portfolio

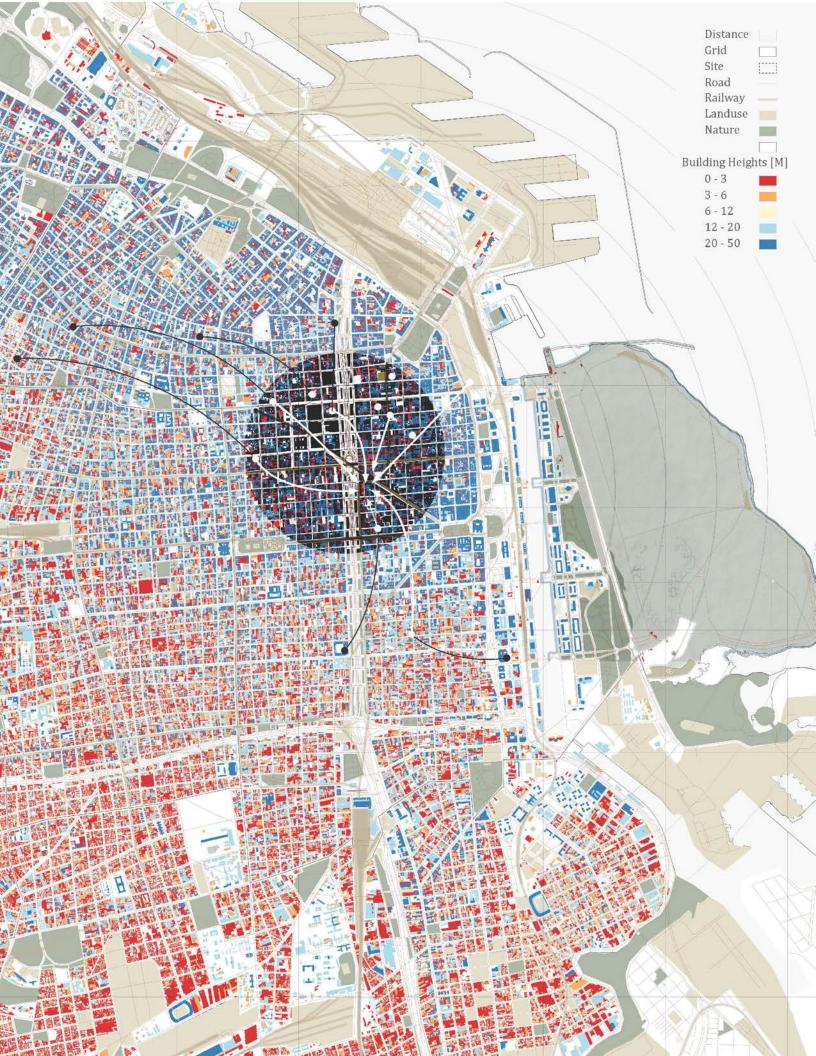


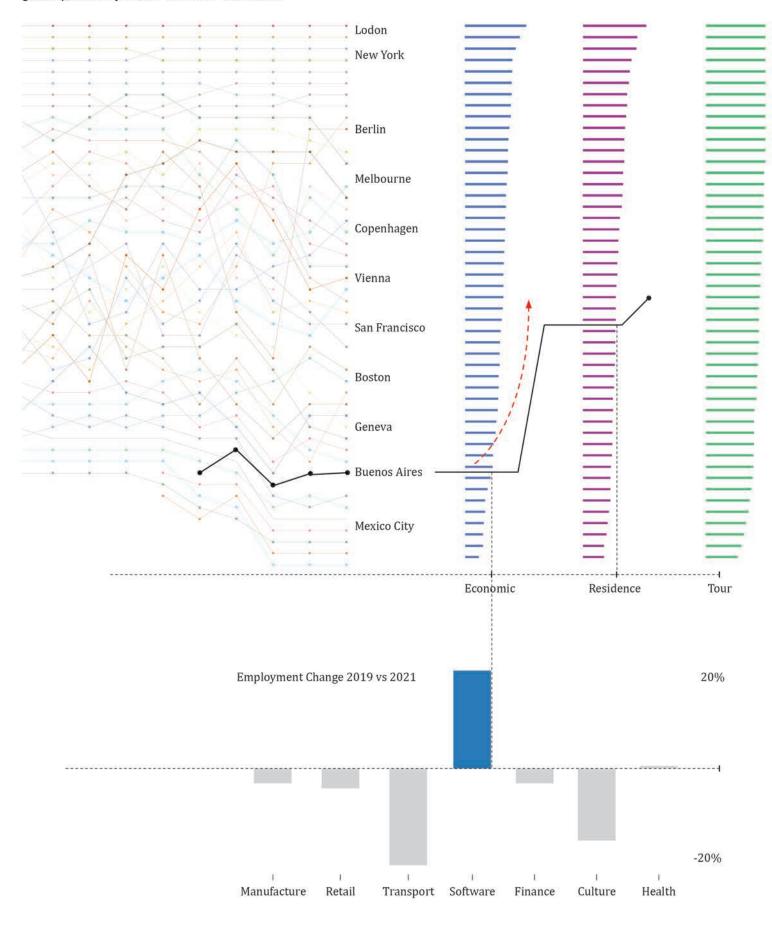
Anya R. Ray portfolio\_selected works

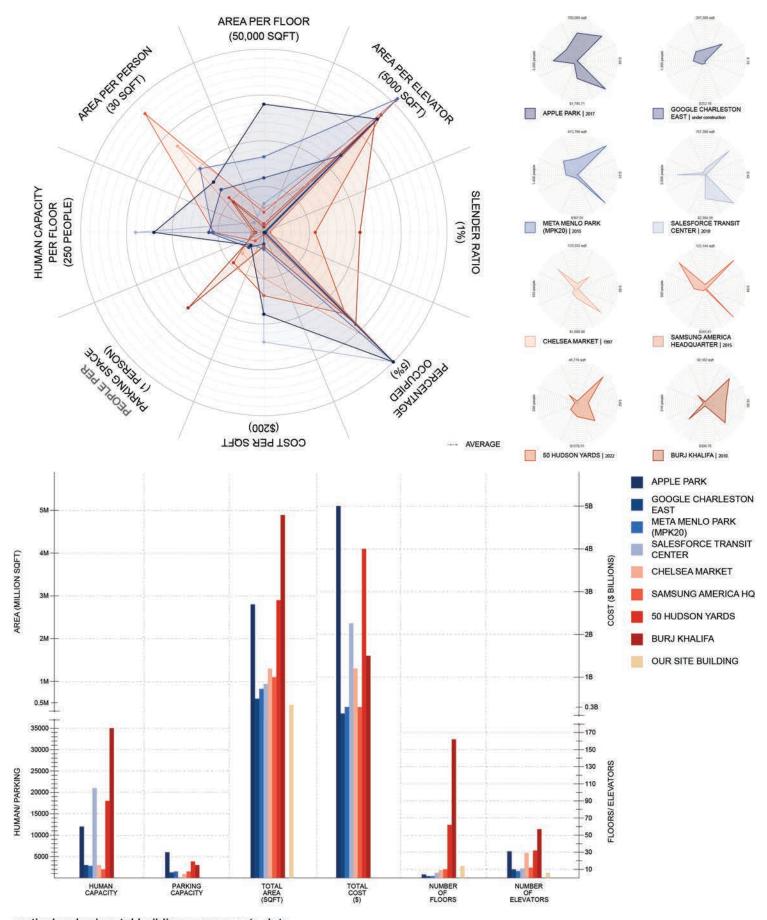
# neuro node | technology start up incubator

Located in the center of Buenos Aires, Argentina, this 500,000 SF building has the potential to play a significant role in supporting the economy of Buenos Aires. Currently abandoned, the new design will support the community and growth of the city at an urban scale. The project looks at transforming the existing building in to a start up technology incubator that will support the growing technology industry in Buenos Aires. Neuro Node questions the traditional organization and use of an office building. It provides a space for both community and worker to engage with one another as well as a means for the building to financially support itself through the inclusion of retail, exhibition and competition spaces amongst the start up companies.

In order to preserve as much of the existing building as possible, Neuro Node formally consists of one large scale central public auditorium in the center of the U-shaped existing building and four smaller scale support nodes that are located on the exterior north, south and west facade. The public auditorium connects these four nodes by a bridge that punctures through the existing building.

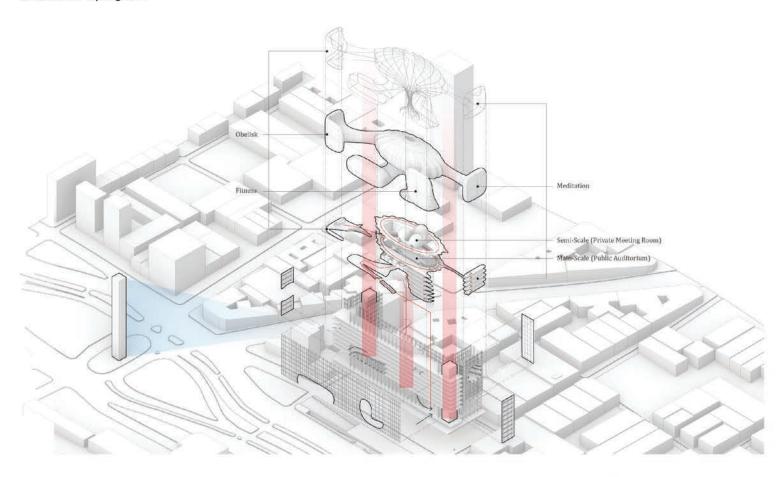


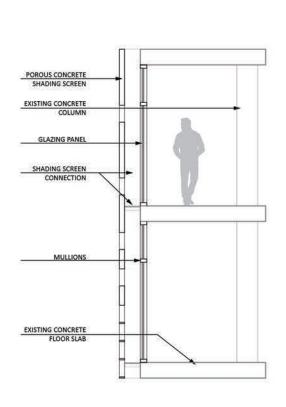


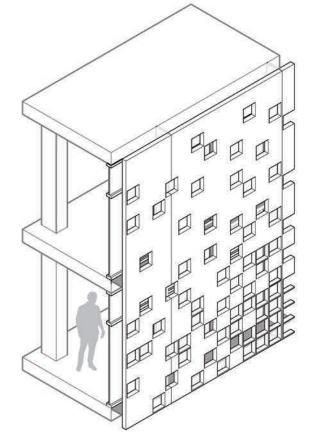


vertical vs horizontal building components data

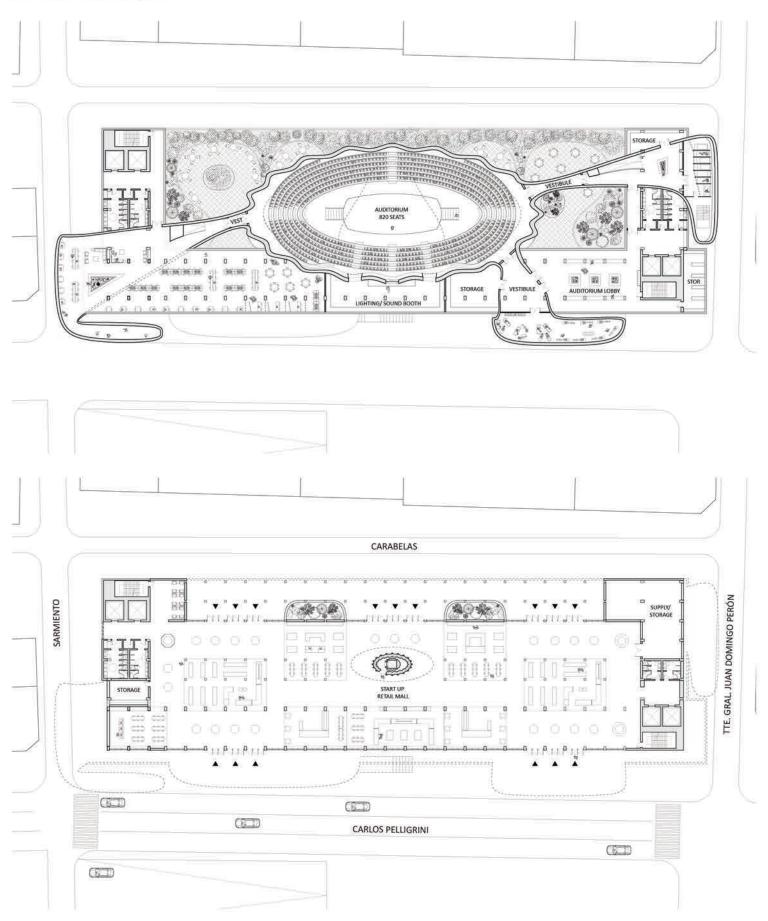
# circulation + program



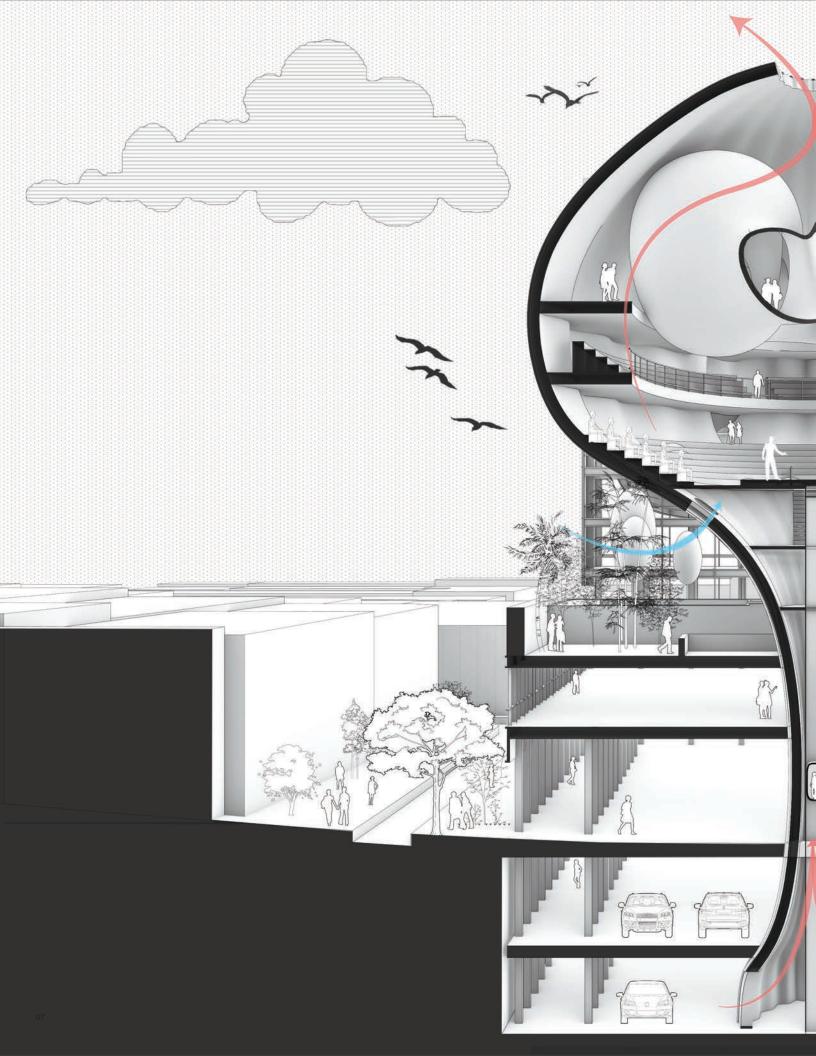


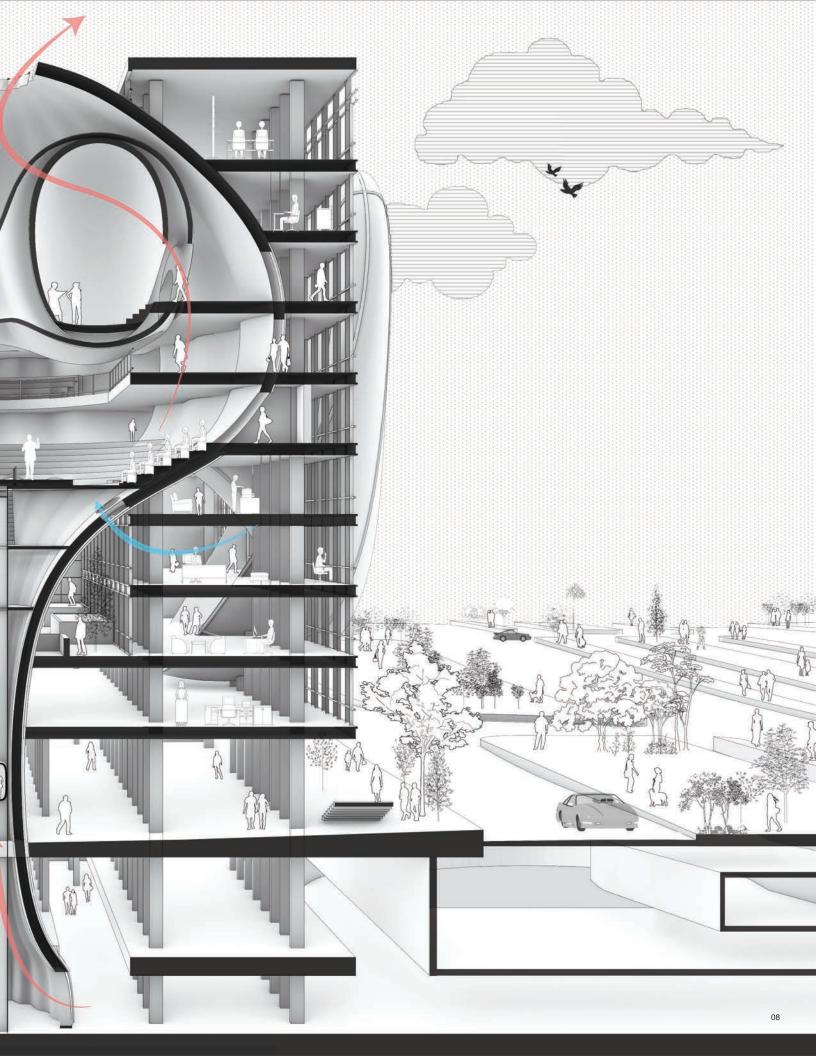


### facade detail



ground plan





# dis(PLACE)ment | refugee housing

In light of the current refugee situation in 2022, dis(PLACE)ment seeks to provide a solution to this crisis while also addressing the issues of community, security, and isolationist attitude typically apparent. This project will function as a prototype for temporary emergency housing. This temporary housing structure can be broken down into multiple layers of thickness, the thickness of the site, the conical massing, and the wall and facade.

Keeping in mind the state of emergency, a modular system of units was designed that can house four to six people. The beds are built into the thickness of the module, which is then carved into the thickness of the cone. In addition to the modular units, the facade can also be broken down into modules

Formally this structure can be broken down into 4 cones that intersect with each other. This shape informed the placement of the units, community and support spaces, as well as the interior atrium.



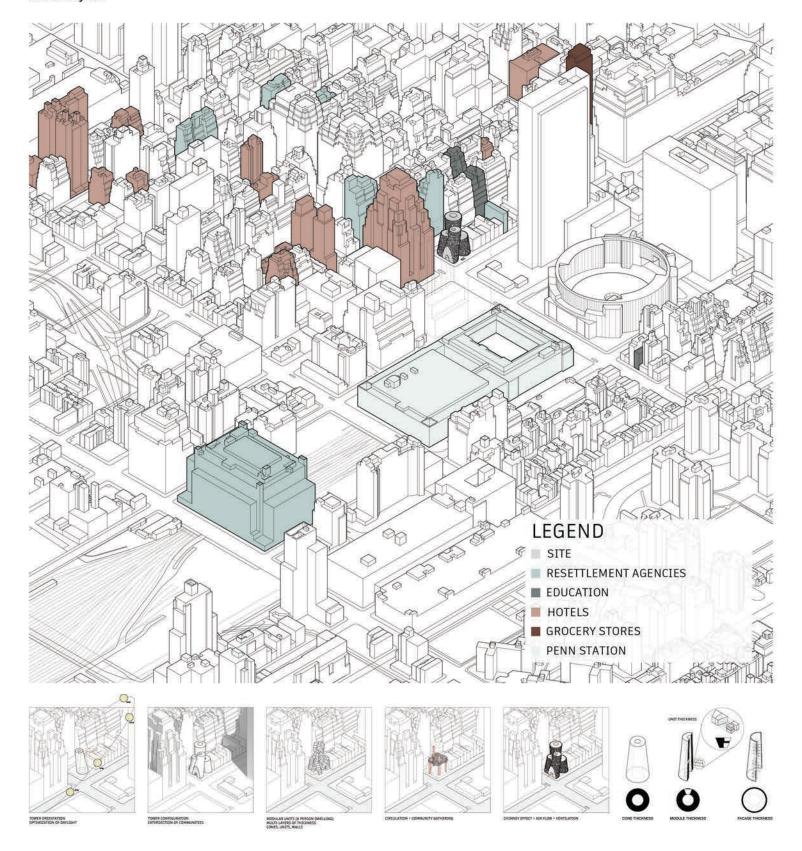


- tent living quarters
  - varying sizes for varying size families
  - single persons section
  - just arrived temporary section
- food voucher distribution center
- basic supplies and tent distribution center
- sports field/ playground area
- outhouse (restrooms and showers)
- medical center
- hospital
- nurses station
- schools
- cultural center small shops
- administrative offices/ buildings
- check-in point

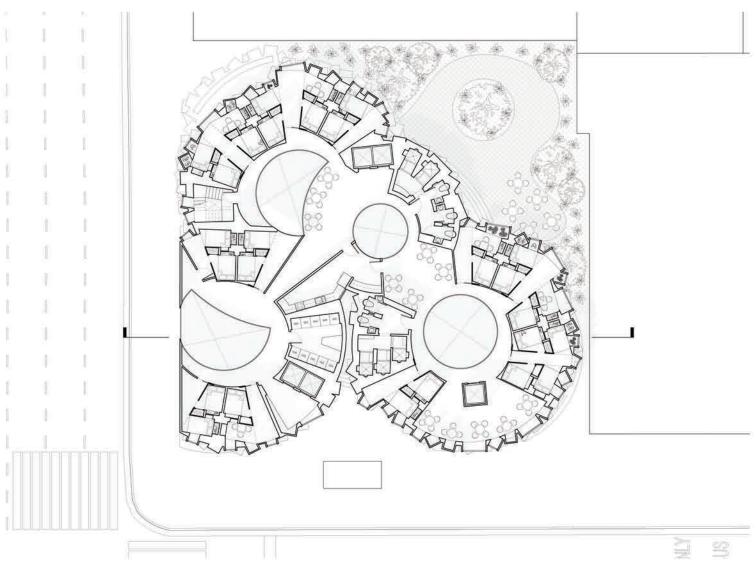
- water tanks
- telephone mast electricity
- religious buildings
- community space/ pavilions security/ fence/ boundary wall



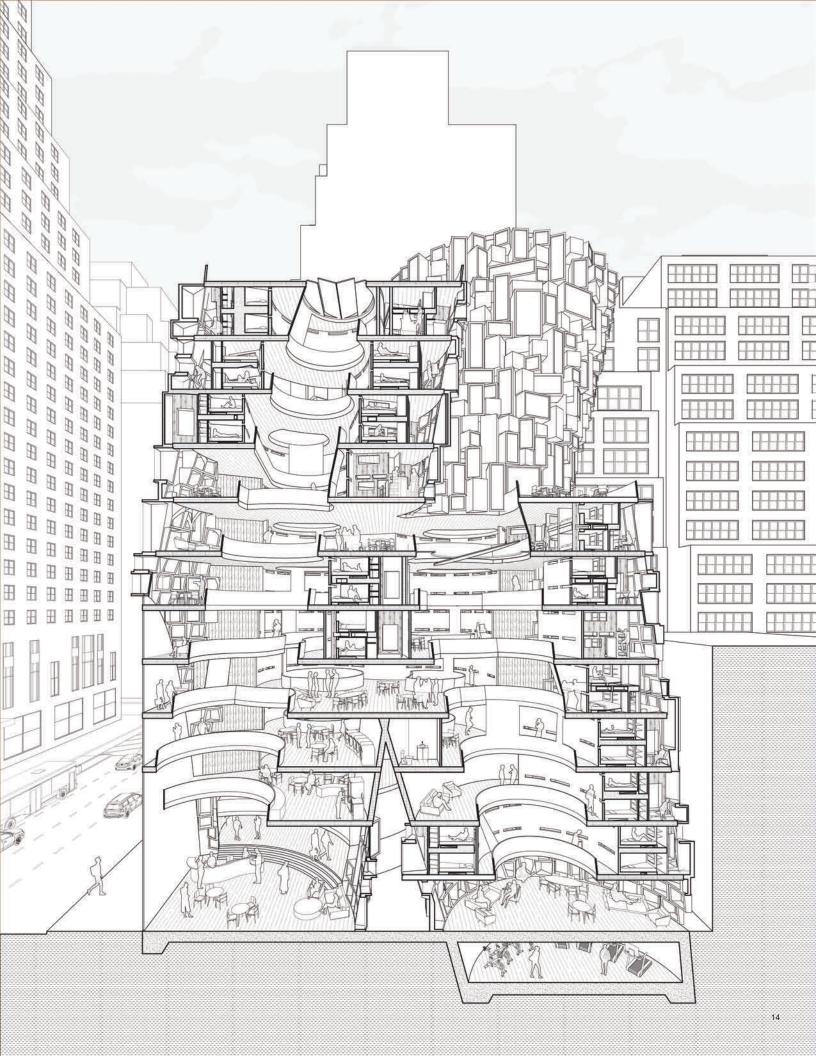
# site analysis



# unit plan



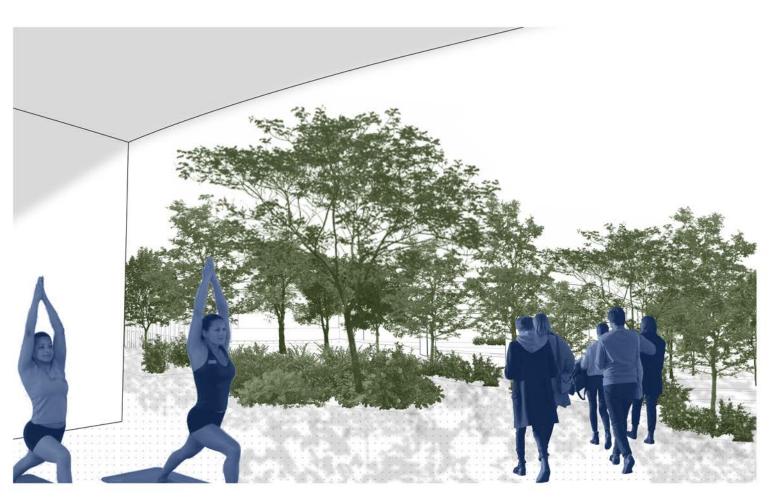
# UNIT CONSISTS OF 4 TO S SERVICE STORAGE RECOMES ANALOGIC RESIDENCE AND A CONSTRUCT RESIDENCE ANALOGIC RESIDENCE ANALOGIC RESIDENCE ANALOGIC RECOMES ANALOGIC



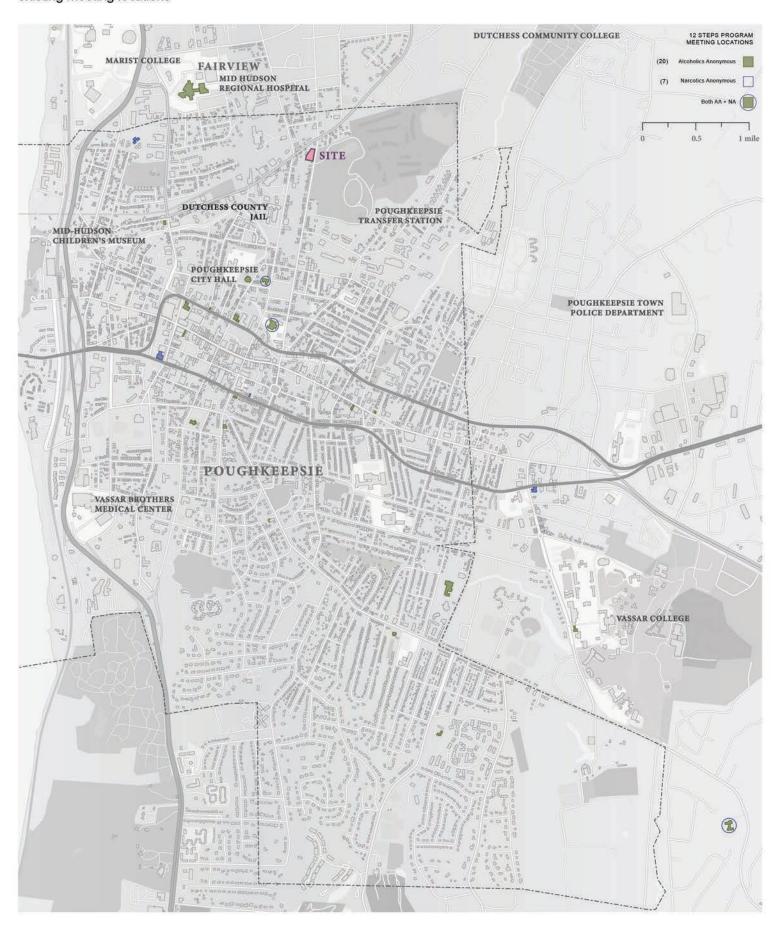
# healing trail | health center

The Healing Trail seeks to provide a safe, comfortable space where those lookig to overcome health challeges can learn and grow as a community. Poughkeepsie, a town that has a lot of gang and addiction related activity, lacks the permanent space and programs necessary for addressing these topics. With a focus on the 12 Steps Program for recovering addicts, this health center will incorporate healing through a peer-to-peer support and learning system, challenging the current health care mdel.

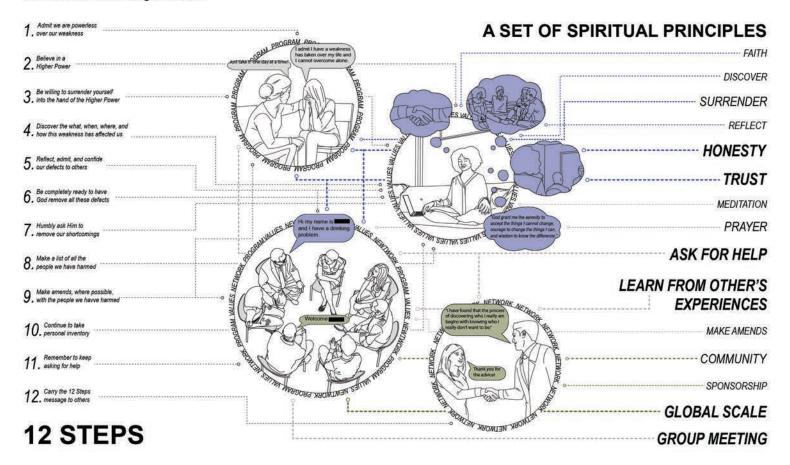
Architecturally, the building seeks to use the healing properties of nature through the use of interior gardens that also function as light wells bringing natural lighting into the interior. Formally, the building slopes with the topography, blending with the natural landscape. The roof of the building functions as a roof garden and pathway that connect the existing and heavily used Dutchess Rail Trail to the new Meditation Labyrinth and Ancestral Garden Celebrating the African Spirit is planning to create, drawing the community to this space.

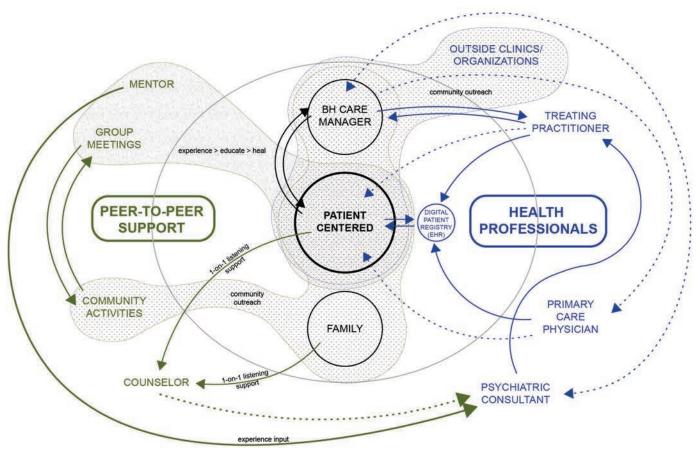






### ccbhc care model organization



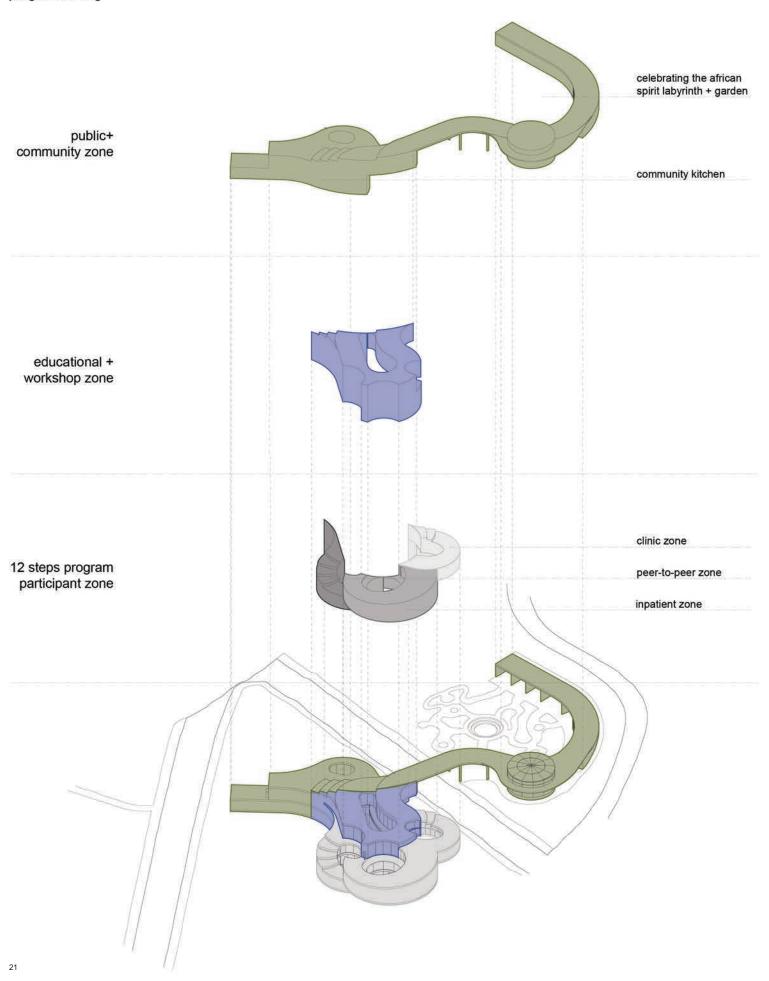


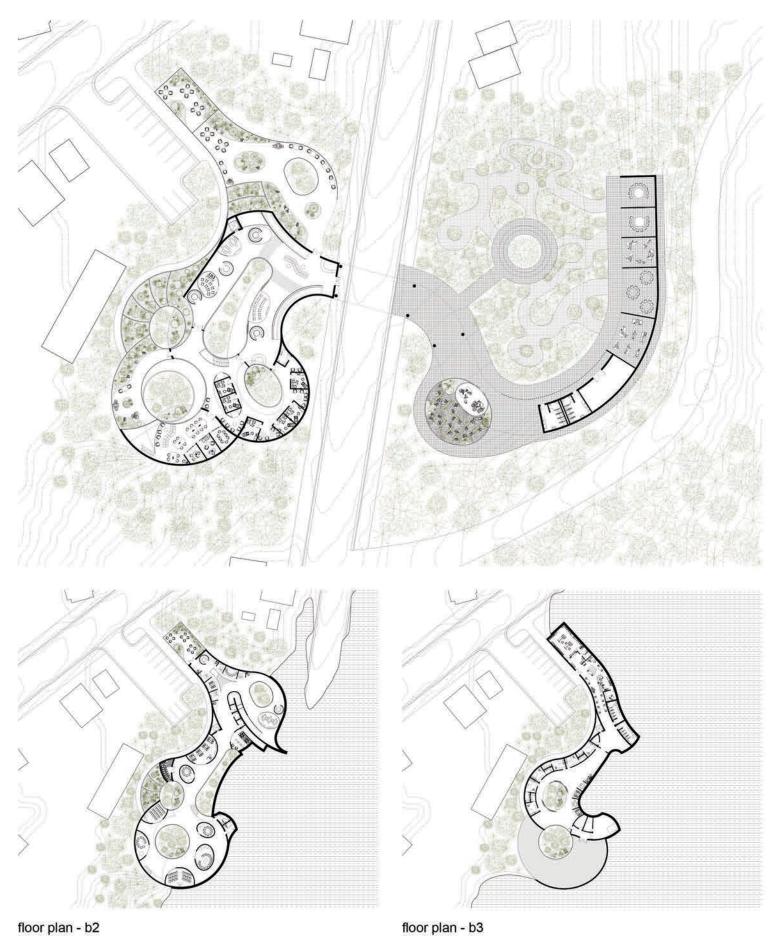
12 steps program





meditation labyrinth entrance view

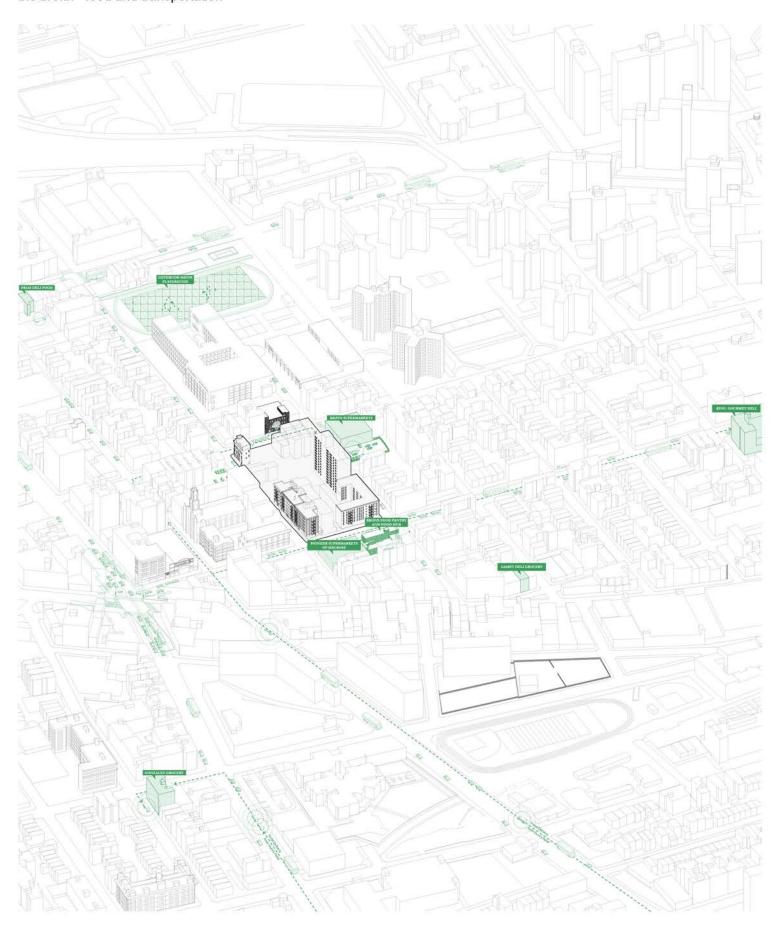




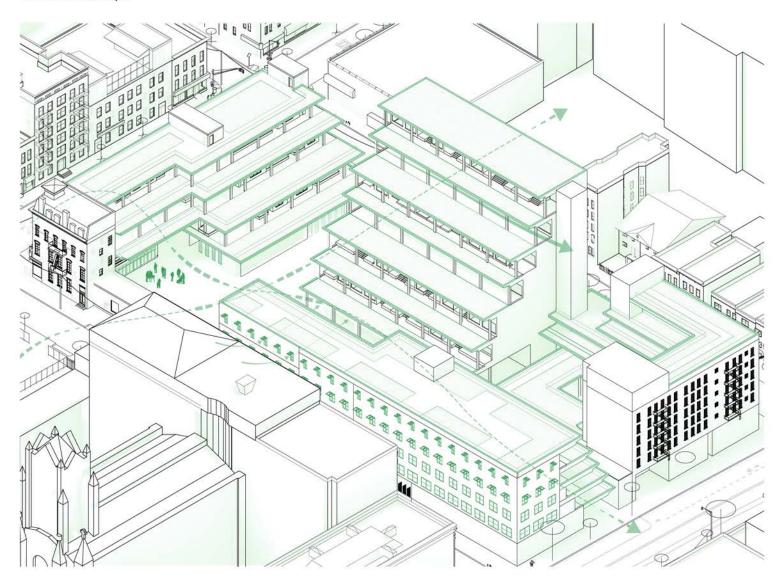
# bloom | residential apartments

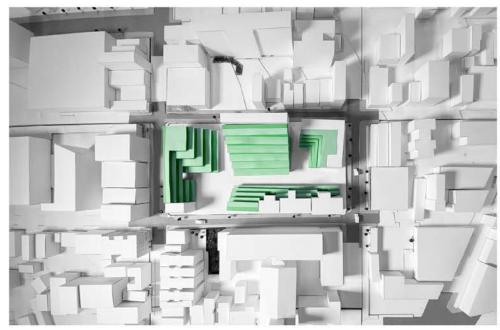
With Bloom, we are challenging the standards of living in New York. We redefine these standards to emphasize the need to be able to commune with nature, have ownership, and appreciate community. This project aims to nourish the community with nature, food, community relationships and autonomy of space. We push on the idea of boundaries to create a flexibie and adaptable space that promotes the versatility of way of living. Through a system of terraces we create an artificial landscape that connects the site as a whole, the individual to the community, and the inside to outside, and encourages healthful living through interactions and relationships with nature, food, the community, and one's self.



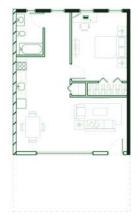


## artificial landscape





new addition





starting 1 br 720 sq ft

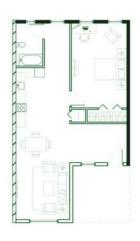
864 sq ft

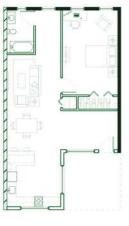
900 sq ft

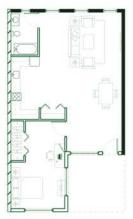
936 sq ft

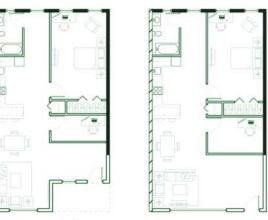
starting 2 br

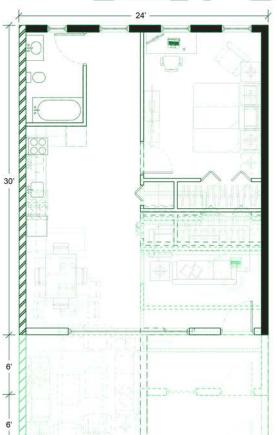
936 sq ft









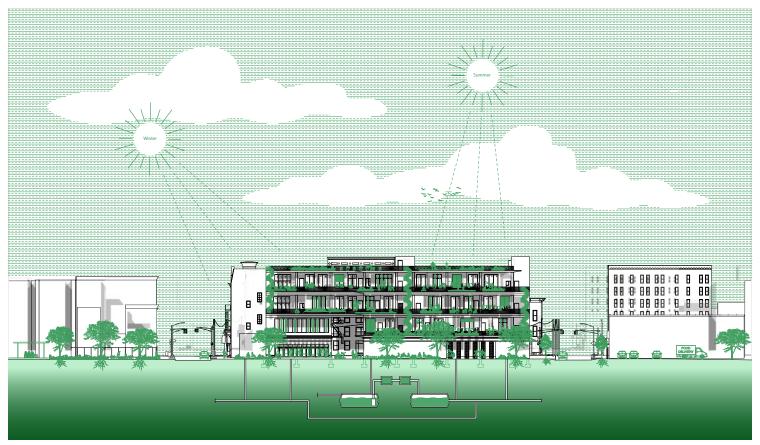












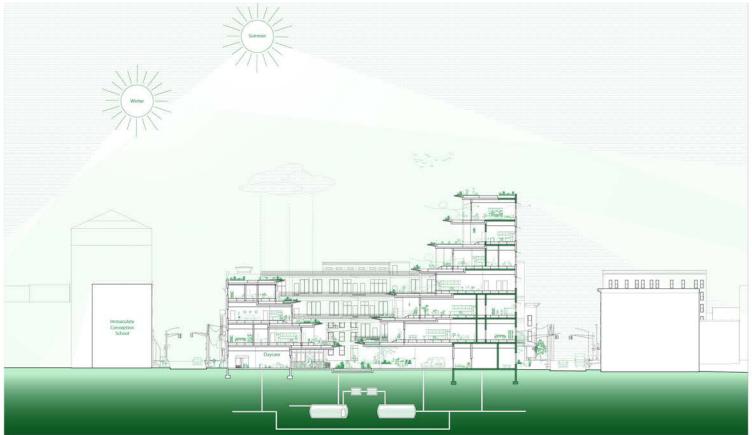
elevation





## residential level





# section

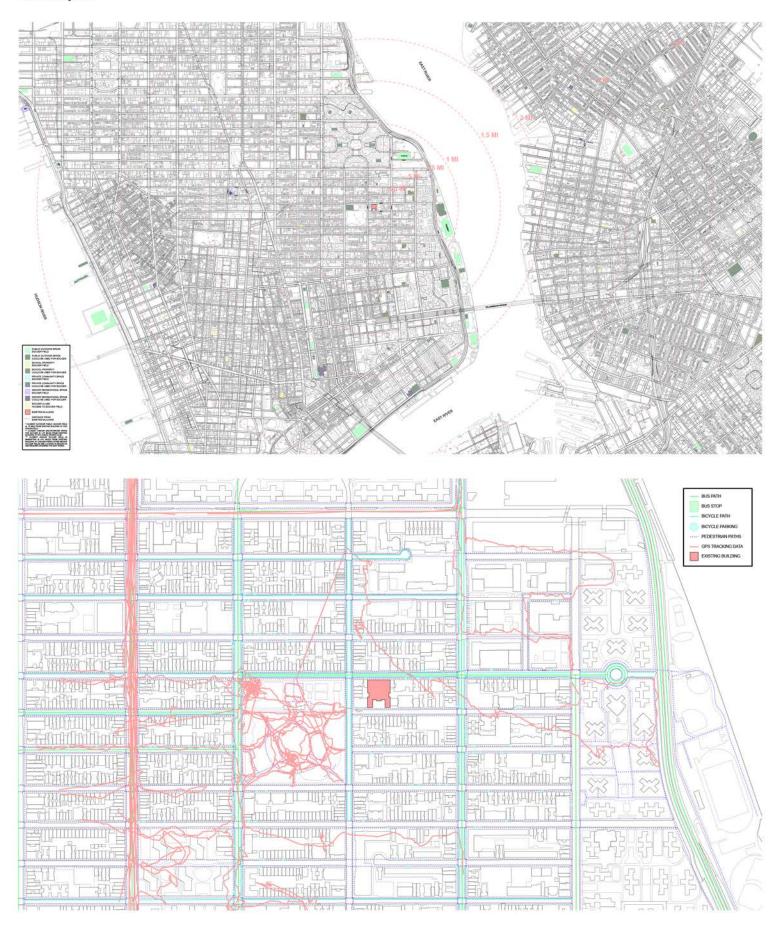
31



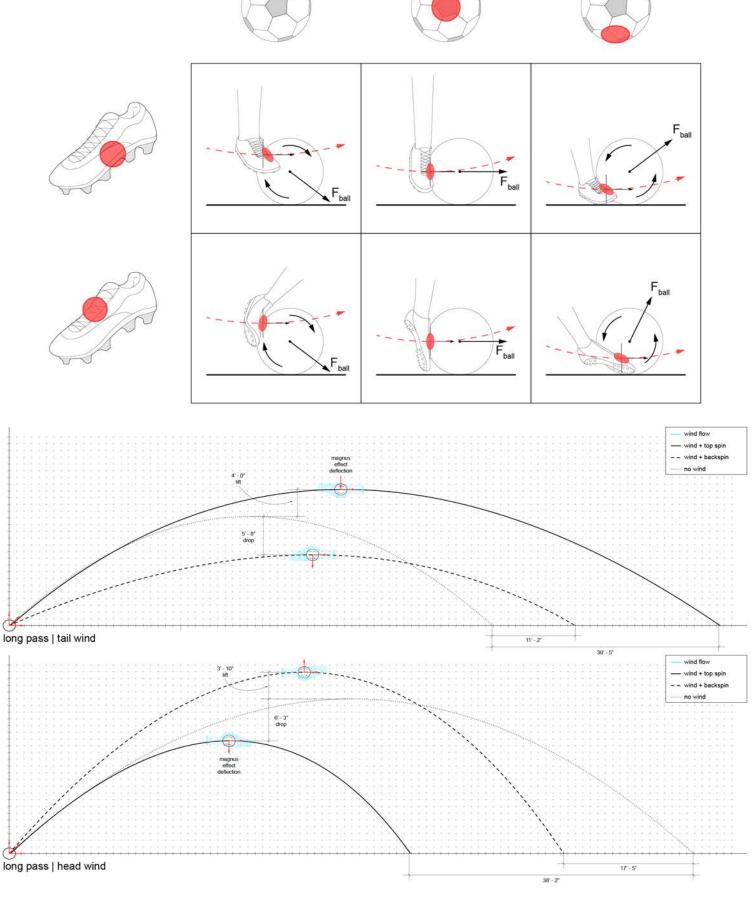
# learning field | k - 8th grade school

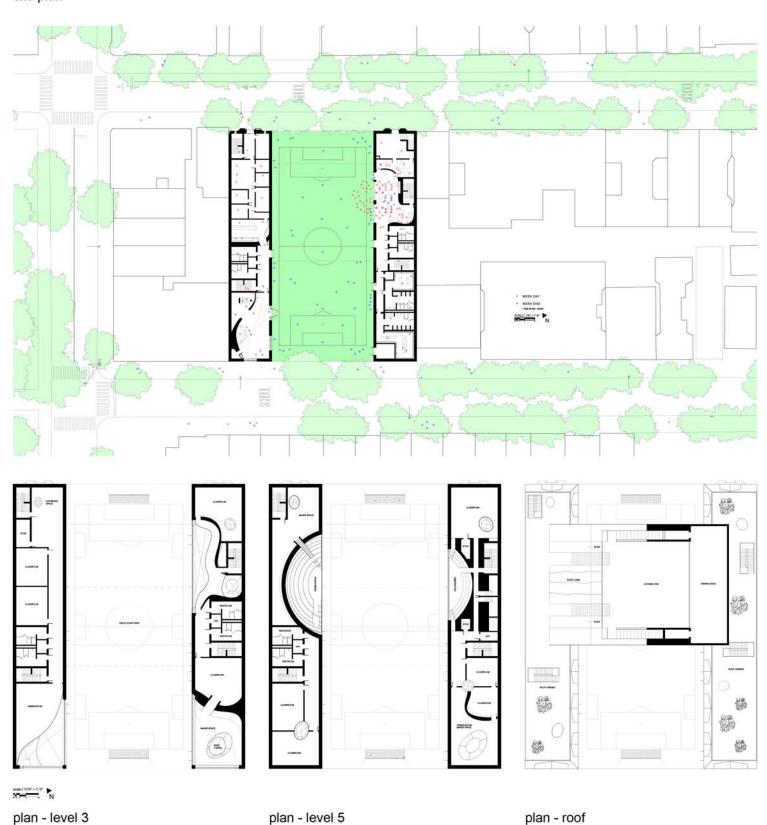
The Learning Field seeks to create a fluidity between the different learning spaces to allow for a passing back and forth of knowledge between the different classes. The analysis of the impact point of a soccer ball and the effect it has on the arc of the ball's path informed the carving of the arched and lofted learning spaces. These spaces are visually connected horizontally across the two end bars of the building, and onto the central, multifunctional soccer field, and vertically within the end bars, to allow for students to be inspired to learn and experiment through observing the movements and actions occurring around them.



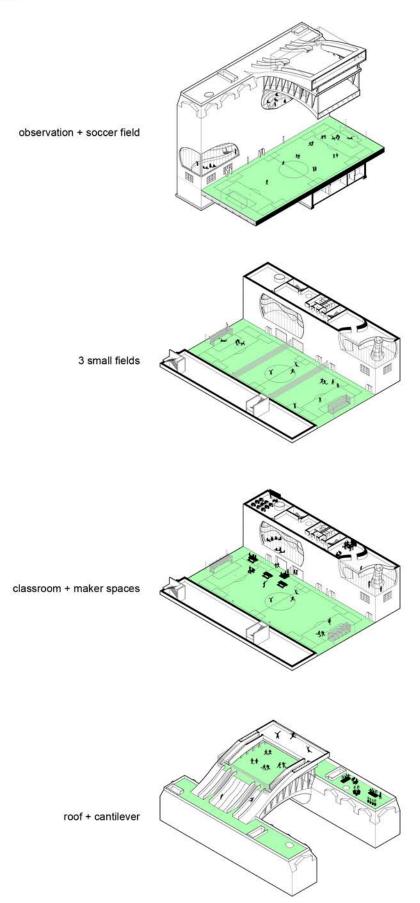


# kinetic analysis

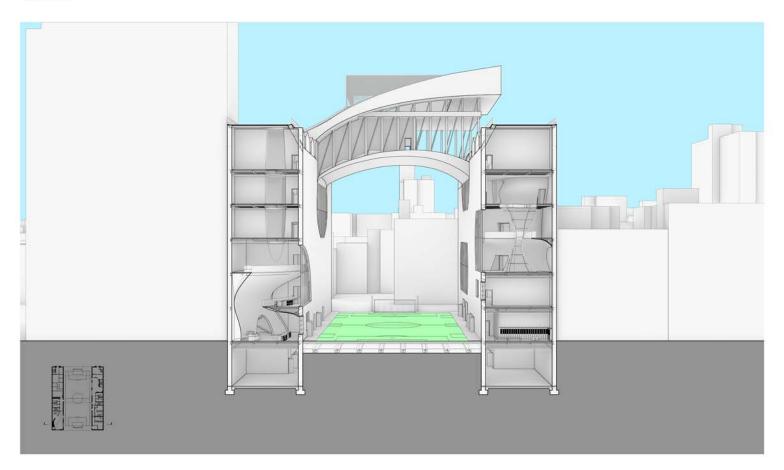


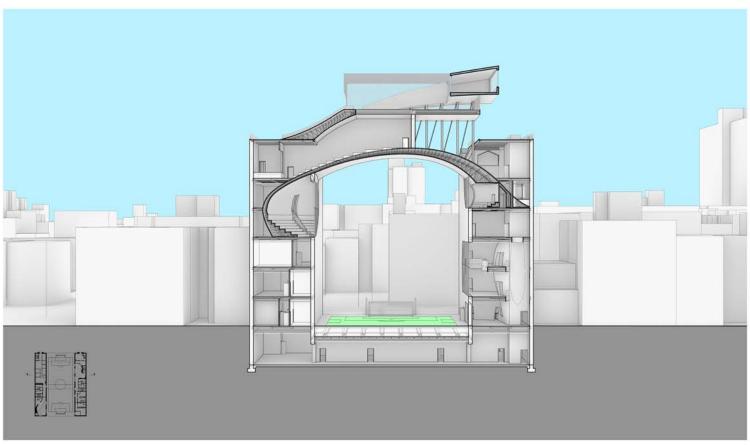


37

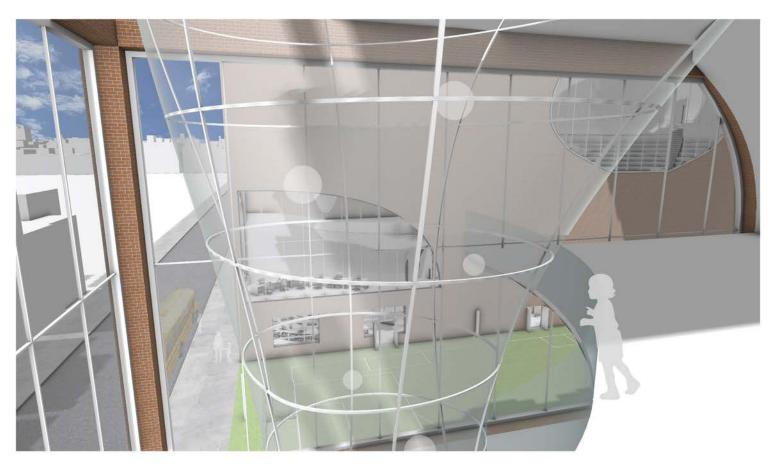


## sections





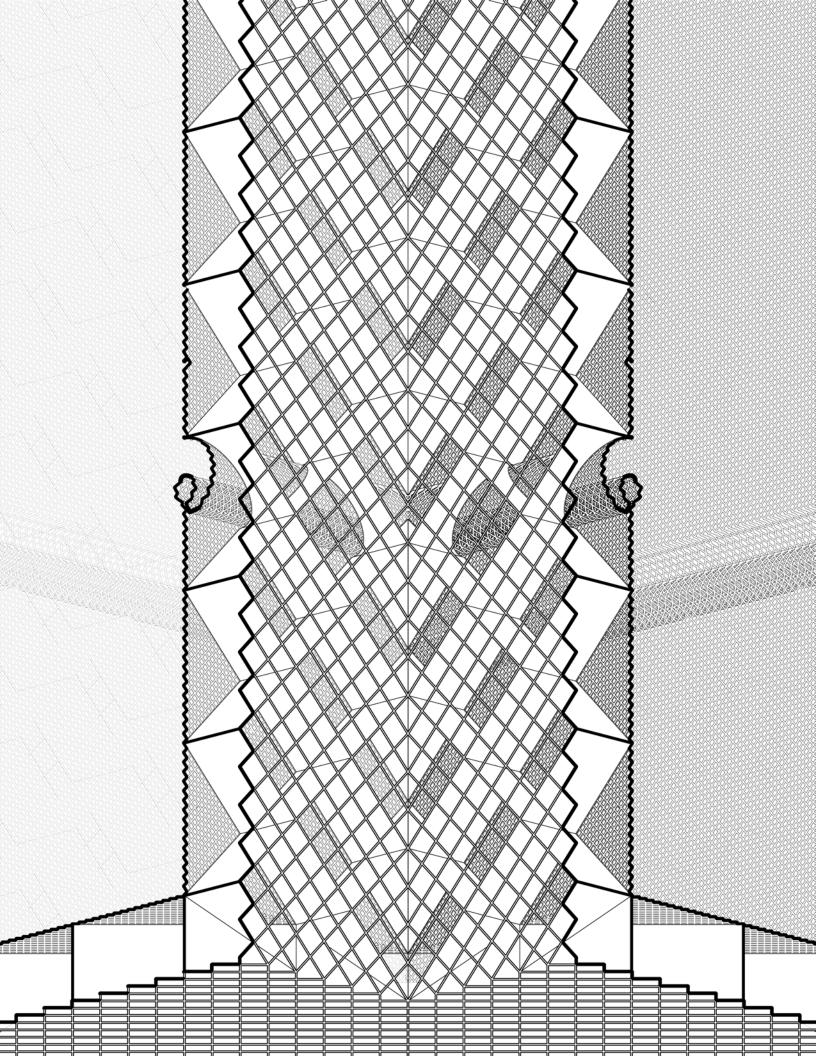
## maker space



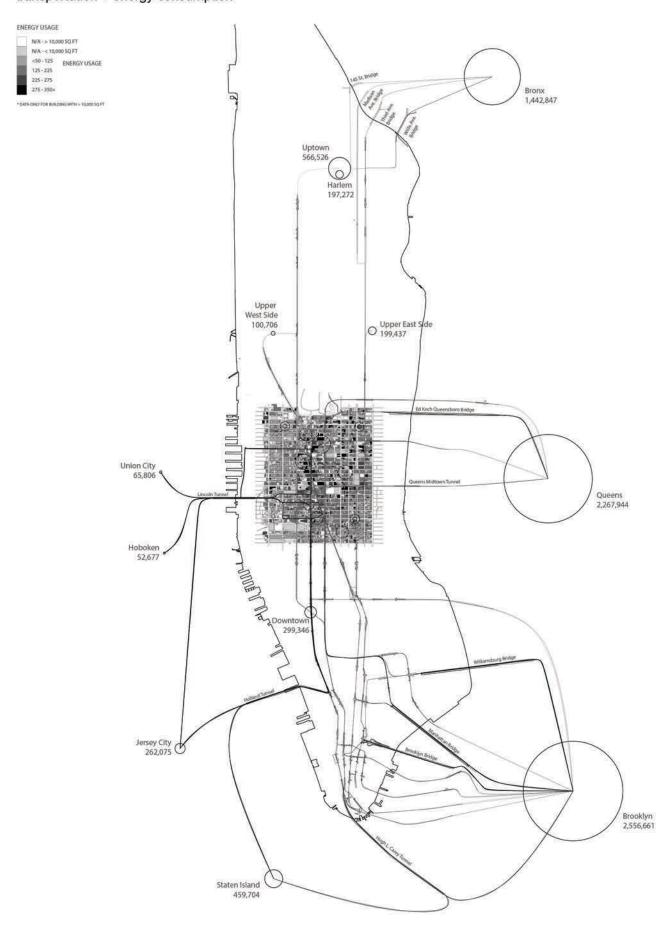


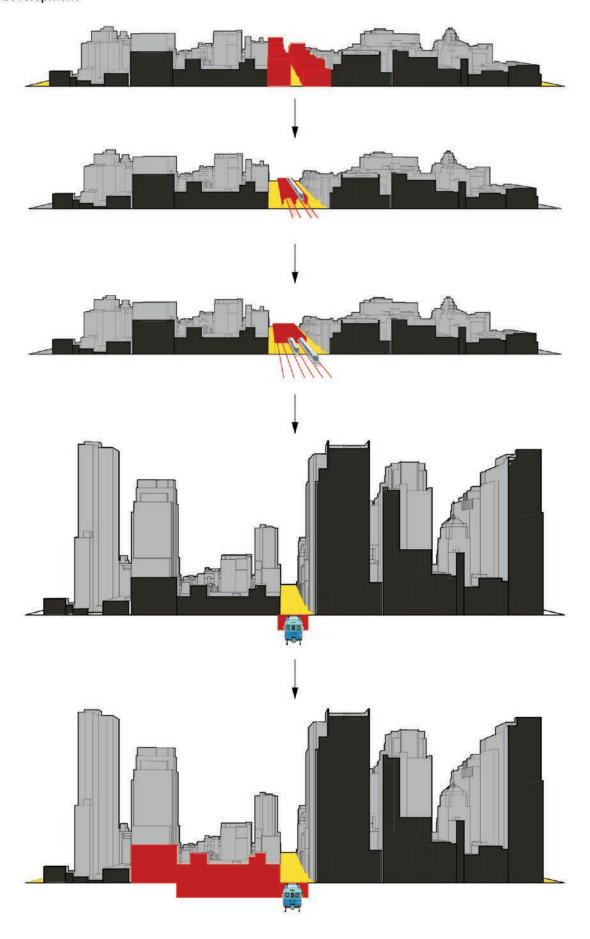
# circulation for public transit space

Through surveying the NYC Port Authority Bus Terminal, this project seeks to address the poor circulation, programming, and dark ambiance of public transit spaces. A new circulation system is proposed that defines void and programming spaces to create a relaxing, brightened, and less stressful experience through the terminal.

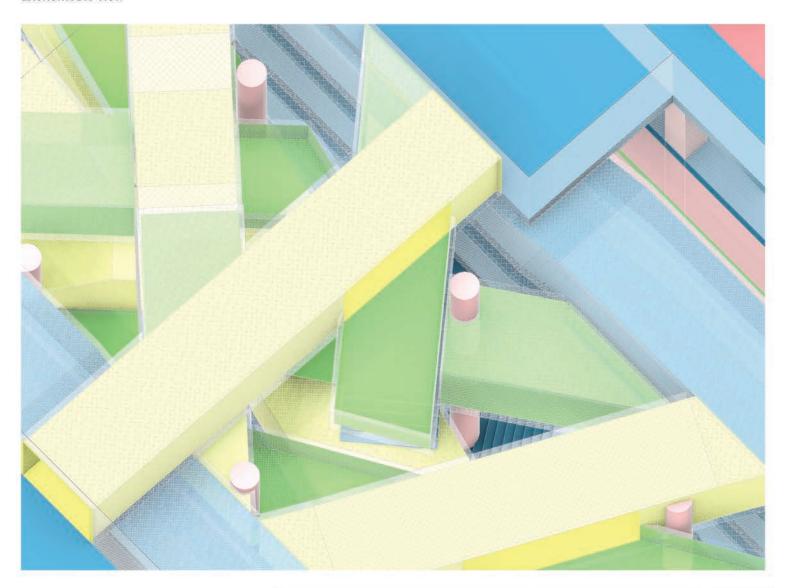


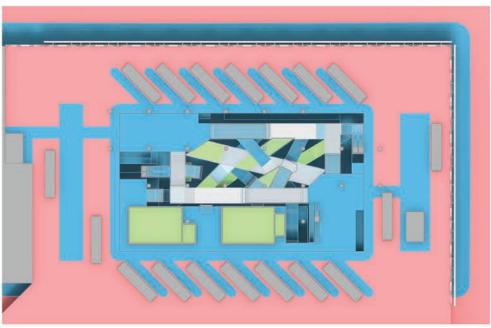
## transportation + energy consumption





## axonometric view





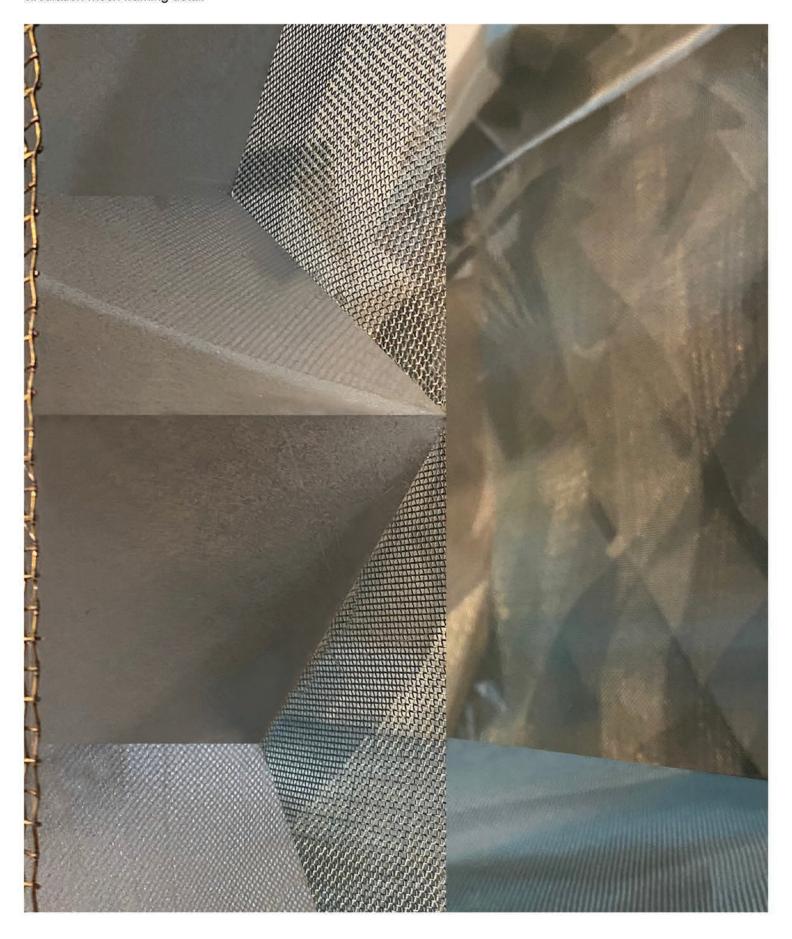
floor plan











# appendix

## Visual Studies

- A Ultra Real | Rift
- B Re-Thinking BIM | 130 Williams
- C Speculative City | A Guide for Refugees in NYC

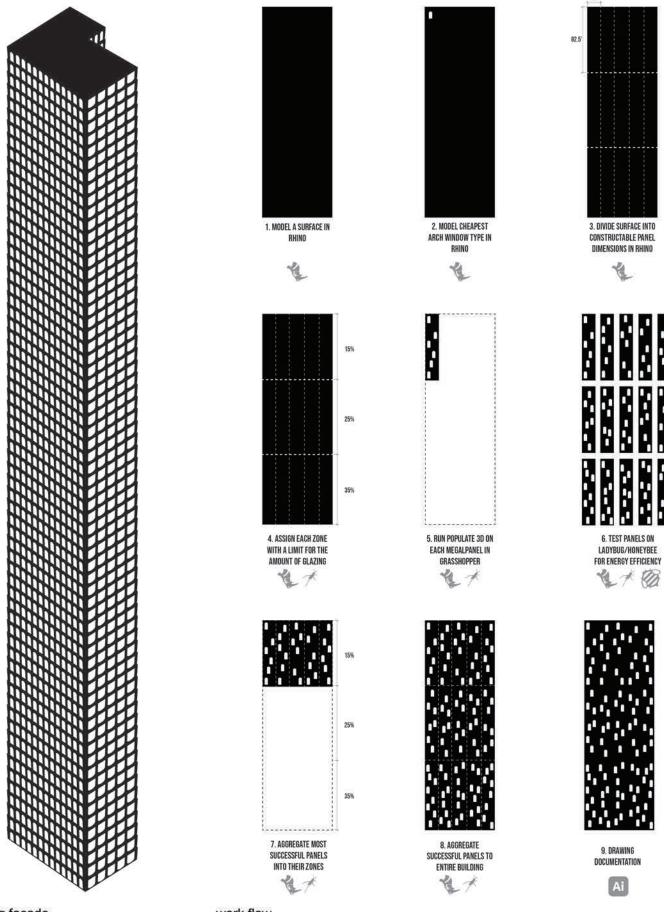
# Architectural Technology

- D ATII | The Markthal
- E ATIII | Wall Details
- F ATIV | P.S. 64
- G ATV | Core and Egress Stair

## **Architectural Drawing**

- H ADRI | Diamond Princess Cruise Ship
- I ADRII | Representation of Time

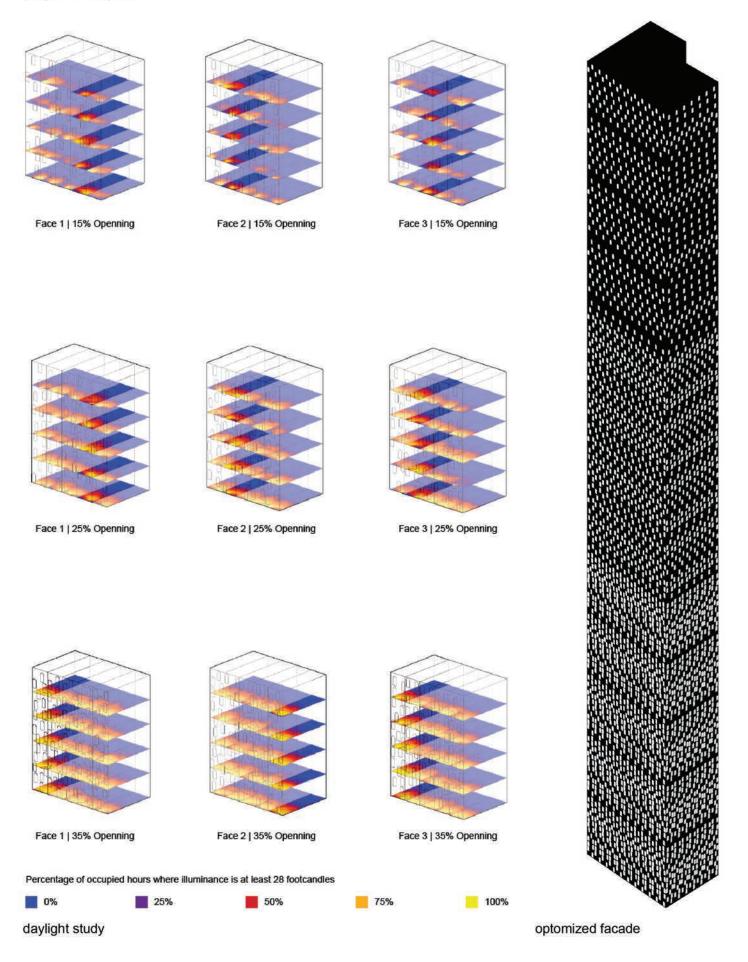




existing facade

work flow

## programm diagram



52

### speculative city | a guide for refugees in nyc

#### legend

- × community based organization
- community center + schoolshospitals
- farmers markets
- grocery stores
- hrift shops

#### Zone 1:

You will find a large number of Grocery stores off of Broadway as well as East 14th Street.

#### Zone 2:

You will find a large number of community center and educational facilities in this area. East 14th Street connects this zone with the public transportation system.

#### Zone 3:

You will find a large number of community center based organizations along Broadway, specifically around Penn Station transit hub in Midtown New York City and towards the lower end of Downtown New York City.

#### Zone 4:

You will find a hospital here. Highlighted is within 10 blocks of the hospital. In terms of proximity to other programs, the overlap is a clear indication of being within a 15 to 20 minute walk to the other programs

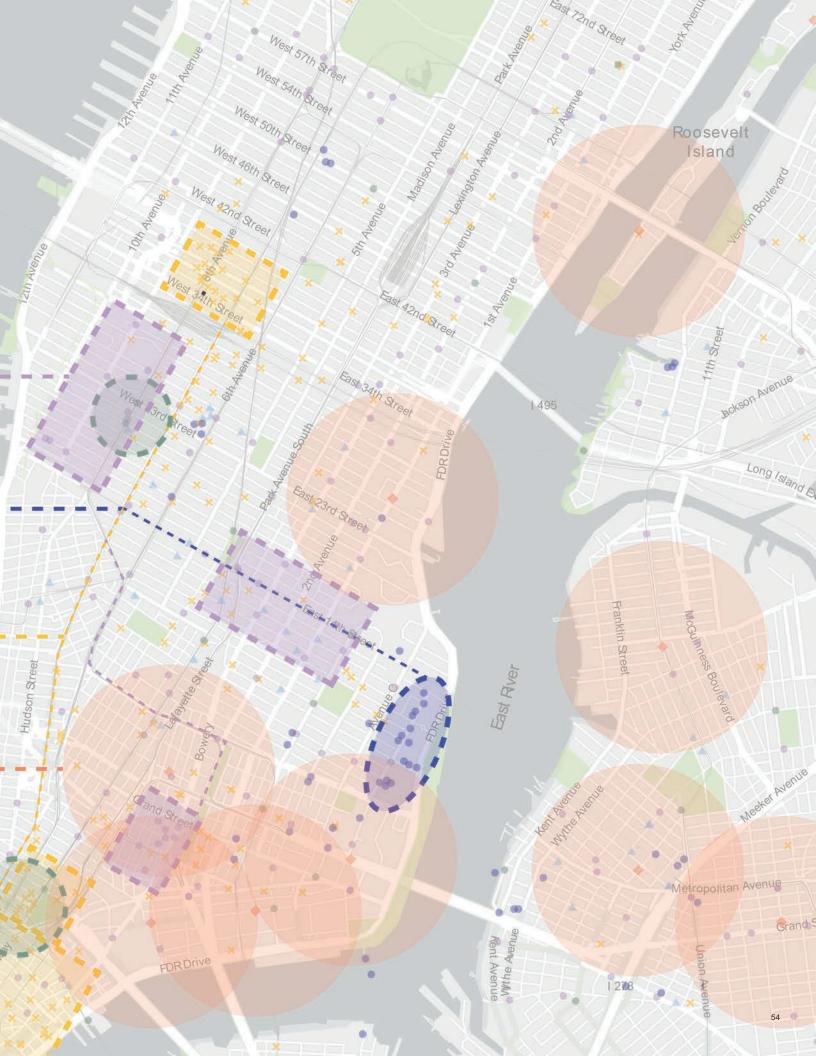
#### Zone 5:

You will find your Farmer's Markets located off of Broadway as well. There is easy access to theses markets through the use of the public transit along Broadway.

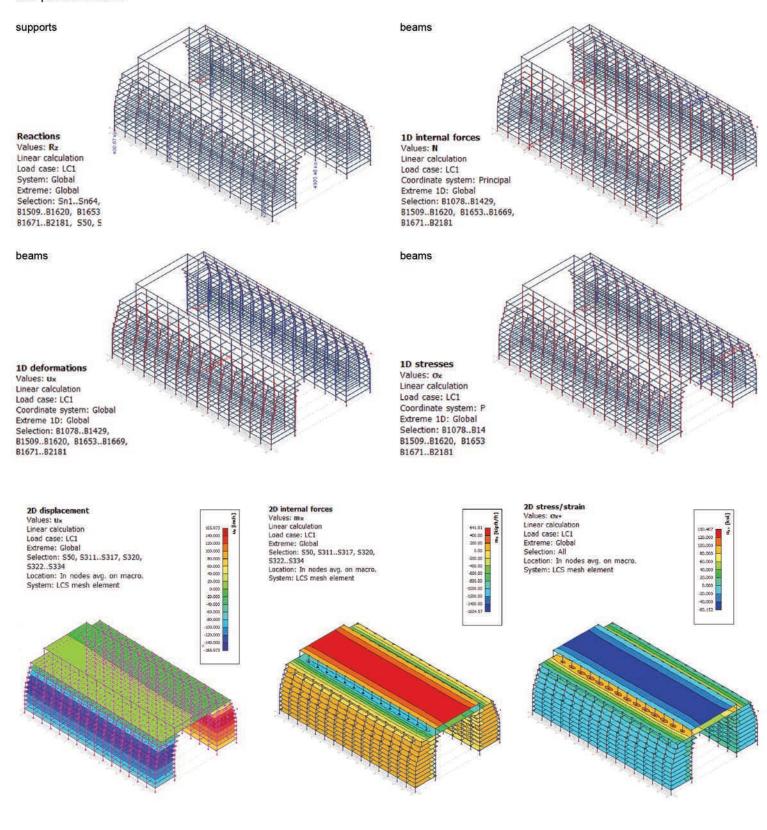
Refugee / Asylum Seekers will be able to find almost all the necessities and support programs around the Downtown New York City area.

NJ495

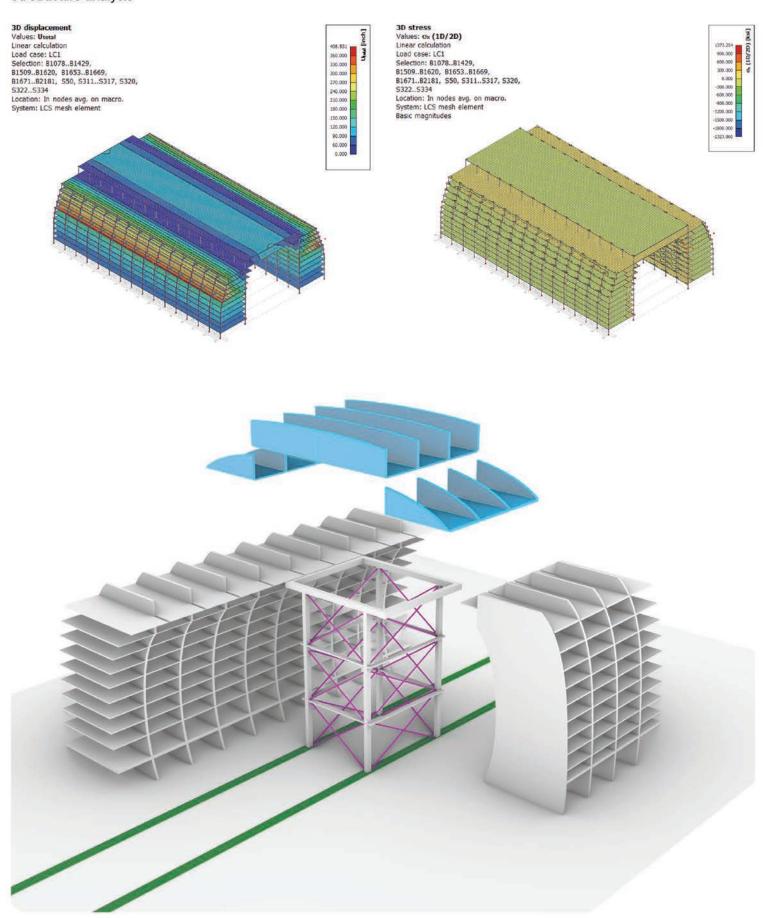
Idspn River

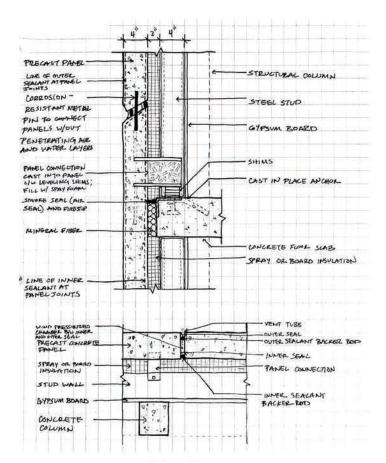


## at ii | thte rmakthal



## 3d structure analysis

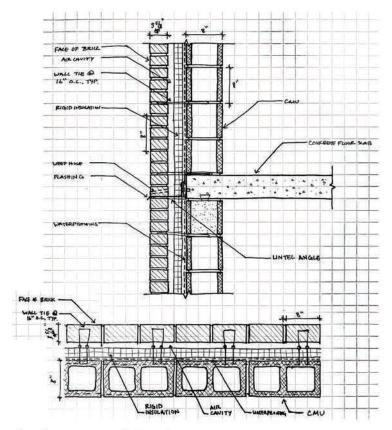




EXTERISON
GASKET
LONGEN
LONGEN
LAP
PRESSURE
PLATE
SEAL
INSULATED
QLAZING INIT

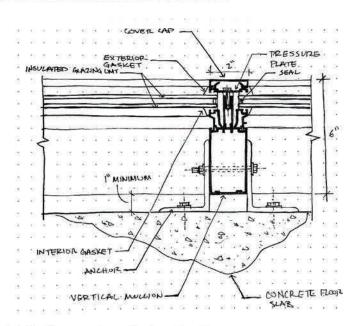
CONCRETE FLOOR MAR

precast concrete wall detail

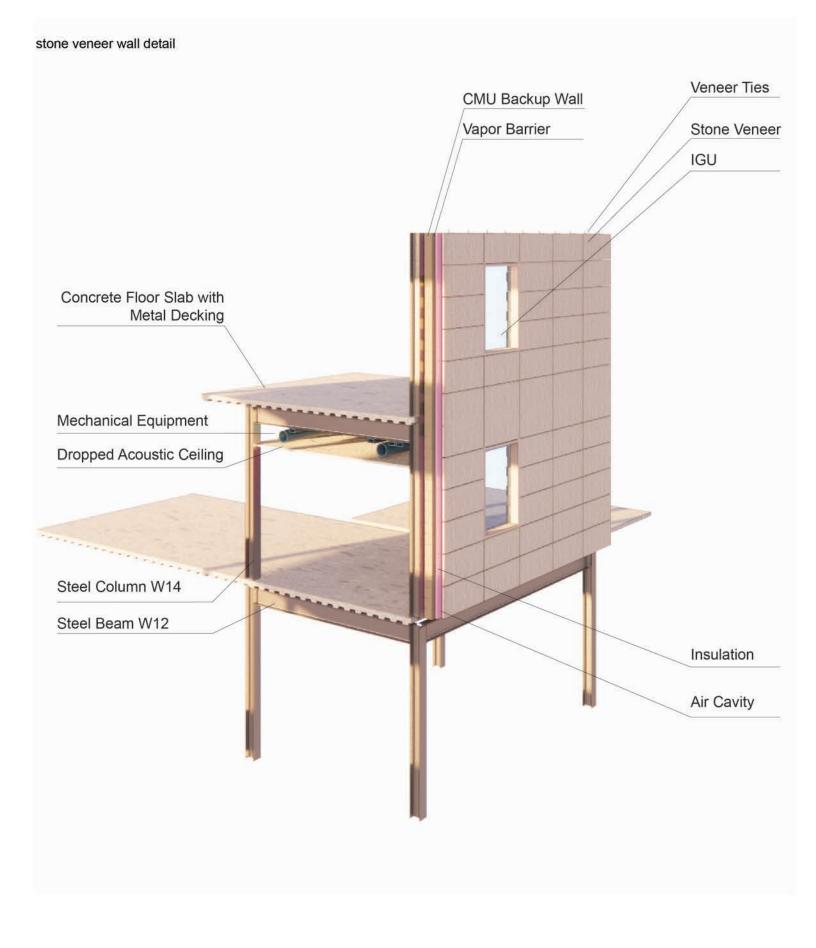


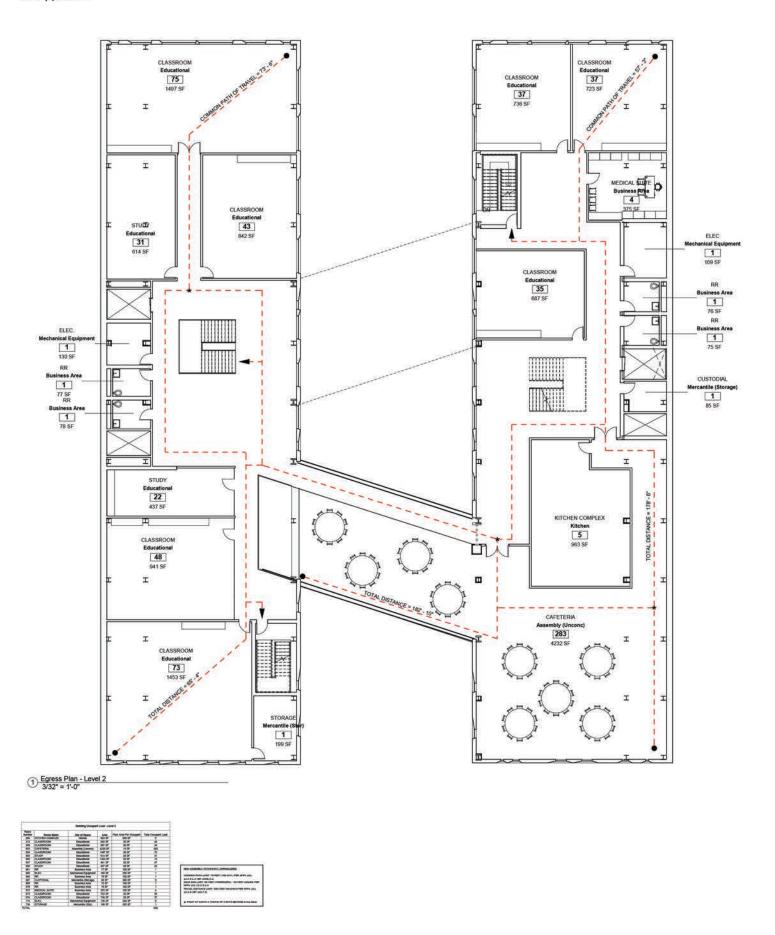
brick veneer wall detail

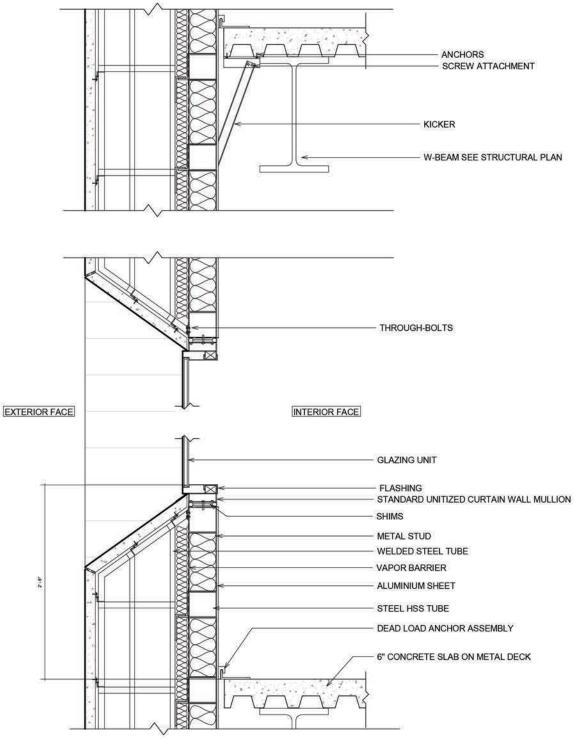
### stick built curtainwall section detail



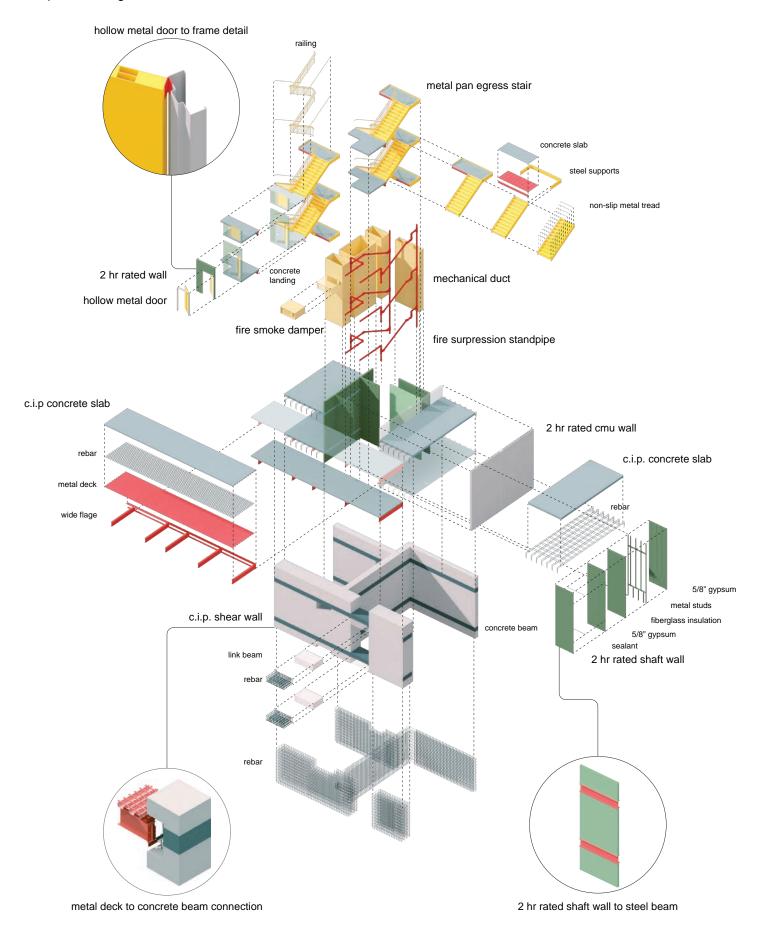
stick built curtainwall plan detail

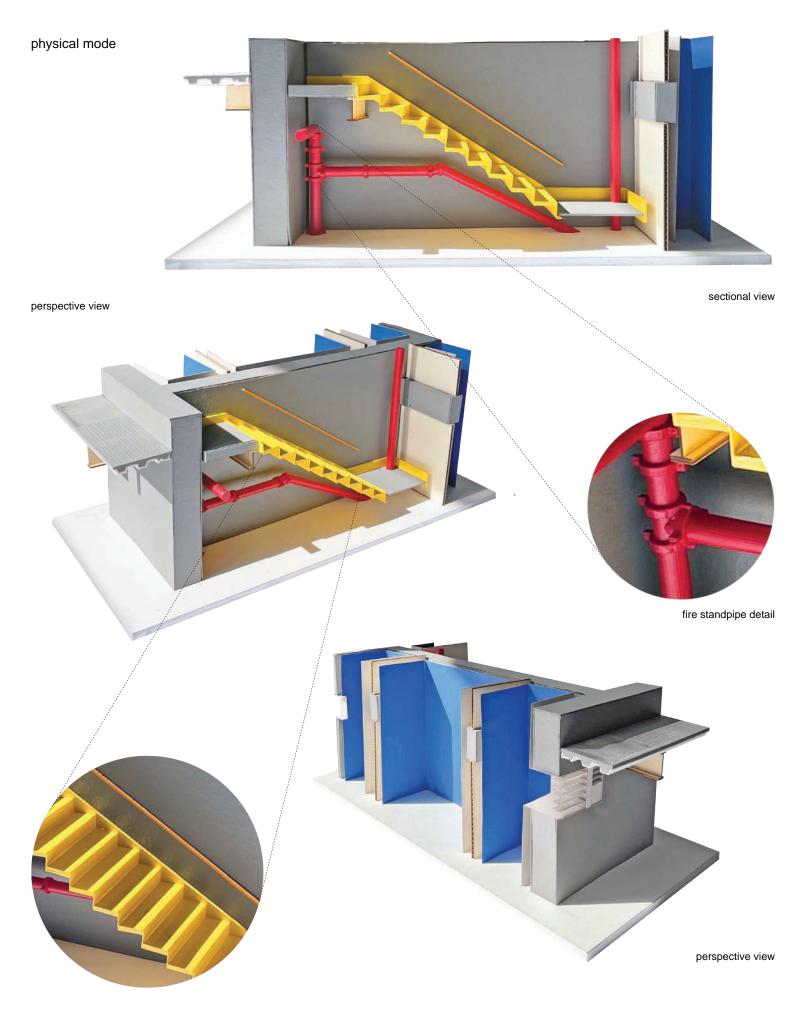




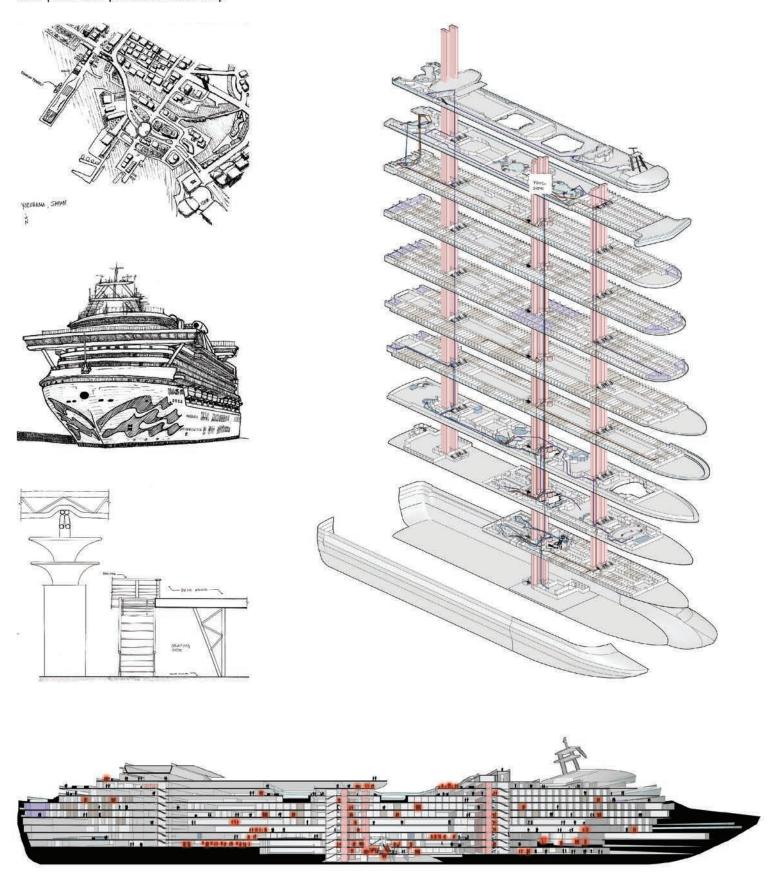


3 STONE AND PUNCH WINDOW DETAIL 1 1/2" = 1'-0"

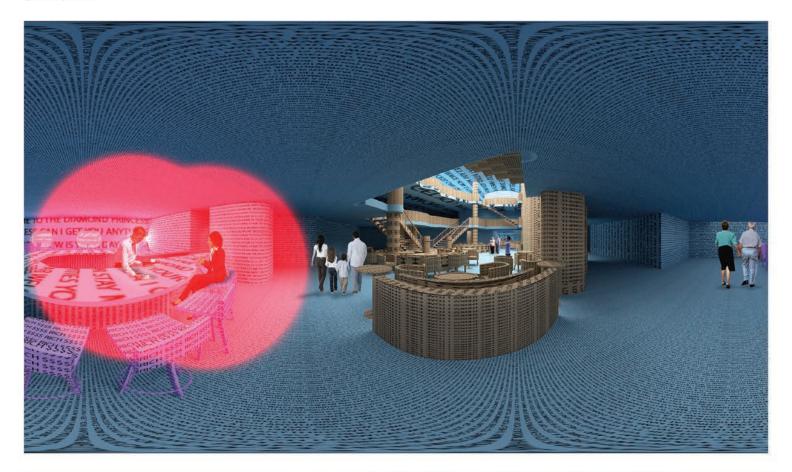




# adr i | diamond princess cruise ship

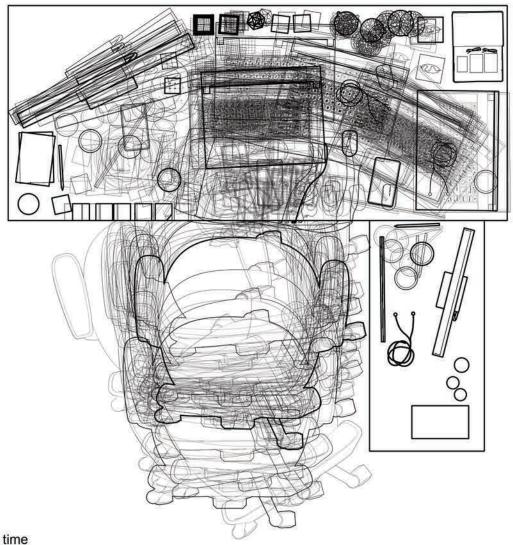


unique built environment for studying covid-19 spread

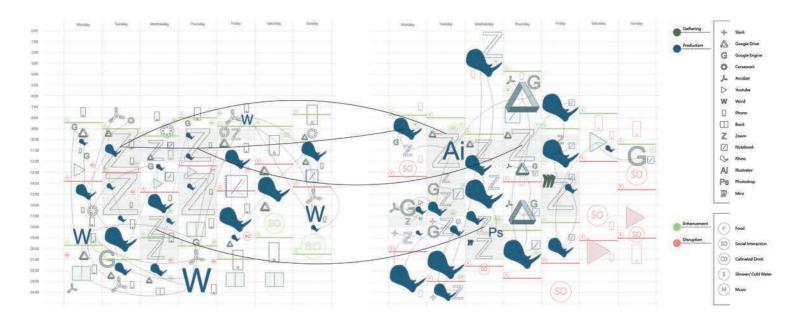




crew cabin



# movement through time



information gathering + producing over time

