

ISD.

Ian Spangler Design

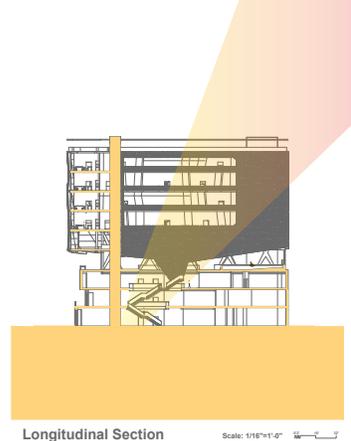
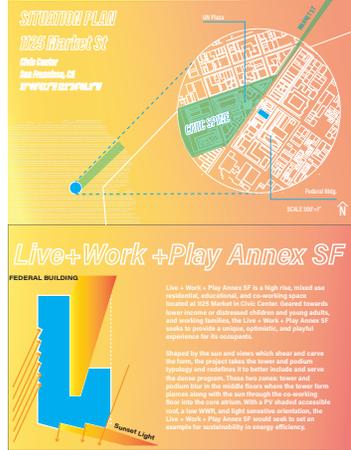
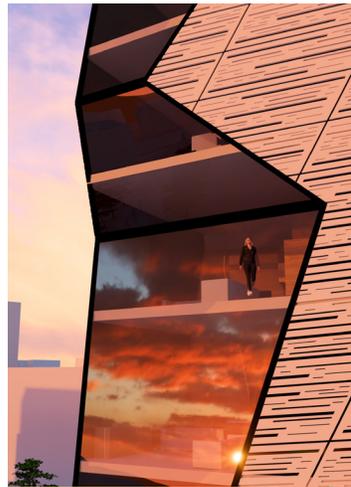
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Cal Poly Architecture



2025-26 Design Portfolio

- Cyborg Redwood
- SF Live+Work+Play Annex
- SLOPAC
- ESCA
- Lattice Wave Residences
- Assorted Work

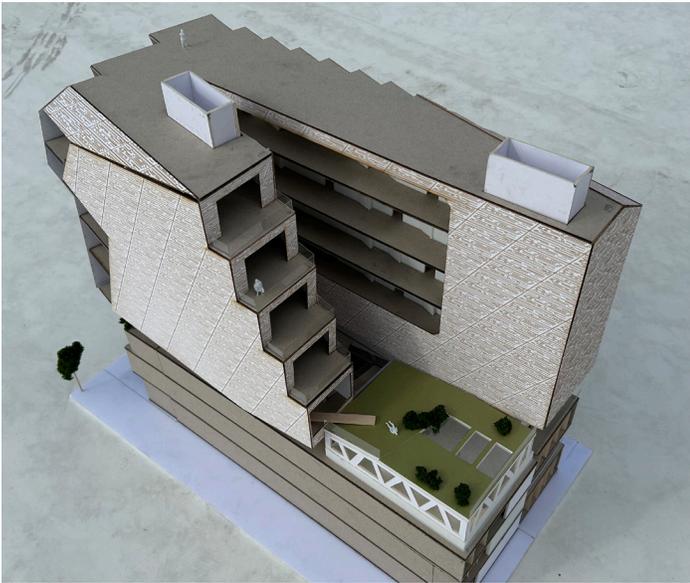


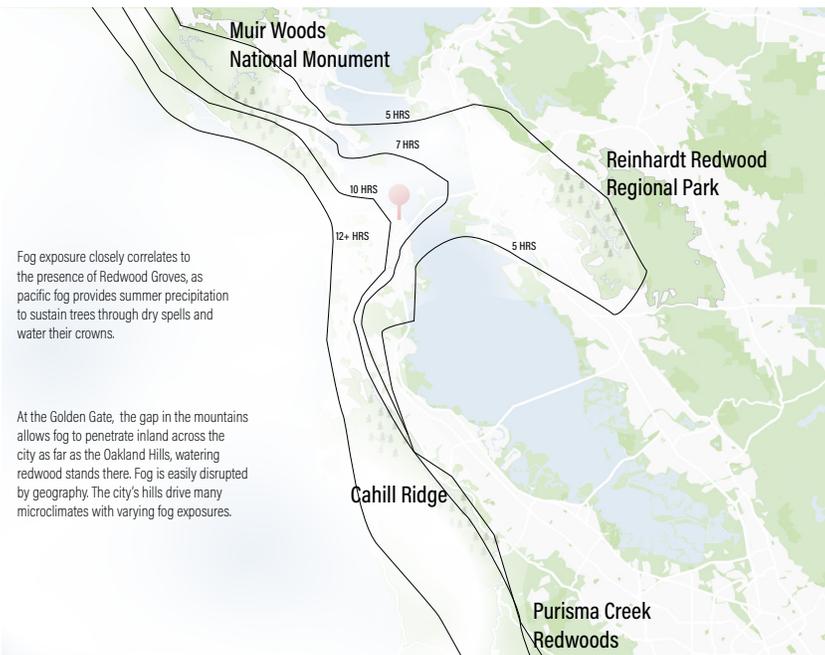
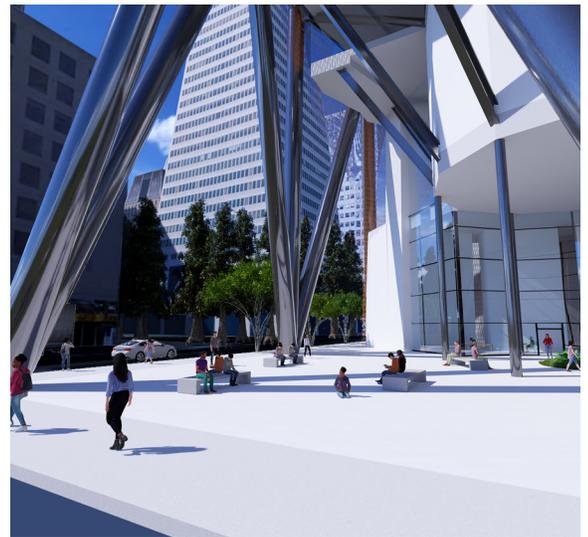
Live + Work + Play Annex SF is a high rise, mixed use residential, educational, and co-working space located at 1125 Market in Civic Center. Geared towards lower income or distressed children and young adults, and working families, the Live + Work + Play Annex SF seeks to provide a unique, optimistic, and playful experience for its occupants.

Shaped by the sun and views which shear and carve the form, the project takes the tower and podium typology and redefines it to better include and serve the dense program. These two zones: tower and podium blur in the middle floors where the tower form pierces along with the sun through the co-working floor into the core atrium. With a PV shaded accessible roof, a low WWR, and light sensitive orientation, the Live + Work + Play Annex SF would seek to set an example for sustainability in energy efficiency.



Flythrough Video: <https://youtu.be/8E0fojq180c>

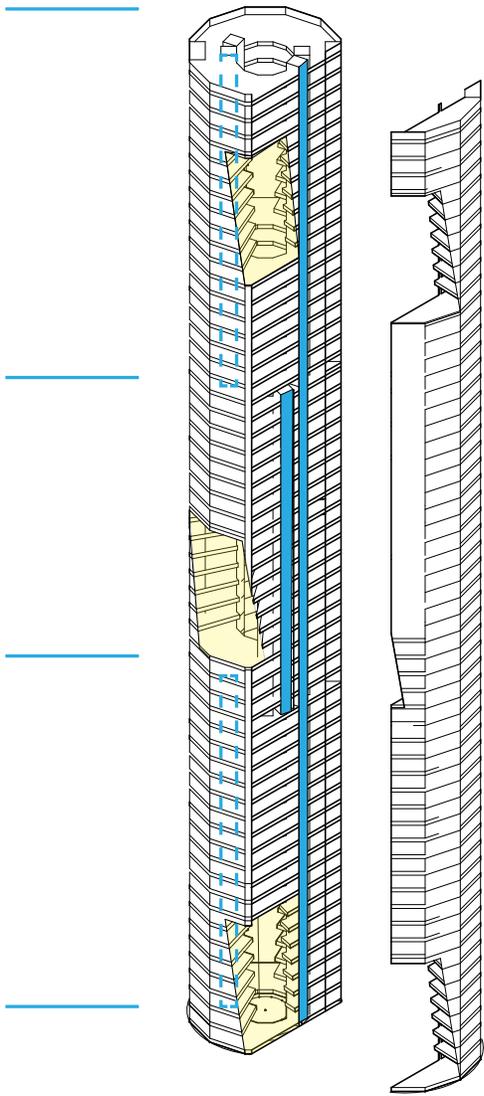




CYBORG REDWOOD

Inspired by the towering redwoods around San Francisco, this hotel reimagines vertical living as a hybrid ecosystem where nature and technology coexist like a cyborg - a living machine.

Community spaces grow like nodes along the tower, fostering connection, culture, and care within a living architectural system.

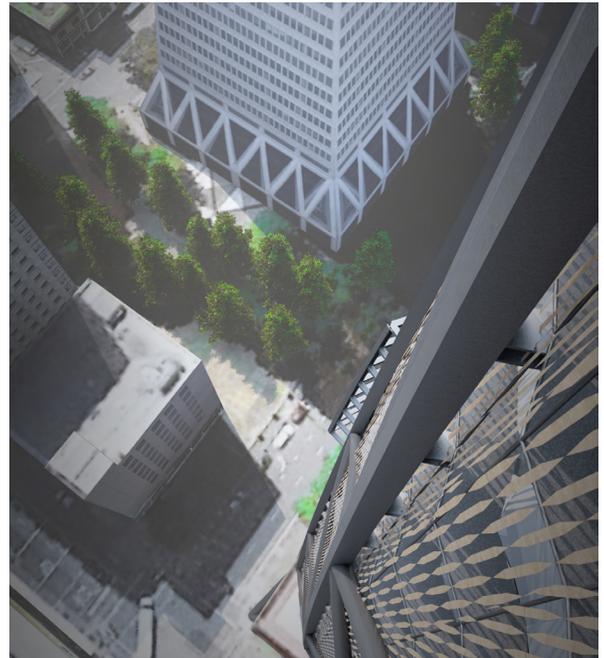


Core is split into 3 zones within the tower

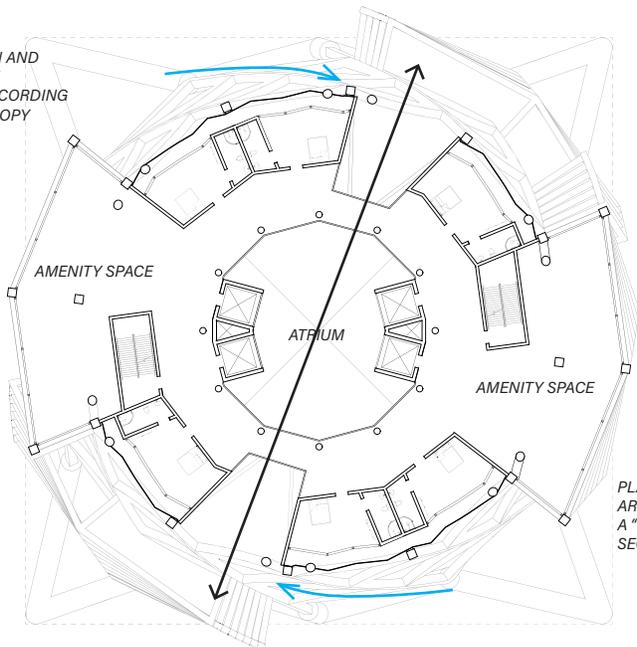
Each zone contains a multistory vertical community space

These community spaces pass through the entire tower

Scale: 1"=50'

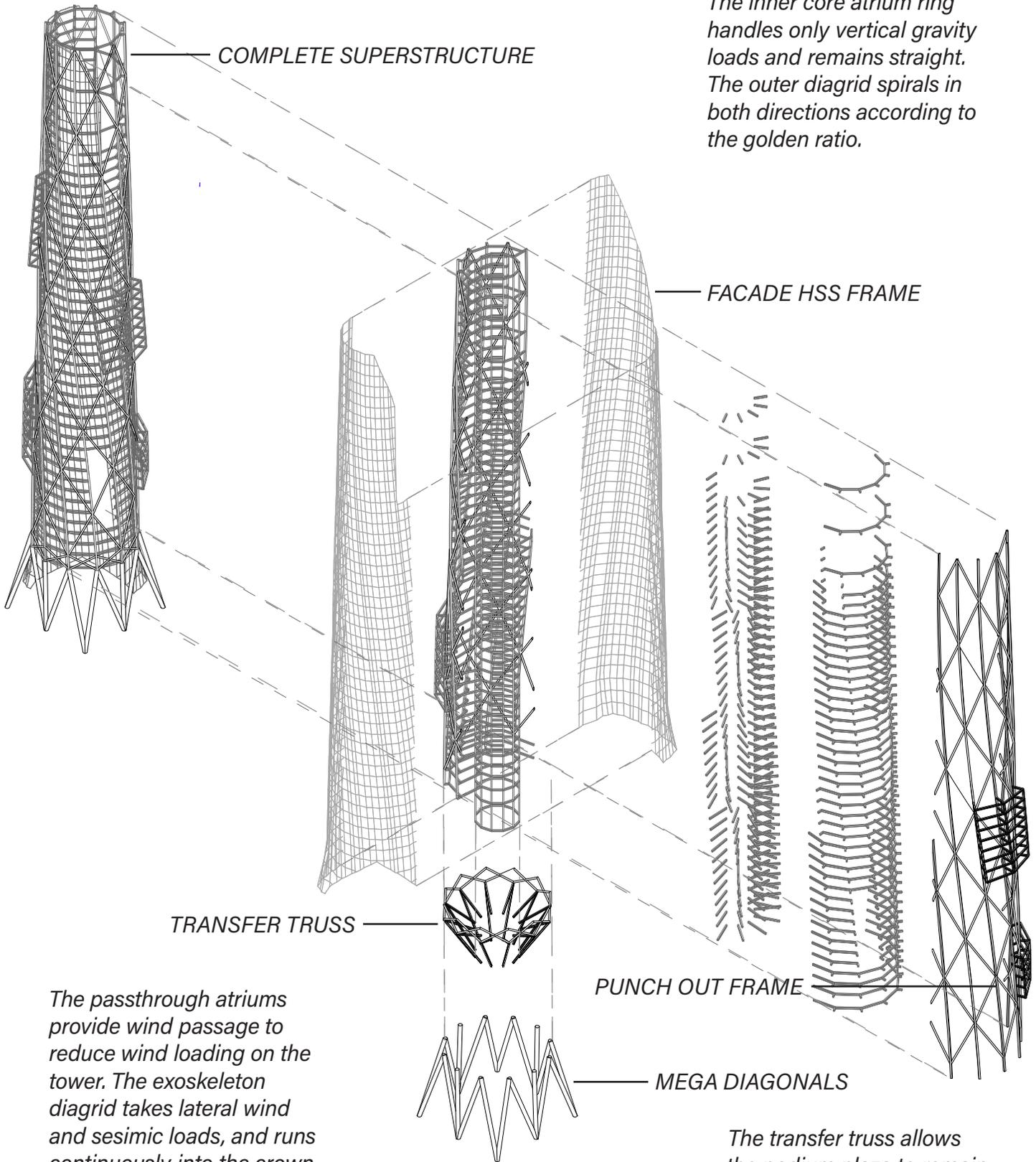


FLOORPLAN AND STRUCTURE SPIRALS ACCORDING TO HELIOTROPY



PLAN IS ARRANGED AS A "TREE RING SECTION"

The structure is organized into inner and outer rings, The inner core atrium ring handles only vertical gravity loads and remains straight. The outer diagrid spirals in both directions according to the golden ratio.



COMPLETE SUPERSTRUCTURE

FACADE HSS FRAME

TRANSFER TRUSS

PUNCH OUT FRAME

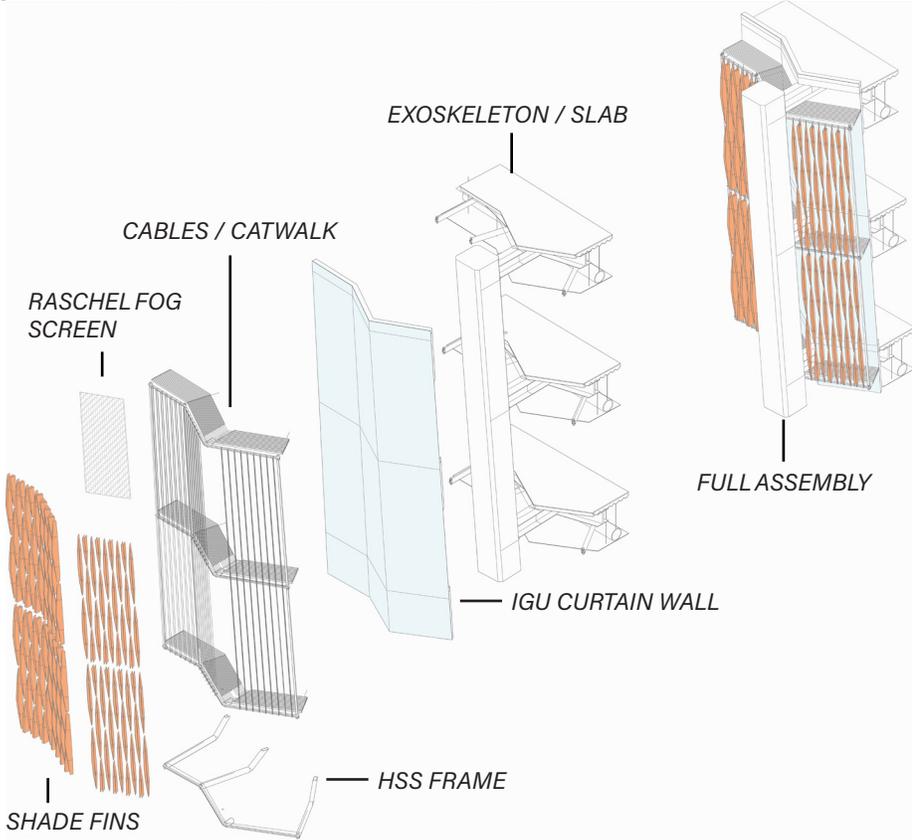
MEGA DIAGONALS

The passthrough atriums provide wind passage to reduce wind loading on the tower. The exoskeleton diagrid takes lateral wind and seismic loads, and runs continuously into the crown from the mega diagonal podium frame.

The transfer truss allows the podium plaza to remain as open and monumental as possible.



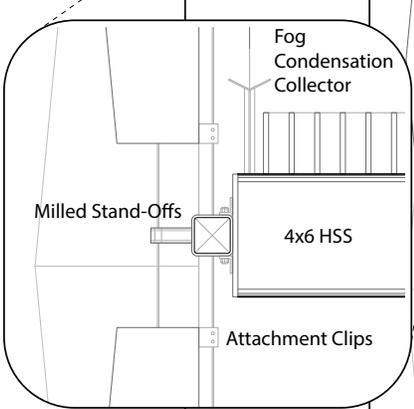
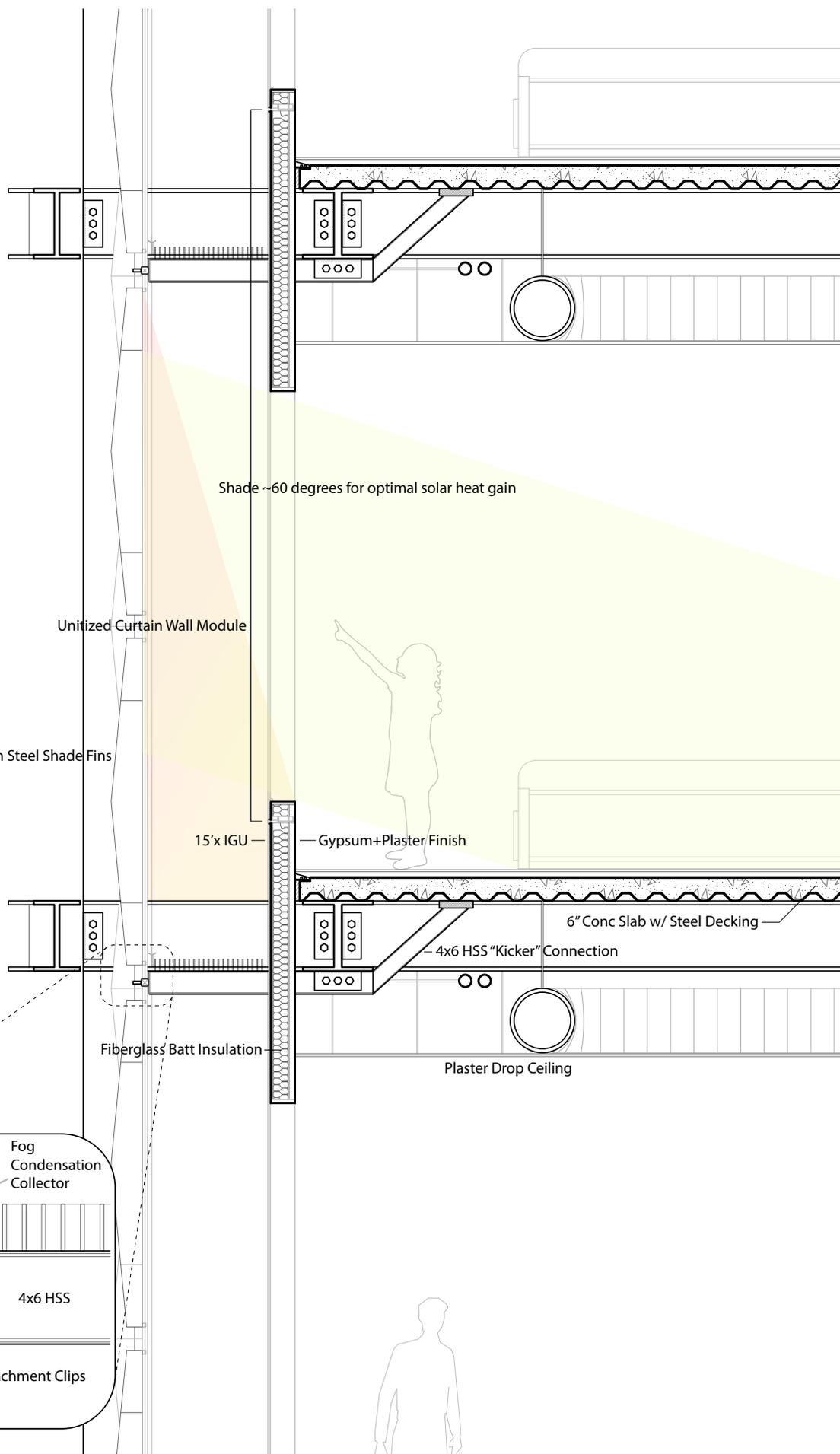
The shade panels comprising the bark screen polarizes the view and shades from low angle sunlight, creating a dynamically changing and semi-enclosed view.



The facade system is composed of a double skin arrangement, with an outer cable-mounted shade screen, and an inner IGU curtain wall.

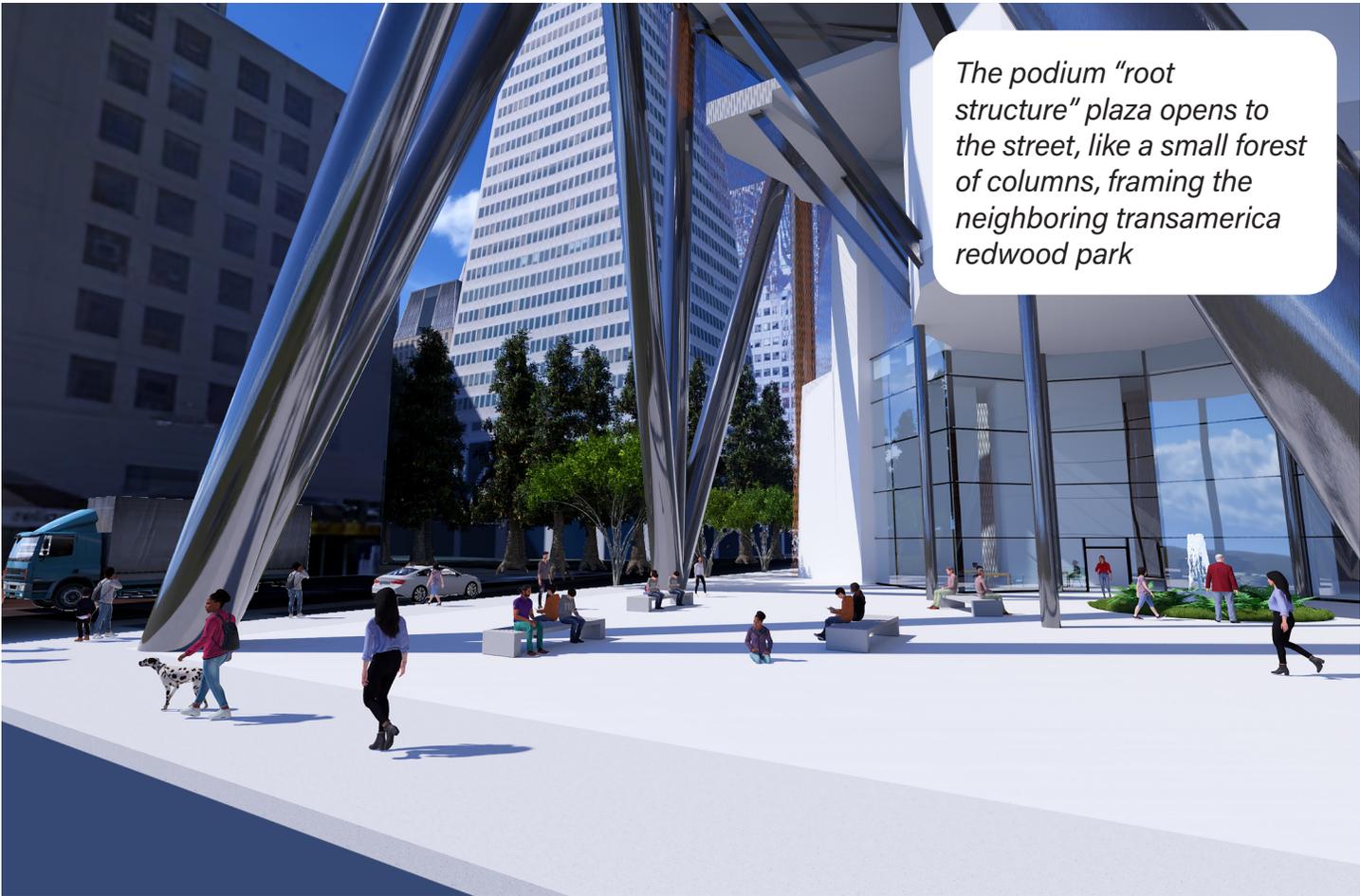
Cables with hexagonal shade fins mount to a projecting HSS frame with a service catwalk shade.

Cables are allowed to flex in wind and seismic events, while the fins create a corten "bark screen" for horizontal shading. In the crown, the fins are backed by a raschel weave fog collection net, mirroring redwood canopies.

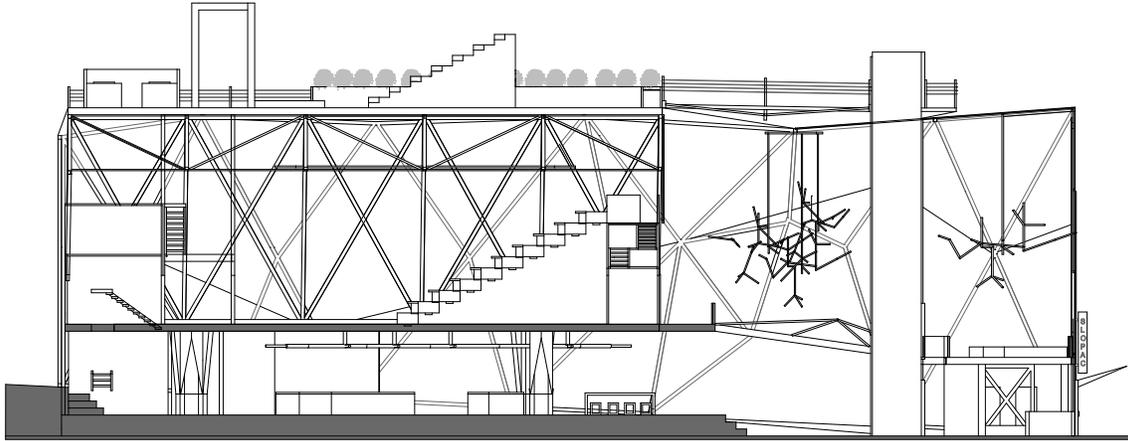
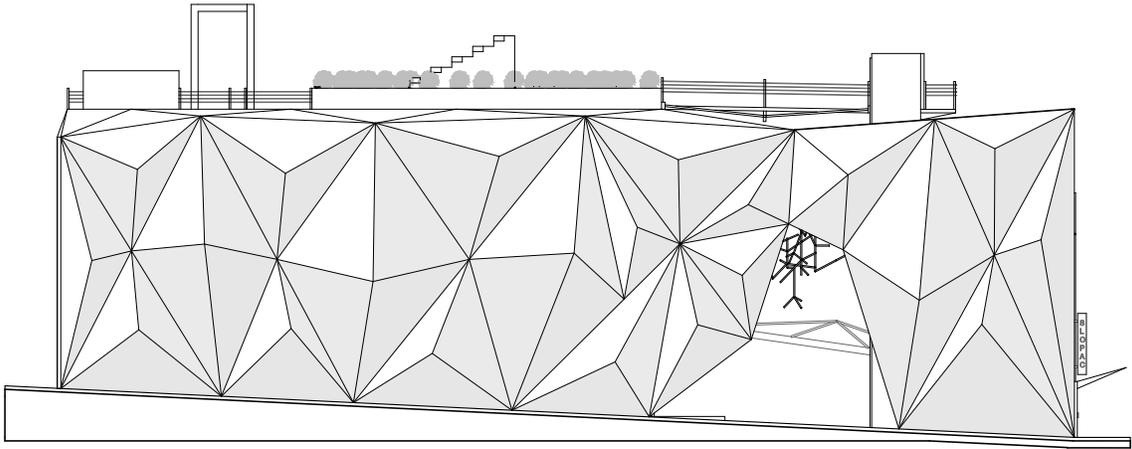




Structural columns branch and converge into the podium lobby and plaza. The inner transfer truss encloses a black box theater, suspended in air.



The podium "root structure" plaza opens to the street, like a small forest of columns, framing the neighboring transamerica redwood park



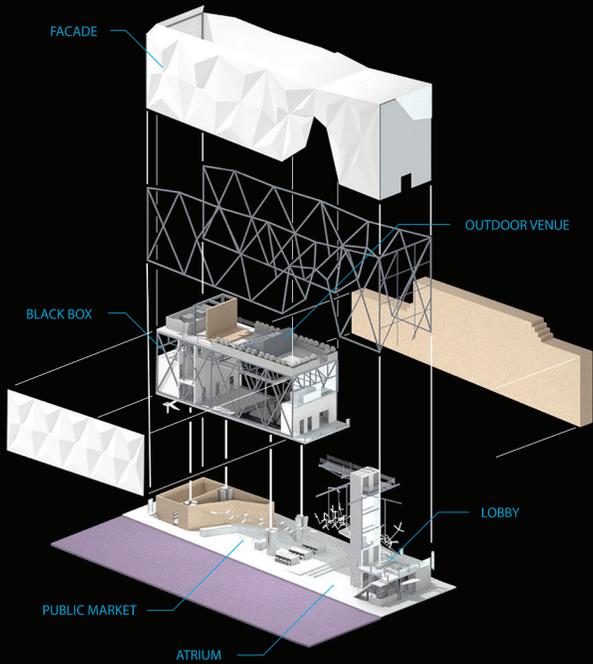
ARCH 251 MORRO ST ELEVATION + SECTION

SCALE 1/8"=1'-0"
Ian Spangler, Studio Cassil Fall 2023

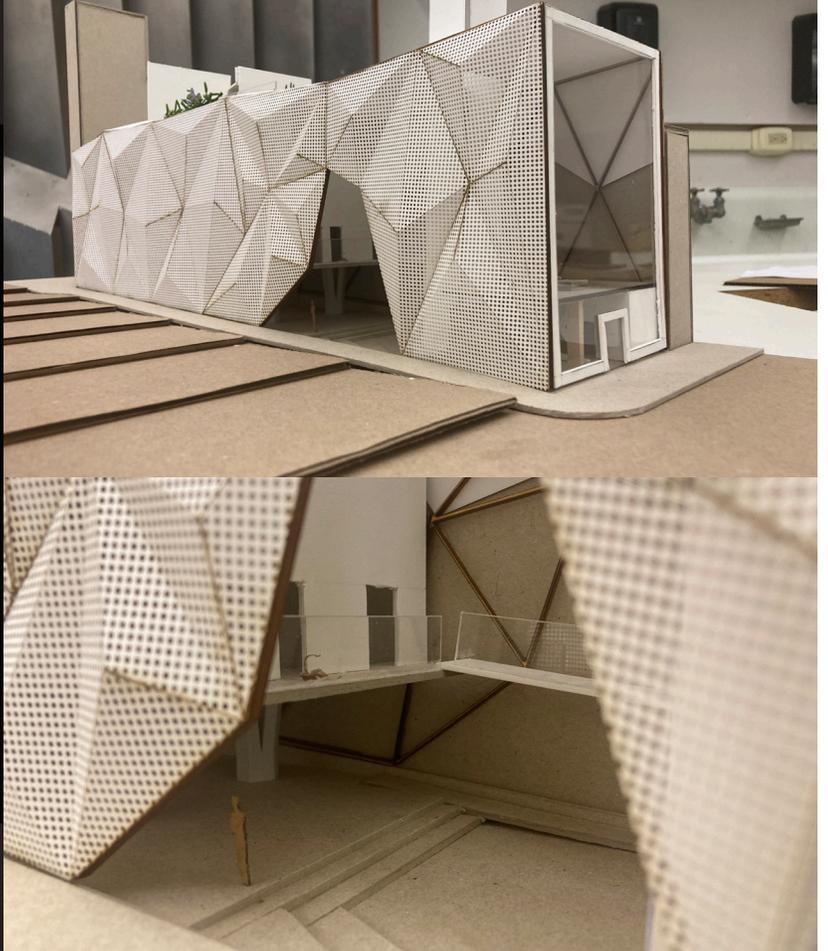
SLOPAC

EXPLODED VIEW

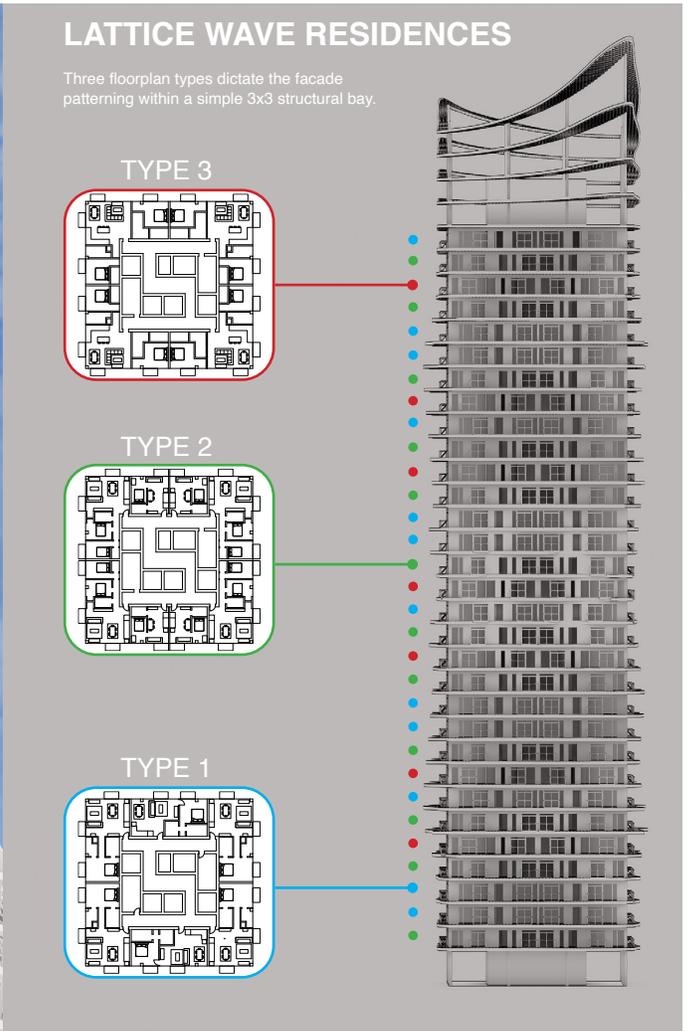
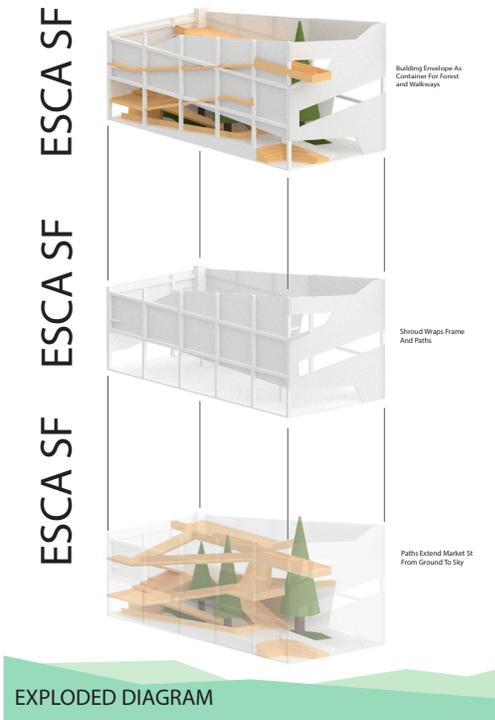
ARCH 251
STUDIO CASSIL
2023



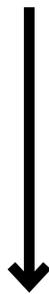
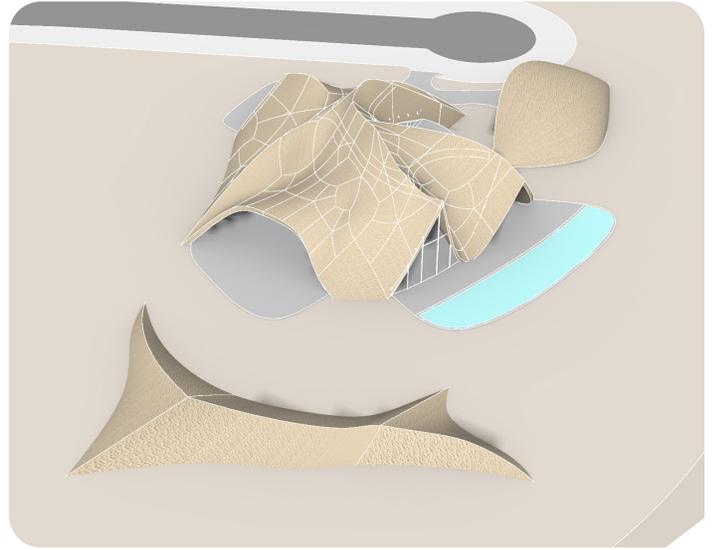
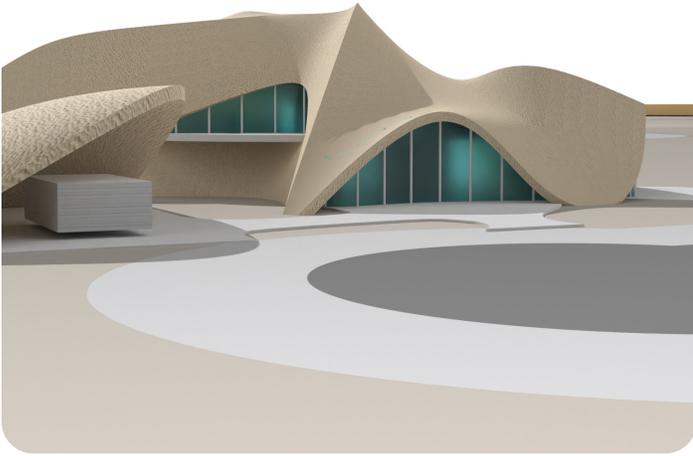
3 LEVELS - MULTIPURPOSE - VISUALLY STRIKING
San Luis Obispo's Groundbreaking Showcase of Local Art+Culture+Cuisine



ASSORTED WORKS



ASSORTED WORKS



RHINO

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MIDJOURNEY



HYBRID RENDERING/ CONCEPT IDEATION

SKETCH

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