

HAYLEY BURROUGHS UNDERGRADUATE PORTFOLIO  
UNIVERSITY OF KENTUCKY / COLLEGE OF DESIGN / 2014-2018

H  
ello, I'm Hayley.

I haven't always wanted to be an architect.

However, after falling into this profession accidentally I have uncovered an obsession of space, light, and environmental relationships.

Four years of schooling later and I couldn't image a life without inquisitive thoughts about building structures or techniques, becoming awe-struck at the most simple combination of forms and materials, or receiving a solid eight hours of sleep.

I may not have always known what path I would choose, but now that I am on it my dedication to this profession and my work is unmatched. In the following pages I have compiled examples of my work over the past few years.

Please enjoy.

Sincerely,

A handwritten signature in black ink, reading "Hayley B. Sturlaugson". The signature is fluid and cursive, with "Hayley" and "B." on the first line and "Sturlaugson" on the second line.

Cover Art: \*

- *Urban Creation*

- Experimentation in the creation of new urban relationships using existing modern architecture

- Professor Brent Sturlaugson - ARC 315 - Spring 2017

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- 26 OTHER WORKS

# HAYLEY BURROUGHS

## CONTACT.

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## LANGUAGE.

ENGLISH - NATIVE

SPANISH - INTERMEDIATE

## TRAVEL.

UNITED STATES - NATIVE

GUATEMALA

SPAIN

ITALY

JAPAN

## COMPUTER SKILLS.

RHINOCEROS 

REVIT 

AUTOCAD 

ILLUSTRATOR 

PHOTOSHOP 

INDESIGN 

VRAY 

MAXWELL 

## HANDICRAFT SKILLS.

3D PRINTING 

CNC ROUTING 

LASER CUTTING 

MODELING MAKING 

WOODWORKING 

WELDING 

## PERSONAL SKILLS.

COMMITTED

ADAPTABLE

PERSEVERANT

INNOVATIVE

SELF MOTIVATED

COMMUNICATIVE

DECISIVE

ARTICULATE

## DESIGN SKILLS.

URBAN PLANNING

LANDSCAPE DESIGN

SITE ANALYSIS

HAND DRAWING

DRAFTING

GRAPHIC DESIGN

## WORK EXPERIENCE.

AMERICORPS / AUGUST 2018 - JUNE 2019

### ST. BERNARD PROJECT

#### PROJECT LEAD

- MAINTAIN A CLEAN, SAFE, AND ORGANIZED WORK SITE
- ENSURE THAT EACH PHASE OF CONSTRUCTION IS BEING COMPLETED ON TIME
- EDUCATE VOLUNTEERS ON THE AREA, THE EFFECTS OF THE STORM, AND THE HISTORY AND WORK OF SBP
- COMMUNICATE THE DAILY AND WEEKLY GOALS TO VOLUNTEERS
- PROVIDE EFFECTIVE TRAINING AND CONSTRUCTIVE FEEDBACK TO VOLUNTEERS WHO ARE COMPLETING SIDING, DECKS, INSULATION, DRYWALL, MUDGING, PAINTING, FLOORING, TRIM, DOORS, AND OTHER PHASES OF CONSTRUCTION.

UNIVERSITY OF KENTUCKY / JANUARY 2018 - MARCH 2019

### INFORMATION TECHNOLOGY SERVICES

#### GRAPHIC DESIGN INTERN

- DESIGNS FOR SOCIAL MEDIA, PRINT, AND WEB PLATFORMS
- LAYOUTS FOR PUBLICATIONS
- CREATION OF PRESENTATION AID AND MATERIALS
- VIDEOGRAPHY AND PHOTOGRAPHY
- WEB-DESIGN

## REFERENCES.

• NIKOLAS KING  
CONSTRUCTION MANAGER  
NKing@SBPUSA.ORG

• ANTHONY ROCCANOVA  
PROFESSOR/MENTOR  
ANTHONY.ROCCANOVA@UKY.EDU

UNIVERSITY OF KENTUCKY / AUGUST 2017 - MARCH 2018

### KENTUCKY GEOLOGICAL SURVEY

#### GRAPHIC DESIGNER

- DESIGNS FOR FLYER'S AND UPCOMING EVENTS
- RESPONSIBLE FOR 2016-2017 ANNUAL REPORT INCLUDING:
- WORKING WITH A TEAM OF DESIGNERS, EDITORS, PUBLISHERS
- LAYOUT DESIGN - PHOTO EDITING
- CLEAR COMMUNICATION BETWEEN OFFICES

## EDUCATION.

• UNIVERSITY OF KENTUCKY - COLLEGE OF DESIGN  
BA ARCHITECTURE, 2014 - 2018 / GPA: 3.4  
LEXINGTON, KY

## ACHIEVEMENTS

- PEACE CORPS STUDENT AMBASSADOR
- COLLEGE OF DESIGN STUDENT AMBASSADOR
- BEAUX ARTS FOUNDATION - DIRECTOR OF INSTALLATIONS
- OUTSTANDING STUDIO DESIGN AWARD - SECOND YEAR

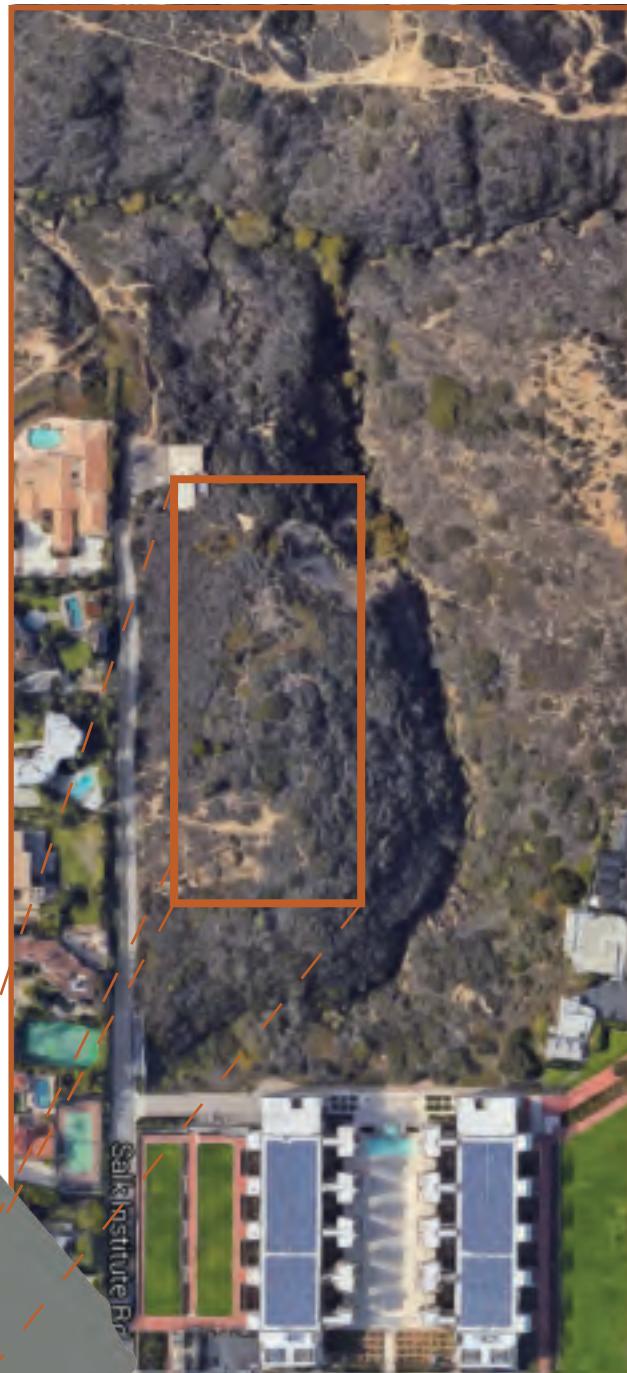
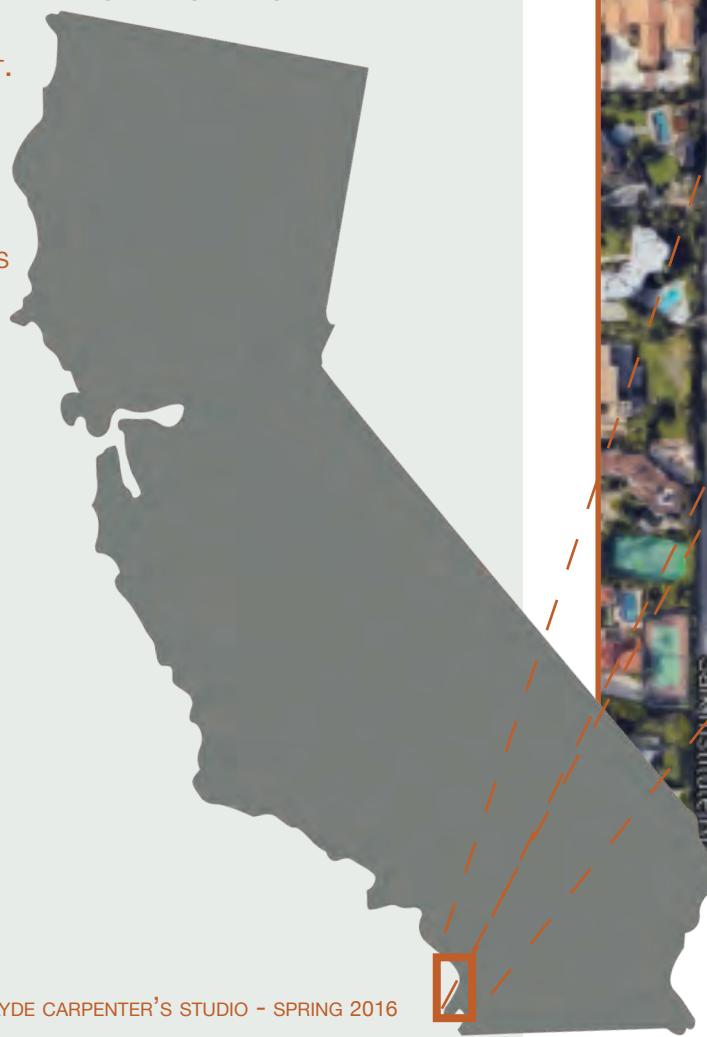
# SALK CENTER HOUSING

[ LA JOLLA, CALIFORNIA ]

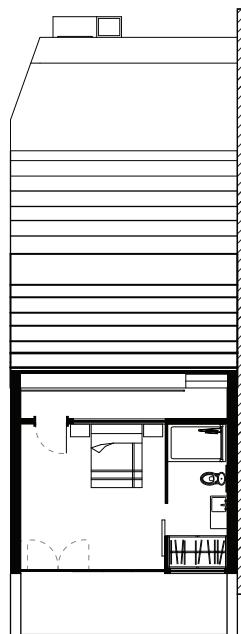
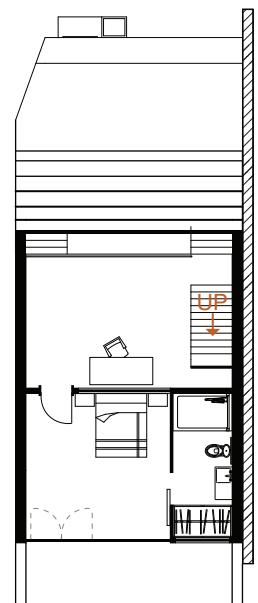
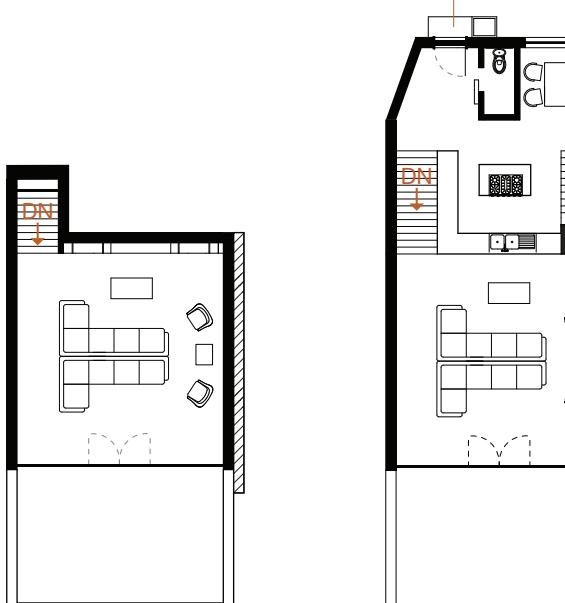
IN THE SPRING OF 1962 CONSTRUCTION OF THE SALK INSTITUTE FOR BIOLOGICAL STUDIES BEGAN. DESIGNED BY LOUIS KAHN THE ORIGINAL PLANS FOR THE CAMPUS INCLUDED NOT ONLY LABORATORIES AND A MEETING HOUSE BUT ALSO HOUSING FOR THE SCIENTIST.

UNFORTUNATELY THE ORIGINAL PLANS DID NOT REACH COMPLETION LEAVING THE HOUSING COMPLEX UNBUILT.

WHEN FIRST APPROACHED BY JONAS SALK, KAHN WAS REQUESTED TO CREATE A DESIGN THAT NOT ONLY WAS STRIKING BUT FUNCTIONAL, PRECISE BUT LIGHT, AND ALL WITH CAREFUL CONSIDERATION TO THE GORGEOUS VIEWS OF THE OCEAN TO THE NORTH.

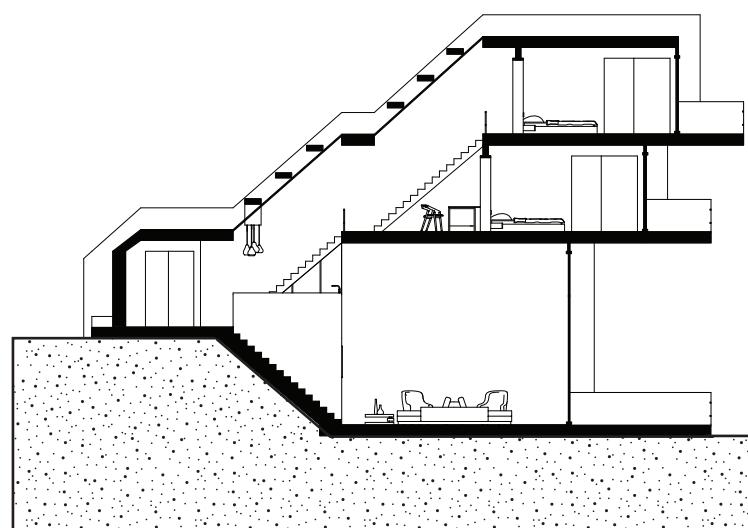
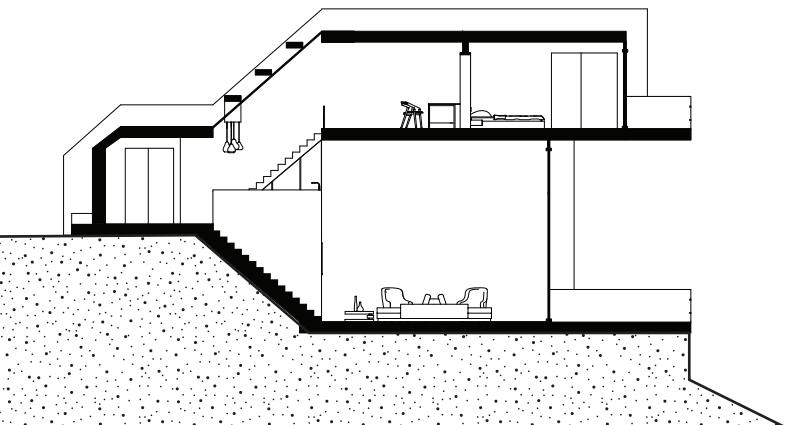


ENTRANCE [GROUND PLANE]



ONE BEDROOM

TWO BEDROOM



# AGGREGATION

OCEAN VIEWS

TWO BEDROOM APARTMENTS

SEMI-PRIVATE OUTDOOR SPACE

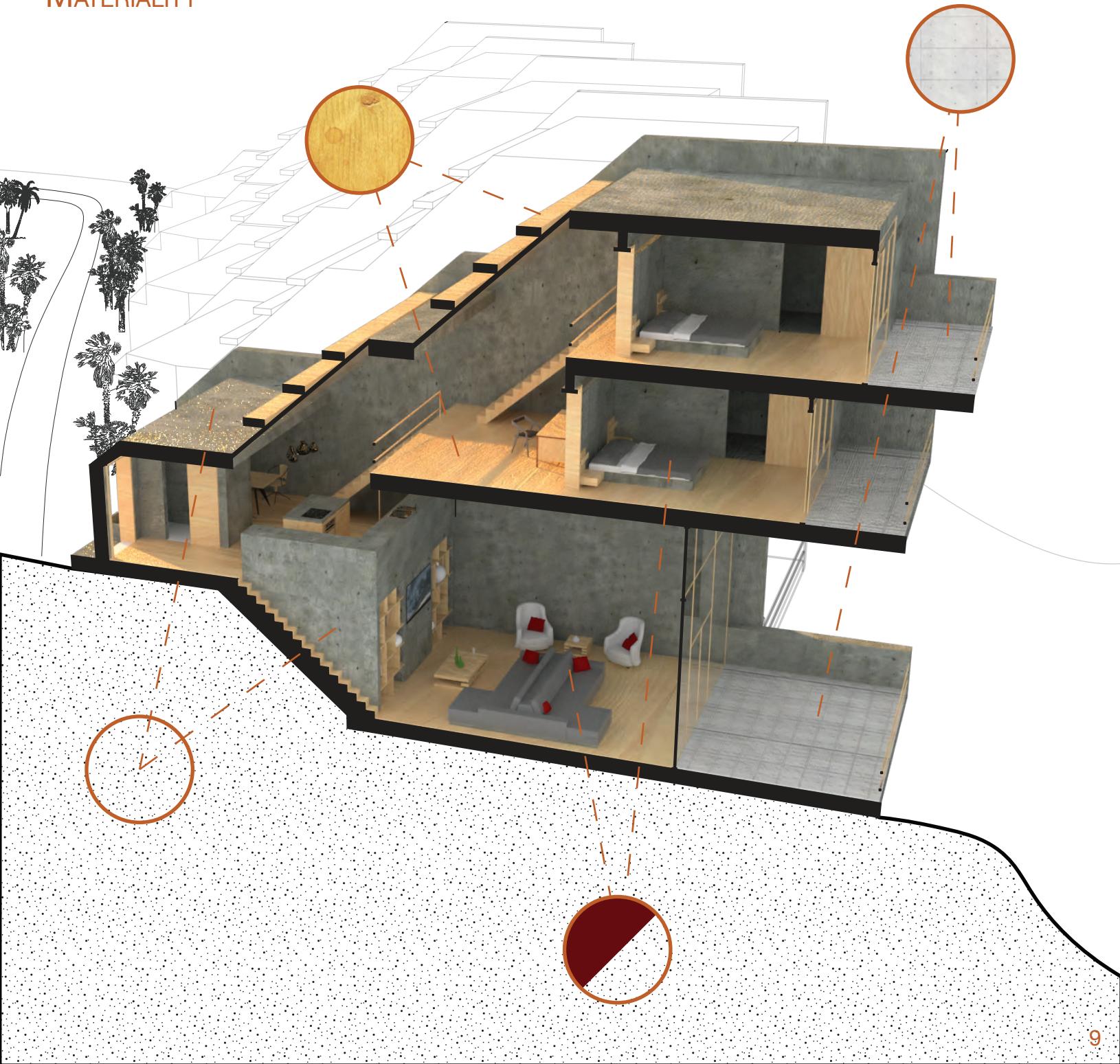
OCEAN VIEWS

PUBLIC OUTDOOR SPACE

ONE BEDROOM APARTMENTS

VEHICULAR ENTRANCE [ONE WAY]

## MATERIALITY



# COOLAVIN PARK

## LEGACY TRAIL CONTINUATION

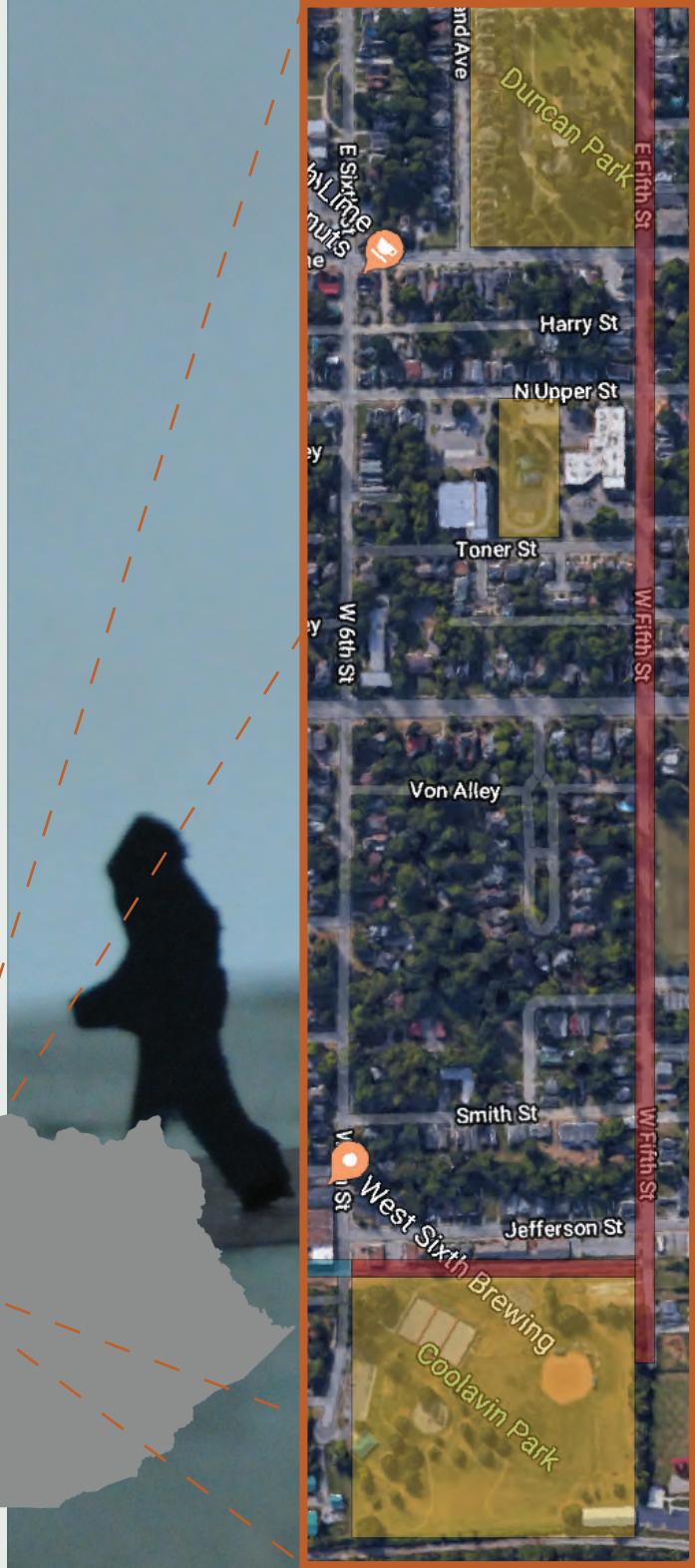
### [LEXINGTON, KENTUCKY]

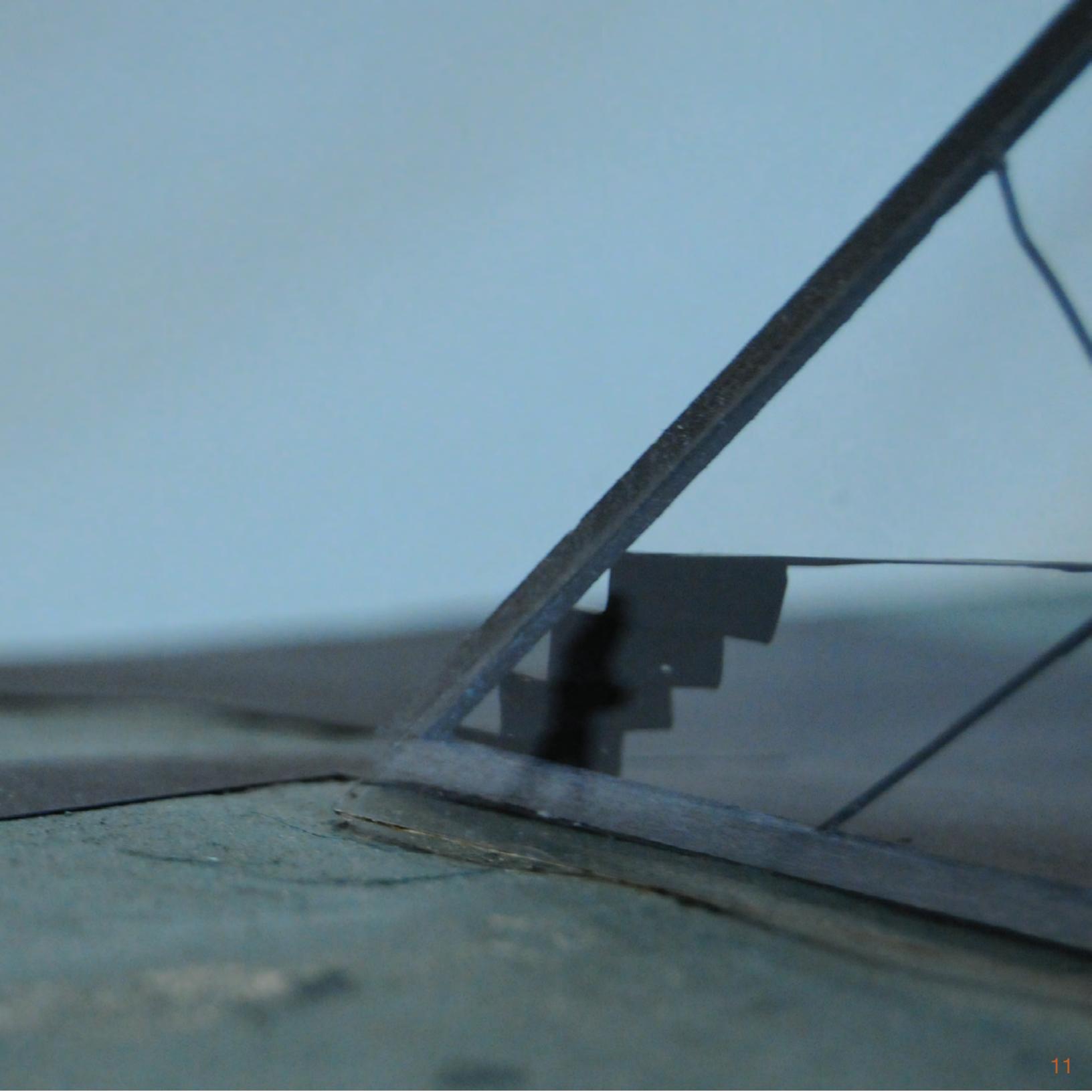
FOLLOWING THE KENTUCKY HORSE PARK THE LEGACY TRAIL IS A PAVED PATH FOR BICYCLISTS AND PEDESTRIANS THAT CONNECTS DOWNTOWN LEXINGTON WITH MANY NEIGHBORHOODS, PARKS, AND OTHER RECREATIONAL AREAS IN LEXINGTON. THIS PROPOSAL TACKS ONTO THE IDEA OF CONTINUING THE LEGACY TRAIL DOWN FIFTH STREET TO INCLUDE THE ENTIRITY OF COOLAVIN PARK, AS WELL AS TWO OTHER PARKS IN THE HOPES OF EXPANDING LEXINGTONS ECONOMIC GROWTH AND, MORE IMPORTANTLY, COMMUNITY OUTREACH.

THE FOLLOWING IMAGES DETAIL THE PROPSAL FOR THE RENOVATION OF COOLAVIN PARK. A SERIES OF PAVILIONS WOULD BE CONSTRUCTED AS AN OPTIONAL EXTENSTION FOR LEGACY TRAIL PARTICAPANTS. HOWEVER EACH PAVILION IS ALSO DESIGNED WITH A SPECIFIC FUNCTION IN MIND TO HELP THE CITY PLAN AND EXCUTE OTHER COMMUNITY EVENTS.

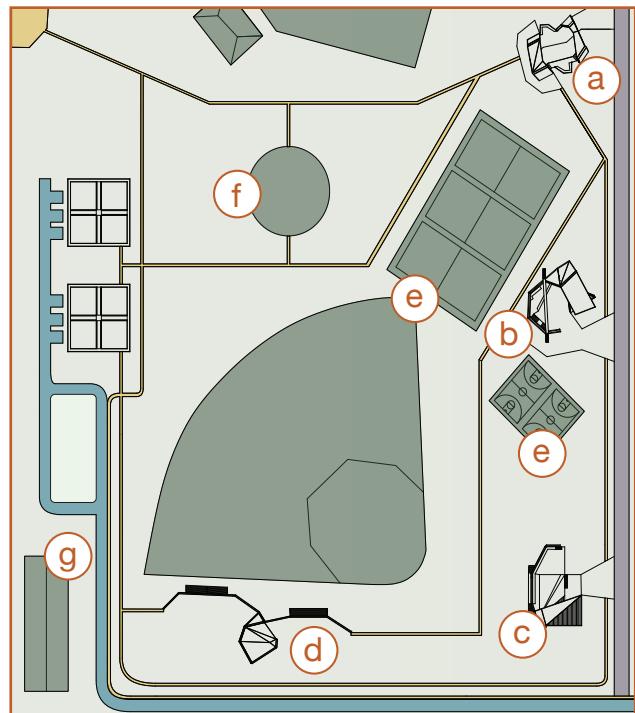
ENTRANCE      GATHERING      PERFORMANCE      MARKETPLACE

- EXISTING LEGACY TRAIL END
- LEGACY TRAIL CONTINUATION
- NEWLY INCLUDED PARKS





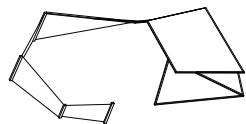
## SITE DIAGRAM



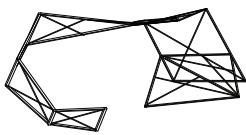
## STRUCTURAL SYSTEM

- a ENTRANCE PAVILION
- b GATHERING PAVILION
- c PERFORMANCE PAVILION
- d MARKETPLACE PAVILION
- e RECREATIONAL COURTS
- f PLAY STRUCTURE
- g STORAGE

GLASS OVERLAY



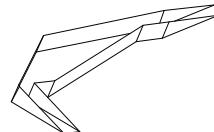
METAL SKELETON



GROUND PLANE

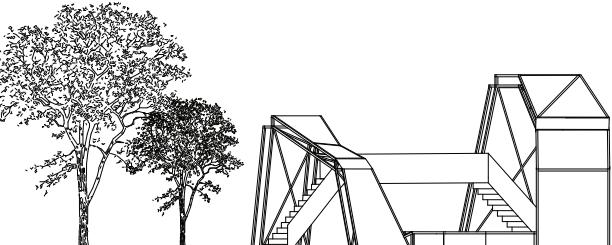


CONCRETE FOUNDATION



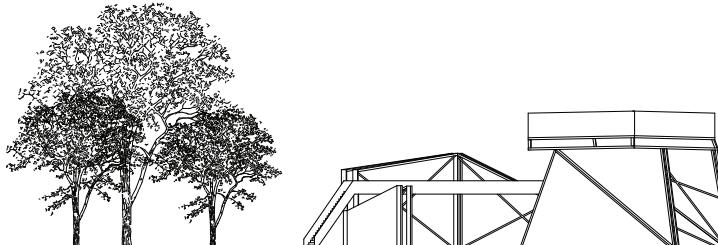
### ENTRANCE PAVILION

NORTH ELEVATION



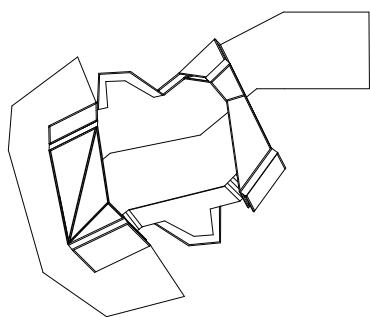
### GATHERING PAVILION

SOUTHEAST ELEVATION

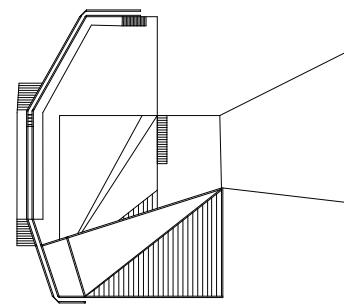


# AERIAL VIEWS

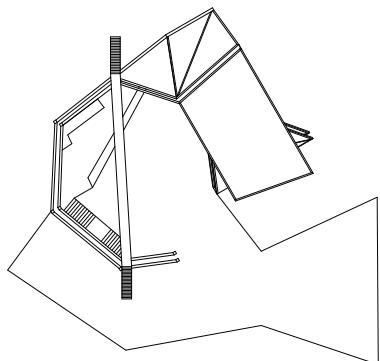
ENTRANCE PAVILION



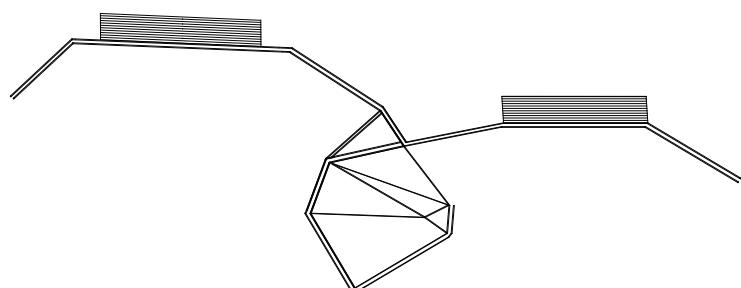
PERFORMANCE PAVILION



GATHERING PAVILION

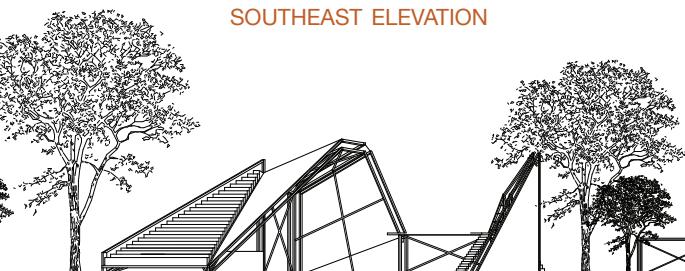


MARKETPLACE PAVILION



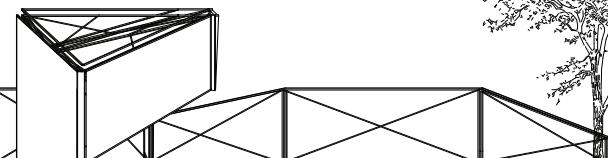
PERFORMANCE PAVILION

SOUTHEAST ELEVATION



MARKETPLACE PAVILION

SOUTHWEST ELEVATION



# COOLAVIN PARK

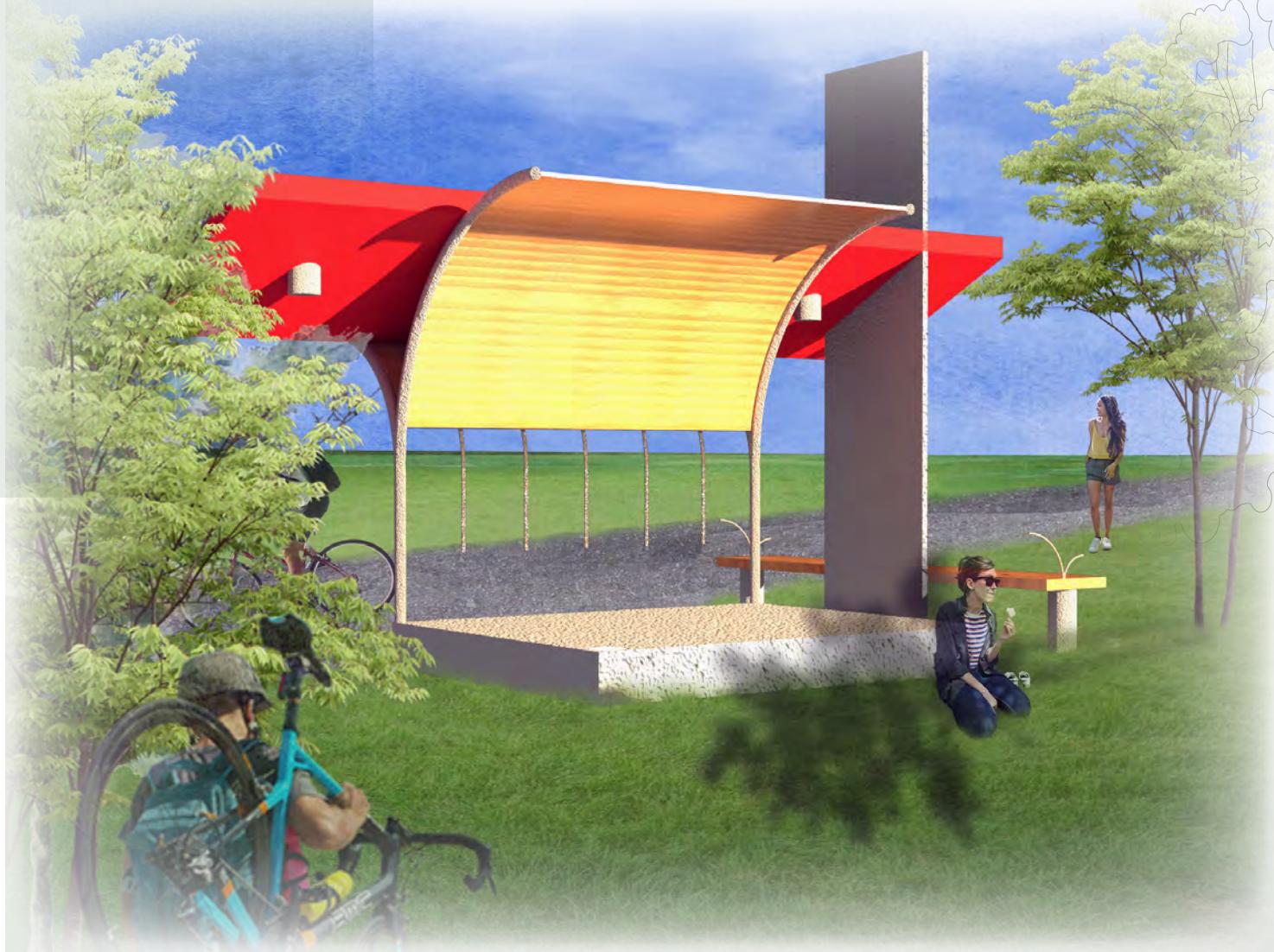
LEGACY TRAIL CONTINUATION

[LEXINGTON, KENTUCKY]

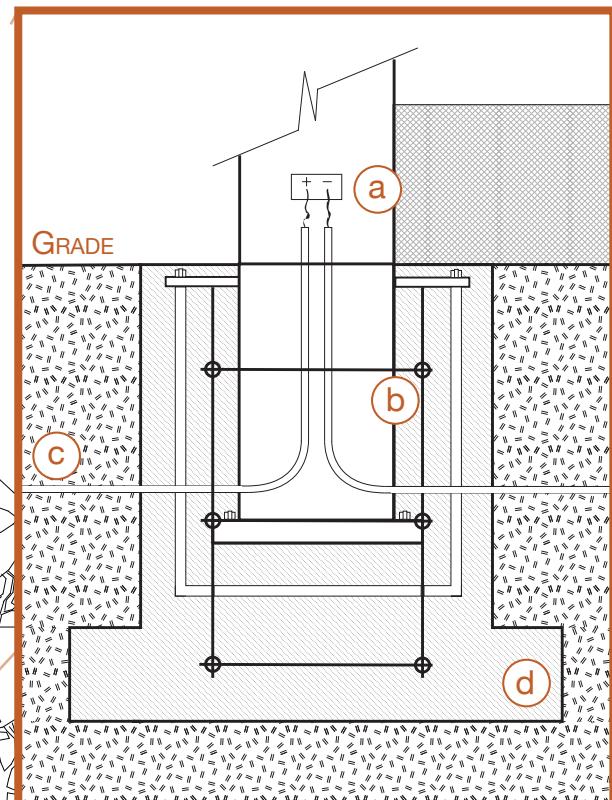
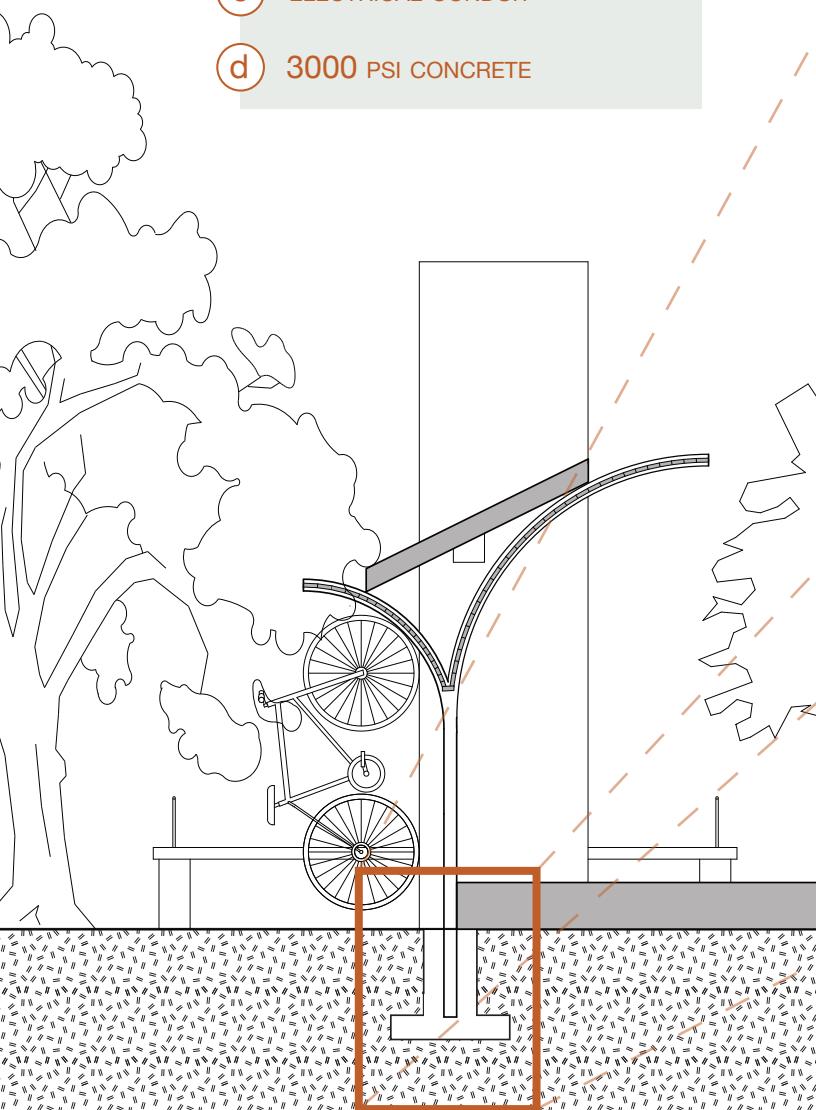
## KIOSK PROPOSAL

IN ADDITION TO THE REDESIGNING OF COOLAVIN PARK SMALL SCALE INSTALLATIONS WERE NEEDED TO FILL THE EXTENSION OF THE LEGACY TRAIL DOWN FIFTH STREET. THE FOLLOWING KIOSK PROPOSAL INCLUDES A DOUBLE SIDED STRUCTURE, ONE SIDE FOR STORAGE AND RENTAL OF BICYCLES, AND ONE SIDE FOR SMALL PERFORMANCES.

IN COLLABORATION WITH IRVIN SHAFIA



- (a) GROUND LUG BONDED TO POLE
- (b) REBAR WITH TIES
- (c) ELECTRICAL CONDUIT
- (d) 3000 PSI CONCRETE



# RECREATION AND REHABILITATION

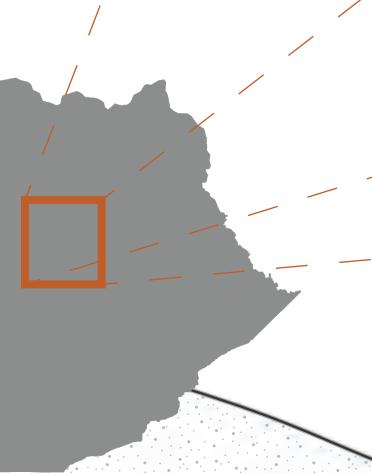
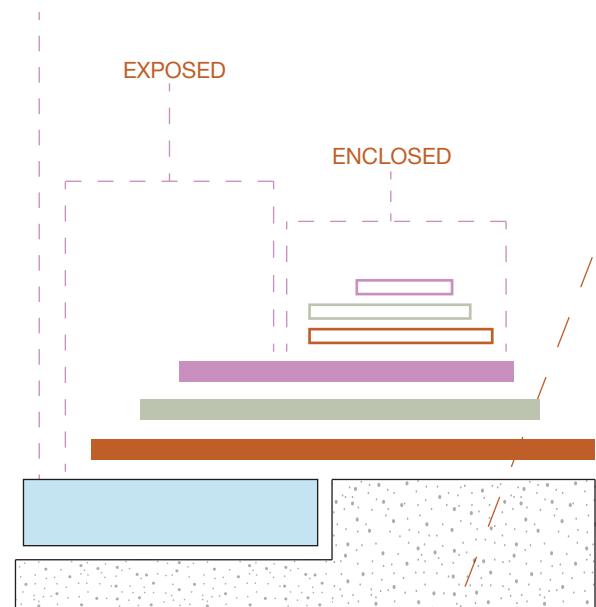
## [ BEATTYVILLE, KENTUCKY ]

THE RED RIVER GORGE LOCATED IN KENTUCKY DRAWS HIKERS AND CLIMBERS FROM ALL OVER THE WORLD. HOWEVER THE SMALL TOWN NEAR THE GORGE, BEATTYVILLE, VASTLY UNDERUTILIZES THE ECONOMIC POWER THIS SMALL NICHE HOLDS. UNFORTUNALY, A LARGE PORTION OF BEATTYVILLE LIES IN A DANGEROUS FLOOD ZONE AND IS RARELY USED DUE TO HIGH INSURANCE COSTS. LISTED ON THE FOLLOWING PAGES IS A PROPOSAL TO HANDLE RISING RIVER WATERS, AS WELL AS, A PROPOSAL FOR AN INDOOR/OUTDOOR ROCK CLIMBING CENTER AND PHYSICAL THERAPY FACILITY.

BRENT STURLAUGSON'S STUDIO - SPRING 2017

## TERRACING SYSTEM

RIVER

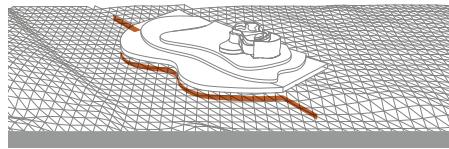


# FLOOD PREVENTION DIAGRAMS



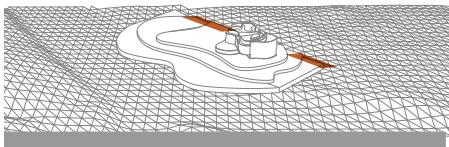
## FLOOD WALLS

BY RAISING THE HEIGHT OF THE EXTERIOR WALL THE PROGRESS OF RISING WATER CAN BE SLOWED



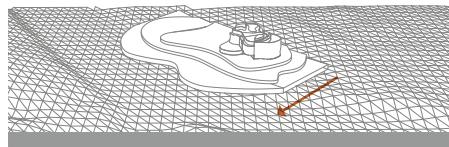
## BIORETENTION BASIN

ONCE THE WATER RISES OVER THE FLOOD WALLS EACH TERRACE LAYER IS EQUIPPED TO FILTER WATER THROUGH TO LARGE HOLDING TANKS UNDER A BIORENTENTION BASIN

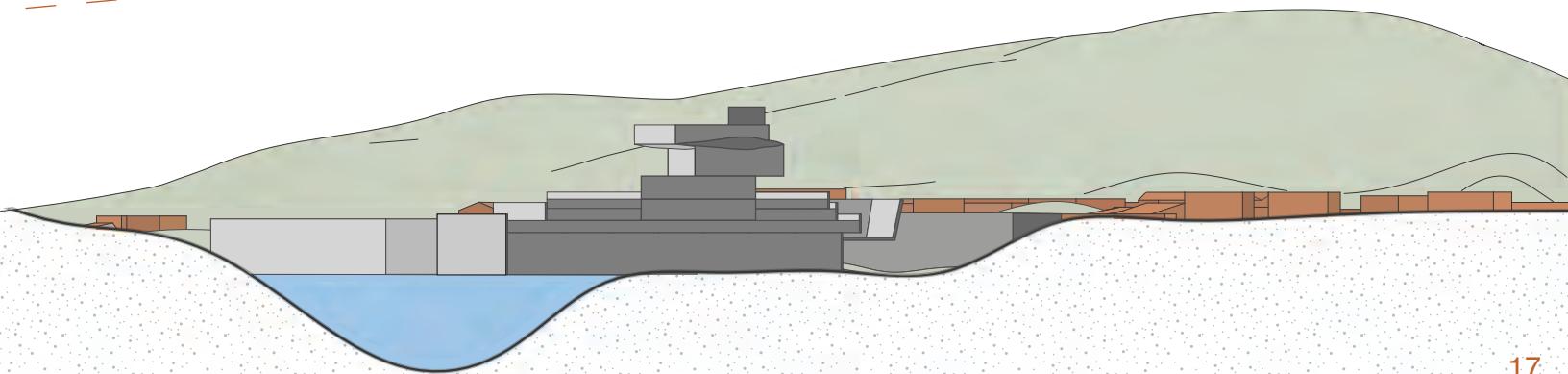


## DISCHARGE PUMP

IF THE TANKS FILL TO A LEVEL TOO LARGE TO RETAIN THE PLANT LIFE ABOVE A TIMED DISCHARGE PUMP WILL START TO RELEASE WATER FURTHER DOWN THE RIVER

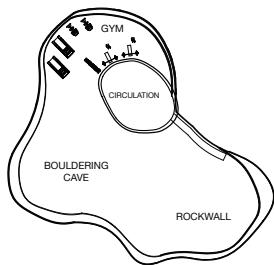


## SITE SECTION

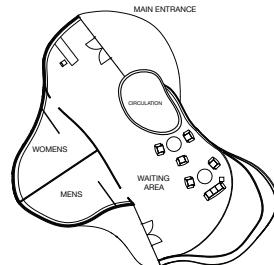


# TOPOGRAPHIC FORMS

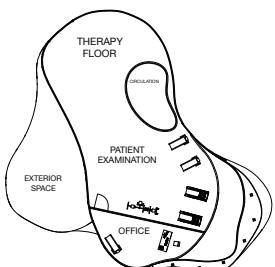
LEVEL ZERO



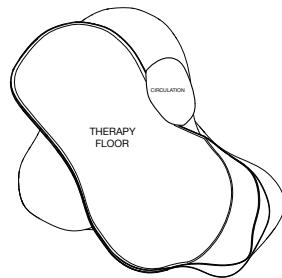
LEVEL ONE



LEVEL TWO



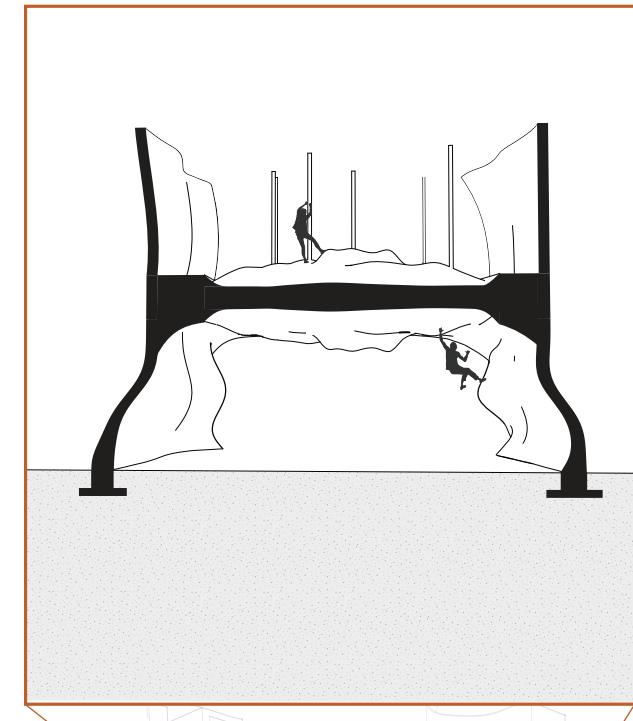
LEVEL THREE



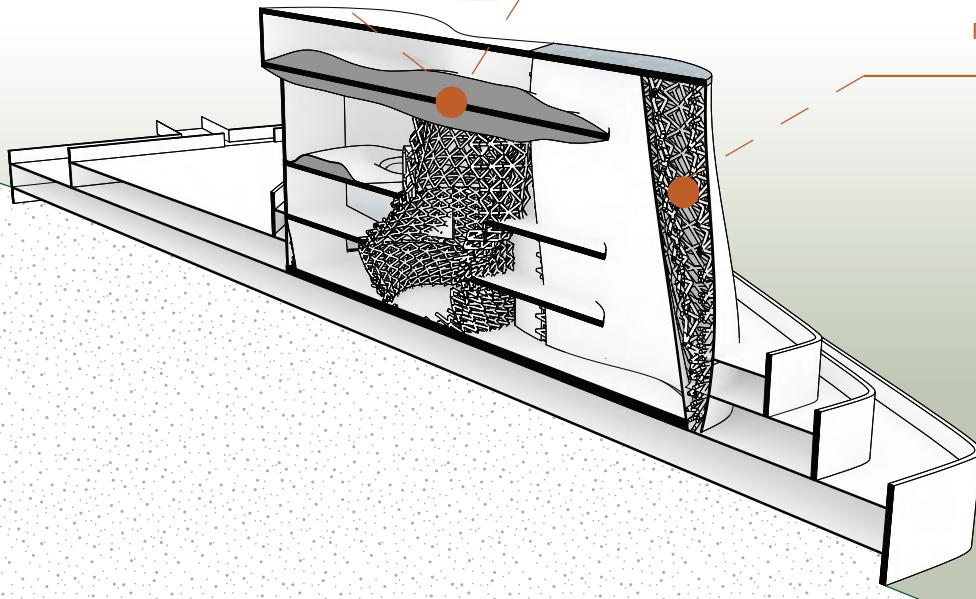
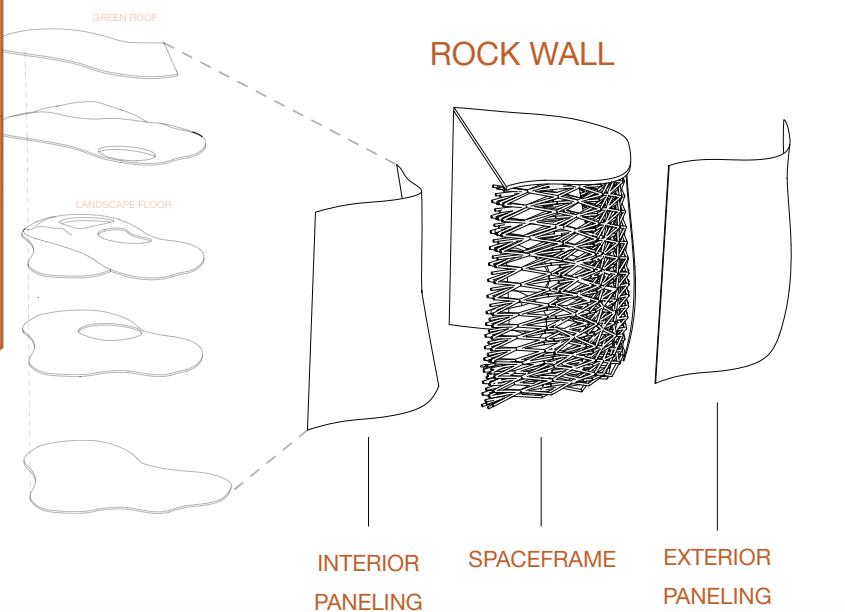
NORTH AND SOUTH ELEVATIONS



# THERAPY FLOOR



BEATTYVILLE IS LOCATED IN WHAT IS KNOWN AS A MEDICAL DESERT. THERE ARE FEW HOSPITALS AND EVEN LESS STAFF. BECAUSE OF THE HIGH PERCENTAGE OF INJURIES OBTAINED AT THE GORGE THERE IS A DRASIC NEED FOR A PHYSICAL THERAPY SPACE. IN THIS DESIGN A FLOOR NOT ONLY UNDULATES, HELPING PATIENTS REGAIN CORE STRENGTH AND BALANCE, BUT ALSO DOUBLES AS A BOULDERING CAVE UNDERNEATH. THIS IDEA COMBINES TWO DRASITICALLY DIFFERENT PROGRAMS THAT SAVES SPACE, BRINGS IN REVENUE, AND ULTIMATILY UNITES THE COMMUNITY OF BEATTYVILLE WITH THE DIVERSE COMMUNITY OF TRAVELERS.



# STORIES OF ANTIGUA

8 WEEK DURATION

[ ANTIGUA, GUATEMALA ]

OVER THE COURSE OF 8 WEEKS, STUDENTS WORKED BOTH COLLABORATIVELY AND INDIVIDUALLY IN PARTNERSHIP WITH THE GARDEN OF HOPE TO ASSESS THEIR PROPERTY AND DESIGN A MASTER-PLAN FOR ITS DEVELOPMENT THAT IMPROVED THEIR CURRENT FACILITIES. THE GARDEN OF HOPE/HUERTO LA ESPERANZA IS A NON-PROFIT ORGANIZATION FORMED IN PARTNERSHIP WITH ESCUELA LA ESPERANZA WHICH OFFERS A QUALITY EDUCATION AND A VARIETY OF SOCIAL SERVICES TO LOW INCOME FAMILIES IN JOCOTENANGO AND THE SURROUNDING COMMUNITIES IN GUATEMALA.

CONCEPTUALLY, THE STUDIO EXPLORED THE RELATIONSHIP BETWEEN LANDSCAPE AND BUILDING; THE VALUE OF BUILDING MATERIALS AND METHODS IN THE GENERATION OF FORM; BEST PRACTICES OF COMMUNITY ENGAGEMENT IN THE ARTICULATION AND REFINEMENT OF PROGRAM; AND HOW CULTURAL AND SOCIAL FACTORS CONTRIBUTE TO THE DESIGN PROCESS.

#### PARTICIPANTS:

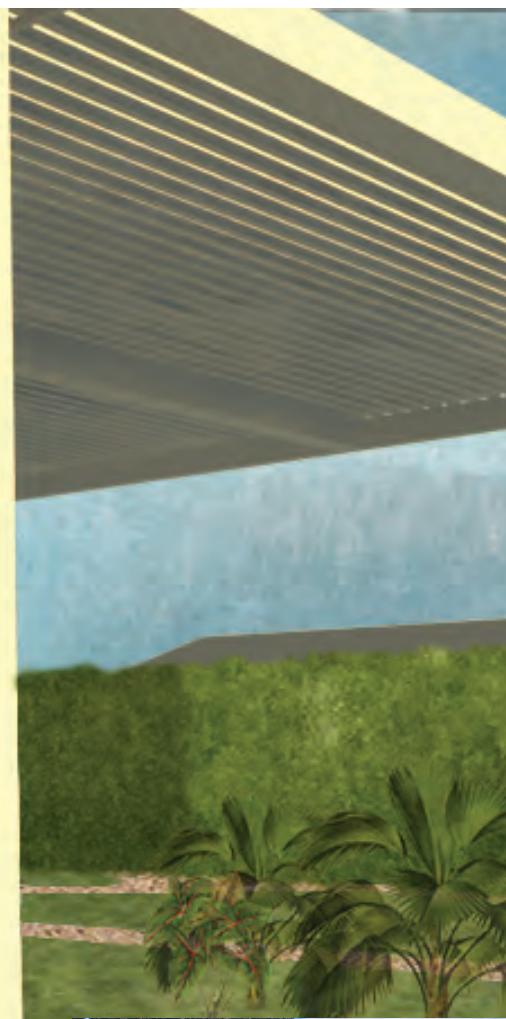
HAYLEY BURROUGHS	SARAH COOLEY
TRAVIS SPEARS	KAITLIN BRYAN
KATE BRAMMER	JOEL HOLLEY
CATHERINE YEISER	PHILLIP COMBS



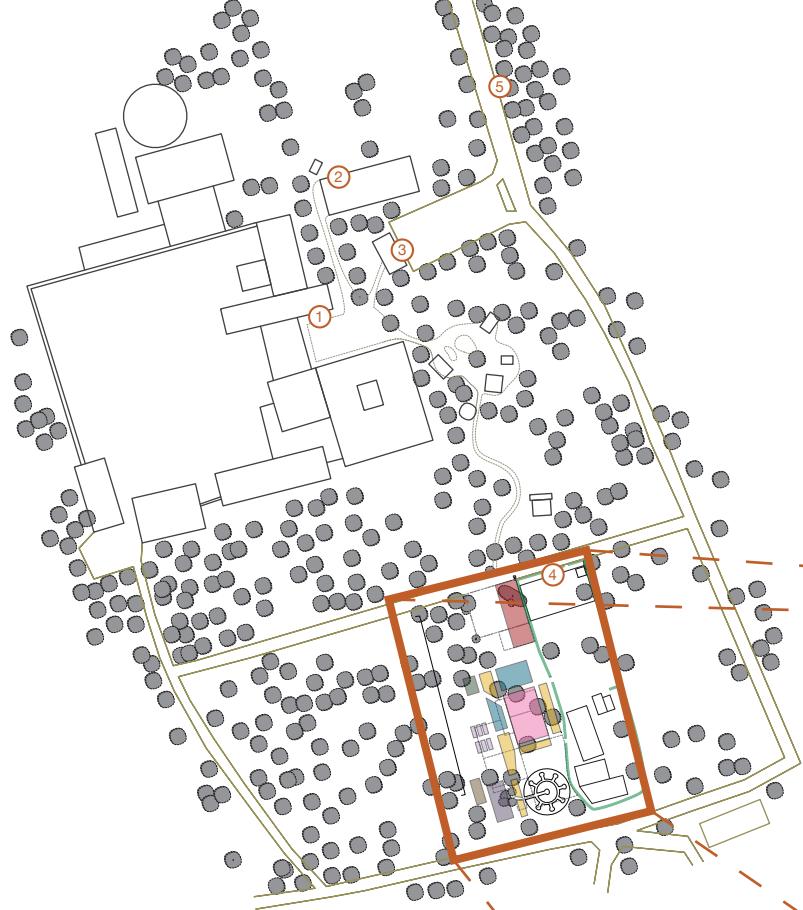


## CLASSROOM SPACE



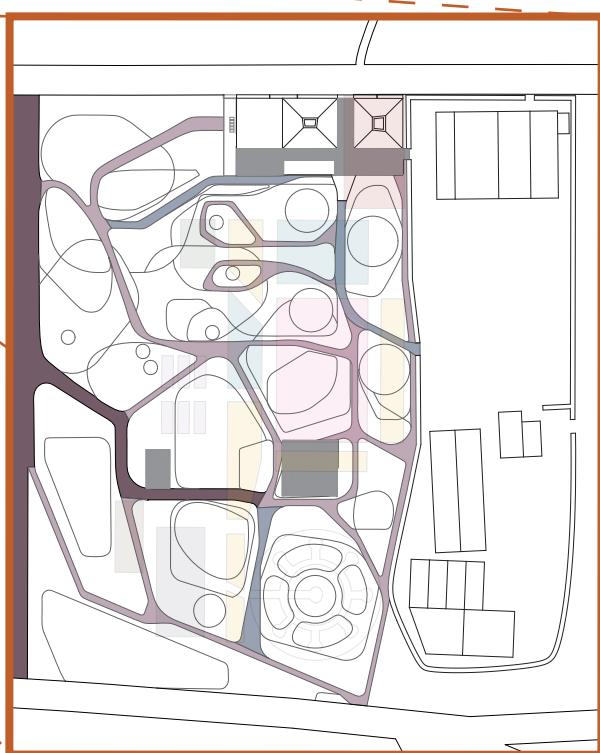


# SITE DIAGRAMS



- UNDEFINED PLANTING SPACE
- TROPICAL FOREST
- FEDGE
- BATHROOMS
- MANDALAS
- KITCHEN + WATER COLLECTION
- COMPOST
- RAISED PLANTING BEDS
- SENSORY GARDENS
- EDUCATIONAL SPACE

- ① CAFE
- ② SNACK BAR AND EVENT SPACE
- ③ TOUR ENTRANCE, PARKING, RESTROOMS
- ④ NURSERY
- ⑤ DIRT ROAD TO LA AZOTEA ENTRANCE



- MAIN PATHS
- ROAD/CONSTRUCTION ACCESS
- SECONDARY PATHS

FRONT OF STRUCTURE



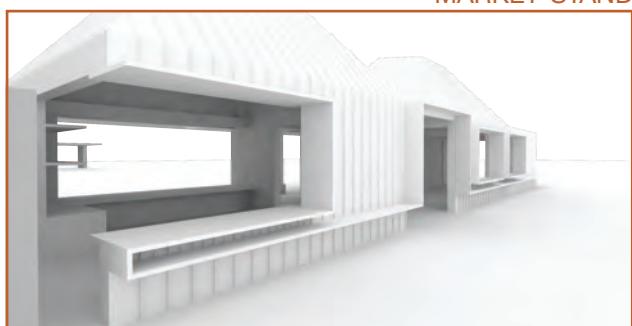
BACK OF STRUCTURE



FEDGE ENTRANCE



MARKET STAND



COLLABORATION SPACE



CLASSROOM



MARKET STAND INTERIOR



OFFICE INTERIOR



# MODELS AND OTHER WORKS

OVER THE LAST FEW YEARS I HAVE BEEN LUCKY ENOUGH TO BE EXPOSED TO A MULTITUDE OF OPPURTUNITES AND EXPERIENCES THAT HAVE PUSHED ME TO EXPAND MY CREATIVE CAPABILITIES. THE FOLLOWING IMAGES NOT ONLY SHOWCASE STUDIO WORK BUT ALSO INDIVIDUAL ENDEAVORS, FABRICATION EXPERIMENTS, COMPITITIONS, ARTWORK, TRAVEL, AND SO MUCH MORE.

PHOTOGRAPHY

NON-PROFIT EVENT PLANNING

HAND-DRAFTING

COLLAGES

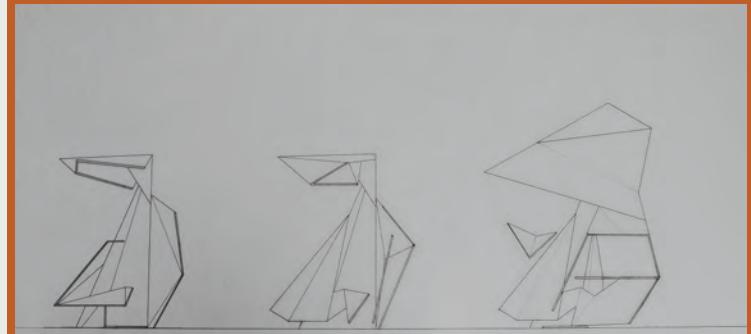
EXPERIMENTAL ARTWORK

SKETCHING

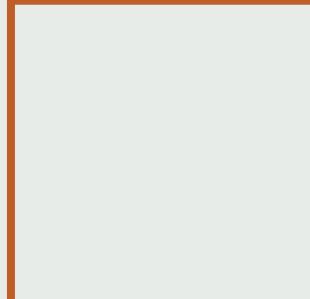
GRAPHIC DESIGN

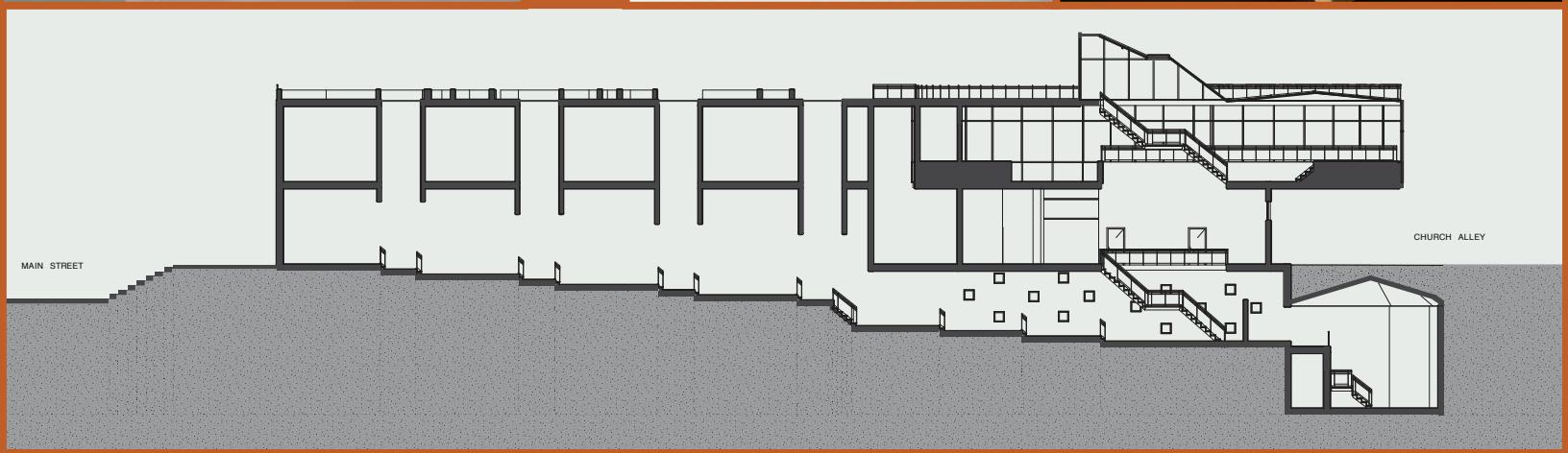
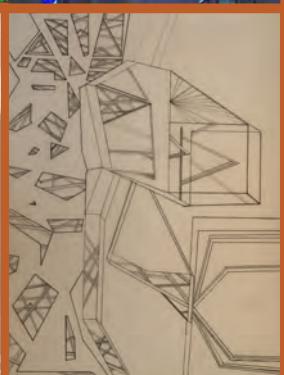
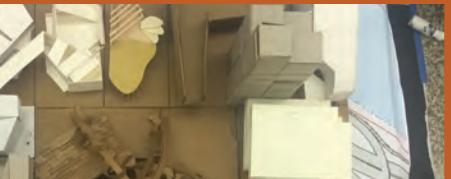
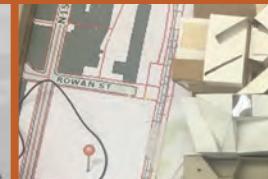
MODELING

AND MORE.



BEAUX ARTS FOUNDATION  
SPRING BALL 2018





MAIN STREET

CHURCH ALLEY

