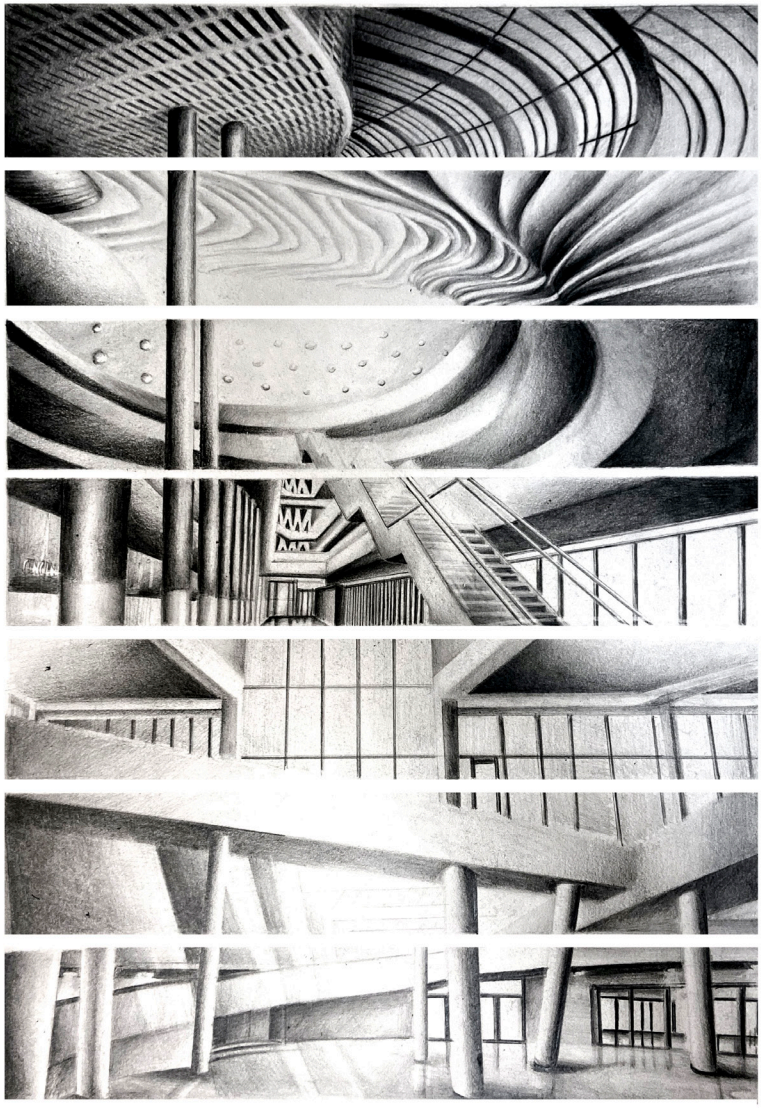

architectural portfolio

michelle loyola

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garden shed

Univeristy of Washington - Autumn Quarter 2020

In the heart of Ballard, a booming neighborhood in Seattle, Garden Shed is a the proposal for a mixed-use residential project on the corner of 56th and NW Market Street.The ground floor of Garden Shed consists of retail and commercial spaces that are orientated around the exterior and surrounding landscape.

The corner of 56th and Market is accentuated with the building form, additionally the open second floor provides opportunities for public programming to expand above the ground floor.

The ground floor span consists of retail and commercial spaces that provide a “shotgun” view and public access into the interior courtyard. The south façade spills and emphasizes the pedestrian walkway with kinetic features on the façade, such as rotating garage doors that extend into the streetscape and provide covered spaces for future restaurants and bars.



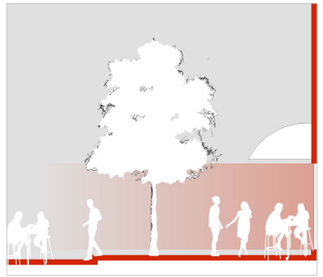








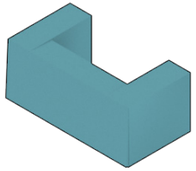

use map - highlights the frequency and type of projects found in the area of study in Ballard. Area of study is bounded by NW 58th Street and 17th Ave NW. NW Market street holds the majority of public use projects, while North Ballard is mostly residential. Site D highlighted in red, site for future mixed-used residential project. Site is shared with other residential projects such as Wilcox and Greenfire Apartments.



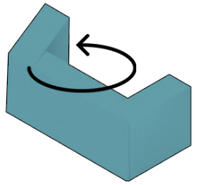

active ground floor sections

- ground floor spills onto sidewalk.
- visual transperency into ground floor use.
- frequent building entryways.
- retail encourages pedestrians to walk inside.
- windows showcase program, creating a transparent streetwall.

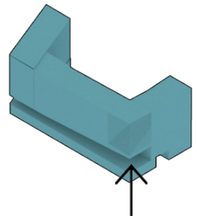
concept development diagram



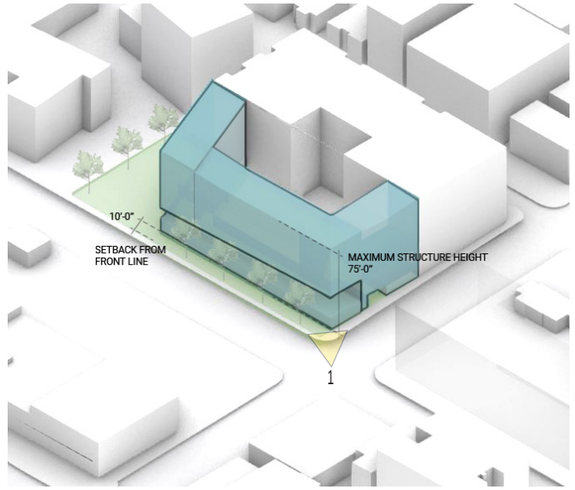
standard u-shaped building form, responds to residential-courtyard to the north, provides daylighting to northern units, and opportunity for exterior circulation.



left wing angled provides southern daylight to units on the west facade.



corner is pushed up, opening the second floor and extending the ground commercial spaces onto the second floor. Allows for views into the courtyard and onto 56th Street.



site d constraints

site has a 75' height constraint, additionally building is pushed back 10' from the property line to expand pedestrian walkways while simultaneously allowing commercial spaces to extend into the street. The FAR of the project is 5.0, with the maximum being 5.5 and minimum being 4.5.



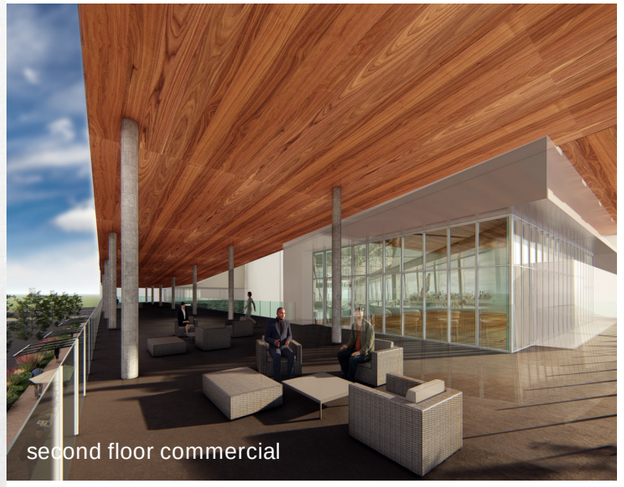
1: perspective view from the corner of 56th and nw market street



ground floor 1/16”= 1’-0”

1. residential lobby
2. mixed-use commercial space
3. gym
4. yoga classroom
5. cafe
6. bicycle storage
7. mailroom
8. egress
9. courtyard
10. extended commercial space


lobby entrance


second floor commercial

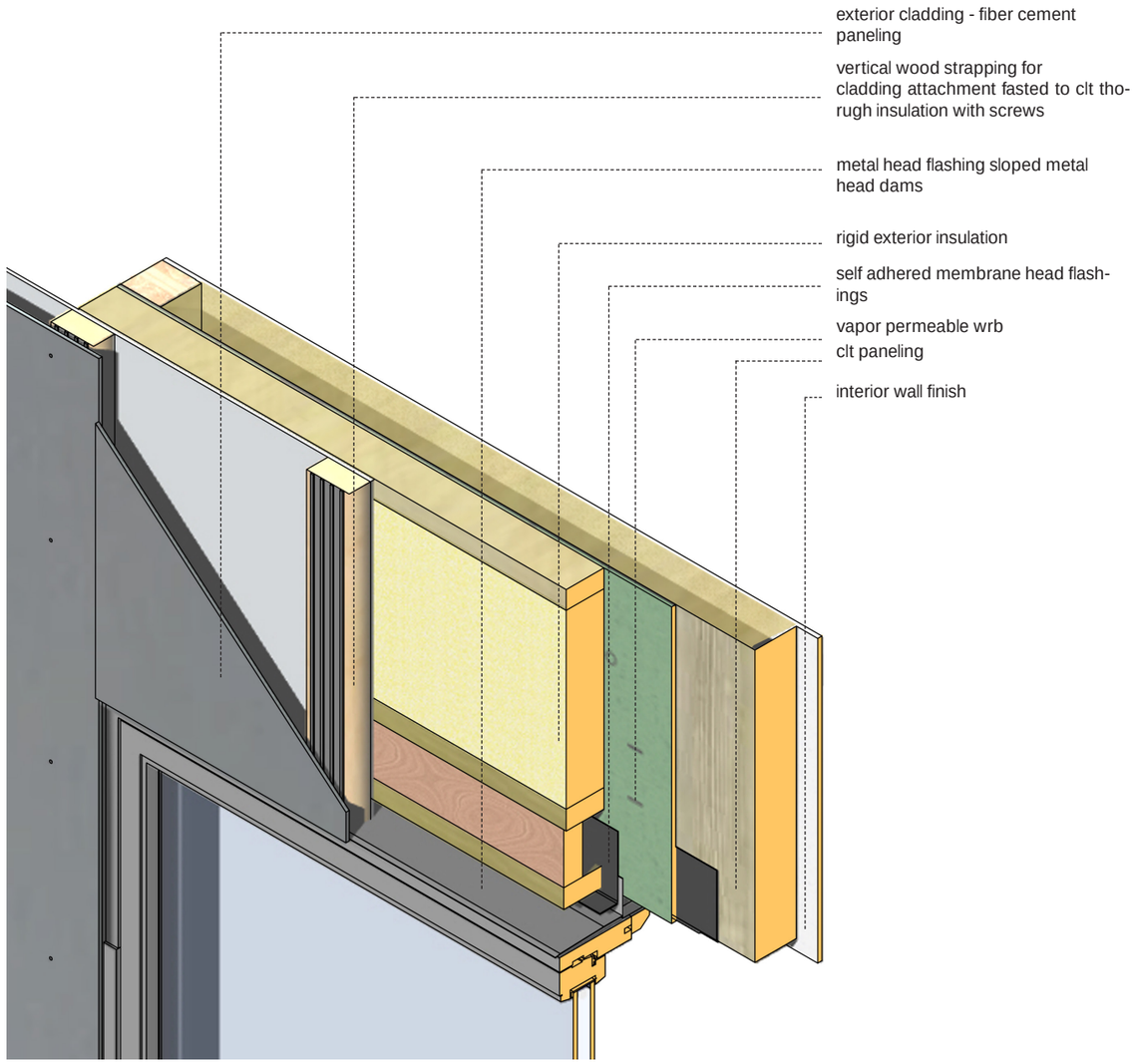

ground floor commercial

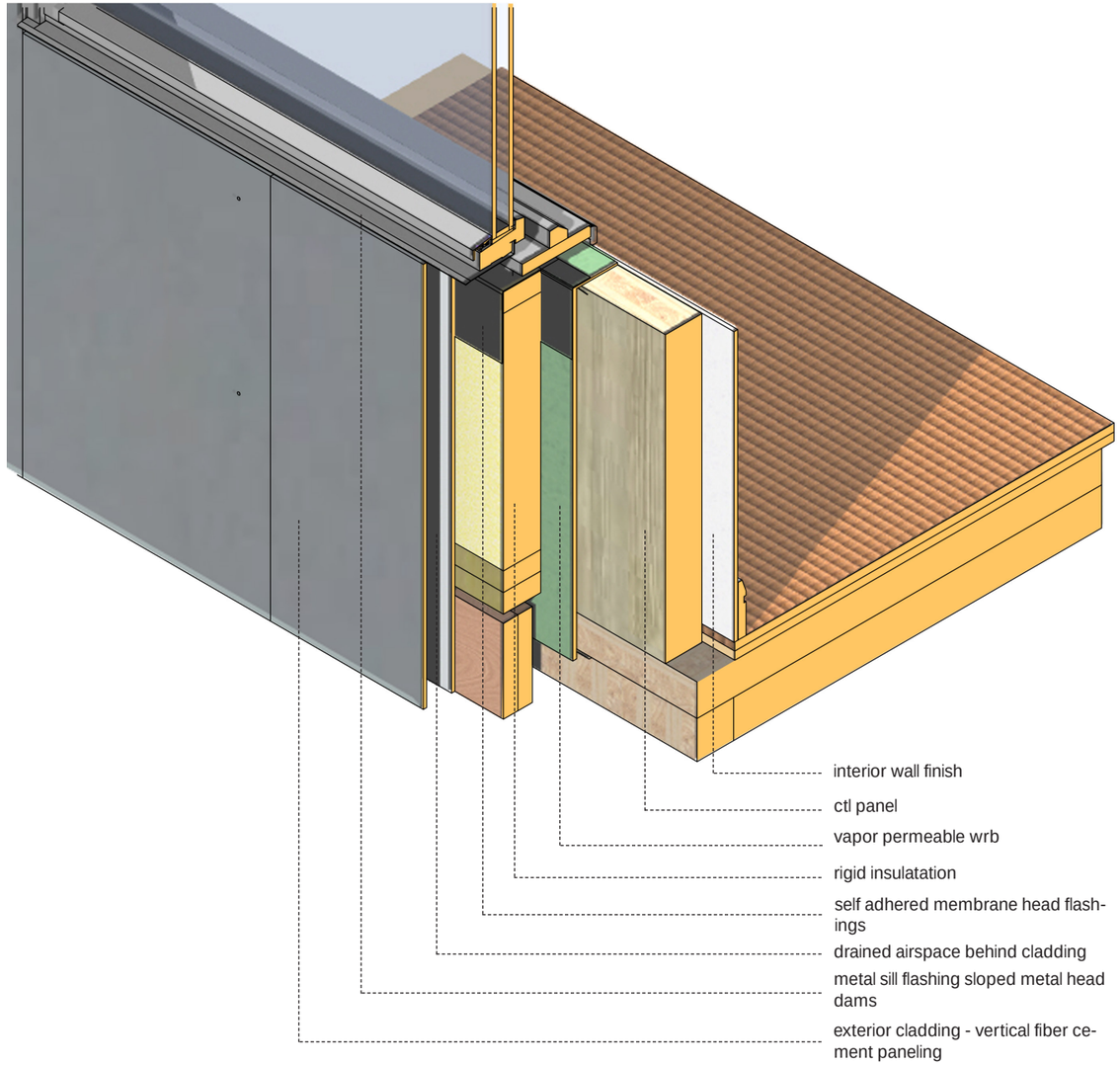

mailroom


lobby


view from 56th and nw marketstreet

window head detail scale = 1 1/2” = 1’-0”





window sill detail scale = 1 1/2” = 1’-0”

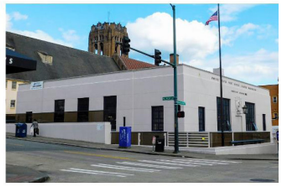


university center for history + art

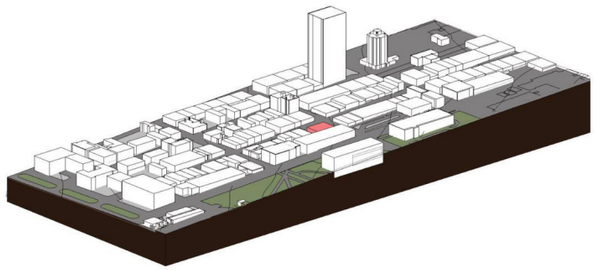
winter 2022

The post office is located in the heart of the university district, which originally dates back to 1937. the project aimed to repurpose the program for the post office while preserving elements of the building. The location is on a significant corner property but lacks a pedestrian connection. The concept was to design a new center for local history and arts, which focused on activating the ground floor and defining a prominent pedestrian connection. This was done by proposing a new structure that sweeps pedestrians from the street and provides an experiential sequence to the top. The path would surround the existing building and highlight areas of the exterior not previously experienced by the pedestrian. The program includes an auditorium, lecture space, galleries, offices, a cafe, and a top-level terrace.

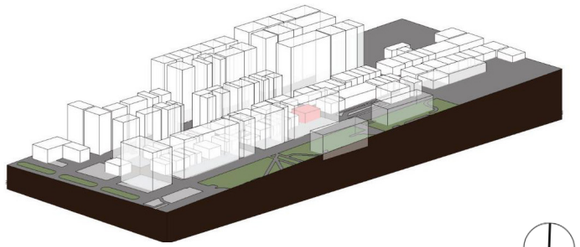




existing post office



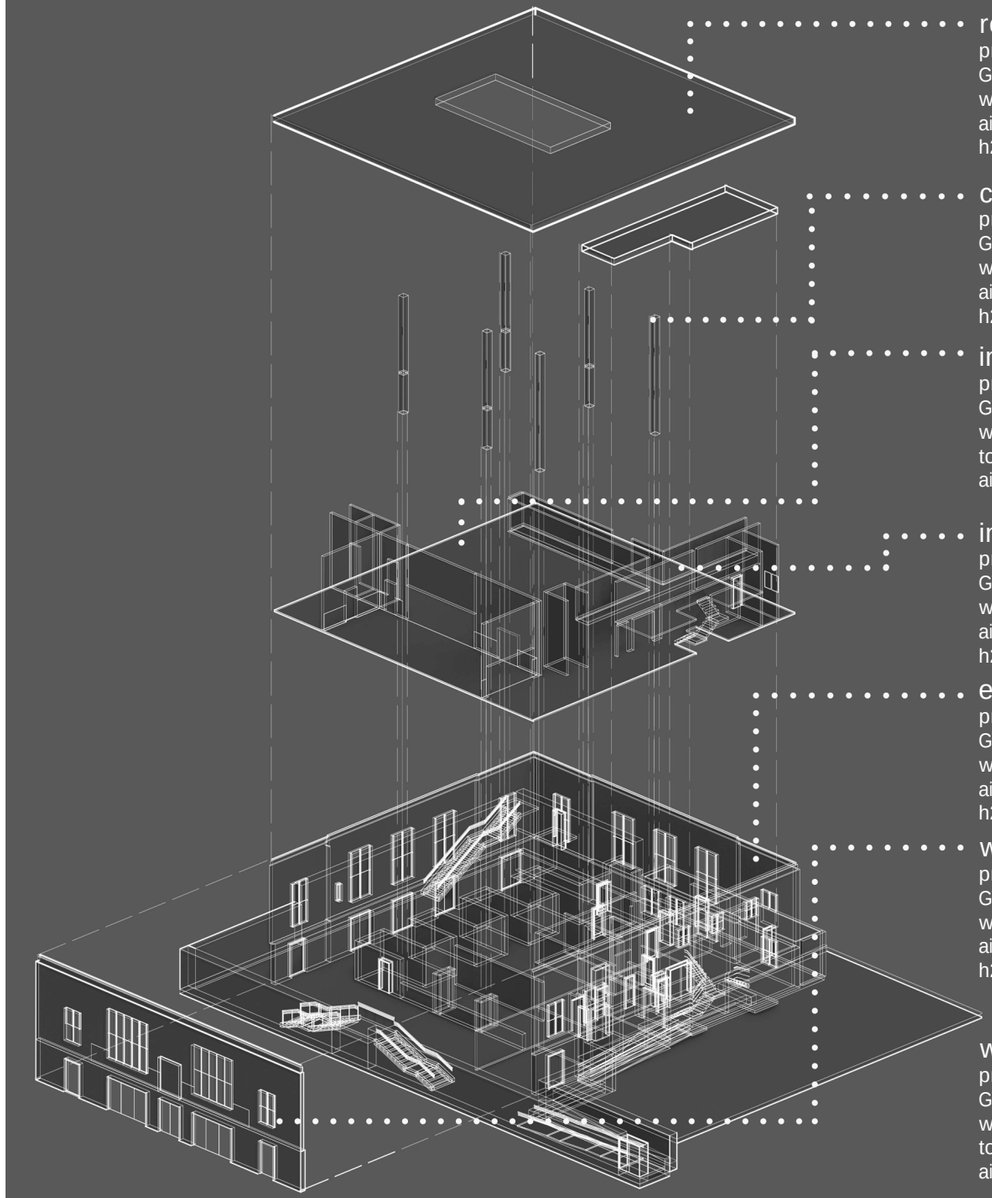
existing university district model



adopted zoning university district model



site extents



roof
primary energy: 6179 MMBtu
GWP: 316 tons
weighted resource use:1005 tons
air pollution index: 67950
h20 pollution index: 29.76

columns + beams
primary energy: 247 MMBtu
GWP: 20 tons
weighted resource use: 110 tons
air pollution index: 2777
h20 pollution index: 9.79

intermediate floors
primary energy: 3358 MMBtu
GWP: 351 tons
weighted resource use: 2315 tons
air pollution index: 54516

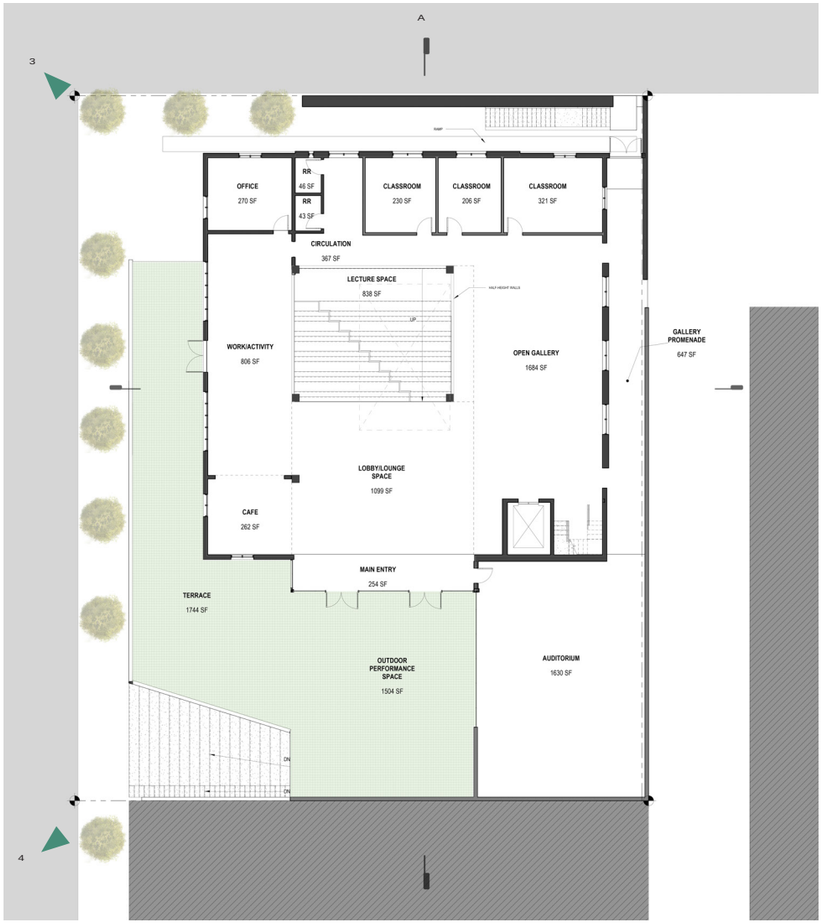
interior walls
primary energy: 563 MMBtu
GWP: 36 tons
weighted resource use: 83 tons
air pollution index: 8075
h20 pollution index: 26.93

exterior walls
primary energy: 2670 MMBtu
GWP: 281 tons
weighted resource use: 681 tons
air pollution index: 46107
h20 pollution index: 48172

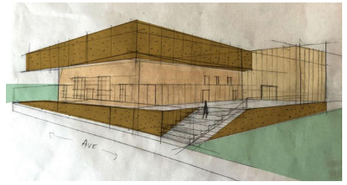
windows
primary energy: 999 MMBtu
GWP: 71 tons
weighted resource use: 113 tons
air pollution index: 18819
h20 pollution index: 5.15

whole building
primary energy: 14017 MMBtu
GWP: 1074 tons
weighted resource use: 4307 tons
air pollution index: 198245

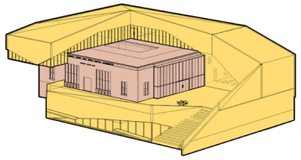
embodied carbon calculations - exploded axonometric



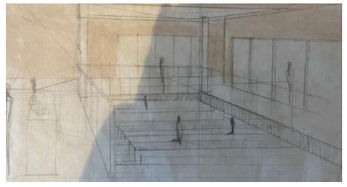
level 1 - 1’-0” = 1/16”



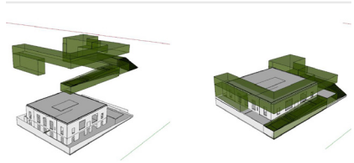
concept sketch



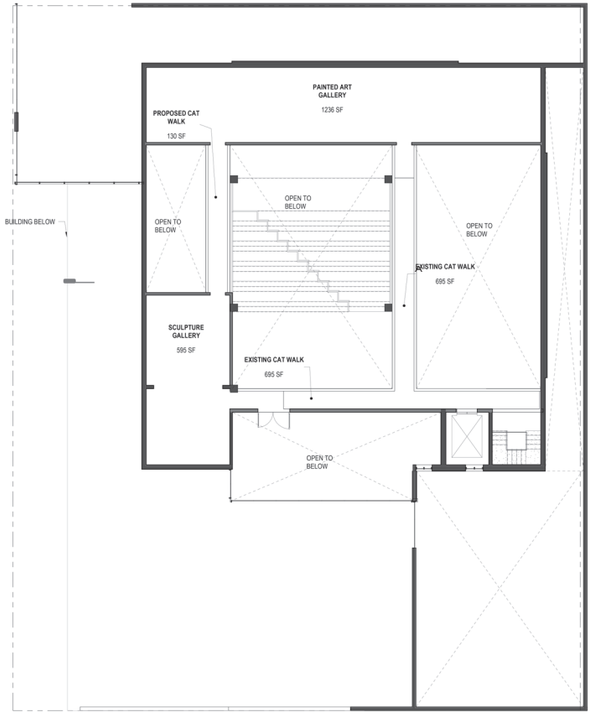
old vs new diagram



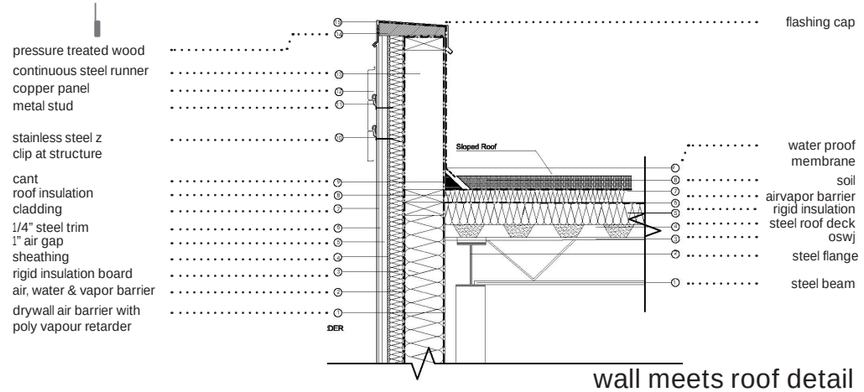
interior sketch



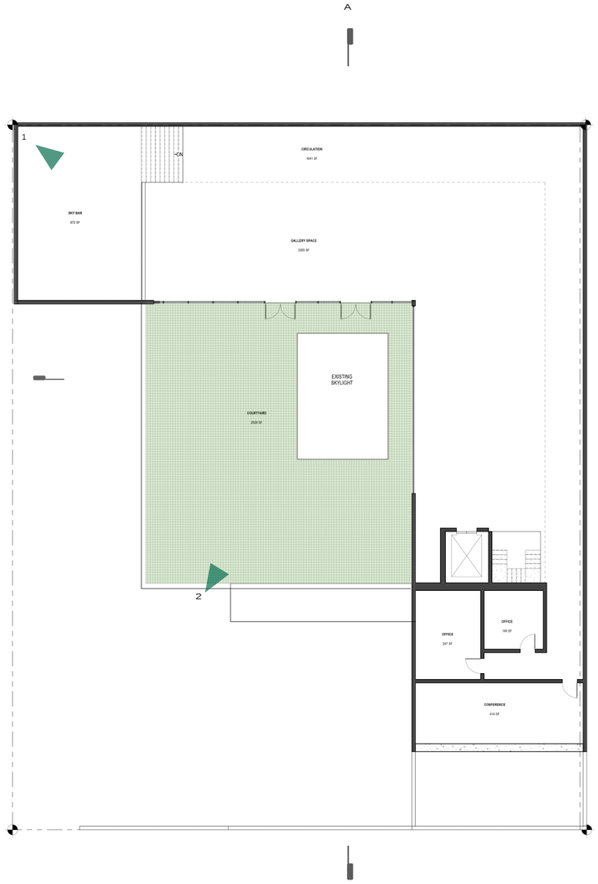
concept diagram



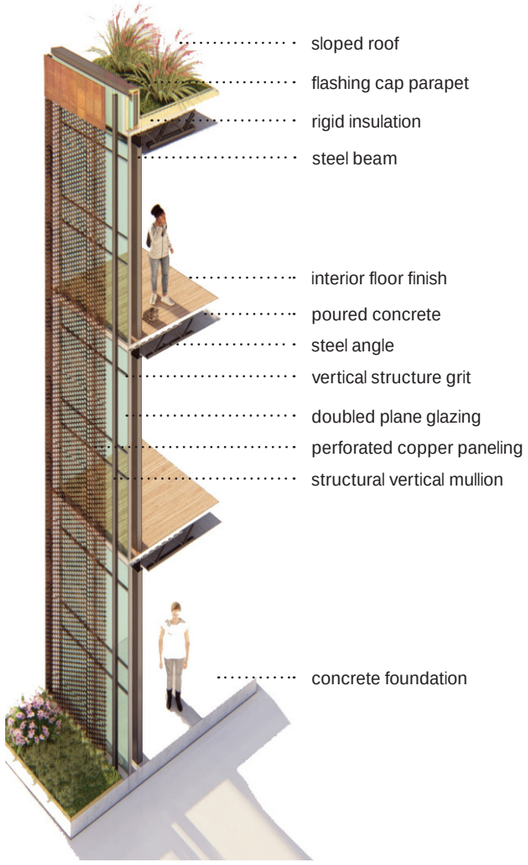
level 2 - 1’-0” = 1/16”



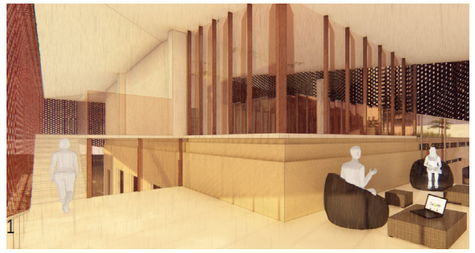
wall meets roof detail



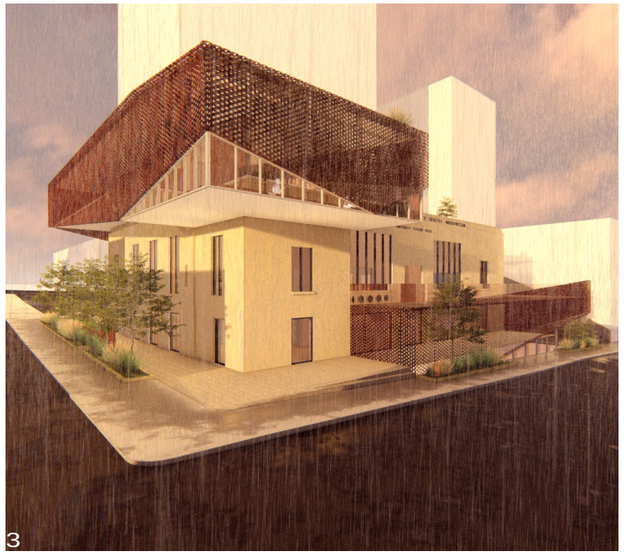
level 3 - 1’-0” = 1/16”

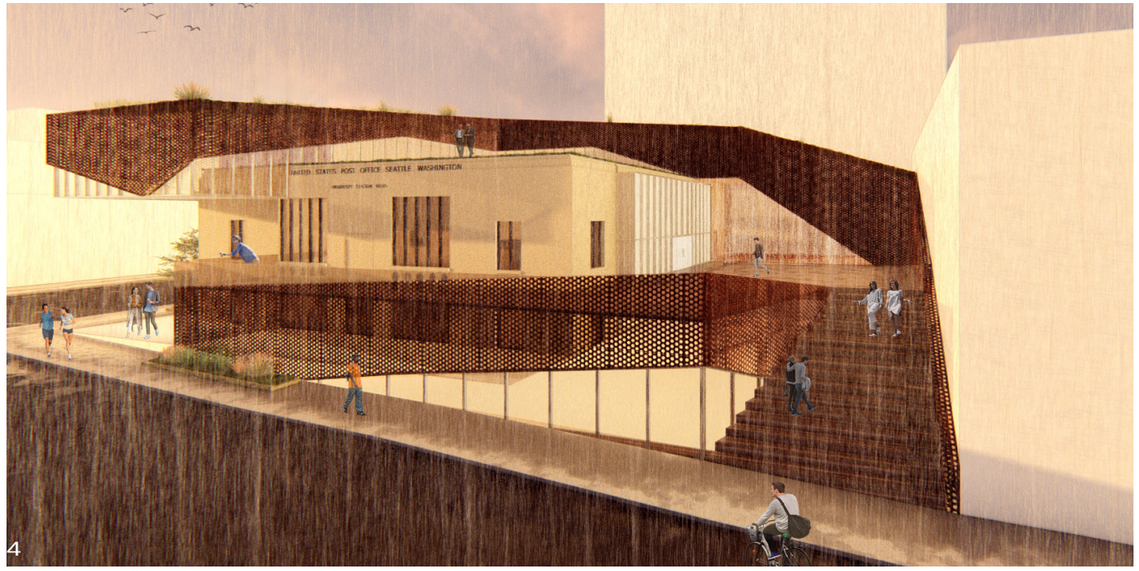


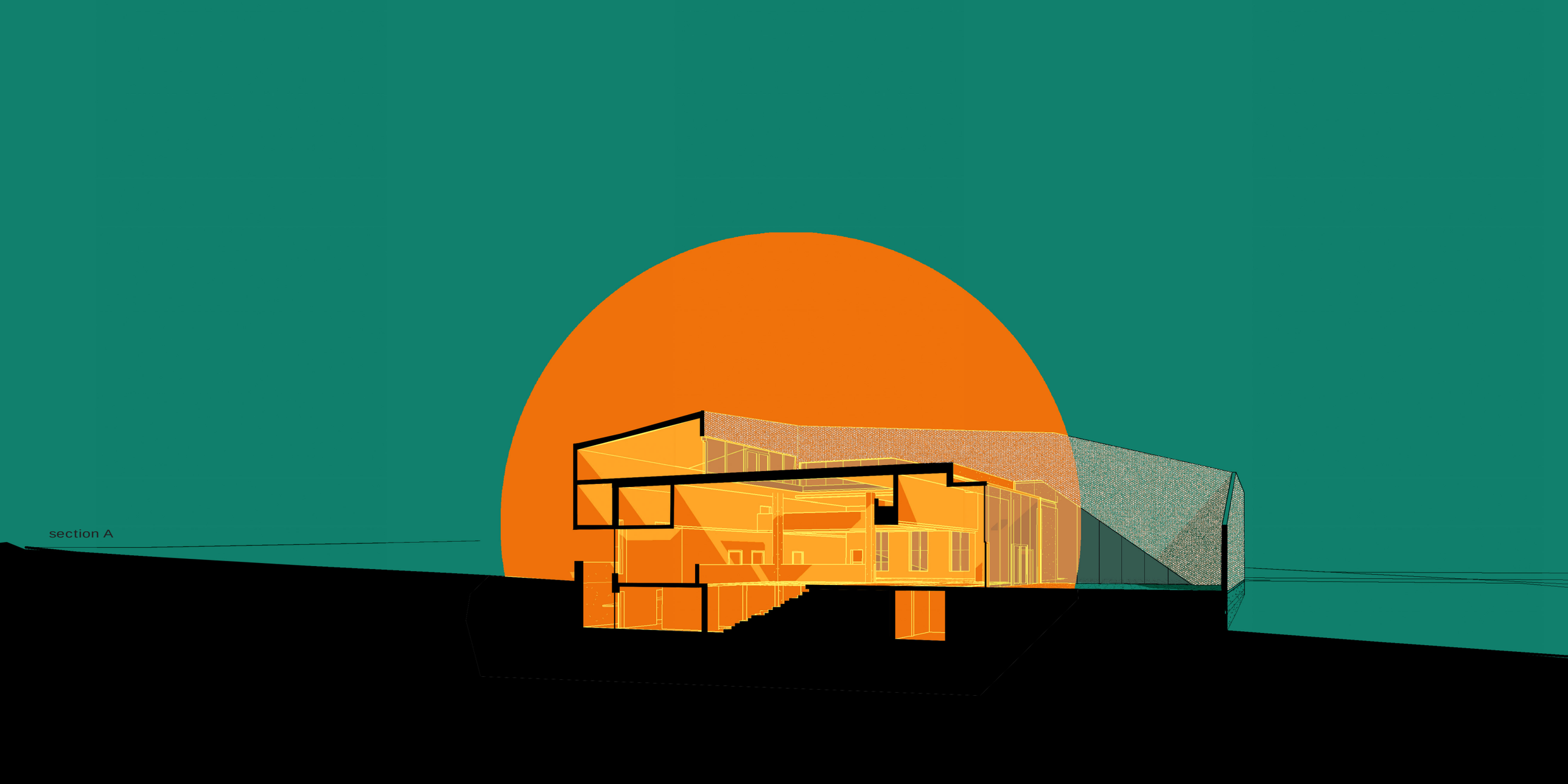
sectional axonometric









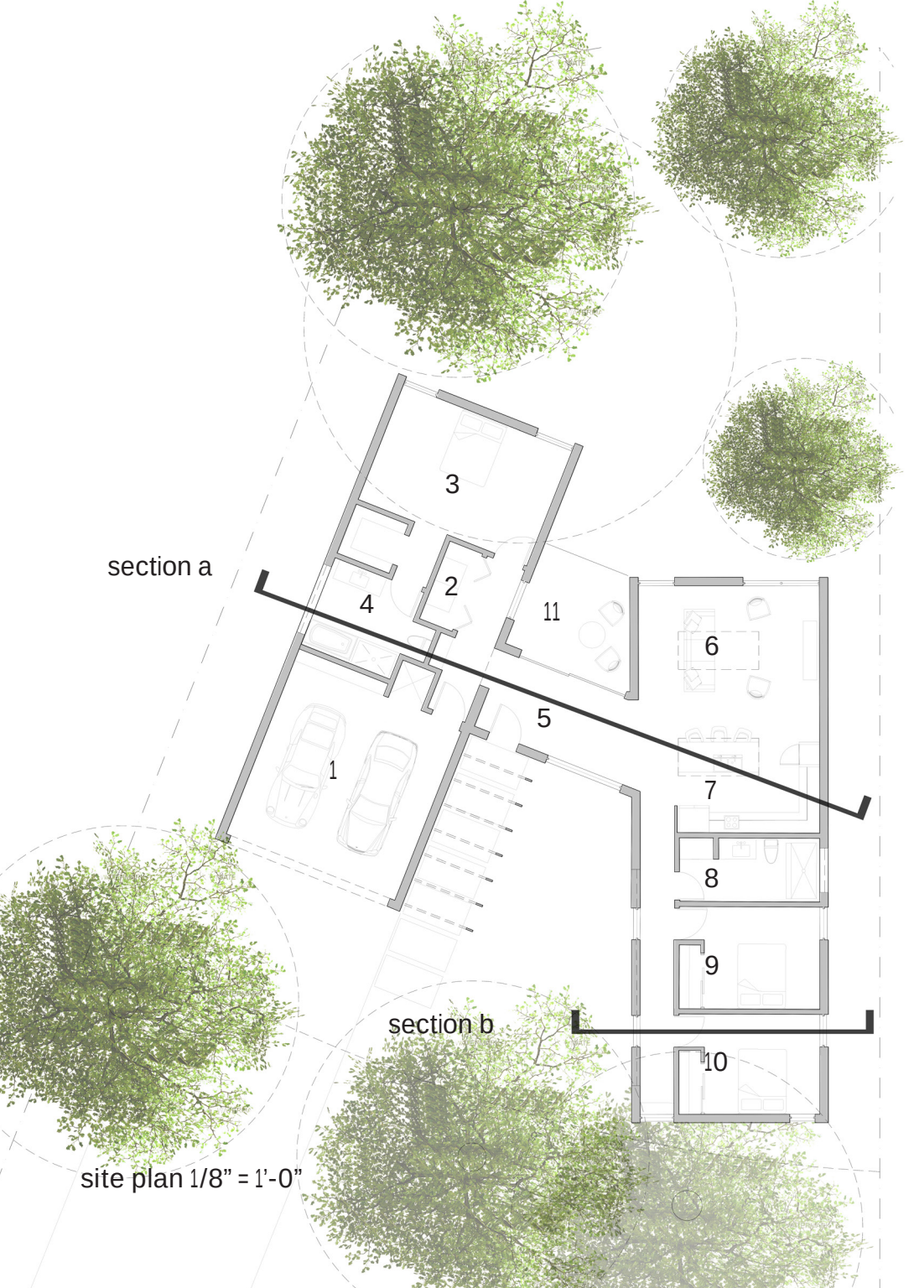

section A

vista house

fall 2019

The focus of this design was to propose a home for a family in the arlington commnity. through the exploration of domestic architecture and previous precdents. The concept of “views” allowed us integrate the landscape into a series of perspectives that would be carried from the front of the house to the back. These views would highlight the abundance of wild flowers and trees that previously existed on the site, rather than uprooting the trees and building over the plot of land. As well as integrating these points into the program of the single family residence.



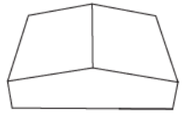


site plan 1/8" = 1'-0"

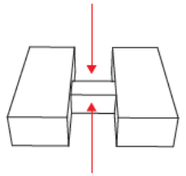
1. garage
2. laundry room
3. master bedroom
4. master bath
5. atrium
6. living room
7. kitchen
8. bathroom
9. bedroom 1
10. bedroom 2
11. patio

concept development

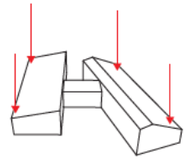
The concept of the house can be broken into three components, two highly efficient bars that are tied together by a "knot". The two identical bars carry the program for the house in a highly efficient manner in terms of space and are connected through a transitionary space utilized for circulation. The "knot" also creates a deep inset courtyard that allows for the integration of the landscape throughout the house. Moreover, this allows for the entrance to the house be welcoming, clear, and become an outdoor room, further suggesting the preservation and importance of the landscape.



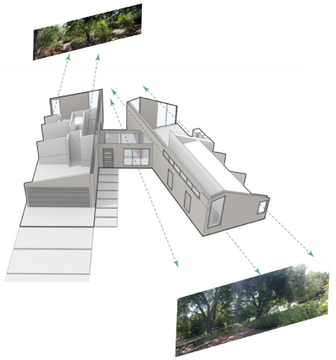
traditional
home typology
gabled roof



pinched to
create
courtyards



skewed to
conform to site
constraints







south elevation



north elevation



section a



section b











120 oriole

academic fall 2020

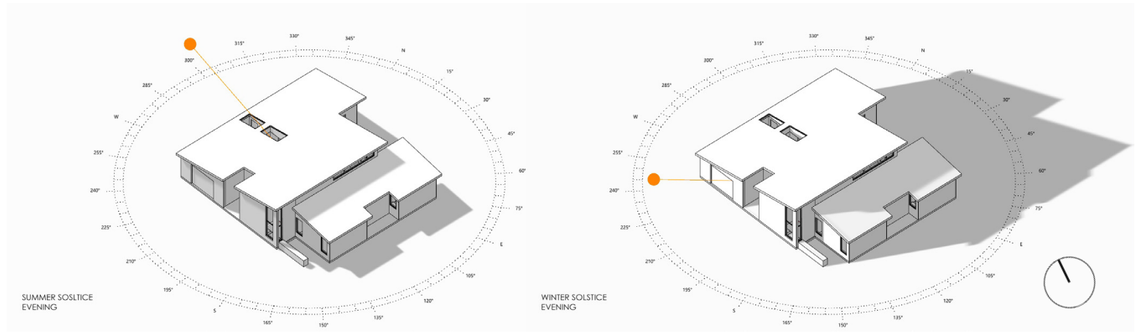
The design build studio consisted of twelve undergraduate students that partner with the Housing Channel to design a home for an underprivileged, first-time homeowner in financial need. The direct integration of vernacular architecture, community involvement, landscape preservation, and program provided an opportunity to implement critical practice. The focus of this design was to provide a proposal for housing in Arlington, Texas that pushed the concept of domestic housing while also respecting and representing the vernacular architecture in the area.

Collaboration: Celso Esparza, Citlalli Bailon, Citlalli Guerra, David Garcia, Guillermo Cazares, Juan Lua, Maylin Juarez, Melissa Farrell, Rachel B rett

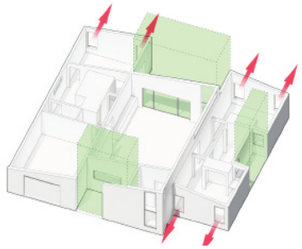
ground floor plan - 1/32”=1’-0”



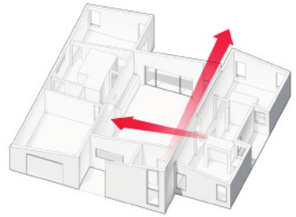
solar studies



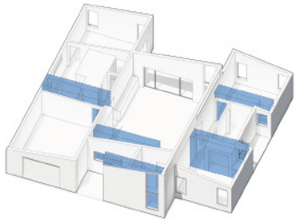
concept development



extensions to the exterior to provide views to landscape and light



embedded circulation to reduce hallway footprint



built in furniture with pro-grammatic functions



design development

The focus of the design was to integrate the natural landscape of the site, by creating a multitude of courtyards, bringing views throughout the house, and defining a series of planes that would provide program, recreation, and storage.

The private spaces such as the master bedroom, the children's bedrooms, and master bathroom are divided by a large public space that encompass an open living room and kitchen. The integration of an exterior courtyard in the backyard is intended to lengthen the public space and create a feeling of an even larger living room.



floor plan 1/16" = 1'-0"

1. garage
2. laundry room
3. master bedroom
4. master bath
5. atrium
6. living room
7. kitchen
8. bathroom
9. bedroom 1
10. bedroom 2
11. patio
12. garage entryway
13. built in planters
14. built in desks





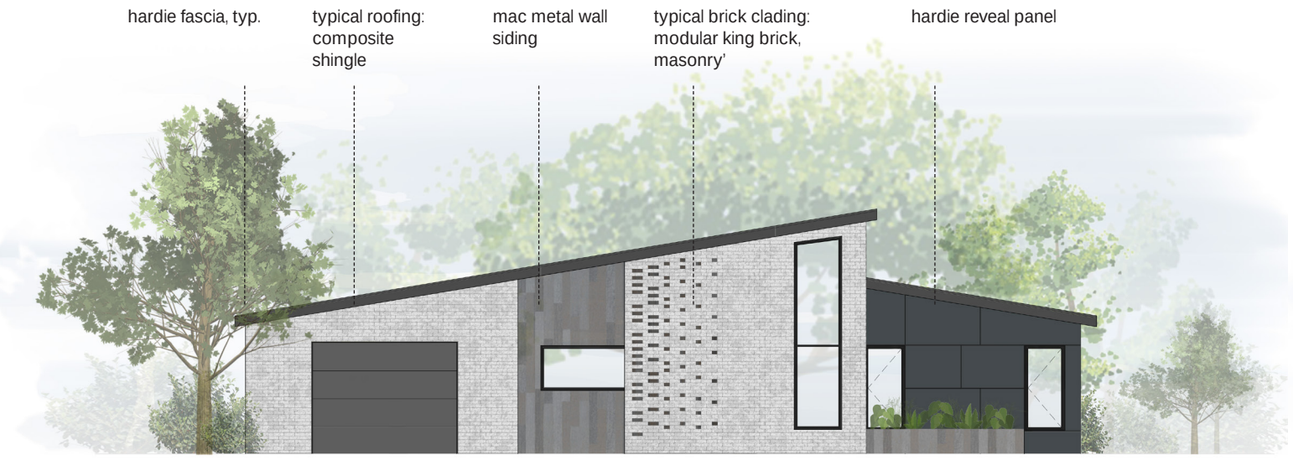












south elevation



north elevation



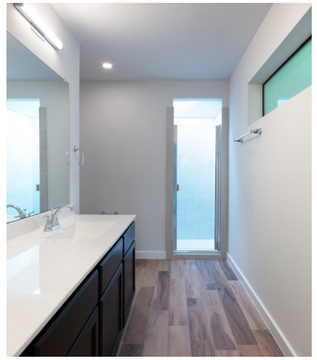
section a



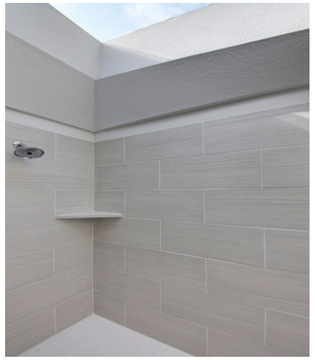
section b














1
2
0



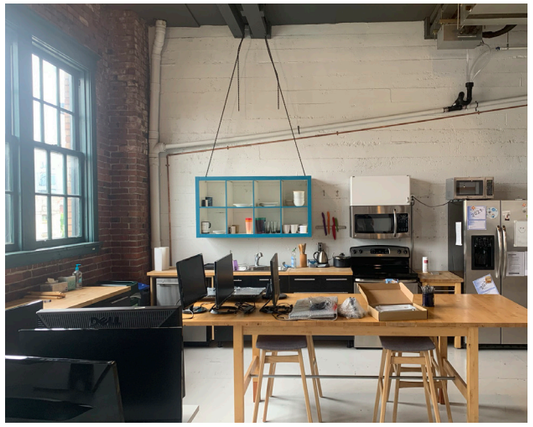
wave books

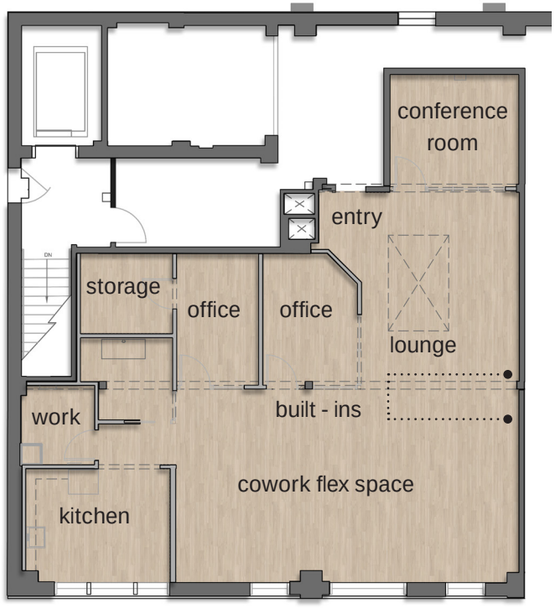
June 2021

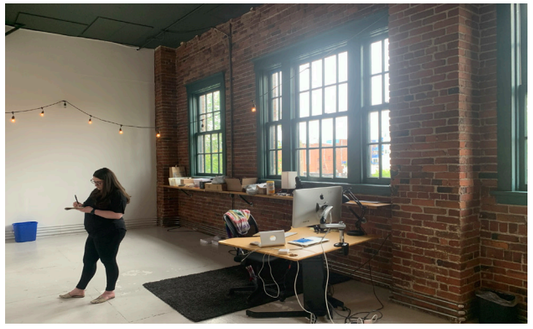
Located in Capitol Hill, the interior renovation focused on preserving the exposed timber structure, the existing skylight, and the feature brick wall, while developing a new office space to work and showcase Wave Books' breadth of books and poems. The project distinguishes a series of office spaces with half-height walls and large windows to maximize lighting, along with a large feature metal bookcase and ladder to exhibit Wave Books' collection.

The lounge sits right below the existing skylight for a well-lit reading space, flanked by built-in casework for exhibiting a sequence of art pieces. The deep-toned wood, original brick, and the dark, slick metal bookshelf, are accentuated with a clean, bright, and minimal interior.



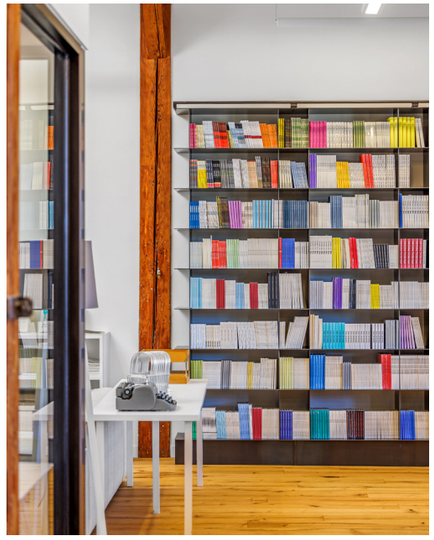




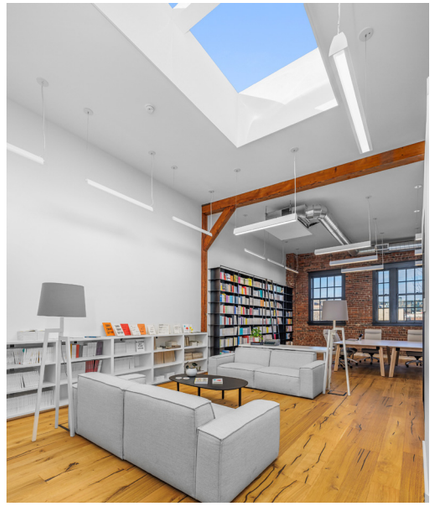


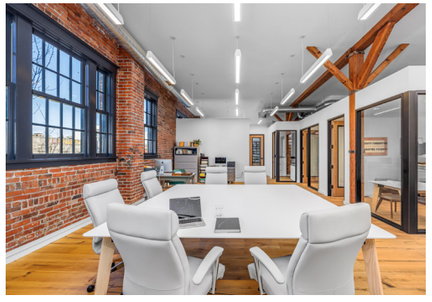


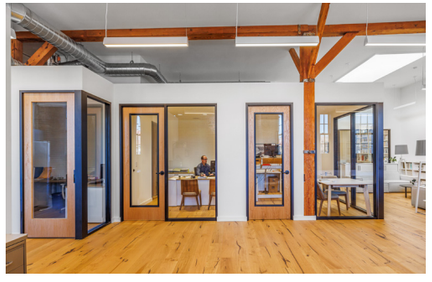


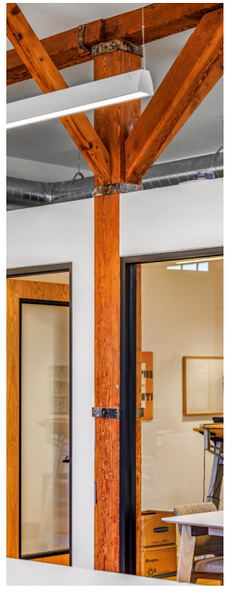












proposed floor plan 1/16” = 1’-0”

previous photos of space

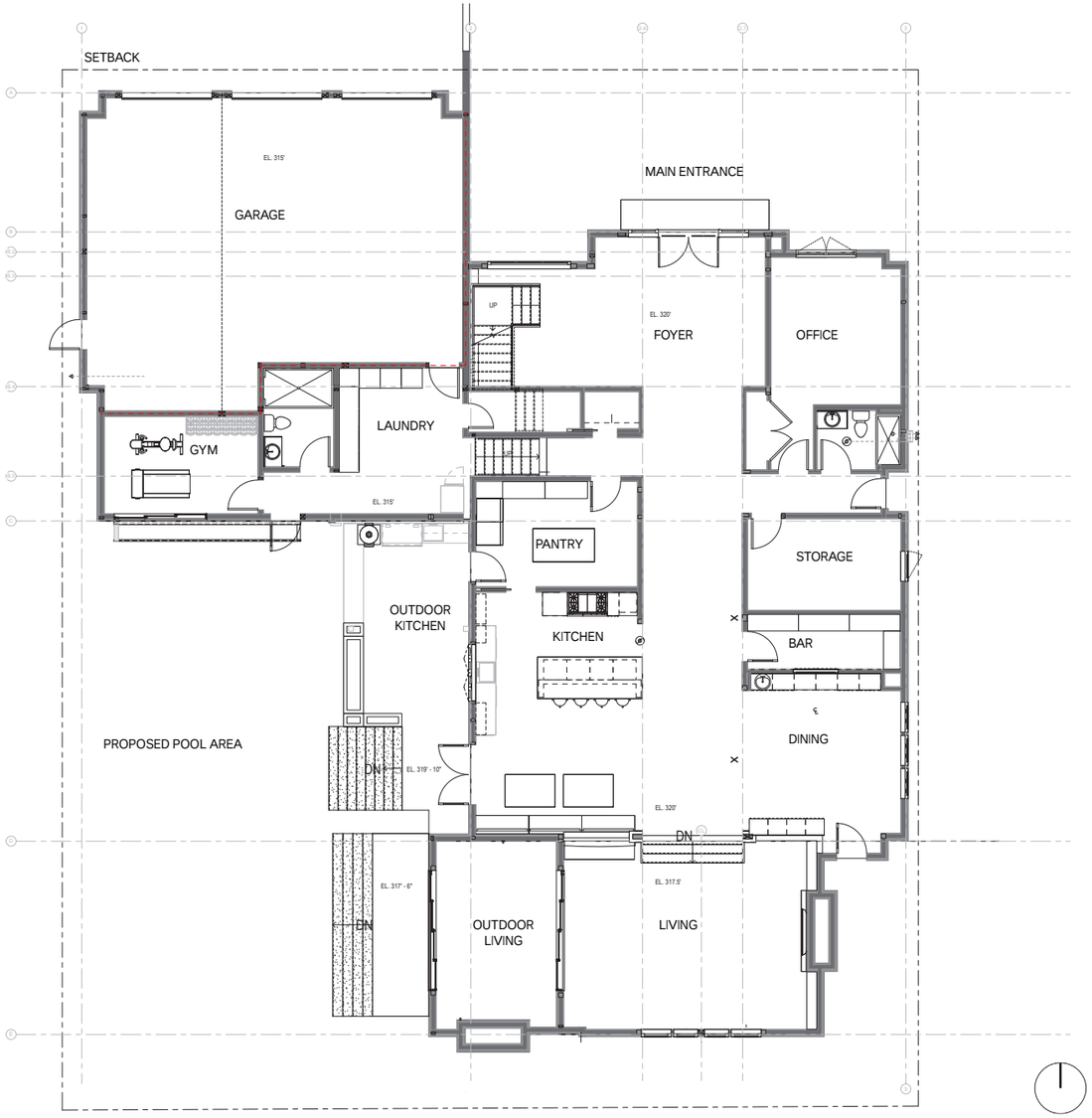
current



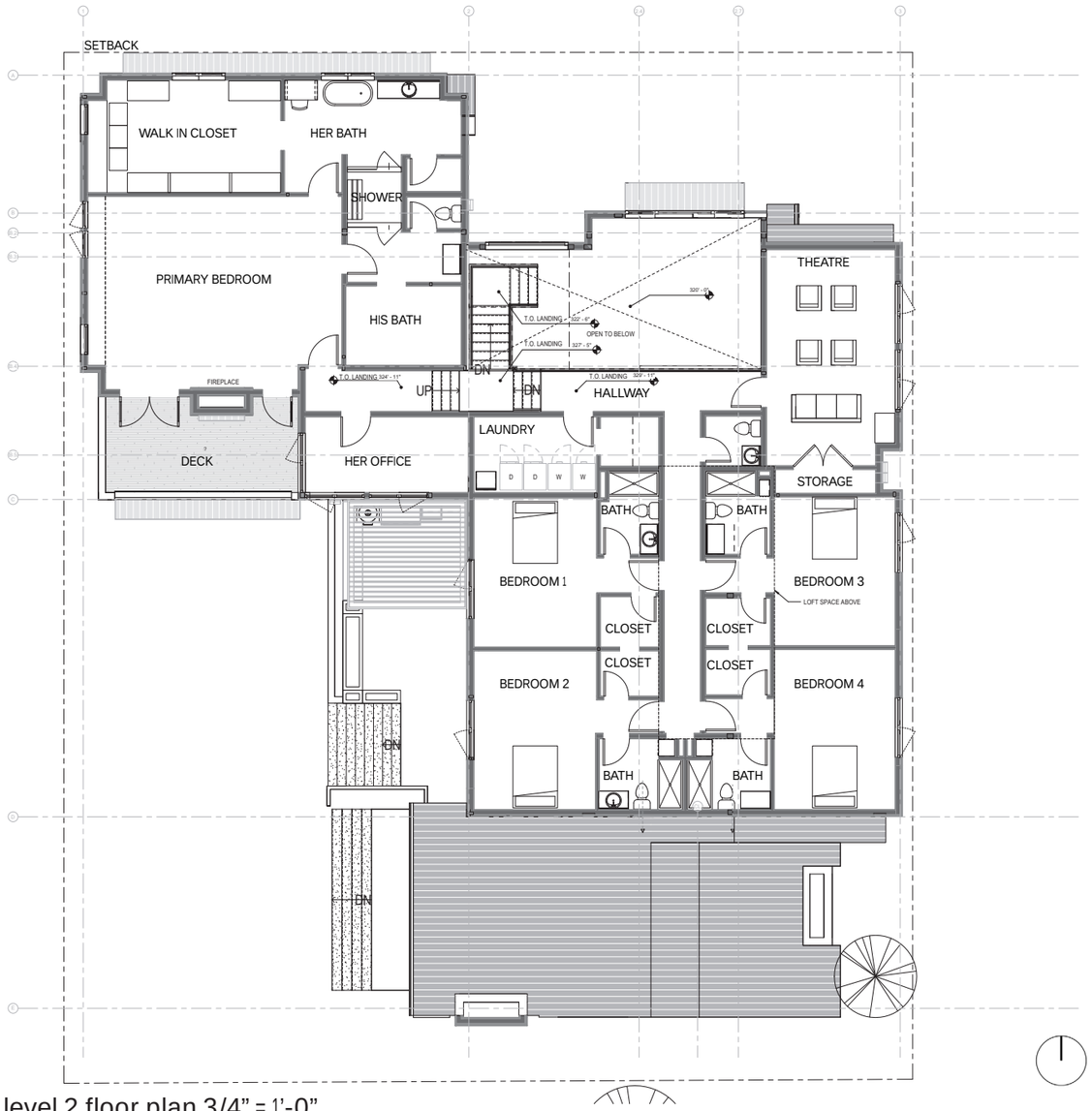
rea residence

June 2021

A twist on the modern farmhouse, this Clyde Hill residence integrates materials and rooves to ere ate double-height spaces and continuous interior-to-exterior views. Other house features include a double-height foyer with a grand staircase, an outdoor kitchen, a pickleball court, a pool, and a fitness center. The goal was to achieve a home that could accommodate a family of six and their individual needs.



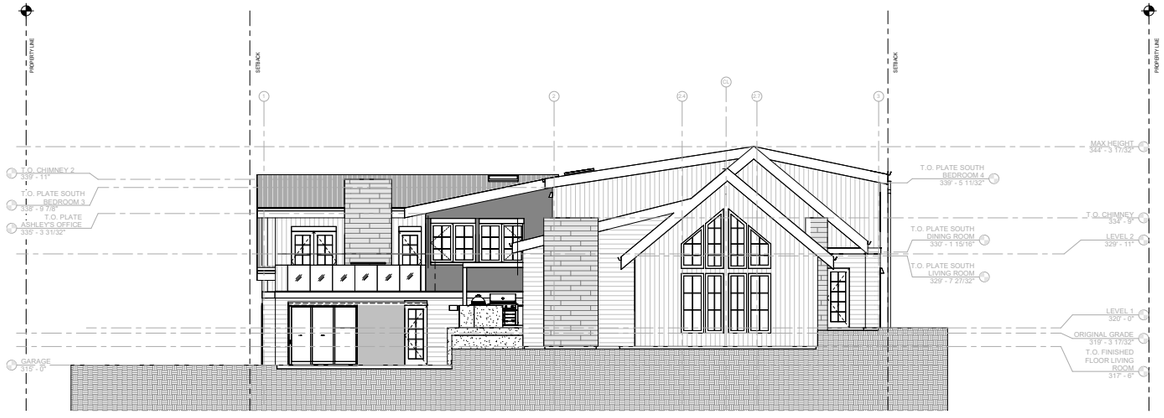
level 1 floor plan 3/4" = 1'-0"



level 2 floor plan 3/4" = 1'-0"



north elevation



south elevation



east elevation



west elevation







renderings













in progress construction photos



acoya richmond beach

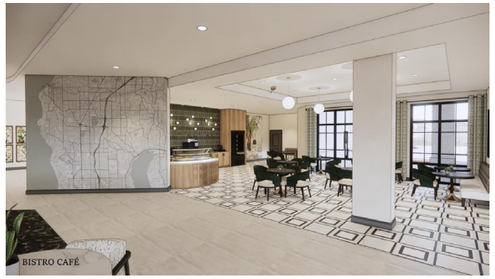
March 2022

Positioned near Innes Arden, a close-knit community in Shoreline characterized by its manicured landscapes and country-club attributes, the Acoya assisted living project adopts the feel of the nearby neighborhood. The project aims to integrate a pedestrian-friendly ground floor in a commercial-focused zone by developing a transparent and proportionate base for residents and pedestrians alike. Elements of the country club are seen through the playful canvas canopies and lush landscaping. The project's layout also directly connects with the large courtyard, permitting the program to spill out. The project aims for residents to feel like they are a member of an intimate chosen community rather than an assisted living facility.

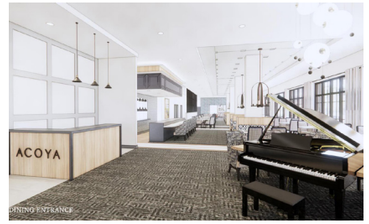


floor plan - level 1


ENTRY


BISTRO CAFÉ

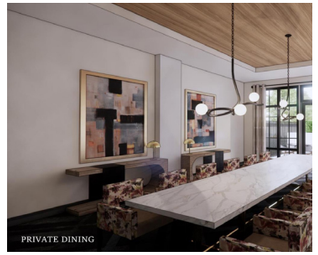

LIVING & LIBRARY



DINING ENTRANCE


DINING


DINING/PRIVATE DINING


PRIVATE DINING


ACTIVITY


BISTRO CAFÉ


FITNESS

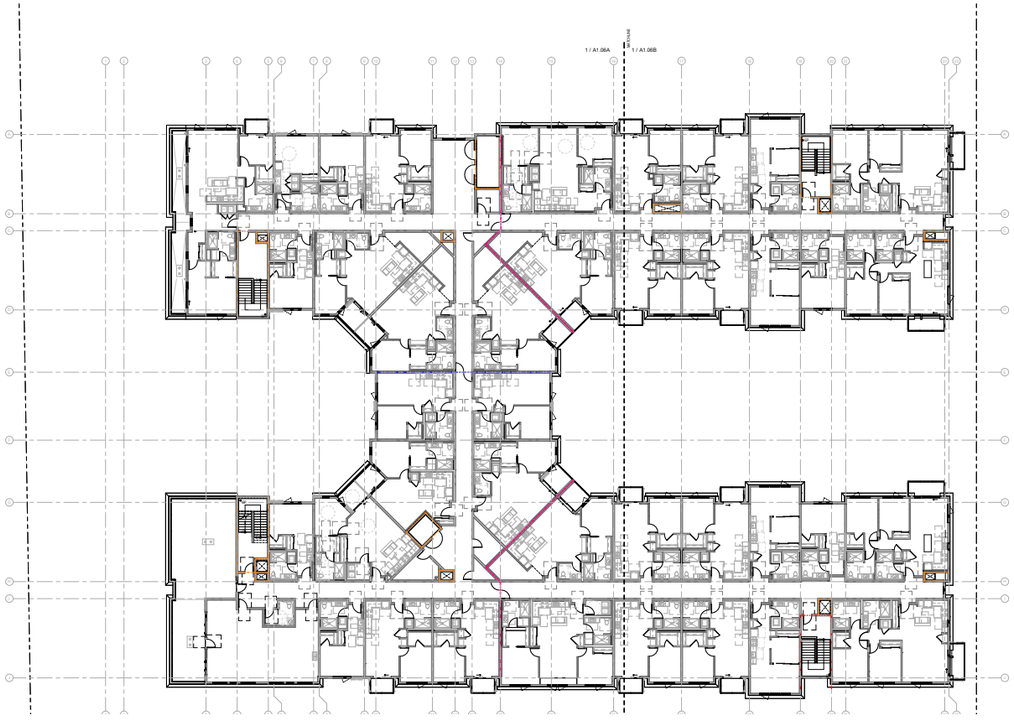
construction drawings



west elevation



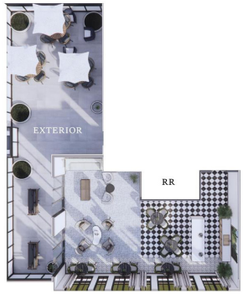
east elevation



level 6 - typical assisted living level, sky lounge - 1/32” = 1’-0”



SKY LOUNGE



SKY LOUNGE AXON

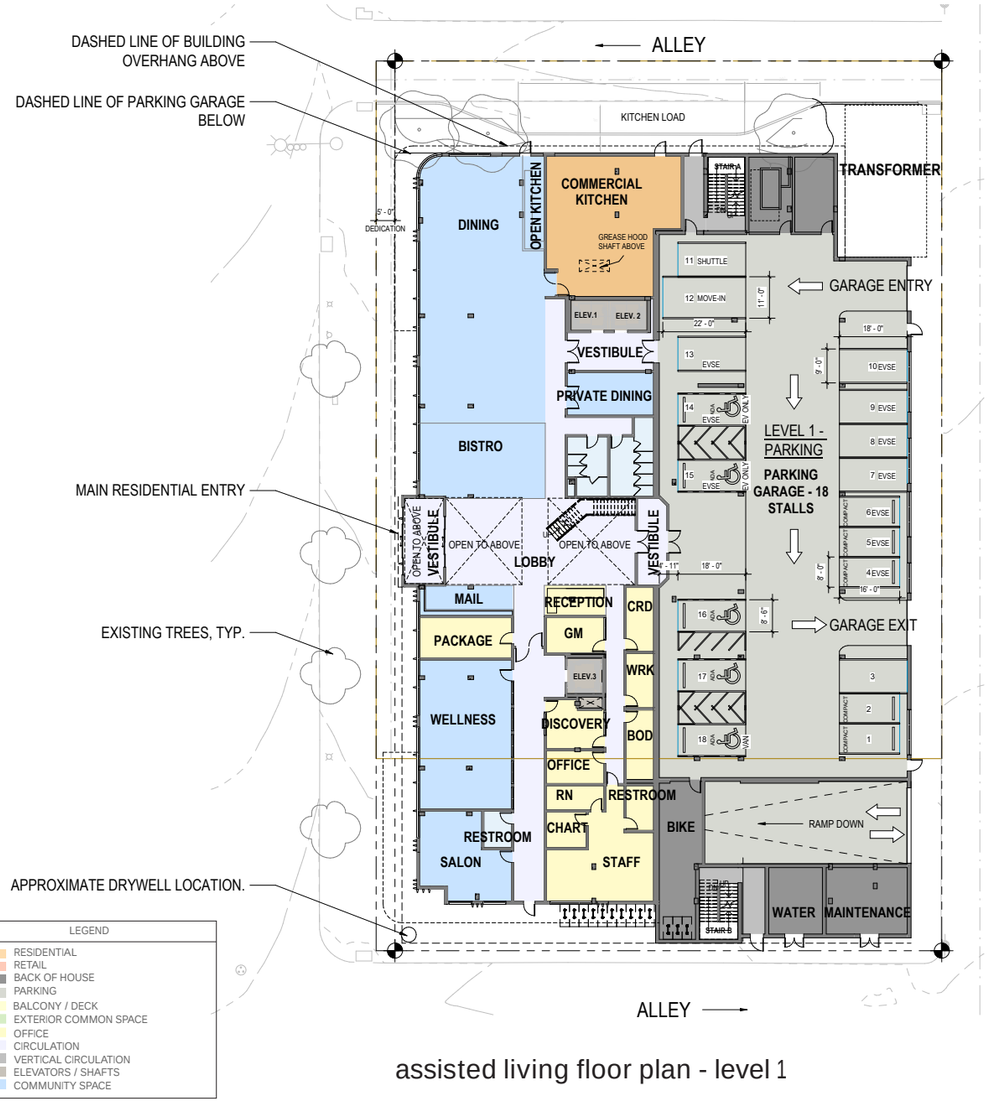




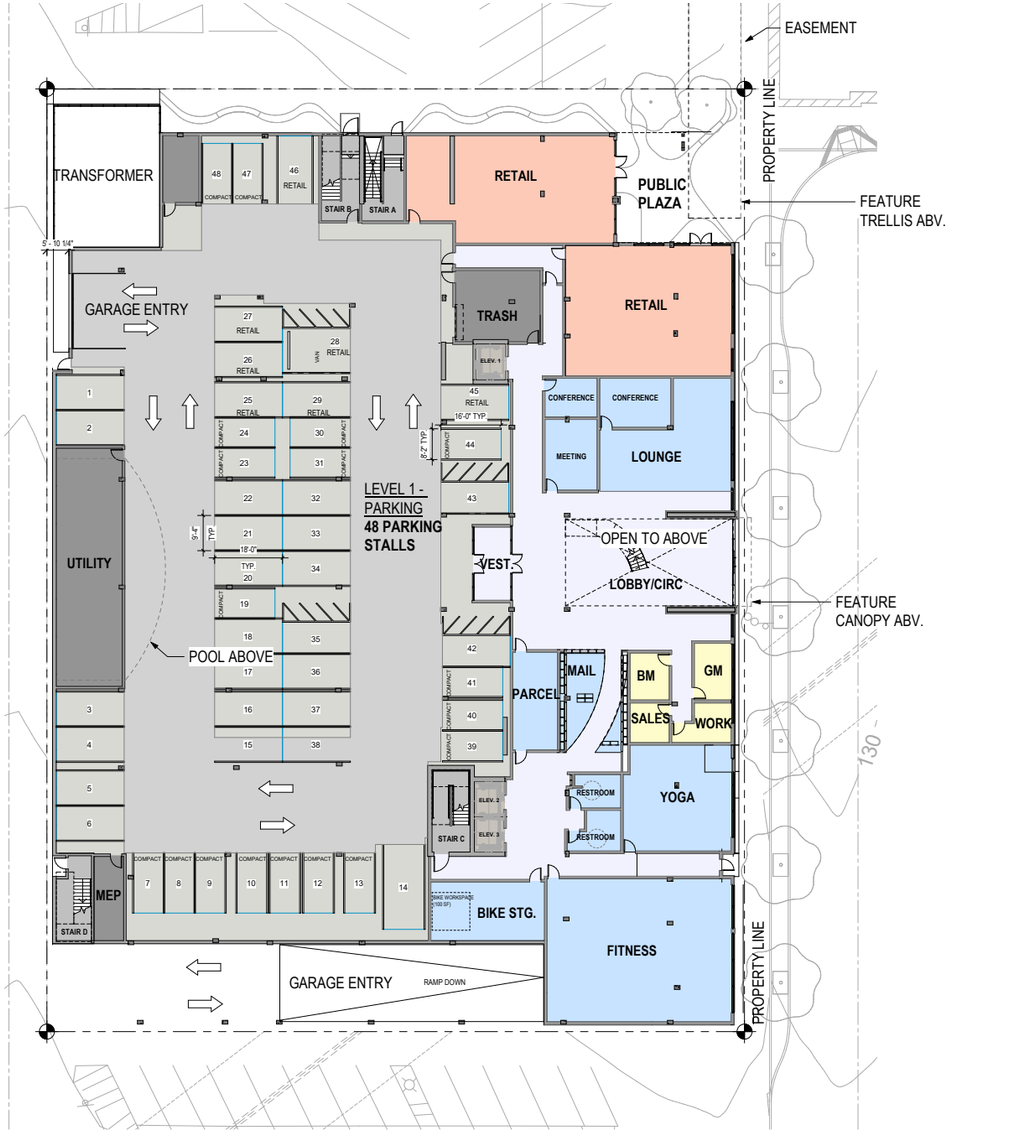
westchester apts

May 2023

Located in Los Angeles, California, is a combined independent and assisted living facility which allows residents to share amenities, outdoor spaces, and coinciding building programs. The East independent living building acts as a community marker and is positioned at the end of the local Westchester Farmers Market. The West assisted living building sits along the main frontage Sepulveda Boulevard, tying in elements of California's retro design through the building's curved features, such as the balconies and canopies. Additionally, it combines a classic color palette and modern materials such as corten. Both buildings feature a jewel box at the top level containing a clubhouse and a roof terrace overlooking Sepulveda Boulevard and the farmers market.



assisted living floor plan - level 1



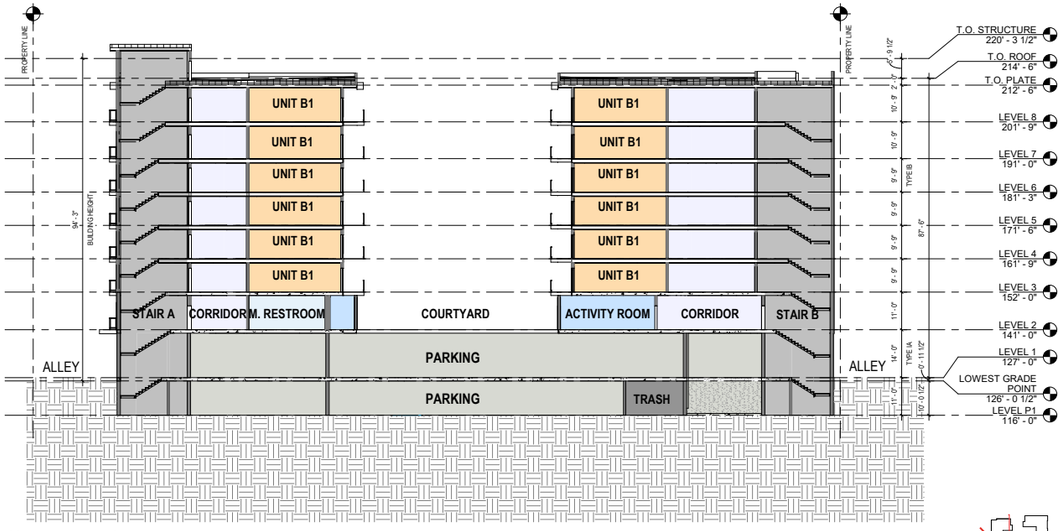
independent living floor plan - level 1



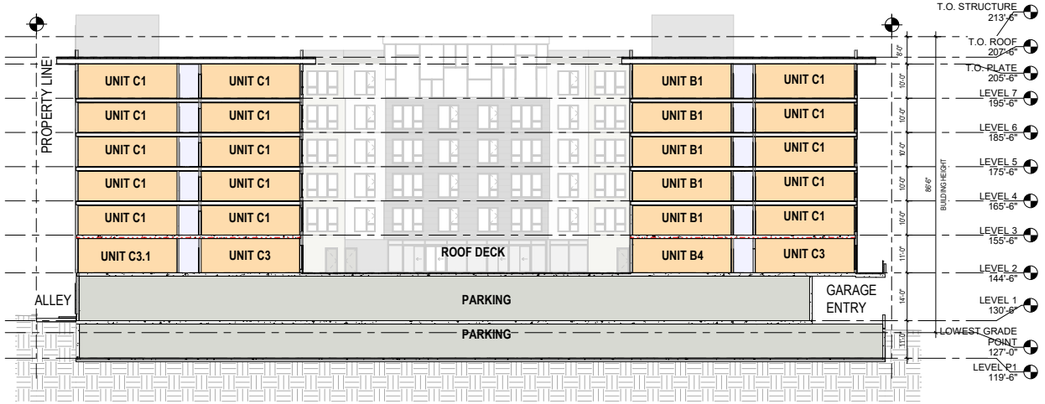
west elevation



east elevation



building section



building section




SIGNAGE



tilth farm stand

October 2021

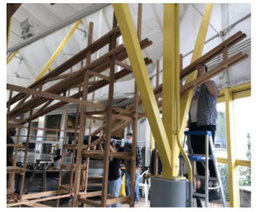
South Whidbey Tilth is a nonprofit dedicated to environmentally sound and sustainable agricul ture. The organization seeks to promote healthy, organic, sustainble ways of growing food which prioritize both producers and consumers. South Whidbey Tilth hosts a weekly farmers market, and hosts a variety of endeavours on their 11 acres, including a native plant restoration area, a community garden, demonstration forest, and other farming projects. The 2021 Neighborhood Design/Build Studio was hired to design and construct a farm stand located on the Tilth campus, that would provide a year round, more permanent place for selling produce and other products. Intended largely as a self-service farm stand, the structure required adequate visibility from the street, as well as weather protection for goods stored inside.

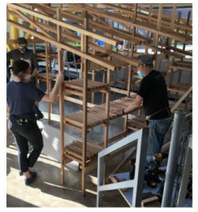
Collaboration: Steve Badanes, Jake Labarre, Andrew Baltimore, Azitah Foohti, Nicole Cousins, Andreas Bakkebo, Claire Q, Sean Eakmen, Jorge Guzman, Ghida Ali, Emmanual Soria, Amy Fe

site context

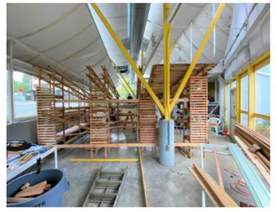










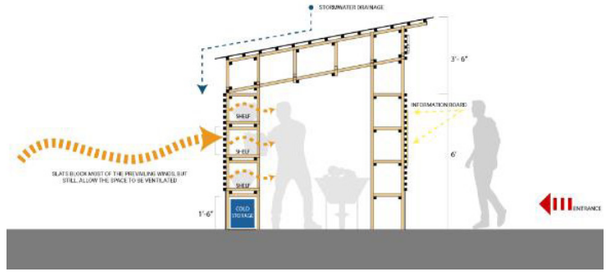




construction



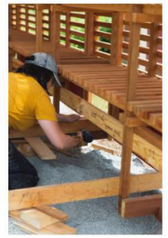
team



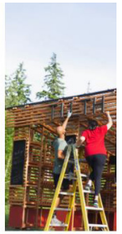


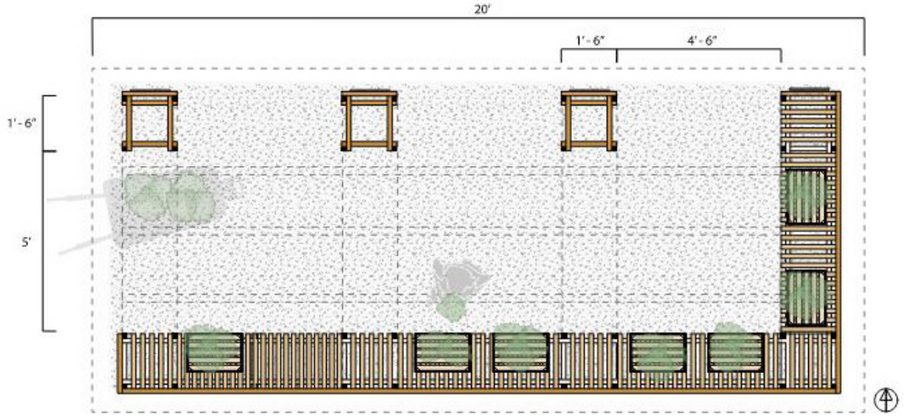












BAZAAR
PEARL