

## 223 12th Avenue East



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## OBJECTIVES



Design and construct a four story residential building with 22 Studio and one-bedroom units. Existing structure to be demolished.
Number of Units
Aprox. 22

Number of Parking Spaces
0
Number of Bike Parking Spaces
Sustainability
Provides a 15\% Improvement over the Seattle Energy Code.

|  |  |
| :--- | ---: |
| ARCHITECT | b9 architects |
| DEVELOPER | 233 LLC |
| STRUCTURAL | Malsam Tsang |
| GEOTECHNICAL | Pangeo Inc. |
| LANDSCAPE | Root of Design |

## APPLICATION FOR EARLY DESIGN GUIDANCE

PART I: Contact Information

1. Property Address
2. Project number
3. Additional related project number(s)
4. Owner/Lessee Name
5. Contact Person Name

Firm
Mailing Address
City State Zip
hone
Email address
6. Applicant's Name

Relationship to Project $\begin{aligned} & \text { Bradley Kho } \\ & \text { Architect }\end{aligned}$
7. Design Professional's Name Email address

Project Designer Email address

Address
Phone

223 12th Ave. E
3025863
N/A
233 LLC
Bradley Khouri
b9 architects 610 2nd Avenue Seattle, WA 98104 206.297.1284 office@b9architects.com

## Bradley Khouri

 bgk@b9architects.comBrian Johnson / David Aleman brian@b9architects.com david@b9architects.com

610 2nd Avenue 206.297.1284

## PART II: Site and Development Information

1. Please describe the existing site, including location, existing uses and/or structures, topographical or other physical features, etc.

The existing site is located mid-block on 12th Ave. E in Capitol Hill. The site's topography descends from east to west. The existing triplex structure will be demolished and removed.
2. Please indicate the site's zoning and any other overlay designations, including applicable Neighborhood Specific Guidelines.

The lot is zoned LR3 and located within the Capitol Hill Urban Center Village.
3. Please describe neighboring development and uses, including adjacent zoning, physical features, existing architectural and siting patterns, views, community landmarks, etc.

The immediate neighborhood is residential and consists of various housing typologies, predominantly apartment buildings, townhomes and single family homes. The majority of buildings are older, established and traditional, with some modern buildings adjacent and across the street from the proposal. The development of more contemporary projects is in process within the immediate neighborhood.

Adjacent zones include Neighborhood Commercial to the east and west (at 15th Ave. E. and Broadway E. respectively) and Single Family to the north. Additionally, Cal Anderson Park is two blocks south of the site
4. Please describe the applicant's development objectives, indicating types of desired uses, structure height (approx), number of residential units (approx), amount of commercial square footage (approx), and number of parking stalls (approx). Please also include potential requests for departure from development standards.

The following proposal is for a residential apartment building consisting of approximately 22 units with a mixture of studios and one-bedrooms units; no parking is provided. Approximate structure
height is 44', per SMC 23.45.514A and $F$.
The three design alternatives represent a design exploration and evolution, resulting in a preferred scheme that is contextual in its volume and street engagement; deferential in relation to neighboring buildings: and innovative in its entry experience, courtyard space building modulation, materiality, and negotiation of old and new within a rich architectural landscape.

A departure is requested.

1. Facade Length departure required on the north side property line.


| LR1 |  | SF5000 |
| :---: | :---: | :---: |
| LR2 |  | MIO |
| LR3 |  | MR |
| NC1 | $■ ■$ Urban Village |  |
| NC2 |  | PARK |
| NC3 |  |  |

## ADDRESS

223 12th Ave E
PARCEL \#
600350-1565
LEGAL DESCRIPTION
The south 40 feet of lot 9 ,
block 53, John H. Nagle's 2nd
addition to the city of Seattle,
according to the plat thereof
recorded in volume 5 of plat page 67 records of Kin

## LOT SIZE

5,120 SF
ZONE
LR3
URBAN VILLA OVERLAY
Capitol Hill Urban Center
SEPA
Review Required
3.45504 PERMITTED USES:

- Residential use permitted outright.
23.45.510 FLOOR AREA RATIO:
$2.0 \times 5,120=10,240$ square feet allowable for projects that meet the standards of SMC 23.45.510.C
- Underground stories and portions of a story that extend no more than 4 feet above existing or finished grade, whichever is lower, are exempt from FAR limits.
23.45.512 DENSITY LIMITS
- Density limits do not apply for apartment developments that meet the standards of SMC 23.45.510.C
23.45.514 STRUCTURE HEIGHT:
- For apartment developments located in zone LR3 and within Urban Centers, the height limit is 40 feet.
- Uses in LR3 zones, the applicable height limit is increased 4 feet above the height shown on Table A for 23.45 .514 for a structure that includes a story that is partially below-grade,
23.45.518 SETBACKS AND SEPARATIONS
- Front Setback - 5 feet minimum
- Rear Setback - 15 minimum without alley
- Side Setback - 7 feet average and 5 feet minimum
- Separations - 10 feet minimum separation between principal structures
23.45.522 AMENITY AREA:
- The required amount of amenity area is equal to 25 percent of the lot area
- A minimum of 50 percent of the required amenity area shall be provided at the
- For apartments, amenity area at ground level is to be provided as common space.
23.45.524 LANDSCAPING STANDARDS:
- Landscaping shall achieve a green factor score of 0.6 or greater.
23.45.527 STRUCTURE WIDTH AND FAÇADE LENGTH:
- For apartment developments located in zone LR3 and within Urban Centers, the maximum structure width is 150 feet.
- The maximum combined façade length within 15 feet of a lot line that is neither a rear lot line, a street, or an alley shall not exceed 65 percent of the length of that lo line.

23.54 .040 SOLID WASTE
- For developments containing 16-25 dwelling units, the minimum area for solid waste storage is 225 square feet
- The minimum horizontal dimension of required storage space is 12 feet.

Potential Zoning Envelope

(1) Sola 24 Apartments 109 12th Ave. E. Built: 2014, 11 Units

(7) 2091 thth Ave E. Single Family Built: 2007, 8 Units

(2) Ilaria Apodments 1305 E. Mercer St Built: 2014, 60 units

(8) 219 12th Ave E. Townhouse Built: 2008, 8 Units

(1)

The architectural context in the neighborhood around this site is well-established The immediate neighborhood is dense with multifamily residential buildings of varying architectural character

Single family homes range from iconic gabled homes (see \#9), to traditional craftsman, to uniquely eccentric. A majority of such single family homes have defined the neighborhood since the early 20th century.

Apartment buildings also define the neighborhood, although embody a wider range of age and character.

Buildings at this larger scale vary. More recent apartment and townhome buildings that mimic classical details (gables, trim, lap siding, symmetry) are also a part of this landscape (11).

Lastly, there is significant contemporary development in the neighborhood, both recently finished and in process (2, 3, 4). These buildings are often a composition of rectilinear volumes, sided with wood, colorful panel, or brick. All of the above creates a context that is deeply layered, and continuing to evolve.

(3) The Townhouse Apartments

Built: 1963, 9 Units

(4) Mercer Rowhouses

Built: 2016, 5 Units

(5) 414 12th Ave E, Townhouse

414 12th Ave E, Tows
Built: 2016, 10 Units

(6) 12th and Roy Apartments
Built: 1926, 21 Units

(9) Single Family Residence Built: 1902

(10) 1806 12th Ave E, Apartments

(11) 224 12th Ave E,Townhouses

(12) 1729 12th Ave E, Roosevelt Apartments

## NEIGHBORHOOD CONIEXT


$\square$ site $Q$


223 12th Ave E | \#3025863 | EDG Packet | March 22, 2017 bq architects


(1) Summer events at Cal Anderson Park


(4) Commercial storefronts along 15th Ave E

(2) Seattle Central College on Broadway

(3) Rachel's Ginger Beer on 12th Ave E

(5) Momiji on 12 ht Ave E

(6) 12 AVE ARTS commercial storefront on 12 th ave E variety of established

(7) Chavez Restaurant on 12th Ave E


(1) West Side of 12 th Ave E

(2) East Side of 12th Ave E





## Constraints

-12 th Avenue E is a Minor Arterial that connects the site to Capitol Hill and the Central District
-Located mid-block between E John Street and E Thomas Street
-Located on the West side of street
-Infill site dimensions are 40 feet by 128 feet
-No alley
-All access is from 12th Avenue E
-Context is two to four story primarily residential structures

Immediate neighborhood


MID-BLOCK CONDIIIONS
In developing the proposed design alternatives, the surrounding neighborhood was carefully studied, specifically how existing buildings engage with the street and their respective entry conditions. Mid-block apartment structures were observed to have two distinct entry conditions This analysis provided inspiration for both how to achieve effective engagement with the street as well as ways in which to relate to the existing context.


Building Study Key Map


MID-BLOCK BUILDING WITH CENTRAL ENTRY CONDITION
There is a predominance mid-block apartment buildings in the
neighborhood, similar in overall mass and height, with a central entry condition. Organize on a central axis with the facade, it provides direct engagement to the street and helps establish a specific scal and character.


(1) View of site looking Northwest on 12th Ave. E.

(3) View of site looking East to 12 th Ave. E.

(2) View of site looking Northwest on 12th Ave. E.

(4) View of site looking West.

(5) View of site looking East to 12th Ave. E.

## EXSTINGCONDITIONS

The site, approximately 40 feet wide by 128 feet deep, currently contains multi-sto y multi-family structure with a detached garage. All existing structrures will be demolished and
he site is bounded on three sides by multi-family structures. The site's topography descends from east to west, approximately 6 feet. Without an alley, all physical access is from the street to the east.

The proposed design solutions respond to the site's topography and adjacent structures. A series of design iterations explore methods of varying the massing to maximize modulation and access to light and air, important on this narrow site.
The site is located on the west side of 12th Avenue $E$, a half block south of $E$ John Street. The site has fantastic access to neighborhood parks and is located approximately 2 blocks north of Cal Anderson Park 6 blocks south of Volunteer Park.


(6) View of site looking Southwest.

(8) View of site lookingEast

(7) View of site looking South.

(9) View of site looking Northeast.

The four diagrams below illustrate the initial response to the site and the generation of a conceptual design trategy. The diagram directly below shows an extrusion of the site's build-able footprint in relation to grade, which slopes down from the street at the east to the rear of the site to the west

The primary site response split the building volume into two, pushing郎 second move opens the volumes and maximizes light and air to all units and breaks down the overall mass of the building. The third move carve the front volume to the south for facade relief and varied building form, resulting in architectural character

$\bullet \bullet \bullet \bullet \bullet \bullet \bullet \bullet \bullet \bullet \bullet \bullet \bullet \bullet \bullet \bullet \bullet \bullet \bullet \bullet \bullet \bullet \bullet \bullet \bullet \bullet \bullet \bullet \bullet \bullet \bullet \bullet \bullet \bullet \bullet$
The next step in design evolution inserted circulation (shown in green). This involved locating a tair and elevator core in between two articulated building volumes. This reduces the depth of uilding mass and creates voids for light and air to the north and south of the central corridor. After adding the cores for circulation one material is introduce to signify the circulation throughout the structure. Additionally, a roof deck is provided and all the apartment units are facing south giving
oportunities for better views. oportunities for better views.


## DESIGN PROPOSAL

Aternative is a code compliant scheme with (22) apartment units.

This alternative proposes an internal double-loaded corridor for access to all units from 12th Avenue E.

The units stack on all floors with stairs at either end of the double loaded corridor.

This proposal responds to the immediate context with a central entry at the street.
A rooftop deck is proposed at the center and east side of the structure

## Advantages:

- Code compliant, no departures
- Common Amenity Area at rear of site
- Common Amenity Area at one side.
- Contextual building volume and central
clear entry.
Issues:
- Larger, more uniform massing
- Small courtyard space.
- Central entry reduces amount of residential
space at the street facade
- No lobby space


Aerial View from Southeast.

Alternative 2 proposes (22) apartment units.
This alternative proposes a single-loaded corridor for access to all units from 12th Avenue E .

A recessed entry is proposed along the north side of the site which develops from the site analysis documented above.

The massing of the structure is separated into two volumes creating more opportunities for light and air while minimizing the shadow to the north property.
It provides a varied approach to the structure's circulation, with a mix of interior and exterior walkways. the single-loaded corridor creates a more balanced and results in vertical circulation interna to the site.


Aerial View from Southeast.

Advantages:

- Common Amenity Area at rear of site
- Common Amenity Area at central courtyard
with improved proportion.
- Varied building form, resulting in
architectural character.
More balanced street facade
- Larger, uniform massing to south - Less modulated south facade

Alternative 2

Alternative 3 contains (22) apartment units.
All apartments are oriented to the south for better access to natural light.

All units have access to daylight on at least two sides.
This results in a more varied massing strategy that is better scaled with its adjacent properties.
The entry provides direct access to an internal community room at street level, visible from the sidewalk.
The second required stair is proposed to be exterior, activating the center of the site and provideing less hadow impact on the adjacent parcel to the north and better access to views from the roof

Advantages:
Common Amenity Area at rear of site.

- Common Amenity Area at widened, central

Maximized side setback at north and south
facade.

- Increased front setback at street level for a
otal of 7 feet.
- Egress stair at south facade, separates from
the structure entry.
- Open corridors to the center of the structure.
- Opportunities for extterior common areas
t each floor.
Reduced massing, particularly from exterio
stair improves relationship to adjacent sites.
ssue
- Departure required for facade length north facade for exterior stair.


Aerial View from Southeast.

## ALTERNATVE-1

Alternative 1 is a code compliant scheme with (22) apartment units.

This alternative proposes an internal double-loaded corridor for access to all units from 12th Avenue E.

The units stack on all floors with stairs at either end of the double loaded corridor.

This proposal responds to the immediate context with a central entry at the street
A rooftop deck is proposed at the center and east side of the structure.

## Advantages:

- Code compliant, no departures
- Common Amenity Area at rear of site.

Common Amenity Area at one side.

- Contextual building volume and central, clear entry.
Issues:
Larger, more uniform massing
Small courtyard space.
- Central entry reduces amount of residentia
space at the street facade.
- No lobby space



## 

Aerial View from Southeast.


AA. Section through Alternative 3
looking North


looking West


## ALTERNATVE 2

Alternative 2 proposes (22) apartment units.
This alternative proposes a single-loaded corridor for access to all units from 12th Avenue E.

Arecessed entry is proposed along the north side of the site which develops from the site analysis documented above.

The massing of the structure is separated into two volumes creating more opportunities for light and air while minimizing the shadow to the north property.
It provides a varied approach to the structure's circulation, with a mix of interior and exterior walkways. ruacion, winh a mix of interior and exterior walkways. he single-loaded corridor creates a more balaced treet facade the site.


Aerial View from Southeast.

## Advantages:

Common Amenity Area at rear of site

- Common Amenity Area at central courtyard
with improved proportion
Varied building form, resulting in
architectural character.
- More balanced street facade
- Larger, uniform massing to south. - Less modulated south facade



AA. Section through Alternative 3
looking North

looking West


## ALTERNATIVE 3

Alternative 3 contains (22) apartment units
All apartments are oriented to the south for better access to natural light.

All units have access to daylight on at least two sides.
This results in a more varied massing strategy that is better scaled with its adjacent properties.

The entry provides direct access to an internal community room at street level, visible from the sidewalk.
The second required stair is proposed to be exterior, activating the center of the site and provideing less shadow impact on the adjacent parcel to the north and better access to views from the roof.

## Advantages:

Common Amenity Area at rear of site.

- Common Amenity Area at widened, central

Maximized side setback at north and south facade.

- Increased front setback at street level for a
total of 7 feet.
- Egress stair at south facade, separates from he structure entry.
- Open corridors to the center of the structure.
- Opportunities for extterior common areas
at each floor.
Reduced massing, particularly from exterio
stair improves relationship to adjacent sites.
ssue
- Departure required for facade length north facade for exterior stair.



AA. Section through Alternative 3 looking North

looking West


## SETBACK DIAGRAMS

The below diagrams highlight the setbacks of each scheme, showing both the minimum setbacks required by code and the strategies for providing average quirements. These diarams quirements. These diagrams the alternatives to result in the preferred Alternative 3 which provides a more varied massing with more responsive setbacks to adjacent sites



## DESIGNGUIDELINES

## CONTEXT AND SITE

CS1 Natural Systems and Site Features B. Sunlight and Natural Ventilation
C. Topography

CS2 Urban Pattern and Form
A. Location in the City and Neighborhood
B. Adjacent Sites, Streets, and Open Spaces
. Relationship to the Block
D. Height, Bulk, and Scale

Capitol Hill CS2 Supplementary Guidelines: Streetscape Compatibility
Height, Bulk and Scale
CS3 Neighborhood Character
A. Emphasizing Positive Neighborhood Attributes

Response to Design Guidelines
The three design alternatives draw from an analysis of the surrounding Capitol Hill, urban context. The mid-block building patterns and forms were observed and cataloged in two categories in order to understand the neighborhood's character. These include: Mid-block building's identifiable facing the street with central entrance; and Mid-block conditions with entries to one side.

The preferred scheme incorporates these qualities and proposes a new interpretation and vision: a contemporary side entry at the street; a unique architectural experience with a public amenity area; exterior character achieved through modulation; generous distance between neighboring buildings; and integration of a central courtyard that is also experienced, in maintain height, bulk and scale that is cohesive and complementary to the existing surrounding buildings while responding to the existing tobuildings pography

Via all these elements, the proposed design intends to root itself in the surrounding context and re-envision its defining elements in contemporary and innovative ways.


## PUBLIC LIFE

PL1. Connectivity
A. Network of Open Spaces
B. Walkways and Connections

PL2. Walkability
A. Accessibility
B. Safety and Security
C. Weather Protection
D. Wayfinding

Capitol Hill PL2 Supplementary Guidelines: Human Scale
Pedestrian Open Spaces and Entrances Personal Safety and Security

## PL3. Street-Level Interaction

A. Entries
C. Residential Edges

Capitol Hill PL 3 Supplementary Guidelines: Human Activity

PL4. Active Transportation
A. Entry Locations and Relationships

Response to Design Guidelines
Open space throughout the project contributes o how the building provides opportunities for habitants to engage with each other
he preferred design provides a courtyard in the center of the property along with a smaller outdoor common space at each floor. These contribute to an environment that creates access to ample light and air. The outdoor terraces also provide a visual conenction beyond the site to views of the downtwon

There is a visual link between the front and rea of the site, providing a connection between the entry at 12th Avenue E and the courtyard be yond.
This reinforces the proposed building's connection and engagement with the street. The building entry is clearly identified on the stree facade. It is responsive to the adiacent contex and engages with the sidewalk and street


## DESIGN CONCEPT

C1. Project Uses and Activities A. Arrangement of Interior Uses

C2. Architectural Concept
A. Massing
B. Architectural and Façade Composition
C. Secondary Architectural Features
D. Scale and Texture
E. Form and Function

DC3. Open Space Concept
A. Building-Open Space Relationship
B. Open Spaces Uses and Activities
C. Design

Capitol Hill DC3 Supplementary Guidelines: Residential Open Space
Landscape Design to Address Special Site Conditions

DC4 Materials
A. Exterior Elements and Finishes

Capitol Hill DC4 Supplementary Guidelines: Exterior Finish Materials


## Response to Design Guidelines

he proposed project creates a dialogue between the new building and the existing neighborhood context and encourages tenants through spaces that provide opportunity for connection.

The design brings together components of builaing types in the neighborhood that contribute to neighborhood character. Achieved through the composition of volumes and a compelling facade and entry, the design is both new and forward thinking and informed by precedent and context.
The design prioritizes shared spaces including lobby, street facing amenity area, exterior courtyard at the first floor, as well open amenity areas every floor as connections between the two structu and air to the units in the middle.

At both building and human scales, the design of open space intends to promote connection, from the relationships between neighboring buildings to the interaction between inhabitants of the building itself and the community.

The prefered design alternative requires a departure in facade lenght in order to achieve the goals of the project described above


COMP FTED WORK b9ARCHITECTS


Townhomes at 416 19th Avenue E



Townhomes at 1818 E Yesler Way


Shared courtyard at 1818 E Yesler Way




Rowhouses at E Mercer St

## PROJECTS IN PROGRESS b9ARCHITECTS



Lot J apartments by b9 architects in Ballard


View showing courtyard and entry


Apartment building by b9 architects in Capitol Hill


View showing street facade and entry


Apartment building by b9 architects in 12th Ave E


View showing courtyard entry

