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PROJECT INFORMATION

site address	3405/3411/3417 Harbor Ave SW
parcel numbers	7987400130, 7987400140, 7987400150
project number	3034147-EG

PROJECT TEAM

architect	atelier drome architecture 112 prefontaine pl s seattle, wa 98104
contact	michelle linden michelle@atelierdrome.com
builder	sts construction
owner	housing diversity

PROJECT CRITERIA

zoning	C1-55 (M)
overlays	outer transitional surface parking flexibility
abutting zones	IG2 U/85 (east) SF5000 (west)
current use	(1) existing office building
lot area	3405 Harbor Ave SW: 3,957 sf 3411 Harbor Ave SW: 3,957 sf 3417 Harbor Ave SW: 7,918 sf 15,832 sf TOTAL
allowable FAR	59,370.6sf (3.75)
ECAs	40% steep slope, potential slide, liquefaction, landfill
parking	57 stalls required

PROJECT PROPOSAL

gross building floor area	71,100 sf
proposed residential area	58,227 sf
proposed residential units	115 units (preferred scheme)
proposed parking	65 stalls (preferred scheme)
no. of stories	5 stories of residential with 1 partially below-grade level of parking
demolition	existing office building to be demolished

CONTEXT + SITE

The neighborhood is in transition, with most of the new development occurring as new, higher density residential units. The majority of the commercial activity is across Harbor Ave SW in the industrial zone. On the west side of the site is a smaller scale, single family residential neighborhood. The steep slope of the lot in the east/west direction provides opportunity for views across the industrial zone to the east, towards the Duwamish Waterway and the downtown skyline. It also allows for reduced massing in deference to the single family homes. The site will be shaded from the sun by the hillside to the west at varying times of day throughout the year. Morning sun will be most consistent throughout the day and year as there are no buildings or landscape immediately blocking the light.

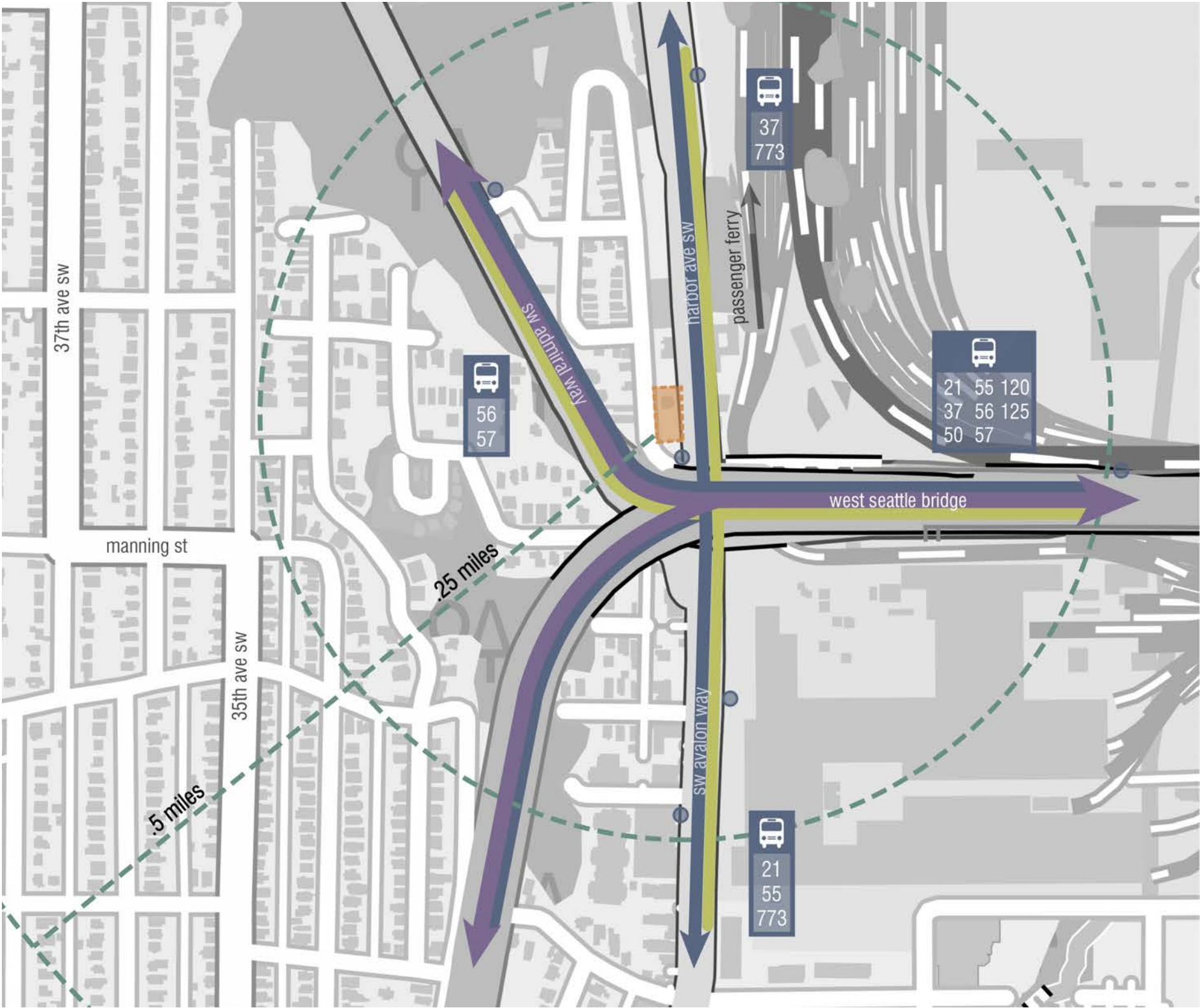
The site is well served by transit in the north-south direction, providing connections to Alki, downtown Seattle, and beyond. Public bus, bicycle, and main vehicular routes are provided immediately adjacent to the site along Harbor Ave SW, with a pedestrian bike/walking path across the street on Harbor Ave SW. The pedestrian bike path on the east side of Harbor Ave SW also affords easy access to Alki and the passenger ferry terminal. There is a pedestrian hillclimb stair connecting the residential neighborhoods to the southwest. Bridge access is directly to the south, allowing quick vehicular and bus access to downtown Seattle.

DEVELOPMENT PROPOSAL

This project proposes to create a multi-family building with 5 stories of apartments over 1 partially below grade story of parking. The existing office building will be demolished.

DEVELOPMENT OBJECTIVES

- objective 1: provide modulated massing to create a respectful transition between zones
- objective 2: maximize light and views
- objective 3: provide comfortable and economic housing for a growing neighborhood, in a growing city



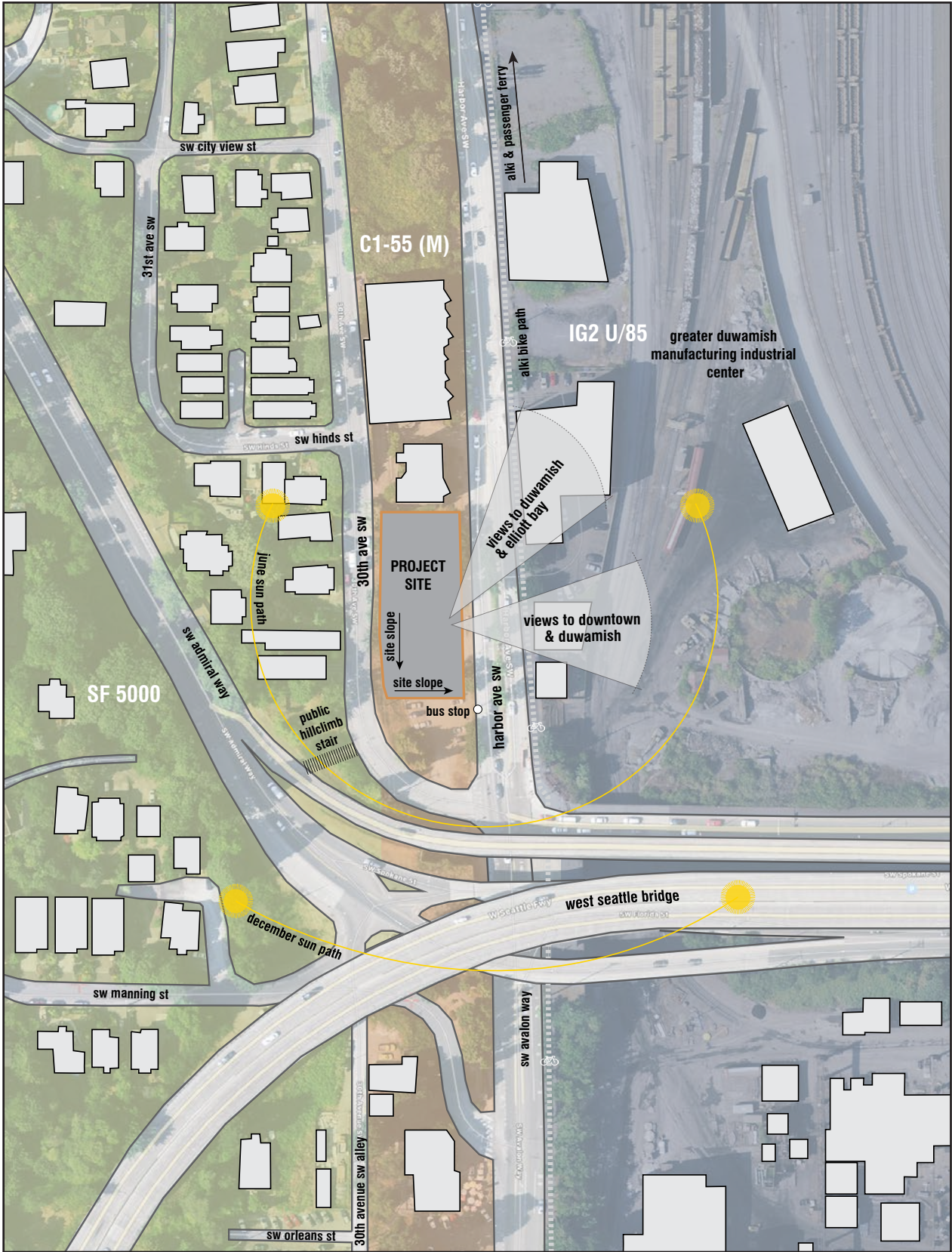
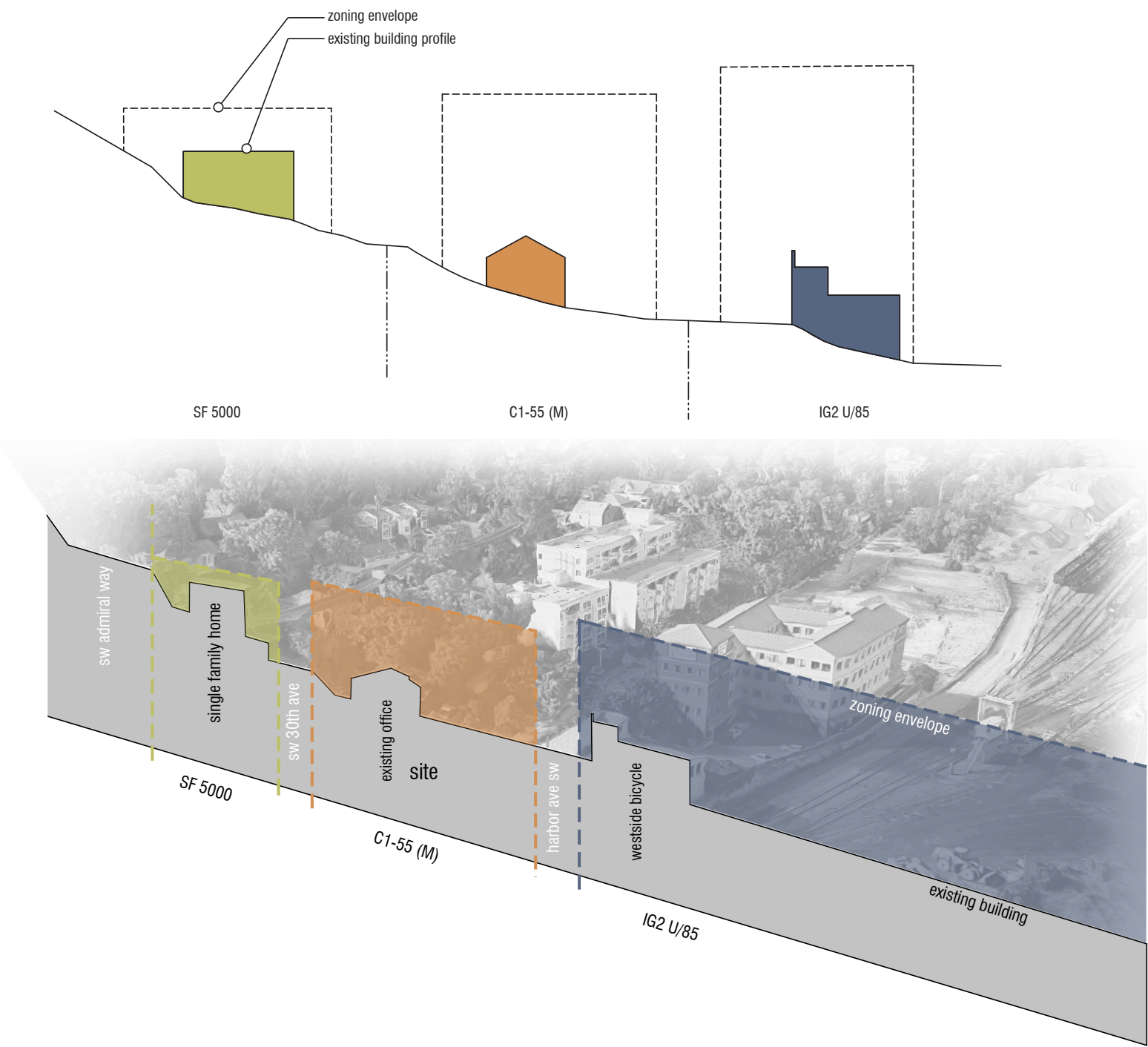


LOCAL AMENITIES

- | | | | |
|----|------------------------------------|----|-----------------------|
| 1 | project site | 15 | chi franciscan health |
| 2 | luna park cafe | 16 | trader joe's |
| 3 | west seattle branch public library | 17 | qfc |
| 4 | delridge community center | 18 | safeway |
| 5 | pathfinder k-8 school | 19 | metropolitan market |
| 6 | west seattle high | 20 | whole foods |
| 7 | lafayette elementary | 21 | safeway |
| 8 | madison middle school | 22 | chase bank |
| 9 | west seattle stadium | 23 | wells fargo bank |
| 10 | dragonfly garden | 24 | umpqua bank |
| 11 | delridge playfield | 25 | bank of america |
| 12 | puget park | 26 | becu |
| 13 | hiawatha playfield | | |
| 14 | jack block park | | |

SITE ZONING

The site is located in a strip of a commercial zone (C1-55 M), bordered by an industrial zone (IG2-U/85) to the east and single-family zoning (SF5000) to the west.



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7.0 ZONING DATA

ZONE	ABUTS	INCENTIVES	RESTRICTIONS	OVERLAY	SITE AREA
C1-55(M)	IG2 U/85, SF5000	frequent transit	liquefaction, steep slope, potential slide, landfill	outer transitional surface	15,832sf

LAND USE CODE

DESIGN TEAM RESPONSE

USES PERMITTED OUTRIGHT 23.47A.004 TABLE A		
<ul style="list-style-type: none">Residential uses	<ul style="list-style-type: none">The project proposes 115 residential units	COMPLIES

STREET-LEVEL DEVELOPMENT STANDARDS 23.47A.008		
<ul style="list-style-type: none">Blank segments of street-facing facades between 2 - 8 feet above the sidewalk may not exceed 20 feet in width. Facades with screening or landscaping are not considered blank.The total of all blank facade segments may not exceed 40% of the facade width of the structure along the street.Street-level, street-facing facades shall be located within 10 feet of the street lot line unless wider sidewalks, plazas, or other approved landscaped or open spaces are provided.At least one of the street-level, street-facing facades containing a residential use shall have a visually prominent pedestrian entry.The floor of a dwelling unit located along the street-level, street-facing facade shall be at least 4 feet above or 4 feet below sidewalk grade or be set back at least 10 feet from the sidewalk.	<ul style="list-style-type: none">The proposed street-level, street-facing facade abutting Harbor Ave SW incorporates a combination of glazing, green screens, and decorative art screens. The blank segments along this street total 69.75’ or 37% of the facade, which is less than 40% max allowed. Additionally, the longest blank segment width is 17.42’ which is less than the maximum of 20’.Along 30th Ave SW, the proposed street-level, street-facing facade features residential unit windows and balconies. The blank segments along this street total 45.15’ or 24% of the facade, which is less than 40% max allowed. Additionally, the longest blank segment width is 11.4’ which is less than the maximum of 20’.The Harbor Ave SW facade is located within 10 feet of the street lot line, with building setbacks varying from 3 inches to 11 feet. Although the 30th Ave SW facade is greater than 10 feet from the street lot line, a terraced and landscaped open space sits between the building and the street.Both street-facing facades feature visually prominent pedestrian entries. The Harbor Ave SW facade features two lobbies, one at each corner. A pedestrian entry is provided at the northwest corner of the building at the 30th Ave SW side.Residential units are located along the street-level, street-facing facade of 30th Ave SW but are set back from the street lot line 10 feet to 28 feet, averaging greater than the 10 foot requirement.	COMPLIES

PARKING LOCATION & ACCESS 23.47A.004 TABLE A		
<ul style="list-style-type: none">One garage door is permitted for each curb cut.When a lot fronts on two or more streets, the Director will determine which of the streets will be considered the front lot line.Parking shall be screened.	<ul style="list-style-type: none">The project proposes one garage door for the curb cut at Harbor Ave SW.The project site fronts both Harbor Ave SW and 30th Ave SW and has received approval to treat Harbor Ave SW as the “front” lot line in order to determine access requirements.All proposed parking will be enclosed in a garage at the basement level of the building.	COMPLIES

MAXIMUM STRUCTURE HEIGHT 23.47A.012		
<ul style="list-style-type: none">Maximum structure height = 55 feetCertain rooftop features may also extend beyond the height limit (in particular, a stair or elevator penthouse may extend an additional 16 feet), however, some of these features must be located at least 10 feet from the north edge of the roof.Open railings, planters, clerestories, and parapets may extend up to 4 feet above the height limit.	<ul style="list-style-type: none">The proposed structure height is 53.79 feet, less than the 55 feet maximum allowed. The elevator penthouse extend 3.71 feet above the structure height, less than the 16 feet maximum allowed.	COMPLIES

MAXIMUM FAR 23.47A.013		
<ul style="list-style-type: none">3.75 on a lot outside of the Station Overlay District lot area: 15,832 sf max. FAR: 59,370 sfArea exempt from FAR: underground stories, portions of a story that extend no more than 4 feet above grade, rooftop greenhouse area.	<ul style="list-style-type: none">The proposed FAR is 59,344 sf. The sub-basement and portions of the basement level are either completely underground or do not extend more than 4 feet above grade and therefore are exempt from FAR.	COMPLIES

ZONE	ABUTS	INCENTIVES	RESTRICTIONS	OVERLAY	SITE AREA
C1-55(M)	IG2 U/85, SF5000	frequent transit	liquefaction, steep slope, potential slide, landfill	outer transitional surface	15,832sf

LAND USE CODE

DESIGN TEAM RESPONSE

SETBACK REQUIREMENTS 23.47A.014	
Front (Harbor Ave SW): none Front (30th Ave SW): none Side (north): none (does not abut a residential zone) Side (south): none (does not abut a residential zone) <ul style="list-style-type: none">A minimum 5 foot landscaped setback may be required under certain conditions and for certain uses per 23.47A.016Structures permitted in required setbacks: decks, balconies, eaves, cornices, gutters, ramps, fences, underground structures, dumpsters (except trash compactors)	<ul style="list-style-type: none">While no setbacks are required by code, the project proposes the following setbacks:<ul style="list-style-type: none">Front (Harbor Ave SW): 5’-0”Front (30th Ave SW): 9’-6” to 28’-7”Side (north): 3’-6” to 8’-0”Side (south): 3’-0” to 8’-1” COMPLIES

LANDSCAPING & SCREENING STANDARDS 23.47A.016

<ul style="list-style-type: none">A greenfactor score of 0.3 or greater is required (functionally equivalent to landscaping 30% of lot) <i>*Note: Credit is awarded for green roofs, planters, green walls. Landscaping, and plantings in the adjacent right-of-way.</i> <i>*Note: Street trees are required and are counted towards the greenfactor requirement.</i>	<ul style="list-style-type: none">The project proposes a greenfactor score of 0.625. Street trees are proposed along both Harbor Ave SW and 30th Ave SW. COMPLIES
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REQUIRED AMENITY AREA 23.47A.024

<ul style="list-style-type: none">5% of the total gross floor area in residential use required (area excludes mech equipment and parking)Bioretention facilities qualify as amenity areas.All residents shall have access to at least one common or private amenity area.Amenity areas shall not be enclosed.No amenity area shall be less than 250 sf and shall have a minimum horizontal dimension of 10 feet.Private balconies and decks shall have a minimum area of 60 sf and no horizontal dimension shall be less than 6 feet.	<ul style="list-style-type: none">The project proposes 2,761 sf of amenity area using a combination of a common roof deck, private patios and balconies, and bio-retention planters. COMPLIES
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PARKING LOCATION & ACCESS 23.47A.032.B

<ul style="list-style-type: none">Within a structure, street-level parking shall be separated from street-level, street-facing facades by another permitted use.	<ul style="list-style-type: none">While several residential uses, such as the mail room and entry lobbies, are located between the facade and the street-level parking, the proposed design does propose a departure from the code. DEPARTURE PROPOSED
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REQUIRED PARKING 23.54.015

<ul style="list-style-type: none">Residential uses = 1 vehicular space per dwelling unit, 0.5 per SEDU Residential uses = 1 bicycle space per dwelling units (long-term) for the first 50 units (3/4 per unit after 50), 1 space per 20 dwelling units (short-term) 23.54.020.F.2Minimum parking reduced by 50% if site is located within a frequent transit service area	<ul style="list-style-type: none">The project site is located within a frequent transit service area. 65 vehicular parking spaces and 115 bicycle parking spaces are provided. COMPLIES
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MANDATORY HOUSING AFFORDABILITY 23.58C.040 TABLE B

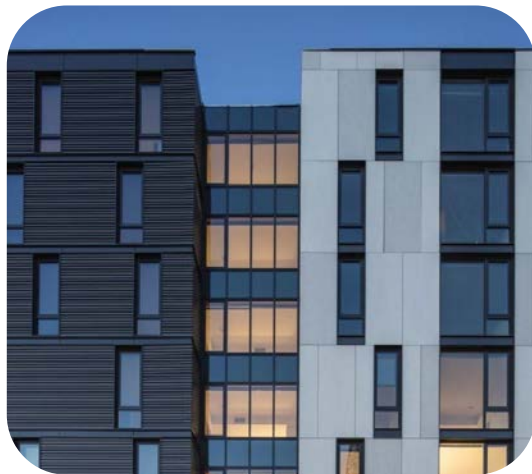
<ul style="list-style-type: none">Medium areaZones with a (M) suffix - \$14.46 / sf developer contribution	<ul style="list-style-type: none">As part of the City’s Mandatory Housing Affordability program, the project will contribute \$858,114.24 to the program. COMPLIES
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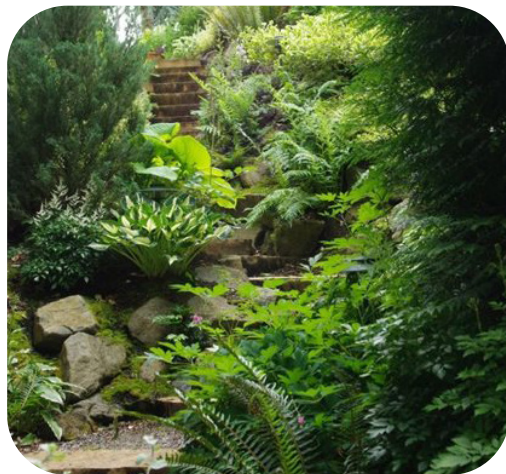
modulated massing



activated courtyard



facade patterns



terraced landscape



zone reflective scale



corner residential entry

CS1 NATURAL SYSTEMS & SITE FEATURES

D1 ON-SITE FEATURES

Incorporate on-site natural habitats and landscape elements such as: existing trees, native plants species or other vegetation into project design and connect those features to existing networks of open spaces and natural habitats wherever possible. Consider relocating significant trees and vegetation if retention is not feasible.

The scheme creates a landscaped courtyard that descends down the hillside and speaks to the adjacent residential neighborhood character. Terraced areas are planted with native landscape with bright pops of color that change seasonally, for year-round interest. This scheme incorporates built elements such as planters and patios in order to activate the courtyard and to help provide a physical and visual connection to the residents on 30th Ave SW. At Harbor Ave SW, ground and vertical greenscape provides texture, seasonal interest, and garage screening.

E1 ADDING INTEREST WITH PROJECT DRAINAGE

Use project drainage systems as opportunities to add interest to the site through water-related design elements. Features such as trees, rain gardens, bioswales, green roofs, fountains of recycled water, and/or water art installations can create movement and sound, air cooling, focal points for pedestrians, and habitats which may already be required to manage on-site stormwater and allow reuse of potable water for irrigation

At the southwest corner of the building, exposed downspouts relate to the gasketing of the mass, and create a visual and logical connection between the roof drainage above and bioretention planters below. The bio-retention planters stepping down the western hillside aid in the terracing of the slope, while providing visual interest to residents and neighbors alike. Along the south façade, the downspout extends as a spout, pouring water into the bio-retention planters and creating a water fountain effect, helping to mitigate highway noise.

CS2 URBAN PATTERN & FORM

A1 SENSE OF PLACE

Emphasize attributes that give Seattle, the neighborhood, and/or the site its distinctive sense of place. Design the building and open spaces to enhance areas where a strong identity already exists, and create a sense of place where the physical context is less established. Examples of neighborhood and/or site features that contributed to a sense of place include patterns of streets or blocks, slopes, sites with prominent visibility, relationships to bodies of water or significant trees, natural areas, open spaces, iconic buildings or transportation junctions, and land seen as a gateway to the community.

At the edge of North Admiral and Alki, this site ties into the local fabric and speaks to the neighborhood identity through its main corner entry, response to the zoning changes, and relationship to the streets. The strong street edge along Harbor Ave SW is maintained, while the massing is broken up along 30th Ave SW to relate to the residential zone.

The building’s corner establishes a gateway to the neighborhood, with the building’s main residential entry at the street-level. Additionally, the project responds directly to the two abutting zones – holding the edge along the busy transit-oriented Harbor Ave SW, while providing a more modulated, pedestrian scale along 30th Ave SW. The residential neighborhood to the west feels tucked into the hillside and woods, and the landscaped courtyard will reflect that neighborhood characteristic. The frontage along Harbor Ave SW responds directly to the typical typology of the neighborhood apartment buildings, with an orthogonal form above a plinth-like garage base.

CS2 URBAN PATTERN & FORM

B2 CONNECTION TO THE STREET

Identify opportunities for the project to make a strong connection to the street and carefully consider how the building will interact with the public realm. Consider the qualities and character of the streetscape – its physical features (sidewalk, parking, landscape strip, street trees, travel lanes, and other amenities) and its function (major retail street or quieter residential street) – in siting and designing the building

The proposed project has street frontages along its two long sides – both with distinctly different characteristics. With the building’s mass weighted towards the commercial and industrial zones along Harbor Ave SW, the building holds the line along the busier street – providing entries set back from property line in order to aid in breaking up the façade as well as providing a comfortable and direct entry sequence. The use of planters and greenscreens in conjunction with the street trees adds to the character along Harbor Ave SW.

Along 30th Ave SW (a quieter residential street), the building is set back from the lot edge which reduces the impact of the structure towering over the streetscape. Secondary features along this façade reflect the qualities of the single family residences across the street. A smaller, resident only entry/exit has been provided to directly connect the building to the street with a stair and runnel – allowing residents to connect with the bike paths along SW Admiral Way as well as facilitate an improved connection with their neighbors.



neighborhood typology



residential scale massing



secondary facade elements



identify entry



corner statement

PL2 WALKABILITY

D1 DESIGN AS WAYFINDING

Use design features as a means of wayfinding wherever possible, and provide clear directional signage where needed

Large awnings have been provided at each entry, with the scale of awning directly related to the hierarchical importance of each entry. Wood-tone detailing and similar material palettes at each entry aid in a visual distinction, contributing to clear wayfinding.

PL4 ACTIVE TRANSPORTATION

B3 BIKE CONNECTIONS

Facilitate connections to bicycle trails and infrastructure around and beyond the project. Design bicycling access points so that they relate to the street grid and include information about connections to existing trails and infrastructure where possible. Also consider signage, kiosks, building lobbies, and bicycle parking areas, where provided, as opportunities to share bicycling information

The northeast lobby, as well as the residential entry/exit along the northwest façade are both geared towards bicycle transit. The entry/exit to the northwest incorporates a bike runnel adjacent to the stair and directs residents to the bike lane along SW Admiral Way (directly above the project site and beyond) and additional bus routes. Signage indicating bike and bus routes will be posted inside, directly adjacent to this entry/exit. The northeast lobby is directly adjacent to the frequent use bicycle parking. This bicycle parking will be easily accessed by anyone traveling to/from Harbor Ave SW (and the associated multi-use trail), from the passenger ferry, or from cyclists coming from the south along SW Avalon Way. With this heavily glazed bicycle parking fronting Harbor Ave SW, the importance of bicycle travel is reinforced. Additional information on trails and infrastructure will be provided inside the bicycle parking rooms.

DC2 ARCHITECTURAL CONCEPT

B1 FACADE COMPOSITION

Design all building facades - including alleys and visible roofs - considering the composition and architectural expression of the building as a whole. Ensure that all facades are attractive and well-proportioned through the placement and detailing of all elements, including bays, fenestration, and materials, and any patterns created by their arrangement. On sites that abut an alley, design the alley facade and its connection to the street carefully. At a minimum, consider wrapping the treatment of the street-facing facade around the alley corner of the building.

The building façade has been developed intentionally, with awareness to material texture, patterning, and fenestration. Careful detailing particularly at the southeast corner allows the windows and panels sizes to align. Special attention has been given to the interaction with the residential neighborhood to the north, with the scale of material detailing reflective of the zone transition.

DC2 ARCHITECTURAL CONCEPT

C1 VISUAL DEPTH AND INTEREST

Add depth to facades where appropriate by incorporating balconies, canopies, awnings, decks, or other secondary elements into the façade design. Add detailing at the street level in order to create interest for the pedestrian and encourage active street life and window shopping (in retail areas). Detailing may include features such as distinctive door and window hardware, projecting window sills, ornamental tile or metal, and other high-quality surface materials and finishes

Balconies have been incorporated into the façade design along 30th Ave SW. These secondary elements provide a level of detail and materiality respective of the single family zone the project fronts. Along the Harbor Ave SW frontage, the addition of balconies as a secondary element help to break up the long façade. Additional secondary elements include awnings at each entry, with their size respective of the importance of each. Throughout the north and south nodes, the windows and doors have been recessed to aid in the distinction of the masses while providing additional visual interest. Directly adjacent to the main (southeast) entry, an art screen adds visual interest along the street level. High quality board-formed concrete is also proposed along the Harbor Ave SW street façade.

Scheme 3: INTERLOCK (PREFERRED)

Scheme 3 is the preferred scheme. It breaks up the building’s mass and provides a landscaped courtyard element facing 30th Ave SW, while providing a reduced bulk towards the southern edge of the property. The southern mass is shorter than the northern masses, helping to create a transition in building scale and increasing the building’s legibility. The lobby is located at the southern corner, with garage access off of Harbor Ave SW on the north end of the site.

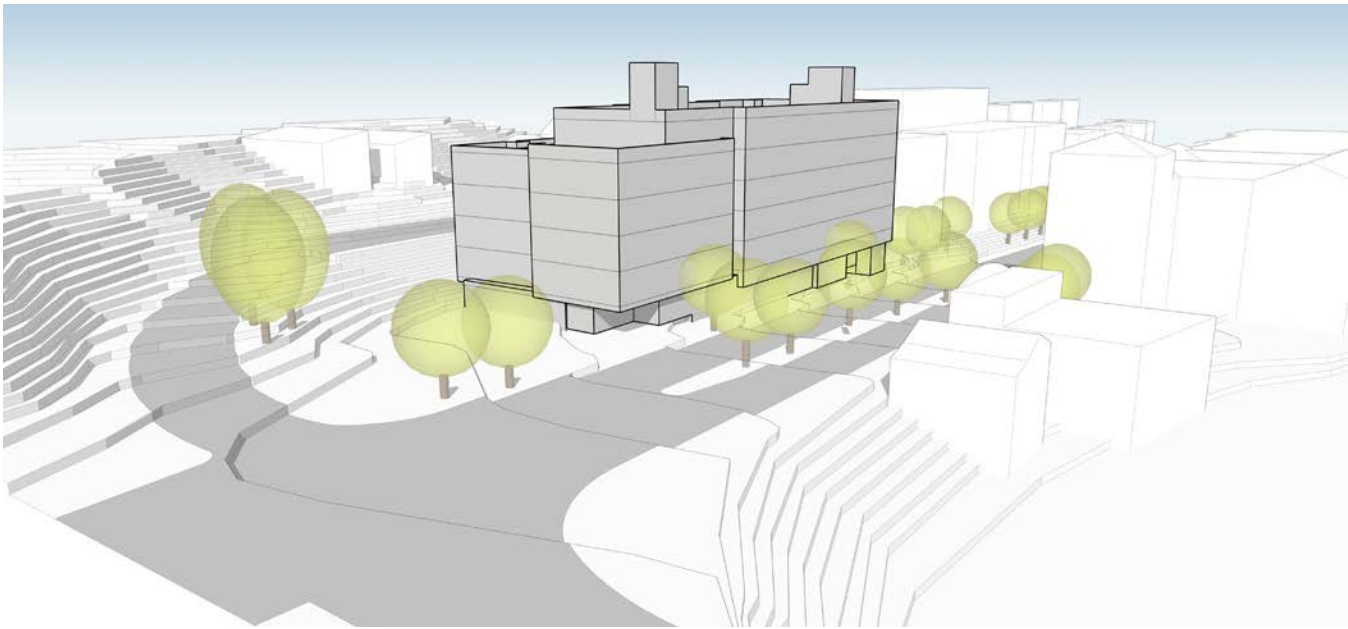
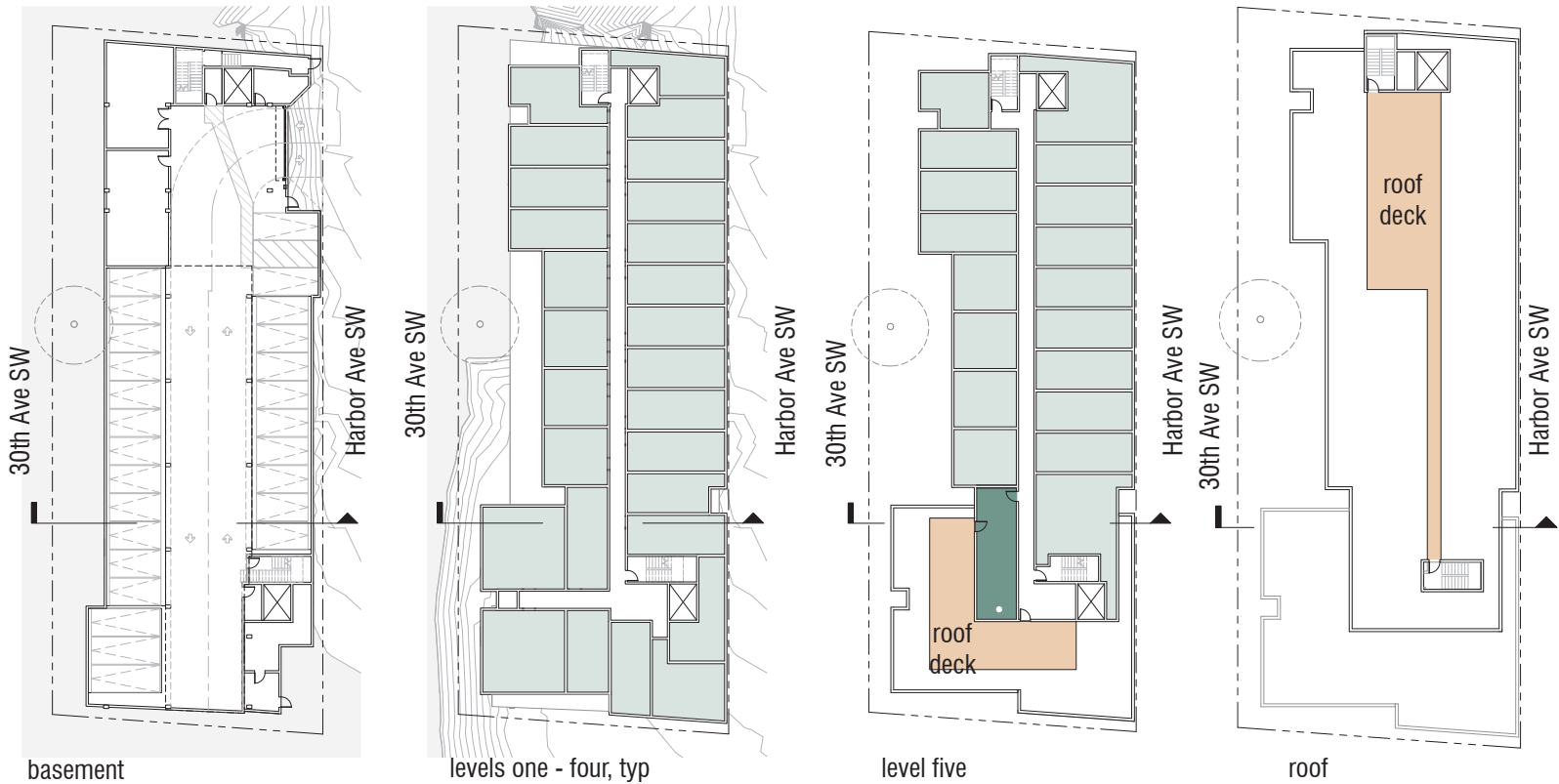
NO. OF UNITS: 126 apartments
PARKING: 71 stalls

- BENEFITS:
- Gestures towards the assumed corner shared with SPU property to the south.
 - Responds to site topography, stepping with the slope in the north and south direction.
 - Locates the bulk of the massing away from the 30th Ave SW residential zone.
 - Larger courtyard allows for usable landscaped areas for increased eyes on the street and connections with the neighborhood.

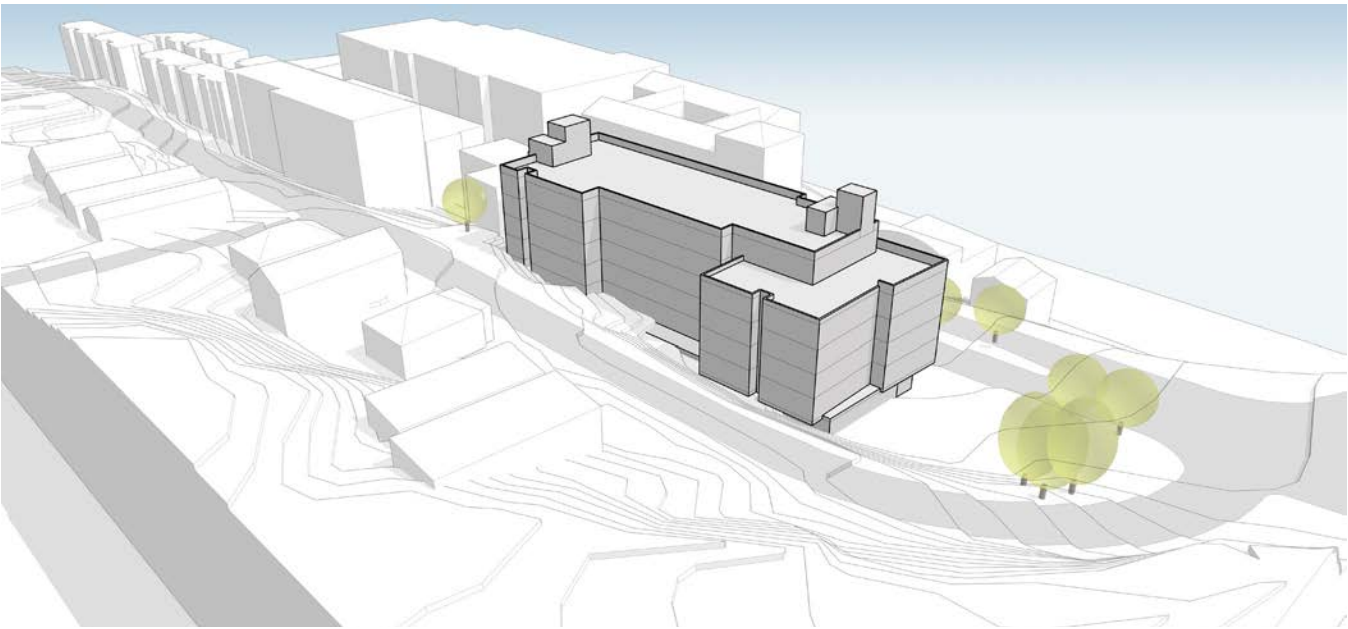
- CONCERNS:
- Tallest portion of mass faces the adjacent neighboring multi-family building to the north.

- POTENTIAL DEPARTURES:
- Exceptional tree
 - Street-level parking

- COMMUNITY OUTREACH INTEGRATION:
- Provide dog waste receptacles along 30th Ave SW.
 - Significantly increased parking over code compliant proposal (42 parking stalls in “hinge” scheme)
 - Roof deck set back from edge of building.
 - Large landscaped courtyard encourages engagement with residents of 30th Ave SW.
 - Lower level terraces accommodates this engagement while setting the building back from property edge helps to maintain privacy of residential neighbors as requested.



aerial view from West Seattle Bridge



aerial view north along 30th Ave SW

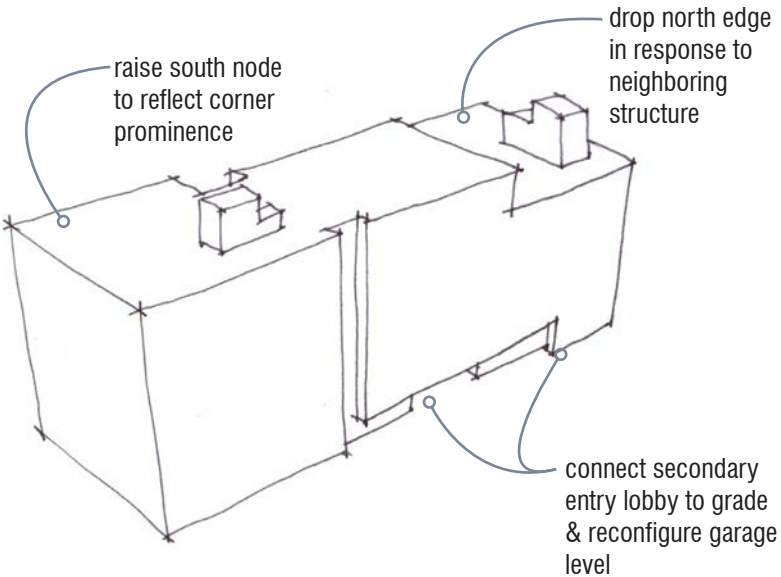
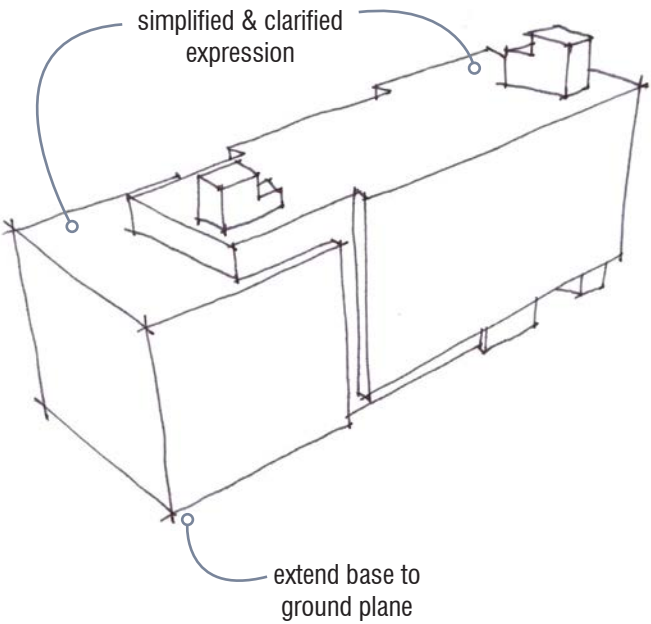
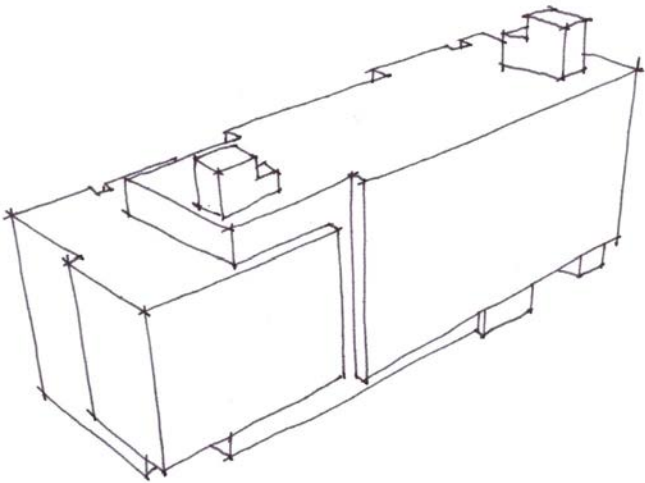
massing evolution

3417 Harbor Ave SW is a new 5 story over basement garage apartment complex. The building is comprised of (91) 1-bedroom and (24) 2-bedroom apartments, as well as parking for 65 vehicles. A common roof deck is located on the north end of the building. Located on a steeply sloping lot at the intersection of multiple zones, the project aims to respond to the neighboring residential neighborhood to the west as well as the industrial neighborhood to the east. Directly to the north is another multi-family structure comprised of 57 units.

Following the EDG meeting, the Board recommended Scheme 3 to be explored and developed further. The Board offered specific guidance, and in conjunction with the design team's exploration, the overall massing has evolved as illustrated here. See pages 14-30 for itemized responses.

The developed scheme shifts the hierarchy of the mass in order to provide a more prominent corner condition at the southeast edge, while stepping down the mass toward the adjacent structure to the north. The building now has a main public entry at the southeast corner, a residential entry (connecting to the bike parking, mail room, and garage) at the northeast corner, and a residential pedestrian exit at the northwest corner, connecting to the ROW above.

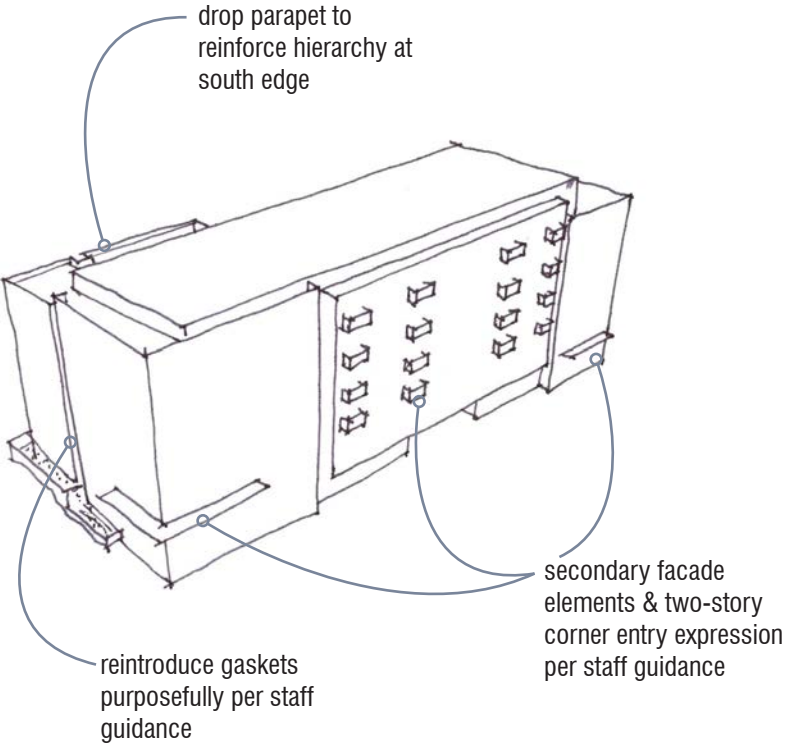
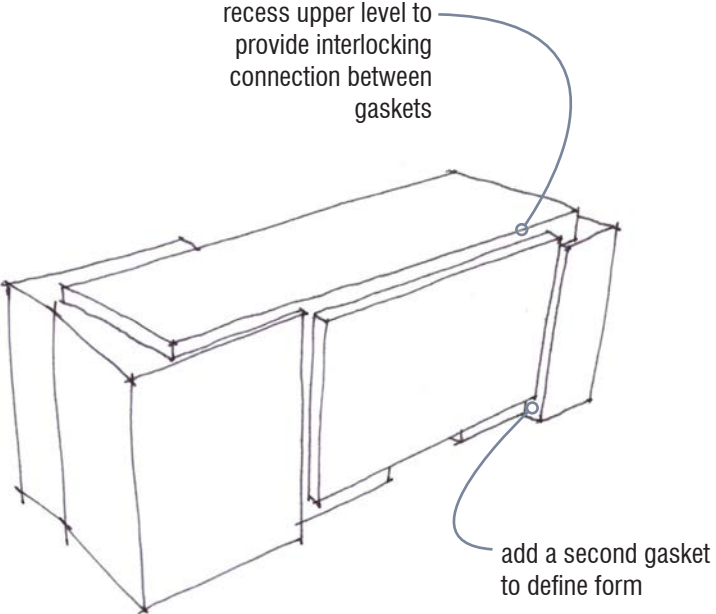
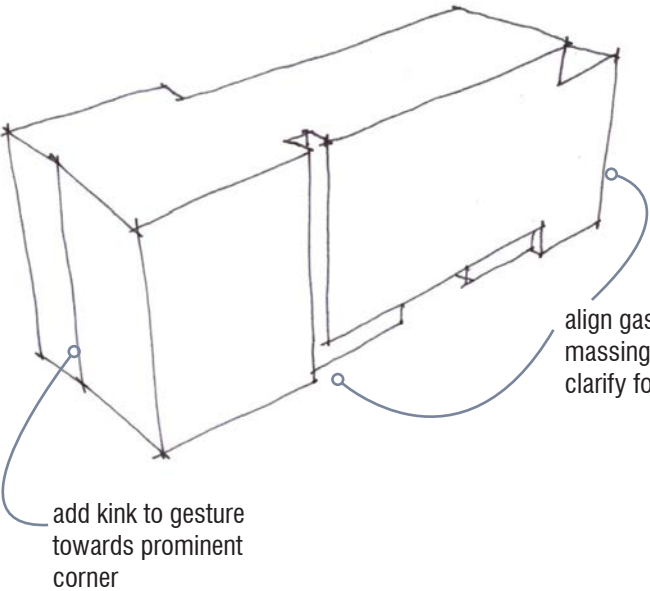
Due to the long frontage along both Harbor Ave SW and 30th Ave SW, the mass has been broken into three sections; the north and south nodes are connected by the central bar, and the materiality is expressed accordingly. Panels are carefully detailed along the two nodes, with the patterning adjusted between the corner entry condition and the residential facing facades. Windows are recessed along these facades, with deeper metal trim provided at the corner expression. The central bar reflects the residential neighborhood, with horizontal lap siding reinforcing the horizontal bar. Secondary architectural features and materials reflect the building's place between two zones.



massing @ EDG

◦ simplify the overall mass

◦ provide a hierarchy in massing & height



◦ provide order & logic to mass

◦ clarifying massing concept

◦ final massing

board guidance

Southeast Corner - The Board was supportive of the beginnings of the southeast corner expression but would like to see the corner be treated as more of a gateway with greater presence through material detailing and perhaps massing refinements. The Board suggested simplifying the massing from a split form to a singular massing volume on the south façade (CS2-A, CS2-D).

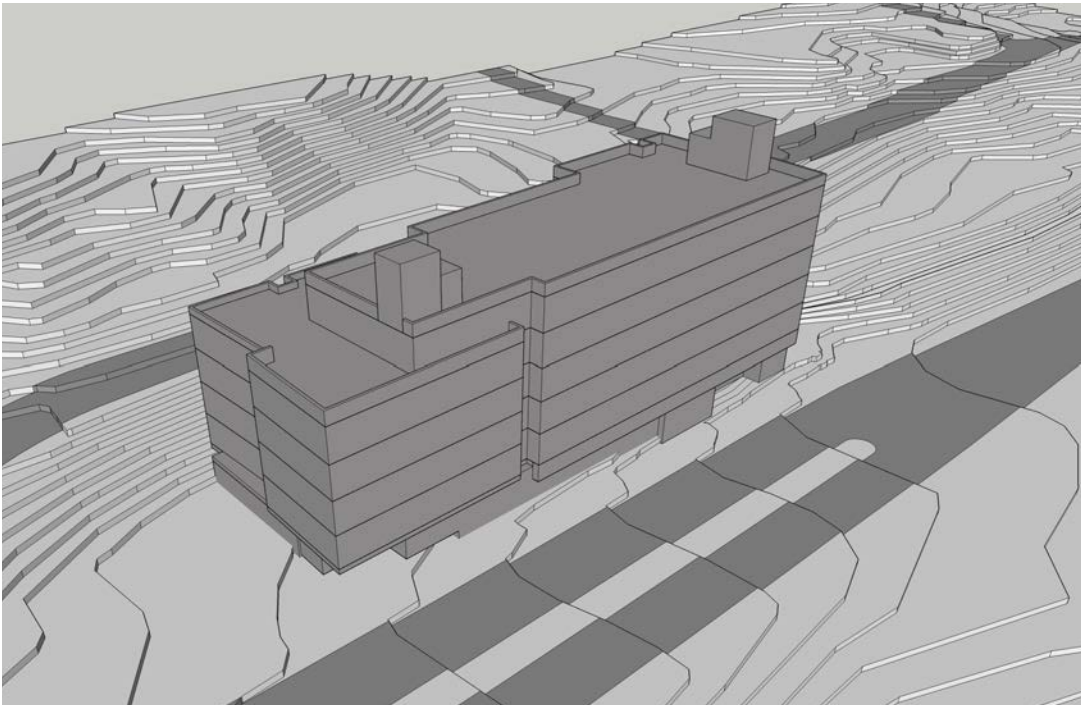
design response

Following the Board's guidance, the design team explored a refined and simplified overall massing, particularly at the southwest corner expression. Rather than maintaining a dropped massing at this southwest corner per the EDG proposal, the corner element has been extended vertically by extending to the 5th floor, and continuing the mass down to the grade plane. The modulation of the split form has been simplified, initially with a singular massing volume. Per staff guidance, subsequent development of the massing has reintroduced the gaskets at the south and west facades, but maintains the taller, clarified massing. Larger glazing panels in an expressive pattern, wood tone accents, and a simple siding pattern (related to, but not identical to the rest of the mass) strengthens the south corner and gateway expression.

- The taller, unified massing expression at the south corner signifies its prominence as the main entry and a gateway expression.
- The mass is extended to the grade plane in order to ground the mass.
- A large feature awning has been added to reinforce the corner expression.
- The massing's kink (amplified by the gasket) gestures towards the corner, allowing the materiality of the corner to be expressed differently than the rest of the mass.
- Windows and doors throughout the building are stacked vertically, with the exception of the southeast corner. Here, the staggered windows allow for the incorporation of wood tone panels related to, but distinct from the rest of the building. This distinct compositional order reinforces the corner element.

design guidelines

- CS2-A Location in the City and Neighborhood
- CS2-D Height, Bulk, and Scale
- CS1-E2 Adding Interest with Project Drainage
- PL2-D1 Design as Wayfinding
- DC2-A Massing



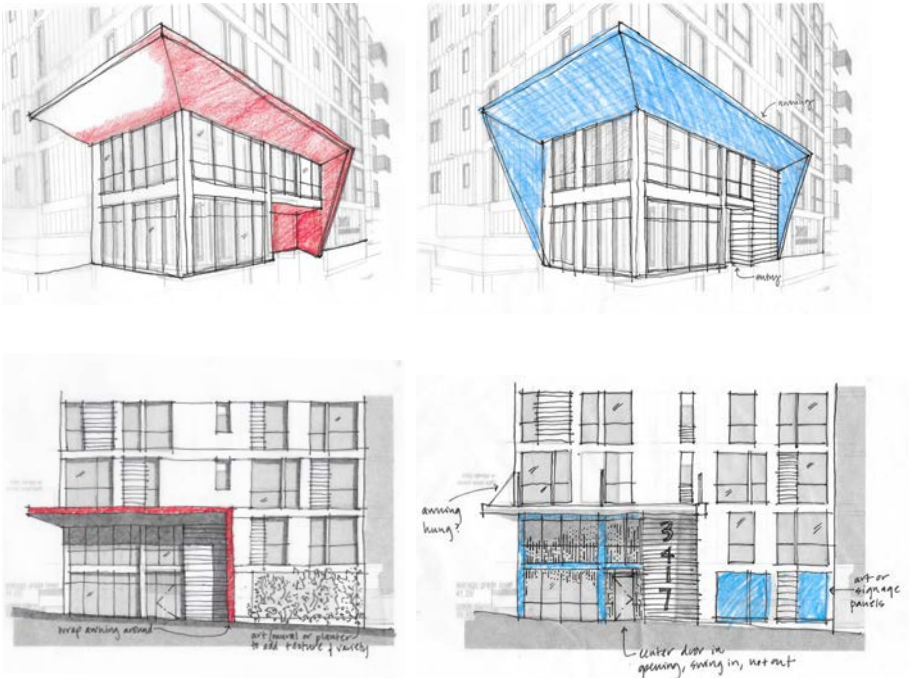
proposed massing @ EDG



proposed massing from SE corner



proposed massing



sketches of corner designs

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board guidance

Harbor Ave SW - Related to the corner expression, the Board provided guidance to enhance the expression of the lobby entrance at the southeast corner exploring greater height, size, seating, lighting or other means of enhancing legibility of the entrance. In addition, the Board would like to see the north end exit along Harbor Ave SW become a secondary lobby rather than an egress only (CS2-B2, PL3-A).

design response

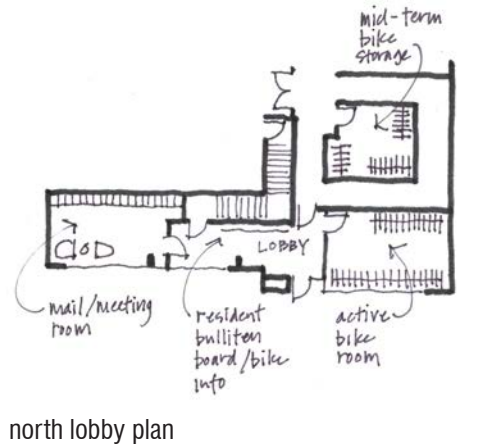
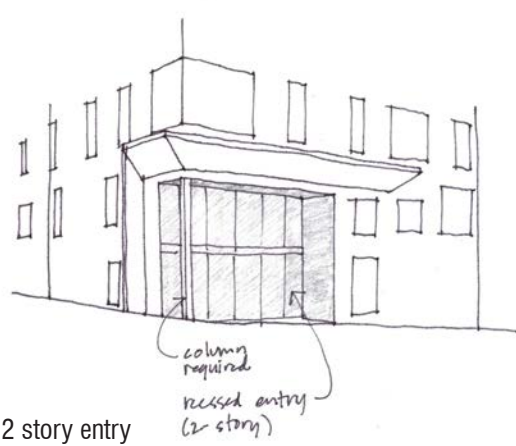
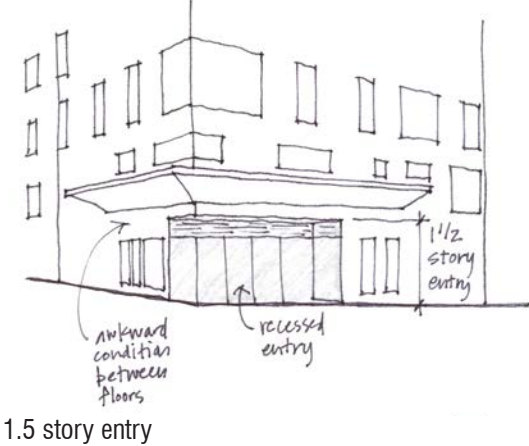
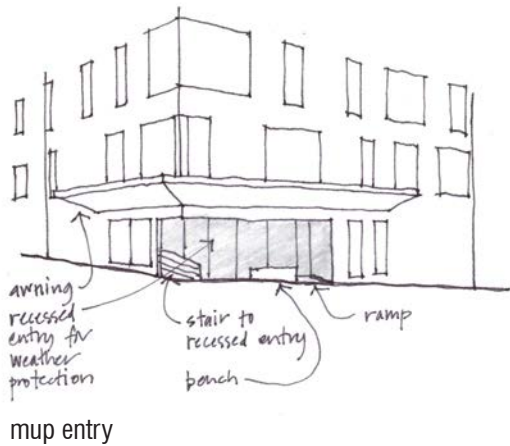
Previously, the proposal included a recessed residential entry at the southeast corner, with an exit-only condition at the northeast. The plan has been reworked in order to accommodate a primary entry at the southeast corner and secondary entry at the northeast corner. These entries relate to each other visually, but prominence is given to the southeast entry (as the corner expression) through massing and detailing. The scale, detailing, and proximity to the bus stop of the southeast entry identifies it to visitors as the main public entry, while the northeast entry has been modified and enlarged to function primarily as a resident entry.

The design as proposed at MUP included a sunken entry and a pitched awning at the southeast entry in order to provide additional height. Staff guidance suggested that this created a pinched condition rather than a grandeur entry expression and requested that we evaluate a two-story option. Following that guidance, we evaluated several options including a 1.5 story entry and 2 story entry. However, due to the small unit size above the lobby and the compact lobby itself, this resulted in an awkwardly tall lobby experience while also resulting in the loss of a unit. Focusing on the staff guidance to provide a grandeur entry expression, we have raised the awning, enlarged the lobby to align with the floor above, and treated the fenestration of the unit above in the same manner as the lobby. This design allows for a two-story expression commiserate with the scale of the building

- The taller southern massing, with the larger corner awning, storefront glazing, and wood tone siding immediately identifies itself as the public entrance.
- The awning at the southern massing angles upwards in order to enhance the height and volume of the entry sequence, again signifying it as the main entry.
- The awning at the northern entry reflects the same material palette, in a more modest scale, prioritizing function.
- Exterior signage and lighting have been provided at both entries, with a priority in size given to the southeast entry.

design guidelines

CS2-A Location in the City and Neighborhood
CS2-B2 Connection to the Street
PL2-D1 Design as Wayfinding
PL3-A Entries
PL4-B3 Bike Connections



view of south lobby

address numbers & building signage, exact design to be determined

view of north lobby

board guidance

Harbor Ave SW - The Board was concerned with the 126' façade length along Harbor Ave SW . At the next meeting the Board expects to see material application and secondary detailing to break up and provide a smaller scale to this long street frontage (CS2-D, DC2-A, DC2-B1)

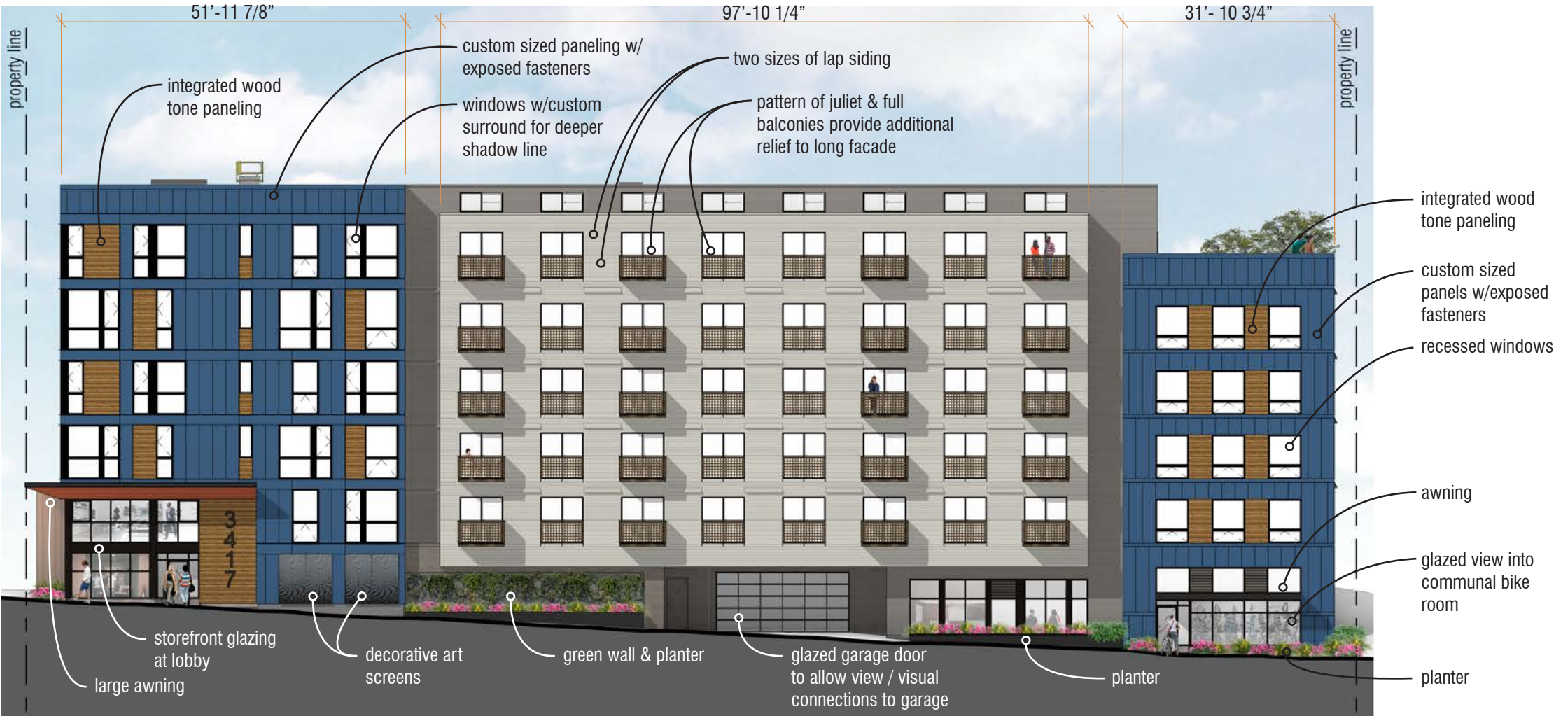
design response

In response to the Board's guidance regarding the massing of the southeast corner expression, stepping down the massing at the north edge, and providing a secondary northeast entry, the massing has now been broken into three, with the northern and southern nodes connected by a central interlocking bar. Additionally, gaskets have been provided, separating each mass, which aids in further breaking up the overall length of the façade. The addition of balconies and julets as secondary elements at the center mass help to further break down the length of the façade. At the ground level, programmatic elements have been rearranged to accommodate additional glazing and visual interest.

- The proposal seeks to use different siding and fenestration languages to create visual interest and movement along the street frontage; the north node uses a lively siding pattern with regimented windows, while the southeast corner expression uses a regimented siding pattern with lively fenestration and wood tone paneling. The central interlocking bar utilizes a connective horizontal banding pattern for the floors above, and horizontal board formed concrete for the garage level.
- On the upper floors, siding type and detailing such as recessed windows and doors on the north and south nodes bookend the structure. Secondary detailing is provided with balconies and julets.
- The north and south nodes' glazed entries and landscaping adding visual interest at the ground level.
- The quantity of car parking fronting the street façade has been reduced, with a communal mail / meeting room and bike parking provided at the ground level. This allows for increased fenestration and visual activity.
- The section of wall without fenestration has been significantly reduced from the EDG proposal. Greenscreens and planters are provided along this section, which will help break up the façade length while contextually responding to similar planters in the neighborhood.

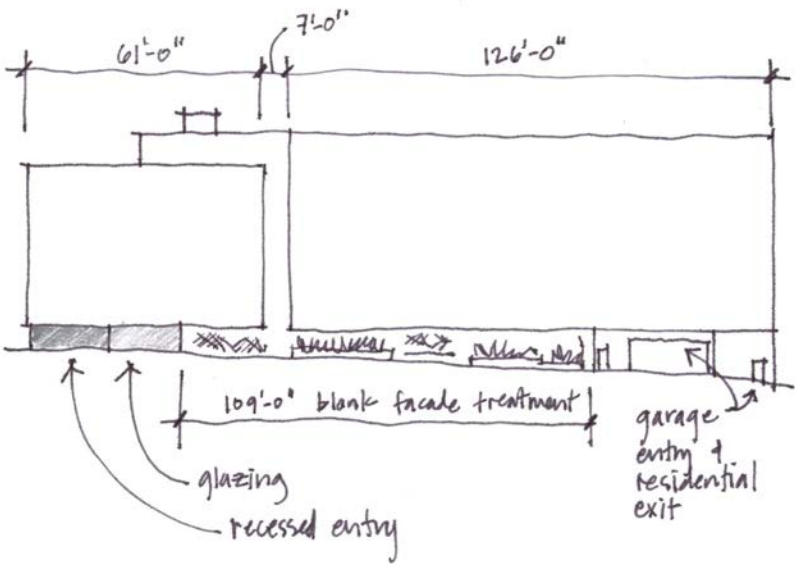
design guidelines

- CS2-A Location in the City and Neighborhood
- CS2-D Height, Bulk, and Scale
- PL2-D1 Design as Wayfinding
- DC2-A Massing
- DC2-B1 Façade Composition



proposed east (Harbor Ave SW sw) elevation

The east elevation (Harbor Ave SW) at EDG had long sections of façade, up to 126'. The revised design breaks the façade down into smaller sections and also provides additional secondary detailing to provide a smaller scale to this long façade.



Early community feedback requested the project incorporate public art as a nod to the culture of public art in the neighborhood. This project is working with local West Seattle artists/makers to provide decorative metal art screens, which will provide visual interest along the long façade, as well as firmly connect this building to the neighborhood.



Examples of art screens

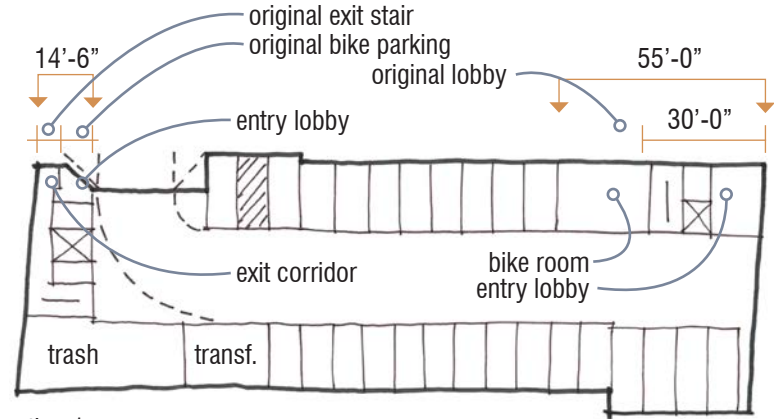
board guidance

Harbor Ave SW - The Board was concerned with blank wall along the parking garage level and provided guidance to further explore alternative layouts of the floor plan with the goal of improving visual interest and activation along the street-level. The Board suggested swapping out the bicycle storage and parking spaces (DC2-B2, DC1-C2).

design response

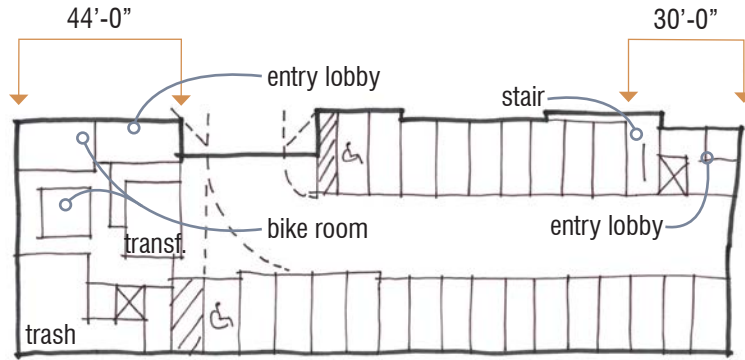
Per the Board’s guidance, we evaluated several new parking layouts that would accommodate reduced parking fronting the street façade. In particular, it was suggested that we flip some of the car parking and bike parking, so that there could be a more active front façade. We evaluated several different options for the parking layout, and ultimately revised the plan in response to the Board’s guidance.

- By rearranging the parking, we were able to reduce the parking at the front façade from 98’ to 61’ (for a reduction of approximately 40%)
- We eliminated the interior storage and exit-only corridor on the north end of the building in favor of a new secondary lobby, mailroom, and bike storage all with fenestration to help activate the façade.
- The blank wall directly in front of the parking is mitigated with the addition of planters and green screens.
- The section of wall without fenestration has been significantly reduced from the EDG proposal. Greenscreens, planters, and an art screen incorporating signage are provided along this section, which will help break up the façade length while contextually responding to similar planters in the neighborhood.
- In an effort to provide even more transparency, the garage door (which will remain mainly closed) will be glazed for transparency. Additional safety features at the garage entry/exit include full sight triangles (no request for reduction) and patterned/grooved pavement at the garage entrance to alert pedestrians of this access point.



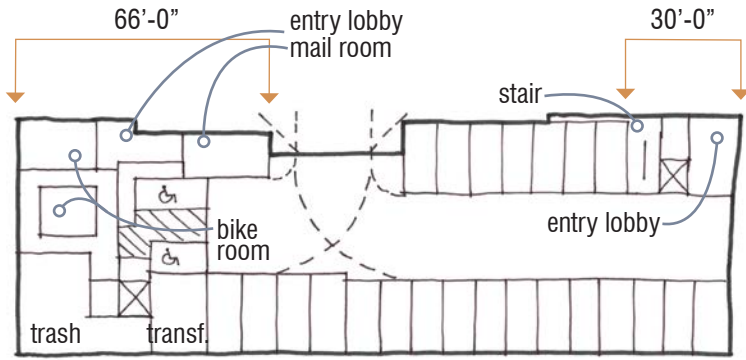
option 1:

- move bike storage to front facade
- provide new lobby @ north stair
- decrease in car parking facing Harbor of 9%



option 2:

- shift drive south to enlarge south lobby
- provide bike parking facing Harbor
- decrease in car parking facing Harbor of 13%



option 3 (proposed):

- shift drive south to enlarge south lobby & provide active mail room
- provide bike parking facing Harbor
- decrease in car parking facing Harbor of 38%



Harbor Ave SW garage entry

design guidelines

- PL4-B3 Bike Connections
- DC1-C2 Visual Impacts
- DC2-B2 Blank Walls
- DC4-A1 Exterior Finish Materials



wood tone siding



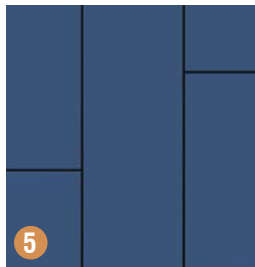
storefront



green screen



decorative metal art screen



equitone pictura panel



grooved pavement



garage door



board formed concrete



primary lobby, looking north



bicycle & mail / meeting rooms, looking south

board guidance

30th Ave SW - Along 30th Ave SW the Board would like to see further refinement that creates a more neighborly response, perhaps creating a connection to the courtyard or common residential entry, terracing slope down to the courtyard and patios, and clarifying both the landscaping and fall protection along this edge (DC2-A1, CS1-C).

design response

The steep slope located between our property line and the edge of the road provides a variety of challenges. As part of the SIP review process, the design team has been coordinating directly with SDOT on the required street improvements. As such, these improvements have an impact on the relationship between the street on 30th Ave SW, the steep slope, and the project’s intended courtyard.

- In coordination with SDOT, the sidewalk will be provided on the west side of the street, in order to connect safely to the greater sidewalk network. The street will also be widened in an effort to better support the existing neighborhood, as well as provide safe transit for fire and medical vehicles. The west side of the street will have a curb, and where required a retaining wall (less than 4’ tall) with safety guard as required along the edge of the slope.
- A residential entry has been added to the northwest node as recommended by the board. A stair and associated bike runnel have been provided in order to allow residents a neighborly, and easy access to 30th and beyond.
- Several of the 1st floor units have access to patios, and the majority of the upper level units have balconies which help to activate the façade and provide a direct visual connection to 30th Ave SW.
- Bio-retention planters aid in terracing the slope, allowing for a more gradual transition between the property line and planter edge.

design guidelines

CS1-C Topography
DC2-A1 Site Characteristics and Uses



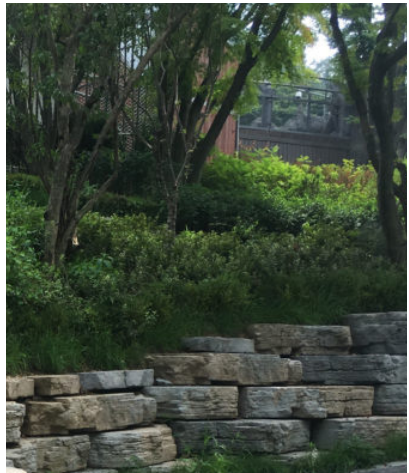
terraced landscape



runnel at stair

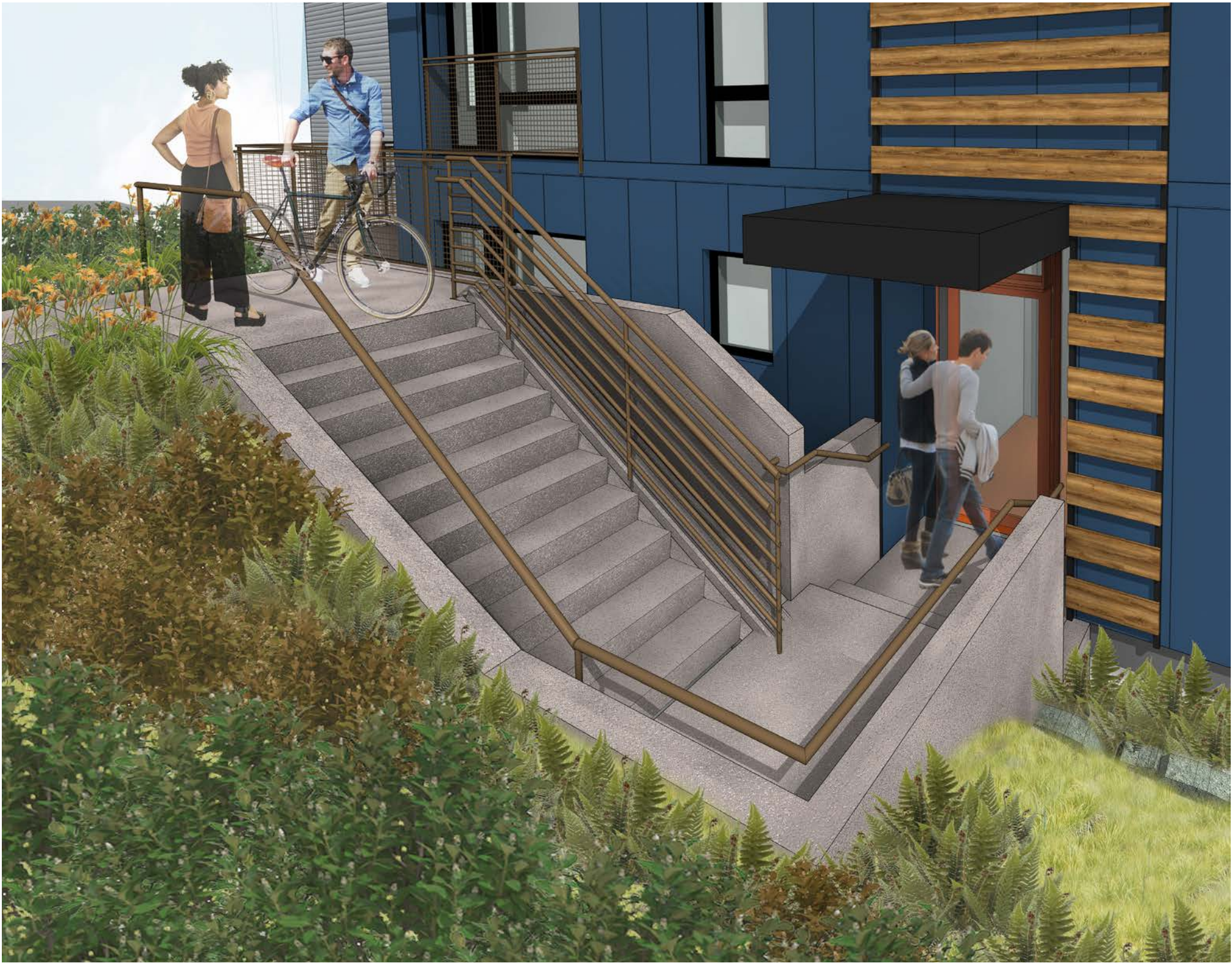


raised curb as required by SDOT



terraced landscape

30TH AVENUE SW ENTRY



A resident-only entrance/exit has been provided facing 30th Ave SW. This allows for a neighborly pedestrian and bike connection to 30th Ave SW and SW Admiral Way beyond with a stair and runnel connection. The entrance takes its material cues from the lobby entrances on Harbor Ave SW, using wood tone accents, a metal awning, and a pop of color with coral door and windows, while still maintaining a more residential scale.



10.0 DESIGN REVIEW RESPONSE | itemized response to EDG

board guidance

North Edge - Echoing public comment, the Board was unclear on the relationship of the proposed massing to the adjacent building to the north. At the next meeting, clarify this condition with sections and window privacy studies. In addition, the Board noted it may be more beneficial to provide a step down in massing at this edge than at the south end and would expect to see exploration of this at the next meeting (CS2-D5).

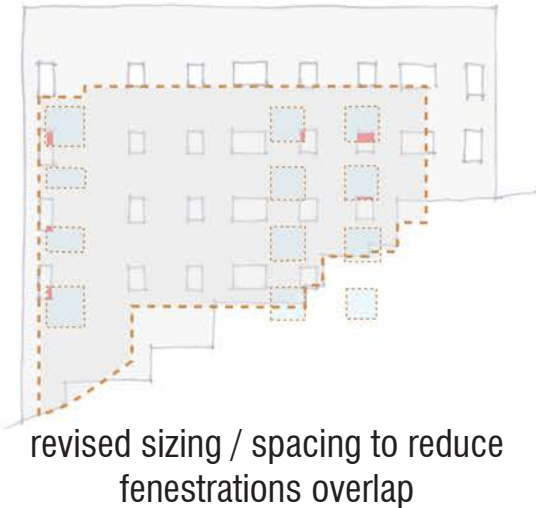
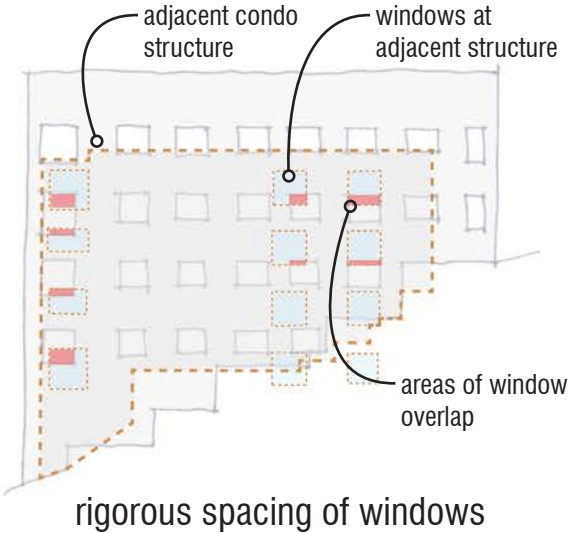
design response

Per the Board's guidance, the taller more prominent corner of the building has been relocated to the south edge, allowing the building to step down adjacent to the neighboring structure. Care has been taken to reduce the impact of the new structure on the neighboring building. A variety of roof deck locations were explored, however programmatically we believe it is important to locate the roof deck connected to an indoor amenity space in order to be more usable throughout the year and various weather conditions. With the dropped massing along the north per the Board's guidance, the roof deck is located to the north as well.

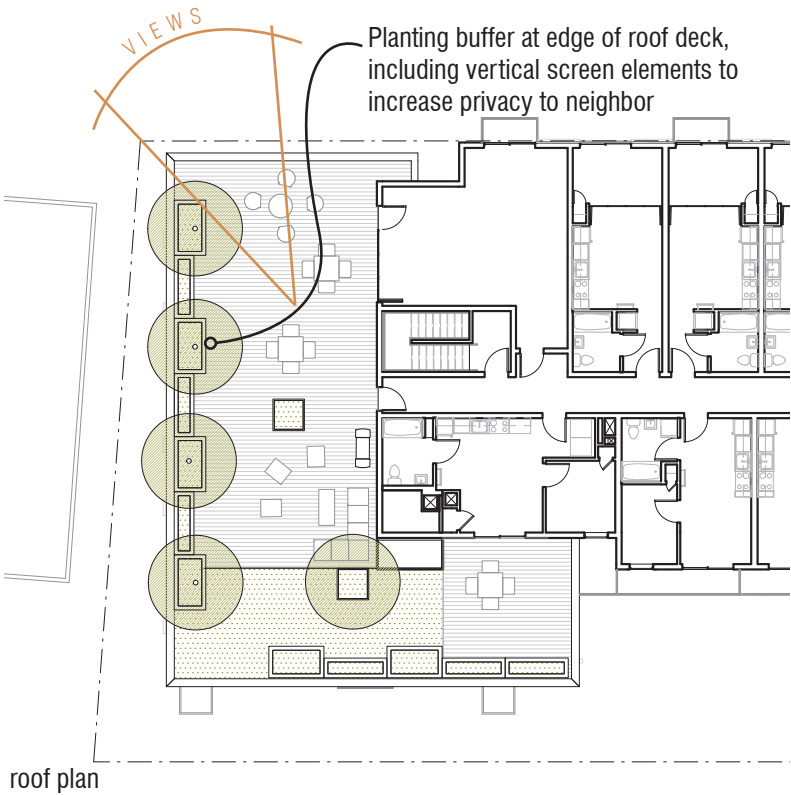
- Previously, the massing was located 5' from the property line on the north side, and was a full 5 stories over a basement tall. In response to the Board's guidance and neighborhood comments, the building has been shifted and now tapers from 4'-4" (adjacent to the section of blank wall) to 7'-5" (adjacent to neighboring windows) from the shared property line. Landscaping has been provided between the building and property line edge to further mitigate the impact of the building.
- The massing has been modified to step down at the northern edge, in response to the neighboring building.
- Glazing on the north façade has been minimized and studied to avoid conflict with the neighboring windows as much as possible, and per neighborhood comment no private balconies are proposed along this facade.
- A landscape buffer including trees is provided on the roof deck to screen the neighboring property from the public amenity space, keeping residents away from the edge and further from the neighboring structure.

design guidelines

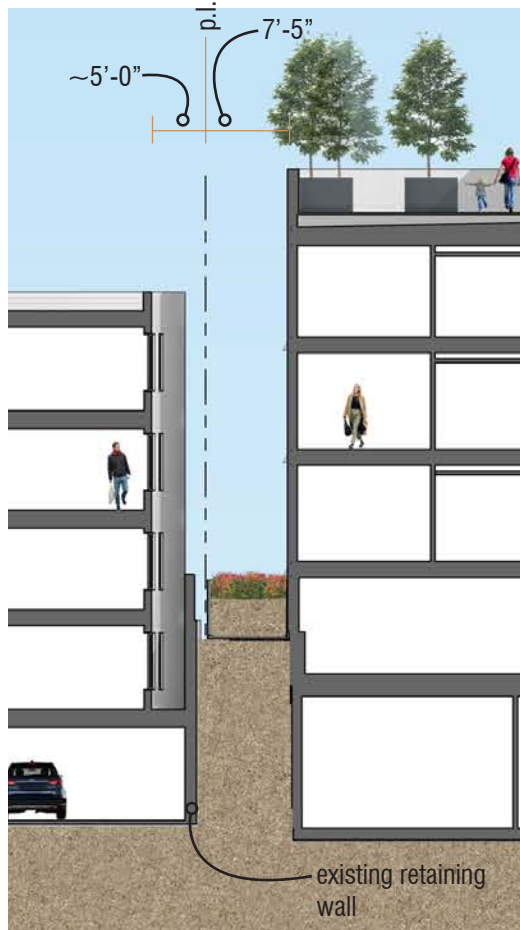
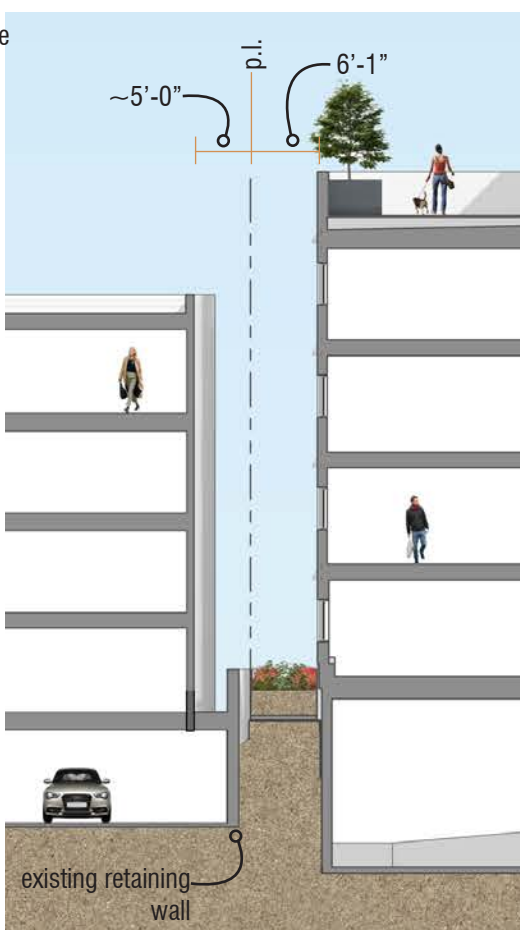
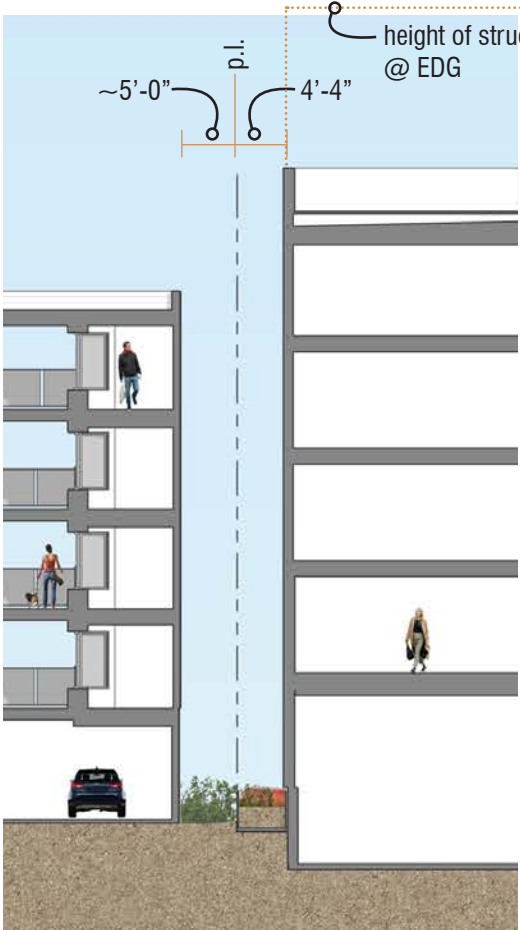
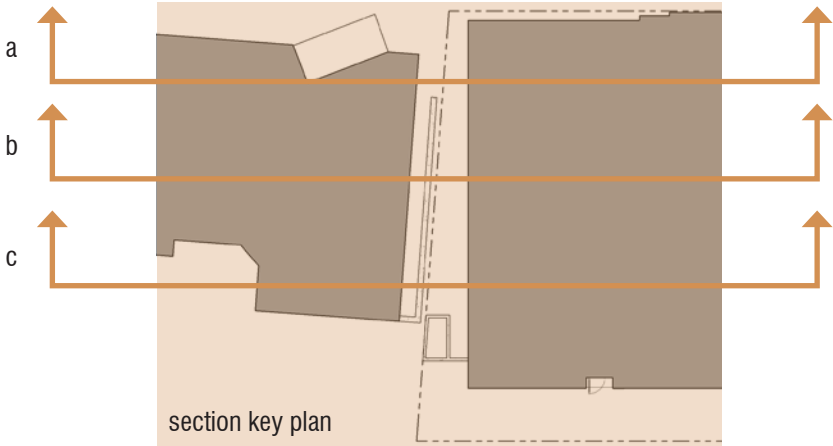
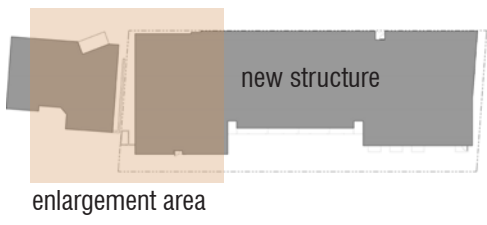
CS2-D5 Respect for Adjacent Sites



final strategy



The new structure is held off the property line and moves further away from the existing structure as it moves west, providing the greatest distance between buildings where the neighboring structure's windows are located.



board guidance

Landscaping - The Board appreciated the sketches and precedent images provided; however, the Board would like to see a more accurate depiction of relationship between the sidewalk and the project's courtyard and patios. In addition, explore how terracing and landscaping could be designed to create a more gradual transition along the steep slope (DC2-A1, CS1-C).

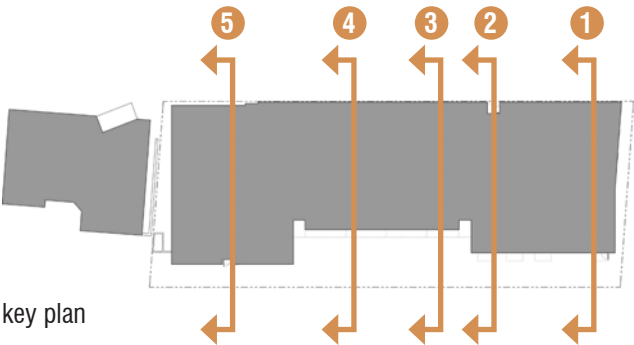
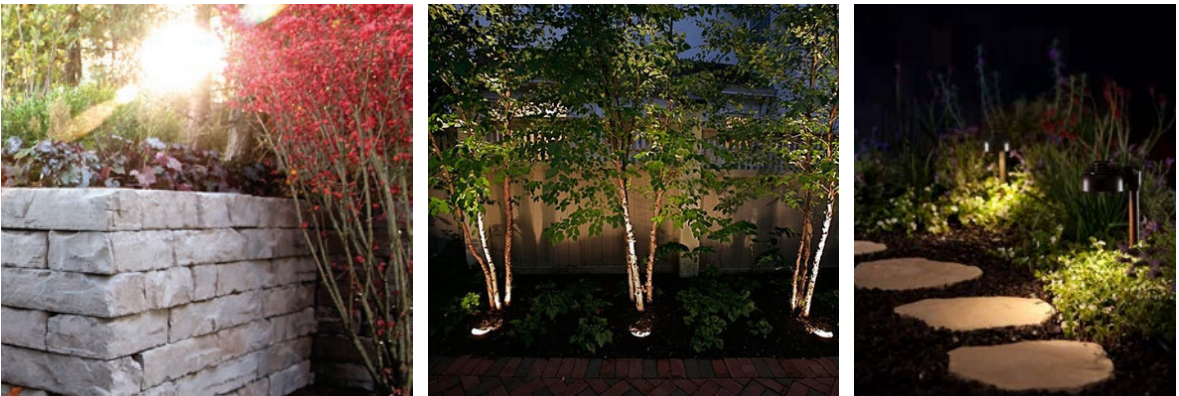
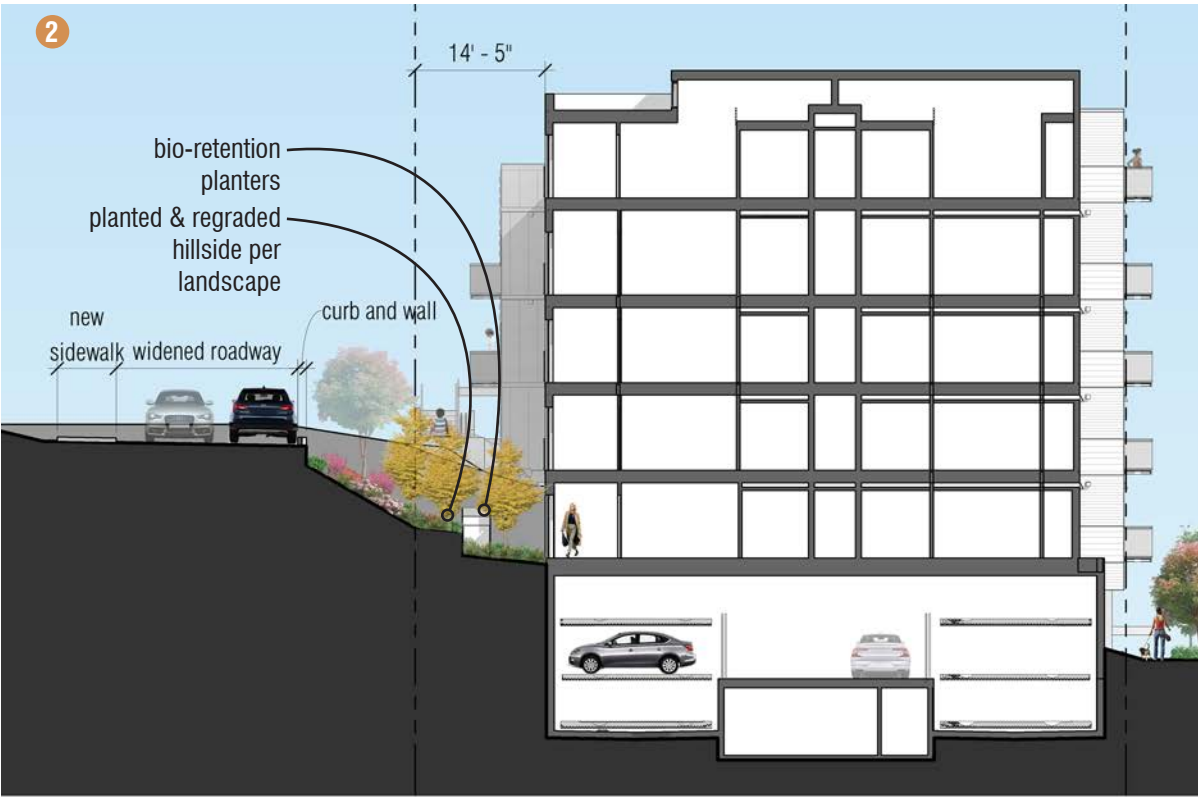
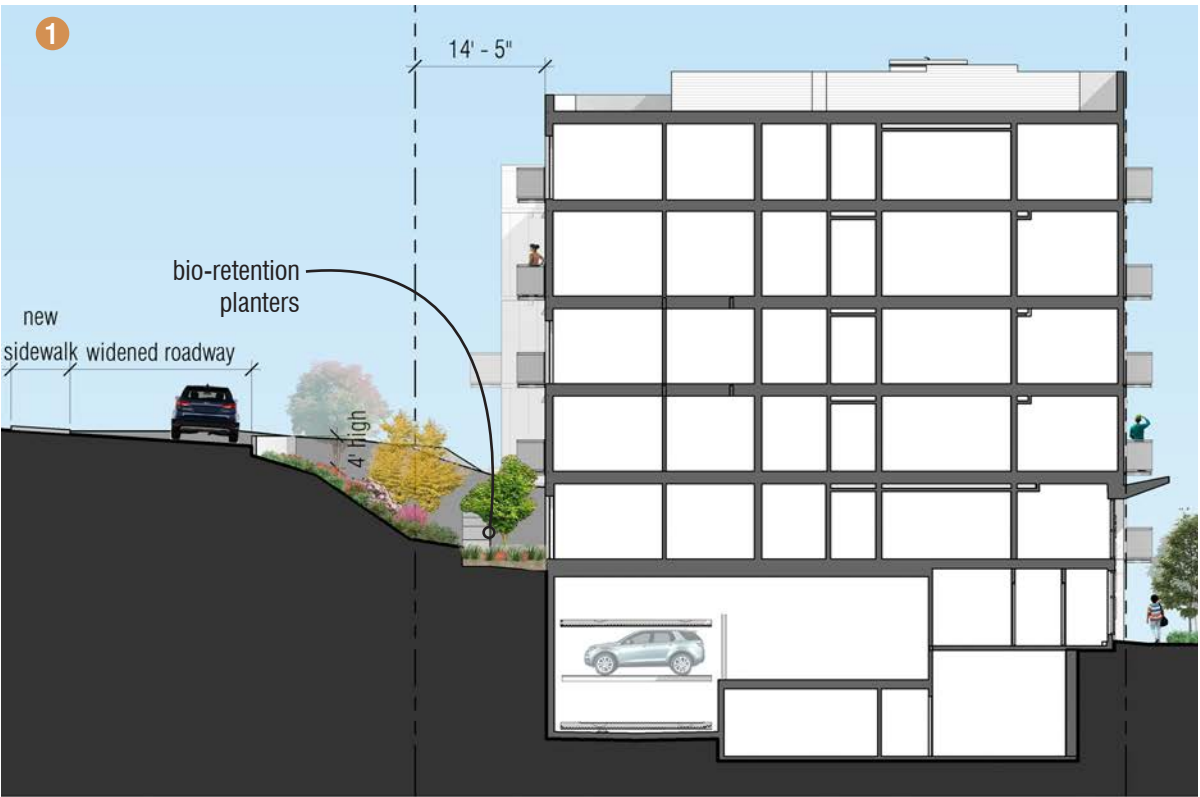
design response

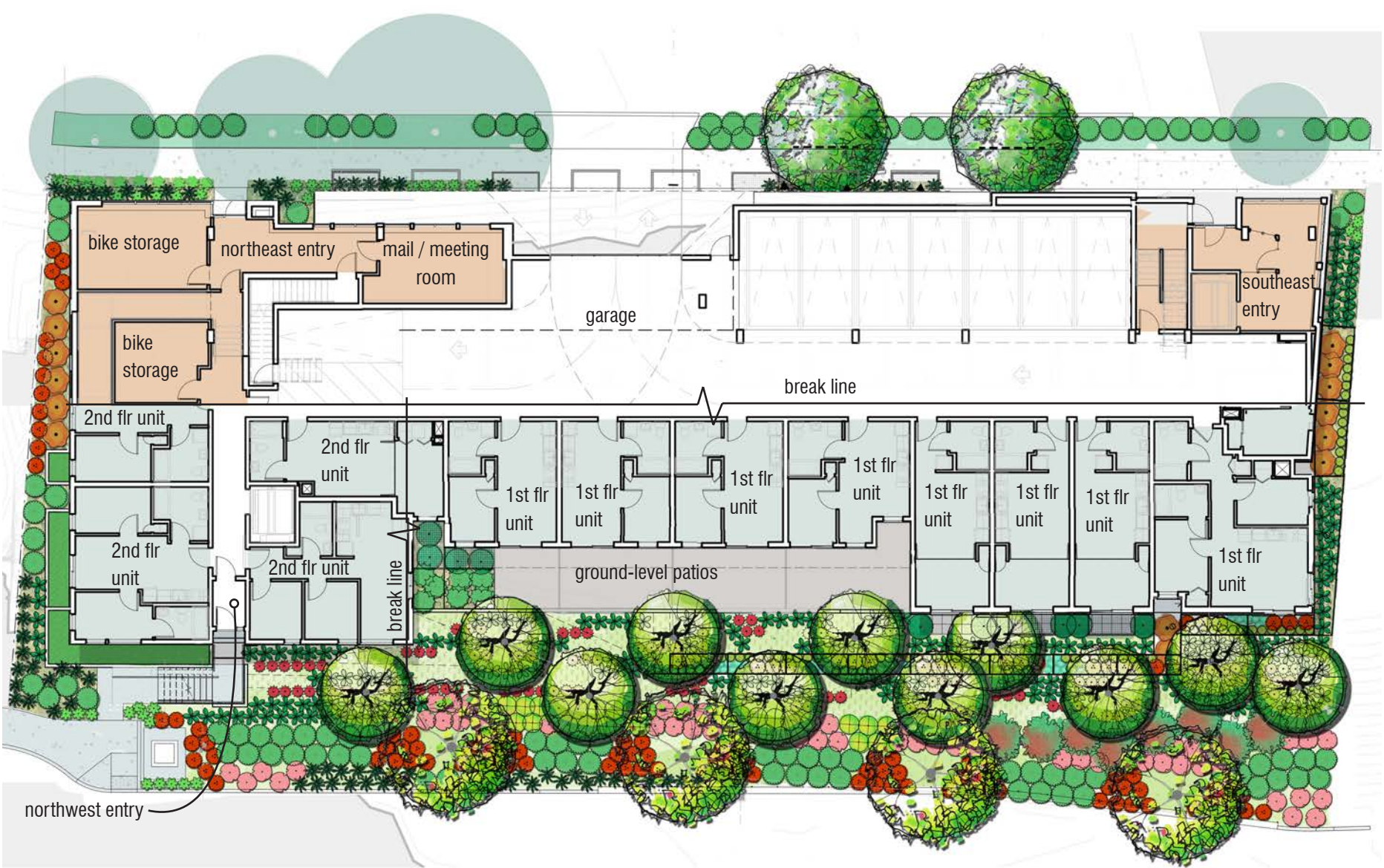
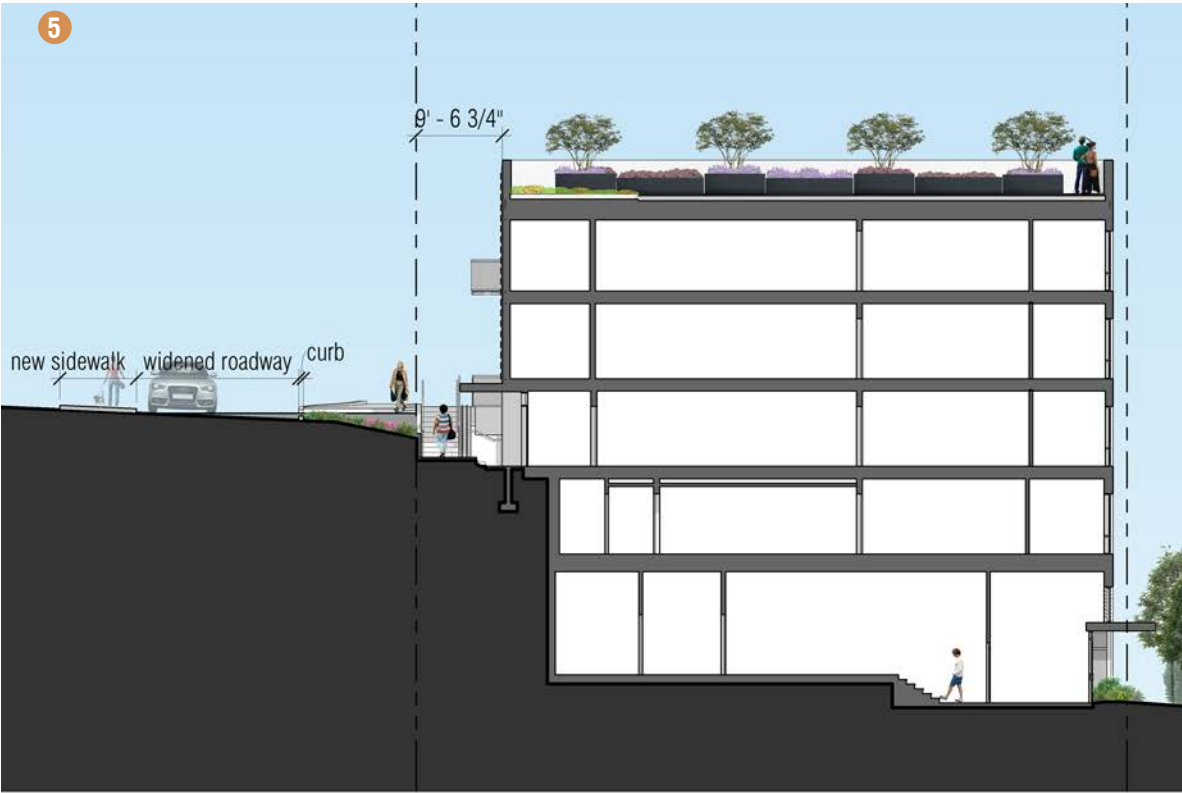
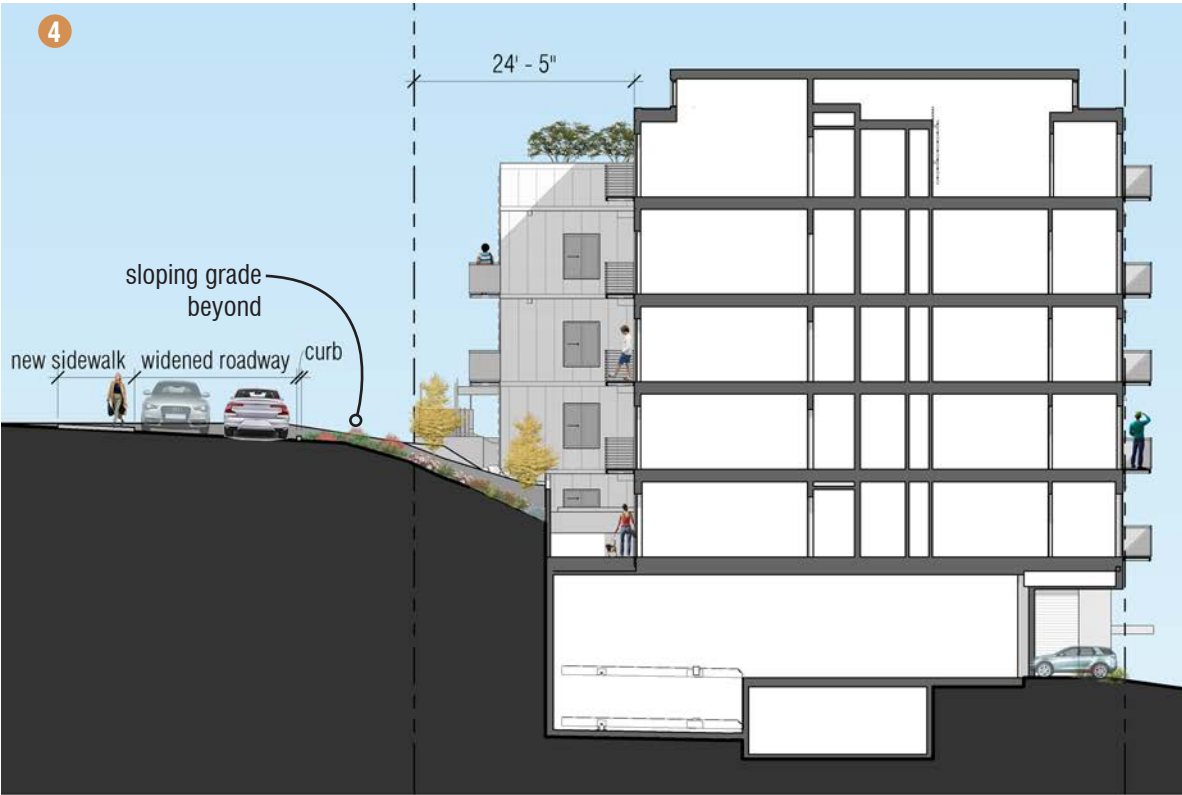
The slope along the western edge of the property slopes in multiple directions, with the steepest portions along at the north and south corners. Where possible, the slope has been re-graded in order to provide a more gradual transition, and the building has been sited in order to provide at grade connections at multiple levels.

- The new residential entrance on 30th Ave SW exits at grade, with a stair and runnel provided to connect to the street above. By locating this connection at the northwest corner, it takes advantage of the shortest elevation change along 30th.
- Planters and bio-planters help to terrace the slope, while providing additional privacy for neighbors and residents alike.
- Units at the courtyard exit directly on grade, and are able to connect via pathway to the hillside and stairs above.
- The landscape design along this façade continues to develop the terrace concept proposed at EDG, softening the hillside with layers of planting, adding texture and color for both the building's residents and neighbors to enjoy.
- The removal of the exceptional tree helps to accommodate the re-grading, improving the transition.

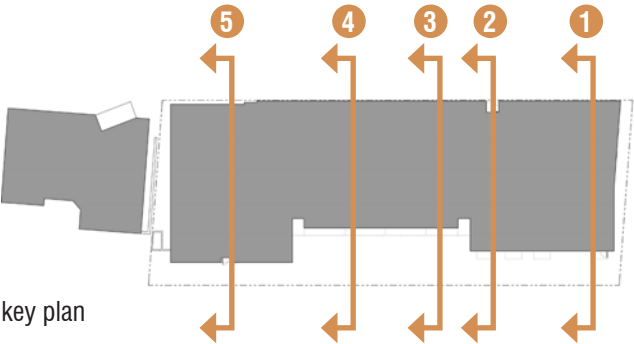
design guidelines

CS1-C Topography
DC2-A1 Site Characteristics and Uses





composite building & landscape plan



key plan



board guidance

Landscaping - The Board was inclined to support removal of the Exceptional tree to accommodate the project’s new landscaping and courtyard but before recommending approval of this design, they would like to hear a summary of the SDCI tree reviewer’s feedback regarding the health of the existing tree (DC2-A1, CS1-C).

design response

While this tree meets the threshold diameter for a tree to be considered exceptional per Director’s Rule 16-2008, it does not meet the definition of an exceptional tree. The arborist’s report (Hailey Mackay, ASLA of Moss Studio) indicates that there is “no evidence to suggest it has historical value, and from a type 1 evaluation it does not appear to have ecological or aesthetic value.” Please see attached report dated 17 April 2020. The report designates the tree as being in poor condition, as follows:

The tree appears to have been infested with ivy and blackberry for many years, as ivy is present in the upper canopy, and the canopy is very sparse with many dead branches. It is my opinion that this tree would be unlikely to survive impacts from construction, even if a tree protection area was erected around the dripline for the duration of construction activities. This tree may even pose a potential hazard to proposed structures and people on site if the tree or any large limbs were to fail during or after construction. I recommend the removal of this tree, to be replaced on site by 3 native or adapted tree species at minimum 2” caliper for deciduous and broadleaf, and minimum 7’ height for conifers.

Removing the tree allows for healthy growth of new trees and plants on the site, native species as recommended by the report and selected by the landscape architect.

Note: SDCI tree reviewer provided no additional feedback.

design guidelines

- CS1-C Topography
- DC2-A1 Site Characteristics & Uses
- DC2-A2 Reduced Perceived Mass
- DC3-C2 Amenities & Features
- DC3-C3 Support Natural Areas

topped branches

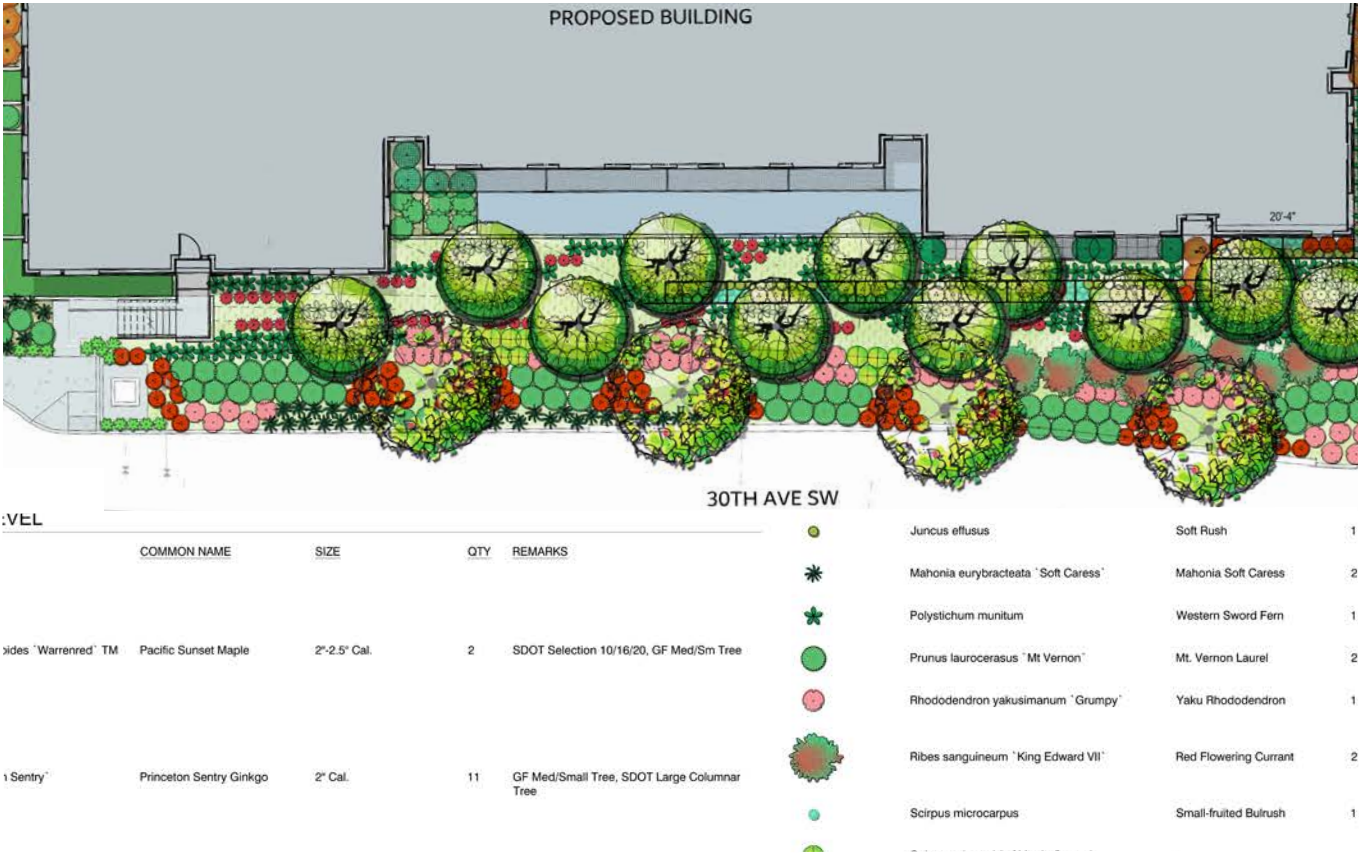
power line conflicts

ivy
blackberry vines

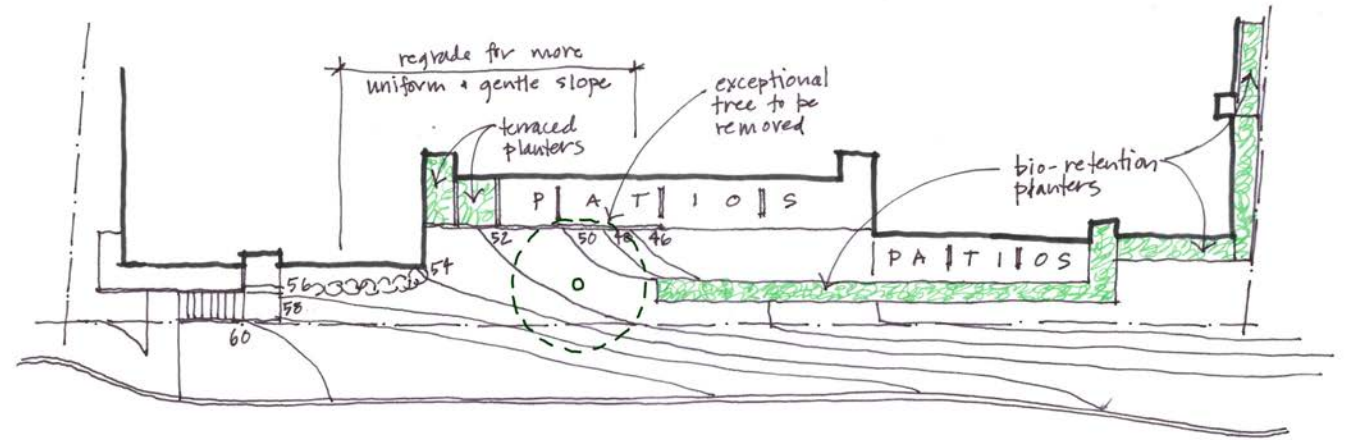


A healthy big leaf maple

The existing big leaf maple, *acer macrophyllum*, that is located on the west side of the site. The maple has been poorly maintained and topped many times. In addition to being topped, an overgrowth of ivy, blackberry vines, and tangled power lines have contributed to its poor condition. This poor condition has been verified by a certified arborist.



landscape plan of the 30th Ave SW courtyard



- Re-grade allows for patios at lowest level and maintains a lower perceived mass at north node, as structure is buried below grade.
- Removing trees allows for sculptural landscape elements and new healthy trees

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board guidance

Materials - As noted above, the Board expects to see material application and detailing which further breaks down the height, bulk, and scale of the simple massing form (DC2-B1, DC2-C1, DC4-A1).

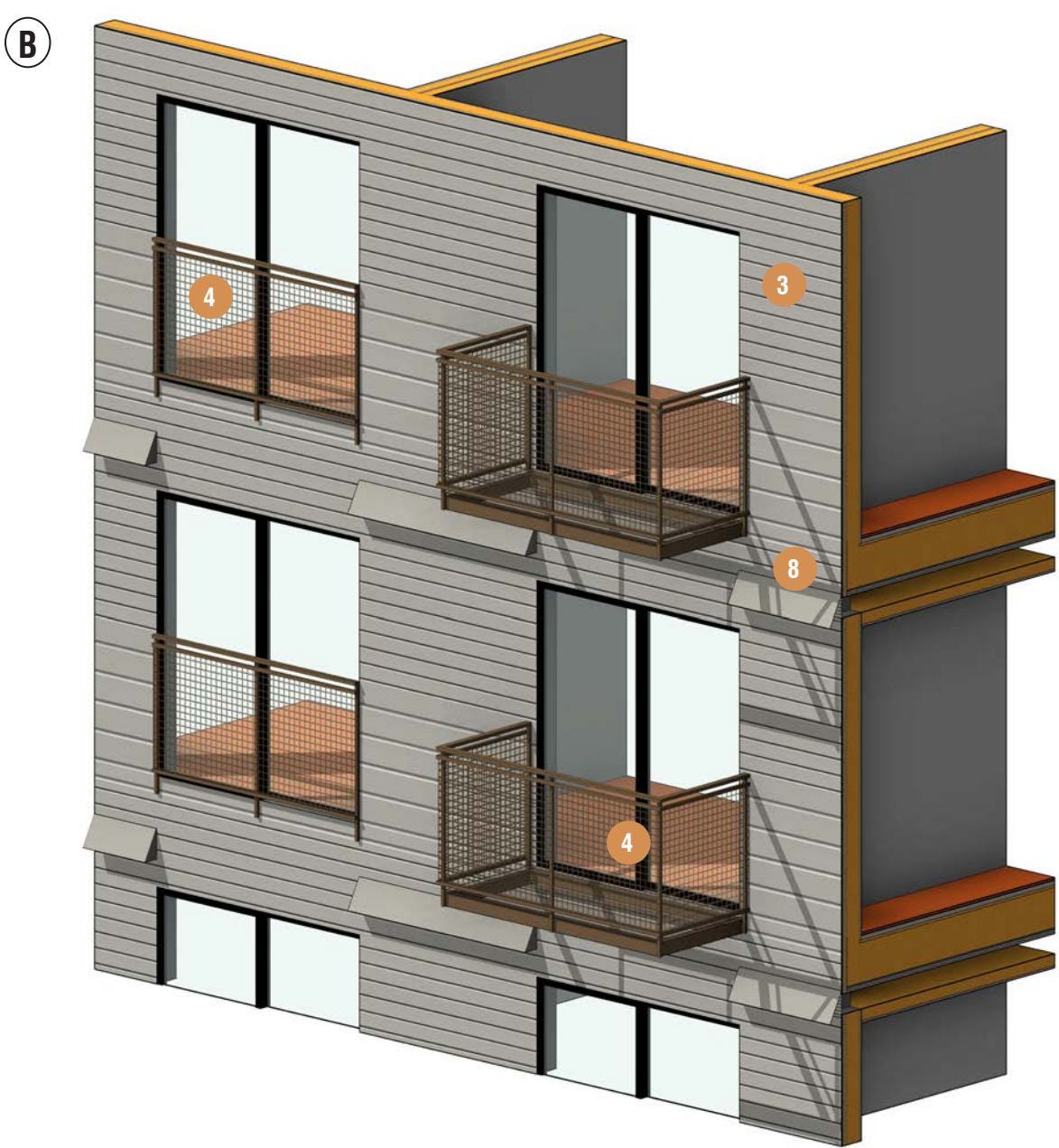
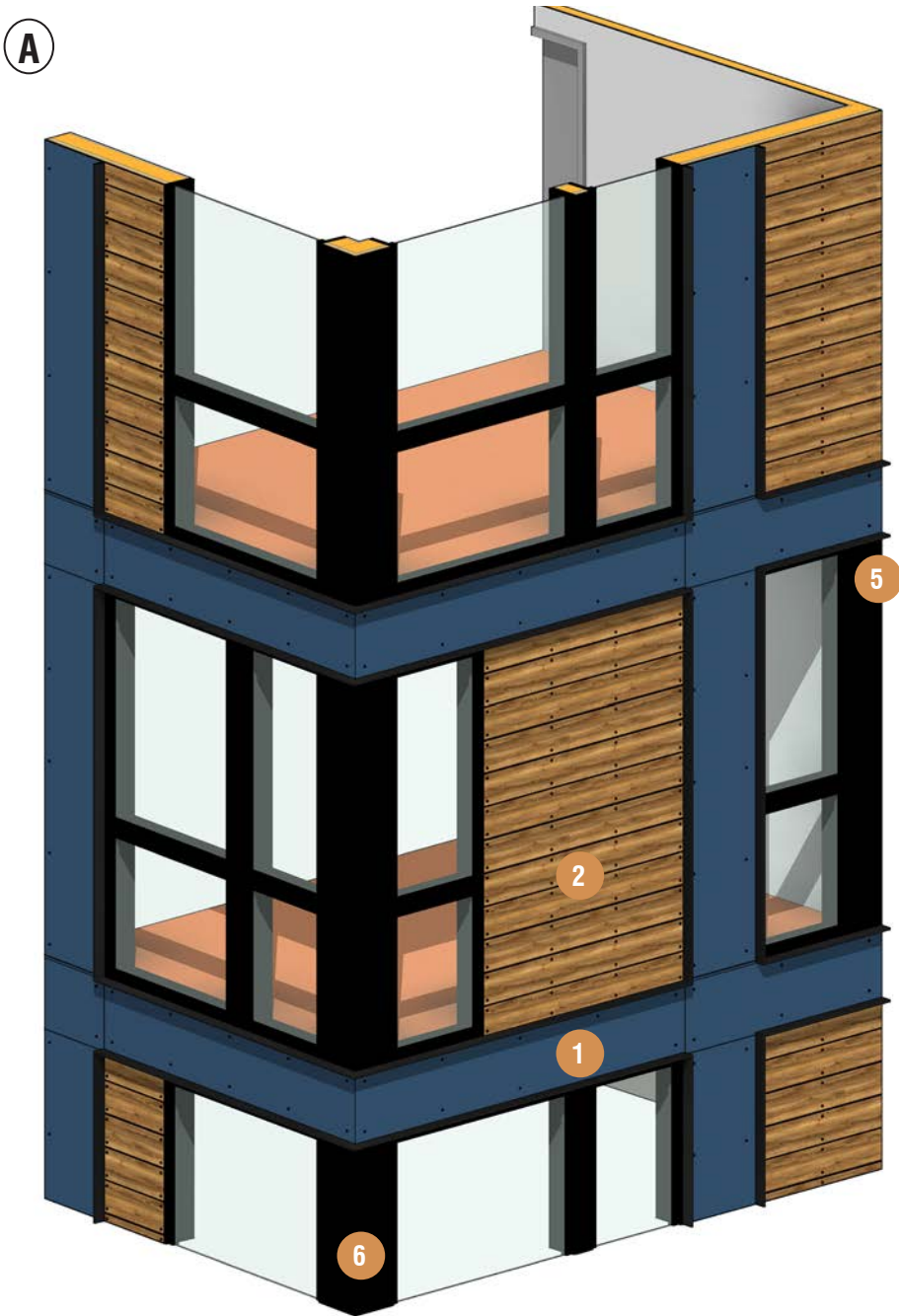
design response

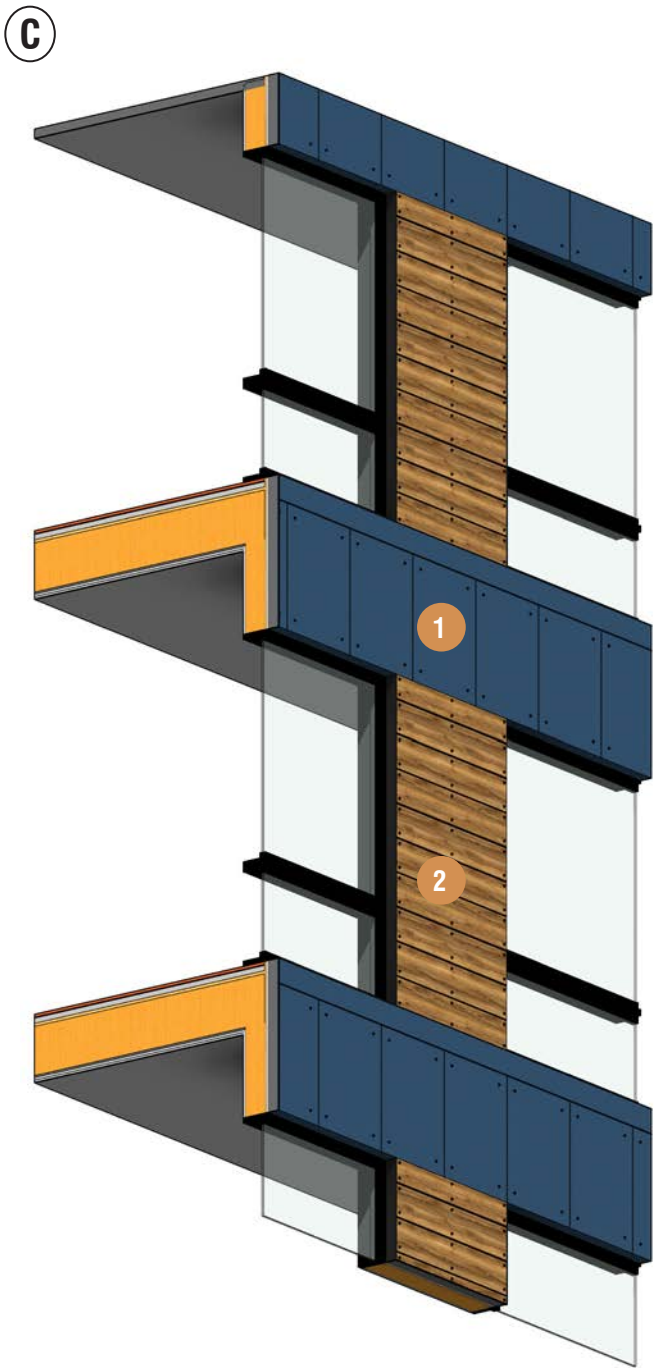
The project continues to explore material options and detailing to break down the building's massing. Regimented panel seams and a lively window pattern are used to create a playful expression at the north corner. The remainder of the north and south nodes uses the same material palette, but with an offset panel seam pattern and regimented windows and doors. At the center interlocking bar form, simple window patterns and plank siding quiet this center mass. The combination of horizontal and gridded balconies further reinforces the residential scale. The architectural expression of the north and south nodes are further distinguished from the center mass through the detailing.

- Windows and doors on the north and south node are recessed to provide an expression distinct from the center interlocking mass.
- Careful attention has been made to apply a logical panel seam rhythm to the windows, particularly at the southwest corner element where all windows and wood tone panels fit within the panel seams.
- The scale of the siding at the central mass reflects the adjacent residential neighborhood, allowing the north and south nodes to act as anchoring masses.
- The gaskets along Harbor Ave SW are fully expressed (without balconies disguising the change in plane) which contribute to a massing concept scaled appropriately to fit with the industrial and commercial zones it abuts. Alternatively, the gaskets along 30th Ave SW are connected to the longer balcony expression in response to the residential scale of the adjacent zone.
- Gridded balconies relate to the language of the balconies in the neighborhood, with the horizontal balconies at the central bar acting as connectors.
- The use of two sizes of lap siding helps to break up the mass and provide a residential scale.

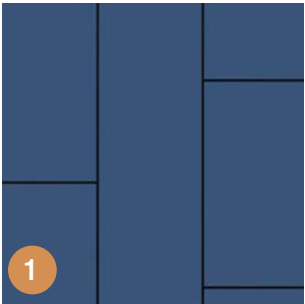
design guidelines

- DC2-B1 Façade Composition
- DC2-C1 Visual Depth and Interest
- DC4-A1 Exterior Finish Materials





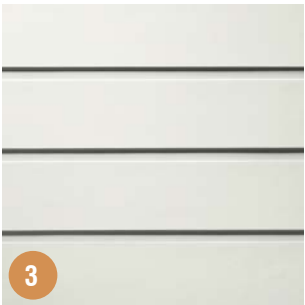
MATERIALS



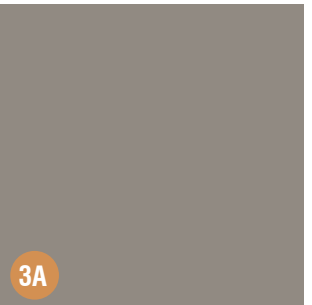
Equitone Pictura PG444, 3/8" reveal w/ exposed fasteners



Stonewood Panel - Cask Oak 8" plank w/ exposed fasteners



4" & 8" Cementitious Board Lap Siding w/ 1/2" integrated reveal



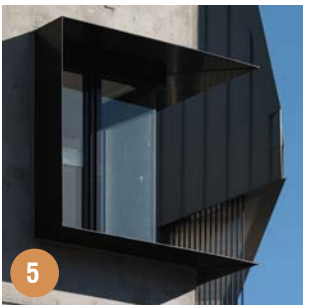
Siding Paint A: Sherman Williams, Dovetail



Siding Paint B: Sherman Williams, Ellie Gray



Standard metal rail w/ wire mesh panels, powder coated Tiger Medium Bronze 38/60014



Black vinyl windows w/ extended frame



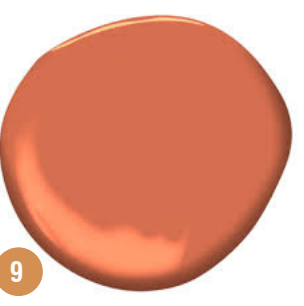
Metal accent panels, black to match window assemblies



Kawneer Dark Bronze 40 storefront window



Custom metal vent shroud



Metal planks painted Benjamin Moore, Autumn Cove



1 Vista North Pearl Condominiums (Portland) - Equitone panels



2 50th & Roosevelt (Seattle) - Stonewood panels



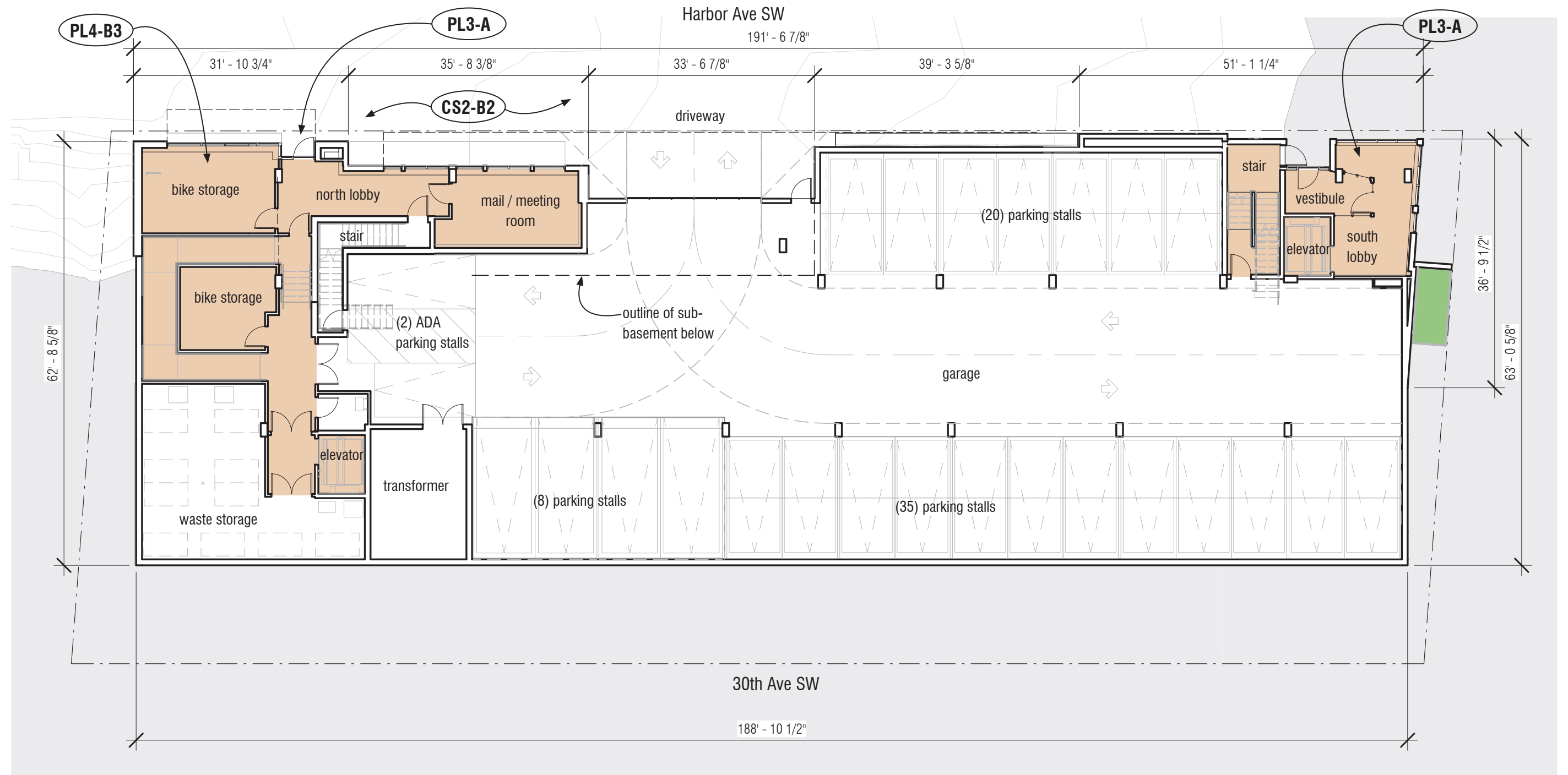
3 Cementitious Board Lap Siding



2 Jackson Apartments (Seattle) - Stonewood panels

select material links

- 1 Equitone Pictura: <https://www.equitone.com/en-us/materials-en-us/pictura/>
- 2 Stonewood Panel: <https://stonewoodpanels.com/products/exposed-fasteners-ef>
- 4 Tiger Coatings: <https://www.tiger-coatings.com/us/products-applications/tiger-drylacr-products>
- 7 Kawneer: https://www.kawneer.com/kawneer/north_america/en/info_page/home.asp

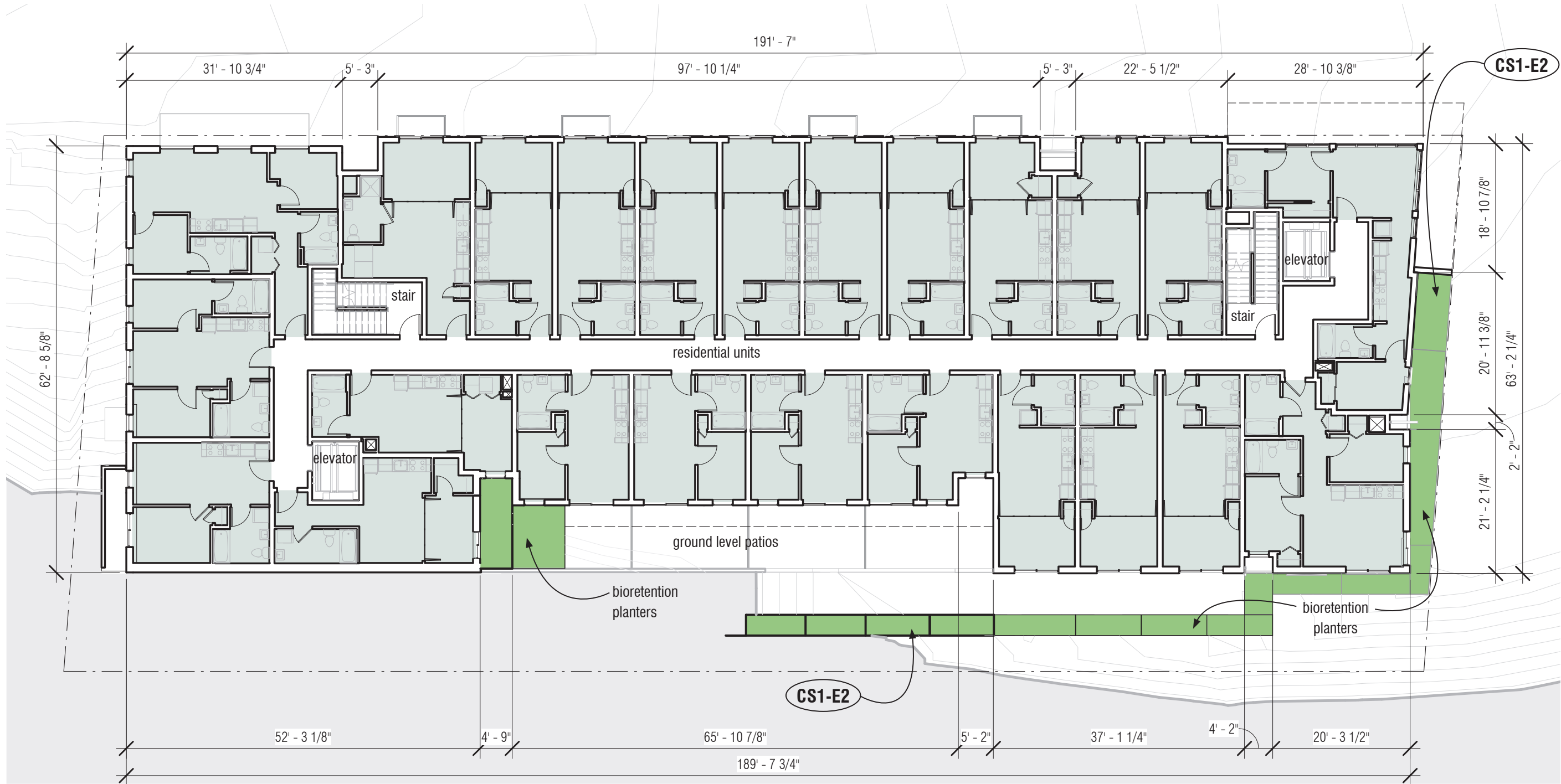


design guideline key

CS1-C1 Land Form
CS1-D1 On-site Features
CS1-E2 Adding Interest with Project Drainage
CS2-A Location in the City & Neighborhood
CS2-B2 Connection to Street
CS2-D5 Respect for Adjacent Sites

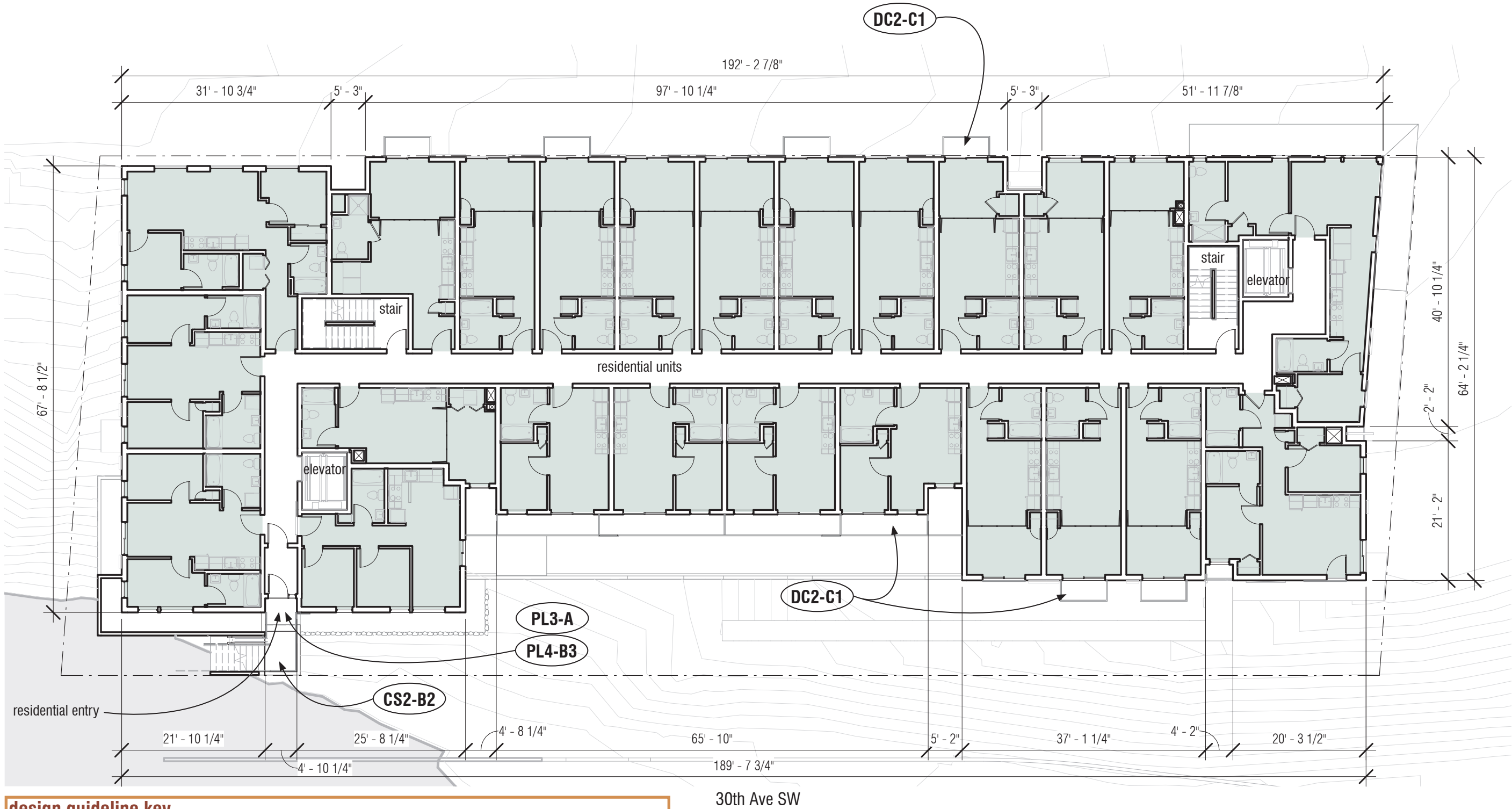
PL2-D1 Design as Wayfinding
PL3-A Entries
PL4-B3 Bike Connections
DC1-C2 Visual Impacts
DC2-A1 Site Characteristics & Uses

DC2-A2 Reducing Perceived Mass
DC2-B1 Façade Composition
DC2-B2 Blank Walls
DC2-C1 Visual Depth & Interest
DC4-A1 Exterior Finish Materials



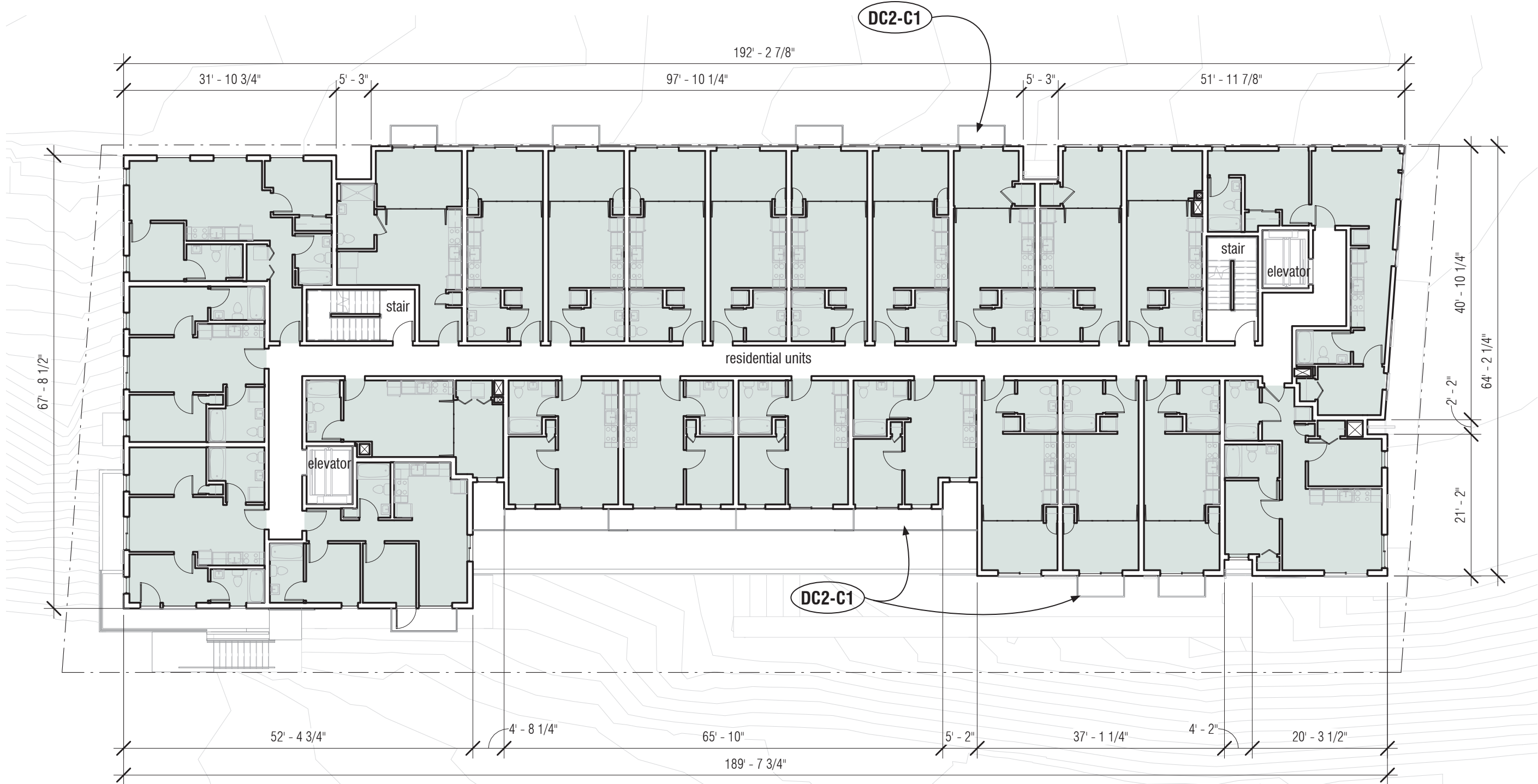
design guideline key

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|----------------------------------------------|------------------------------------|----------------------------------|
| CS1-C1 Land Form | PL2-D1 Design as Wayfinding | DC2-A2 Reducing Perceived Mass |
| CS1-D1 On-site Features | PL3-A Entries | DC2-B1 Façade Composition |
| CS1-E2 Adding Interest with Project Drainage | PL4-B3 Bike Connections | DC2-B2 Blank Walls |
| CS2-A Location in the City & Neighborhood | DC1-C2 Visual Impacts | DC2-C1 Visual Depth & Interest |
| CS2-B2 Connection to Street | DC2-A1 Site Characteristics & Uses | DC4-A1 Exterior Finish Materials |
| CS2-D5 Respect for Adjacent Sites | | |



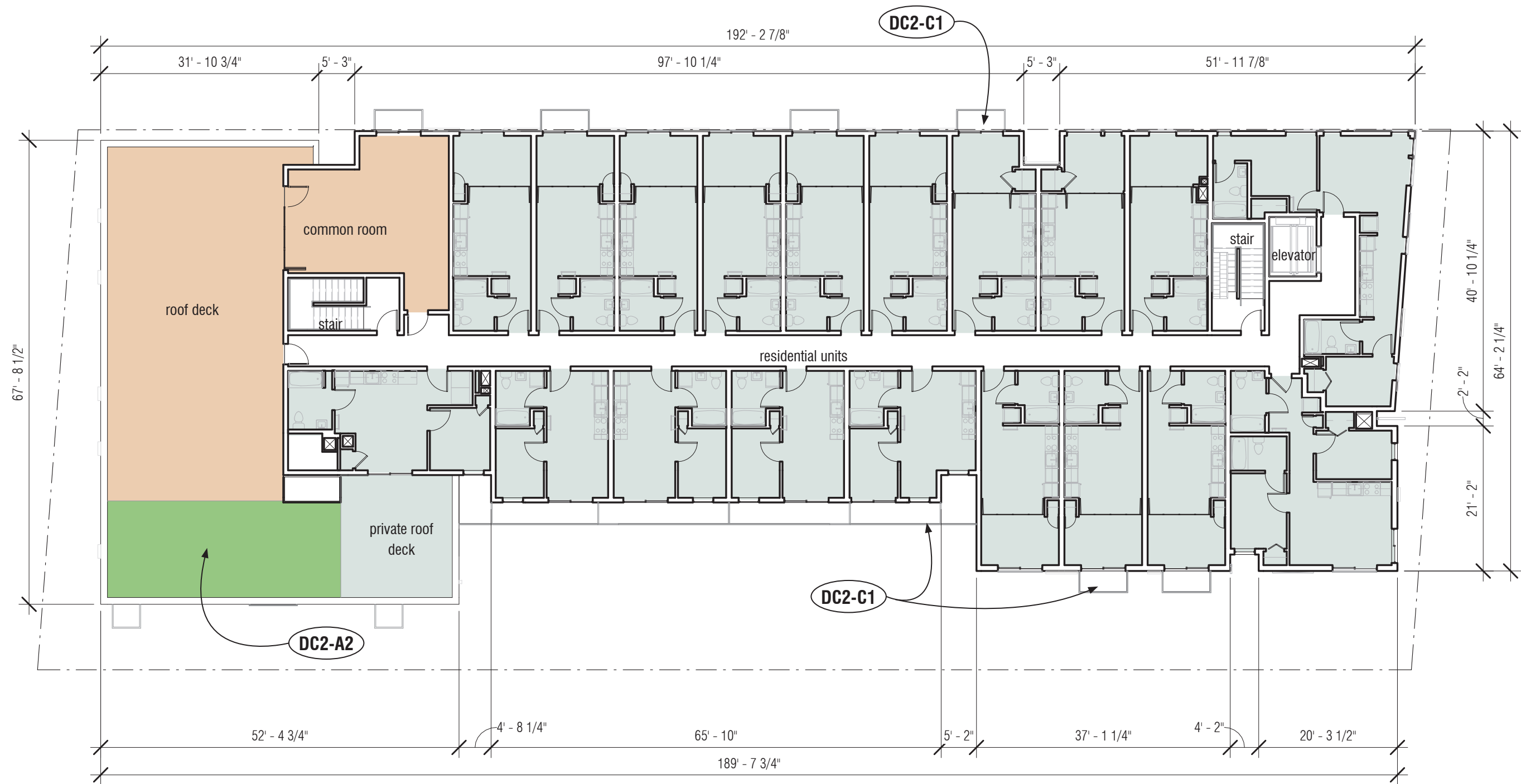
design guideline key

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| CS1-D1 On-site Features | PL3-A Entries | DC2-B1 Façade Composition |
| CS1-E2 Adding Interest with Project Drainage | PL4-B3 Bike Connections | DC2-B2 Blank Walls |
| CS2-A Location in the City & Neighborhood | DC1-C2 Visual Impacts | DC2-C1 Visual Depth & Interest |
| CS2-B2 Connection to Street | DC2-A1 Site Characteristics & Uses | DC4-A1 Exterior Finish Materials |
| CS2-D5 Respect for Adjacent Sites | | |



design guideline key

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|----------------------------------------------|------------------------------------|----------------------------------|
| CS1-C1 Land Form | PL2-D1 Design as Wayfinding | DC2-A2 Reducing Perceived Mass |
| CS1-D1 On-site Features | PL3-A Entries | DC2-B1 Façade Composition |
| CS1-E2 Adding Interest with Project Drainage | PL4-B3 Bike Connections | DC2-B2 Blank Walls |
| CS2-A Location in the City & Neighborhood | DC1-C2 Visual Impacts | DC2-C1 Visual Depth & Interest |
| CS2-B2 Connection to Street | DC2-A1 Site Characteristics & Uses | DC4-A1 Exterior Finish Materials |
| CS2-D5 Respect for Adjacent Sites | | |



design guideline key

CS1-C1 Land Form

CS1-D1 On-site Features

CS1-E2 Adding Interest with Project Drainage

CS2-A Location in the City & Neighborhood

CS2-B2 Connection to Street

CS2-D5 Respect for Adjacent Sites

PL2-D1 Design as Wayfinding

PL3-A Entries

PL4-B3 Bike Connections

DC1-C2 Visual Impacts

DC2-A1 Site Characteristics & Uses

DC2-A2 Reducing Perceived Mass

DC2-B1 Façade Composition

DC2-B2 Blank Walls

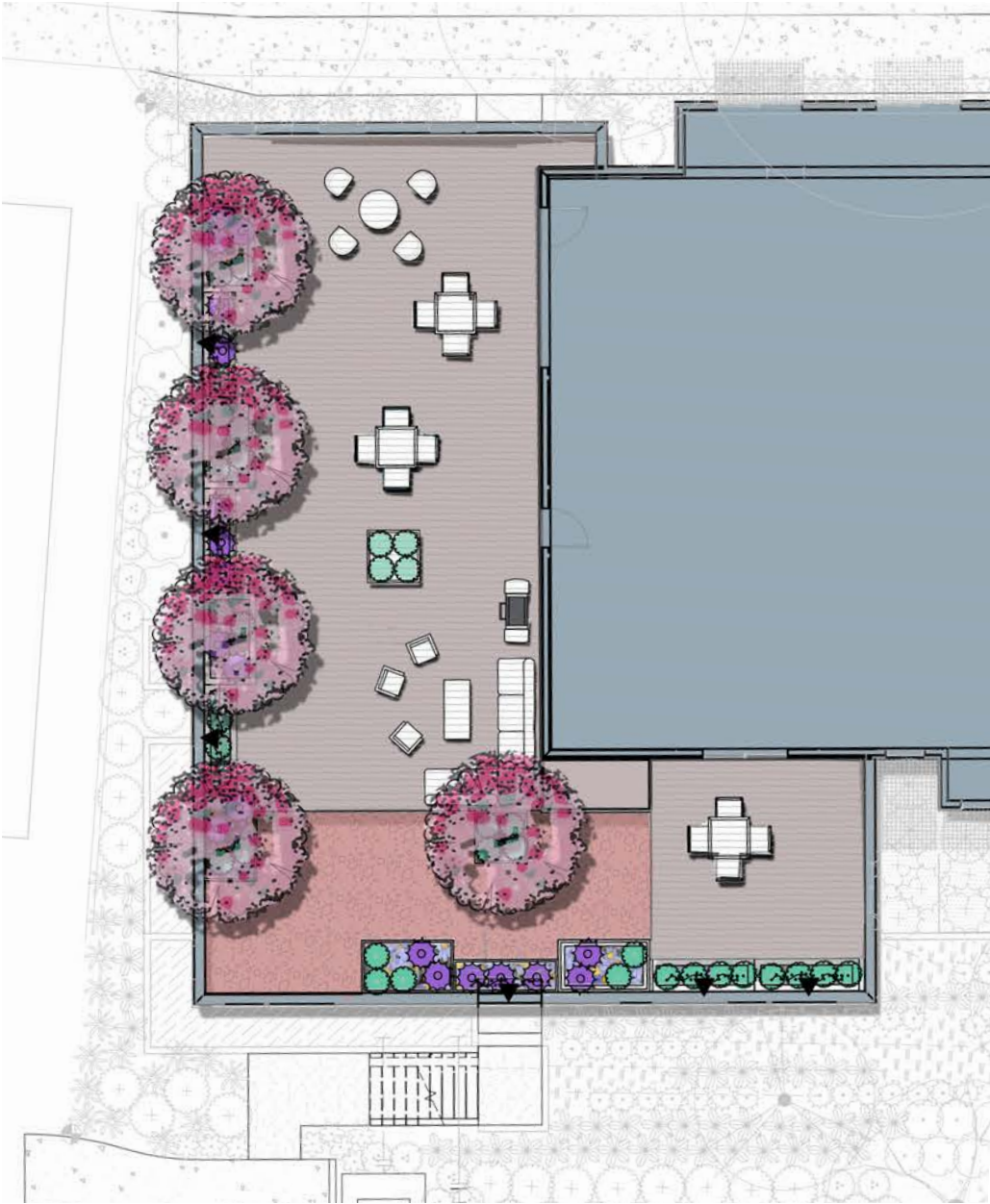
DC2-C1 Visual Depth & Interest

DC4-A1 Exterior Finish Materials



LANDSCAPE DESIGN

The proposed landscape has been carefully selected to provide visual interest and texture throughout the seasons for both the future residents and the neighbors. The hillside will be densely planted with shrubs, grasses, and trees that decorate the slope but still allow views through for safety. The scale of the plantings was also a priority. For example, the serviceberry trees proposed at the roof deck will act as a privacy screen for the northern neighbors but at a respectful size.



evergreen clematis



red flowering currant



pacific sunset maple



spanish lavender



anna's red hellebore



golden variegated sweet flag



midwinter fire dogwood



ruby stella daylily



princeton sentry ginkgo



small fruited bulrush



japanese spurge



kelseyi dogwood



red barrenwort



serviceberry



spirea



sedum tile



mt. vernon laurel



hebe



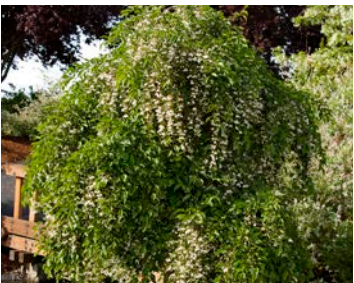
evergreen huckleberry



western sword fern



yaku rhododendron



japanese snowbell



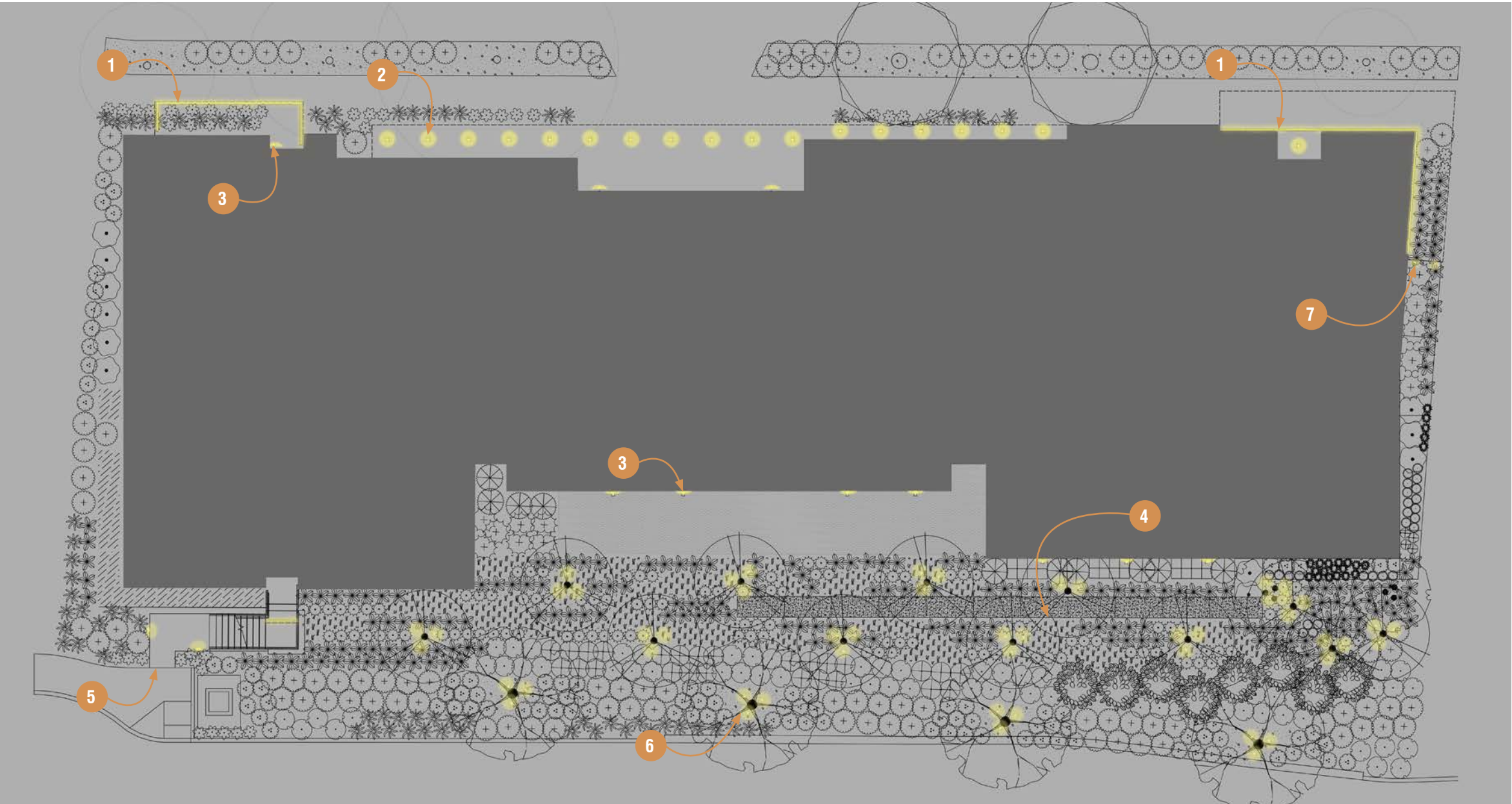
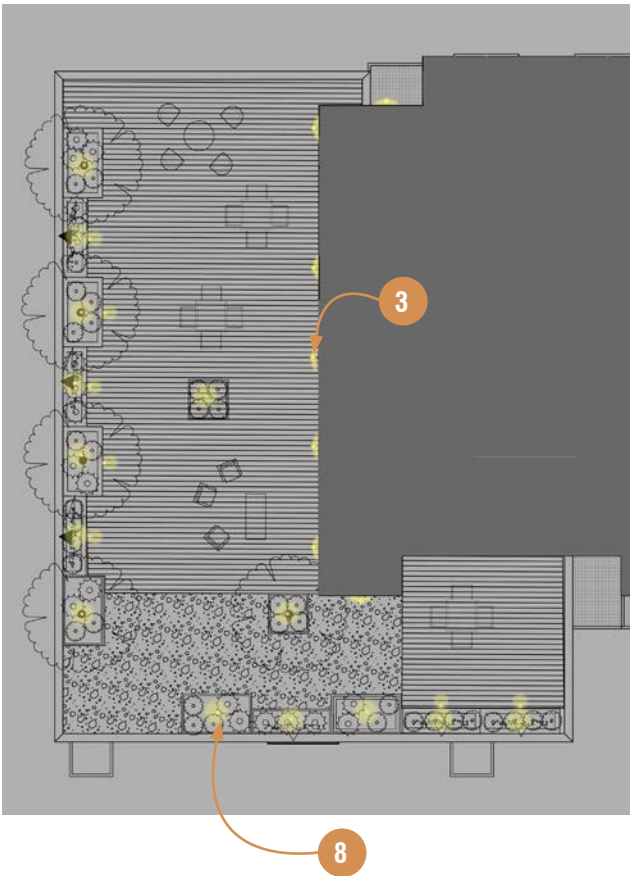
mahonia soft caress



soft rush

lighting strategy

The lighting strategy seeks to provide illumination for wayfinding and security while being mindful of the residential neighbors. The types of fixtures selected focus light downward, targeting specific areas, rather than spilling light upwards.



1 linear downlight



2 downlight



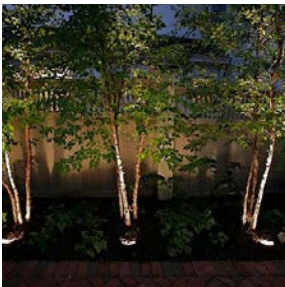
3 wall sconce



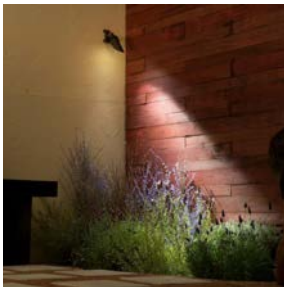
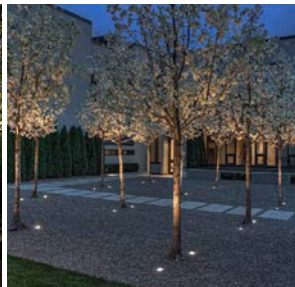
4 wall light



5 bollard



6 landscape accent



7 bio planter/water feature accent



8 landscape accent

design guideline key

- CS1-C1 Land Form
- CS1-D1 On-site Features
- CS1-E2 Adding Interest with Project Drainage
- CS2-A Location in the City & Neighborhood
- CS2-B2 Connection to Street
- CS2-D5 Respect for Adjacent Sites
- PL2-D1 Design as Wayfinding
- PL3-A Entries
- PL4-B3 Bike Connections
- DC1-C2 Visual Impacts
- DC2-A1 Site Characteristics & Uses
- DC2-A2 Reducing Perceived Mass
- DC2-B1 Façade Composition
- DC2-B2 Blank Walls
- DC2-C1 Visual Depth & Interest
- DC4-A1 Exterior Finish Materials

material legend

- 1 Equitone Pictura PG444, 3/8" reveal w/ exposed fasteners
- 2 Stonewood Panel - Cask Oak 8" plank w/ exposed fasteners
- 3 4" & 8" Cementitious Board Lap Siding w/ 1/2" integrated reveal
- 3A Siding Paint A: Sherman Williams, Dovetail
- 3B Siding Paint B: Sherman Williams, Dorian Gray
- 4 Standard metal rail w/ wire mesh panels, powder coated Tiger Medium Bronze 38/60014
- 5 Black vinyl windows w/ extended frame
- 6 Metal accent panels, black to match window assemblies
- 7 Kawneer Dark Bronze 40 storefront window
- 8 Custom metal vent shroud
- 9 Metal planks painted Benjamin Moore, Autumn Cove



east (Harbor Ave SW) elevation

design guideline key

- CS1-C1 Land Form
- CS1-D1 On-site Features
- CS1-E2 Adding Interest with Project Drainage
- CS2-A Location in the City & Neighborhood
- CS2-B2 Connection to Street
- CS2-D5 Respect for Adjacent Sites
- PL2-D1 Design as Wayfinding
- PL3-A Entries
- PL4-B3 Bike Connections
- DC1-C2 Visual Impacts
- DC2-A1 Site Characteristics & Uses
- DC2-A2 Reducing Perceived Mass
- DC2-B1 Façade Composition
- DC2-B2 Blank Walls
- DC2-C1 Visual Depth & Interest
- DC4-A1 Exterior Finish Materials

material legend

- 1 Equitone Pictura PG444, 3/8" reveal w/ exposed fasteners
- 2 Stonewood Panel - Cask Oak 8" plank w/ exposed fasteners
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- 8 Custom metal vent shroud
- 9 Metal planks painted Benjamin Moore, Autumn Cove



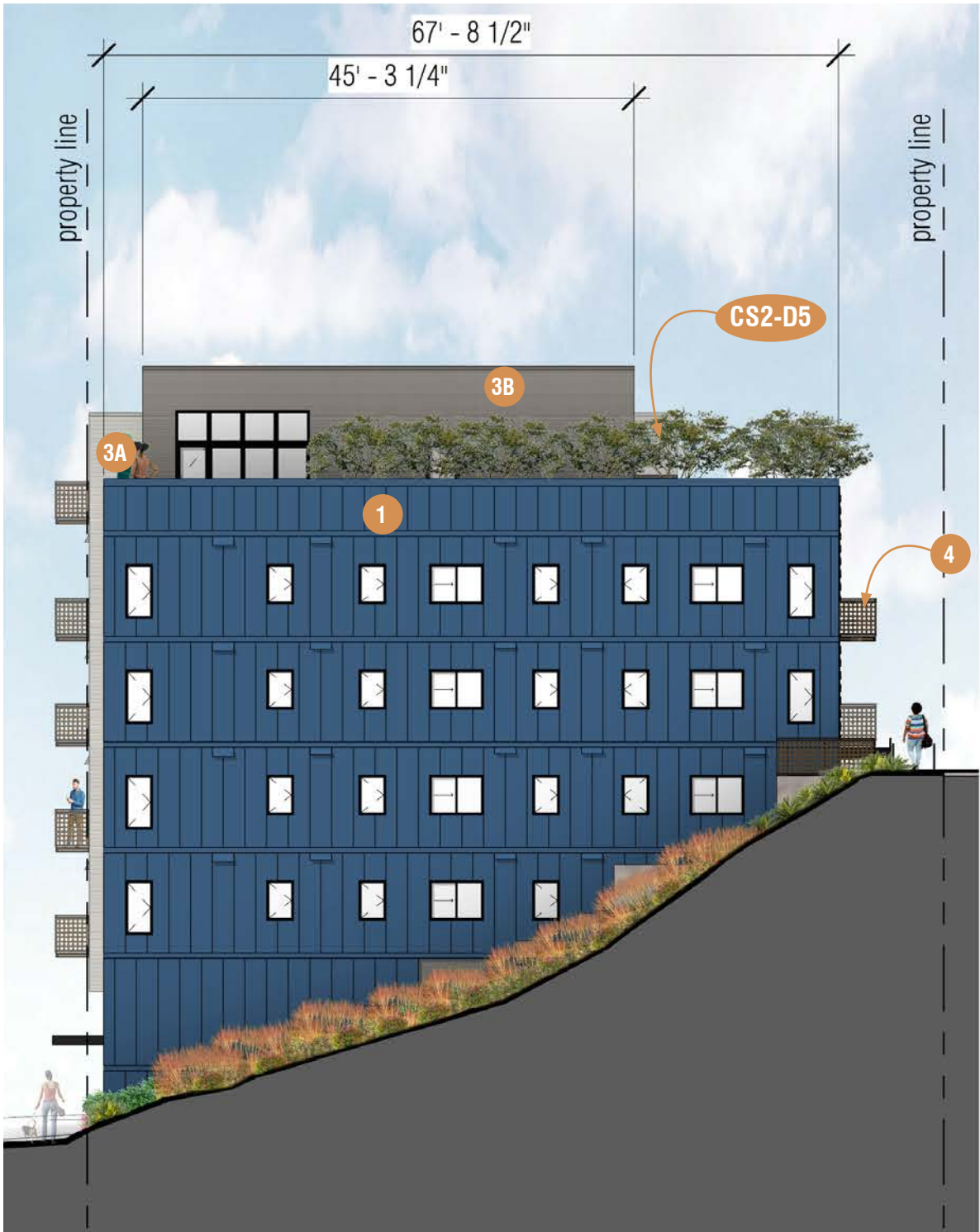
west (30th Ave SW) elevation

design guideline key

- CS1-C1 Land Form
- CS1-D1 On-site Features
- CS1-E2 Adding Interest with Project Drainage
- CS2-A Location in the City & Neighborhood
- CS2-B2 Connection to Street
- CS2-D5 Respect for Adjacent Sites
- PL2-D1 Design as Wayfinding
- PL3-A Entries
- PL4-B3 Bike Connections
- DC1-C2 Visual Impacts
- DC2-A1 Site Characteristics & Uses
- DC2-A2 Reducing Perceived Mass
- DC2-B1 Façade Composition
- DC2-B2 Blank Walls
- DC2-C1 Visual Depth & Interest
- DC4-A1 Exterior Finish Materials

material legend

- 1 Equitone Pictura PG444, 3/8" reveal w/ exposed fasteners
- 2 Stonewood Panel - Cask Oak 8" plank w/ exposed fasteners
- 3 4" & 8" Cementitious Board Lap Siding w/ 1/2" integrated reveal
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- 4 Standard metal rail w/ wire mesh panels, powder coated Tiger Medium Bronze 38/60014
- 5 Black vinyl windows w/ extended frame
- 6 Metal accent panels, black to match window assemblies
- 7 Kawneer Dark Bronze 40 storefront window
- 8 Custom metal vent shroud
- 9 Metal planks painted Benjamin Moore, Autumn Cove



north elevation



south elevation

design guideline key

- CS1-C1 Land Form
- CS1-D1 On-site Features
- CS1-E2 Adding Interest with Project Drainage
- CS2-A Location in the City & Neighborhood
- CS2-B2 Connection to Street
- CS2-D5 Respect for Adjacent Sites
- PL2-D1 Design as Wayfinding
- PL3-A Entries
- PL4-B3 Bike Connections
- DC1-C2 Visual Impacts
- DC2-A1 Site Characteristics & Uses
- DC2-A2 Reducing Perceived Mass
- DC2-B1 Façade Composition
- DC2-B2 Blank Walls
- DC2-C1 Visual Depth & Interest
- DC4-A1 Exterior Finish Materials



design guideline key

CS1-C1 Land Form
 CS1-D1 On-site Features
 CS1-E2 Adding Interest with Project Drainage
 CS2-A Location in the City & Neighborhood
 CS2-B2 Connection to Street
 CS2-D5 Respect for Adjacent Sites
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 DC2-B1 Façade Composition
 DC2-B2 Blank Walls
 DC2-C1 Visual Depth & Interest
 DC4-A1 Exterior Finish Materials



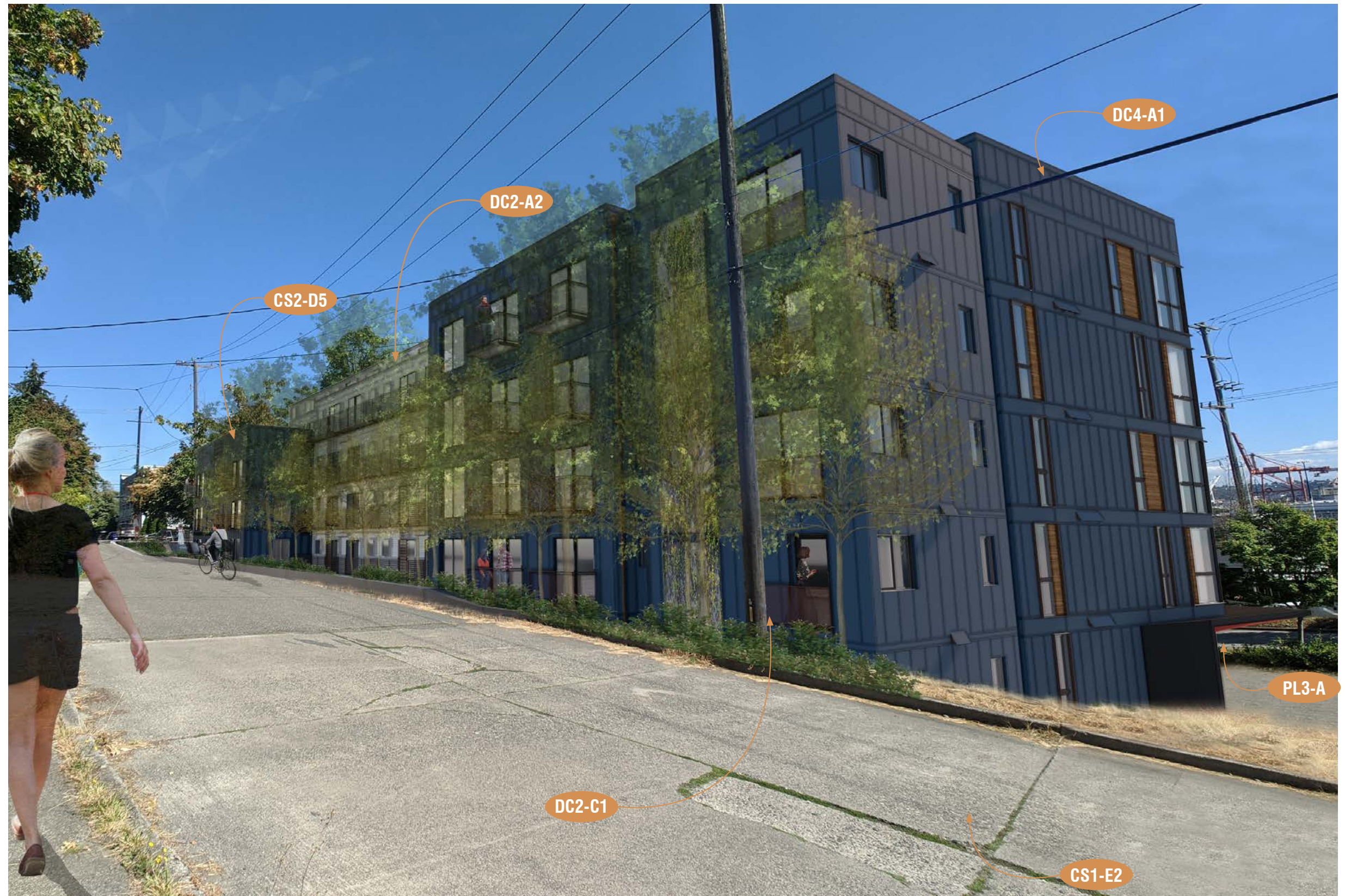
design guideline key

CS1-C1 Land Form
CS1-D1 On-site Features
CS1-E2 Adding Interest with Project Drainage
CS2-A Location in the City & Neighborhood
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DC2-B1 Façade Composition
DC2-B2 Blank Walls
DC2-C1 Visual Depth & Interest
DC4-A1 Exterior Finish Materials



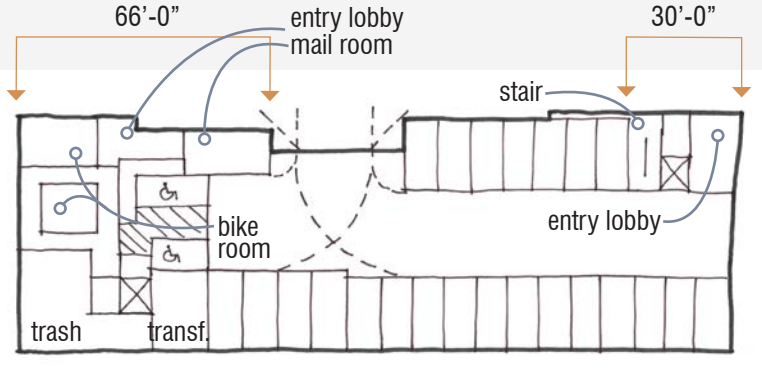
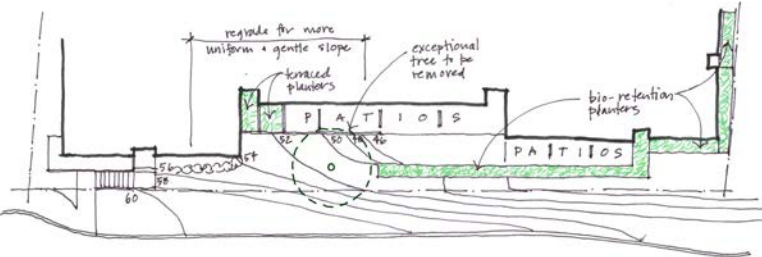
design guideline key

CS1-C1 Land Form
 CS1-D1 On-site Features
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 CS2-A Location in the City & Neighborhood
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 DC2-C1 Visual Depth & Interest
 DC4-A1 Exterior Finish Materials

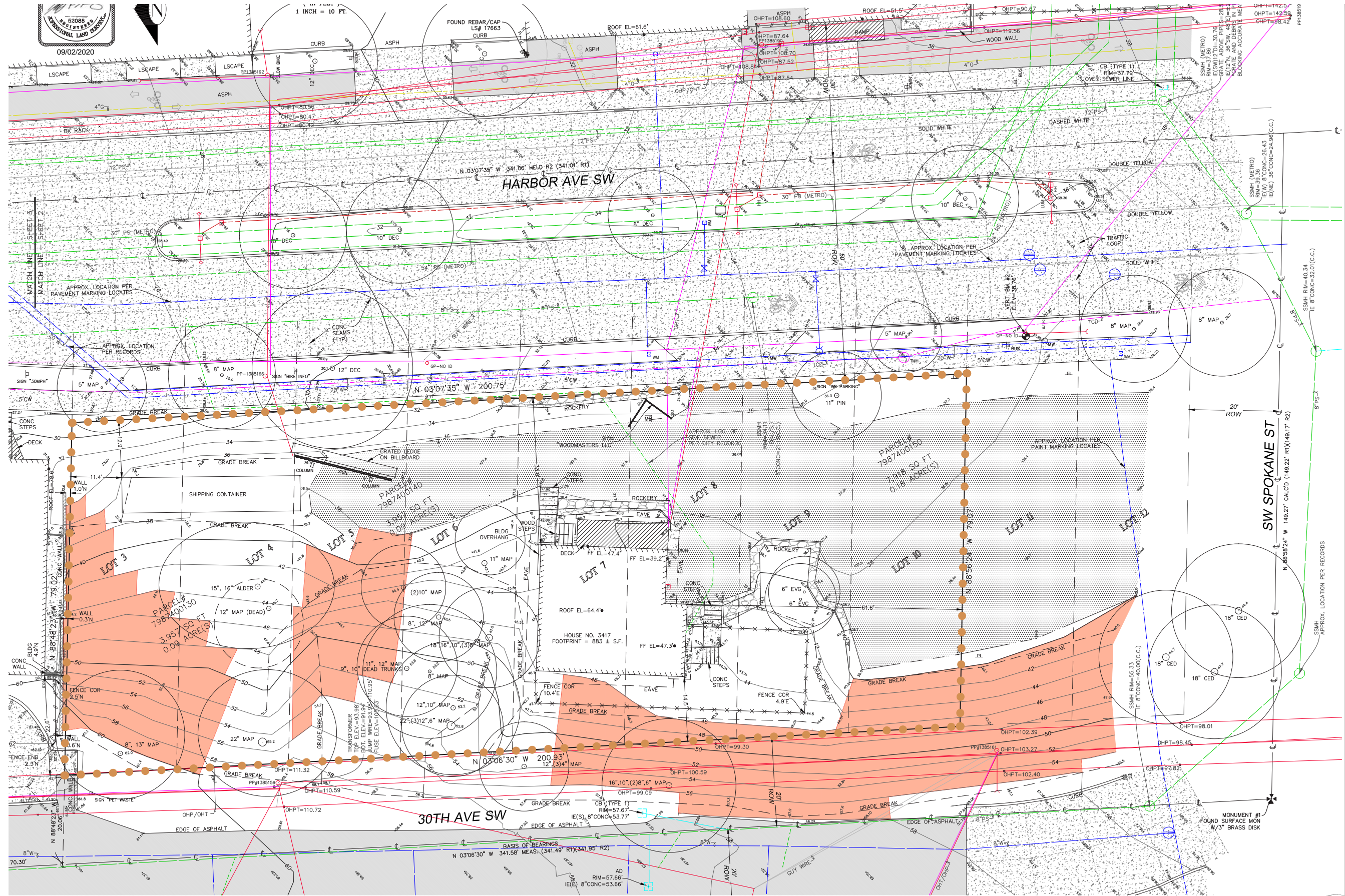






LAND USE CODE REQUIREMENT	PROPOSED REQUEST	PROPOSED RATIONALE	DESIGN GUIDELINES
<div>STREET-LEVEL PARKING</div> <div>23.47A.032.B.1.b</div> <div><p>Within a structure, street-level parking shall be separated from street-level, street-facing facades by another permitted use. This requirement does not apply to access to parking meeting the standards of smc 23.47A.032.a</p><div>illustration</div></div> <div><p>The project proposes a portion of the street-level facade to be street-level parking without an intervening permitted use.</p><p>The project is located in the C1 zone, which is an auto-oriented, primary retail/service zone that serves surrounding neighborhoods. When a development contains residential uses, their parking must meet NC1 standards, which requires street level parking to be separated from the facade by another permitted use.</p><p>Providing a permitted use such as a narrow access corridor in front of the street-level parking would require that we push the entire edge of the building to the property line, with no modulation or relief and still without a visually interesting use. It would also required pushing the parking further west as well, which would increase the required shoring to such a degree as to potentially make the project unviable. By allowing the garage to be along the street-facing façade for a portion of the facade, the edge of the building can be modulated, allowing a separation between the building and sidewalk, and helping to provide clarity of form. This modulation provides an opportunity for visual interest which enhances the pedestrian experience and space. Rather than provide a hard, foreboding edge wall at the entire sidewalk, a landscaped and pedestrian oriented buffer accommodates artwork, green walls & planters, and provides a more viable separation between the garage and street. Additionally, with the provided modulation – the gateway corner element is able to read as a strong form, extending to the grade plane and distinct from the adjacent mass, which better responds to board guidance for that element as well.</p><p>In response to the board’s early design guidance comments, we have studied the garage layout and reconfigured it to significantly reduce the amount of non-conformance by making the following revisions to the design:</p><ol style="list-style-type: none">1. We have located the residential bike parking along harbor ave, as requested by the board, to support this mode of transportation, based on PL4-B2. This will provide ease of use for bicycle users by giving them a direct and convenient path from the street to the storage room, encouraging the room’s accessibility, and supporting bicycles as a means of transportation. This heavily glazed bike room will further support bike transport, provide an interesting visual for passersby, and relate to the bike shop directly across the street.2. We have provided a lobby with an elevator and mail/meeting room on the north side of the building to reduce the amount of blank wall previously proposed. This lobby will encourage pedestrian use and access and bicycle use, and create a welcoming entry that encourages community, supporting design guidelines PL3-A1 Street-Level Interaction and PL4-B3 Bike Connections.3. We have provided modulation and visual interest along the harbor ave facade, with a variety of materials, heavily glazed entries and community spaces, custom art screens, green walls, and planters that will provide visual interest and variety while enhancing the pedestrian environment per DC2-B2 Blank Walls and DC1-C2 Visual Impacts. It also allows for increased setbacks along Harbor Ave SW, providing a more generous streetscape to encourage interaction with the building, per CS2-B2. The planters in particular reinforce the sidewalk experience at the neighboring buildings.</div> <div><div>CS2.B2 connection to the street</div><div>PL1.A1 enhancing open space</div><div>DC2.D2 texture</div><div>DC3.C2 amenities & features</div></div>			
<div>EXCEPTIONAL TREE</div> <div>SMC25.11.080.A.2</div> <div>SMC25.05.675.n.2.c</div> <div><p>Seattle Municipal Code Chapter 25.11 provides protection for trees that are considered exceptional, defined under Director’s Rule 16-2008.</p><div>illustration</div></div> <div><p>The project proposes to remove the existing exceptional tree and replace it with native trees and landscaping as recommended by the Arborist and the Landscape Architect.</p><p>While this tree meets the threshold diameter for a tree to be considered exceptional per Director’s Rule 16-2008, it does not meet the definition of an exceptional tree. The arborist’s report (Hailey Mackay, ASLA of Moss Studio) indicates that there is “no evidence to suggest it has historical value, and from a type 1 evaluation it does not appear to have ecological or aesthetic value.” Please see attached report dated 17 April 2020. Note: SDCI tree reviewer provided no additional feedback.</p><p>Of note, the University of Washington has been studying Big Leaf Maple trees such as ours, as their health has been declining all over the Pacific Northwest without improvement.</p><p>Removing the tree allows for healthy growth of new trees and plants on the site, with native species as recommended by the report and selected by the landscape architect.</p><p>Removal of this tree will support a variety of design guidelines. By removing the tree the project</p><ol style="list-style-type: none">1. Better supports natural areas, as the entire 30th Ave SW landscaping can be treated as a whole, with healthy plantings that support each other and are selected for longevity2. Without having to protect the trees’ root system, we are able to regrade the hill in order to provide a more uniform slope, accommodate patios on the first floor, and still maintain a “buried” condition at the north node in order to reduce the perceived mass.3. The regraded area can also better support a healthy landscape, as well as landscape features/amenities such as the concrete sculptural landscape elements.</div> <div><div>DC2.A1 site characteristics & uses</div><div>DC2.A2 reduced perceived mass</div><div>DC3.C2 amenities & features</div><div>DC3.C3 support natural areas</div></div>			

appendix



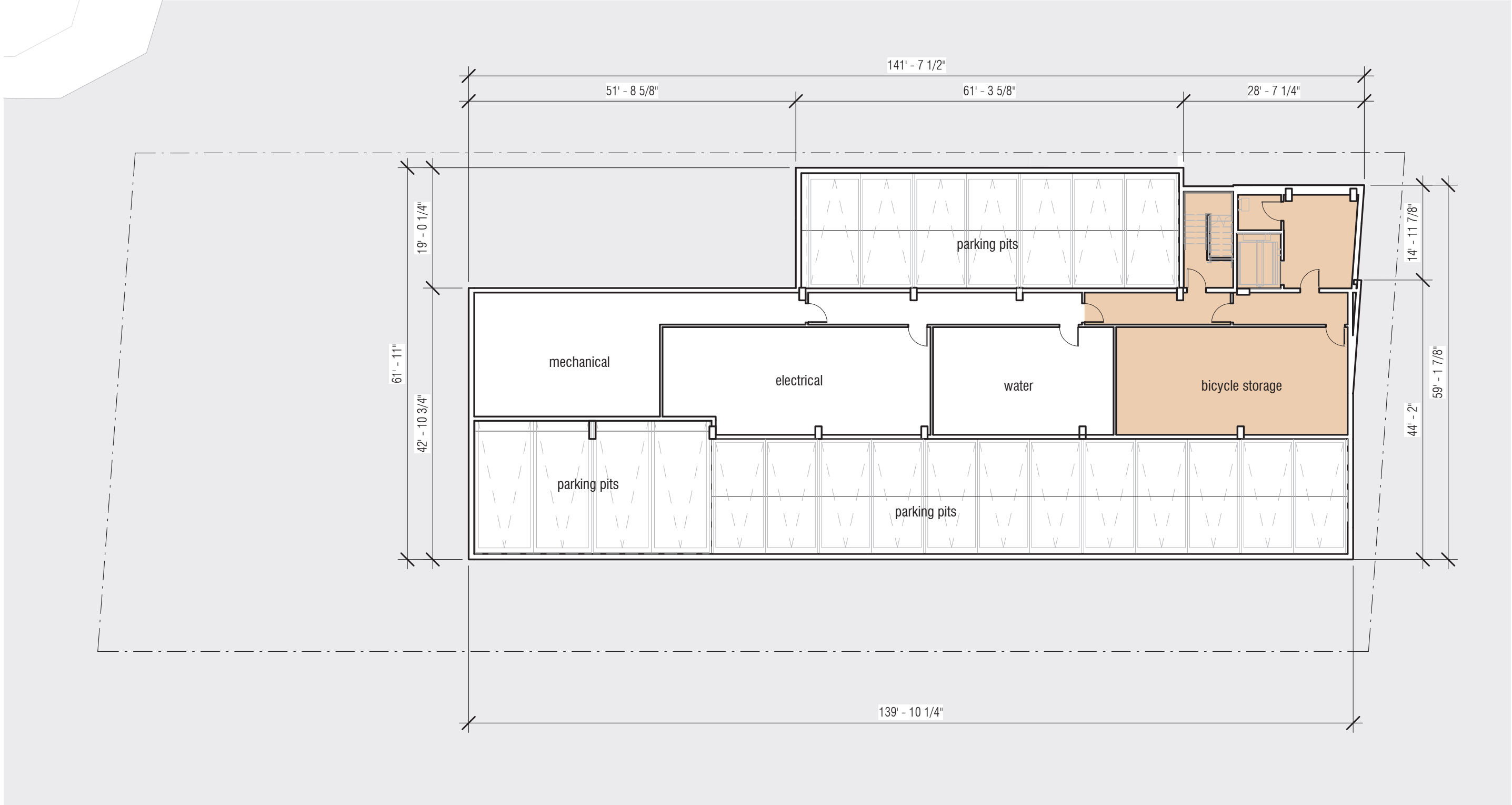
Terrain
10801 Main Street, Suite 102, Bellevue, W.
phone 425.458.4488 support@terrain.com
www.terrain.com

[illegible]

TOPOGRAPHIC & BOUNDARY SURVEY
NW 1/4 OF NW 1/4 SEC 13, TWP. 24N., RGE 03E., W.M.
STS HARBOR AVE PROJECT
3405, 3411, 3417 HARBOR AVE SW
SEATTLE WA

JOB NO.: 190630
DATE: 2/20/20
DRAFTED BY: TLR
CHECKED BY: JPS
SCALE: 1" = 10'
2 OF 3







April 17, 2020

Atelier Drome
c/o Michelle Linden
112 Prefontaine Place S.
Seattle, WA 98104

Re: Tree Inventory, Exceptional Tree Designation - 3417 Harbor Ave SW, Seattle

Dear Michelle,

This report summarizes information gathered during the tree inventory conducted on site at the property address 3417 Harbor Ave SW in Seattle, WA. Please see the attached tree inventory map in reference to this report. This report has been updated to include more detailed information of the exceptional tree located on site, section 4.0 for an assessment of the exceptional tree.

Contents:

- 1.0 Site Conditions
- 2.0 Tree Inventory
- 3.0 Required Tree Protection and Retention
- 4.0 Exceptional Tree Designation
- 5.0 Use of This Report
- 6.0 Photos of Exceptional Tree

1.0 Site Conditions

The property is located on a main street at the northwest end of the West Seattle Bridge between a small commercial area, single family residential area and industrial area. The property has one business currently located on site, as well as a gravel parking lot. The landscape is primarily gravel, unmaintained grass, blackberries, ivy and Big Leaf Maples and contains a 40% Steep Slope Environmentally Critical Area (ECA).

2.0 Tree Inventory

I conducted a type 1 visual evaluations of all trees on site according to International Society of Arboriculture (ISA) standards, adhering to the ISA code of ethics and best practices. I inspected the trunks and general growing conditions of trees on site from close range and observed tree canopy



conditions from afar. Hacking through dense ivy and blackberry was required in order to measure and inspect trunks of many of the trees on site. In inspecting each tree, I recorded the following information:

- Tree Species
- Trunk Diameter at Breast Height (DBH)
- Crown Spread Diameter (CSD)
- Location and Growing Conditions

The City of Seattle regulations regarding trees on private property are specified in Director’s Rule 16-2008 which dictates threshold diameters for trees to be considered exceptional. Trees in the right-of-way do not qualify for exceptional tree status but are to be retained and protected throughout development.

The following list records information based on measurements and observations made for 14 trees located on site and 5 trees located in the right-of-way with driplines that extend onto the property. Tree numbers in the left column correspond to numbers shown on the attached survey for location reference (tree inventory map). The column DBH shows Diameter at Breast Height for each tree, CSD shows Crown Spread Diameter for each tree. For trees listed as multi-trunk (MT), the DBH has been calculated per Director’s Rule 16-2008. The trees were not tagged.

#	Species	DBH	CSD	Status and Condition Notes
1	Bigleaf Maple (<i>Acer macrophyllum</i>)	11”	28’	Multi-trunk (MT). Fair condition, base of tree covered with ivy, crown infested with fallopia vine. Not exceptional.
2	Bigleaf Maple (<i>Acer macrophyllum</i>)	22”	13’	Fair condition, base of tree covered in ivy. Not exceptional.
3	Bigleaf Maple (<i>Acer macrophyllum</i>)	12”	14’	Dead. Tree covered in ivy, no leaves present.
4	Red Alder (<i>Alnus rubra</i>)	23”	20’	MT. Fair condition, base of tree covered in ivy. Dead and broken branches in canopy. Not exceptional.
5	Bigleaf Maple (<i>Acer macrophyllum</i>)	14”	9’	MT. Fair condition, base of tree covered in ivy and blackberry. Not exceptional.
6	Bigleaf Maple (<i>Acer macrophyllum</i>)	14”	20’	MT. Poor condition, base and trunks of tree covered in ivy and blackberry, broken and dead branches in canopy. Not exceptional.
7	Bigleaf Maple (<i>Acer macrophyllum</i>)	16”	22’	MT. Poor condition, base and trunks of tree covered in ivy and blackberry, broken and dead branches in canopy. Two of four trunks appear dead, covered in ivy. Not exceptional.



8	Bigleaf Maple (<i>Acer macrophyllum</i>)	8”	30’	Poor condition. Base and trunk of tree covered in ivy, dead and broken branches in canopy. Not exceptional.
9	Bigleaf Maple (<i>Acer macrophyllum</i>)	15.5”	31’	MT. Poor condition. Base and trunks of tree covered in ivy, dead and broken branches in canopy. Not exceptional.
10	Bigleaf Maple (<i>Acer macrophyllum</i>)	31”	20’	MT. Poor condition, base and trunks of tree covered in ivy and blackberry, very few live leaves, uneven canopy, many broken and dead branches in canopy. Meets DBH threshold for exceptional trees.
11	Bigleaf Maple (<i>Acer macrophyllum</i>)	29.5”	22’	MT. Poor condition. Base and trunks of tree covered in ivy, dead and broken branches in canopy. Not exceptional.
12	Bigleaf Maple (<i>Acer macrophyllum</i>)	11”	15’	Poor condition. Trunk heavily leaning, dead and broken branches in canopy. Not exceptional.
13	Shore Pine (<i>Pinus contorta</i>)	11”	20’	Good condition. Not exceptional.
14	Windmill Palm (<i>Trachycarpus fortunei</i>)	16”	17’	MT. Good condition. Not exceptional.
Right-of-Way Trees				
A	Bigleaf Maple (<i>Acer macrophyllum</i>)	14”	20’	ROW. MT. Poor condition, dead and broken branches in canopy.
B	Bigleaf Maple (<i>Acer macrophyllum</i>)	23”	30’	ROW. MT. Poor condition, dead and broken branches in canopy.
C	Sunset Maple (<i>A. truncatum x platanooides</i>)	5”	20’	ROW. Fair condition.
D	Sunset Maple (<i>A. truncatum x platanooides</i>)	8”	24’	ROW. Good condition.
E	Sunset Maple (<i>A. truncatum x platanooides</i>)	12”	36’	ROW. Good condition.

3.0 Required Tree Protection and Retention

One tree on site (#10) meets the DBH threshold to be classified as exceptional and will require a permit to remove. Street trees, though not classified as exceptional, should be retained and protected throughout development. Because the site contains a 40% Steep Slope ECA, trees 6” or larger in diameter may not be removed from undeveloped land without a permit. On developed land, no more than three trees 6” or larger in diameter may be removed in a one-year period without a permit. For the removal of trees greater than 24” in diameter, each tree must be replaced at a rate of 1:1 with a tree that will provide the same canopy coverage at maturity.



4.0 Exceptional Tree Designation

One tree on site (#10) meets the DBH threshold to be classified as exceptional. While this tree technically meets the exceptional DBH threshold as calculated using Director’s Rule 2008-16, it does not meet the criteria for exceptional trees as intended in the narrative description below.

Director’s Rule 16-2008
Page 2 of 6 pages

Seattle Municipal Code Chapter 25.11, Tree Protection, provides means for protecting trees in Seattle. Under this chapter, exceptional trees are given particular protections and are broadly defined as follows:

"Exceptional tree" means a tree or group of trees that because of its unique historical, ecological, or aesthetic value constitutes an important community resource, and is determined as such by the Director according to standards and procedures promulgated by the Department of Planning and Development.

This Director’s Rule provides clarification for determining trees that should be considered for exceptional status as well as the standards and procedures for this determination.

Tree #10 is a multi-trunk Bigleaf Maple that is in very poor condition. I found no evidence to suggest it has historical value, and from a type 1 evaluation it does not appear to have ecological or aesthetic value. The tree appears to have been infested with ivy and blackberry for many years, as ivy is present in the upper canopy, and the canopy is very sparse with many dead branches. It is my opinion that this tree would be unlikely to survive impacts from construction, even if a tree protection area was erected around the dripline for the duration of construction activities. This tree may even pose a potential hazard to proposed structures and people on site if the tree or any large limbs were to fail during or after construction. I recommend the removal of this tree, to be replaced on site by 3 native or adapted tree species at minimum 2” caliper for deciduous and broadleaf, and minimum 7’ height for conifers.

5.0 Use of This Report

This report provides Atelier Drome detailed information about trees on, or directly adjacent to, the site for the purpose of addressing the City of Seattle’s requirements for trees on private property. It is important to note that trees are dynamic, and their conditions can be affected by weather events and environmental changes. Therefore, this report exclusively warrants the conditions of the trees at the time of my evaluation on site. Additionally, Hailey Mackay and Moss Studio cannot be held liable for any damage that results from the failure of any trees or their parts, or the death or decline of any trees on site before, during or after construction.

Best, 
Hailey Mackay, ASLA
ISA Certified Arborist #PN-8777A
ISA Tree Risk Assessment Qualified
P: 206.849.4573 E: haileymackay@gmail.com

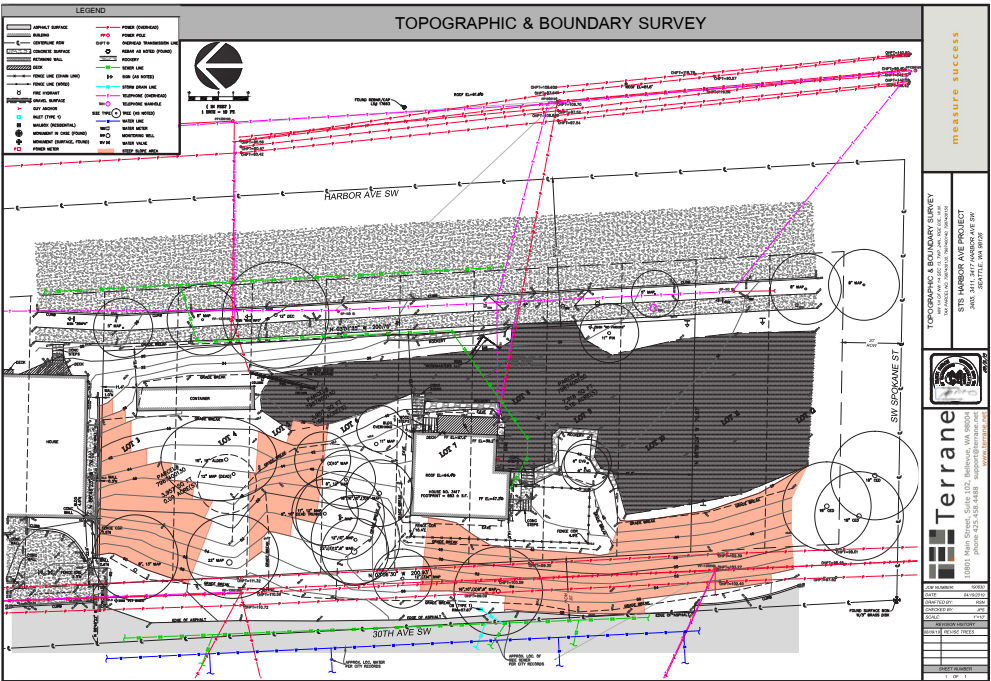


6.0 Photos of Exceptional Tree

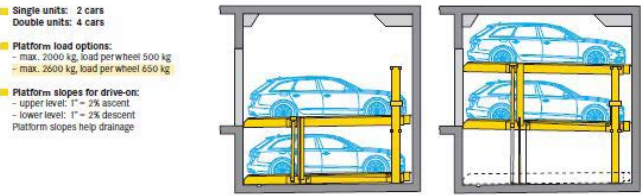


1.
Photo 1: winter, ivy infestation in canopy

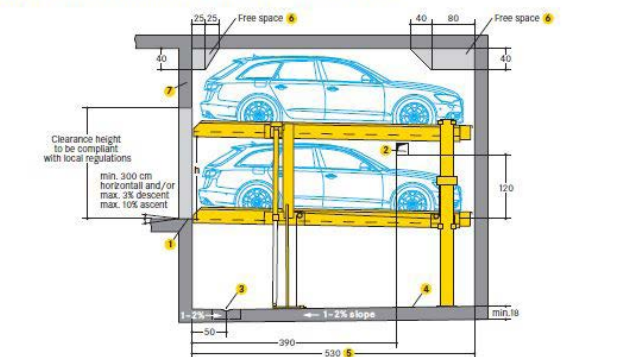
2.
Photo 2: summer, sparse canopy, dead and broken branches



Data Sheet
WÖHR PARKLIFT 450



Length dimensions underground car park (height dimensions see page 2)



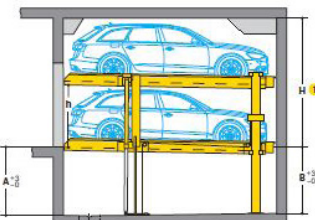
- Yellow stick safety marking:
 - compliant to ISO 3864, 10 cm wide, along the pit edges (see page 4)
 - static calculations and construction works requirements
 - In case of intermediate walls:
 - 10 x 15 cm opening for electric and hydraulic system cables and piping
 - after installation, do not close the opening
 - Recommended drainage channels:
 - 10 x 2 cm, with a 50 x 50 x 20 cm drainage pit
 - in case of installation of a pump pump, it is necessary to comply with the drainage pit dimensions specified by the pump manufacturer
 - Channels or undercuts/concrete haunches:
 - not allowed along the pit floor-to-wall joints
 - should channels or undercuts be necessary, the system width needs to be reduced or the pit needs to be wider
- 500 cm vehicle length - 530 cm pit length
- for longer vehicles:
vehicle length + 30 cm safety distance - pit length
(pit length max. 550 cm)
- Free spaces for any connections performed by the customer:
- please ask WÖHR for the dimension sheets
- Lintel
- Dimensions
- all dimensions specified are the minimum, finished dimensions
 - tolerances must be taken into consideration
 - all dimensions are given in cm

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WÖHR PARKLIFT 450 | 03.2019 | C027-4330

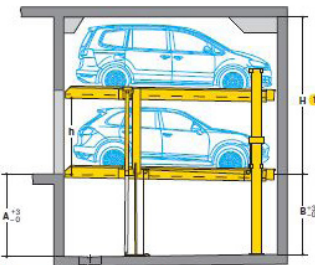
Page 2 of 6

Height dimensions Standard type



- With an increase in headroom available, correspondingly taller cars will be able to park on the upper platform.
- UL = upper level / LL = lower level
L = Limousine / S = Station wagon

Height dimensions Premium type



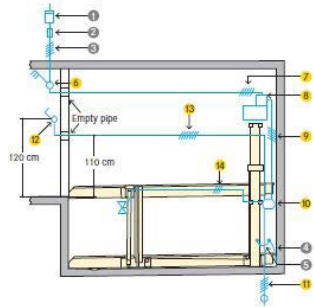
- With an increase in headroom available, correspondingly taller cars will be able to park on the upper platform.
- UL = upper level / LL = lower level
L = Limousine / S = Station wagon

Type	Height (H) 1	Pit depth A	Vehicle height 2	Platform distance (H)
450-170	320	170	L+S: 150 L+S: 150	155
450-175	325	175	L+S: 150 L+S: 155	160
450-180	330	180	L+S: 150 L+S: 160	165
450-185	335	185	L+S: 150 L+S: 165	170
450-190	340	190	L+S: 150 L+S: 170	175
450-195	345	195	L+S: 150 L+S: 175	180
450-200	350	200	L+S: 150 L+S: 180	185
450-205	355	205	L+S: 150 L+S: 185	190
450-210	360	210	L+S: 150 L+S: 190	195
450-215	365	215	L+S: 150 L+S: 195	200
450-220	370	220	L+S: 150 L+S: 200	205
450-225	375	225	L+S: 150 L+S: 205	210
450-230	380	230	L+S: 150 L+S: 210	215
450-235	385	235	L+S: 150 L+S: 215	220
450-240	390	240	L+S: 150 L+S: 220	225
450-245	395	245	L+S: 150 L+S: 225	230

Type	Height (H) 1	Pit depth A	Vehicle height 2	Platform distance (h)
450-205	355	205	L+S: 150 L+S: 185	190
	390	205	L+S: 185 L+S: 185	190
450-210	360	210	L+S: 150 L+S: 190	195
	400	210	L+S: 190 L+S: 190	195
450-215	365	215	L+S: 150 L+S: 195	200
	410	215	L+S: 195 L+S: 195	200
450-220	370	220	L+S: 150 L+S: 200	205
	420	220	L+S: 200 L+S: 200	205
450-225	375	225	L+S: 150 L+S: 205	210
	430	225	L+S: 205 L+S: 205	210
450-230	380	230	L+S: 150 L+S: 210	215
	440	230	L+S: 210 L+S: 210	215
450-235	385	235	L+S: 150 L+S: 215	220
	450	235	L+S: 215 L+S: 215	220
450-240	390	240	L+S: 150 L+S: 220	225
	460	240	L+S: 220 L+S: 220	225

Electrical specifications

Installation diagram



Cabling preparation to be performed by the customer:

- up to the main switch to be in place prior to starting the installation operations
- connection to the main switch during installation
- system functional check testing can be performed by WÖHR together with the electrician provided by the customer
- if requested at a later date, functional check testing can be performed by WÖHR at extra cost

Grounding and potential equalisation:

- to be performed by the customer compliant to DIN EN 60204
- connections required every 10 metres

To be performed by the customer

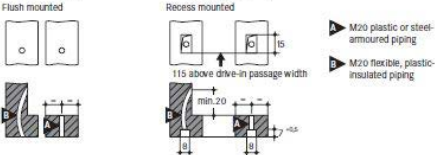
Item	Quantity	Description	Position	Recurrence
1	1 piece	power meter	in the feed cable	
2	1 piece	fuse protection or automatic circuit breaker compliant to DIN VDE 0100 part 430: - 3 x 16 A slow blow for 3,0 kW power pack - 3 x 25 A slow blow for 5,5 kW power pack	in the feed cable	1 x per power pack
3	based on site conditions	compliant to local power supply regulations 3 phases + N + PE* 230/400 V, 50 Hz	feed cables to main switch	1 x per power pack
4	every 10 m	grounding and potential equalisation lead-out connection	along pit floor edges/ rear wall	
5	1 piece	grounding and potential equalisation compliant to DIN EN 60204	from lead-out connection to system	1 x per system

* to DIN VDE 0100 sections 410 and 430 (no permanent load) 3 phases + N+ PE (three phase current)
Note: for garages with doors the door manufacturer must be consulted before the electrical feed cabling is laid.

Scope of delivery by WÖHR (unless otherwise specified)

Item	Description
6	Lockable main switch
7	5 x 2,5 ² PVC control cable leading from the main switch to the power pack
8	Hydraulic power pack with three-phase motor, 3,0 or 5,5 kW. Ready-wired switching cabinet with motor safety contactor
9	5 x 1,5 ² PVC control cable
10	Branch connector
11	5 x 1,5 ² PVC control cable lead-out to the system alongside
12	UP/down operating unit with EMERGENCY STOP. Possibly located on the left, but always out of the platform's range of movement. Cable feed-in strictly from below leading upwards (2 keys for each parking space).
13	7 x 1,5 ² PVC control cable
14	3 x 1,5 ² control cable for the cylinder valve lead

Operating panel recesses and empty piping requirements



Notes and directions

Scope of application

- suitable for residential buildings, office buildings and business premises, hotels
- only for long-term users that have been instructed on how to use the system for frequently changing users (e.g. for office, hotel and business premises or similar)
- only parking on top platform
- performance of technical system adjustments is necessary
- consultation with WÖHR is mandatory

Noise protection

Basis is the German DIN 4109 "Noise protection in buildings".
With the following conditions required 30 dB (A) in rooms can be provided:
- noise protection package from our accessory
- insulation figure of the construction of min. $R_{w} = 57$ dB
- walls which are bordering the parking systems must be done as single wall and deflection resistant with min. $m^2 = 300$ kg/m²
- solid ceiling above the parking systems with min. $m^2 = 400$ kg/m²
At differing constructional conditions additional sound absorbing measures are to be provided by the customer. The best results are reached by separated sole plates from the construction.
Increased noise protection: If increased noise protection must be provided planning has to be confirmed on a project basis by WÖHR.

Drainage

Water leaks into the pit:
- in the winter, up to 40 litres of snow water can possibly come with the wheel housings in just one parking process.
Recommended drainage channels:
- along the front and sections of the pit
- connecting to a floor drain or drainage pit (50 x 50 x 20 cm) with manual emptying out of the drainage pit
- alternatively installation of a pump or drainage channel into the sewerage system, to be performed by the customer
Sideways slope drainage:
- only into a gutter
- not possible in the remaining pit section
Lengthways slope drainage:
- provided according to specified construction dimensions
Environmental safety:
- coating of the pit flooring is recommended
- installation of an oil and/or petrol separator unit between the drainage connection and the main sewerage system is recommended

Temperature

- system operating range: - 10° to +40° C (with unloaded platforms lowering speed is reduced if less than +5° C)
- humidity: 50% at +40° C
- in the event of changes to system conditions please consult with WÖHR

Lighting

- sufficient lighting of the driving aisle and of the parking places must be performed by the customer

Fire safety

- all fire safety requirements and all mandatory equipment (fire extinguisher and fire alarm systems, etc.) must be performed by the customer

Conformity examination (TÜV)



Railings

The units need to be provided acc. EN ISO 13857 with safety railings if the gap between unit and wall exceeds 20cm. If walkways are arranged directly to the side or behind the systems, railings have to be provided by client acc. to local requirements, height min. 200 cm - this is applicable during the construction phase too.

Maintenance

- WÖHR and all the WÖHR partners abroad provide an installation and customer service network
- regular, annual maintenance is provided subject to the stipulation of a maintenance agreement

Prevention of corrosion damage

- all operations listed in the WÖHR Cleaning and Maintenance instructions are to be performed regularly (independently of maintenance operations)
- zinc-plated parts, components and platforms are to be kept clean of dirt, road salt and any other debris (due to corrosion hazards)
- always keep the garage well ventilated and deaerated

Surface protection

- please consider the information on surface protection!

Tender specification

- please consider the specifications!

Parking Place-Profile

- please consider the product information Parking Place-Profile!

Construction formalities

- the documentation necessary for construction permit applications is provided by WÖHR on demand

Construction alterations and/or modifications

- the right to construction or model modifications and/or variations is hereby reserved
- the right to any subsequent part modification and/or variation and amendments in procedures and standards due to technical and engineering progresses or due to environmental regulation changes is also hereby reserved

