

# YES!

Live. Love. Sleep.

**NC STATE**  
Design

ARC 501 Professional Architecture Studio 1  
Fall 2014 Studio Projects

# YES!

## STUDENTS

Arsalan Abbasi  
Alex Backeris  
Andrew Dippel  
Kira Fallon  
Victor Galloway  
Stacy Goodman  
Elizabeth Gutierrez  
Taurian Hankins-Smith  
David Ji  
Katie Johnson  
Rachel Jordan  
Mason Lehman  
Kelsey Liu  
Jenna Pye  
Andrew Shields  
Amanda Tan  
Samantha Thimsen  
Jackson Wall  
Ryan Whitley

## STUDIO SPONSOR

Paula Longendyke

## HEAD OF THE SCHOOL OF ARCHITECTURE

Dr. Robin Abrams, FAIA, ALSA

## PROFESSORS

Jamey Glueck, AIA, LEED AP BD+C, REFP  
Vincent Petrarca

## TEACHING ASSISTANT/GRAPHIC DESIGNER

Jeremy Alford

## ACKNOWLEDGEMENTS

We wish to acknowledge and offer a very special thank you to Paula Longendyke for her vision and inspiration. Without her support and active participation this studio would not be possible.

We offer a special thank you to Dr. Robin Abrams and the staff of the College of Design for their guidance and administrative support.

For his wonderful attitude, patience, and design talent, we extend our thanks to Jeremy Alford for composing this publication.

And to all of the students of the Fall 2014 Fifth Year Studio, thank you for your energy, imagination, and creativity.

## Live. Love. Sleep.

“Our vision is to become a multi-generational modern bohemia focused on the boomer generation and their need for continuous reinvention, rediscovery, and creation. We would like to share this sustainable lifestyle and sustainable business model in many communities so we can shift the societal notion of “aging.” The YES is a modern bohemia of artistically gifted, intellectually curious, and open-minded individuals who seek a blossoming creative environment for a weekend refuge, extended retreat, or a full-time residence.”

*Paula Longendyke*



# YES! PROJECTS

## Rural Site

- 6 **Uplift**  
KATIE JOHNSON
- 10 **Flow**  
AMANDA TAN
- 14 **Boardwalk: Connected Community Living**  
JACKSON WALL
- 18 **Redwoods**  
RYAN WHITLEY

## Suburban Site

- 24 **Fluidity**  
ALEX BACKERIS
- 28 **The Green**  
KIRA FALLON
- 32 **The Youth**  
ELIZABETH GUTIERREZ
- 36 **YES! Pulse**  
TAURIAN HANKINS-SMITH
- 40 **Kanopy**  
MASON LEHMAN
- 44 **Revitalize**  
JENNA PYE
- 48 **Highground**  
ANDREW SHIELDS

## Urban Site

- 54 **YES: An Urban Exhibit**  
ARSALAN ABBASI
- 58 **Moore Square Artisit Community**  
ANDREW DIPPEL
- 62 **Project C**  
VICTOR GALLOWAY
- 66 **Urban Village**  
STACY GOODMAN
- 70 **ThunderCloud**  
DAVID JI
- 74 **YES: Ascend**  
RACHEL JORDAN
- 78 **YES: Moore Square Towers**  
KELSEY LIU
- 82 **YES: Elevate**  
SAMANTHA THIMSEN

## EXTRAS

- Final Presentations** 89
- Tiny House Designs** 123

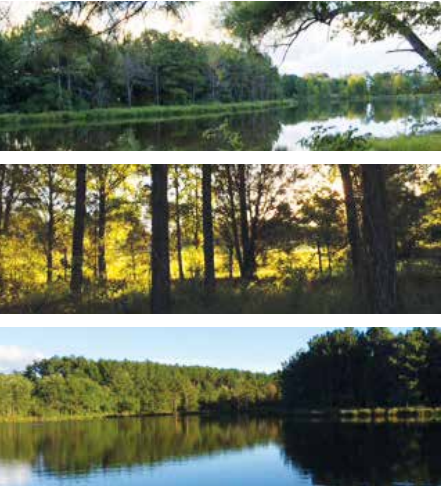
## PRECEDENTS

- Wall Section** 137
- Tiny House** 147
- Site** 167

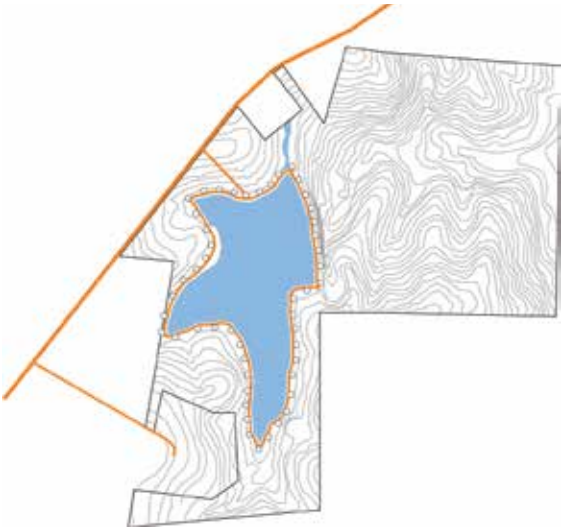


# Rural Site

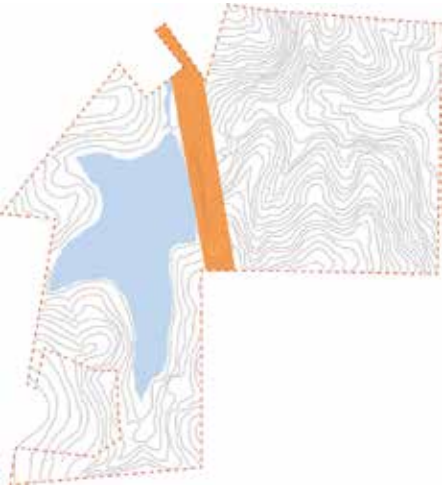
104 ACRES  
3132 Redwood Road  
Durham County, NC



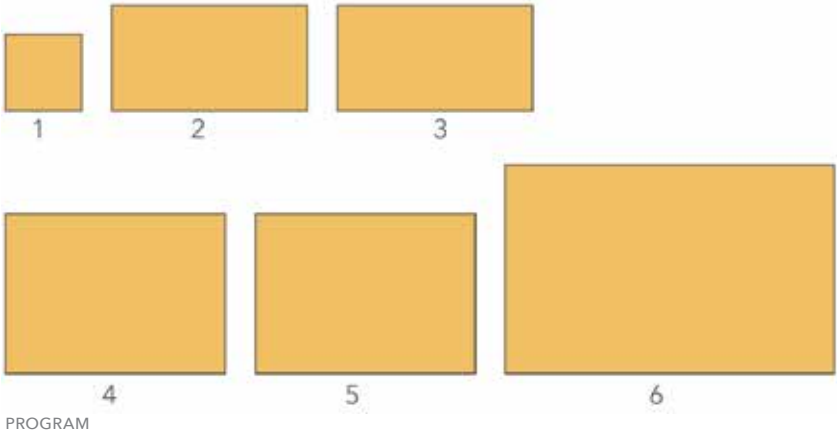
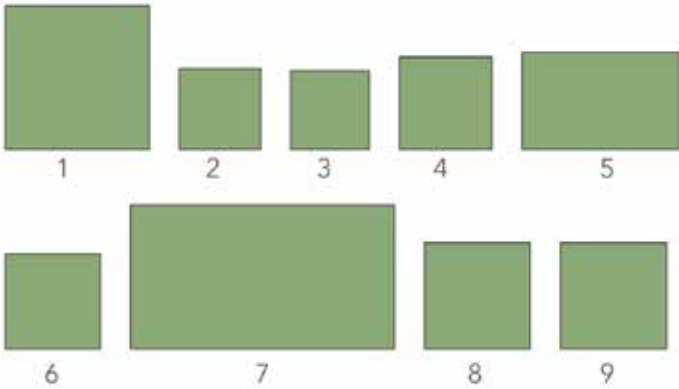
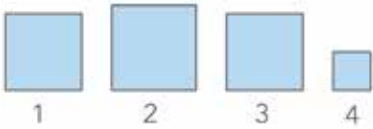
LANDFORM



CIRCULATION



SETBACKS & EASEMENTS



PRIVATE HEATED	
1. SMALL HOMES	650 SQ FT
2. CAREGIVER HOMES	800 SQ FT
3. GUEST HOMES	650 SQ FT
4. SHEDS	160 SQ FT

PUBLIC HEATED	
1. GYM	2300 SQ FT
2. YOGA	730 SQ FT
3. SPA	690 SQ FT
4. CLUBHOUSE	950 SQ FT
5. OFFICE/GREETING	1800 SQ FT
6. READING	1000 SQ FT
7. DINING/BANQUET	4600 SQ FT
8. BAR	1250 SQ FT
9. BOATHOUSE	1250 SQ FT

PUBLIC UNHEATED	
1. POOL	650 SQ FT
2. PARKING	2500 SQ FT
3. FARMERS MARKET	2500 SQ FT
4. CIRCULATION/DECK	4000 SQ FT
5. AMPHITHEATRE	4000 SQ FT
6. GARDENS	8000 SQ FT



# Uplift

KATIE JOHNSON

Uplift is a project that is defined by the landscape of the site. Drawing from inspiration of the flora and fauna of the site, the building nestles itself into the ground. A vegetated roof plane lifts above the living spaces, creating a greenway that creates a connection to the trails around the site, as well as a connection between the buildings beneath it. The interior spaces are daylit through skylights that penetrate through the green roof. As you approach the building from the main road, as you leave the parking lot, you walk along paths that take you lower into the ground, descending towards the building. All of the residences and the majority of the shared living spaces face the

water, providing each with a lakefront view. The houses, community kitchen, dining, laundry, gym, and spa spaces are on the southwestern bank of the lake, while the cafe, bar, office, and studio spaces are on the southeastern side. The two buildings are connected by roads, as well as a bridge that serves as a dock and boathouse as well.



SITE PLAN



VIEW OF ROOF





VIEW OF INTERIOR SHARED SPACE



VIEW OF POOL



COMMUNITY BUILDING SECTION



RESIDENTIAL BUILDING SECTION



WALL SECTION RENDER



# Flow

AMANDA TAN

An environment to flow effortlessly through life. Follow the path.

Located in a rural district of Durham, NC, the intent of the design is to respond to existing natural conditions: a large water feature (currently Pettys Lake, a man-made lake and dam) surrounded by an open, tree-filled plot of land. The concept of the scheme is based on creating a continuous circuit of path and destination, journey and discovery, with the ultimate goal of creating an environment that promotes an active and positive lifestyle. The design is about community, and it is driven by an open course of interaction

with the site while simultaneously encouraging interaction among individuals using the spaces. By forming and orienting a program that responds to the landforms (conforming to the existing topography, waterline, and tree footprints), one would experience a series of moments while walking along the timber deck and connecting bridges, with views framed within the serene landscape and outwards to the lake. The rustic standing-seam copper clad and barn-like form and structural composition of the buildings were inspired by rural design and are meant to situate elegantly and non-intrusively along the lake's edge.



SITE PLAN



PROGRAM

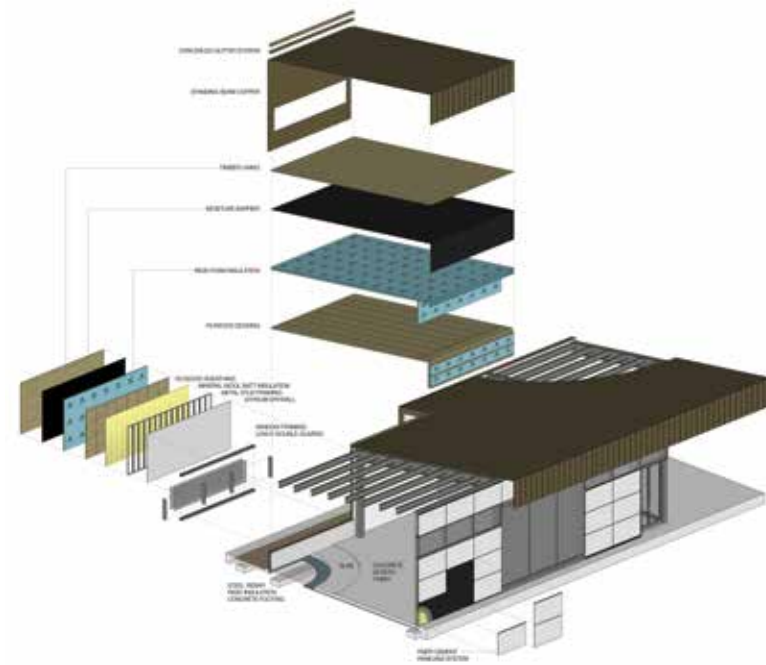
CIRCULATION

ORIENTATION



SECTION PERSPECTIVE THROUGH HOUSES

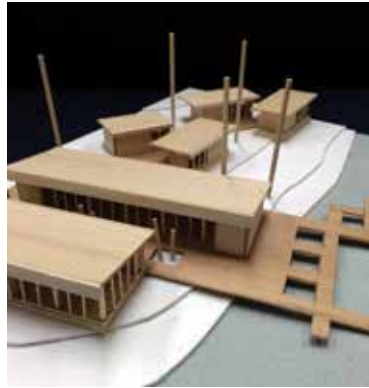




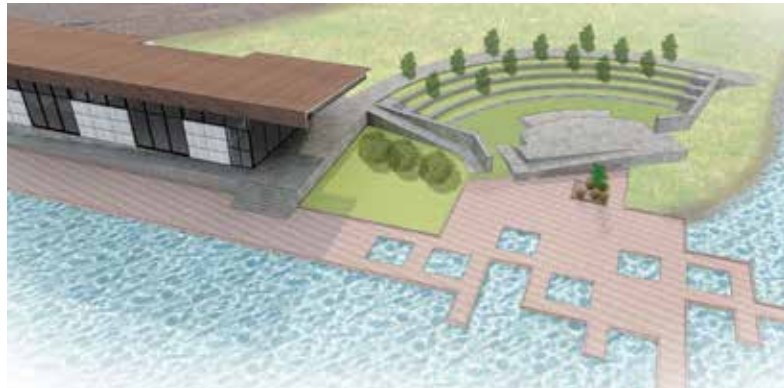
BUILDING ASSEMBLY AXONOMETRIC



1/8" = 1'-0" SECTION MODEL



1/16" = 1'-0" MODEL



COMMUNITY CENTER, PERFORMANCE GARDEN, LAWN & DECK



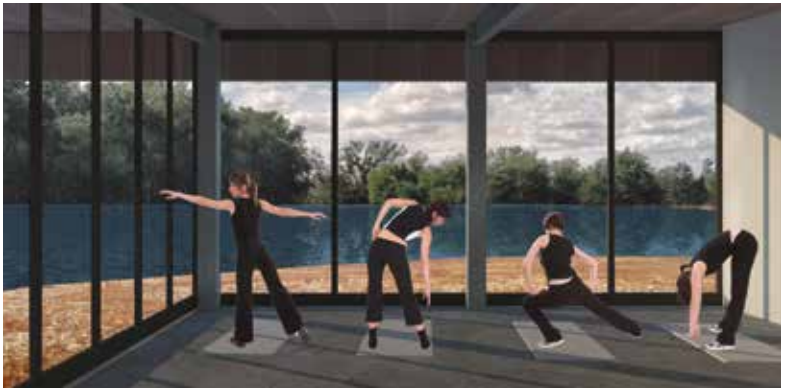
FARMERS MARKET / PERSONAL SHEDS



COMMUNITY CENTER INTERIOR



READING PAVILION ON THE LAKE



YOGA STUDIO INTERIOR



EAST ELEVATION OF COMMUNITY CENTER



NORTH ELEVATION OF RECREATION CENTER



# Boardwalk: Connected Community Living

JACKSON WALL

The Boardwalk is an active aging community where the user finds themselves immersed in a rural yet amazingly connected type of living. The entirety of the project is connected by a wooden deck allowing for a pleasant and easy walk to all of the enticing communal attractions such as a dining facility, amphitheater, gym complex, and much more.

Furthermore, along with these wonderful amenities, each resident, regardless of their particular unit, has a full open view of the lake that exists on the site. This gives the residents the freedom to choose their unit based on

their desire of the community spaces. not worrying about if they will get a wonderful lake view. This project speaks to the integration one feels with the architecture as well as the site itself. Integration is key in promoting an active communal living condition where the residents will enjoy and keep coming to.



SITE PLAN



VIEW OF DECKS





FLOOR PLANS



LAYERING DIAGRAM



ELEVATION



INTERIOR HOUSE



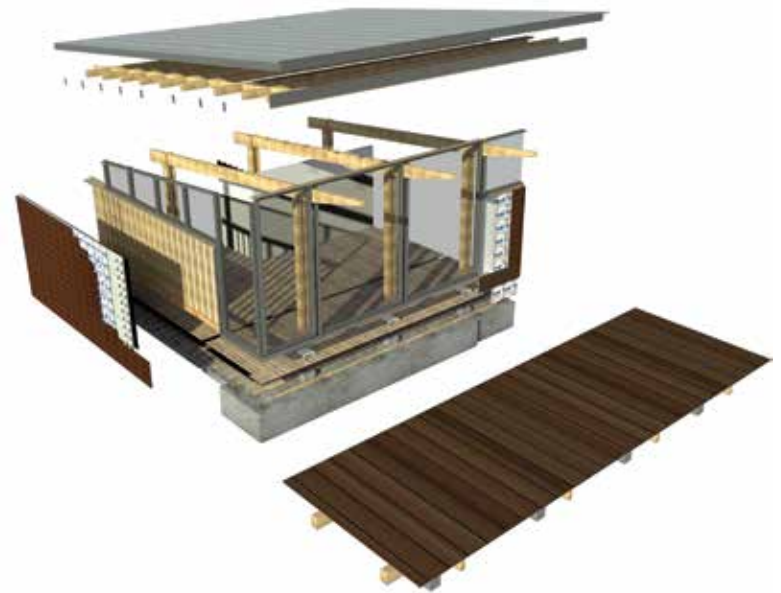
TERRACED GARDENS



SECTION A



SECTION B





# Redwoods

RYAN WHITLEY

Redwoods is a community designed to foster collaboration and interaction. Set in the center of wooded cover, the main building of the scheme acts as the public hub, placing most of the shared group spaces in juxtaposition to each other, and centers these spaces around a public courtyard. Within this courtyard are hard spaces for dining and events, a lap pool, and group seating around a campfire ring. From the topography, and depending on what path the user takes, buildings emerge and are discovered. A hierarchal path system funnels people both from their homes to the center hub, as well as a main axis leading up to a pavilion and boardwalk on the lake. The scale of the

home is very personable. Fitting under a “modular catalogue” the user can choose from a palette of styles to make their home more personal. With the given landscape, the user can also choose to be in closer proximity to other users, or to have their home in a completely private location. Sheds and other small public items can be placed in this same manor throughout the site. Overall, Redwoods acts as a flexible and modern retreat surrounded by nature, and allows an exponential amount of space for future growth.

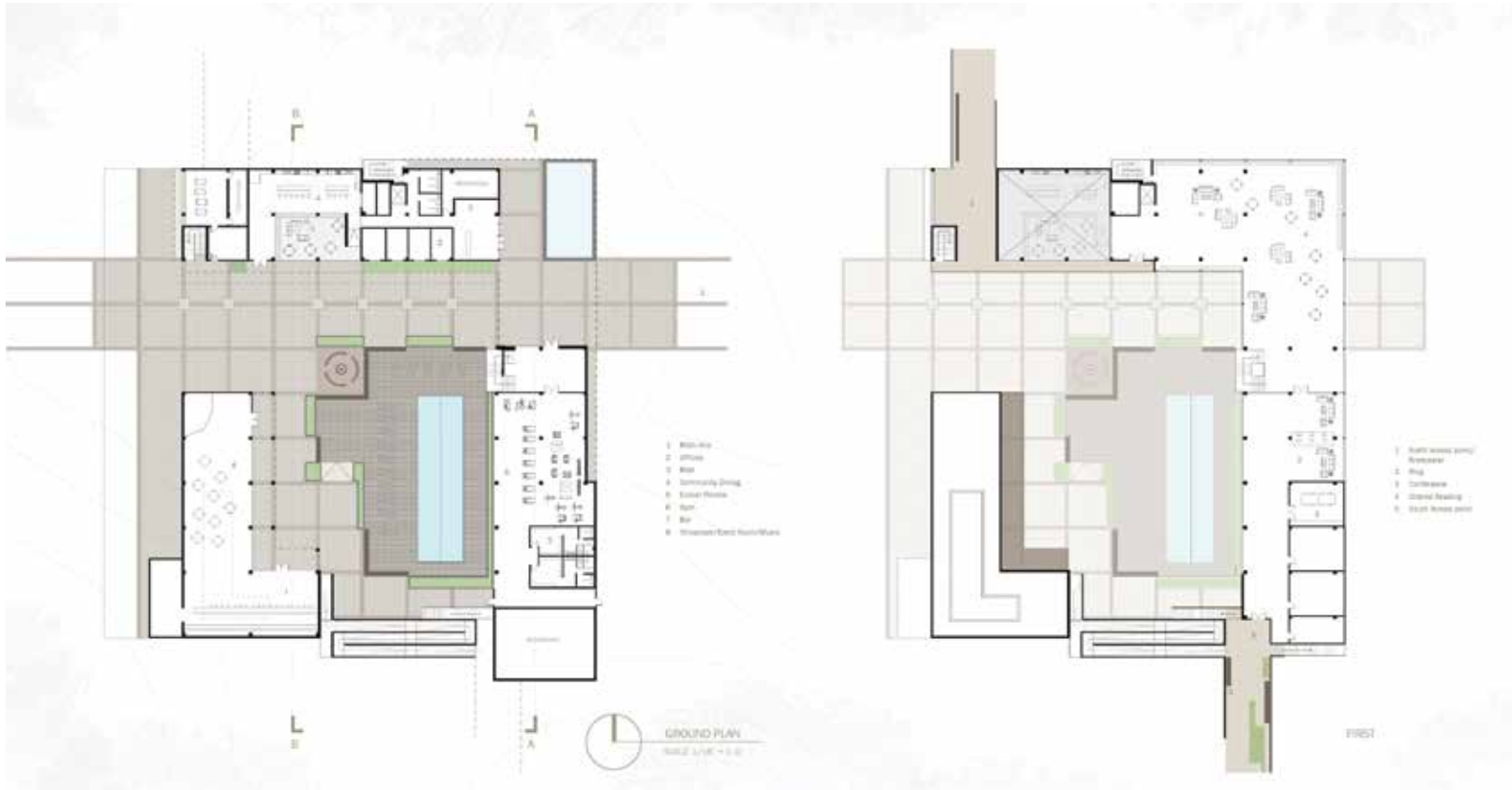


SITE PLAN



MAIN AXIS ENTRY

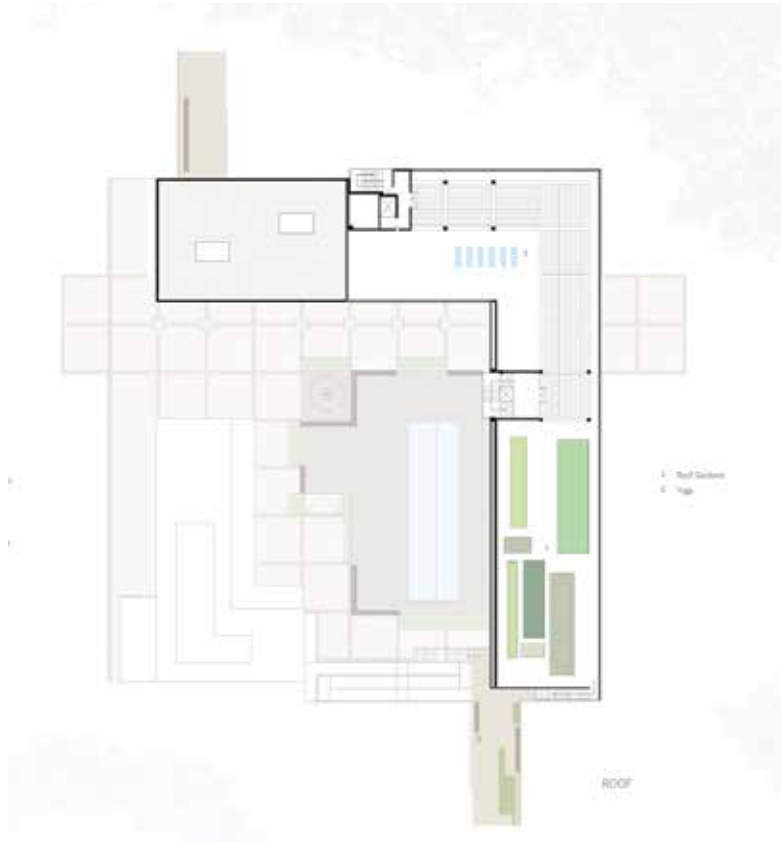




FLOOR PLANS



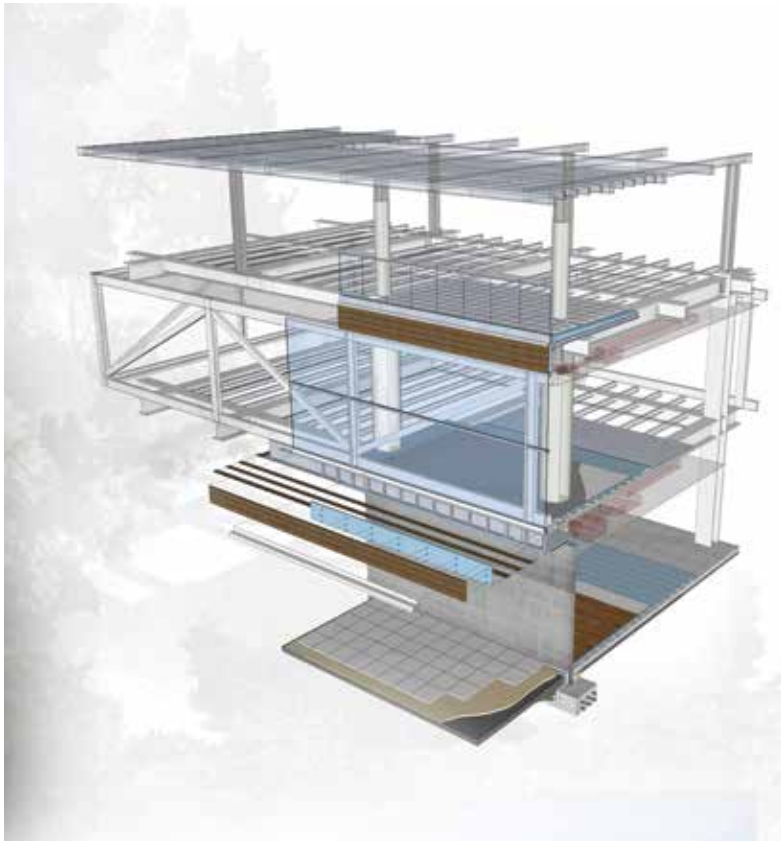
SECTIONS & ELEVATIONS



COURTYARD



INTERIOR KITCHEN/LIVING



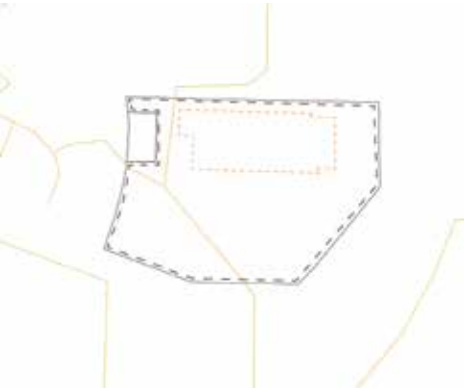
WALL SECTION ISOMETRIC

# Suburban Site

15 ACRES  
4500 Western Boulevard  
Raleigh NC



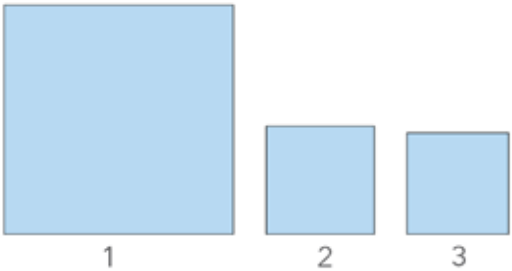
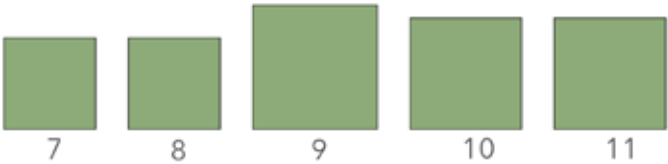
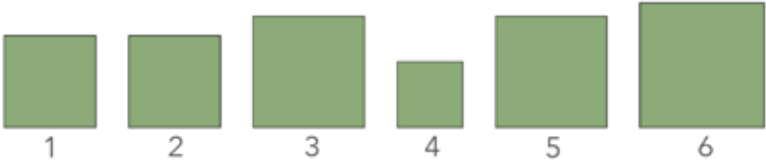
CIRCULATION



SITE BOUNDARIES



NATURAL SYSTEMS



PROGRAM

PRIVATE HEATED	
1. TINY HOMES (20-24)	600 SQ FT
2. CAREGIVER HOMES (3)	600 SQ FT
3. VISITOR HOMES (5)	600 SQ FT
4. SHEDS (30)	150 SQ FT

PUBLIC HEATED	
1. COMMUNITY KITCHEN	800 SQ FT
2. COMMERCIAL KITCHEN	800 SQ FT
3. DIVE BAR	1200 SQ FT
4. LAUNDRY	400 SQ FT
5. OFFICE	1200 SQ FT
6. GYM	1500 SQ FT
7. YOGA	900 SQ FT
8. POOL	800 SQ FT
9. AMPITHEATER	2500 SQ FT
10. READING OFFICE/BLOGGING	1200 SQ FT
11. (Unlabeled)	1200 SQ FT

PUBLIC UNHEATED	
1. PARKING	4900 SQ FT
2. GARDENS	1200 SQ FT
3. OUTDOOR DINNING	1200 SQ FT



# Fluidity

ALEX BACKERIS

Fluidity is a design in which the materiality, construction system, and environmental design is derived directly from the clients vision of creating a sustainable place based on the life and experience of its inhabitants - a place for reinvention, discovery, and continuous evolution. It is a proactive prototype for regenerative eco communities that utilize the rapid growth of bamboo to continually provide for the local environment and economy, allowing for the community to grow and adapt naturally to suit the needs of its continuously evolving inhabitants in any economic conditions. The community is built from laminated bamboo that is grown and manufactured on site, and

prefabricated into stackable modules that can be assembled in a system with inherent qualities that establish public to private relationships, circulation, and proportions of courtyard spaces at multiple scales, while allowing variation of form, flexibility of size, and vertical growth.



CONCEPTUAL DIAGRAMS



SITE PLAN

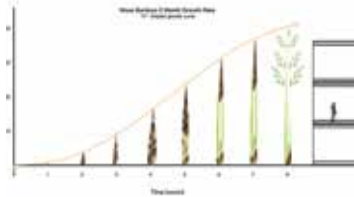


VIEW INTO CENTRAL COURTYARD

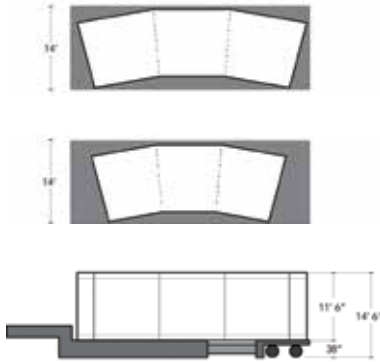




MOSO BAMBOO USDA GROWTH MAP



MOSO BAMBOO GROWTH DIAGRAM



MODULE SHIPPING DIAGRAMS



SOUTH ELEVATION



TOP FLOOR



2ND FLOOR

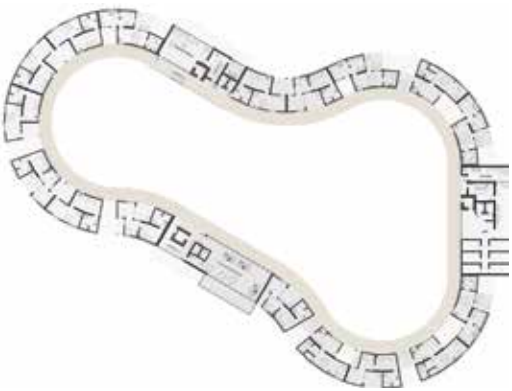


GROUND FLOOR

MASSING DIAGRAMS



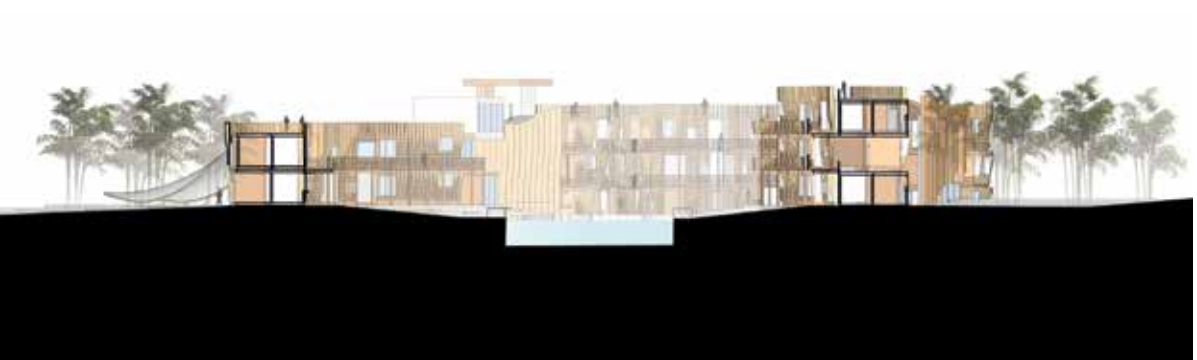
ROOF PLAN



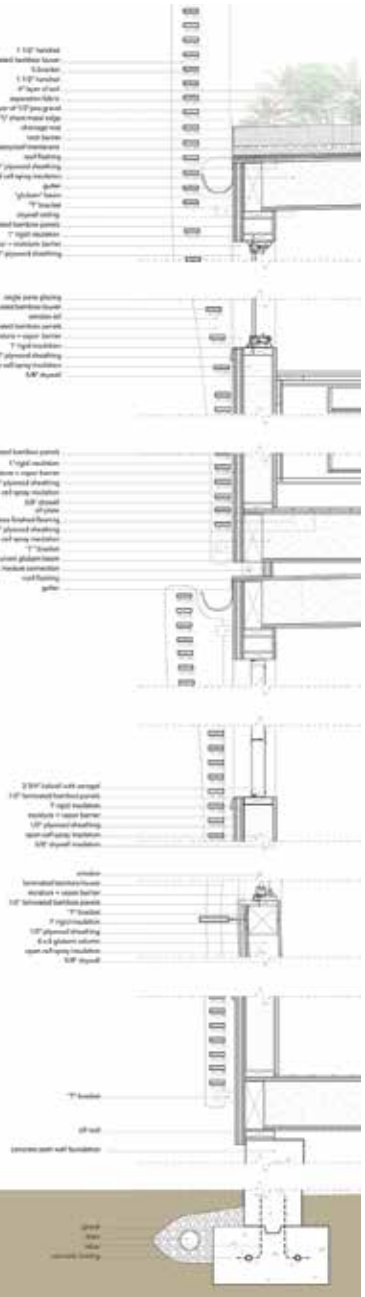
SECOND FLOOR PLAN



VIEW OF FACADE



SECTION AA



WALL SECTION

# The Green

KIRA FALLON

Located just outside the heart of downtown Raleigh, the GREEN is an active-aging community that celebrates interconnected living among baby boomers.

Both public and private buildings create an outdoor community green for residents to use in different ways.

On the east, twenty-four 600sq/ft homes and a library wrap a formal garden defining a residential scaled precinct; the community gym, bar, and kitchen form the western edge of outdoor space creating a hardscape gathering place.

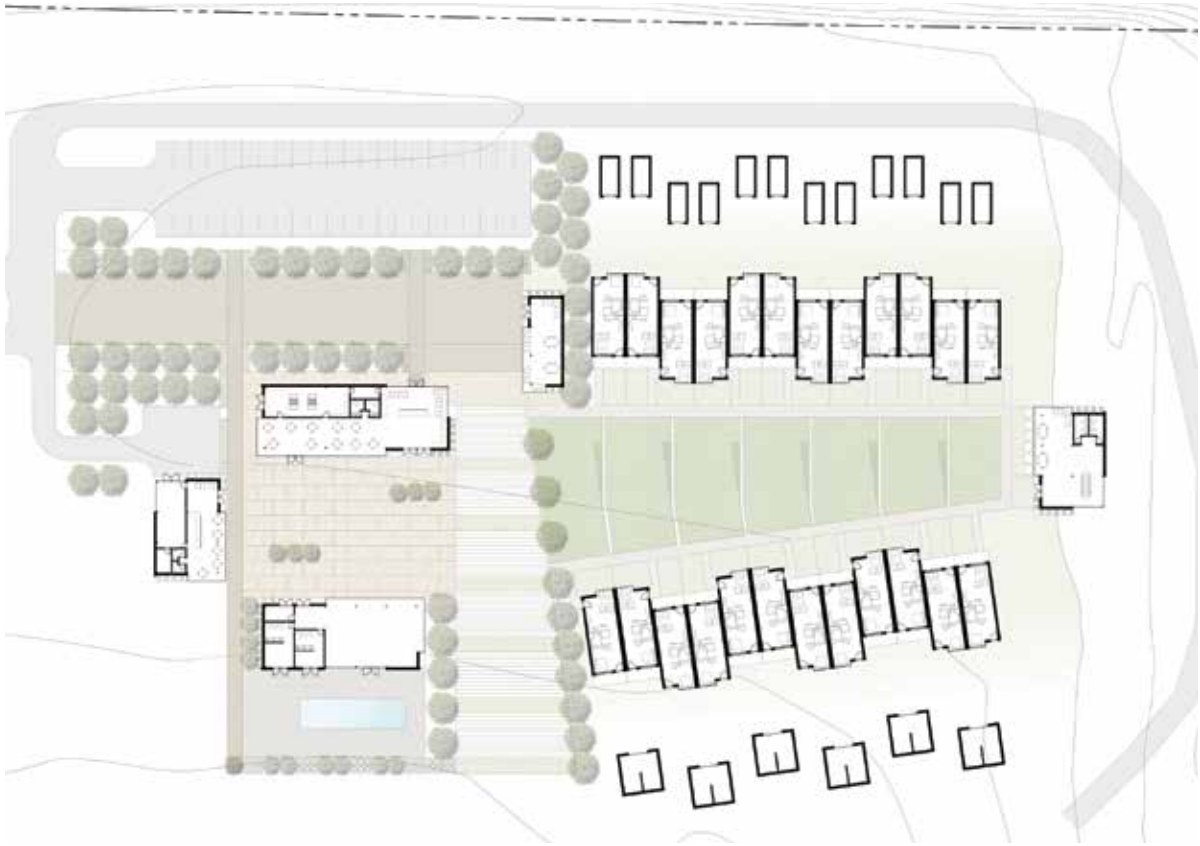


SITE PLAN



VIEW INTO COMMUNITY SPACE

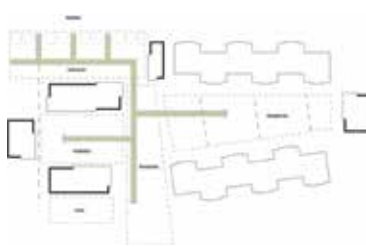




FLOOR PLAN



3-D DIAGRAM



OUTDOOR CIRCULATION DIAGRAM



ENTRY



HOUSE INTERIOR



OVERALL MODEL



COMMUNAL BUILDINGS



GYM AND YOGA STUDIO



ELEVATIONS OF COMMUNAL BUILDINGS



SECTION THROUGH HOUSES



# The Youth

ELIZABETH GUTIERREZ

As an alternative to a retirement home, The Youth is an active aging community that focuses on bringing nature back into the site and into the life of the people for their well being and to create a strong connection with nature, each other, and the larger world.

The site, located at the intersection of Western Blvd. and Blue Ridge Road in Raleigh NC, is currently covered in pavement. The Youth's approach to the dreadful site conditions is to restore the site to a more natural state, and design buildings around gardens to revitalize the land and let the site's soil

breathe again. To further enrich the existence of the residents with an ever changing experience full of fragrances, textures, and colors, the facades are designed as an extension of the gardens.

The facade has two purposes: to allow residents to interact with the vertical garden outside, and an interior experience using interpreted geometry from nature to create dappled light.



SITE PLAN



VIEW INTO A HOUSE CLUSTER COURTYARD





VIEW FROM THE COMMUNITY KITCHEN



BUILDING SECTION THROUGH HOUSES



APPROACH



EXISTING SITE CONDITIONS



SITE REVITALIZATION



WALL SECTION AXONOMETRIC



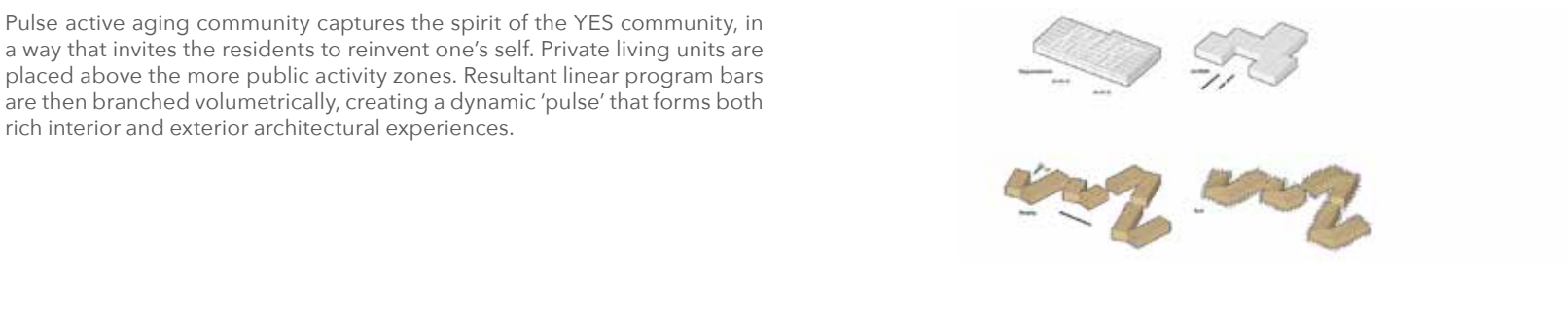
BUILDING SECTION THROUGH HUB



# YES! Pulse

TAURIAN HANKINS-SMITH

Pulse active aging community captures the spirit of the YES community, in a way that invites the residents to reinvent one’s self. Private living units are placed above the more public activity zones. Resultant linear program bars are then branched volumetrically, creating a dynamic ‘pulse’ that forms both rich interior and exterior architectural experiences.



SITE PLAN

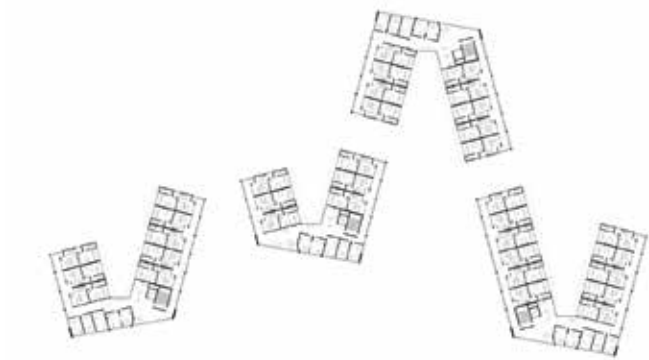


RAIN GARDEN





LEVEL 1



LEVEL 2



EAST ELEVATION



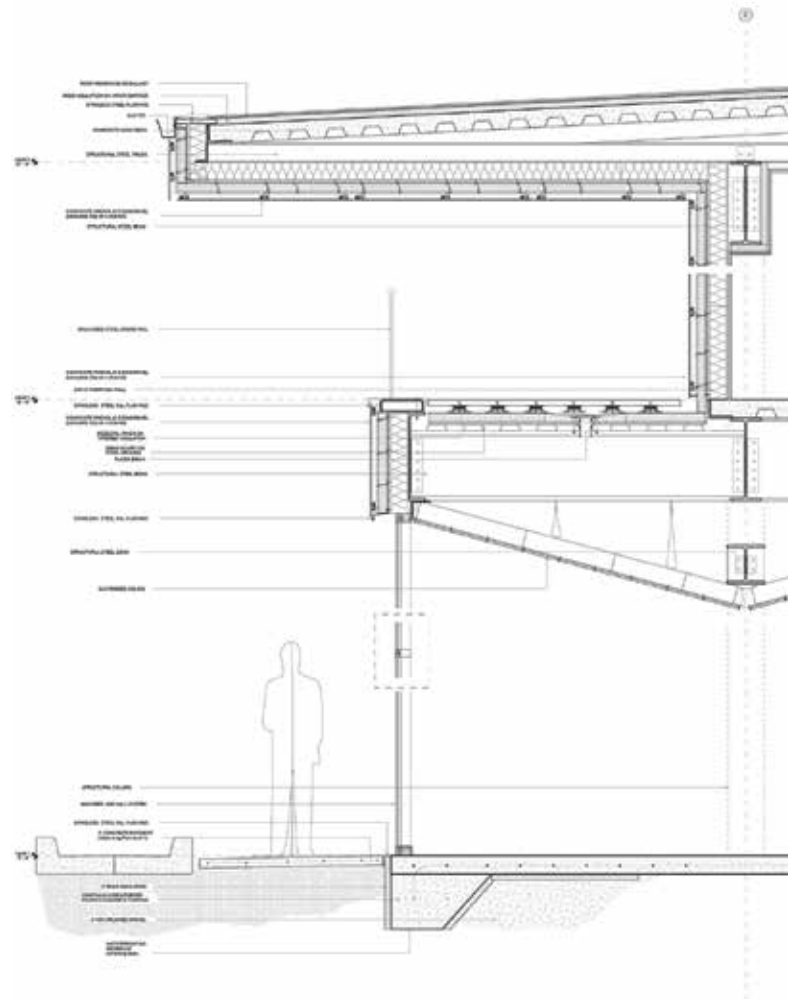
COMMUNITY DINING



AMPHITHEATER



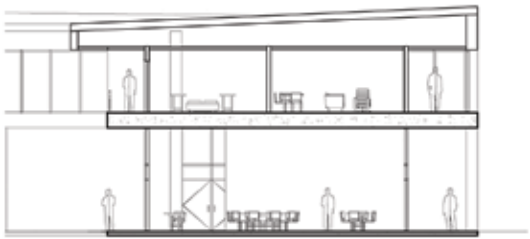
SOUTH ELEVATION



WALL SECTION



AXON



SECTION | COMMUNITY KITCHEN



# Kanopy

MASON LEHMAN

Kanopy takes advantage of the existing resources on the suburban site by reusing the steel frame of Kmart as an industrial sized trellis to connect the YES! community. The public buildings and housing units sit up against the remaining frame to create covered courtyards of varying sizes that reflect the different types of use. The existing steel frame is repurposed and is used to support a solar panel array that will provide shade for the community and help to create sustainable energy. The density of the community allows the rest of the site to be returned to its natural state and allows for a generously sized garden that can help to supply the community kitchen with fresh, local

food. The personal sheds will be clustered along a walking path that winds through the site, and allows the residents to be able to escape to their personal shed yet still collaborate with other residents if desired.



SITE PLAN



PUBLIC COURTYARD





FLOOR PLAN



FRONT ELEVATION



PARTI DIAGRAM



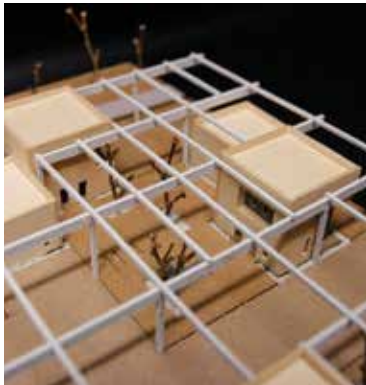
CROSS SECTION



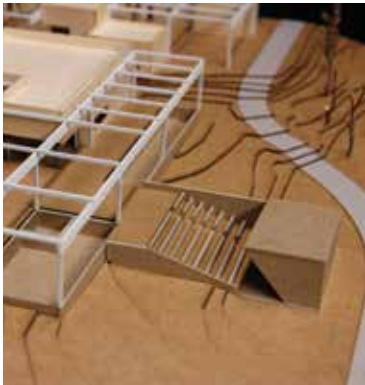
RESIDENTIAL COURTYARD



COMMUNITY KITCHEN



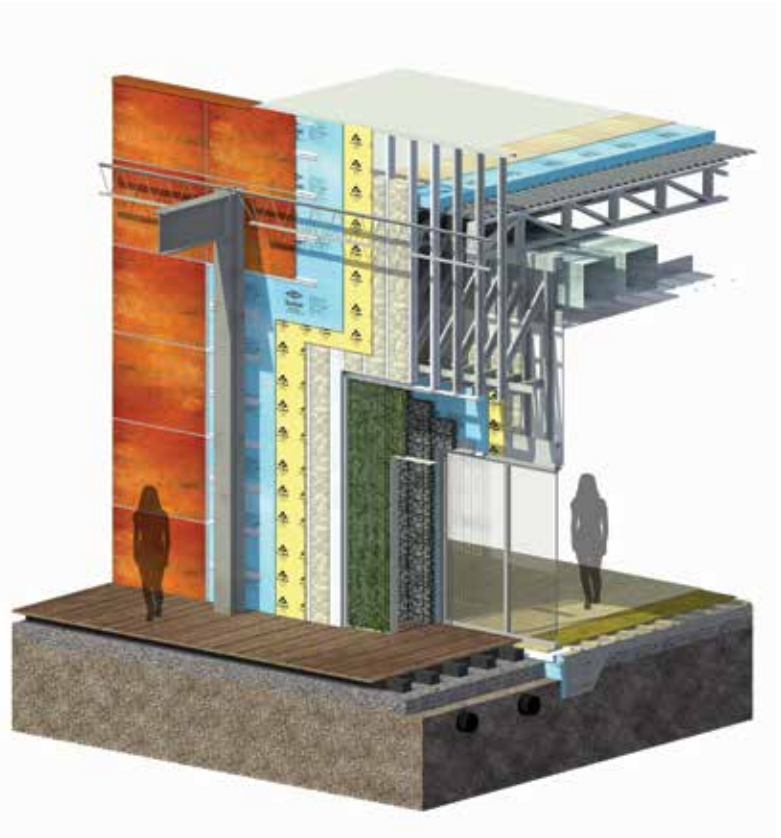
TINY HOUSES AND COURTYARD



POOLS AND AMPHITHEATER



OVERALL MODEL



ASSEMBLY AXONOMETRIC



# Revitalize

JENNA PYE

Located on a suburban site, the YES Community offers a relaxed and secluded environment for urbanites looking to start a new phase of their lives, while still being in close proximity to Downtown Raleigh. The scheme aims to revitalize the land by bringing nature back to the site while fostering community between the residents. Pods of five houses share a common green area, which creates small gathering spaces within the larger community. Houses

are arranged on the eastern portion of the site while public buildings and guest houses are grouped to the west, creating a gradient of privacy within the site.



SITE PLAN

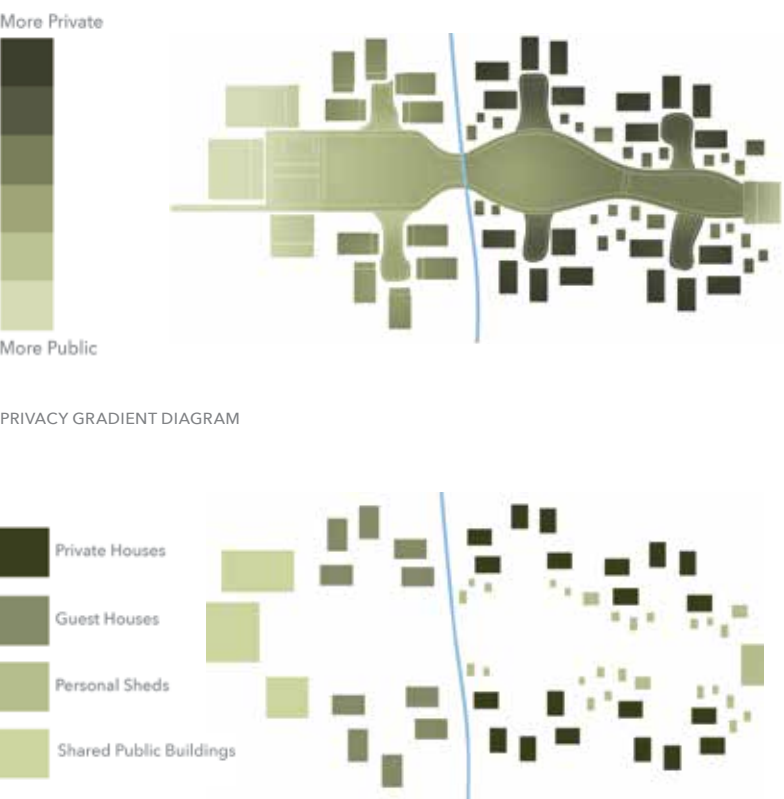


EXTERIOR COURTYARD VIEW

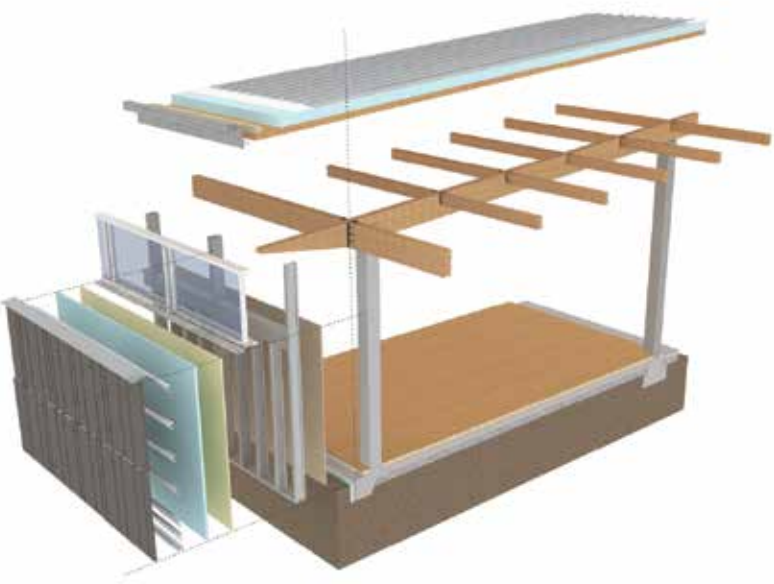




SITE OVERVIEW



BUILDING TYPE DIAGRAM



3-D AXON OF WALL SECTION



COMMUNITY KITCHEN INTERIOR



HOUSE INTERIOR



PHYSICAL WALL SECTION MODEL



PHYSICAL MODEL



# Highground

ANDREW SHIELDS

Highground is a project located on the suburban site where the Kmart currently exists. The concept behind this project was to eliminate the presence of the Kmart building and take out the paved parking-lot, and build the new scheme within the Kmart footprint. This is an attempt to return the site to a natural state, this included uncovering an underground stream and using it as a water feature through the building and ending at a small pond at the bottom of the site with several natural paths through wooded area. The program is structured to have public retail in the front of the site, with a large open courtyard at the heart where people can mingle and interact through-

out the day. This space includes a natural pool, the stream which winds its way through the middle, bisecting the program into two spaces, public and private. The private area is the personal sheds at ground level and the small houses on the second level. The stream also runs through the outdoor amphitheater which can be used for small events or large cconcerts. Overall this project was designed to create a space for the creative and energetic spirited people who want a place to mingle and interact with fellow artists and cultural enthusiasts who are not ready to settle down just yet.

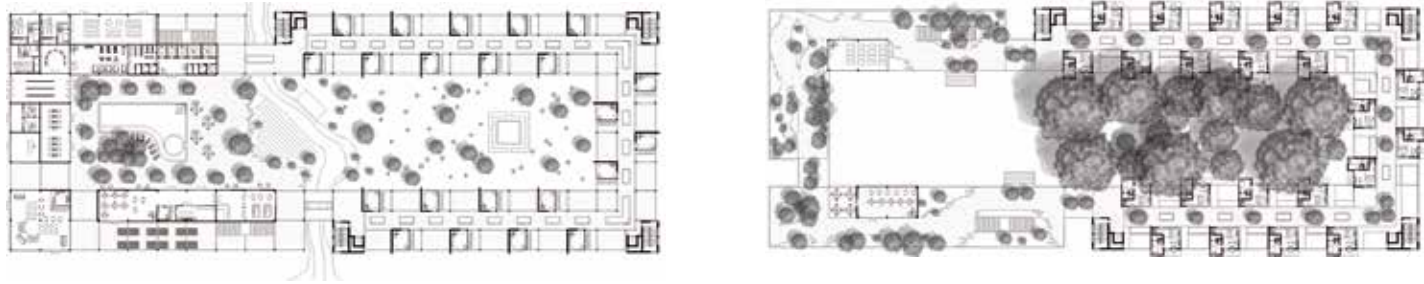


SITE PLAN

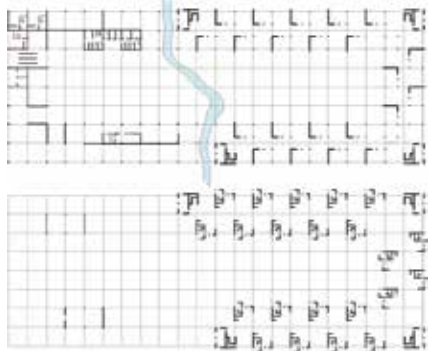


POOL SCENE





FLOOR PLANS



DIAGRAMS



SECTIONS - RENDERS



ELEVATION





# Urban Site

2 ACRES

227 South Person Street  
Raleigh NC



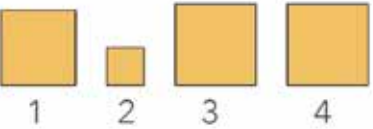
CIRCULATION



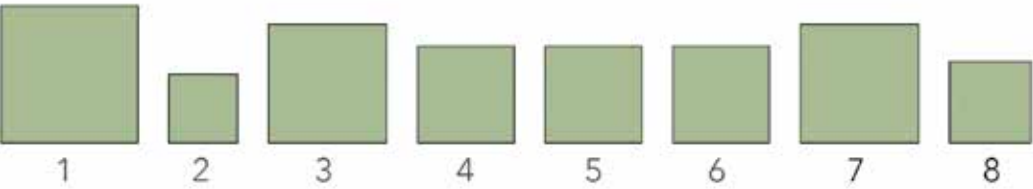
SITE BOUNDARIES



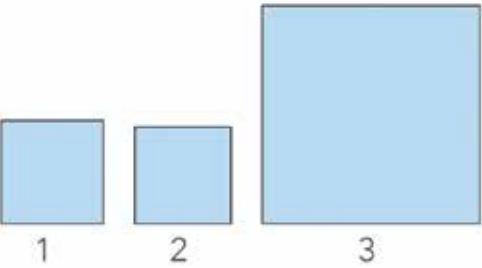
VEGETATION



PRIVATE HEATED	
1. TINY HOMES (20-24)	600 SQ FT
2. MICRO STUDIO (20-25)	150 SQ FT
3. CARGIVER HOUSES (3-5)	700 SQ FT
4. VISITOR HOUSES (3-5)	700 SQ FT



PUBLIC HEATED	
1. RETAIL	2000 SQ FT
2. LOBBY	500 SQ FT
3. GYM	1500 SQ FT
4. SPA	1000 SQ FT
5. YOGA	1000 SQ FT
6. POOL HOUSE	1000 SQ FT
7. DIVE BAR	1500 SQ FT
8. LIBRARY	700 SQ FT
9. SHARED OFFICES	700 SQ FT
10. COMMERCIAL KITCHEN	1500 SQ FT
11. DINING AREA	1000 SQ FT
12. THEATER	2000SQ FT
13. LAUNDRY	500 SQ FT
14. ART GALLERY	500 SQ FT



PUBLIC UNHEATED	
1. COMMUNITY GARDEN	1100 SQ FT
2. OUTDOOR DINING	1000 SQ FT
3. PARKING	5000 SQ FT

PROGRAM



# YES: An Urban Exhibit

ARSALAN ABBASI

YES: An Urban Exhibit is a showcase for collaborative retirement living that is social, vibrant, and visible. By mixing all the elements of the program together to encourage social interaction, a textured facade made up of “tiny houses” and “personal sheds” is punctured by transparent common areas such as the kitchen, yoga studio, and library, allowing for expansive views both out of and into these social spaces. An elevated courtyard containing a pool, gym/spa, guest houses, and a flexible space for a market or performances can be accessed from Moore Square, to which it acts as an extension of green public space. Gardens to grow food are located on the roof of the gym and spa,

on the same level as the communal kitchen, and overlooking the courtyard. This creates a unique relationship between spaces to grow, cook, store, and sell items for a market or for the community to enjoy amongst itself.

The courtyard is a space that is for residents and outsiders alike. Its grand entrance is intended to send a welcoming message to its neighbors that retirement living need not be closed off or isolated – it can be active, social, and a visible example of vibrant urban living for everyone.



SITE PLAN



FRONT ELEVATION FROM MOORE SQUARE





PROGRAM & PARTI



PUBLIC & PRIVATE ZONES



GARDENS & VEGETATION



VIEW FROM MOORE SQUARE



GROUND LEVEL PLAN



LEVEL TWO PLAN



LEVEL THREE PLAN



VIEW UPON ENTERING COURTYARD



VIEW FROM RESTAURANT MEZZANINE



VIEW OF LIBRARY AND OFFICES

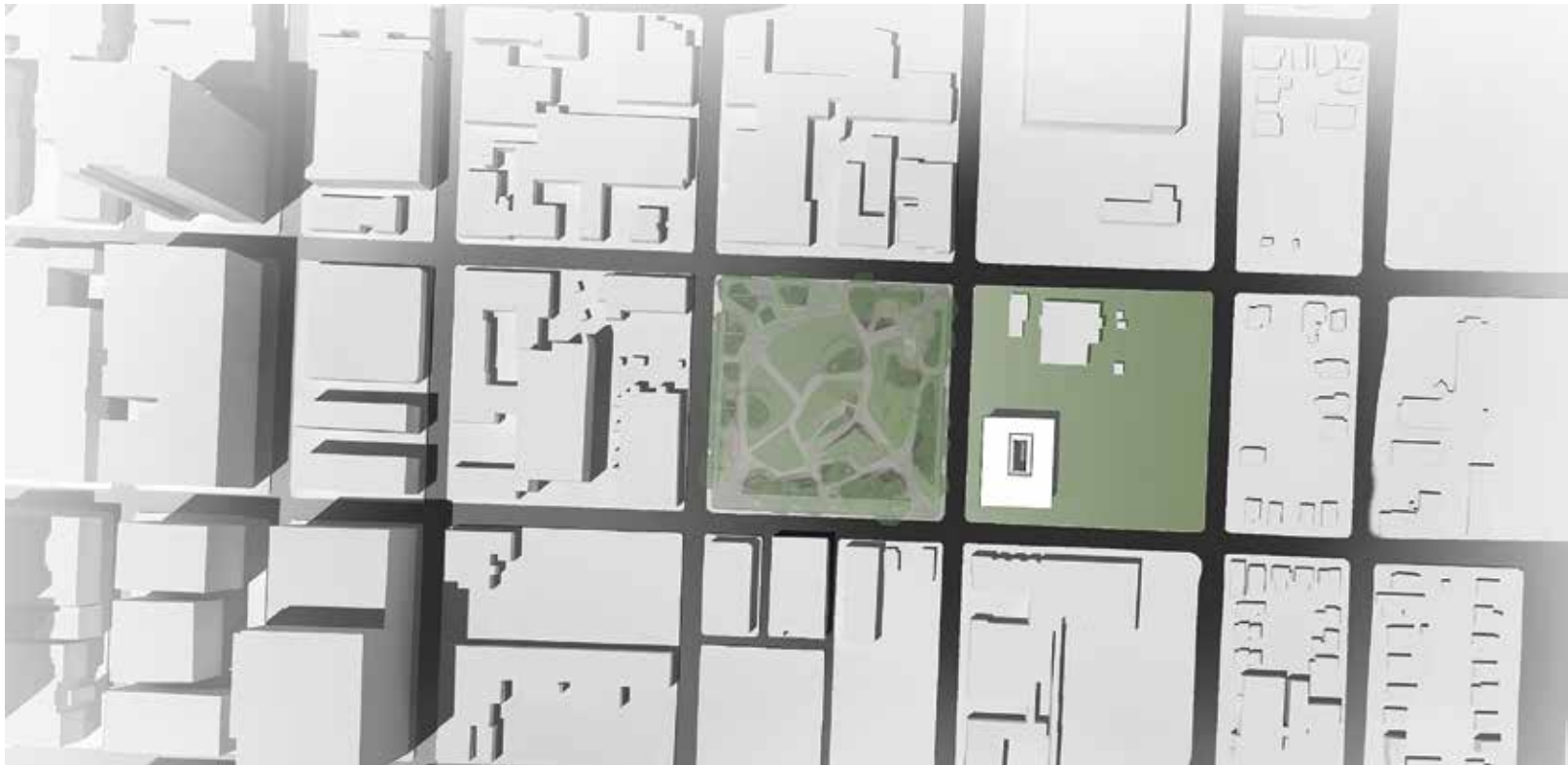


# Moore Square Artisit Community

ANDREW DIPPEL

The Moore Square Artist Community is a prototype for a new way of living for people entering retirement age. The project is targeted towards the creative minded and young at heart and is meant to encourage not only the tenants but also the community in general to pursue creative endeavors. The Moore Square Artist Community seeks to represent and become a monument to the people who live there. In order to achieve this the concept behind the project is based around three volumes. A semi-transparent volume that houses both private and semi public program, a transparent volume that contains all public program and finally an opaque volume that becomes the

main focus of the building which houses a multi-purpose theatre. The benefit of the building being located adjacent to Moore Square gives performers the option to use the park and the city of Raleigh as a backdrop for their performance. Having only 24 housing units, this project requires ample retail space to produce revenue that is located on the ground floor and consists of a cafe, a grocery store and a bar. The urban site is an ideal location for the public to be introduced to the idea of an active aging community.



SITE PLAN



VIEW FROM MOORE SQUARE





OPEN AIR ATRIUM



MICRO STUDIO



CITY THEATRE



SECTION DIAGRAM



# Project C

VICTOR GALLOWAY

Located on the south west corner of the site, Project C lies in a prime location on the urban grid, while also acting as an extension to the Moore Square Park by its open ground plan with access points on all 4 sides into an interior courtyard garden.

The name is derived from the C-Shape of the building where it wraps 3 sides of an interior courtyard that can be seen on every floor from every small home and personal studio.

The lower two floors consist of the most public programmatic elements while the more private programs such as personal studios and small homes are located on the upper floors.



SITE PLAN



EXTERIOR RENDER





## SECOND FLOOR

1. PERSONAL STUDIO
2. LAUNDRY ROOM
3. COMMUNITY KITCHEN
4. READING ROOM
5. GYM
6. LOCKER ROOMS
7. FLEX GYM STUDIO

## THIRD FLOOR

1. HOUSING UNITS
2. PERSONAL STUDIOS

## FOURTH FLOOR

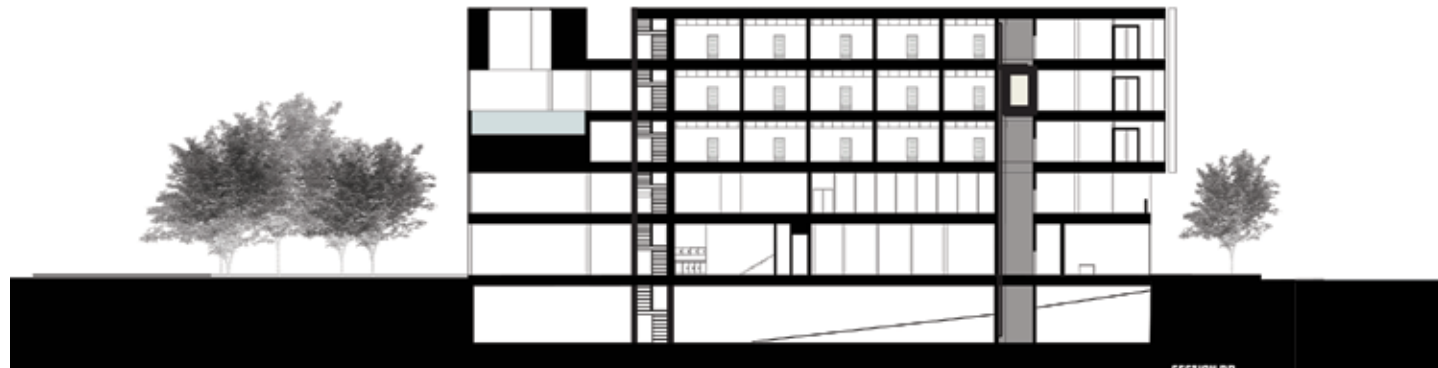
1. POOL
2. SPA
3. SAUNA

## FIFTH FLOOR

1. ROOFTOP OUTDOOR SPACE

## ROOF PLAN

FLOOR PLANS



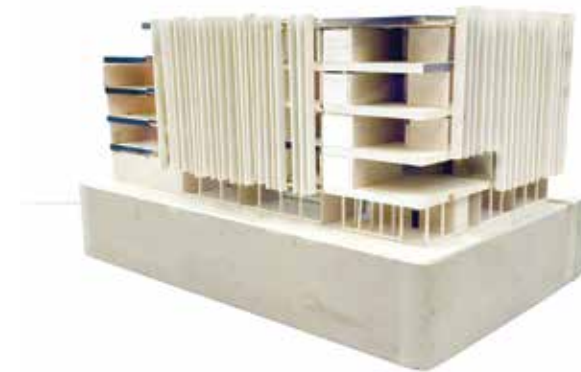
BUILDING SECTION



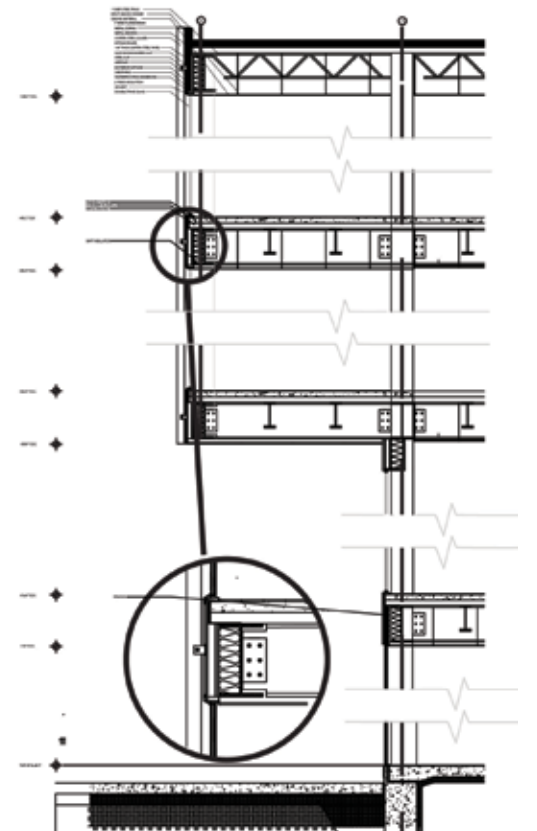
EXTERIOR RENDER



INTERIOR RENDER



PHYSICAL MODEL



WALL SECTION



# Urban Village

STACY GOODMAN

**Challenge:** Create an intentional mixed use community for people of retirement age who are creative, energetic and spontaneous within the existing urban fabric of a public square. **Response:** Enhance the existing cultural and physical environment through a spatial dialogue or “weaving” public and private spaces. **Concept:** Create a space that interlocks or “weaves” light, views and new and existing relationships into a stronger more resilient urban fabric. The space is a garment that is woven together through vistas and movement, encouraging social interaction. Natural light and outdoor spaces are a key part of the design. The entire community sits on a podium which

includes retail, restaurants, grocery and parking. The second level consists of a courtyard, community shared spaces and residents.

The courtyard can be opened to the public, transforming the space to an art expo or outdoor performance theater. Three different housing designs are included to fit the needs of the community, each with a private courtyard, roof top terrace, or balcony. Bay windows are a significant element in the design to imply a closer connection to the city fabric. Sustainable features include solar panels and green roofs.

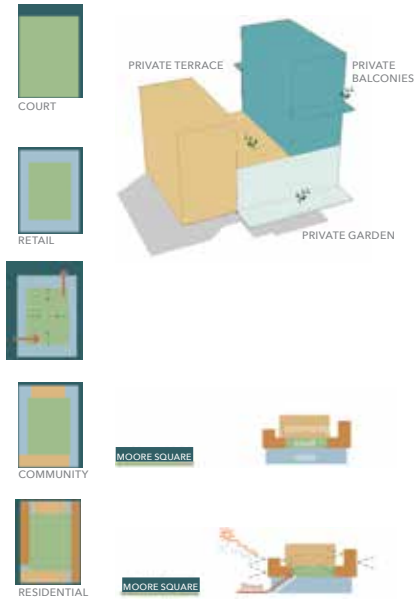


SITE PLAN



URBAN VILLAGE APPROACH FROM WEST





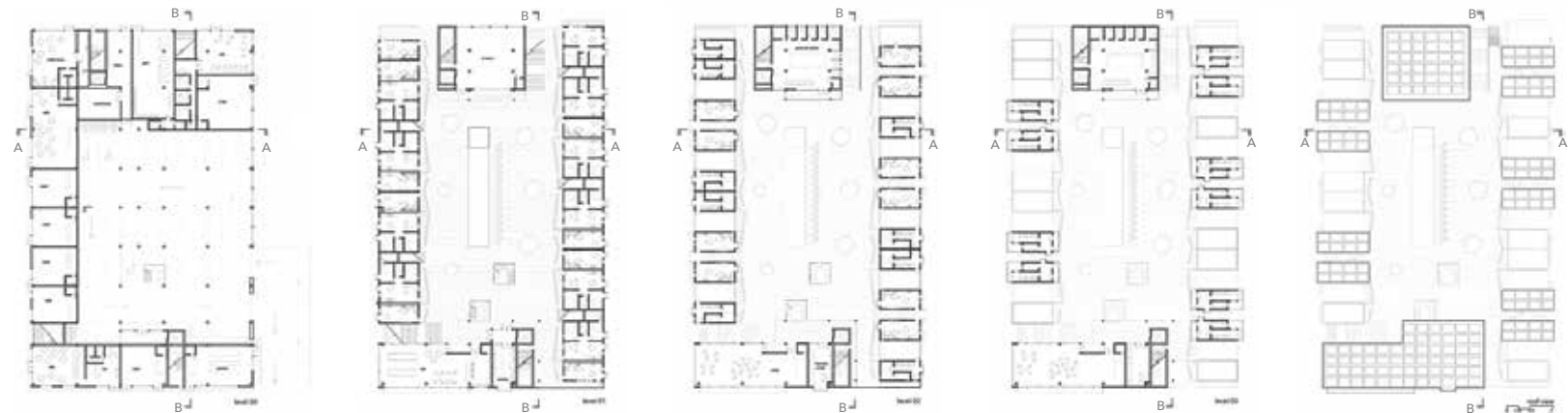
CONCEPT DIAGRAMS



COURTYARD



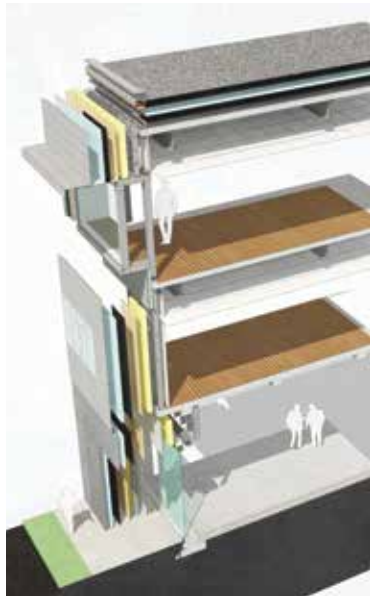
SECTIONS A-A B-B



PLANS A-A B-B C-C D-D E-E



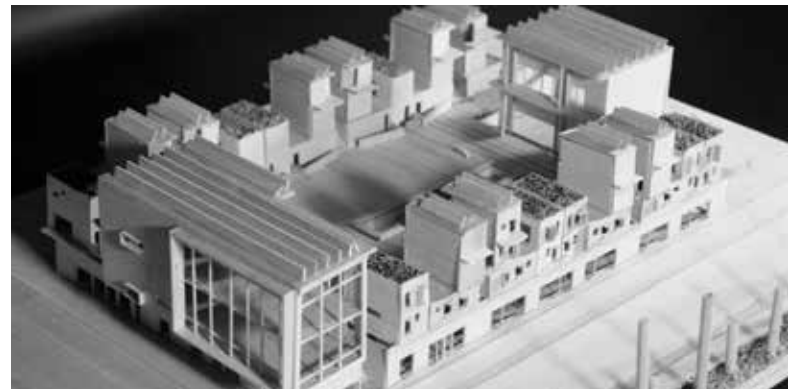
PARTY SPACE



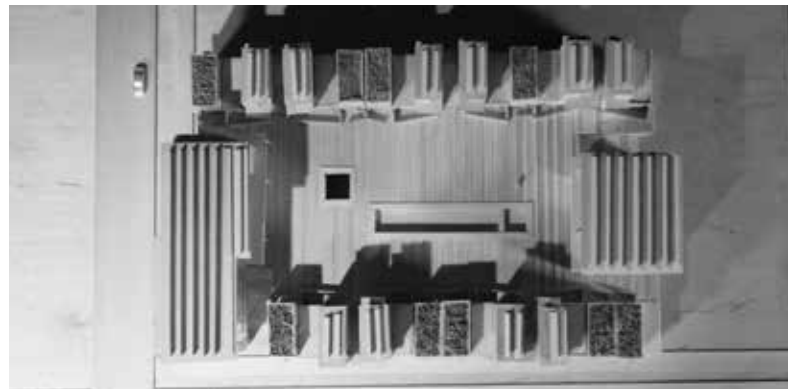
WALL SECTION



ELEVATIONS WEST SOUTH



PHYSICAL MODELS



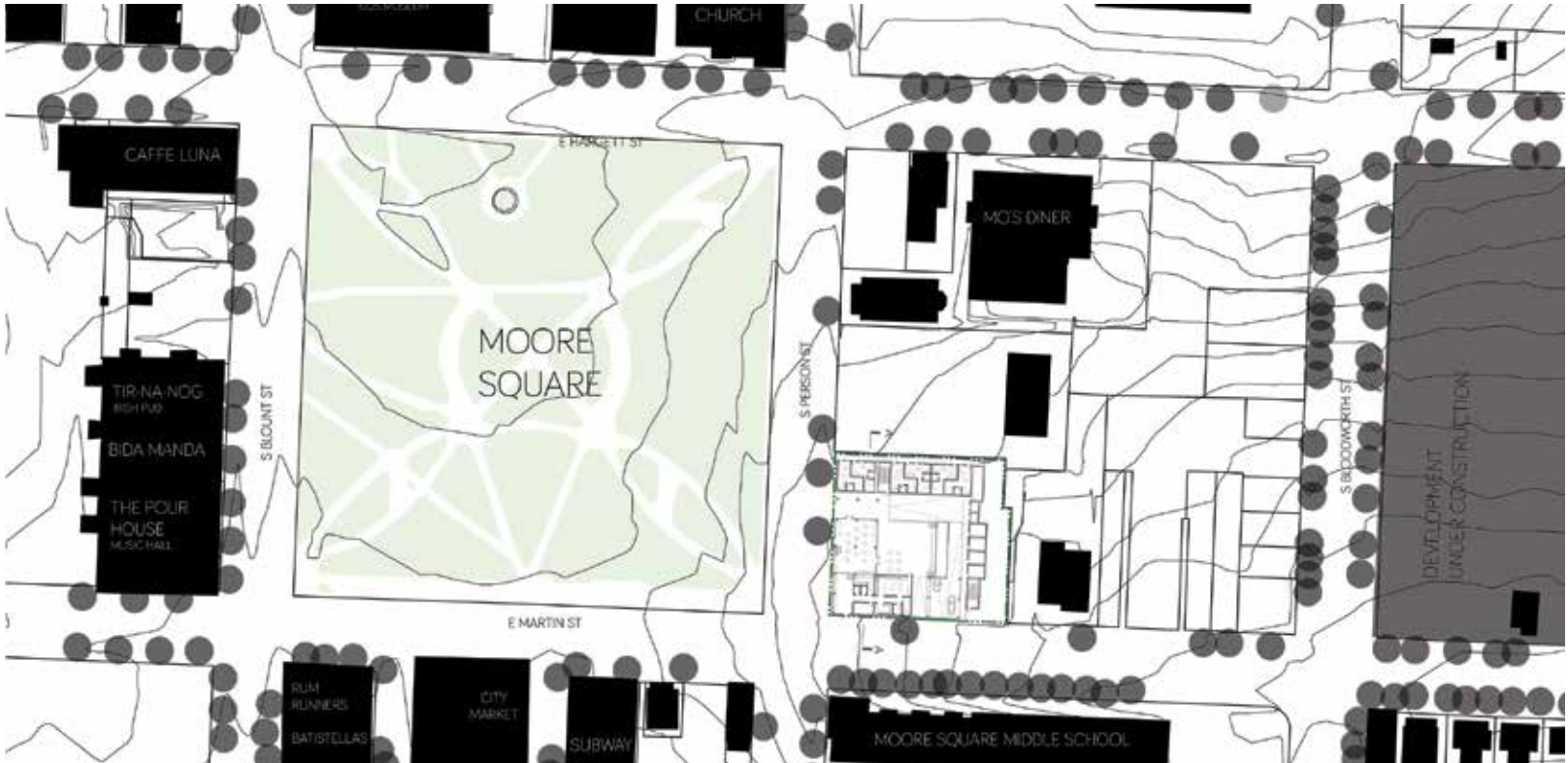


# ThunderCloud

DAVID JI

The ThunderCloud is not a retirement home. It is a destination for the few who are worth the effort are provided with the greatest experiences architecture can offer. The architecture is divided into three primary realms: The cloud, the plaza and the housing. Within the “cloud” are the physical wellness spaces (gym, spa, and pool) overlooking the thicket of aged oak trees in Moore Square Park. Above the cloud, exposed to the sun and sky are the community vegetable gardens with sweeping panoramic views of Raleigh’s skyline. Underneath the cloud, is where the thunderous music, flashing lights, and strangers may mingle with the community members in the perfor-

mance plaza and dive bar at nighttime. A square light-well pierces through the center of the cloud to define the dimensions of the glass bottom pool, automatically retractable stage rigging and boundaries of the dance hall to allowing a visual connection between the elevated community and the public realm below. The housing is modest and efficient while the community spaces are spacious and experientially grand as a means to promote social interaction within the community rather than individuals spending most of their time alone in their homes.

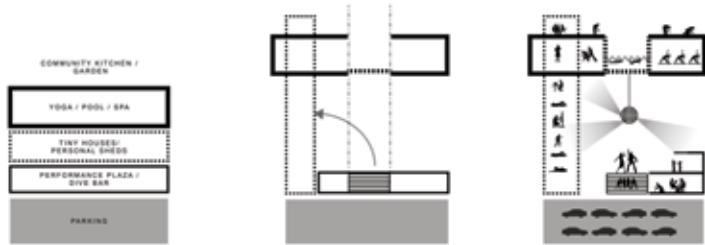


SITE PLAN

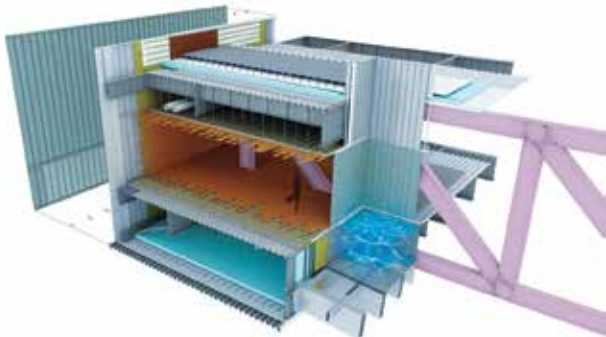


RENDERING FROM E MARTIN ST.





CONCEPT DIAGRAM



DETAILED AXONOMETRIC



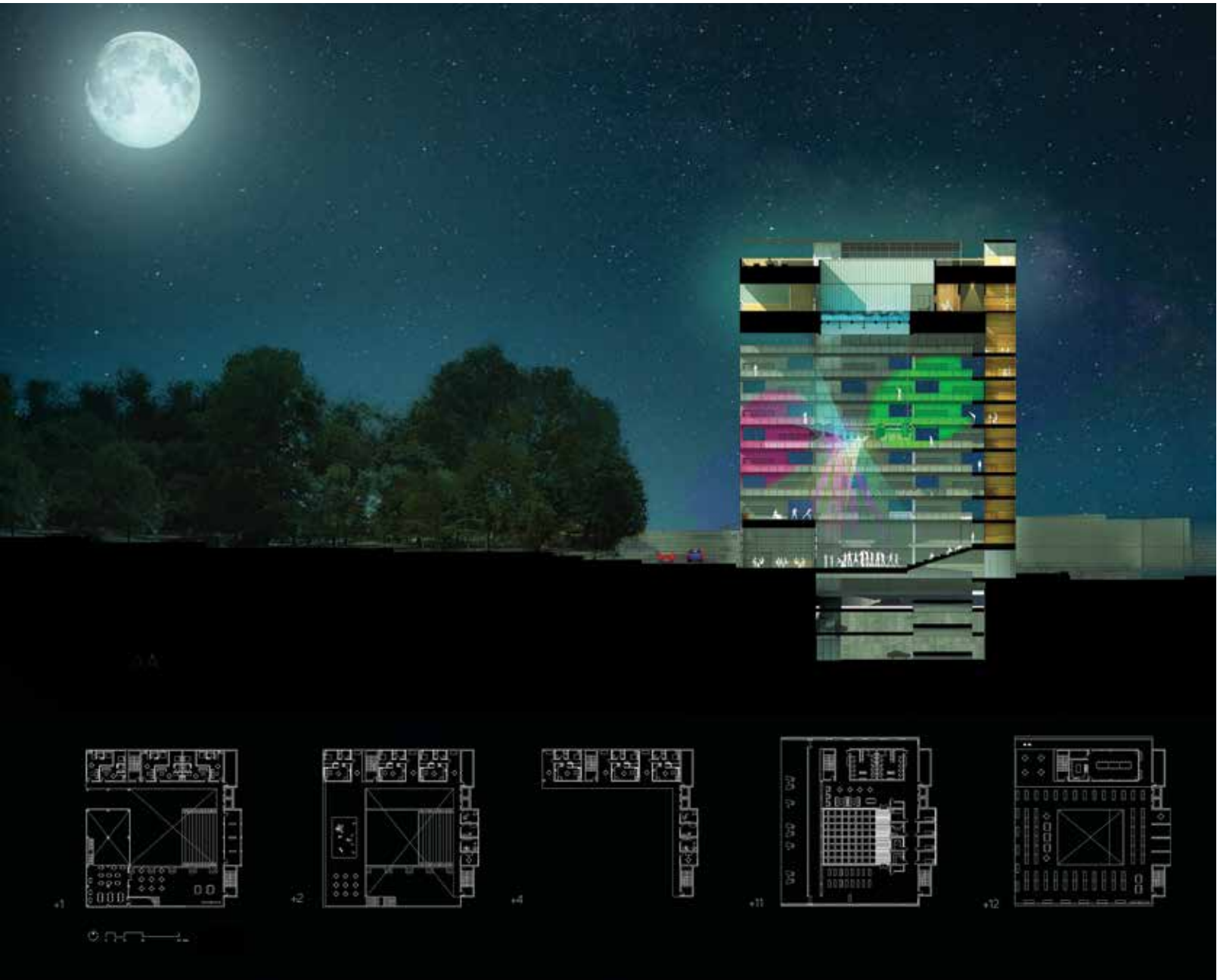
RENDERING OF PERFORMANCE PLAZA



RENDERING OF INTERIOR YOGA SPACE



RENDERING OF ROOFTOP GARDENS



SECTION + PLANS

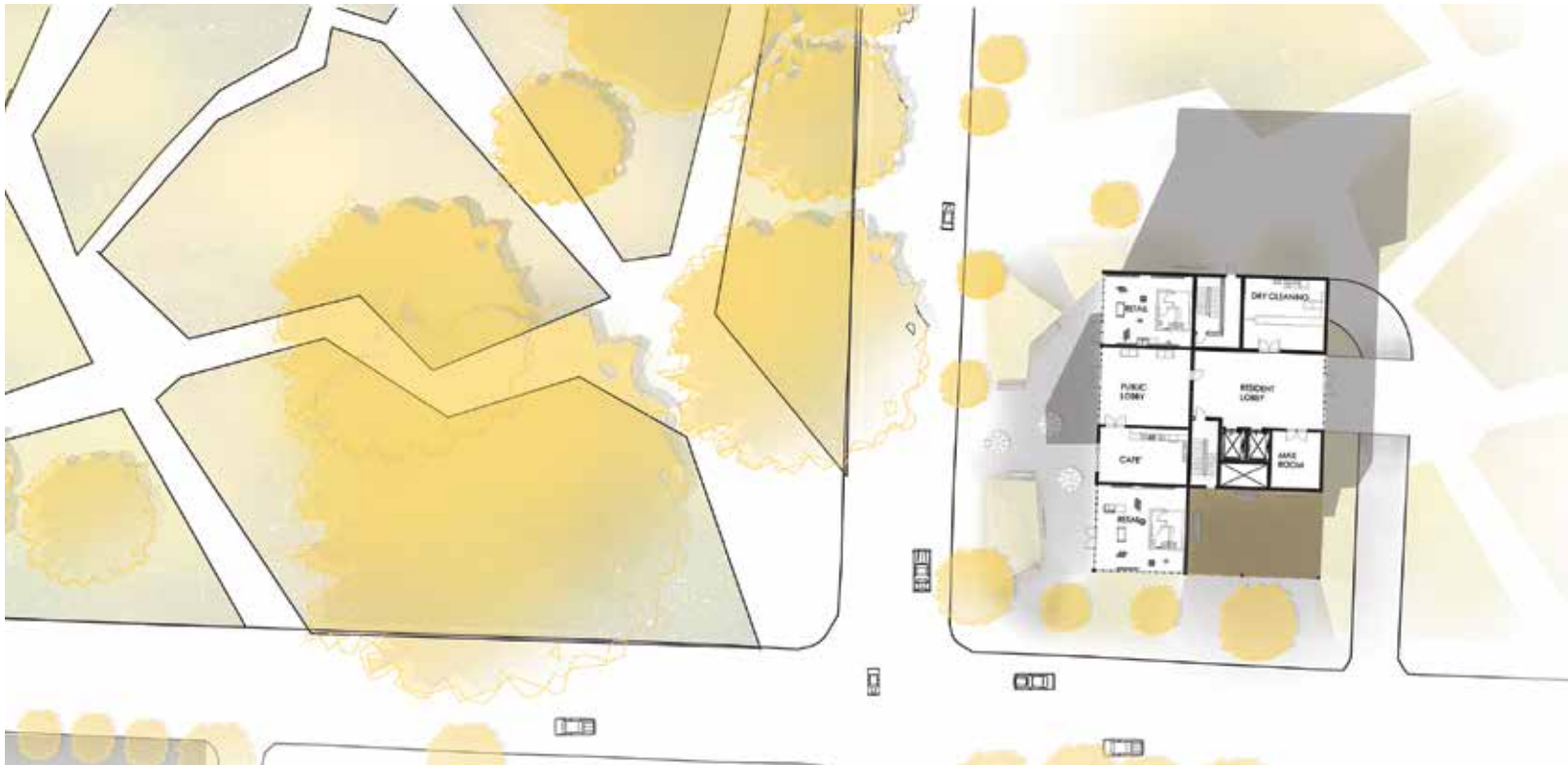


# YES: Ascend

RACHEL JORDAN

Yes: Ascend is located in downtown Raleigh, east of Moore Square, and will join other Raleigh towers in reaching new heights for the growing city. The building deliberately stacks its program by sandwiching public spaces in between tiny homes. These public spaces are carved out of the form for residents to party and hang out, but still leave space for residents to relax on their own. The building moves from public to private as you ascend. The buildings skin begins with a curtain wall system which is used on the lower public floors to accommodate retail and businesses alike that could potentially generate income for the building. On the above floors ribbons of

windows are used to maximize daylight and views but still create a layer of privacy and shade using a metal screen. The skin will begin to frame views of the city and allow for comfortable outdoor living spaces.



SITE PLAN 1/64"=1'-0



NIGHT VIEW OF ASCEND





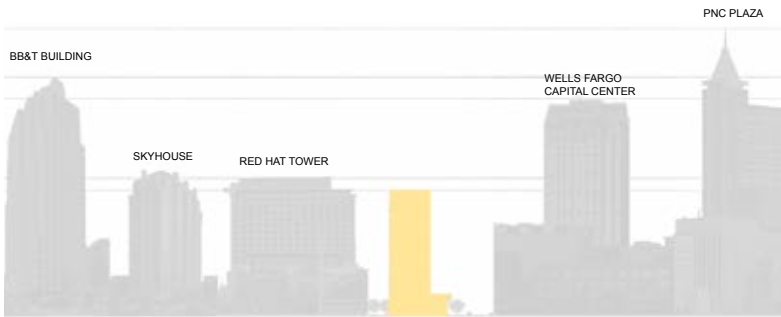
FLOOR PLANS 1/64"=1'-0



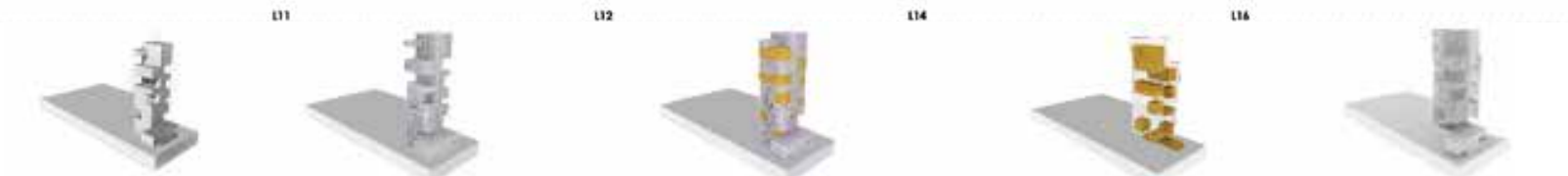
SITE MAP



SECTION AA 1/64"=1'-0



BUILDING HEIGHT DIAGRAM



FORM

PROGRAM

PROGRAM + PUBLIC SPACES

PUBLIC SPACES + SKIN

SKIN + FORM





# YES: Moore Square Towers

KELSEY LIU

Moore Squares Towers is a podium scheme with retail and Community amenities situated in the podium while the residential units and personal sheds are above. The units are pushed and pulled to create private balconies and sitting space, which maximizes the views towards Moore Square. Each floor allows for neighbor interaction as a smaller community within a community. There will be a roof top pool as well as garden space for the tenants to have an out door community area away from the public. As you travel from the ground floor up the space go from public, to Yes Community, to Residential houses, the materials correspond with the spaces and become progressively light; concrete, to translucent concrete, to metal. All the shops create

different hang out spaces that reflect different Raleigh atmospheres like the restaurants and bars on Fayetteville Street and around Moore Square. The shops and retail on the main street level allow for the window shopping and people watching were the sitting areas bleed out onto the street, while allowing the YES community entrance to be pushed back to create a little privacy. Since we don't know what buildings will be going in around Moore Square the towers are oriented towards the square. One can add additional floors to the scheme depending on where the building would be situated and the amount of tenants that would occupy the building.



SITE PLAN



FRONT WITH TRANSLUCENT CONCRETE





SECTION



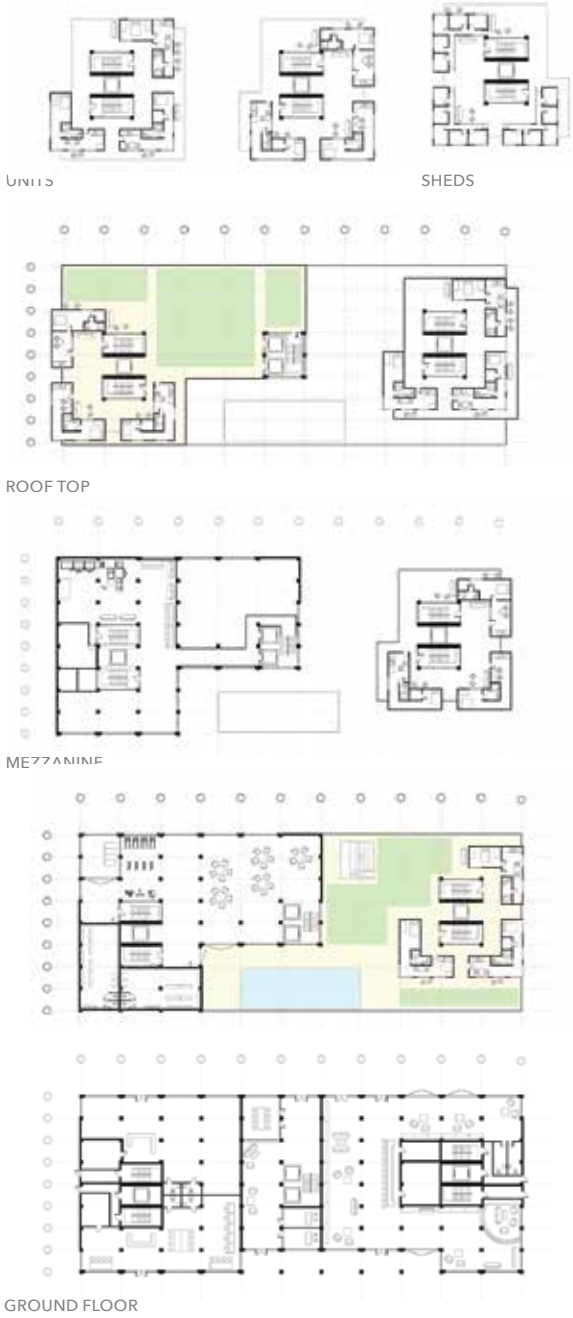
RETAIL



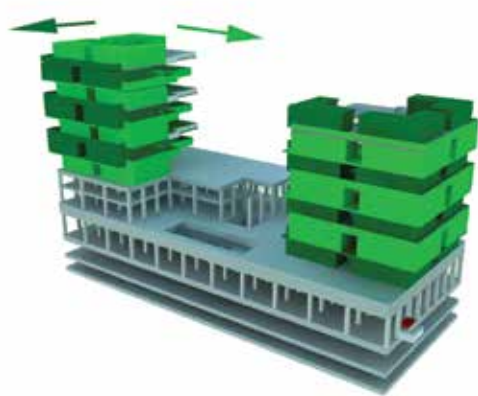
DINING



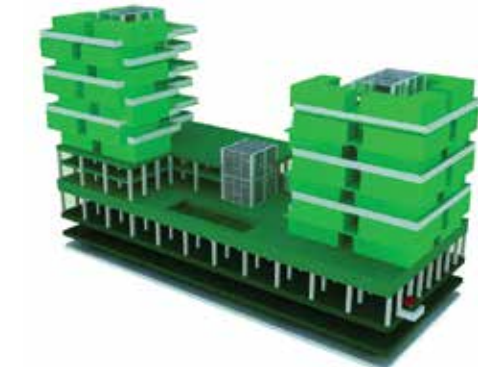
VIEW FROM BALCONY



GROUND FLOOR



UNITS PUSH & PULL DIRECTION



PUBLIC TO PRIVATE SPACES



UNIT TYPE: GUEST, STAFF, RESIDENT, SHEDS



UNIT COLUMN STRUCTURE



# YES: Elevate

SAMANTHA THIMSEN

Located in the heart of Downtown Raleigh, Yes! Active Aging Community is a dynamic living environment for any aging go-getter. Facing Moore Square, Yes! elevates a courtyard level, creating both privacy and connection, and allows an interactive and lively community to thrive. The scheme emphasizes the different needs of senior living, while simultaneously embracing

the city’s growing downtown culture, bringing its many amenities right to an active ager’s fingertips.



SITE PLAN



COURTYARD





ELEVATIONS



PLANS



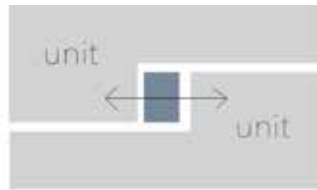
KITCHEN



LOFT APARTMENTS



STREET VIEW

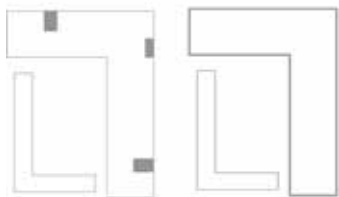


circulation



geometry

parti



circulation

hierarchy

DIAGRAMS



SECTION







# EXTRAS **FINAL PRESENTATIONS**

YES: An Urban Exhibit	90
Fluidity	92
Urban Village	94
The Youth	96
ThunderCloud	98
YES: Ascend	100
Kanopy	102
YES: Moore Square Towers	104
Revitalize	106
Highground	108
Flow	110
Boardwalk: Connected Community Living	112
Redwoods	114
The Green	116
Moore Square Artist Community	118
Project C	119
YES! Pulse	120
Uplift	121
YES: Elevate	122





**YES: An Urban Exhibit** Arsalan Abbasi

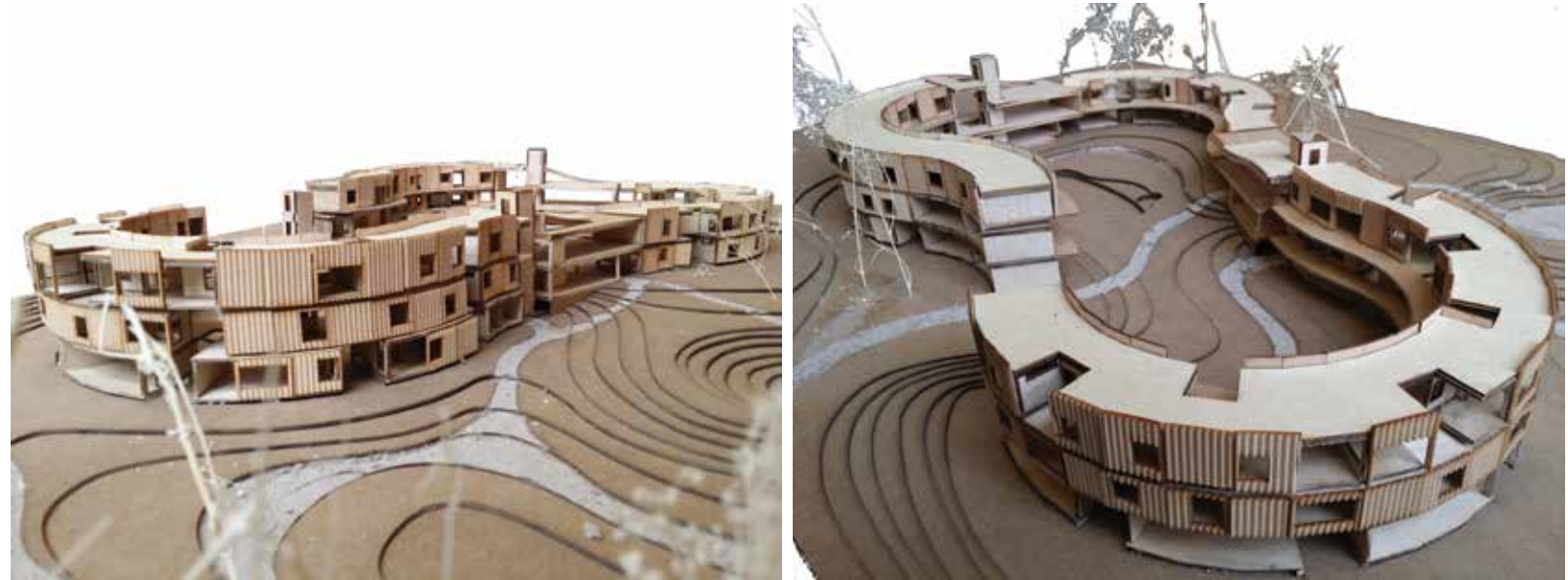


**YES: An Urban Exhibit** Arsalan Abbasi





Fluidity Alex Backeris



Fluidity Alex Backeris

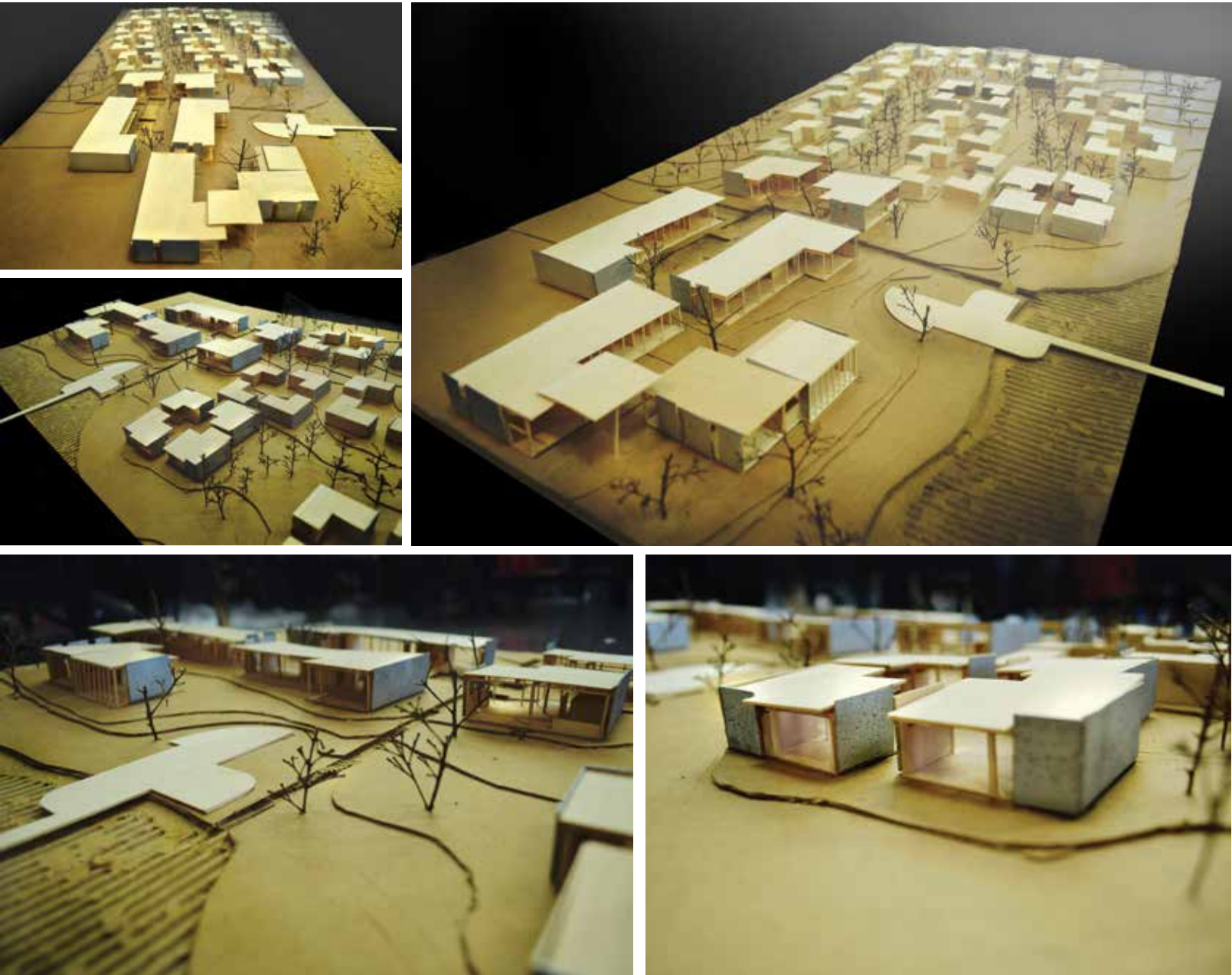








The Youth Eli Gutierrez

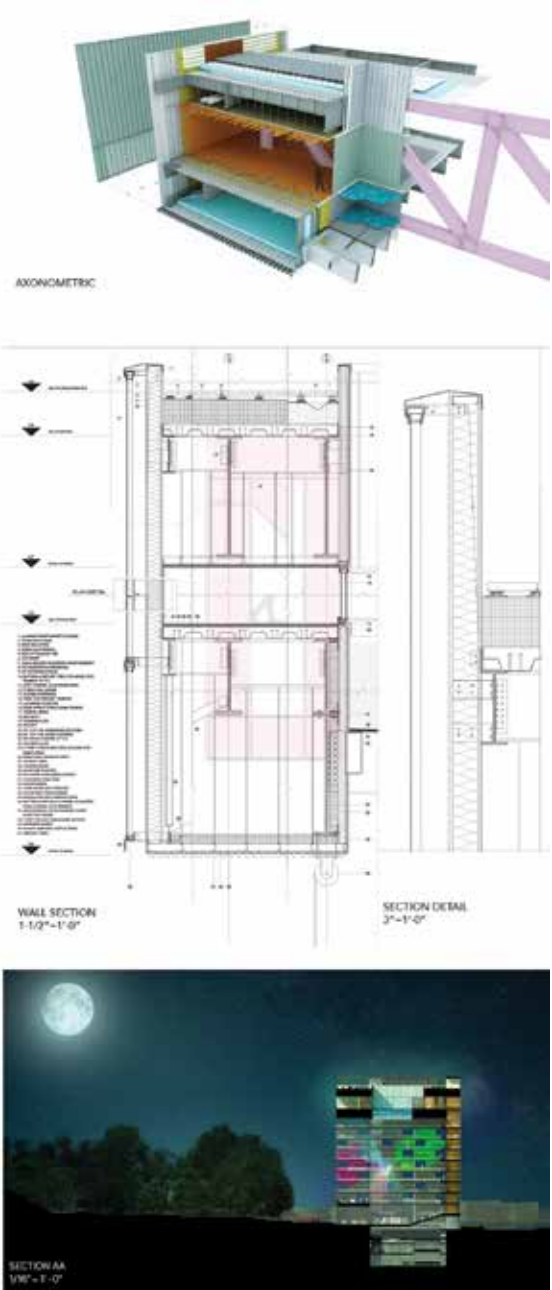


The Youth Eli Gutierrez





ThunderCloud David Ji



ThunderCloud David Ji





YES: Ascend Rachel Jordan

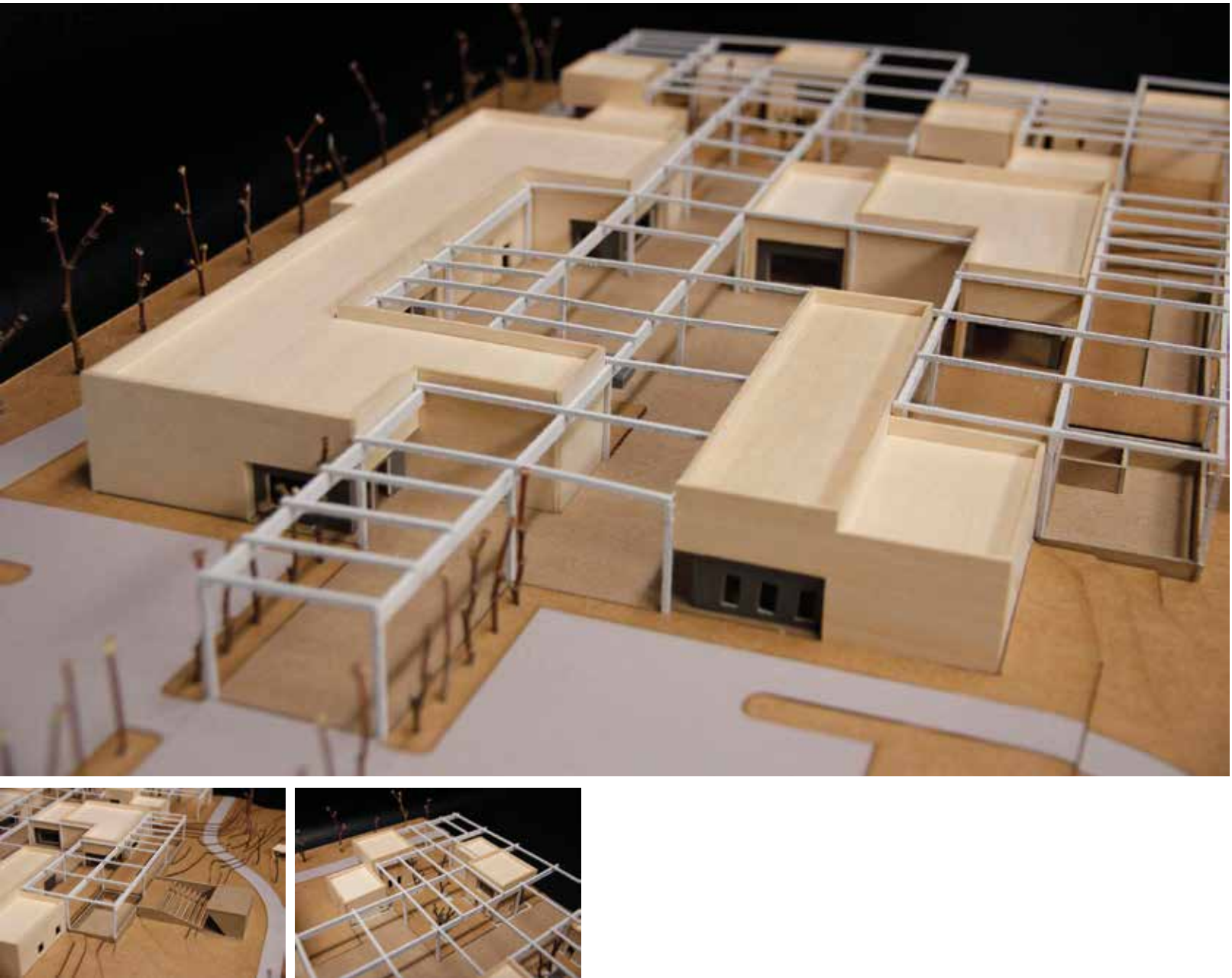


YES: Ascend Rachel Jordan



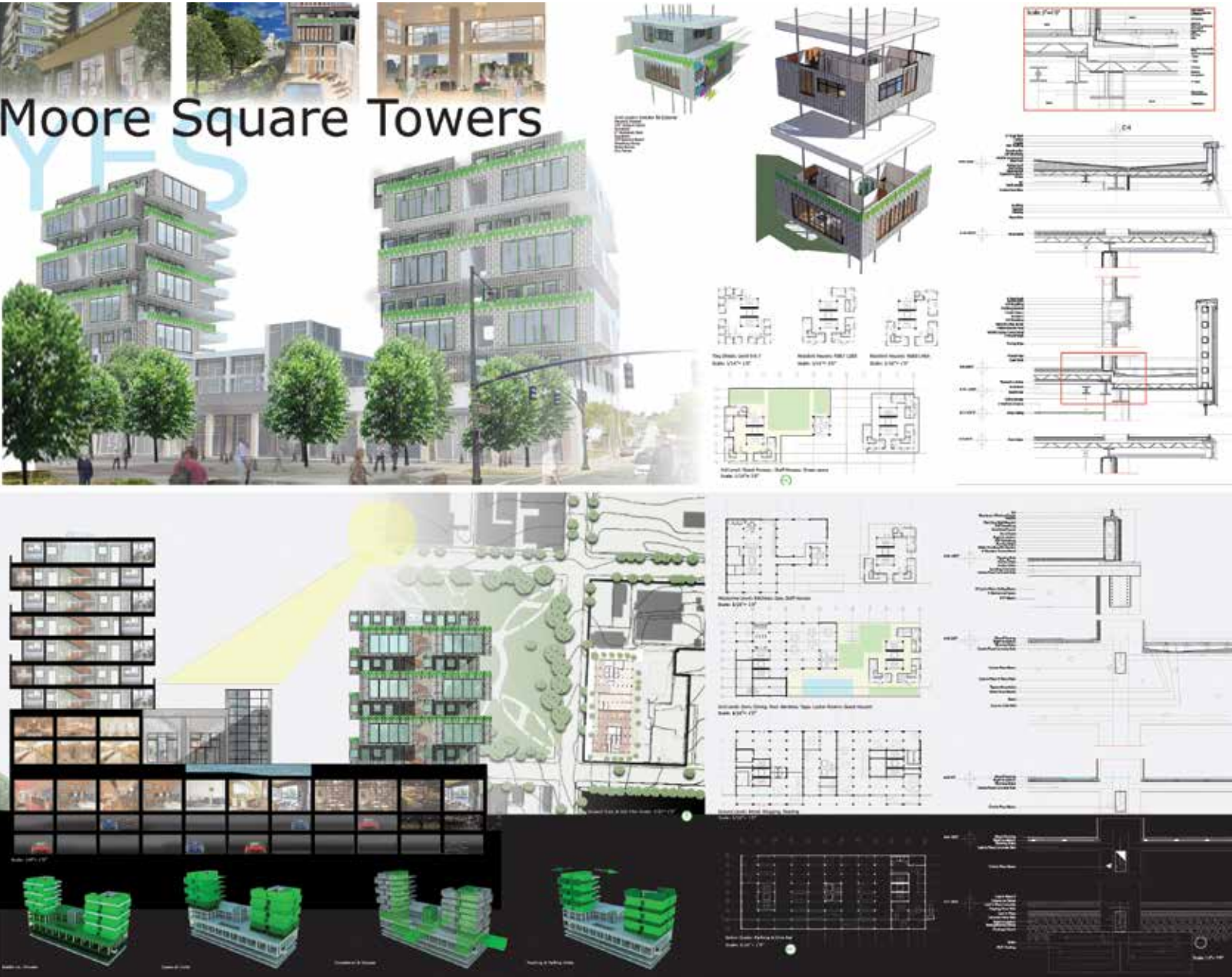


Kanopy Mason Lehman

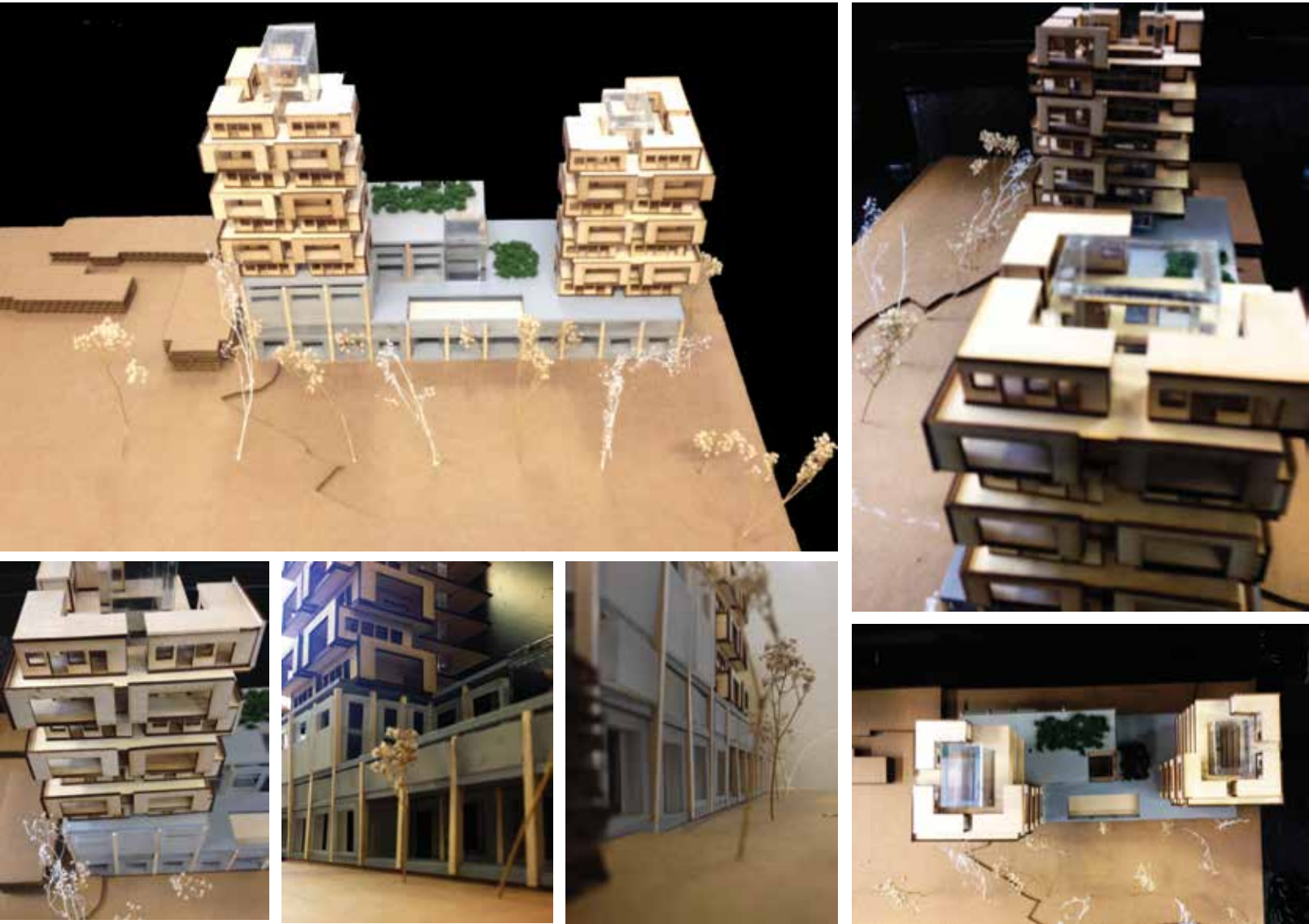


Kanopy Mason Lehman





YES: Moore Square Towers Kelsey Liu

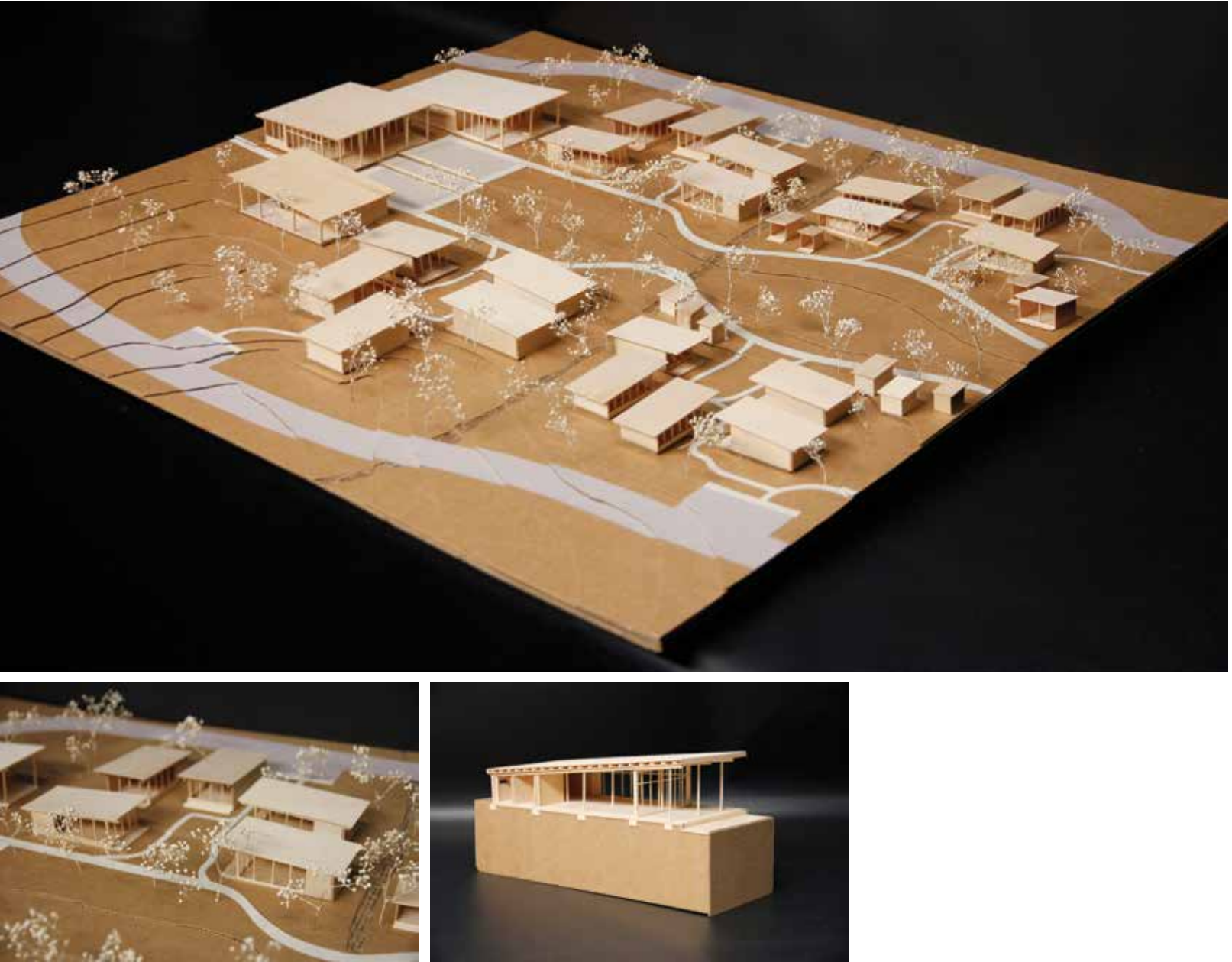


YES: Moore Square Towers Kelsey Liu





Revitalize Jenna Pye



Revitalize Jenna Pye





Highground Andrew Shields



Highground Andrew Shields





Flow Amanda Tan



Flow Amanda Tan





Boardwalk: Connected Community Living Jackson Wall



Boardwalk: Connected Community Living Jackson Wall





Redwoods Ryan Whitley

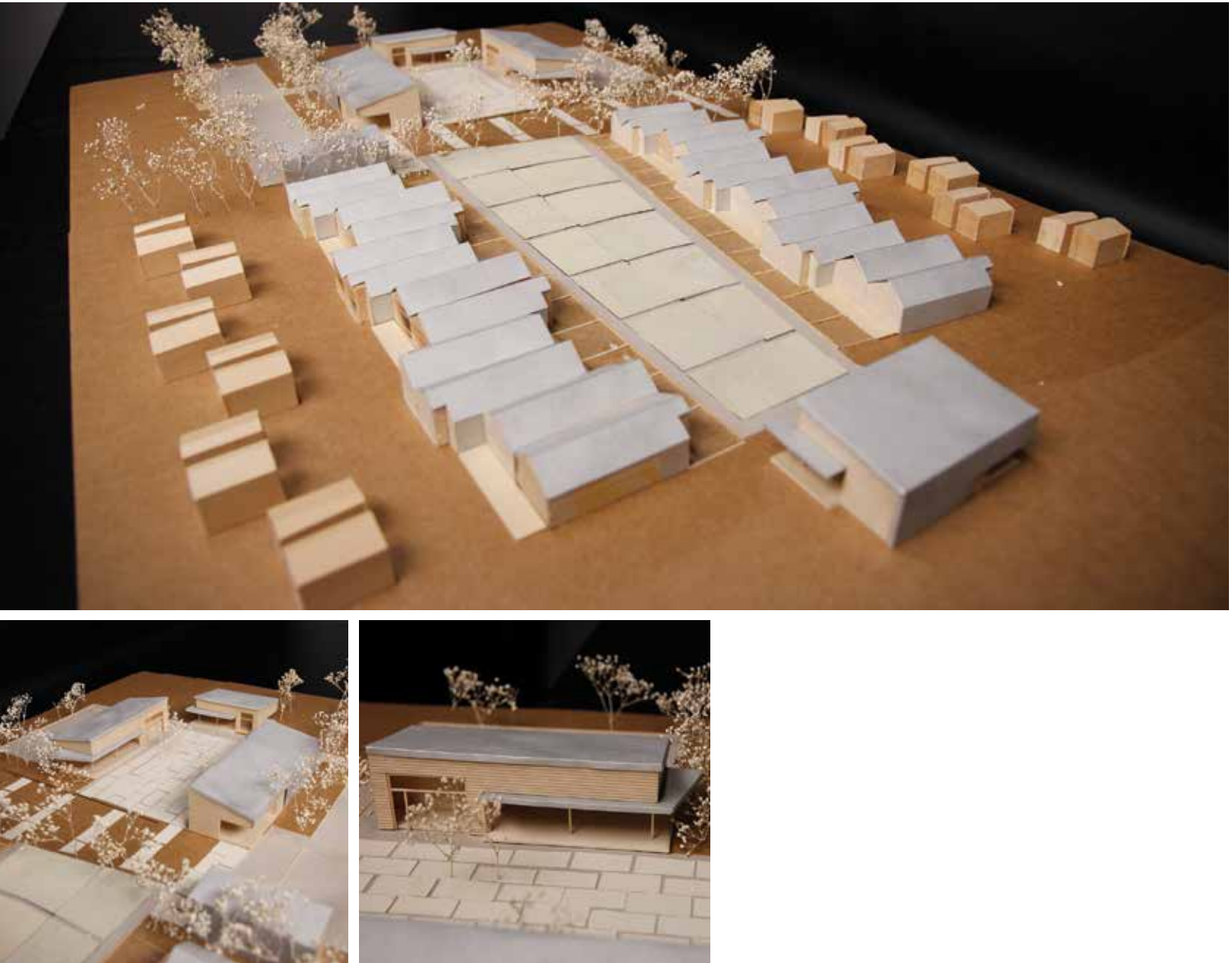


Redwoods Ryan Whitley





The Green Kira Fallon

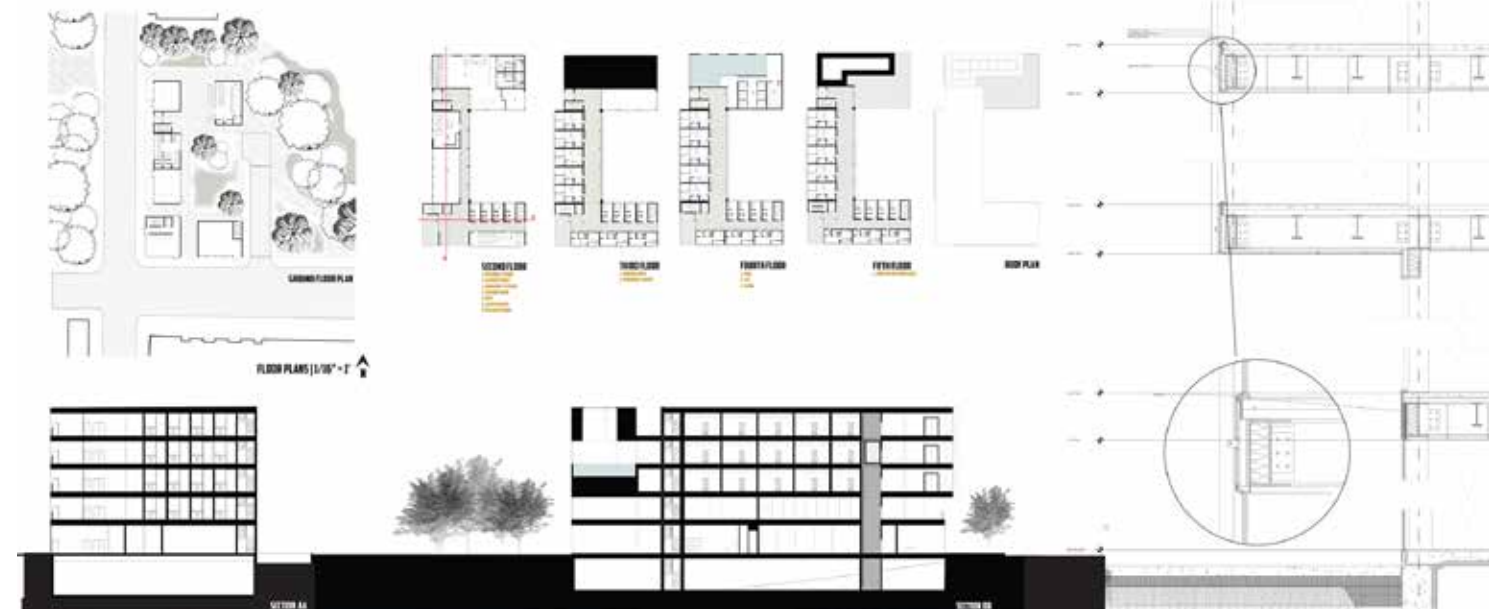


The Green Kira Fallon





Moore Square Artist Community Andrew Dippel



Project C Victor Galloway





SITE PLAN - 1/8" = 1'-0"



DIAGRAMS

LEGEND



WF 1 - 1/8" = 1'-0"



PULSE

ACTIVE ADULT COMMUNITY



AXON

LEGEND



BLDG 2 - 1/8" = 1'-0"



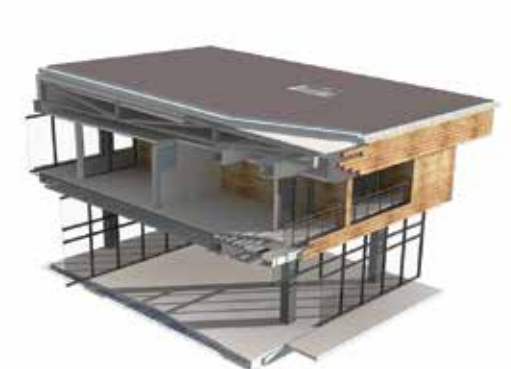
WF 2 - 1/8" = 1'-0"



ELEVATION 2 - BLDG 1



ELEVATION 2 - BLDG 1



AXON

LEGEND



PLAN DETAIL - 1 1/2" = 1'-0"



DETAIL - 1 1/2" = 1'-0"



WALL SECTION - 1 1/2" = 1'-0"



WALL SECTION - 1 1/2" = 1'-0"



WALL SECTION - 1 1/2" = 1'-0"



UPLIFT

an active aging community

an active aging community



an active aging community



an active aging community



an active aging community



an active aging community



an active aging community



an active aging community



an active aging community



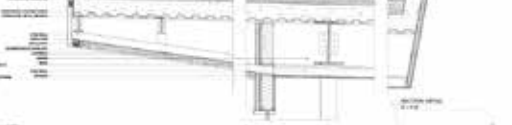
an active aging community



an active aging community



an active aging community



an active aging community



an active aging community

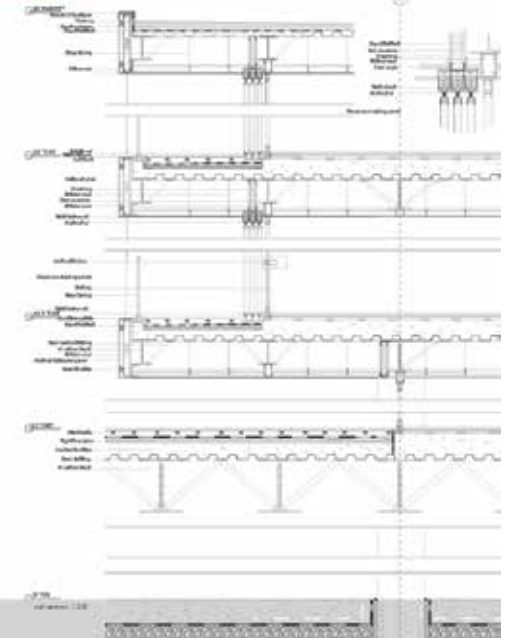


an active aging community

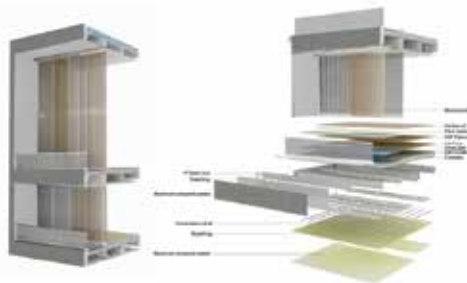




elevate  
YES



Located in the heart of Downtown Raleigh, the new high-rise community is a striking blend of modern design and historic charm. The building's design is inspired by the surrounding urban context, featuring a mix of materials and colors that create a sense of continuity with the neighborhood. The building's design is also inspired by the surrounding urban context, featuring a mix of materials and colors that create a sense of continuity with the neighborhood.



YES: Elevate Samantha Thimsen



# EXTRAS TINY HOUSE DESIGNS

Balance	124
Cape Lookout	125
Home	126
Leikela Residence	127
Melodic Vacation House	128
New Horizons	129
Polygon Pavilion	130
PxH House	131
Ribbon House	132
Ridgelet	133
[SHELL] ter	134
Traverse House	135
Zombie Pod	136



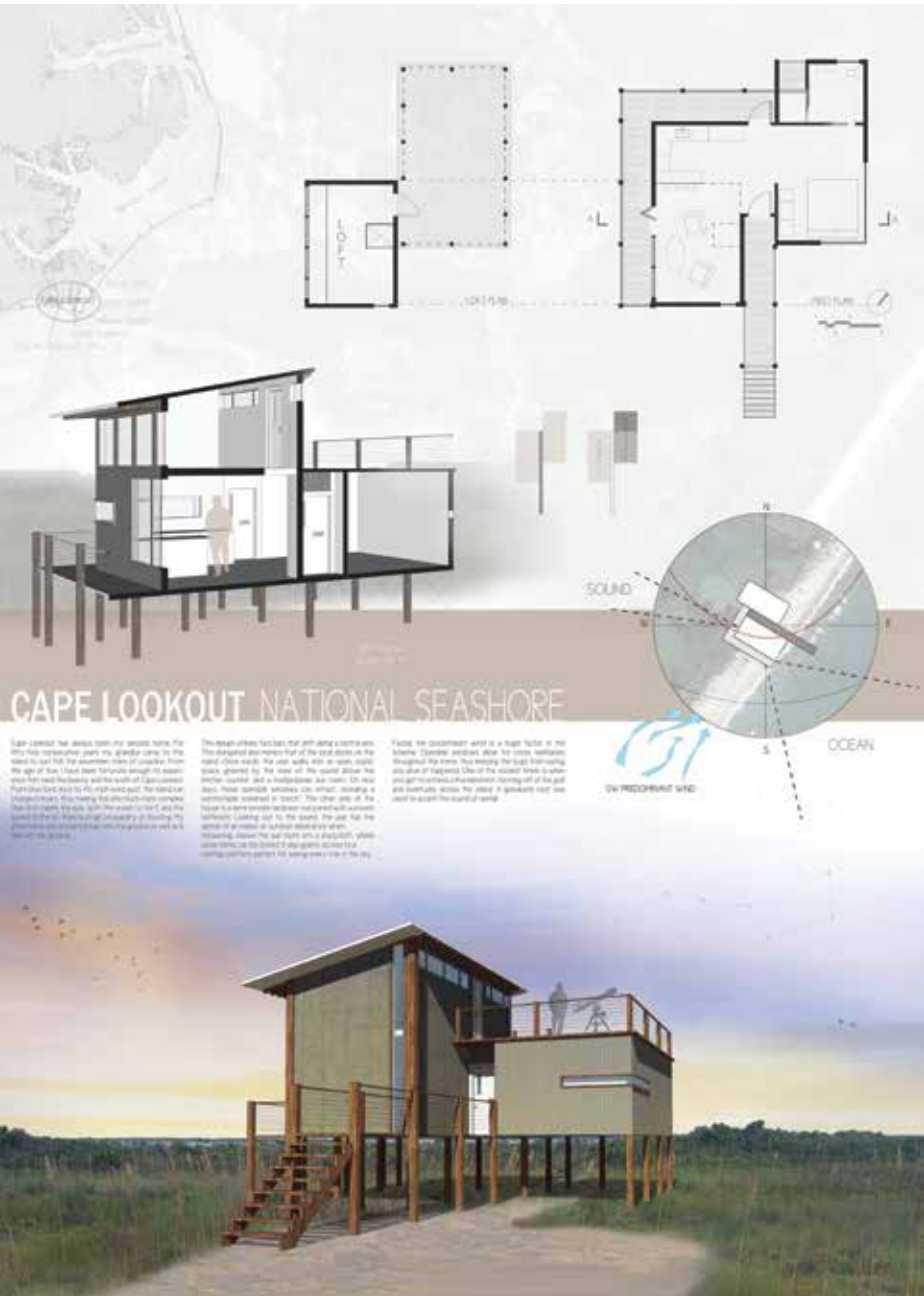


### Balance

Stacy Goodman & Elizabeth Gutierrez

### Cape Lookout

Ryan Whitley







# Home

Samantha Thimsen



# Leikela Residence

Rachel Jordan





**Melodic Vacation House**  
Jackson Wall

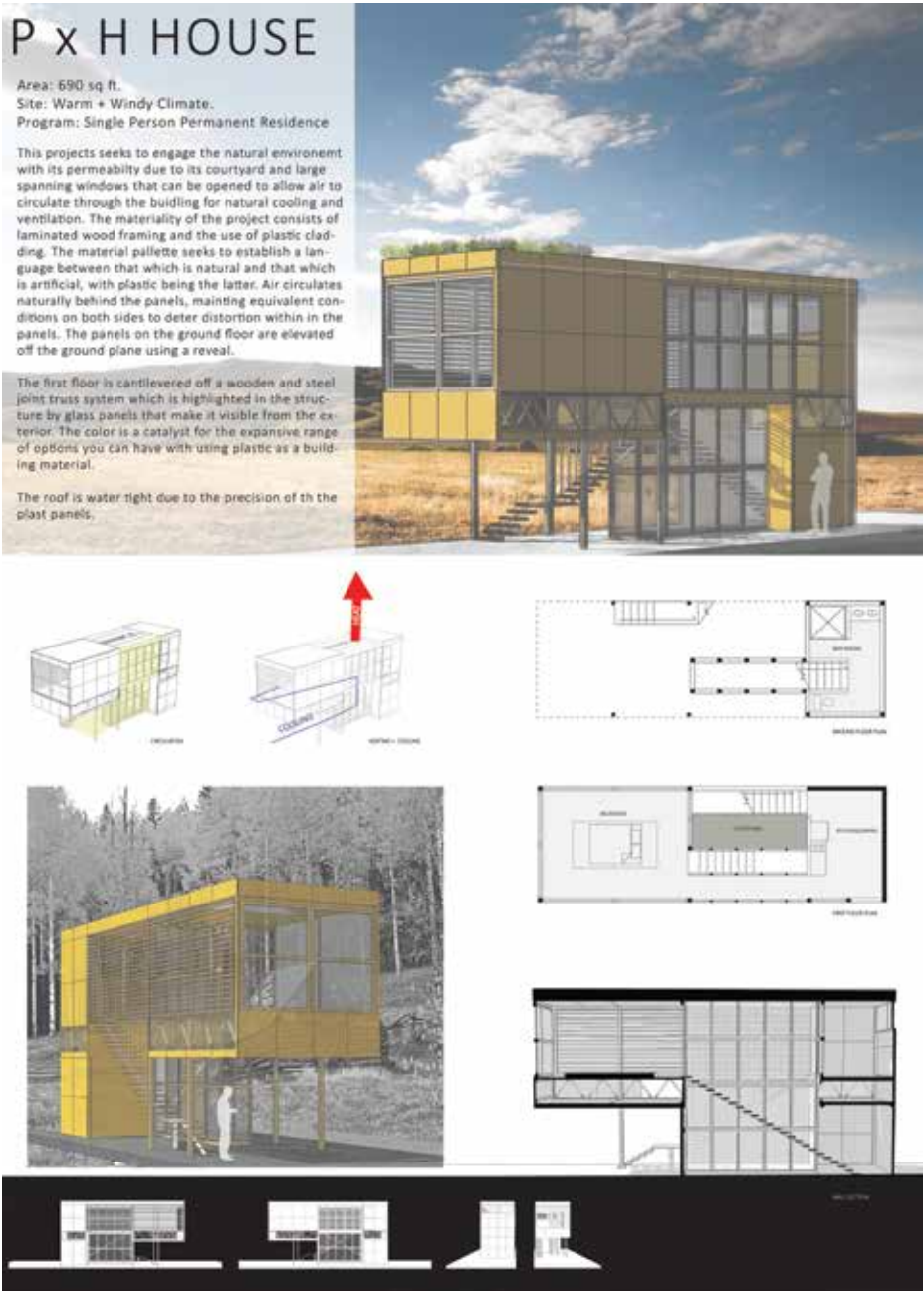


**New Horizons**  
Alex Backeris & Taurian Hankins-Smith





Polygon Pavilion  
Kelsey Liu & Jenna Pye



PxH House  
Victor Galloway



# RIBBON HOUSE



## Ribbon House

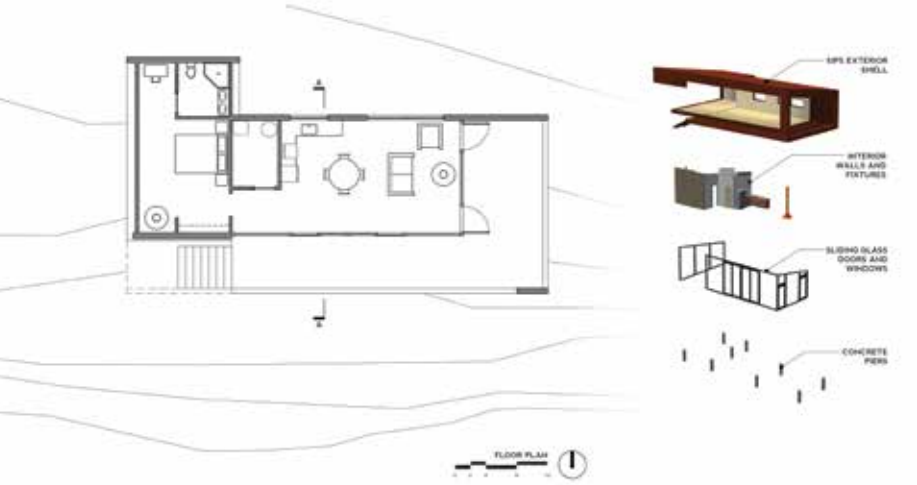
Arsalan Abbasi & David Ji



## Ridgelet

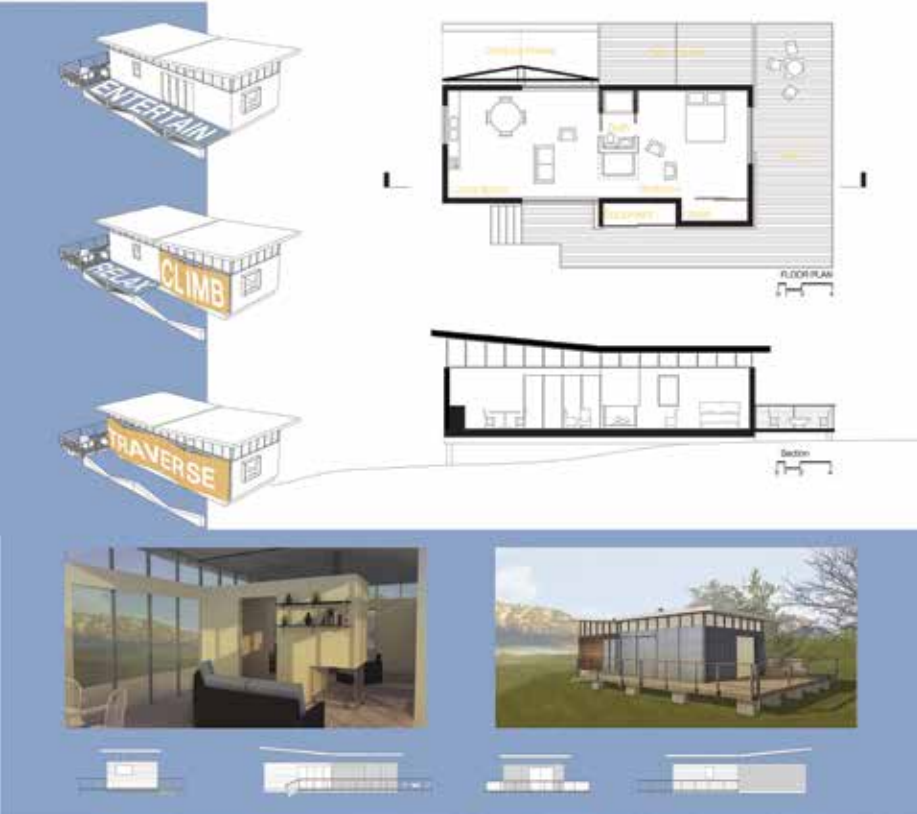
Amanda Tan





[SHELL] ter

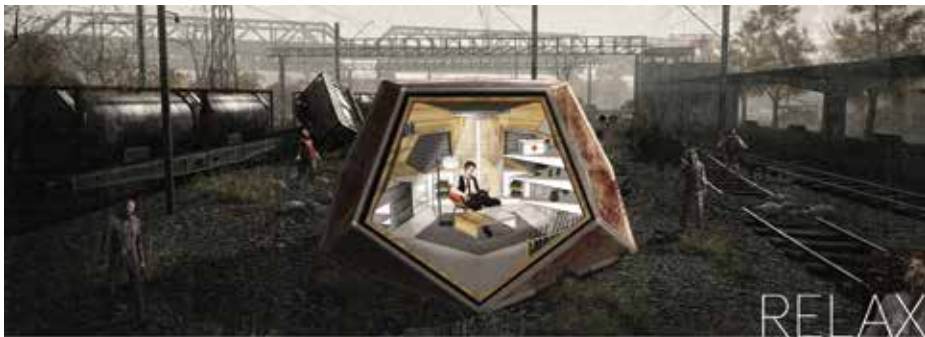
Kira Fallon & Mason Lehman



Traverse House

Andrew Dippel & Katie Johnson





## Zombie Pod

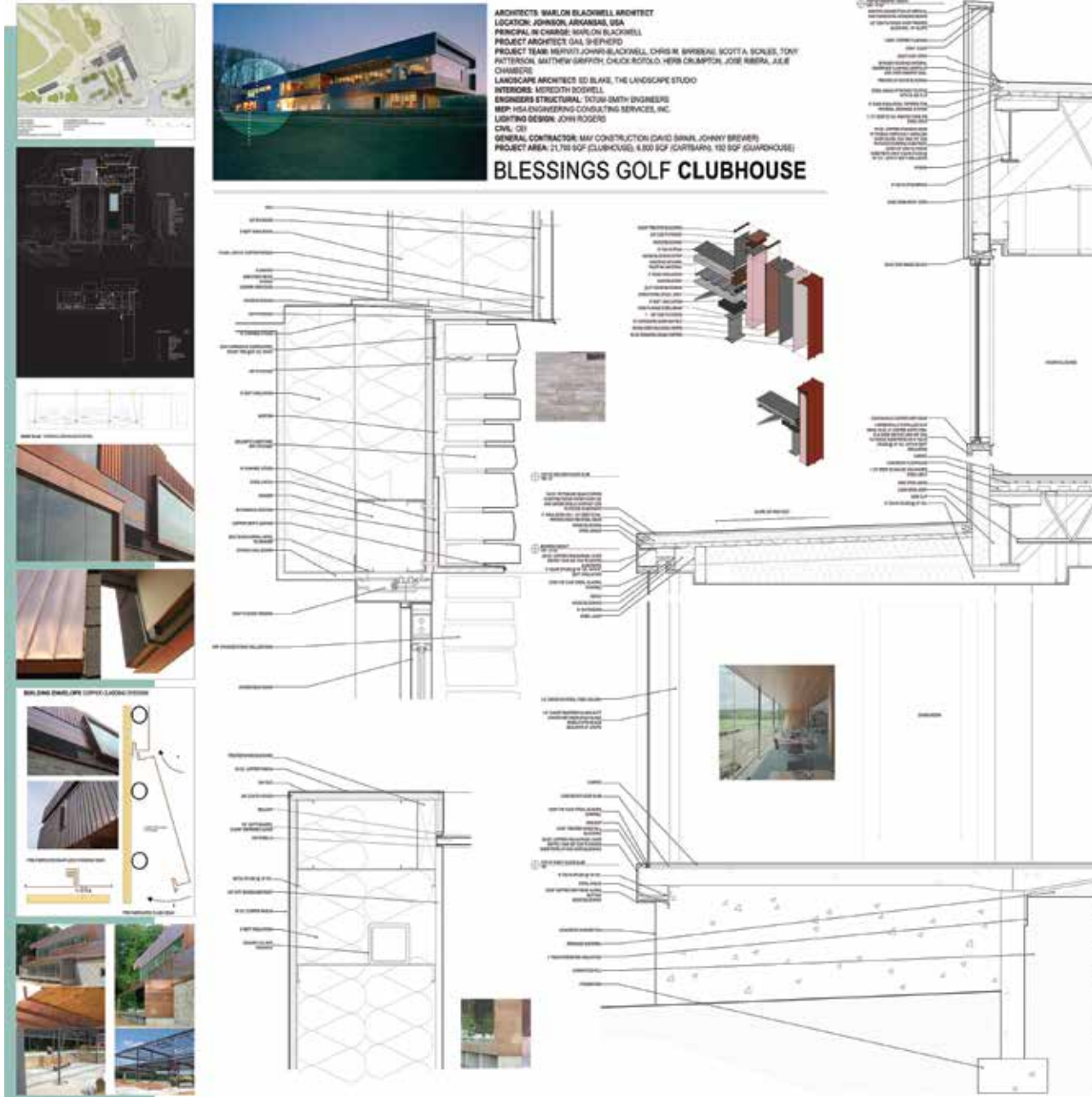
Andrew Shields



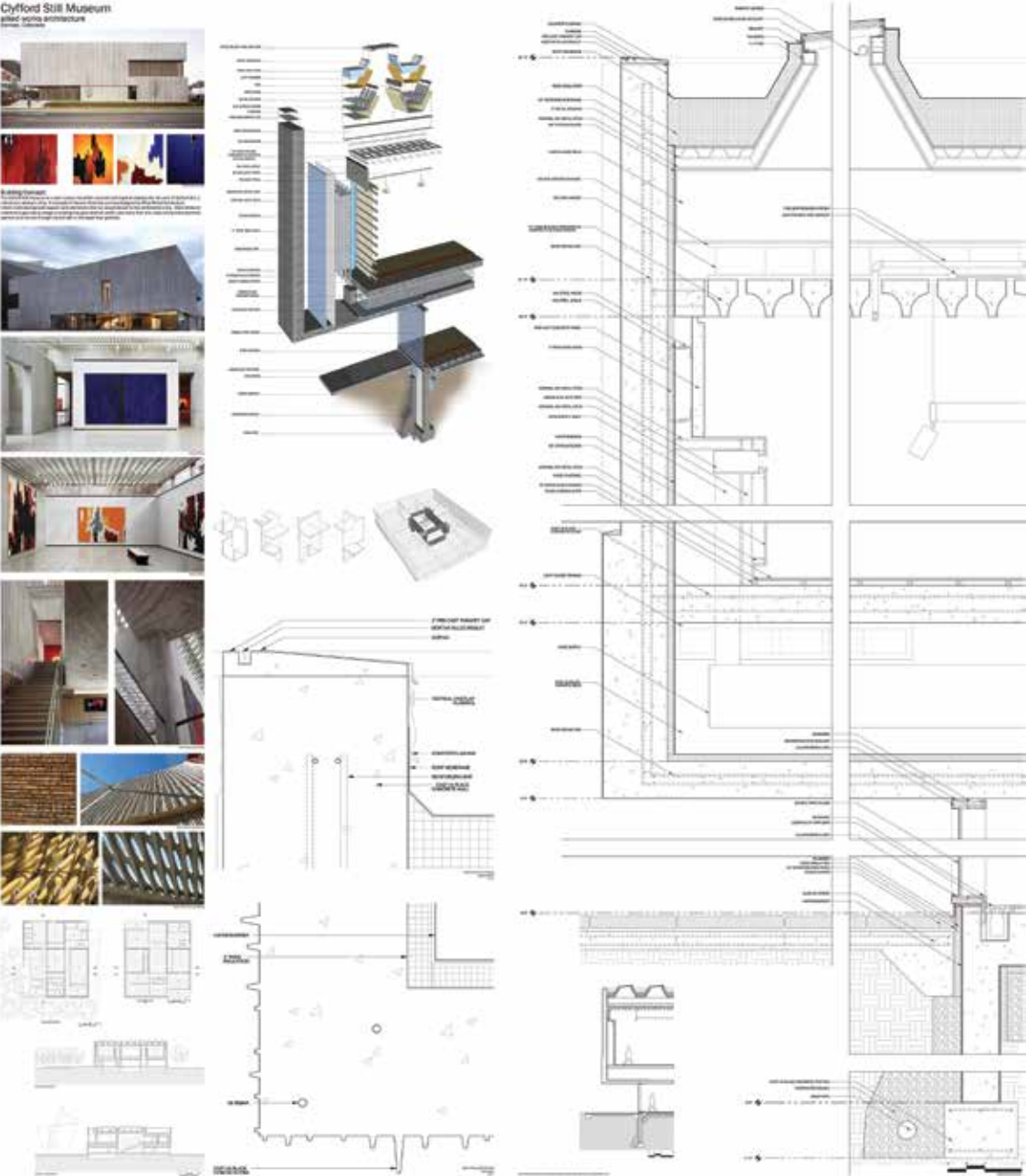
# PRECEDENT **WALL SECTION**

Blessings Golf Clubhouse	138
Clyfford Still Museum	139
Kursaal	140
Poetry Foundation	141
Ring House	142
St. Benedict Chapel	143
Viken Housing	144
Dee & Charles Wyly Theatre	145

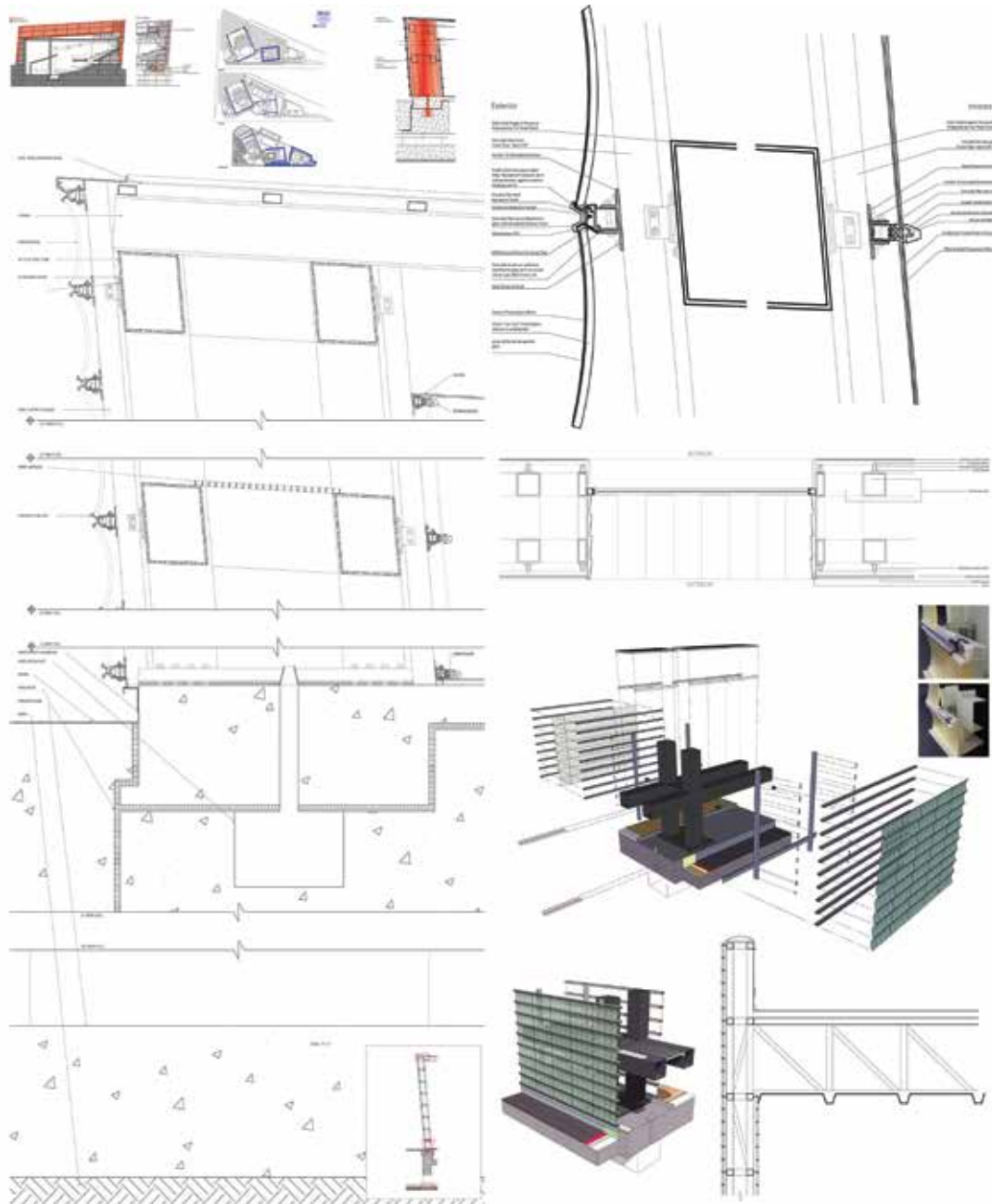




**Blessings Golf Clubhouse**  
 Elizabeth Gutierrez,  
 Mahta Nzi  
 & Luke Newsome





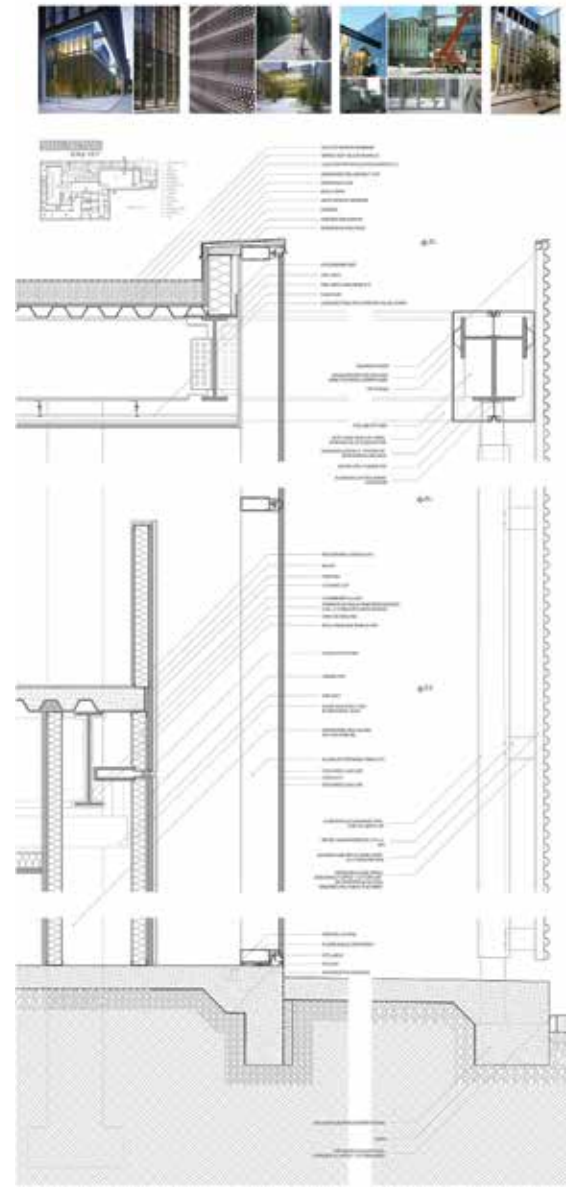


### Kursaal

Andrés Barrero, Victor Galloway  
& Kelsey Liu

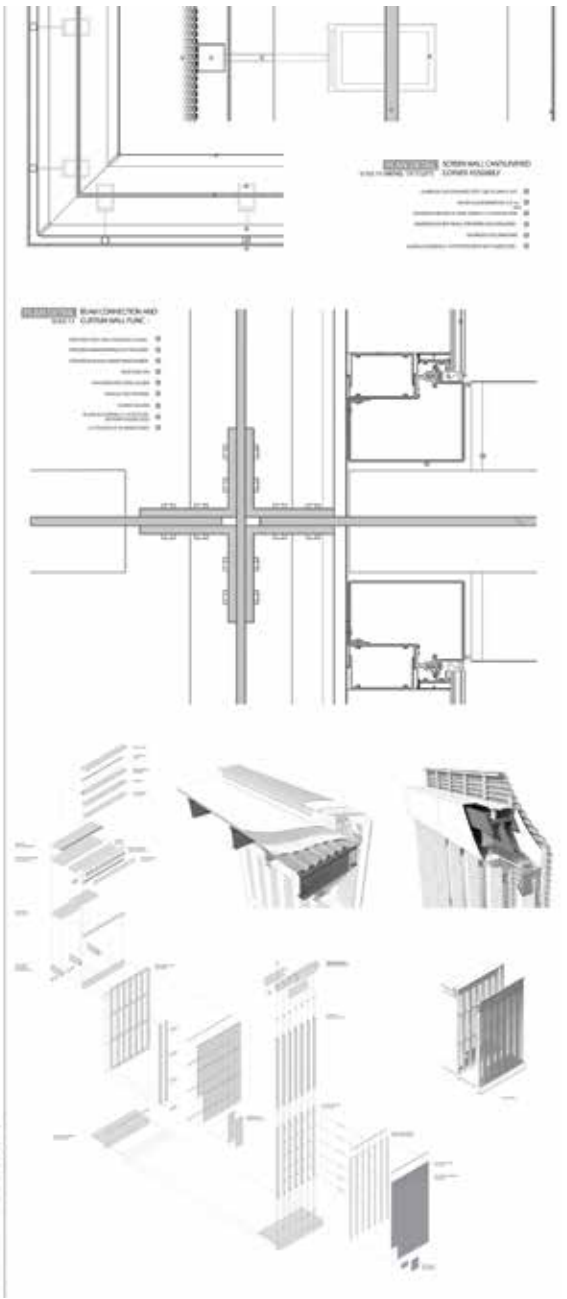
### POETRY FOUNDATION

JOHN HENAN ARCHITECTS | CHICAGO, ILLINOIS | BUILT: 2011 | 22,000 SQ. FT. | \$10.2 MILLION

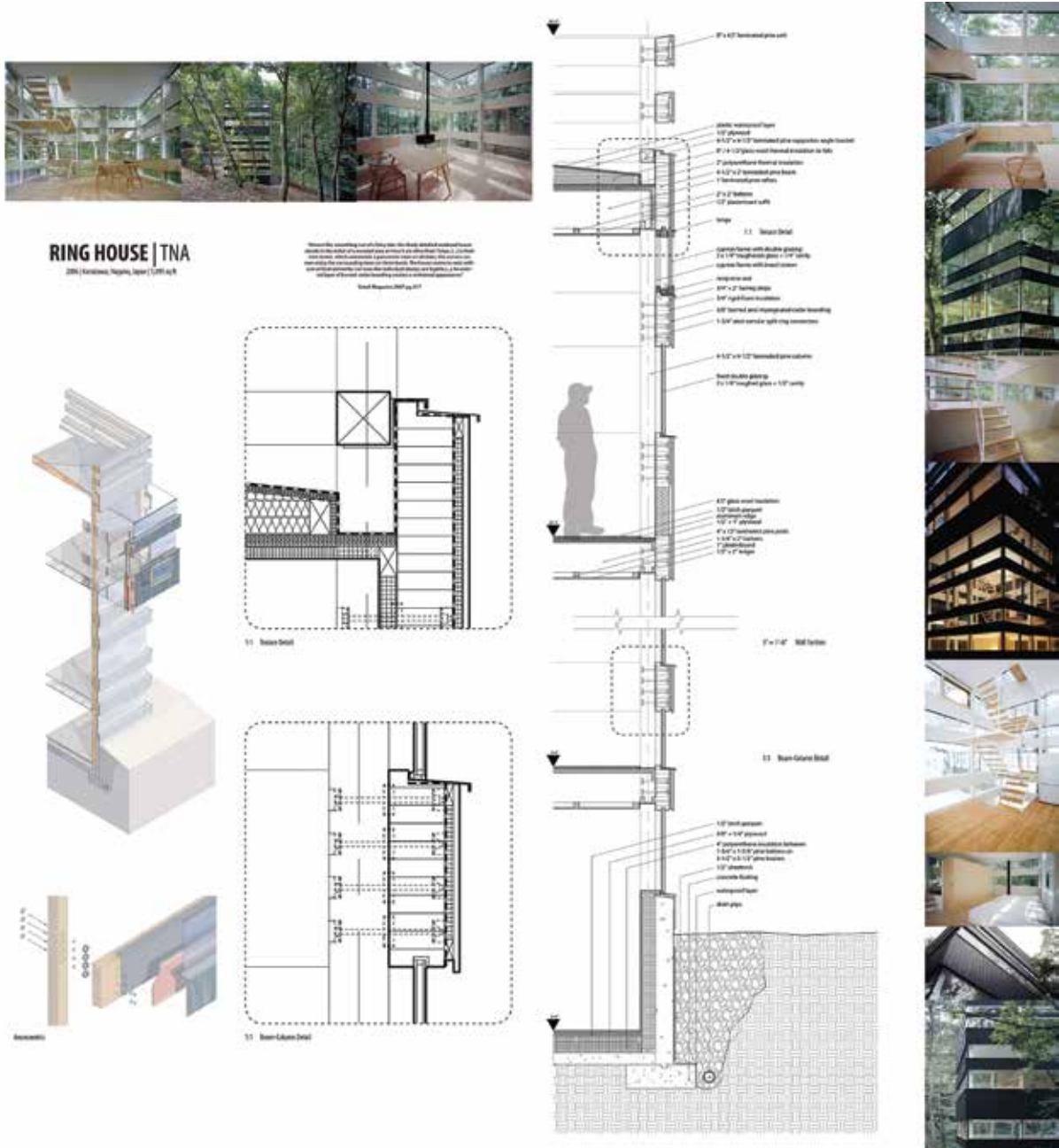


### Poetry Foundation

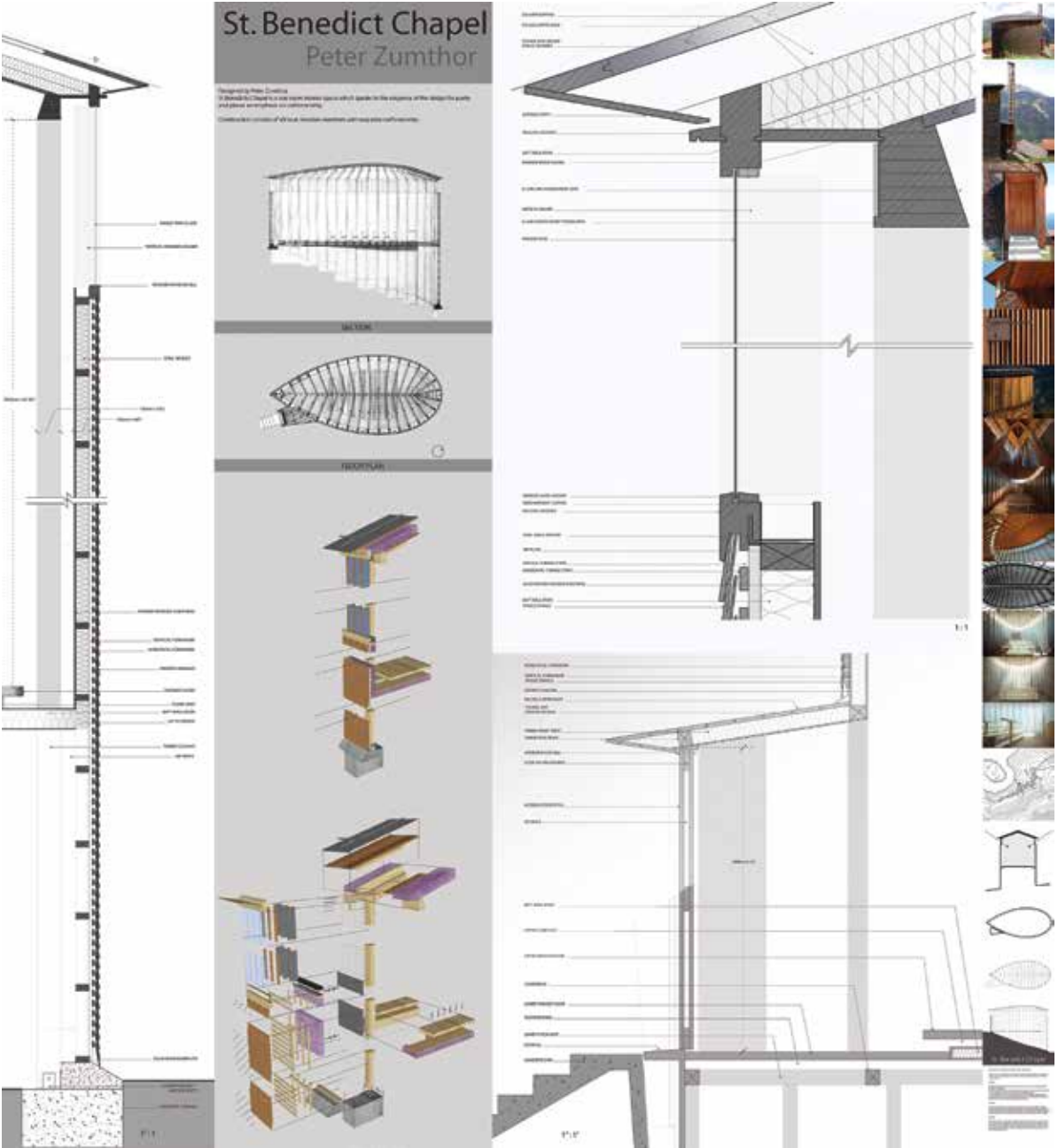
Arsalan Abbasi, Will Sendor  
& Matt Teti







**Ring House**  
Alex Backeris, David Ji  
& Taurian Hankins-Smith



**St. Benedict Chapel**  
Andrew Shields,  
Jackson Wall & Grant Wylie











# PRECEDENT **TINY HOUSE**

Arado weeHouse	148
Box House	149
Delta Shelter	150
Domestic Transformer	151
False Bay Writer's Cabin	152
Keenan Tower House	153
Lo Barnechea	154
LV Series	155
MicroGreen House	156
Pixel House	157
Porch House	158
Rolling Huts	159
Seth Peterson Cottage	160
S-Line	161
Stacked Cabin	162
HyBrid Architecture	163
Uncle Fred's Hut	164
Whangapoua Sled House	165
Wisconsin Cabin	166

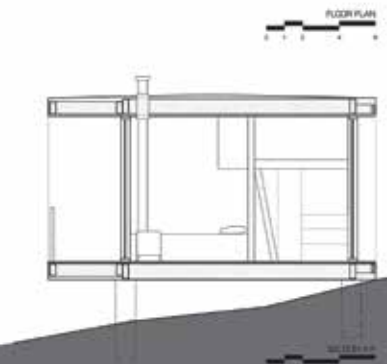
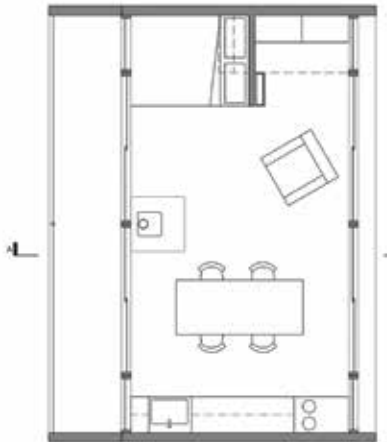




## ARADO weeHOUSE

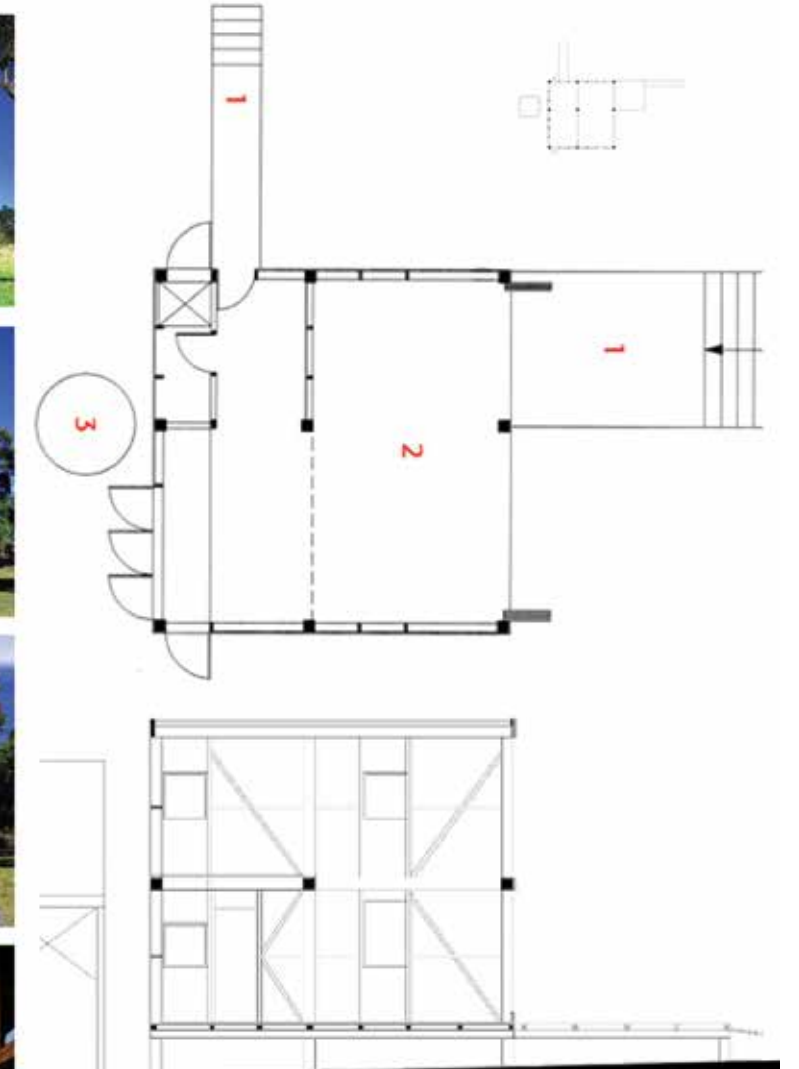
Alchemy Architects ▪ Pepin, Wisconsin  
336 SF ▪ \$60,000 ▪ November 2003

The Arado weehouse was designed as a simple retreat for an orchestra violinist and her family. The client had spent the majority of her budget on the site, but wanted a small yet accommodating house. To stay within budget and build a high quality house, Alchemy decided to build the house off site and transport it to the site by truck to be oriented into place. Cementitious siding with oxidizing paint covers the structural steel and wood frame. The interior wall, ceiling, and floors are wrapped with Douglas fir, while the two long walls are full height sliding glass doors and windows that provide views to the Wisconsin plains. The living space and fireplace separate the sleeping quarters from the kitchen.



### Arado weeHouse

Mason Lehman



The house aims to be a combination of the modern and the traditional — not about being whimsical or about taking pleasure in the making of the house, the making of the house, the making of the house — much like the house.

- 310 acres near Farmington, NH
- 20 ft x 20 ft x 20 ft
- 400 sq ft
- Budget: \$10,000 - \$
- Located in the north
- 20 ft x 20 ft
- Used for 1/20th of the cost of its other side, with aligned timber framing internally.
- Materials are collected on the roof, using 3 types of the same, and stored in a 750 gallon tank connected to an outdoor tank.

## BOX HOUSE

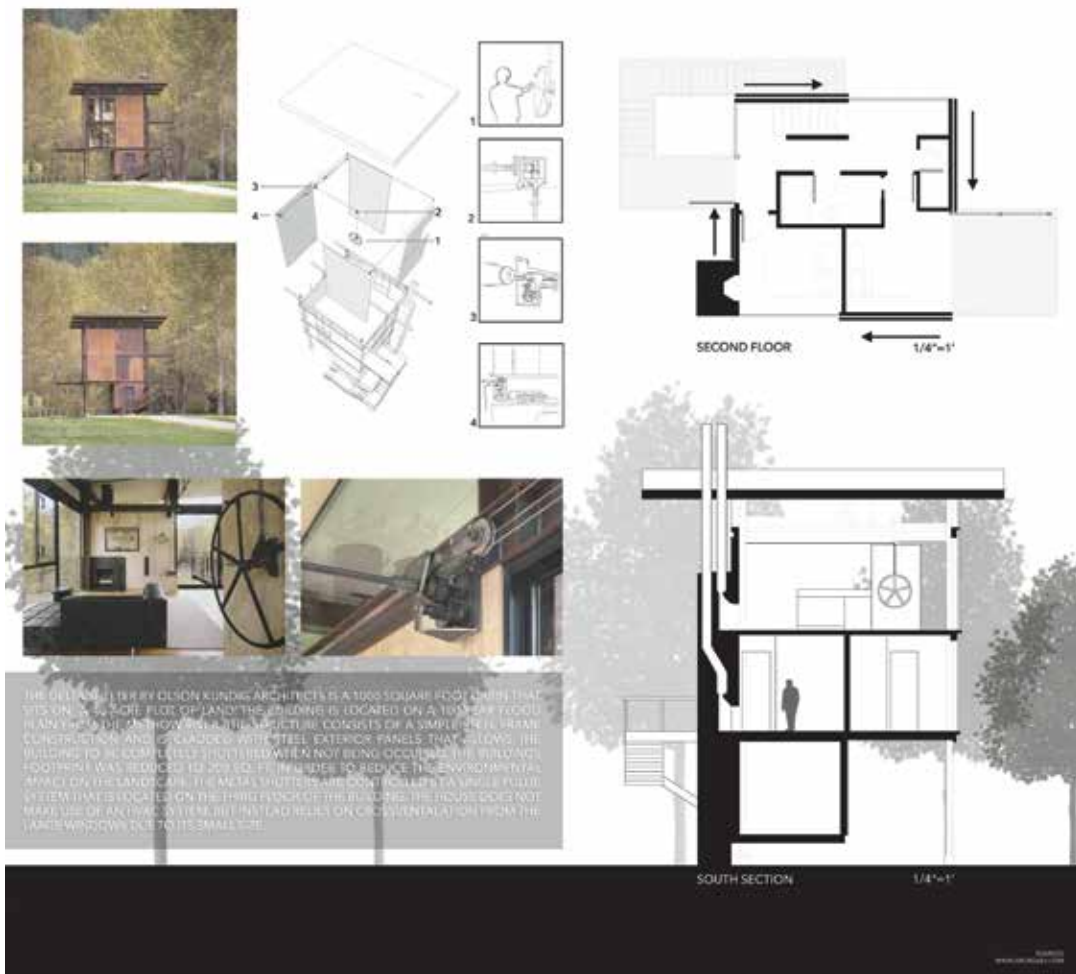
by nicholas murcutt

### Box House

Elizabeth Gutierrez



# DELTA SHELTER



**Delta Shelter**  
Andrew Dippel



# Domestic Transformer

Alex Backeris

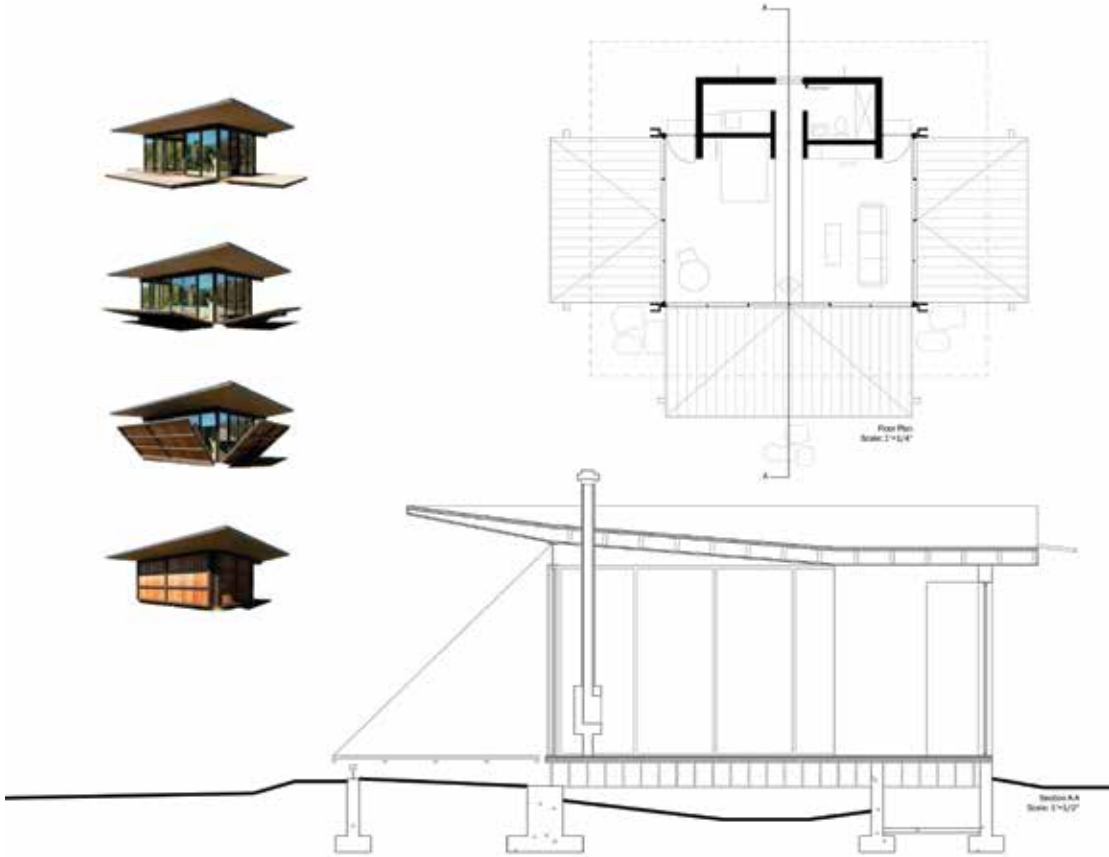


# False Bay Writer's Cabin

## Olson Kundig Architects

San Juan Islands, WA | 500sq/ft | 2009

The False Bay Writer's Cabin designed by Olson Kundig Architects serves as a private writers retreat and a guest cabin. The clients wanted a cabin where they could feel completely connected to nature. Their desire was to take advantage of the mild climate, scenic views, and proximity to wildlife that the site allowed. The cabin has three walls of glass, where each panel reaches up to ten feet tall allowing for optimal views. Because the cabin is only used occasionally, it needs to be closed up regularly. The architects designed porches that also acted as shutters. A hydraulic pump brings the porches up to the windows, closing the entire cabin off when the visitors leave. Finally, a rotating fireplace at the south end of the cabin allows the owner to use the fire place both inside and outside.

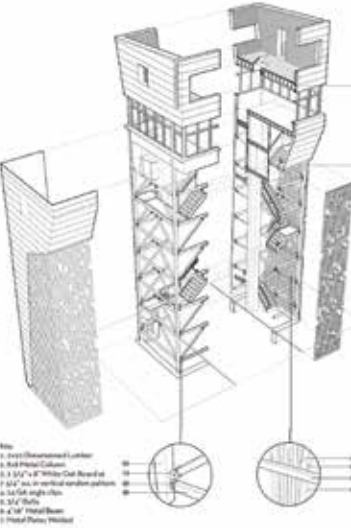
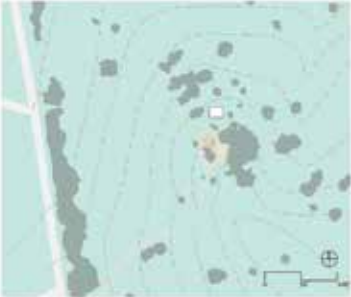


False Bay Writer's Cabin  
Kira Fallon

# KEENAN TOWER HOUSE

## MARLON BLACKWELL

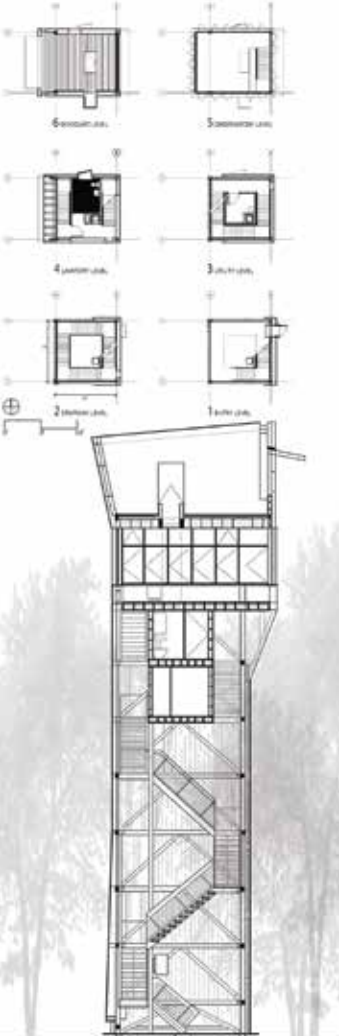
2570 Old Missouri Rd., Fayetteville, Arkansas 72702  
Built: 2000



Source: [www.marlonblackwell.com](http://www.marlonblackwell.com)  
 Photo: [www.marlonblackwell.com](http://www.marlonblackwell.com)  
 Photo: [www.marlonblackwell.com](http://www.marlonblackwell.com)  
 Photo: [www.marlonblackwell.com](http://www.marlonblackwell.com)



1-bedroom  
1-bath  
21,015 Cubic feet  
560 Heated square feet

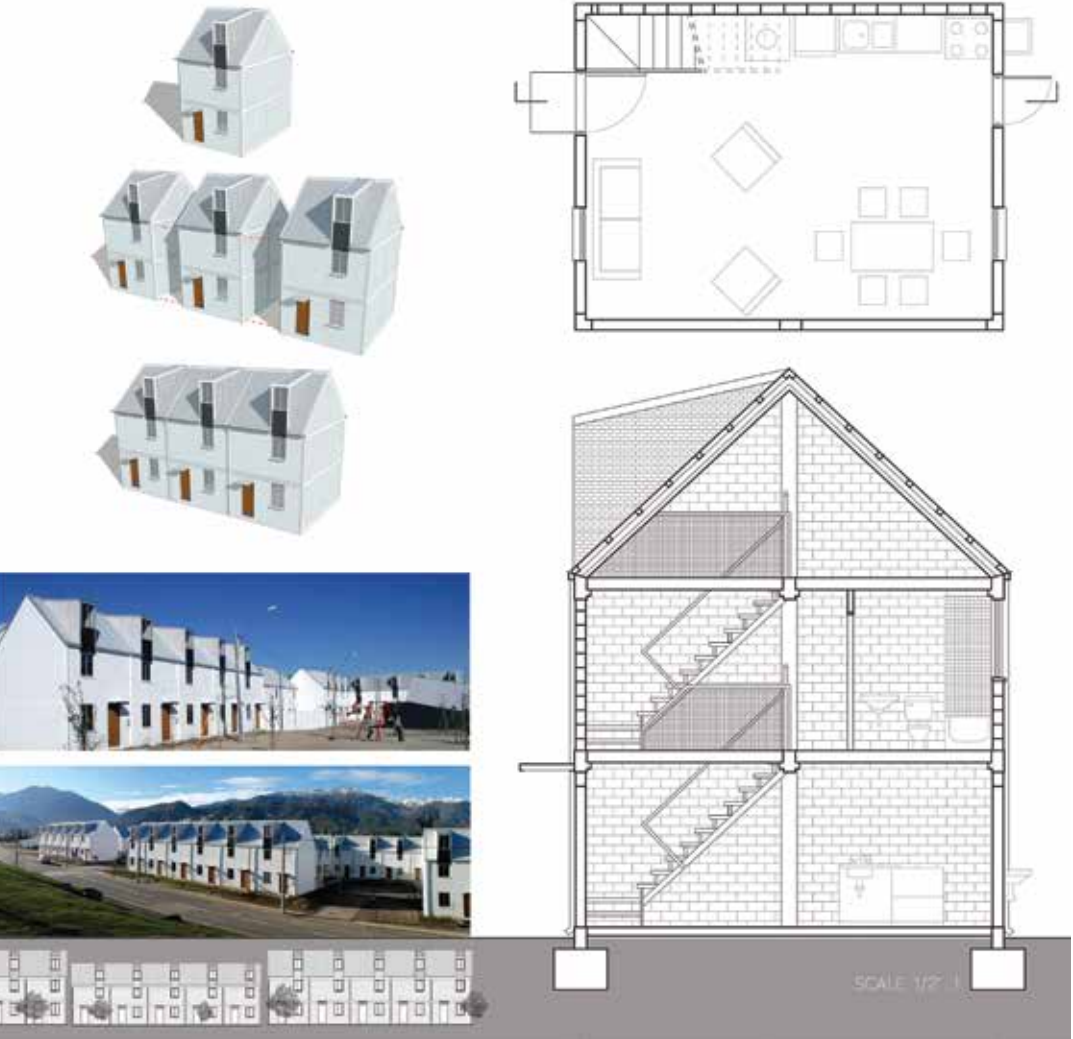


Keenan Tower House  
Stacy Goodman



# LO BARNECHEA

LOCATION: Lo Barnechea, Chile  
 FLOOR AREA: 25,195 m<sup>2</sup> (271,197 sq. ft.)  
 ARCHITECTS: ELEMENTAL  
 COMPLETED: 2010



Lo Barnechea  
 Andrew Shields



LV Series  
 Amanda Tan





**MicroGreen House**  
Kelsey Liu



**Pixel House**  
Taurian Hankins-Smith

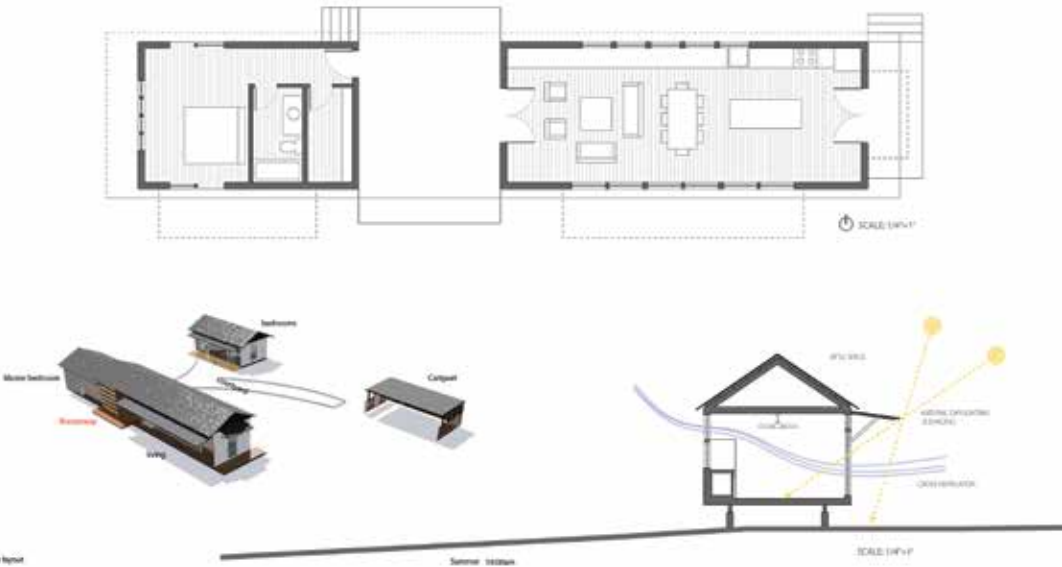


# PORCH HOUSE | LAKE/FLATO ARCHITECTS

Prefabricated modules designed with the flexibility to be clustered in a variety of applications, with parts built on-site. The original Porch House: the Miller house, in central Texas. Designed with sustainability in mind; built for \$150-225/sq. ft.

The architects in their own words:  
"Based on a library of pre-designed, modular living and sleeping rooms, the Porch House concept enables a design-conscious owner to have a custom, site-specific, and LEED certified Lake/Flato house delivered with an efficient and predictable process. Porches and other outdoor areas, built on-site, serve as connecting tissue to create exciting outdoor spaces and ensure each house is particular to its place. And like all of our projects, Lake/Flato Architects are with you every step of the process."

IMAGE SOURCE: LAKE/FLATO ARCHITECTS WEBSITE (ALL)



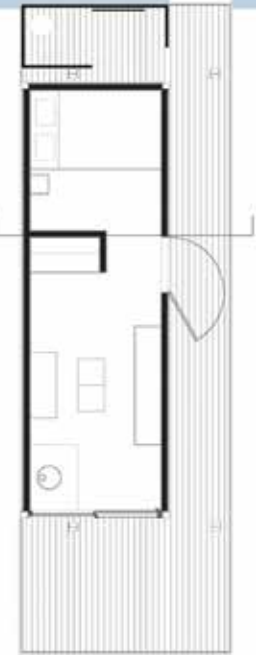
Porch House  
Arsalan Abbasi

# ROLLING HUTS

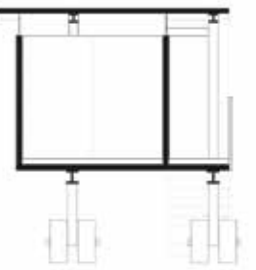
OLSON KUNDIG ARCHITECTS | MAZAMA, WASHINGTON

Metel French commissioned Olson Kundig Architects to design his personal cabin, the Dena Hut, in 2005. After a year, he realized he wanted to share the beauty of his plot of land with friends and family. He commissioned Olson Kundig Architects a second time, asking for low-tech structures to accommodate friends and family when they visited. Built in 2008, the huts stand on a flood plain meadow in an alpine near valley in Mazama, Washington. They are reminiscent of the Dena Hut in their form and design. The site had been decades of over-grazing by horses, and both designers and owner desired to create a highly sustainable and restorative addition to the environment. To accommodate the wish to allow the site to return to its natural state, the architects designed the structures on wheels. These lift the structures above the meadow, and set them lightly on the site. Based on the idea of a modern tent or camping, the huts use a large tarp above camping, each suited with refrigerators, a fireplace and a table, among other amenities.

The huts are constructed of a wood, steel and cedar decking, with interior finishes of cork and plywood. The materials were left as raw as possible, to keep them simple and inexpensive. The interior palette responds to the unrefined setting and needs almost no maintenance. They naturally weather well, in the deep snow during winter and the contrasting intense heat of summer. The interior space of the hut measures 100 square feet, paired with an additional 240 square feet of covered exterior deck space. Six huts sit in the valley, in close proximity to one another, allowing for a panorama of beautiful views.



Floor Plan  
1/2" = 1'-0"

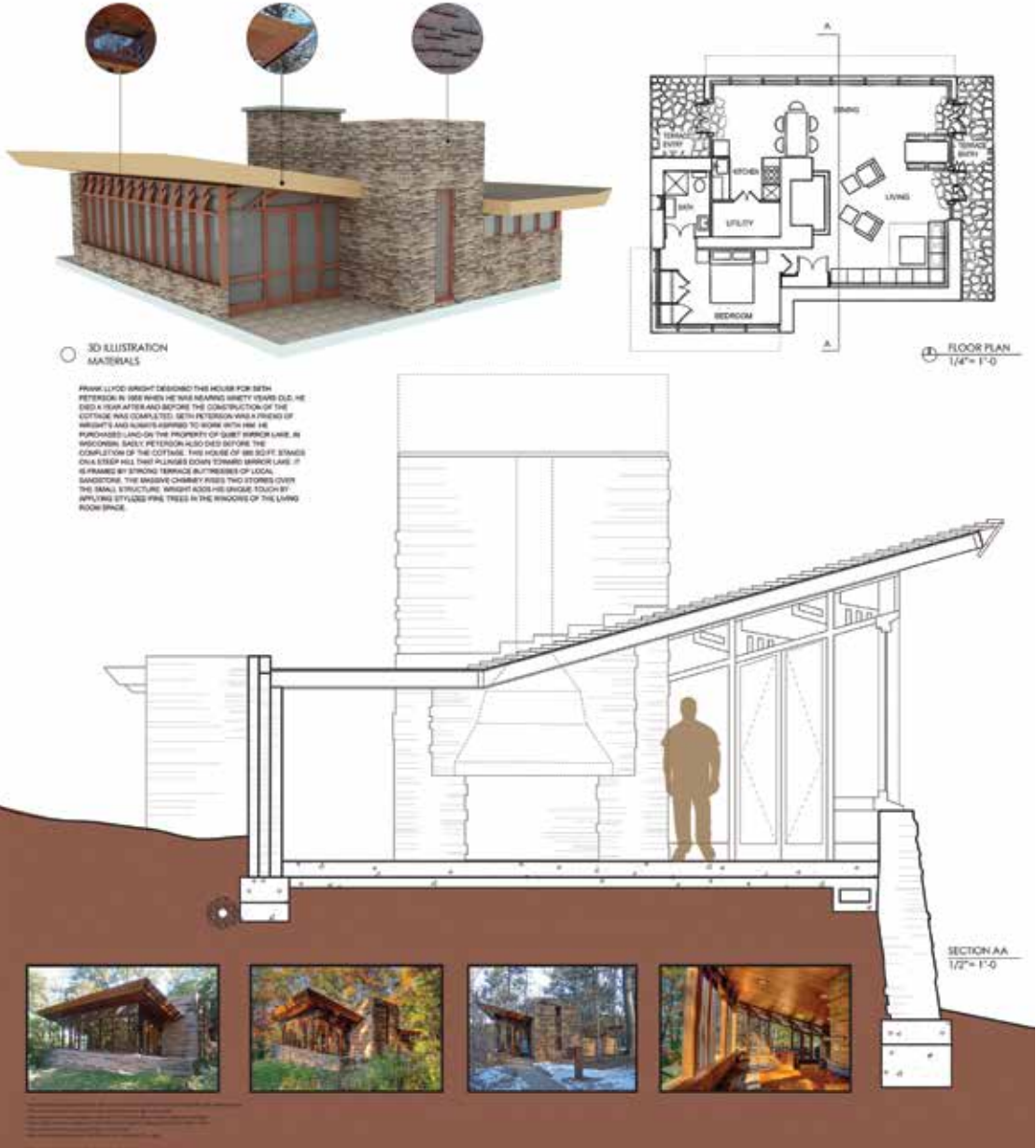


Section  
1/2" = 1'-0"

Rolling Huts  
Katie Johnson



SETH PETERSON COTTAGE | FRANK LLOYD WRIGHT



Seth Peterson Cottage  
Rachel Jordan

S-LINE | HIVE.MODULAR

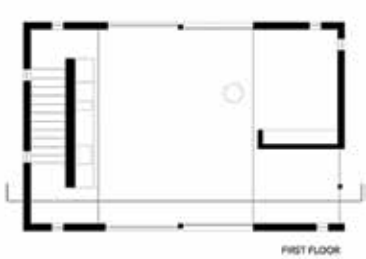
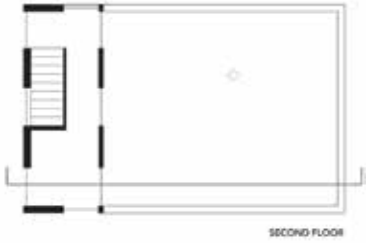
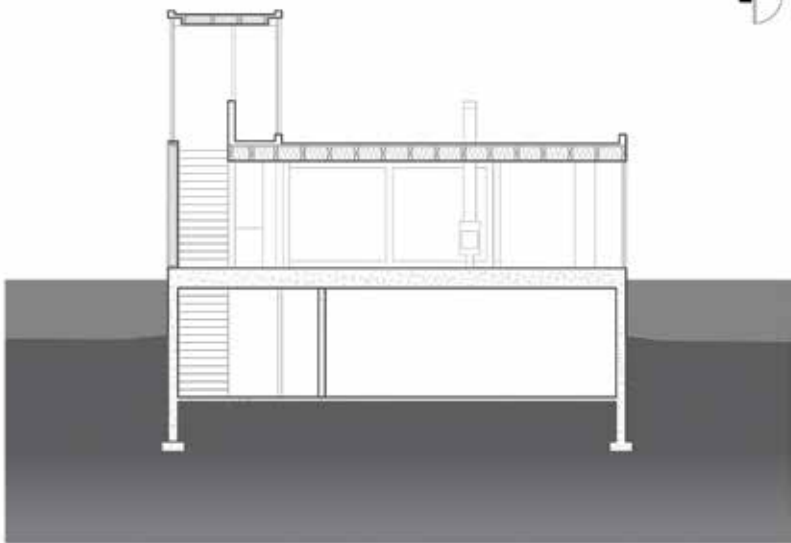
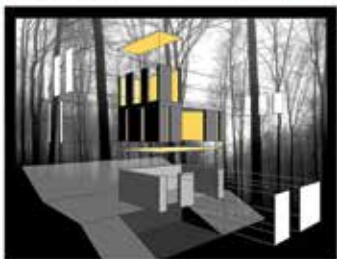


S-Line  
Samantha Thimsen



# **STACKED CABIN** JOHNSEN SCHMALING ARCHITECTS MUSCODA, WISCONSIN 2012 880 SF

Designed as a getaway for a Chicago couple, this 880-sf cabin nestled into a hillside in a Wisconsin forest. The basic form of the house is adapted from the typical longhouse plan to make a more compact and versatile open floor plan. In a traditional longhouse plan, the entrance and work shed are separated from the main living space. Instead, Johnsen Schmaling adapted this layout to meet budget and footprint restrictions and created a 3-story cabin with the service spaces below and an observatory and small study above. The use of a simple structure and local materials, including concrete, metal paneling, and cedar, allow the building to fit into the landscape and keep the project within budget. Floor-to-ceiling curtains add warmth to the interior and provide privacy and versatility to the main living spaces.

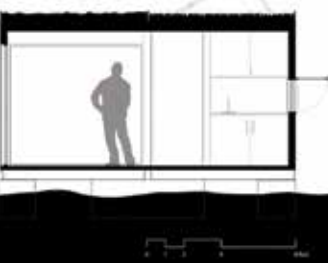


**Stacked Cabin**  
Jenna Pye

# **STUDIO 320** HyBrid Architecture

location // Enumclaw, Washington  
size // 320 ft²  
base price // \$109,500  
date completed // 2005

Carpe Diem Studio 320 is an off-the-grid micro-house merging two 8' x 20' shipping containers that slide past one another to create one large great room and two smaller private rooms. This project executes various sustainable strategies, including a fern-based green roof, off-the-grid solar panels, and an above-ground living-matching septic system. In addition, the interiors are made of reclaimed finished plywood from a local highschool's gym bleachers, sprayfoam insulation, stainless steel fixtures, and waterproof Paperstone counters. Some functional features include operable windows, preserved cargo doors, and a sliding entrance wall, which allow for fully enclosed winter settings or open-air summer conditions. Some space efficiency strategies include a relatively small bedroom, a Japanese style bathroom, minimal use of partition walls, overhead storage space. The prefabricated containers are demountable from the precast concrete footings and have the potential to be stacked three floors high in other locations including urban settings.



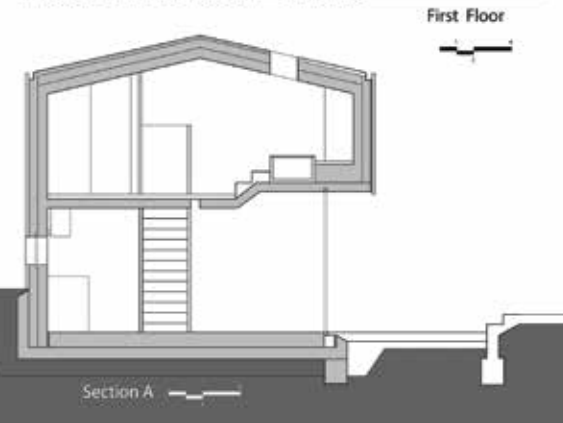
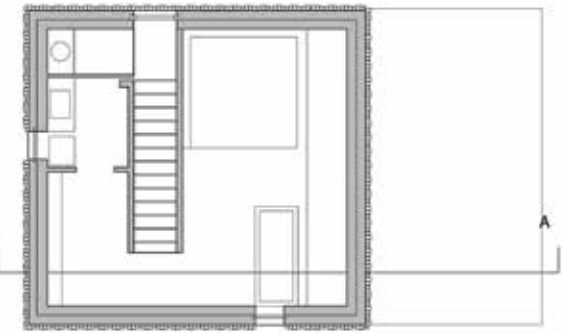
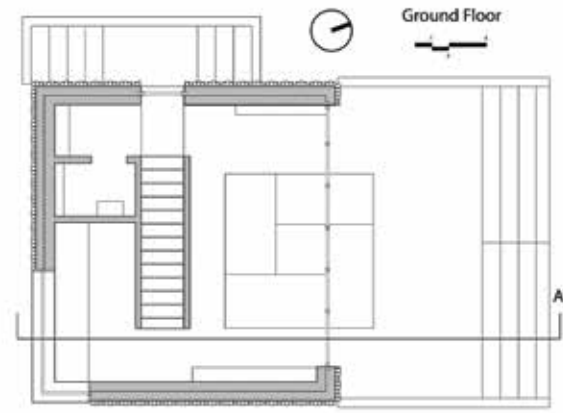
**HyBrid Architecture**  
David Ji





# Uncle Fred's Hut

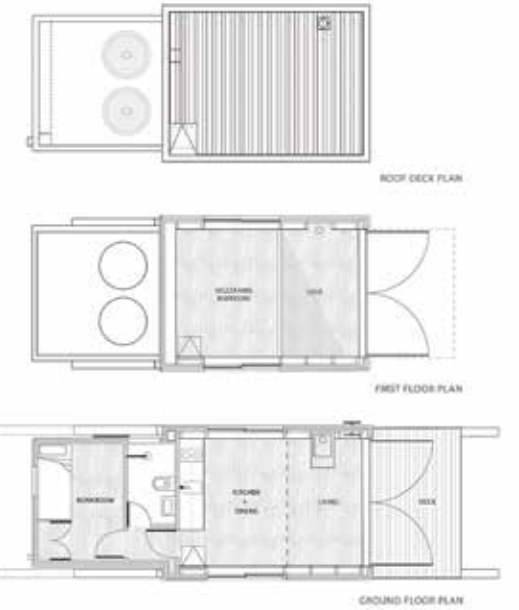
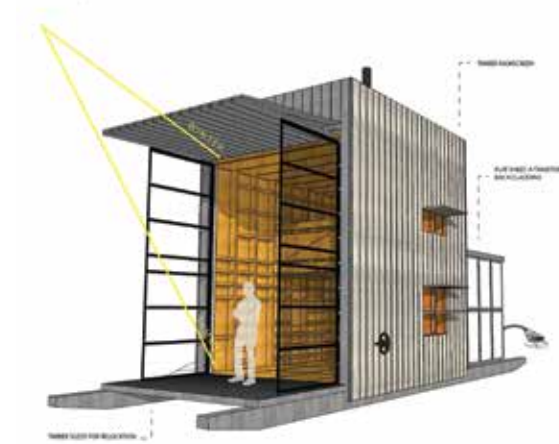
Hertl Architekten



Uncle Fred's Hut  
Jackson Wall

# WHANGAPOUA SLED HOUSE

Whangapoua, New Zealand | Croisson Clarke Carmichael Architects | 430 sq. ft.



Whangapoua Sled House  
Victor Galloway



# WISCONSIN CABIN

Architect: RESOLUTION: 4 ARCHITECTURE  
Completion Date: 2011

Size: 1,979 sf

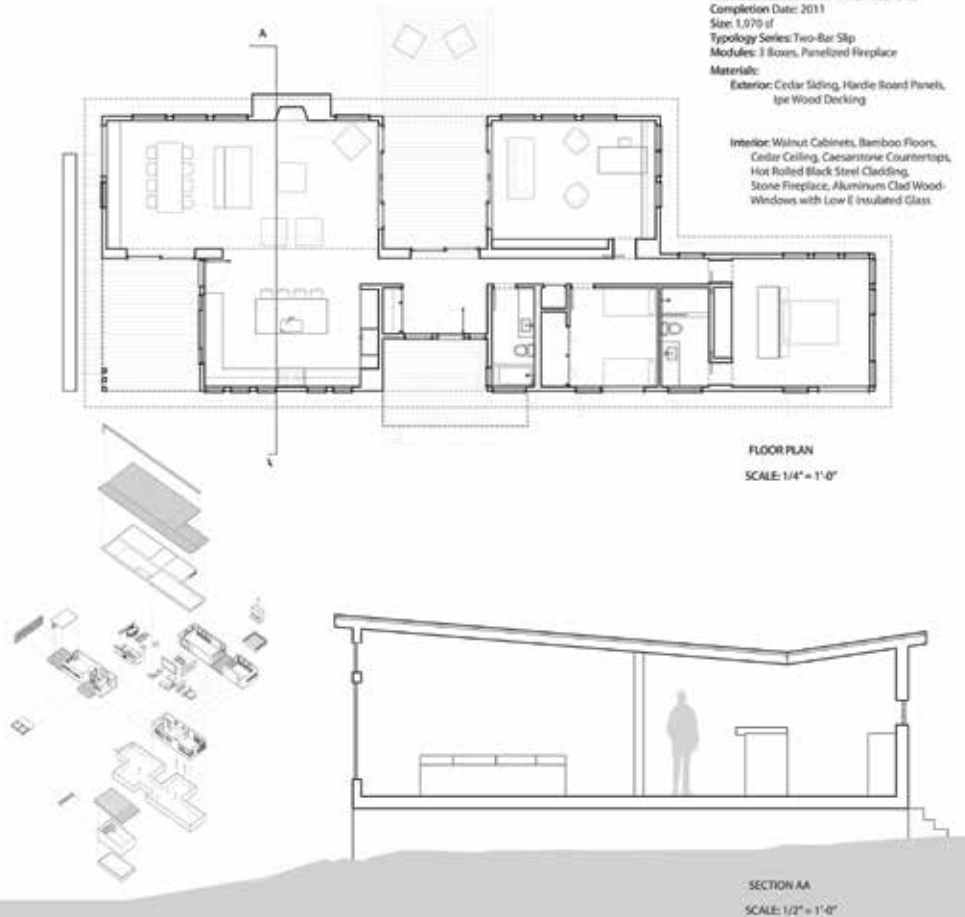
Typology: Series: Two-Bar Slip

Modules: 3 Boxes, Panelized Fireplace

Materials:

Exterior: Cedar Siding, Hardie Board Panels,  
Ipe Wood Decking

Interior: Walnut Cabinets, Bamboo Floors,  
Cedar Ceiling, Caesarstone Countertops,  
Hot Rolled Black Steel Cladding,  
Stone Fireplace, Aluminum Clad Wood-  
Windows with Low E Insulated Glass



Wisconsin Cabin

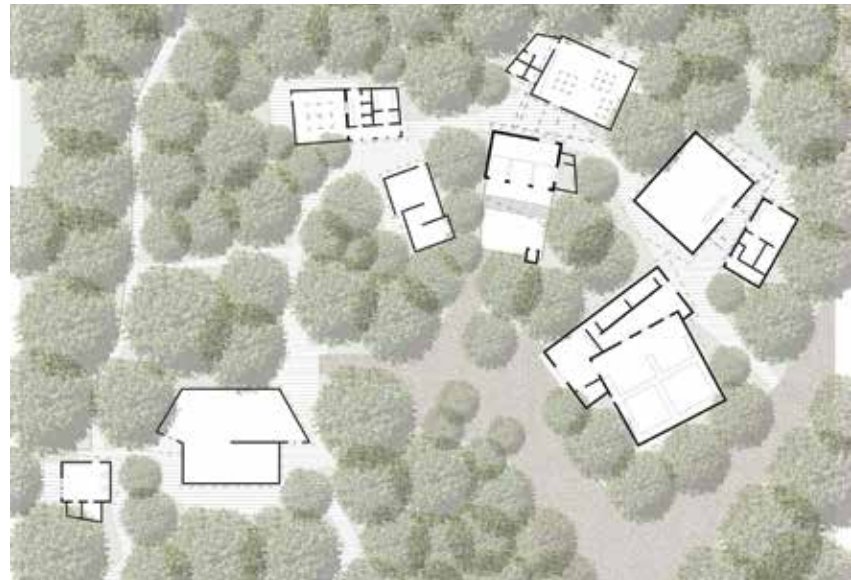
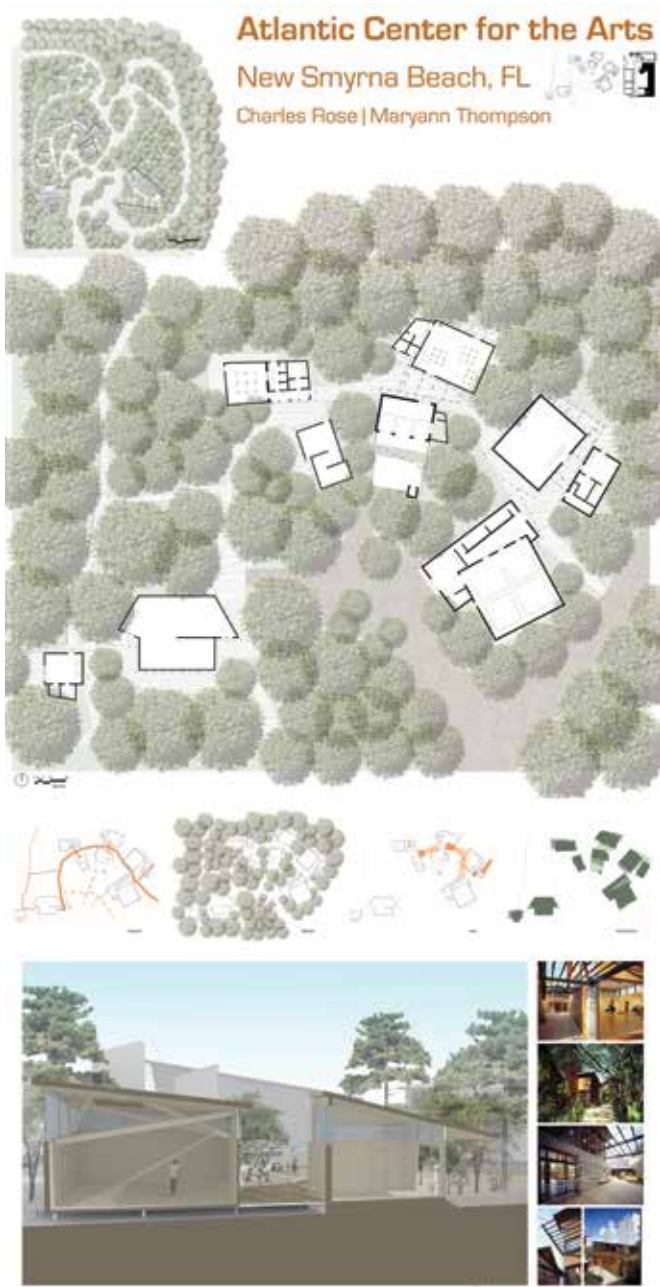
Ryan Whitley



# PRECEDENT **SITE**

Atlantic Center for the Arts	168
Camp Paint Rock	169
Chaco Canyon	170
Habitat 825	171
Holbaek Harbour	172
Makenna Resort	173
Parc de la Villette	174
Quinta Monroy	175
Sea Ranch	176





SITE PLAN

**Atlantic Center for the Arts**  
Kira Fallon & Jenna Pye



SITE PLAN

**Camp Paint Rock**  
Stacy Goodman & Samantha Thimsen







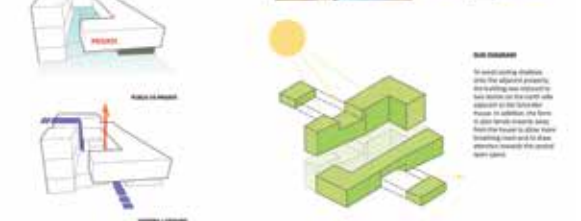
SITE PLAN

Chaco Canyon  
David Ji & Andrew Shields

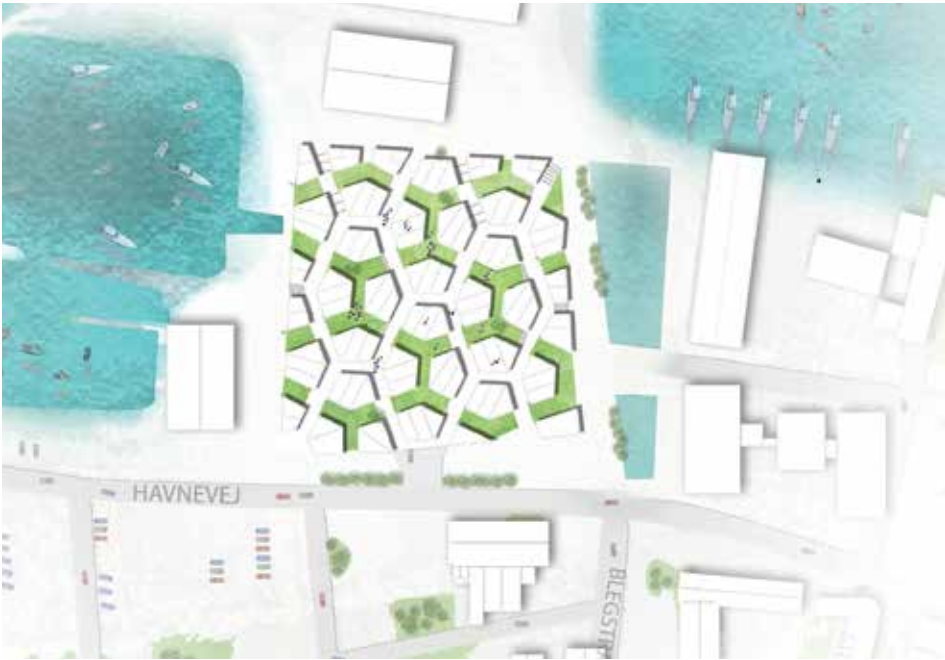


SITE PLAN

Habitat 825  
Victor Galloway & Kelsey Liu







SITE PLAN

**Holbaek Harbour**  
Rachel Jordan & Taurian Hankins-Smith

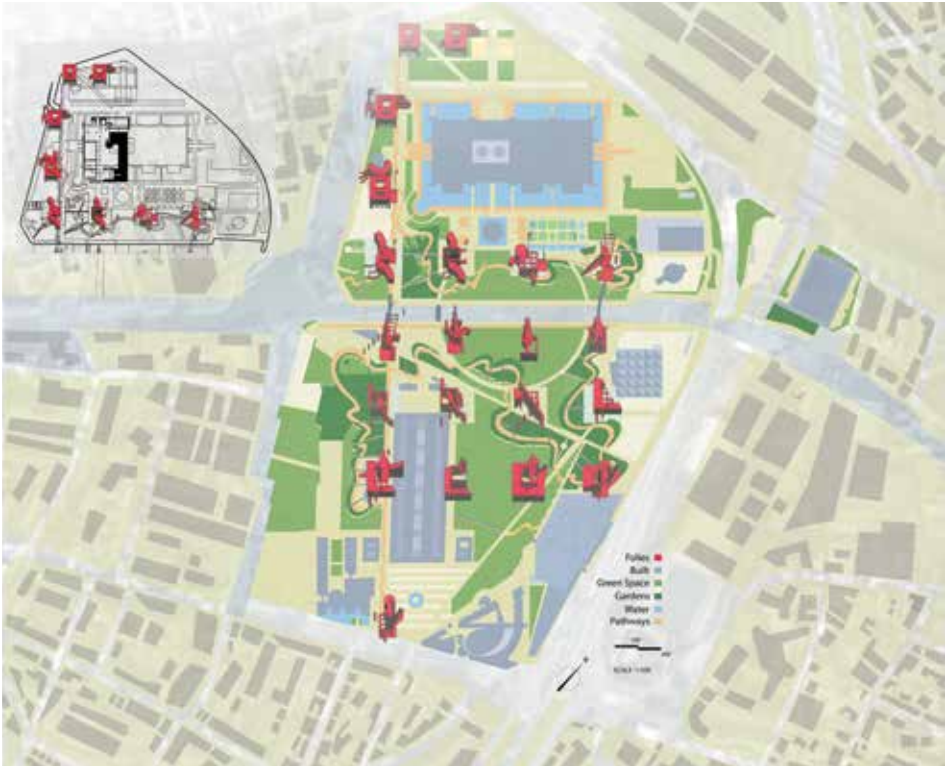


SITE PLAN

**Makenna Resort**  
Alex Backeris & Elizabeth Gutierrez







SITE PLAN

Parc de la Villette  
Andrew Dippel, Katie Johnson & Jackson Wall



SITE PLAN

Quinta Monroy  
Arsalan Abbasi & Amanda Tan

