



# SCOTT HOOK

DESIGN PORTFOLIO



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# YARD WORK



↑ NORTH VIEW



↑ NORTHEAST VIEW



↑ SOUTH / INTERIOR VIEW

## A BACK YARD REBORN

In 1950 this 1930 Spanish Revival home received a screened porch addition to the garage that divided and strangled the small back yard. This remodel took the bold risk of replacing that porch with a contemporary pergola and fire pit to activate the back yard as a place both residents and guests alike long to enjoy.

Inspired by a roll of newsprint running through a printing press, the pergola provides shade for the patio and then turns down the side of the garage to create a comfortable bench along the wall. The dining table is designed to compliment the pergola, and is built from the original douglas fir beam that supported the old screened porch. The set of tri-level raised planters draw their design from Brunelleschi's tension rings inside the Florence Duomo to create an interconnected chain of redwood members to hold back the soil. The fire pit shape is modeled on observations of how guests oriented themselves around the old fire pit as influenced by smoke direction, heat transfer, views, and circulation. All work was self performed.

3D Modelling - SketchUp

Rendering - Visualizer, Photoshop

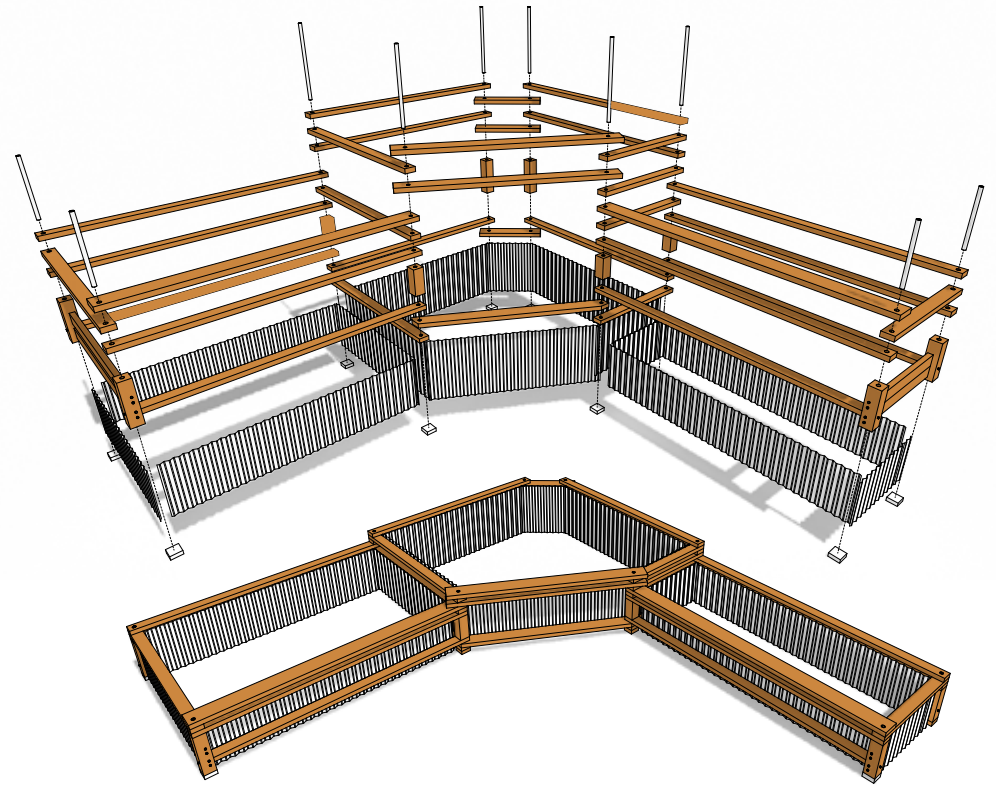
Diagrams - SketchUp, Visualizer, Photoshop, Illustrator



↑ WEST / INTERIOR VIEW



↑ RENOVATED BACKYARD PLAN



↑ RAISED PLANTER ASSEMBLY AXON



↑ EXISTING BACKYARD PLAN



↑ BACKYARD RENDER

# REMODEL



↑ EAST WALL

## NEW LIFE FOR AN AGING MASTER BATHROOM

Last updated in 1950, the bathrooms and kitchen of this Spanish Revival home, with its eclectic Craftsman elements, afforded the opportunity for a custom remodel using extensive wood detailing and a deliberate use of light.

A solatube skylight in the shower allows a person to shower in both water and light, and the detached valence above the shower door allows the ceiling to be washed with sunlight throughout the day. A cabinet over the toilet is offset from the wall and hides a recessed light that washes the tile wall with light. A soffit over the sink balances the opposite cabinet and shower valence and frames dual medicine cabinets over vessel sinks. The vanity is mid-century influenced and handmade from solid Alder, and features signature accordion style fronts, dovetailed joinery, hand carved door handles and hand carved solid walnut legs.

In addition to the design, all construction was personally performed on this project, which included all demolition, plumbing, electrical, drywall, tile work, painting, and woodwork.

3D Modelling - Rhino  
Drawings - Rhino, Illustrator



↑ ORIGINAL MASTER BATHROOM



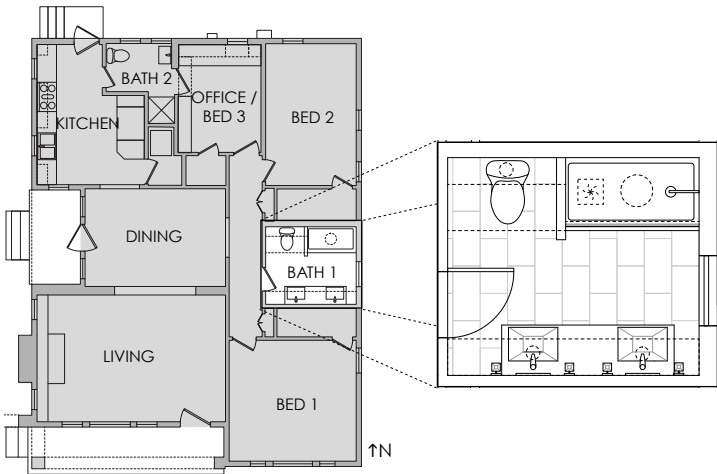
↑ POST DEMOLITION



↑ NORTH WALL

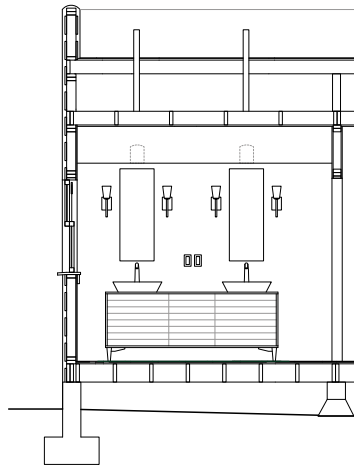


↑ SOUTH WALL WITH HANDMADE ALDER VANITY

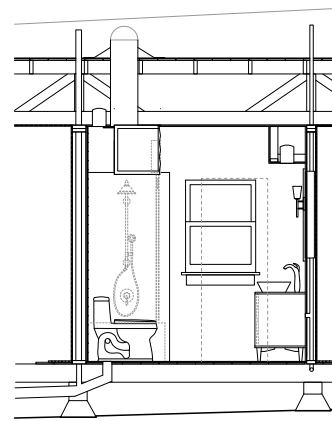


↑ HOME FLOOR PLAN

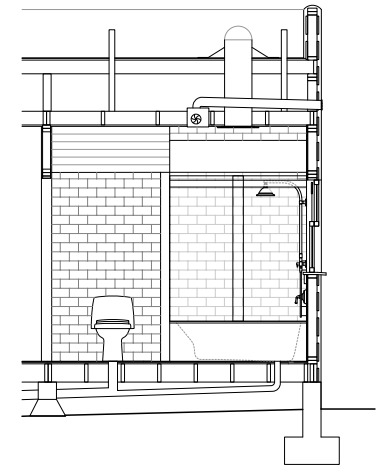
↑ MASTER BATH PLAN



↑ SOUTH ELEVATION / SECTION



↑ EAST ELEVATION / SECTION



↑ NORTH ELEVATION / SECTION

# CLEAN START



↑ WEST WALL - RENOVATED



↑ EAST WALL - RENOVATED

## UN-FLIPPING THE FLIP

At the height of the housing market this kitchen was given a hasty face lift in a quick flip. This remodel seeks to remedy its mistakes. A two tone cabinet scheme keeps the visual weight low and makes the kitchen feel more open and bright. Full ceiling height cabinets reduce clutter and eliminate dark shadows. A slide out pantry centralizes food storage. A set of drawers and bookshelves next to the refrigerator resolve an awkward transition from dining room to kitchen. Sand mix concrete countertops add a beach element, increase counter area, and reduce costs. The dining room coordinates with the clean kitchen through a custom dining table and chandelier. All design, construction and fabrication was personally performed, which included demolition, electrical, plumbing, cabinetry, tile work, countertop fabrication, and furniture.

3D Modelling - Rhino  
Drawings - Rhino, Illustrator



↑ WEST WALL - ORIGINAL

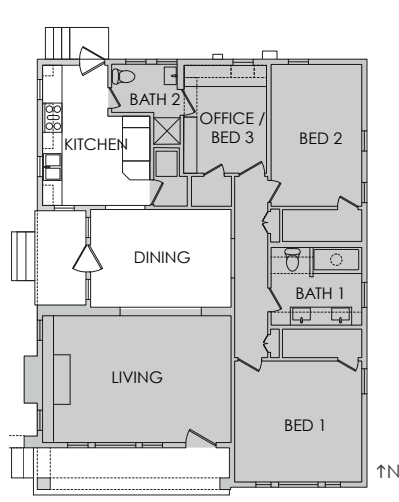


↑ EAST WALL - ORIGINAL

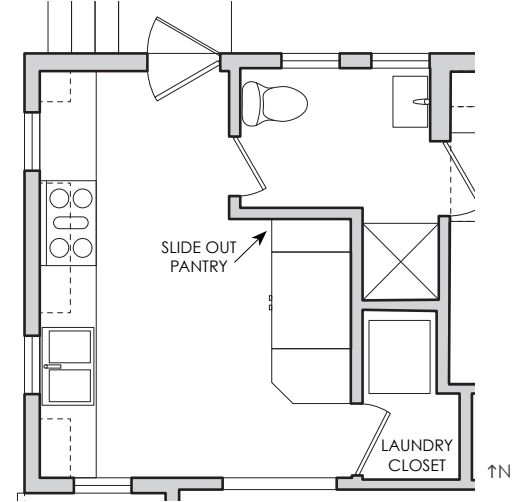




↑ COMPLETED GALLEY KITCHEN



↑ HOME FLOOR PLAN



↑ KITCHEN FLOOR PLAN



↑ RAW CONCRETE COUNTERTOPS



↑ POLISHED CONCRETE COUNTERTOPS



↑ DINING ROOM WITH DOORWAY TO KITCHEN

# MARK'S HOUSE



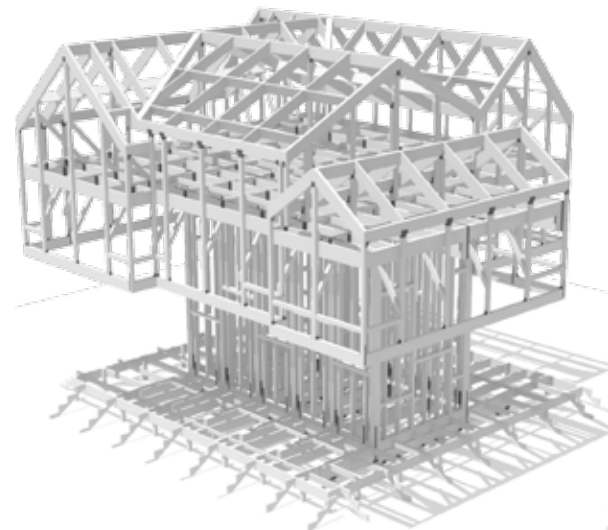
↑ NORTH FACADE

## A PAVILION TO UPLIFT FLINT, MICHIGAN

As onsite project manager hired by London based design architects, Two Islands, this position quickly expanded to include the role of co-designer. This project provided two months of intensive exposure to the design, engineering, and construction of progressive temporary architecture.

Work included the complete redesign of the structure to deconflict architectural and structural drawings, while making the design understandable to carpenters. As project manager duties included managing budgets, materials, workers, and deadlines, and coordinating permits and inspections. Due to a limited budget I also had to construct the stage, stairs, and ramp, and hang the ceiling and reflective mylar paneling. Redesign through completed construction was accomplished in 7 weeks.

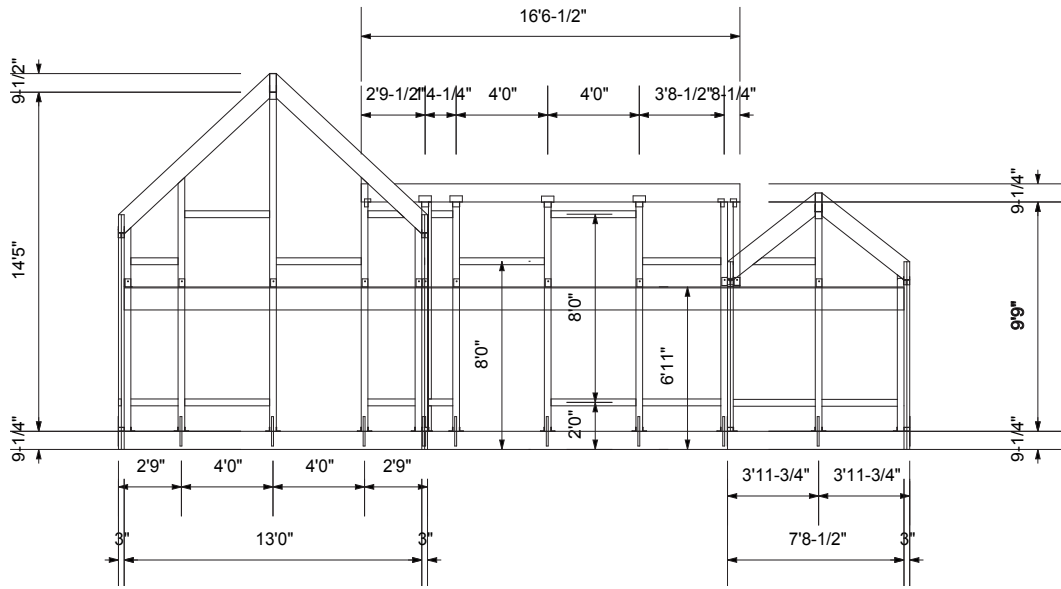
3D Modelling - Rhino  
Drawings - Rhino, Illustrator



↑ FRAMING MODEL



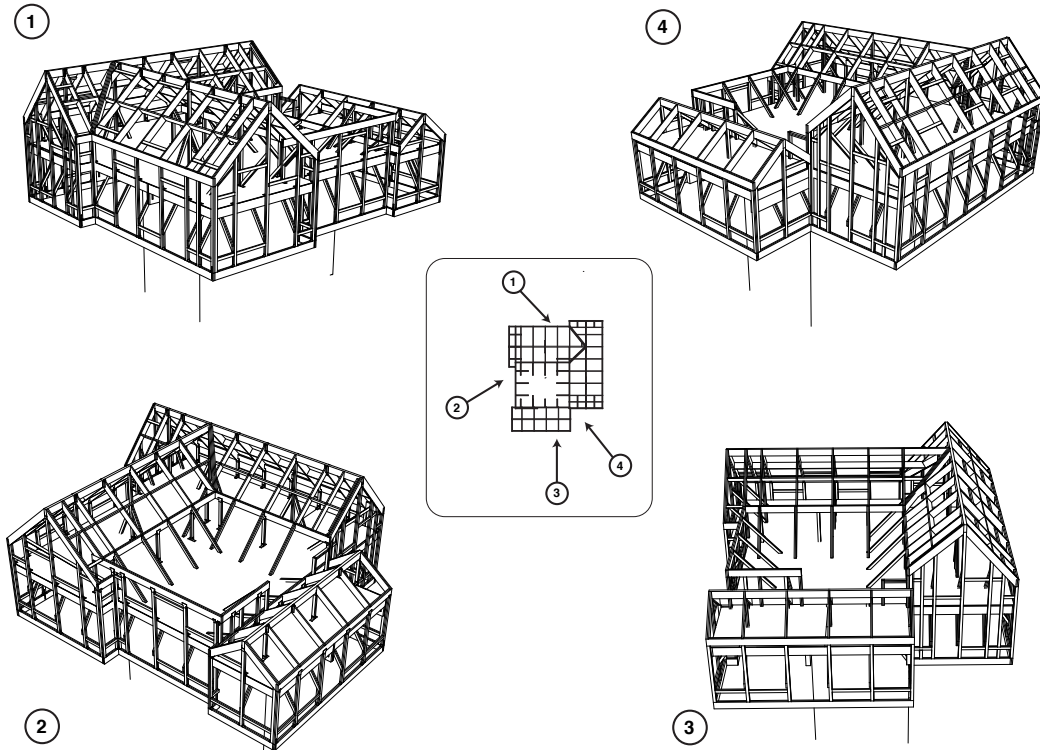
↑ CONSTRUCTION SEQUENCE



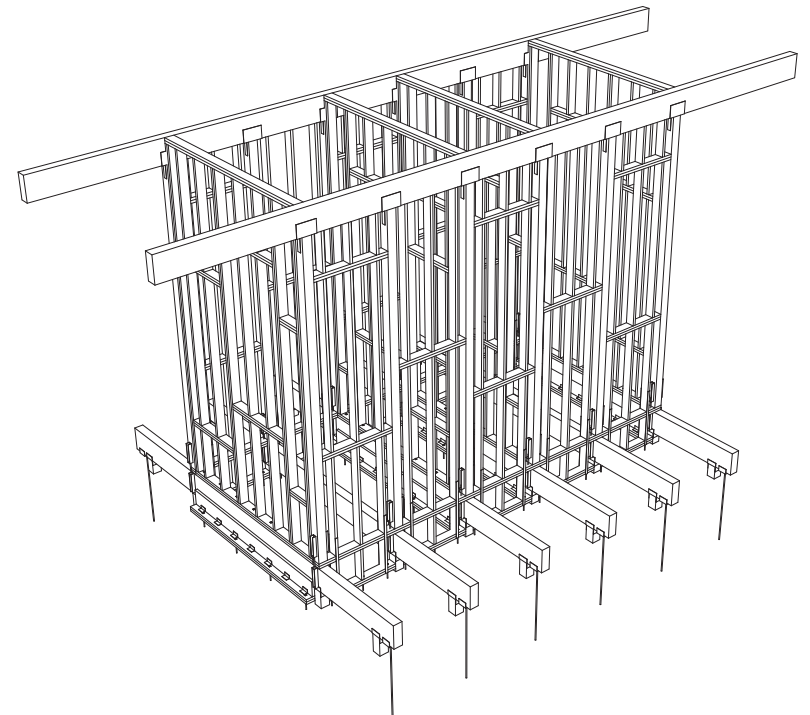
↑ CD SET EXCERPT - FRAMING PLAN FOR SOUTH FACADE



↑ NORTH AND WEST FACADES



↑ CD SET EXCERPT - FRAMING AXONOMETRICS



↑ CD SET EXCERPT - FOUNDATION ANCHOR AND CORE FRAMING AXONOMETRIC

# 6TH & THORN



↑ SOUTHWEST CORNER



↑ OVERHEAD - BALBOA PARK TO THE LEFT

## BALBOA PARK MEETS CENTRAL PARK

This solo project was conducted while working for AVRP Studios. Zoning, programming, and concept massing was conducted for a site adjacent to San Diego's famous Balboa Park. The developer was interested in maximizing the development potential of his eight plats.

The eighth iteration of the project, shown here, is a 14 story mixed-use luxury tower, which maximizes unit count and tower height. Massing is informed by both zoning limitations and views of San Diego Bay and Balboa Park.

### Gross Square Footage: 169,866 sf

Office sf: 7,020 sf  
 Retail sf: 6,260 sf  
 Residential sf: 120,798 sf

### Total Units: 94

1 br: 2 (2.1%)  
 2 br: 79 (84.0%)  
 3 br: 10 (10.6%)  
 PH: 3 (3.3%)

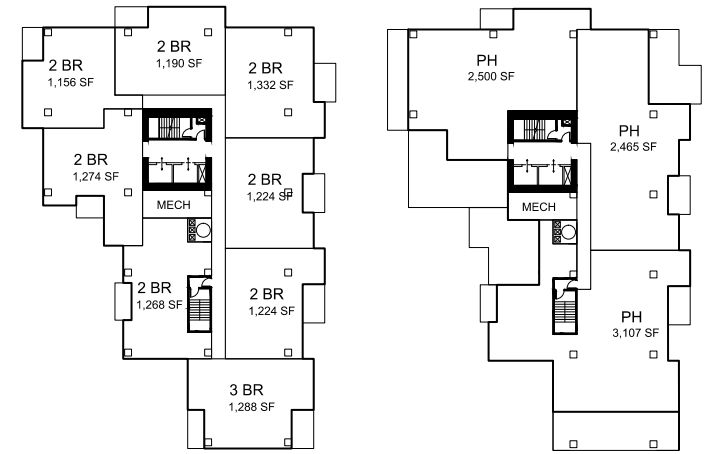
**Parking: 197 provided (195 required)**



↑ SOUTHEAST CORNER

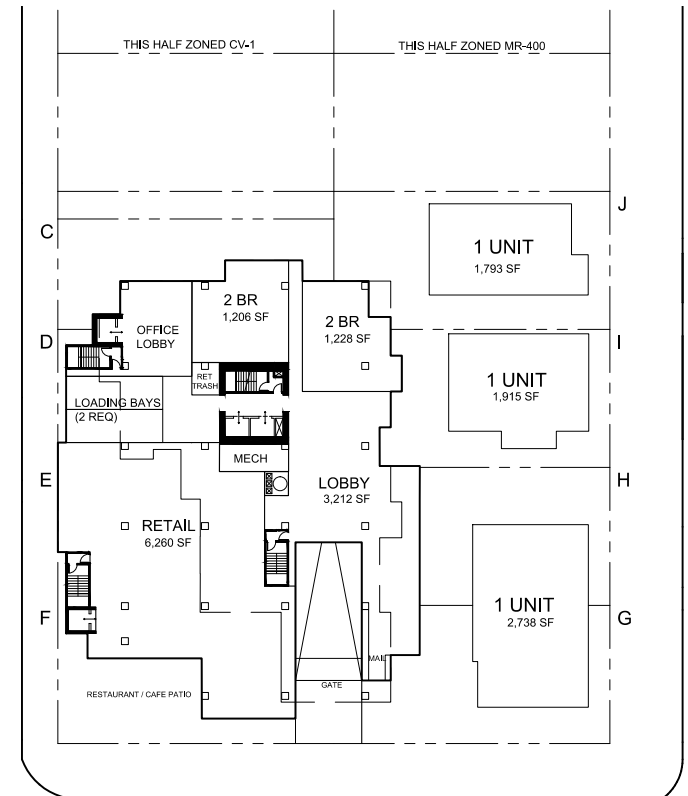
This design is the property of AVRP Studios

3D Modelling - SketchUp  
 Drawings - SketchUp, AutoCAD, Illustrator



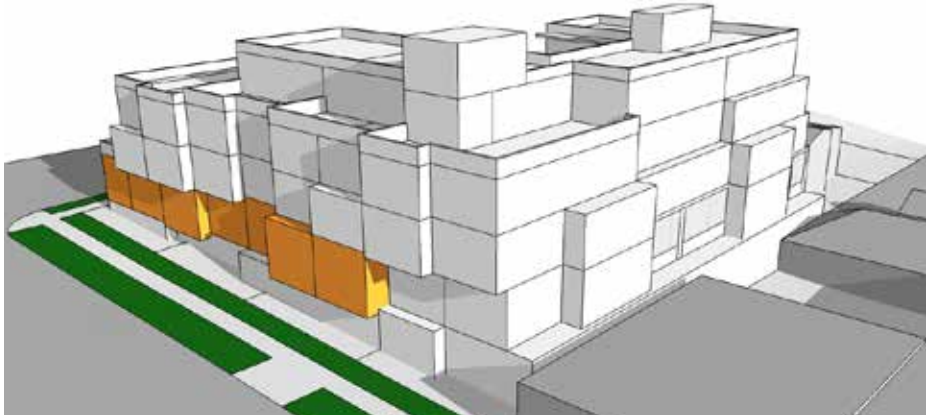
↑ FLOORS 4 - 13

↑ FLOOR 14 - PENTHOUSES



↑ GROUND FLOOR

# THE EVELYN



↑ NORTHWEST CORNER - RETAIL SPACE IN ORANGE



↑ SOUTHEAST CORNER

## FROM PARKING LOT TO HIPSTER LOFTS

Another solo project conducted at AVRP Studios tasked to propose programming and concept massing within the confines of local zoning and code.

This is the seventh and largest iteration produced for the client. Due to progressive set backs for each level above the 4th, the massing is limited to 5 stories. Utilizing the firm's design for a "shotgun loft" at the principal's request, the units are oriented around a central courtyard with open air circulation reminiscent of the surrounding mid-century complexes. Requirements for facade variation are met through the adoption of an irregular stacked box design. Ground level residential lobby and parking is accessed via the alley while second level retail and retail parking is accessed via a ramp from the street.

**Gross Square Footage: 57,319 sf**

Retail sf: 4,485 sf

Residential sf: 22,291 sf

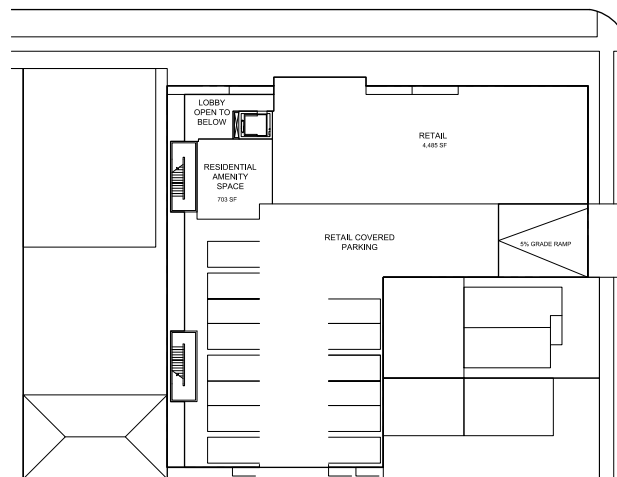
**Total Units: 27**

1 br: 19 (70.4%)

1 br + den: 4 (14.8%)

2 br: 4 (14.8%)

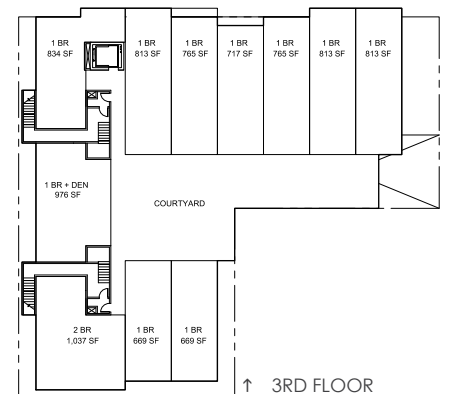
**Parking: 50 provided (46 required)**



↑ 2ND FLOOR



↑ 4TH FLOOR



↑ 3RD FLOOR

This design is the property of AVRP Studios

3D Modelling - SketchUp

Drawings - SketchUp, AutoCAD, Illustrator

# AVON CLONE



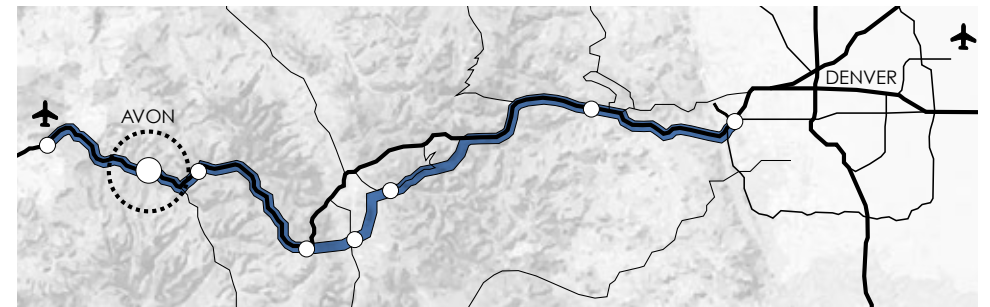
↑ AVON STATION - WEST PLAZA TERMINAL ENTRANCE

## AVON, COLORADO'S NEW MAGLEV TRAIN STATION

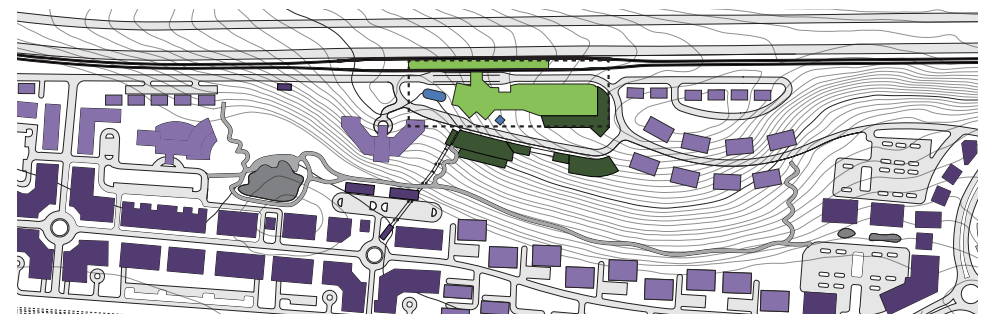
The state of Colorado faces oppressive traffic on its I-70 mountain corridor, which serves many of its ski resorts and national forests. To create additional capacity the state is proposing a high speed MAGLEV train to serve these destinations. This thesis develops a universal station template, which can serve each station town, and adapts it to the town of Avon using Transit Oriented Development principles.

The design concept for the Avon station draws from the region's aspen groves, known as clones, to influence form, circulation, and color. A simple massing derived from mountain vernacular barn architecture, uses glass and ETFE roof panels to create a transparent enclosure for a forest of branching tubular steel columns. By applying pedestrian flow research to an organic column arrangement, circulation proceeds through the forest of columns along unobstructed pathways connecting doors, vertical circulation, and retail areas.

The result of this design is a vibrant, sensory intensive, iconic gateway to a transit minded walkable mixed-use community in the heart of Colorado ski country.



↑ ROUTE AND STATIONS FOR COLORADO'S PROPOSED HIGH SPEED MAGLEV TRAIN ALONG I-70



↑ AVON STATION WITHIN THE 'VILLAGE AT AVON' DEVELOPMENT MASTER PLAN (MODIFIED FOR STATION)

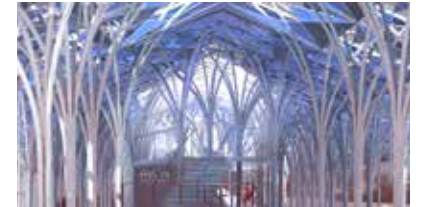
3D Modelling - Rhino, SketchUp  
Rendering - V-Ray, Photoshop, Illustrator  
Diagrams - V-Ray, Photoshop, Illustrator, InDesign



↑ VIEW OF PLATFORM AND ROOF WITH THERMOCHROMIC SCHEME FOR OUTSIDE TEMP OF 70 F AND ABOVE



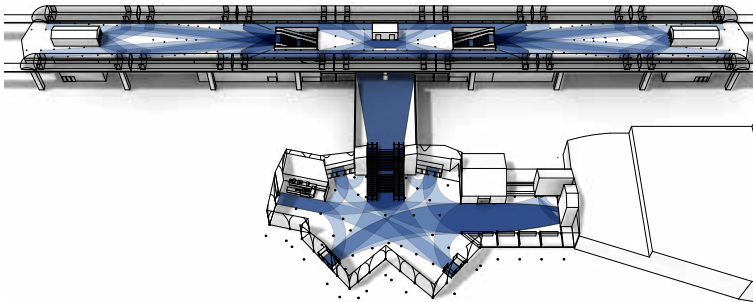
↑ OUTSIDE TEMP BETWEEN 50 F AND 69 F



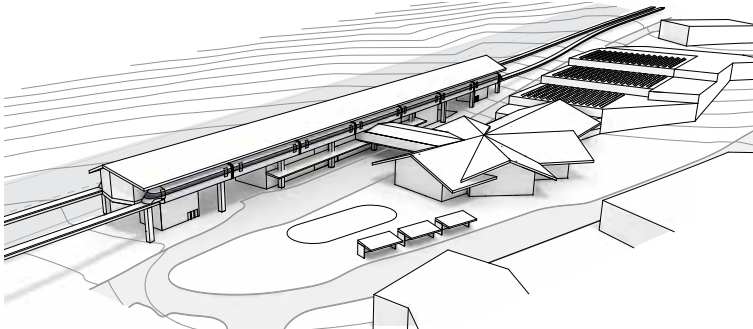
↑ OUTSIDE TEMP BETWEEN 30 F AND 49 F



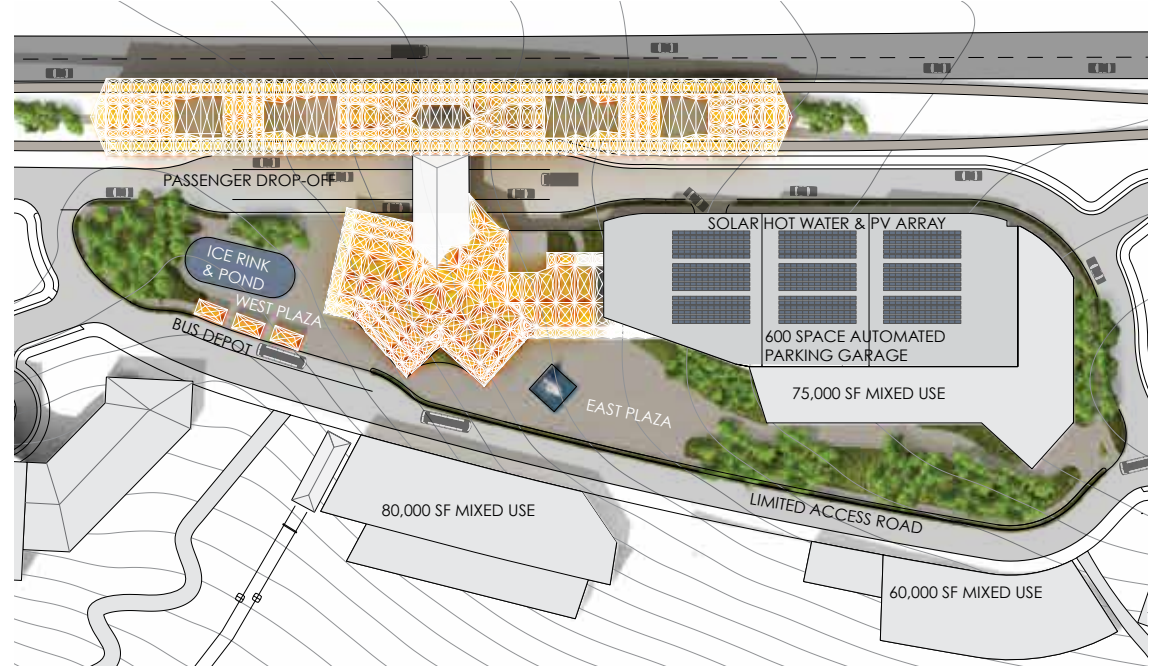
↑ OUTSIDE TEMP 29 F AND BELOW



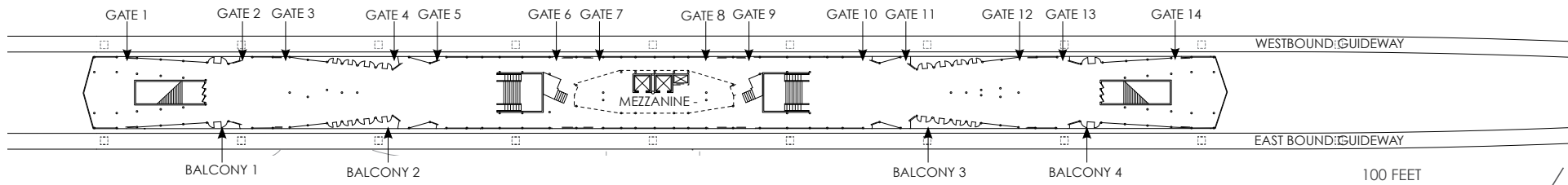
↑ CIRCULATION DIAGRAM USED TO DETERMINE COLUMN LOCATIONS



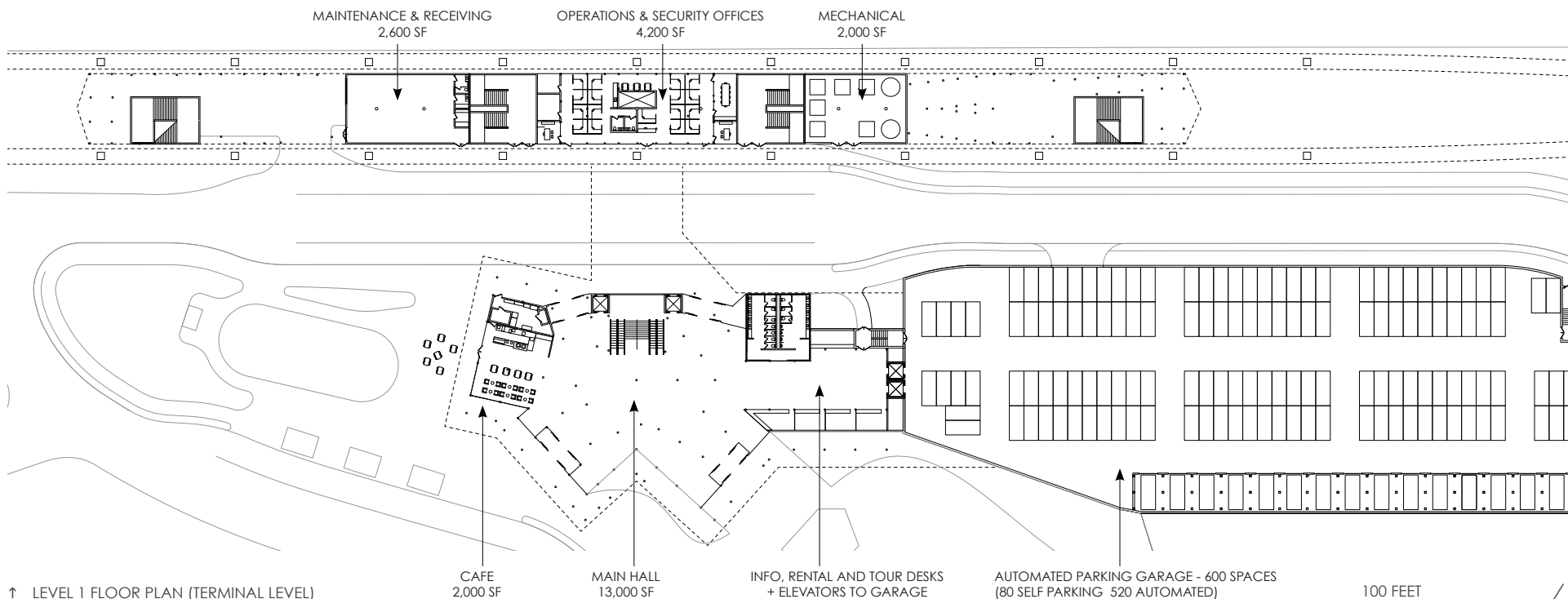
↑ MASSING MODEL INSPIRED BY MOUNTAIN VERNACULAR



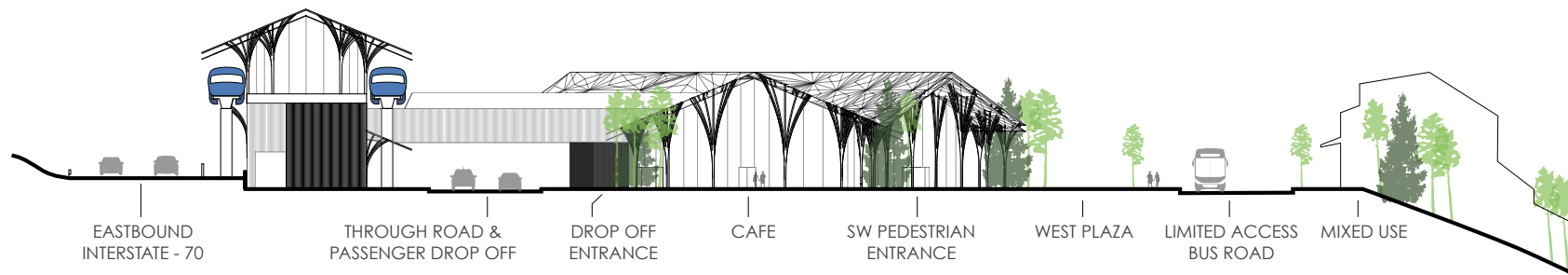
↑ AVON STATION AREA SITE PLAN



↑ LEVEL 3 FLOOR PLAN (BOARDING PLATFORM)

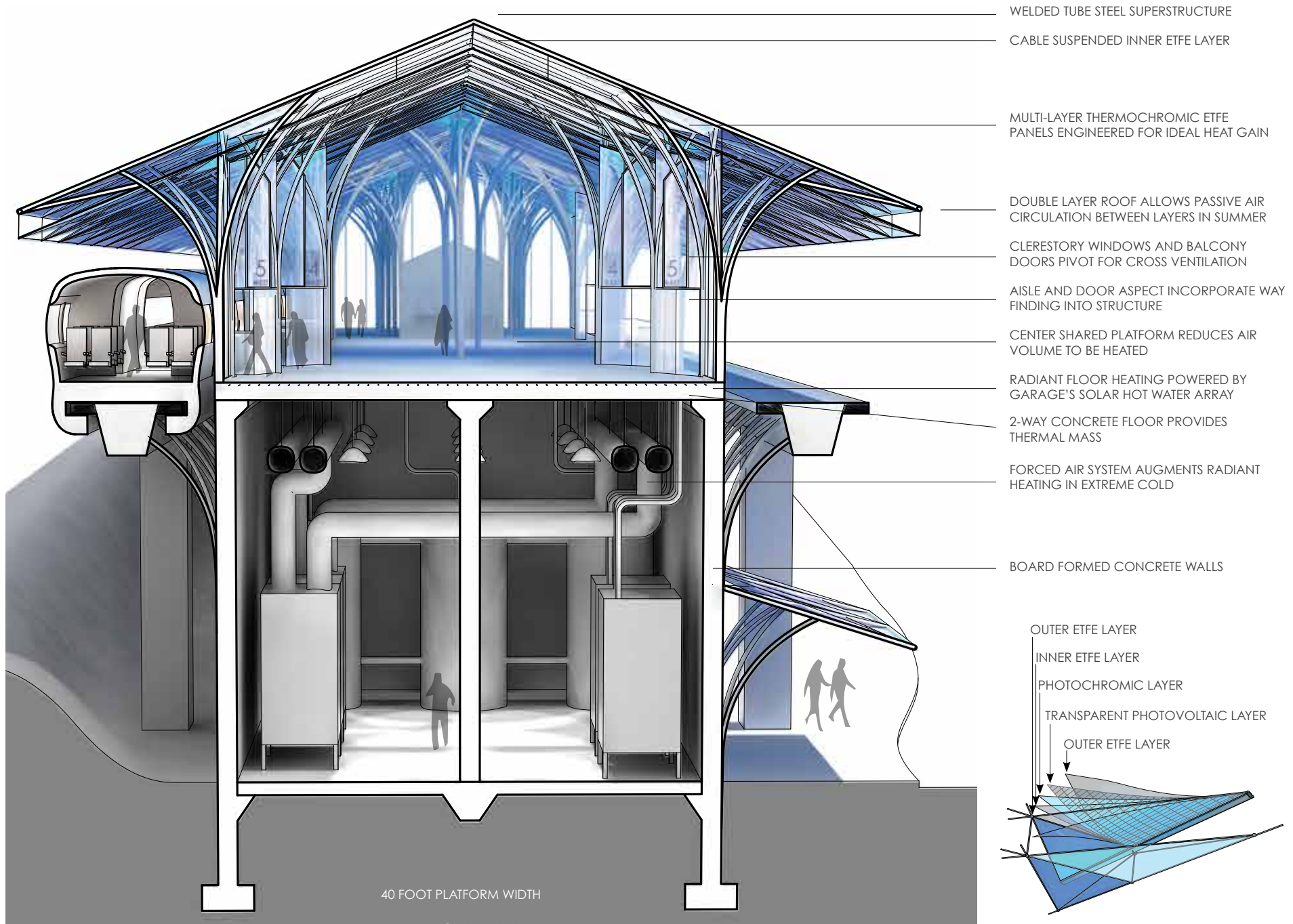


↑ LEVEL 1 FLOOR PLAN (TERMINAL LEVEL)



↑ WEST ELEVATION





WELDED TUBE STEEL SUPERSTRUCTURE

CABLE SUSPENDED INNER ETFE LAYER

MULTI-LAYER THERMOCHROMIC ETFE PANELS ENGINEERED FOR IDEAL HEAT GAIN

DOUBLE LAYER ROOF ALLOWS PASSIVE AIR CIRCULATION BETWEEN LAYERS IN SUMMER

CLERESTORY WINDOWS AND BALCONY DOORS PIVOT FOR CROSS VENTILATION

AISLE AND DOOR ASPECT INCORPORATE WAY FINDING INTO STRUCTURE

CENTER SHARED PLATFORM REDUCES AIR VOLUME TO BE HEATED

RADIANT FLOOR HEATING POWERED BY GARAGE'S SOLAR HOT WATER ARRAY

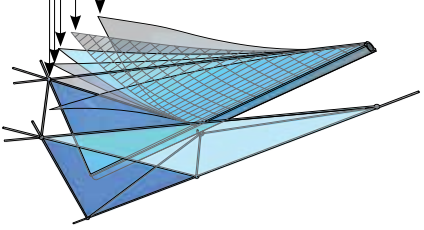
2-WAY CONCRETE FLOOR PROVIDES THERMAL MASS

FORCED AIR SYSTEM AUGMENTS RADIANT HEATING IN EXTREME COLD

BOARD FORMED CONCRETE WALLS

40 FOOT PLATFORM WIDTH

OUTER ETFE LAYER  
 INNER ETFE LAYER  
 PHOTOCROMIC LAYER  
 TRANSPARENT PHOTOVOLTAIC LAYER  
 OUTER ETFE LAYER



↑ PLATFORM TRANSVERSE SECTION WITH STRUCTURE, SYSTEMS AND SUSTAINABILITY

↑ CONCEPTUAL COMPOSITE ETFE ROOF PANELS

# MEDIA BARGE



## SAN DIEGO'S MOST UNIQUE SOCIAL VENUE

This project was born from a challenge to develop the San Diego river adjacent to the city's largest mall. Rather than emulating the concrete encrusted riverwalk districts of cities such as San Antonio and Oklahoma City, this project fosters a lush river oasis in the city by shifting development onto the water itself with the design of a multi-use barge.

Drawing upon design and construction experience with mirrored architecture, this barge uses a mirrored core, which encloses a full restaurant kitchen, to support and visually float an elevated deck and bar ringed by LED video screens. An open floor plan allows the media barge to be used for any number of uses such as a restaurant, club, or gallery. The bright LED screens can display video appropriate to the barge's current program or to display content of interest to people along the shore, such as coverage of sporting events, video artwork, or even emergency information. The barge can also be used outside its intended river location in marinas, harbors, and protected bays.

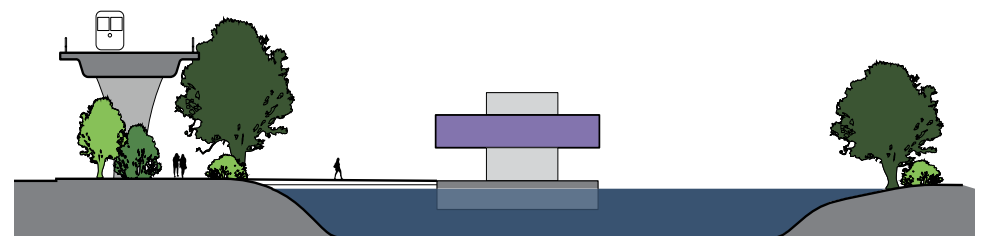
The media barge is a tremendously versatile platform, which serves as a physical and visual focal point capable of activating both water and shore locations.

3D Modelling - Rhino  
Rendering - V-Ray, Photoshop  
Diagrams - V-Ray, Photoshop, Illustrator

↑ BARGE IN CLUB CONFIGURATION



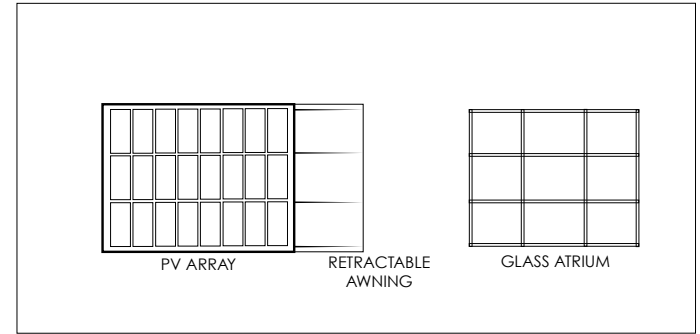
↑ SAMPLE SITE PLAN (REHABILITATED SECTION OF THE SAN DIEGO RIVER AT FASHION VALLEY MALL)



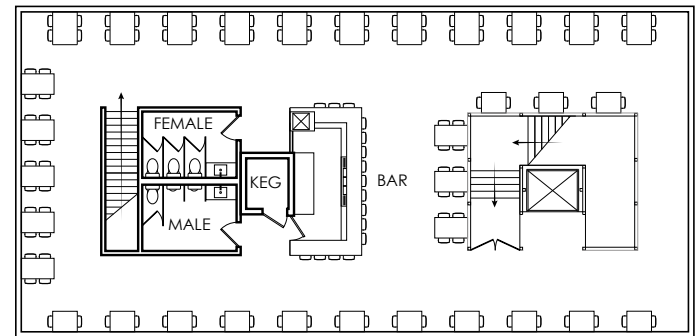
↑ CONCEPT - REDEFINE A RIVER WALK BY ACTIVATING THE WATER AND REHABILITATING THE SHORELINE



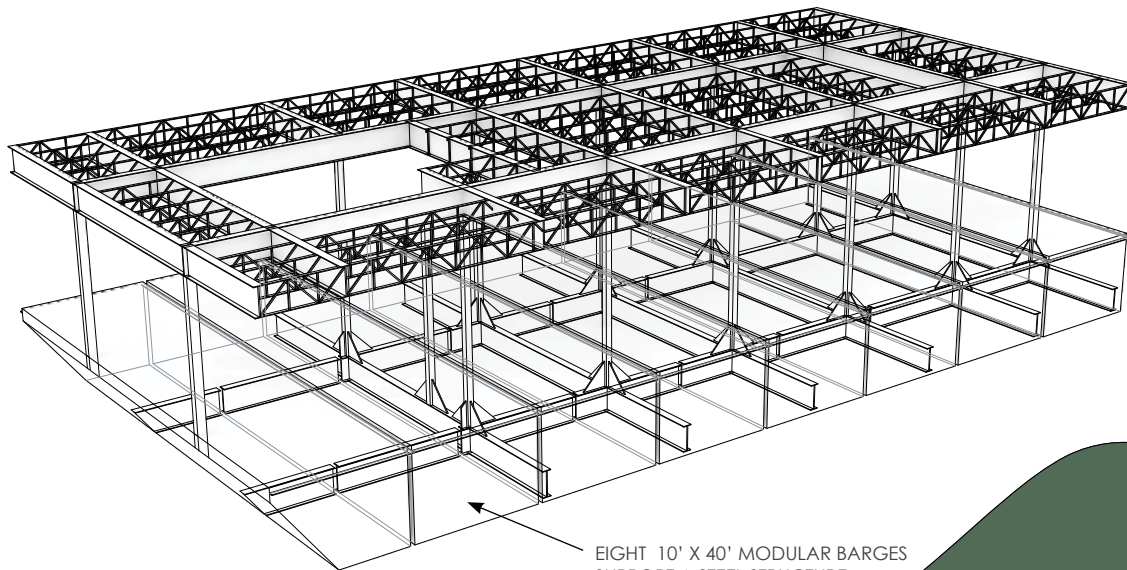
↑ BARGE IN CLUB CONFIGURATION



↑ ROOF PLAN

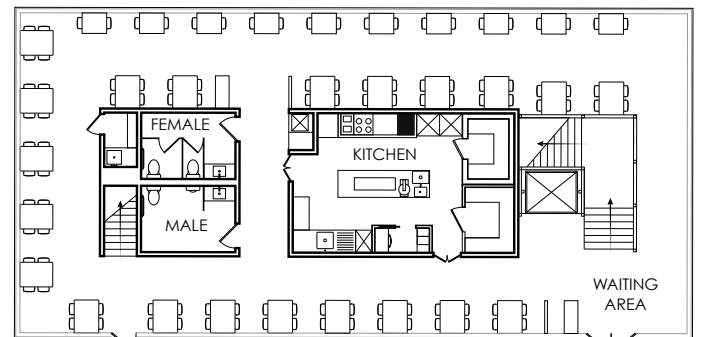


↑ SECOND DECK PLAN



EIGHT 10' X 40' MODULAR BARGES SUPPORT A STEEL STRUCTURE

↑ BARGE FOUNDATION AND SUPER STRUCTURE



EMERGENCY EXIT

TRASH & UTILITIES

↑ FIRST DECK PLAN



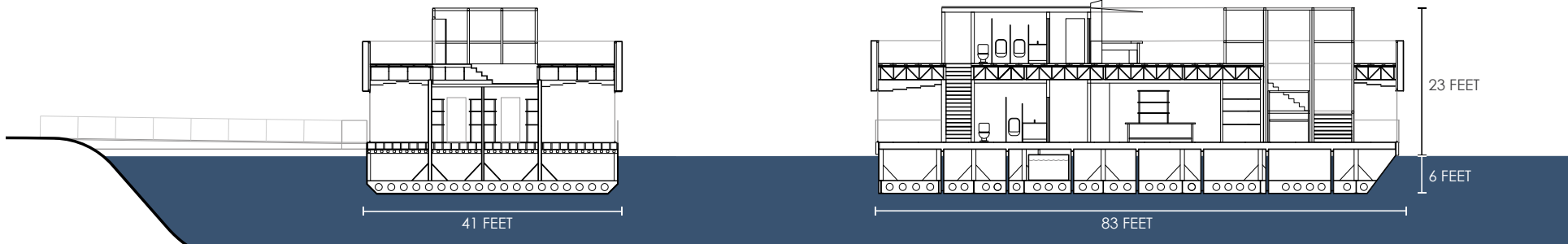
↑ LOBBY, STAIRWAY, AND ELEVATOR



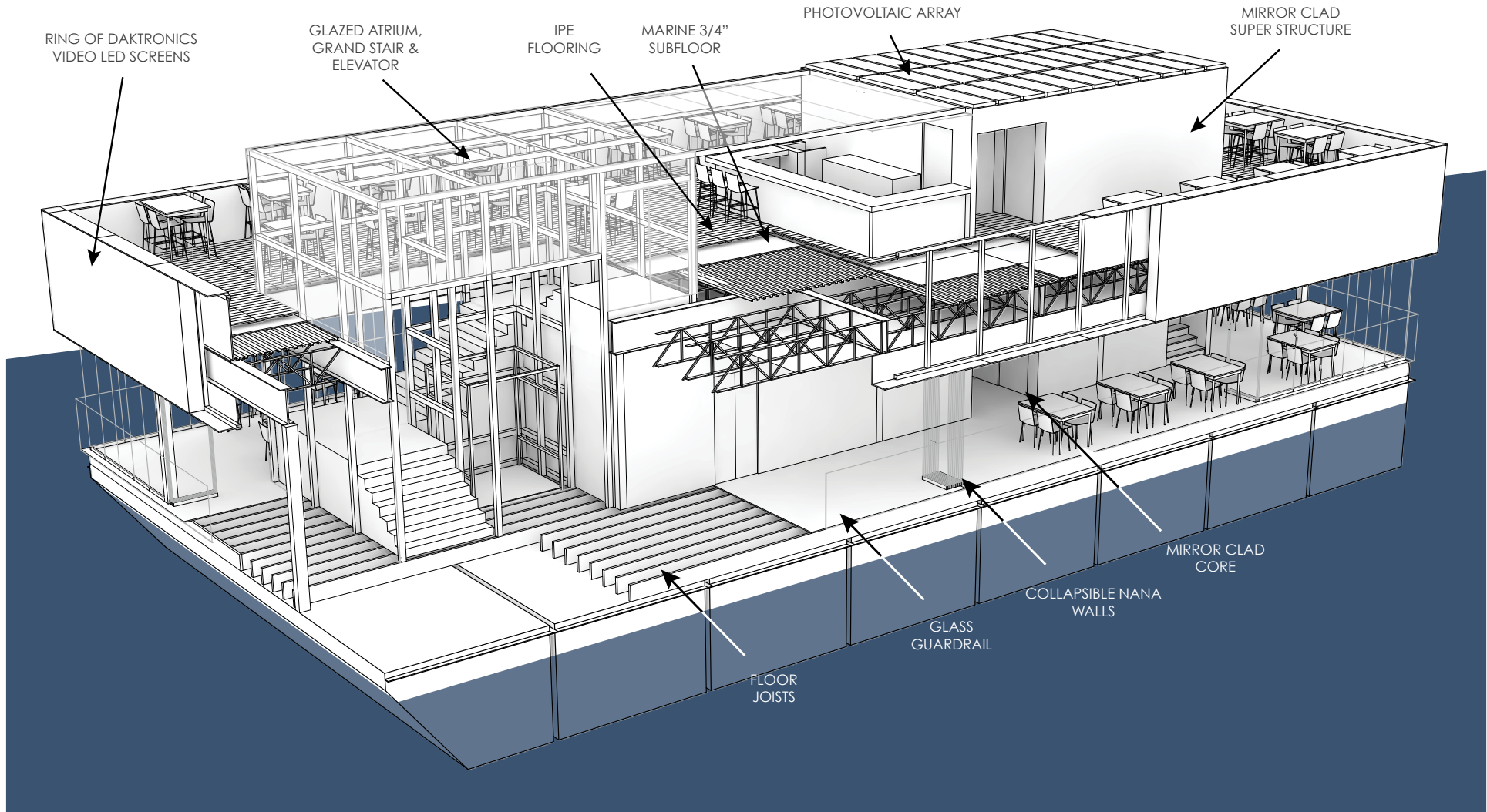
↑ SECOND DECK AND ATRIUM



↑ BARGE IN RESTAURANT CONFIGURATION



↑ TRANSVERSE AND LONGITUDINAL SECTIONS



↑ PERSPECTIVE SECTION AND MATERIALS

# TWISTED LOFTS



## A VERTICAL NEIGHBORHOOD IN THE EAST VILLAGE

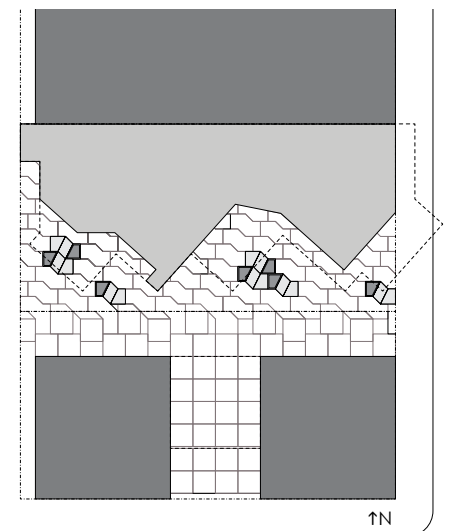
The retreat from suburbia to city centers threatens to endanger some attractive features of suburban life such as space, neighborliness, and the front door itself. This project attempts to recreate those features in a fifteen unit urban mid-rise.

Challenging our acceptance of a shared corridor to access units via the back, this project uses branched circulation to penetrate the structure and again access units through a front door. This concept creates clusters of units that share circulation elements thereby encouraging interaction and neighborliness.

The fifteen split level lofts feature open-air living rooms and kitchens with vibrantly colored privacy screens and a large set of interior stairs inspired by activated stairways such as the Spanish Steps. The ground level courtyard provides access to the street and to a park shared by the block to the west.

3D Modelling - Rhino  
Rendering - V-Ray, Photoshop  
Diagrams - V-Ray, Photoshop, Illustrator

↑ VIEW FROM COURTYARD THROUGHWAY



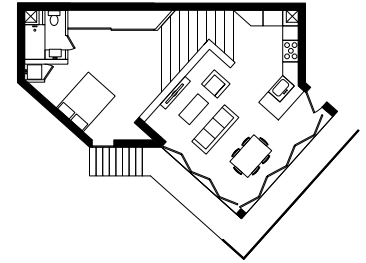
↑ SITE MAP

↑ GROUND PLAN

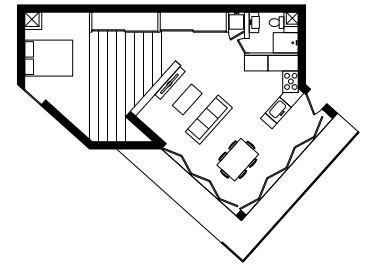


↑ THE VERTICAL NEIGHBORHOOD

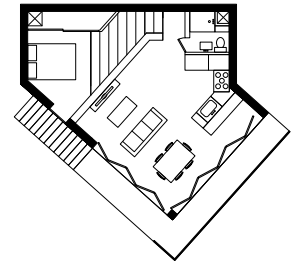
PLAN A  
4 UNITS  
875 SQ FT



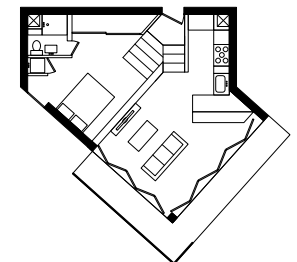
PLAN B  
2 UNITS  
875 SQ FT



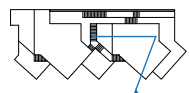
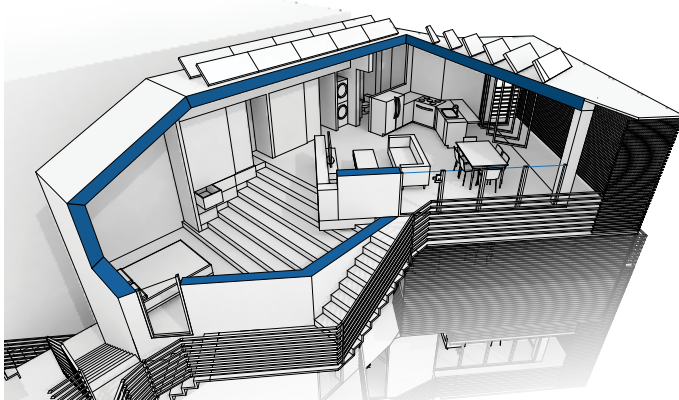
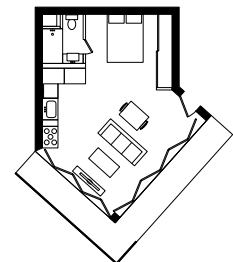
PLAN C  
2 UNITS  
675 SQ FT



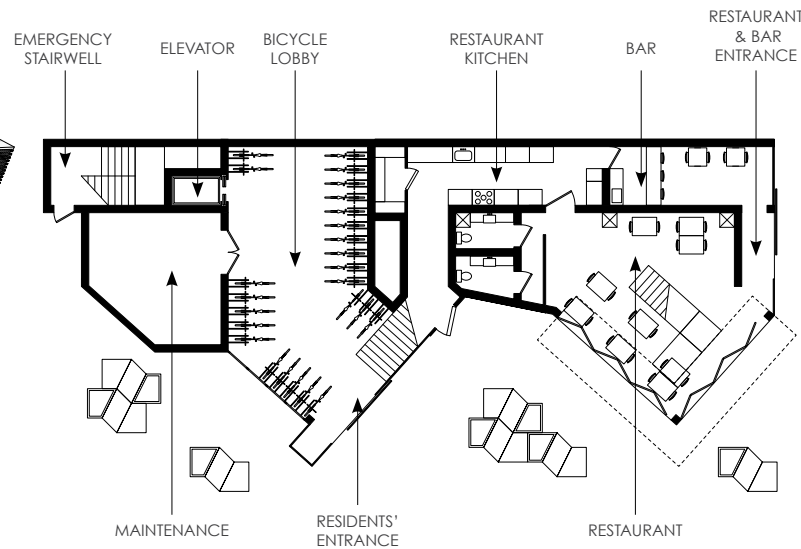
PLAN D  
2 UNITS  
675 SQ FT



PLAN E  
5 UNITS  
520 SQ FT



↑ UNIT PERSPECTIVE SECTION

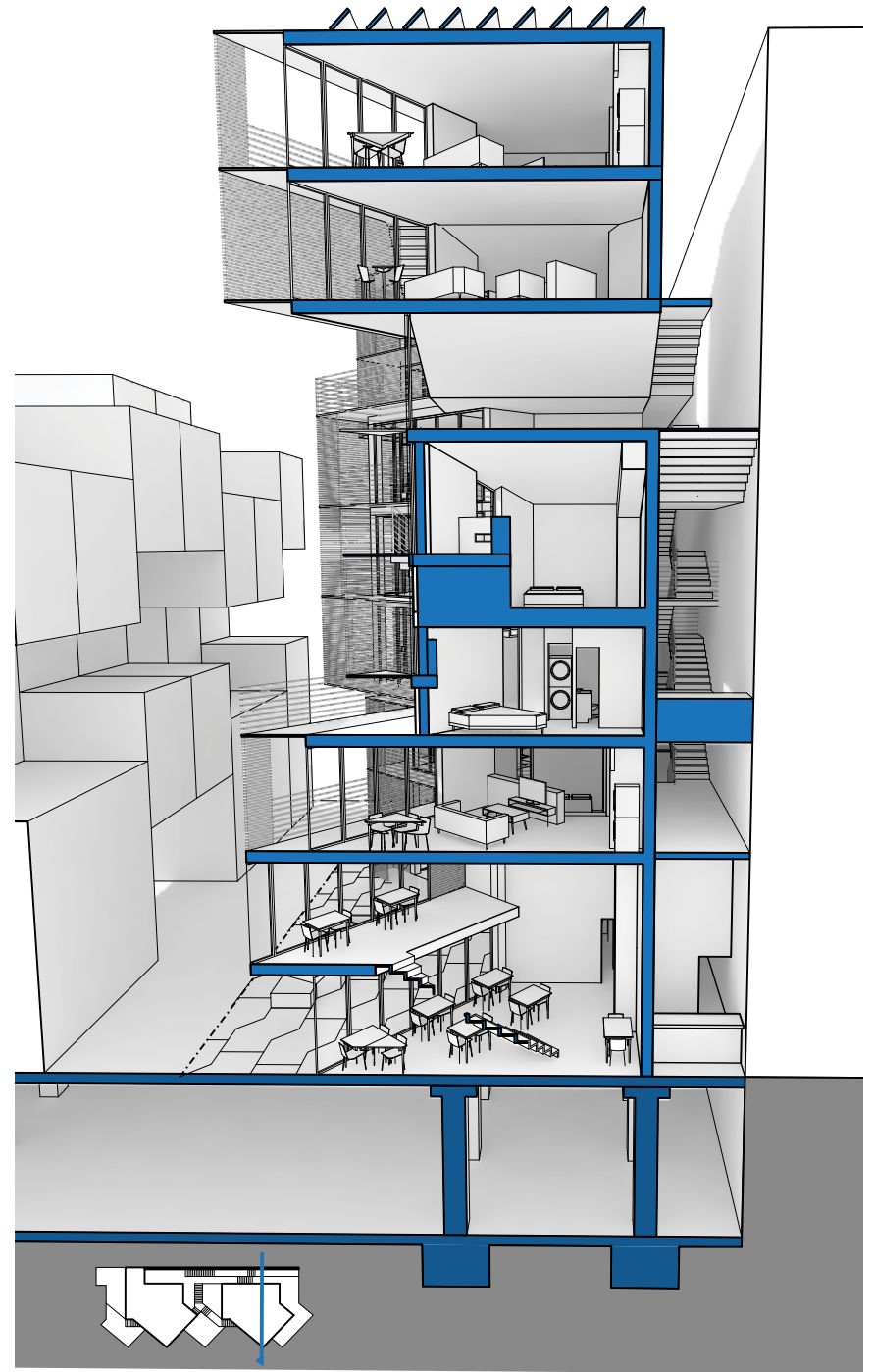


↑ GROUND FLOOR PLAN

↑ UNIT FLOOR PLANS

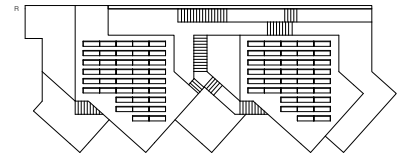
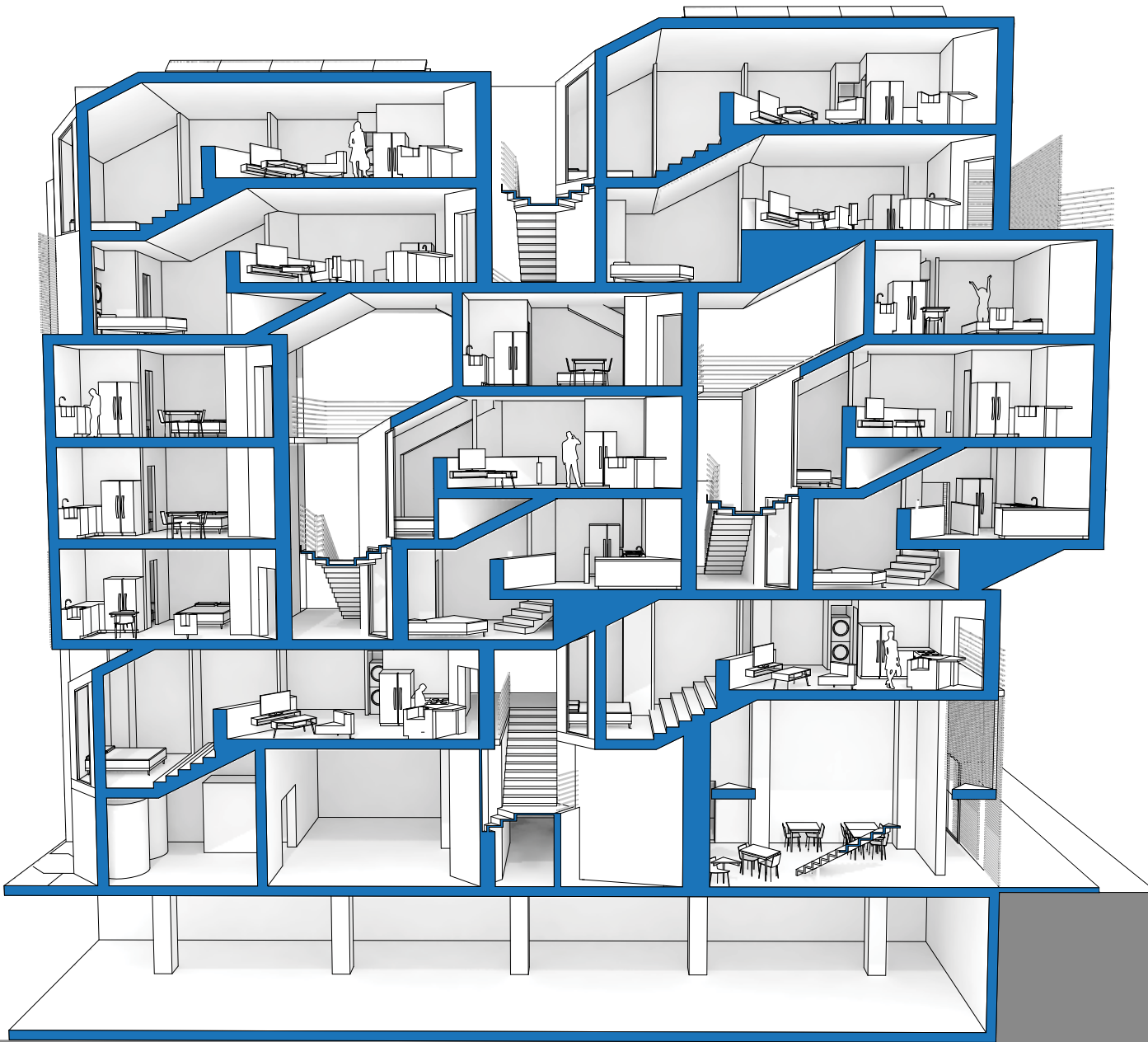


↑ STREET VIEW

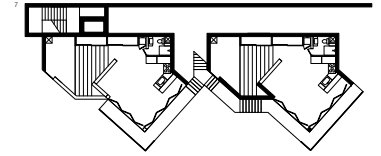


↑ TRANSVERSE PERSPECTIVE SECTION

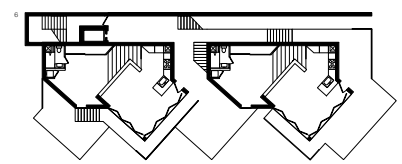




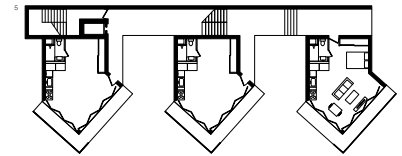
↑ ROOF



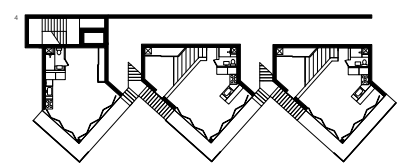
↑ 7TH FLOOR



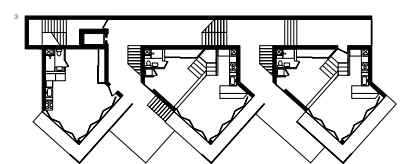
↑ 6TH FLOOR



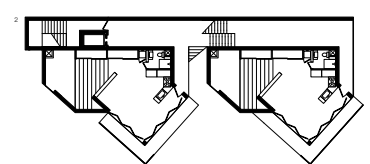
↑ 5TH FLOOR



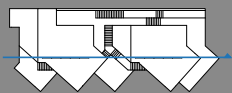
↑ 4TH FLOOR



↑ 3RD FLOOR



↑ 2ND FLOOR



↑ LONGITUDINAL PERSPECTIVE SECTION

# WOOD WORK



↑ ACCORDION LIQUOR CABINET

## ARCHITECTURE AT SCALE

Fusing mid-century modern, Japanese, and contemporary design philosophies, my design style uses bold profiles to accentuate the natural beauty, color, and texture of wood while highlighting elements that reveal the handmade quality of each piece.

I believe there is no substitute for a human touch when designing and building with wood. It is an enduring organic material that requires a special feel and knowledge to work correctly and to it's full potential. This is a forgotten skill in our mass produced disposable society. My furniture seeks to renew what hundreds of years of woodworking practice taught while incorporating today's aesthetic.



↑ FIRST WORK - BED & SHELVES, 1998



↑ ACCORDION LIQUOR CABINET - INTERIOR



↑ SPROUT FLOOR MIRROR



↑ ARC EASY CHAIR - BACK



↑ FLAG COFFEE TABLE



↑ ARC EASY CHAIR

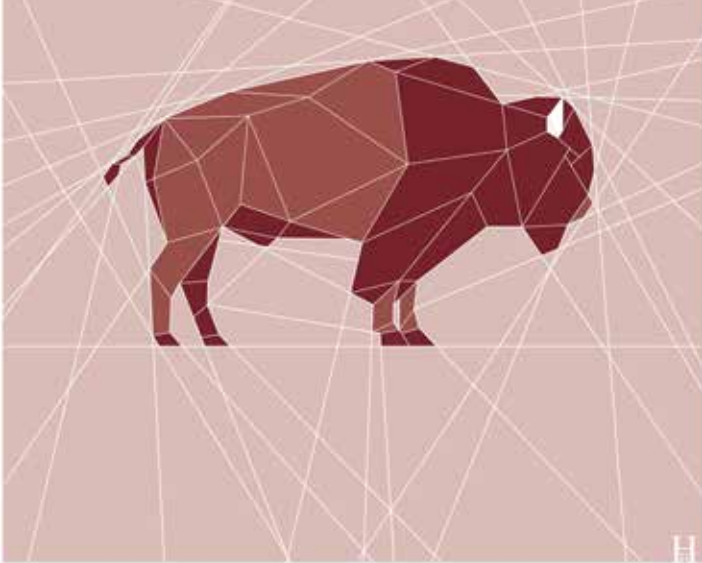


↑ ZENNER COFFEE TABLE



↑ TOY TANK - TOY BOX

# EXTEND



↑ 1

## A STUDY IN COINCIDENTAL GEOMETRY

This graphic study explores the coincidental interaction between a subject's geometry and the negative space surrounding it.

Each piece simplifies a subject into three colors and a series of anatomical facets. The line segments defining each profile extend into negative space in order to reveal its hidden geometric relationships. These relationships, which include line intersections, direction, and spacing, are used to re-inform the profile through subsequent levels of tangent line refinement. The more refined the negative space geometry becomes, the more refined, simplified and deliberate the profile appears.

The process is inspired by hidden geometries in Baroque architecture (specifically of Borromini and Bernini), star constellations, marionettes, origami, and webs.

Drawings - Illustrator



↑ 2

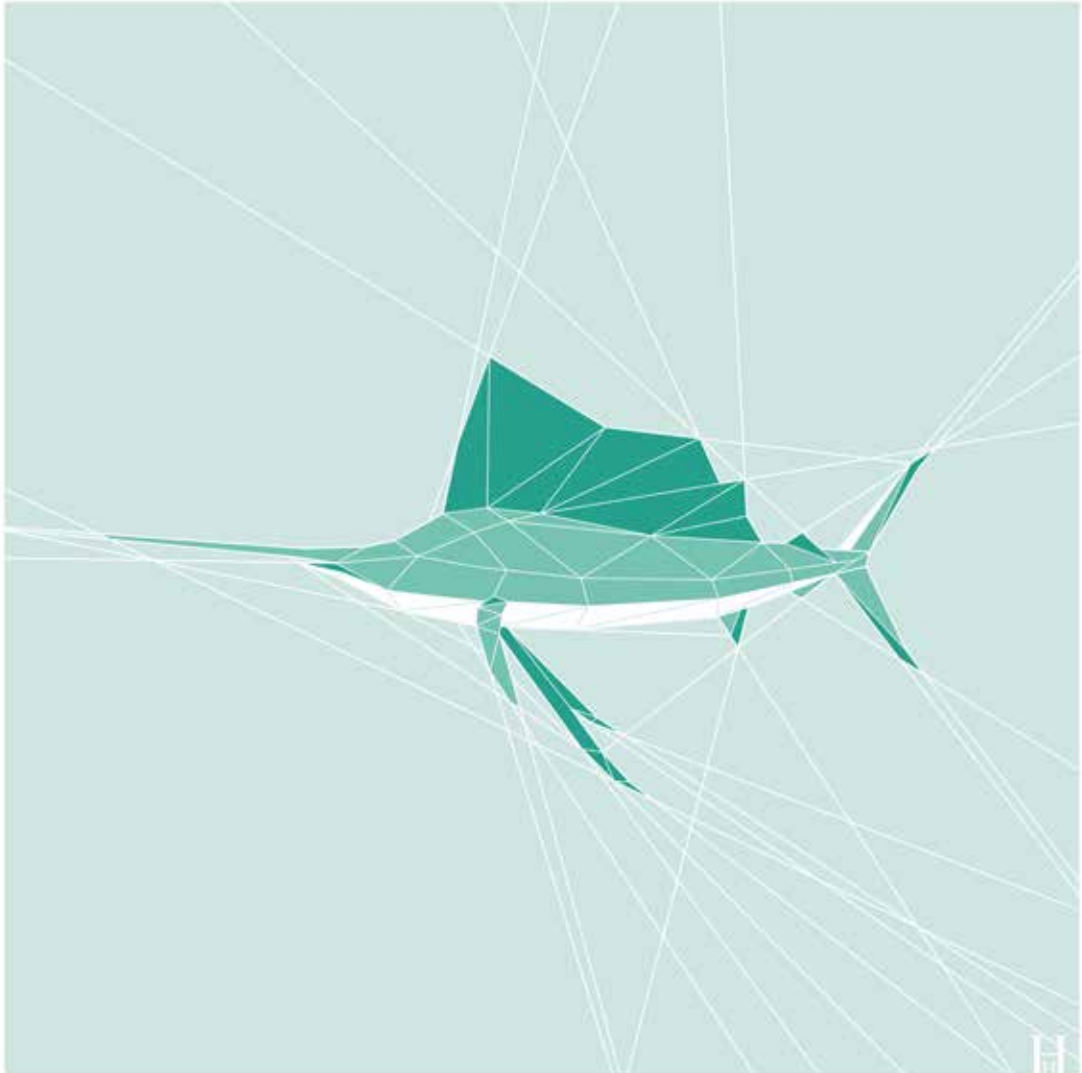


↑ 3



↑ 4

↓ 9





↑ 5



↑ 6



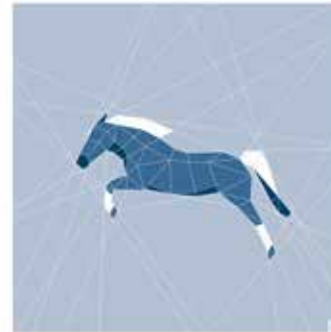
↑ 7



↑ 8



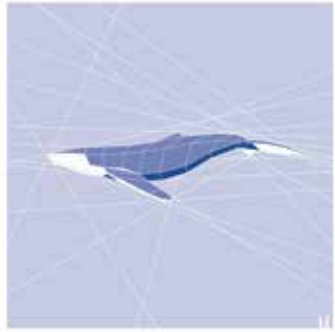
↑ 10



↑ 11

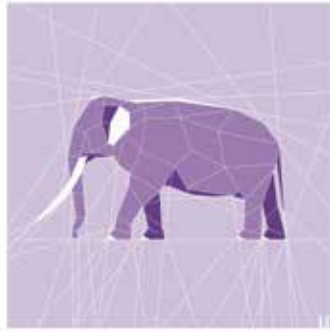


↑ 12



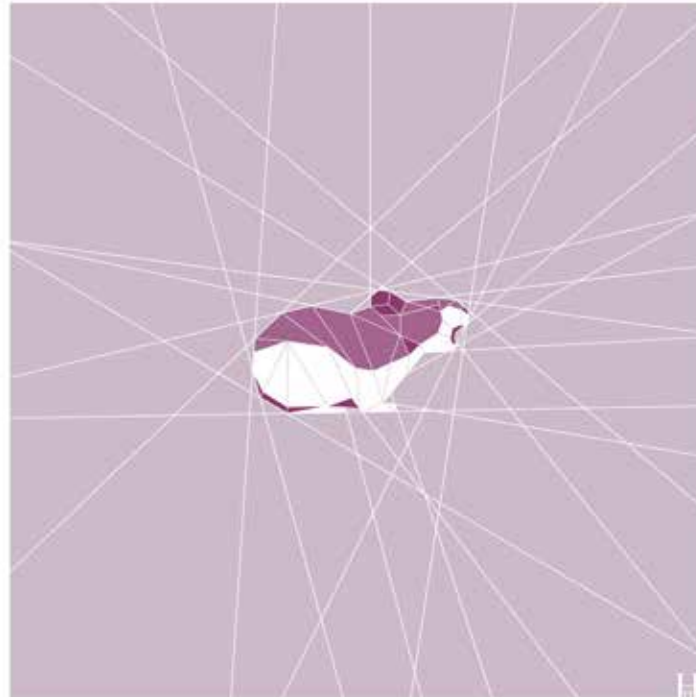
↑ 13

↓ 17



↑ 14

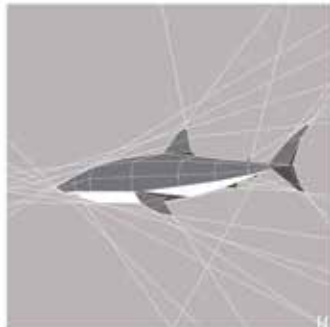
↓ 18



↓ 15



↑ 16



- |                 |                 |
|-----------------|-----------------|
| 1. BISON        | 10. PEACOCK     |
| 2. DEER         | 11. HORSE       |
| 3. RED FOX      | 12. BARN OWL    |
| 4. LION         | 13. HUMPBACK    |
| 5. HARE         | 14. ELEPHANT    |
| 6. HUMMINGBIRD  | 15. PIKA        |
| 7. GRIZZLY BEAR | 16. YAK         |
| 8. SQUIRREL     | 17. T-REX       |
| 9. SAILFISH     | 18. GREAT WHITE |



As an architect you design for the present, with an awareness of the past, for a future which is essentially unknown.

– Sir Norman Foster

When I start, my first idea for a building is with the material. I believe architecture is about that. It's not about paper, it's not about forms. It's about space and material.

–Peter Zumthor

If you have total freedom, then you are in trouble. It's much better when you have some obligation, some discipline, some rules. When you have no rules then you start to build your own rules.

– Renzo Piano