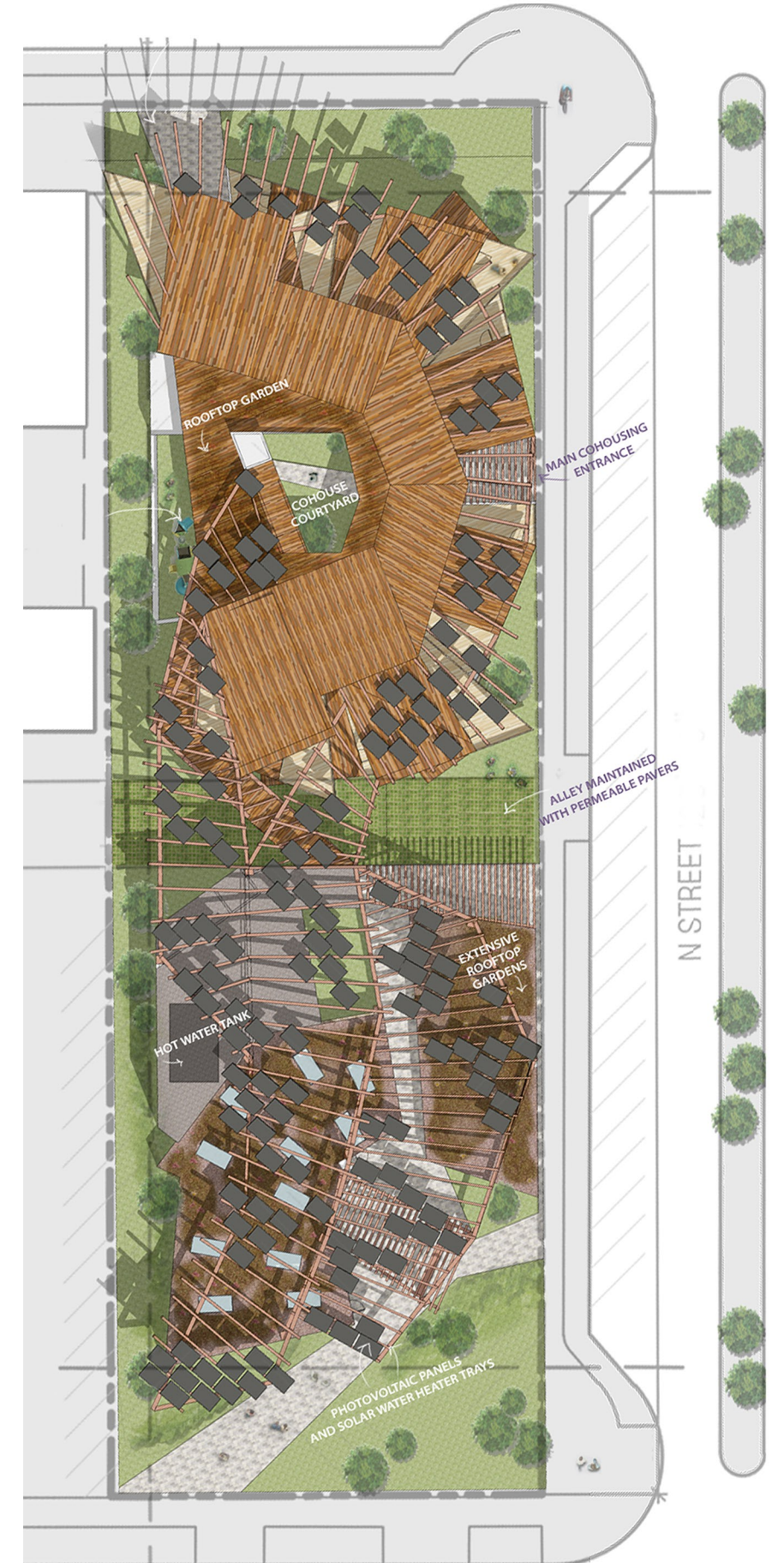
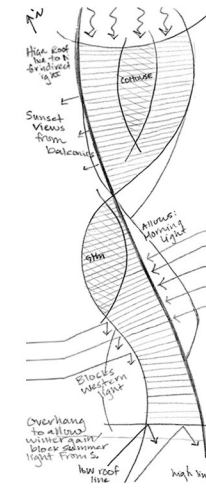
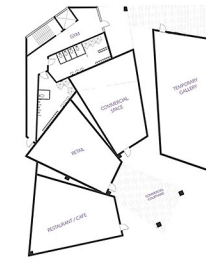
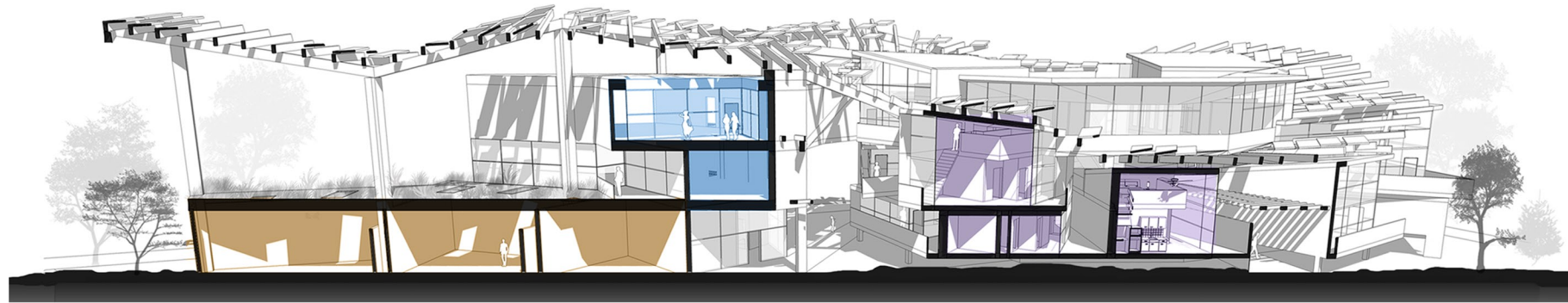
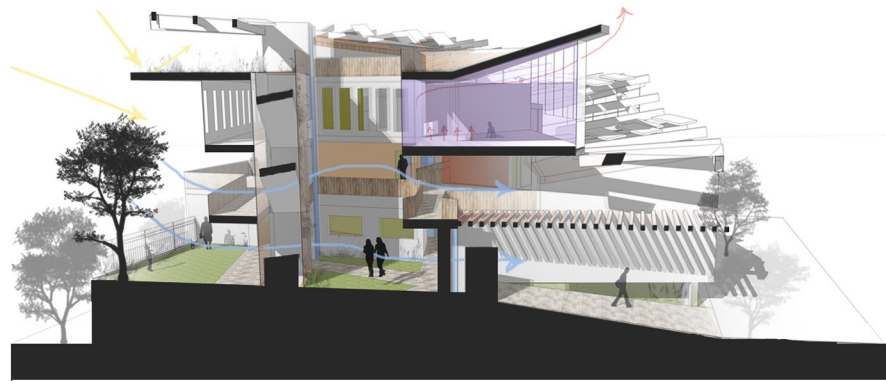


## ARCHITECTURE STUDIO DESIGN

### COMPETITION: LEADING EDGE NET-ZERO MIXED-USE

Responding to the Leading Edge Competition, this mixed-use community in Merced, CA showcases cohousing in a net-zero design. The solution utilizes a wood framed canopy covered in photovoltaics, acting as an exoskeleton to the nodes below. Spaces condense around specific communal uses and expand from those nodes to flex spaces, creating pressure contrasts between private and public areas. That contrast is echoed in the project's materials and structural performance, balancing tensile and compressive elements throughout the development. Presentation materials include hand sketches, physical models, and SketchUp modeling.

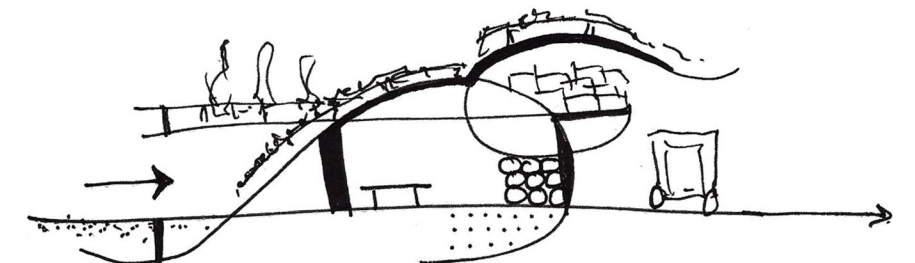
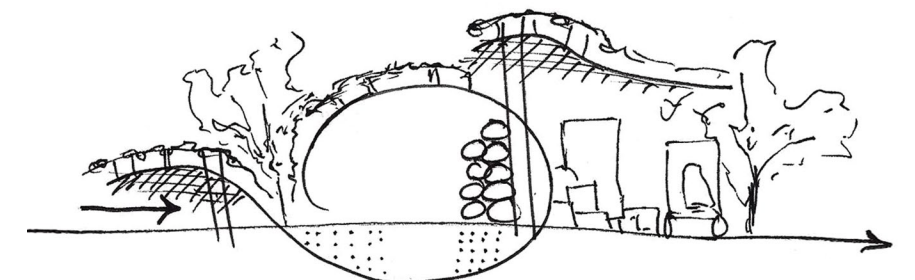
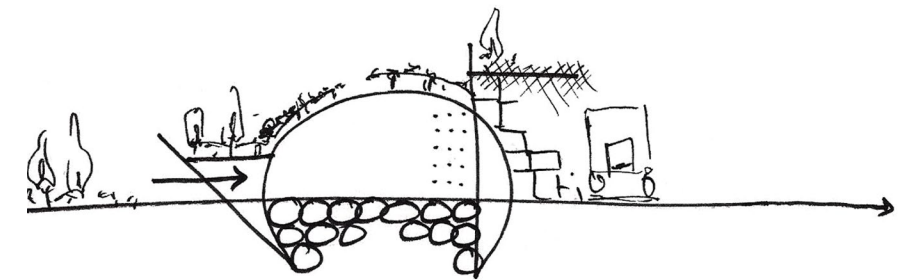
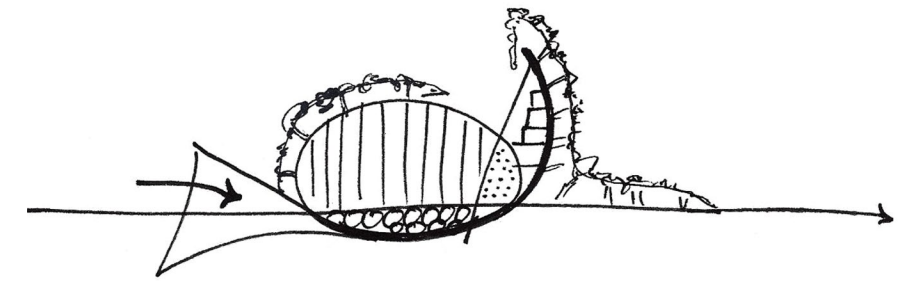
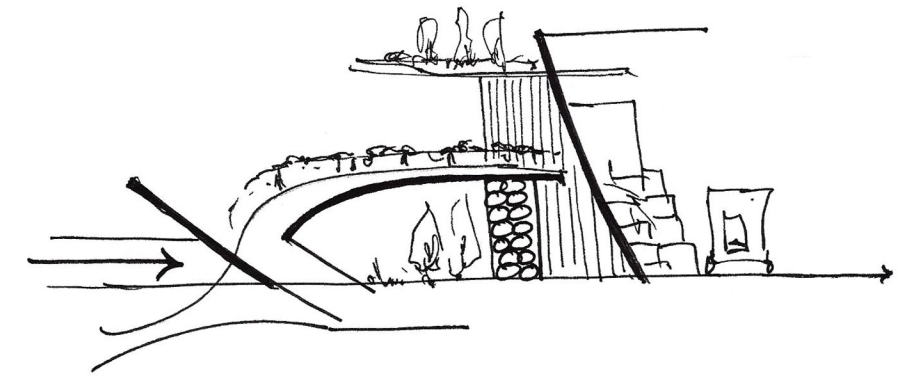
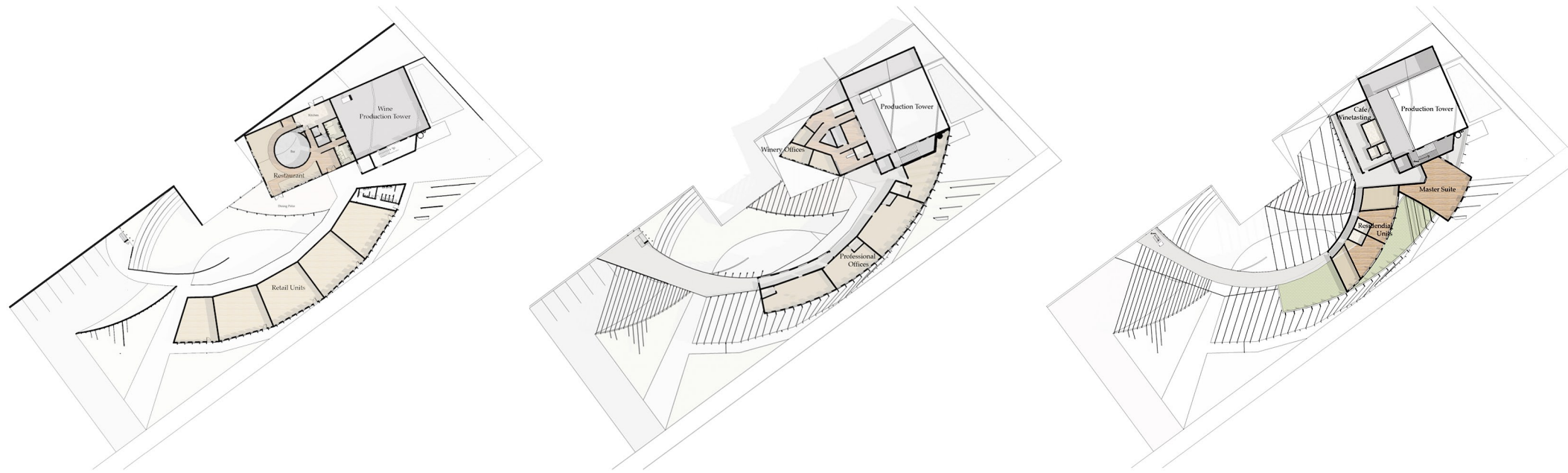


## ARCHITECTURE STUDIO DESIGN

### VERTIVINEYARD: AN URBAN WINERY

This project proposes development of an urban winery and vineyard located in Downtown San Luis Obispo, CA. The design concept looks to vertical farming as inspiration and uses engineered wood frames spanning from pedestrian level and up over the retail, office, and industrial programmed spaces. These frames are installed to act as vine support structures, training grapes to cover the building over time and provide shade to a central performance space. Presentation material created with SketchUp modeling and hand sketches.

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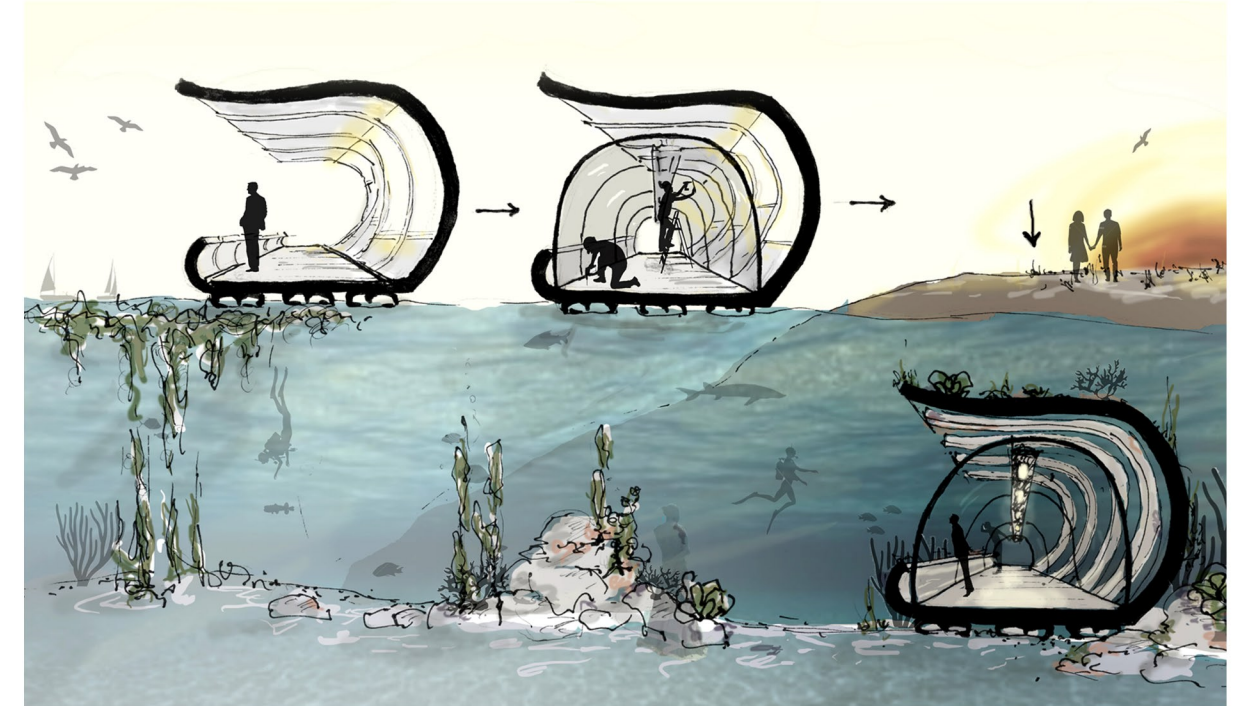
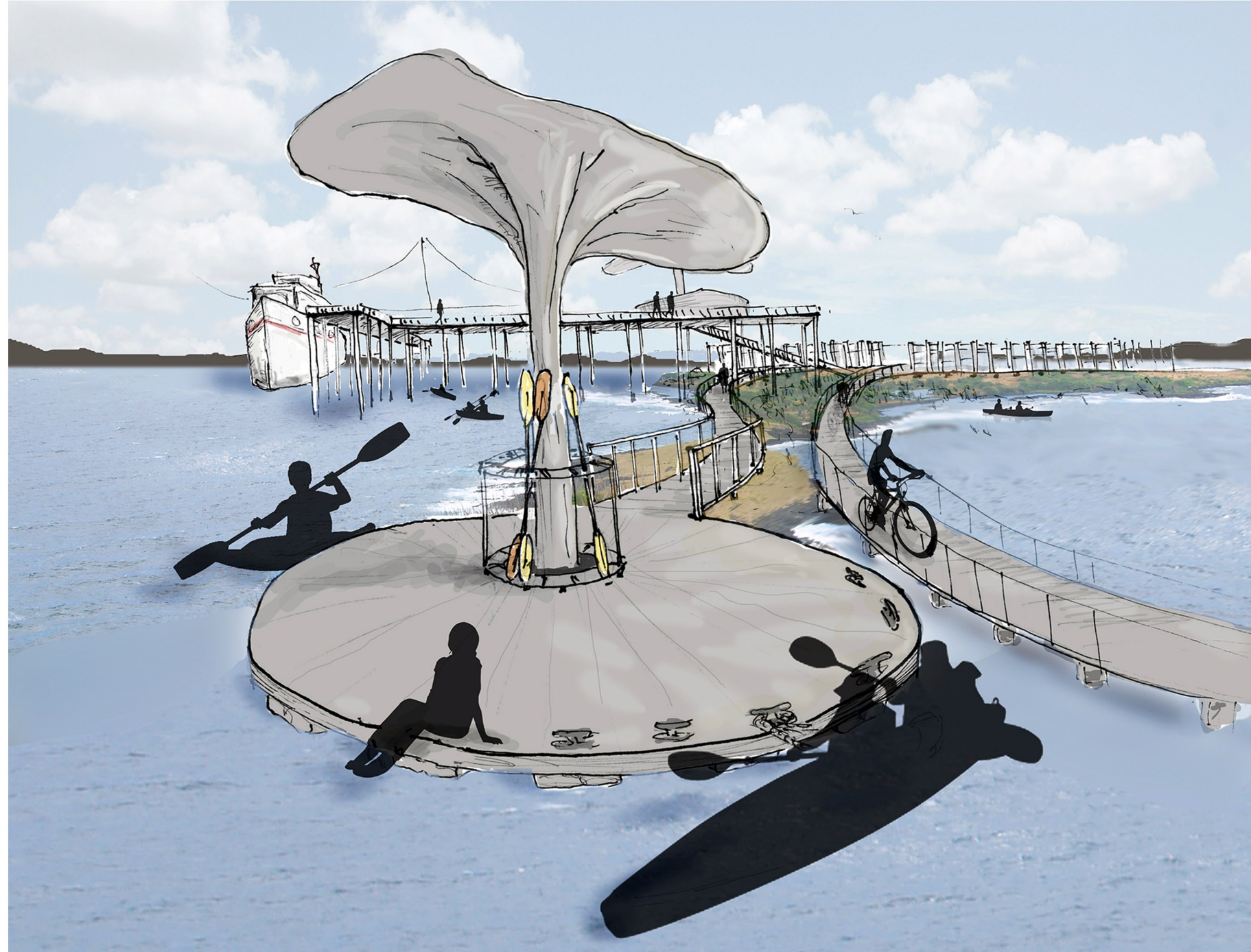
LEAH  
ALISSA  
BAYER

## INTEGRATED PROJECT DELIVERY - DESIGNER

### COMPETITION: SHUTES FOLLEY RESTORATION

Collaboration between architecture, landscape, and city + regional planning students  
Competition to create a park celebrating a sinking landmark, Castle Pinckney  
Contributions include park design and all graphics including presentation boards  
Visited Charleston, SC to experience the site in person and document the decay  
Conceptual images are digital painting composites, created with Wacom + PS

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WORK SAMPLES [ACADEMIC]

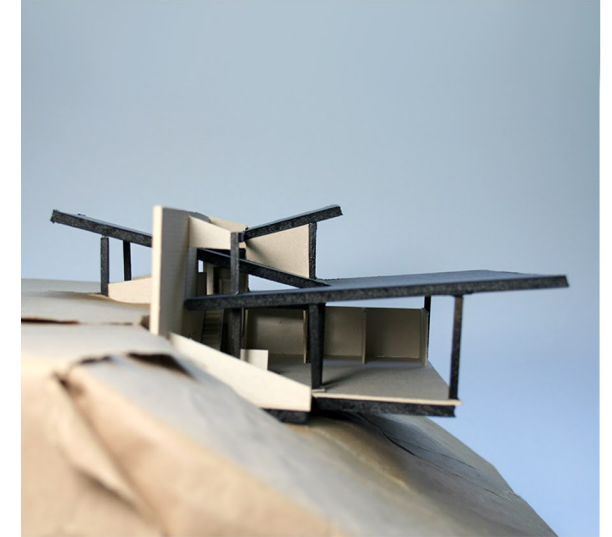
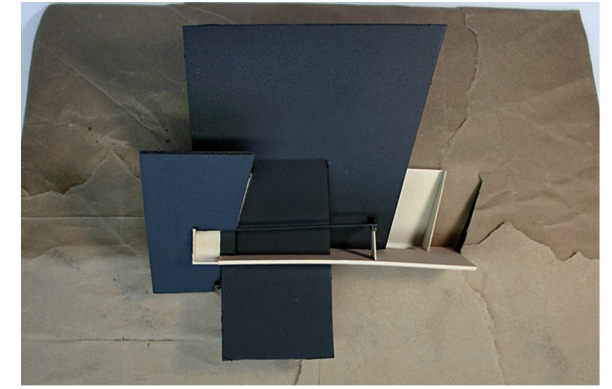
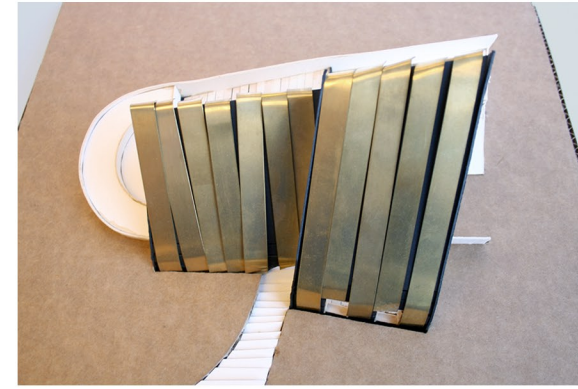
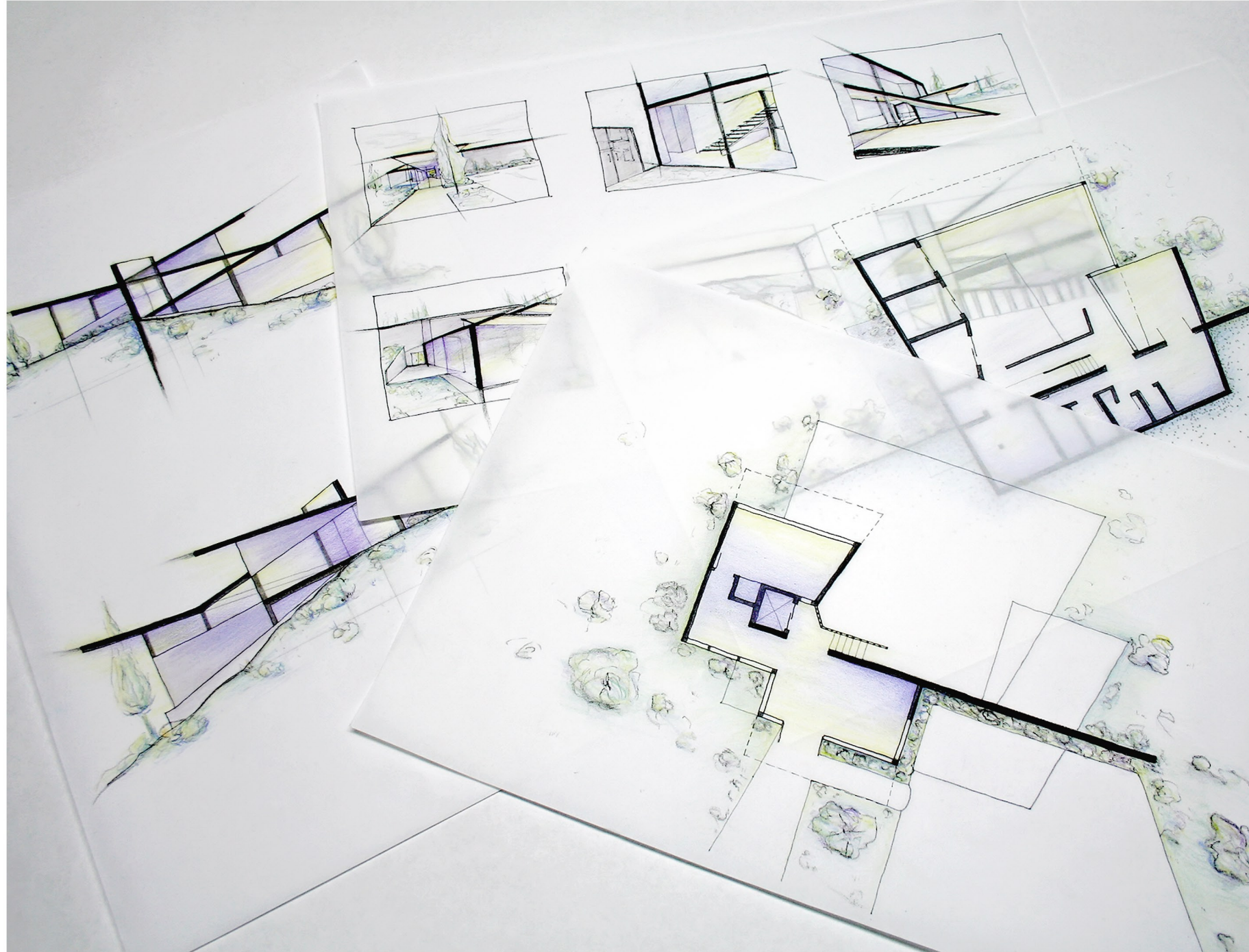
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ALISSA  
BAYER

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## ARCHITECTURE STUDIO DESIGN

### BLUFF PAVILION + ARCHITECT'S OFFICE

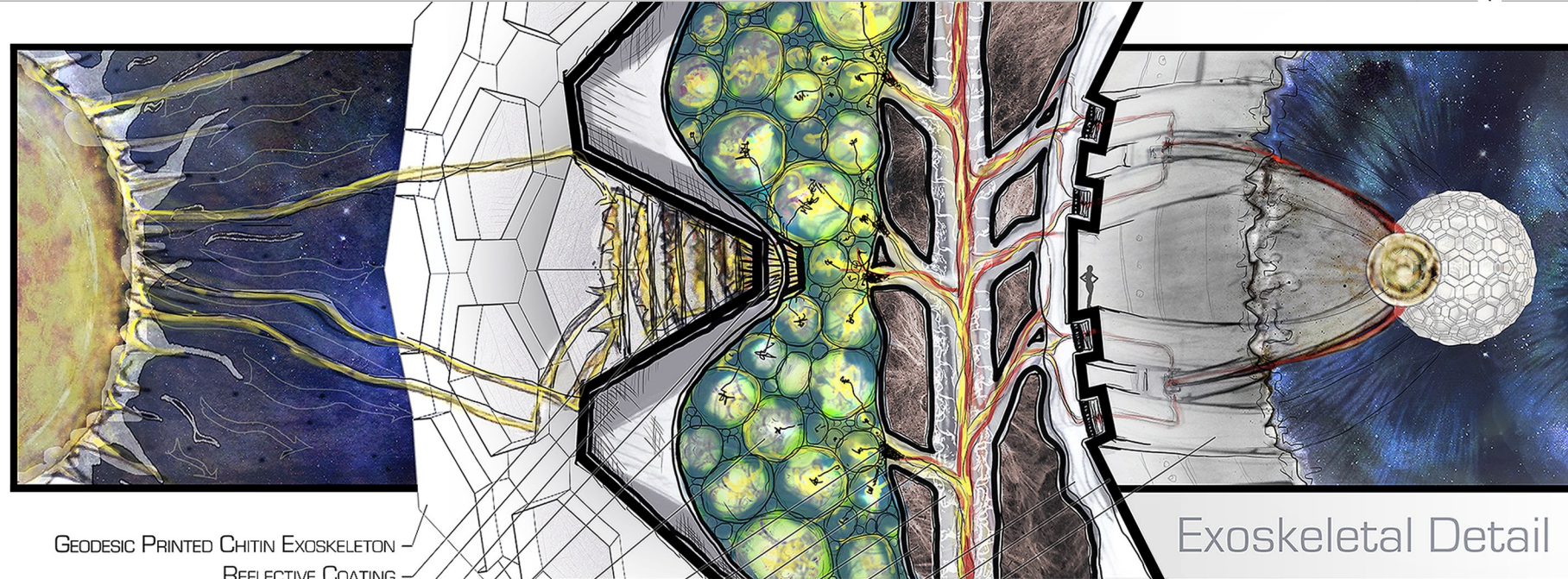
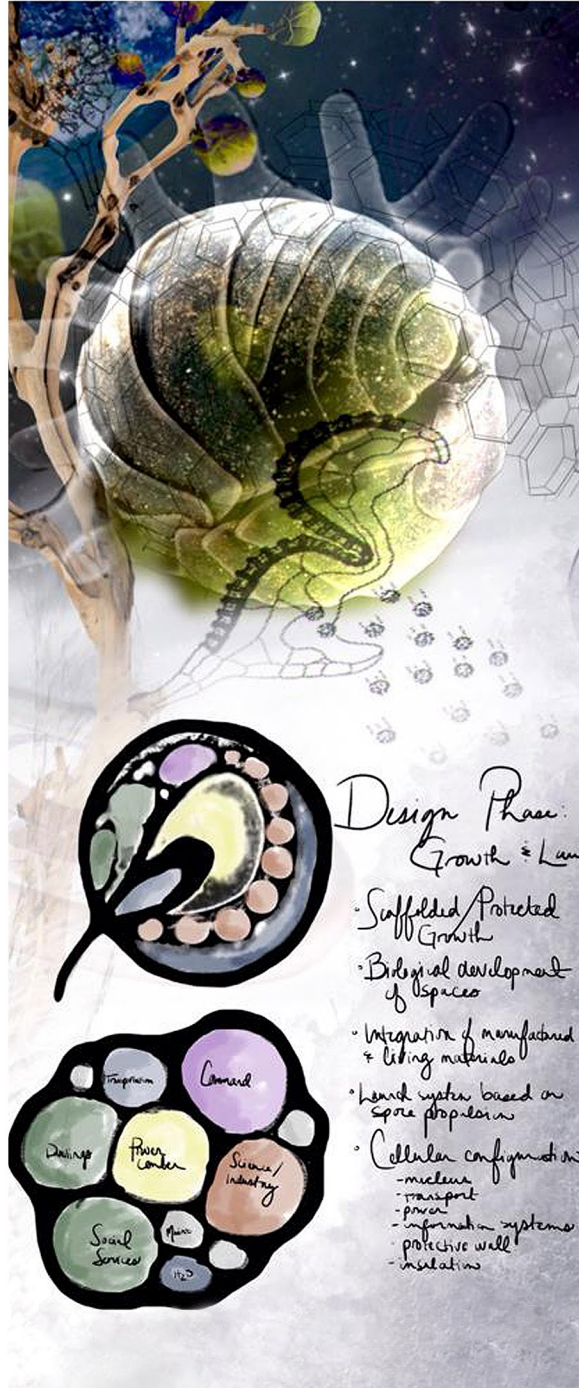
Pavilion and office design developed for a bluff in Santa Maria, CA overlooking the Pacific Ocean. The concepts explore passive solar heating and cooling by submerging thick massing and internal spaces within the hillside. Low visual impact at the street level yet dynamic cliff profiles defines the style of both of these projects. Presentations included physical models + hand-rendered schematic plans on vellum.



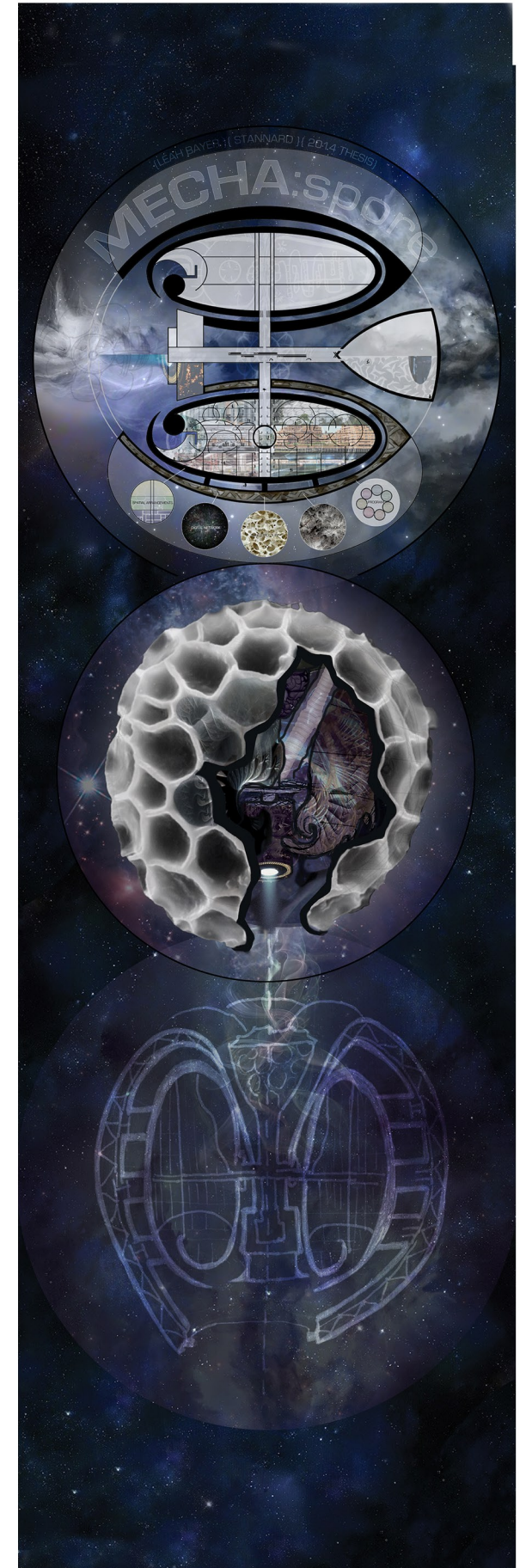
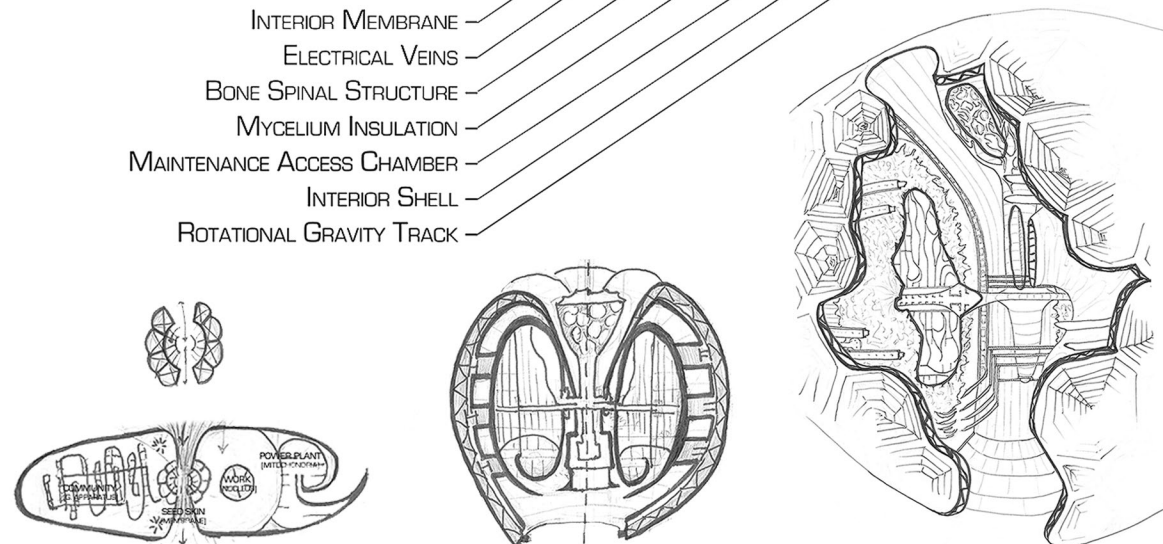
5<sup>TH</sup> YEAR STUDENT THESIS

MECHA:spore – AN INTERSTELLAR BIOMECHANICAL STARSHIP

MECHA:spore is a grown, adaptive, cyclical architecture, developed during a biological revolution occurring hundreds of years post-Earth collapse. Character-architecture symbiosis illustrates the enriching experience of designing and inhabiting a living architecture or starship biosphere. MECHA:spore, Earth's spore, is a fortified catalogue of knowledge and library of life, born from Earth and propelled to replicate among the stars. Thesis presented with graphic posters, conceptual section models, and an illustrated novel issued in both hard copy and via custom app.



- GEODESIC PRINTED CHITIN EXOSKELETON
- REFLECTIVE COATING
- SOLAR HARVESTING CAVITIES
- CARTILAGE DECKING
- PARTICLE FILTER
- CONDUCTIVE PLASMA
- ENERGY CELLS - STORAGE & EXCHANGE
- ELECTRICAL CONVERTER
- INTERIOR MEMBRANE
- ELECTRICAL VEINS
- BONE SPINAL STRUCTURE
- MYCELIUM INSULATION
- MAINTENANCE ACCESS CHAMBER
- INTERIOR SHELL
- ROTATIONAL GRAVITY TRACK



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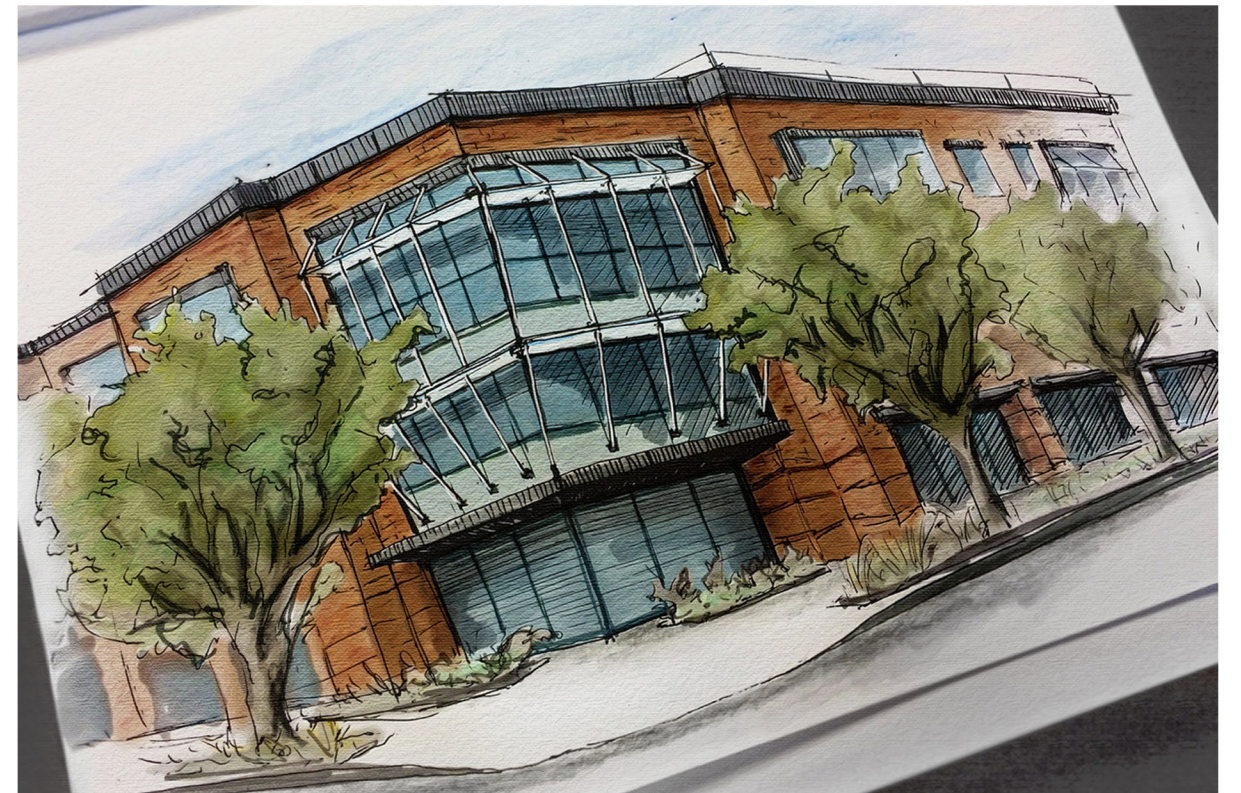
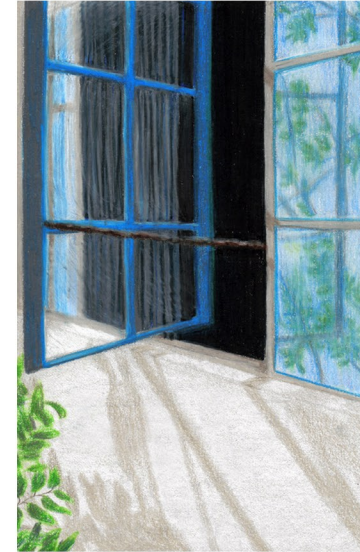
**ART + ILLUSTRATION**

**A SELECTION OF WORKS**

A showcase of selected personal work.

Sketches in ink, pencil, charcoal, and colored pencil.

Paintings in oil, acrylic, watercolor, and digital.



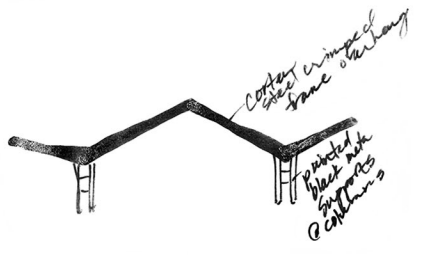
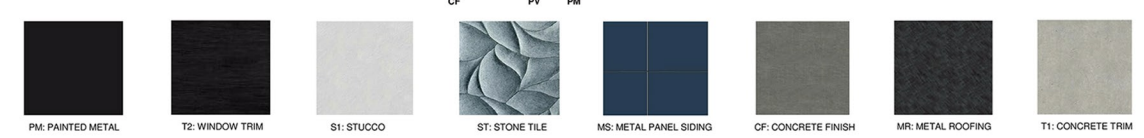
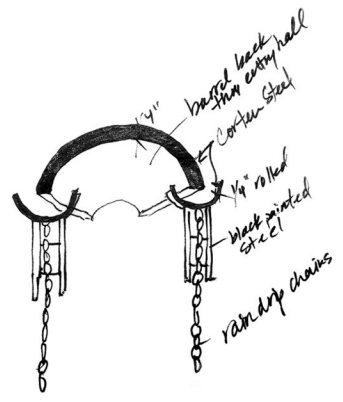
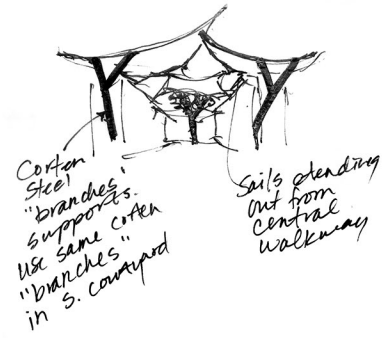
**LEAH  
ALISSA  
BAYER**

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**DESIGNER**

**MIXED-USE ON EL CAMINO - MOUNTAIN VIEW**

34,000SF 4-story mixed-use project with 2 levels of underground parking  
Conceptual exterior design options, materials selection, sculptural elements design  
2D / 3D drawings, modeling, renderings, and animation for city + client presentations  
Assist senior project manager with city planning + building permit submissions  
Entry canopy options modeled + rendered in Revit  
Materials options rendered in SketchUp



LEAH  
ALISSA  
BAYER

DESIGNER

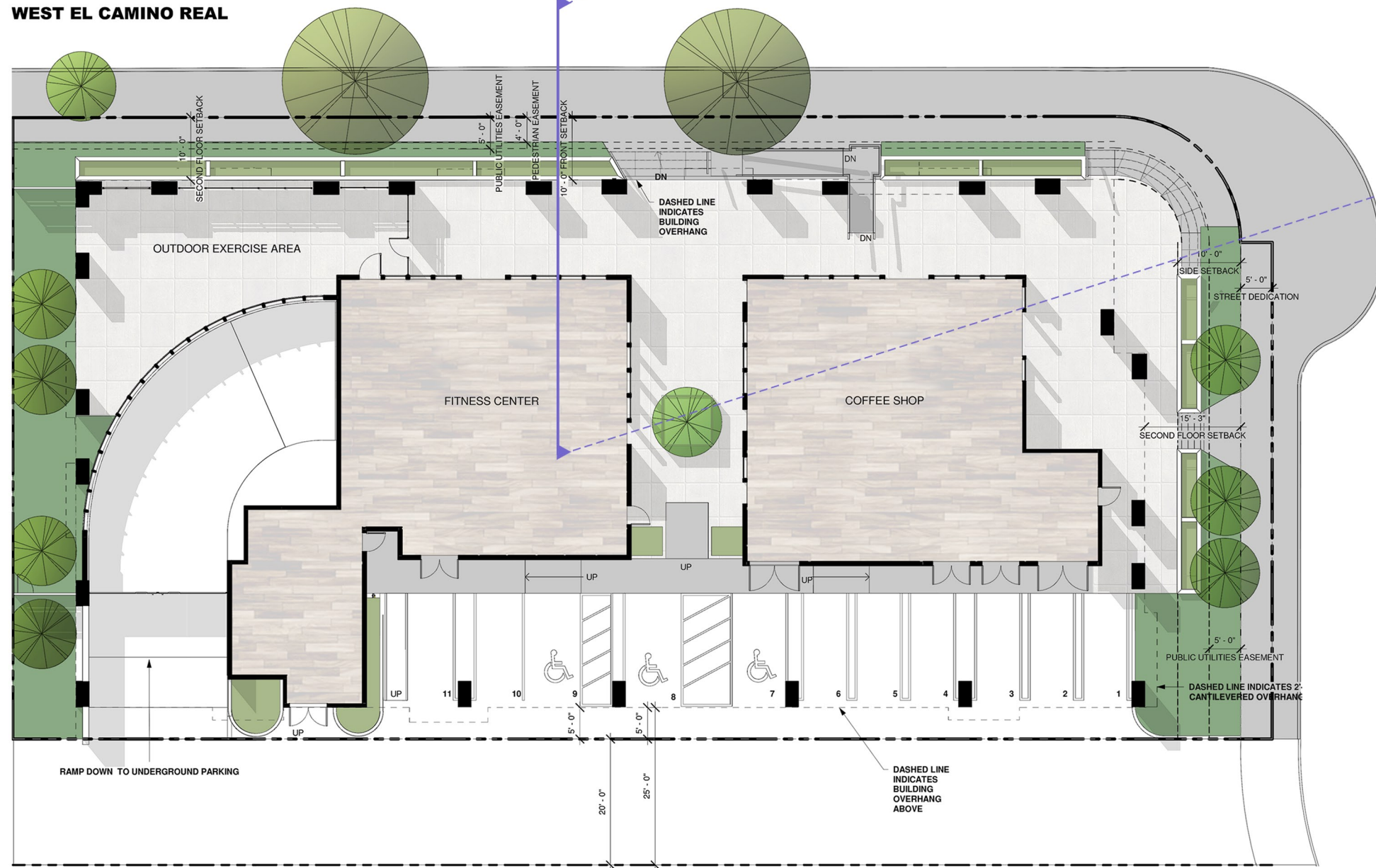
MIXED-USE ON EL CAMINO - MOUNTAIN VIEW

Site plan and building sections created in Revit

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WEST EL CAMINO REAL



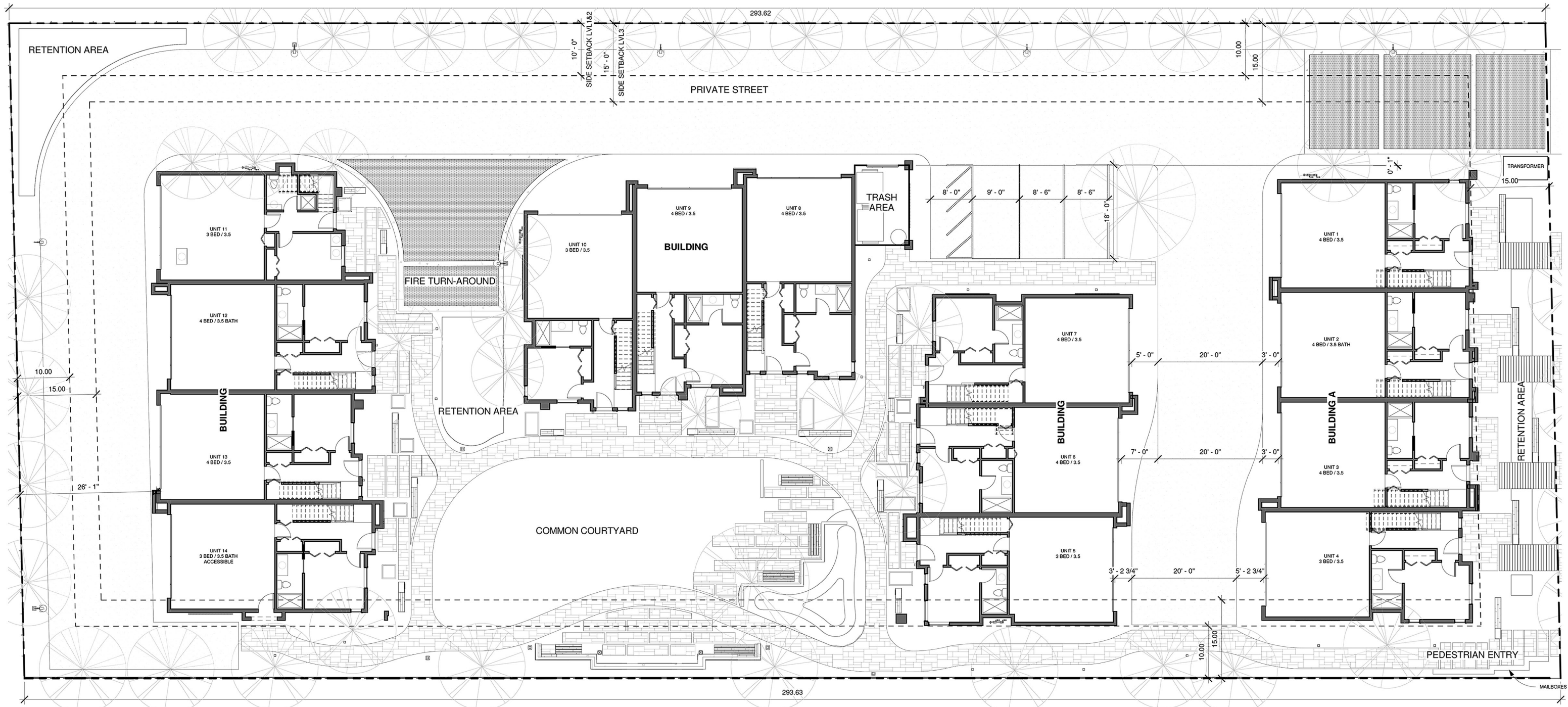
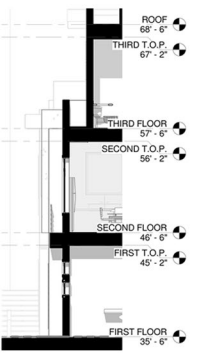
WORK SAMPLES [WMAA]



**SIERRA VISTA ROWHOUSES - MOUNTAIN VIEW**

Contemporary 14-unit rowhouse development with central courtyard  
 Site design, architectural design, detailing, and materials selection  
 Estimates, schedule, and contract writing + developer interfacing  
 Coordination with consultants, client, and contractor  
 Development of all submittals graphic presentation materials  
 All work shown here created in Revit

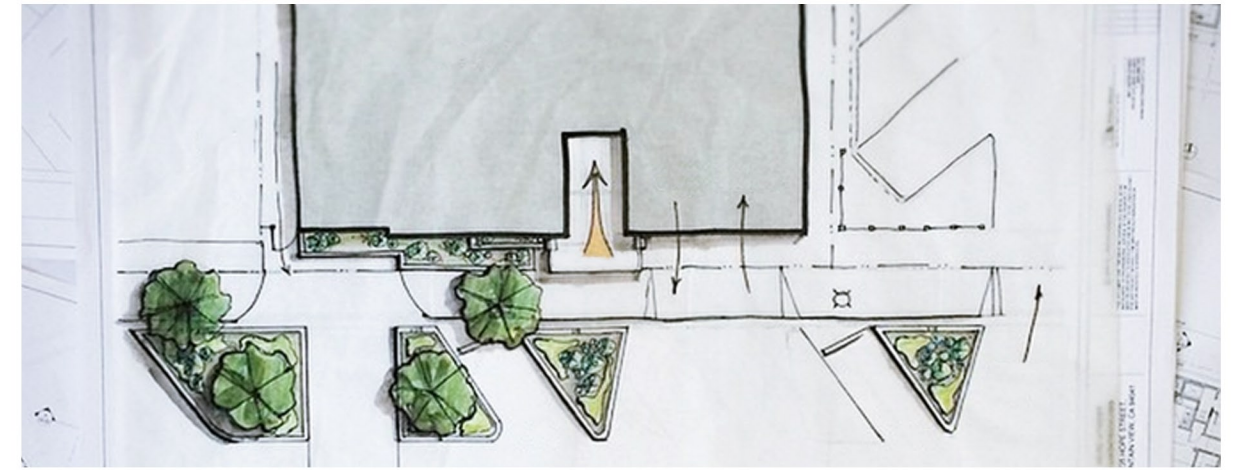
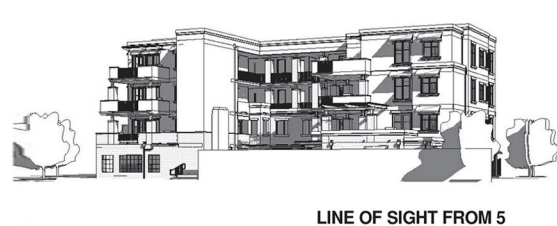
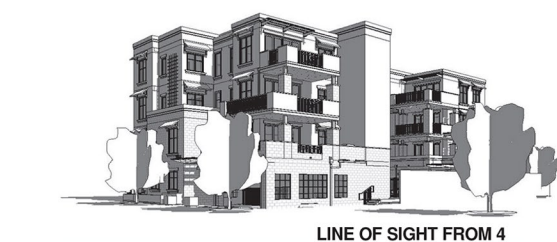
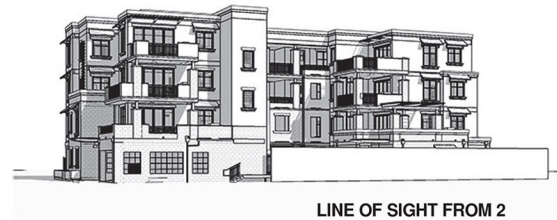
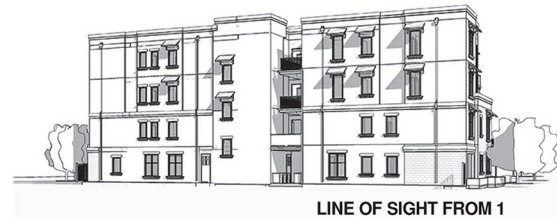
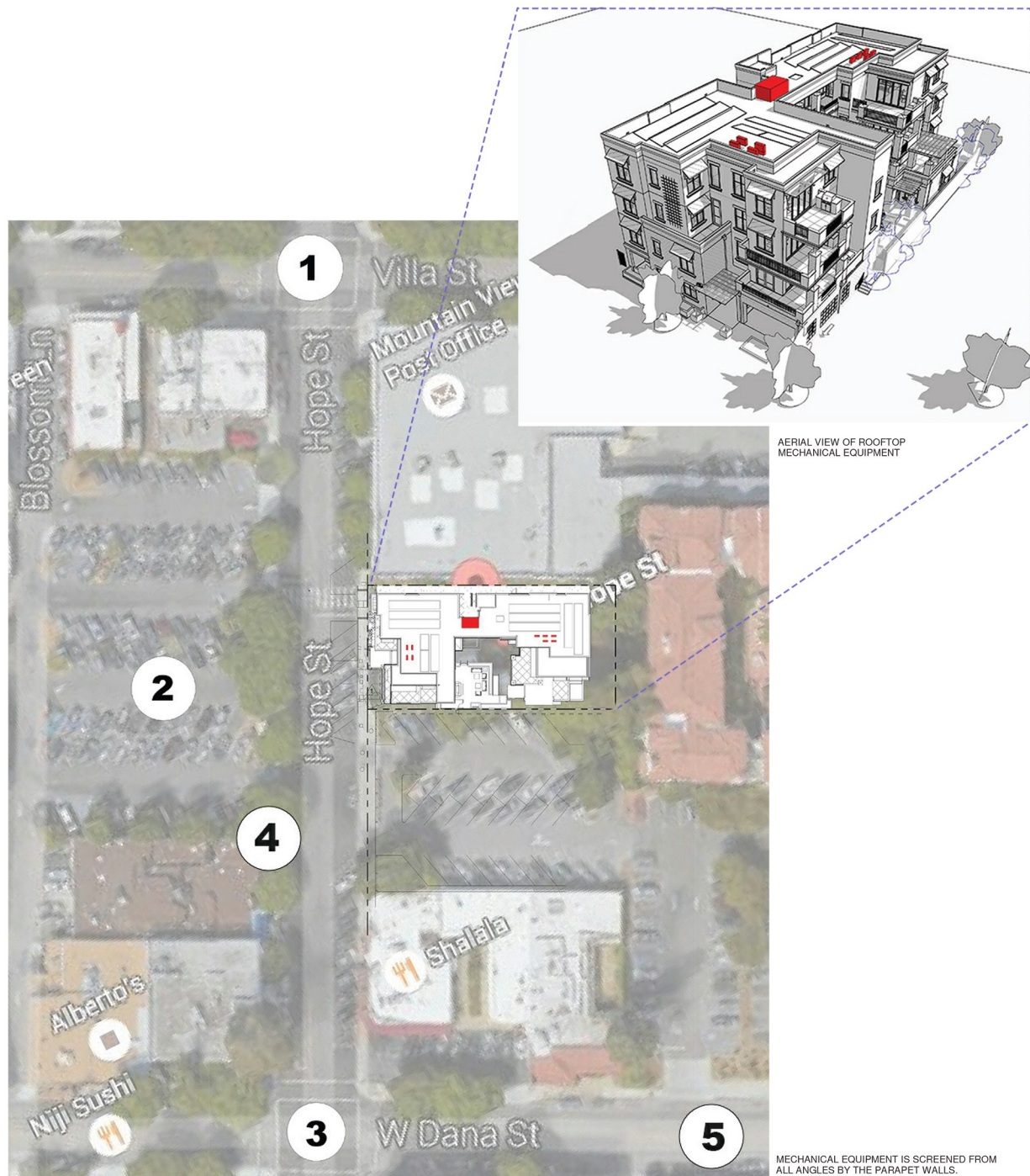
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**SENIOR PM + DESIGNER [2D/3D VISUALS]**

**THE BOND LUXURY CONDOS - MOUNTAIN VIEW**

9-Unit luxury (2,000+SF ea.) condominium project over basement parking  
Created presentation for public review, acquired all approvals + entitlements  
Developed construction docs, schedules, budgets, and all application docs  
Conducted code reviews, coordinated team of 30+ [internal staff + consultants]  
Worked with the developer/realtor to design luxury interiors  
Created photo-real renderings for marketing and sales  
Acquire phased permits for demo, excavation, shoring, foundation, + full building  
All digital work shown here created in Revit, including renderings [+ post-processed in Photoshop]

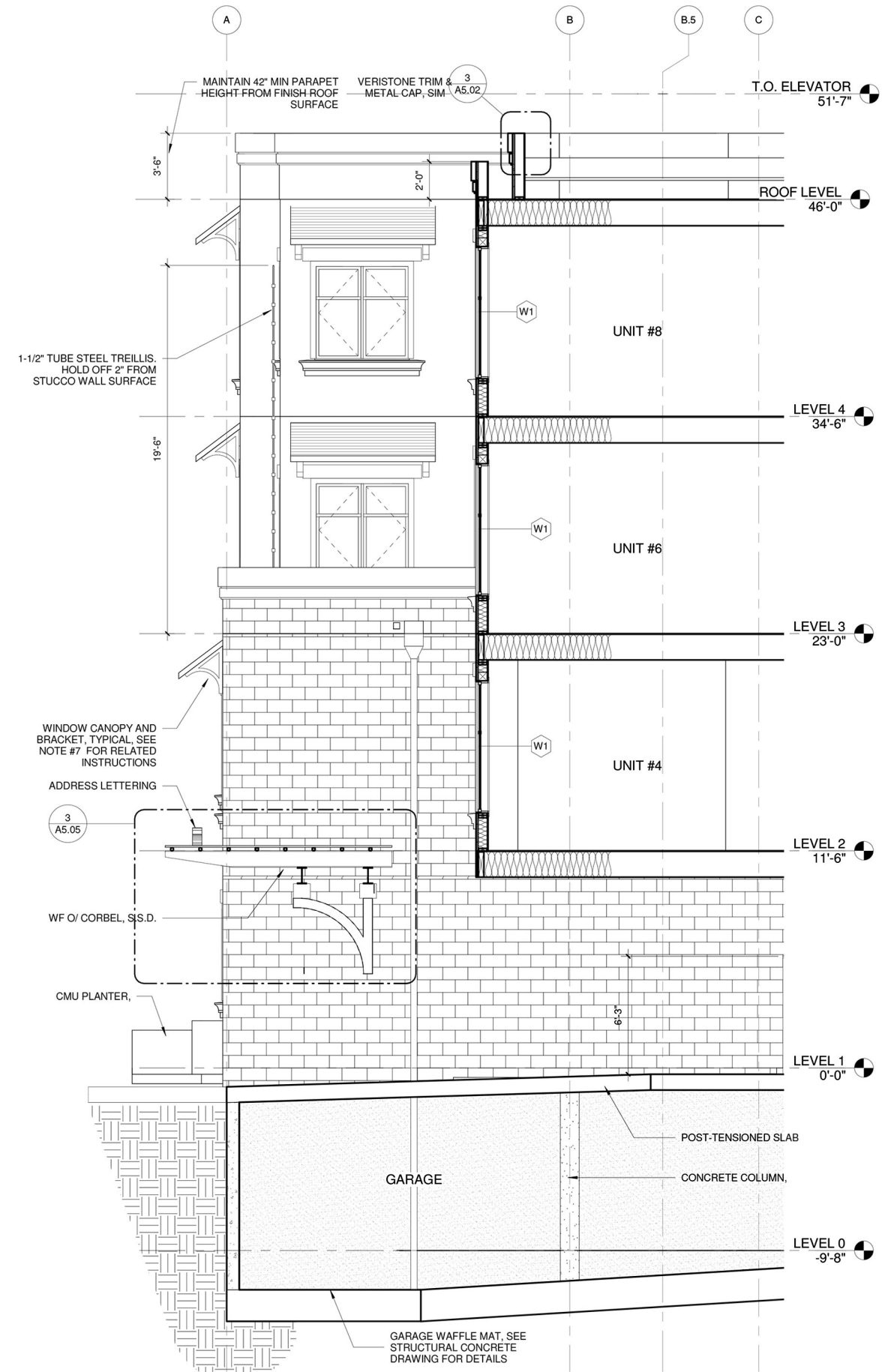
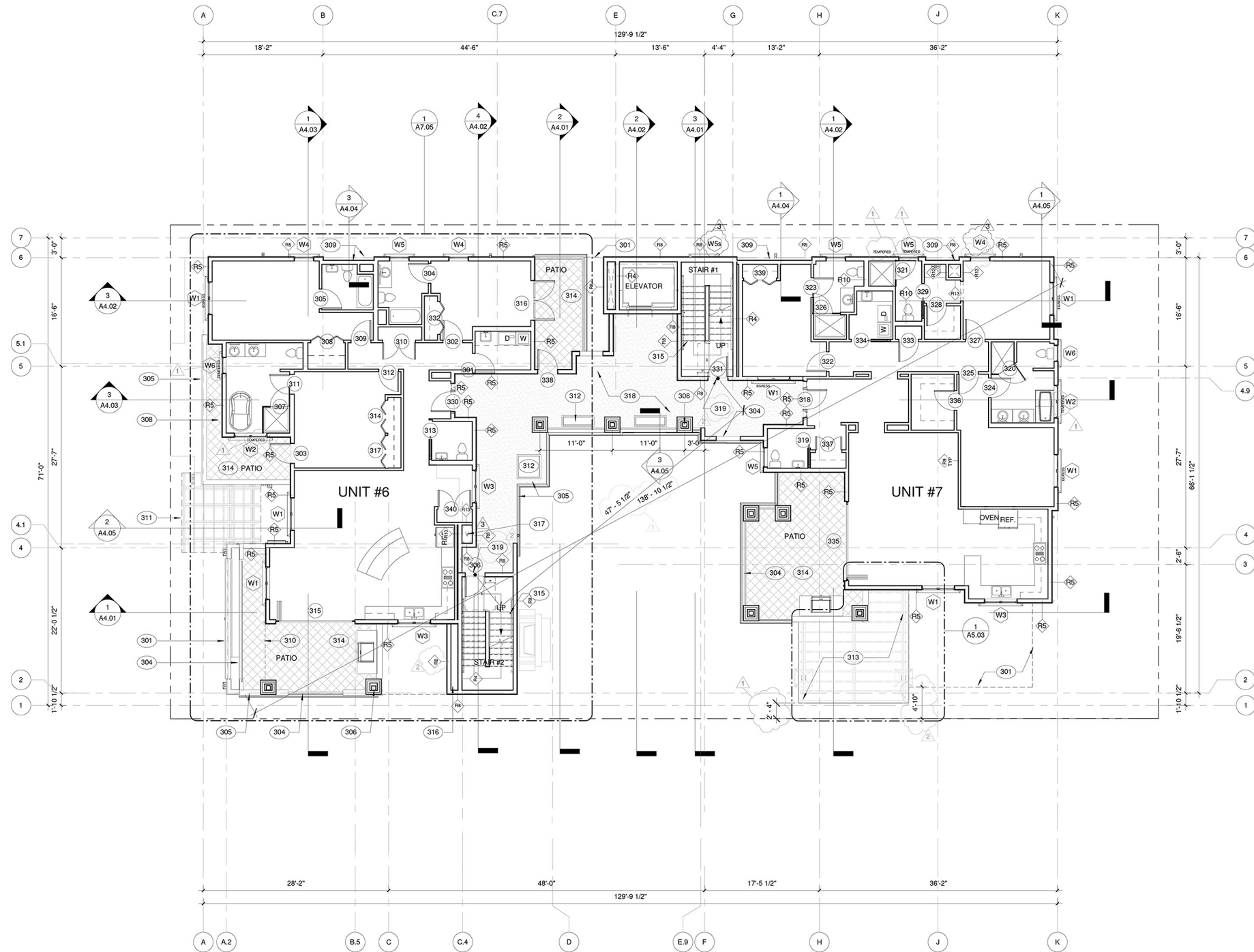


SENIOR PM + DESIGNER [2D/3D VISUALS]

THE BOND LUXURY CONDOS - MOUNTAIN VIEW

Third Floor Plan + Wall Section created in Revit

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**LEAH  
ALISSA  
BAYER**

**INTERIORS DESIGNER**

**MOUNTAIN LION RESIDENCE, PORTOLA VALLEY**

Custom deconstructionist sculptural home with curtain glazing built into the hills  
 3D modeling during Design Development + Construction Documents  
 Selected by client to work one-on-one on interior design  
 Materials selection, detailing, elevations, and photo-realistic renderings  
 Main level floor plan redlines created in Revit from remote client meeting  
 Elevations + rendering also created in Revit

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