ARCHITECTURAL PORTFOLIO

Ronnie Rubio

INDEX

PROFESSIONAL

Professional work created at STK Architecture & CSDA Design Group

UNIVERSITY

University work created at Woodbury University

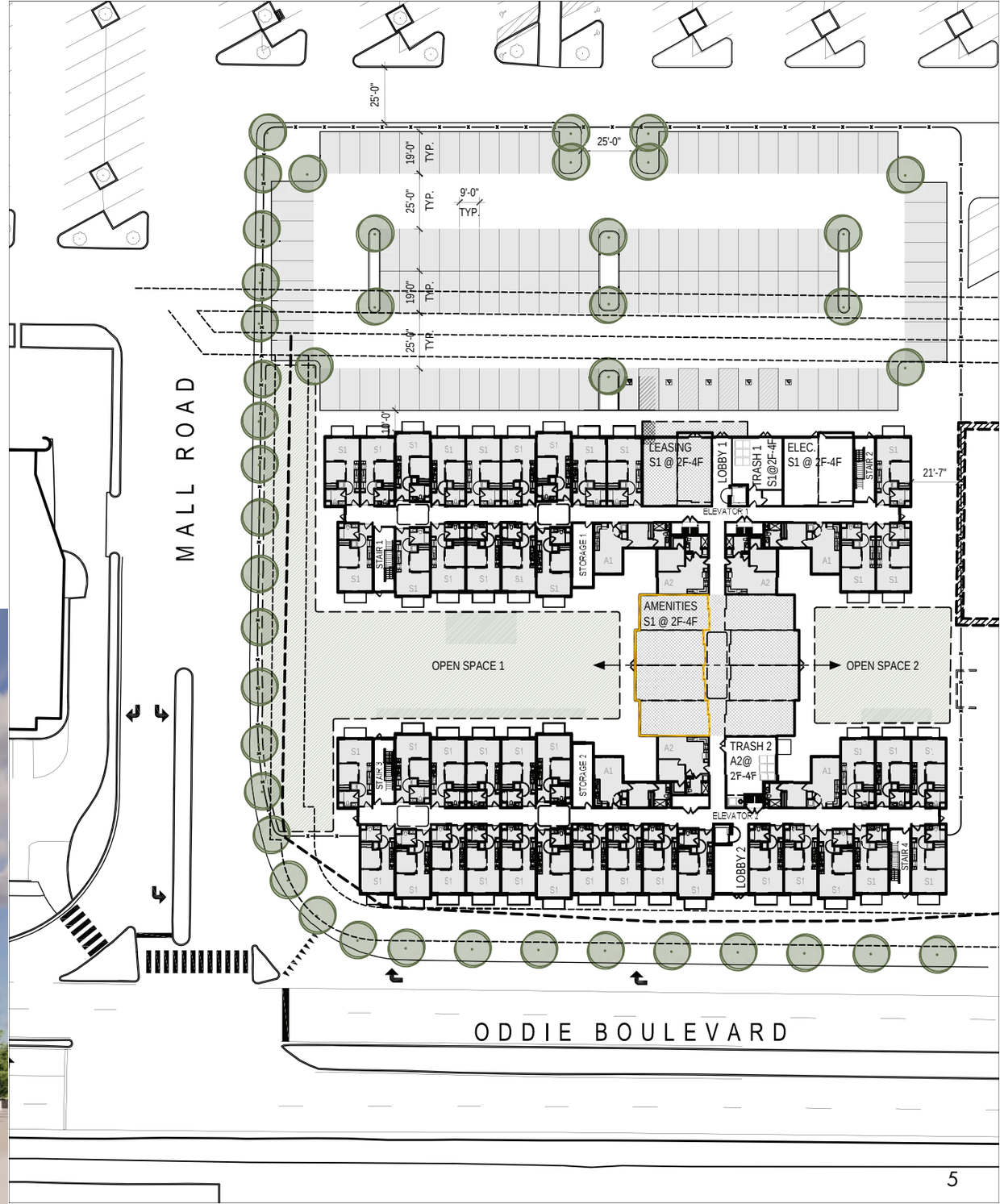
ODDIE LOFTS

site: *Reno, Nevada*

land planning

Located in Reno Nevada, a new Studio development is designed. Providing One hundred-seventy-two studio units at market rate, and Sixty-three premium loft units. Juliet balconies were requested, to provide a grand opening of an experience for the residents. Amenities are centrally located within the building. Active program is placed at the first floor, such as fitness, and leasing. The roof top is for passive program, providing an outdoor communal space.

Rendered Perspective

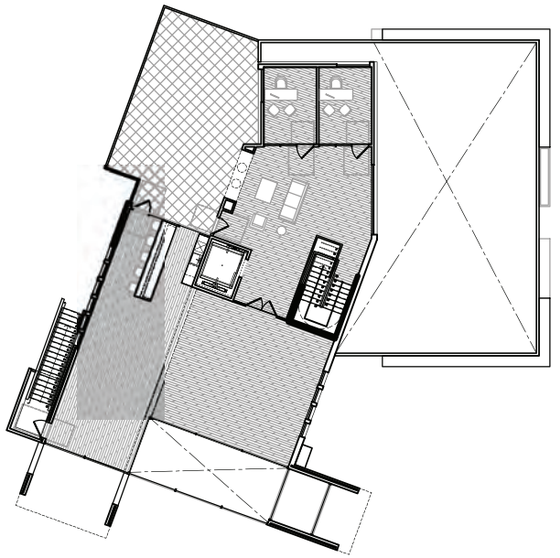


VISTA 11 CLUBHOUSE

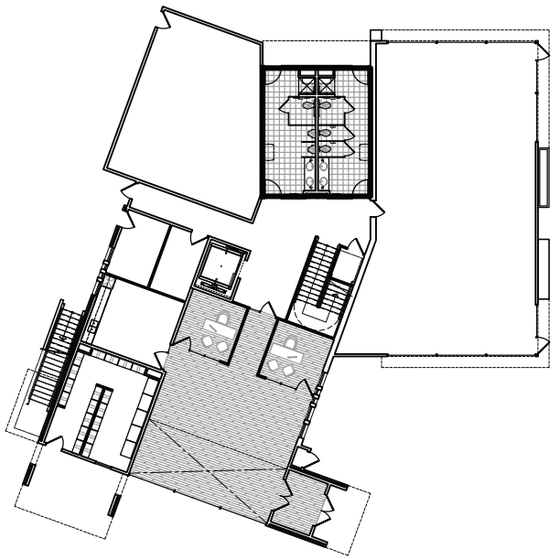
site: *Draper, Utah*

A club house is placed between a triad of fifty-four plex buildings. This club house will serve the Multi-Family development by providing amenities, such as, social gathering spaces, a fitness room, mail room, restrooms, leasing, and a bar. Intersecting volumes generates the building form, and reveal programmatic spaces, which are then naturally illuminated.

Outsourced Rendering



Floor Plan Level 2



Floor Plan Level 1

REVERIE APARTMENTS

site: *Reno, Nevada*

land planning

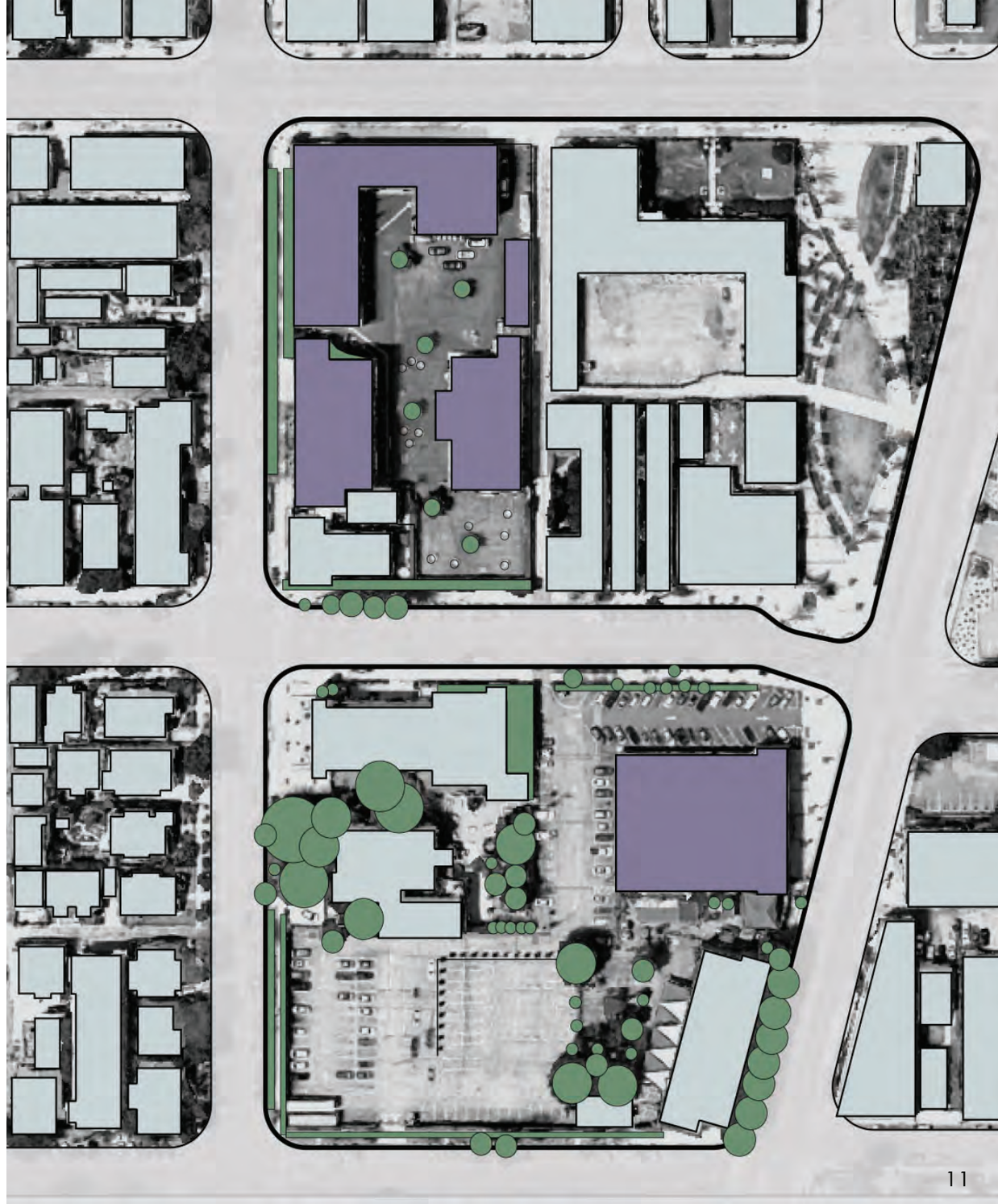
A four acre site, adjacent to the Truckee river, is home to four hundred and forty nine apartment units. This Multi-Family development consists of three building types, Corridor, 3-Story Walk-up, and a 5-Story Wrap. A communal gathering space, located in the south east corner of the site, anchors the project, providing guest's and residents a place of peace and tranquility. Closest to the river, the 5-Story Wrap directs its resident's gaze towards the flowing body of water, providing the client with optimal river front properties.

Rendered Site Plan

ST. ANTHONY HIGH SCHOOL

master plan:

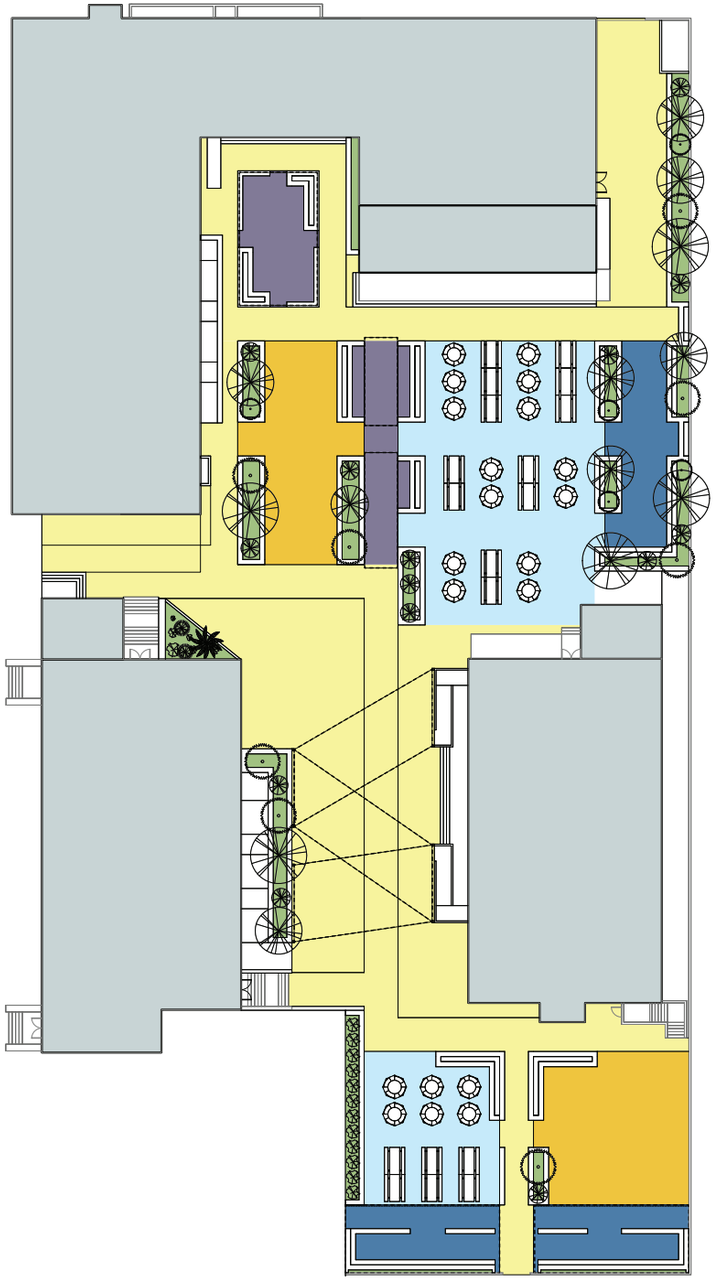
The master plan process began by conducting programing sessions with the faculty. The staff voiced their concerns and informed the design team where they believe opportunities presented themselves; specifically, those that concerned the optimization of day-to-day operations. An analysis of the campus was conducted that ultimately revealed opportunities that were consistent with the staff's comments. This analysis aided in the development of a broad listing of recommended projects, established to address the school's concerns and target its priorities.



courtyard redesign:

The courtyard has been redesigned to provide shade and seating while maximizing supervision. Fabric sails have been selected as a main source of shading, and trellis' as a secondary source. The trellis' allow an opportunity for vegetation growth, which will provide additional light filtration while simultaneously cooling the outdoor space. Green spaces have been strategically placed throughout the courtyard to further cool the outdoor space. Seating was located on the north and south portion of the campus to create two zones of occupancy. When needed, the north zone can be reconfigured to provide a large open gathering space in front of the newly designed announcement stage. Asphalt will be replaced with concrete and pavers. The pavers will provide a suggested path of circulation while concrete further assists in cooling the space. The south portion of the courtyard has been optimized to accommodate two outdoor learning spaces. Additionally a large green free-to-play area was provided.

Outsourced Rendering



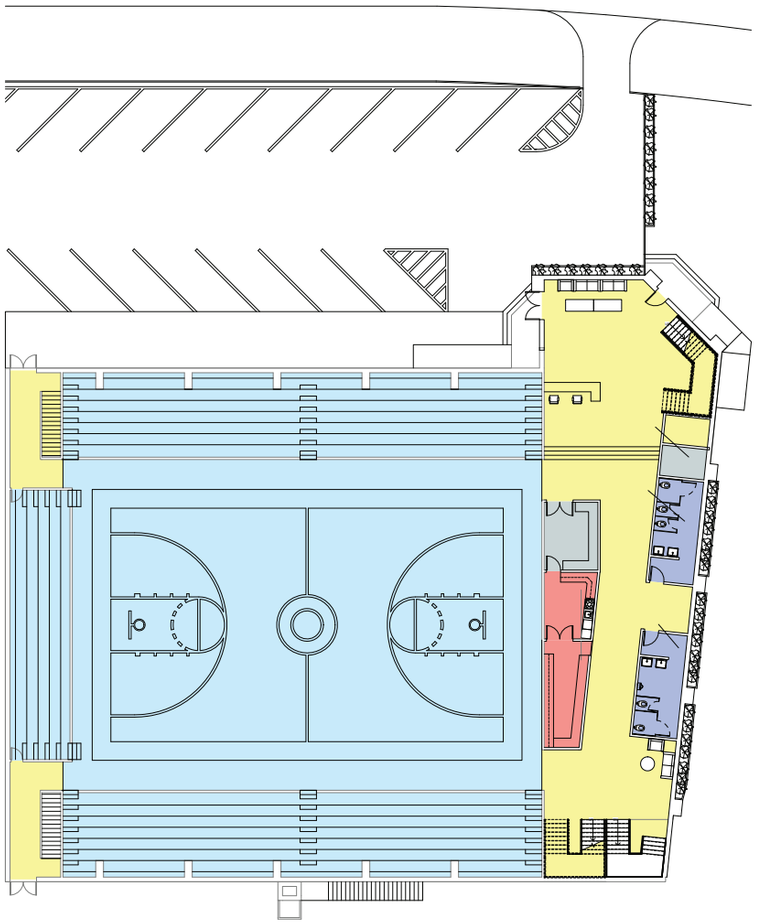
legend:

- buildings
- shade structures
- vegetation
- circulation
- studying space
- gathering space
- lounge space
- activity space

gymnasium redesign:

The entry to the gym has been relocated from the eastern wall to the north east corner. By placing the public entry on a chamfer, it allows St. Anthony's presence to engage the community. The main entry from the parking lot is adjacent to the public entry. Rather than traveling through the rear door, occupants will enter through the new entry. Upon entering visitors are greeted by a double height lobby, which circulates into the court. A new layout of the gym's concession core was developed to optimize circulation, while maximizing functionality. An Elevator has been also added to provide accessibility to all floors. Additionally, vertical circulation has been relocated to the northern and southern portion of the gym, further reinforcing a non-disruptive path of travel.

Outsourced Rendering



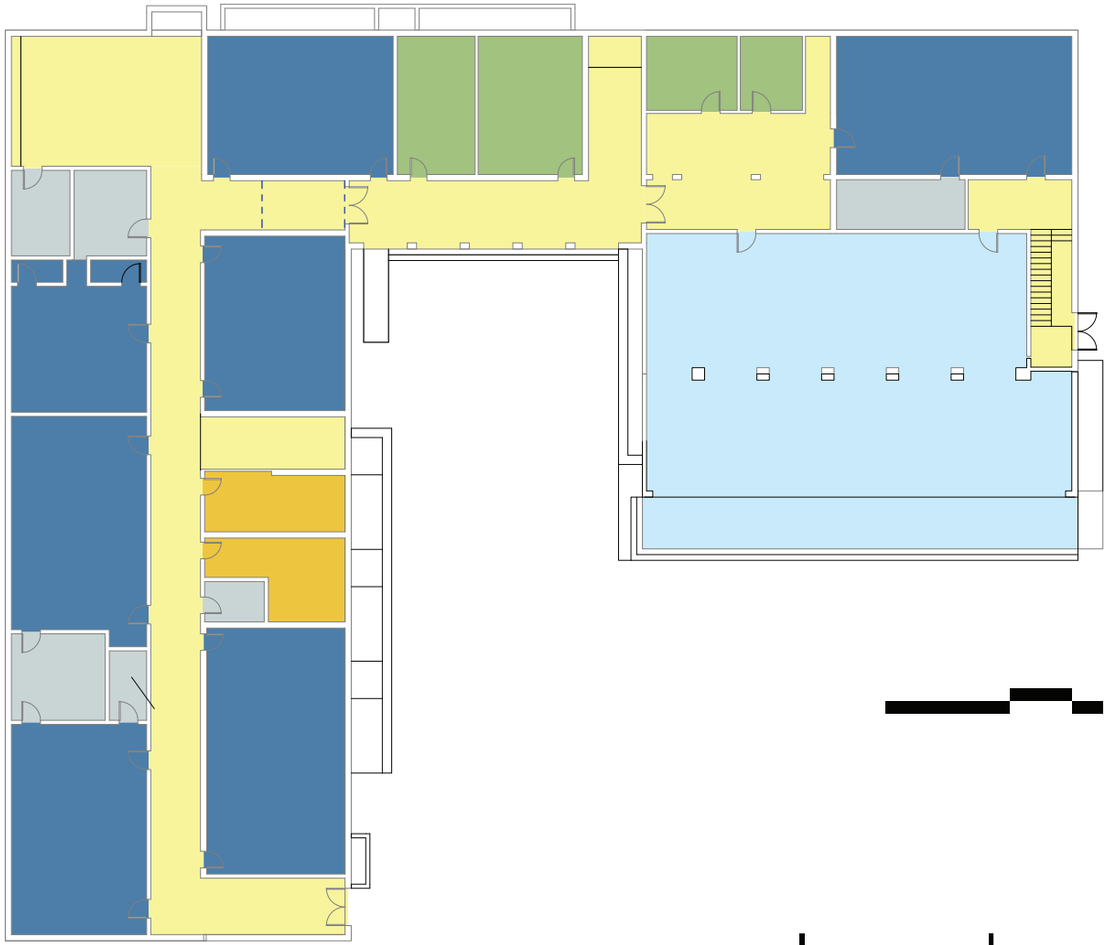
legend:

- circulation
- kitchen & concession
- public restroom
- gymnasium
- storage / utility

library reconfiguration:

The Library has been redesigned to provide a large multi-purpose room. Removing the book stacks & consolidating them to the northern wall allows for the entire library to be one large flexible space. The addition of the patio, accessible through a series of glazed garage doors, invites students into the space. On a daily basis, the Library will function as a learning center that provides both physical & digital information. When needed, the space can be reconfigured to host multiple events, such as Parent Teacher Night & Gallery Viewings. The Patio allows the space to become a performance/announcement stage that can host school functions such as pep rallies & small drama productions. The Library which was once a place solely focused on research, is now a dynamic space which will thrive on social interaction and community.

Outsourced Rendering

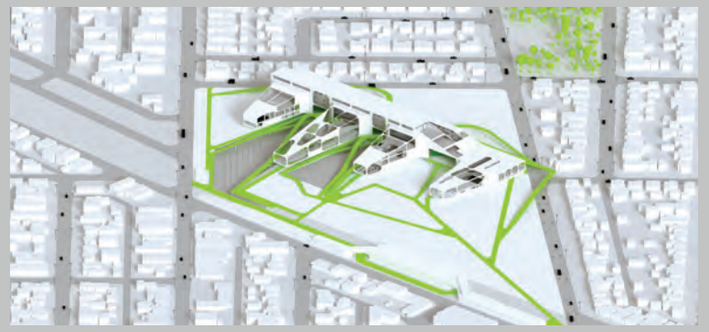


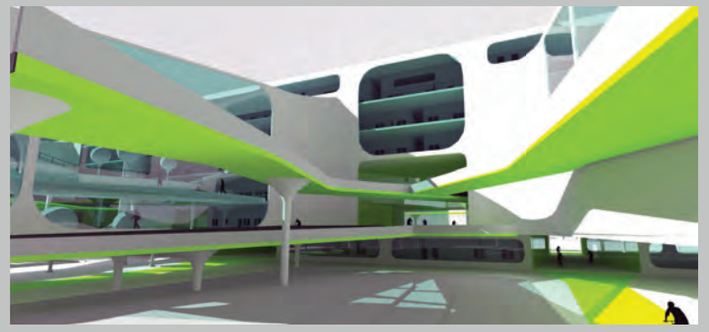
legend:

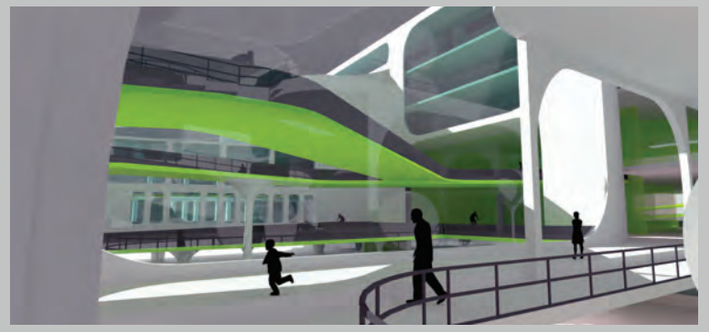
- circulation
- office
- classroom
- student restroom
- library
- storage / utility

site:

5740 Whitnall Hwy
North Hollywood, CA 91601







POWER LA

professor:

Yasushi Ishida

partner:

Andrew Ancira

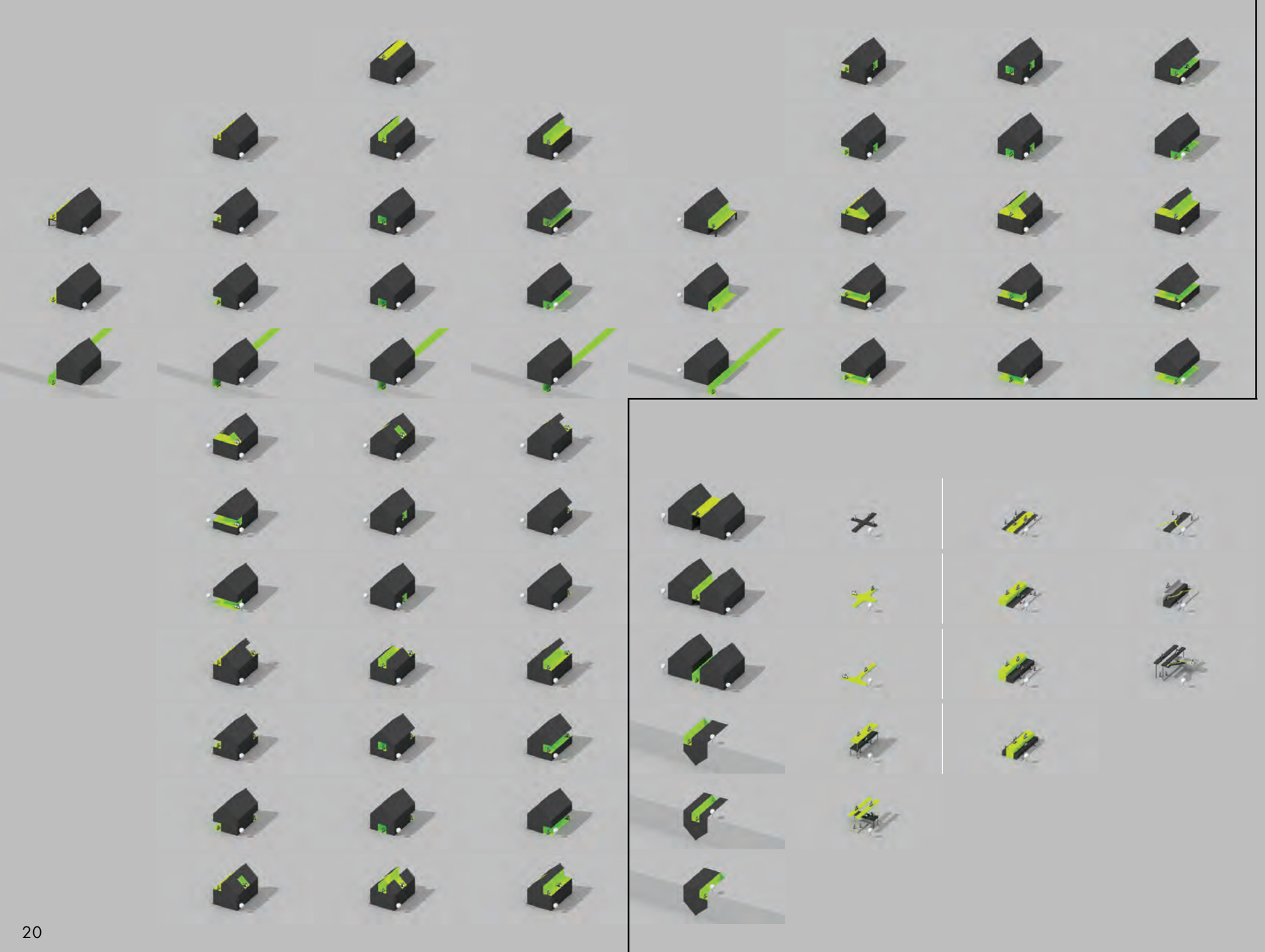
awards:

Best Thesis 2018

concept:

The Whitnall Highway, a six mile stretch of land that is home to a transmission line. Code does not allow for any permanent structures, so how could a building exist on this site?

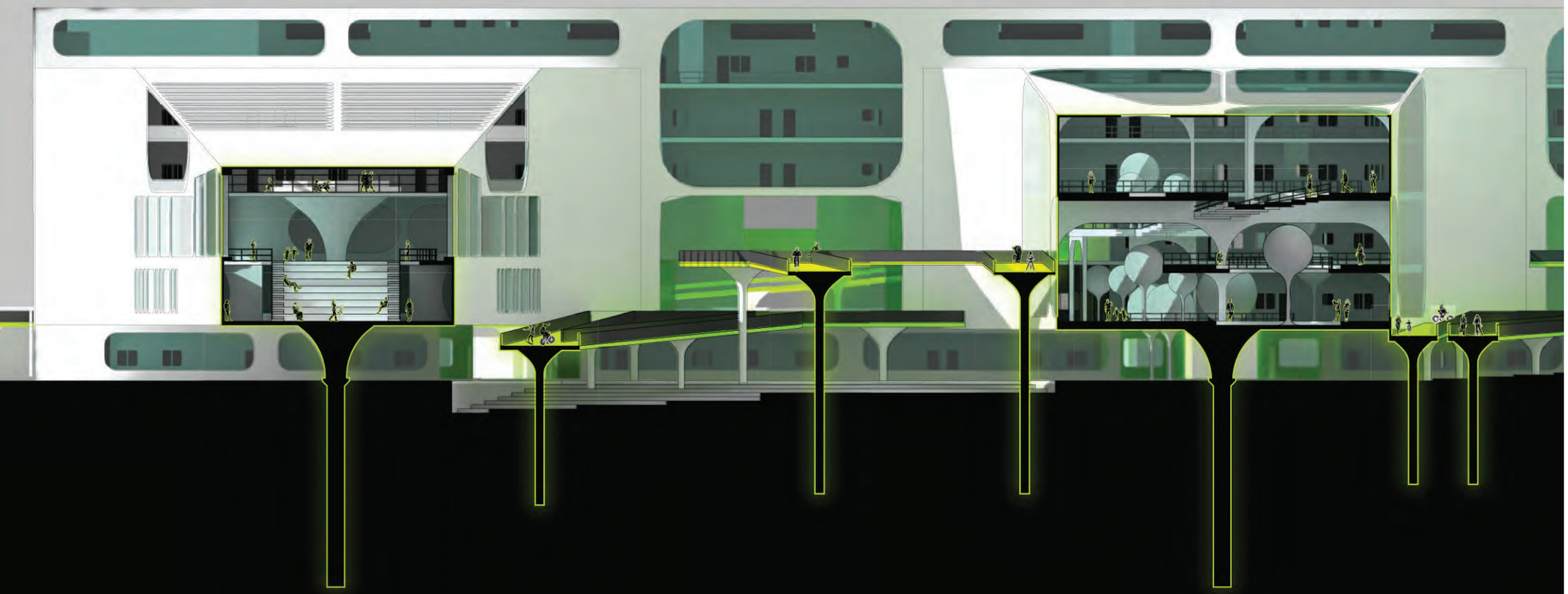
The answer was to rid our need for outsourced energy, by finding a technology that will allow the city to become self sufficient. With power plants no longer being needed an opportunity emerges, a multi-use building, using a new technology, that is directly attached to a source of infrastructure.



kit of parts

This is a study of merging infrastructure within a volume. By placing a path in multiple positions allows for one to understand which are the most opportune moments.
This path is the solution to removing the transmission lines. The infrastructure will be tessellated with kinetic tiles. When one travels over the path it will generate energy. This energy will then be transferred through the infrastructure to the multi use building, for storage.
This kinetic path, now has a need to be walked on. Without circulation the technology is dead, and the requirements for outsourced energy still exists.
How does one create circulation without congestion, and what reasons would invite a traveler to use this means of circulation?

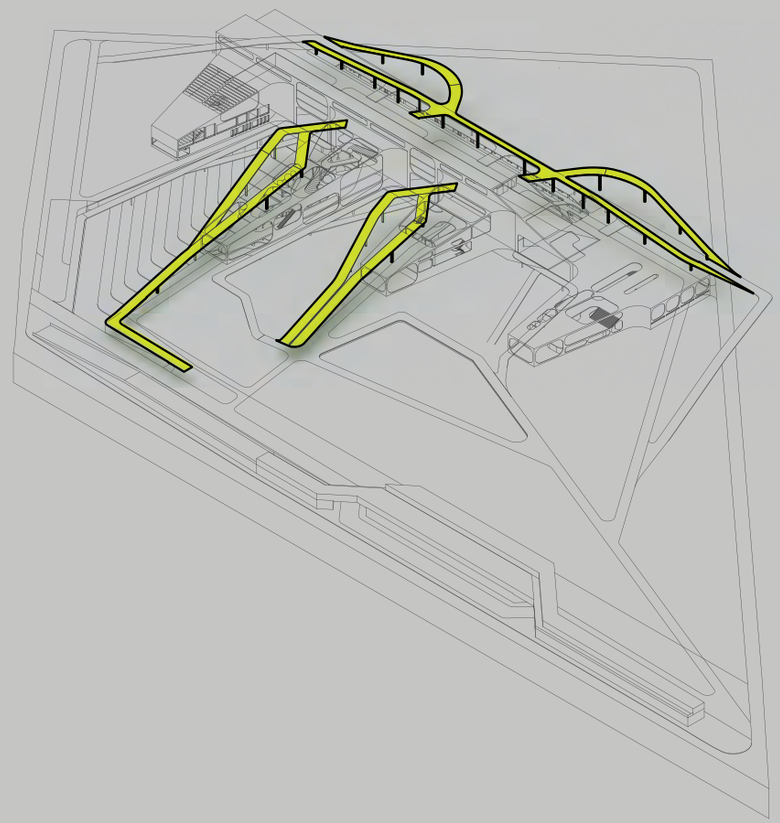
section
2 public programs



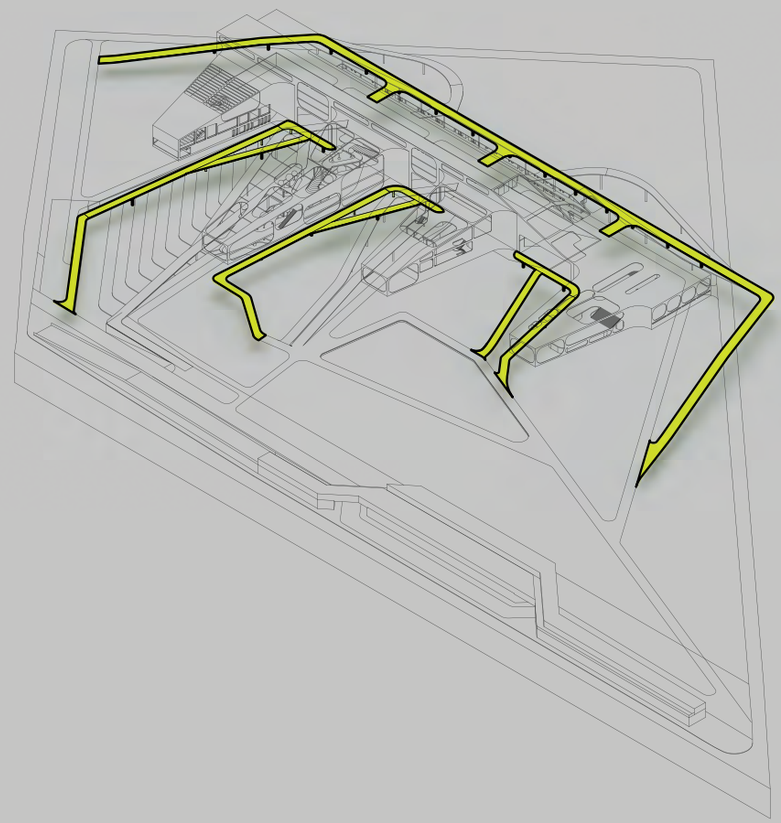
public program

Four types of public program were designed to invite pedestrians to the site. A Social Space, a Green Room, An Athletic Center, and a Learning Center. Both residents and visitors are able to maneuver through the building, generating energy simultaneously, while they circulate.
The Social Space contains a day care, and viewing zones.
The Green Room, is a garden with circulating paths. The Athletic Center has a gym, sauna, and dance rooms. The Learning Center is filled with class rooms, study rooms, a computer lab, and library.

public
circulation



private
circulation



kinetic path

Using the information derived from the kit of parts study, the ideal locations for this kinetic path were selected. By strategically placing the path through and around the building will allow one to circulate efficiently, while adventuring long enough to generate energy.

BENTO BOX

professor:

Jeanine Centuori

awards:

Best Student Design-Build Project World Wide 2017 -ArchDaily

drawings:

Andrew Ancira

budget:

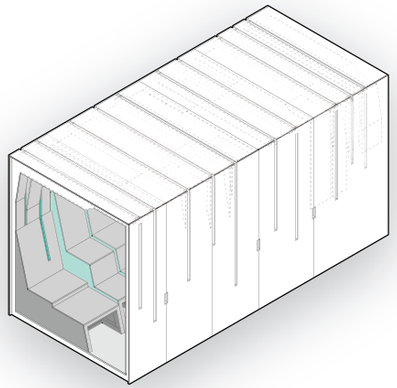
Jason Bravo

models:

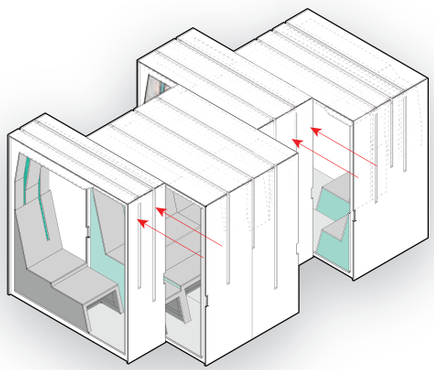
Alex kim

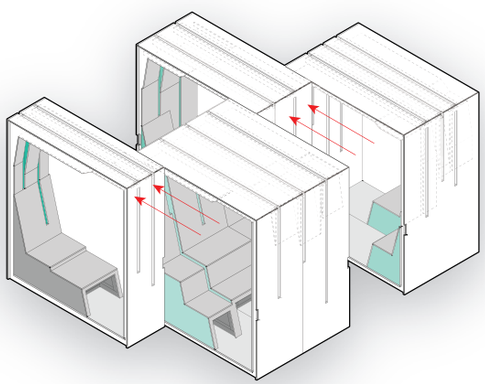
materials:

Ronnie Rubio

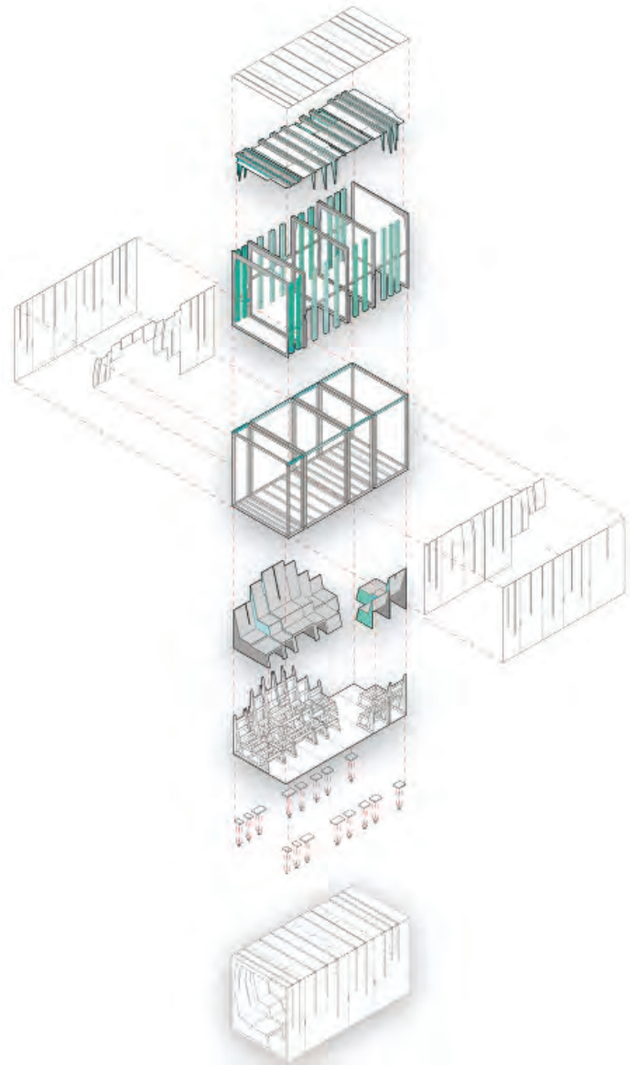


movement diagram



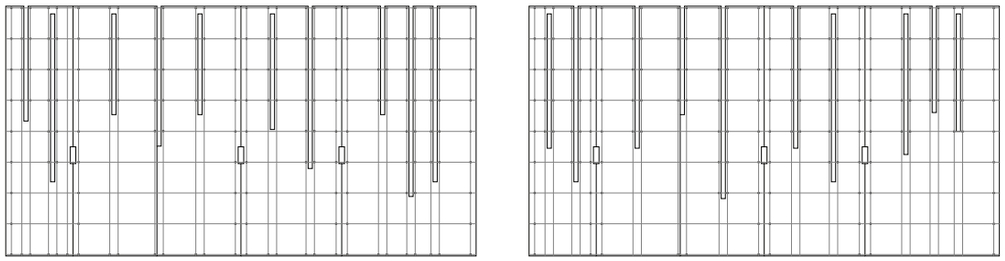


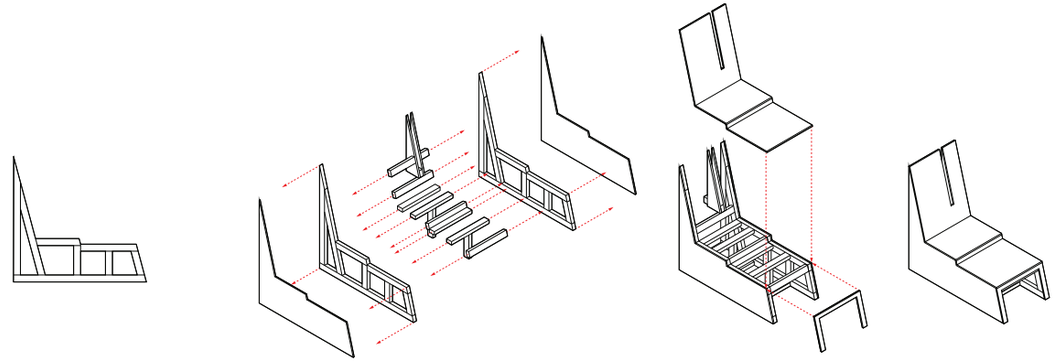
assembly axon

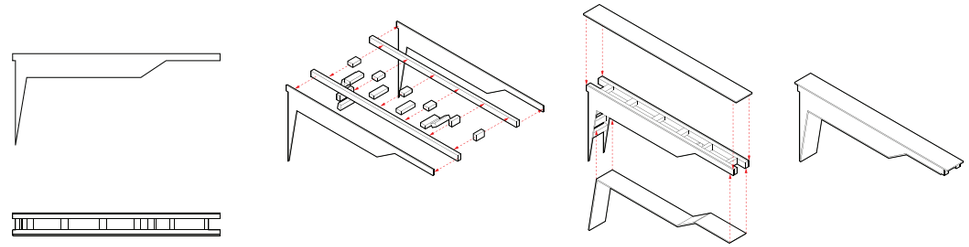


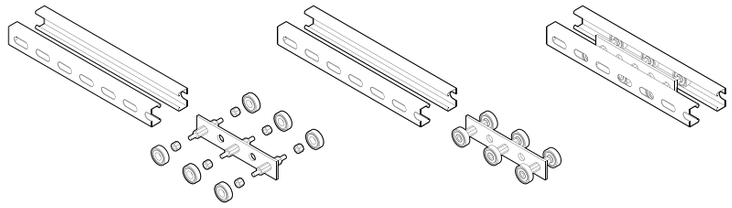
concept:

Built for Thomas Jefferson High School in Los Angeles, this project sought to inspire the student's curiosity towards architecture through embedded social and spatial functions within the project. This design investigates how furniture can be scaled to fit larger programmatic necessities. In this case, the drawer was thought of as a space in which one could store, expand and/or compartmentalize social interactions. With this in mind, seating was designed to perform for both for personal and social instances, generating private compartment or bench-like arrangements. Each module was painted through its cut edges to highlight the sectional quality of the seating arrangements.









assembly

Carefully articulated drawings allowed to the assembly of the Bento Box. Within the drawings, and models, initial design issues were discovered and resolved. Using a combination of tools, CNC, Routers, chop saws, drills, and the occasional welding torch, allowed for many failures and accomplishments. The primary material chosen was Birch, a hardwood that is cost effective and visually pleasing.