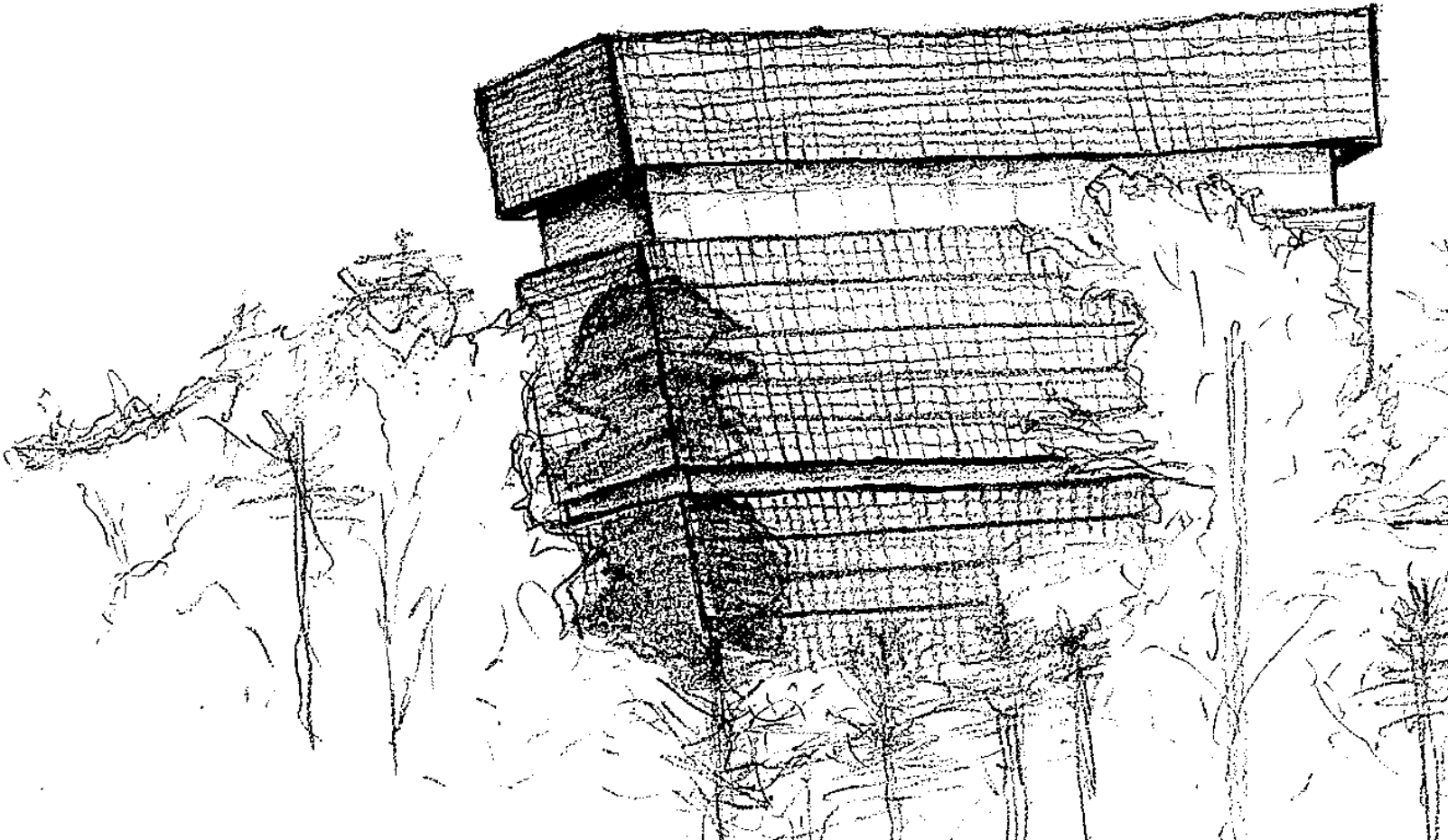


# Mid-Point

Andrew A. Hart

#03802996 -- BARCH-ARH

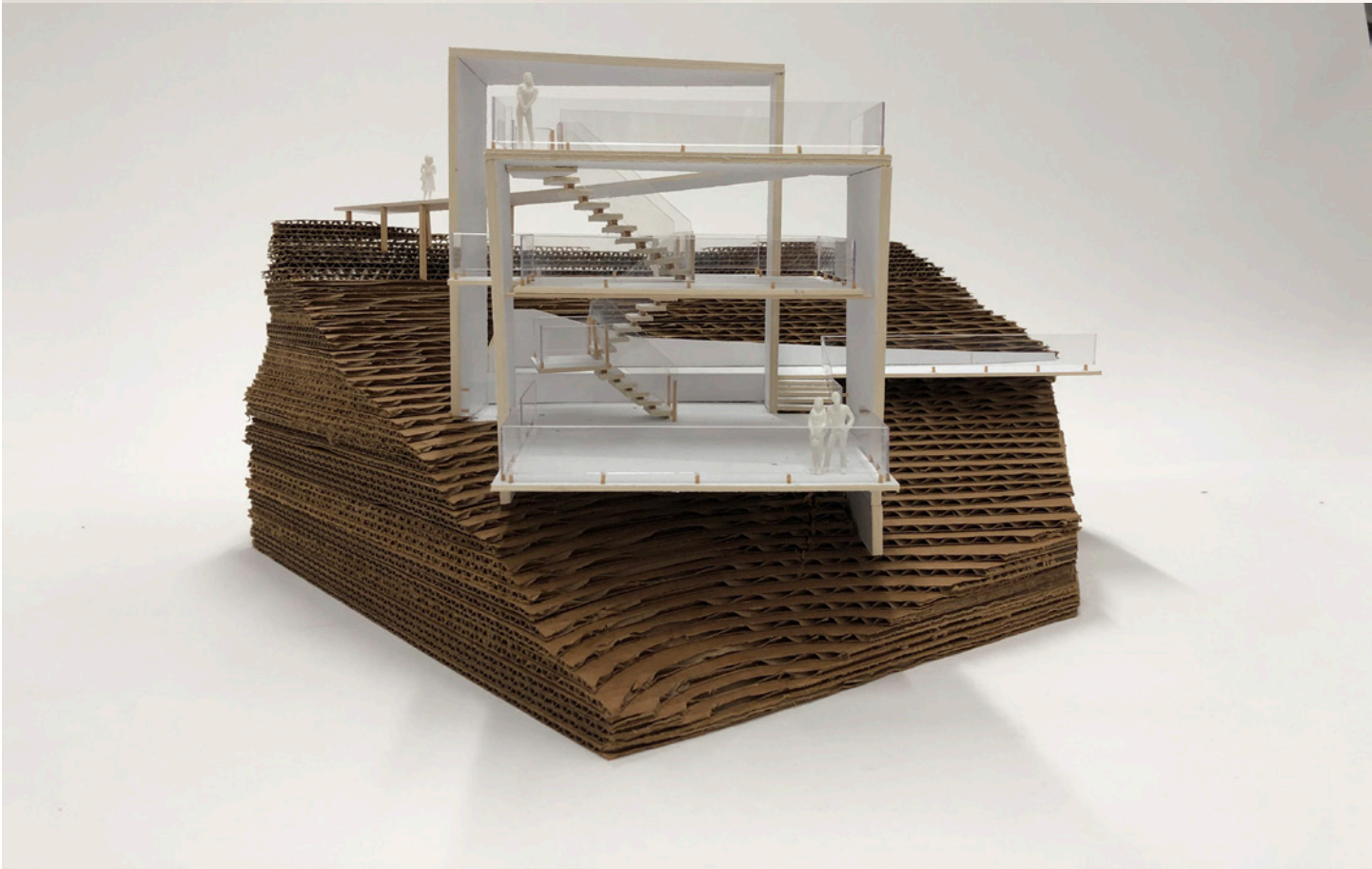
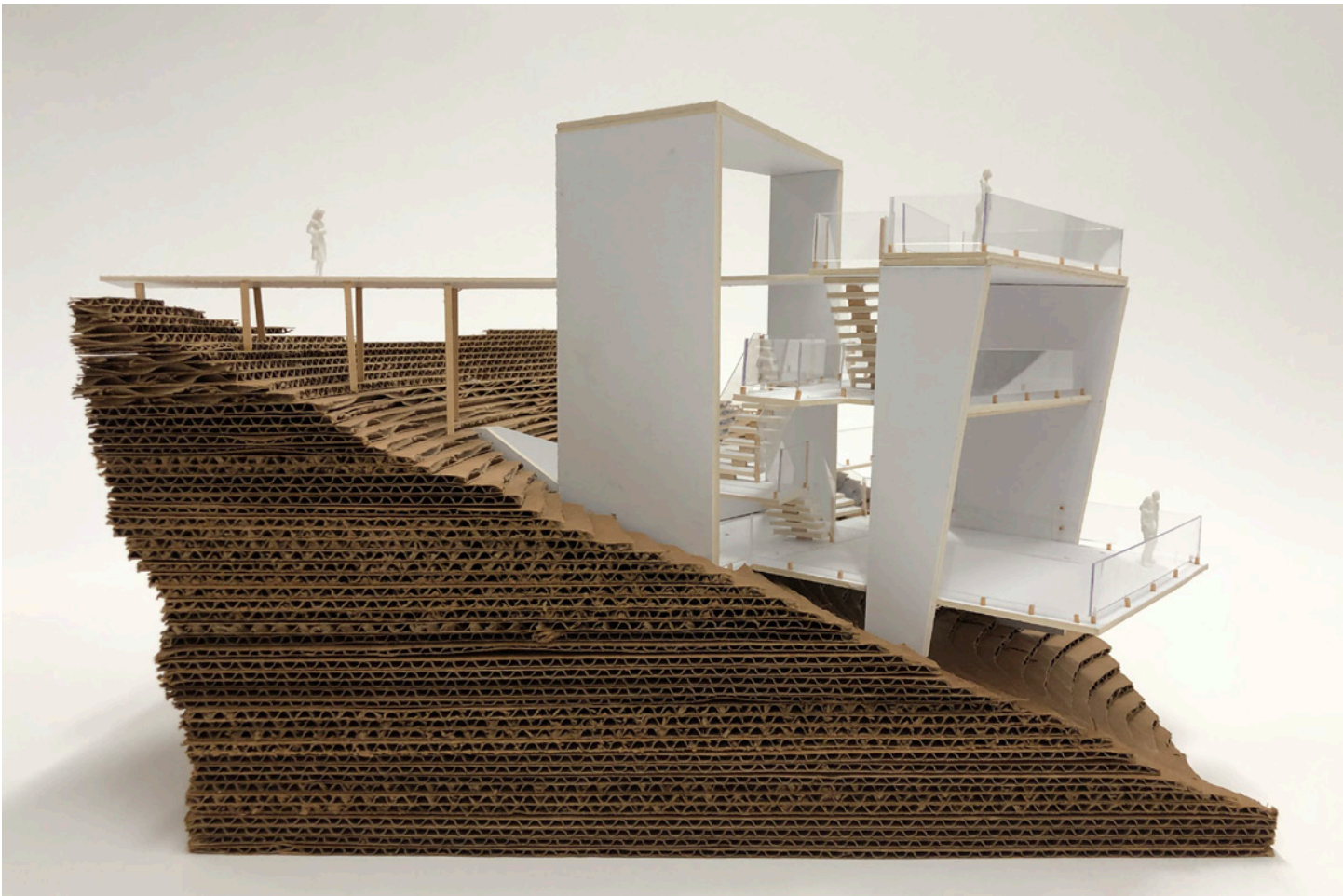




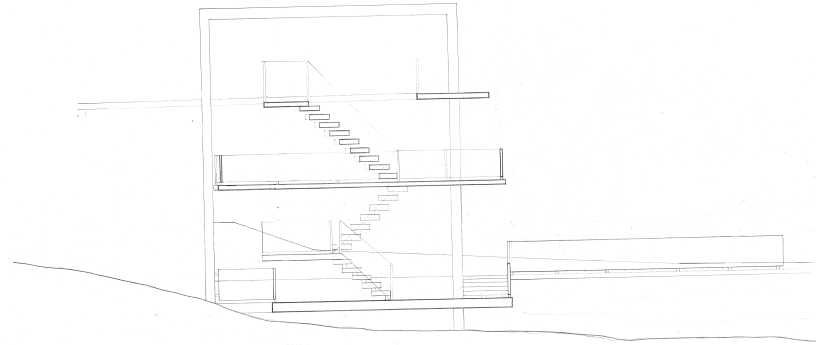
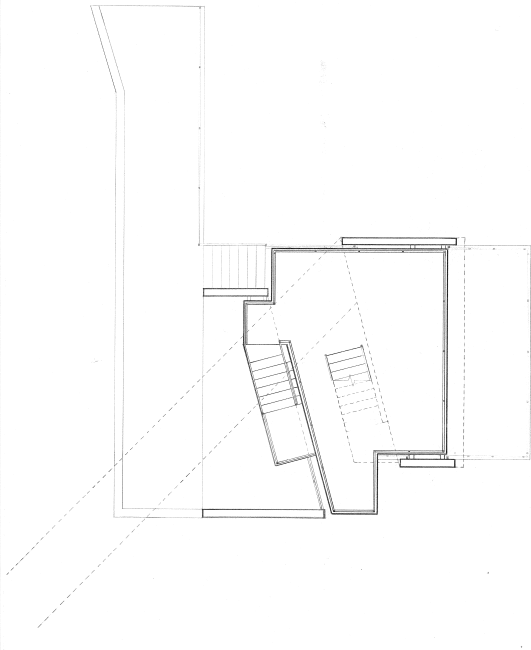
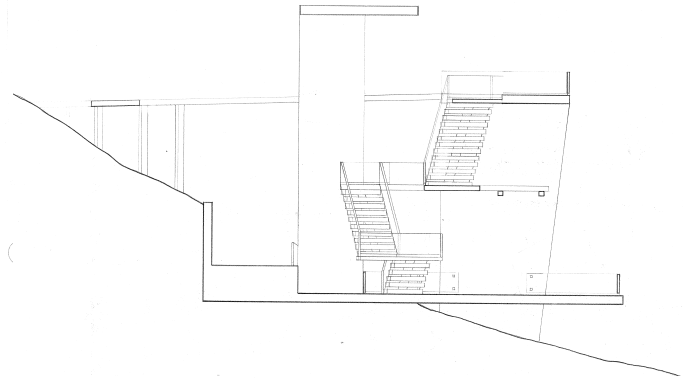
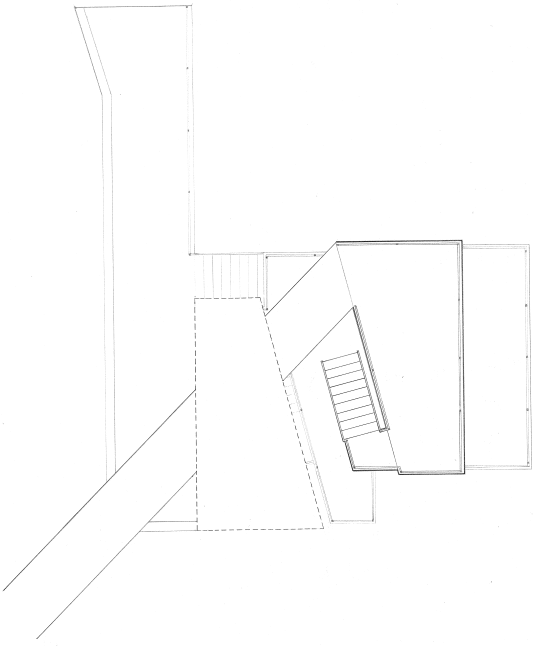
# **110 ARH 110 02: STUDIO 1: CONCEPTUAL DESIGN STUDIO**

Jennifer Asselstine

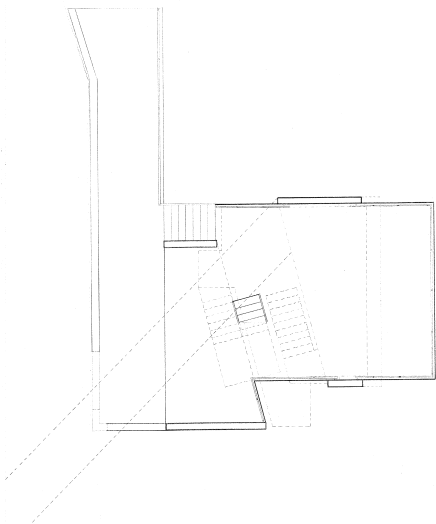
Carol Buhrmann



①



②





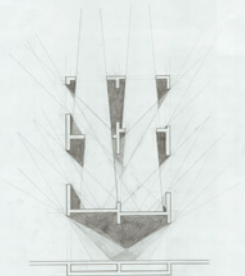
# **ARH 150 02: STUDIO 2: SPATIAL ORDERING & FORM**

Rebal Knayzeh

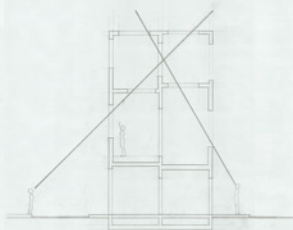
Cesar Lopez



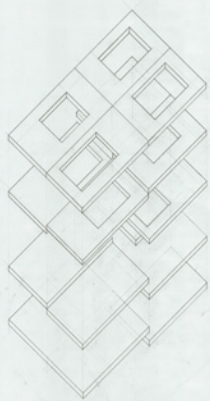
CIRCULATION



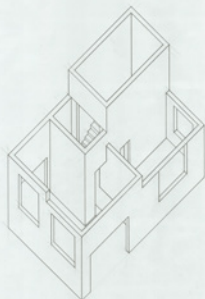
LIGHT & SHADOW



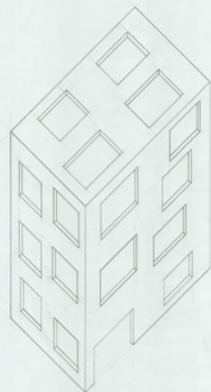
VIEWPOINT



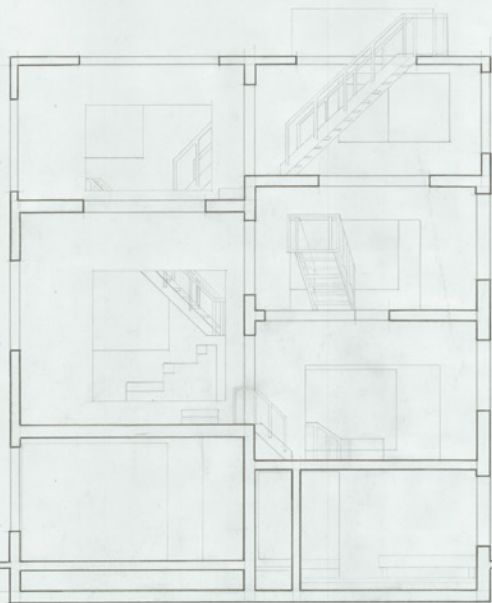
MODE & CONNECTIVITY



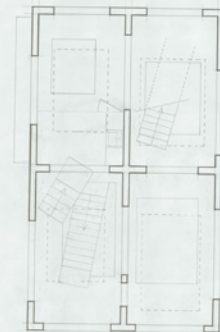
PARTS & VOLUME



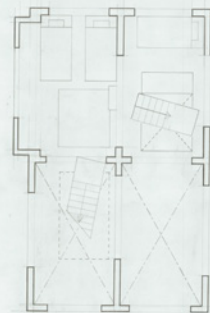
AXON



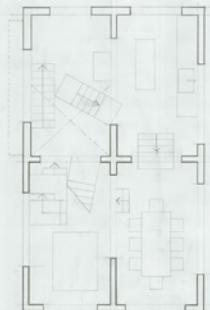
SECTION



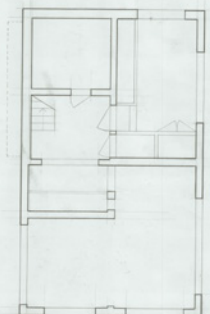
ROOF TERRACE



THIRD FLOOR

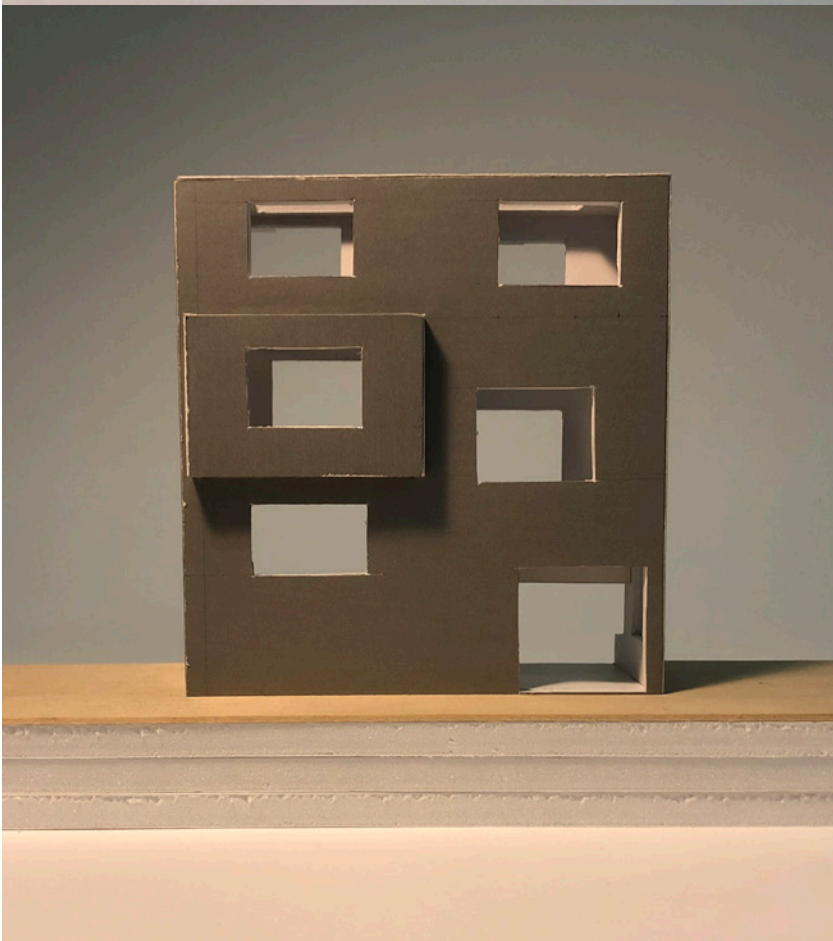
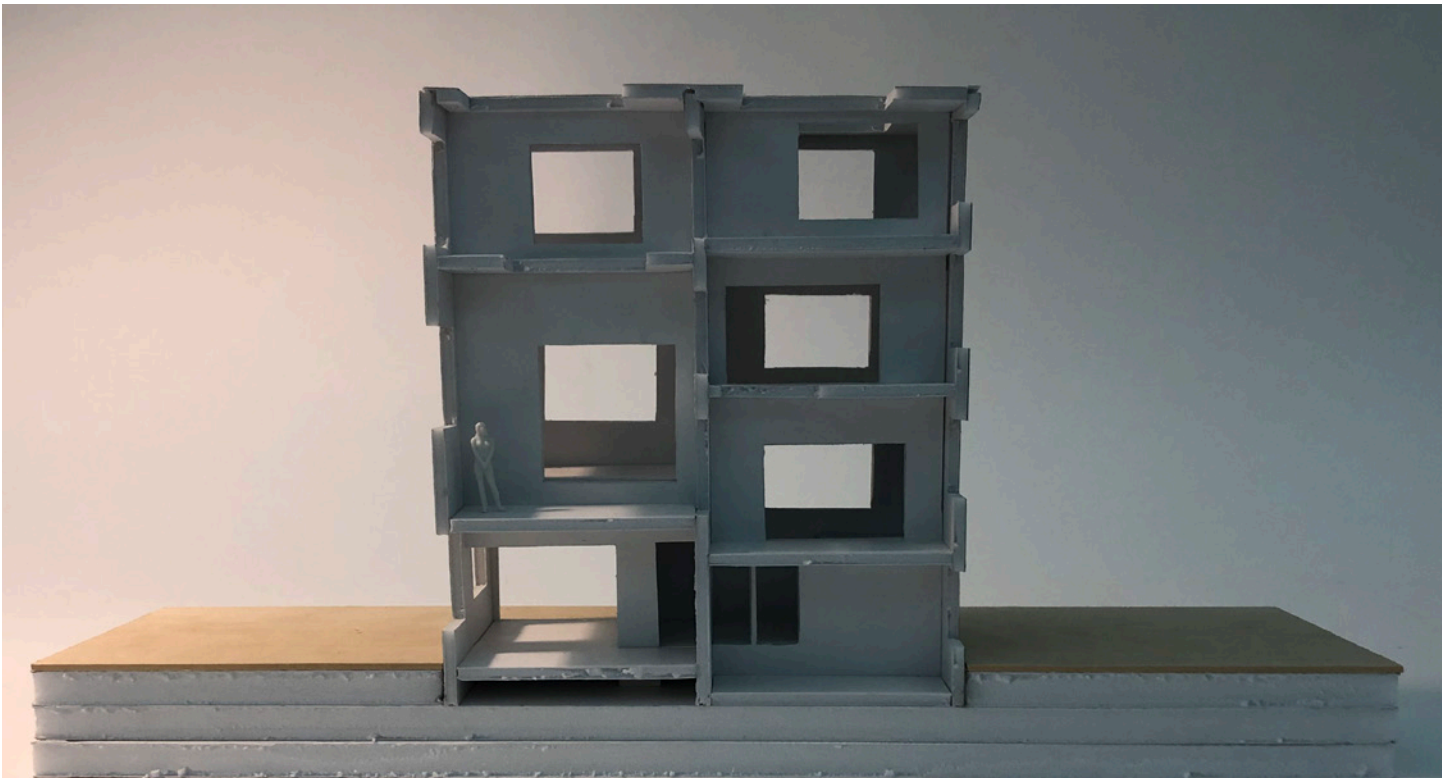


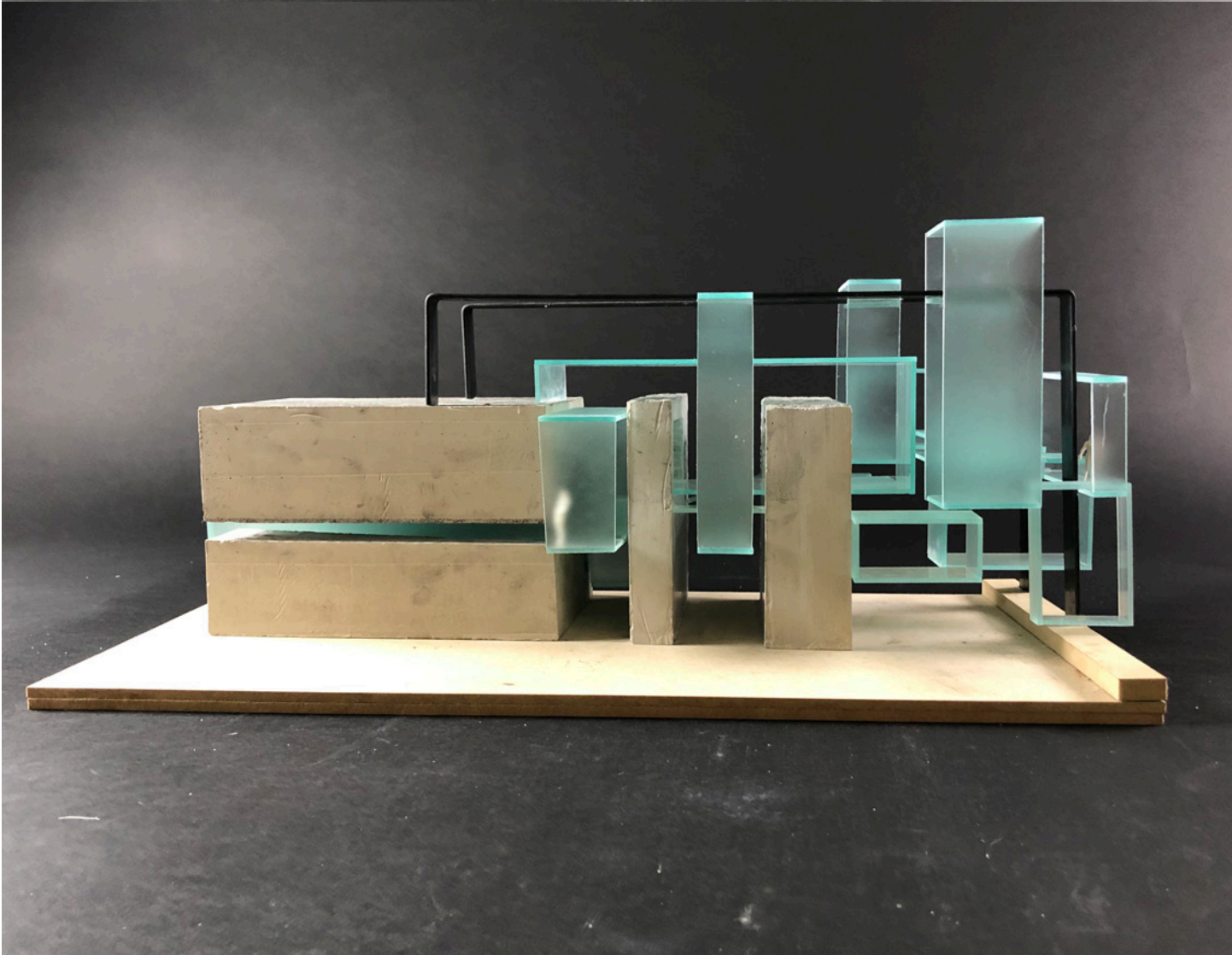
SECOND FLOOR

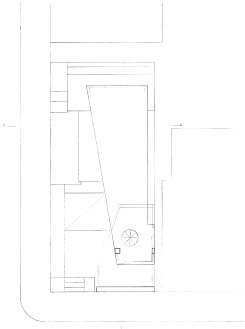


GROUND FLOOR

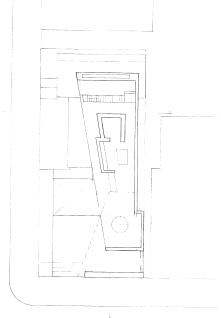




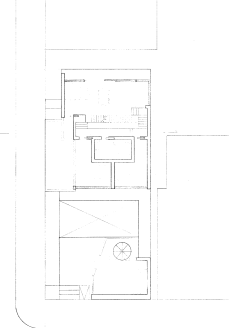




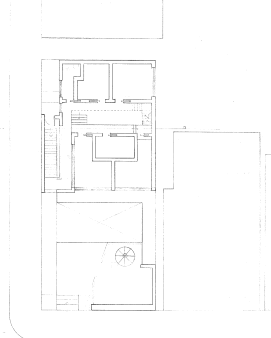
LEVEL FOUR



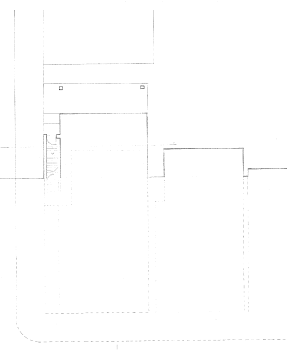
LEVEL THREE



LEVEL TWO



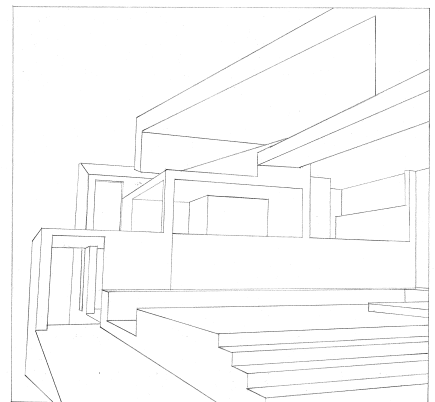
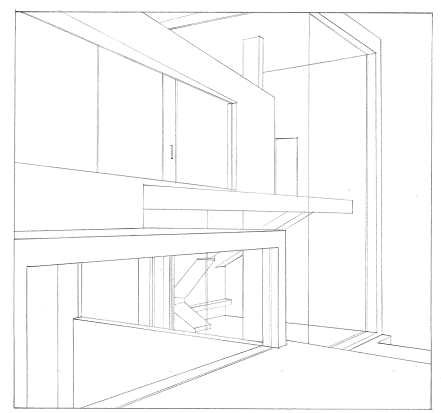
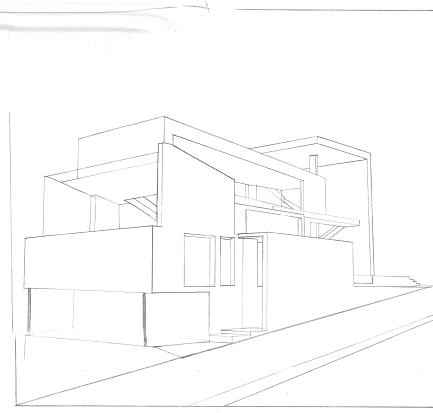
LEVEL ONE



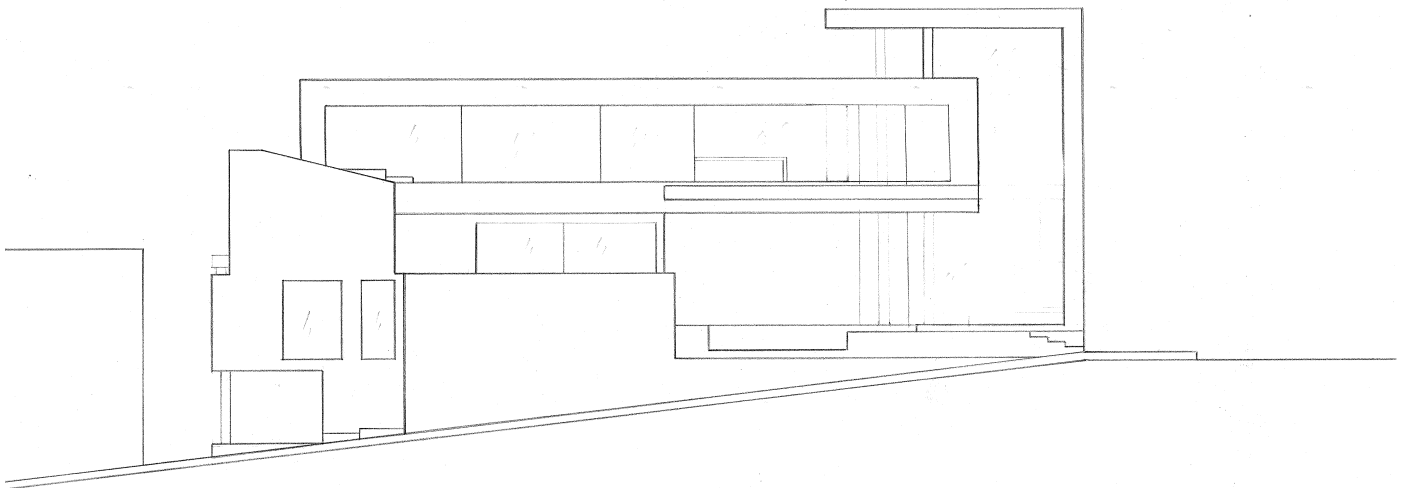
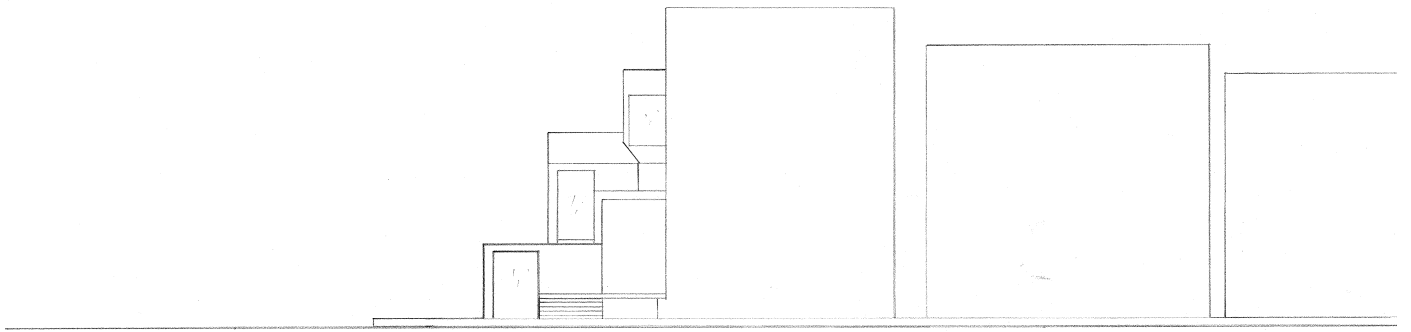
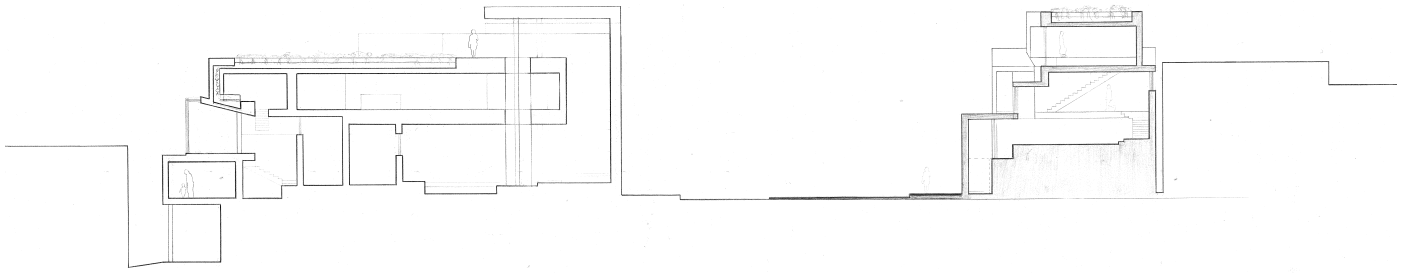
GROUND LEVEL



SITE PLAN



PERSPECTIVES



ELEVATIONS



# ARH 210 01: STUDIO 3: SITE OPERATIONS & TECTONIC SYS- TEMS

Alexandra Neyman

Andrew Hart In coloboration with, Jaroslave Sladek & Drishti Bajla (Model shown done collectively) (Line work in plans/Sections done by Jaroslave Sladek)

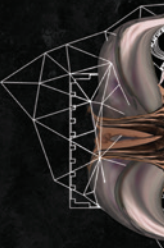
ROOF LEVEL



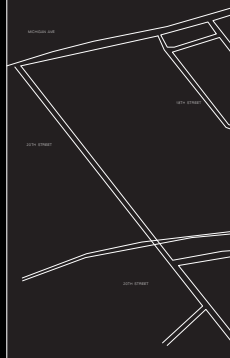
SECOND LEVEL

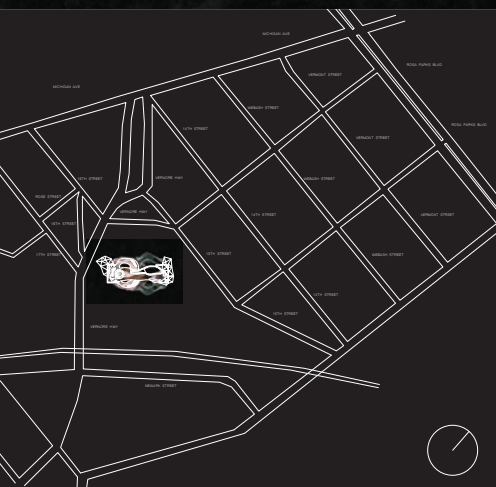
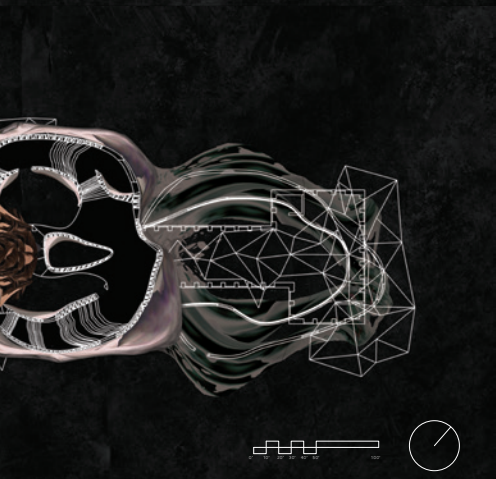
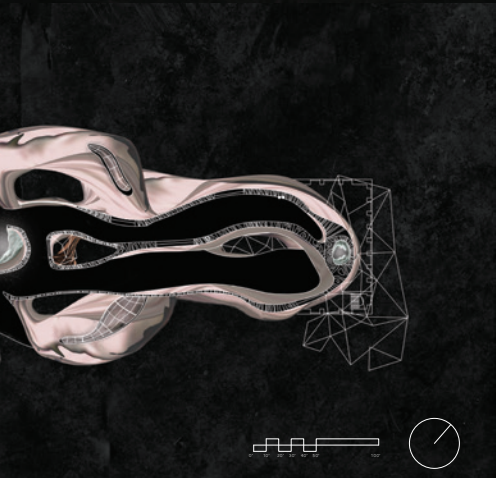
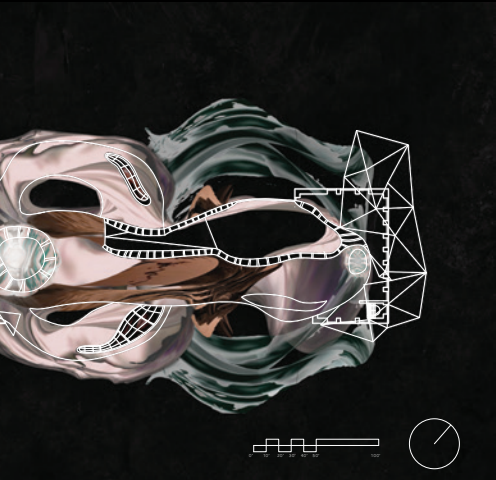


GROUND LEVEL



SITE PLAN

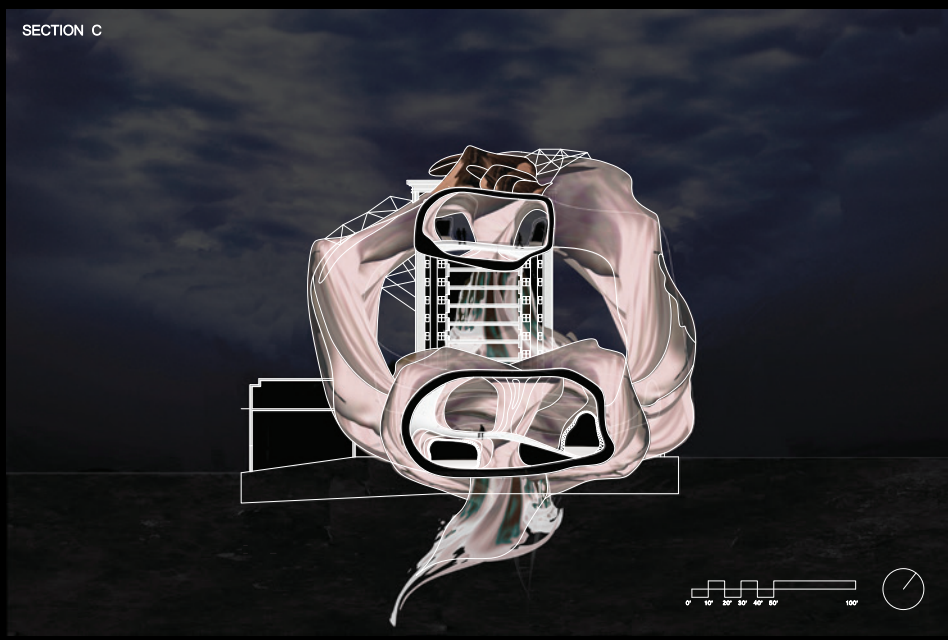




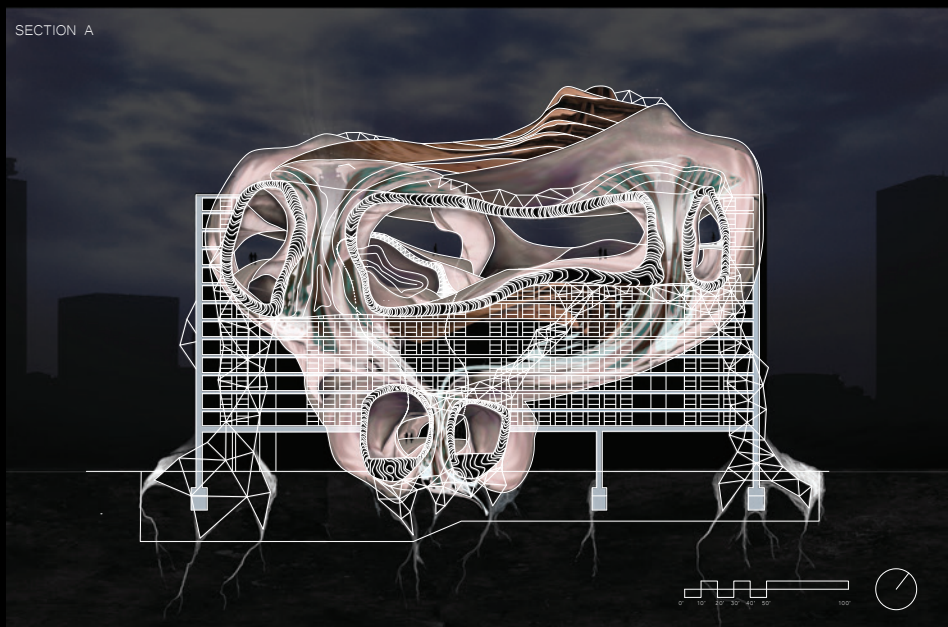
SECTION B



SECTION C



SECTION A



SECTION A

TRANSFORMATION

458

536

614

992

770

1:06

1:07

Waves are exposed with each flash of light.

1:08

Volumes fill with light uncovering new structures.

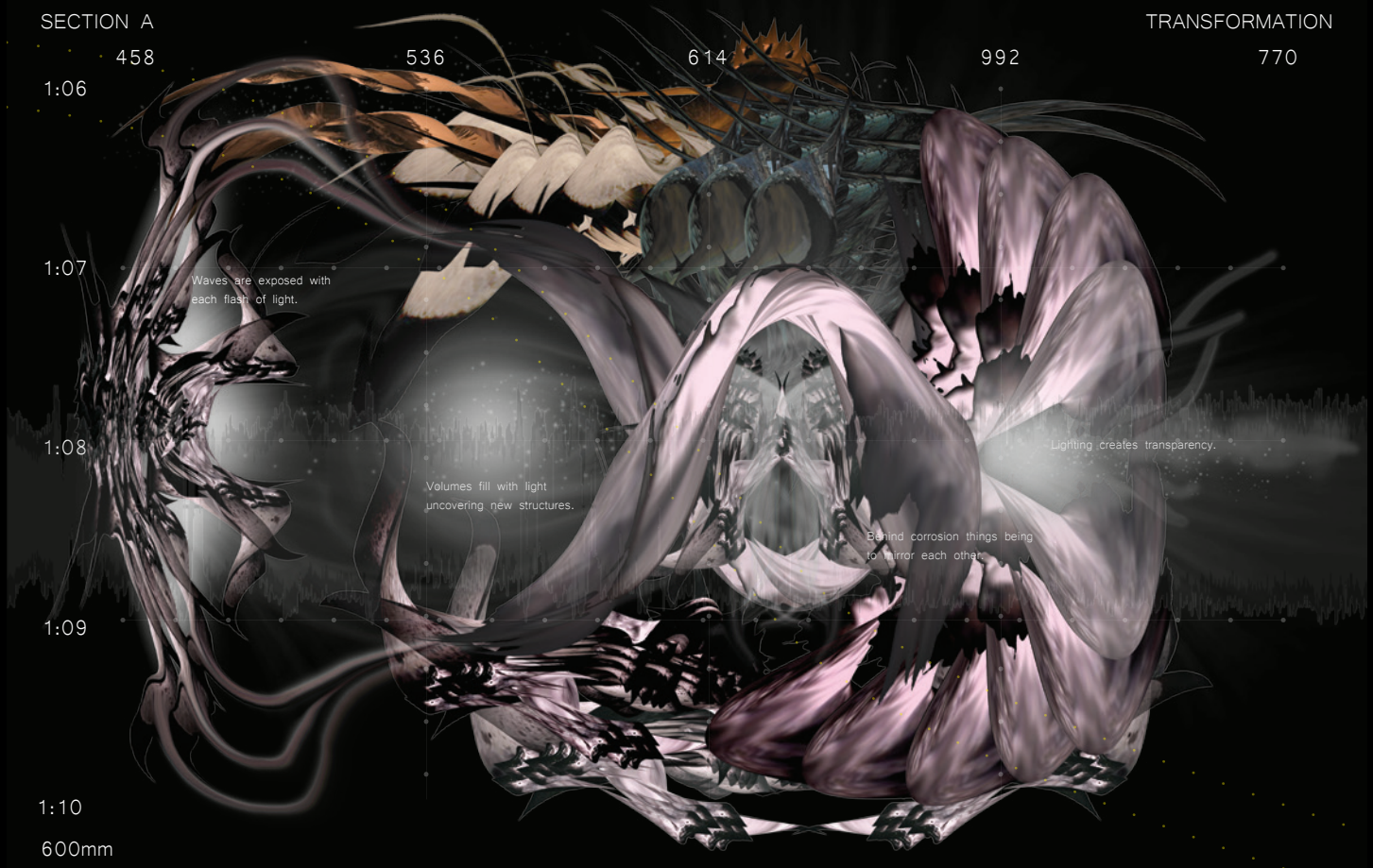
Lighting creates transparency.

Behind corrosion things begin to mirror each other.

1:09

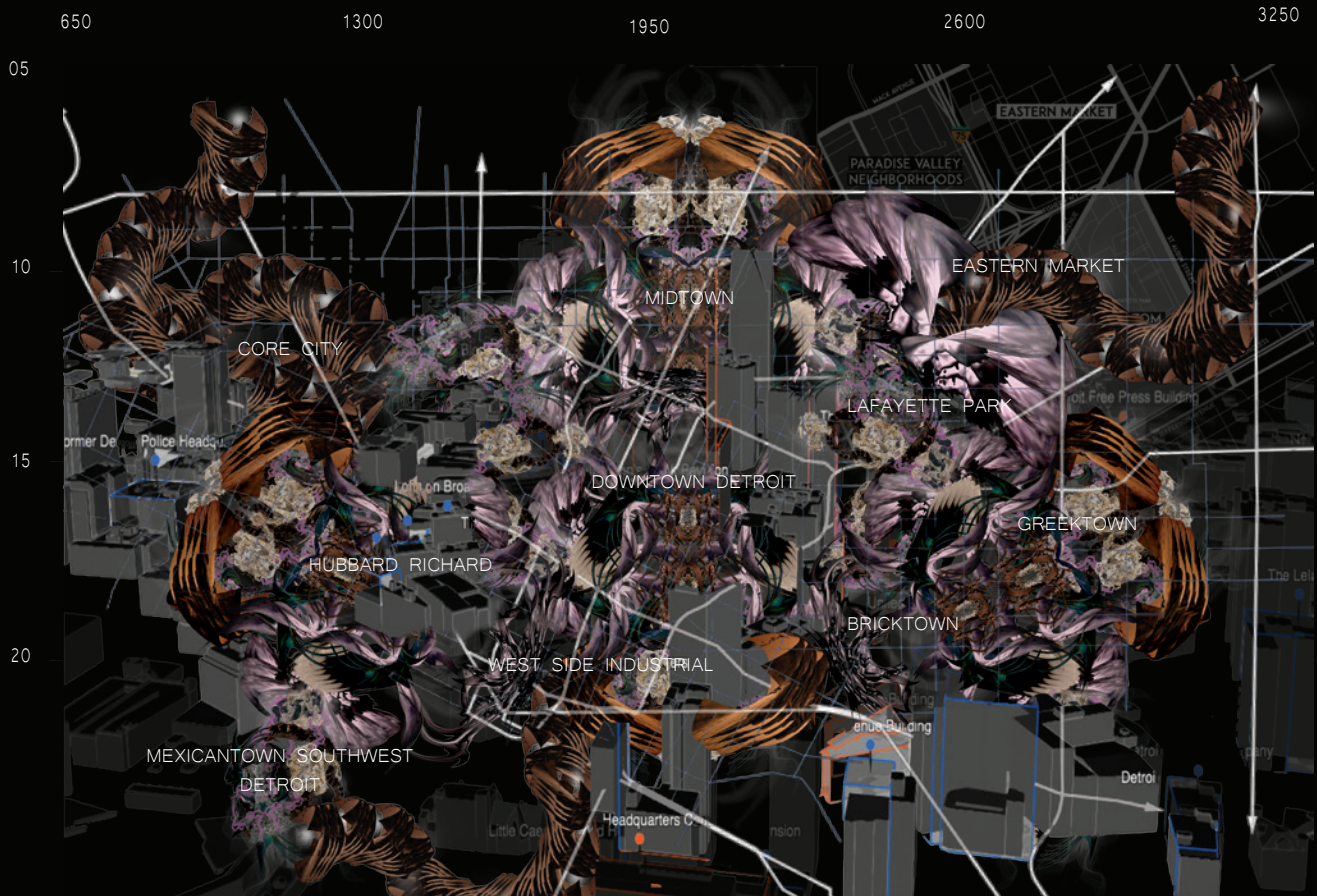
1:10

600mm

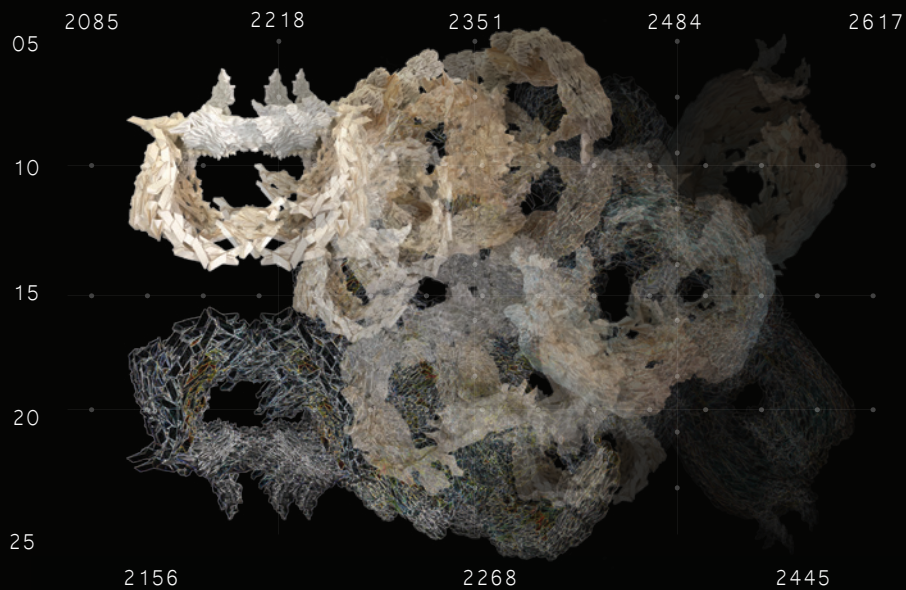




DETROIT MAP

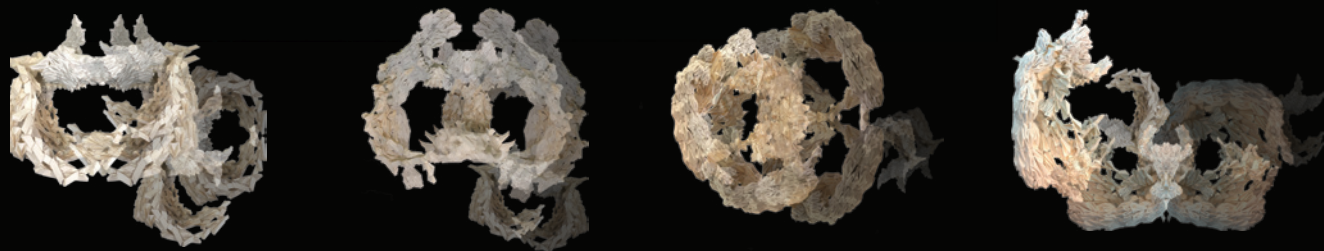


MODEL DRAWING



MODEL RULES

- Dripping leads to a loop.
- Reflections show a new view out of frame.
- Trapped environment eaten away by water.
- Where there is a symmetry, there is growth beneath.
- Pouring over into a new flow.



# PROGRAM DIAGRAM

TIME

## HOURS OF OPERATION

Events

Tuesdays

Weekends

12:00 PM - 12:00 AM

7:30 PM - 2:00 AM

6:00 PM - 8:00 AM

9:00 AM - 3:00 PM

12:00 PM - 8:00 PM

9:00 AM - 3:00 PM

### GAMING ARENA

4000 sqf

The arena reflects the physical landscape - virtual times.

Gamers, Gaming attire, Mobile Devices, Mirror Competition

### WORKSHOP 2

### WORKSHOPS

800 sqf

Gaming and Art Workshops offered Students & Instructors

### WORKSHOP 3

### TRADE

32

Gamers, Local Selling, Buying, Trade Mobile Pods

### ART GALLERY

1500 sqf

Art Installations, Virtual Gallery, Studios, Warehouse, Artists, Critics, Viewers, Buyers

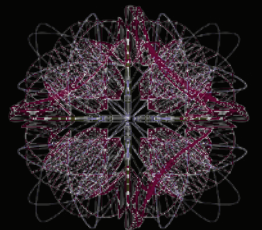
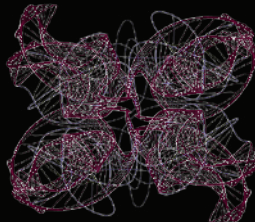
### URB

### ART GALLERY WORKSHOP

### FASHION SHO

2750 sqf

Runway, lighting, live magazines, models, design Gaming attire, Virtual ey



VIRTUAL GAMING ARENA

ly three  
Screens,

DIGITAL PROGRAMING

1800sqf

Observing the different behaviors.  
Creating new digital gaming programs  
Engineers, Suryveors, Fabricators, Technitions  
Computers, rendering,

MARKET

50 sqf  
s, Tourists, Traders  
ding, Live Entertainment  
, Pavillion, Stage

SAN MARKET

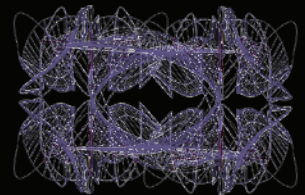
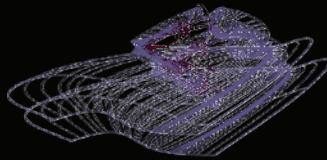
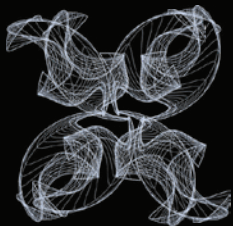
EASTERN MARKET

1500 sqf

Eastern Market Extension through Downtown Detroit to  
Michigan Train Depot  
Buyers, Sellers, Locals, Tourists

DOW

music  
gners  
ewear



2:00 PM - 12:00 AM  
9:00 PM - 2:00 AM  
6:00 PM - 8:00 AM

1:00 PM - 12:00 AM  
7:30 PM - 3:00 AM  
6:00 PM - 2:00 AM

12:00 PM - 12:00 AM  
7:30 PM - 2:00 AM  
6:00 PM - 8:00 AM

# MICHIGAN TRAIN DEPOT DRAWINGS

650

1300

1950

2600

3250

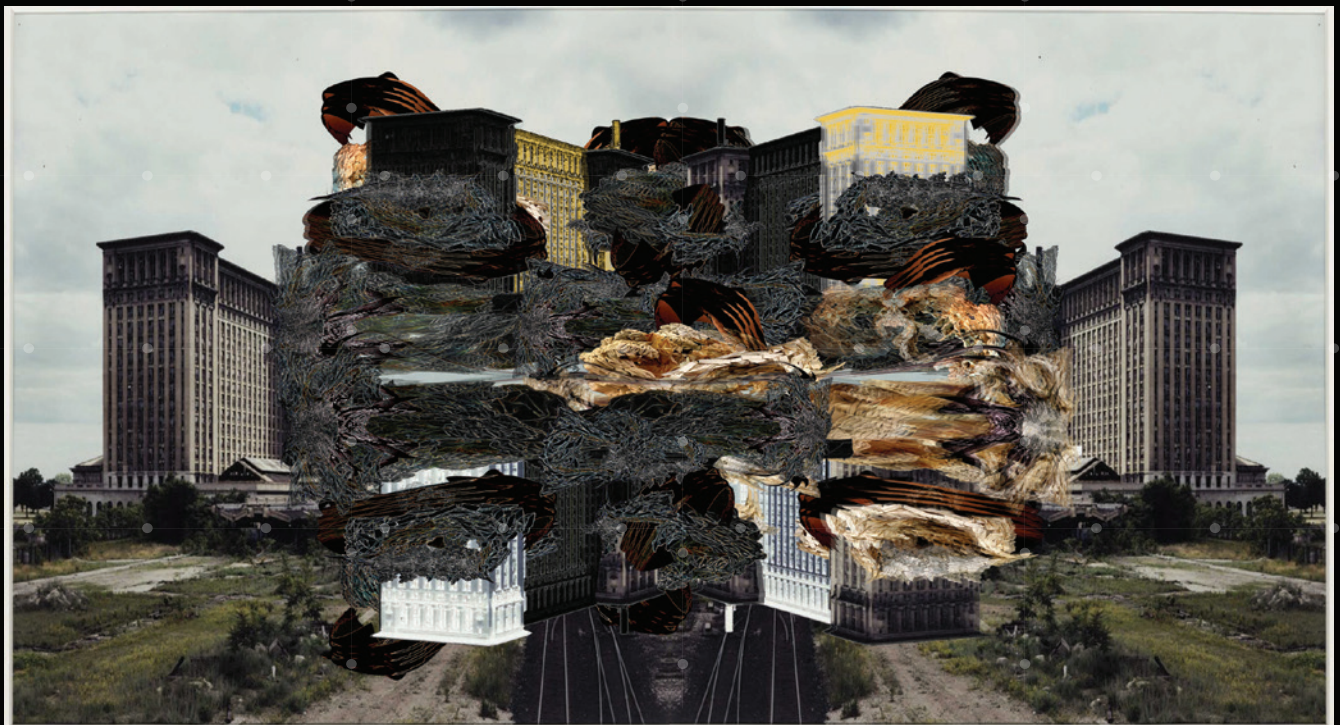
05

10

15

20

25



650

1300

1950

2600

3250

05

10

15

20

25



650 1300 1950 2600 3250

05

10

15

20

25



650 1300 1950 2600 3250

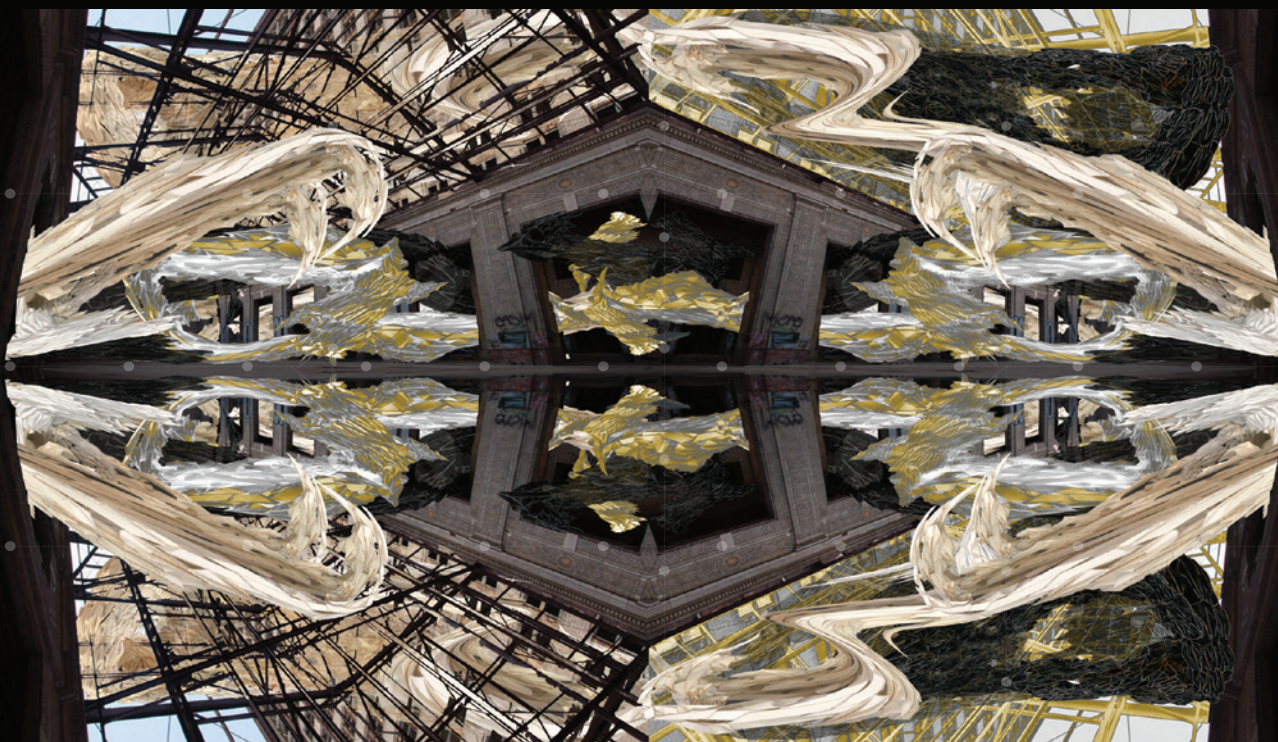
05

10

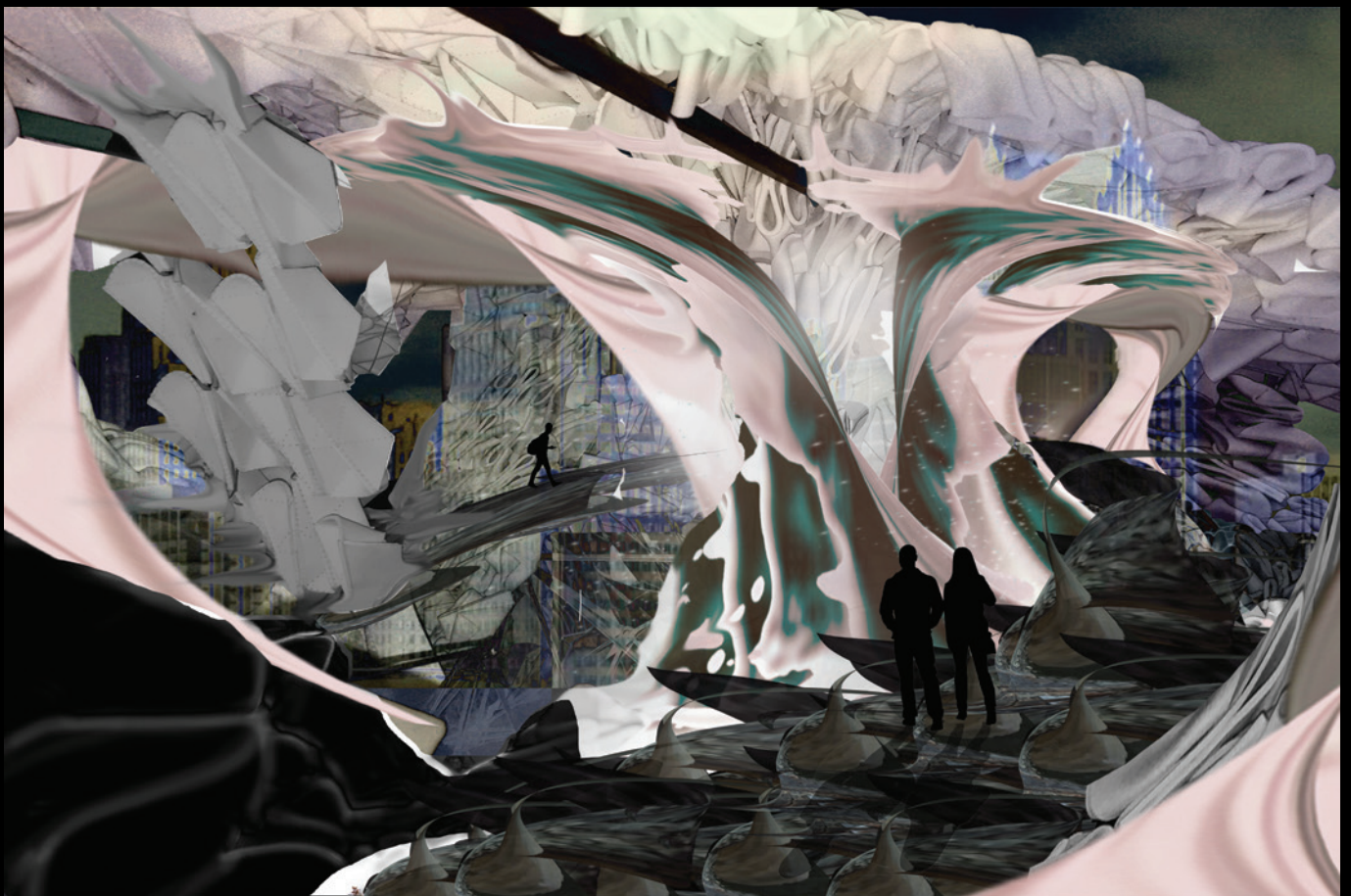
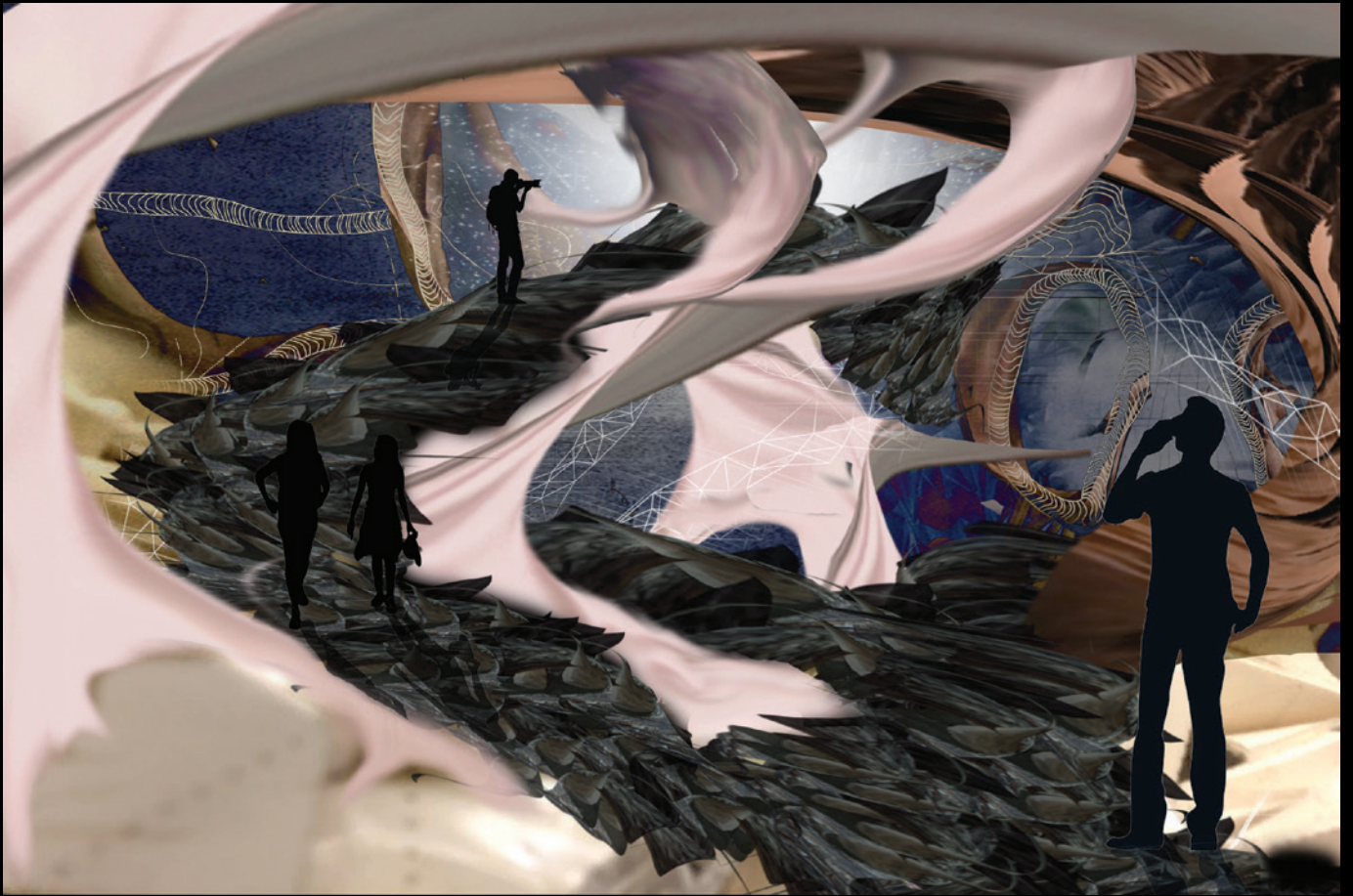
15

20

25



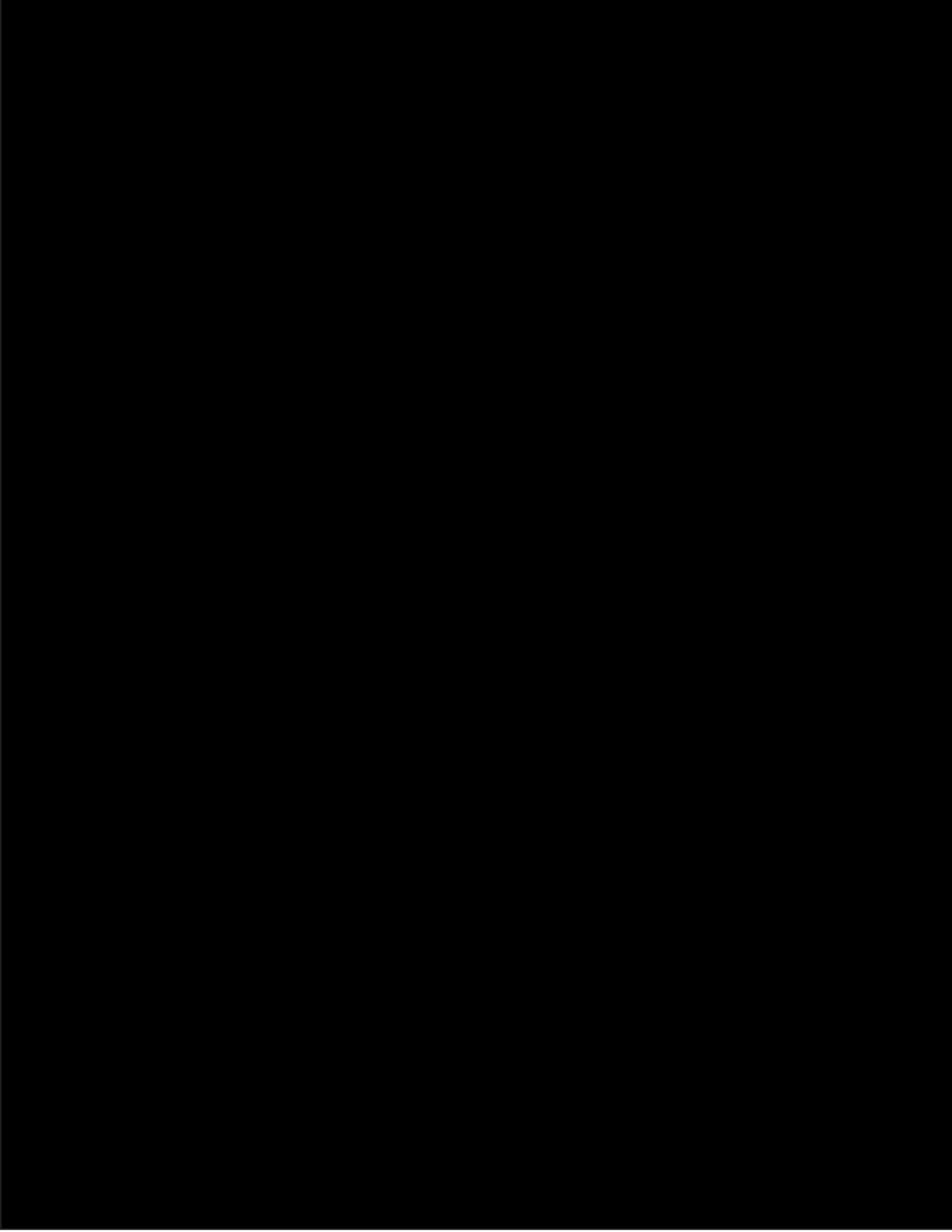


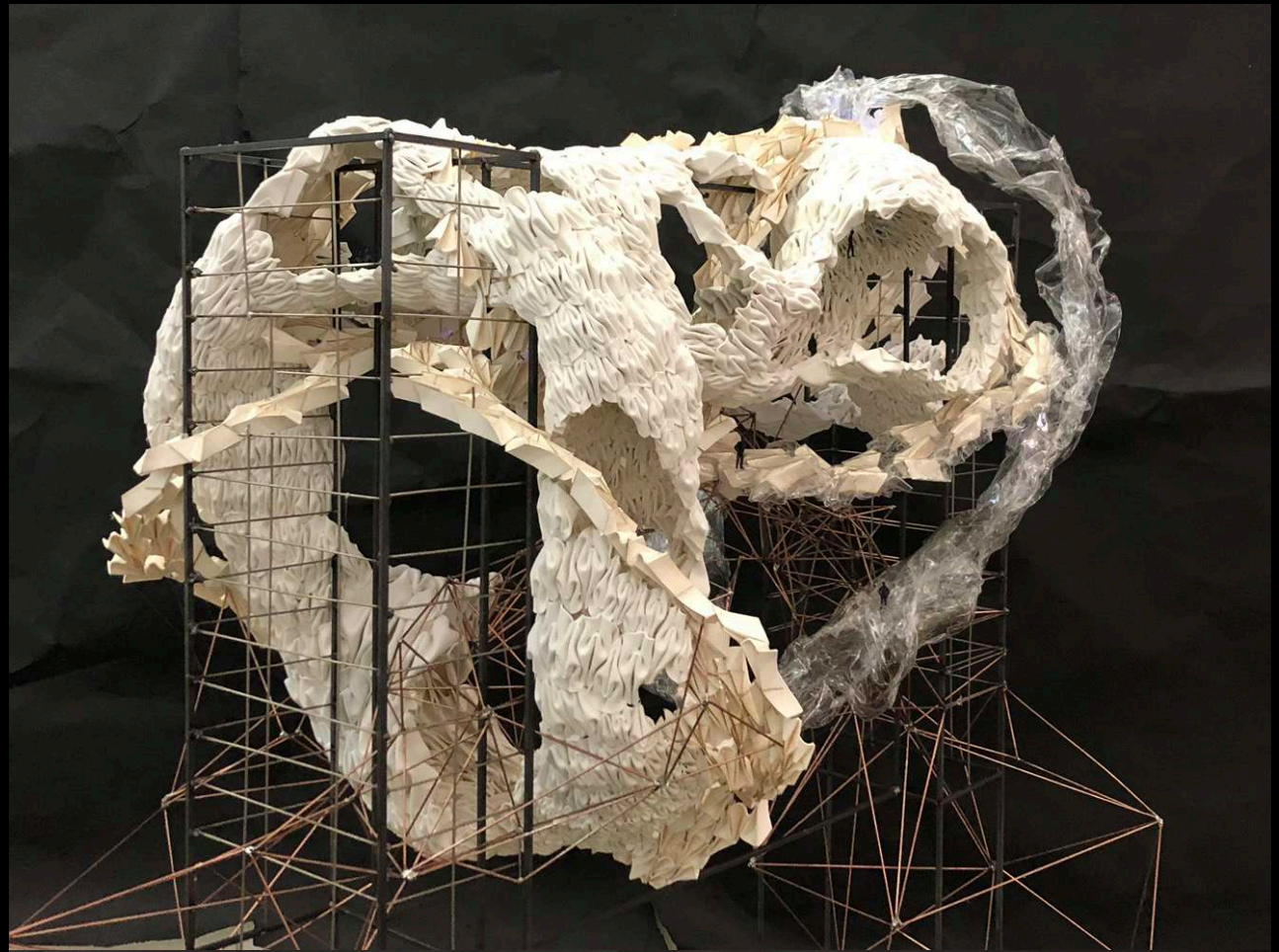










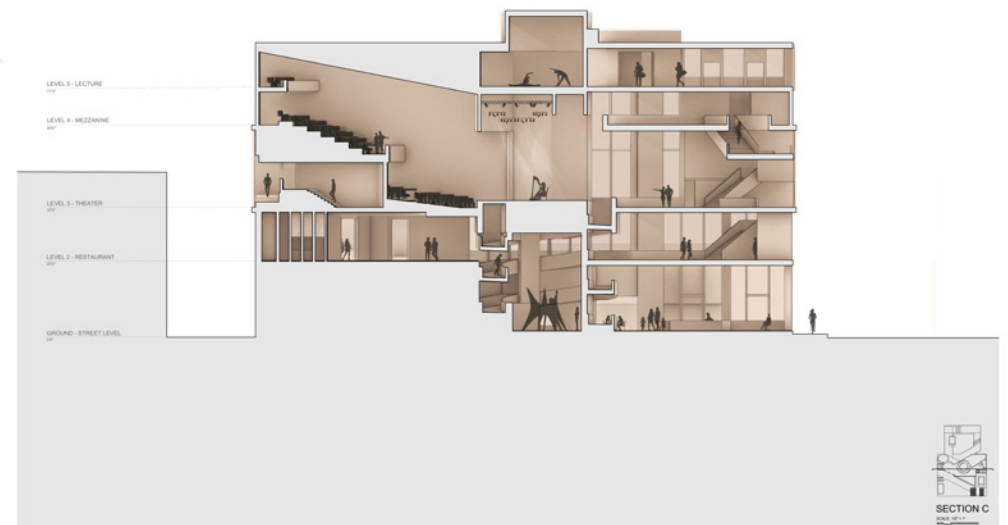
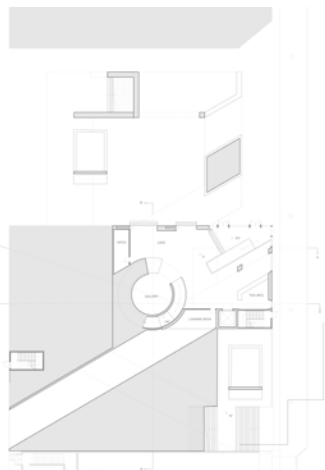
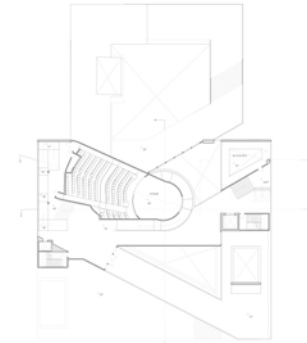
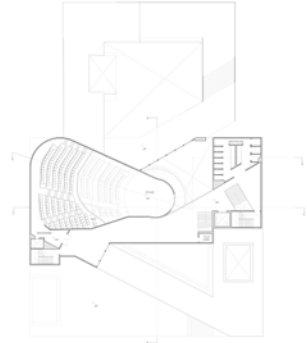






# **ARH 255 02: STUDIO 4: ASSEMBLY BUILD- ING & CONTEXT**

Doron Serban



# PAINTING ANALYSIS

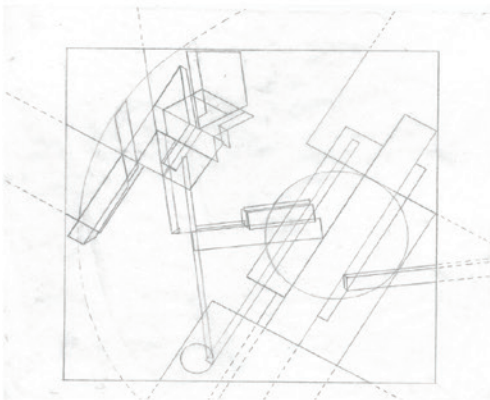
EL LISSITSKY PROUN 19D 1920 - 1921



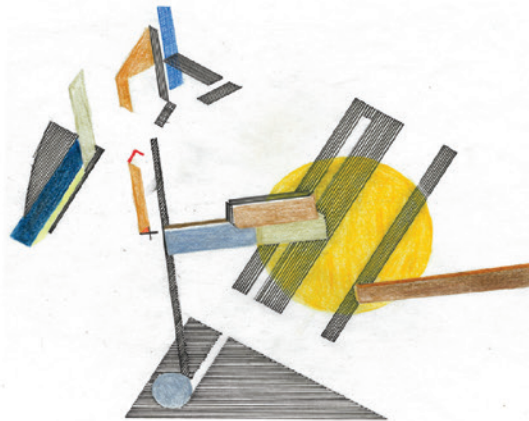
## EXPRESSING:

- SPATIAL COMPOSITION
- CONTRAST BETWEEN ELEMENTS
- ASYMETRICAL BALANCE
- RELATIONSHIP OF FORMS TO NEGATIVE SPACE
- BOLD GEOMETRIC SHAPES

LISSITSKY USES GEOMETRIC SHAPES AND COLORS TO MAKE STRONG POLITICAL STATEMENTS; THERE IS A DESIRE FOR A NEW GOVERNMENT GOVERNED BY THE PEOPLE FOR THE PEOPLE. IT WAS ABOUT SEEING REALITY. DURING LISSITSKY'S PROUN SERIES HE COMBINED ARCHITECTURE AND 3D DIMENSIONAL SPACE WITH TRADITIONAL AND ABSTRACT 2D DIMENSIONAL IMAGERY.



INTERSECTING GEOMETRY



PHENOMENAL TRANSPARENCY



FIRST ITERATION  
CHIPBOARD

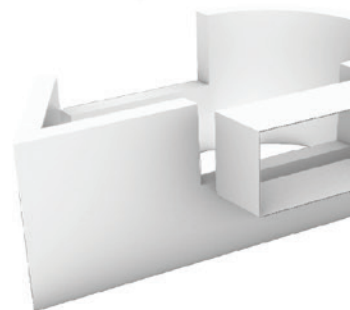


EAST ELEVATION

## 3D DIMENSIONAL THROUGH CHIPBOARD



CURVE  
BY LINE







FINAL ITERATION  
CHIPBOARD



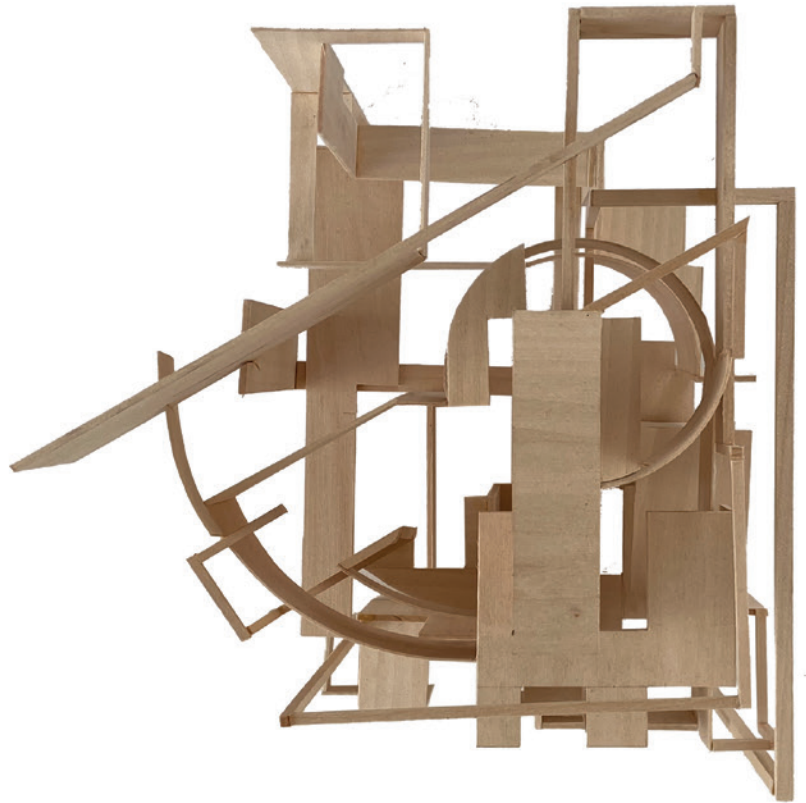
CAST MODEL



SOUTH ELEVATION



WEST ELEVATION



PLAN VIEW

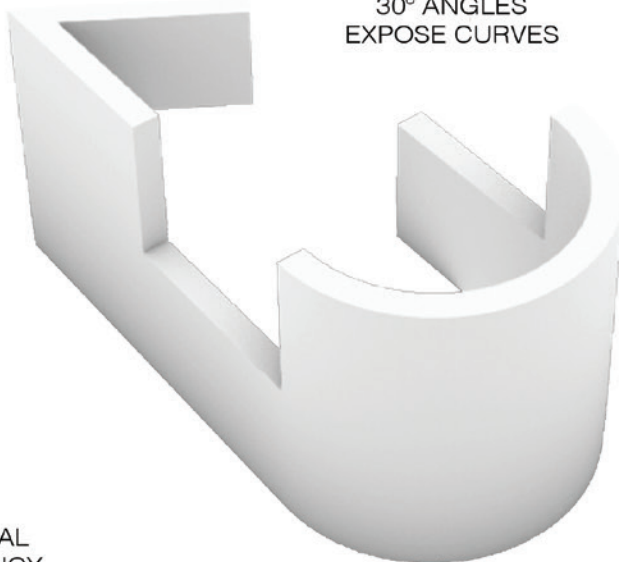
# FUNCTIONAL INTERPRETATION

CHIPBOARD, CAST, BASSWOOD

SHARP  
BROKEN  
NEAR LINES



PHENOMENAL  
TRANSPARENCY



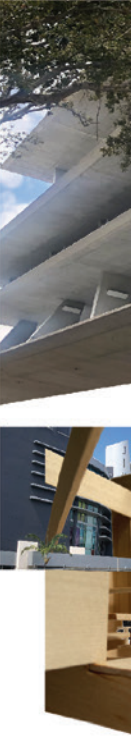
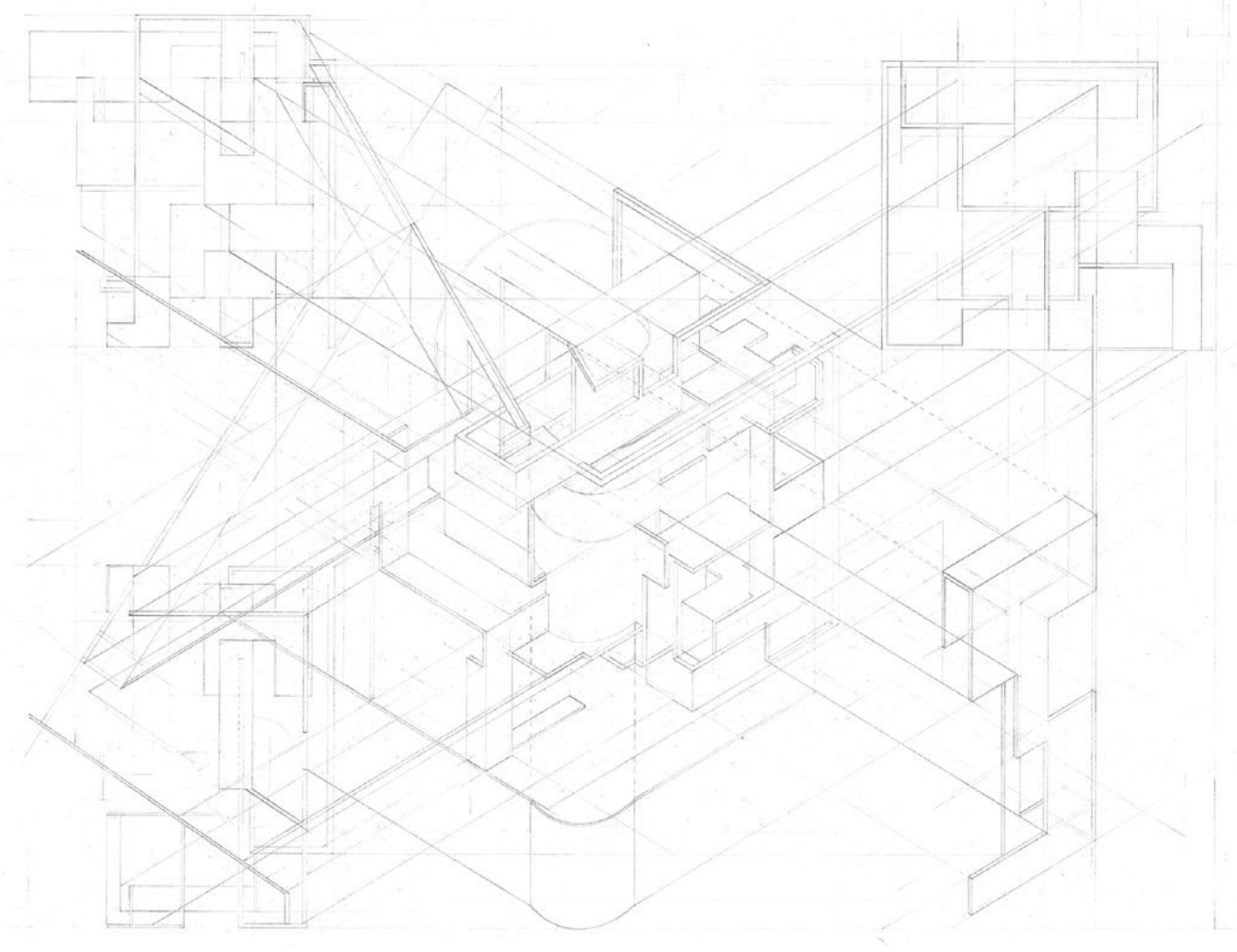
30° ANGLES  
EXPOSE CURVES

## PROTOCOL:

1. CURVES OR IMPLIED CIRCLES ACT AS ANCHORS
2. 30° ANGLES GUIDE YOU THROUGH GEOMETRIES
3. PERPENDICULAR LINES IMPLY OVERLAPPING
4. EVERY PLANE SHIFT IN A NEW DIRECTION
5. DENSITY IS CREATED BY CUTTING AND SHIFTING PLANES
6. LINEAR GEOMETRIES CLUSTER AWAY FROM CIRCULAR GEOMETRIES
7. CIRCULAR SHAPES ACT AS ANCHORS
8. 30° ANGLES CUT GEOMETRY AND SHIFT THE DIRECTION
9. NEW SHAPES ARE CUT AND EXTENDED FROM PREVIOUS SHAPES

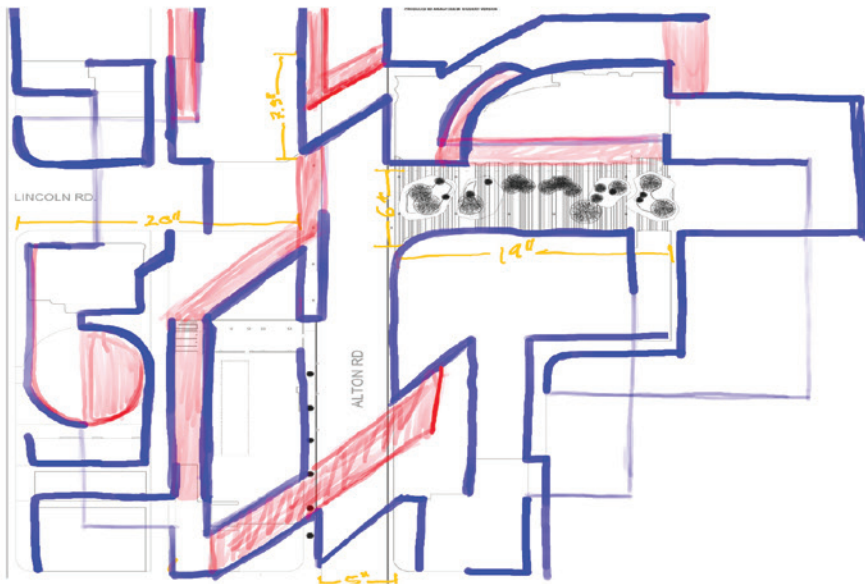
# GENERATIVE ANALYTICAL DRAWING

## AXONOMETRIC

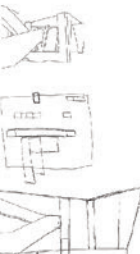


# MAPPING MIAMI

## LINCOLN/ALTON ANALYSIS



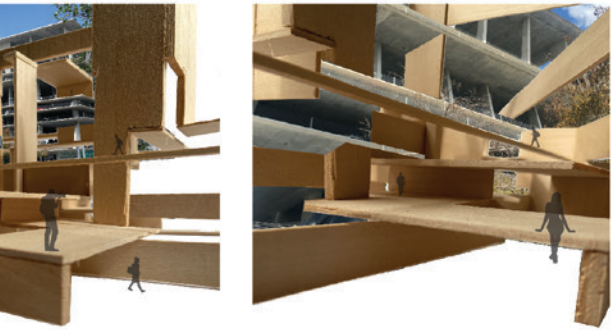
1111 LINCOLN RD HERZON & DE MEURON



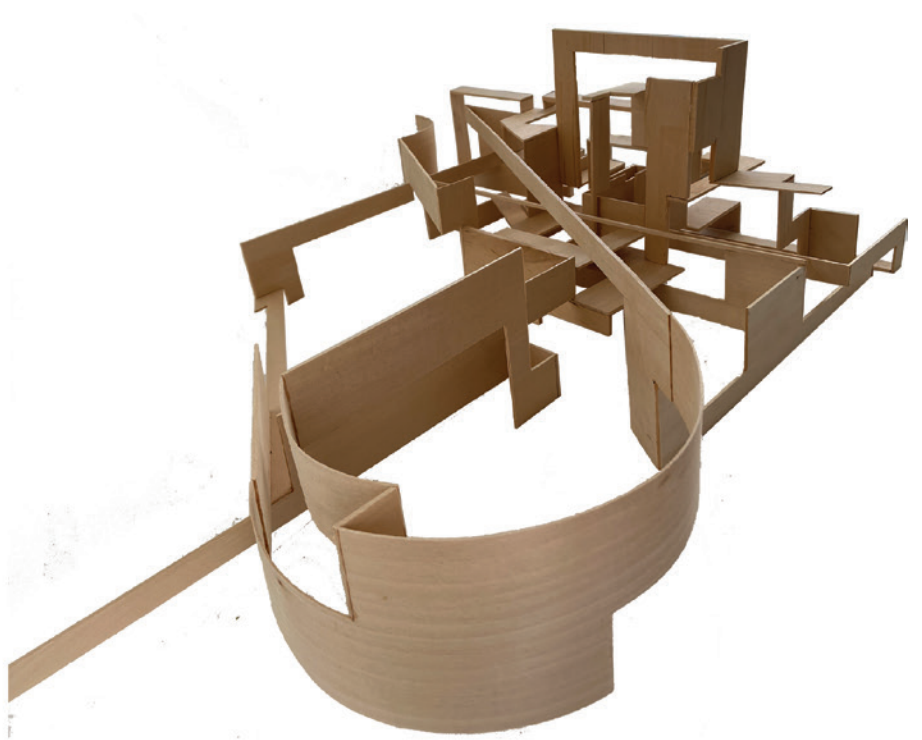
NEW WORLD CENTER FRANK GEHRY



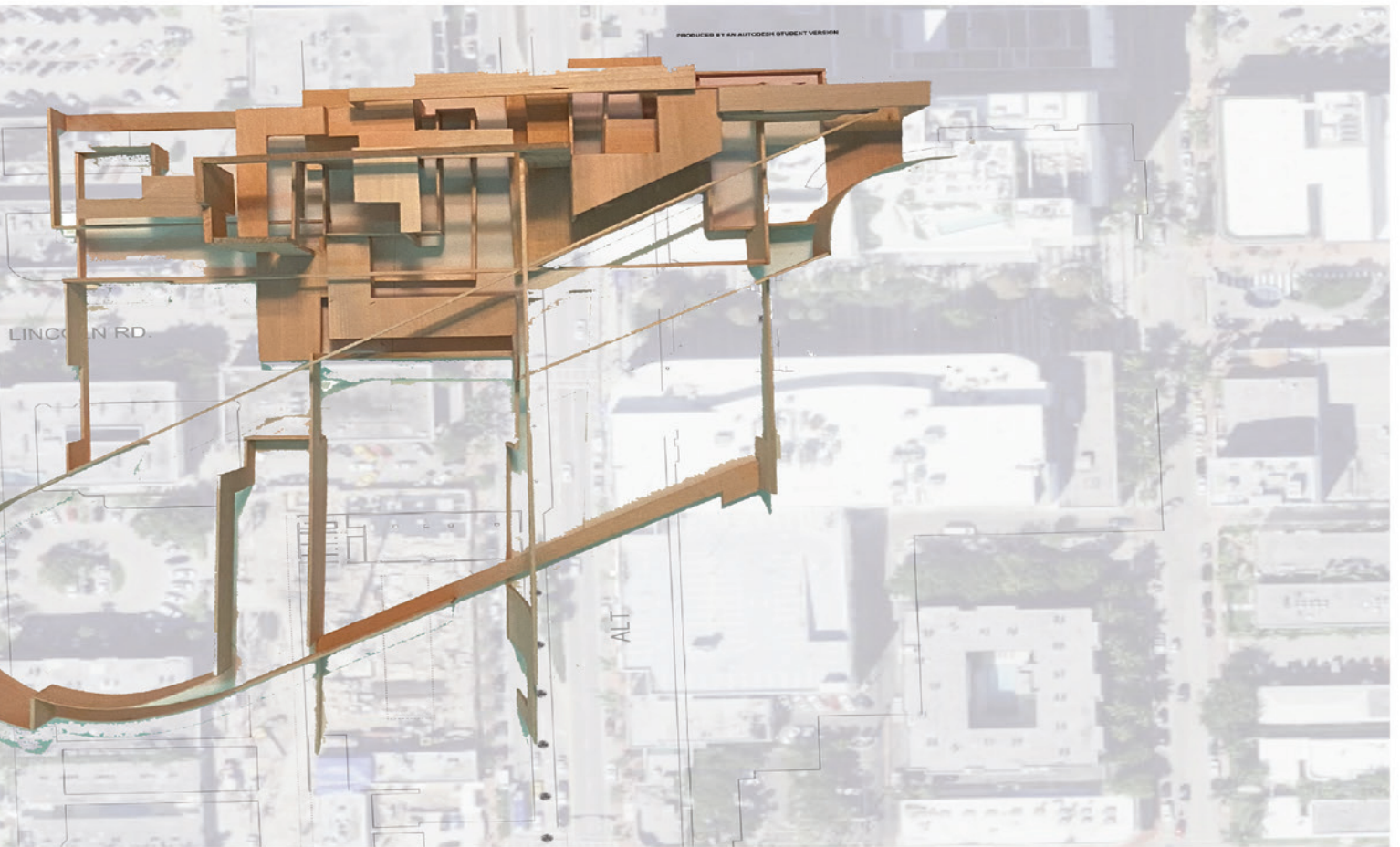
ANA  
LINCOLN



PERSPECTIVES



MODEL - BASSWOOD

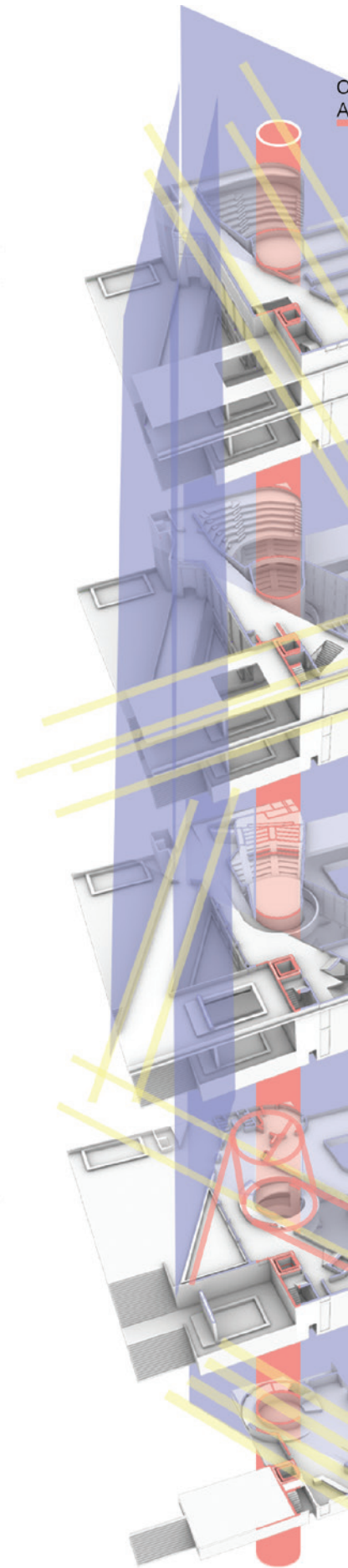
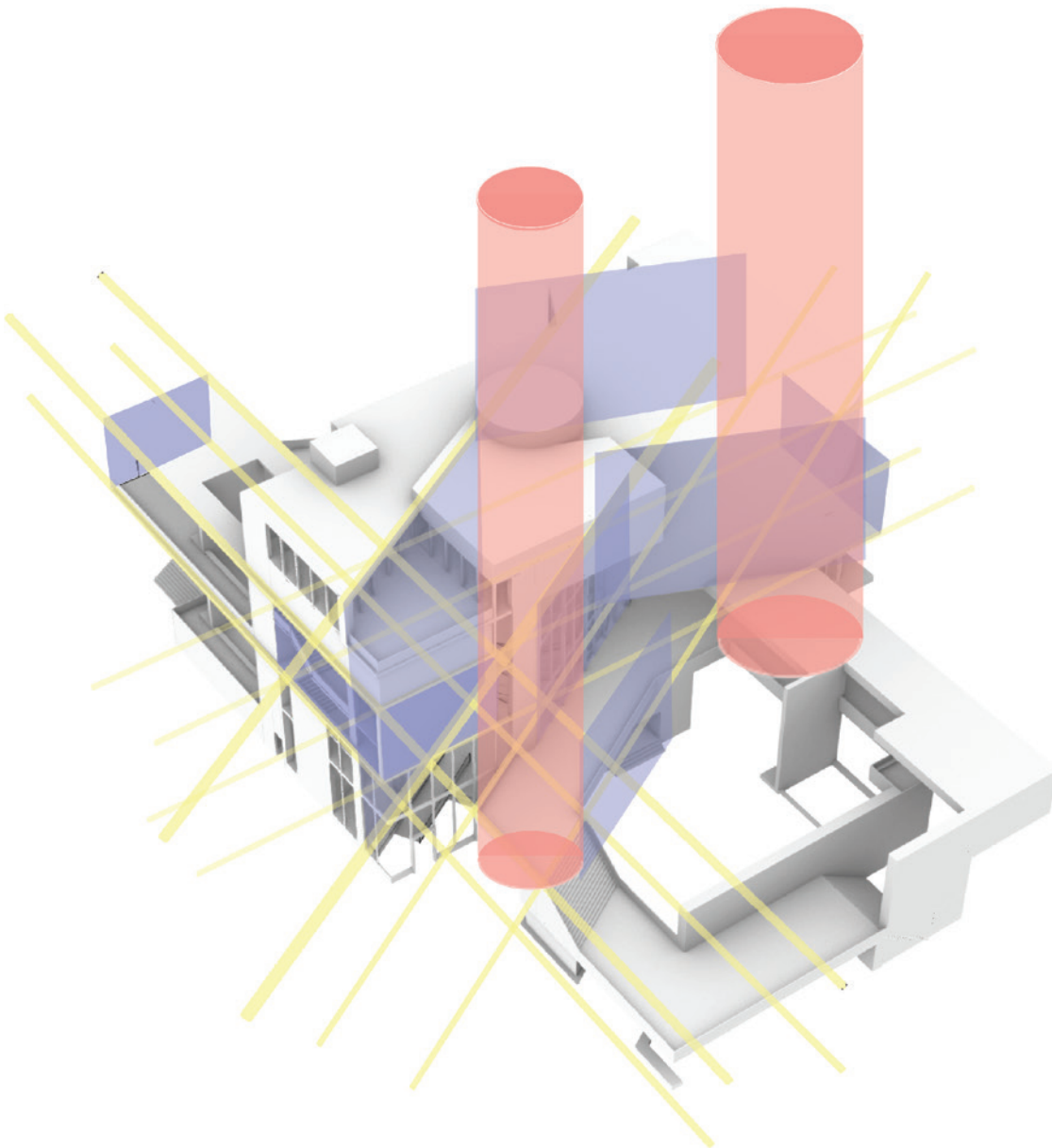


**ANALYTICAL SITE MODEL**  
LINCOLN/ALTON SITE VIEW & PERSPECTIVES

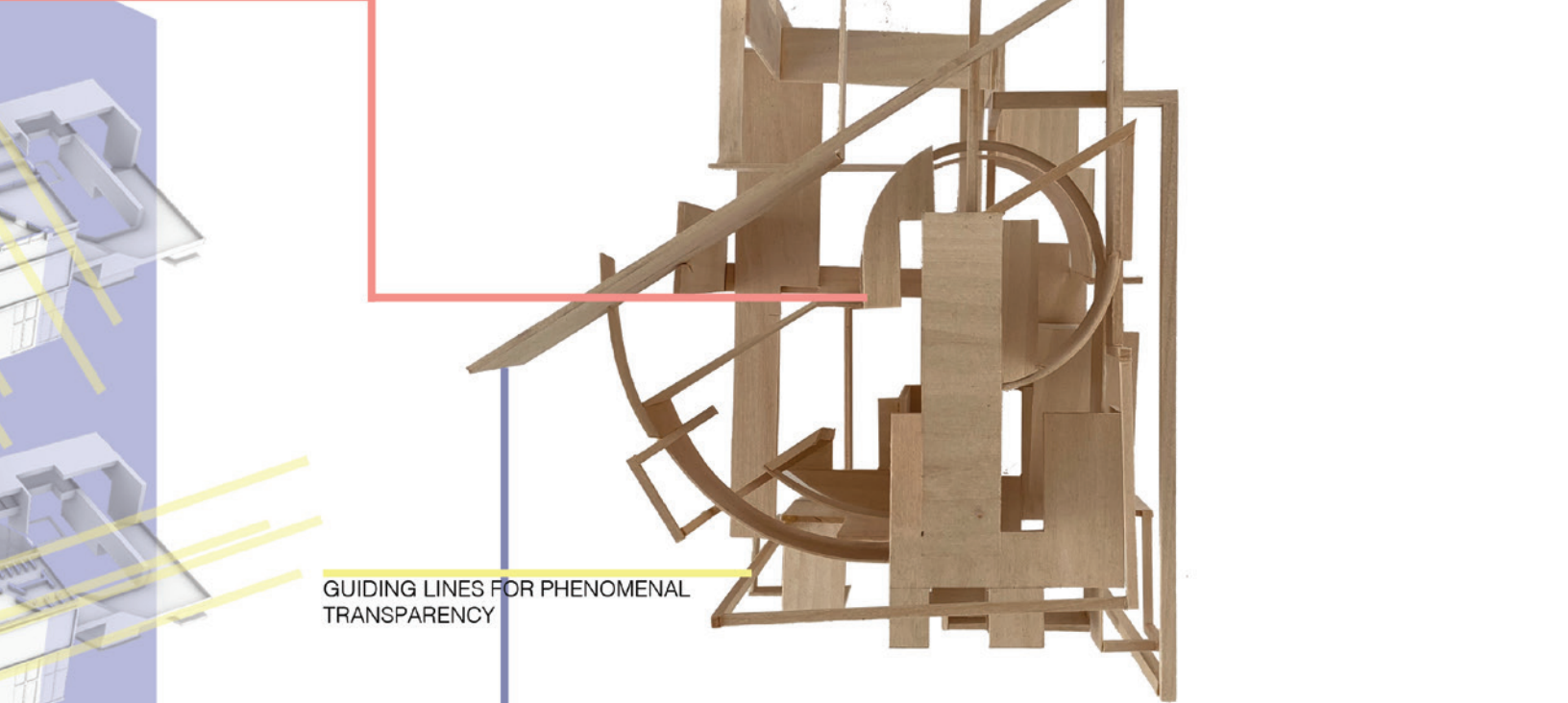
# FORM GENERATION

TECTONICS

30 DEGREE ANGLES GUIDE YOU TO CURVES OR IMPLIED CIRCLES THAT ACT AS AN ANCHOR FOR IMPORTANT MOMENTS. PLANES SHIFT ALONG THESE GUIDELINES CREATING SPACES FOR PHENOMENAL TRANSPARENCY. PHENOMENAL TRANSPARENCY IMPLIES THAT SPACES, SHAPES OR VOLUMES OCCURRING IN ONE PLACE IS PHENOMENALLY EXTRUDED TO ANOTHER. WHEN THESE PLANES OR GUIDELINES INTERSECT THEY SHIFT DIRECTIONS AND ARE GUIDED IN A DIFFERENT DIRECTION



CURVES OR IMPLIED CIRCLES  
ACT AS ANCHORS

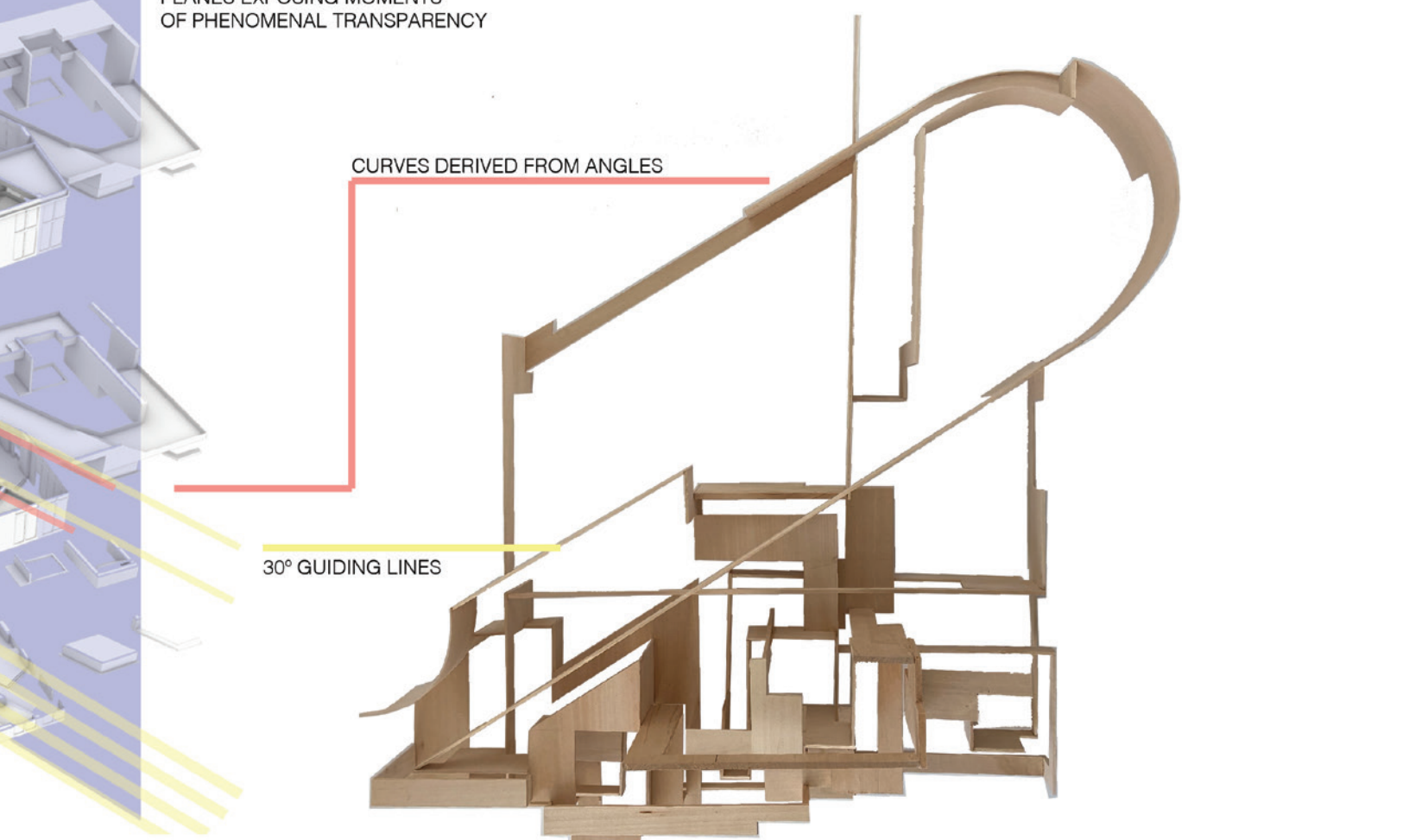


GUIDING LINES FOR PHENOMENAL  
TRANSPARENCY

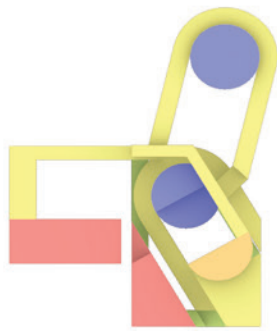
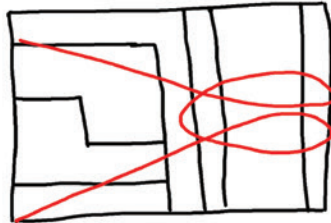
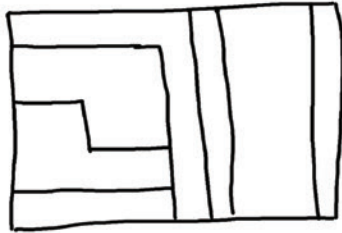
PLANES EXPOSING MOMENTS  
OF PHENOMENAL TRANSPARENCY

CURVES DERIVED FROM ANGLES

30° GUIDING LINES



# PROGRAM ANALYSIS



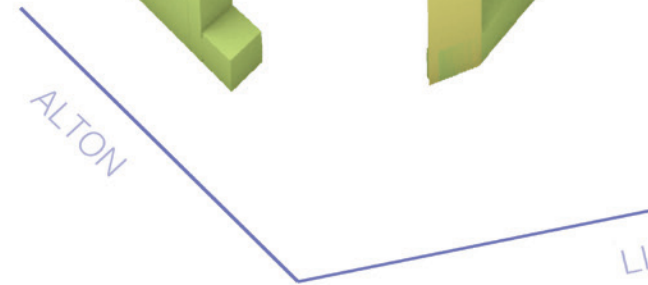
TOP



LINCOLN



ALTON



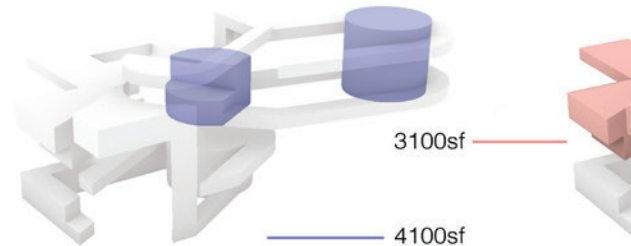
## THEATER

- Flexible Theater for 350, w/ raked floor. (3500)



## MEDIA/MECH

- Mechanical Room (300)
- Media Room w/ central view of stage (100)



3100sf

4100sf



## LOBBY

- Open area (2000)
- Café (400)
- Restaurant/Bar, including kitchen (500)
- Ticket/Info. (300)
- Supply closet (200)
- Pub. Restroom (600)



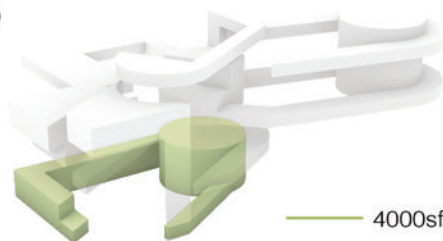
## VENUES

- Small Theater for 100 (1000)
- Club or Restaurant for 100 (1000)
- Lecture Room for 25 @ 250sf ea. X 4 (1000)

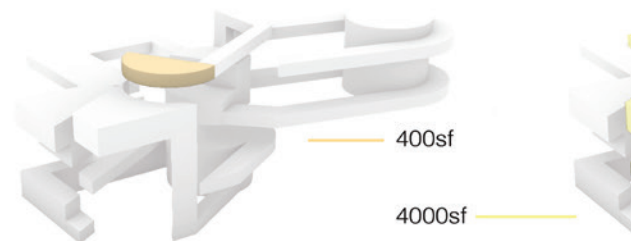


## ON & AROUND + CIRCULATION

- Roof Gardens/Amphitheater (3500sf)
- Marquee/Sign for current theater productions (approx. 15' x 30')
- Loading Dock, fits 26' truck and connect with the alley (300)

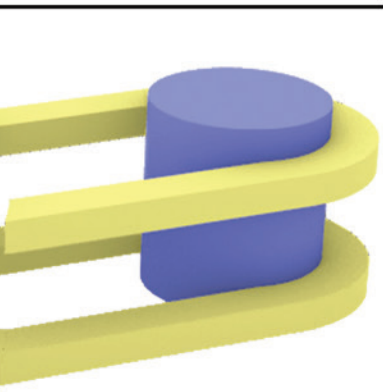


4000sf

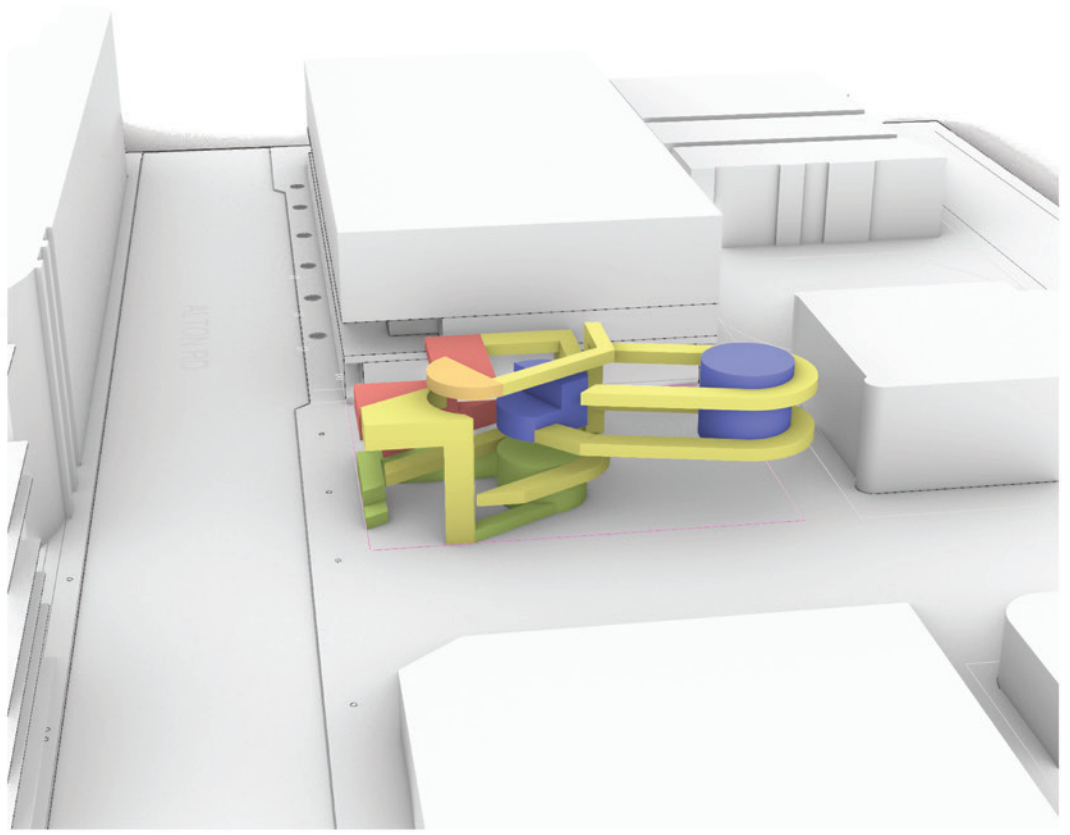
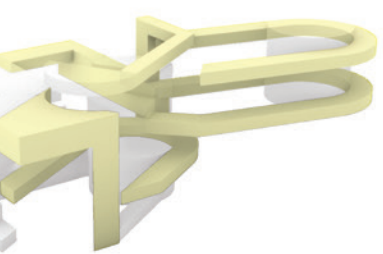
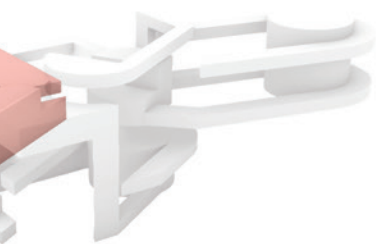


400sf

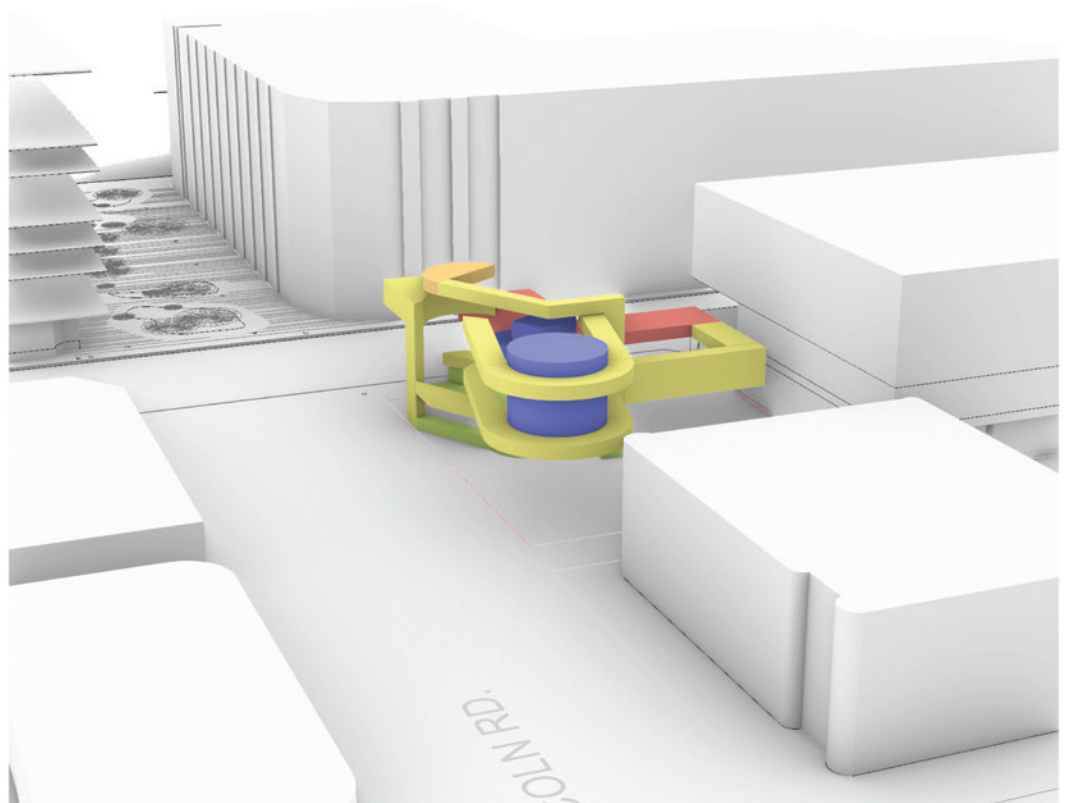
4000sf



COLN



VIEW LOOKING SOUTH ALONG ALTON RD



VIEW LOOKING EAST ALONG ALTON RD

# BUILDING CIRCULATION

EGRESS, CIRCULATION, ACCESSIBILITY

CIRCULATION

## EGRESS

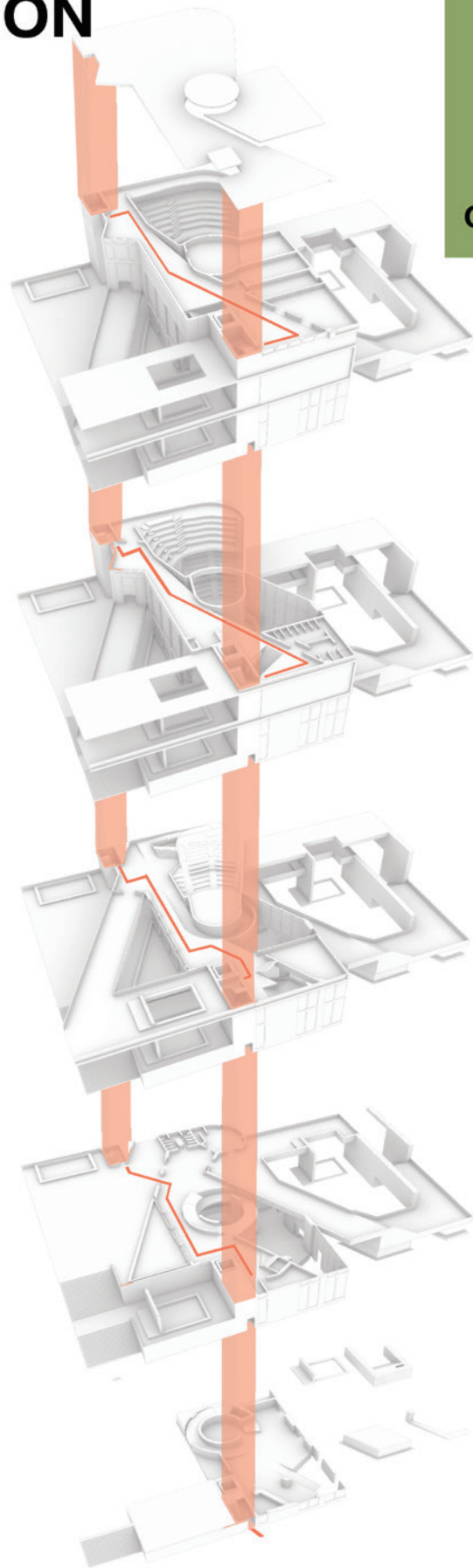
LEVEL 5 - 71'0"

LEVEL 4 - 60'0"

LEVEL 3 - 37'0"

LEVEL 2 - 20'0"

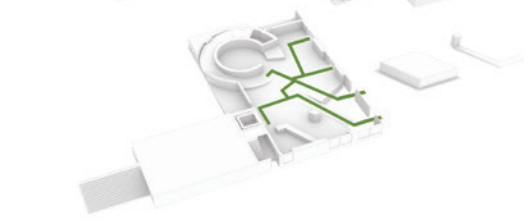
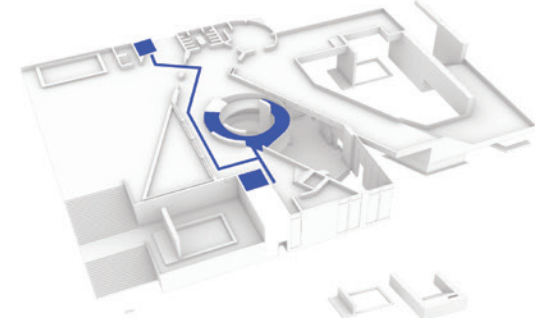
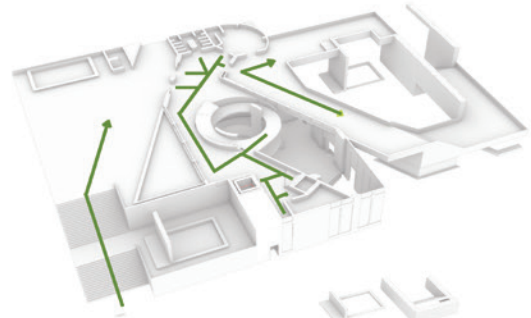
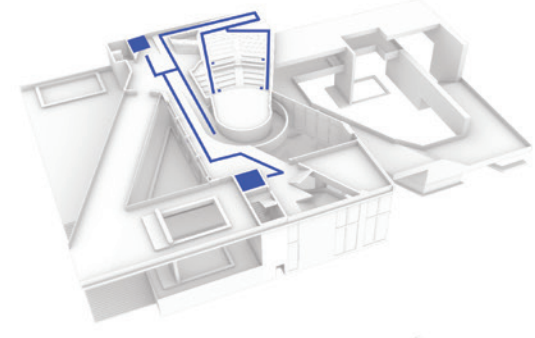
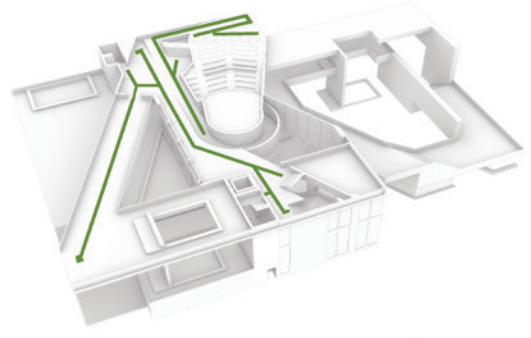
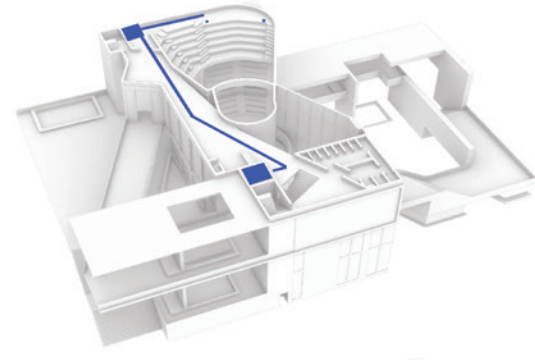
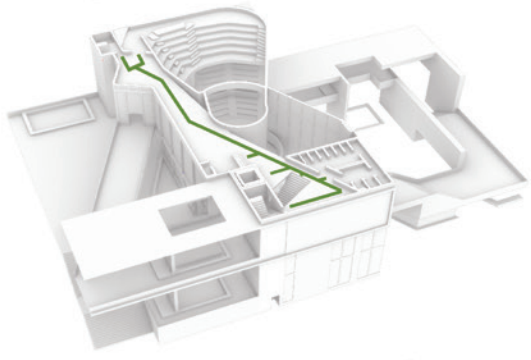
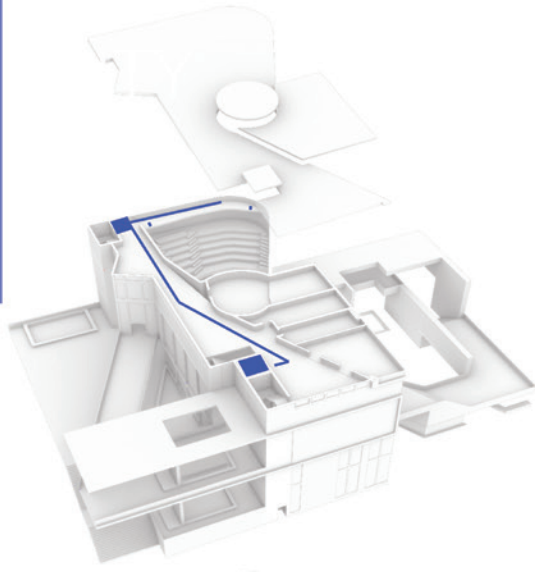
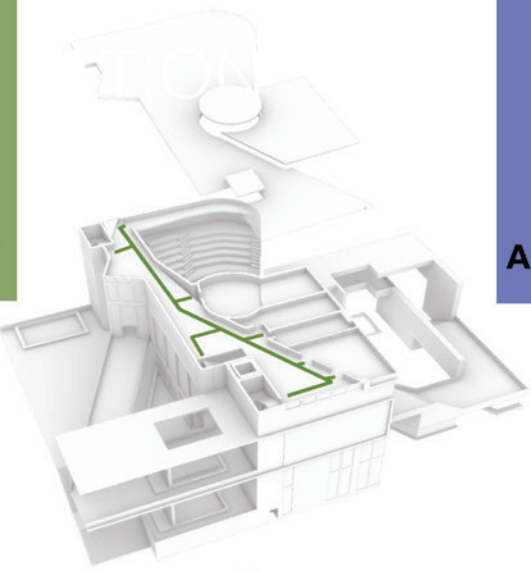
GROUND - 0'0"

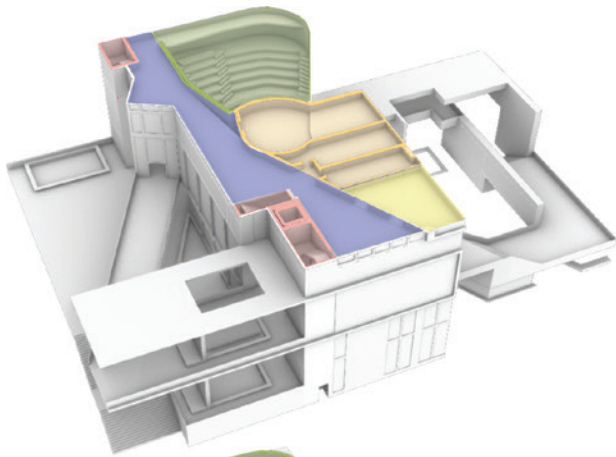




N

**ACCESSIBILITY**





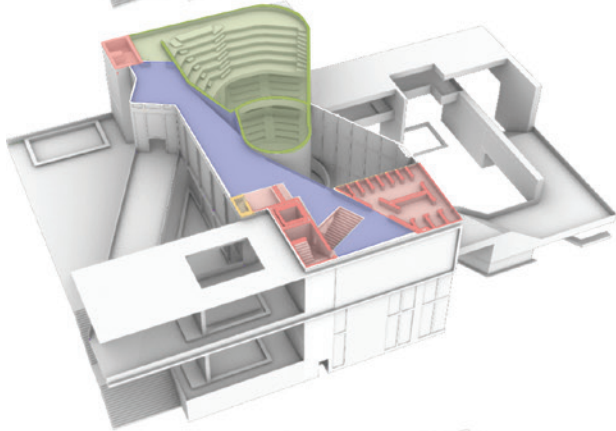
## LEVEL 5



### GATHERING SPACE

OPEN AREA	2000
CAFÉ	400
TICKET/INFORMATION	300
GALLERY	800

4000<sub>SQFT</sub>



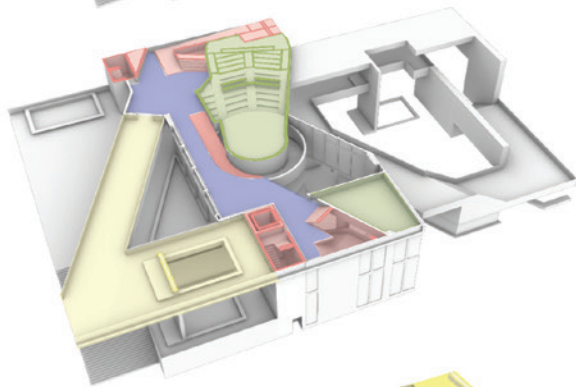
## LEVEL 4



### VENUES

THEATER FOR 350	3500
SMALL THEATER	1000
CLUB / RESTAURANT	1000

5500<sub>SQFT</sub>



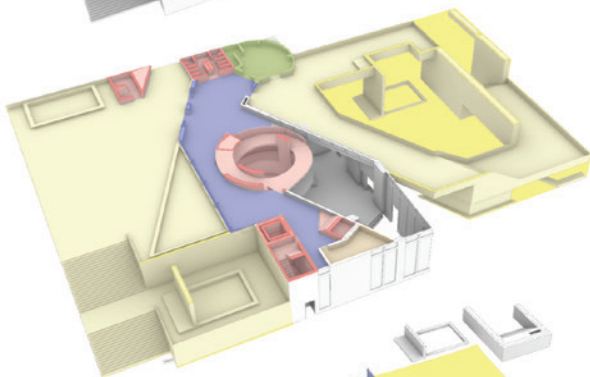
## LEVEL 3



### ON & AROUND THE SITE

OUTDOOR SPACE	1000
RESTAURANT SEATING	500
CAFE SEATING	500

2000<sub>SQFT</sub>



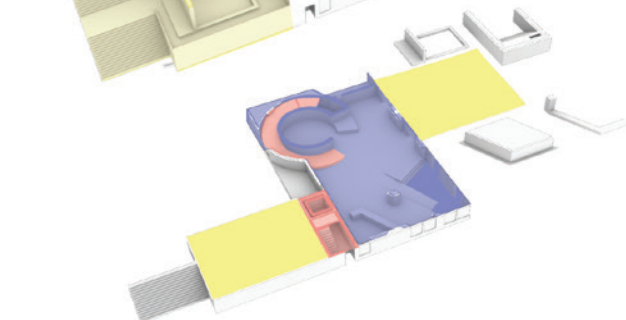
## LEVEL 2



### SERVICES

RESTROOMS	1000
LOADING DOCK	500
RAMP	
STAIRS / ELEVATORS	

1500<sub>SQFT</sub>



## GROUND -



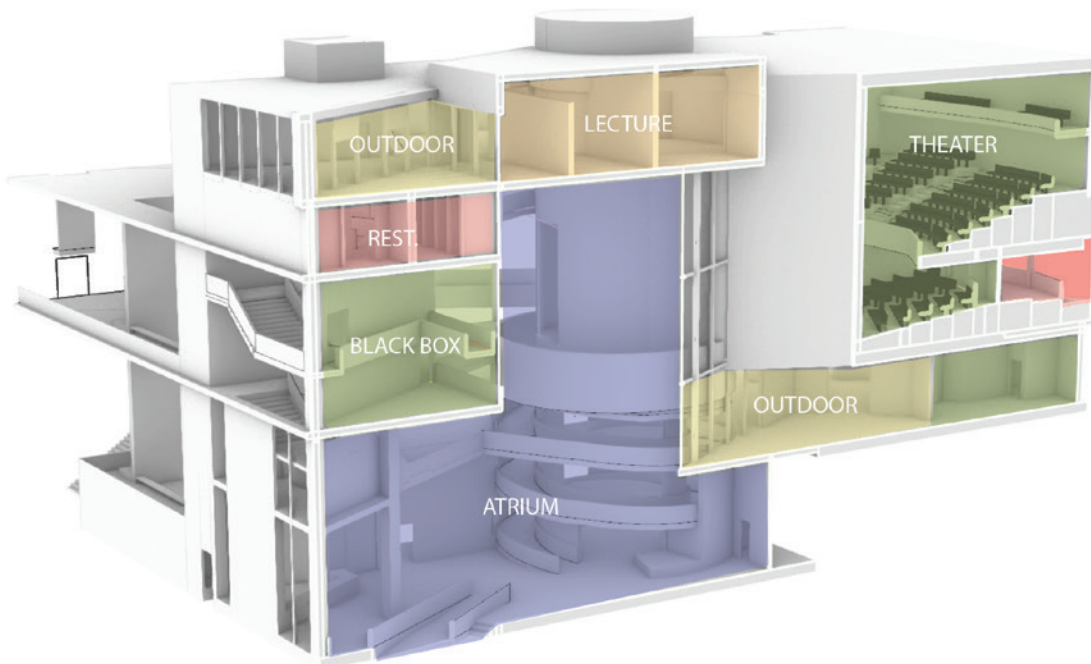
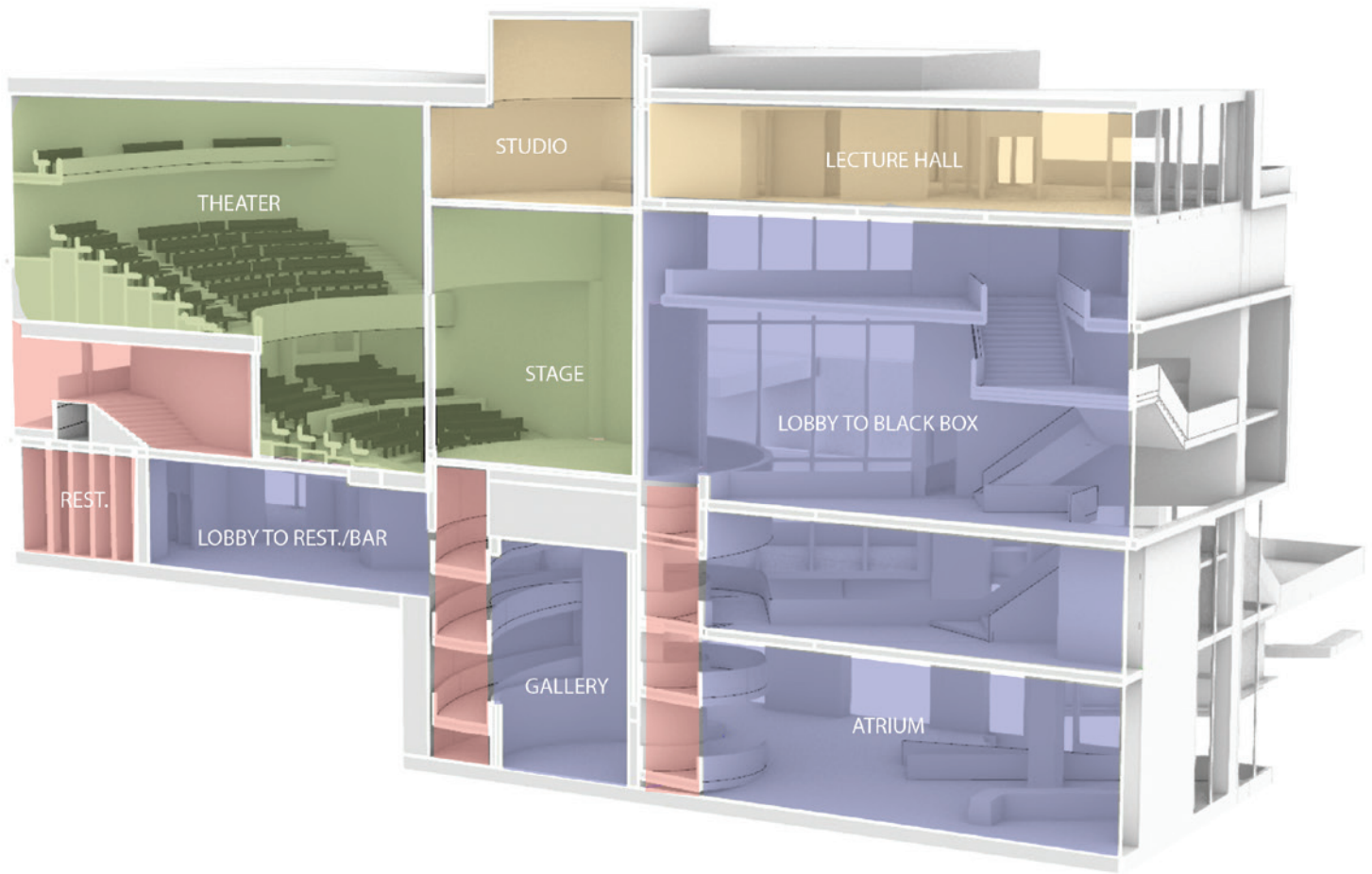
### ADMINISTRATION

LECTURE ROOMS	1000
OFFICE	500
MECHANICAL	500
CLOSETS	500

2500<sub>SQFT</sub>

# BUILDING PROGRAM

AXONOMETRIC









# **ARH 170 01: PRO- JECTIVE DRAWING & PERSPECTIVE**

Carol Buhrmann

