



**SELECTED  
WORKS**

*BY*  
*KHUSHBOO GUPTA*

# KHUSHBOO GUPTA

## CONTACT

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- mail.khushgupta@gmail.com

## EDUCATION

- Royal College of Art** 2017  
MA Architecture London, United Kingdom
- University of Edinburgh** 2012  
MA (Hons) Architecture Edinburgh, Scotland

## SOFTWARE TOOLS

- Rhinoceros 3D
- AutoCAD
- SketchUp
- Adobe Suite
- Grasshopper 3D
- V-Ray for Rhino
- QGIS
- Bluebeam
- Procreate
- Revit

## PROFESSIONAL EXPERIENCE

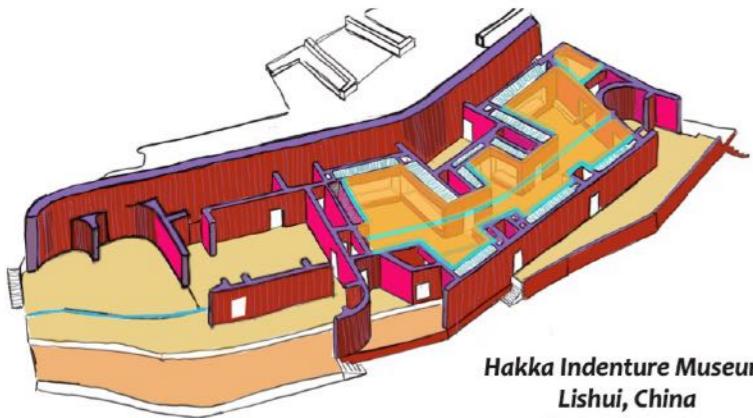
- Architecture For Education** // Pasadena, CA July 2022- June 2024  
**Job Captain**
  - Lead designer for a public K-12 school project in Alhambra & completed DSA documentation for the project.
  - Currently leading design presentations for a masterplan design on a campus in Santa Monica & program finalization for a classroom building renovation within the same campus.
  - Also working on design discussions with stakeholders and DSA documentation for a fencing project at 5 school campuses in Oxnard.
- Swift Lee Office** // Pasadena, CA Sep 2019- July 2022  
**Project Designer**
  - Leading masterplan design discussions for Pasadena Unified School District (PUSD), field inspections for school, and preparing presentations for parents and faculty.
  - Preparing DSA construction documents for school renovation projects.
- Valerie Switzer Architects** // New York, USA Sep 2018-Feb 2019  
**Freelance Designer**
  - Participated in design competition for an interventionist design in a park for a few months, working on design iterations and final drawings for the submission.
- Vo Trong Nghia Architects** // Ho Chi Minh, Vietnam Mar 2016 - Aug 2016  
**Intern**
  - Participated in design development, prepared conceptual physical models, and completed final drawings for competition submission panels for the Suncheon Museum, South Korea.
  - Finalized master plan proposals for a luxury beach hotel and concept renders for the hotel atrium.
- Junya Ishigami + Associates** // Tokyo, Japan Aug 2015 - Feb 2016  
**Intern and Communications Manager**
  - Built physical models in the design development stage for a restaurant-house design.
  - As lead manager for an international collaboration of a park competition in Mumbai, prepared contextual research and conceptual designs and facilitated communications between multiple teams.
- dRMM Architects** // London, United Kingdom Feb 2015 - Jun 2015  
**Intern**
  - Edited, designed, and compiled project portfolios for sales and marketing publications.
  - Assisted in construction stage drawings for various projects using VectorWorks.
- Khushru Irani Design Studio** // Pune, India Jun 2012 - Jul 2013  
**Junior Architect**
  - Secured the flagship project for a boarding school extension and led the design and development phase. Also contributed to the early construction phase drawings.
  - Concluded site study, design and execution of a landscape design project for a multi-family residence.

# CONTENTS

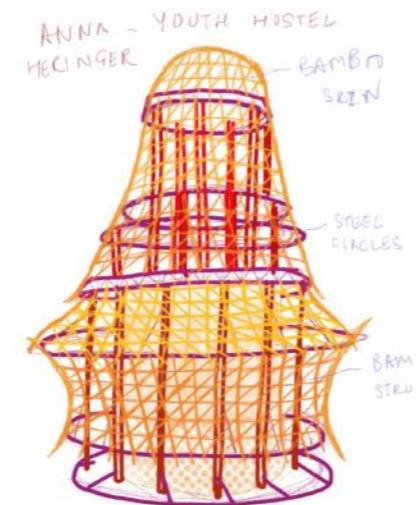


## LEGEND

- work experience
- academic works
- professional works
- personal works



Hakka Indenture Museum  
Lishui, China



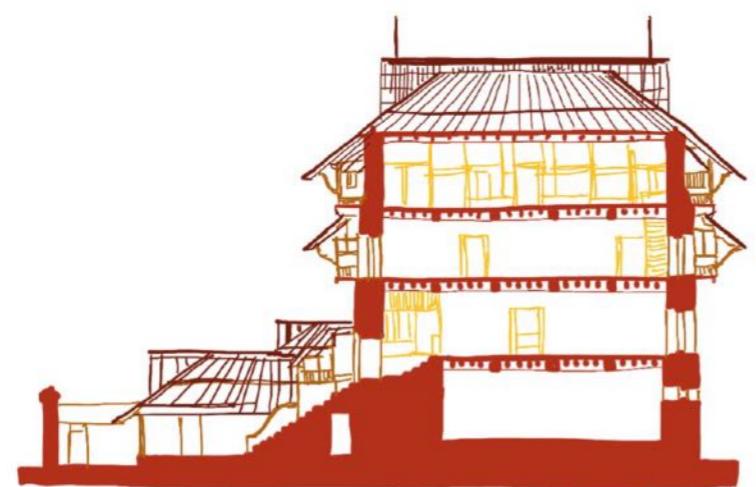
Anna Heringer,  
Youth Hostel



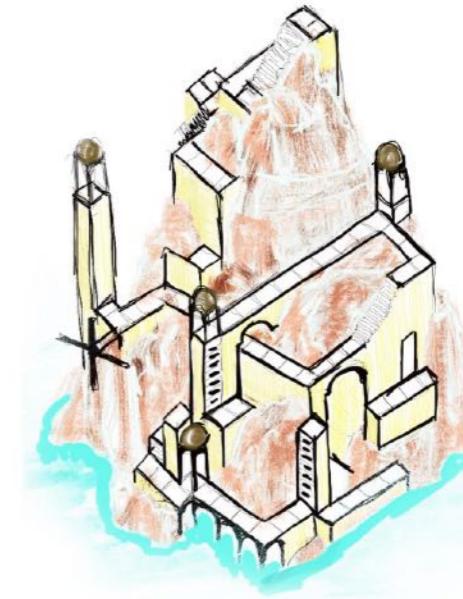
Norman Jaffe,  
Carl Fischer House



## ACADEMIC WORKS



Padmanabhapuram Palace Complex  
India



Monument Valley Game

# DE-INDUSTRIAL REVOLUTION

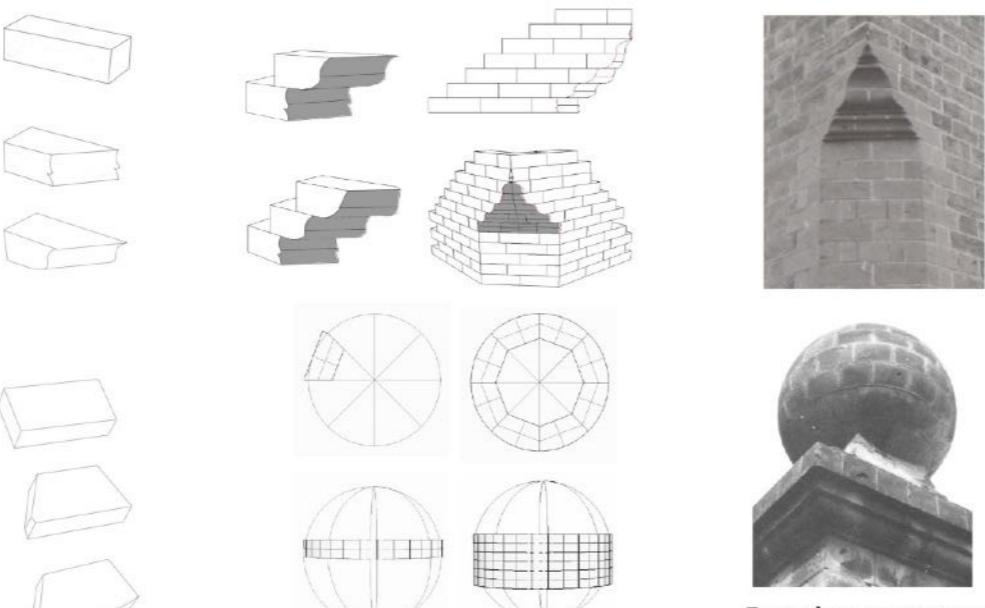
Bulmer Brick Training & Educational Center

2014 / Academic project

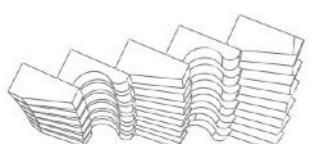
Bulmer, England

Mentor:

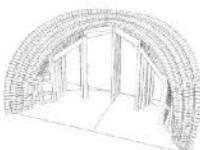
Satoshi Isono



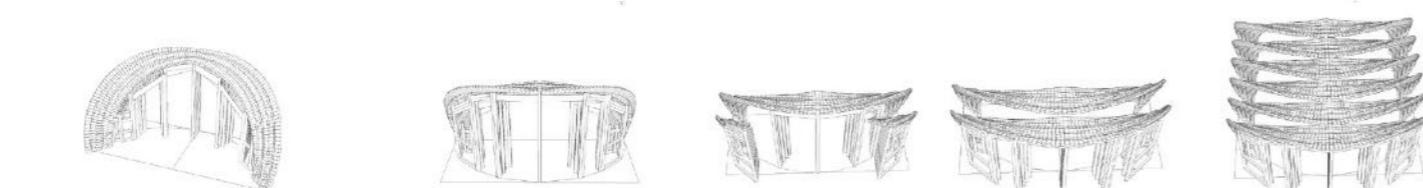
**"technological advances in machinery eg. the robotic arm is used to rethink the dying art of hand-cut traditional hand-cut 'gauged' bricks"**



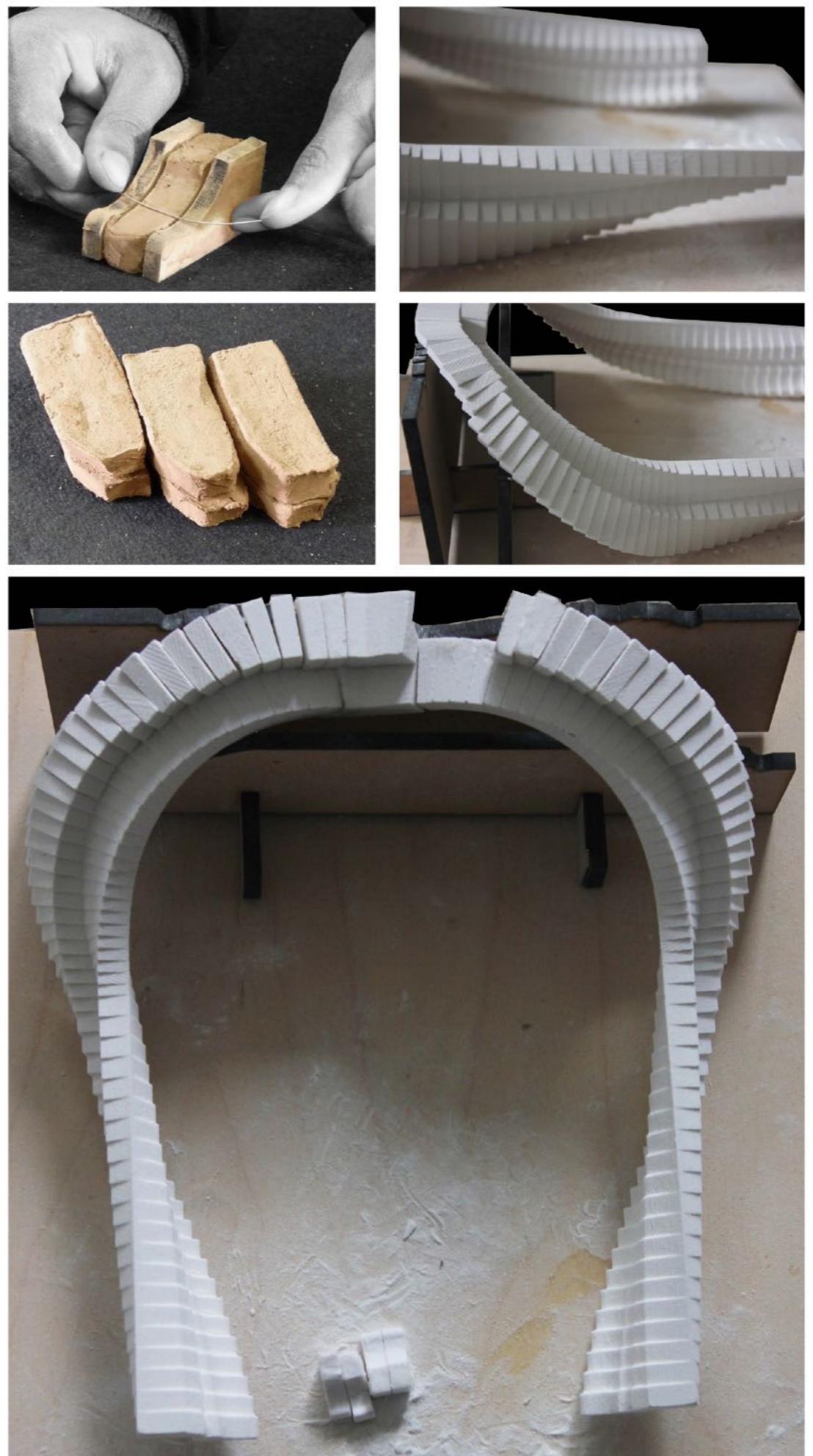
two degree rotated bricks  
robotically assembled arch



creation of space using  
robotic arches



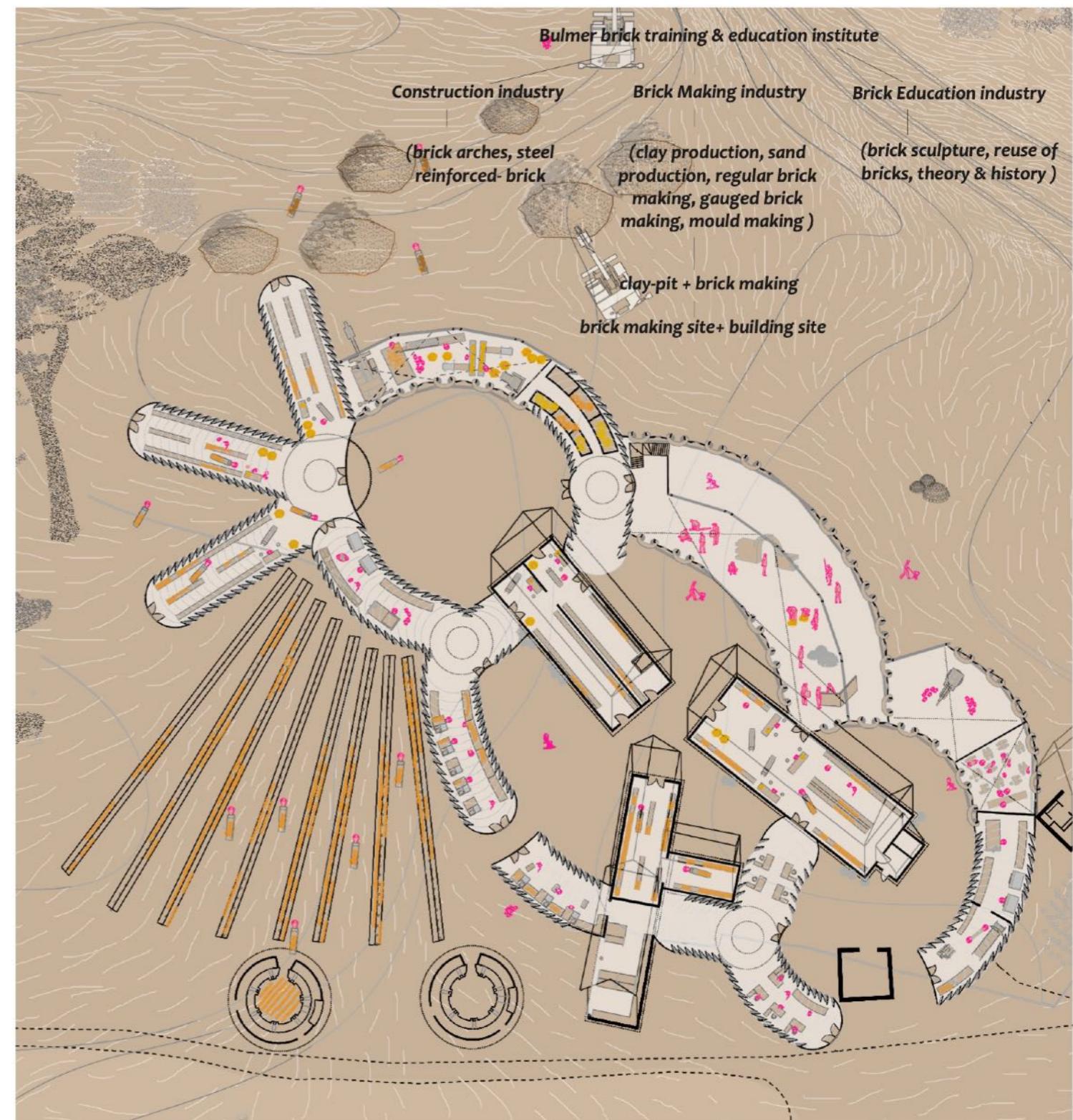
De-Industrial Revolution imagines a future where technological advances in machinery is used to revive the dying art of hand-cut 'gauged' brickwork. This opens up newer possibilities within brick building design. A robotic arm replaces traditional hand-cut gauged brickwork, that enables bricks to be used ornamenteally as well as structurally through which a holistic brick training facility and educational center is presented.

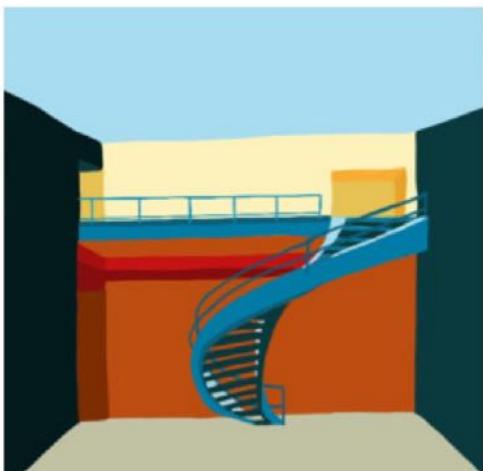




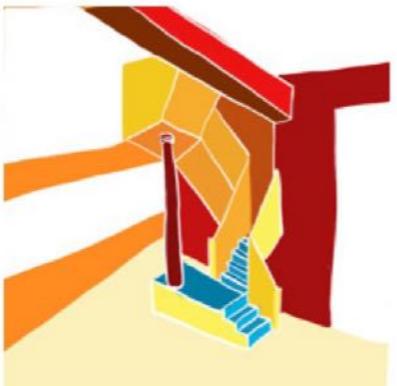
06

Located in a small village of Bulmer, east of London, lies a 150 year old brick making company where clay excavation and brick making take place. Being one of the last makers of gauged bricks around England and to protect the dying art of gauged brickwork manufacturing the project imagines a new educational institute that popularises them. This institute brings together production, manufacturing, training, and construction under a single facility as opposed to bifurcated facilities spread over different sites to promote a cross-pollination of ideas and innovation.





staircase framing a  
courtyard



stand-alone sculptural  
staircase



staircase contrasting  
heavy and light



staircase that frames  
opening



staircase as a bridge

## PERSONAL WORKS



staircase as a wall



staircase as a  
boundary

# UPLIFT

Spaces, Senses, Communities

*"proposal foresees a future where food as well as houses can be grown on site creating a self sustained environment."*

Rhino + Grasshopper+  
VRay+Photoshop



2020/ Competition

The Vine Retreat, Cambodia

Collaboration : Self



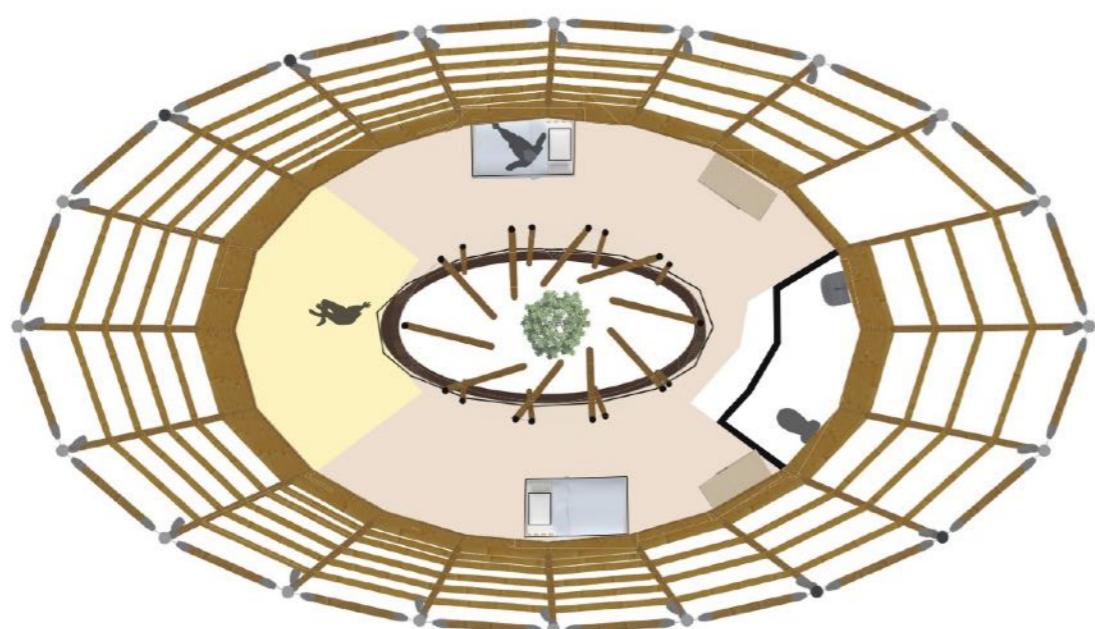
Grasshopper Design Iterations

The Vine Retreat is a stop for urban visitors to come for a rejuvenating, quiet experience and a romantic retreat in search for rural simplicity. Rural based architecture is important to 'uplift' communities as it provides employment and economic growth which is otherwise limited by migration of people from the countryside to the city.

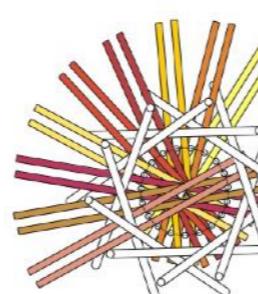
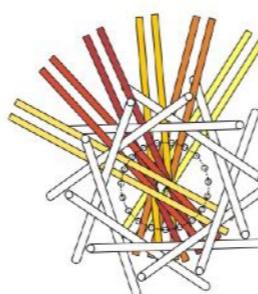
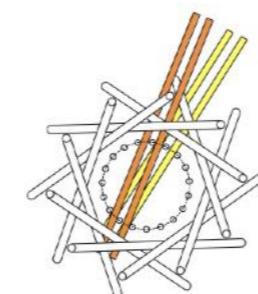
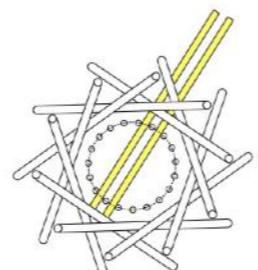
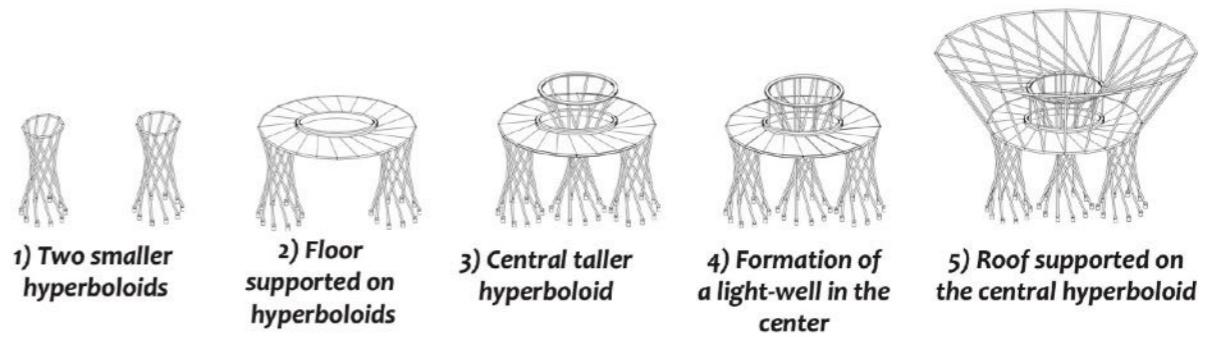




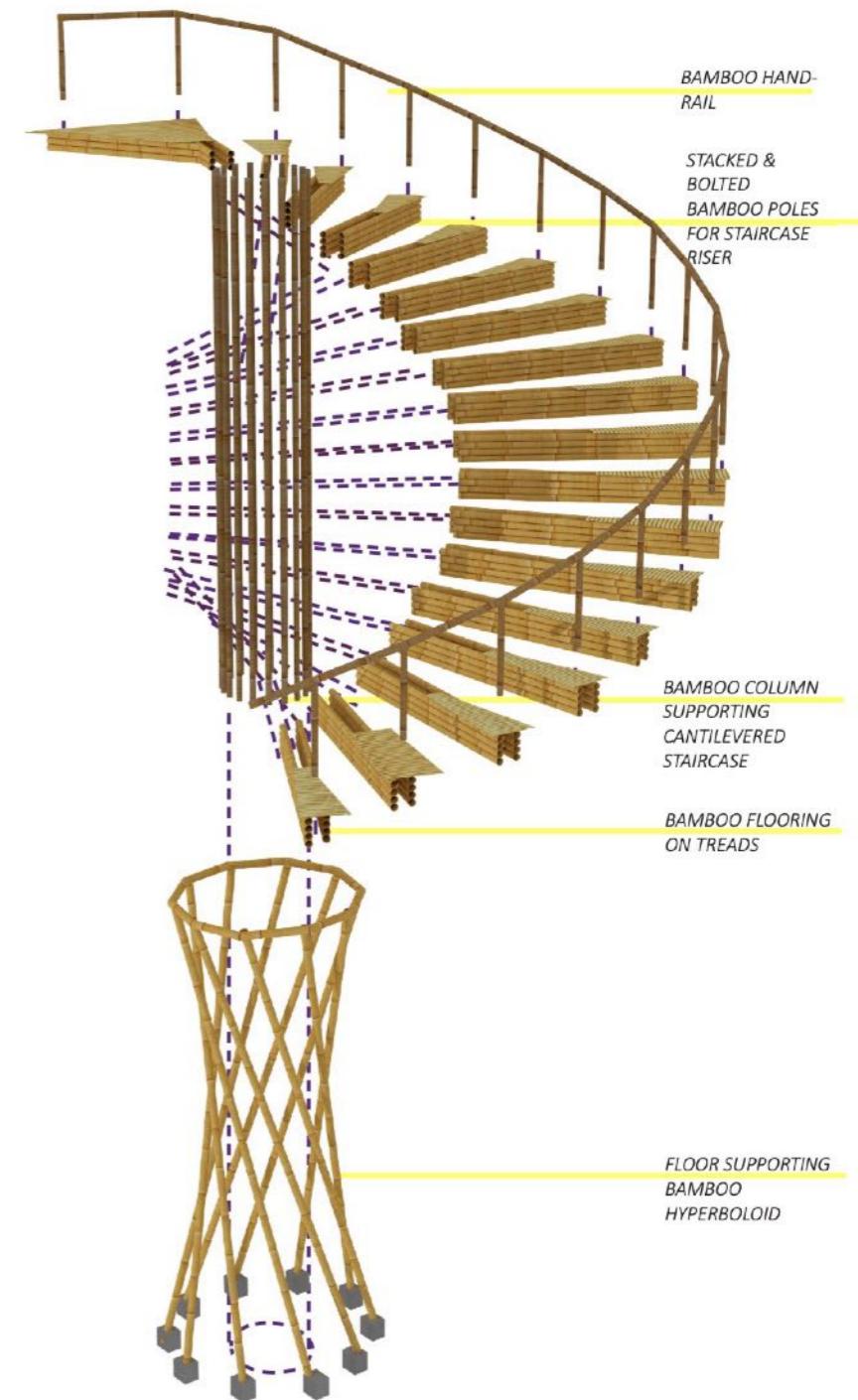
Rhino + VRay+  
AutoCad+ Illustrator



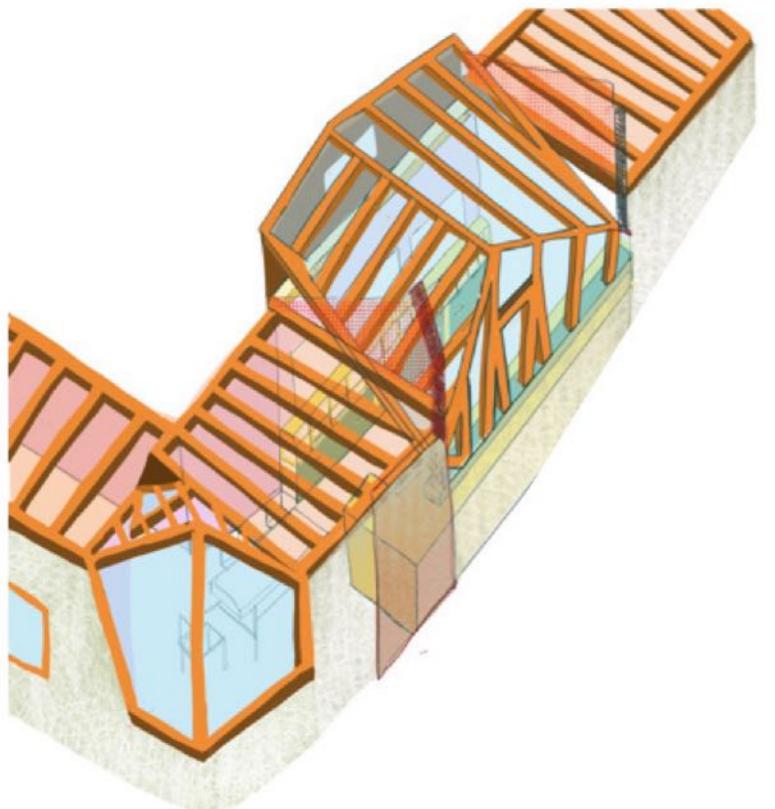
*"nestled above, it becomes a symbol of escapism from the exterior world, an opportunity to look inside by reflecting the simplicity and openness of the surrounding nature "*



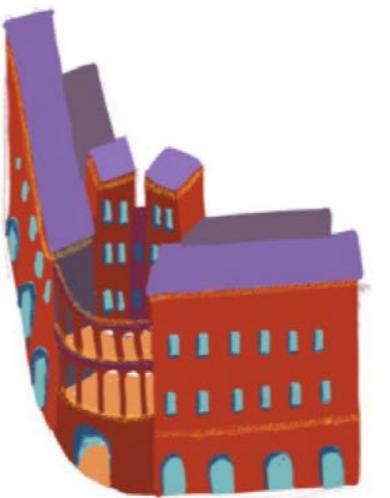
Rhino +  
Grasshopper+ VRay



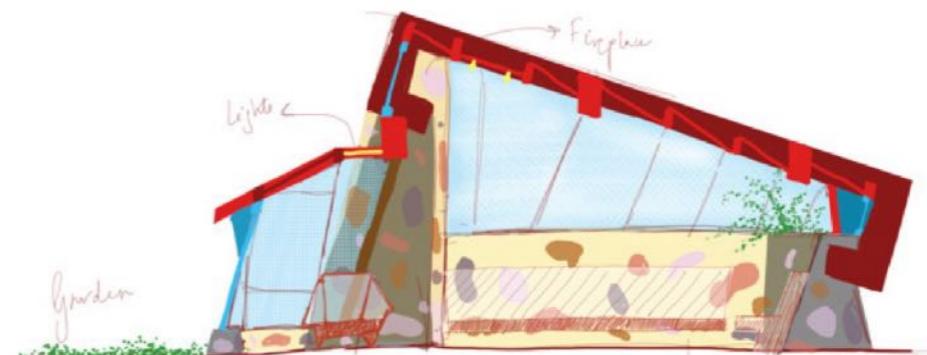
Exploded Axonometric  
for Cantilevered  
Staircase



Gehry House,  
Santa Monica



Beit Beirut Museum  
Existing ruins



Frank Lloyd Wright,  
Taliesin West



Frank Lloyd Wright,  
Taliesin West



Norman Jaffe,  
Perlbinden House

# PROFESSIONAL WORKS



Framework House,  
Atelier Cole

# INCLUSIVE LEARNING

Early Education Center

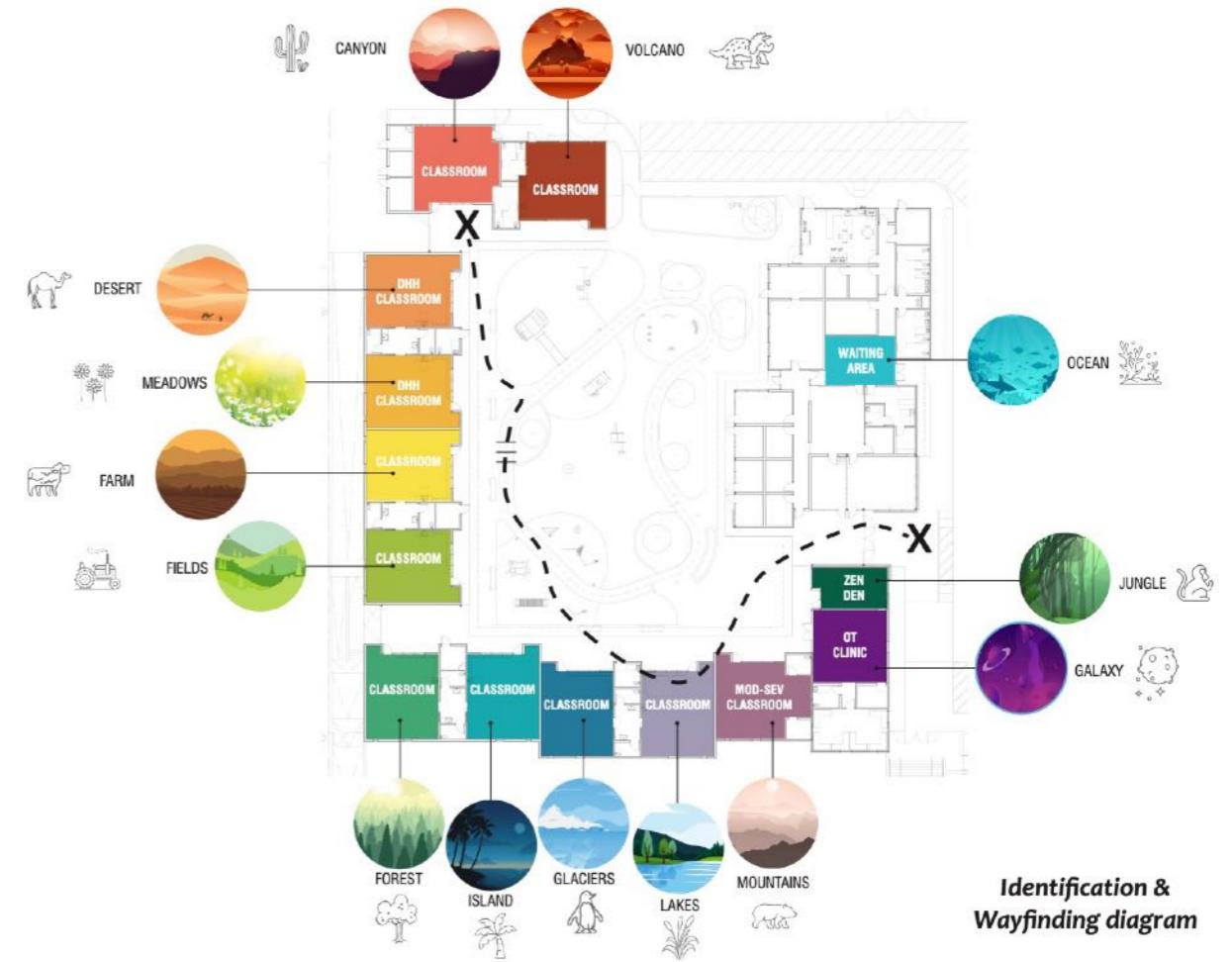
2022-2023 / Professional project

Los Angeles, USA

ARCHITECTURE FOR EDUCATION



Material Board Design

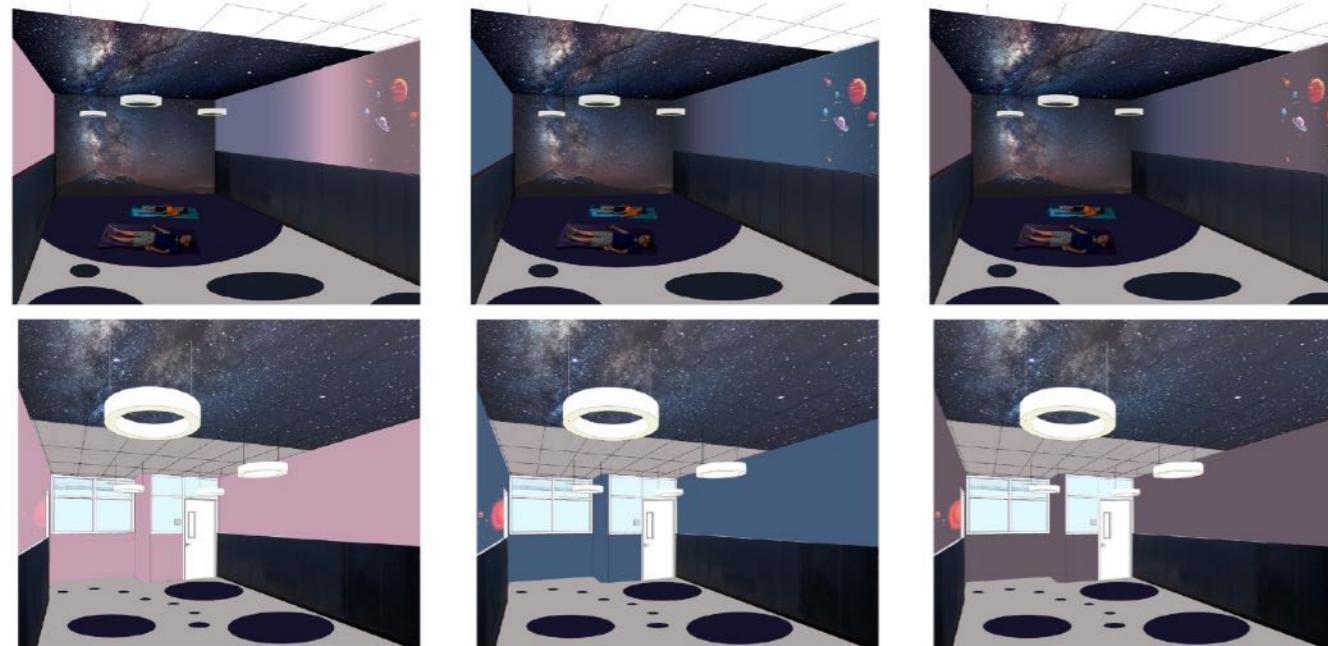


Identification &  
Wayfinding diagram

An Early Education Center with a focus on education for neurodivergent kids was designed in the Alhambra district, replacing an old run down building. This is a simple yet elegant project with thorough detailing on construction documents. Every classroom has a unique color corresponding to a habitat that serves as a way of identification and opportunity for learning. With a limited budget, low cost finishes in vibrant colors were used to give the campus a unique identity.

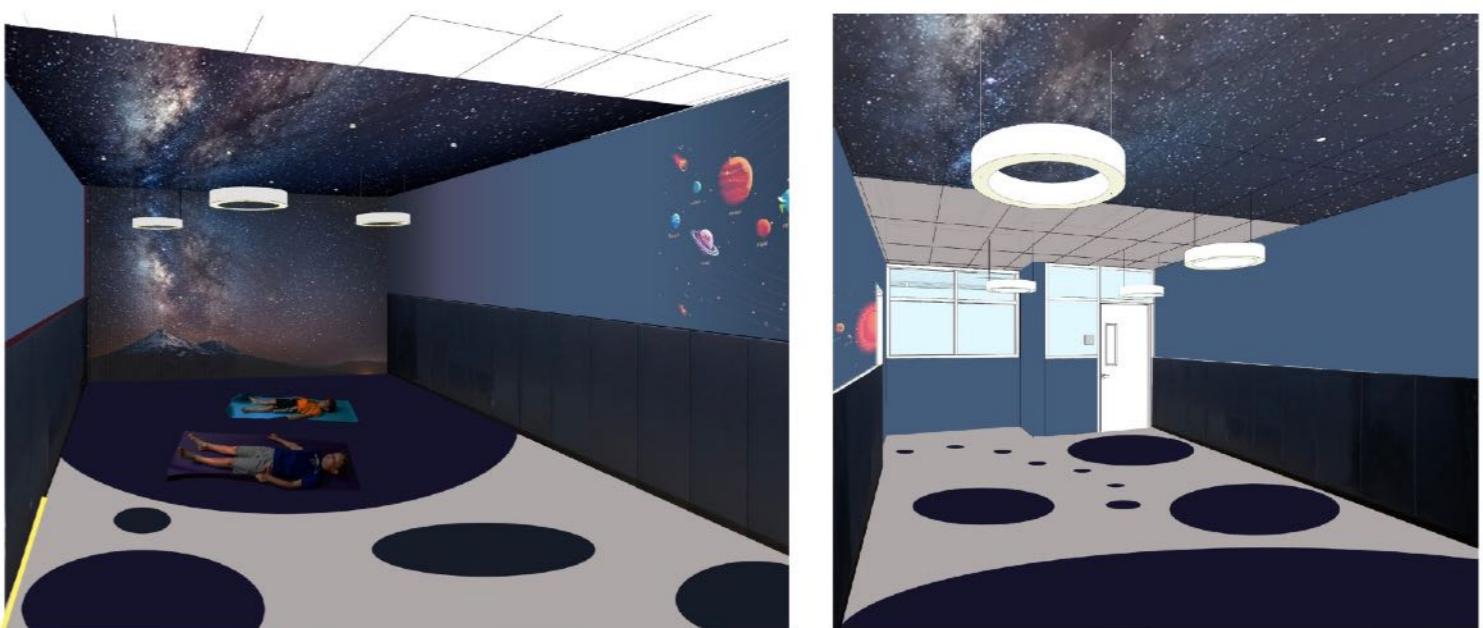


The campus consists of spaces like a "zen den", that help in calming children who have intense emotional moments inside classrooms. The space is designed with soft sensory materials following the theme of a galaxy, encouraging kids to lie down, slow down and think about the night time sky.

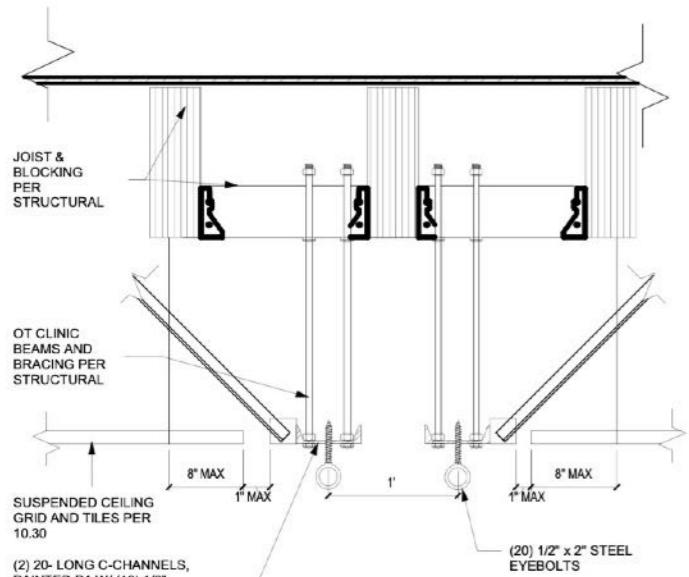


Zen Den color iterations

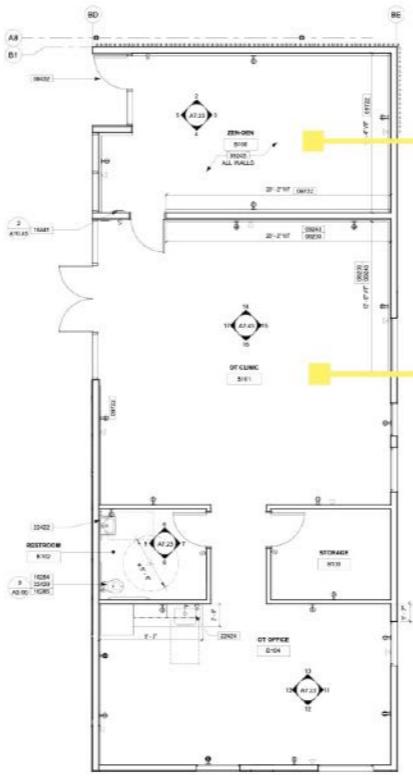
On the opposite spectrum are calming spaces like the "zen den", in the Occupational Therapy (OT) Clinic. It is needed to help stimulate kids and increase their classroom performance by focusing on improving their participation in physical activities.



Zen Den design



CEILING @ OT CLINIC BEAM



Zen Den

OT Clinic



OT Clinic design

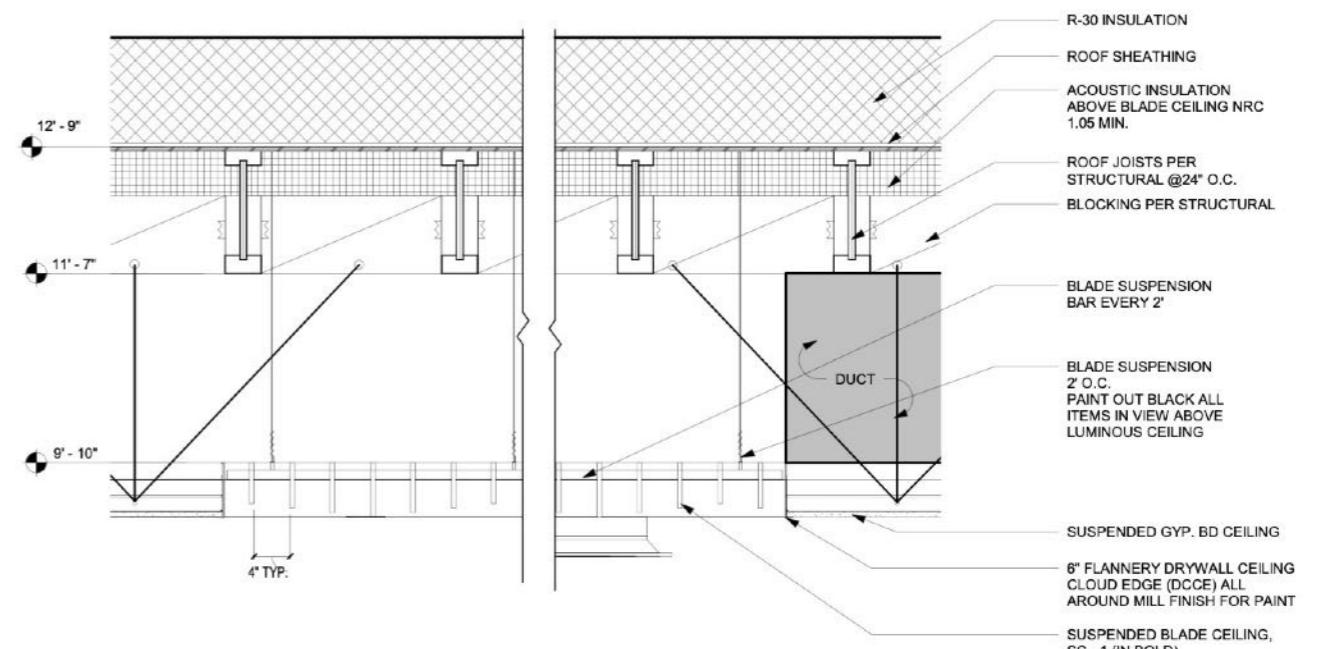
Following the theme of 'oceans', the lobby ceiling is designed to have wave profiled baffles.



Ceiling baffle placement iterations



Ceiling color iterations



LUMINOUS CEILING SECTION

# REVITALIZING SPACES

Project Based Learning Hub

2023-ongoing / Professional project

Los Angeles, USA

ARCHITECTURE FOR EDUCATION

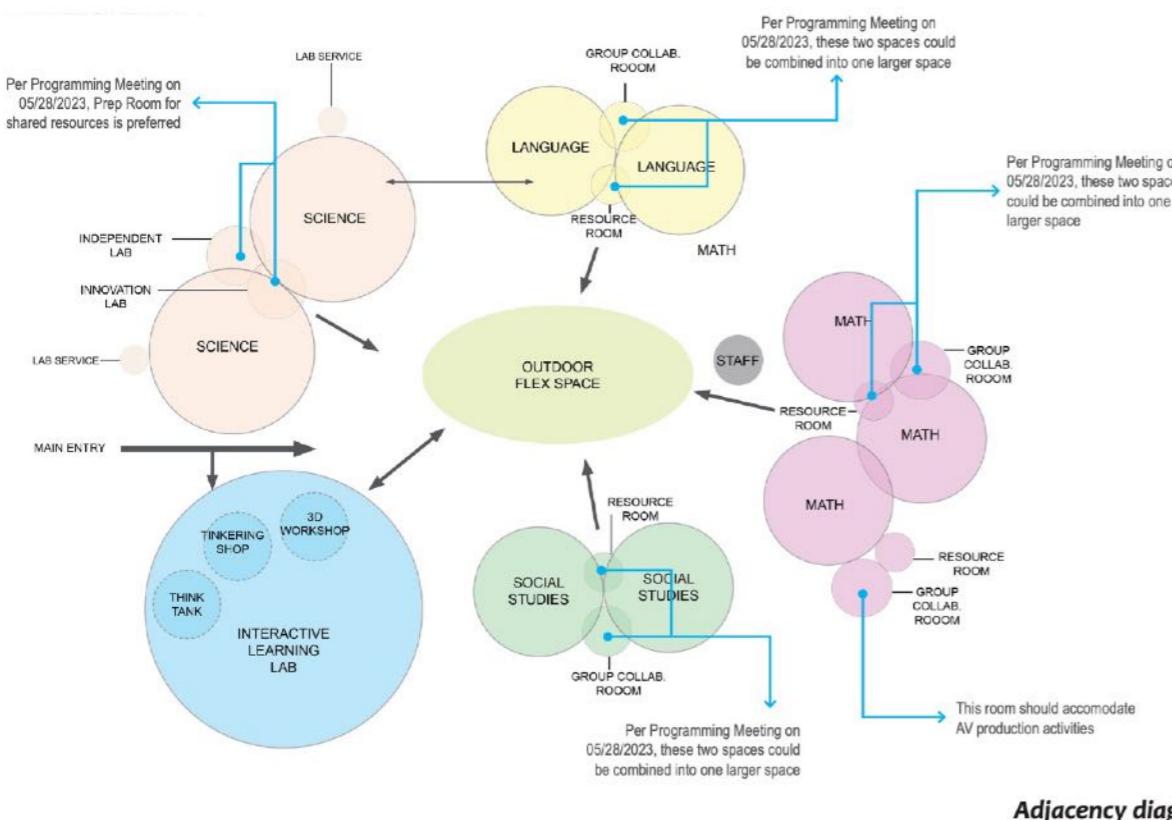
This project aims to revitalize a Middle School Building, transforming it into an 8th Grade hub that embodies the educational goals and aspirations outlined in the District's Educational Specifications document, as well as incorporating teacher/student needs, gathered through extensive stakeholder engagement process.

| IDENTIFIER              | NUMBER OF STUDENTS | SQUARE FOOTAGE | LEARNING MODALITIES  | NOTES   | DIAGRAM |
|-------------------------|--------------------|----------------|--|---|---------|
| FORUM                   | 25-50 Students     | 1600sf         | Storytelling<br>Large Group<br>Seminar/Discussion                | Team Teaching<br>Guest Lecture<br>Tiered, Fixed Seating<br>Large Format Presentation                              |         |
| WORKSHOP SPACE          | 25-50 Students     | 1400-1600sf    | Project Based<br>Technology Based<br>Large Group<br>Small Group  | Student Stations/Tables<br>Group Technology<br>Flexible Power<br>Mobile Workstations<br>Shared Supplies/Materials |         |
| COMMUNITY SPACES        | 25-50 Students     | 1600sf         | Small Group<br>Storytelling<br>Seminar/Discussion<br>Large Group | Some Fixed Tier Seats<br>Large Format Presentation<br>Mobile Workstations<br>Shared Supplies/Materials            |         |
| FLEX SPACES             | 15-20 Students     | 600-800sf      | Individual<br>Peer to Peer<br>Small Group                        | Group Technology<br>Demonstration Area<br>Teaching Walls<br>Acoustically Open                                     |         |
| GROUP STUDY SPACES      | 4-6 Students       | 120-150sf      | Peer to Peer<br>Small Group                                      | Think Tank<br>Group Workstations<br>Group Technology<br>Teaching Walls<br>Acoustically Separated                  |         |
| INDIVIDUAL STUDY SPACES | 1 Student          | N/A            | Individual   | Breakout Spaces<br>Acoustically Separated   |         |

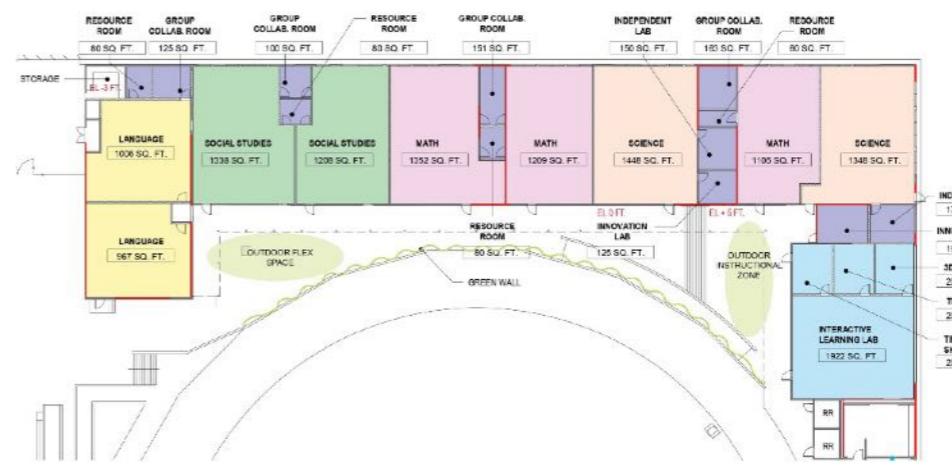
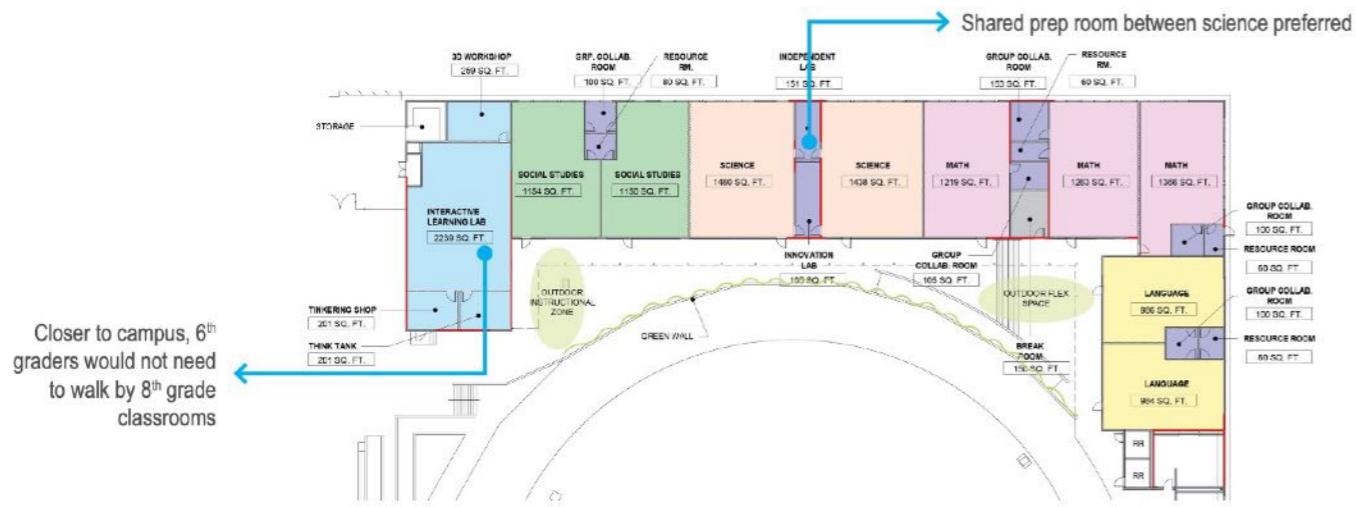
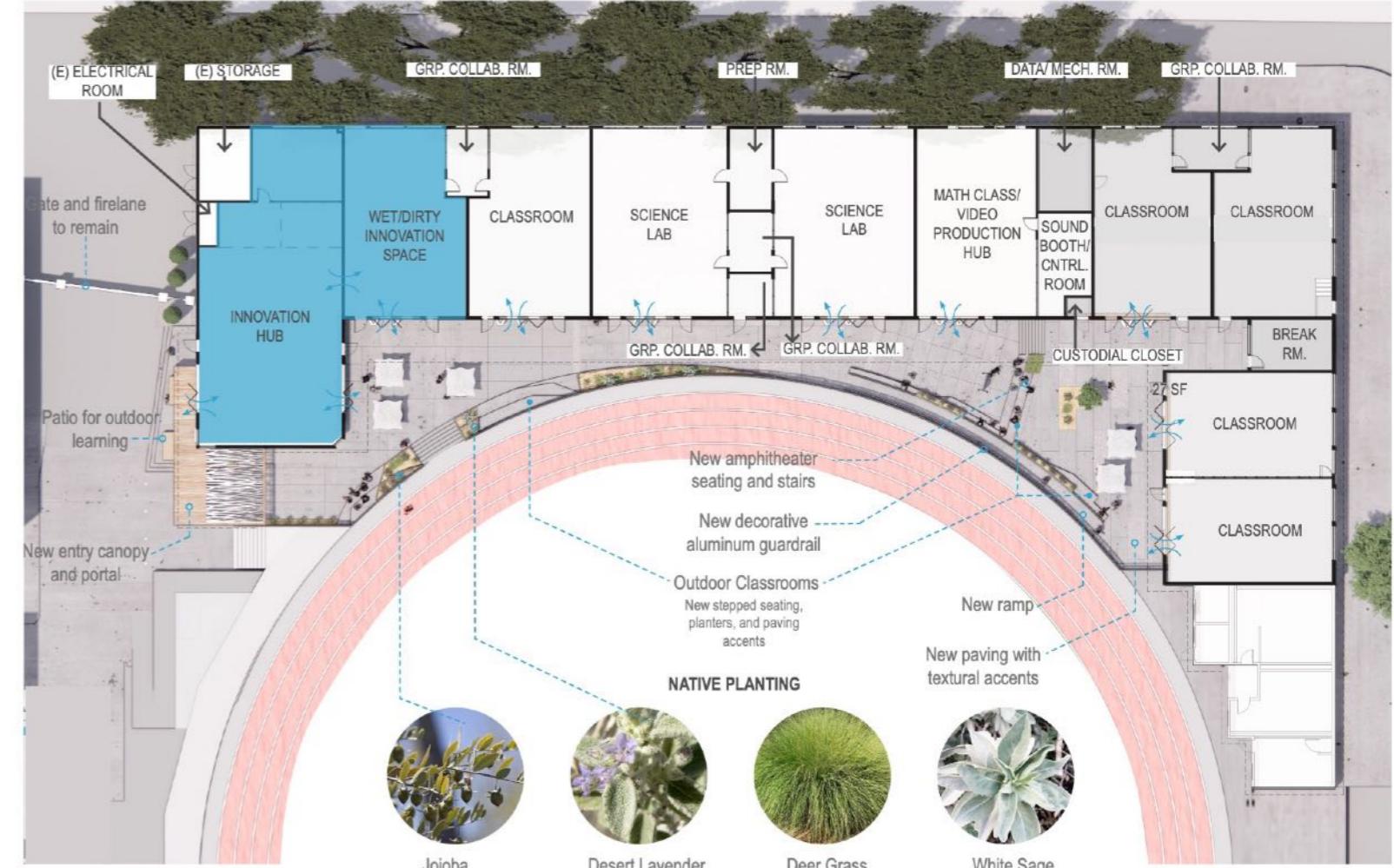


VISUAL CONNECTIONS PHYSICAL CONNECTIONS VISTAS OUTDOOR FLEX SPACES





The revitalization process for the Building would include reconfiguration of classrooms, expanding their size to fit the recommendations made in the Educational Specs. and aims to provide a safe, pedagogically nimble, technologically advanced and state-of-the-art facility for students and educators.



The interior layout of the Innovation Hub was based on the 5 stage design thinking process :

*Empathizing - Researching needs and Gaining understanding*

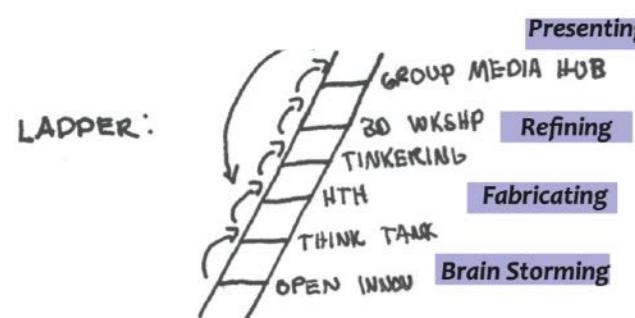
*Defining - Organize and analyze finding, Defining the problem/ challenge*

*Ideating - Generating Solutions, Innovating, Testing, Repeat*

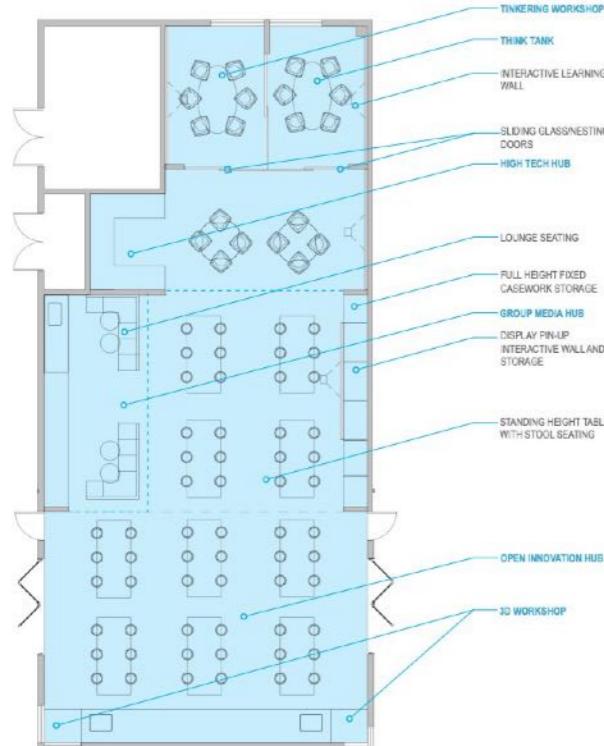
*Prototyping - Creating simple mockups, testing, refining*

*Testing (& Presenting) - Real product, refinement, sharing*

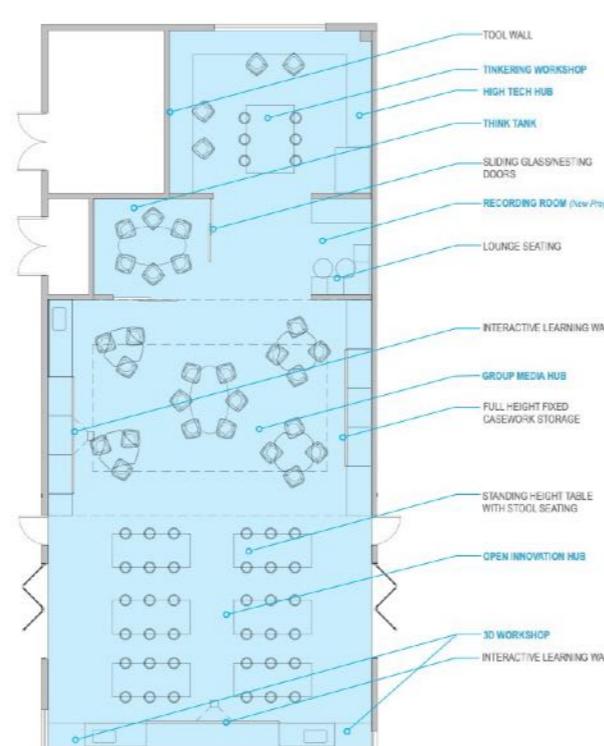
Using this approach, the open collaboration labs are placed closer to the courtyard while the tinkering & making workshops are placed deeper within the building.



Innovation Hub concept



Ed Spec recommendations



# THEORIZING EDUCATION

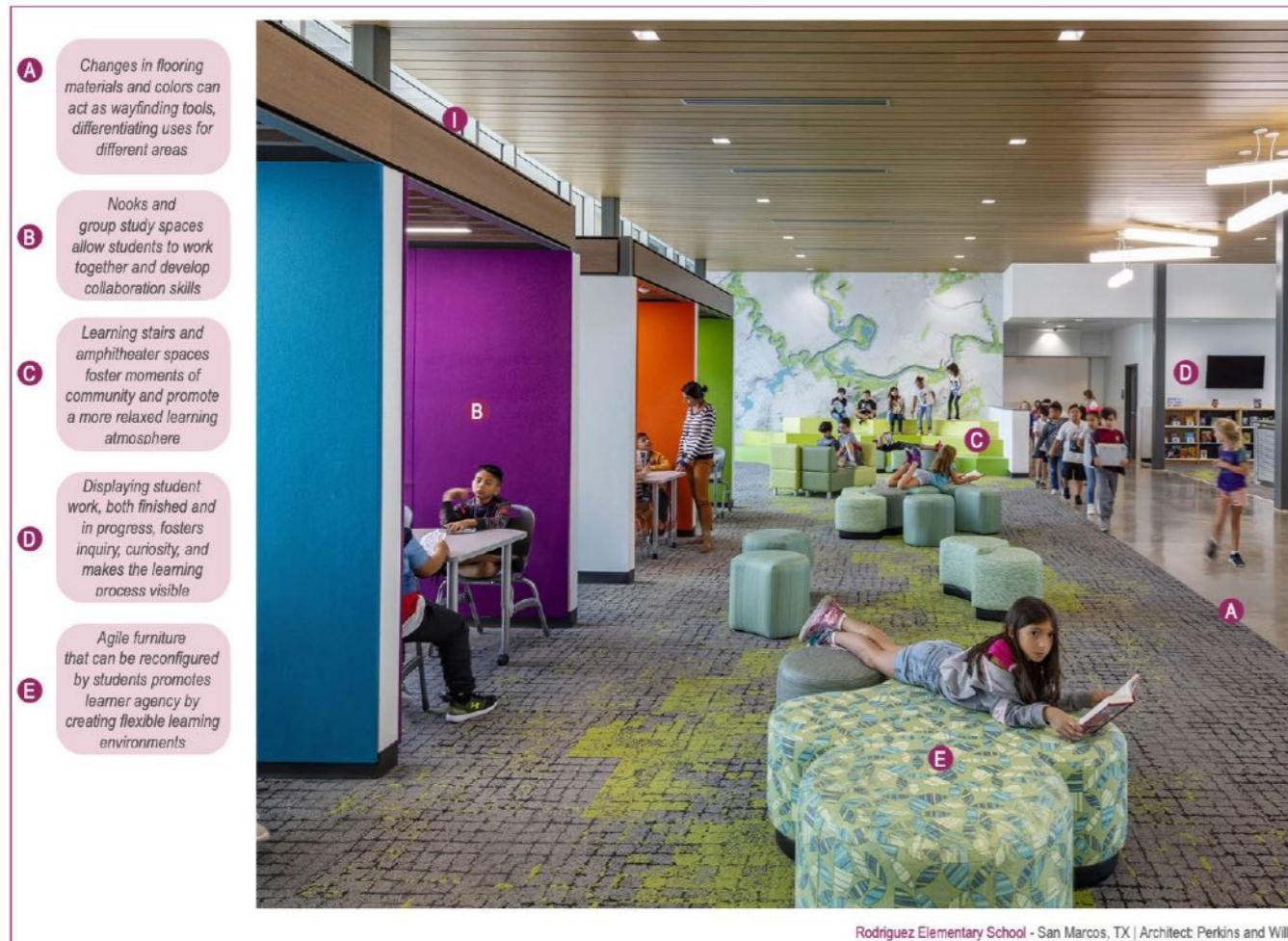
Educational Specifications

2023-ongoing / Professional project

Los Angeles, USA

ARCHITECTURE FOR EDUCATION

For the creation of The Educational Specifications document for a district, the project entailed holding workshops and activities to understand the needs of students and teachers. The second step consisted of researching existing ed specs and transferring information from an older set to a newer graphic version, aiming to inspire and educate the district faculty.



## STAKEHOLDER ENGAGEMENT

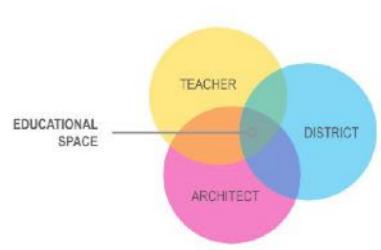
### ACTIVITY 1 GINGERBREAD PEOPLE: LEARNING ABOUT LEUSD LEARNERS

This activity asked Students and Faculty to think about the individuals that make up their School community, and what these individuals need in their environment to be successful. Participants filled out the inside of a gingerbread person by describing who the Students at their school are (for example risk takers, creative, etc.) and what they need to be successful. Participants also identified environmental attributes that Students need to be successful (such as bright colors, natural light, outdoor classrooms, spaces for mental health, etc.). Participants were then asked to review the person they described, and select the three most important environmental attributes they came up with to identify key needs at their specific School sites.



## LEARNING MODALITIES

**Learning modalities** are the different learning experiences teachers use to facilitate individual or multiple-sized group activities in student-centered learning environments.



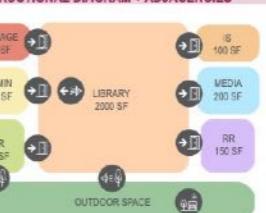
### PROGRAM DESCRIPTOR + TARGET GRADES

Library  
1st-5th Grade

### RECOMMENDED AREAS

|                                  |                 |
|----------------------------------|-----------------|
| Library                          | 2000 sf         |
| Instructional Support (IS)       | 100 sf          |
| Storage                          | 100 sf          |
| Administration (ADMIN)           | 150 sf          |
| Teacher Collaboration Room (TCR) | 150 sf          |
| Media                            | 200 sf          |
| Restroom (RR)                    | 150 sf          |
| Outdoor Spaces                   | N/A             |
| <b>TOTAL</b>                     | <b>2,850 sf</b> |

### INSTRUCTIONAL DIAGRAM + ADJACENCIES



### FINISHES

- Resilient flooring and carpets
- Acoustic ceiling tile
- Writable & lockable wall surfaces
- Acoustical wall panels
- Tall storage cabinets for admin areas
- Low shelving for book storage and display

### TECHNOLOGY AND EQUIPMENT

- Telephone, VoIP,
- Printer & Copy machine
- Computer stations
- Duo & 3D printers at reading nooks
- Wireless connectivity throughout with band width for one-to-one ratio
- Interactive large-scale screens or a 42-inch monitor
- Indirect lighting

### ACTIVITIES



### SAFETY AND SECURITY

- Designing
- Indirect LED light fixtures
- Installation of Bio-Pose+Change Material above ceiling grid
- Connection to curriculum (visual display, sustainability features labeled, etc.)
- Low VOC-emitting materials
- Locally sourced, durable, low-maintenance materials

### ADDED VALUE

- Visual connections to the outdoors
- Use of agile furniture to maximize student agency

# SAFETY & SECURITY

## Perimeter Fencing

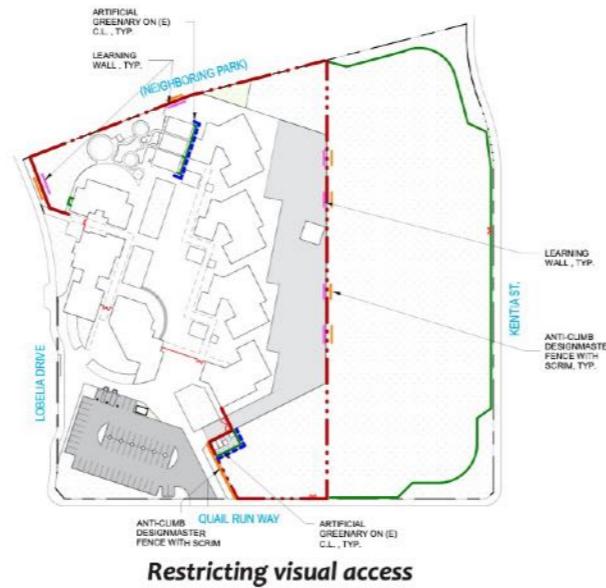
2023-ongoing / Professional project

Los Angeles, USA

ARCHITECTURE FOR EDUCATION



**Restricting physical access**



**Restricting visual access**

**Custom printed student artwork on fence screens**



The extra focus on safety and security in schools has led districts into investing in fencing additions & renovation around numerous schools. By actively participating in the safety debate, these projects examine different types of barriers to ensure schools don't start resembling prisons in an effort to increase security for campuses.



| Fence Types                               | Opacity   | Aesthetic Value | Safety Benefit                              | Safety Score |
|---|-----------|-----------------|---|--------------|
| <b>DesignMaster Classic</b>               | 20%       | 3               | Reduced Trespassing                         | 3            |
| <b>Chainlink Mini Mesh (6'-0")</b>        | 5%        | 1               | Reduced Trespassing                         | 3            |
| <b>Printed Scrim Screens</b>              | 75% - 80% | 2               | Reduced Visibility, Educational Opportunity | 4            |
| <b>Artificial Plant Wall</b>              | 100%      | 4               | No Visibility, Frontage Greenery            | 3.5          |
| <b>Privacy Slat Mesh (6'-0")</b>          | 85% - 90% | 2               | Reduced Visibility                          | 3            |
| <b>Custom Learning Wall</b>               | 100%      | 4               | No Visibility, Educational Opportunity      | 3.5          |
| <b>Access Control Fence with Planters</b> | 85% - 90% | 4               | Reduced Visibility, Frontage Greenery       | 4            |
| <b>Gabion Fence (6'-0")</b>               | 100%      | 4               | No Visibility, Educational Opportunity      | 3.5          |

While being a small scale fencing project, to add an element of creativity, discussions were held with school Principals and teachers to print student art projects for fence screens. Multiple artworks were collated into design templates displaying school motto, logos and also incorporating mascots making it a branding opportunity for schools.

# REMODELING FUTURE

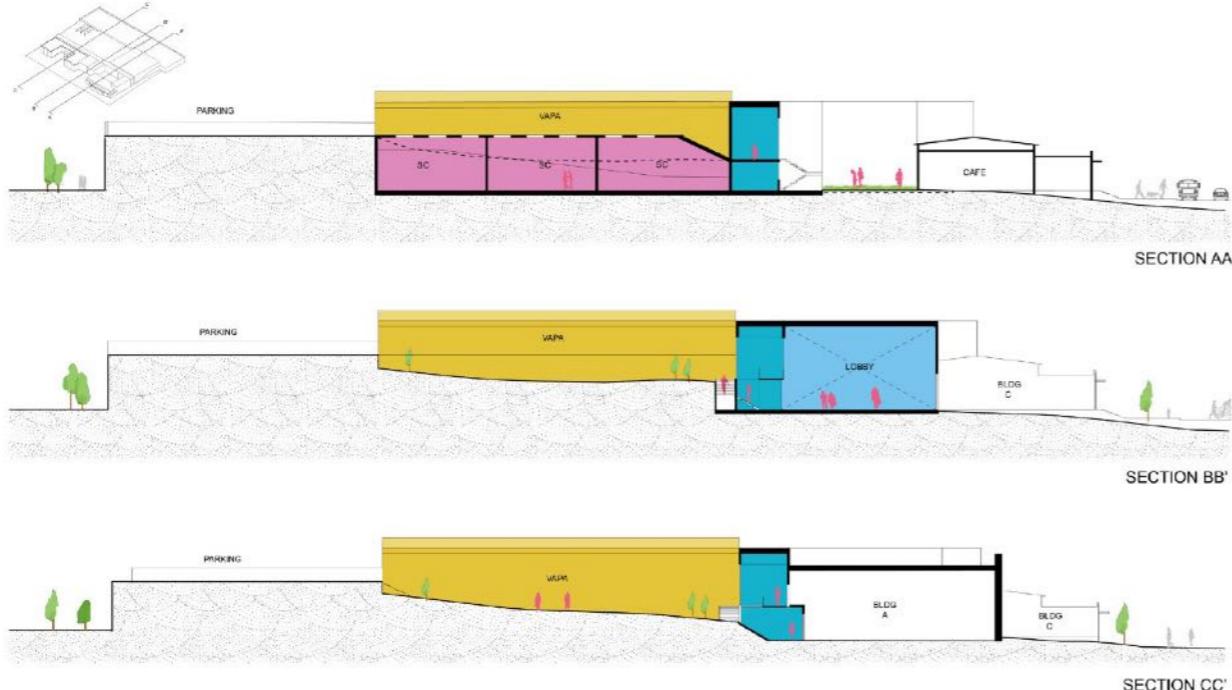
Educational Masterplans

**"piecemeal extensions of public schools over many years and thus lack a sense of organizational coherence and do not have enough facilities "**

2019-20 / Professional project

Los Angeles, USA

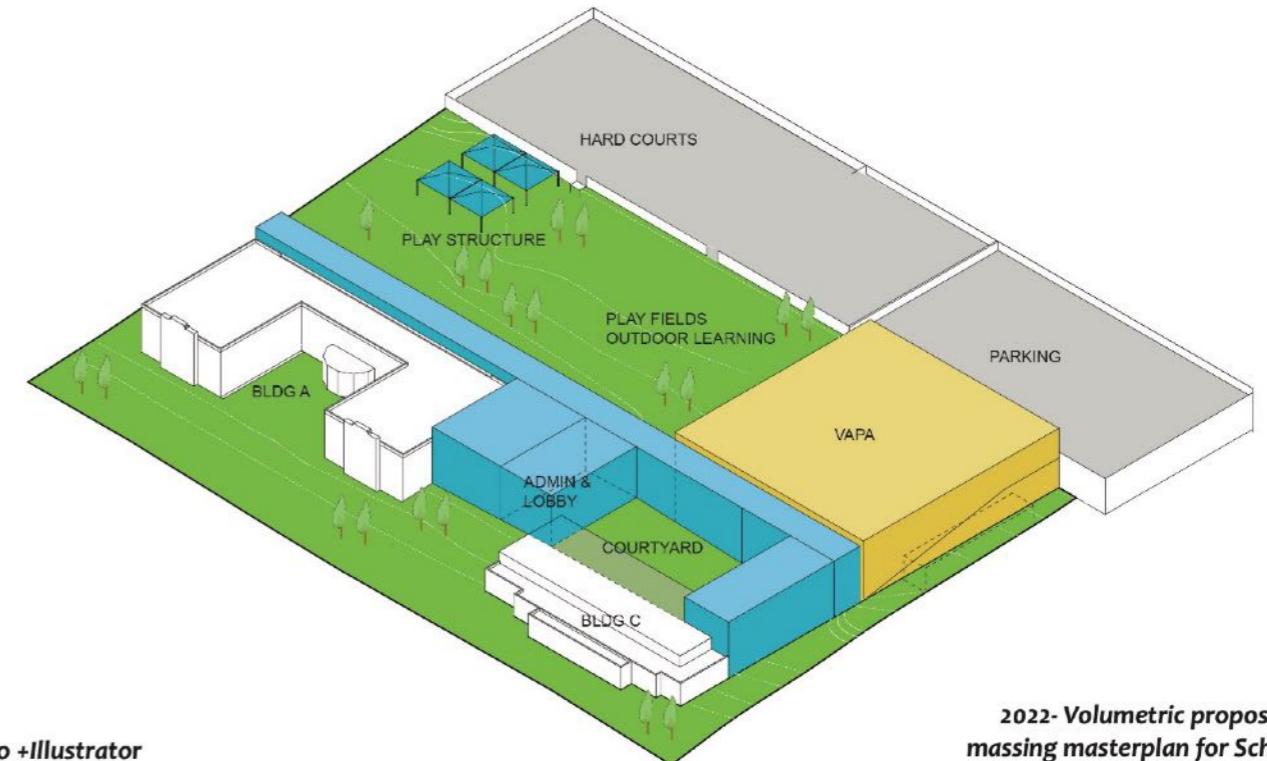
Collaboration: SwiftLee Office



AutoCad +Illustrator

The project revolves around future planning of educational spaces within Public Schools in a bid to increase their popularity and competence over private schools or charter schools. The Public schools are often piecemeal extensions over many years and thus lack a sense of organizational coherence and do not have enough facilities to attract students of all backgrounds. The masterplanning exercises try to overturn this by giving building coherence to the schools and introducing spaces where free learning and flexible spaces can be made possible.

Chronological introduction of buildings to campus

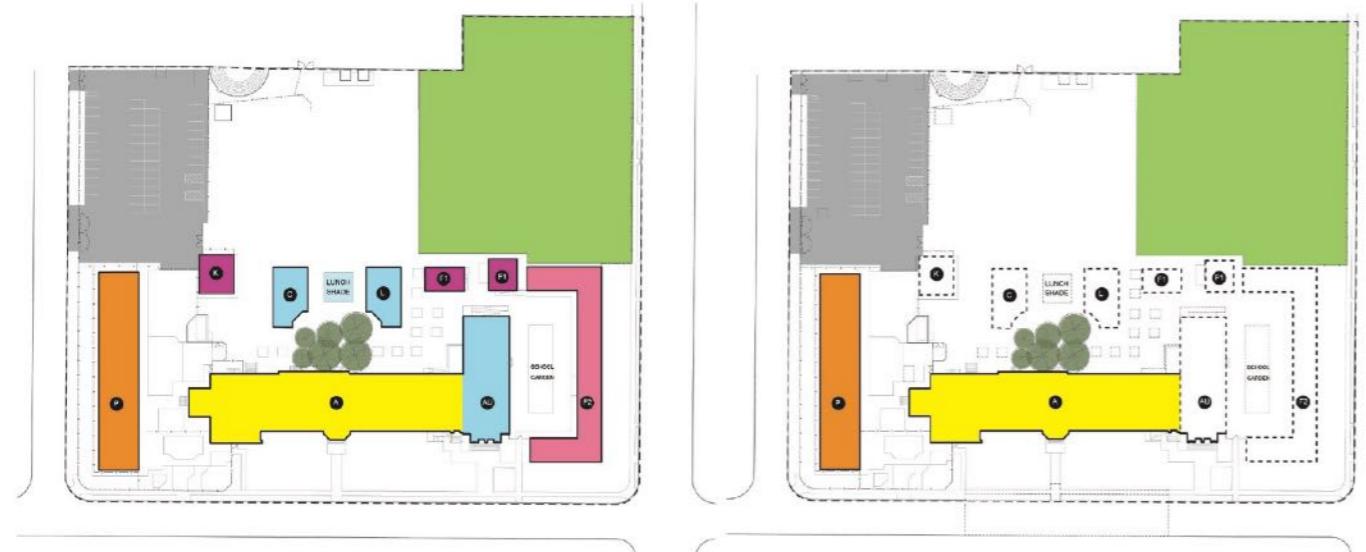


2022- Volumetric proposed massing masterplan for School A

Rhino +Illustrator



AutoCad+Illustrator



Among the series of masterplanning exercise, the existing context is thoroughly investigated to understand the site and its limitations. Staff, principle meetings, site documentation with various consultants helped provide a complete picture for the schools drawbacks and advantages.



School B : The project rethinks-vehicular and pedestrian movement, special learning classrooms versus regular fixed classes, public and private entrances, administrative versus student zones, soft and hard landscapes, etc to create diverse, learning environment .

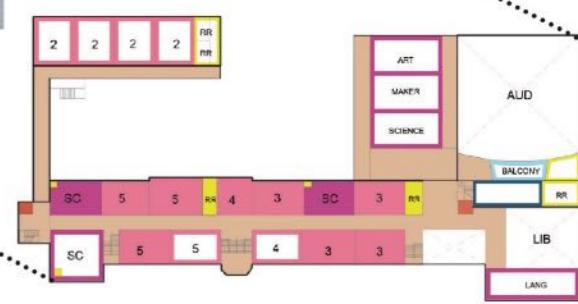


## **Existing programming Distribution**



## **Proposed programmatic Distribution**

*“vehicular & pedestrian movement, special learning classrooms vs regular fixed classes, public & private entrances, administrative vs student zones, soft & hard landscapes”*



# IN-BETWEEN SPACES

Veteran Housing

2019 / Professional project

Los Angeles, USA

Collaboration: Swift Lee Office

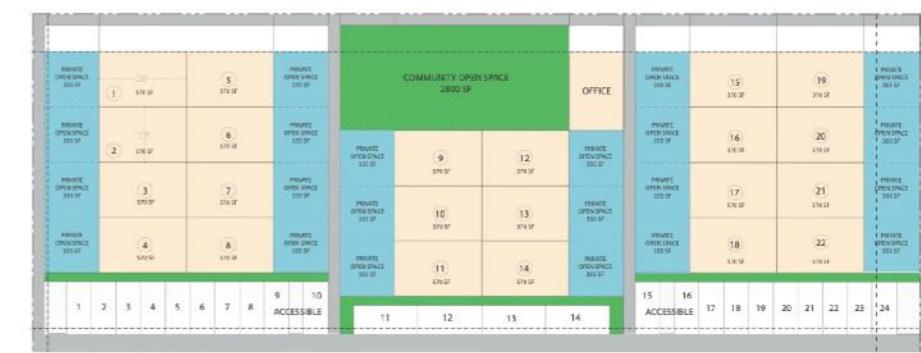


The development is conceived with the need to provide low-income housing for veterans living in LA. The housing project aims to use repeatable ADU modules to provide private living spaces as well as open community areas to create a safe balanced living for veterans of all ages and backgrounds.

A horizontal path cuts right across the housing blocks which takes one through shared courtyards pushing people to meet neighbours. The vertical pathways divide the housing into three distinctive blocks with an office located in the first block, close to the main street.



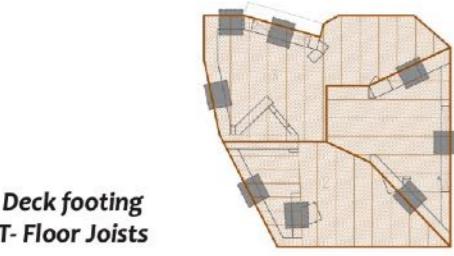
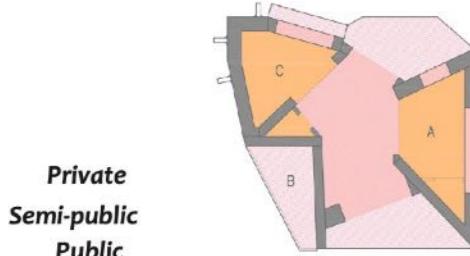
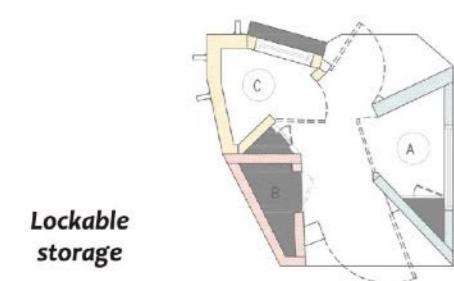
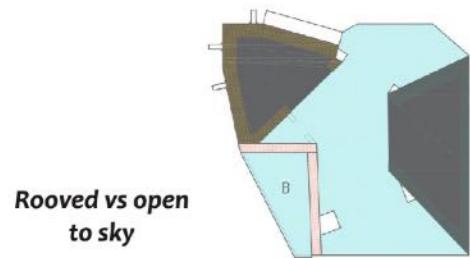
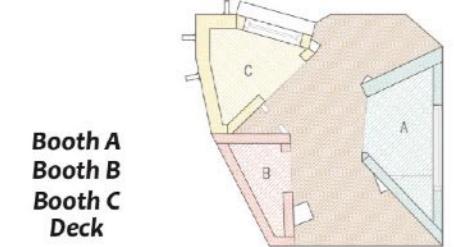
Regularly spaced,  
repeatable ADU  
modules



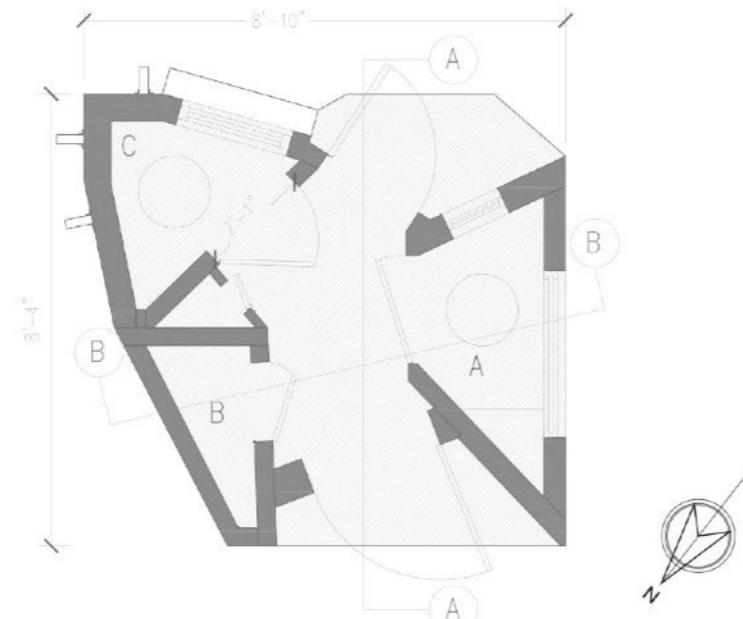
Dynamically  
spaced, repeatable  
ADU modules



# JAM SESSION



Socrates Sculpture Park Kiosk



2019 / Professional Competition entry

New York, USA

Collaboration:

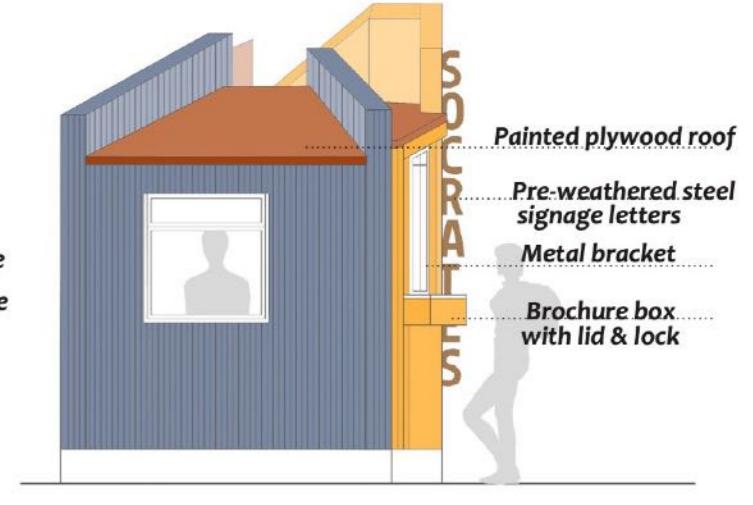
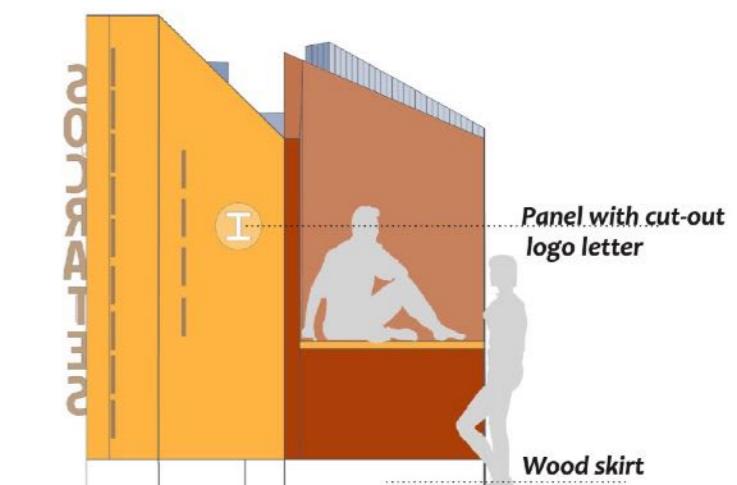
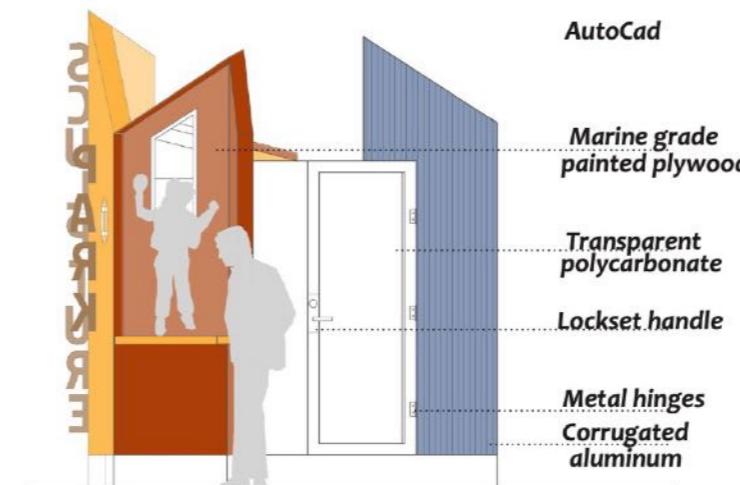
Valerie Schweitzer Architects

*Jam Session: Socrates Sculpture Park Kiosk* celebrates the industrial context of Socrates Sculpture Park. It furthers its mission to provide a shared social venue for unusual artistic expression.

The sculptural dimension of the kiosk, with bold geometric forms and raw materials, announces the park as a place for leisure and fun artistic happenings. The kiosk with its openings and niches promotes engagement as an object that can also then be inhabited.



Rhino+VRay+  
Photoshop





**THANK YOU**

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