Grant Koniski

2025 - Present | Senior Project Architect
GilanFarr Architecture
Incline Village, NV, Tahoe Basin

2018 - 2025 | Senior Architect / Project Manager
Costa Brown Architecture
San Francisco, CA

2022 | Licensed Architect & NCARB
California - C 39830

2020 | M Arch
University of Cincinnati
Cincinnati, OH

2018 | Architectural Co-op
Anderson Mason Dale Architects
Denver, CO

2017 | BS Arch
Temple University
Philadelphia, PA

2016 | Architectural Intern
BluPath Design: Passive House
Philadelphia, PA

2015 | Architectural Intern
Woodcock Design Inc.
Philadelphia, PA

contents - professional

Brief Biography

Website **Resume**

Creative & driven licensed architect & abstract artist with over 10 years of professional experience in architecture. Confident with autonomously managing projects & teams of all sizes. Led diverse architectural projects from concept to completion. Expertise in high-end residential, commercial, & public architecture with a proven ability to manage complex teams of consultants/engineers, deliver client-focused solutions, & ensure compliance with challenging regulatory environments. Passionate about problem solving, contemporary design, lighting design, design narratives & motifs, architectural details, sustainable design, interior design, product research/specifications, & making clients' dreams a reality.

My free time is spent bolstering human connection through hosting yoga & mindfulness retreats & classes with my wife; as well as managing my 4.44 acres & off grid home. Depending on the weekend project I'm either a plumber, electrician, carpenter, mechanic, or landscaper. Lifelong learner & DIY enthusiast who enjoys understanding how the built world functions. I also spend my time cycling, snowboarding, painting, reading, & playing guitar, drums & bass.

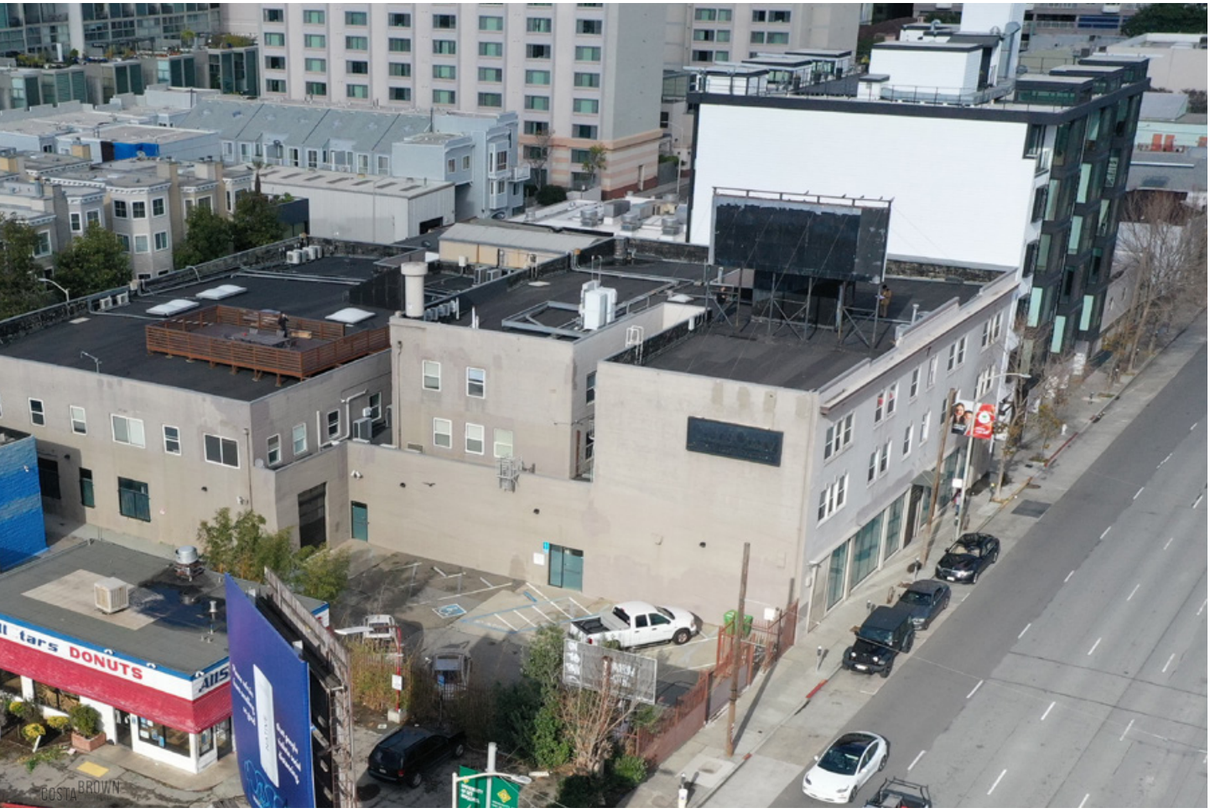
contents - academic

‘Illuminated Metal Waterfall’

$1.5 M Exterior & Interior Remodel / Renovation & New Courtyard - 880 Harrison St. San Francisco, CA

Role: Primary Architect, Project Manager, Lighting Designer, & Interior Designer
Scope: Remodel of exterior & lobby spaces, courtyard, illumination architectural features around building.
Collaborators: Albert Costa, Ashley & Vance Engineering, Terry Walls Construction, Home Shot Photos
Responsibilities: Led the project from concept to completion; SD, DD, Permitting, CD, Bidding, CA
Design Challenges: An existing parking lot needed to also function as a usable outdoor space, reflecting the changing needs of office environments. The building’s exterior was in dire need of a contemporary upgrade.

Solutions & Outcomes:
We used pavers & landscaping to subtly delineate parking spaces, creating a courtyard-like atmosphere without relying on jarring striping. To emphasize the courtyard, we designed an origami-inspired shade structure. For lighting, we introduced an illuminated steel band around the building & a perforated, illuminated, curving “waterfall” form at the entry, giving the building a striking presence visible from the I-280 highway.



before construction

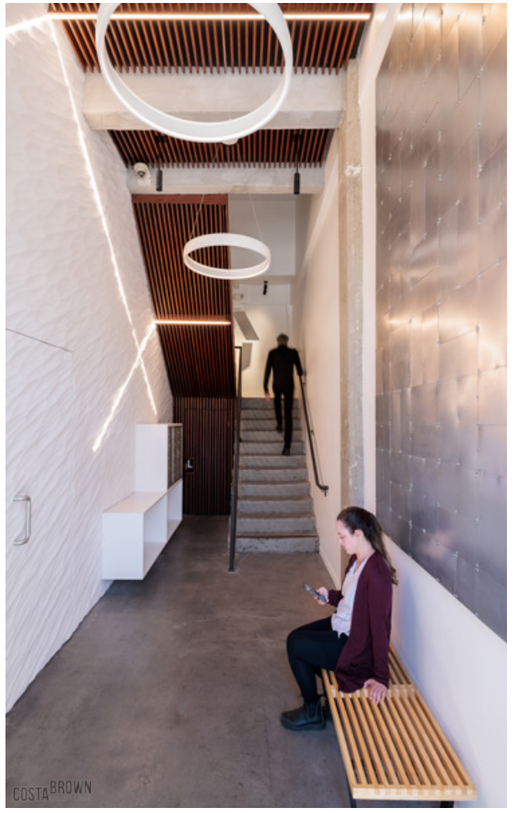
after exterior renovation & remodel (Built 2022)

Illuminated band & "metal waterfall" - Front facade & Entry (Built 2022)

Courtyard rendering - Revit & Photoshop

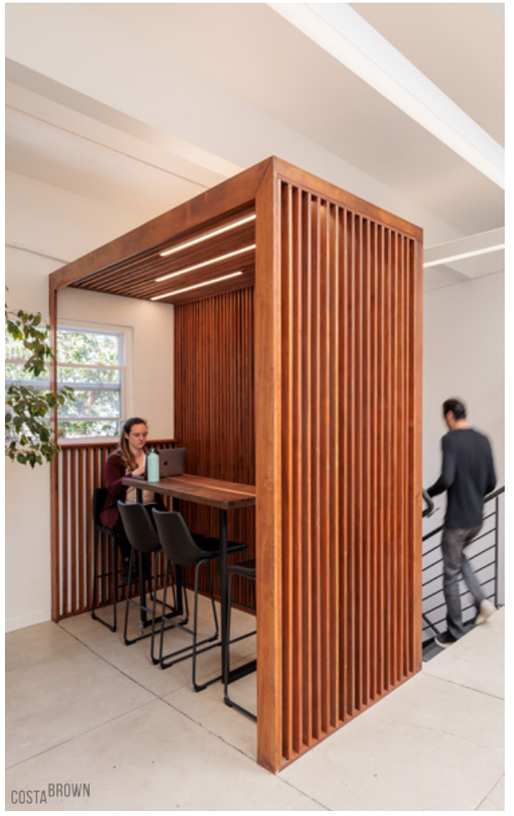
Courtyard - (Built 2022)

Clara St. Lobby - Slat wall concealing previously exposed existing electrical panels



Harrison St. Lobby - New lighting,
wall & ceiling treatment

(Built 2022)



Clara St. Lobby 2nd floor
Aedicula

‘High-end Office Transformation’

$3.5 M Exterior & Interior Remodel / Penthouse Addition - 550 3rd St. San Francisco, CA

Role: Primary Architect, Project Manager, Lighting Design, & Interior Design
Scope: Speculative transformation of existing warehouse to high-end office space. Penthouse addition, new roof deck, elevator, café, all hands tiered seating, & a complete interior remodel [built 2024]
Collaborators: Albert Costa, ZFA Structural Engineers, Terry Walls Construction, Home Shot Photos
Responsibilities: Led the project from concept to completion; SD, DD, Permitting, CD, Bidding, CA
Design Challenges: Project involved a 25,000 sqft warehouse with inadequate lighting & a disorganized floor plan, requiring a complete redesign to attract a high-paying tenant. The challenge was to incorporate cost effective lighting & material solutions while addressing the extensive construction needs across the building.

Solutions & Outcomes:
To achieve cost-effective improvements, we sourced approximately 80% of the lighting from Alibaba manufacturers, reducing costs to about 15% of what local suppliers would charge. Additionally, we sourced ceiling treatments & felt wall coverings from Alibaba at roughly 10% of the price offered by local suppliers. These strategic sourcing decisions significantly contributed to staying within budget while meeting design & functionality goals.

Video Tour of Completed Project

Front Lobby - New feature stair, entry portal, ceiling treatment, mezzanine lounge & lighting (Built 2024)

Daytime Rendering - Revit, Drone Photography & Photoshop

1st Floor realistic 3d cut away

2nd Floor realistic 3d cut away - Revit & Photoshop

Penthouse Addition - Door closed (Built 2024)


HOTEL

All hands tiered seating (Built 2024)

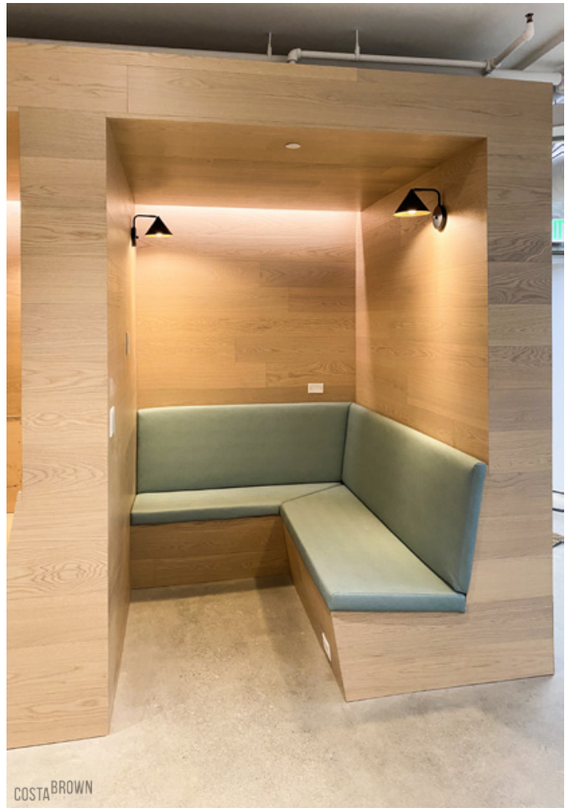
All hands tiered seating - facing projector (Upholstery & furniture coming soon) (Built 2024)

All hands tiered seating (Final Touches, upholstery & furniture coming soon) (Built 2024)

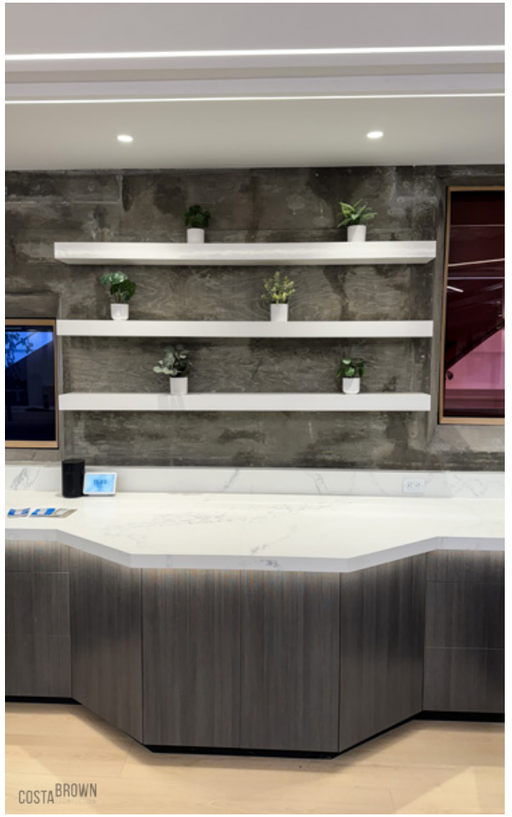
New accessible shower room (Built 2024)

New high-end restroom with full height stall partitions (Built 2024)

Basement “Speakeasy” with Smart RGBW picture rail accent lighting for ceiling (Built 2024)



“Breakout Booths” (Built 2024)



Cafe counter top detail

Cafe & custom booth seating (Built 2024)

Exterior night time rendering - Revit, Drone Photography & Photoshop

Front facade - New entry portal, stone cladding, penthouse, elevator & paint job (Built 2024)

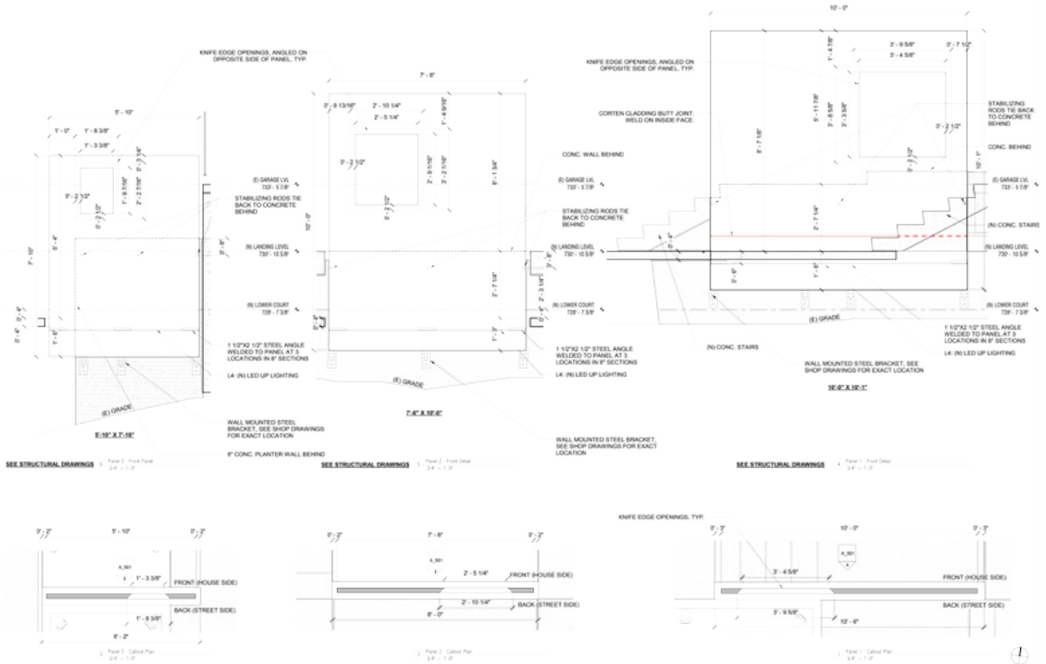
‘Luxury Front Deck Sculpture Garden’

$0.5 M Exterior Front Deck Remodel & Landscape Architecture - Clarendon Heights, San Francisco, CA

Private Client - 2020

Costa Brown Architecture

Role: Primary Architect, Project Manager, & Lighting Designer
Scope: Remodel of an overgrown front yard, featuring a terraced concrete deck, integrated exterior lighting & walkway designed with custom sculptural steel panels. Enhancing privacy while creating a dynamic, engaging promenade. [Built 2020]
Collaborators: Albert Costa, Ashley & Vance Engineering, RJ Builders
Responsibilities: Main Project Architect from concept to completion; SD, DD, Permitting, CD, Bidding, CA
Design Challenges: The goal was to seamlessly integrate the design of the front facade (by Costa Brown, 2016) into the front yard design. Additionally, we aimed to create a sense of privacy on the front deck & promenade leading to the main entry.
Solutions & Outcomes: The weathered steel panels were conceived as part of a promenade through a sculpture garden, designed to weather with the salt-laden San Francisco fog. They provide privacy while also functioning as dramatic sun dials, given that the front facade faces south. The proportions of the panel openings were inspired by the windows & primary facade, creating a visual relationship. Upon closer inspection, the panels echo the windows in proportion to the building’s body.



Custom panels, enlarged plans & elevations

Concept & construction 3d view - Revit & Photoshop

Sculpture Garden - Dusk (Built 2020)

Sculpture Garden & car port at rear (Built 2020)

Front Door - Facing street (Built 2020)

Panel “Window” Knife edge detail

1

2

3

4

(N) FLUSH WALKABLE SKYLIGHTS
4" STEP START (N) CONC. SLAB SLOPE AS REQ.
(E) FRONT DOOR TO REMAIN
(N) FLUSH WALKABLE SKYLIGHT, ALIGN W/ (E) WINDOW FRAME, VIF.
(E) ELEC. METER
(N) WOOD SLAT WALL UNDERNEATH TO MATCH (N) FENCE
PROPERTY LINE
COSTA BROWN
(E) STONES TO REMAIN
(N) PLANTINGS TBD BY OWNER
(E) P.G. & E. BOX TO REMAIN BELOW
UP 9R
-5' 2.5"
5' - 10 1/2"
3' - 0"
9' - 6 3/4"
6' - 2"
5' - 9 1/4"
(N) PLANTER EDGED W/ 1/4" STEEL, MOUNTED TO CONC. (TYP.)
22' - 4 3/8"
2% SLOPE
(N) STAIR & HANDRAILS; TO CONNECT TO (E) STAIRS, VIF.
(E) STRUCTURE TO REMAIN (NO WORK)
(N) LOWER COURT, RETAIN (E) BRIDGE LEVEL
5' - 10 1/2"
(N) P3: CORTEN STEEL PANEL (5'-10"x7'-10")
FLUSH W/ (E) INTERIOR GARAGE LEVEL
0' - 10 1/2"
CONC. SCORE LINES, TYP.
+0' 2" VIF.
0' - 11 1/4" VIF.
(N) 42" EXTERIOR STEEL & GLASS RAILING SYSTEM, AS REQ.
-5' 5.7"
-5' 7.7"
-5' 3.7"
(N) STEEL BOX PLANTER 5
2' - 0 1/4"
6' - 8"
6' - 2"
2% SLOPE
5' - 1 1/2"
3 A_501
5' - 0"
6' - 6"
8' - 0"
6' - 6"
UP 14R
UP 5R
UP 5R
(N) P2 CORTEN STEEL PANEL (7'-8"x10'-0")
RETAIN & REINFORCE (E) POSTS, RECLAD W/ (N) WOOD SLATS
(N) 42" EXTERIOR STEEL & GLASS RAILING SYSTEM, AS REQ.
7' - 5 3/4"
4' - 0"
8' - 0"
1 A_302
3' - 3 1/2"
(N) CONC. PLANTER 4
(N) STEEL BOX PLANTER 3
1' - 0"
1' - 0"
0' - 8"
8' - 0"
(N) SURFACE MOUNTED STEEL HANDRAIL, TYP.
(E) CAR COURT, EXTENDED & REFINISHED W/ 4" CONCRETE LIGHTWEIGHT DECKING
SLOPE TO STREET AS REQ.
(E) STAIR TO REMAIN
1' - 0"
4' - 0"
3 A_500
-2' 7.5"
2 A_501
-2' 11.5"
2% SLOPE
UP 5R
(N) P1: CORTEN STEEL PANEL (10'-0"x10'-1")
(N) LANDING LEVEL
7' - 0 1/2"
6' - 6 1/2"
(E) LANDING BELOW TO REMAIN
1 A_501
(N) OUTDOOR SPOT LIGHT, TYP.
10' - 6"
0' - 8"
FLUSH
+0' 1.5"
4' - 6 1/2"
6' - 6 3/4"
2 A_502
1 A_502
5' - 7 3/4" VIF.
(N) FENCE & GATED BIN AREA, WOOD SLATS TO MATCH (N) FENCE, LINE UP HORIZONTAL BOARDS W/ ADJ. FENCES
(N) CONC. PLANTER 1
10' - 10 1/4"
2 A_500
5' - 9 1/4"
4' - 0"
2% SLOPE
(N) STEEL BOX PLANTER 2
LG. BIN 1
SM. BIN 1
1 A_303
7' - 2"
(N) ENTRY
2% SLOPE
UP 5R
PROPERTY LINE
4' - 10" VIF.
10' - 10 1/8"
1' - 0"
-2' 7.5"
(N) WOOD DECK ON (E) LANDING FRAMING, TO MATCH CAR COURT LEVEL
SM. BIN 2
LG. BIN 2
0' - 6"
+0' 0"
(E) JAPANESE MAPLE TO REMAIN
10' - 0"
4' - 0"
(N) CONC. FILL
(E) FENCE POSTS TO REMAIN, RECLAD W/ (N) WOOD SLATS ON BOTH SIDES
PROPERTY LINE 3' - 0 1/2" VIF.
2' - 7" VIF.
(E) SIDEWALK
(N) GATE MOTOR
(N) JAPANESE MAPLE
(E) JAPANESE MAPLE TO REMAIN RAISE SOIL & REPLANT TO MATCH UPPER CAR COURT LEVEL
(N) SCONCE
(N) MAIL BIN
(N) POST, TYP.
(E) PLANTINGS TO REMAIN
(E) TREE TO REMAIN
(E) TREE TO REMAIN
(N) WOOD SLAT SLIDING VEHICLE GATE
(N) ACCESS GRATE TO RELOCATED (E) GAS LINES
MOVED (E) PLANTING
(E) PLANTING TO REMAIN
(N) WOOD SLAT ENTRY DOOR
1 A_301
1 A_500
1 A_300
ST. GERMAIN AVE.
1 Proposed Floor Plan
1/2" = 1'-0"

Floor plan construction drawing - Revit

Panel install sequence

Sculpture Garden facing street - Dusk (Built 2020)

View from street (Built 2020)

‘Twin Peaks Residence’

$2 M+ Exterior & Interior Remodel / Penthouse Addition / Rear Yard & Pool - Twin Peaks, San Francisco, CA

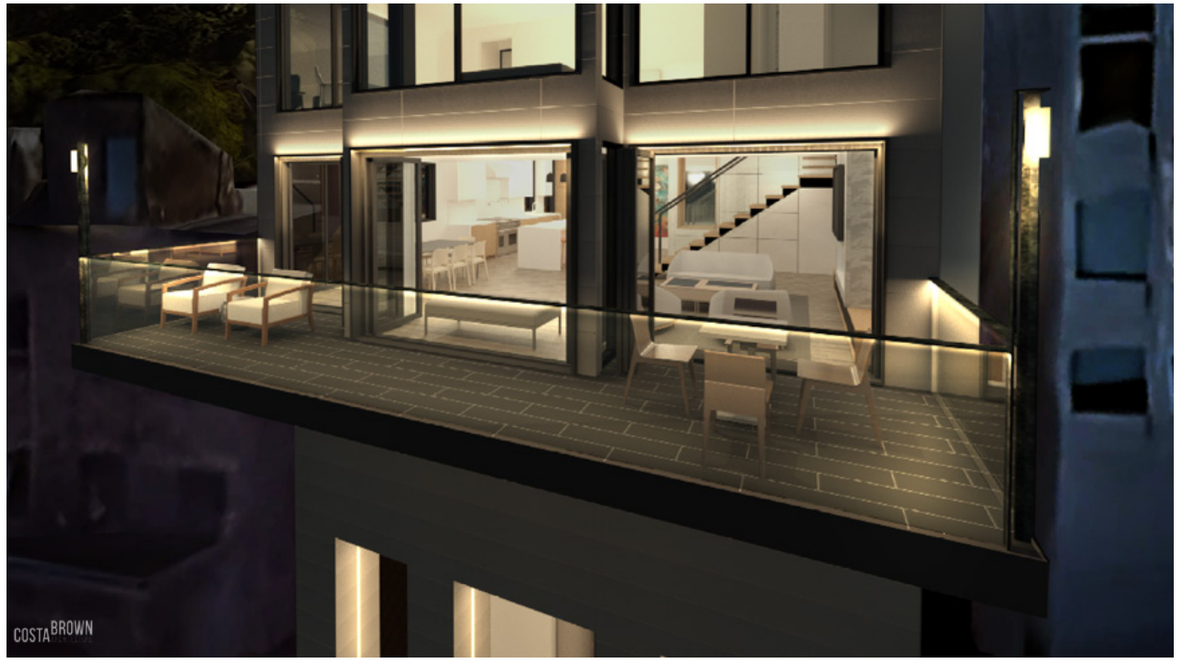
Confidential Client - 2022

Costa Brown Architecture

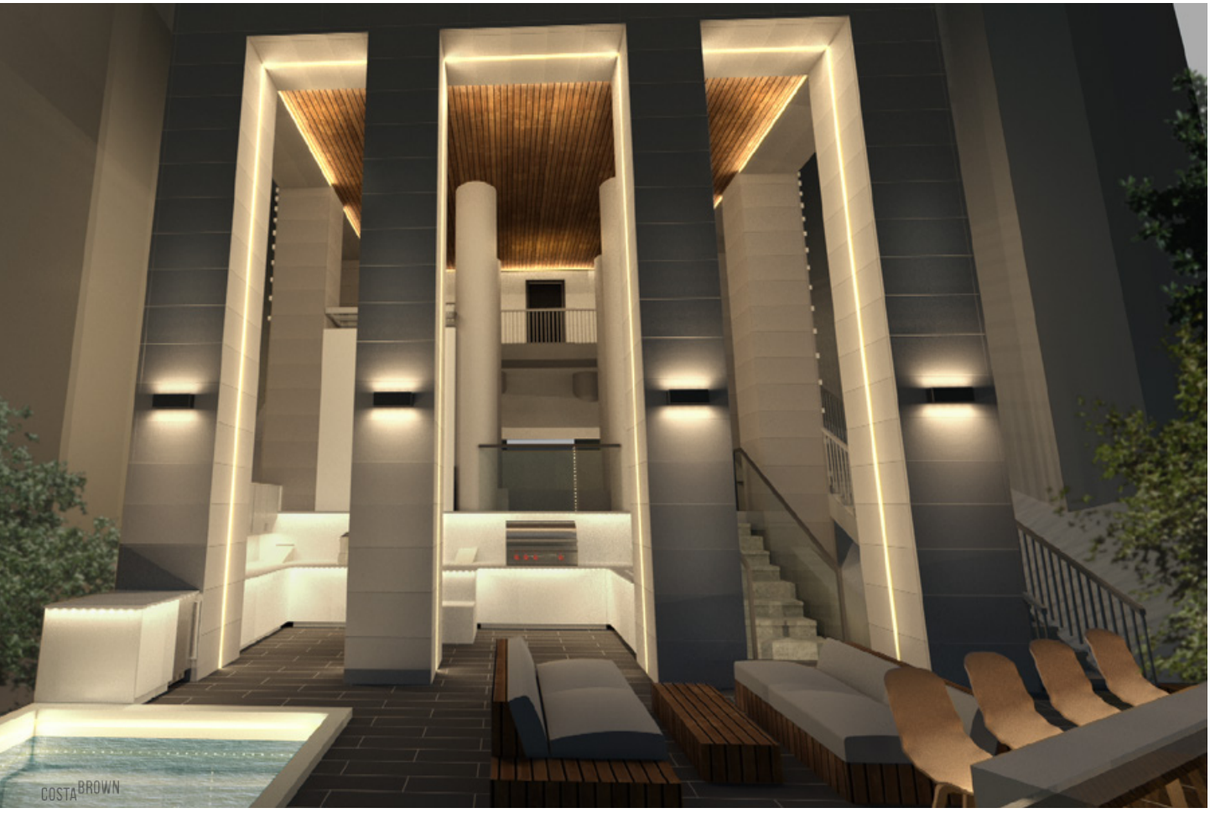
Role: Architect
Scope: Penthouse addition & extensive high end residential remodel [permitted, construction pending]
Collaborators: Albert Costa, Rakhee Shah (CBA), Ashley & Vance Engineering
Responsibilities: SD, DD, Permitting, CD, & Bidding
Design Challenges: The home is perched on a cliffside along the iconic Twin Peaks, supported by massive tube columns that extend down to large grade beams anchoring the structure to the cliff. This unique structural system presents significant challenges in terms of structural solutions, construction logistics, & design considerations, particularly in the rear yard. The challenging lot lines required a variance for the rear sky deck.

Solutions & Outcomes: The rear yard design incorporates the grade beams to support terraced levels, while the rear yard kitchen counter cleverly conceals the remaining exposed angled grade beams. The wide, cantilevered sky deck replaced the previously small wooden balcony, which extended 9 feet from the building and evoked a sense of unease. The new design provides stability, functionality, & a more inviting outdoor experience with the San Francisco skyline beneath you.

Front facade



Rear Skydeck - Revit & Photoshop



Rear lower deck

Rear facade, backyard & spa

New main internal stair

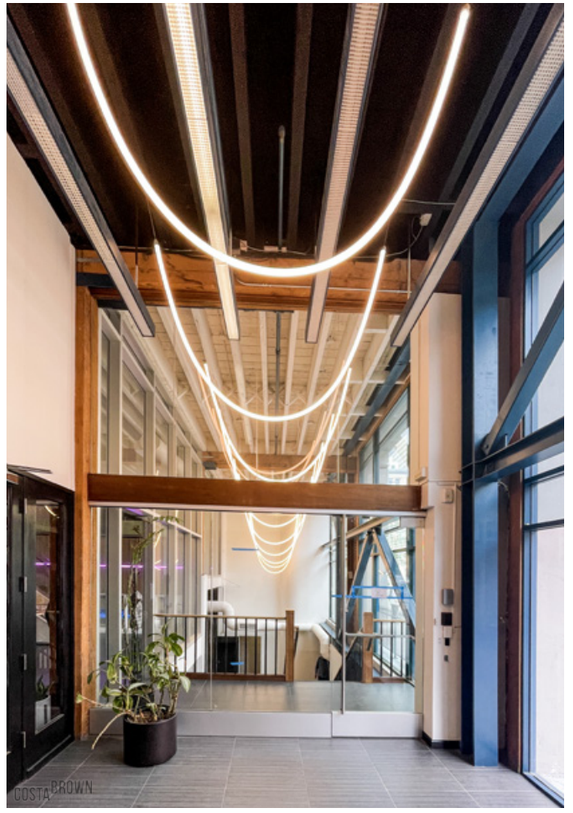
‘Reverse Catenary Arch Rope Lighting Feature Fixture’

Custom Front Lobby Feature Lighting Fixture - 144 2nd St. San Francisco, CA

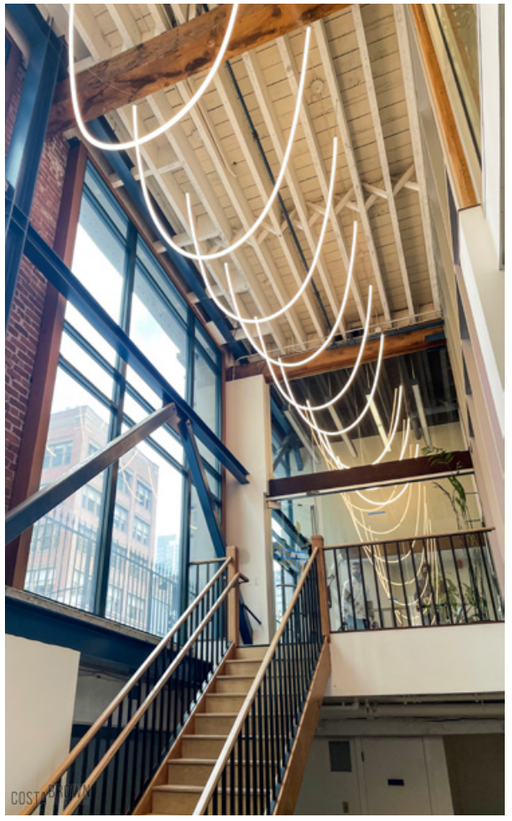
Role: Primary Architect, Project Manager & Lighting Designer
Scope: Custom feature lighting fixture, lighting design & remodel.[Built 2024]
Collaborators: Albert Costa, Start up HQ
Responsibilities: Led the project from concept to completion; SD, DD, CD, Bidding Procurement, CA
Design Challenges: The client had a vacant office space & sought low-cost lighting solutions to make it more appealing. The primary goal was to attract a tenant by incorporating a standout feature fixture that would enhance the double-height lobby & tenant space.

Solutions & Outcomes: Designed a simple sequence of suspended rope lights, sourced directly from Chinese lighting suppliers on Alibaba at just 10% of the cost offered by local suppliers. The lights were arranged to deepen in tandem with the double-height space & the stairway leading downward. This dynamic reverse catenary arch lighting solution was highly effective, & a tenant moved in shortly after the installation.

Feature Lighting Fixture Quick Visualization - Revit & Photoshop



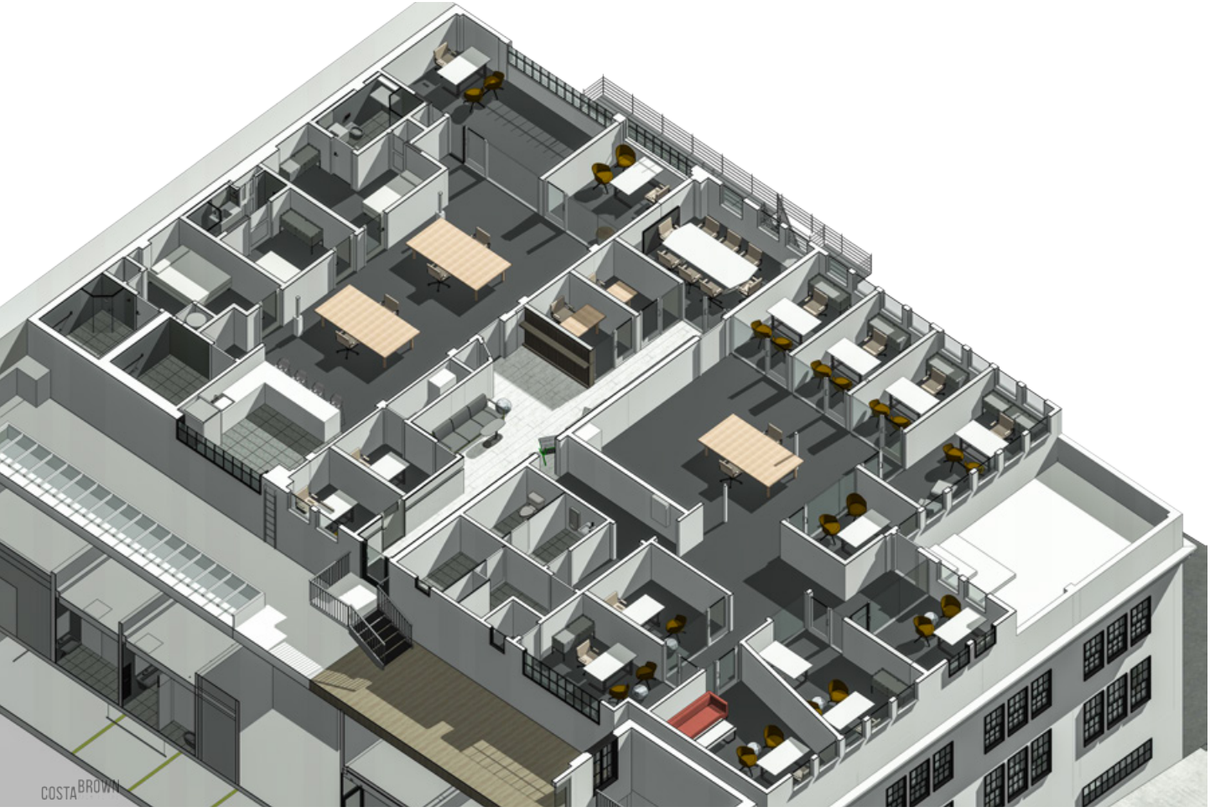
Front Lobby View of Feature Fixture (Built 2024)



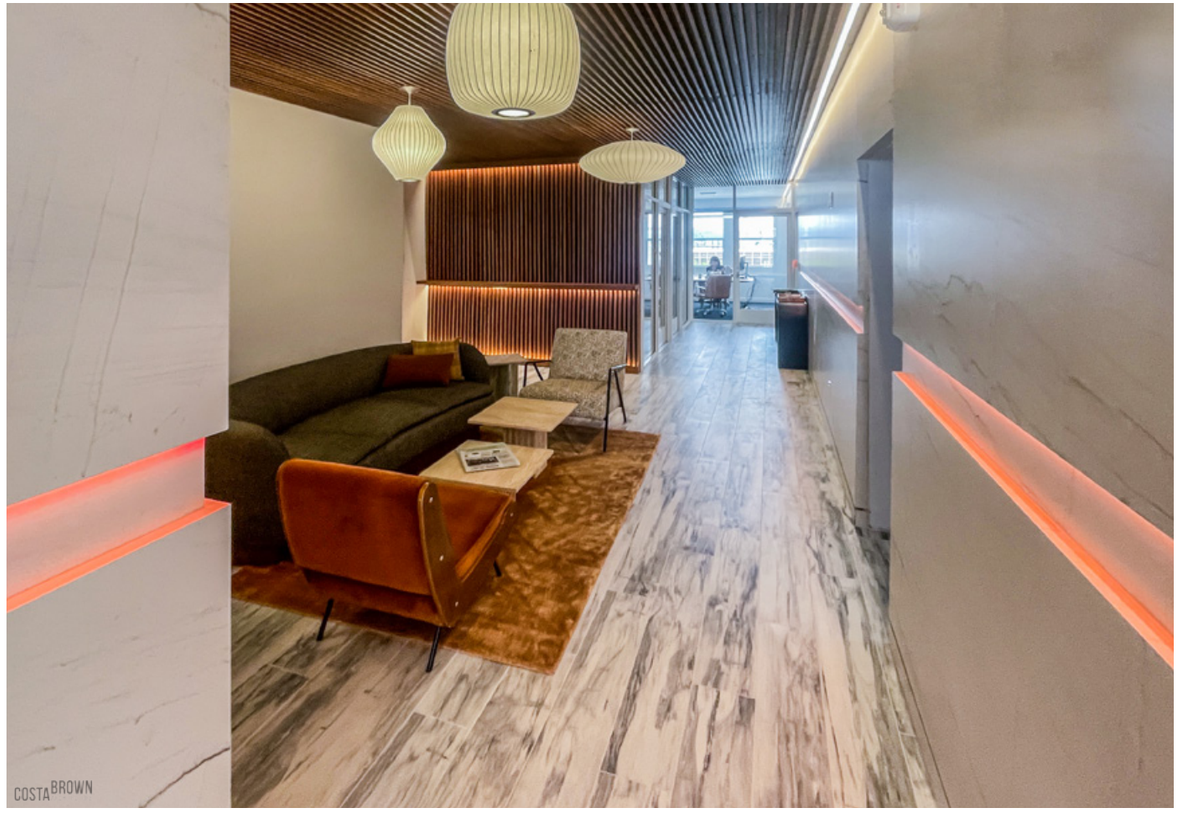
Lower View of Feature Fixture

Role: Primary Architect, Project Manager, Interior Designer, Lighting Designer & Art Seller/Consultant
Scope: State-of-the-art mock trial room with integrated AVIT, luxury offices, hoteling suites, 4 luxury wet bars, custom bookshelf, new restrooms, feature walls, exterior paint job, furniture, & smart RGBW lighting. [Built 2024]
Collaborators: Albert Costa, Two Bricks Design Build, ZFA Structural Engineers
Responsibilities: Led the project concept to completion; SD, DD, Permitting, CD, Bidding Procurement, CA
Design Challenges: The clients faced a tight move-in deadline and budget, requiring us to phase construction & obtain bids from multiple contractors for each phase.

Solutions & Outcomes: A two-phase construction approach, split between the 1st & 2nd floors, allowed us to bid the 1st floor promptly & begin construction while finalizing bids for the 2nd phase. This strategy enabled the clients to move into the 1st floor while work on the 2nd floor was still underway. To maximize the flexibility of the space’s use, we incorporated an app-controlled lighting system with cost-efficient Bluetooth/Wi-Fi controllers for the integrated RGBW lighting. I managed the programming of the smart lighting, including organizing & grouping rooms & setting up timed light schedules. Additionally, I acted as their art consultant & installer, identifying locations to hang paintings from their previous office & locating four of my own paintings, which they purchased.



Proposed 2nd Floor Offices & Lobby 3d Cut Away - Revit



2nd Floor Lobby - Stone wall, slat ceiling, wall & perch w/ integrated RGBW lighting (Built 2024)

"I had the pleasure of partnering with Grant Koniski on the Northern Waterfront Law Firm interior remodel in downtown San Francisco. From schematic design through construction administration, Grant's leadership and vision kept our team—and our client—completely aligned, even under a very tight schedule and budget." - Excerpt from testimonial letter

- Douglas An, General Contractor,Two Bricks Design Build, Inc.

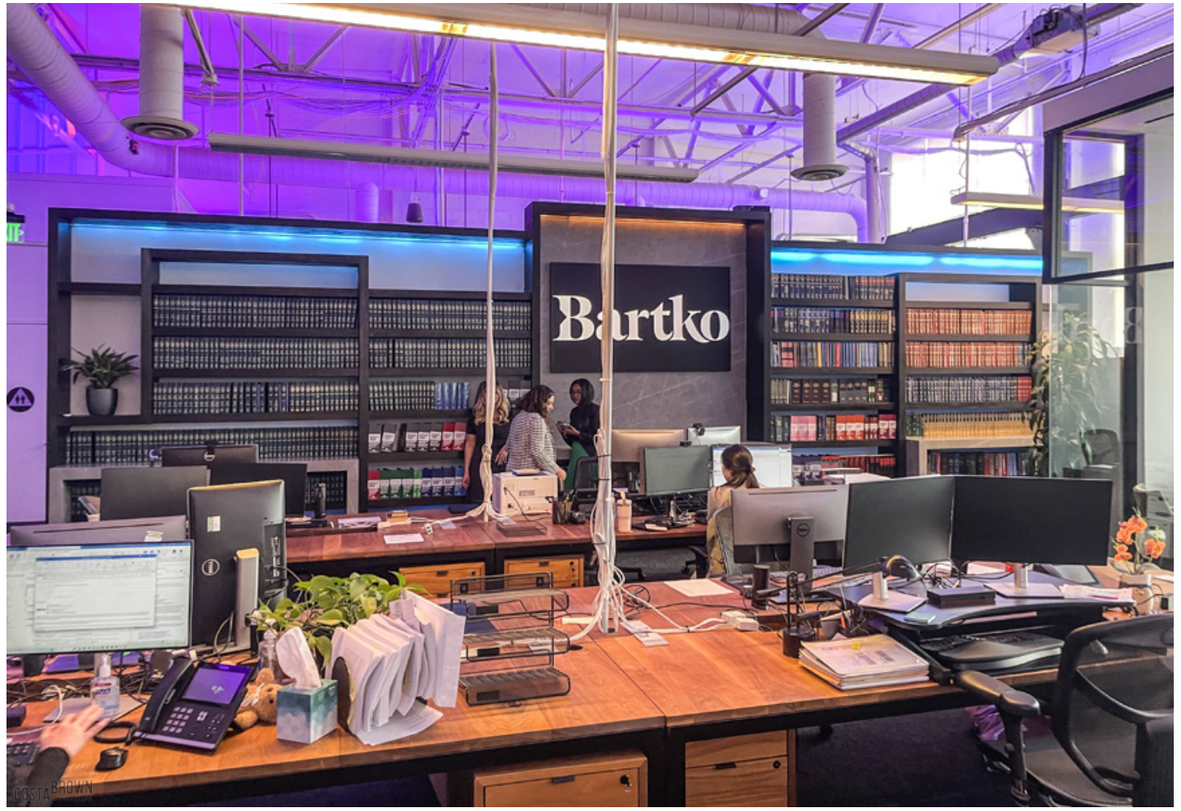
Mock Trial Room (gathering set up) - Slat Wall w/ Integrated RGBW Lighting (Built 2024)

"We ended up with a workspace that looks and works exactly as we envisioned—delivered on schedule, on budget, and without any last-minute surprises. I'd happily work with Grant again and wouldn't hesitate to recommend him to anyone who needs an architect with both creative flair and a knack for practical problem-solving." - Excerpt from testimonial letter

- Douglas An, General Contractor,Two Bricks Design Build, Inc.

Entry Lobby - Slat Wall w/ Integrated RGBW Lighting, Gobo projector & my painting on wall (Built 2024)

Customized Bookshelf design quick visualization - Revit



Customized Bookshelf - With Integrated Smart RGBW Lighting (Built 2024)

New En Suite Bathroom for Hoteling Offices (Built 2024)

2nd Floor CEO Office - My Painting behind desk (Built 2024)

New Womens Restroom

Luxury Mezzanine Bar - Imported Granite from India & Smart RGBW Integrated Lighting (Built 2024)

Bar Details (Built 2024)

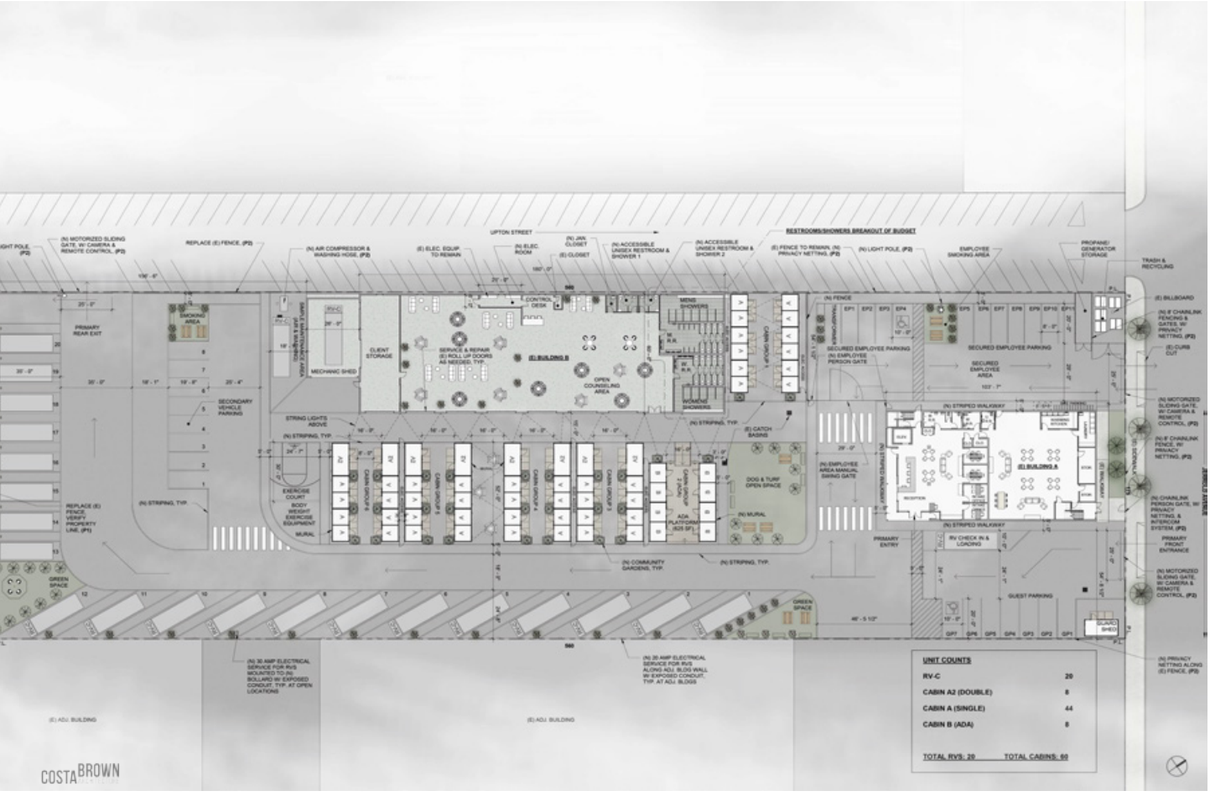
‘Unhoused Navigation Center’

Large Scale Temporary Housing - Bayview, San Francisco, CA

Costa Brown Architecture

Role: Architect
Scope: 60 Cabin, 20 RV temporary housing for SF residents experiencing homelessness. [under construction]
Collaborators: Albert Costa, CCI General Contractor
Responsibilities: Master Planning, SD, DD, Permitting, & CD
Design Challenges: The project involved repurposing an industrial construction material storage site that included two existing buildings. These structures required extensive remodeling to meet the new programmatic demands. Site planning prioritized guest & staff security while accommodating efficient circulation for RVs.

Solutions & Outcomes: We organized the site using the two existing buildings as anchors; allowing site lines, security stations, gathering spaces & vehicular circulation to shape the placement of the cabins. To efficiently create private housing, we utilized prefabricated “Boss Cube” livable cabins. The existing roll-up doors on the warehouse inspired the design of flexible indoor/outdoor communal spaces. I was committed to ensuring this project included a mechanics shed, providing guests with RVs a space to repair their vehicles, learn new skills & gain the opportunity to move forward.



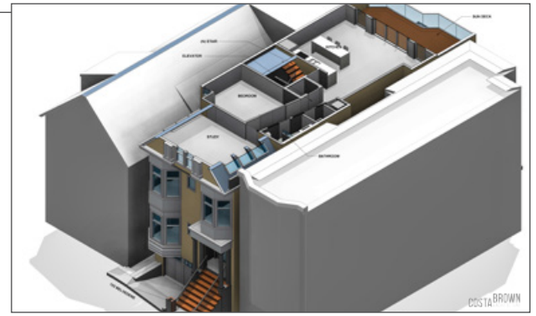
Illustrated Site Plan - Revit & Photoshop

Quick 3d Site Plan Visualization - Revit

Notable Projects

With Costa Brown Architecture

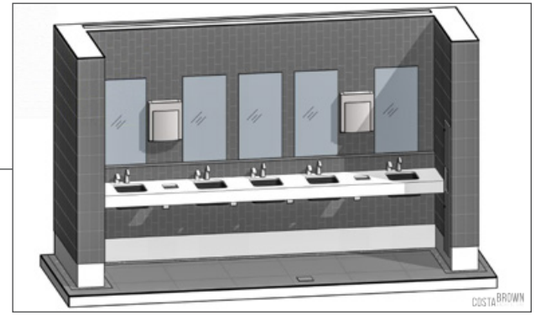
Location: Belvedere Street, Ashbury Heights, San Francisco, CA
Client: Private Owner
Role: Architect, Interior Designer, & Lighting Designer
Scope: Single family home attic conversion, remodel & full house renovation. [under construction]
Collaborators: Albert Costa, Lamar Jones General Contractor, Ashley & Vance Engineering
Responsibilities: SD, DD, Permitting, Bidding/Negotiation, CD, CA



Location: Webster Street, Marina District, San Francisco, CA
Client: Private Owner
Role: Architect, Interior Designer, & Lighting Designer
Scope: Single family home addition, seismic upgrade, remodel & renovation [permitted & construction pending]
Collaborators: Ashley & Vance Engineering
Responsibilities: SD, DD, Permitting, & CD

Location: Yale Avenue, Kensington, CA
Client: Private Owner
Role: Architect, Interior Designer, & Lighting Designer
Scope: Single family home kitchen & living room remodel & renovation [under construction]
Collaborators: Albert Costa, Oliver Builders, Ashley & Vance Engineering
Responsibilities: SD, DD, Permitting, Bidding/Negotiation, CD, CA

Location: 800 Howard Street, SOMA, San Francisco, CA
Client: Moscone Convention Center
Role: Primary Architect & Project Manager
Scope: Moscone W. Convention Center all restroom renovation [under construction]
Collaborators: Albert Costa, Swinerton Builders
Responsibilities: SD, DD, Permitting, CD, CA



Location: Willard Street, Parnassus Heights, San Francisco, CA
Client: Private Owner
Role: Primary Architect, Project Manager, Interior Designer, & Lighting Designer
Scope: ADU & illegal unit legalization & T24 required mechanical upgrades [Built 2021]
Collaborators: Albert Costa, Ashley & Vance Engineering
Responsibilities: SD, DD, Permitting, CD, CA

Location: Junipero Serra Blvd, Daly City, CA
Client: George Lam Development
Role: Lead Architect & Project Manager
Scope: Multi-Family Housing mixed use development, 2 Buildings, 12-Story, 310 Total Units
[Design Development for land acquisition]
Collaborators: Albert Costa
Responsibilities: Code Analysis/feasibility, SD & DD

‘10x12 Tiny House’

Shed Format Tiny House - Sacramento, CA

Role: Architect, General Contractor, Project Manager, & Builder
Scope: Fully equipped Tiny House with kitchen, full bathroom, & loft [Built 2024]
Collaborators: Omega Shed Builders
Responsibilities: All aspects of the entire project from start to finish.
Design Challenges: Client wanted a low cost tiny guest house that stayed within a 10’ x 12’ footprint.

Exterior - Night time (Built 2024)

Mother & Father In-Law - 2024

Personal Project

Solutions & Outcomes: Reduced costs for the owner by repurposing a stone countertop & cabinets from a project slated for demolition. Designed the structure with a partial dormer on the facade facing the home to achieve a more classic appearance, while expanding the rear dormer to the full width of the exterior walls to maximize loft space. Incorporated linear RGBCCT LED strips with channels & diffusers to create atmospheric mood lighting, controllable via an in-line controller & remotely through the Smart Life app.

Kitchen & main space - (Built 2024)

Interior Couch Mode - (Built 2024)

Interior Bed Mode - (Built 2024)

Loft - (Built 2024)

Bathroom - Toilet side

Bathroom - Custom shower side

(Final images coming soon) (Built 2024)

'PUNCH LINE PHILLY' EXTERIOR SHELL

Exterior remodel - Fishtown, Philadelphia, PA

LIVE NATION - 2015

Woodcock Design Inc.

Role: Architectural Intern
Scope: Comedy Club & two restaurants within existing building [Built 2015]
Responsibilities: SD, DD, Permitting, CD, CA.
Design Challenges: The project involved repurposing an abandoned dry ice factory into a comedy club and two restaurant venues near the Fillmore East concert hall. The main challenge we facade was designing a facade that respected the building's heritage while fitting Fishtown's vibrant entertainment scene.
Solutions **& Outcomes:** The factory was successfully reimagined into a dynamic mixed-use space that enhances Fishtown's thriving entertainment district.

Axonometric & materiality 3d Section - Revit

Facade (Built 2015)

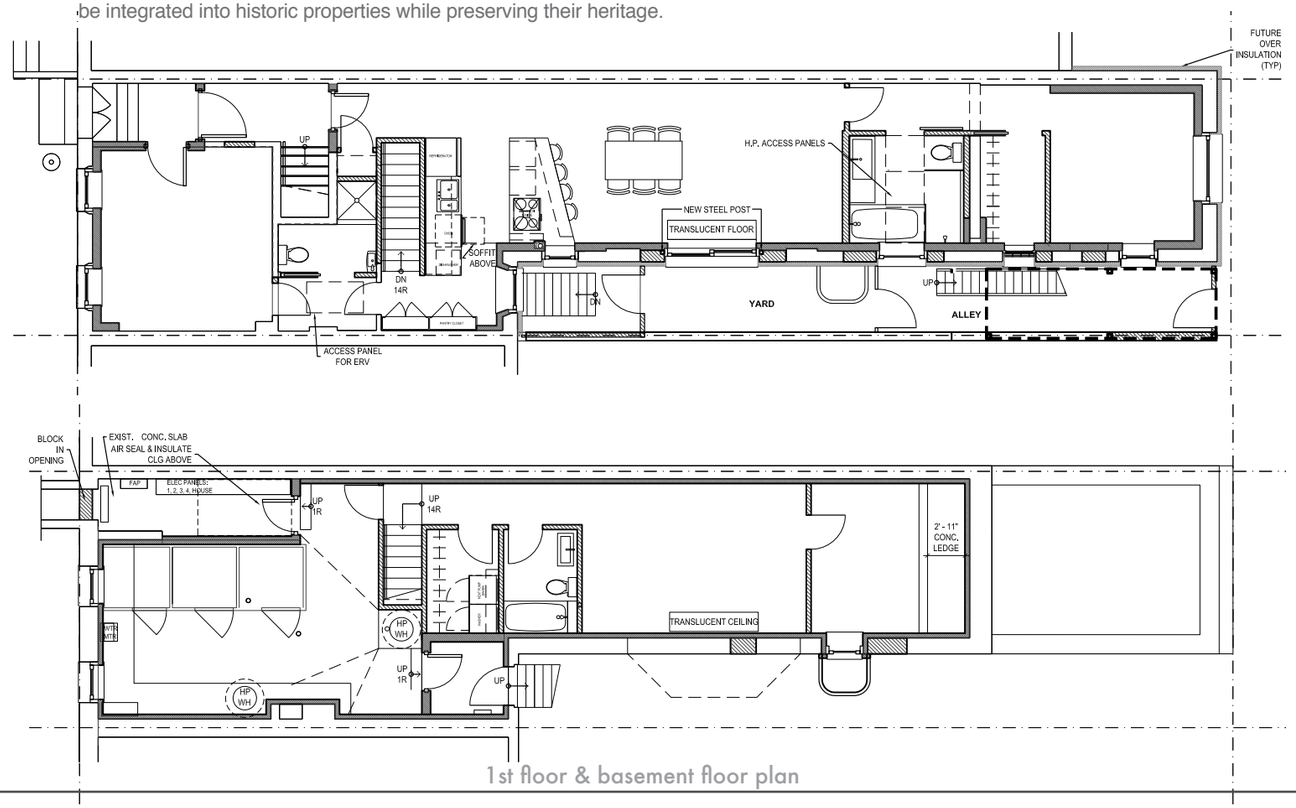
HISTORIC PASSIVE HOUSE RETROFIT

Remodel & Retrofit - Center City, Philadelphia, PA

LAURA BLAU & PAUL THOMPSON - 2016

BluPath Design Passive House Architects and Consultants

Role: Architectural Intern
Scope: Interior remodel, new mechanical systems & new passive house exterior envelope [Built 2016-2022]
Responsibilities: SD, DD, Permitting, CD
Design Challenges: The project involved retrofitting a classic 1880 Brownstone Row home located near Rittenhouse Square, a historic district with strict preservation guidelines. Concerns from the Historic Commission were raised due to the home's location & historical significance. Gaining approval for such a significant retrofit posed a challenge in balancing modern sustainability goals with preservation requirements.
Solutions & Outcomes: The project was approved & completed in 2017, setting a precedent for sustainability within the Historic Commission of Philadelphia. The home was renovated to meet Passive House standards by insulating the interior, installing new passive house windows & doors, & underpinning & air sealing the basement. Energy recovery ventilators, electric heat pumps, & radiant heaters were installed to ensure a comfortable, clean indoor environment. This retrofit demonstrates how sustainability can be integrated into historic properties while preserving their heritage.



1st floor & basement floor plan

Historic Facade

1 STORY ROW HOME ADDITION

Remodel & Addition - Point Breeze, Philadelphia, PA

JASON CUTAIR CONSTRUCTION - 2015

Woodcock Design Inc.

Role: Architectural Intern
Scope: Remodel & vertical addition [Built 2015]
Responsibilities: SD, DD, Permitting, CD
Design Challenges: The project involved a run-down two-story brick row home, which required extensive structural work. The building was stripped down to its existing brick structure & wood floor joists. The challenge was to transform the cramped, outdated row home typology into a spacious, modern living space while maintaining the integrity of the original structure.
Solutions & Outcomes: Janice & I designed an addition that reimagined the existing space, expanding it into a contemporary home. I worked on this project in Revit from start to finish, incorporating redlines from Janice.

N & S Elevations/ 3d section - Revit

COLLAPSIBLE ART DISPLAY

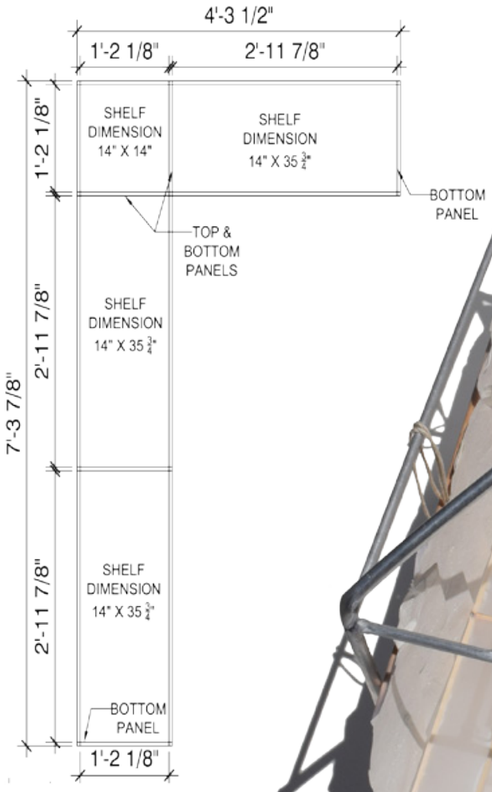
Convention Center, Center City, Philadelphia, PA

EMILY SQUIRES LEVINE - 2015

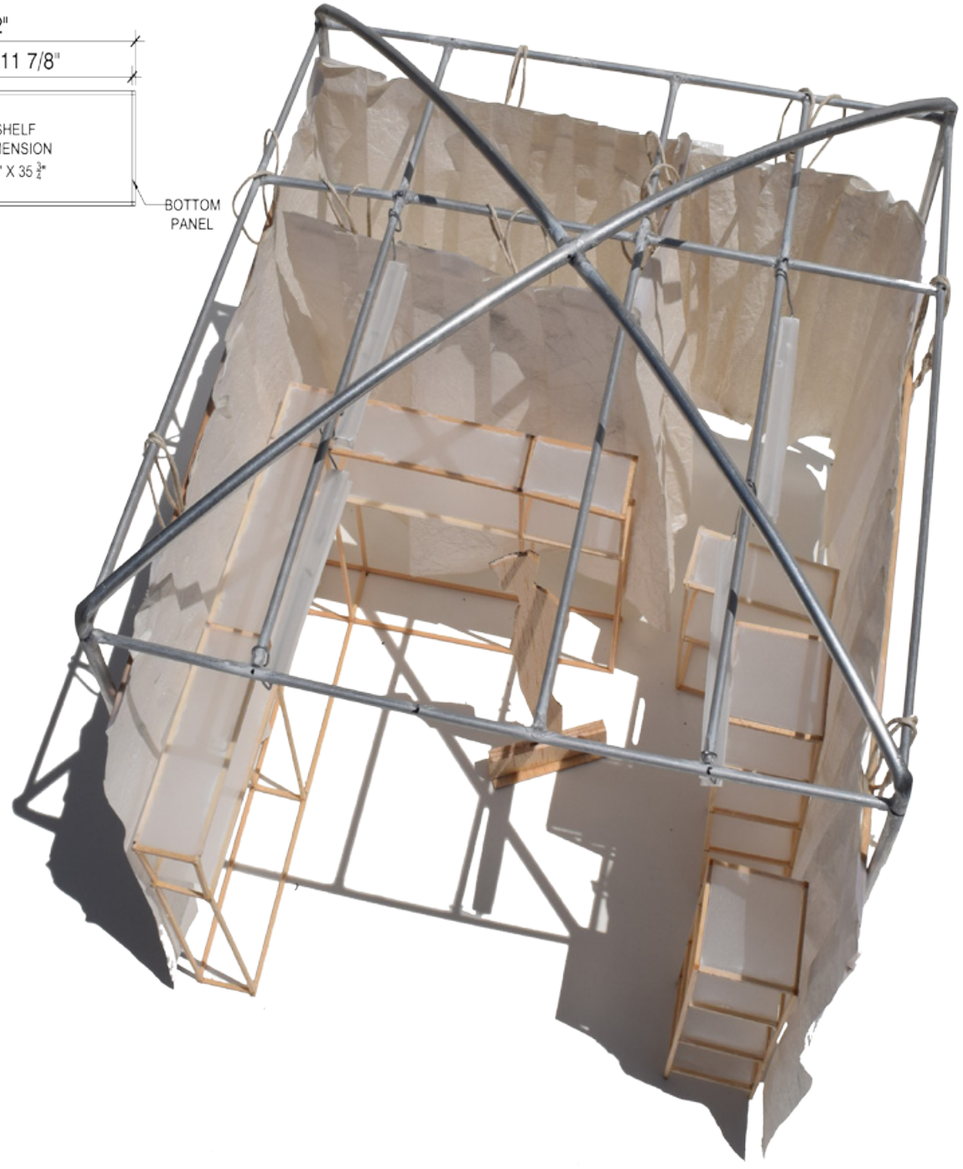
Woodcock Design Inc.

Role: Architectural Intern & Project Manager
Scope: Design, Procurement & Installation of Portable Display System [Built 2015]
Responsibilities: SD, DD, CD, Bidding & Procurement & CA
Design Challenges: The challenge of creating a low-cost, portable design that met the client's needs & ensured ease of installation
Solutions & Outcomes: Implemented Abstracta display systems, a prefabricated, customizable system of locking steel tubes & panels. I assisted with the first on-site installation to ensure success.

Art display assembled (2015)



Main shelving unit plan - AutoCAD



Hand model - basswood, aluminum tubing, and acrylic

‘CULTURAL CIRCULATOR’

Public spaces, parks & placemaking - Penn’s Landing, East Philadelphia

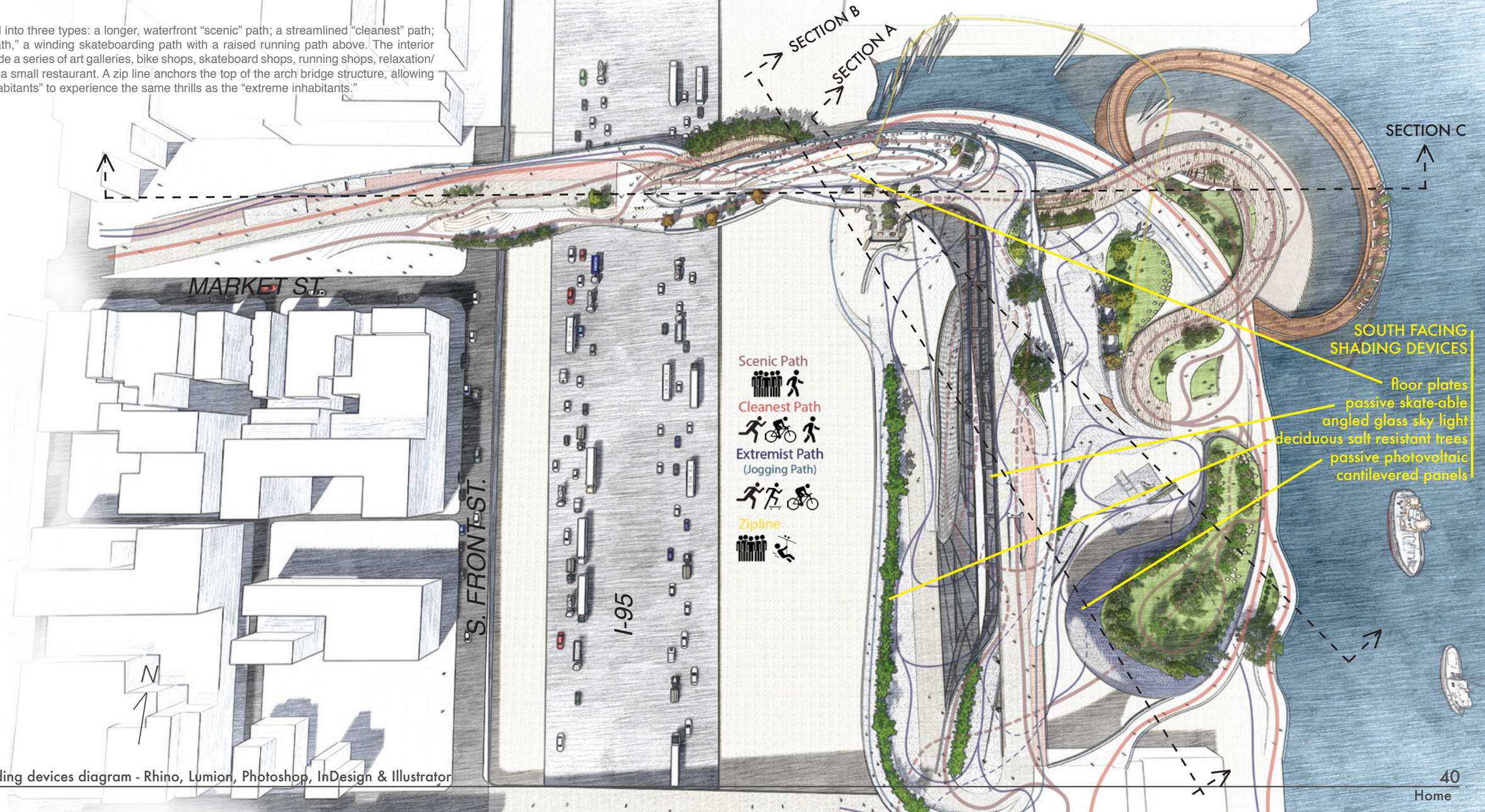
URBAN DESIGN STUDIO - 2016

Temple University - Jeremy Voorhees

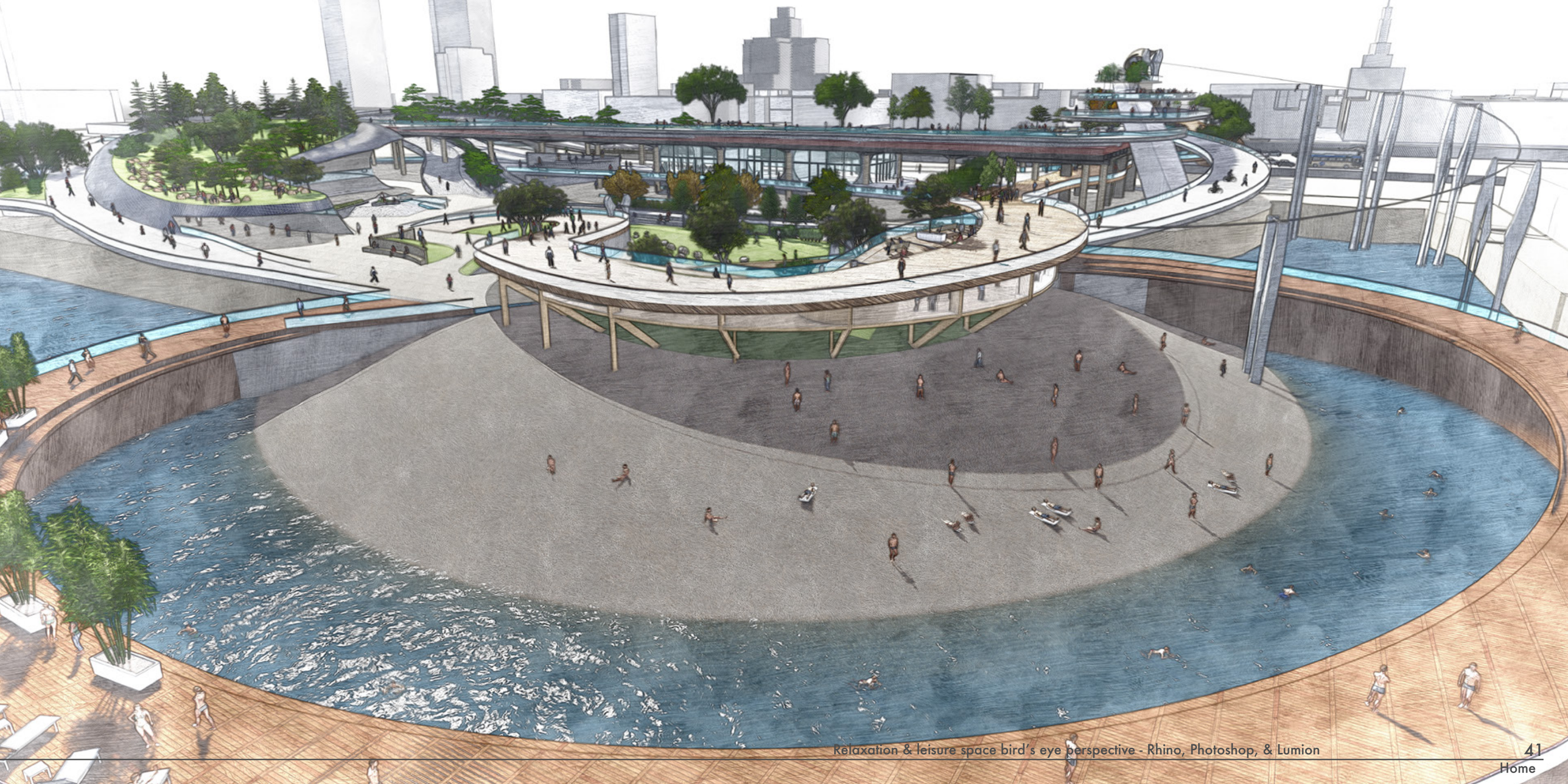
Philadelphia’s Penn’s Landing is a 200,000 SF concrete lot used for large concerts & events along the Delaware River. The venue is connected to the city by a bland, underused pedestrian bridge that spans from the city, over the highway, & to the waterfront. This urban intervention reconstructs the bridge & lot to create a cultural anchor by introducing walking/bike paths, formal & informal skateboarding spaces, retail, & cultural programs to East Philadelphia’s waterfront. I**ntertwining paths & programs encourage interaction with diverse cultures**, fostering experiences that challenge people to engage with new perspectives, whether passively through observation or actively through participation.

Rendered 3d diagonal cut - Section B - Rhino, Photoshop & Lumion

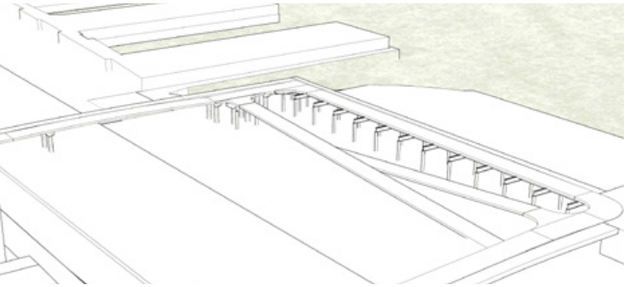
The paths are divided into three types: a longer, waterfront “scenic” path; a streamlined “cleanest” path; and the “extremist path,” a winding skateboarding path with a raised running path above. The interior program spaces include a series of art galleries, bike shops, skateboard shops, running shops, relaxation/ yoga/art studios, and a small restaurant. A zip line anchors the top of the arch bridge structure, allowing the “less extreme inhabitants” to experience the same thrills as the “extreme inhabitants.”



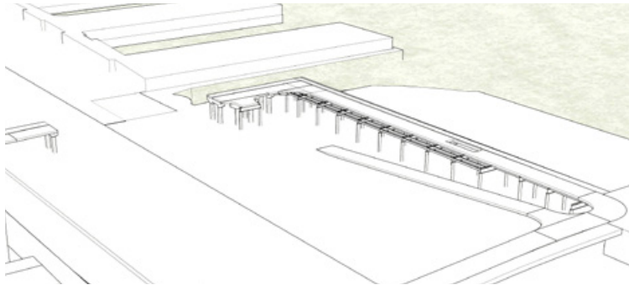
Circulation & shading devices diagram - Rhino, Lumion, Photoshop, InDesign & Illustrator



Relaxation & leisure space bird's eye perspective - Rhino, Photoshop, & Lumion

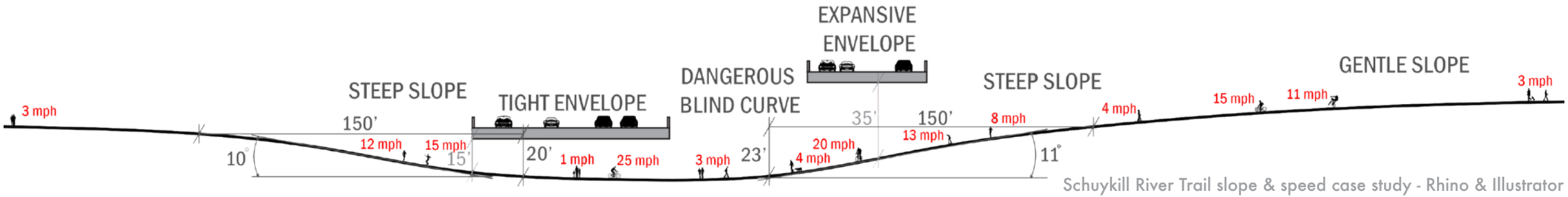


Existing pedestrian bridge structure & waterfront parking lot

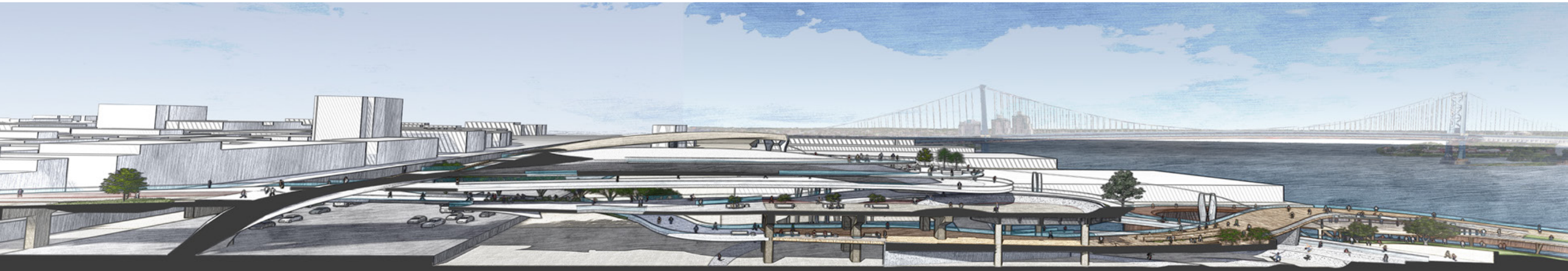


Salvaged & modified structural elements - Rhino

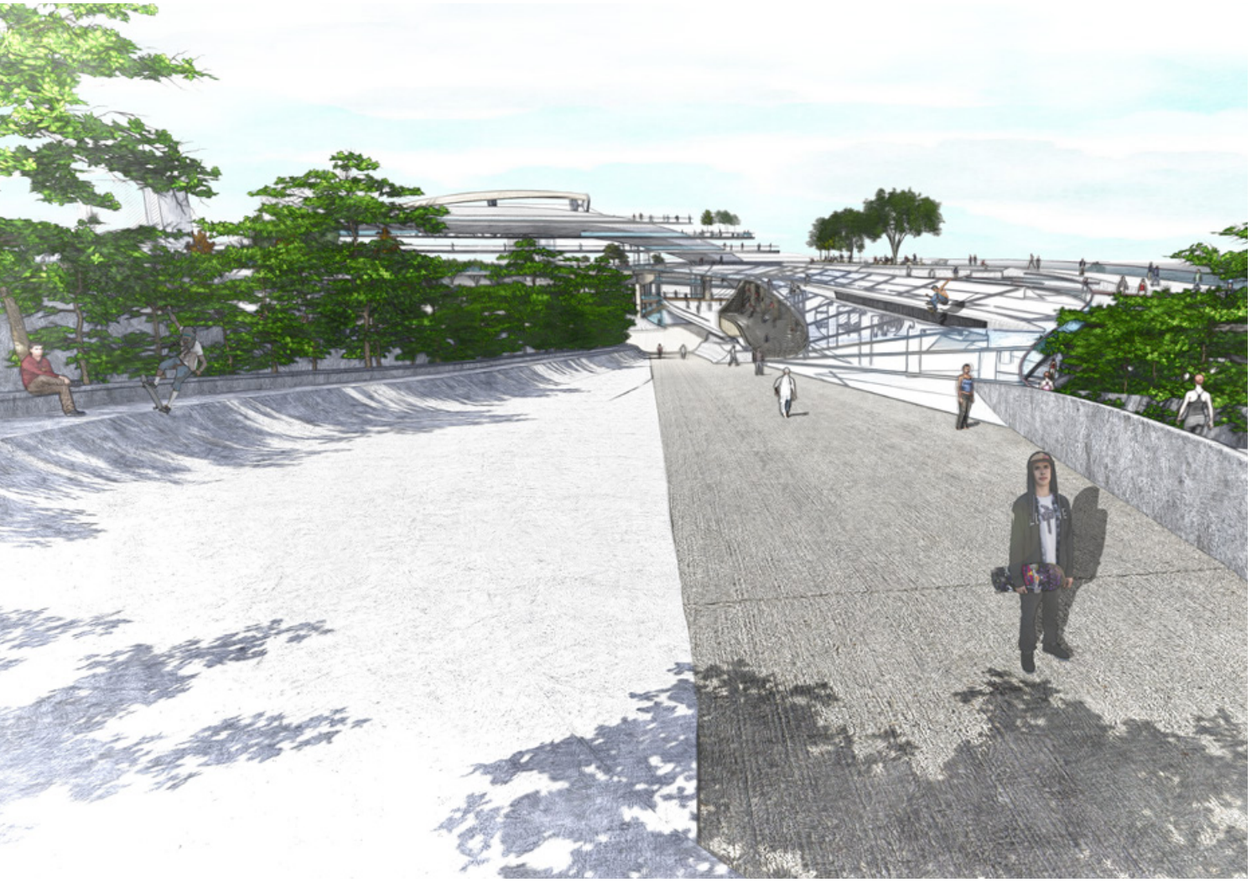
Philadelphia's rich history in skateboarding & cycling inspired me to begin my urban design studio by studying Paine's Skate Park in West Philadelphia. I explored how the design of the adjacent Schuylkill River Trail negotiates different circulation intensities through the use of framed views, pitch changes, and variations in the smoothness of the trail's material. I used these cues to inform my approach to materiality, slope, speed, and framing views.



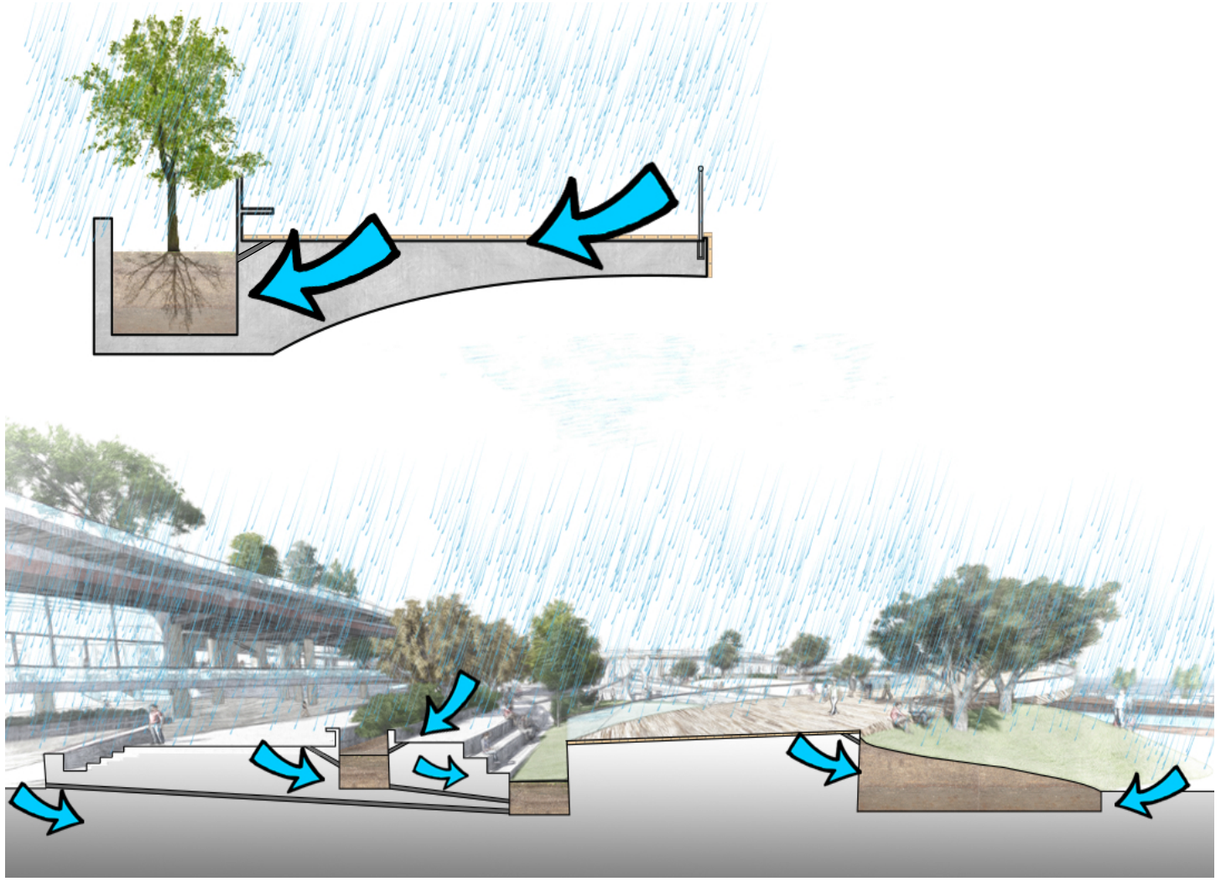
Schuykill River Trail slope & speed case study - Rhino & Illustrator



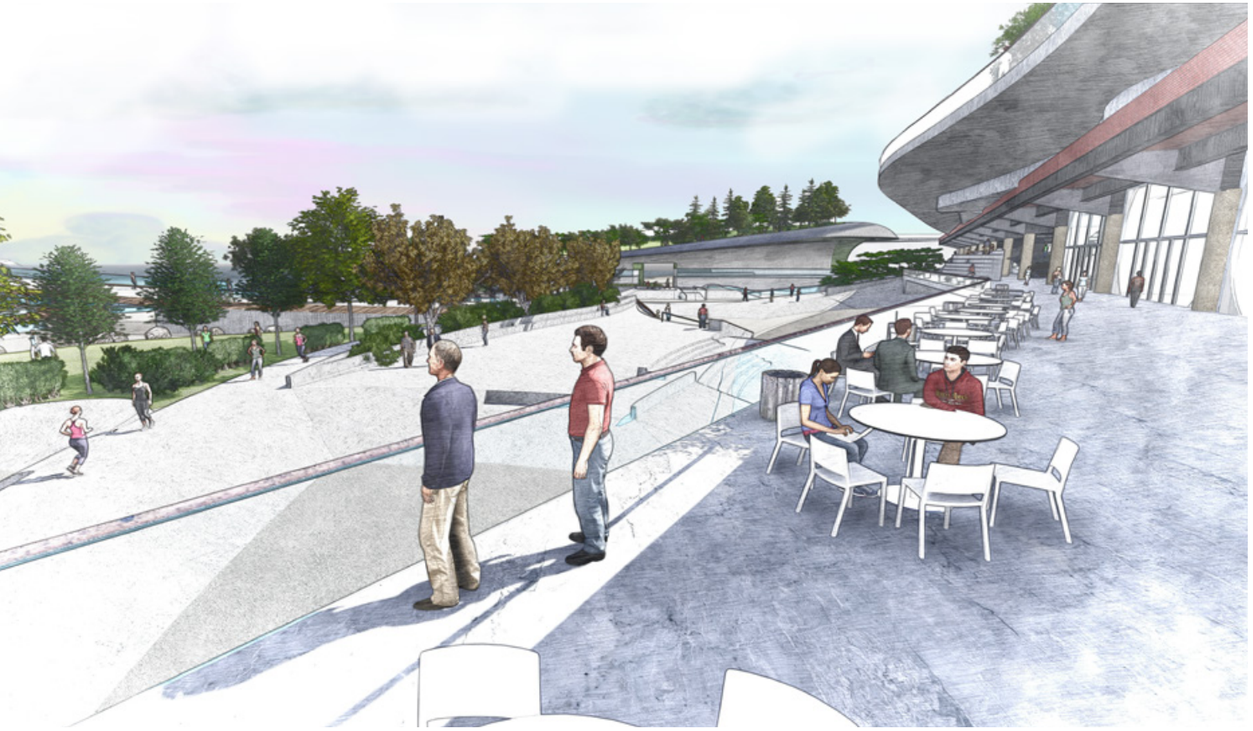
Rendered 3d cut down Market St. - Section C - Rhino, Photoshop & Lumion



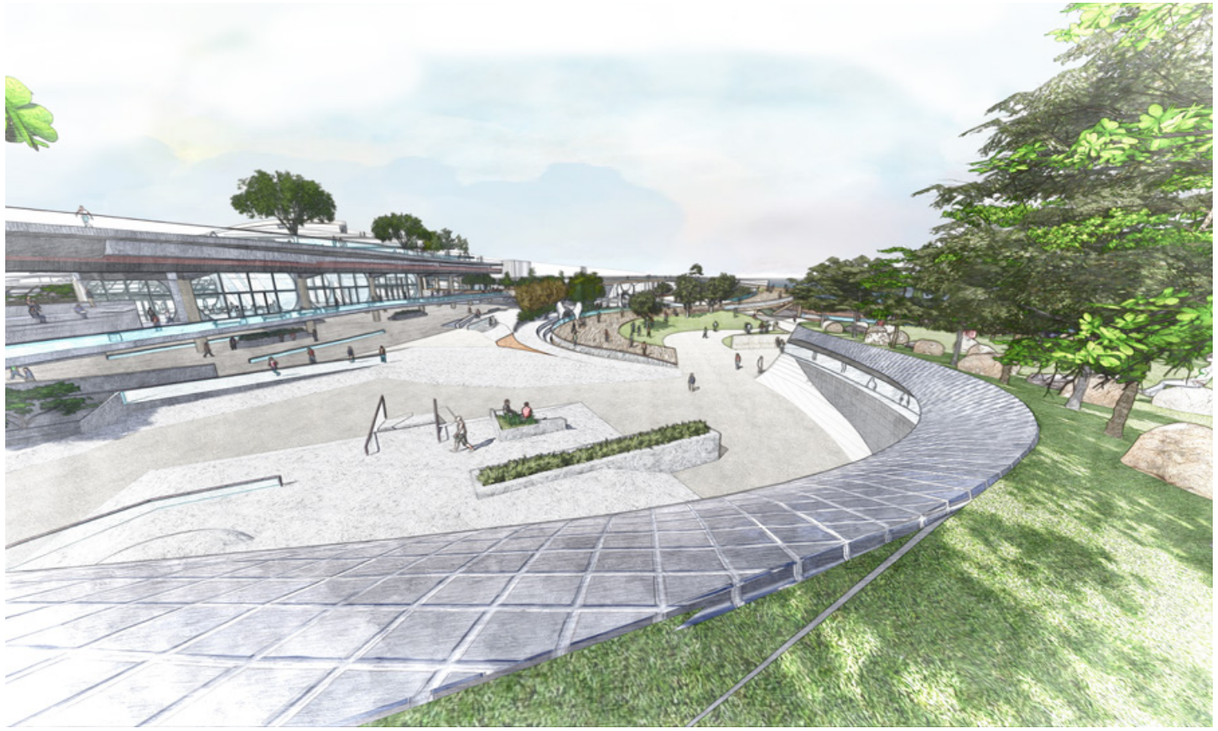
Snake run perspective



Storm water management diagram - Rhino, Photoshop & Lumion



Cafe, dining and retail lookout over plaza



Bio-diverse gathering space - Rhino, Photoshop, & Lumion

LOOP

THE NEW ERA OF TRANSIT

GRADUATE STUDIO III - 2019

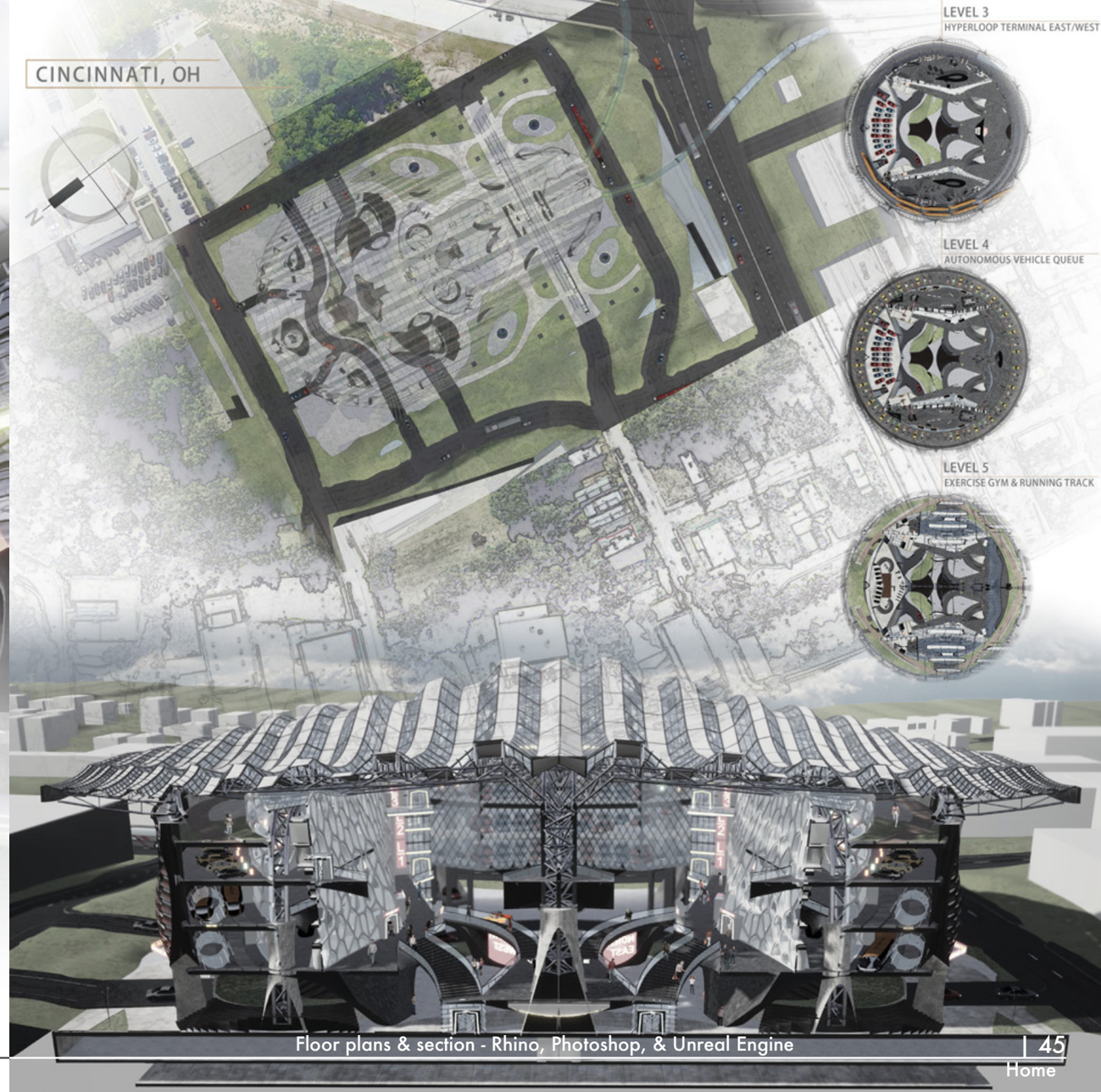
Ming Tang - University of Cincinnati

Set within Cincinnati's rapidly growing education & medical district, "Loop" is a vision for a 2035 transportation hub. The hub accommodates various modes of transportation, including hyperloop, light rail, automated electric cars, & scooters. "Loop" also features an exercise gym, yoga studio, & running track on the top level, accessible to building users, aiming to promote health & wellness within the community.

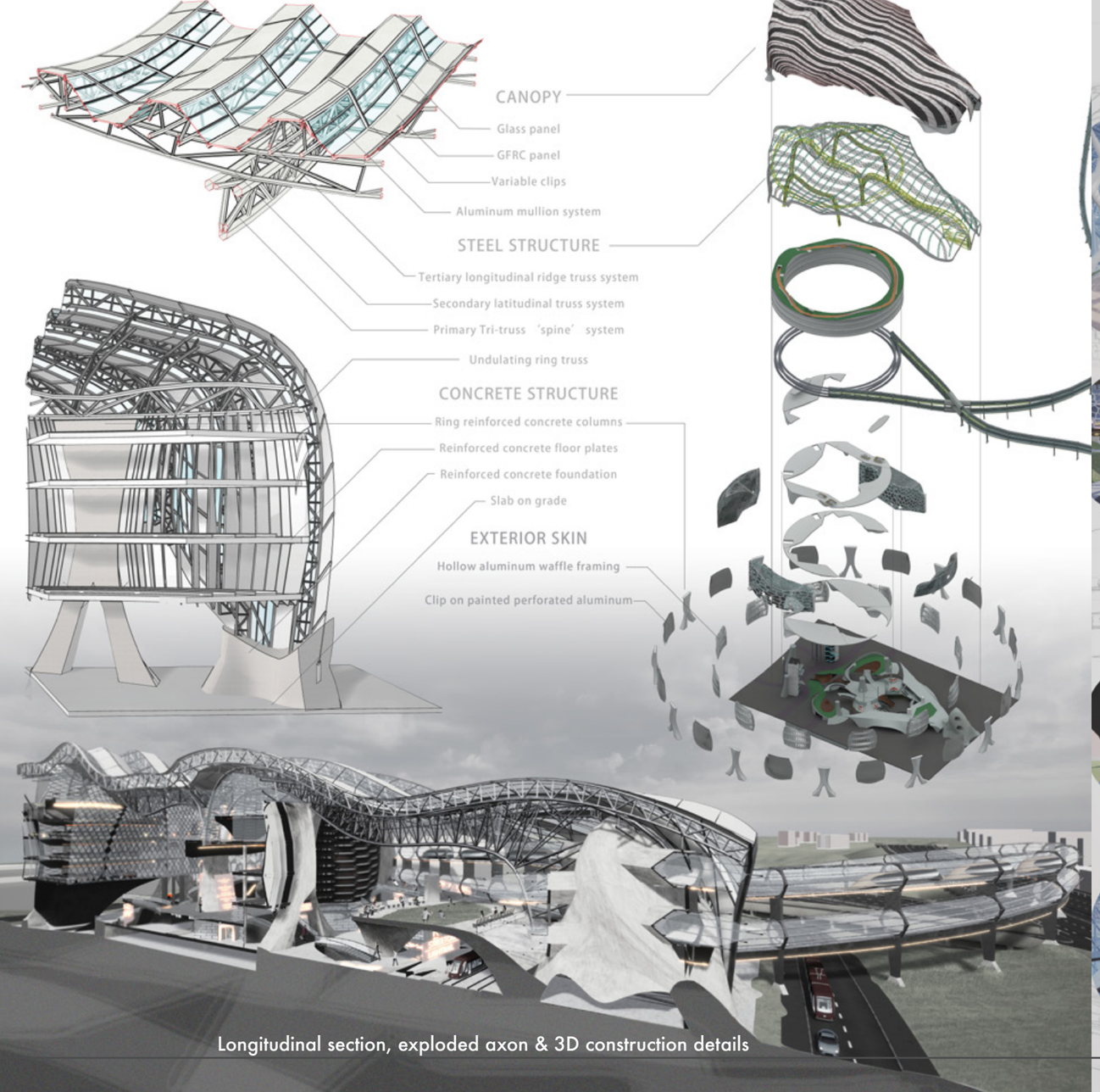
The project was developed through a back-and-forth process between hand sketches & Rhino modeling with the Grasshopper plugin. I wrote custom scripts in Grasshopper that allowed me to automatically generate complex truss & roofing systems based on a simple 3D curved plane. This approach enabled me to quickly modify the building's forms as the program evolved. We also conducted a series of virtual reality eye-tracking studies to aid in the development & analysis of wayfinding strategies.

"Loop" was modeled in Rhino with the Grasshopper plugin & then imported into Unreal Engine, a program used for high-end video game development. I learned how to interface between the two programs in an iterative process. In Unreal Engine, I set up collisions, automations, & interactions, such as a drivable car, which assisted in the eye-tracking studies & analysis of vehicular circulation through the site. Experiencing the design with a virtual reality headset allowed me to better understand the spaces & scale, making real-time changes & iterating within a feedback loop. **The final product was a fully interactive virtual version of the project, capable of connecting to a VR headset for firsthand experience.**

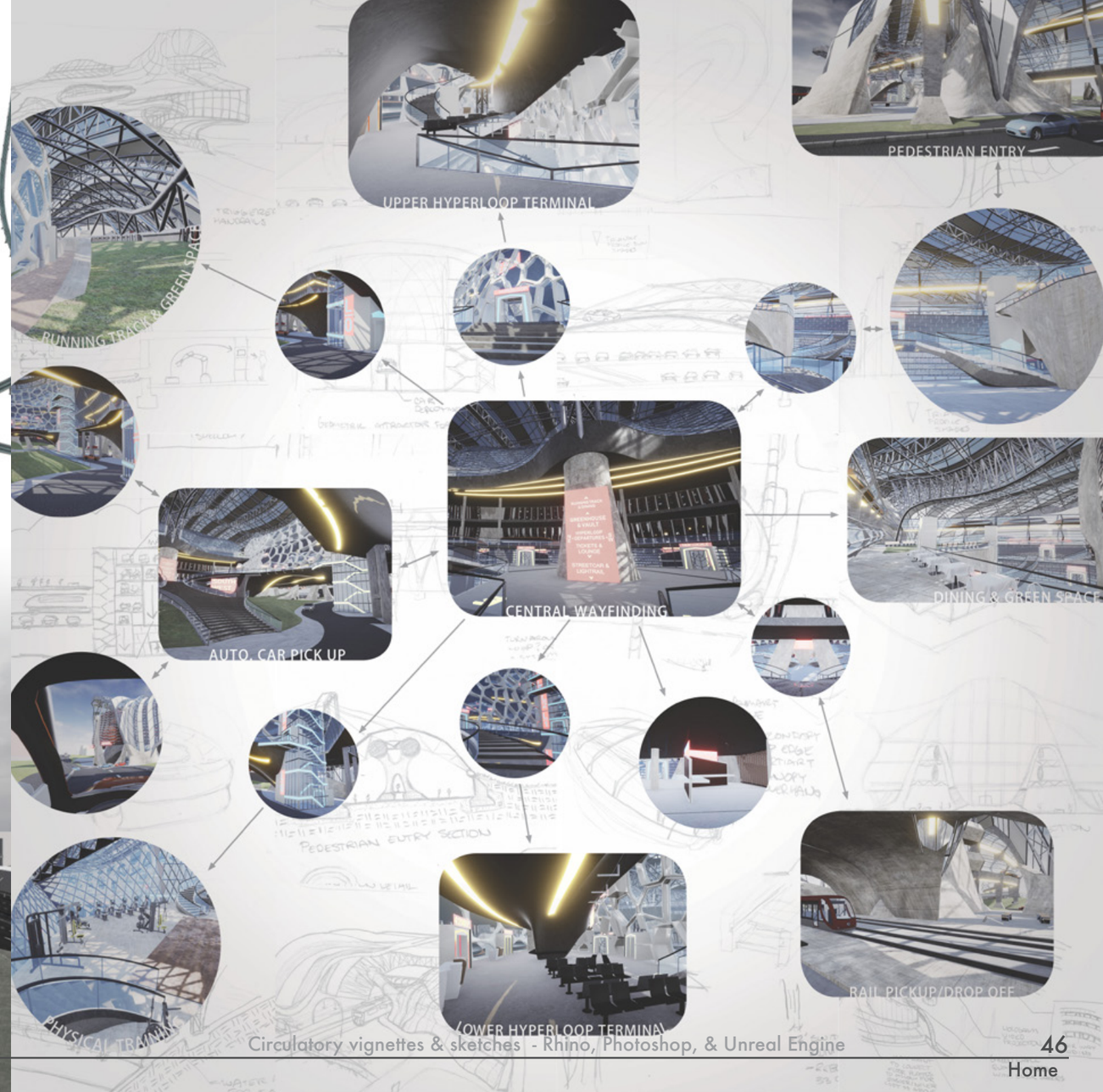
Exterior sculpture garden



Floor plans & section - Rhino, Photoshop, & Unreal Engine

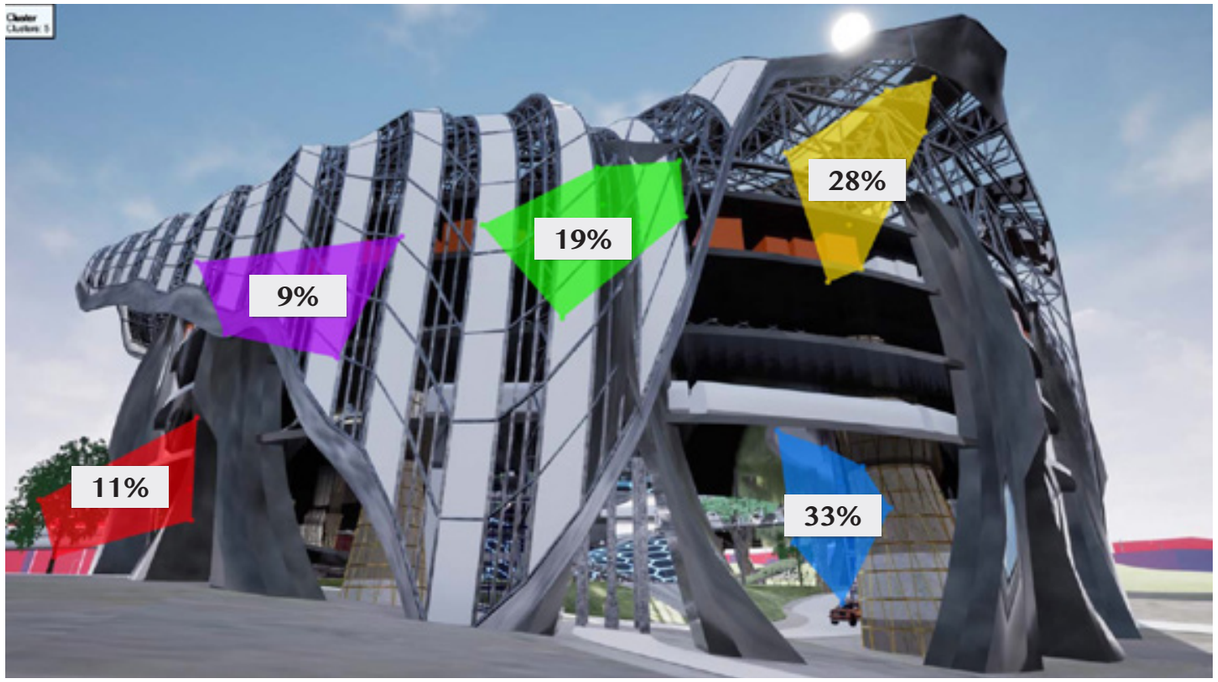


Longitudinal section, exploded axon & 3D construction details

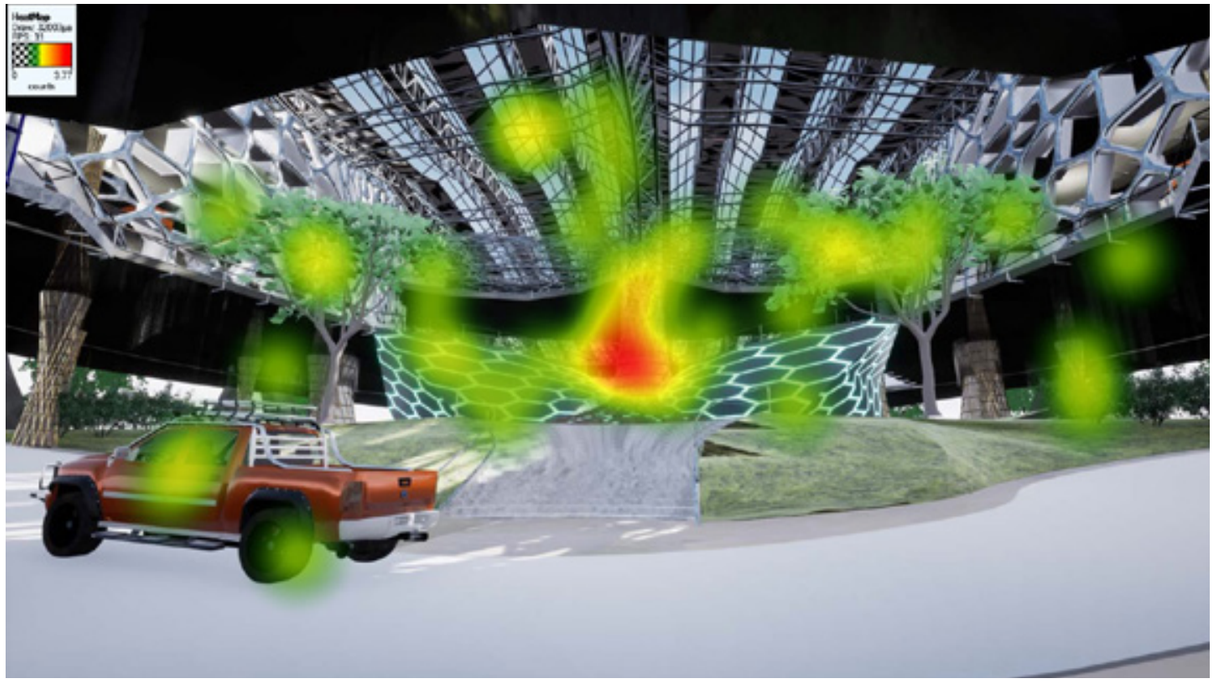


Circulatory vignettes & sketches - Rhino, Photoshop, & Unreal Engine

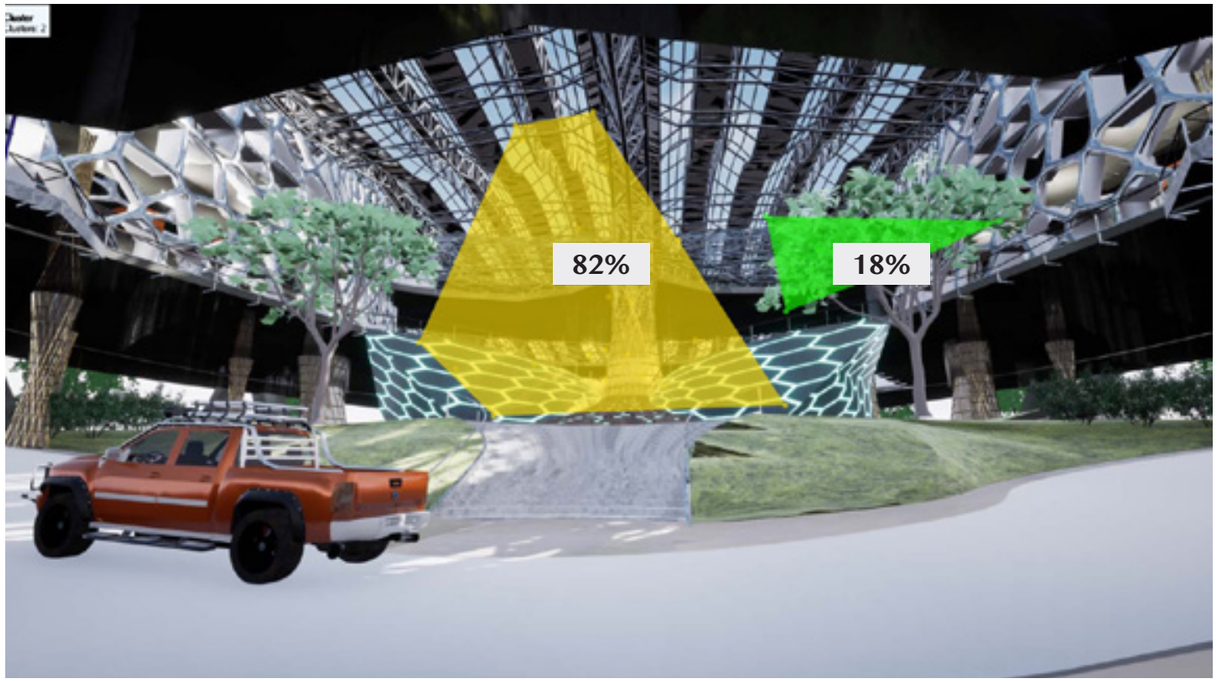
Eye tracking: Heat Map



Eye tracking: Gaze Cluster percentages - Tobii Eye Tracker



Eye tracking: Heat Map



Eye tracking: Gaze Cluster percentages - Tobii Eye Tracker

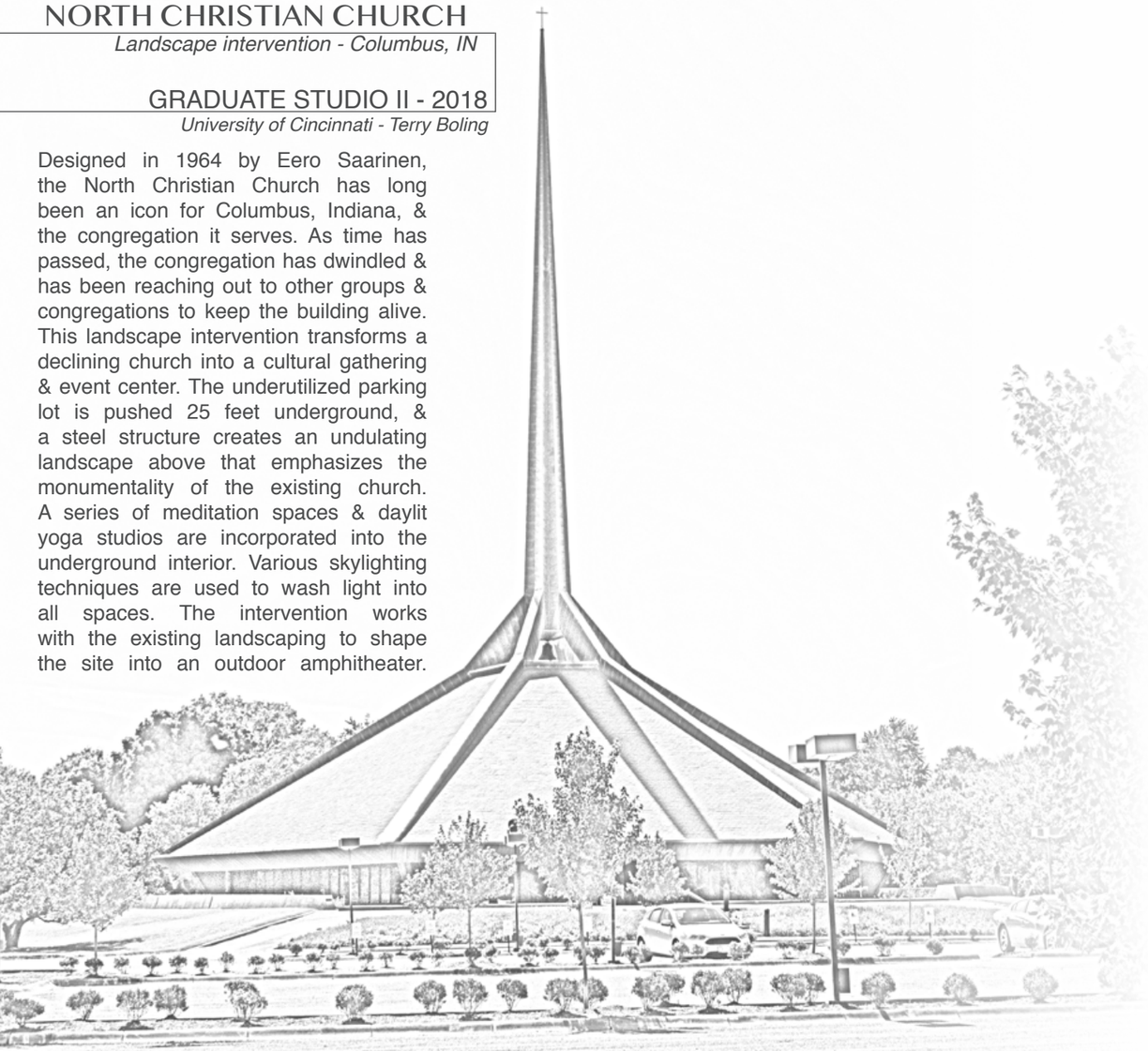
NORTH CHRISTIAN CHURCH

Landscape intervention - Columbus, IN

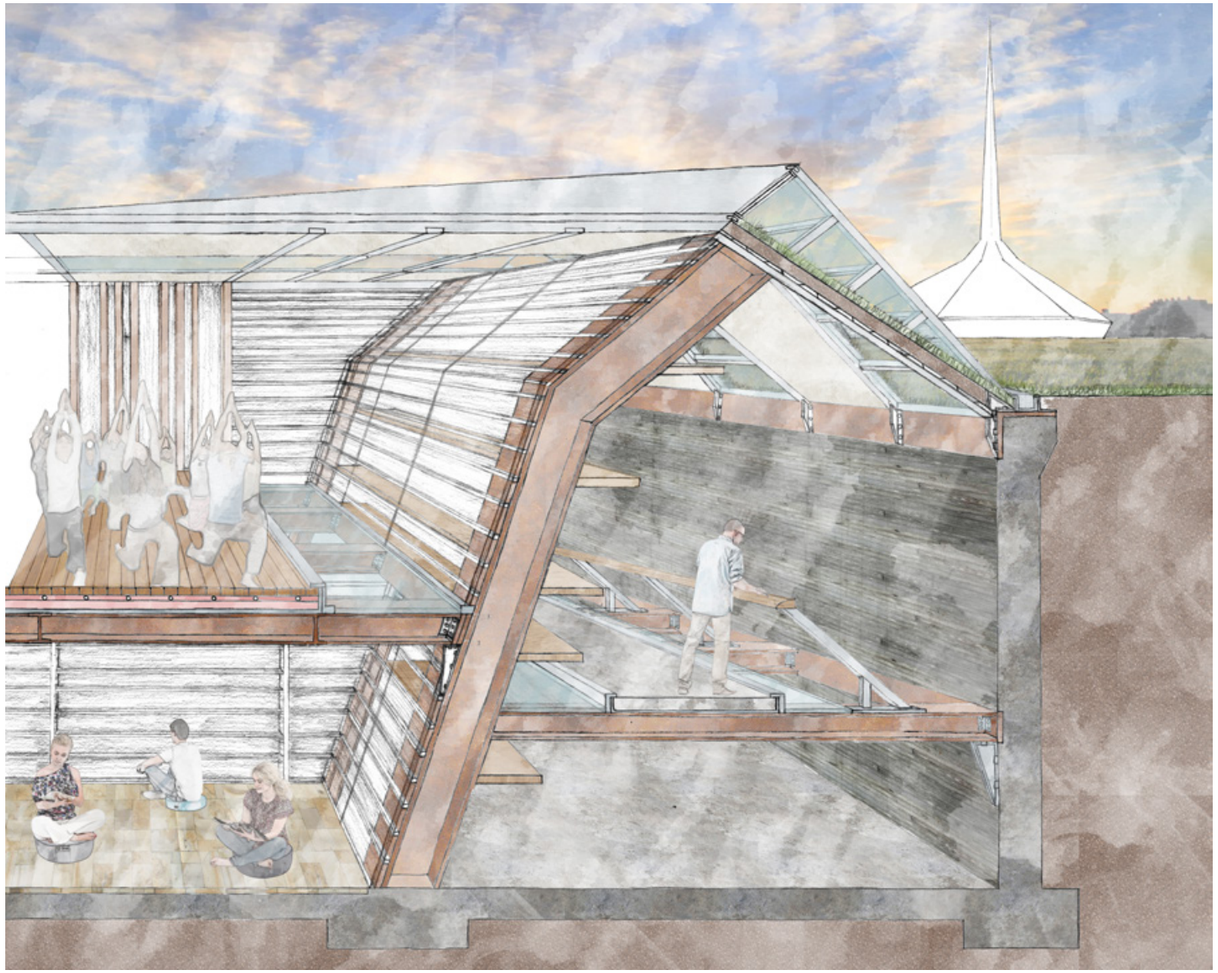
GRADUATE STUDIO II - 2018

University of Cincinnati - Terry Boling

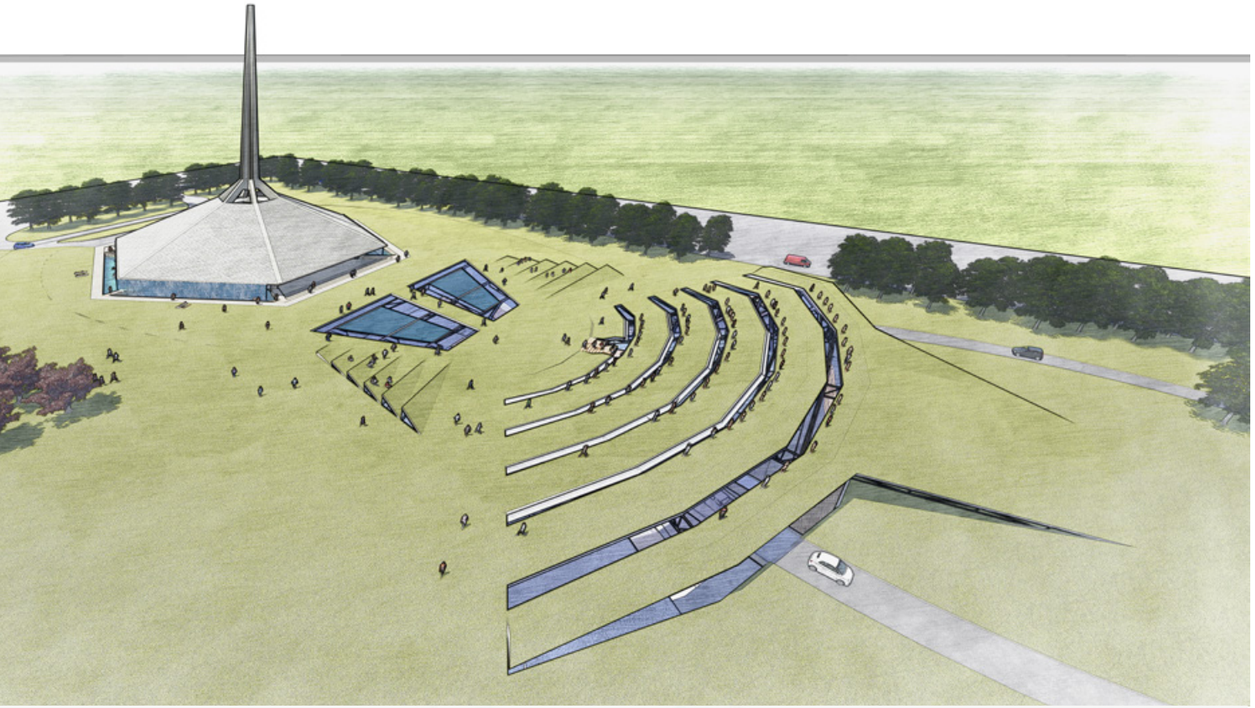
Designed in 1964 by Eero Saarinen, the North Christian Church has long been an icon for Columbus, Indiana, & the congregation it serves. As time has passed, the congregation has dwindled & has been reaching out to other groups & congregations to keep the building alive. This landscape intervention transforms a declining church into a cultural gathering & event center. The underutilized parking lot is pushed 25 feet underground, & a steel structure creates an undulating landscape above that emphasizes the monumentality of the existing church. A series of meditation spaces & daylit yoga studios are incorporated into the underground interior. Various skylighting techniques are used to wash light into all spaces. The intervention works with the existing landscaping to shape the site into an outdoor amphitheater.



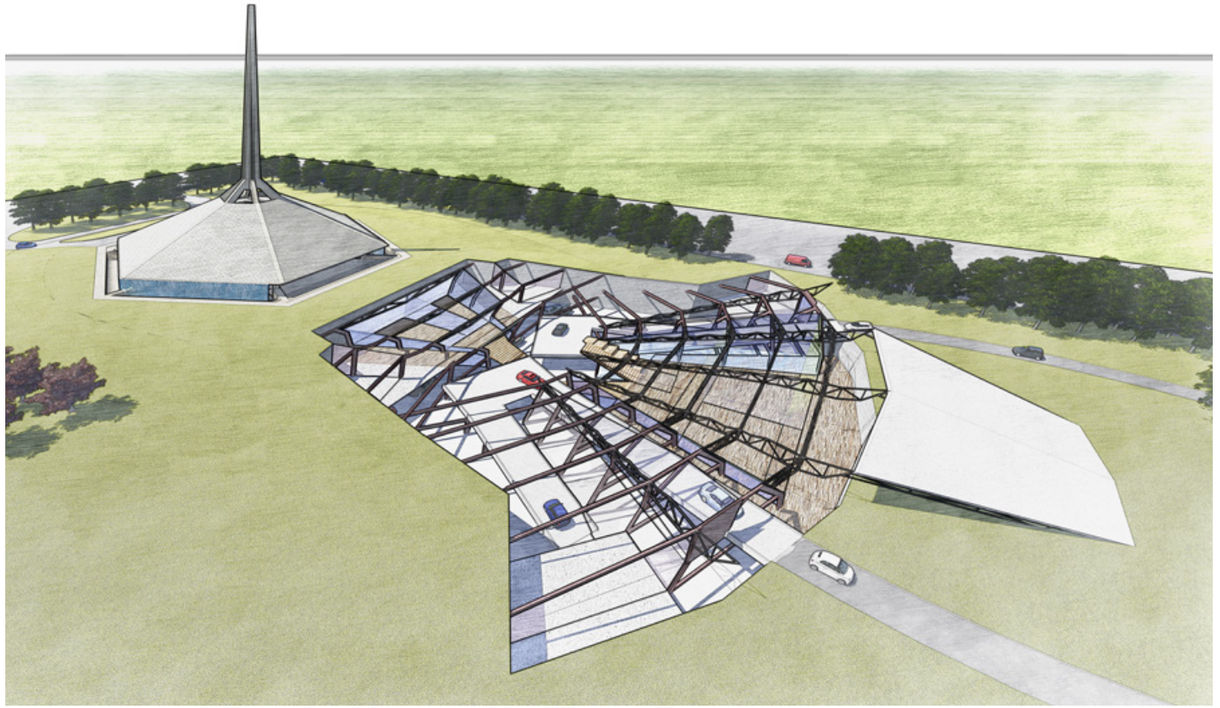
Site photograph



Intervention interior atmospheric perspective - Pencil & Photoshop

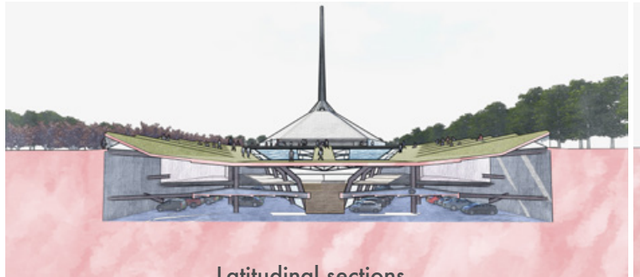


Intervention overview

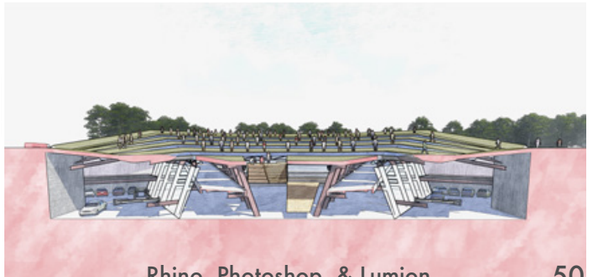


Intervention overview structure

Longitudinal section



Latitudinal sections



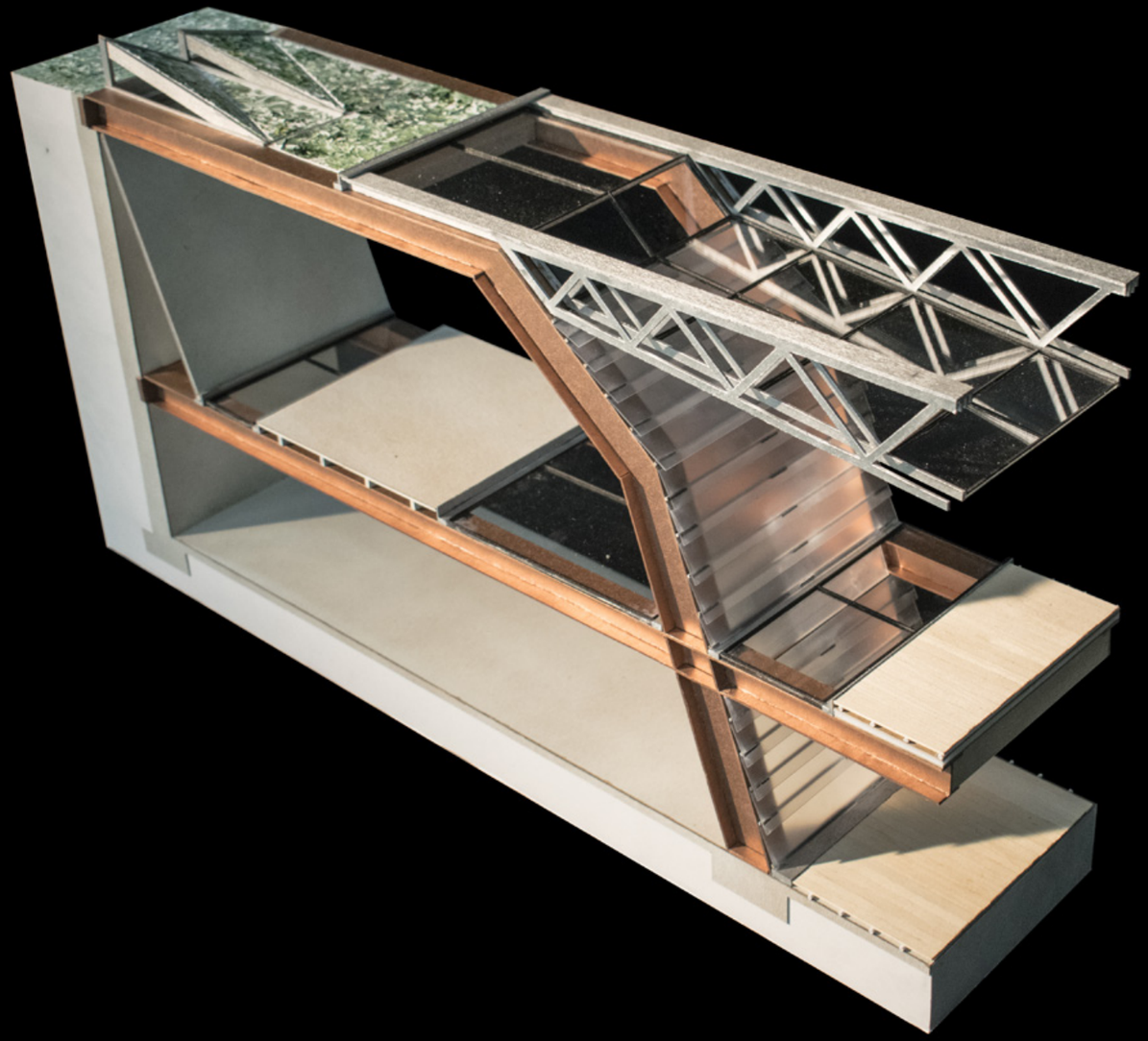
Rhino, Photoshop, & Lumion

Assembly Drawing

Rhino, Photoshop, & Illustrator

Midterm site study model

Study models



Detail bay model - Foam board, chipboard, basswood, bristol, acrylic, & spray paint

Site photo

‘CROSLEY CREATION CENTER’

Brutalist tower adaptive re-use - Cincinnati, OH

GRADUATE STUDIO I - 2017

University of Cincinnati - Vincent Sansalone

Crosley Tower is known by all University of Cincinnati Bearcats as an outdated icon of the university, reminiscent of the dark & heavy brutalist style that dominated large-scale architectural practices in the 60s & 70s. The existing tower houses chemistry & biology classrooms & labs. The Crosley Creation Center is a maker space where science & art meet in a playful manner. Conceptually, **it was key to use the existing 170-foot-tall, continuously poured concrete tower as an armature for a new transparent structure that contrasts with the dark, closed-off concrete mass.** The center serves as a meeting point for the adjacent engineering, chemistry, biology, & art schools. The ground level transforms the parking lot into bike paths, green spaces, & a skateboarding plaza. At the existing five-story terrace level, where the adjacent engineering building meets Crosley Tower, a new bamboo garden & green spaces invite students to gather & enter the building. The form extends over the south side of the building, leaving the north side to remain as a piece of the University of Cincinnati’s history.

Relaxation & leisure space bird’s eye perspective - Rhino, Photoshop, & Lumion

Exploded plan & programmatic diagram

Green space, skateboard plaza & entrance - Rhino, Photoshop, & Lumion

Terrace and exterior - Rhino, Photoshop, & Lumion

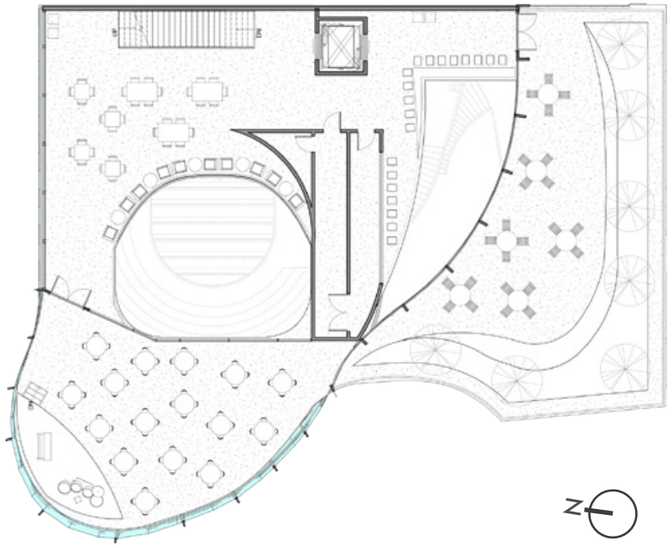
‘THE WOODSHED’

Jazz institute - South Philadelphia

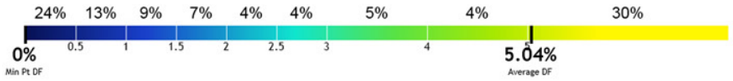
STUDIO IV - 2016

Temple University - Clifton Fordham

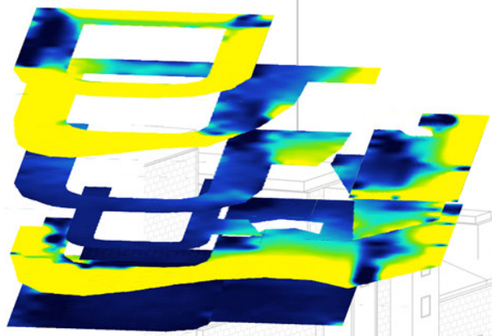
A jazz institute at the intersection of Broad St. & Kater St. presented me with a need for originality, due to its close proximity to prominent theaters & art galleries on Philadelphia’s Main Line. This building **rethinks the typical separation between practicing & performing by opening up the central performance space to the public dining & gathering spaces above.** The form & facade of the building remain linear where it meets the apartments on each side, but it breaks from that condition when the facade is parallel with Broad St., with an expressive curve that elevates & protrudes the small performance space toward Broad St., yielding a scenic backdrop of City Hall & Philadelphia’s skyline. **This project is published on Temple Architecture’s website** as part of a select group of projects from this studio. I was also chosen to teach this project to a group of students as part of an introductory design class.

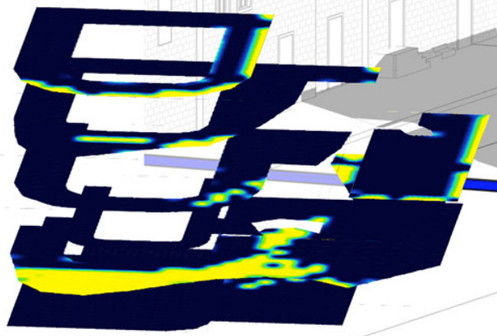


Third floor plan



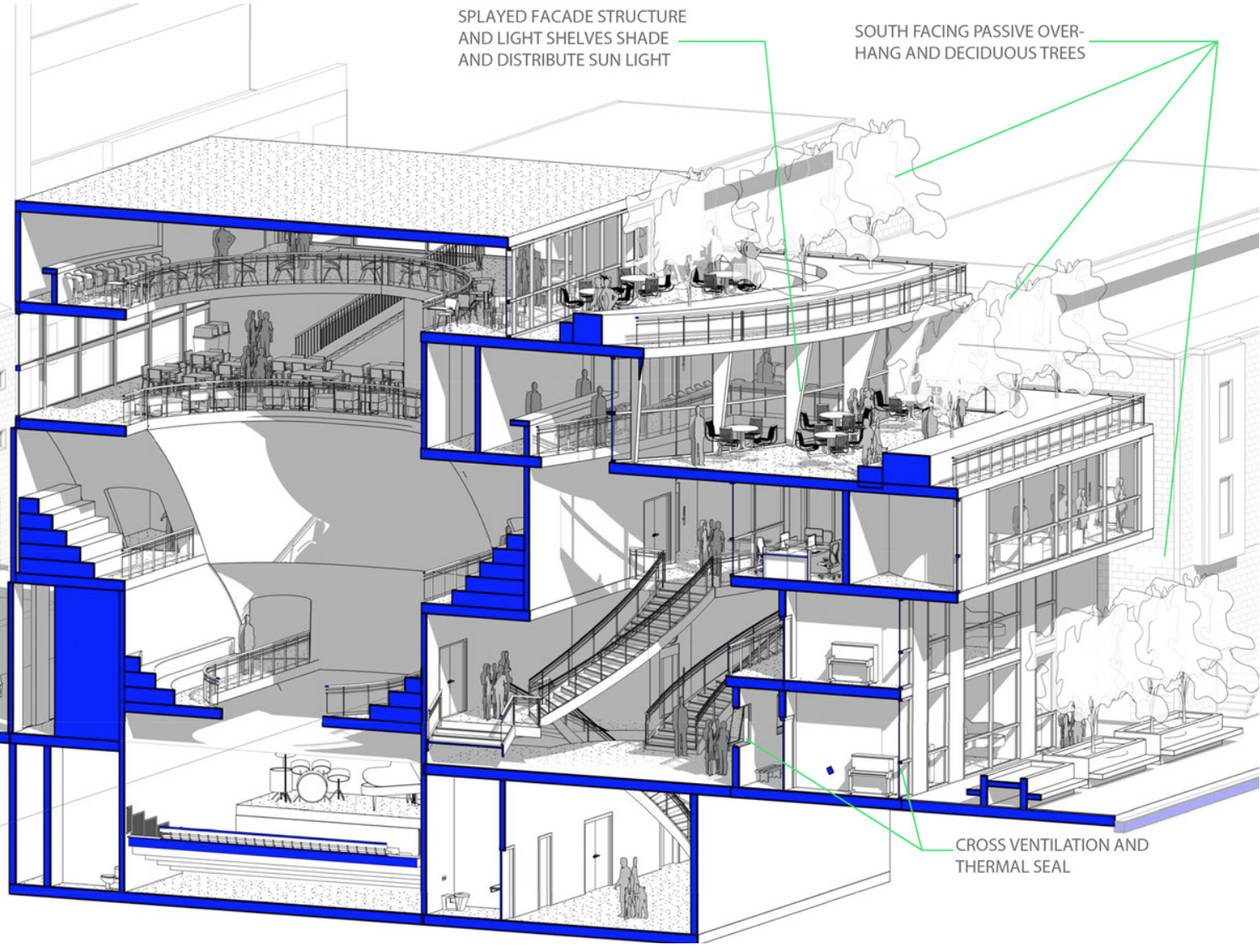
PERCENT OF ANNUAL DAYLIGHT FACTOR



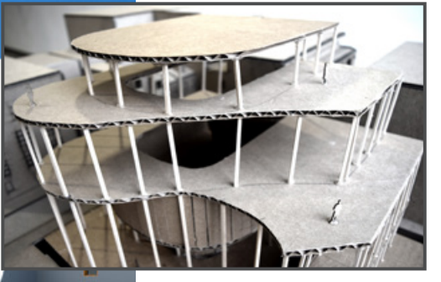


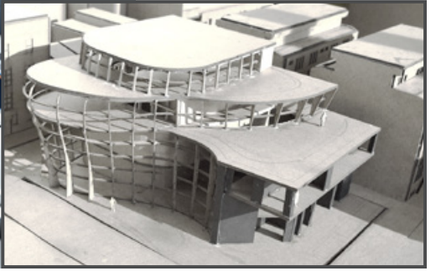
PERCENT OF TIME THERE IS 3 OR MORE HOURS OF DIRECT SUNLIGHT ON A SINGLE DAY (SUMMER SOLSTICE)

Daylighting analysis



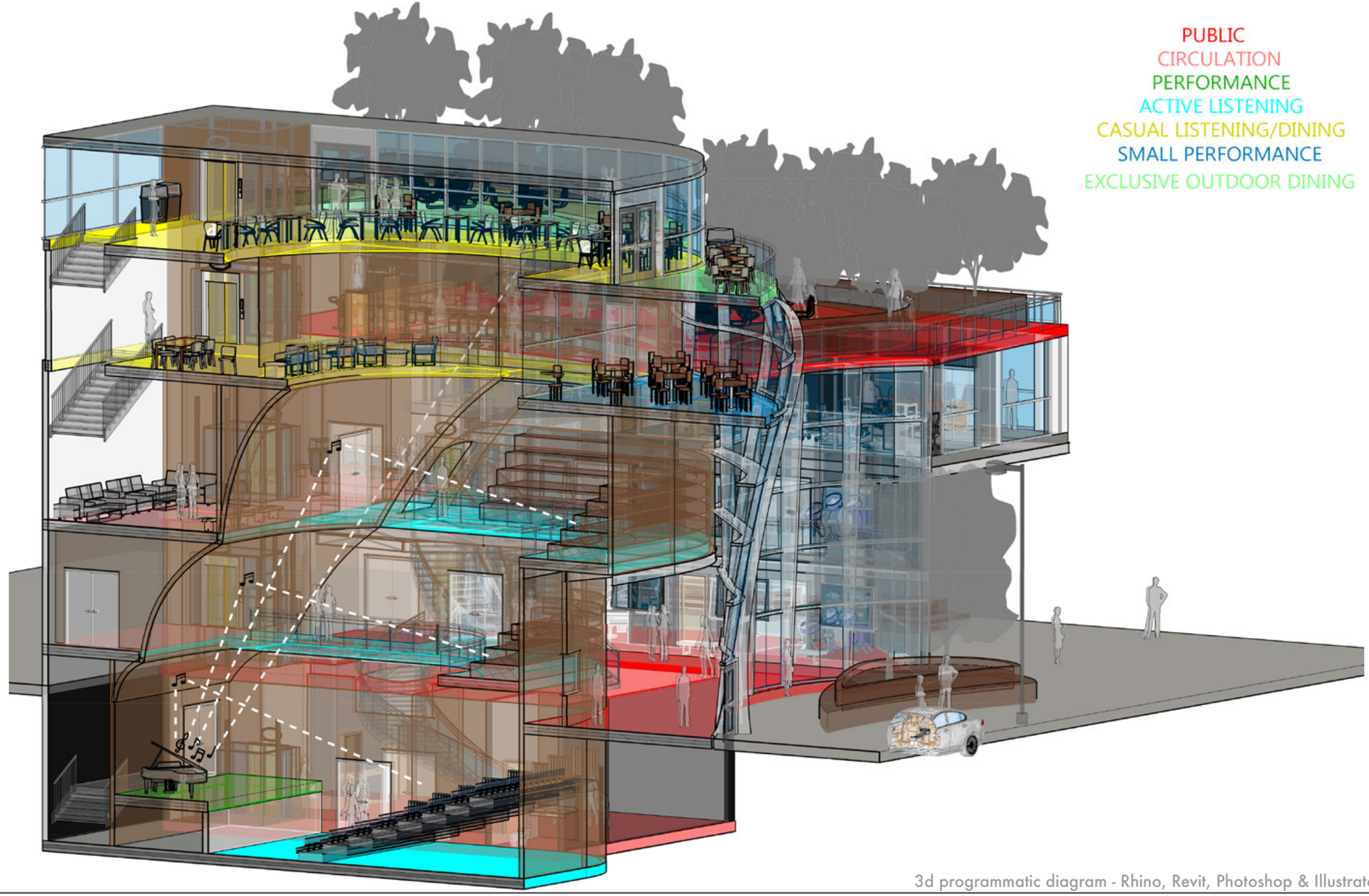
3d section sustainability diagram - Rhino, Revit, Sefaira, Photoshop & Illustrator





Broad St. West render - Rhino, Revit, & Photoshop

Iterative modeling process - Chipboard, basswood & cardboard



3d programmatic diagram - Rhino, Revit, Photoshop & Illustrator

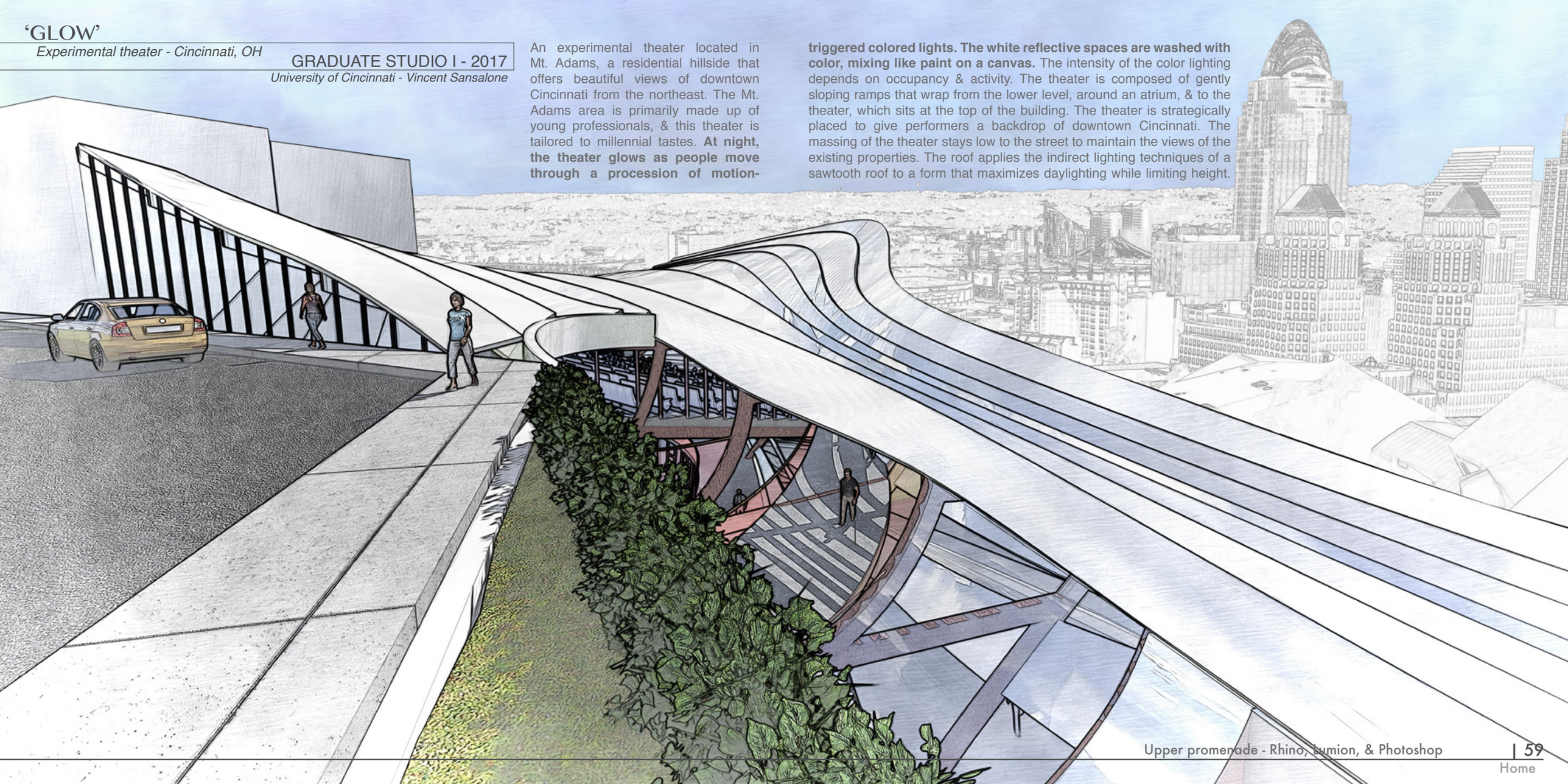
‘GLOW’

Experimental theater - Cincinnati, OH

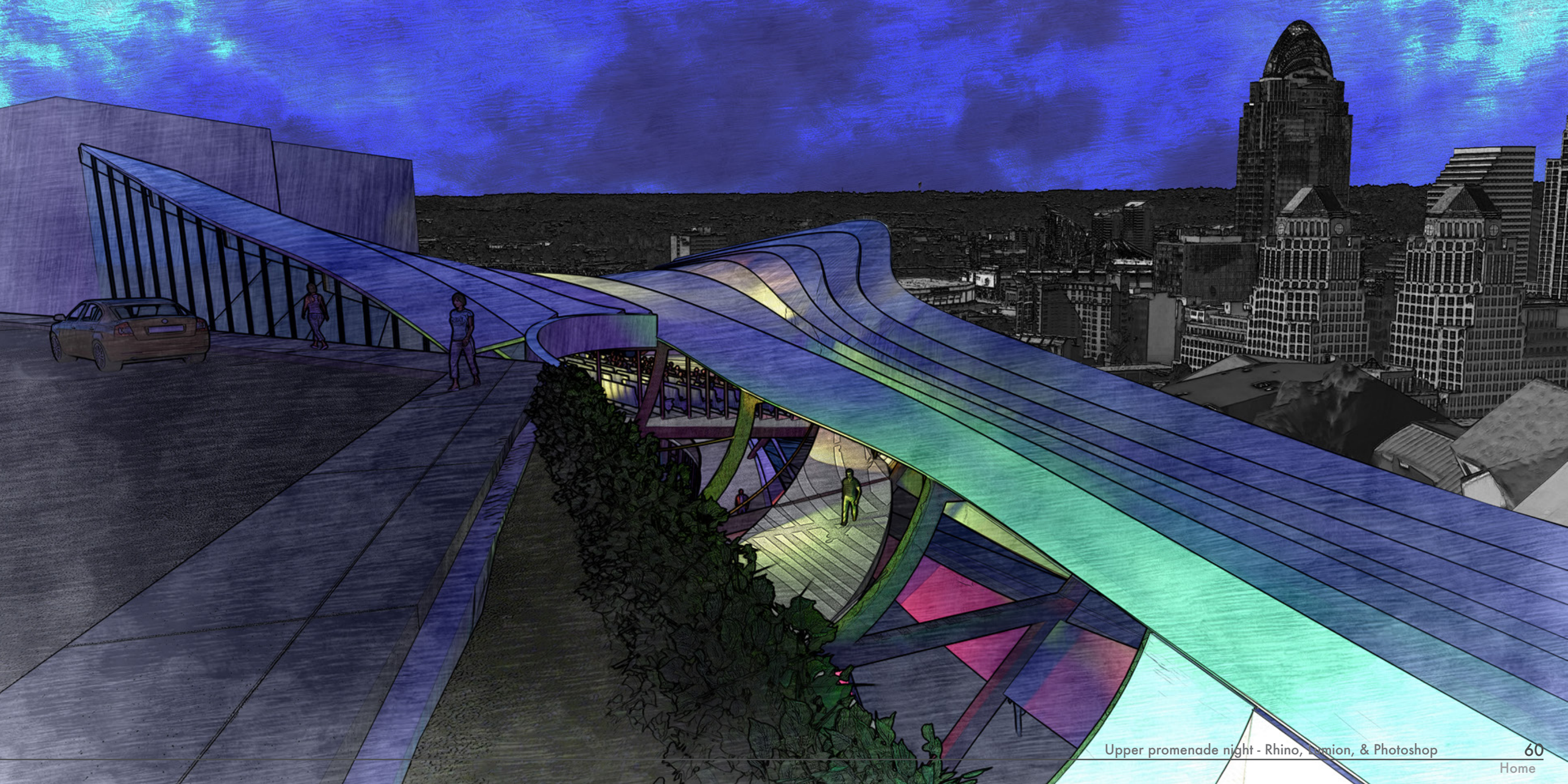
GRADUATE STUDIO I - 2017

University of Cincinnati - Vincent Sansalone

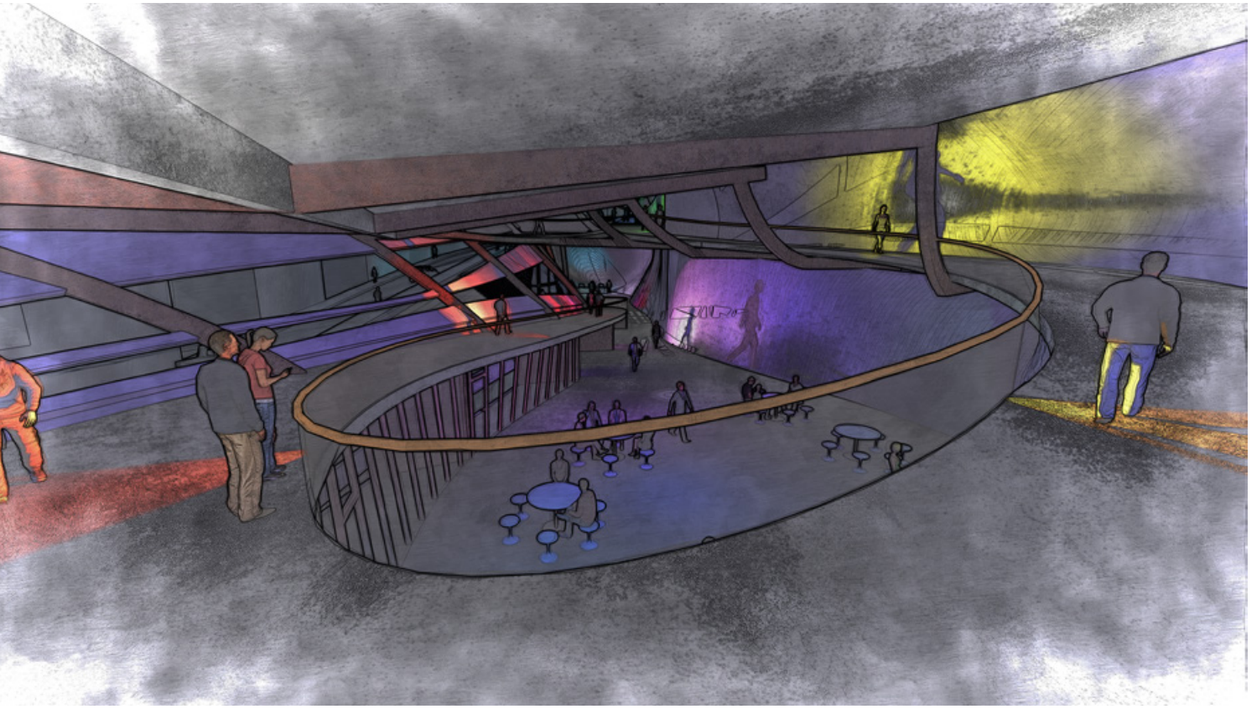
An experimental theater located in Mt. Adams, a residential hillside that offers beautiful views of downtown Cincinnati from the northeast. The Mt. Adams area is primarily made up of young professionals, & this theater is tailored to millennial tastes. **At night, the theater glows as people move through a procession of motion-triggered colored lights. The white reflective spaces are washed with color, mixing like paint on a canvas.** The intensity of the color lighting depends on occupancy & activity. The theater is composed of gently sloping ramps that wrap from the lower level, around an atrium, & to the theater, which sits at the top of the building. The theater is strategically placed to give performers a backdrop of downtown Cincinnati. The massing of the theater stays low to the street to maintain the views of the existing properties. The roof applies the indirect lighting techniques of a sawtooth roof to a form that maximizes daylighting while limiting height.



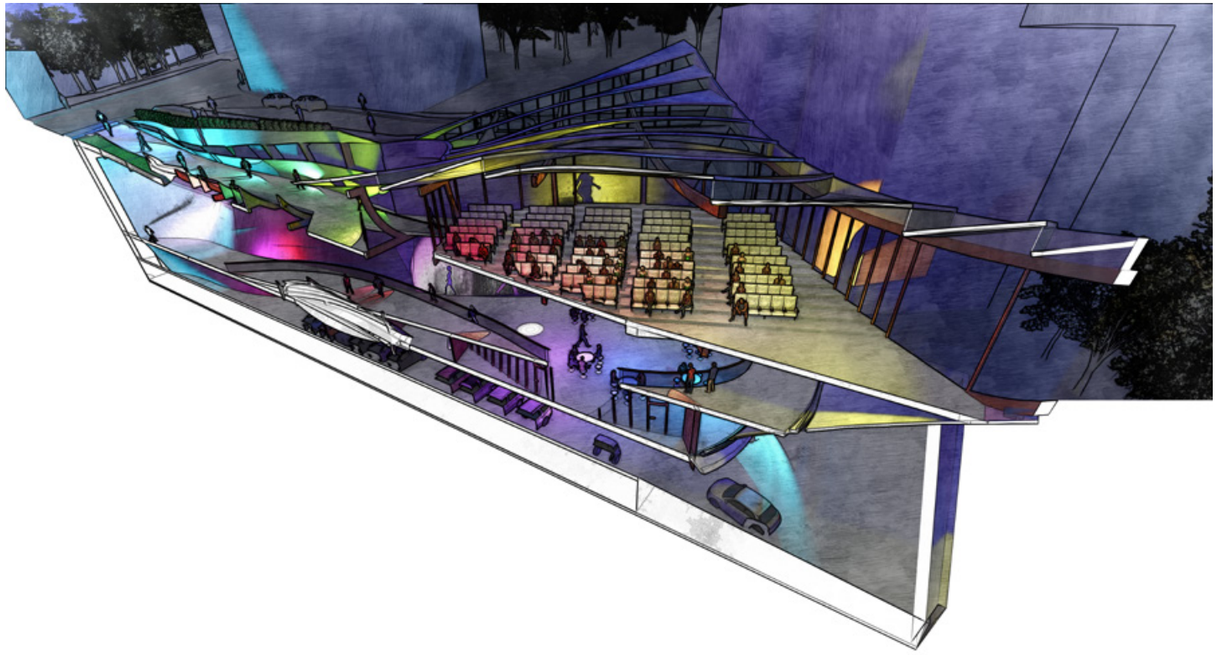
Upper promenade - Rhino, Lumion, & Photoshop



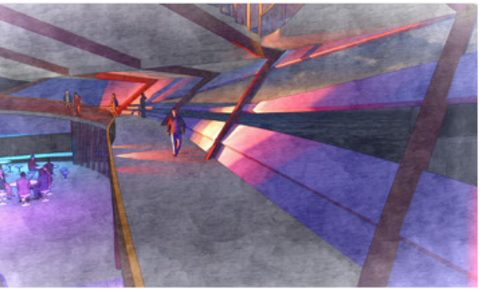
Upper promenade night - Rhino, Lumion, & Photoshop

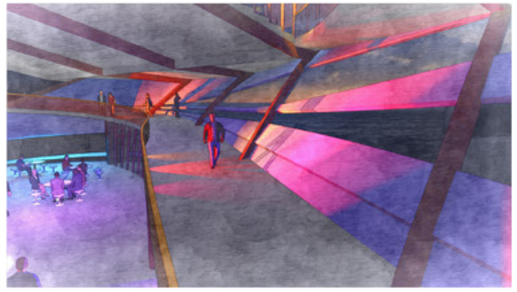


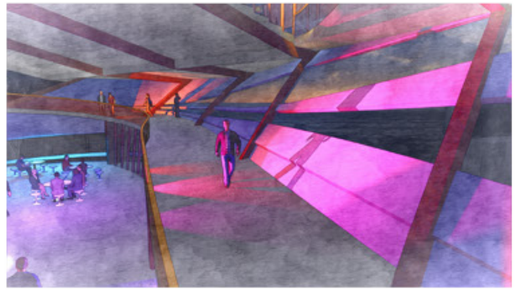
Main circulation space

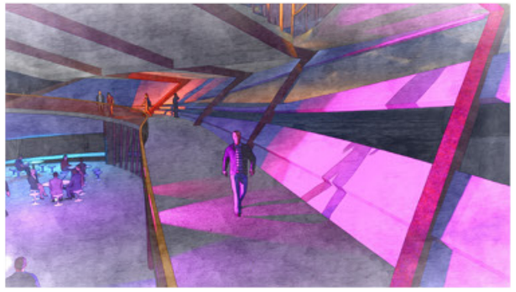


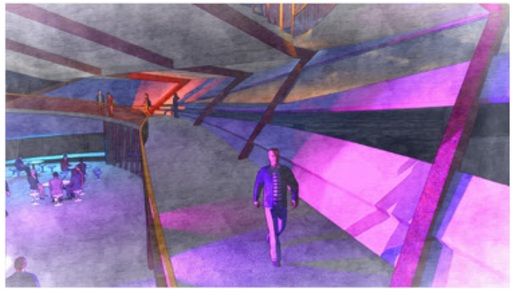
3D Section

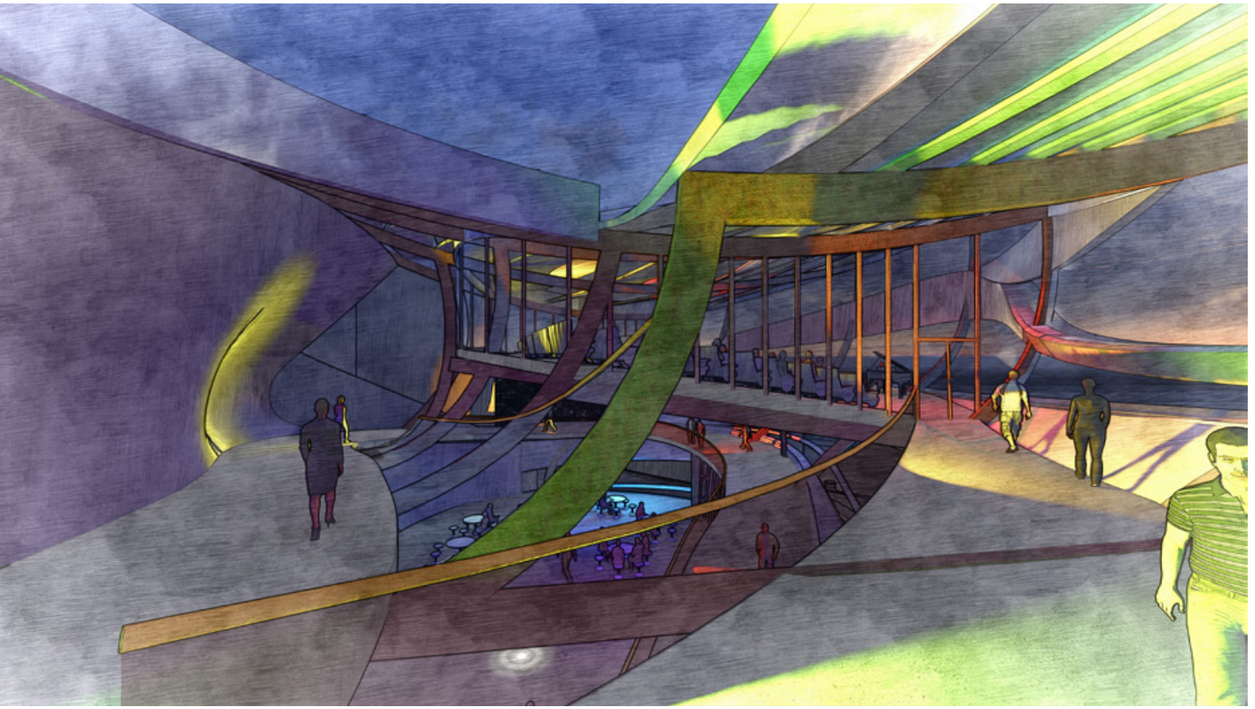




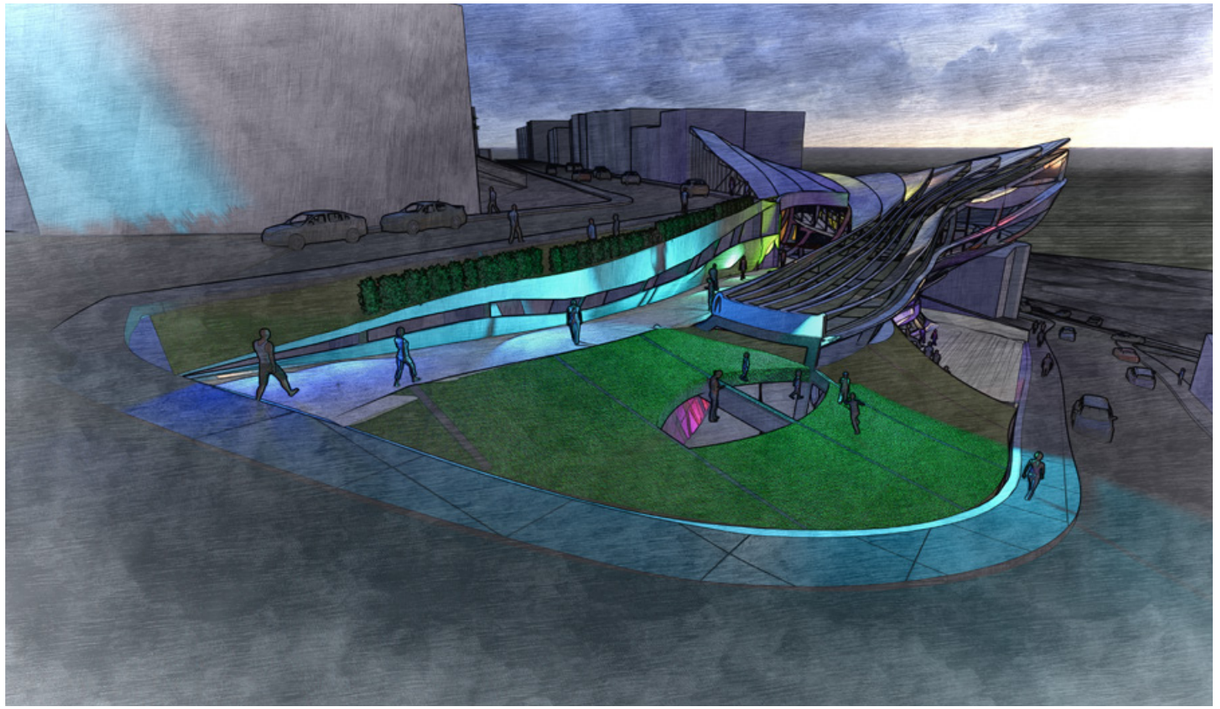




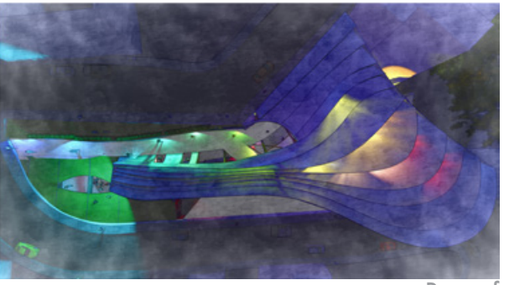




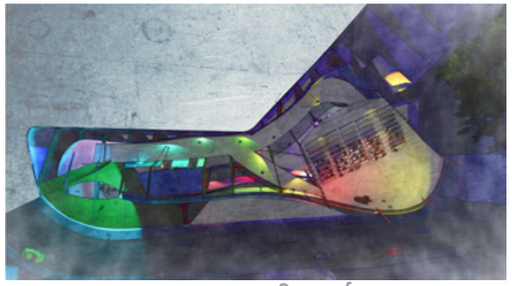
Theater entrance



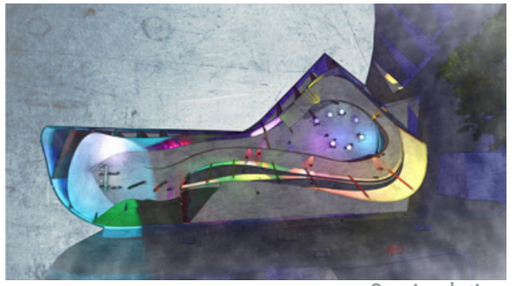
Top entrance



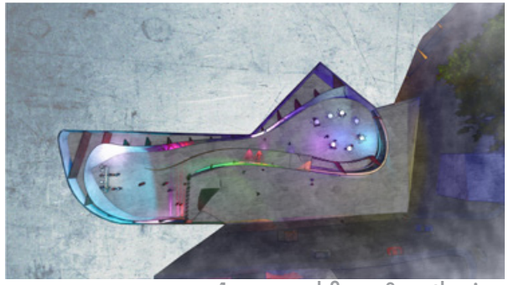
R - roof



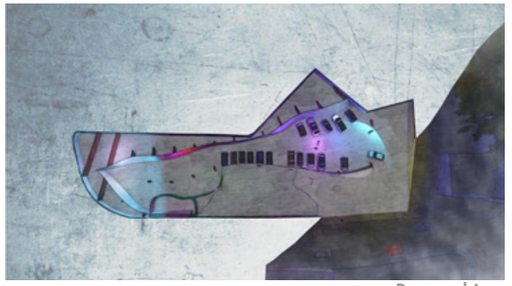
3 - performance space



2 - circulation



1 - ground floor & gathering



B - parking

Rendered floor plans - Rhino, Lumion, & Photoshop

MYYRMAKI CHURCH, JUHA LEIVISKA

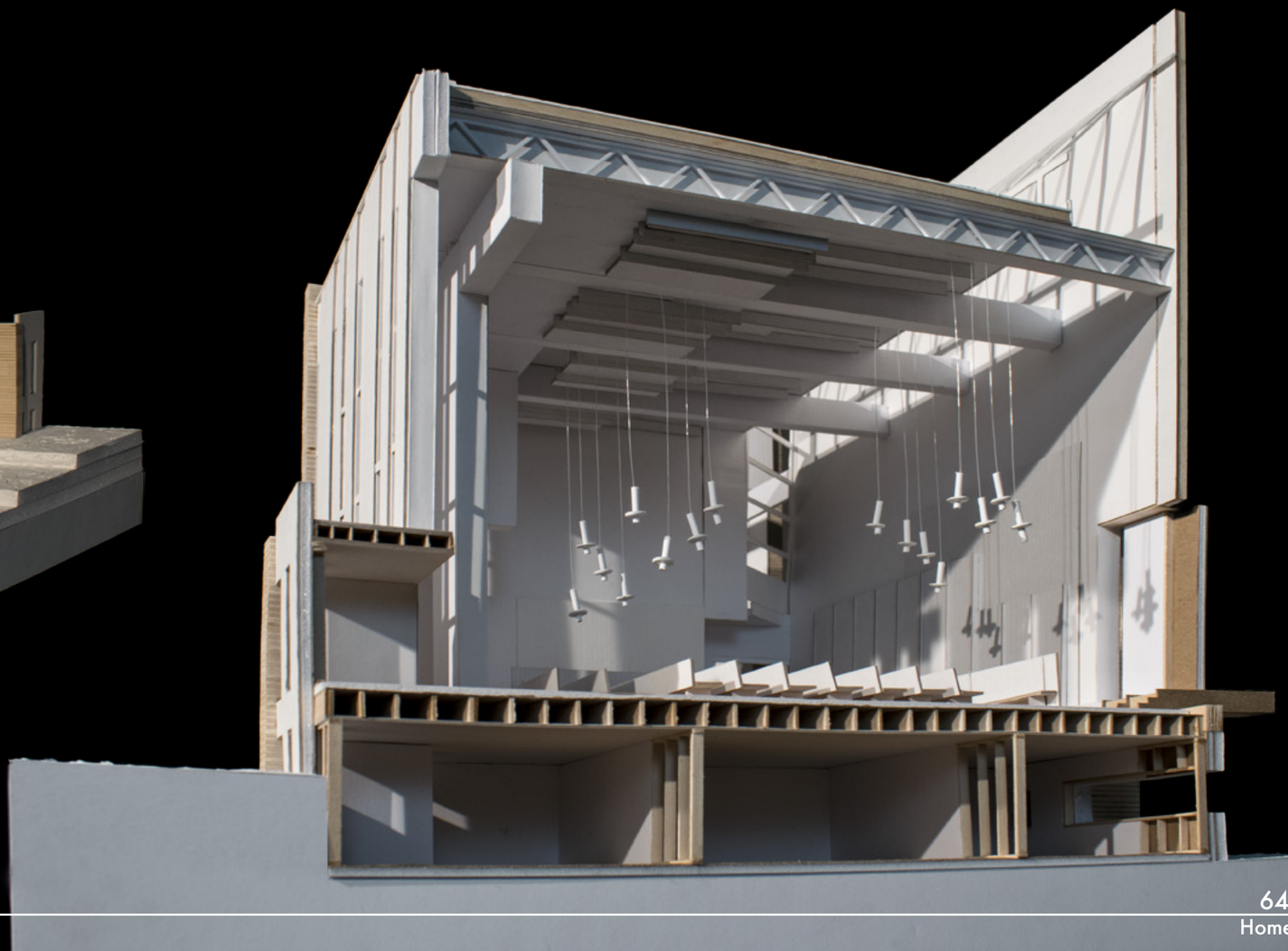
Case study model making - Vantaa, Finland

GRADUATE STUDIO II - 2018

University of Cincinnati - Terry Boling

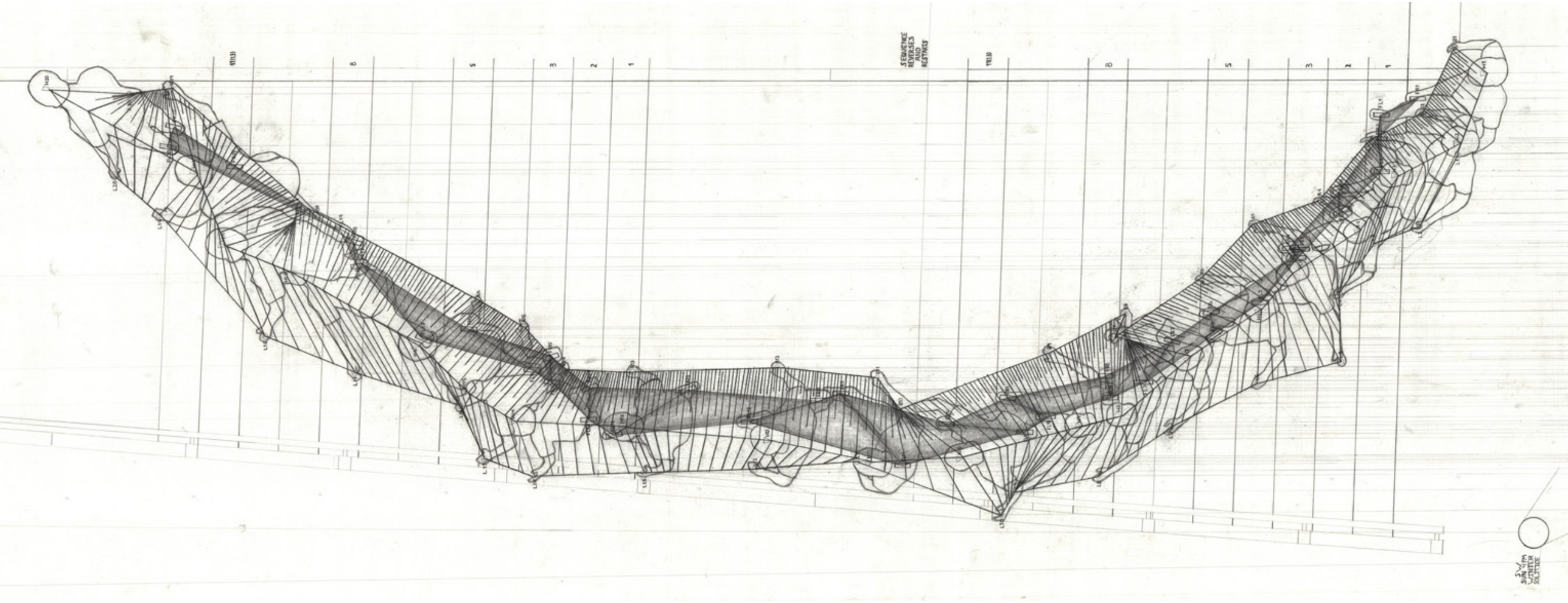
A case study on details & construction, this model breaks down the pristine white interior into a series of construction details that capture Leiviskä's intentional use of layering. I was in charge of model management & construction, while my group member Kevin Xu worked on the drawings & assisted with construction.

Detail model - Foam board, chipboard, basswood, & bristol

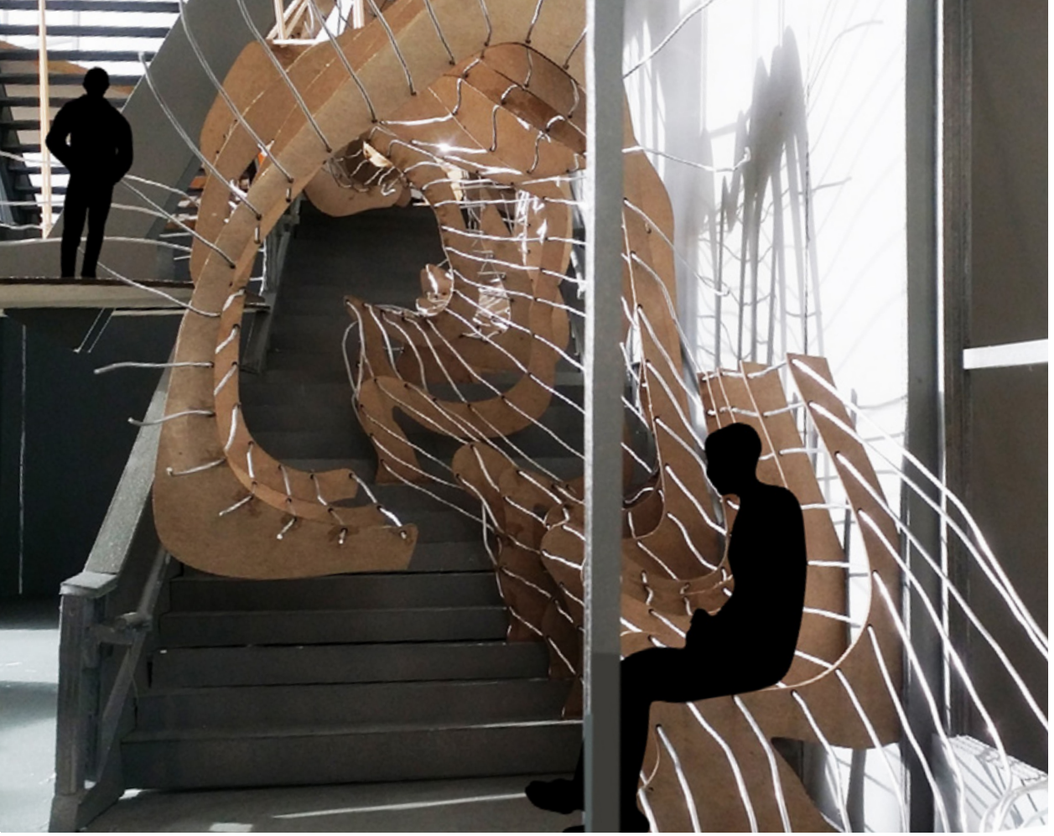


Detail model - Foam board, chipboard, basswood, & bristol

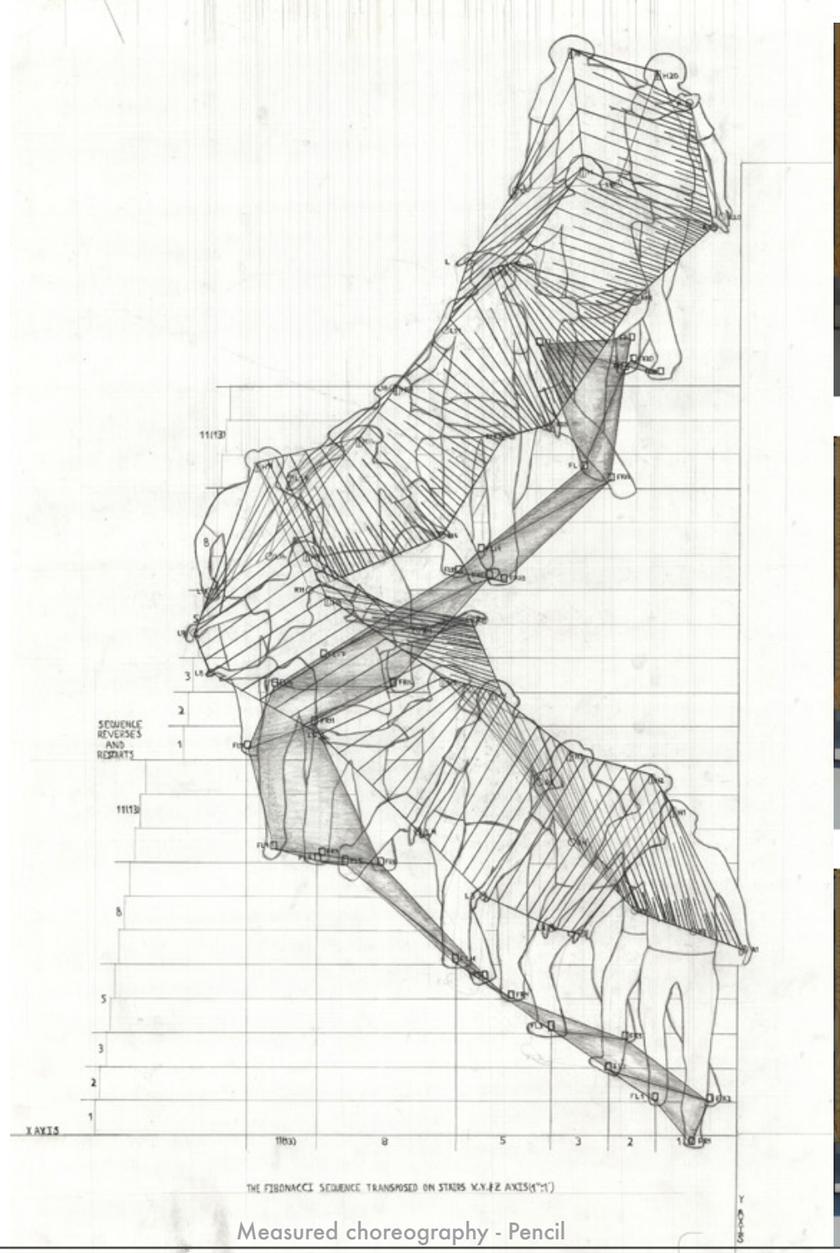
The sequence 1, 1, 2, 3, 5, 8, 13 is translated into feet & transposed as markers for choreography along the x, y, & z axes of the stairs. This sequence is repeated, restarted, & reversed at the landing to complete the movement. The choreography serves as a means of studying the space the body creates while moving through a structured path. **The drawings explore how the contraction & expansion of the body create an envelope, and how this envelope may be translated into architectural spaces.** The installation derives its form from the envelope developed through the choreography, then creates public spaces & seating around the existing architecture by using steel cantilevers that structure the wooden ribs, which support seating below with lofted, thick aluminum wire.



Measured choreography - Pencil

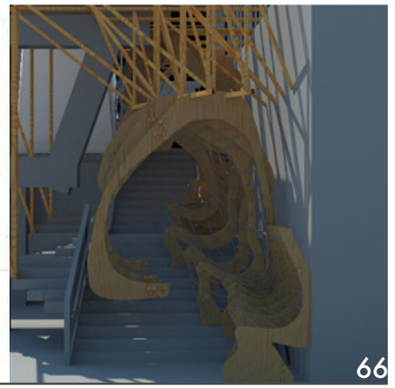


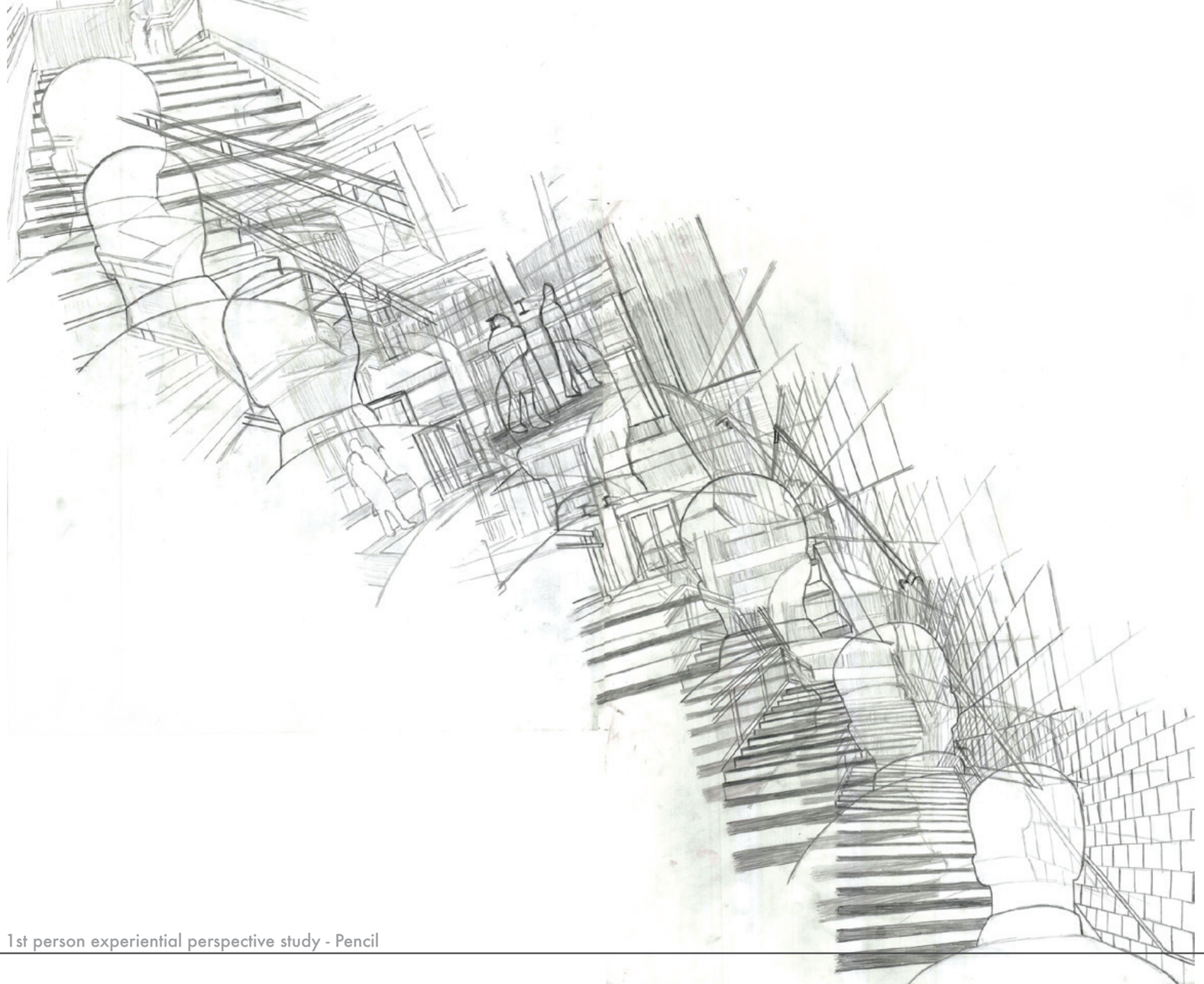
Hand model - Wire, foamcore, chipboard, basswood, & spray paint



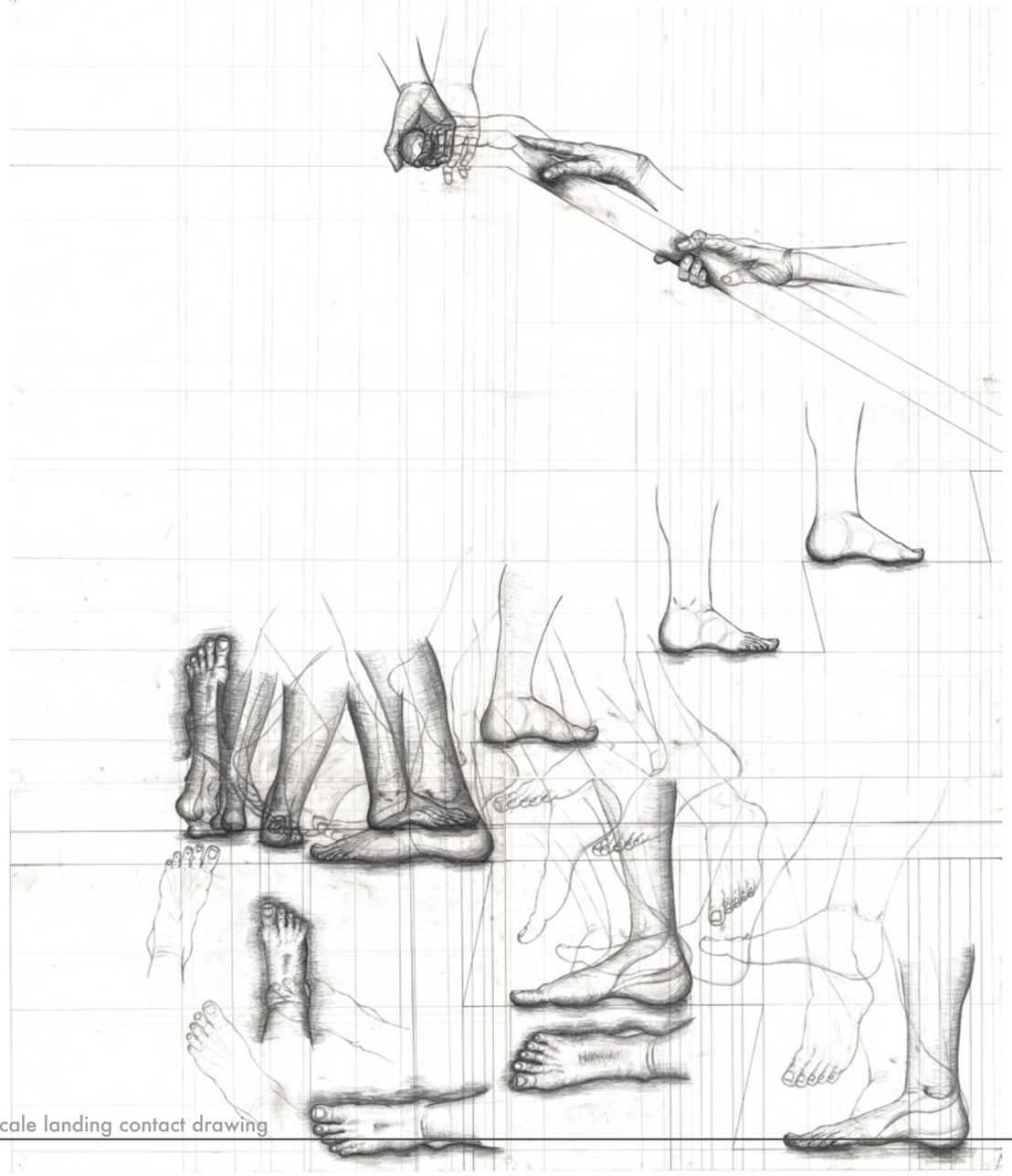
Measured choreography - Pencil

Daylighting Vignettes - Rhino

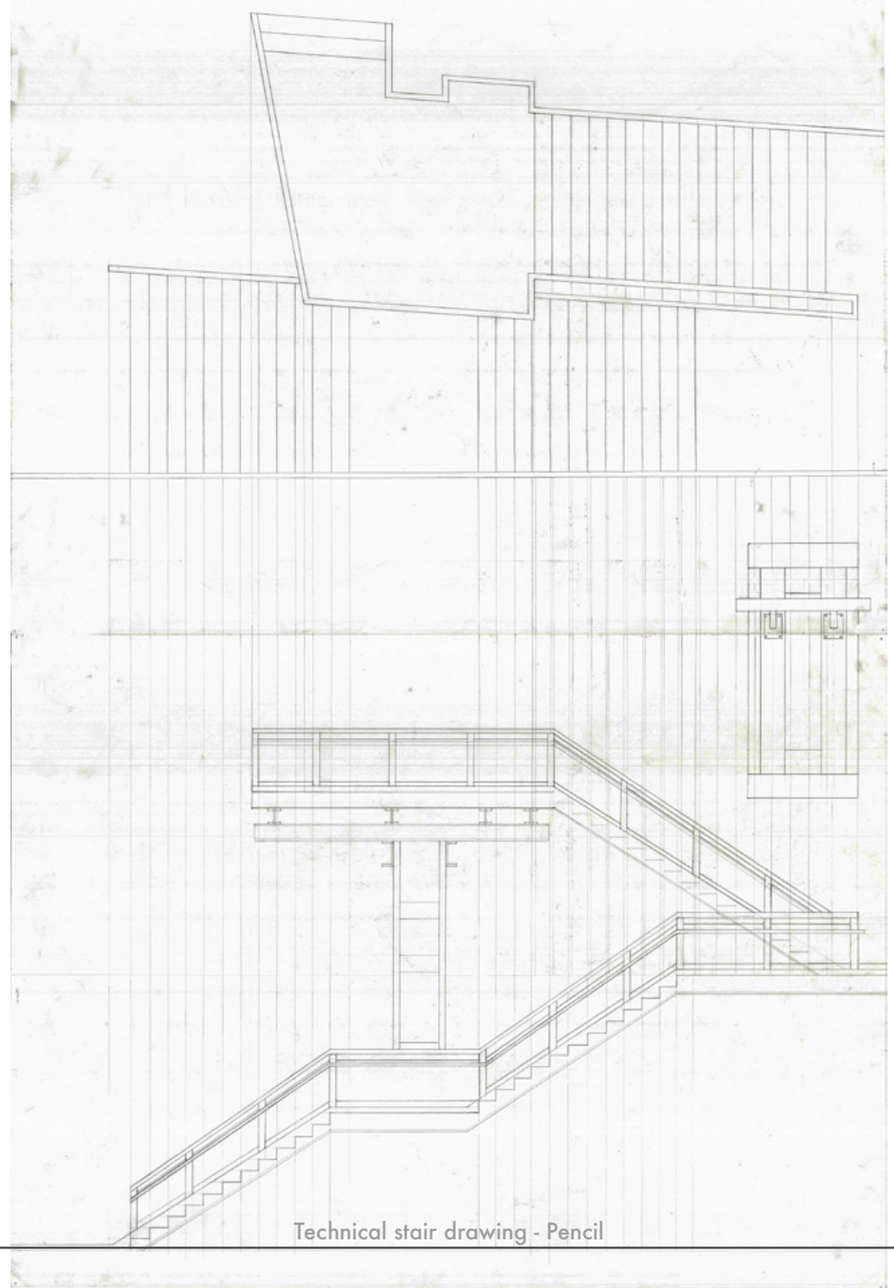




1st person experiential perspective study - Pencil



Full scale landing contact drawing



Technical stair drawing - Pencil

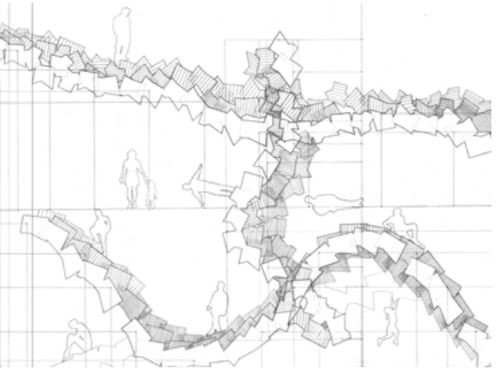
‘FOREST PAVILION’

Public pavilion - Wissahickon, Pa

STUDIO I - 2014

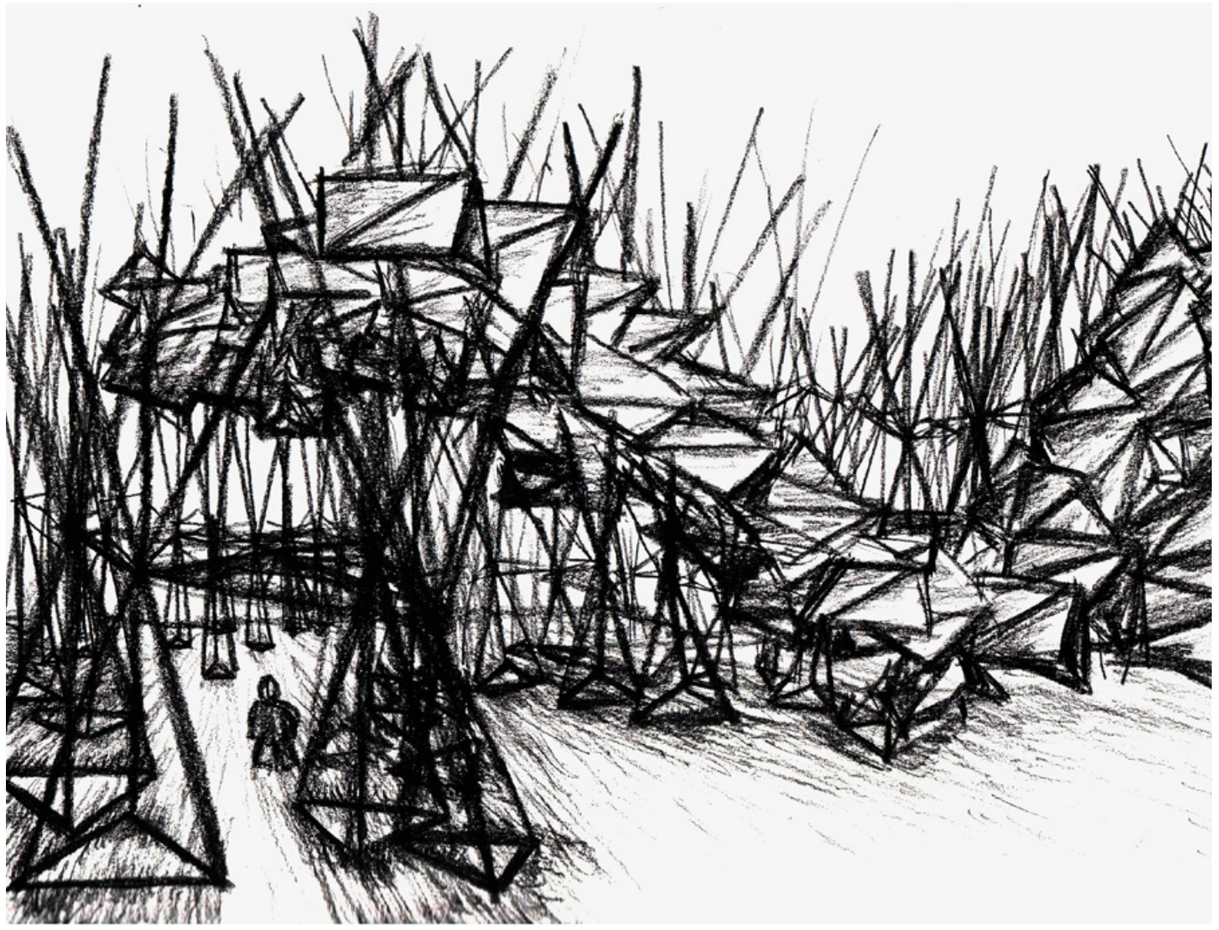
Temple University - Eric Oskey

This installation is a formal architectural articulation of a chosen landscape from Wissahickon Park’s hillsides. The first system is constructed using a manila paper unit made with only folds. This 9-foot modular unit is aggregated around an emphasized version of the form created by the site’s downed tree, which ripped shelter from the ground with its roots. The second system mimics the geometry of the first but is implemented in a way that is more characteristic of wood: thin, tall, structural, & branch-like. This second unit resembles the trees in the forest but is designed & spaced deliberately to create a rich promenade that ties the spaces above & below together. The third system lofts the second system above & through the first system, creating inhabitable spaces above for more discreet forms of gathering.



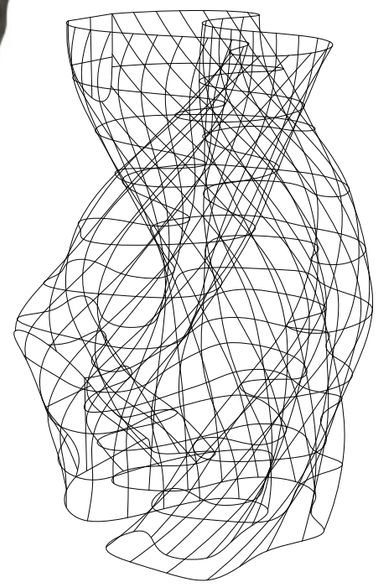
Joinery, light, and space study - Pencil

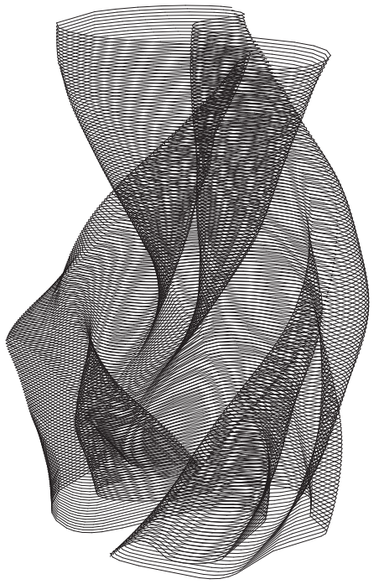
Gathering Space - Basswood & paper



Quantitative landscape analysis

Hybrid section - Pencil





‘Contemporary Clay’

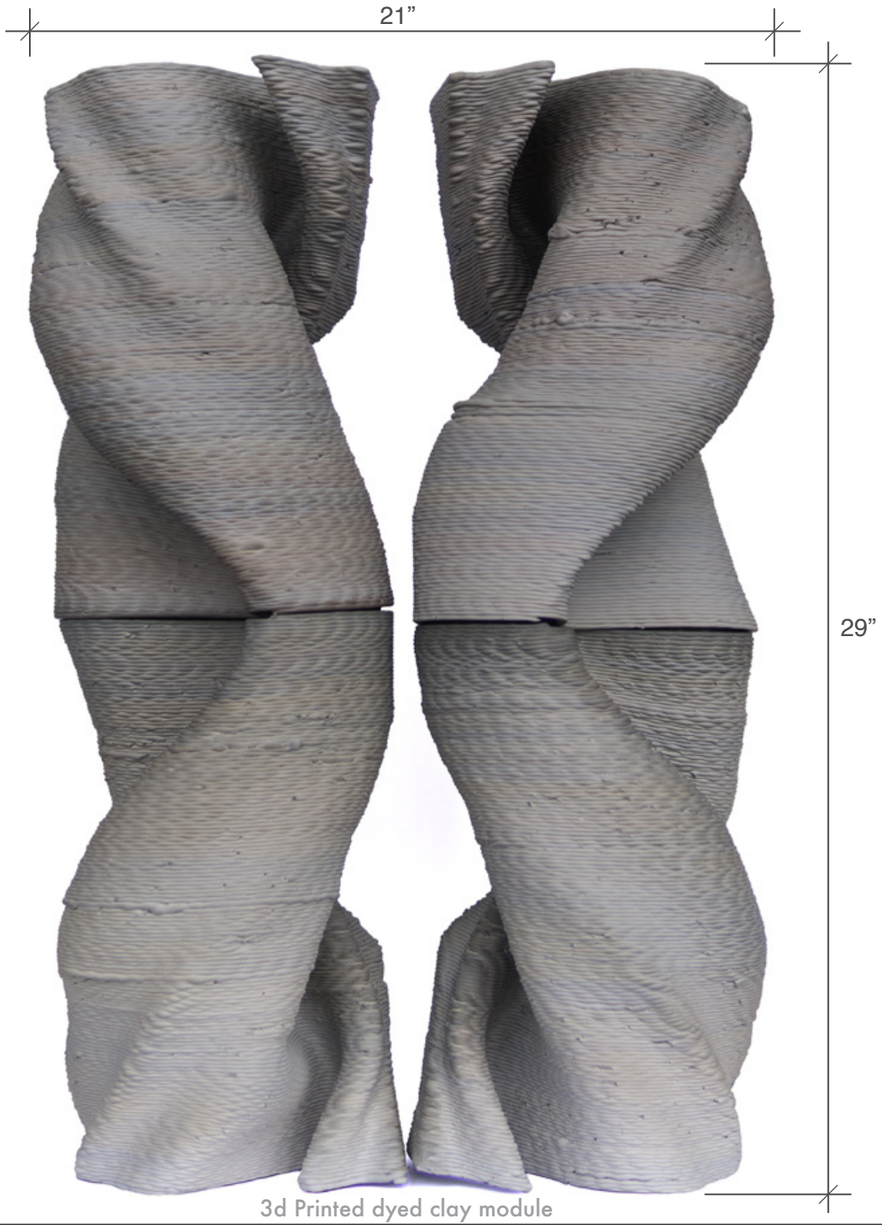
3d printed clay sculptures & installations

CLICK, PRINT, DONE - 2015

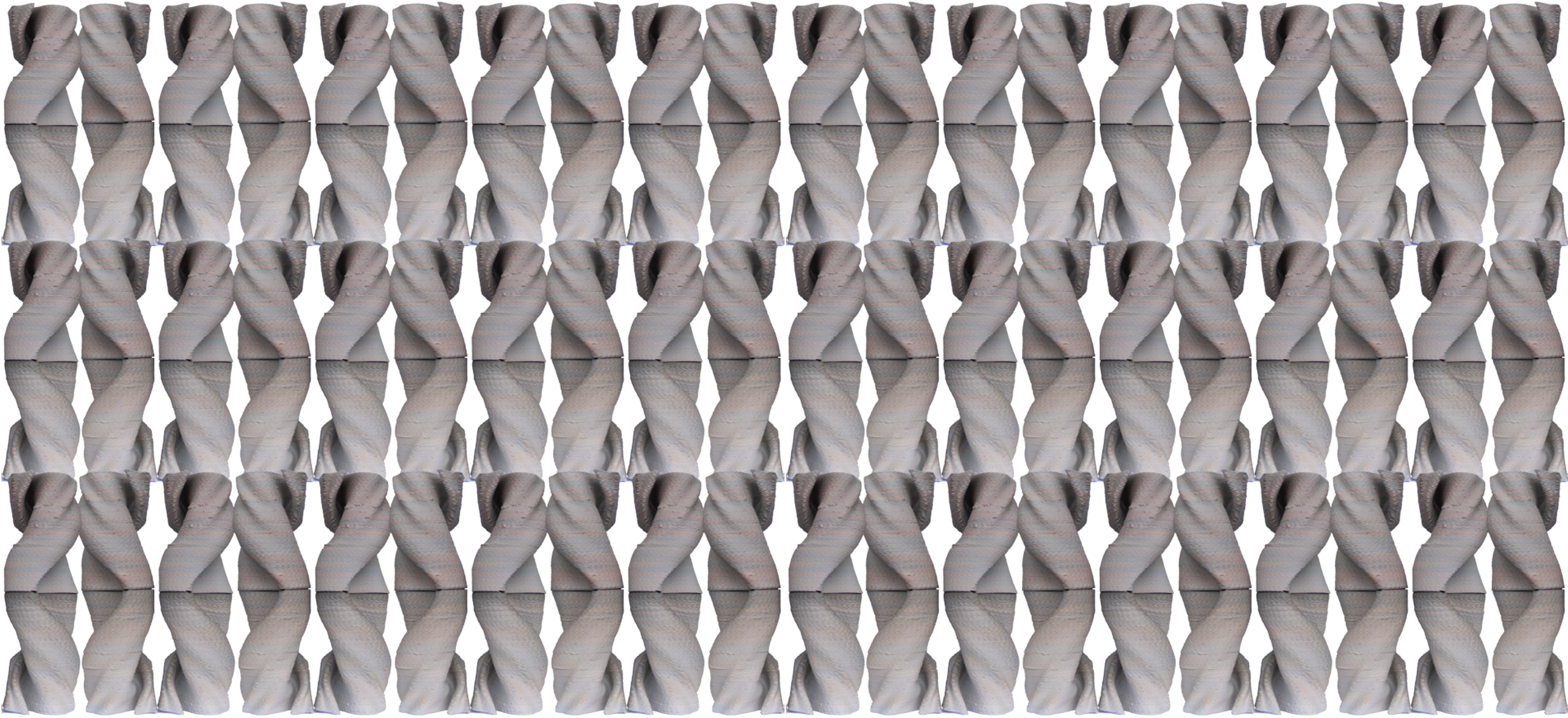
University of Cincinnati - Mara Marcu

Using **Rhino 6 with the Grasshopper** plug-in, I utilized algorithmic modeling to create forms & scripts for the KUKA KR-20 robot arm to 3D print clay sculptures. My artistic side prompted me to take powdered pigments & blow them onto the early sculptures. For the larger prints, with the intent of creating an installation, I partnered with Jessica Pfieffer & led the charge in designing the forms & setting up a new, larger clay canister, which increased our printing capacity & time by 400%. **The larger prints took 8.5 hours each & were aggregated to create a dynamic, undulating wall for the proposed installation.** To give the clay some texture beyond a dull gray, I mixed red & lavender dyes into each batch, giving the clay the vibrant look you see here.

3d Printed dyed clay module close up

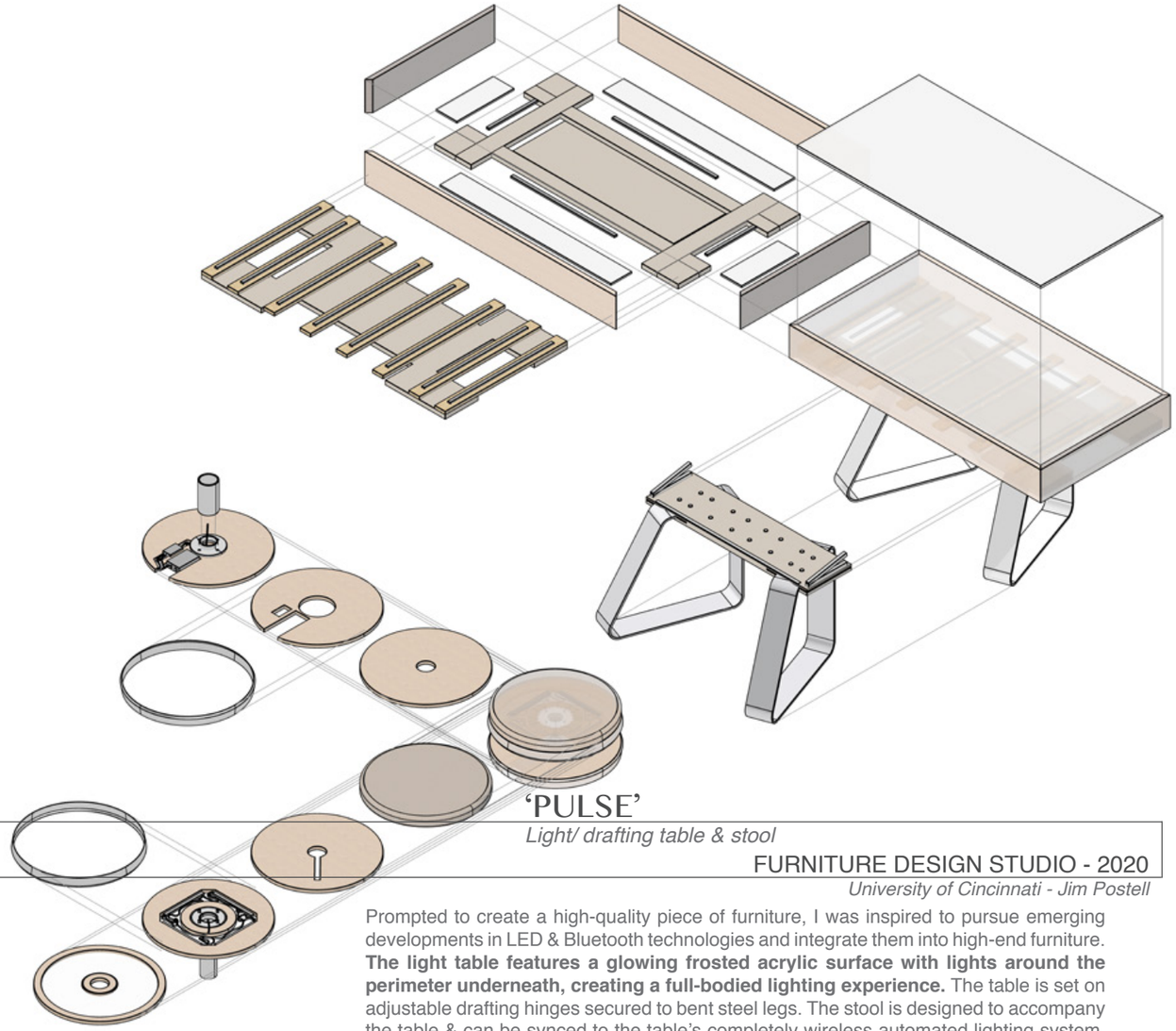


3d Printed dyed clay module



3d Printed dyed clay module installation wall visualization - Photoshop

3d Printed scultpture with hand blown powdered pigments



‘PULSE’

Light/ drafting table & stool

FURNITURE DESIGN STUDIO - 2020

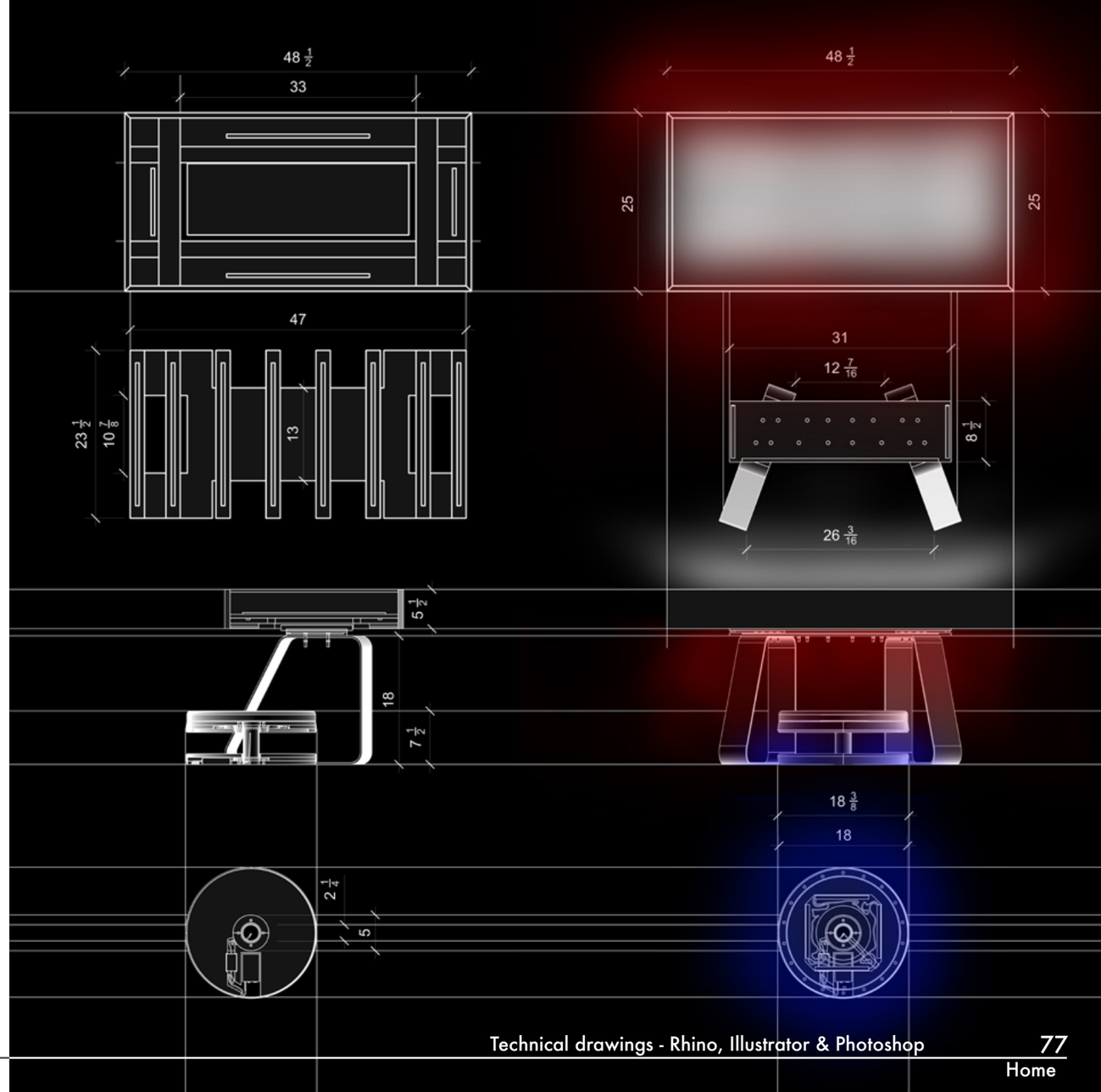
University of Cincinnati - Jim Postell

Prompted to create a high-quality piece of furniture, I was inspired to pursue emerging developments in LED & Bluetooth technologies and integrate them into high-end furniture. **The light table features a glowing frosted acrylic surface with lights around the perimeter underneath, creating a full-bodied lighting experience.** The table is set on adjustable drafting hinges secured to bent steel legs. The stool is designed to accompany the table & can be synced to the table’s completely wireless automated lighting system. I designed & constructed both pieces of furniture over the course of one semester, spending a surprising amount of time in the workshop & metal shop, learning the finer details of woodworking & metalworking.

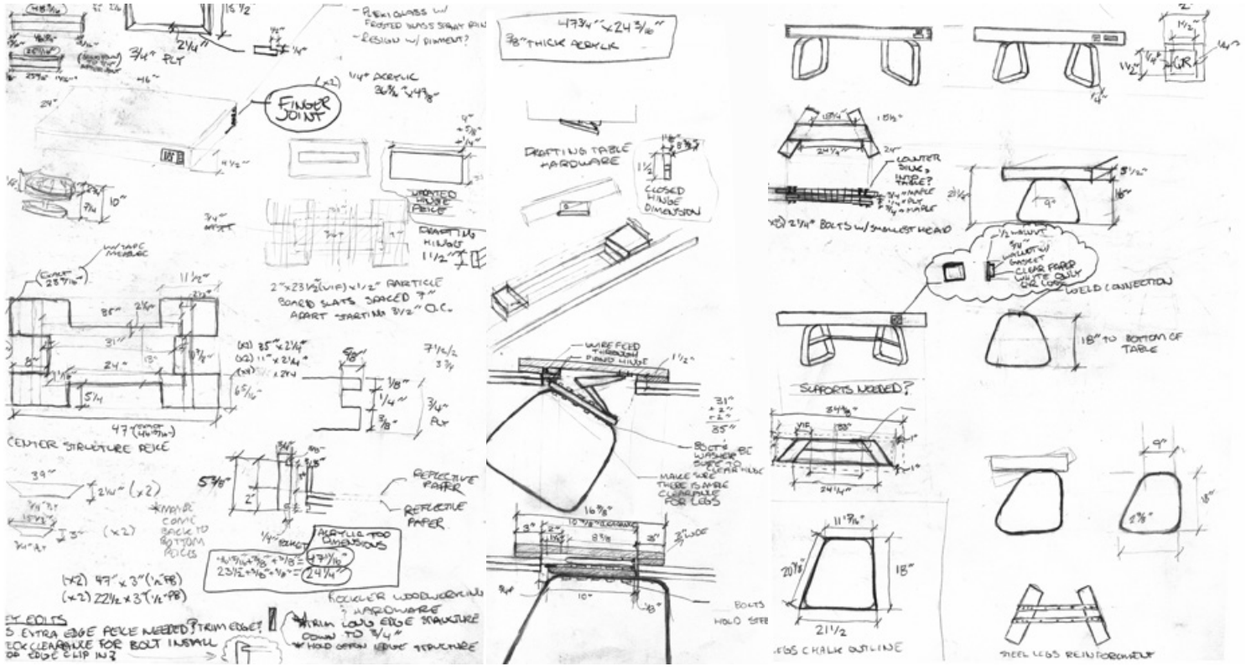
Exploded Axonometric Drawing - Rhino, Illustrator & Photoshop

Finished furniture system - Night time use (Built 2020)

Finished furniture system (Built 2020)



Technical drawings - Rhino, Illustrator & Photoshop



Process sketches

Finished furniture system - 2 Tone lighting pulse (Built 2020)

‘MINIVAN CAMPER CONVERSION’

SELF BUILD - 2020

Off grid minivan camper

Cincinnati, OH

I bought, designed, & built a low-cost minivan camper for my multiple cross-country adventures. The minivan includes hardwood floors, 2 concealed refrigerators, a 100W solar panel, a 3000W inverter, a 110AH deep-cycle AGM battery, a full-sized bed with couch & lounge mode, a deep sink, 10 gallons of flowing filtered water, a solar-heated shower tube, insect netting, an expandable canopy structure, adjustable RGBW Bluetooth lighting, cabinets, a stovetop, a heater/fan, & rooftop storage. **The entire design was based on my human dimensions: the height of me sitting comfortably cross-legged** & the length of me lying down. The project took me 2 months, working 30-40 hour weeks alone, and cost a total of about $7,000.

Minivan fully deployed (Built 2020)

Minivan interior - (concealed refrigerator & battery under bed) (Built 2020)

Minivan fully deployed (Built 2020)

'Couch mode' & table deployed
(concealed refrigerator under dog)

RGBW Bluetooth LED adjustable lighting

Minivan interior (Built 2020)

Paintings

Large format abstract paintings

CURRENT WORK 2017 - PRESENT

Art Explosions Studios, 17th St, San Francisco, CA

As an artist, I believe in creating a work of art from scratch—crafting everything by hand, turning raw materials into works of art without the sterilizing effect of standard-sized manufactured canvases & colors straight out of the bottle. **I strive to stay true to the medium of paint by creating visual effects that are inherent to the medium.**

This series of paintings uses contrasting color palettes to capture the duality of the range of colors we perceive. Conceptually, I am relating to the metaphysical rules of the universe: the Yin & the Yang, the dark & the light, & how both are necessary to come together to form the cohesive whole we call life. Without the dark, you cannot have light, & vice versa. The paintings suggest two forms or souls coming together—sometimes with a sharp edge, sometimes blending together with ease.

As an architect, I have always contemplated how my paintings define a space & its mood. **The scale of the painting & forms is meant to relate directly to the human observer**, grounding them within their colorful & beautiful human form.

"Intuition" (39" x 64") - $3,400 *(sold)*

"Embrace" (44" x 66") - $3,500 *(sold)*

hand mixed fluid acrylics on 1.5" handmade canvas

"Harmony" (33.5" x 60") - $2,700

"Intention" (43.5" x 68") - $3,300

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resume