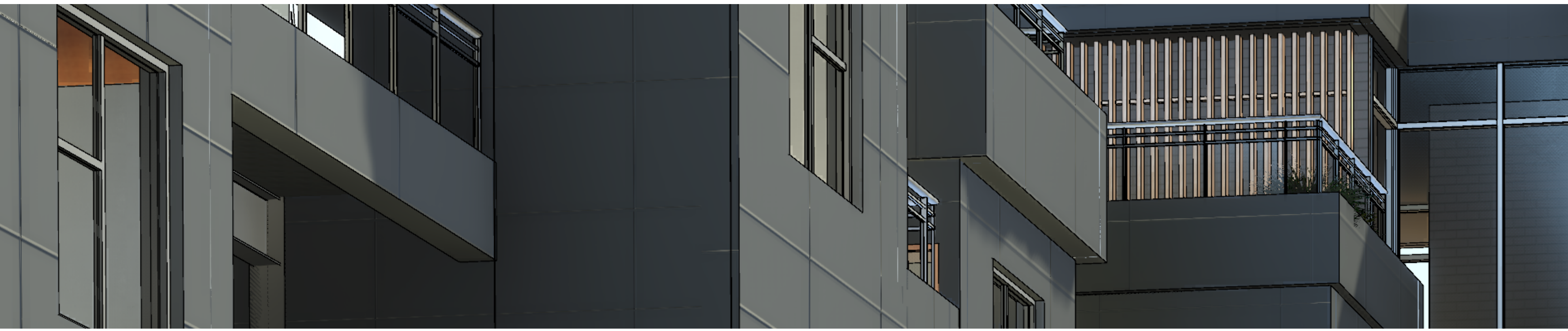


PORCH APARTMENTS

Dean Bailey

Berkley, VA

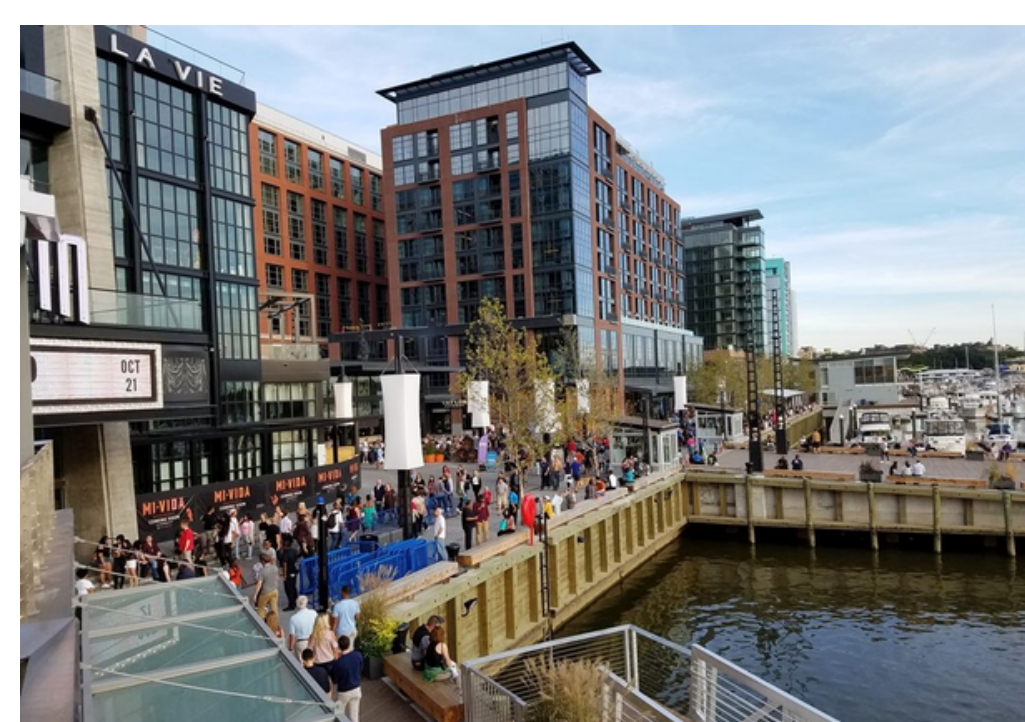
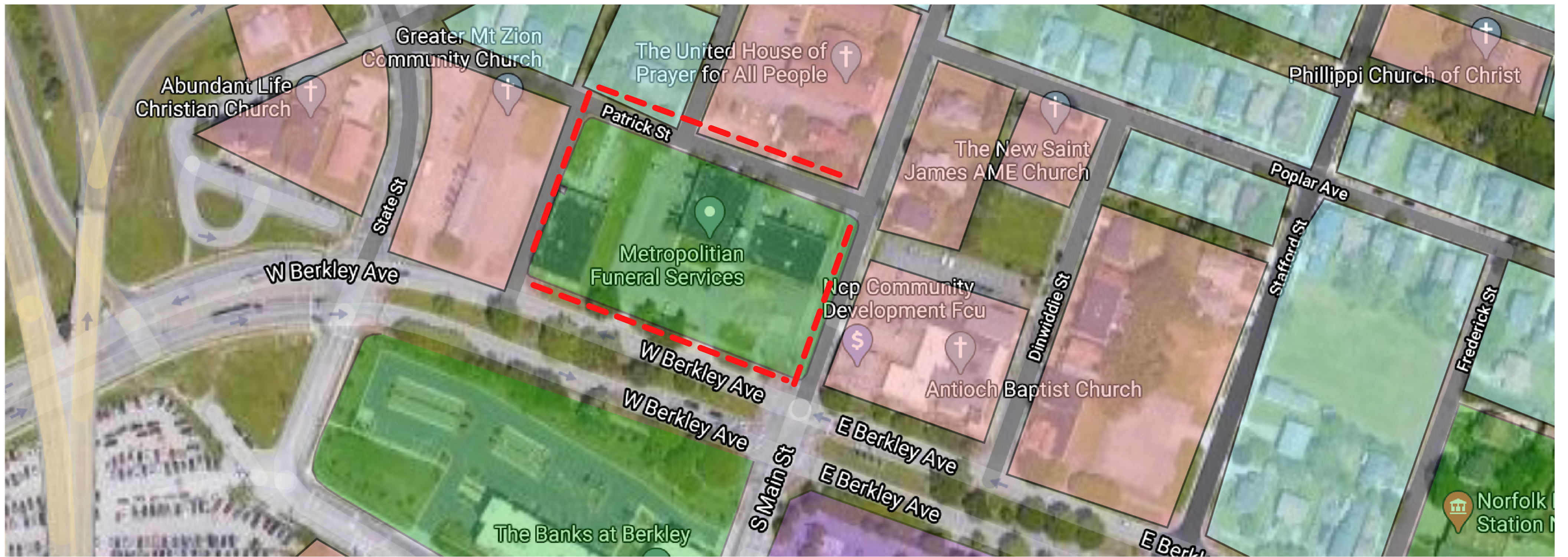
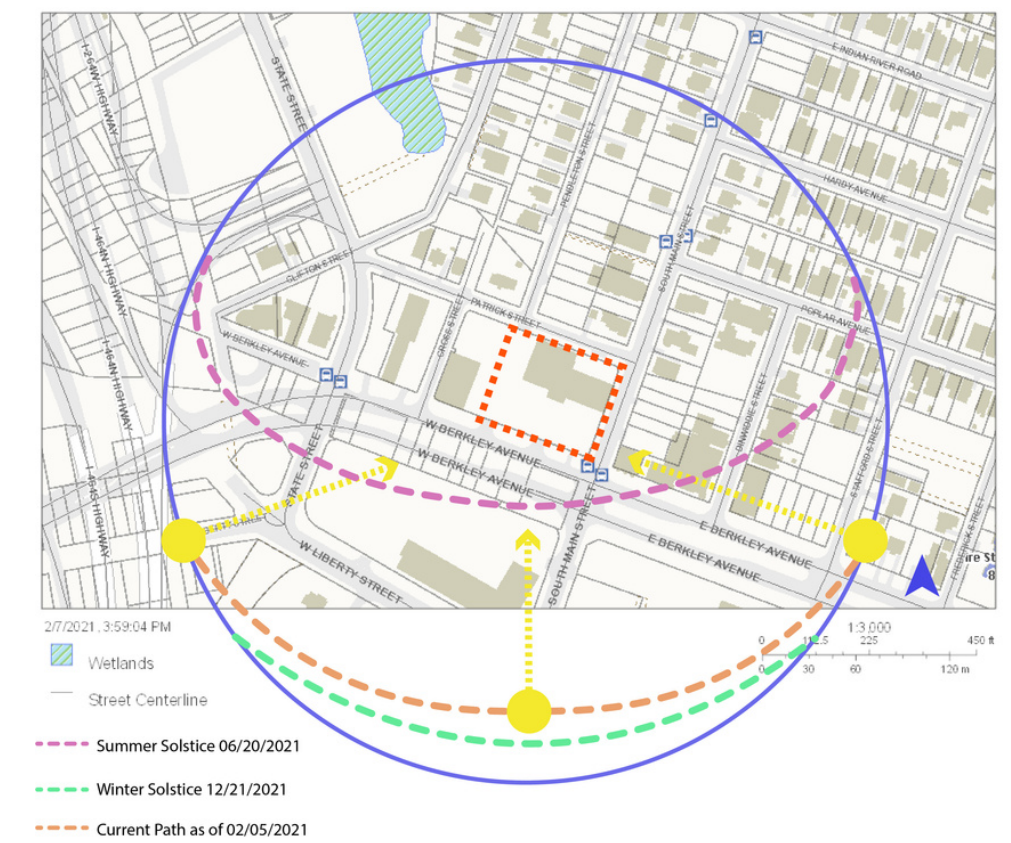
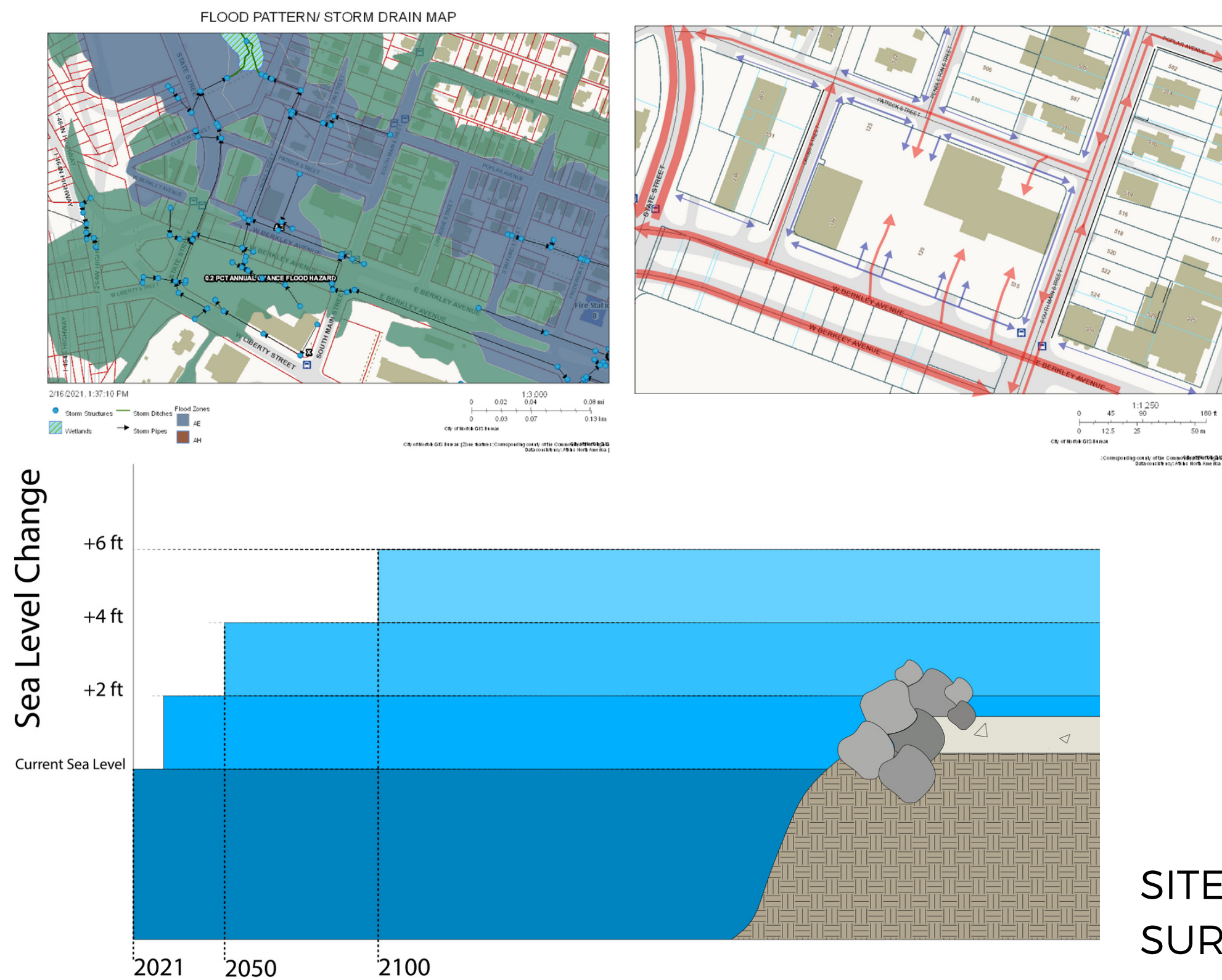
A Project in Resilient Architectural Design



THE SITE



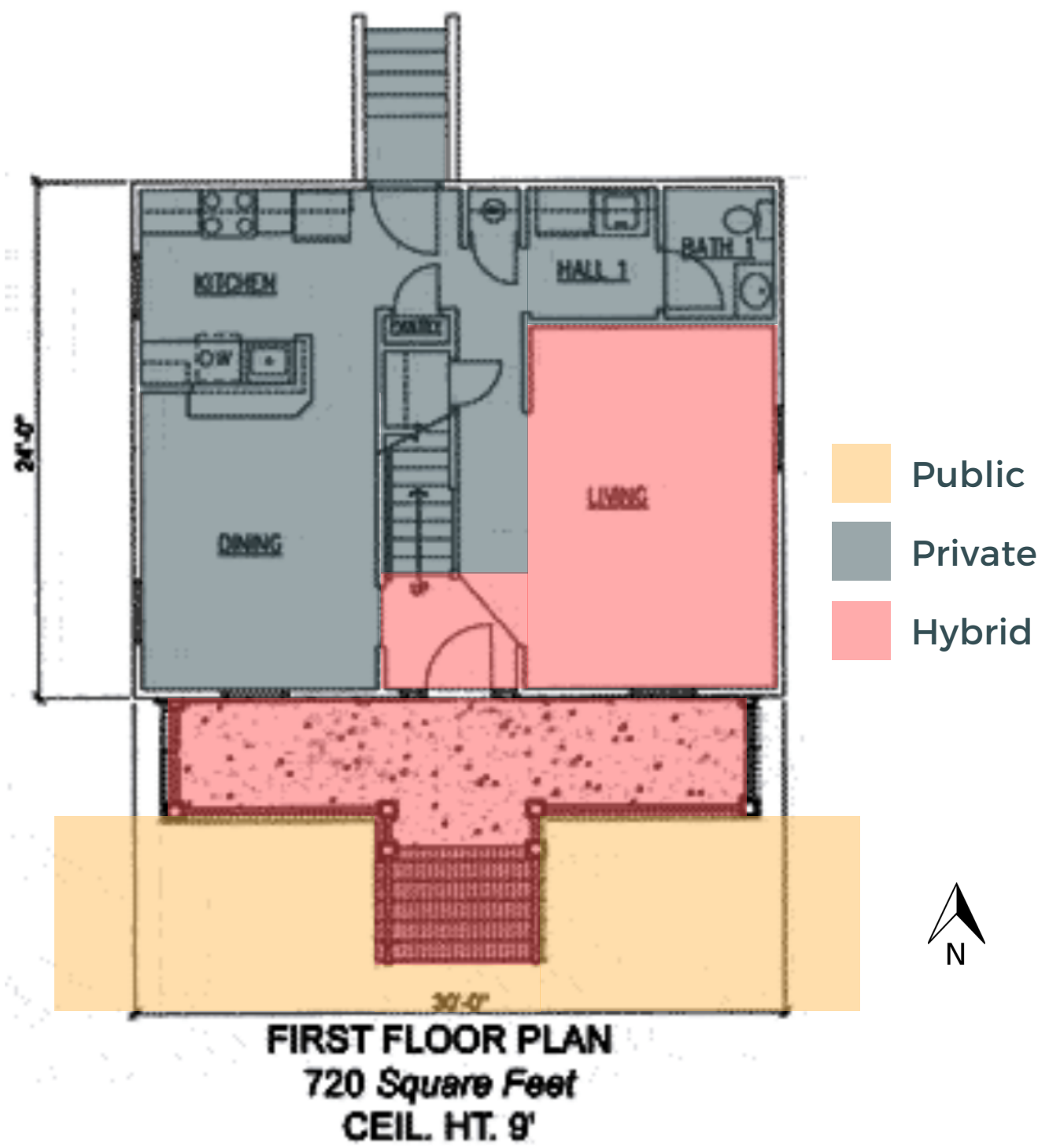
SITE LOCATION:
BERKLEY, HAMPTON ROADS VIRGINIA



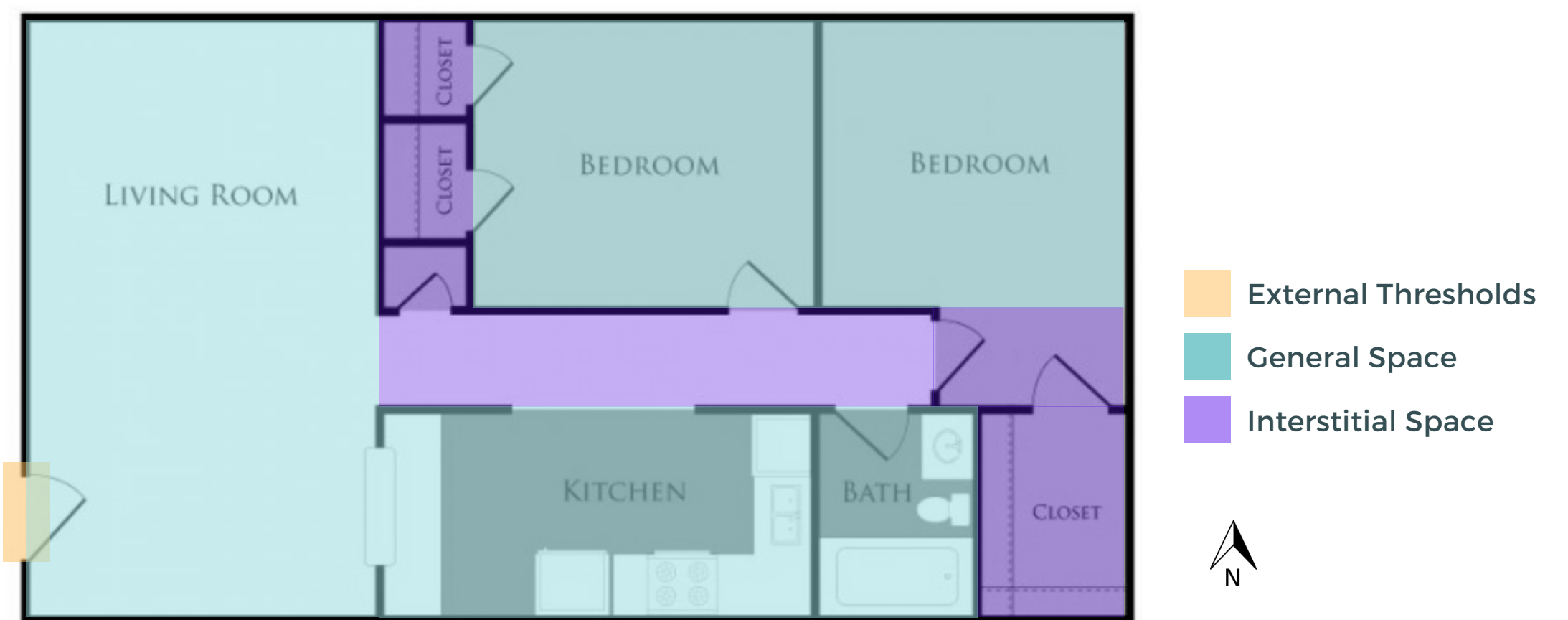
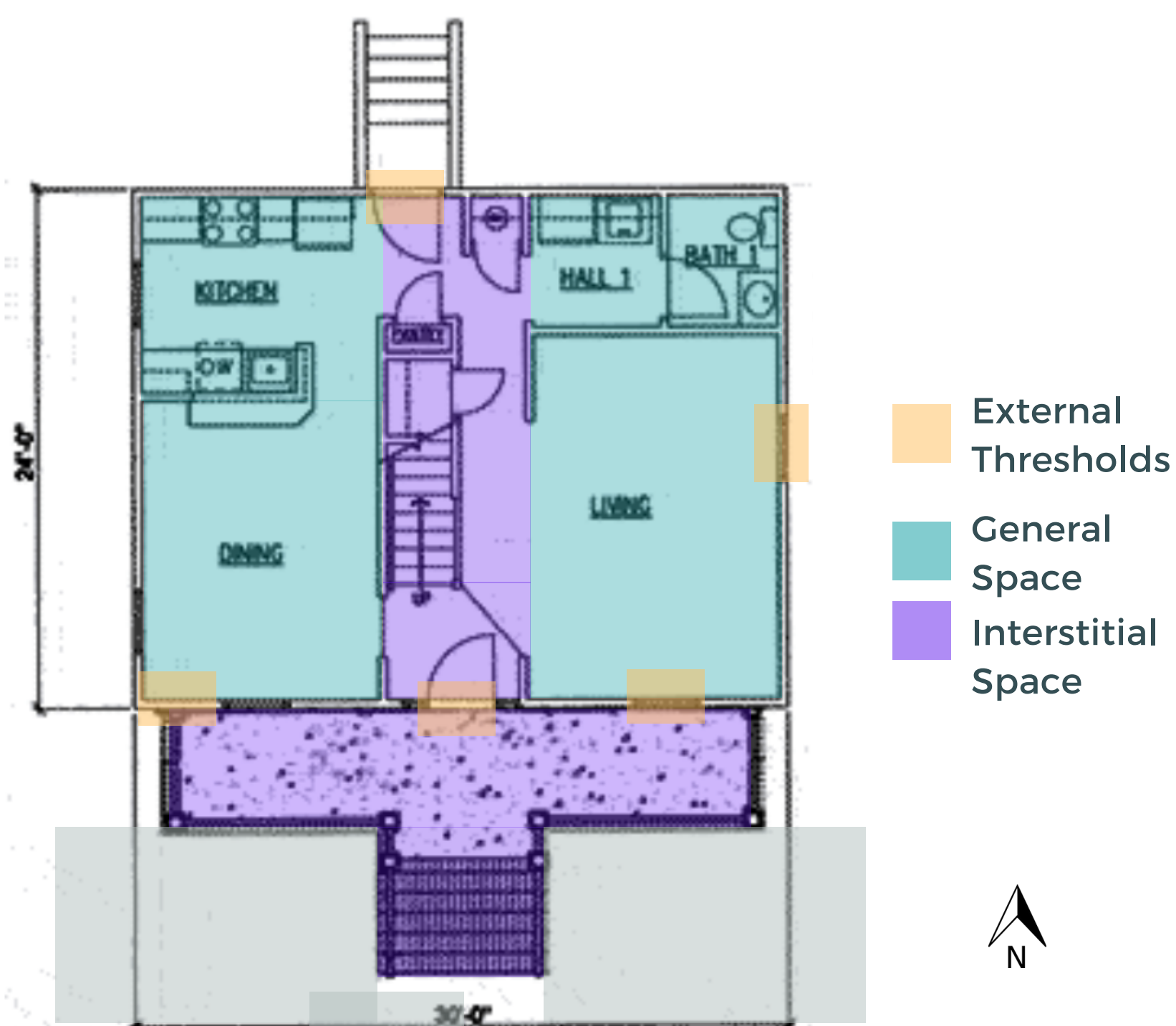
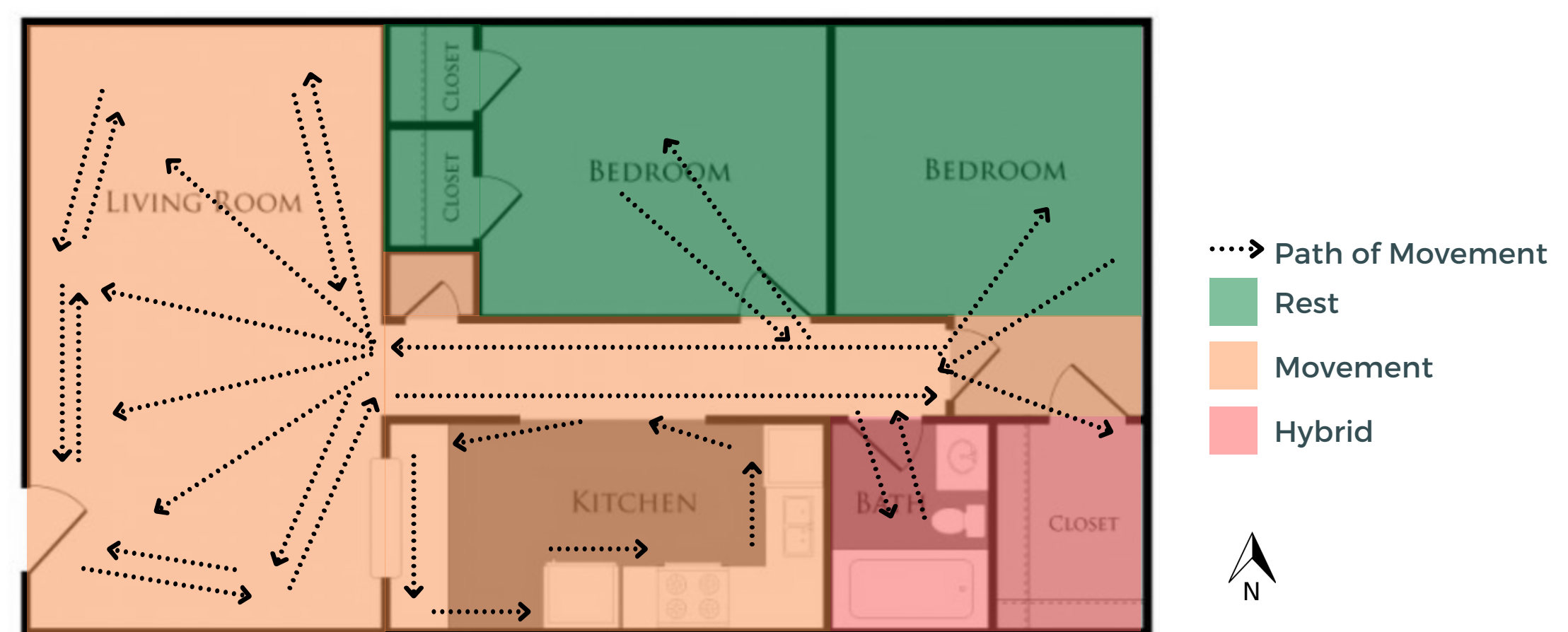
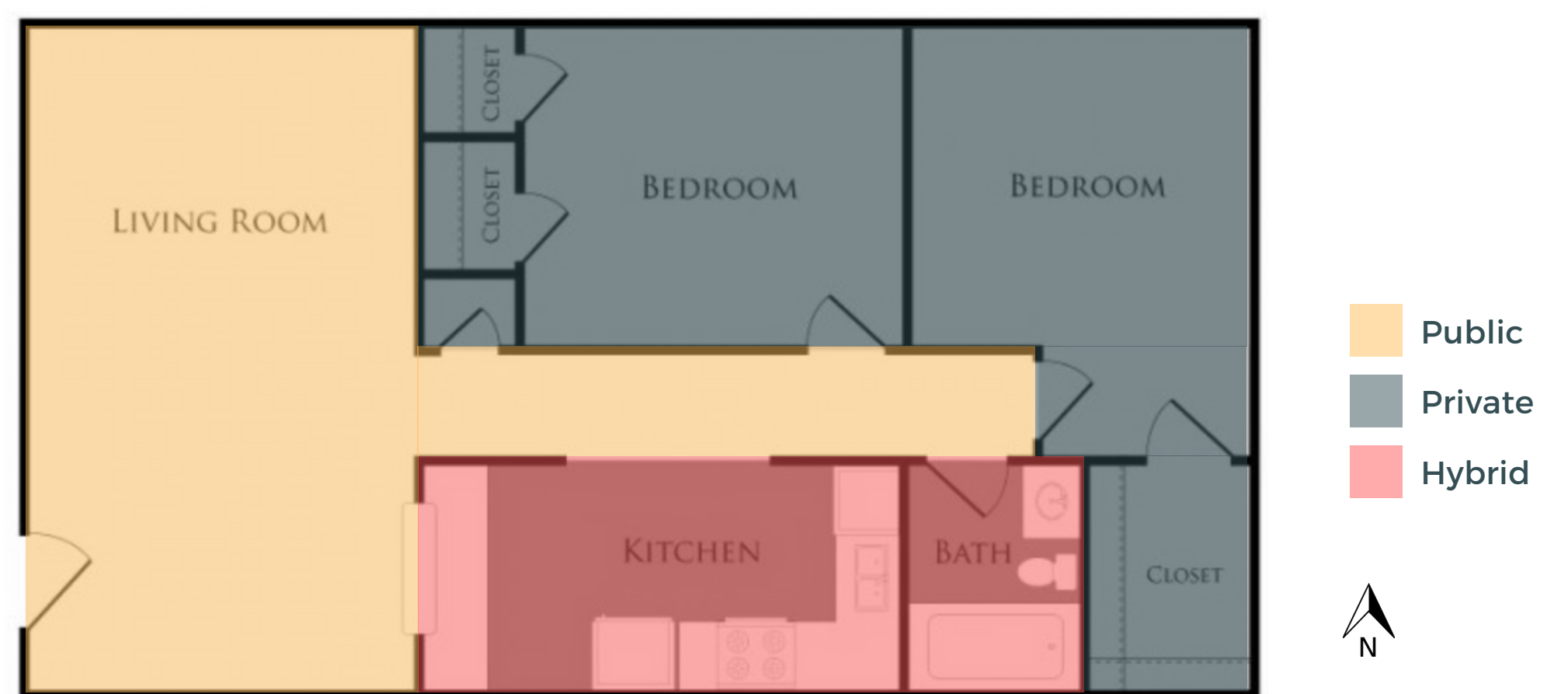
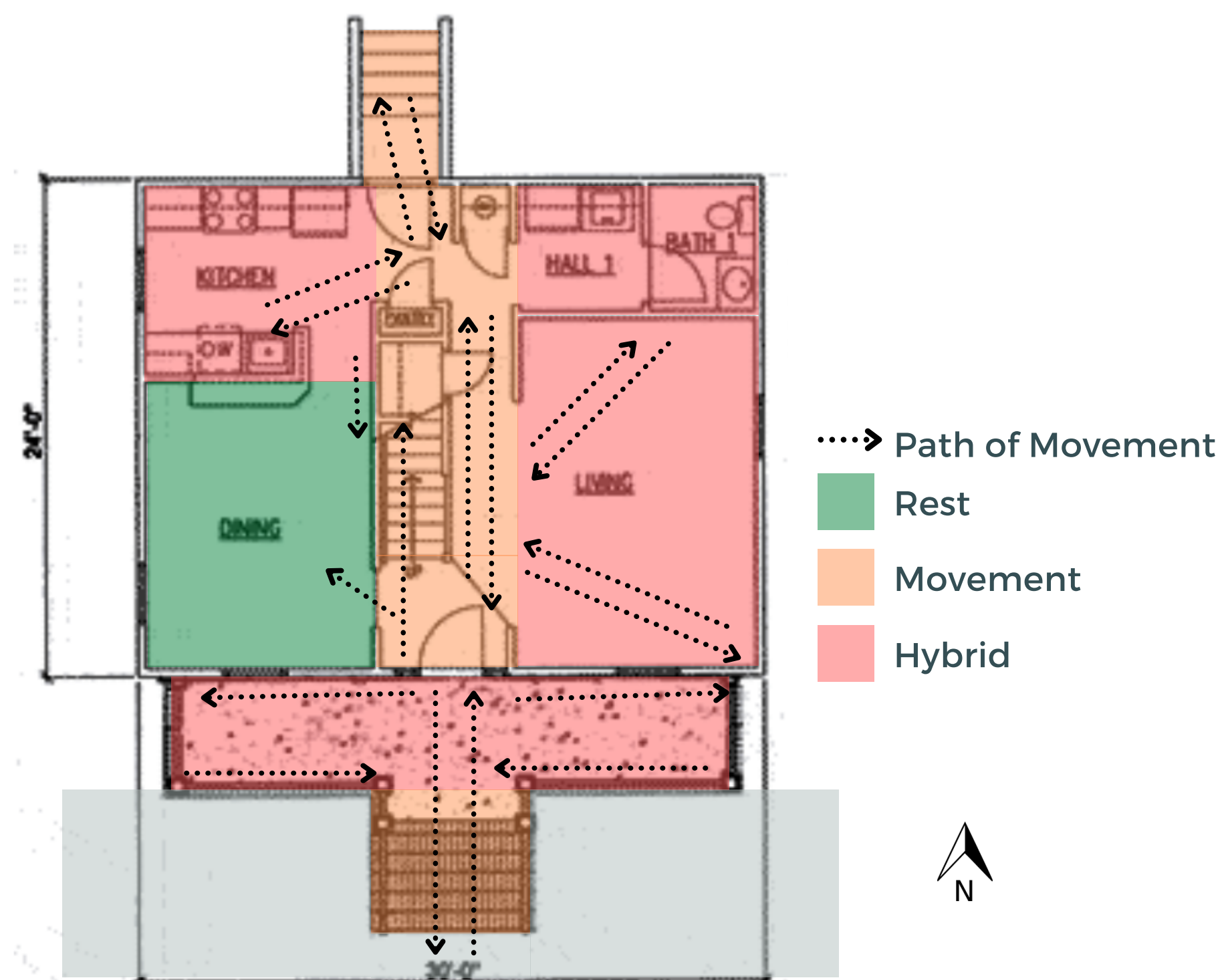
Resilience is the ability of the building to withstand the challenges the site, and preexisting condition might provide, while being true to the task of caring for residence, and being sustainably responsible. The efficiency of a building, and the efficacy of the care it provides, are just as important as its ability to survive, and adapt.

PORCH APARTMENTS

DOMESTIC RITUAL ANALYSIS

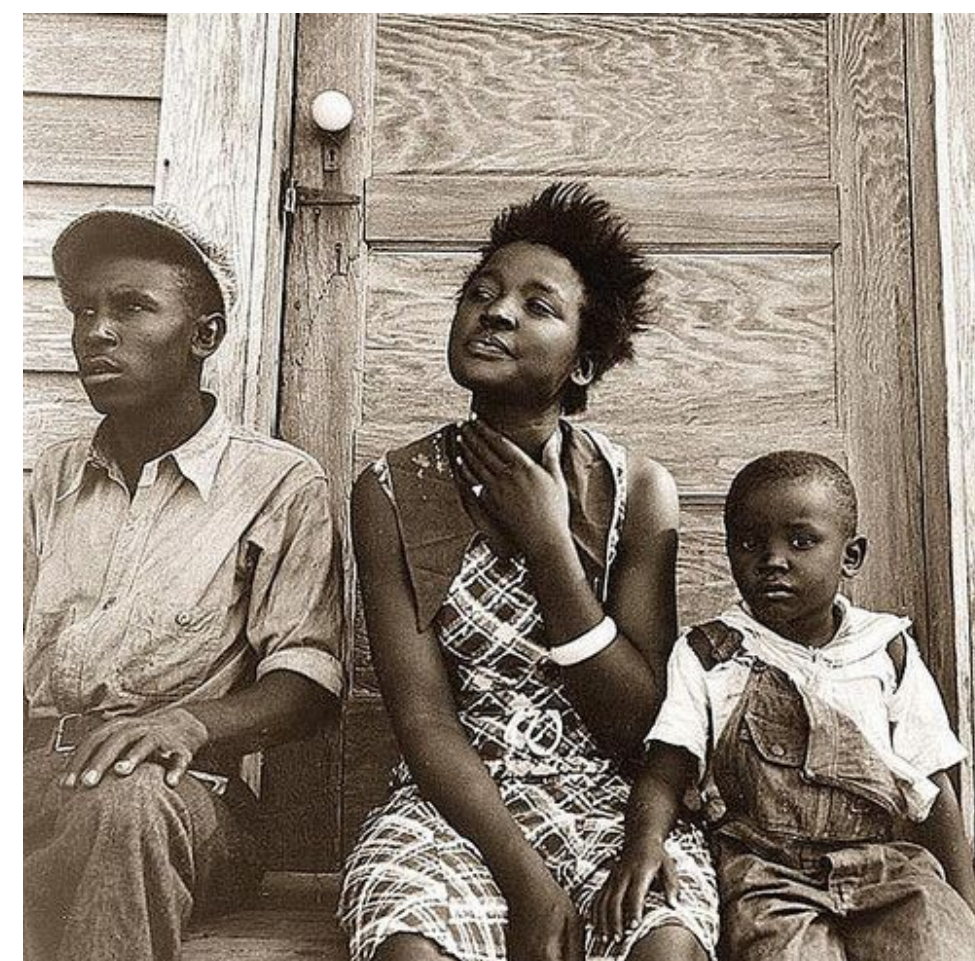


Lot F -
Shipp
Corner
3 Bedroom
2.5 Bath
1866 sq. ft.



THE PORCH IS A CULTURAL PIECE IN THE LIVES OF MANY AMERICANS, YET IT IS OFTEN FORGOTTEN IN THE TRANSITION FROM SINGLE TO MULTIFAMILY UNITS. IT IS A DYNAMIC ASPECT OF ANY HOME THAT BRINGS NEIGHBORHOODS TOGETHER, WHILE PROVIDING A TRANSITION FROM PUBLIC TO PRIVATE SPACE.

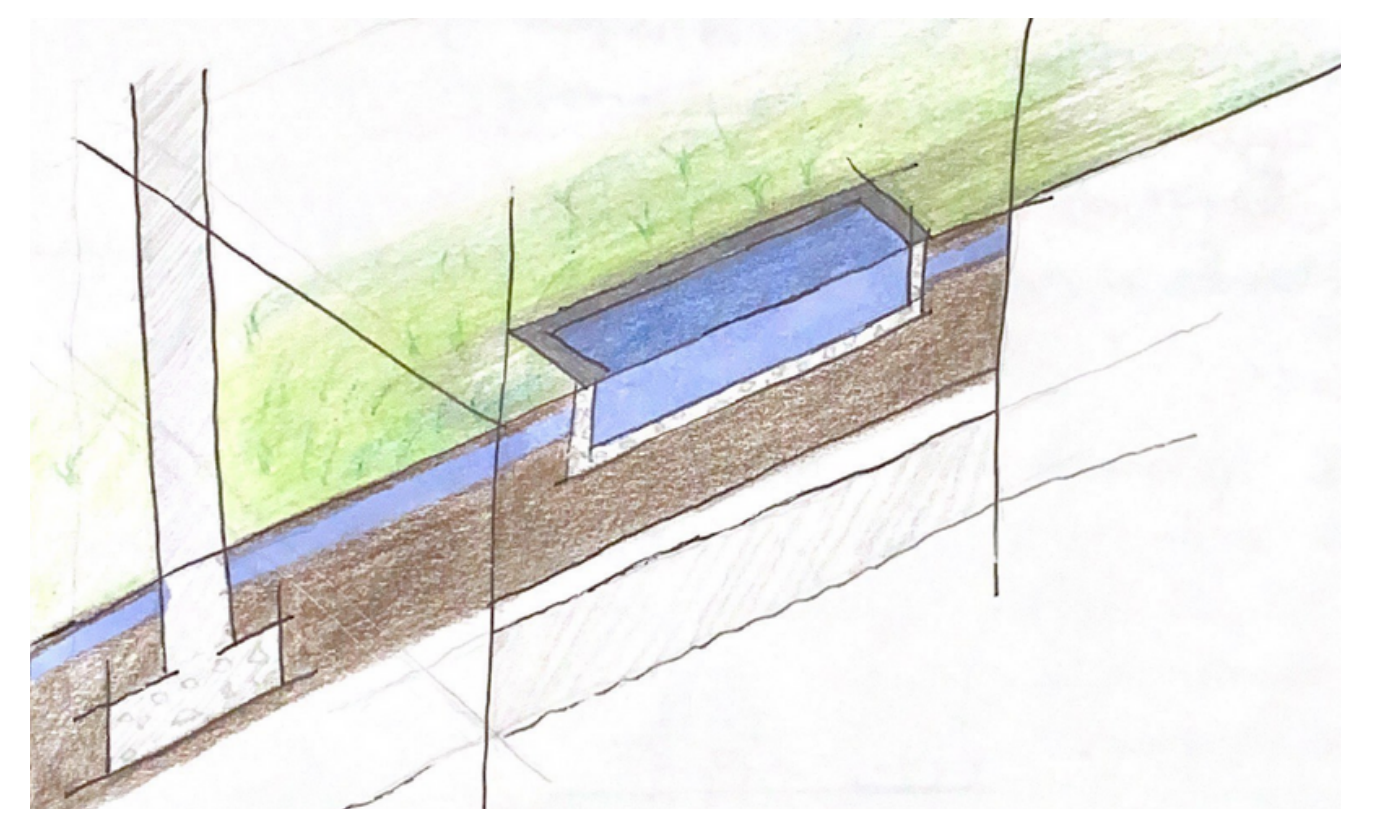
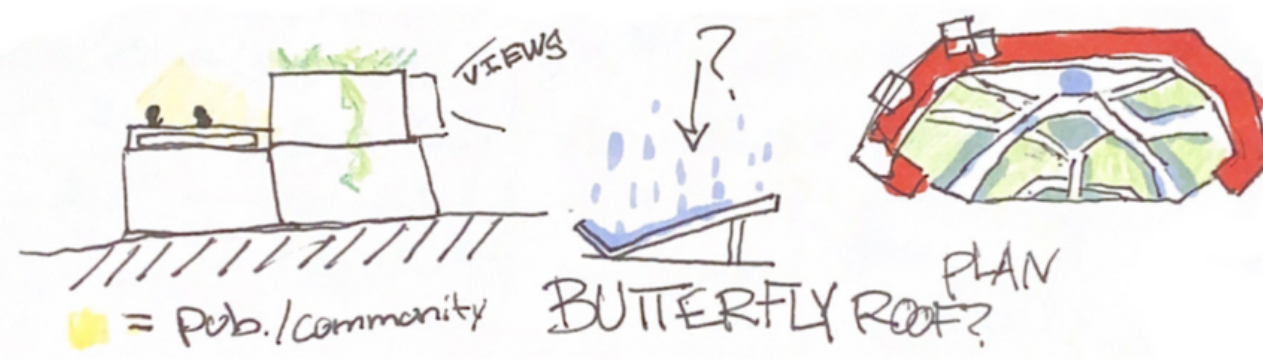
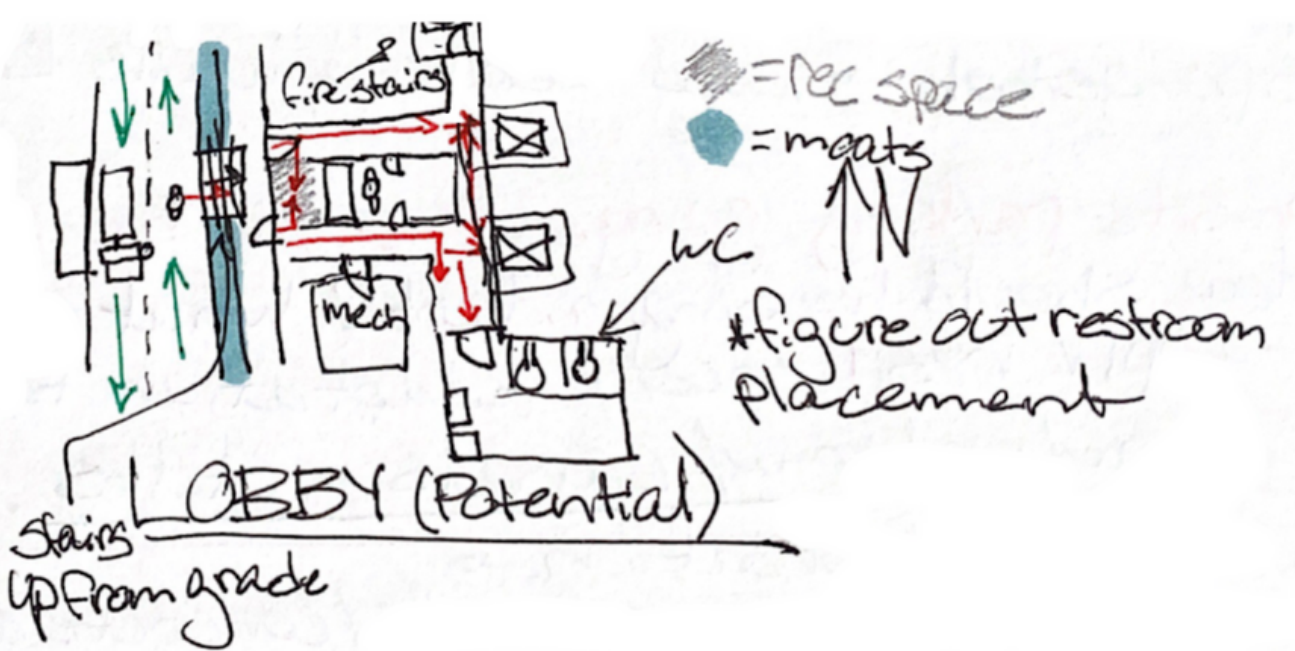
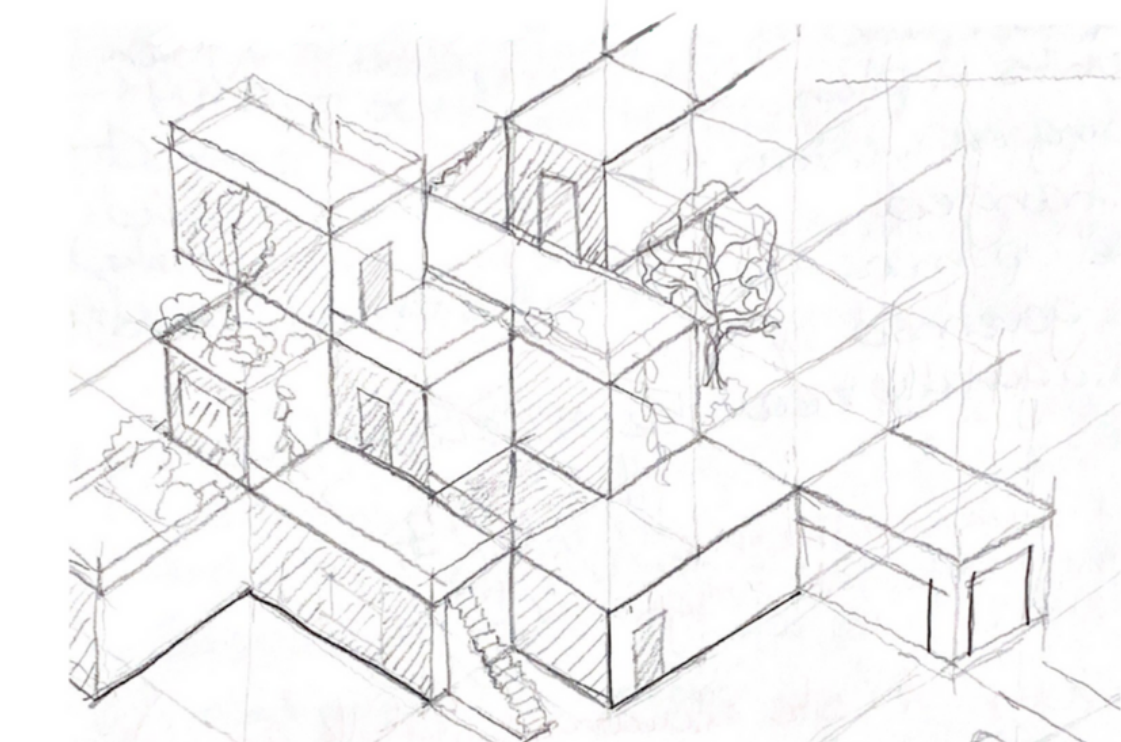
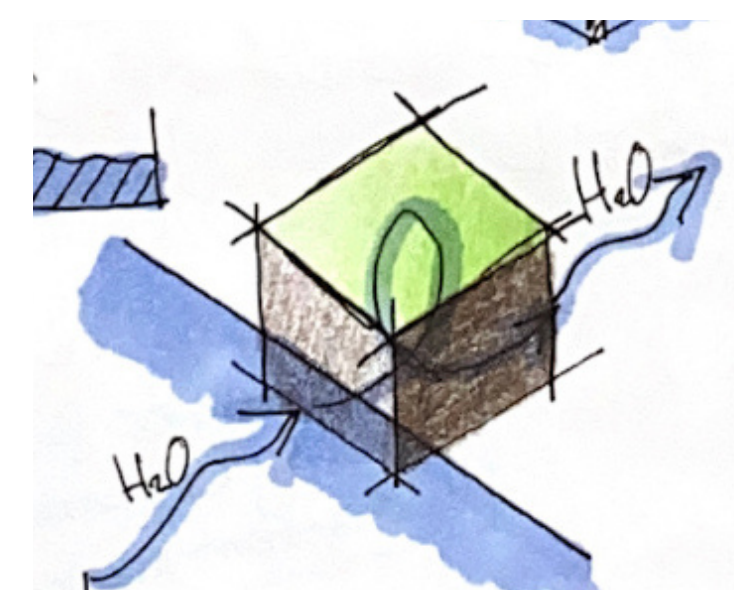
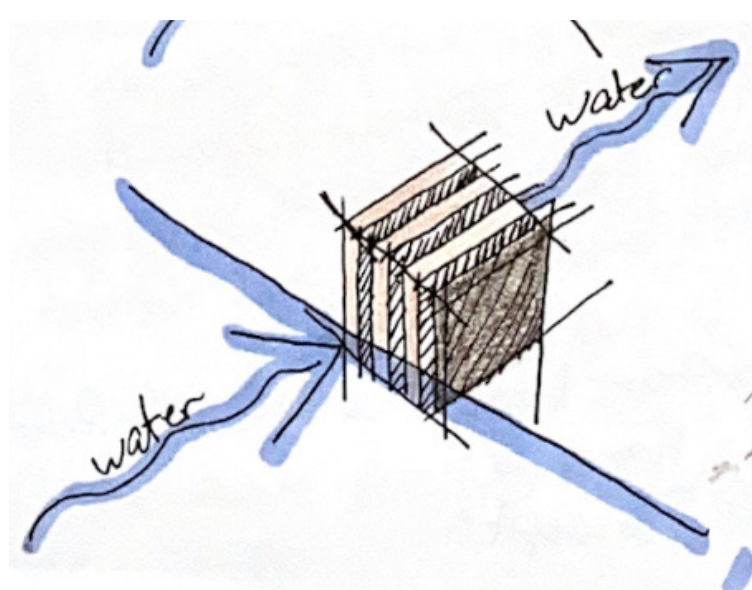
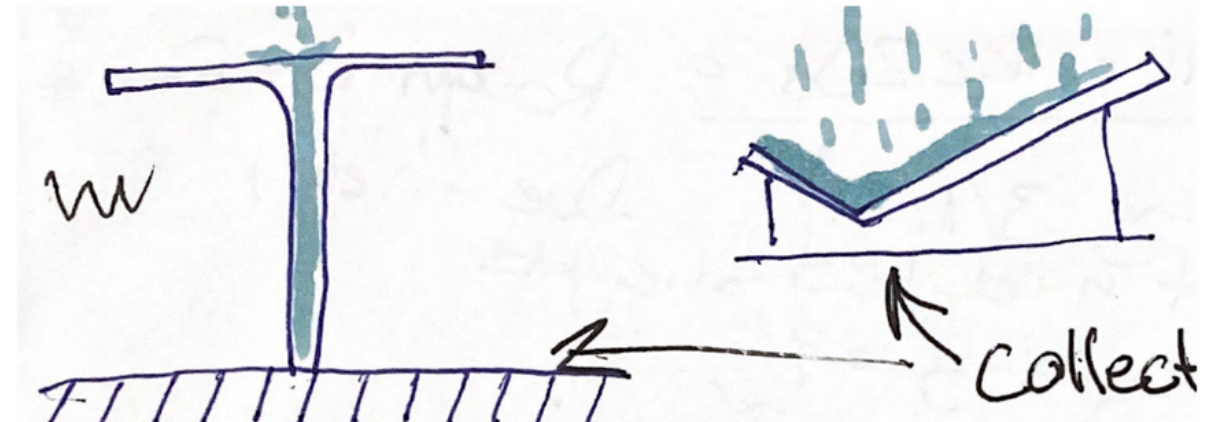
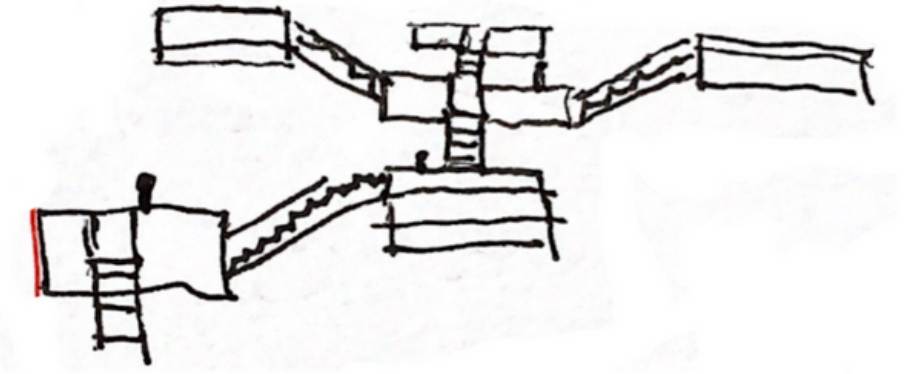
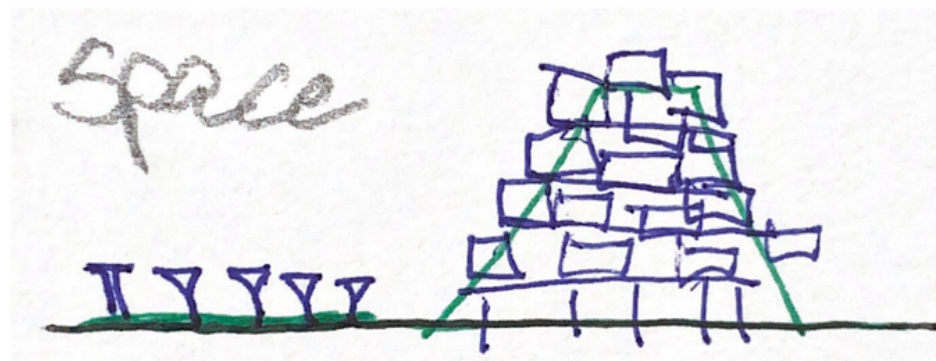
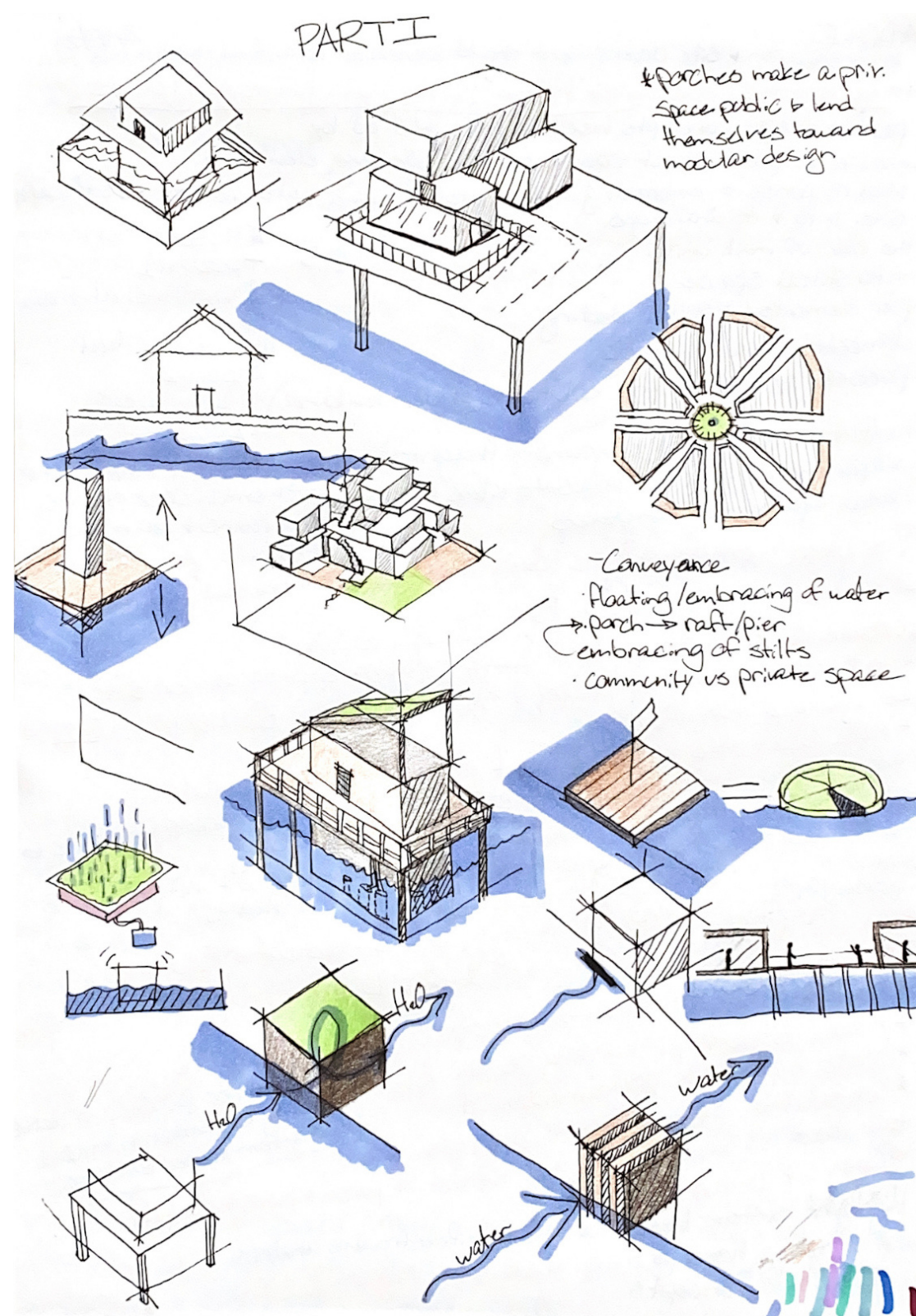
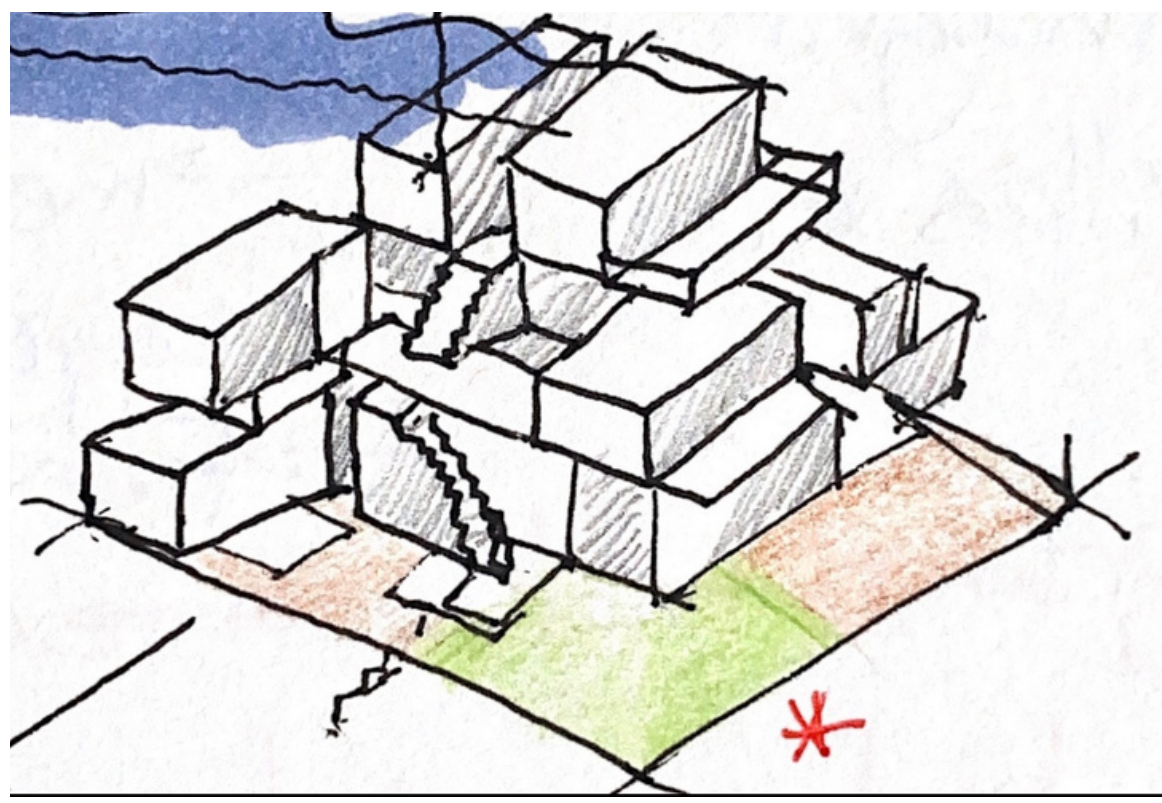
This project moving forward will focus on making the transition from single homes to apartments, comfortable and familiar for Berkley residents. As porches are familiar to the residents, designs to incorporate the dynamic experientials of a porch will be implemented into multifamily units.



PORCH APARTMENTS

PARTI/CONCEPTS/PRECEDENTS

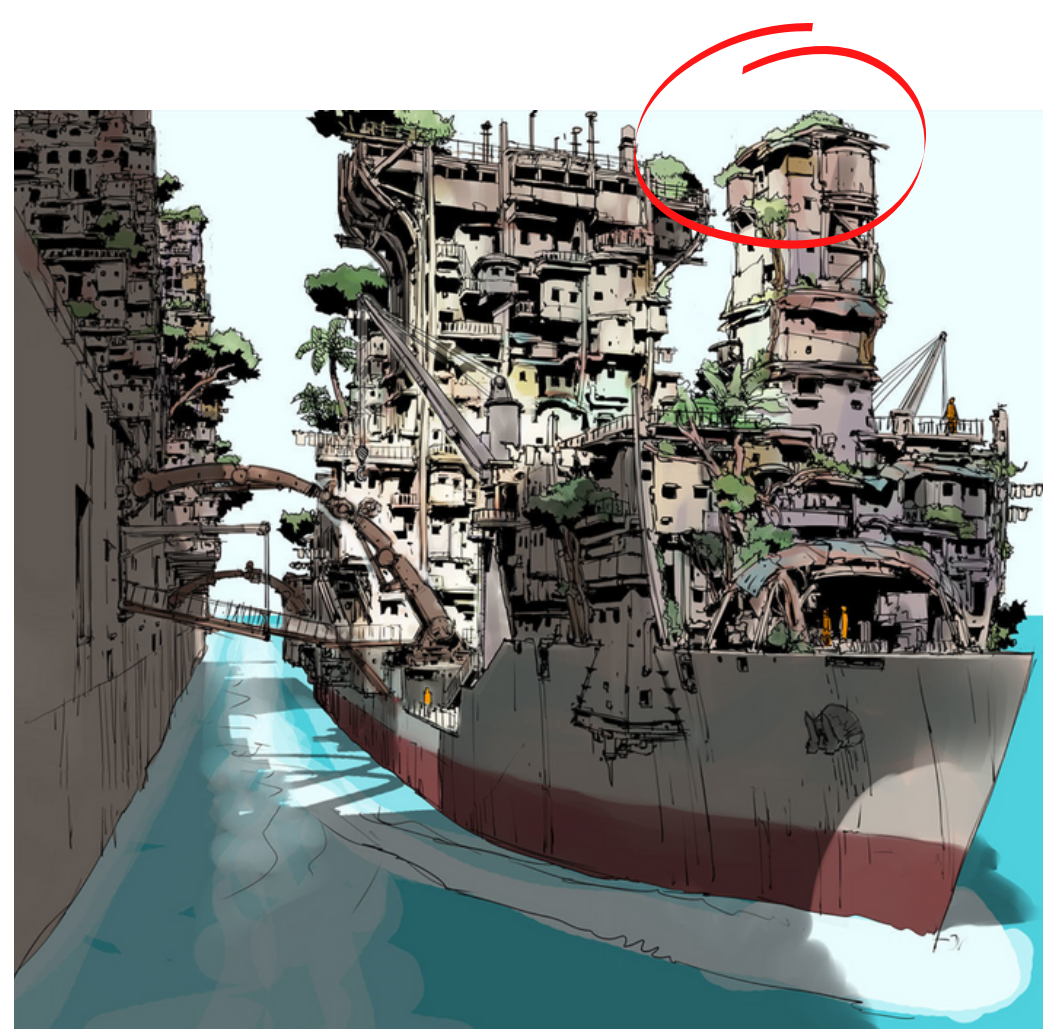
Dean Bailey



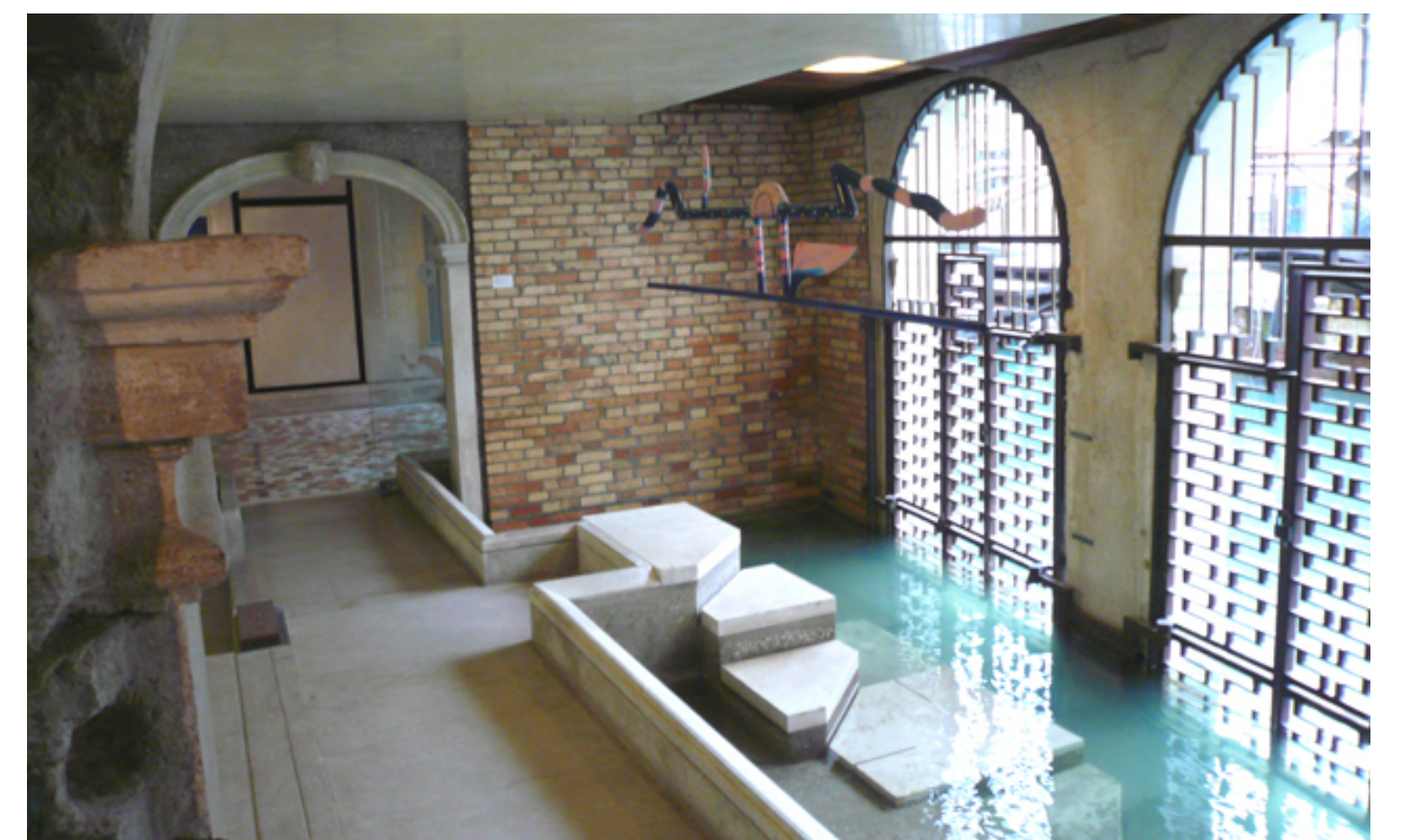
Precedents



HABITAT 67 Moshe Safdie



GARGANTIA



ROMAN FLOOD ARCHITECTURE



FLOOD-BASED VERNACULAR ARCHITECTURE



NIKKEN SEKKEI

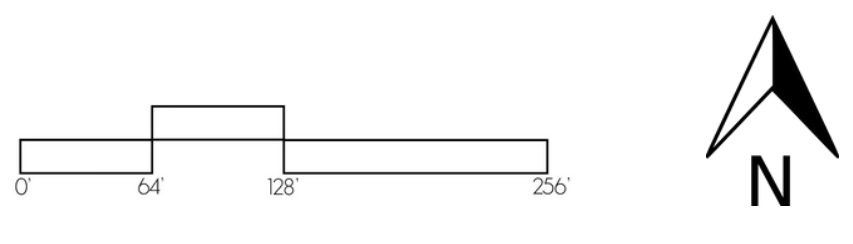
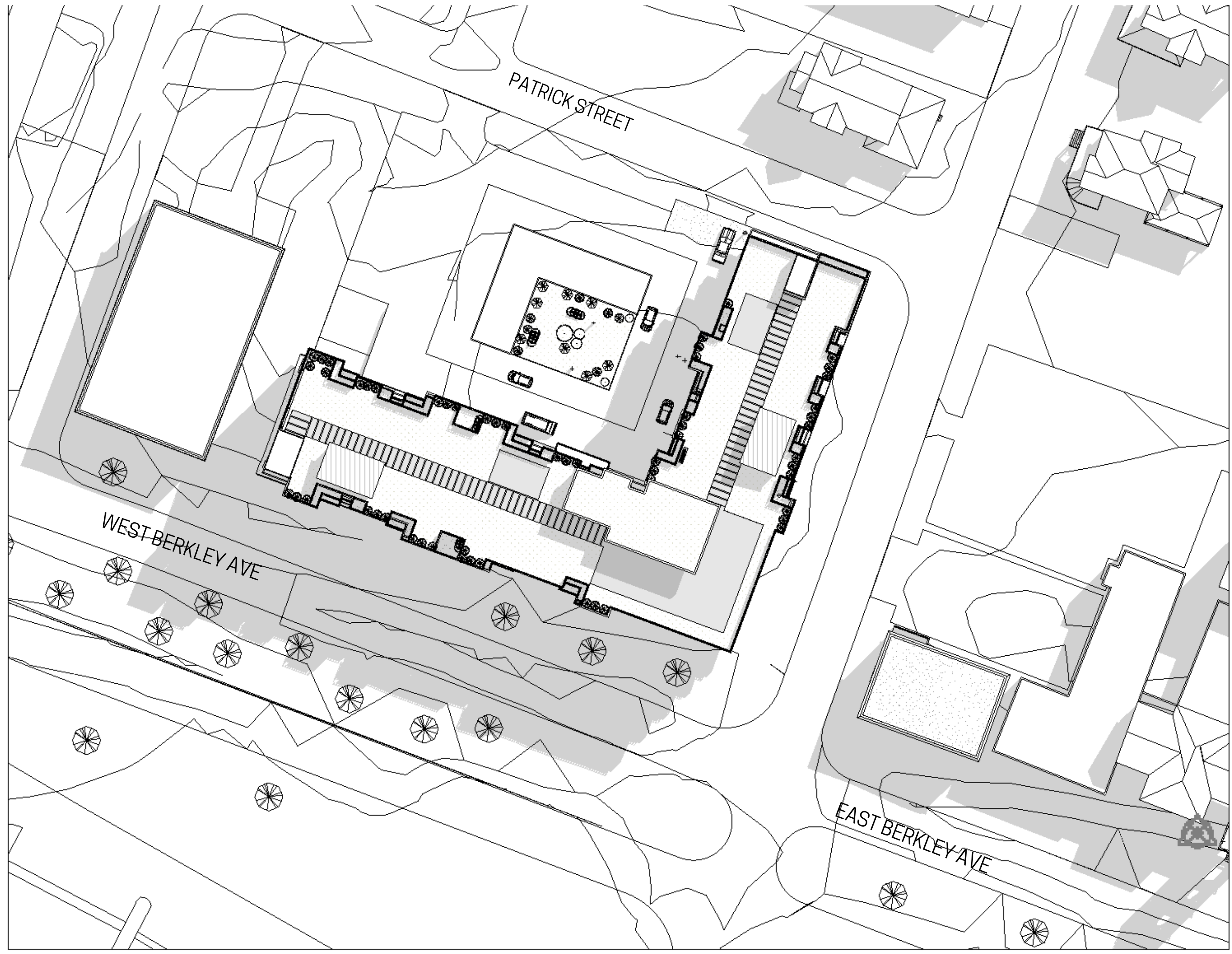


ADOBE STRUCTURES



PORCH APARTMENTS

PARTI/CONCEPTS/PRECEDENTS



NORTH ELEVATION



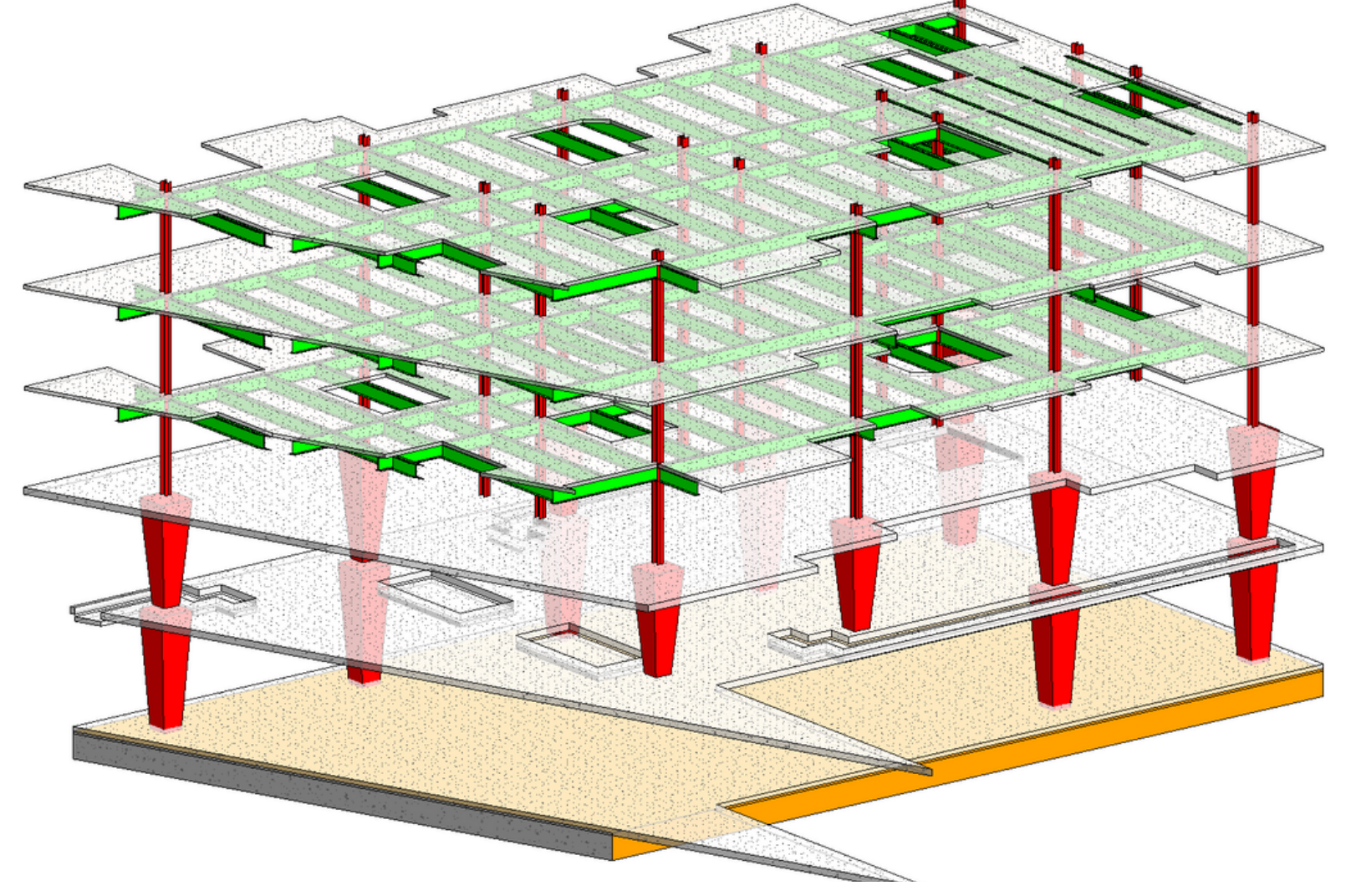
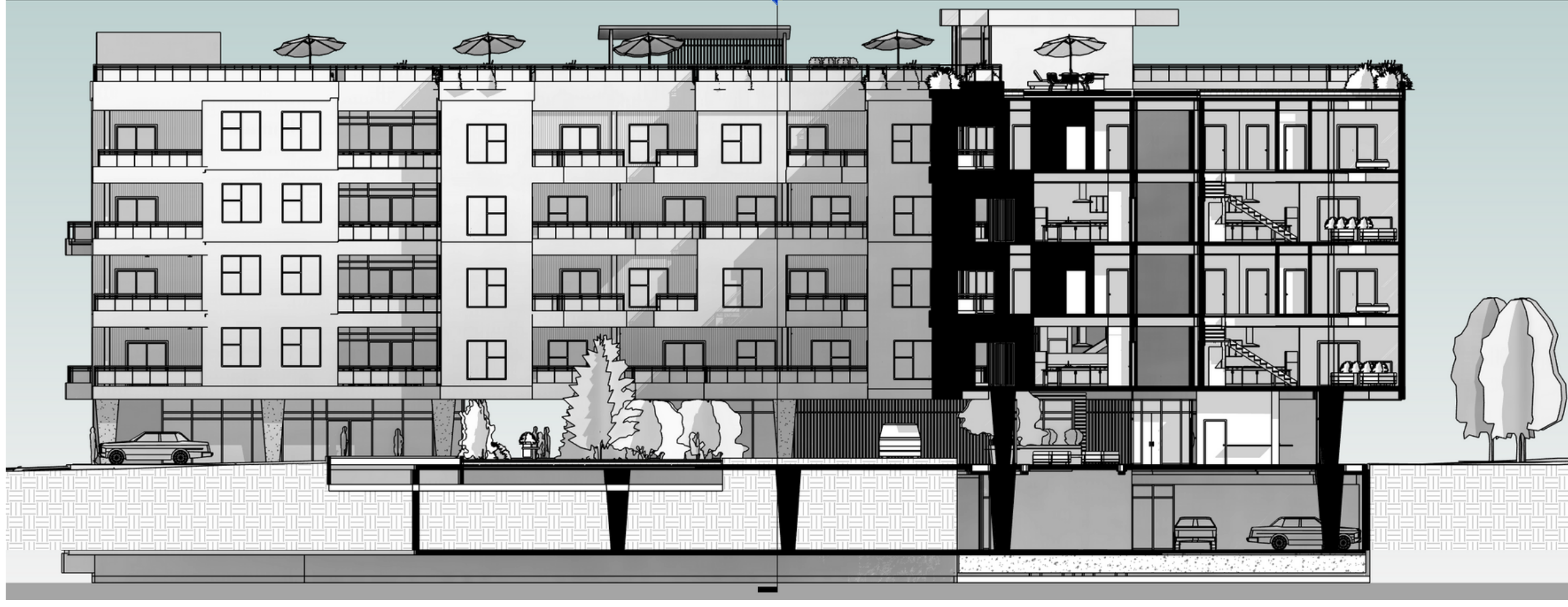
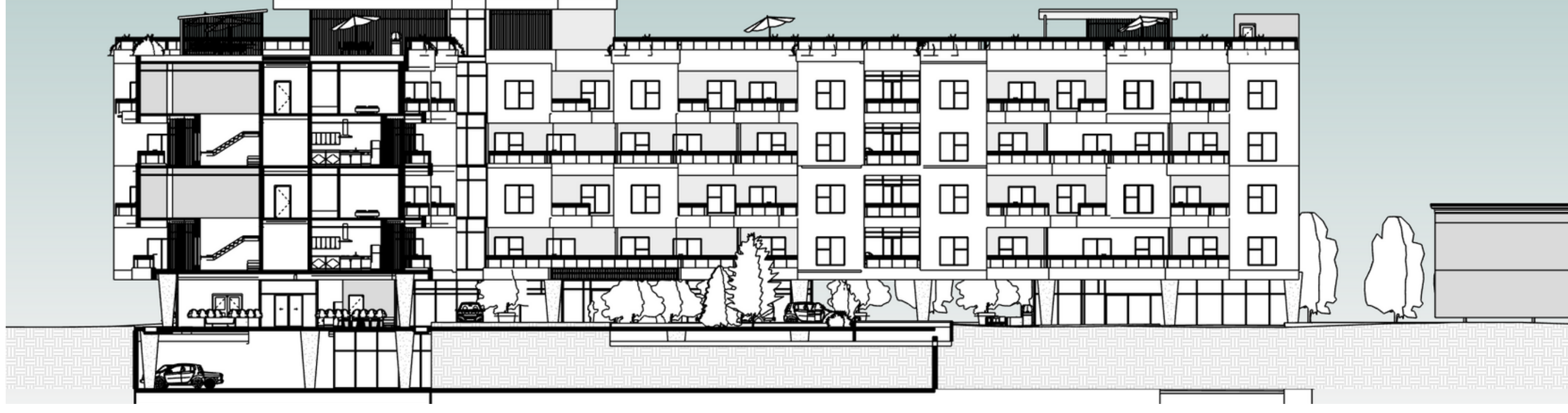
EAST ELEVATION



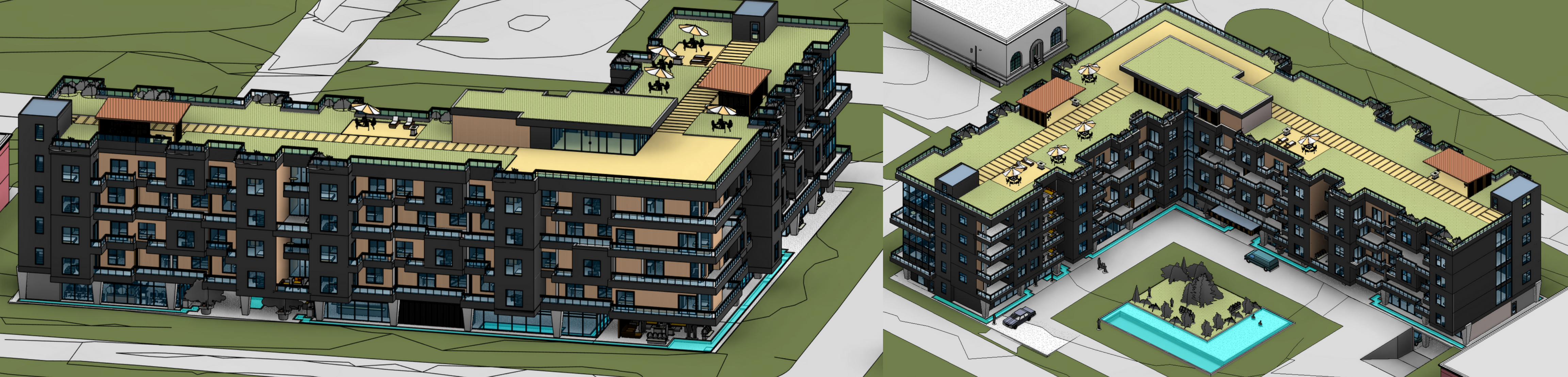
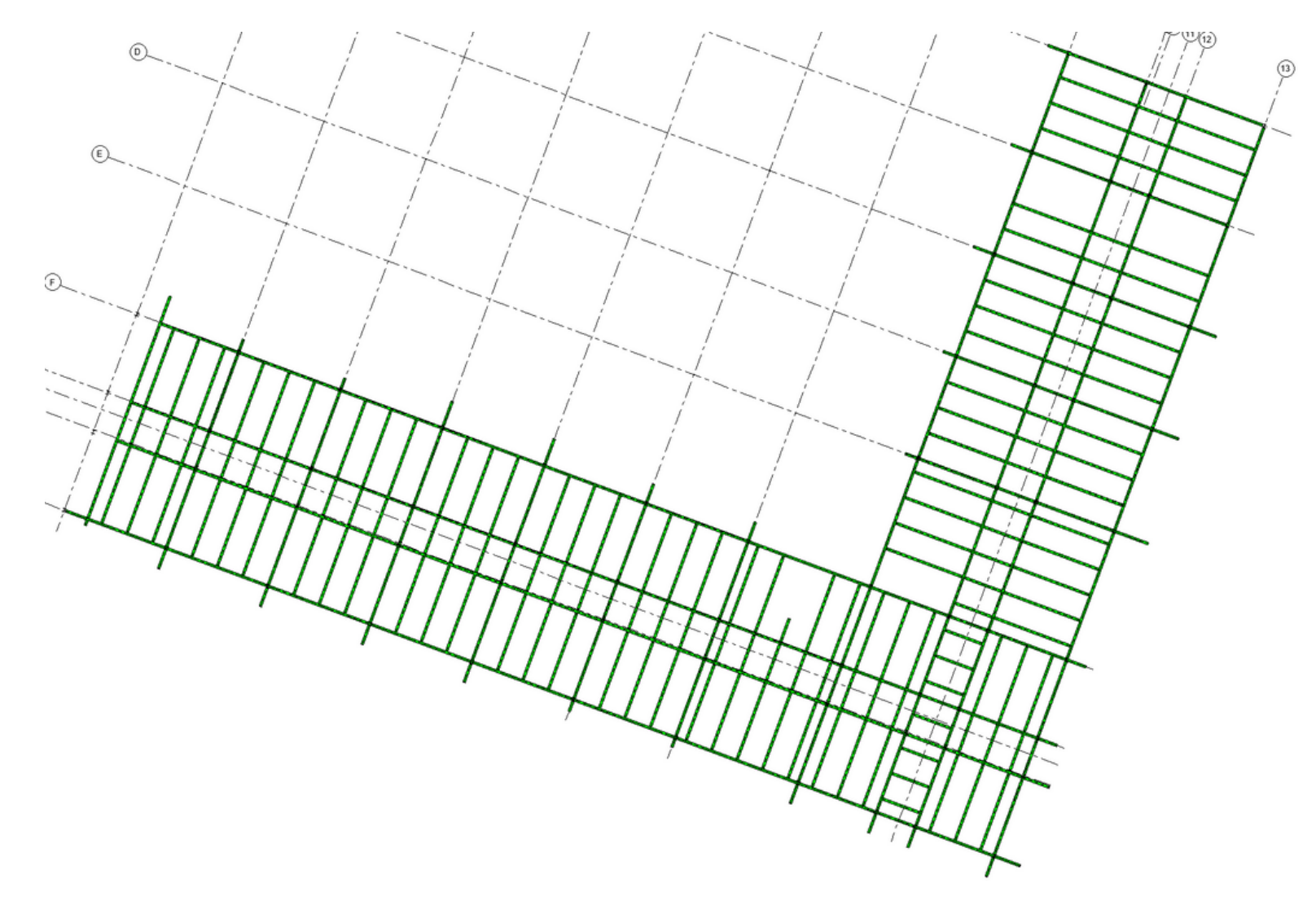
WEST ELEVATION



SOUTH ELEVATION



STRUCTURAL DIAGRAM

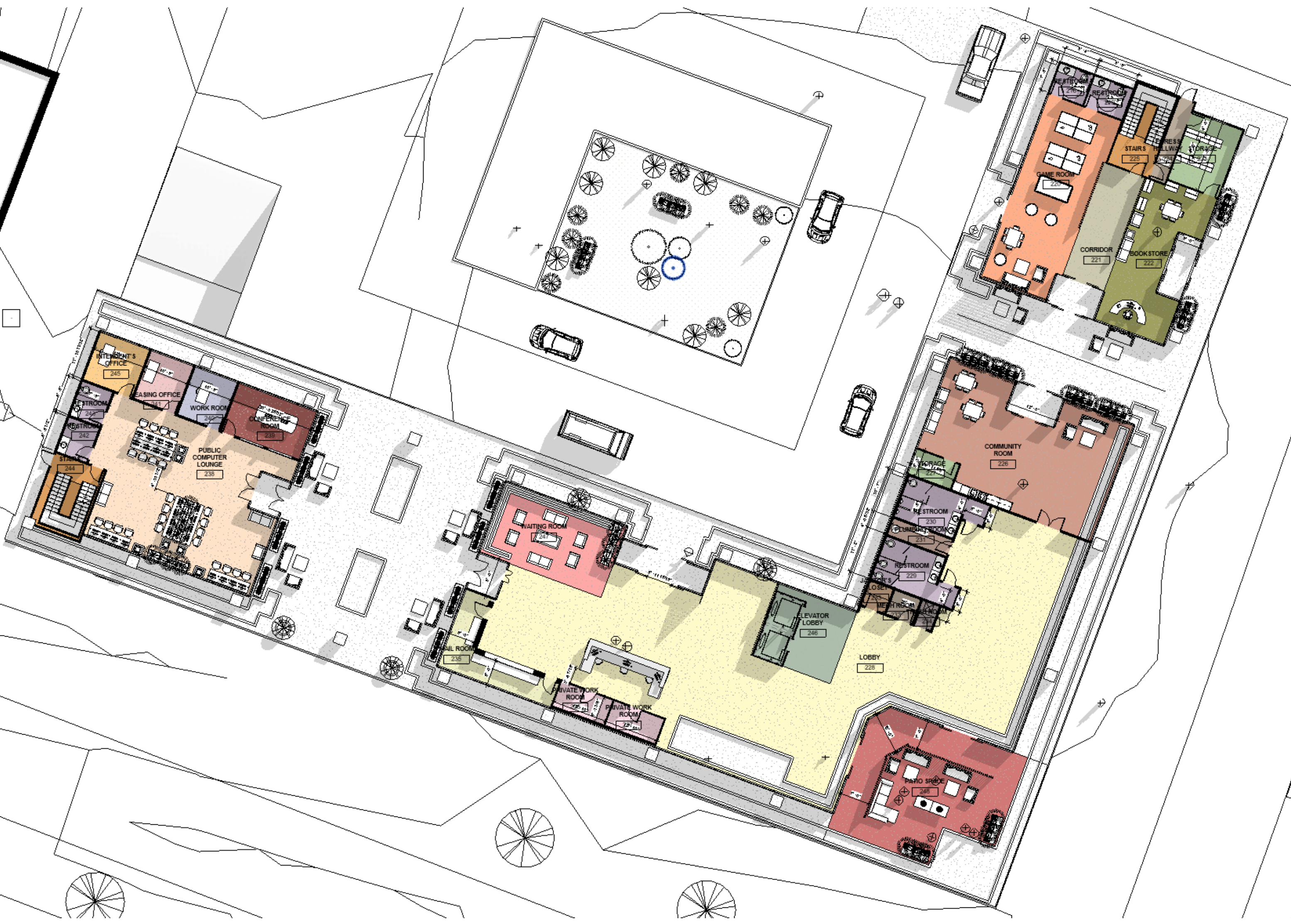


PORCH APARTMENTS

PARKING/GROUND/ROOF PLANS

Room Legend

- ELEVATOR LOBBY
- MECH ROOM
- STORAGE
- TRASH ROOM
- UTILITIES
- WATER PUMP ROOM



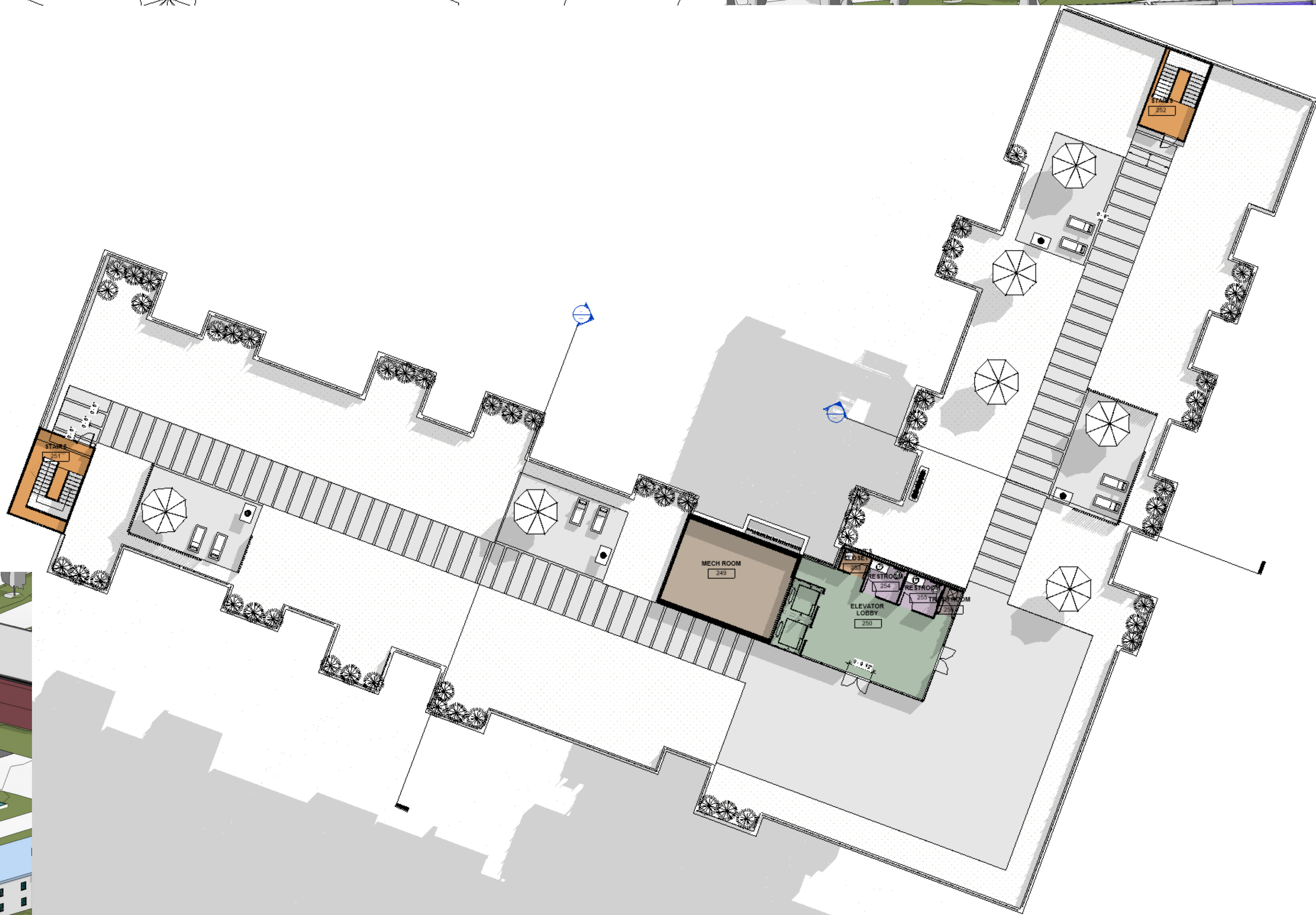
Room Legend

- BOOKSTORE
- COMMUNITY ROOM
- CONFERENCE ROOM
- CORRIDOR
- EGRESS HALLWAY
- ELEVATOR LOBBY
- GAME ROOM
- INTENDENT'S OFFICE
- JANITOR'S CLOSET
- LEASING OFFICE
- LOBBY
- MAIL ROOM
- MECH ROOM
- PATIO SPACE
- PLUMBING ROOM
- PRIVATE WORK ROOM
- PUBLIC COMPUTER LOUNGE
- RESTROOM
- STAIRS
- STORAGE
- TRASH ROOM
- WAITING ROOM
- WORK ROOM



Room Legend

- ELEVATOR LOBBY
- JANITOR'S CLOSET
- MECH ROOM
- RESTROOM
- STAIRS
- TRASH ROOM

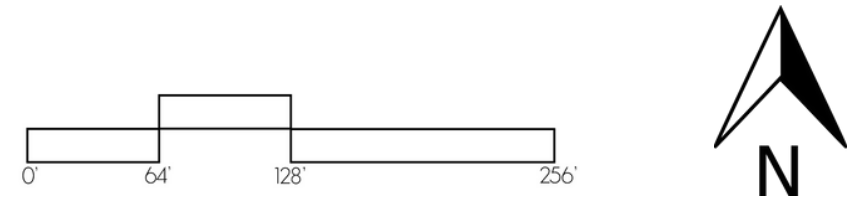
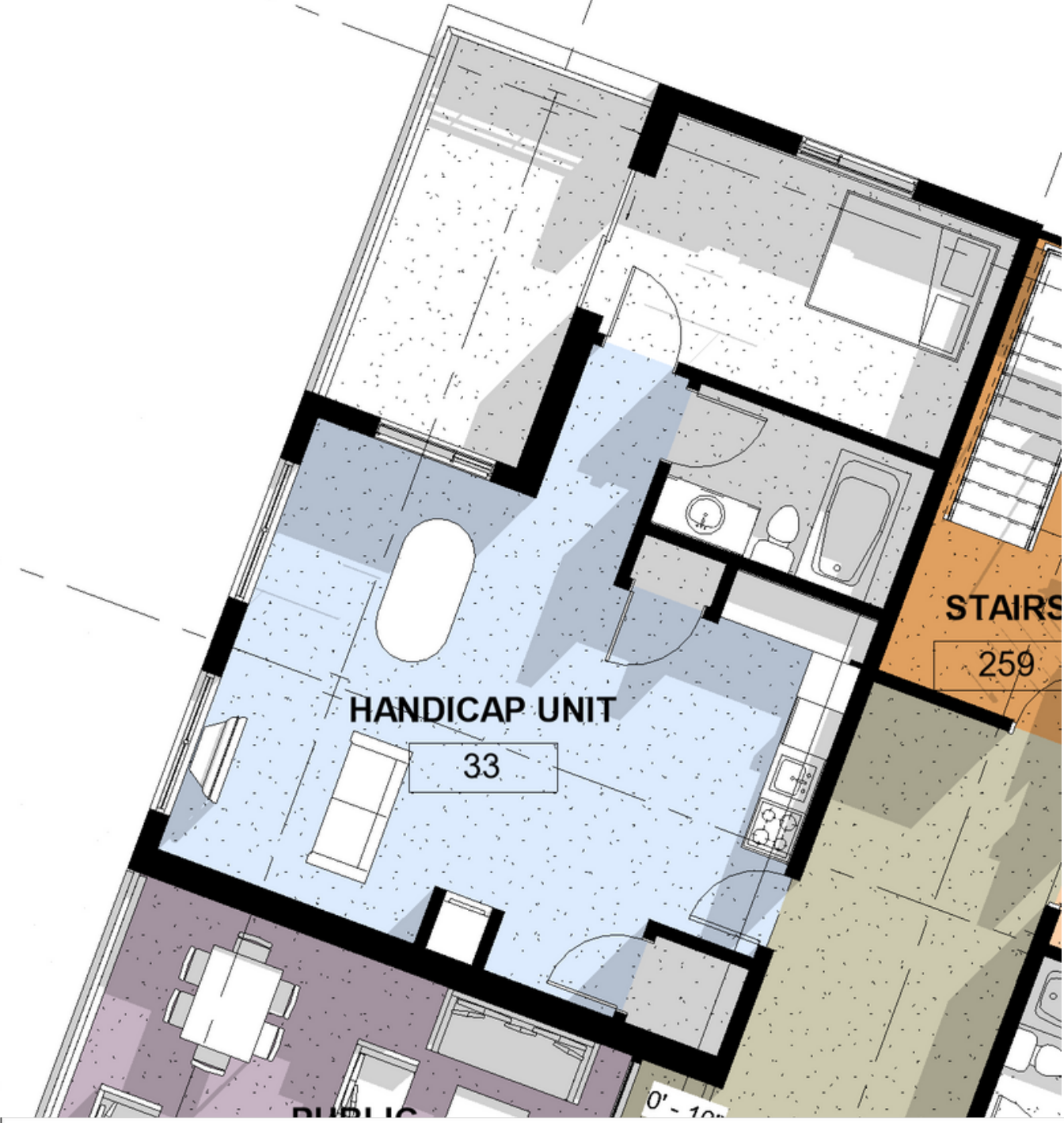
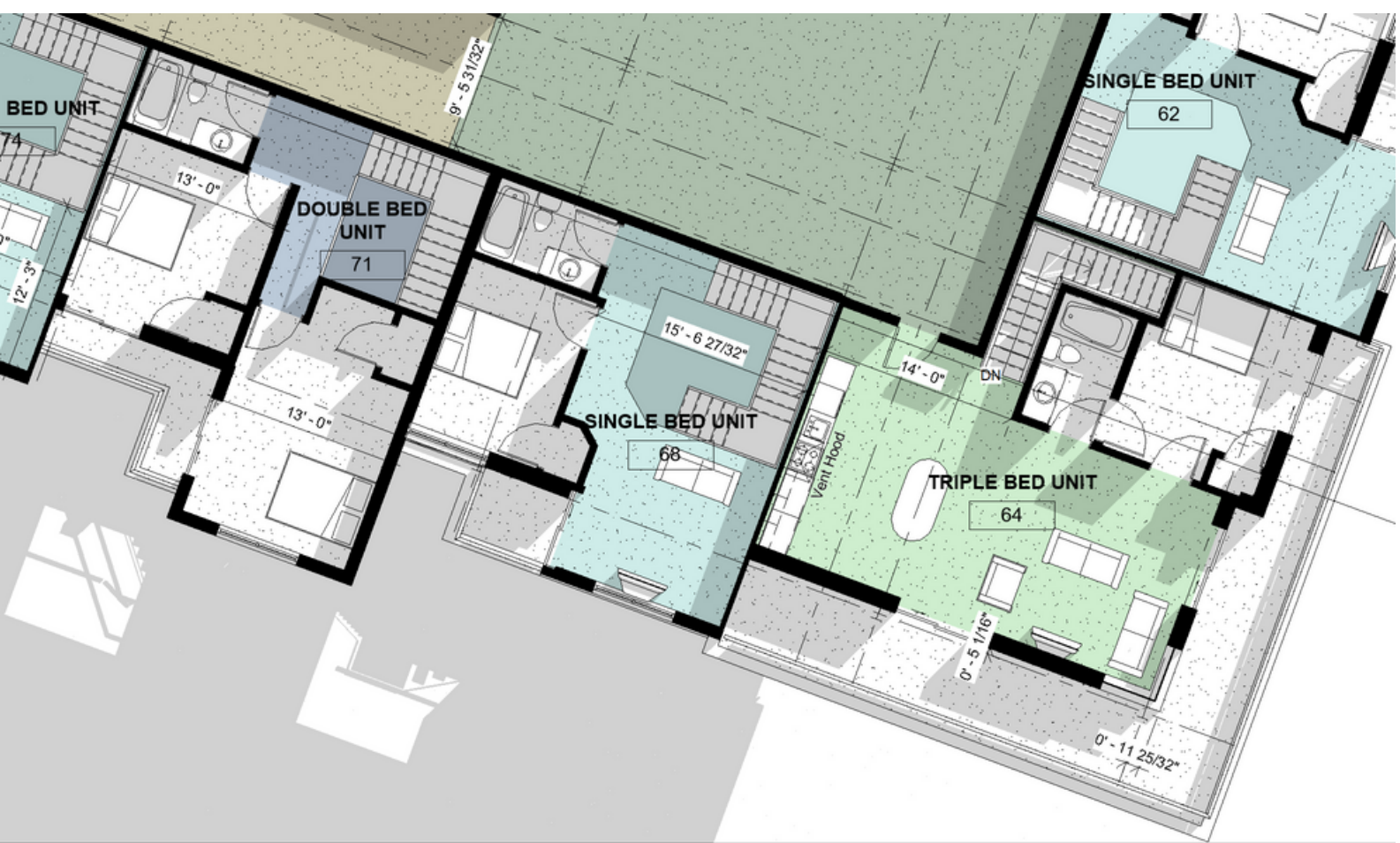


PORCH APARTMENTS

FIRST/SECOND/THIRD/FOURTH RESIDENTIAL FLOOR PLANS

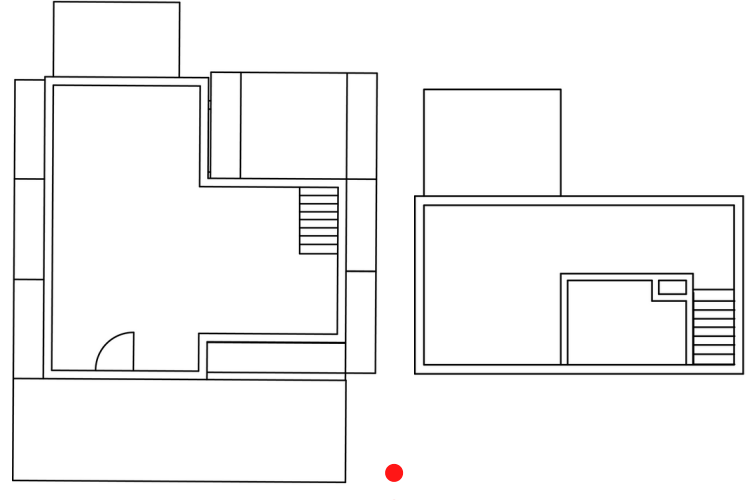
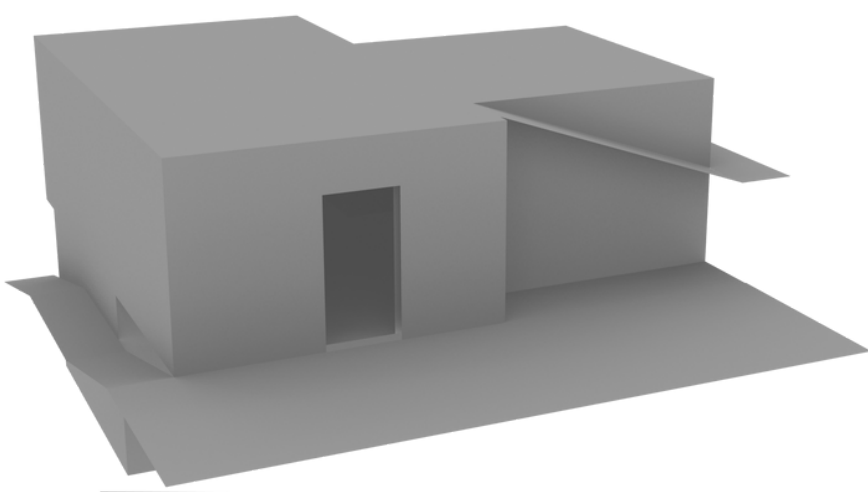
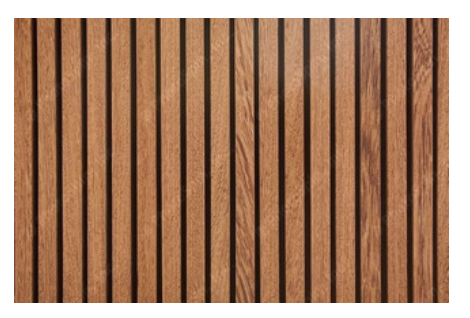
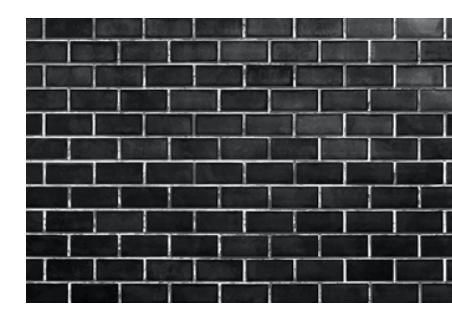
Room Legend

- BREEZEWAY
- CORRIDOR
- DOUBLE BED UNIT
- ELEVATOR LOBBY
- GYM
- HANDICAP UNIT
- JANITOR'S CLOSET
- MECH ROOM
- PUBLIC BREEZEWAY
- SINGLE BED UNIT
- STAIRS
- TRASH ROOM
- TRIPLE BED UNIT

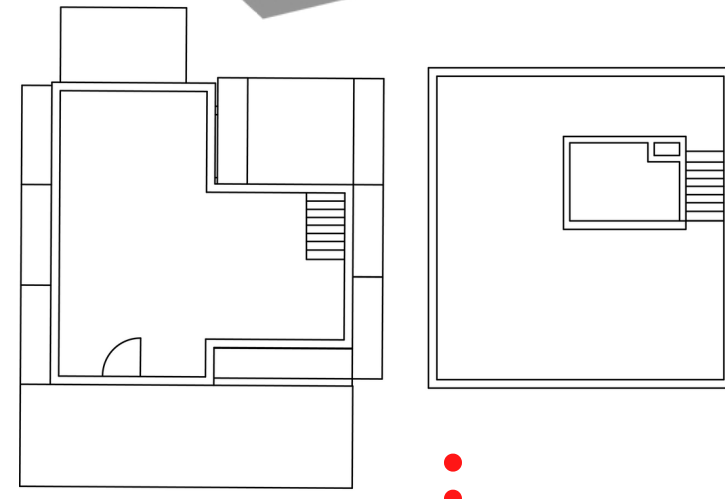
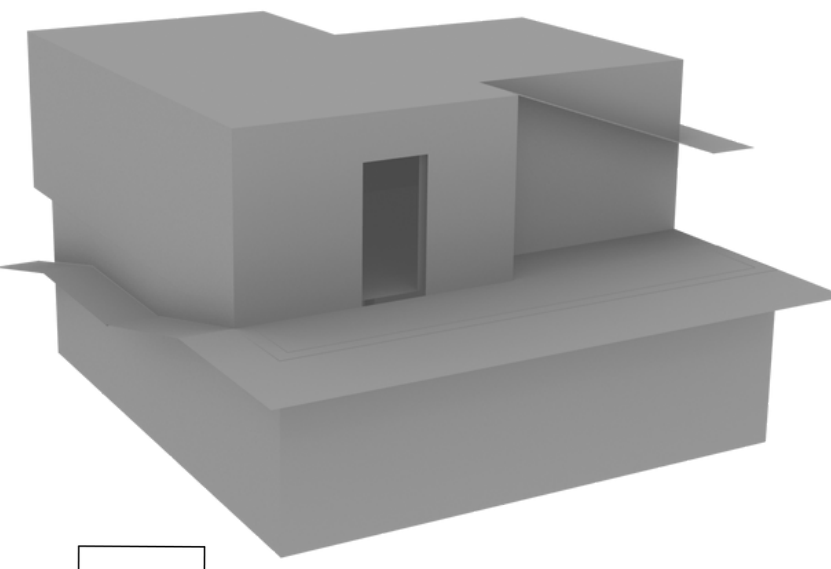


PORCH APARTMENTS

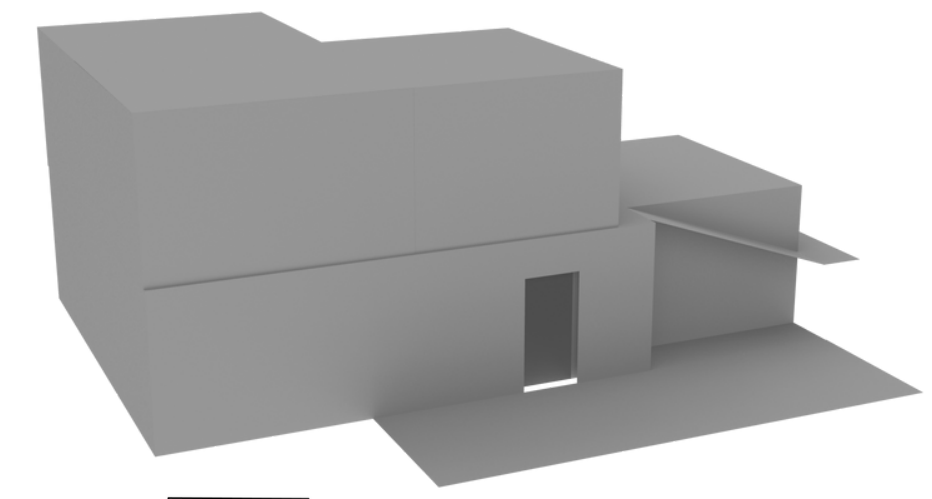
UNIT DESIGNS/ SUSTAINABLE STRATEGY



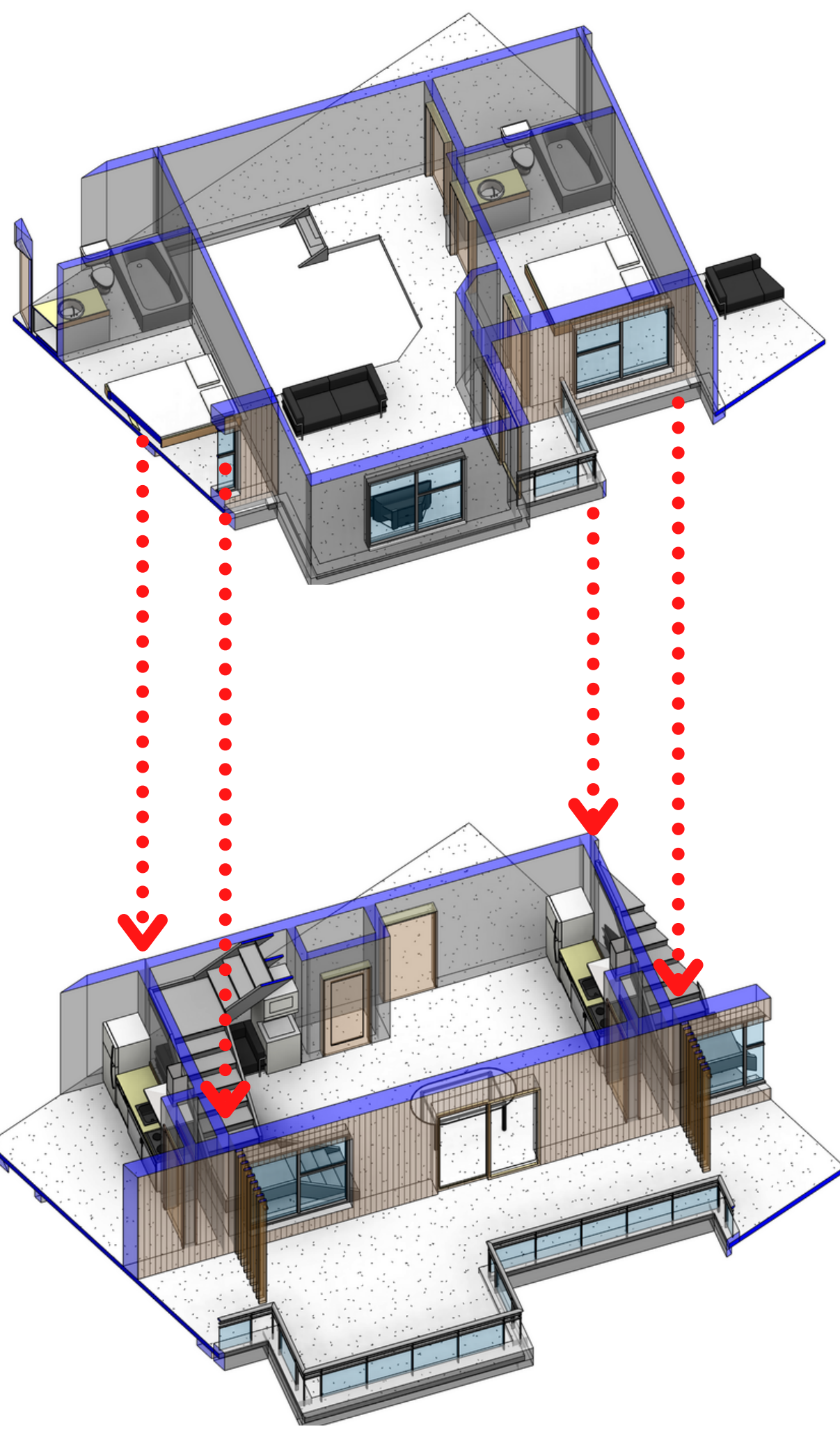
ORIGINAL DESIGN



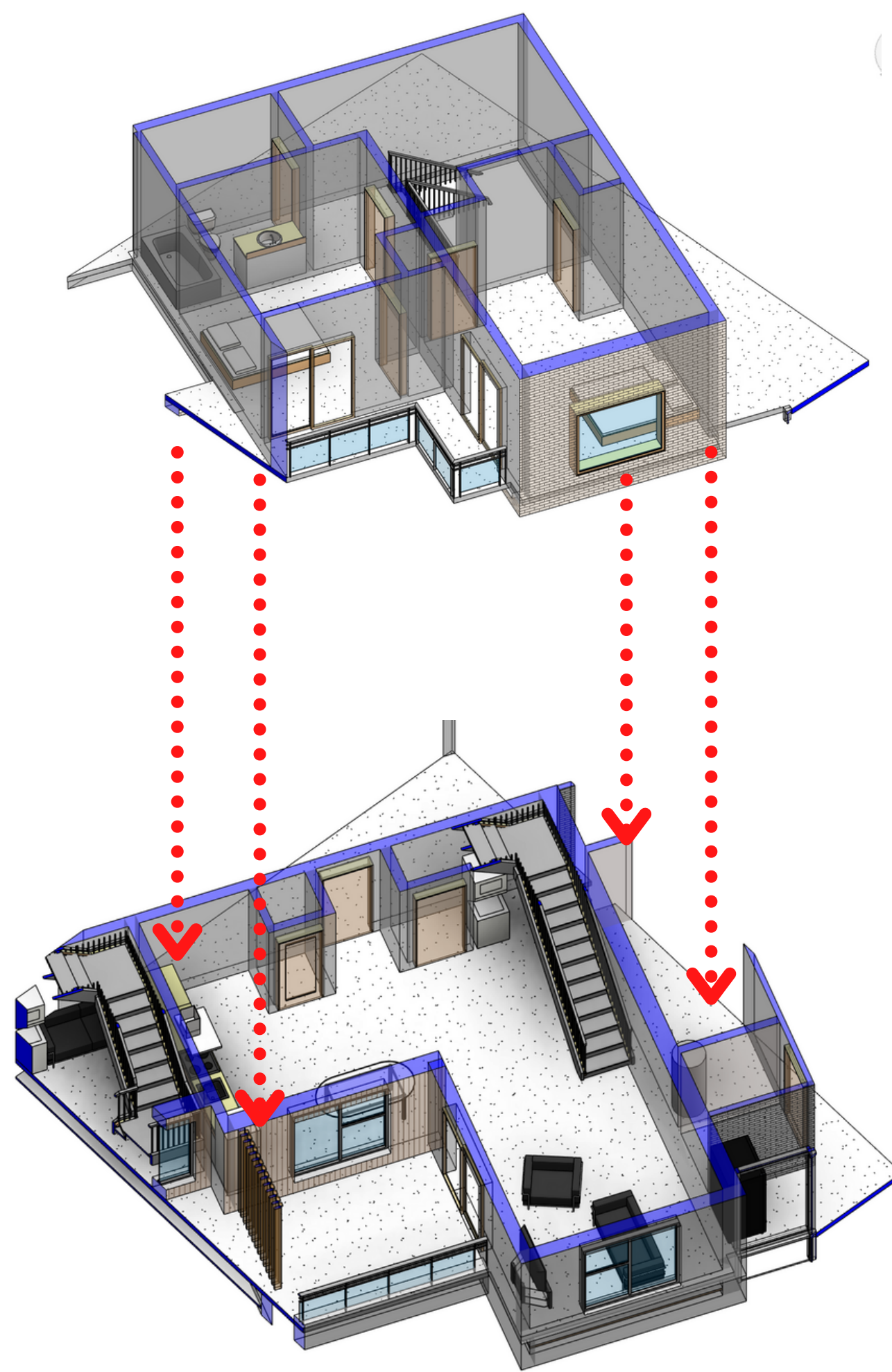
ORIGINAL DESIGN



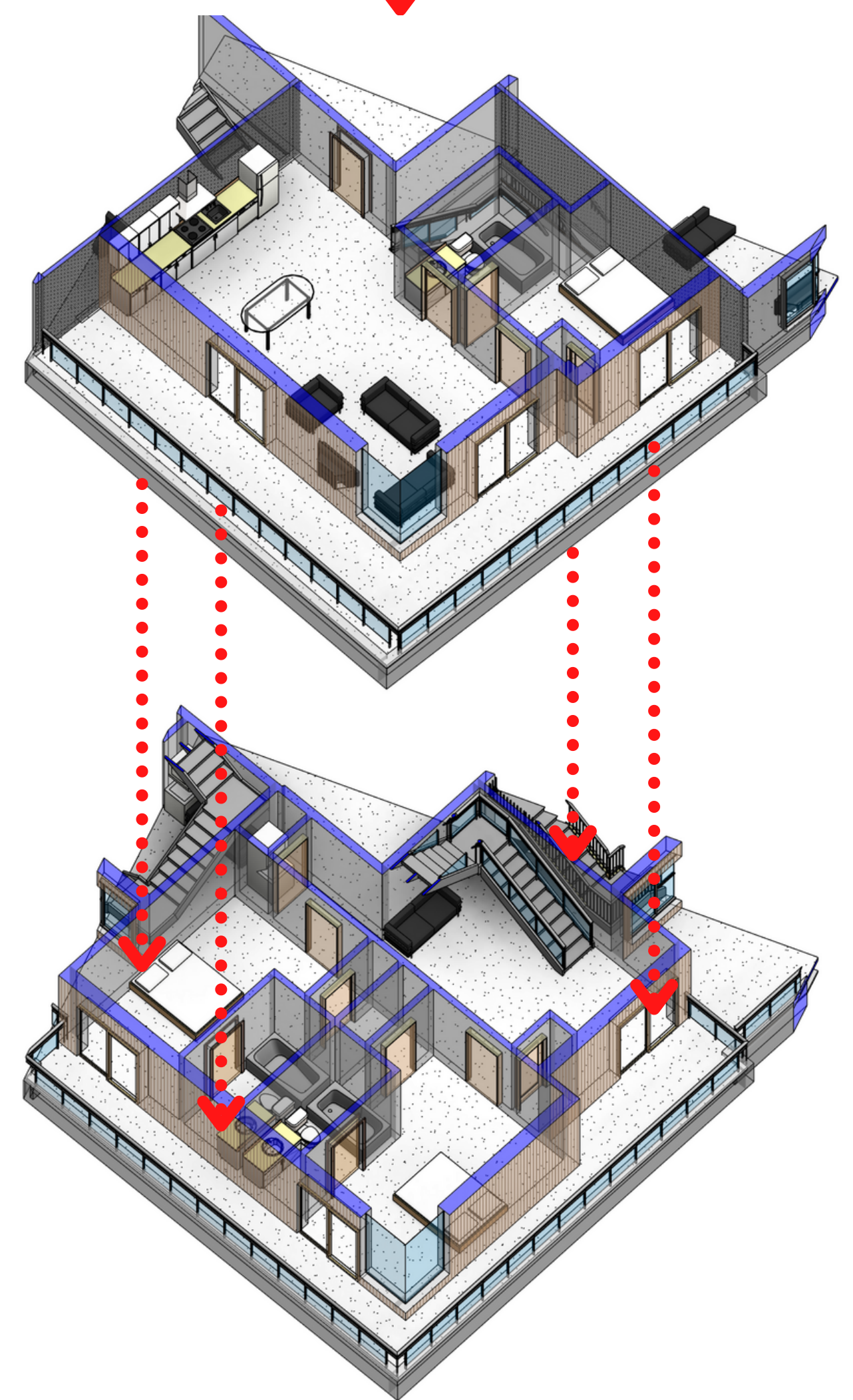
ORIGINAL DESIGN



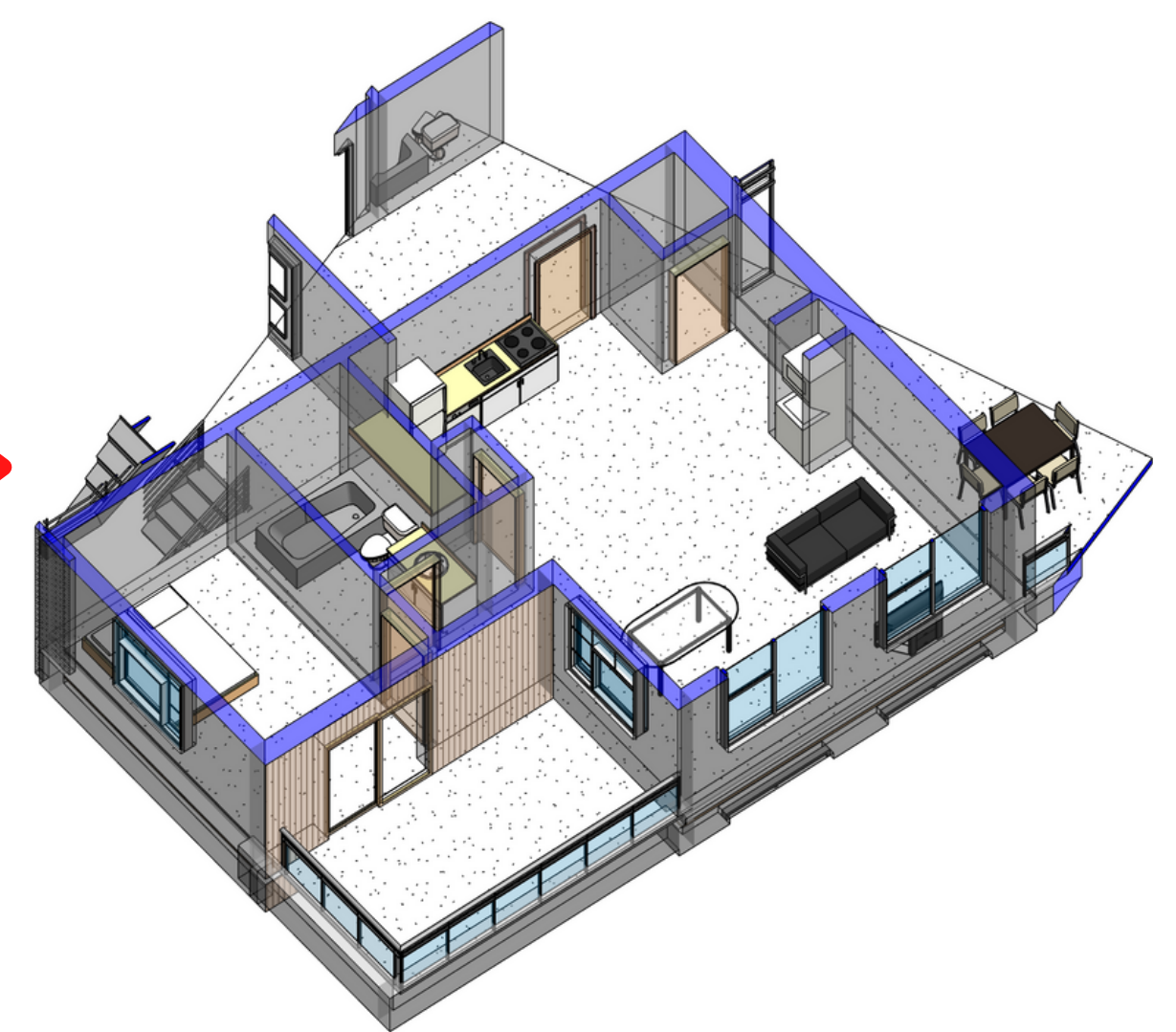
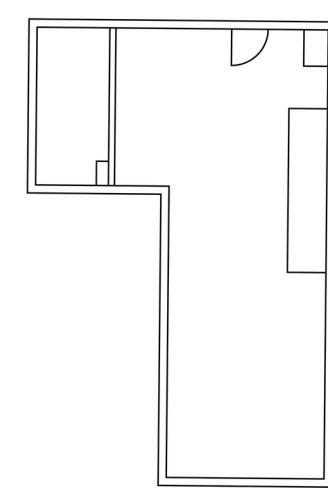
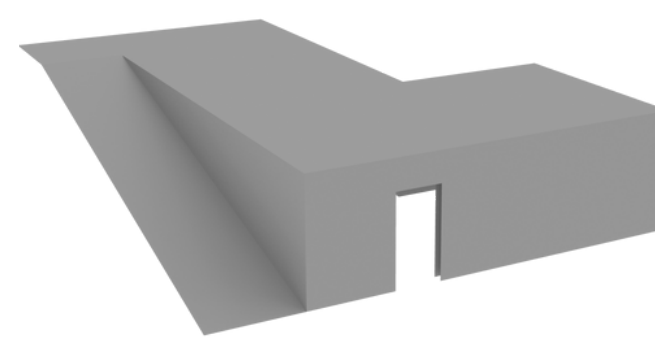
Single Bedroom Unit



Double Bedroom Unit



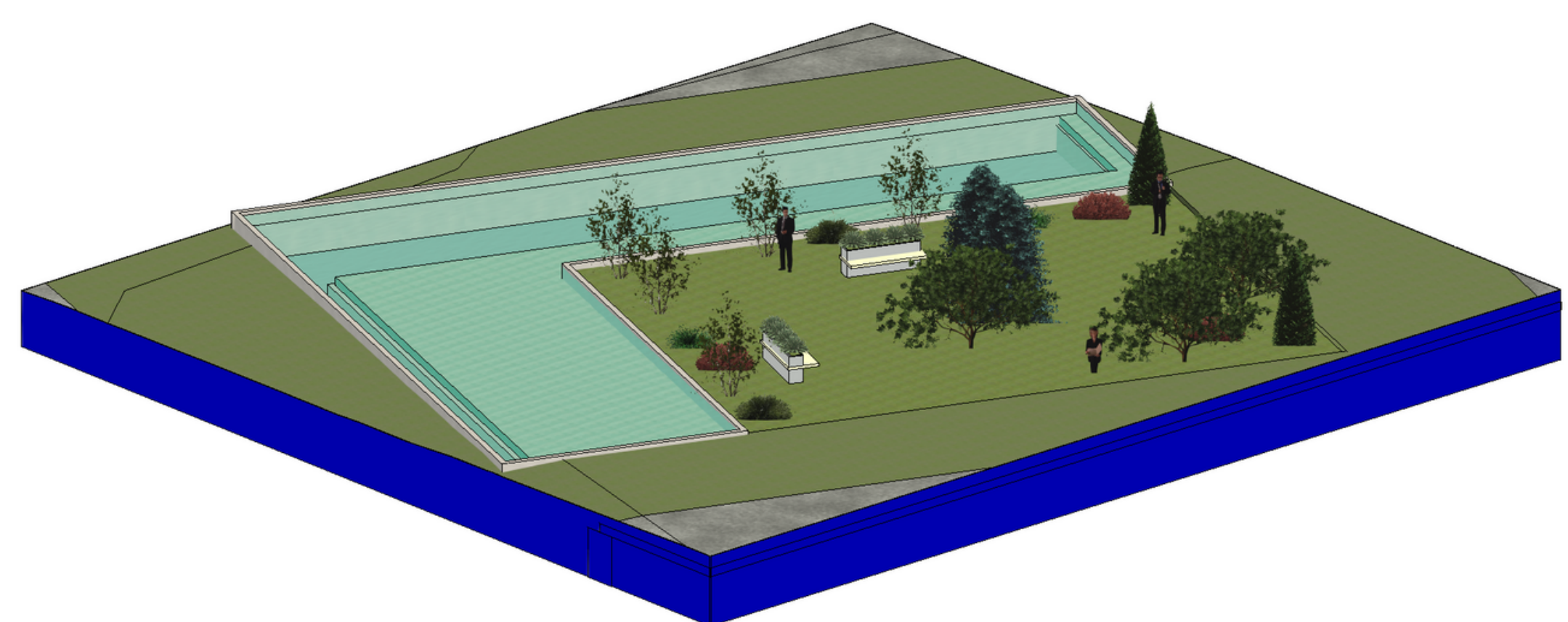
Triple Bedroom Unit



Handicap Accessible Unit



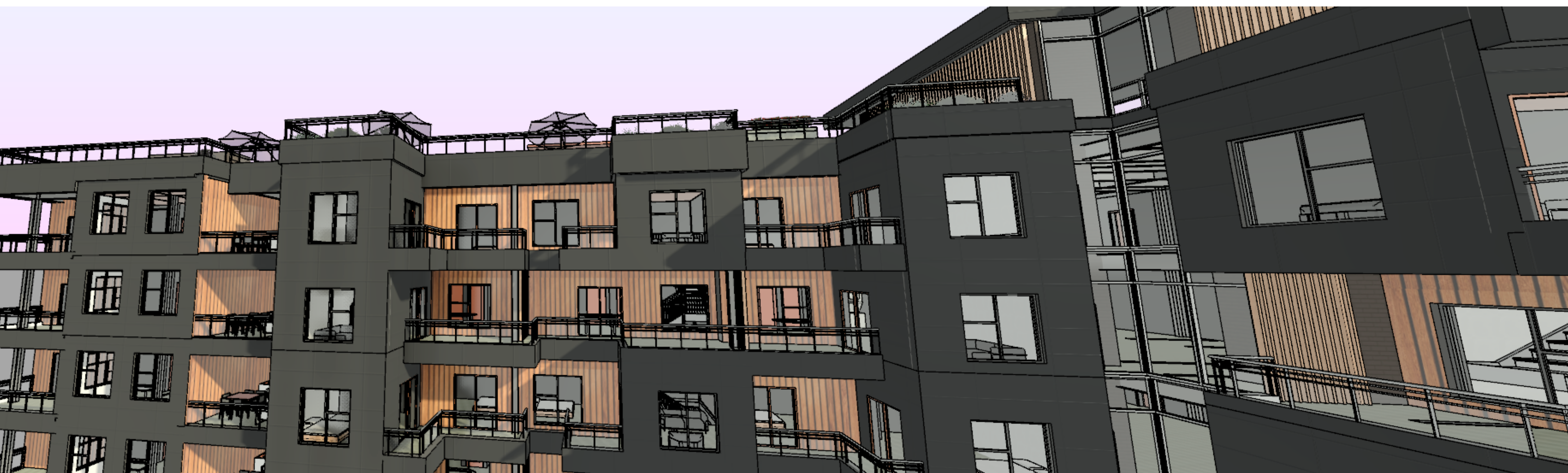
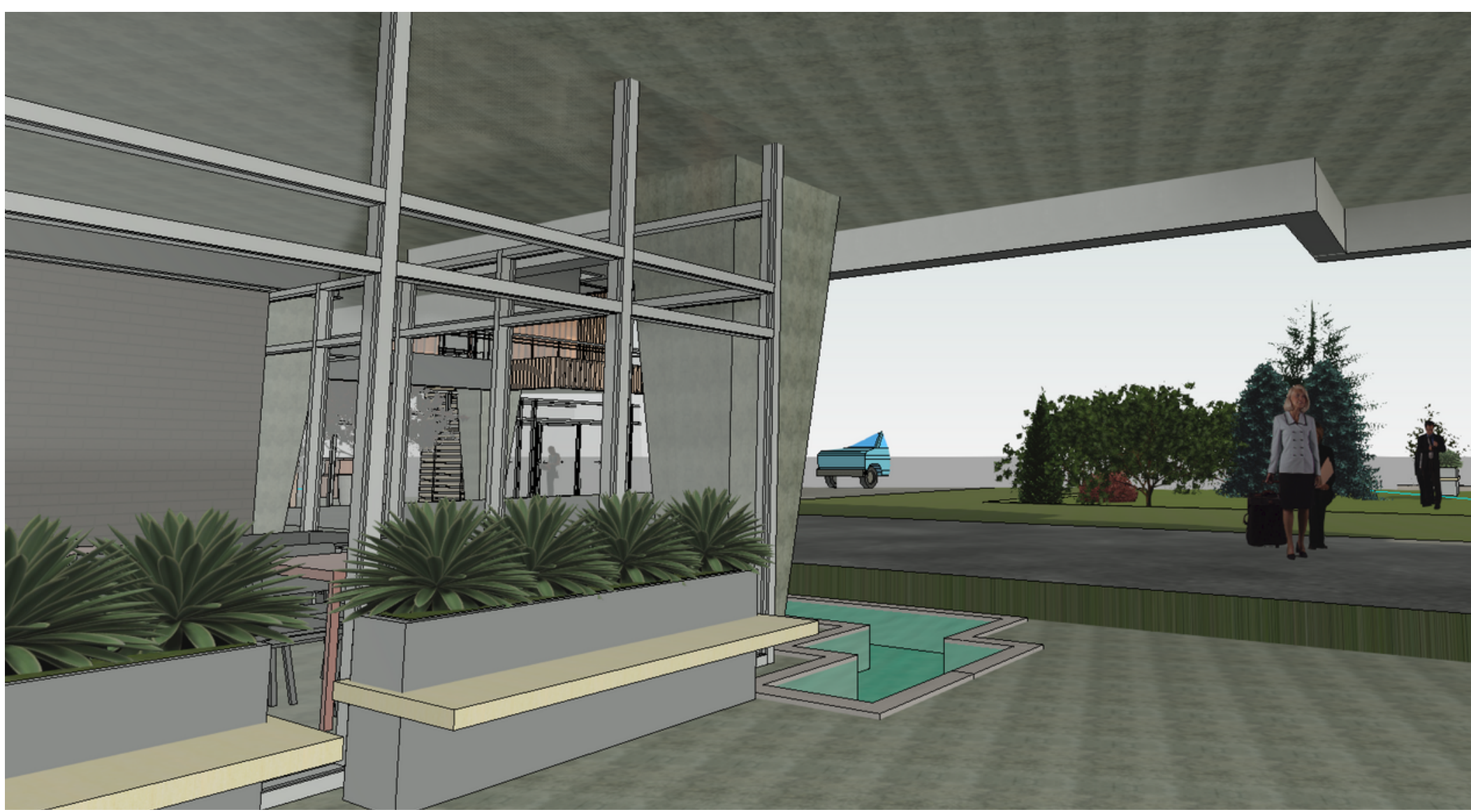
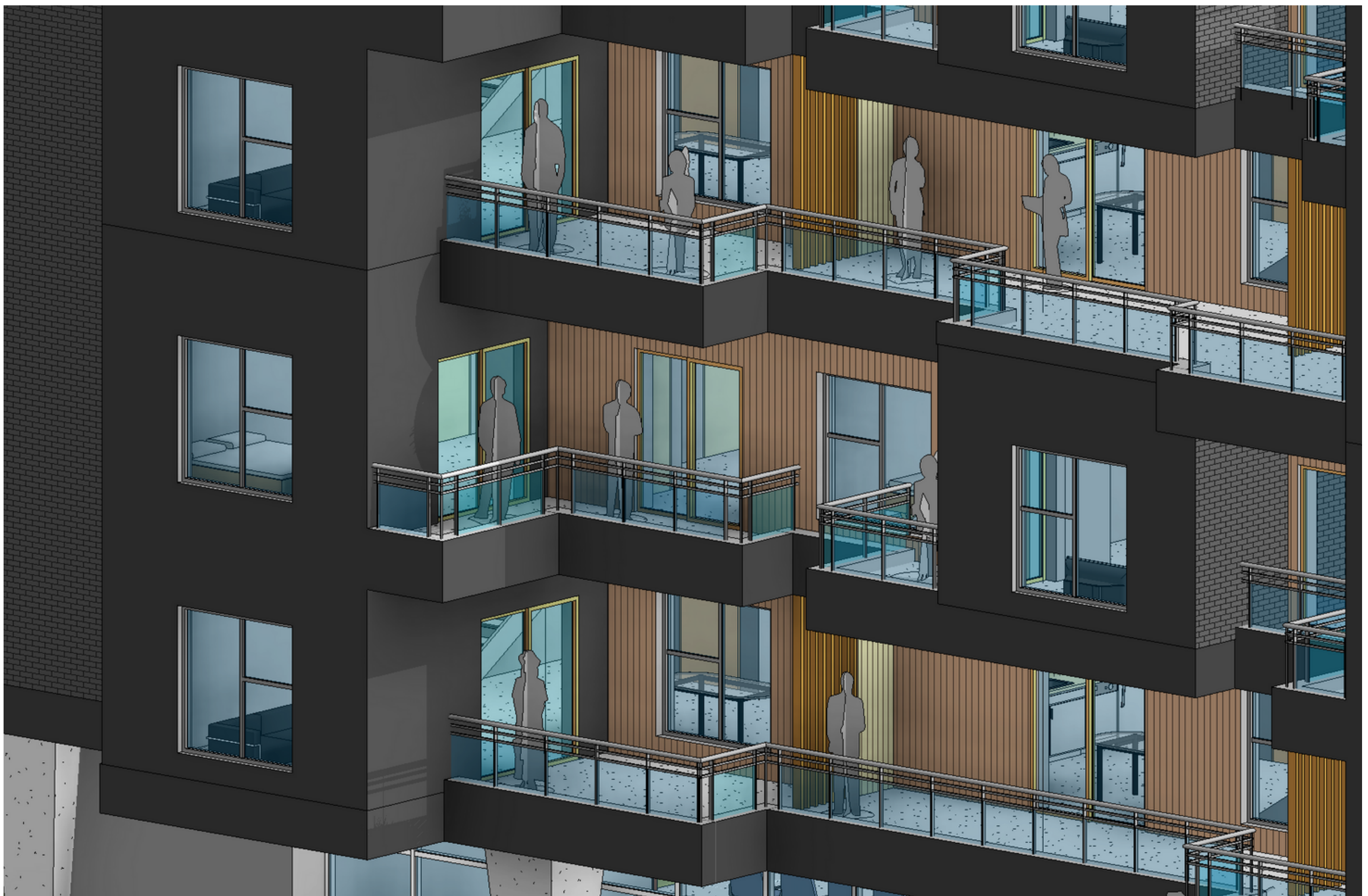
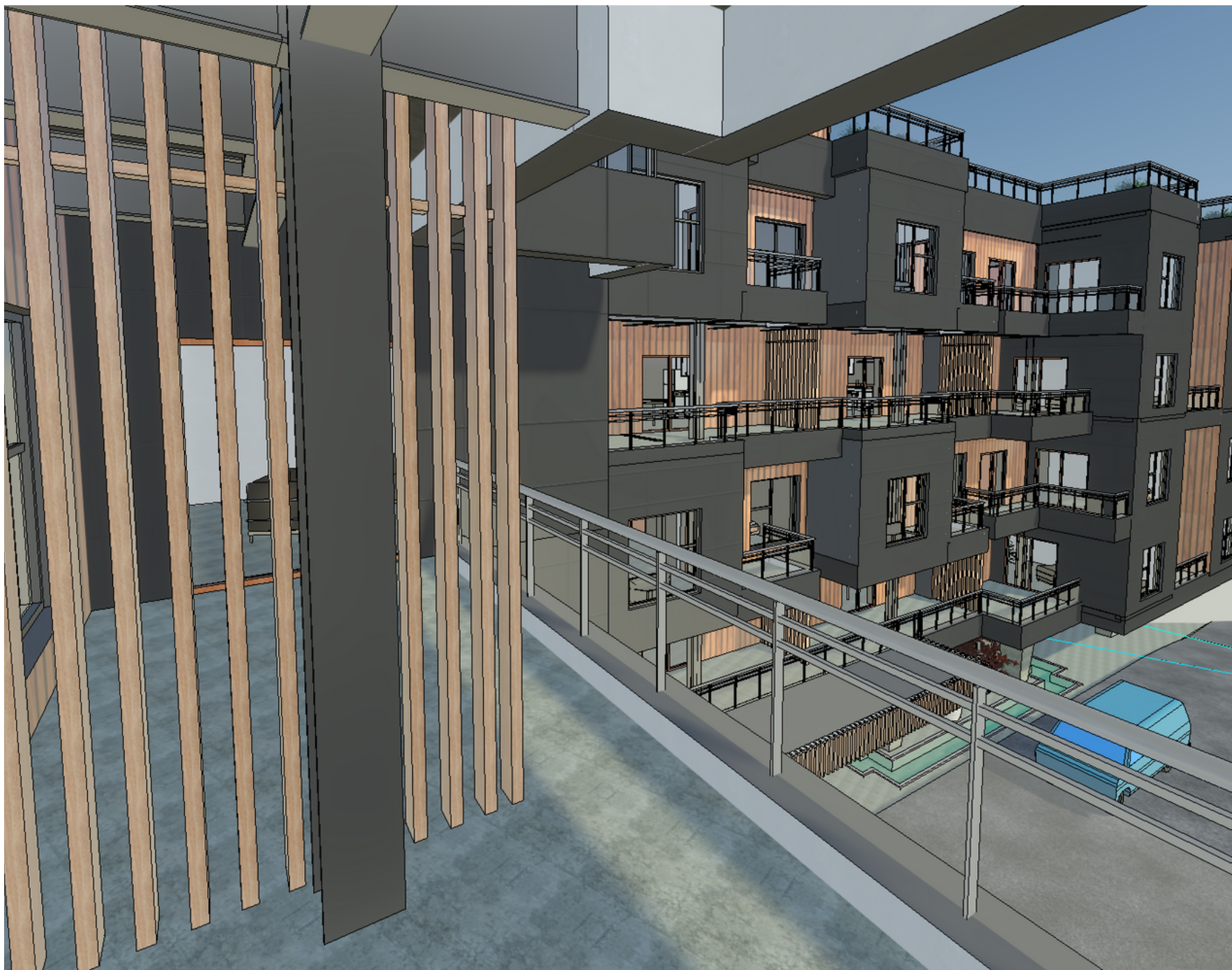
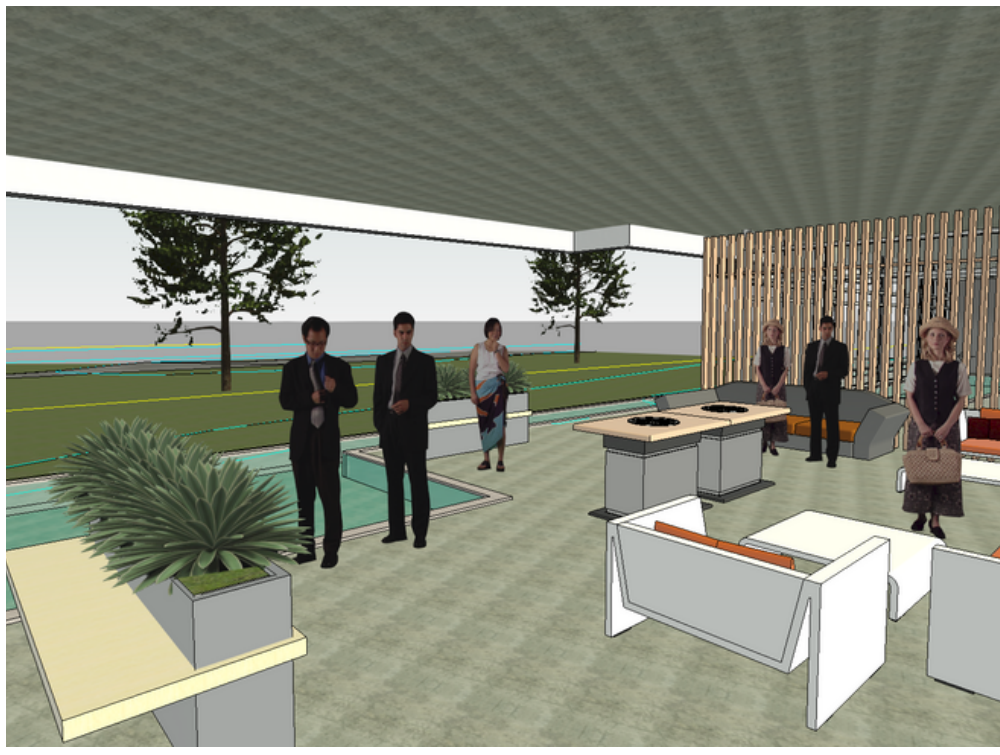
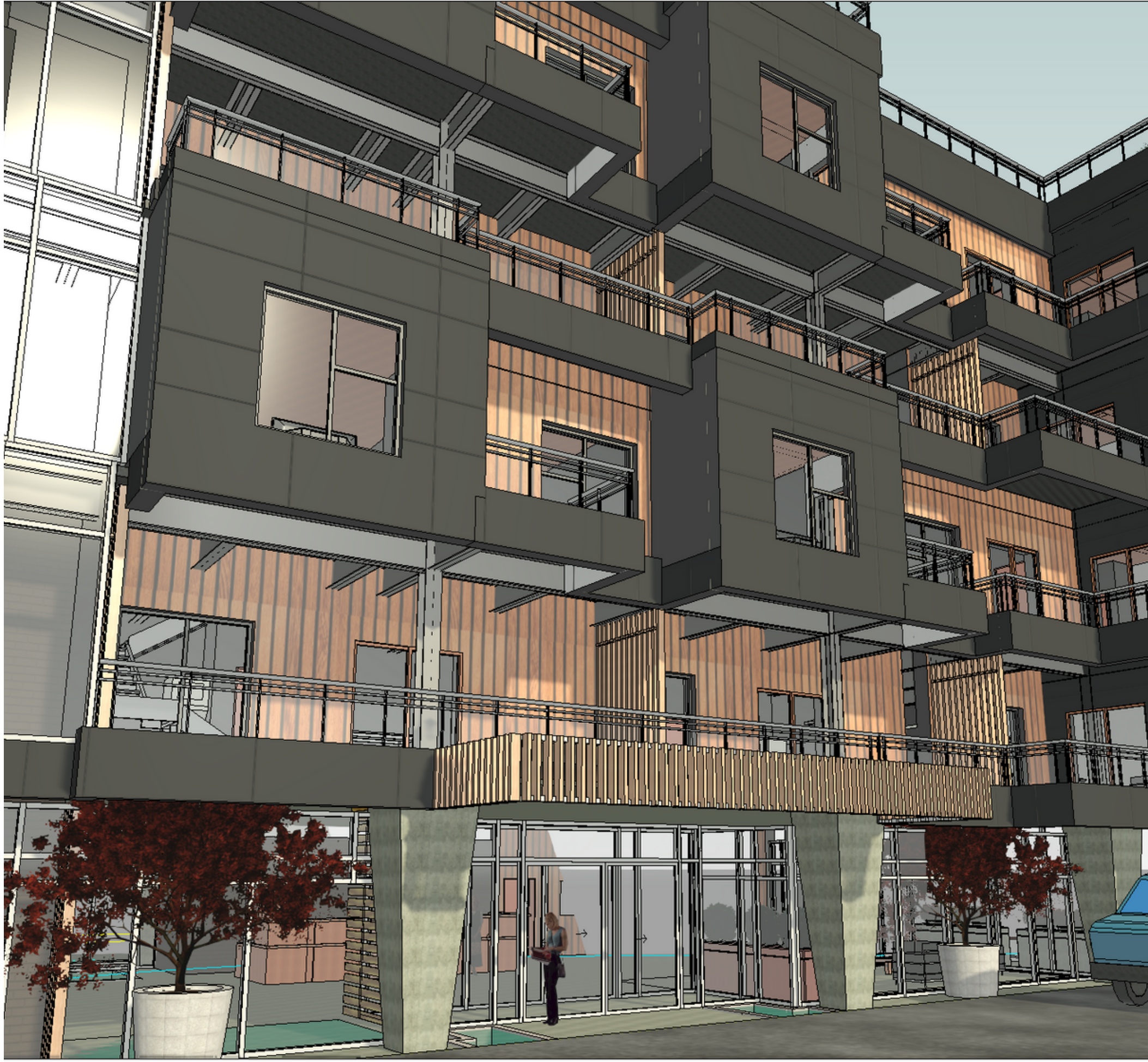
Resilient strategies designed with the economy of the building on the site, as well as the beautification of the site itself were implemented. Augmenting resilient and sustainable design help to emphasize this building's response.



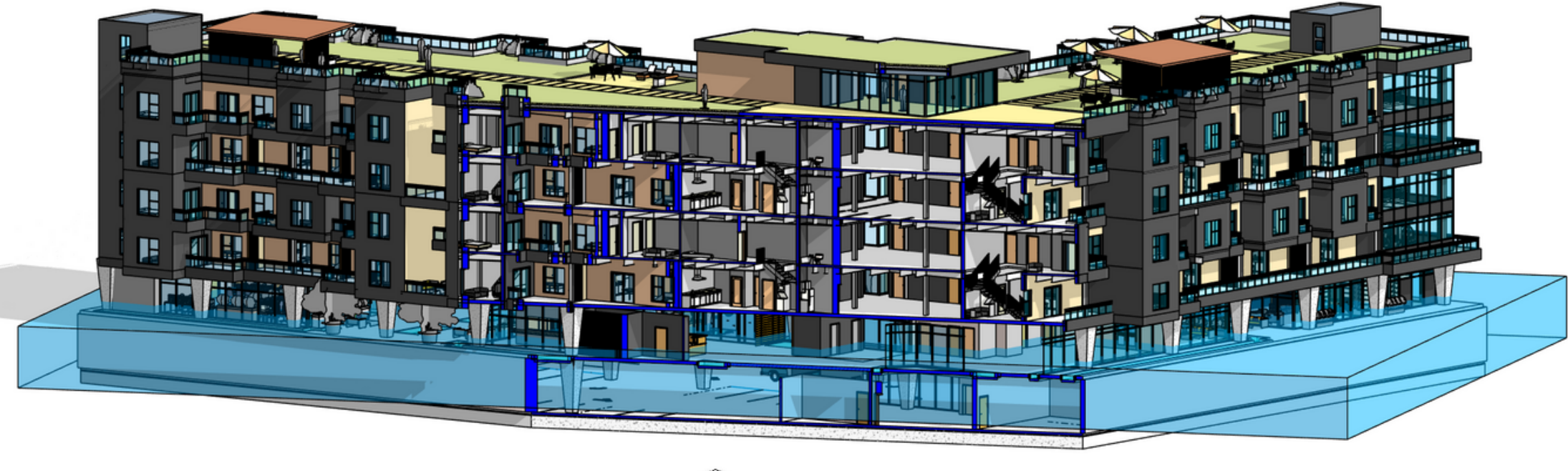
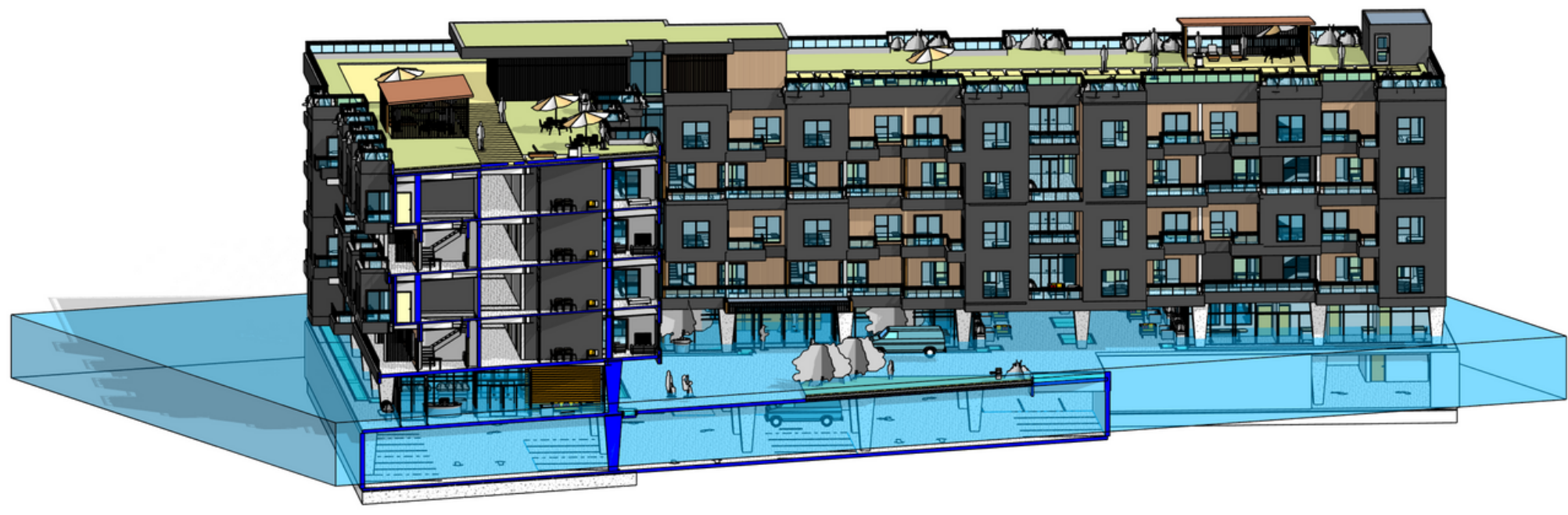
Other responses: Dry and semi-sacrificial parking garage, flood channels

PORCH APARTMENTS

VIEWS



PORCH APARTMENTS RESILIENT RESPONSE



As the Berkley area will experience permanent flooding in the next hundred years, diagrams showing the building and site under **two feet of water**, were generated.

