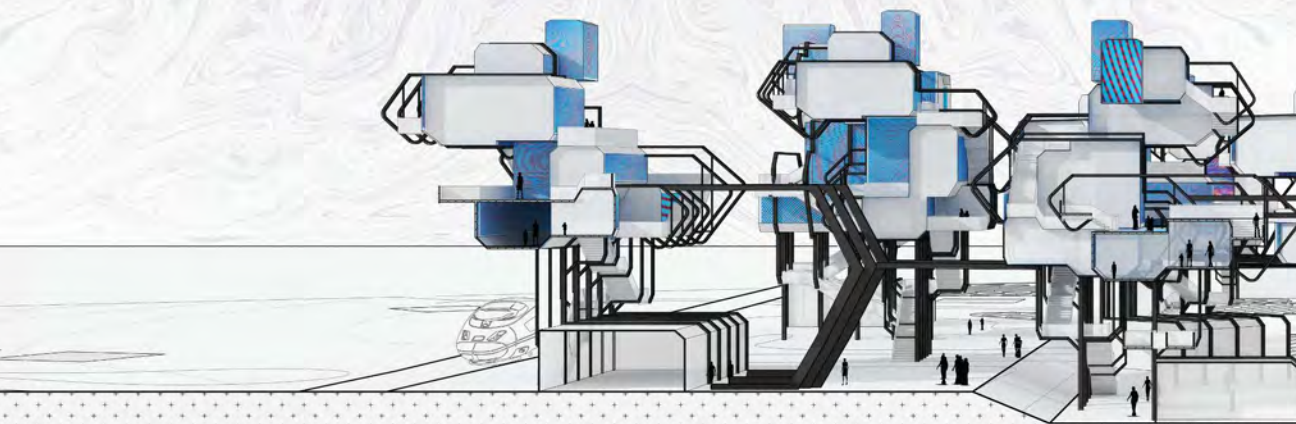






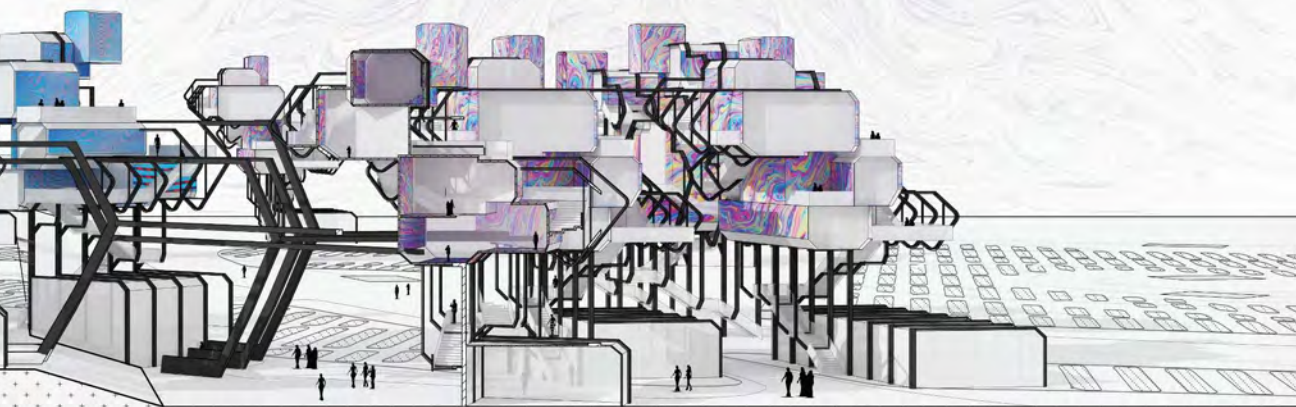


100' 200' 400'

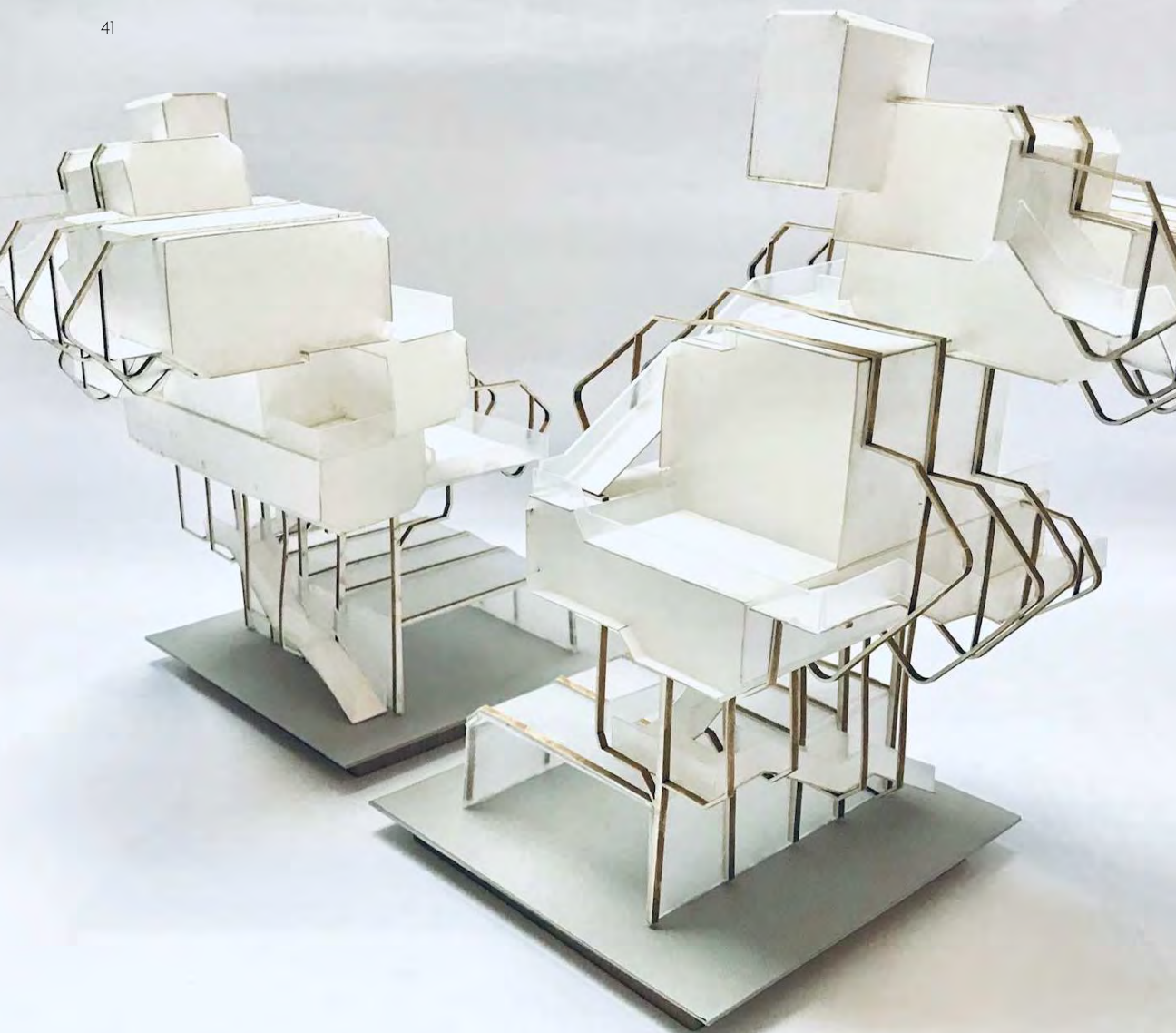


5' 10' 20'

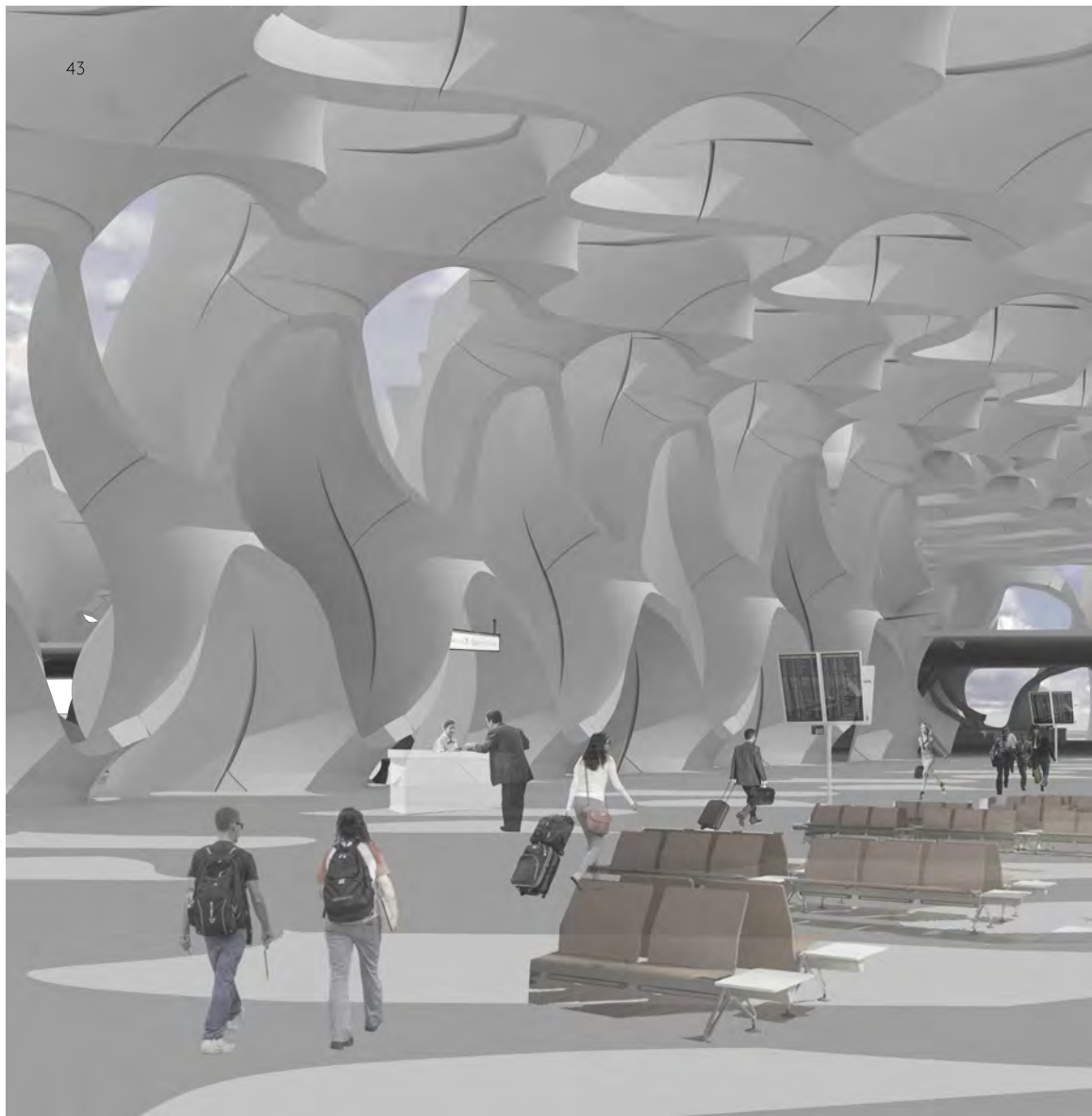




SECTION



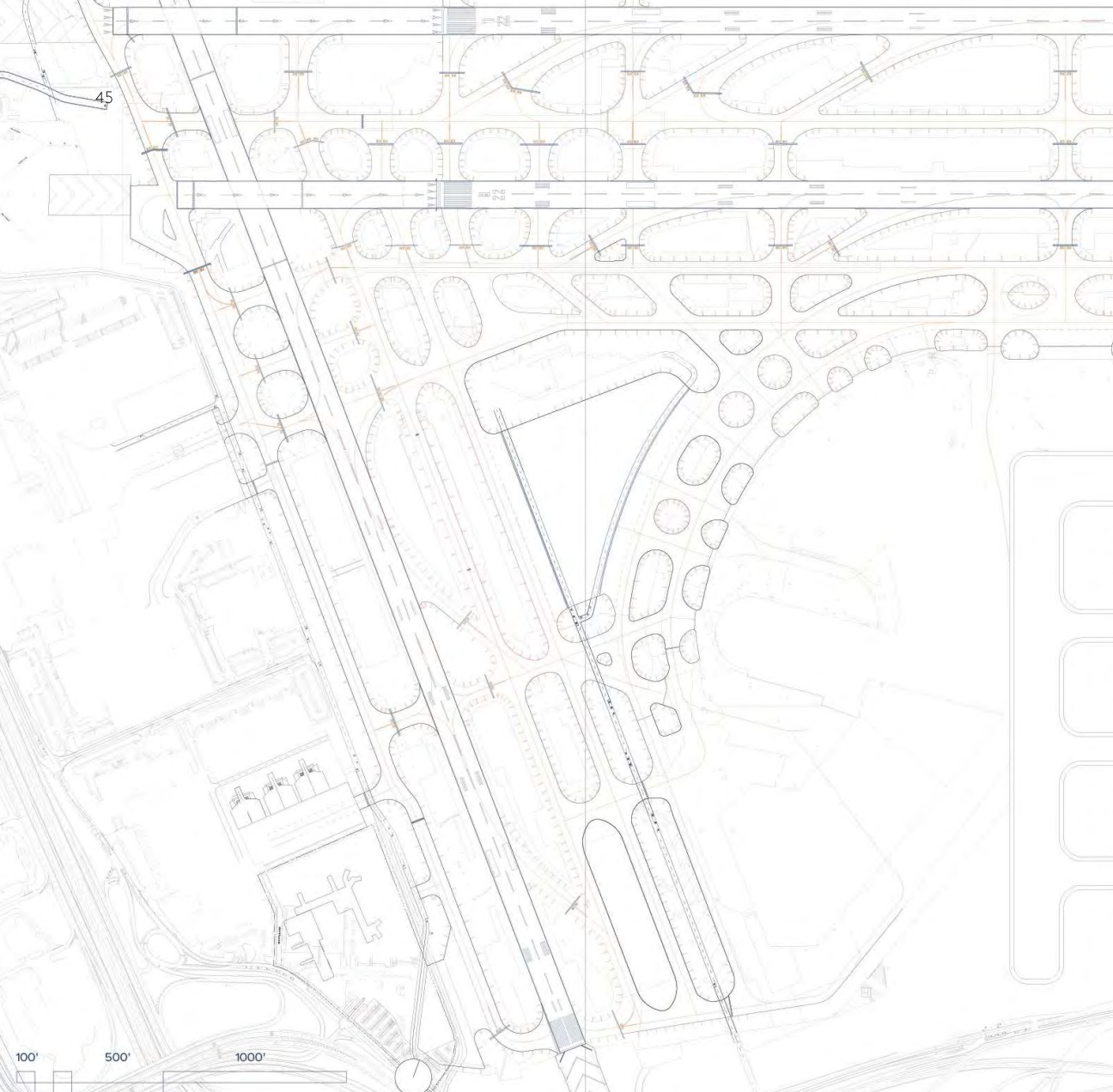




PROGRAMMED DELAY TERMINAL

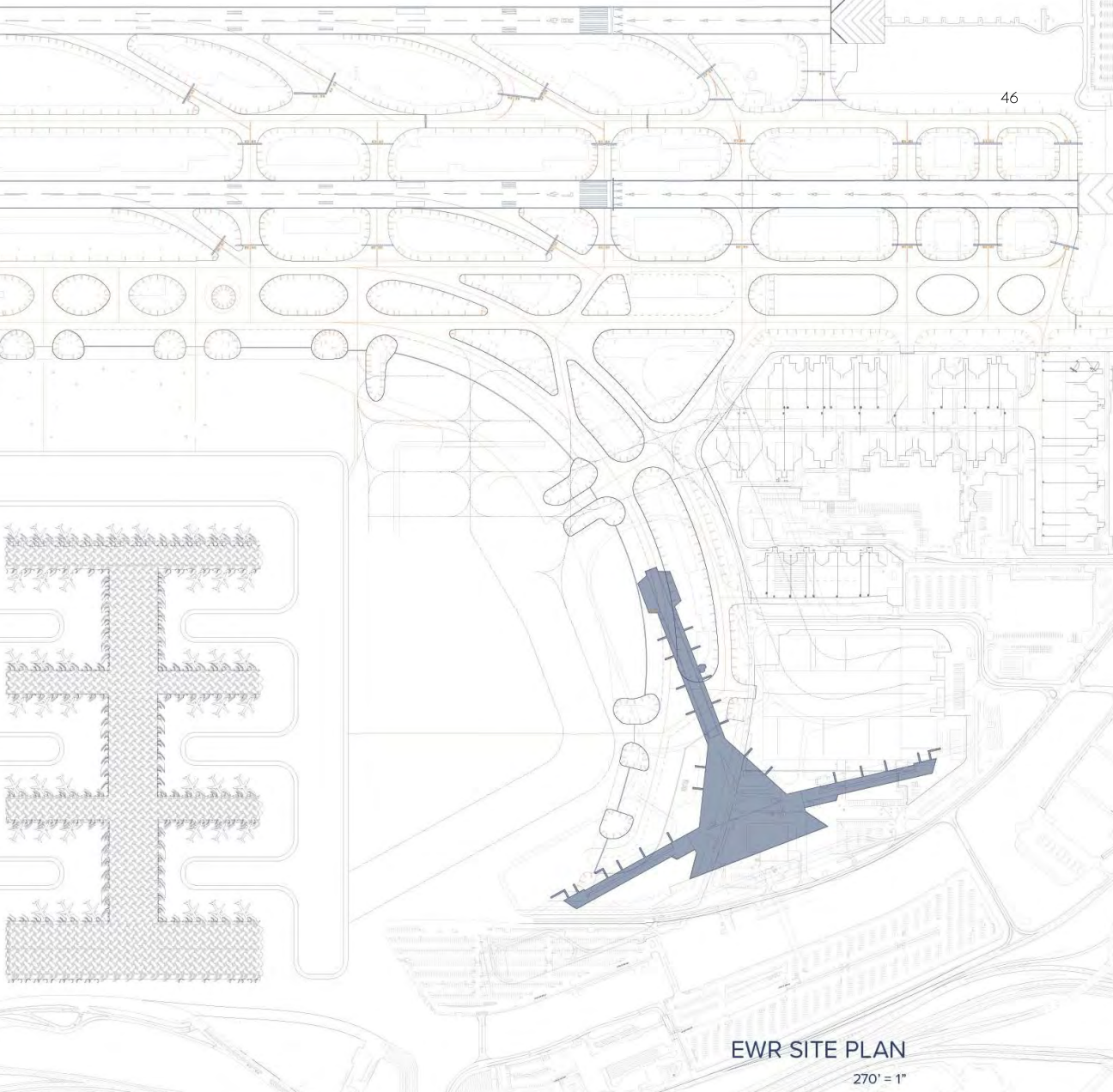
PROF: AJMAL AQTASH & ENRIQUE LIMON
FALL 2018

The terminal Programmed Delay at Newark Liberty International Airport fills the gap in the traditional airport experience. The streamlined nature of airport flows focuses on passenger efficiency and getting to the destination on time but does little to alleviate the waiting times that grow as the day passes by. Programmed Delay adds to the recreational programs that already exist in the airport by introducing something that activates the passengers that would otherwise pass the time isolated in their electronics. It introduces a sports and recreational facility into the airport to encourage activity and interaction between the passengers of Newark. The nature of this program has an active as well as a passive component to it. People can plan or perform but can also sit and observe if they can't be active. The program gives people a way to make their time of delay useful and enjoyable.



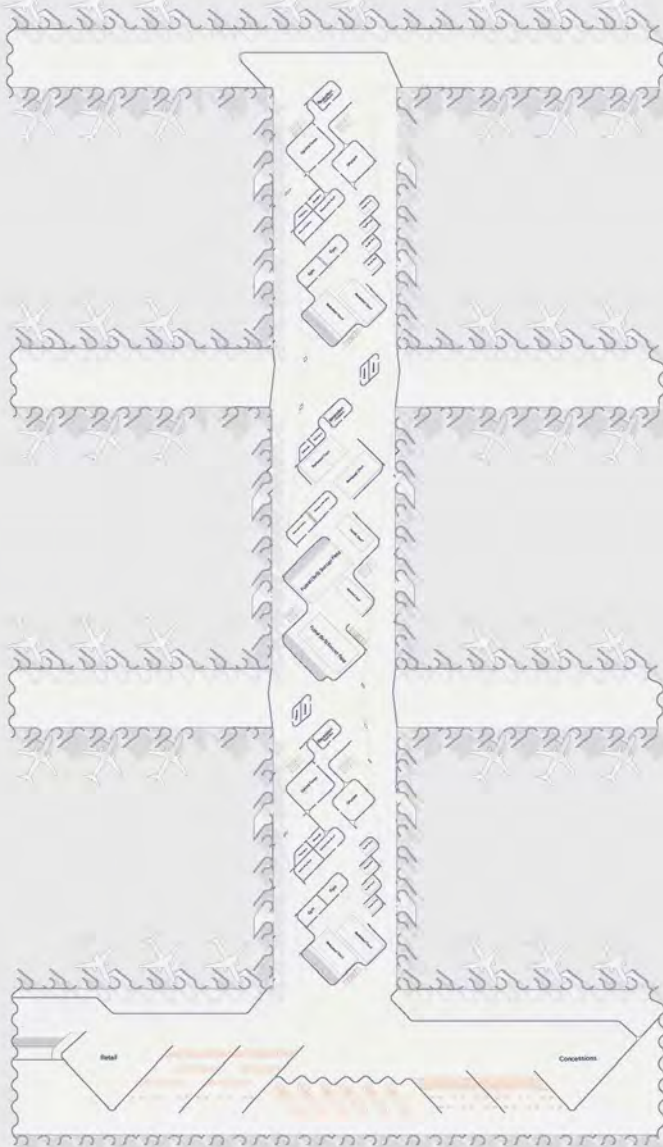
45

100' 500' 1000'



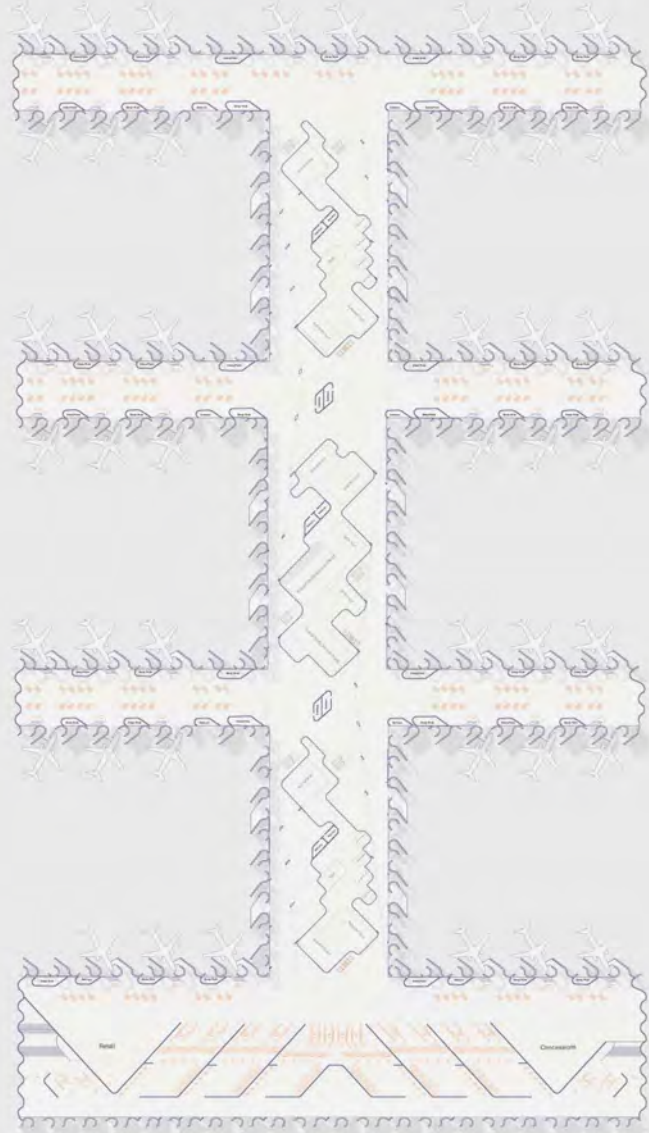
EWR SITE PLAN

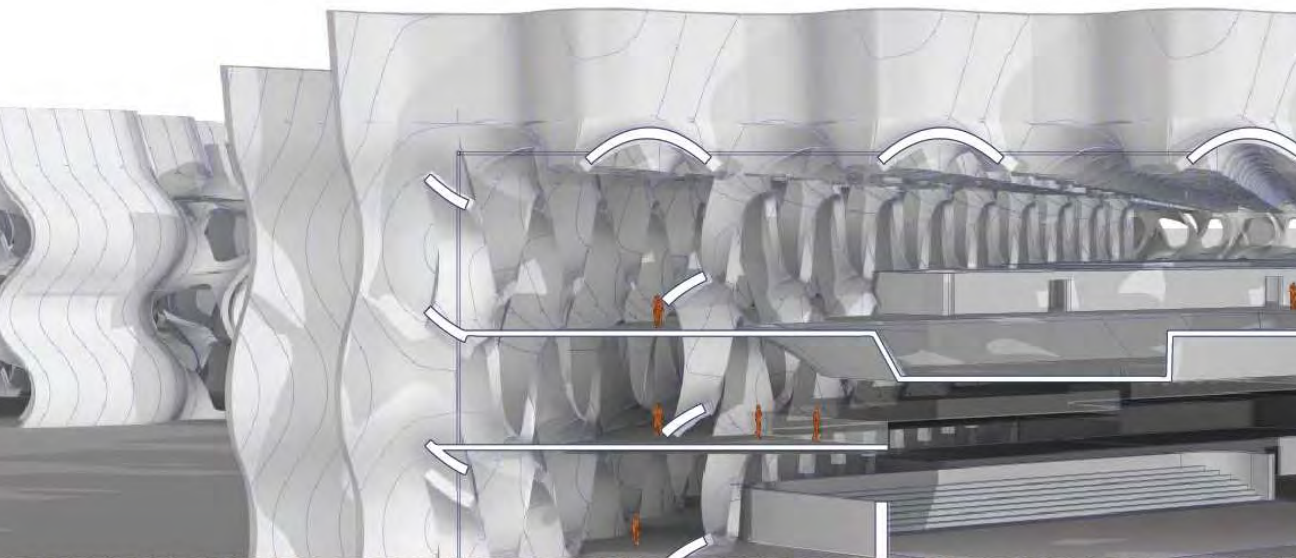
270' = 1"

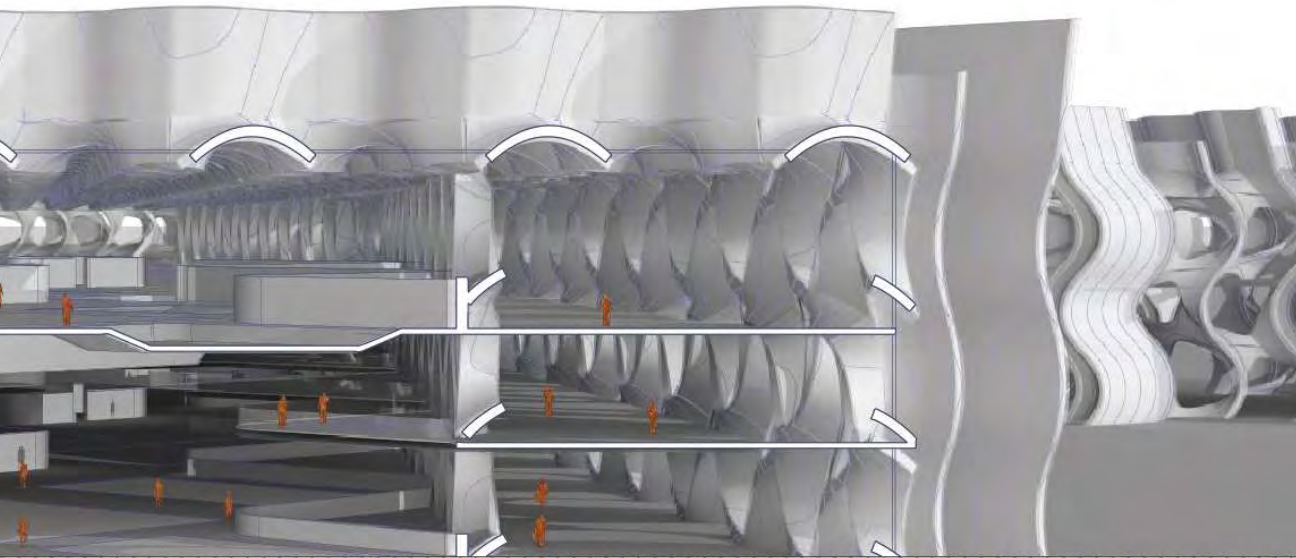


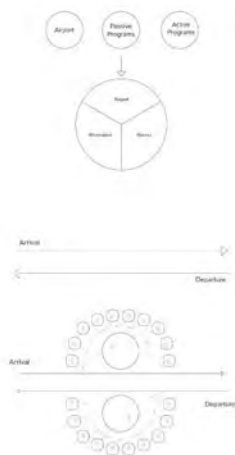
EWR ARRIVAL PLAN

100' = 1" 0





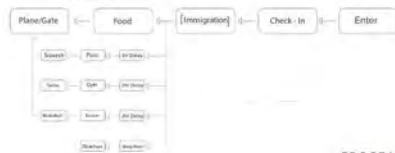


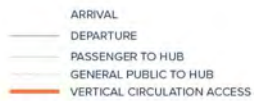
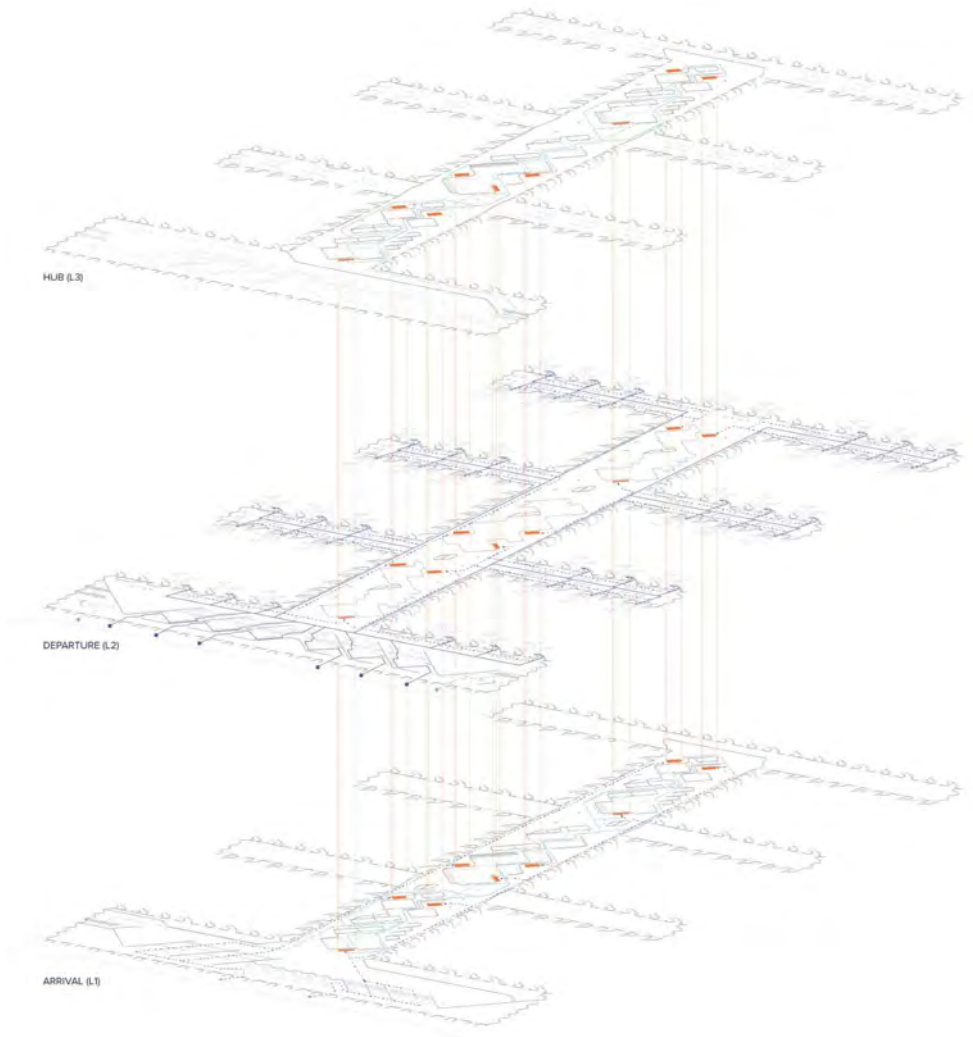


Arrival

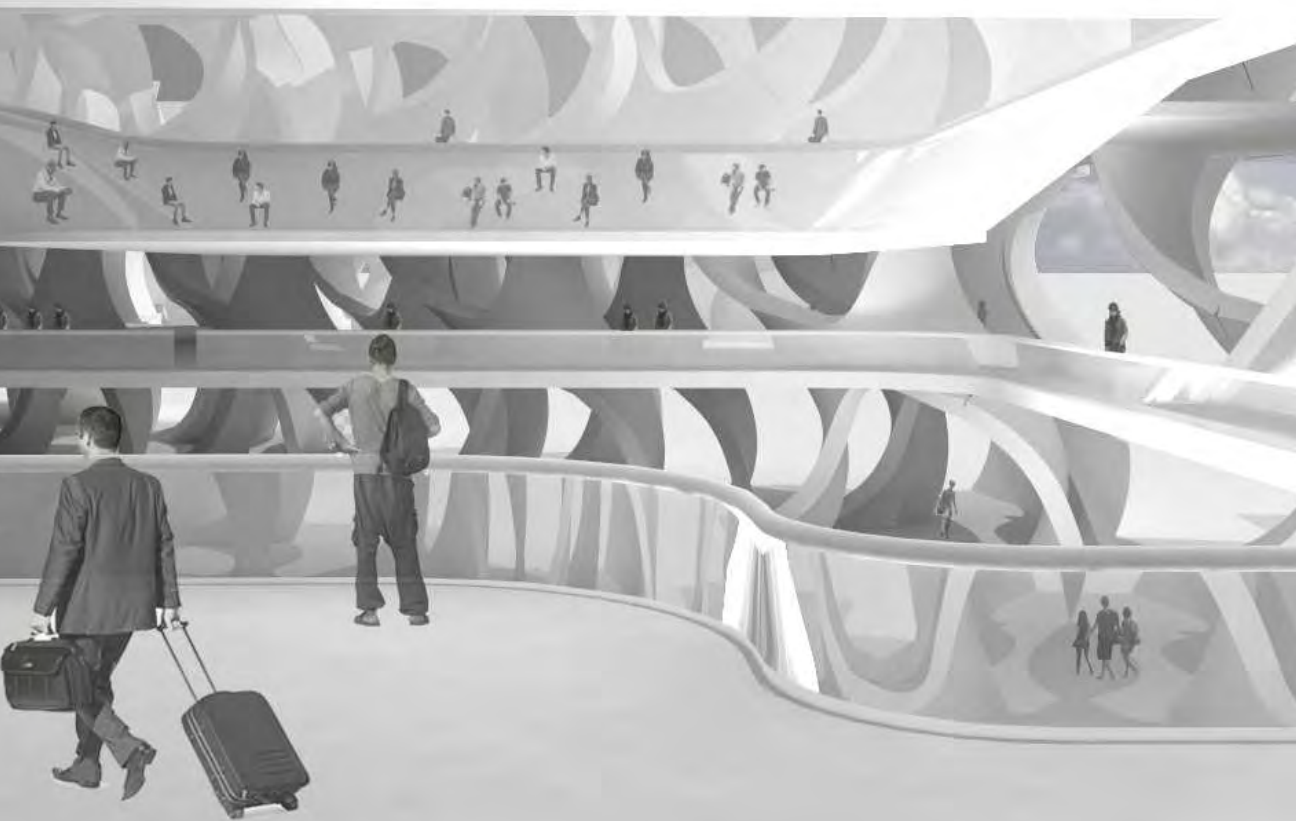


Departure





CIRCULATION DIAGRAM







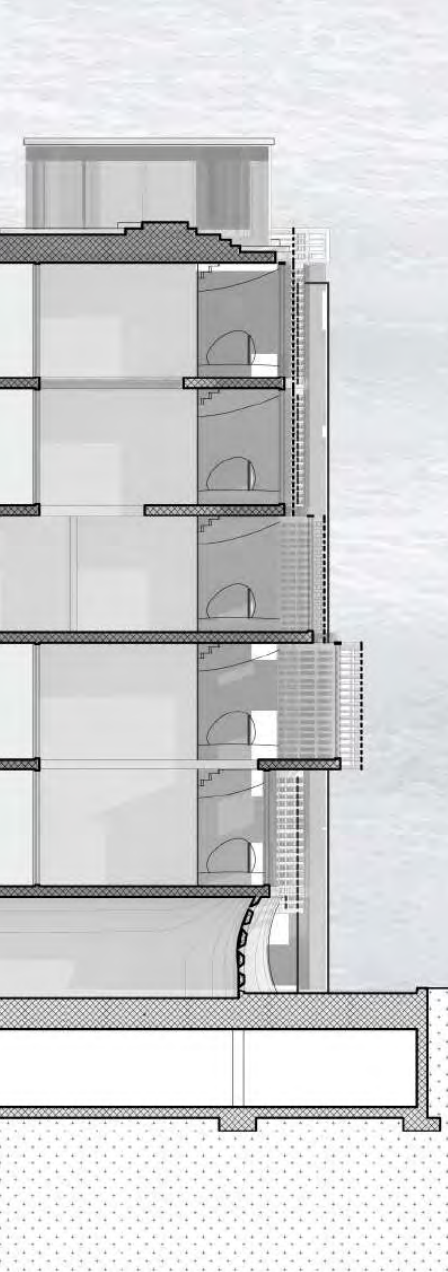
FORM-SHIFT DORMITORY

PROF: PHILIPPE BAUMANN

FALL 2017

The goal of the semester was to design a dormitory for Saint Francis College in Brooklyn. The design of the library attempts to mimic the ever changing edge condition of new York in its dorm room layout by having the rooms shift in plan according to the existing context. The building is lifted off the ground to create a terraced terrain open to the general public as well as the students. The steps provide a platform for the feet of the building which apart from holding up the building, also house the lobby, gym, and convenience store.

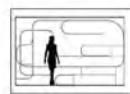
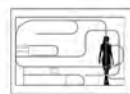


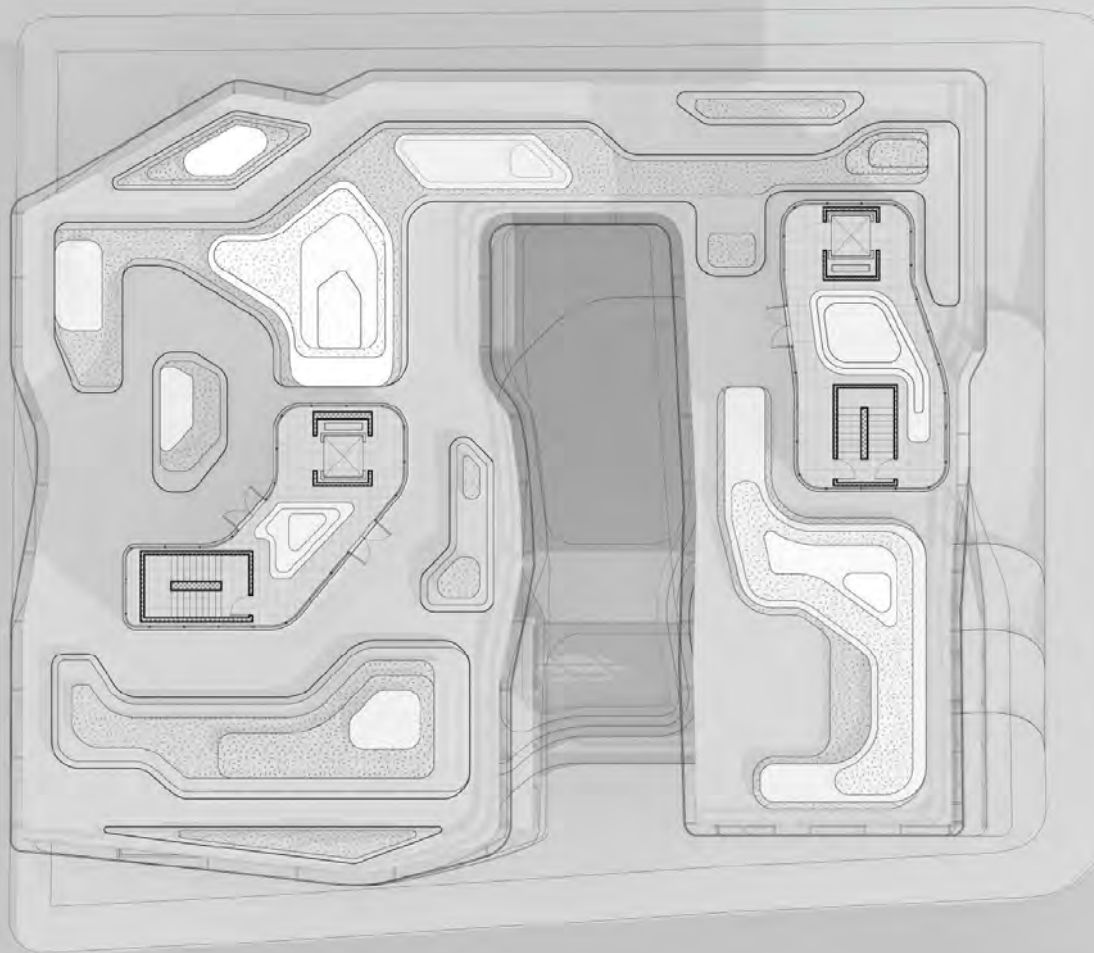


TYPE A

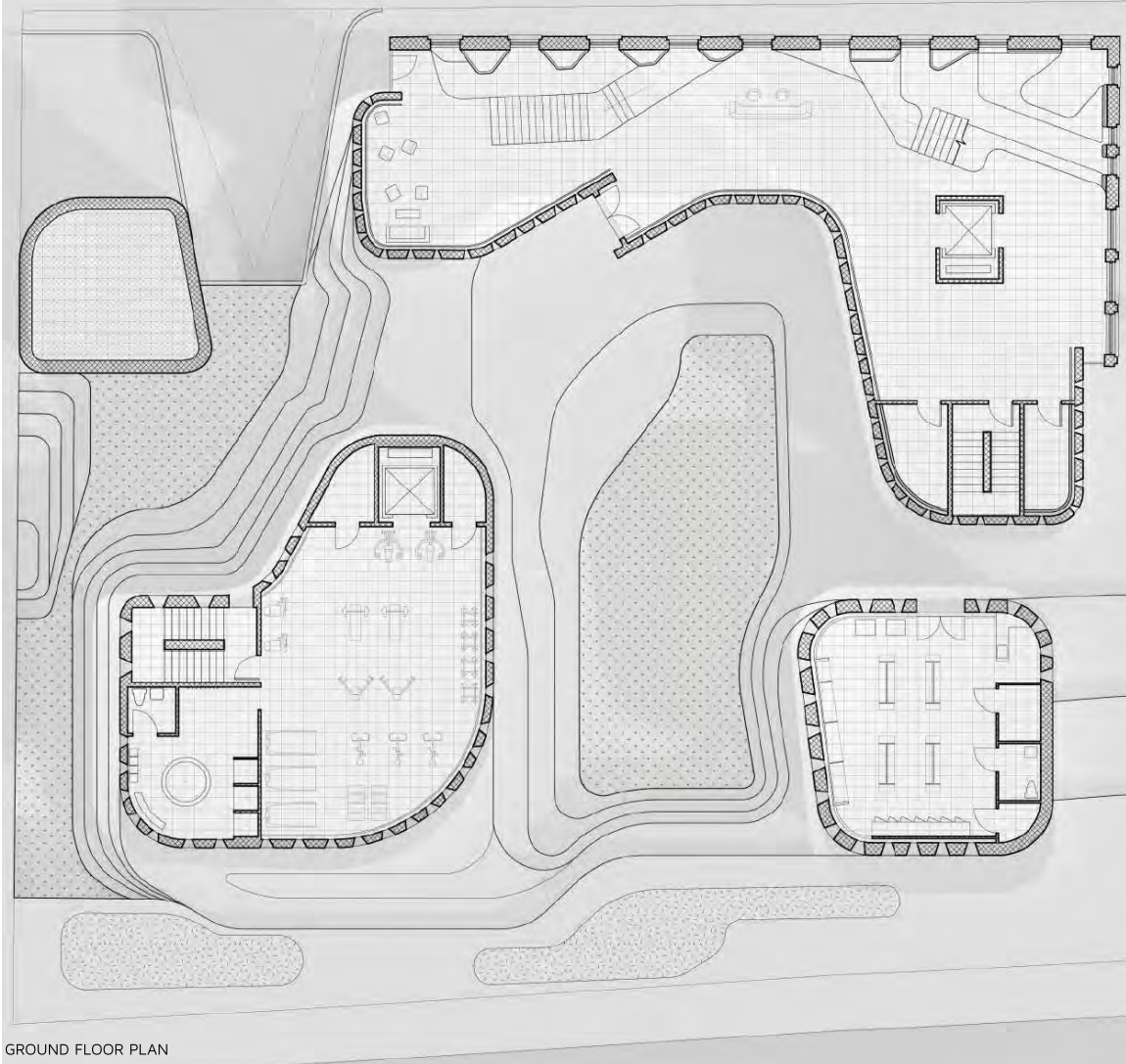


TYPE B

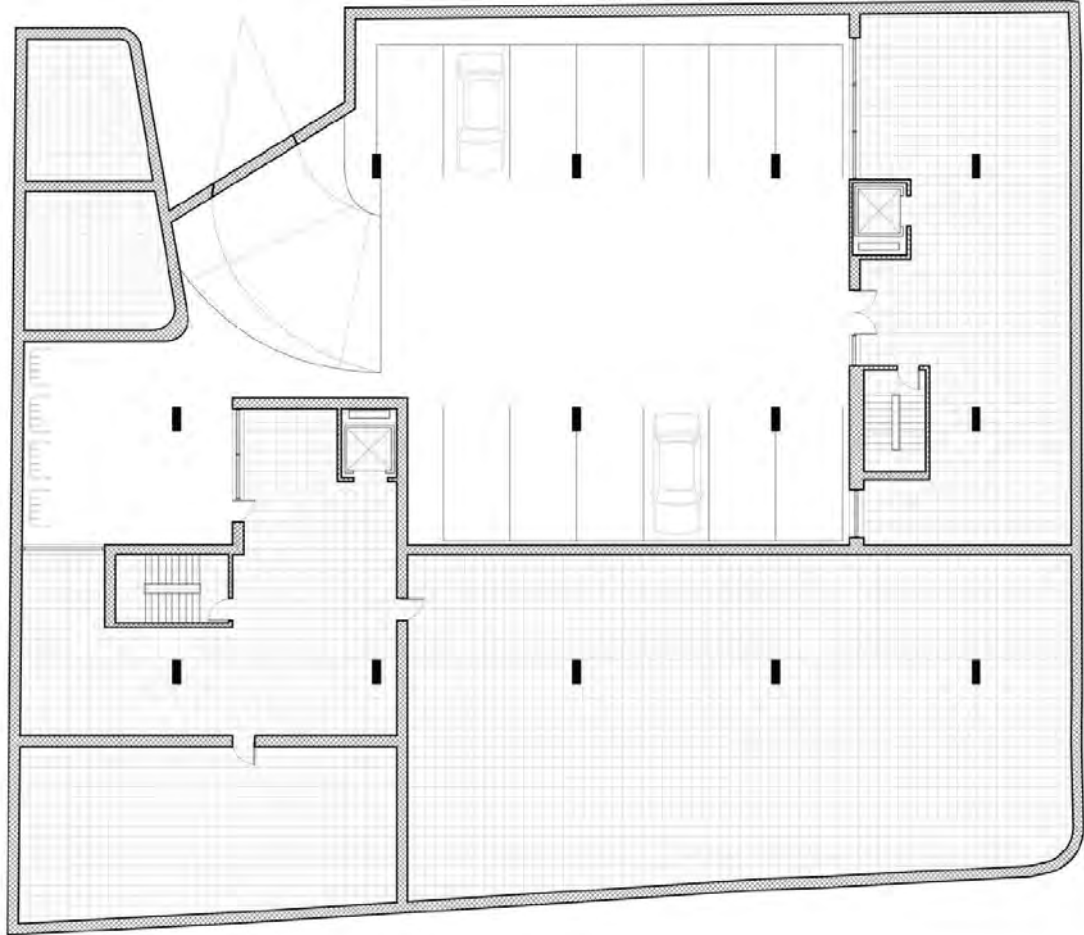






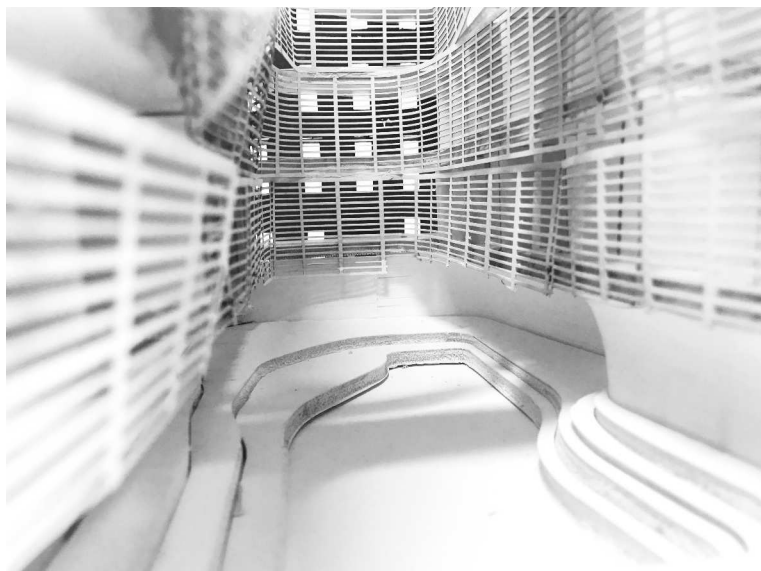
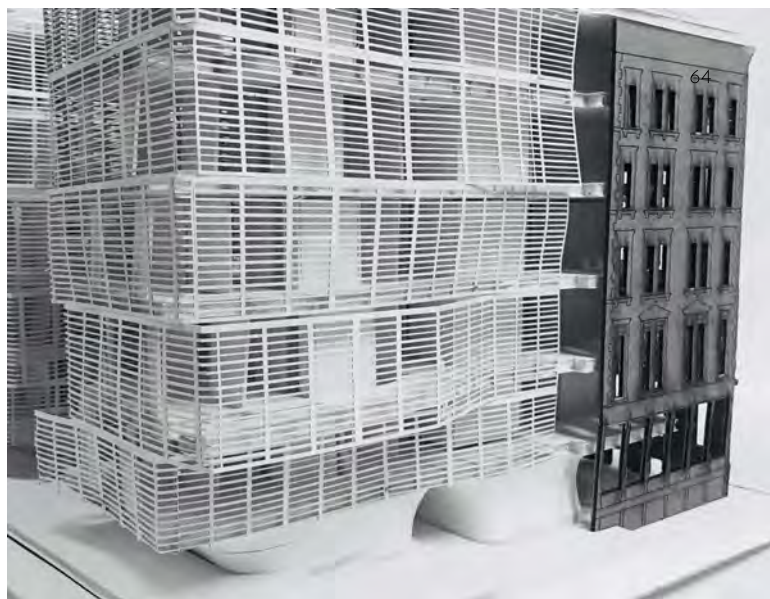


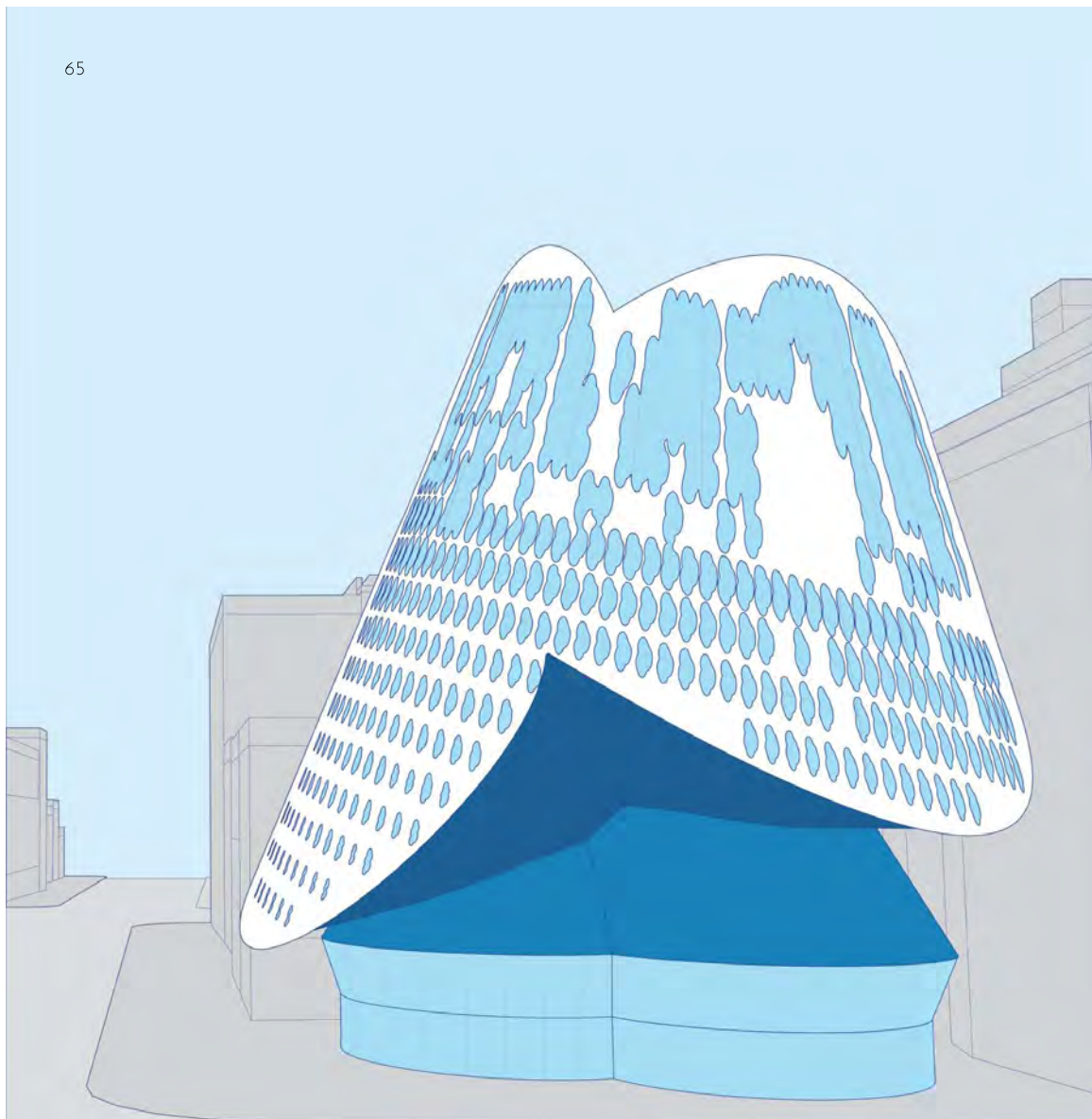
GROUND FLOOR PLAN



CELLAR FLOOR PLAN





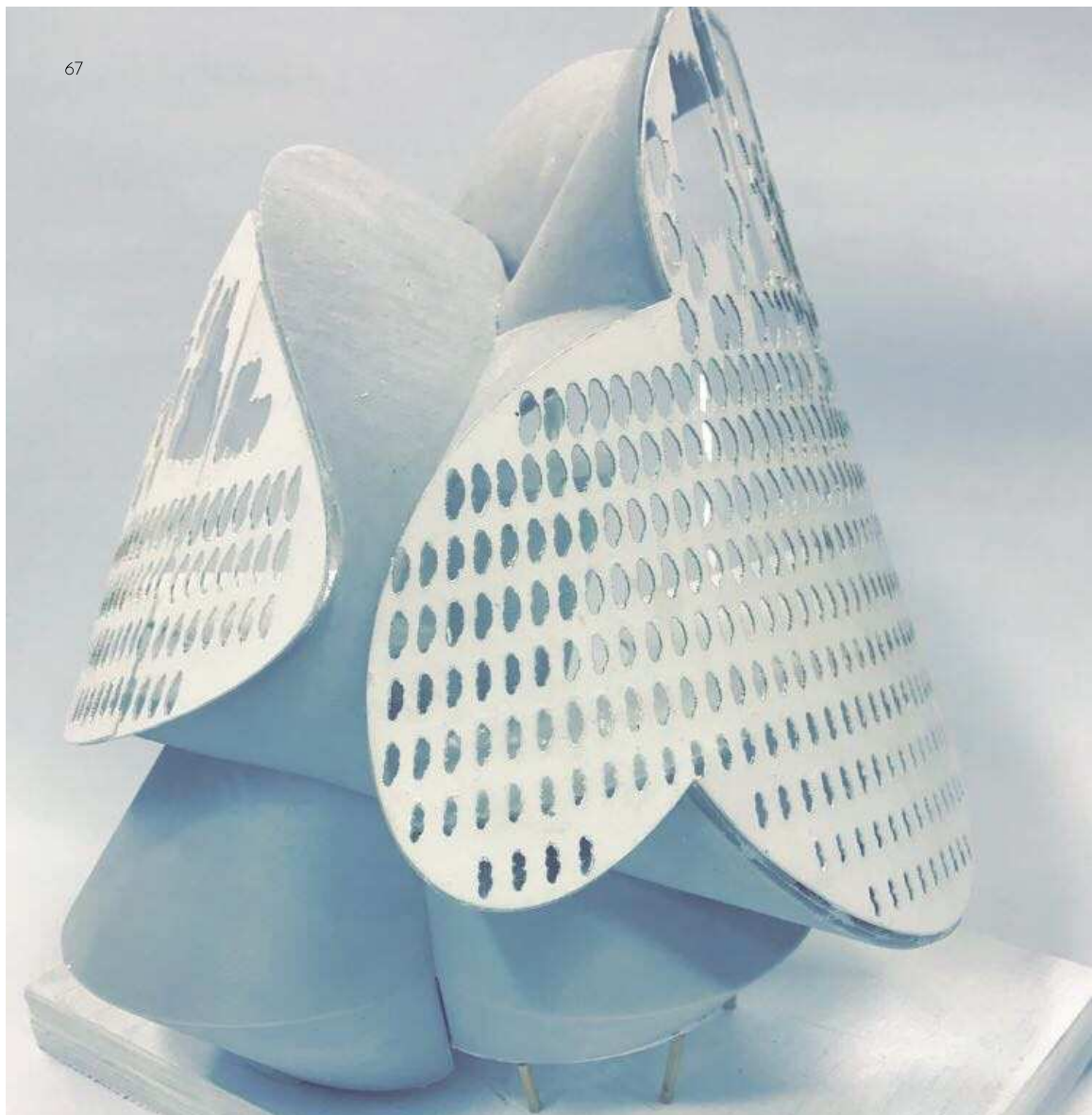


GRAPH-JECTS LIBRARY

PROF: JONATHAN SCELSA

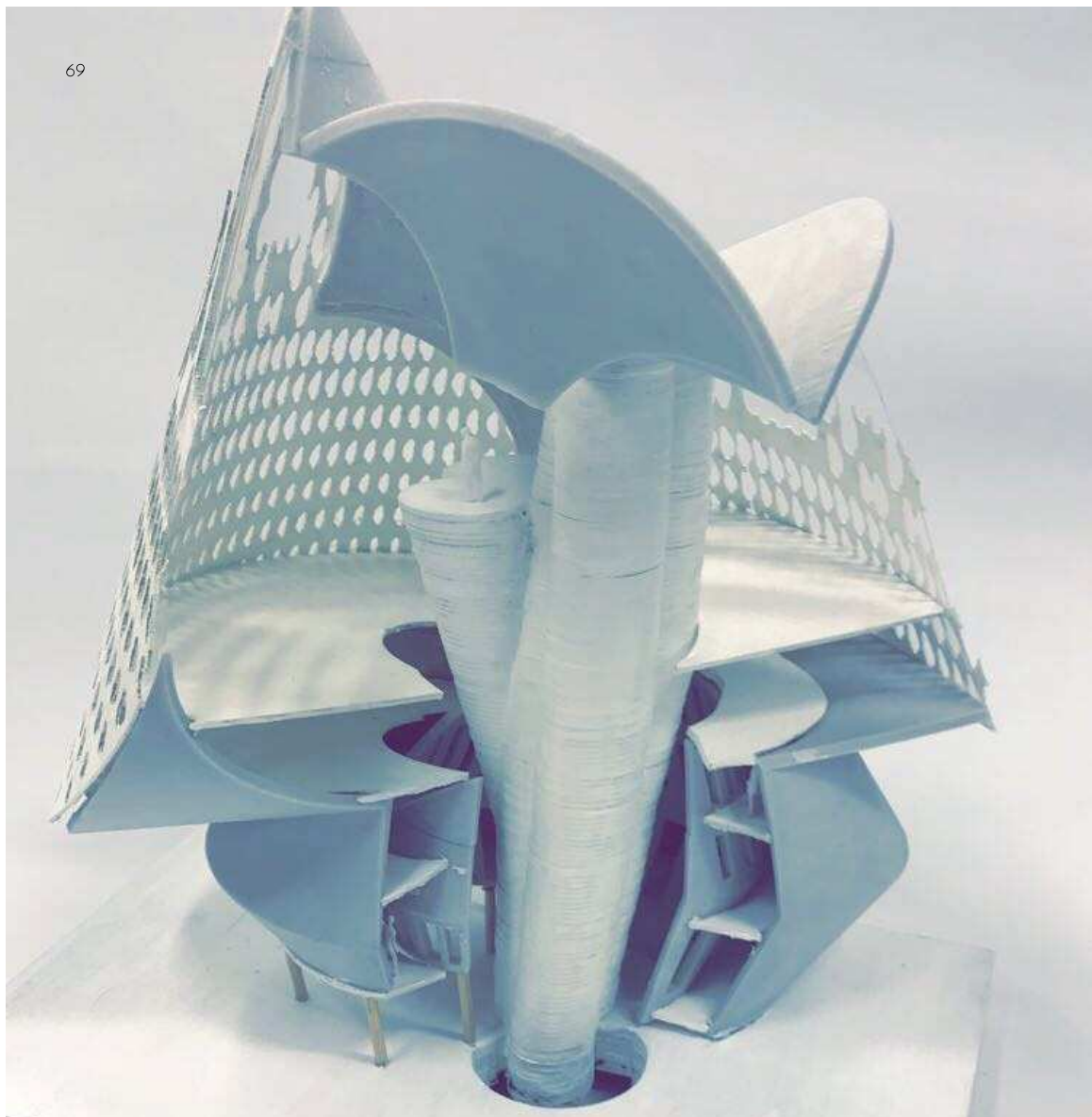
SPRING 2017

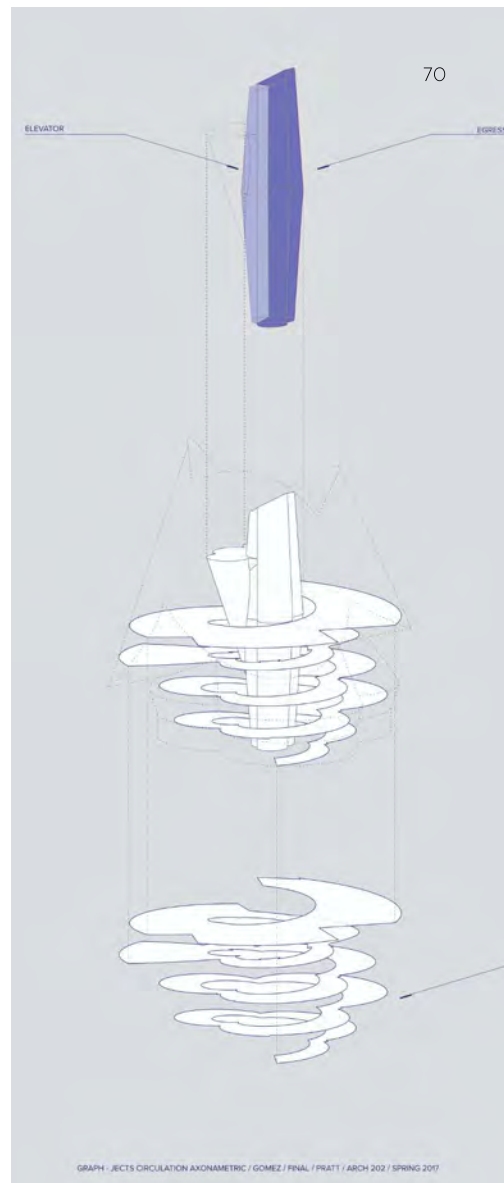
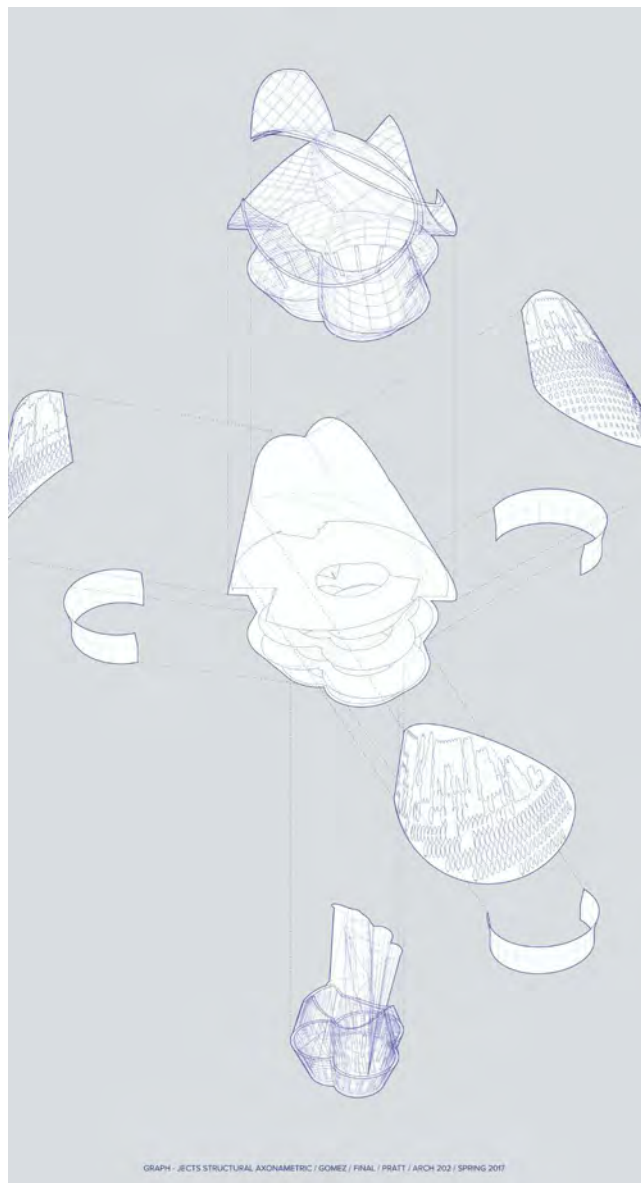
The goal of the semester was to design a library located in Chinatown. The Library is designed to achieve topological and programmatic continuity. The form, is generated by a collision of cones that are shaped by the urban context. The desire to unify the two streets gives the form its orientation and the apertures generated reflect both the continuity and unification by creating a continuous vantage point. Within, circulation is achieved via a continuous ramp that provides access to book stacks in the lower level and then expands to become the large reading space at the upper level.

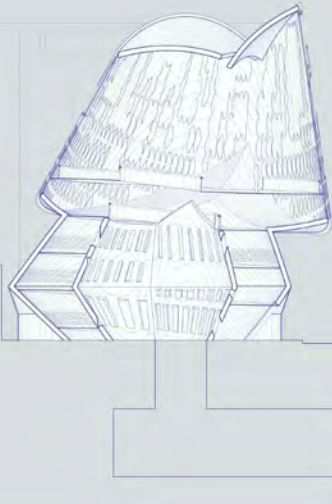
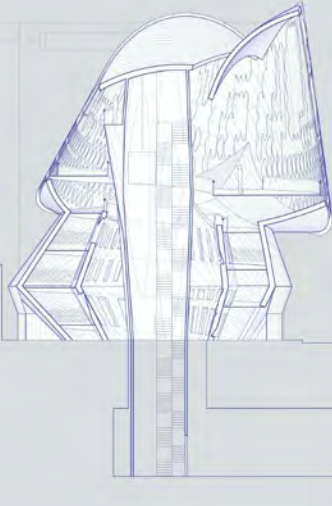


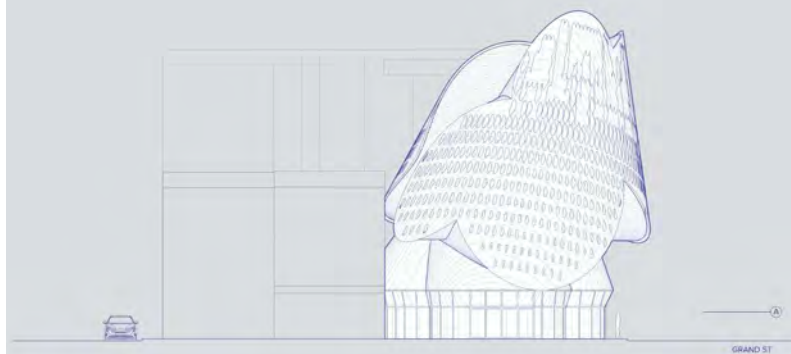
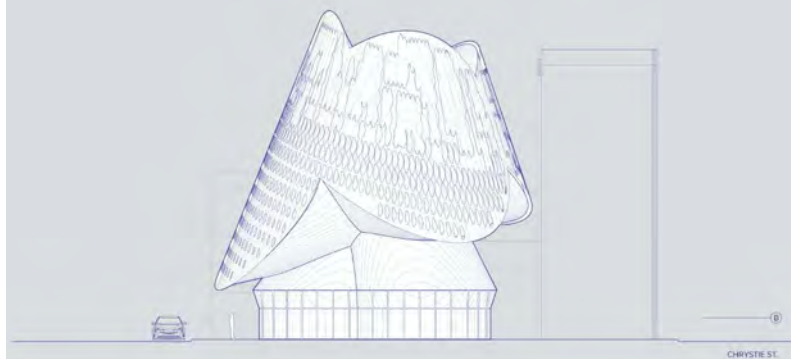


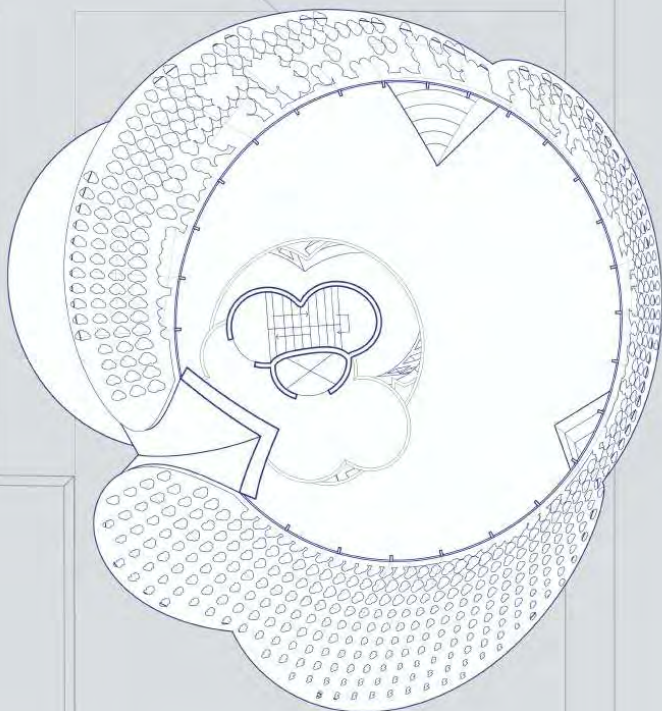
The form investigation was done through an intersection of traditional and skewed cones to achieve a form that was consistent with the concept of continuity in mind. Circulation within the form is achieved through a large ramp that later expands into large public reading areas. The core in the center provides structural support as well as the location of the elevator and egress stairs. Structurally, the building has an endo and exoskeleton along with the central shaft that holds up the glazing and light scoops located at the top of the building.







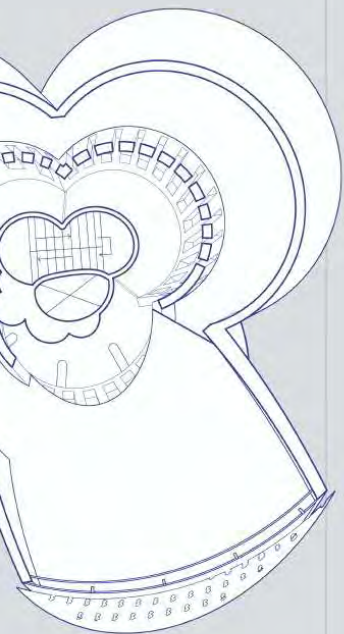




GRAND ST

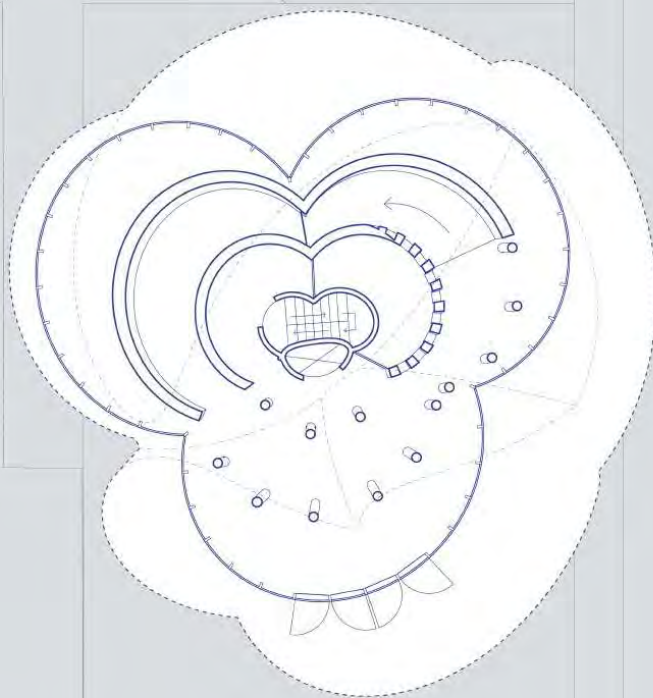


GRAND ST



CHRISTIE ST

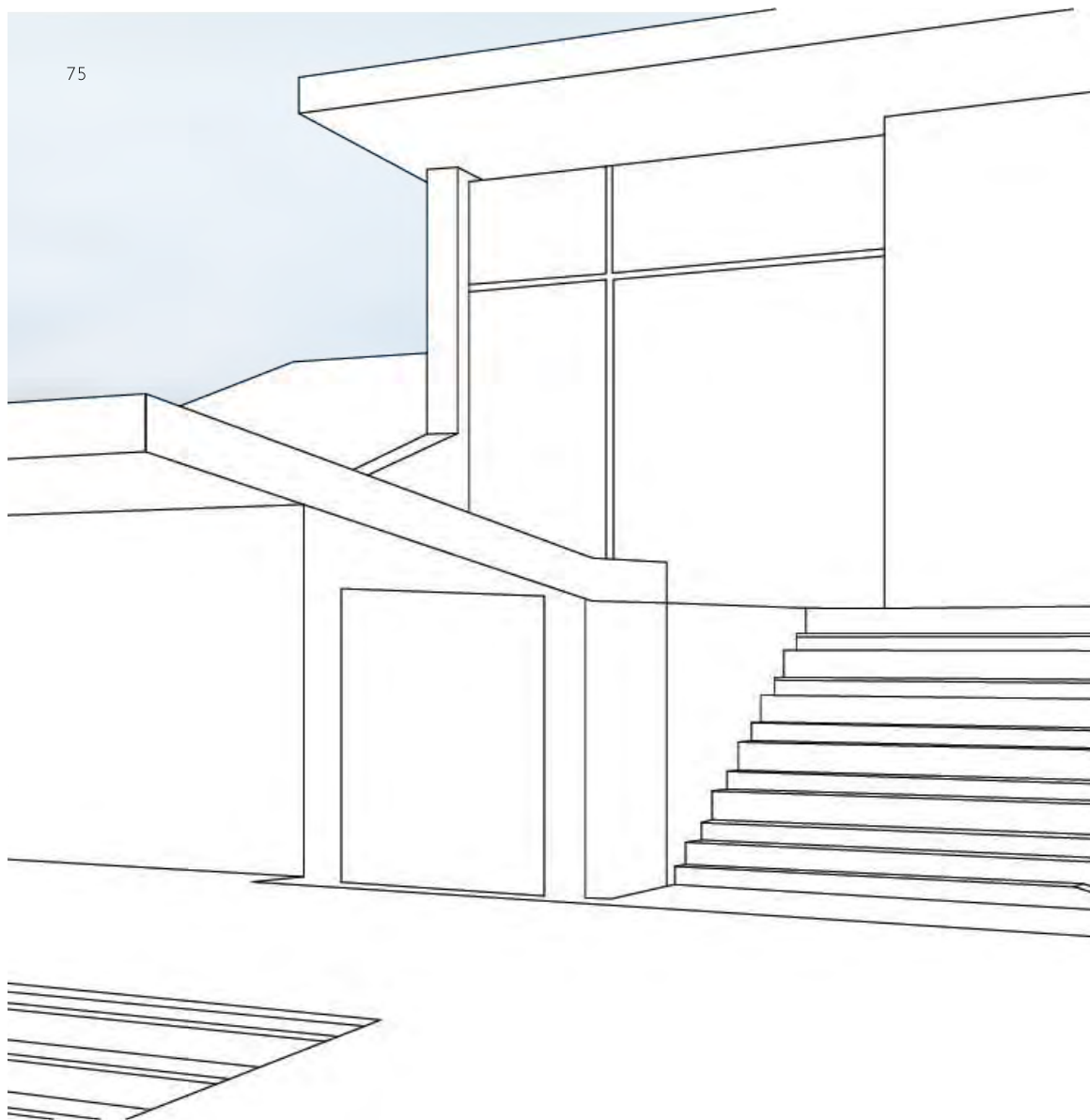
GRAND ST



74

CHRISTIE ST

10'

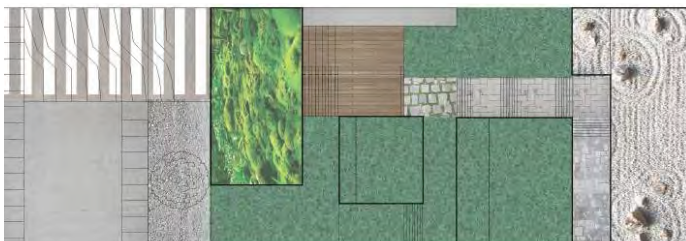
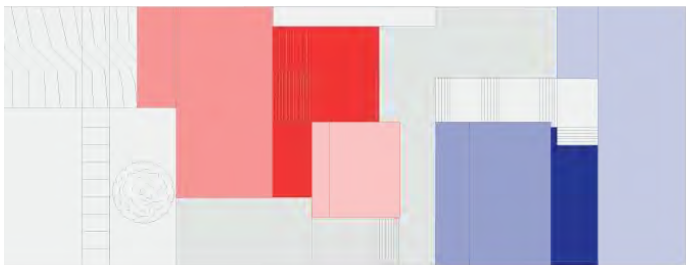


HORIZON KINDERGARTEN

PROF: ANNE NIXON

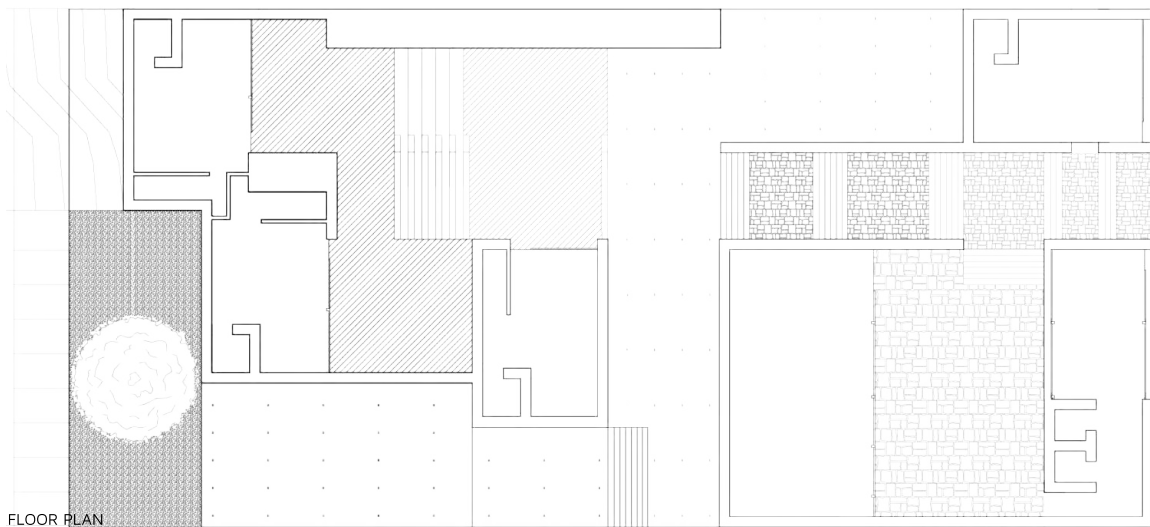
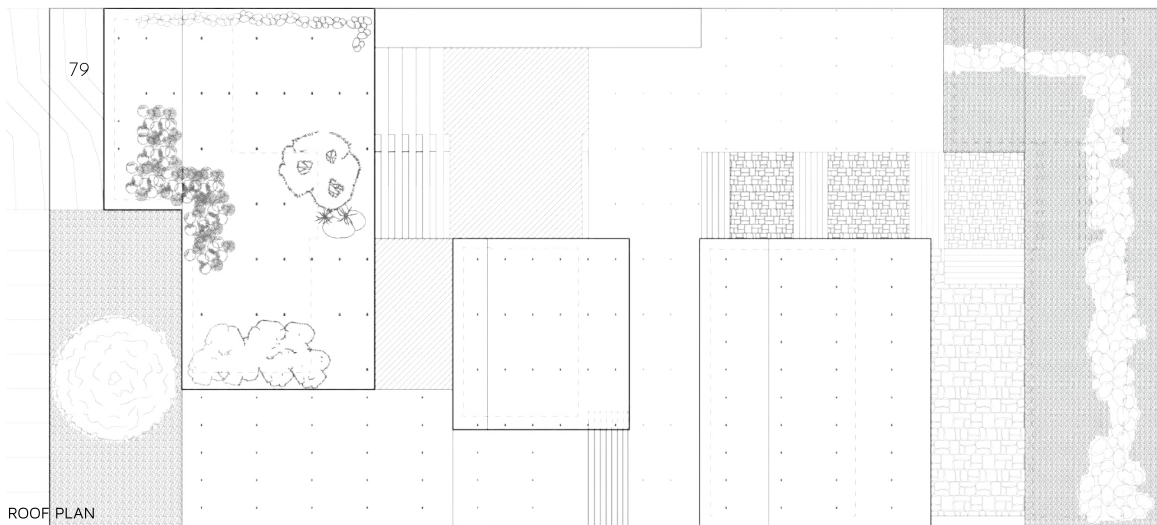
FALL 2016

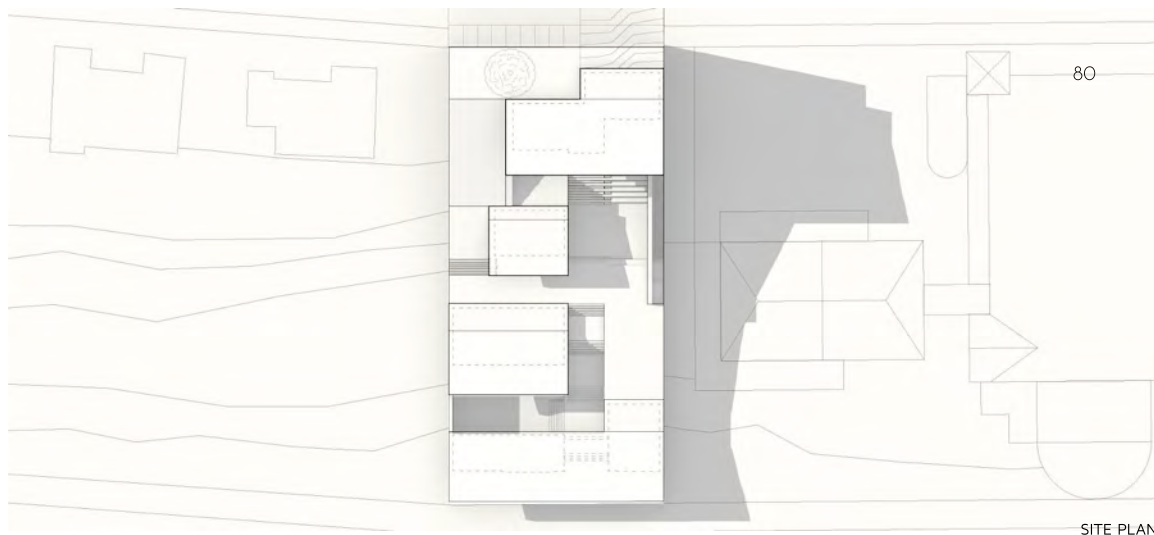
The goal of the semester was to design a kindergarten in Staten Island. Due to the the slope of the site and the desire to give the building use throughout the entire year, the school was designed as a school and park hybrid. The roofs of the school buildings peeled off the ground to create an extension of the green space and to not loose any surface area for leisure to construction. Two distinct approaches to the site are present. On higher ground, the entrance to the park experience and on the lower side, the entrance to the school.

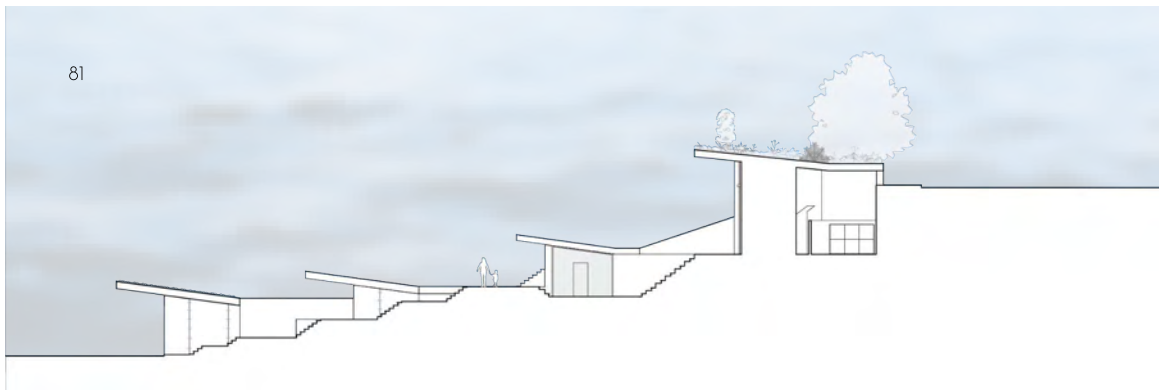


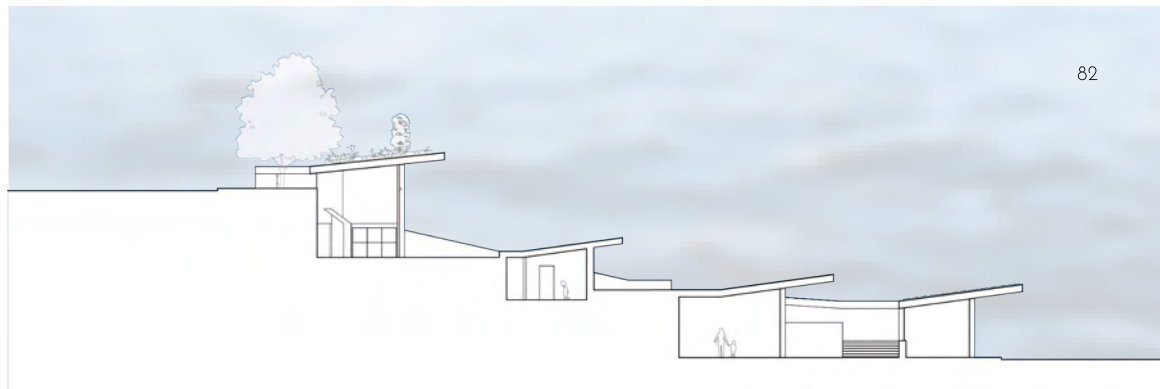
The heights of the immediate and surrounding site were mapped, darker for higher ground. Then divided between vegetation (blue) and concrete (gray) as well as private (red) and public (blue). The site was then mapped based on materiality











JUAN GOMEZ



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SOFTWARE SKILLS

Rhinoceros
Illustrator
Photoshop
InDesign
Makerbot 3D Printing
Microsoft Office
AutoCAD
Revit
Grasshopper
Archicad
Slicer for Fusion 360
Prezi
Model Making

EXPERIENCE

RESEARCH ASSISTANT

August 2017-Present

An investigation into architectural precedents that illusionary spatial characteristics. Projects with 2D (fresco) and 3D (spatial) characteristics that are used to trick the eye at a specific perspective into seeing more than what's actually there.

DIGITAL FUTURES ASSISTANT

August 2016-Present

3D Printing research lab where we tested the limits and capabilities of these machines. Maintenance and building of Makerbot printers as well as lecture promotion.

TEACHING ASSISTANT

August 2017-December 2017

Assistant to a design studio of 12 students. Tasks include design critiques, drawing tutorials, and general feedback

FALCON FARMS INC

June 2017-August 2017

Flower catalog and presentation design. Designed the company's official catalog and overall company presentation on Prezi.

MERIDIAN DESIGN ASSOCIATES

May 2019-August 2019

3D Scan surveying the site for Discovery Channel H.C. using Leica 3D scanning camera and the Matterport program. Also used the program Archicad to make corrections in drawings.

EDUCATION

GPA: 3.2

B. ARCH / 2020

Pratt Institute

Dean's List:

Spring 2016

Fall 2016

Spring 2017

Spring 2019

American Heritage High School

Class of 2015

GPA: 3.7

