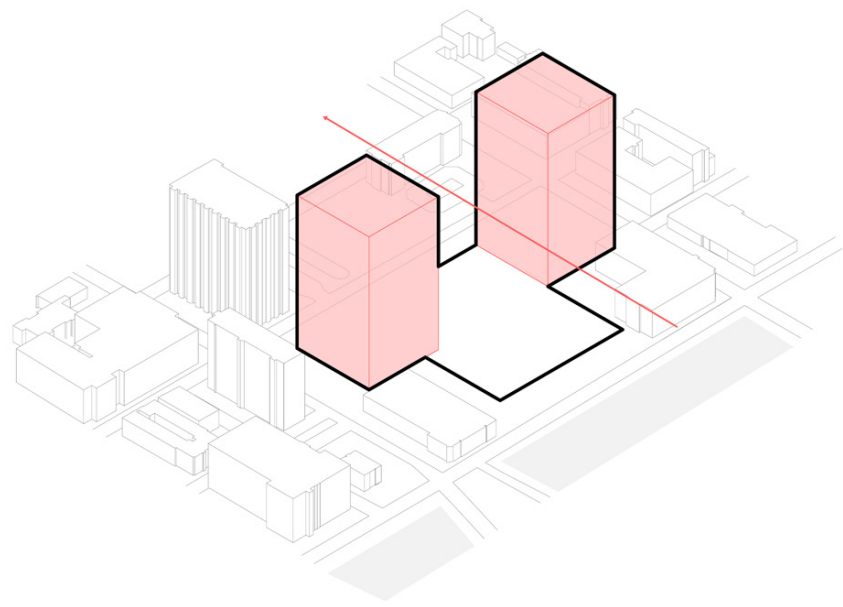


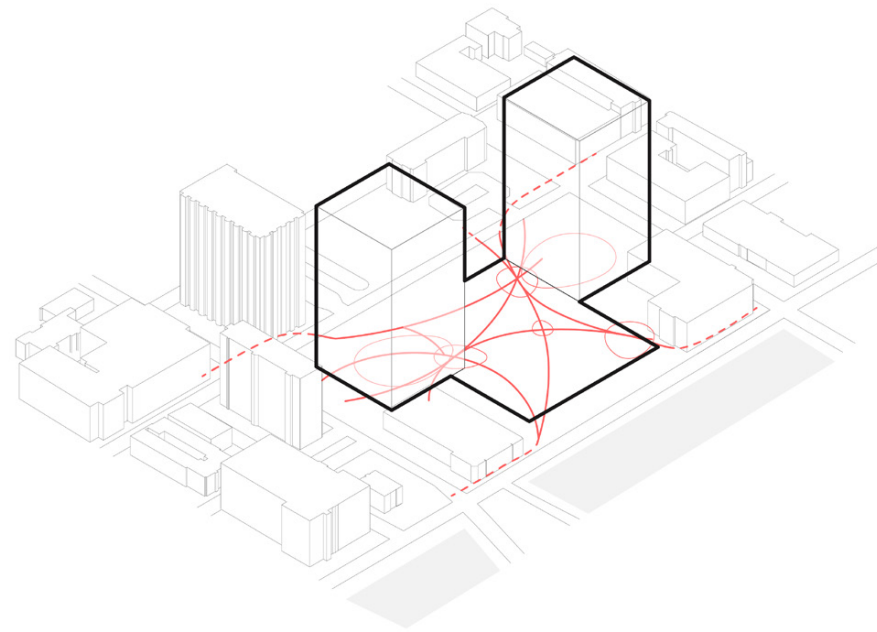
SEMIPERMEABLE MEMBRANE

Semipermeable Membrane serves community-oriented housing and retail needs while also acknowledging site culture in the Macarthur Park area, all by maintaining a formal and spatial flow through a coherent "membrane" into the towers, with frequent permeations, orienting the building to its surroundings.



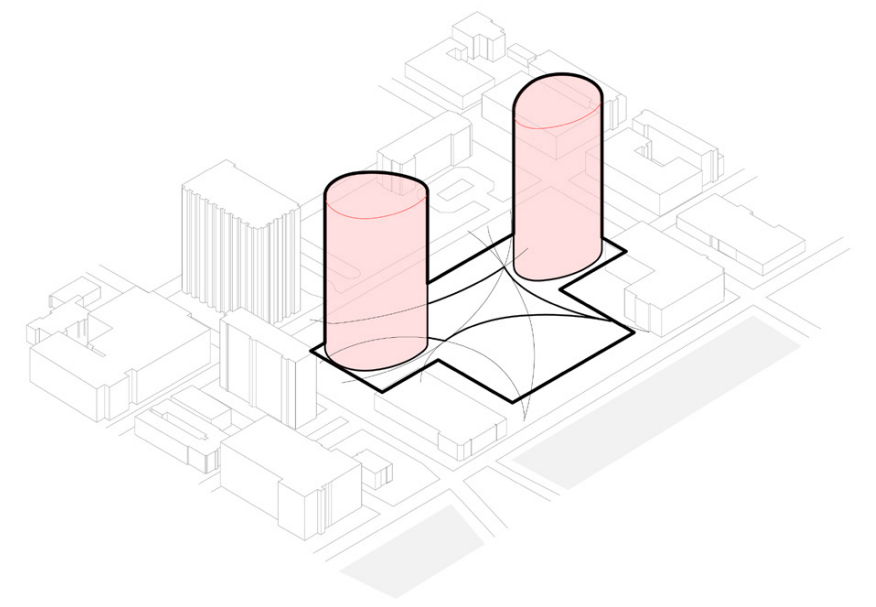
1. TWO TOWERS

Apportion housing area, maintain view through site



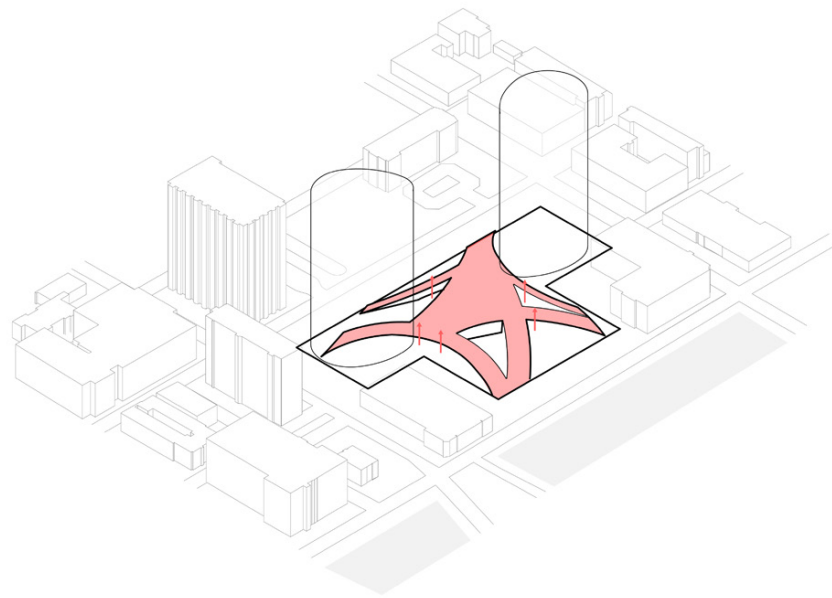
2. CIRCULATORY MEMBRANE

Determine main flow paths through site, merge organic flows into membrane



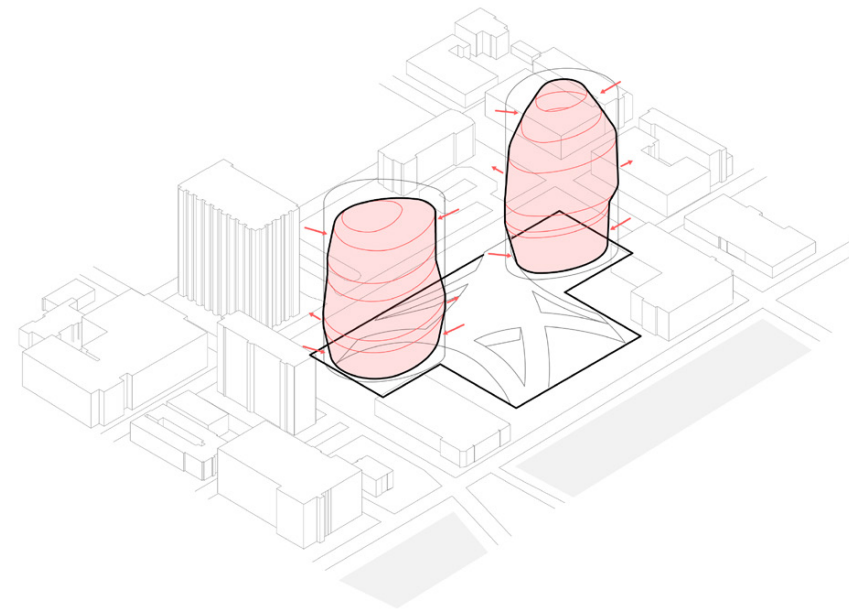
3. REACTIVE PLAN

A roughly circular tower massing that responds to the flow of the site and creates a more egalitarian plan in terms of access and views



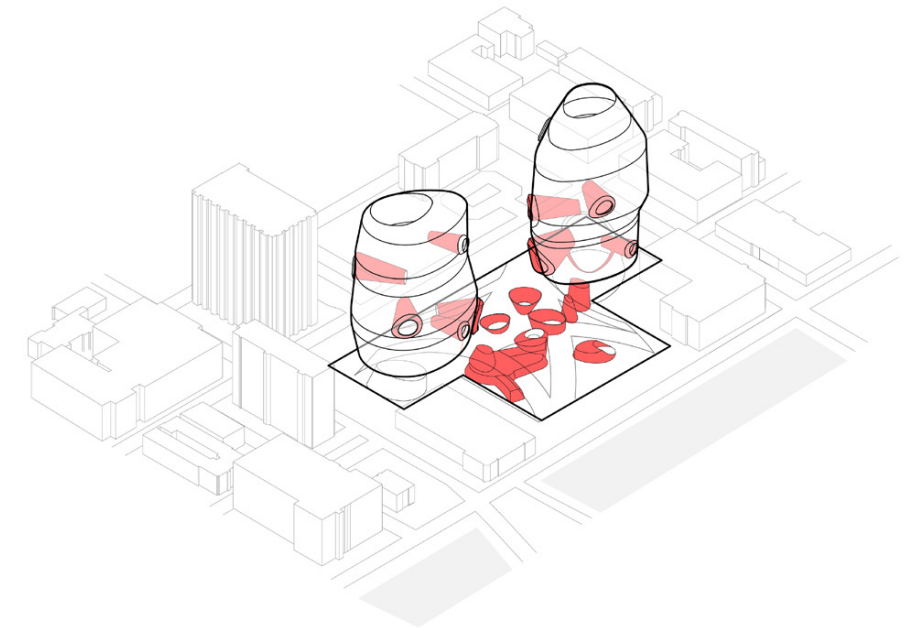
4. ELEVATE MEMBRANE

Lift ground to create canopy for the necessary retail and public spaces associated with a housing project, and allow for a walkable plaza that encourages flow of the membrane into the towers



5. EXPAND + CONTRACT

Vary form based on housing demands, give amorphous quality to towers

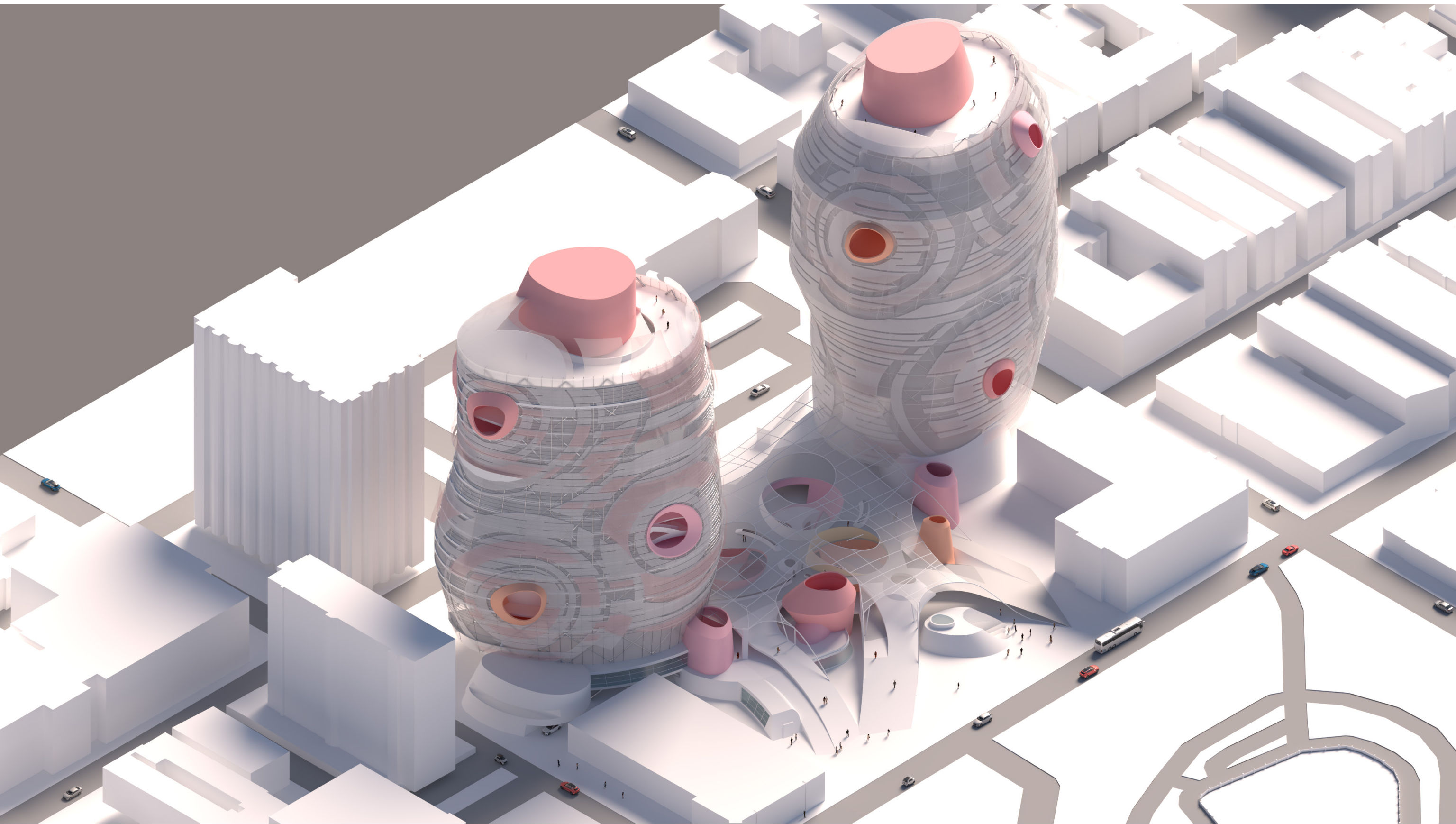


6. PERMEATE

Conical punctures through the shell connect the towers to their urban surroundings and provide shareable experiential spaces throughout the project, while also bringing light into the ground membrane

CONSOLIDATED STRUCTURE

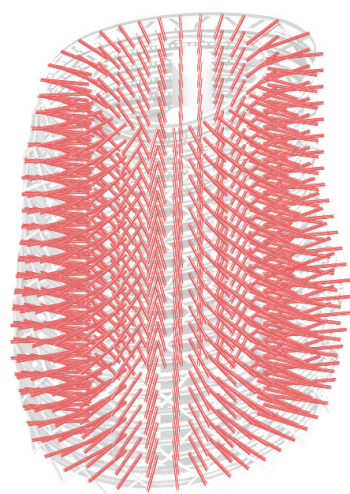
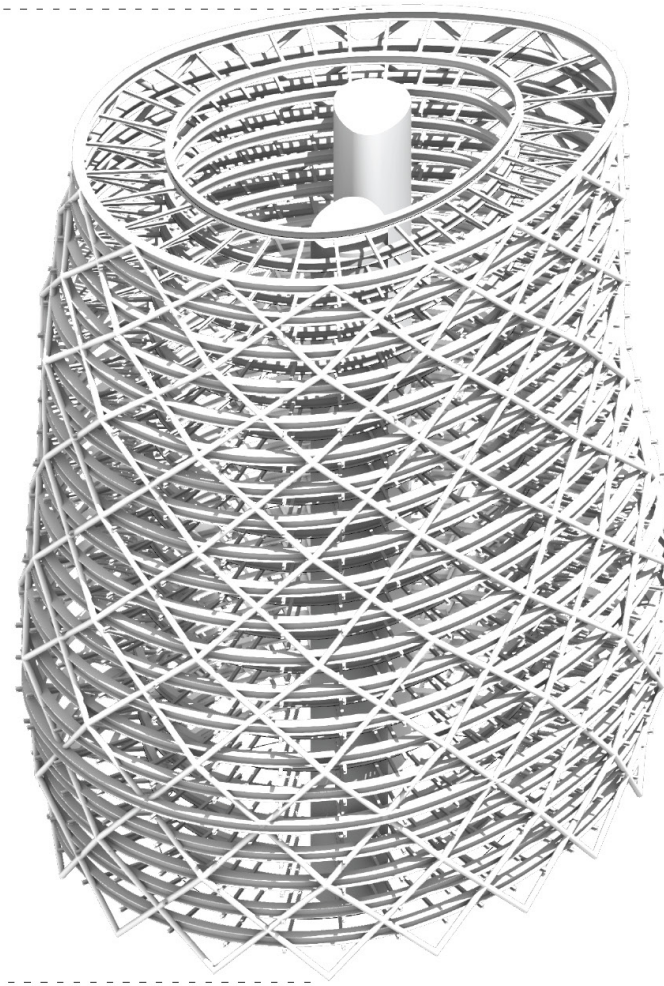
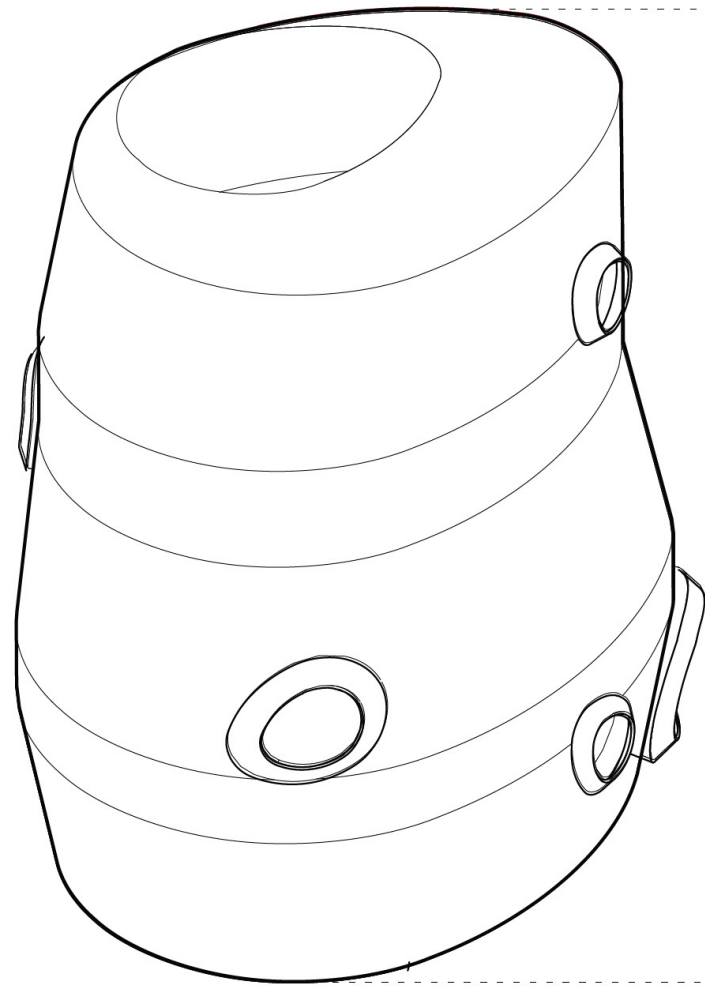
To create a more open interior space that better receives site flow, a column grid is avoided by use of a diagrid shell around the exterior of the building, which ties back to thick cores in the center



MEMBRANOUS FORMS

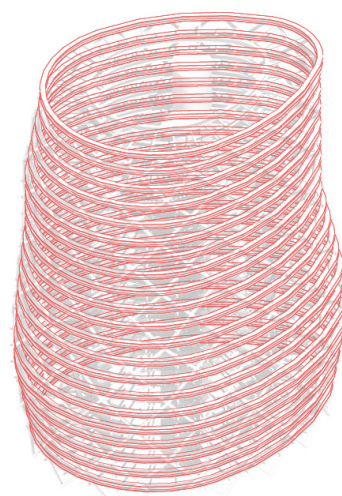
Conceived through a consciousness to site circulation, the membrane provides a layer of illegibility to the allocation of housing types, while acknowledging the vending culture on the site through shape and use of vibrant colors





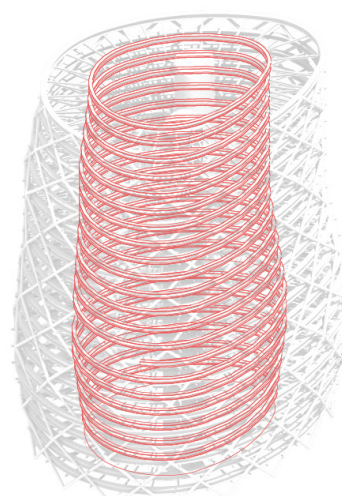
TERTIARY

Radially arrayed beams receive the floor loads



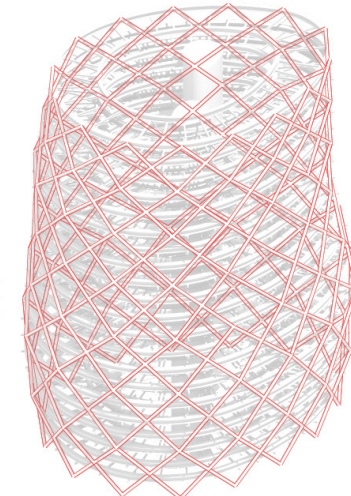
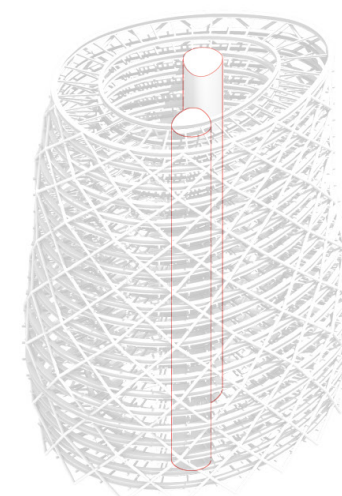
SECONDARY

Ring-shaped girders receive the beam gravity loads



PRIMARY

The ring girders tie to the diagrid shell and the tower cores

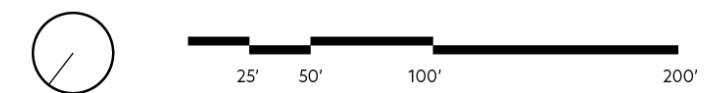


CONSOLIDATED STRUCTURE

To create a more open interior space that better receives site flow, a column grid is avoided by use of a diagrid shell around the exterior of the building, which ties back to thick cores in the center

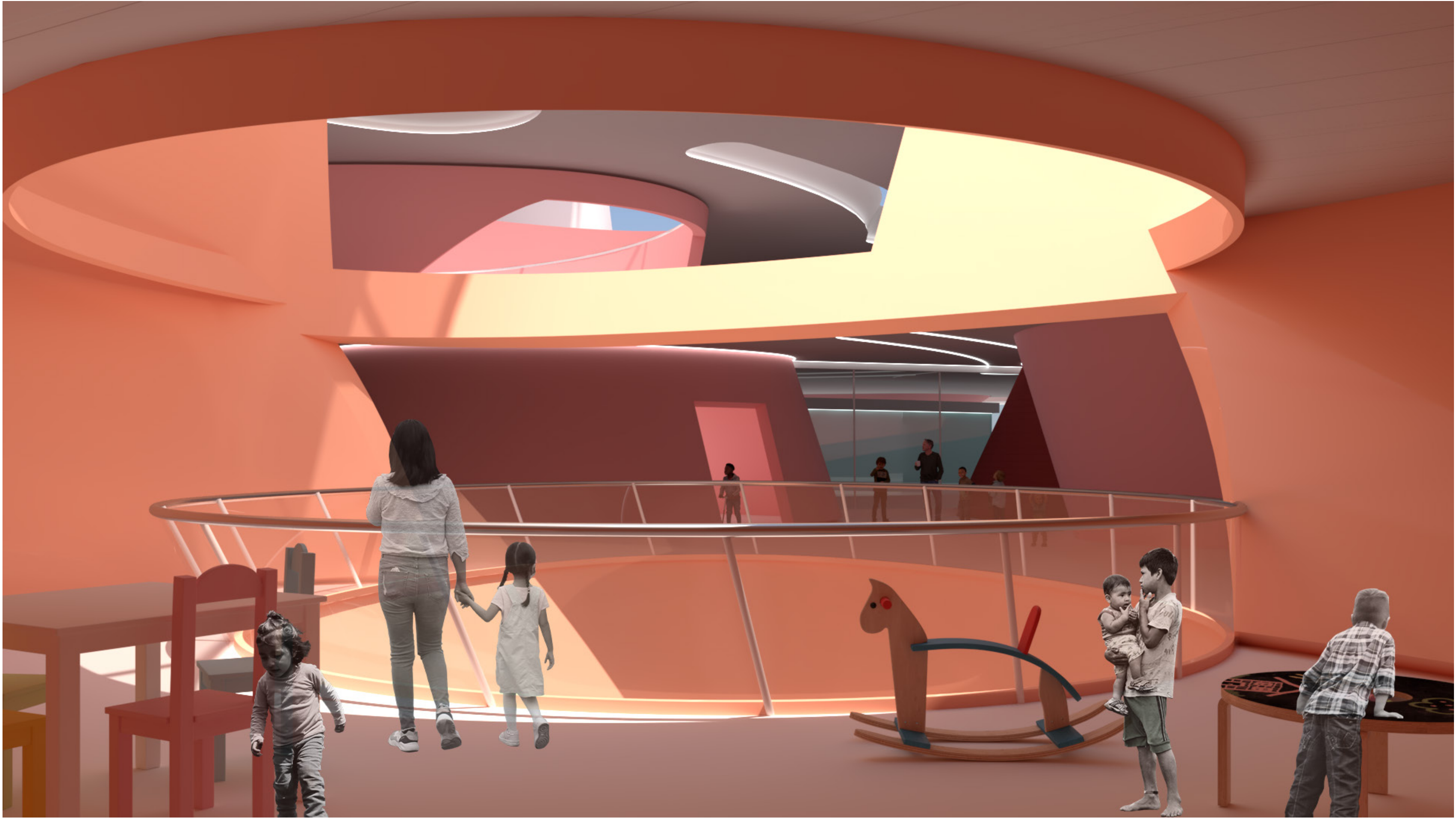


- 1. Daycare 3. Metro 5. Gallery 7. Cafe
- 2. Urgent Care 4. Grocery+Garden 6. Restaurant 8. Lobby



SITE PLAN

Past the ramps and below the vending plazas, the first floor houses necessary retail and communal amenities.

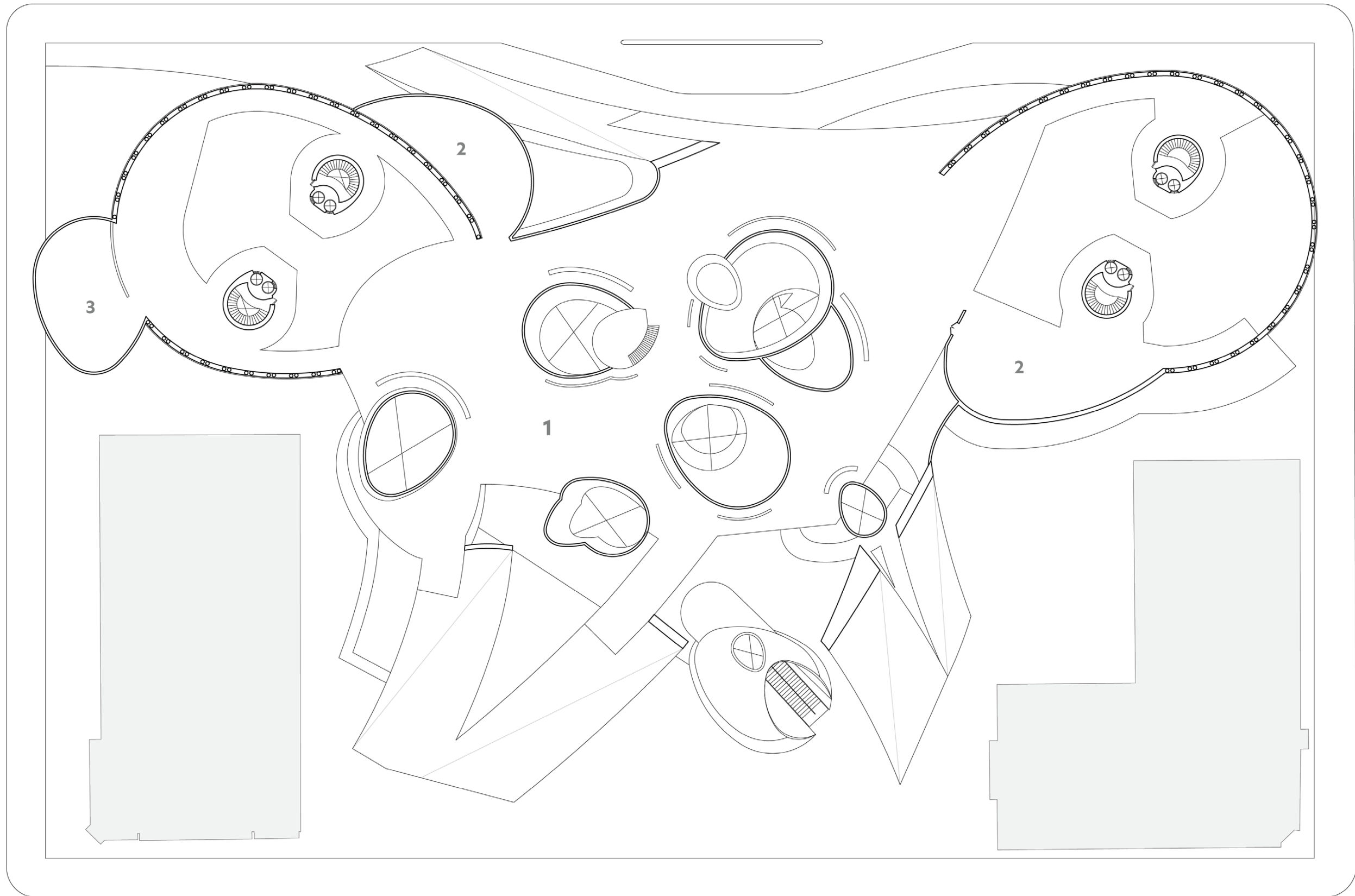


DAYCARE SPACE

S WESTLAKE AVE.

W 7TH ST.

WILSHIRE BLVD.



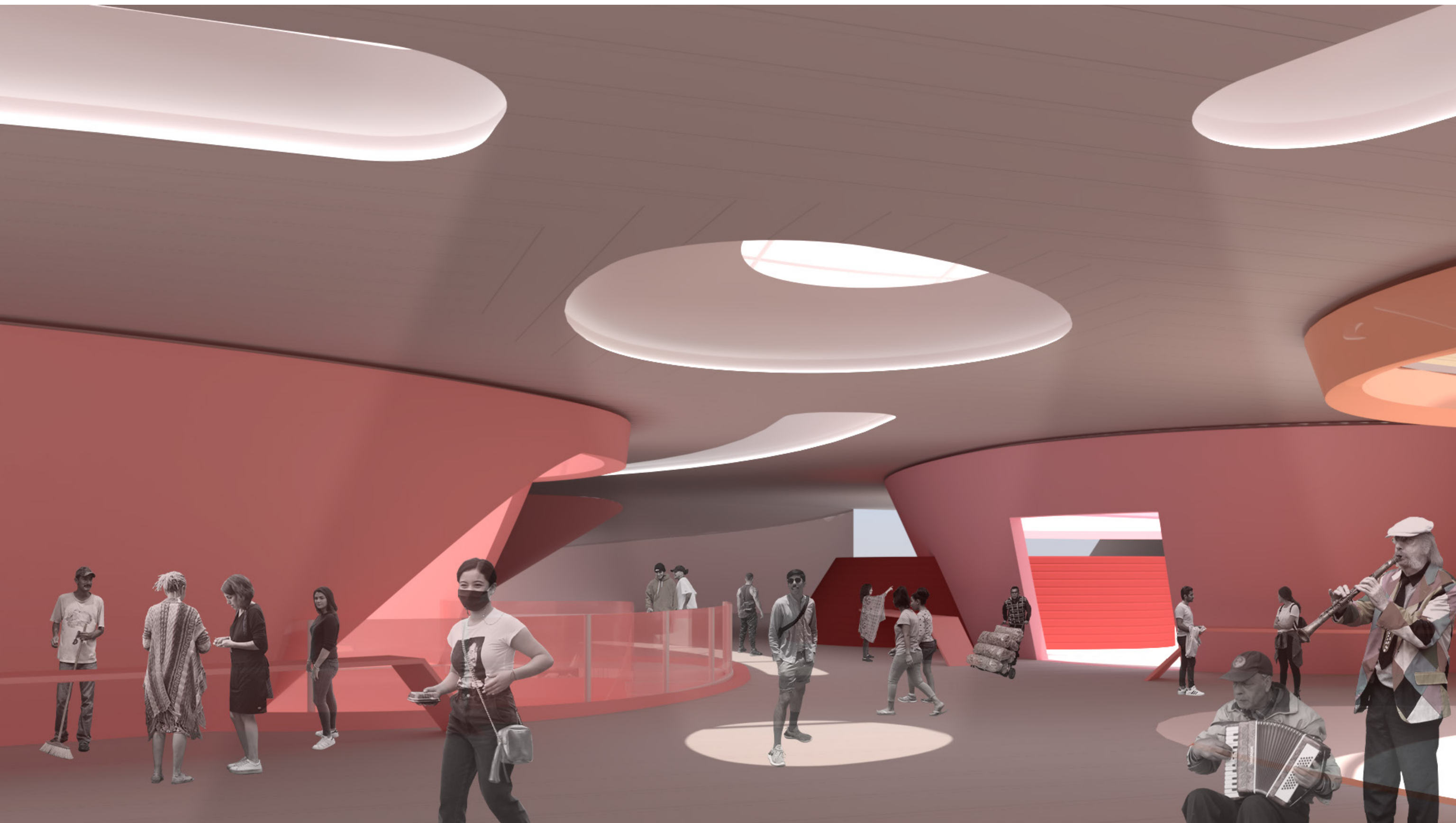
S ALVARADO ST.

- 1. Unprogrammed Space for Vendors
- 2. Fitness Center
- 3. Communal Space



SITE- LEVEL 02

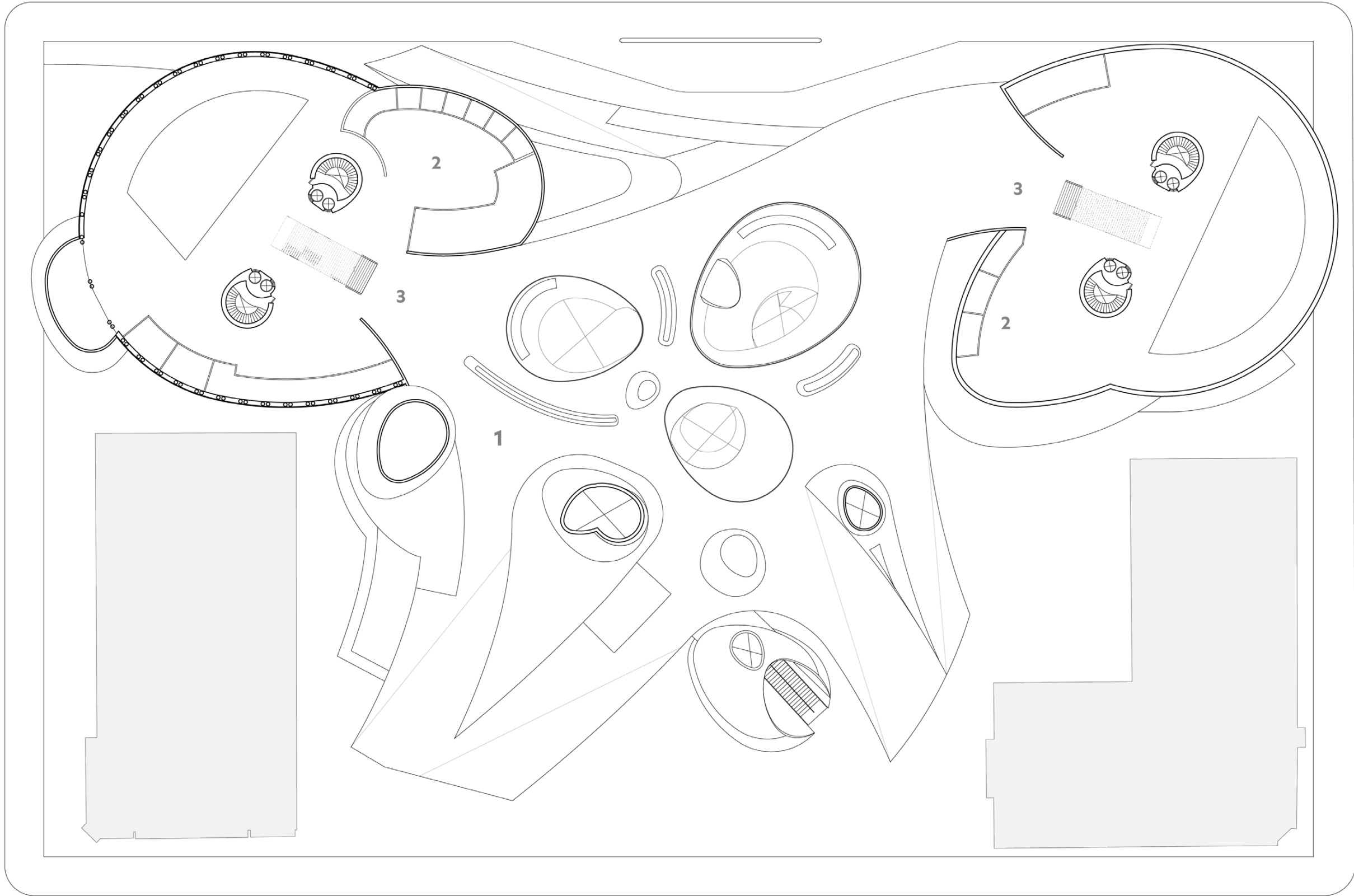
Along the membrane's path into the towers, the first floor is an intentionally unprogrammable space meant to accept the site's vending culture



VENDING/COMMUNAL SPACE

S WESTLAKE AVE.

W 7TH ST.



WILSHIRE BLVD.

S ALVARADO ST.

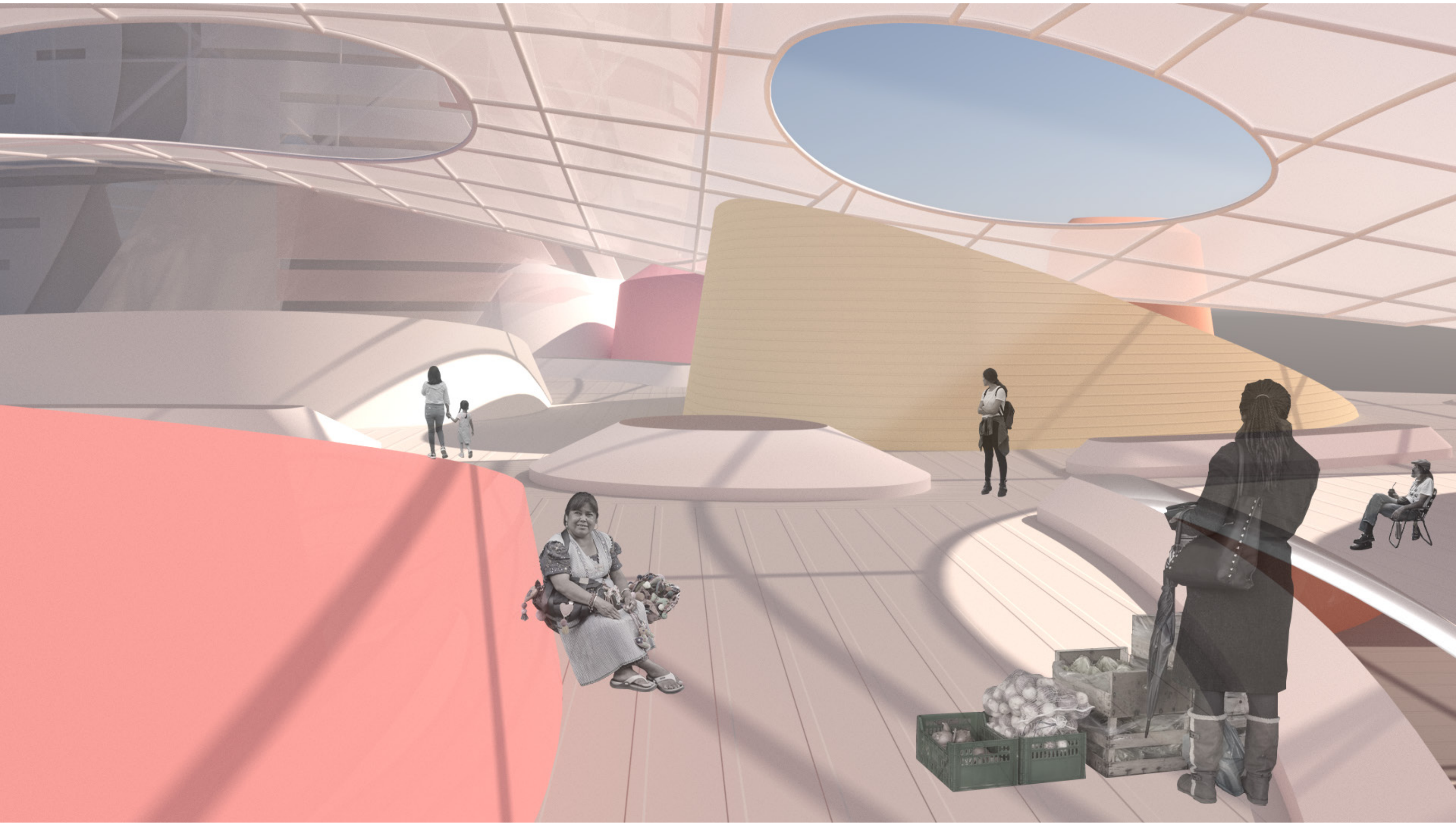
LEVEL 3- Raised Plaza

- 1. Plaza for Community
- 2. Shared Work Space
- 3. Entry Pore

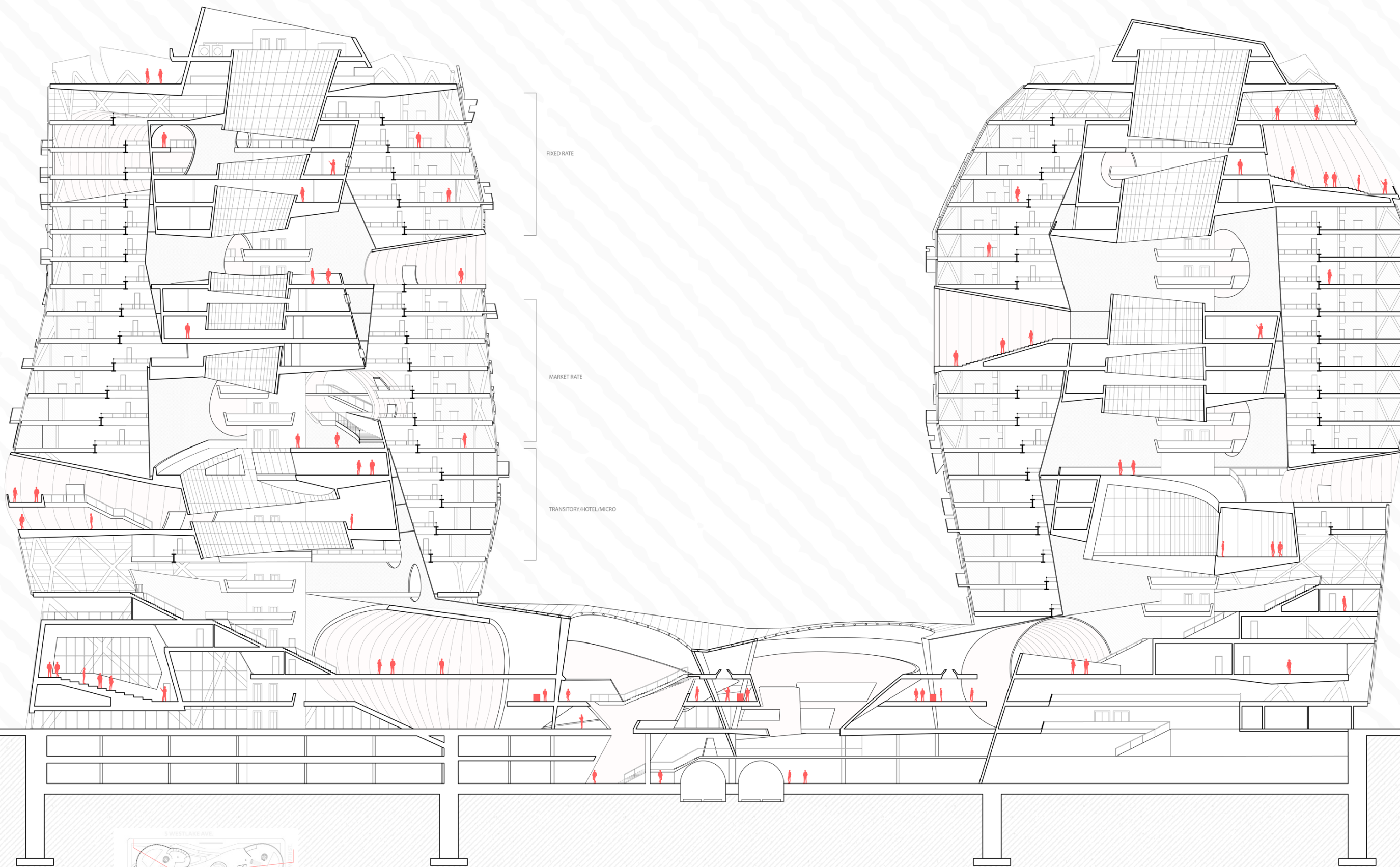


SITE- LEVEL 03

A plaza space, the raised surface covered by the transparent "membrane" serves the site and cultural needs by providing playful, open space, connected fluidly to both the towers and to the surrounding context

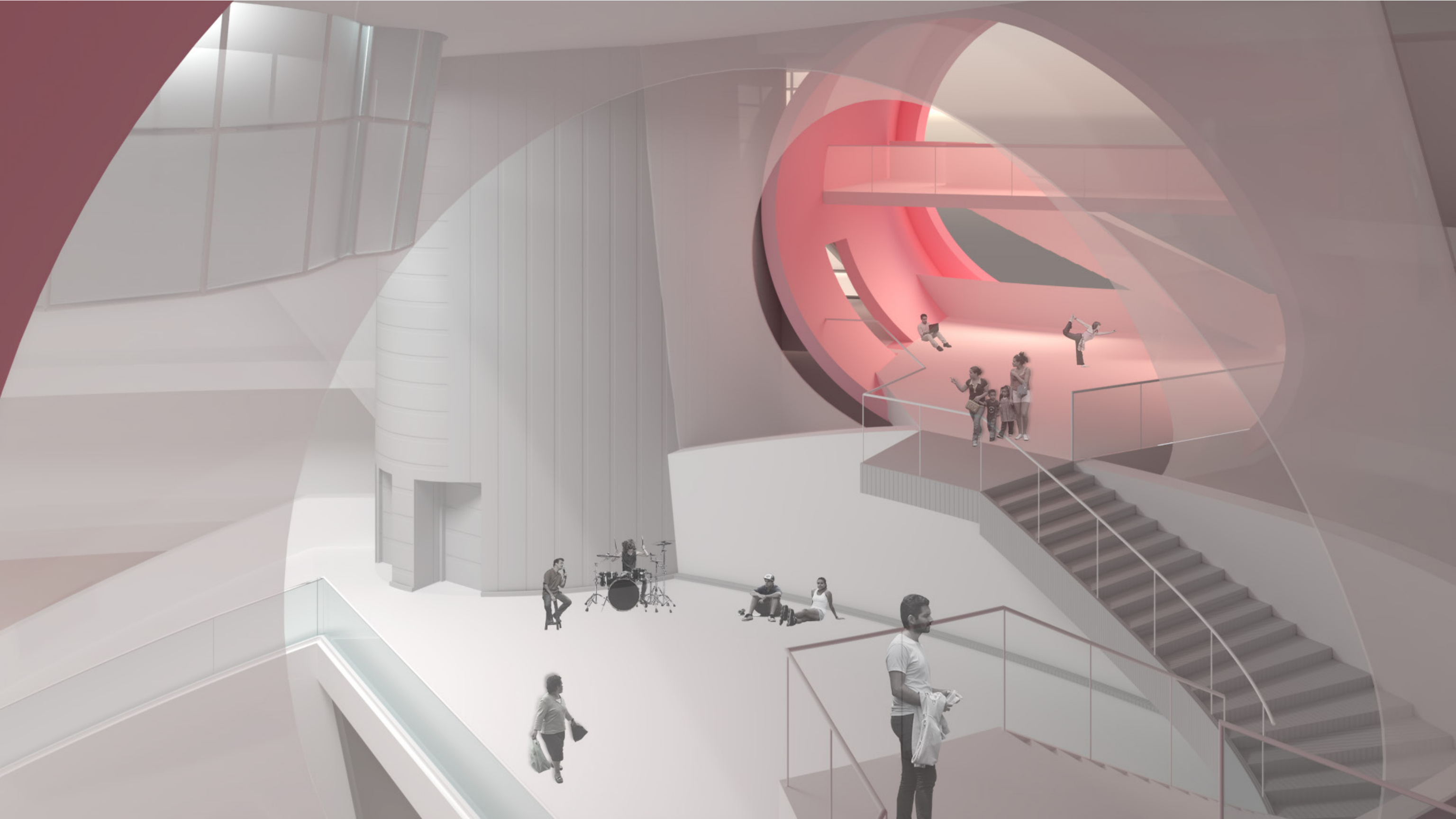


PLAZA CANOPIED SPACE



LONGITUDINAL

The nature of the more spatially active space can be seen in section as the communal membrane, which works its way up through the site and into the towers with a steady transition between horizontal and vertical, admitted and reoriented by recurring pores

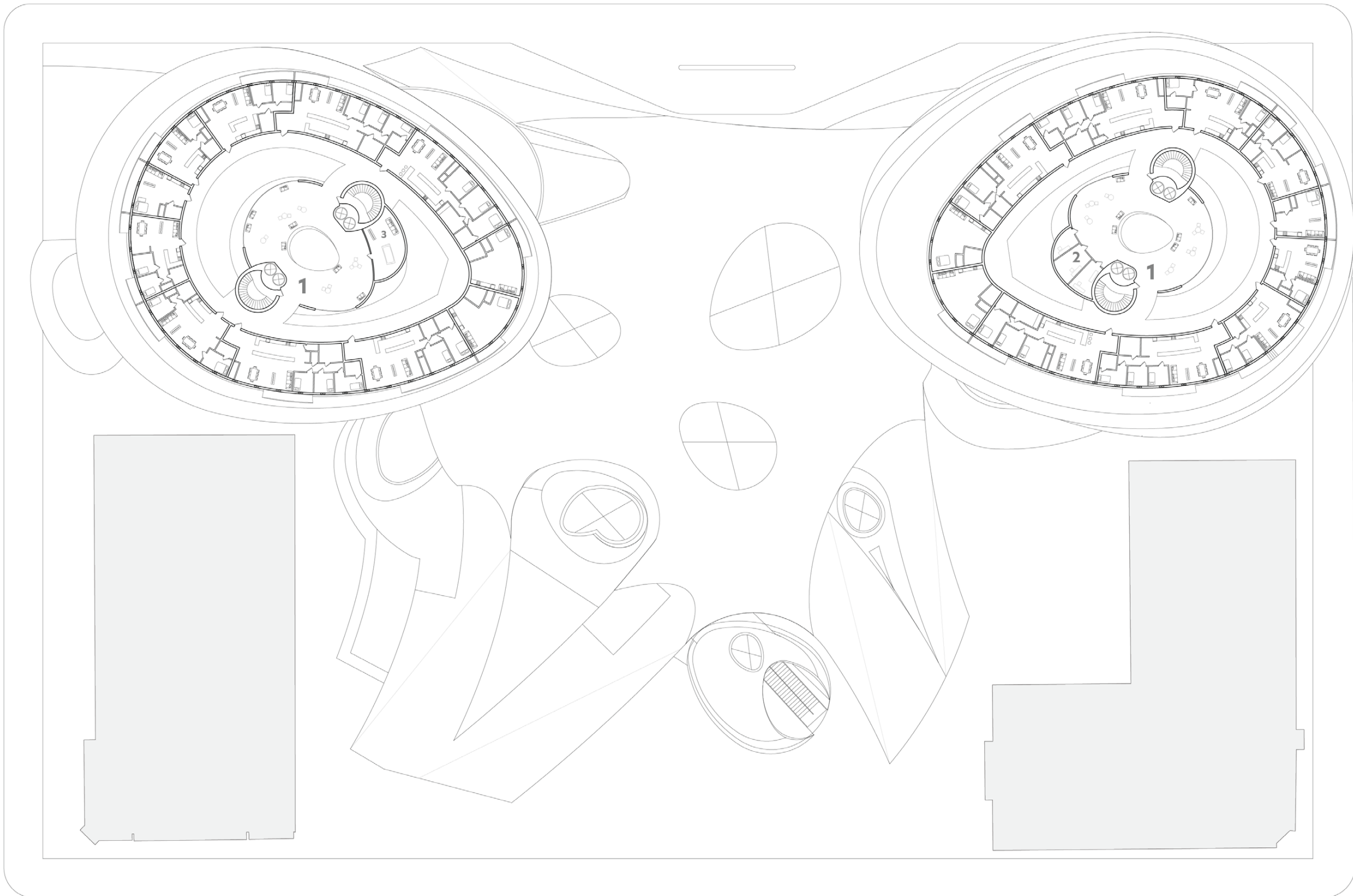


INSIDE THE MEMBRANE

S WESTLAKE AVE.

W 7TH ST.

WILSHIRE BLVD.



S ALVARADO ST.

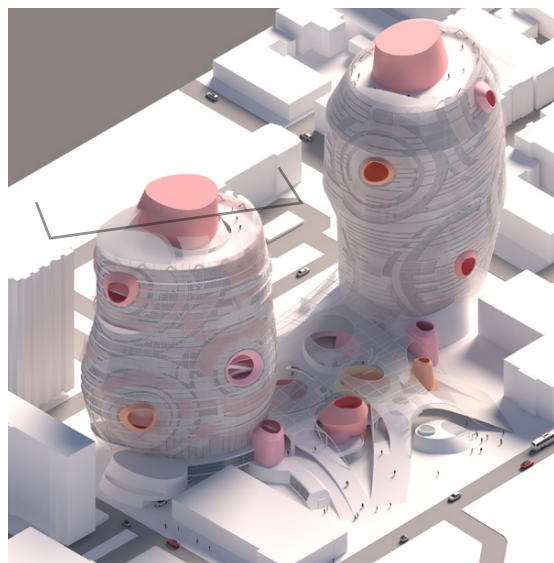
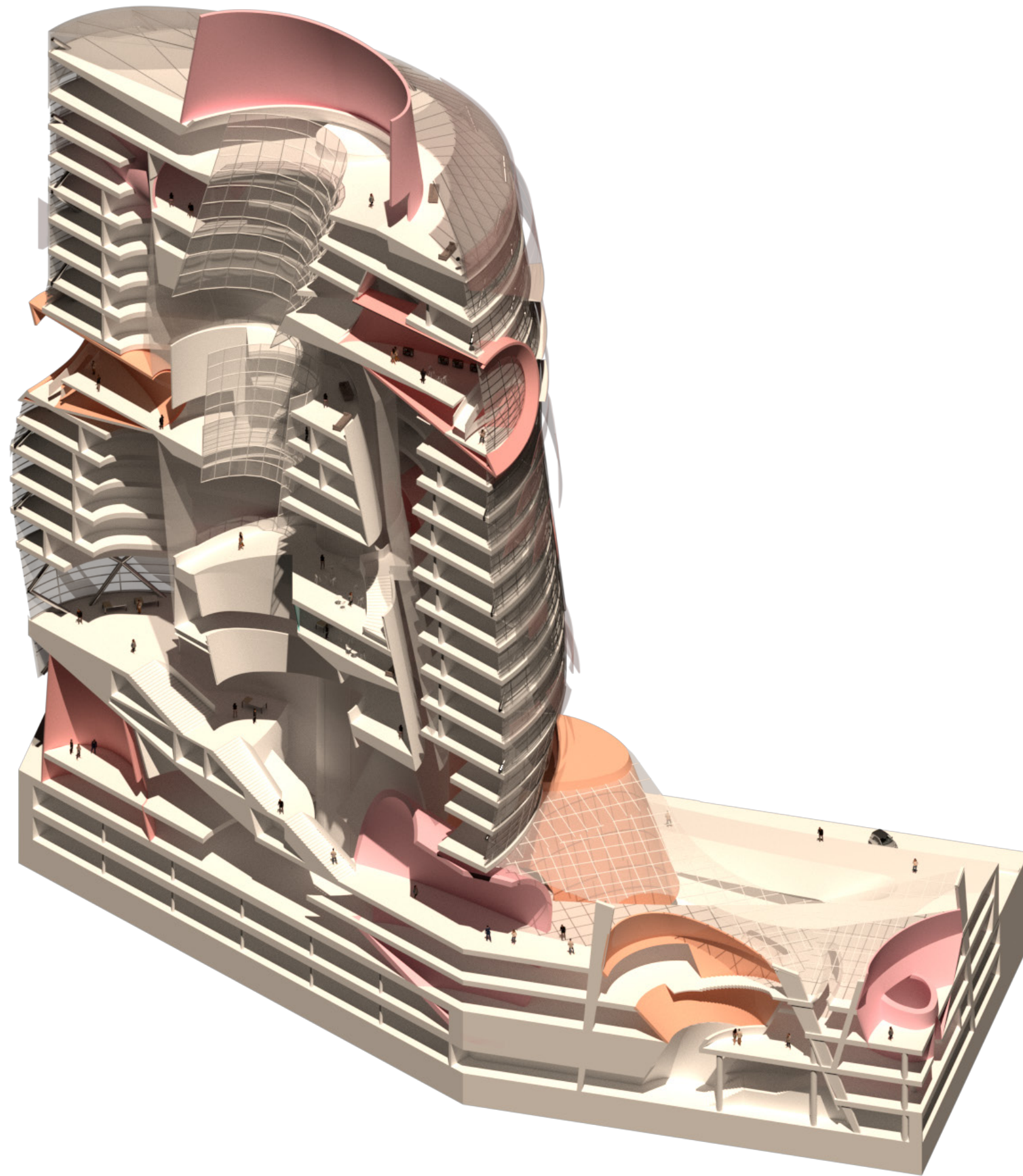
LEVEL 11- Housing [Market Rate]

- 1. Shared Communal Space
- 2. Recording Studio
- 3. Lounge Space



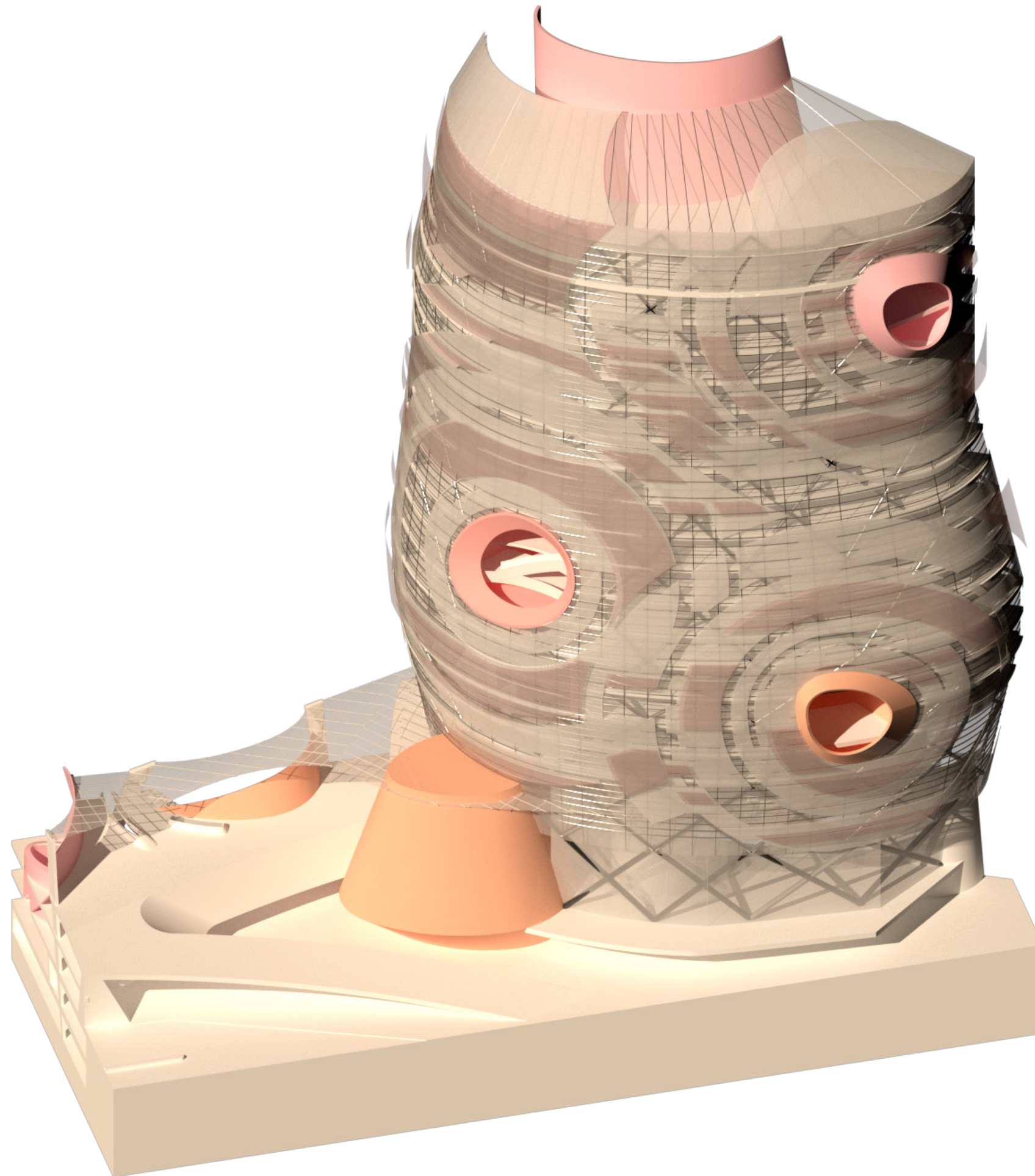
[11] HOUSING- MARKET RATE

Unit strategies throughout the tower, being radial, are roughly homogenous, to excel a mutual feeling of equality, especially in a more fluid access to views and equalized access to amenities within the membrane



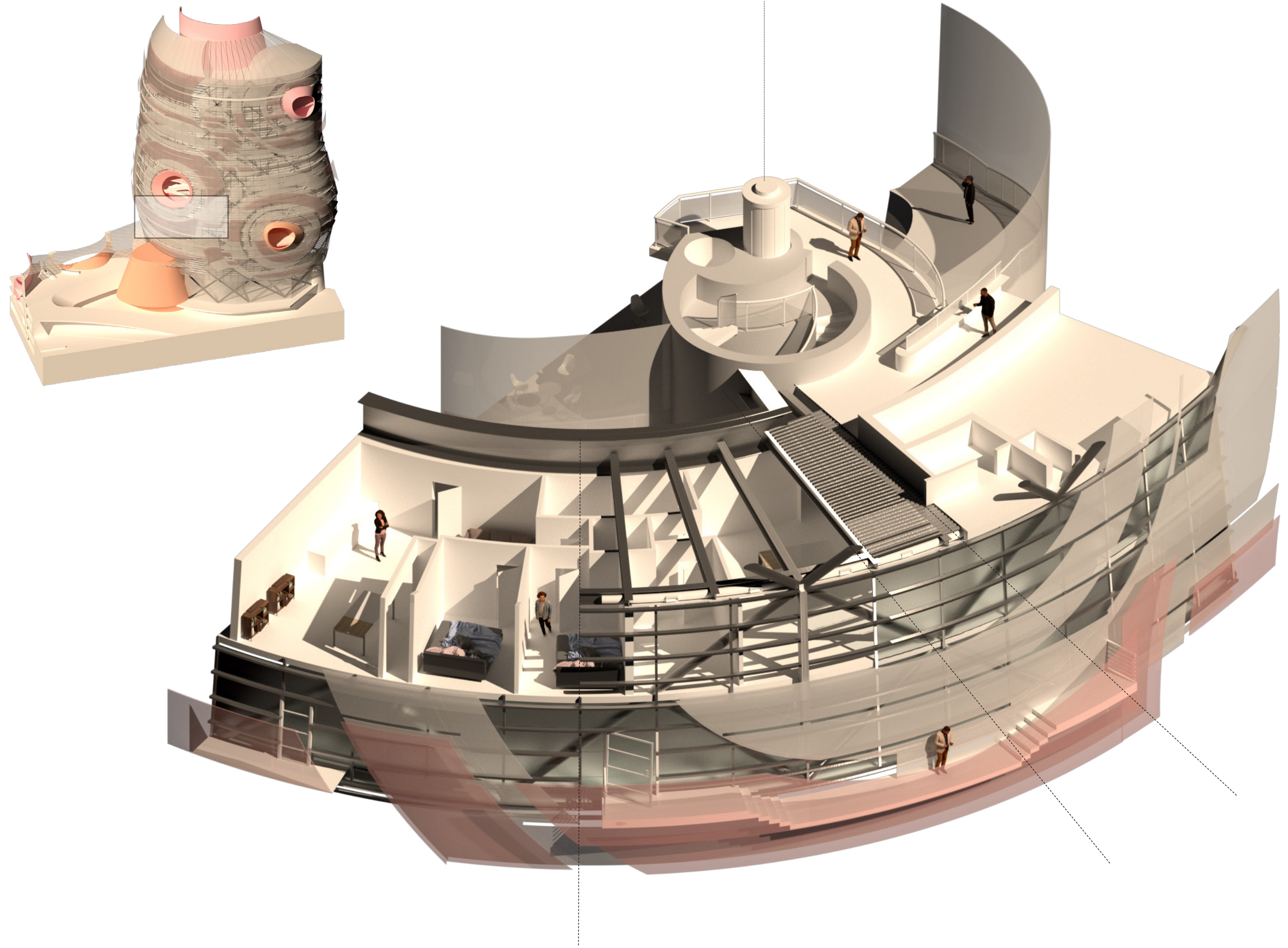
LARGE CHUNK

Showcases the procession of the site membrane into the tower, which prioritizes an activated core with permeations along the way, connecting the surrounding city



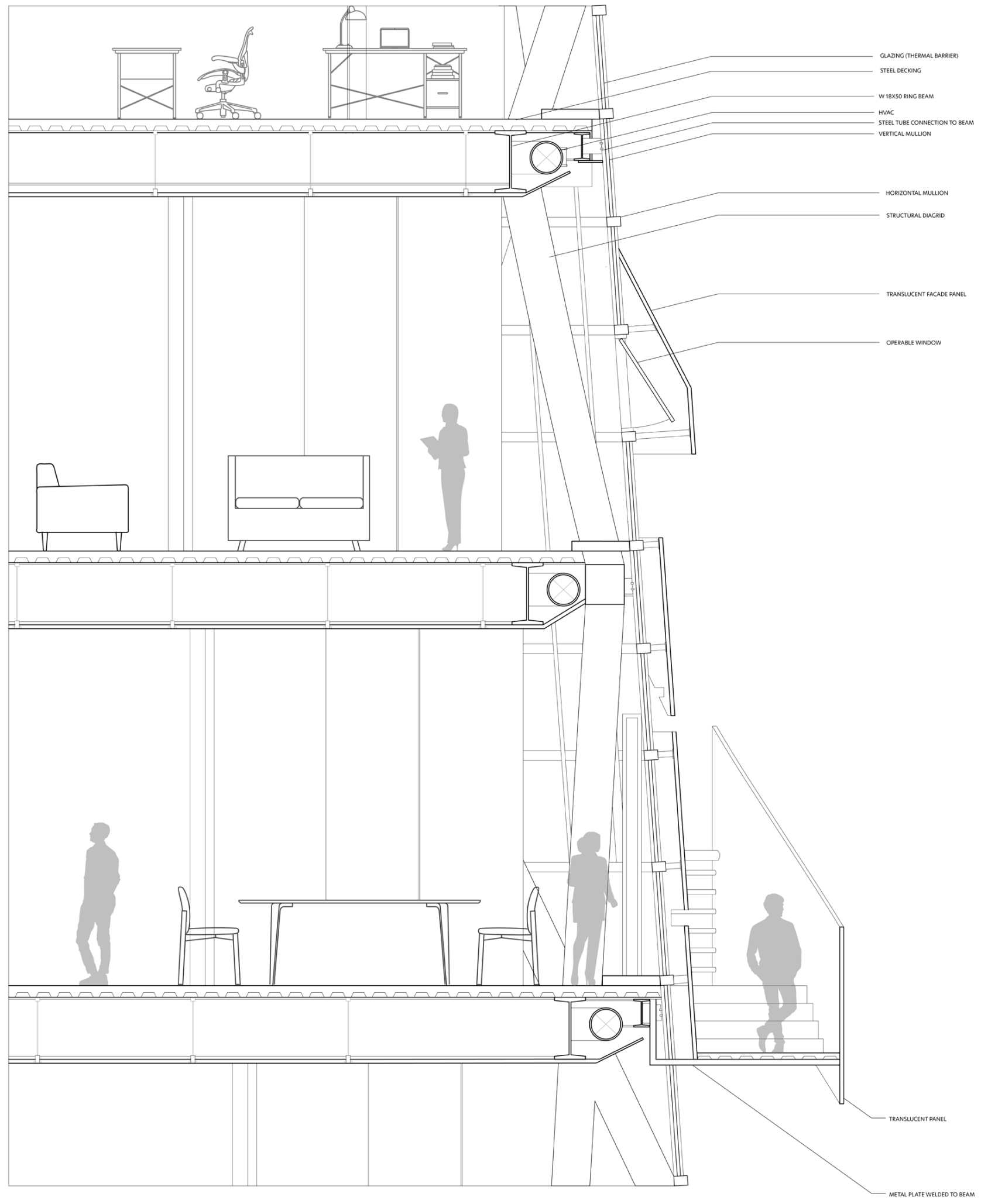
LARGE CHUNK

The facade can be seen as a method of providing both interest and further illegibility to the project through an echoed patterning, sourced from the pores. The offset panels grant units shaded light through translucency, and also allow for balconies, without the facade reading in a unitized manner



DETAIL CHUNK

This diagram gives a close-up of how the panelization strategy is working with the structural system, and shows some unit layouts



DETAIL SECTION

A more technical look at how the curtain wall is working with the diagrid, along with the balcony and facade panels

