

BOROUGH BASED JAILS BROOKLYN FACILITY

275 Atlantic Avenue, Brooklyn, NY 11201

**PUBLIC DESIGN COMMISSION
PRELIMINARY REVIEW**

April 15, 2024

BBJ PROGRAM SUMMARY

Replace existing jails with a **smaller, safer, fairer** system that will have:

- four borough-based sites near existing courthouses
- continued focus on re-entry and support services
- enhanced staff support and wellness spaces including a gym, staff lounge, outdoor space and quiet areas



GOALS FOR THE BOROUGH-BASED JAILS

- **Humane facilities** designed to improve health, educational, and social outcomes
- **Safer facilities** through design with improved lines of sight, a more modern layout, smaller units and better monitoring
- **Accessible** to families, staff, social services and community service providers
- Increased **quality programming** to reduce violence and recidivism



Visitation space

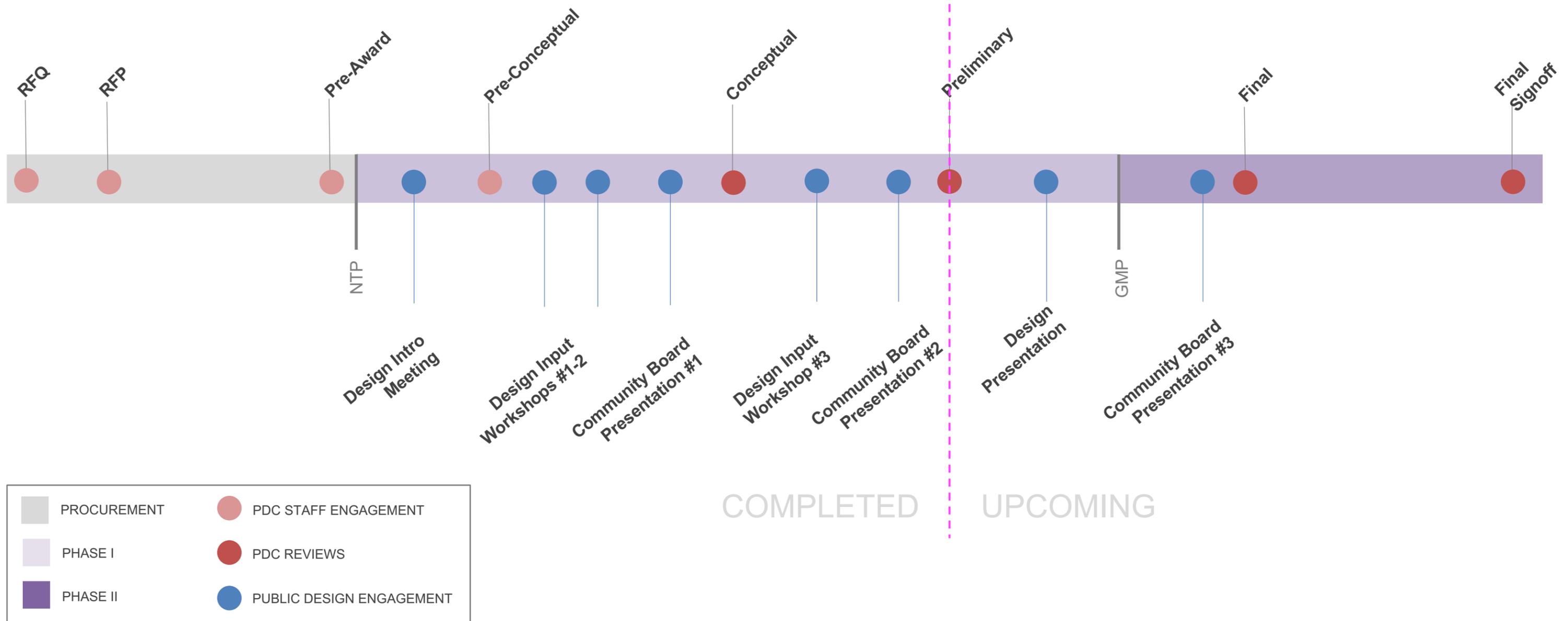
Source: Beyond Rikers: Master Plan for the Borough Based Jails, Perkins Eastman, 2019.

DDC STAKEHOLDER ENGAGEMENT OVERVIEW

- Broad set of stakeholders being engaged, including city and state partner agencies, community stakeholders, and justice advocates
- Dedicated outreach team
- Community Construction Liaison
- Independent peer reviews
- Human experience design research



BBJ BROOKLYN PUBLIC DESIGN ENGAGEMENT



PUBLIC DESIGN INPUT FOCUS AREAS



PUBLIC REALM



ARCHITECTURE



INTERIOR
PUBLIC SPACE



INTERIOR
SPACE

FOCUS ON DIGNITY AND RESPECT

ENSURE SAFETY AND SECURITY

CONNECT WITH COMMUNITY AND FAMILIES

CREATE A CIVIC ASSET

ACHIEVE EXCEPTIONAL DESIGN

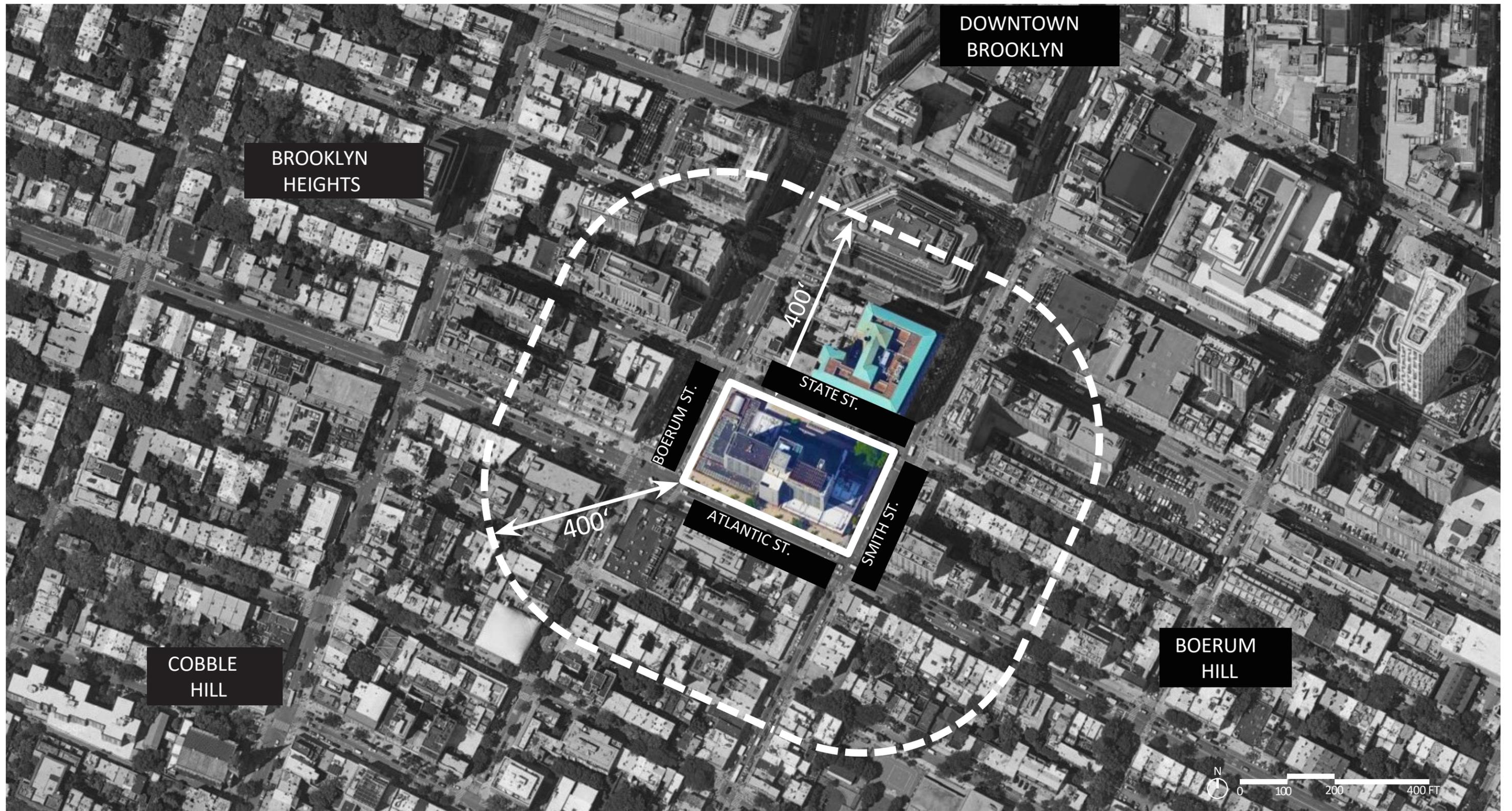
PRIORITIZE ENVIRONMENTAL STEWARDSHIP

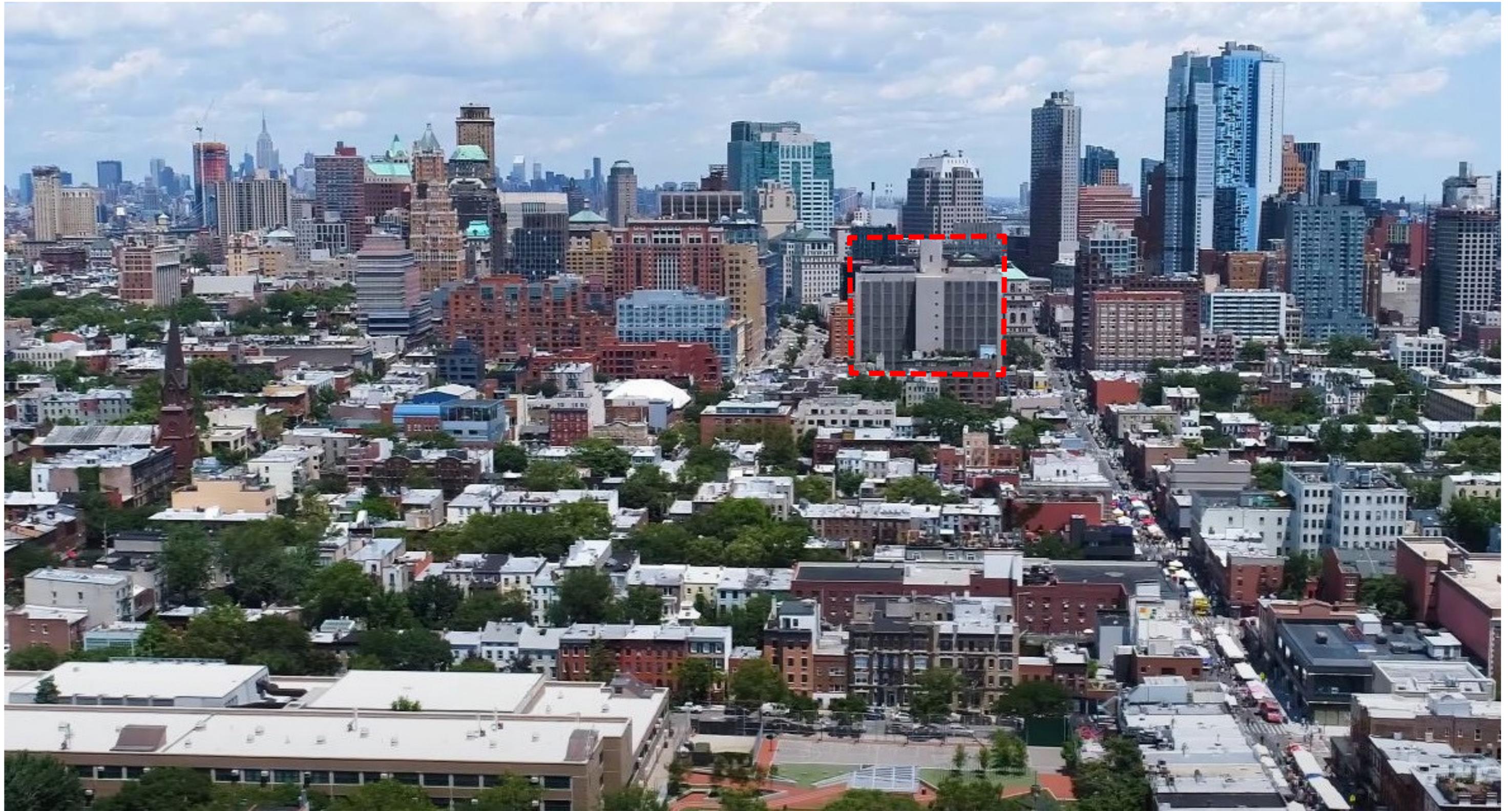
FOCUS ON DAYLIGHT & WELLBEING

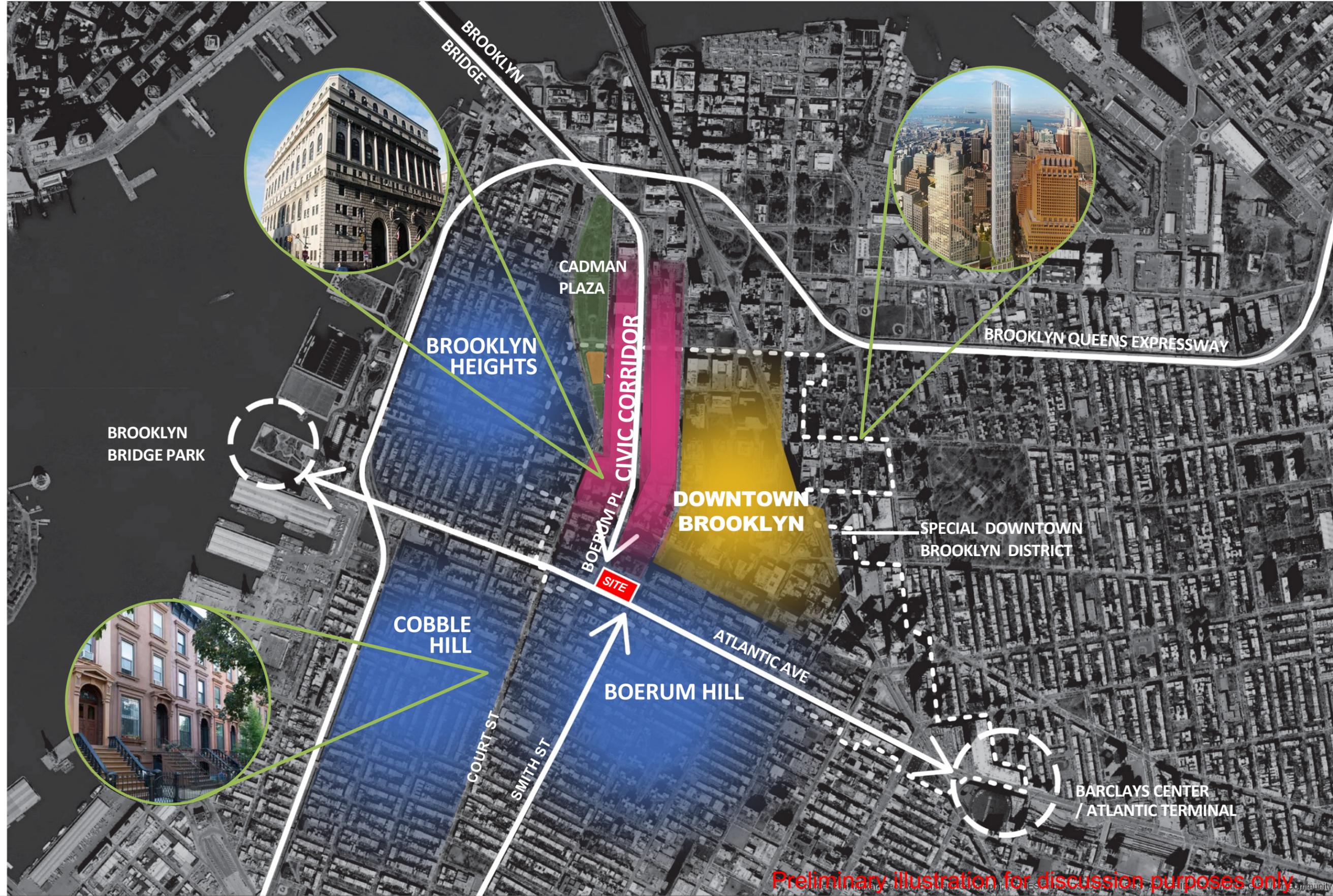
ENSURE CONSTRUCTIBILITY

ACHIEVE ECONOMICAL DESIGN

OPTIMIZE BUILDING PERFORMANCE







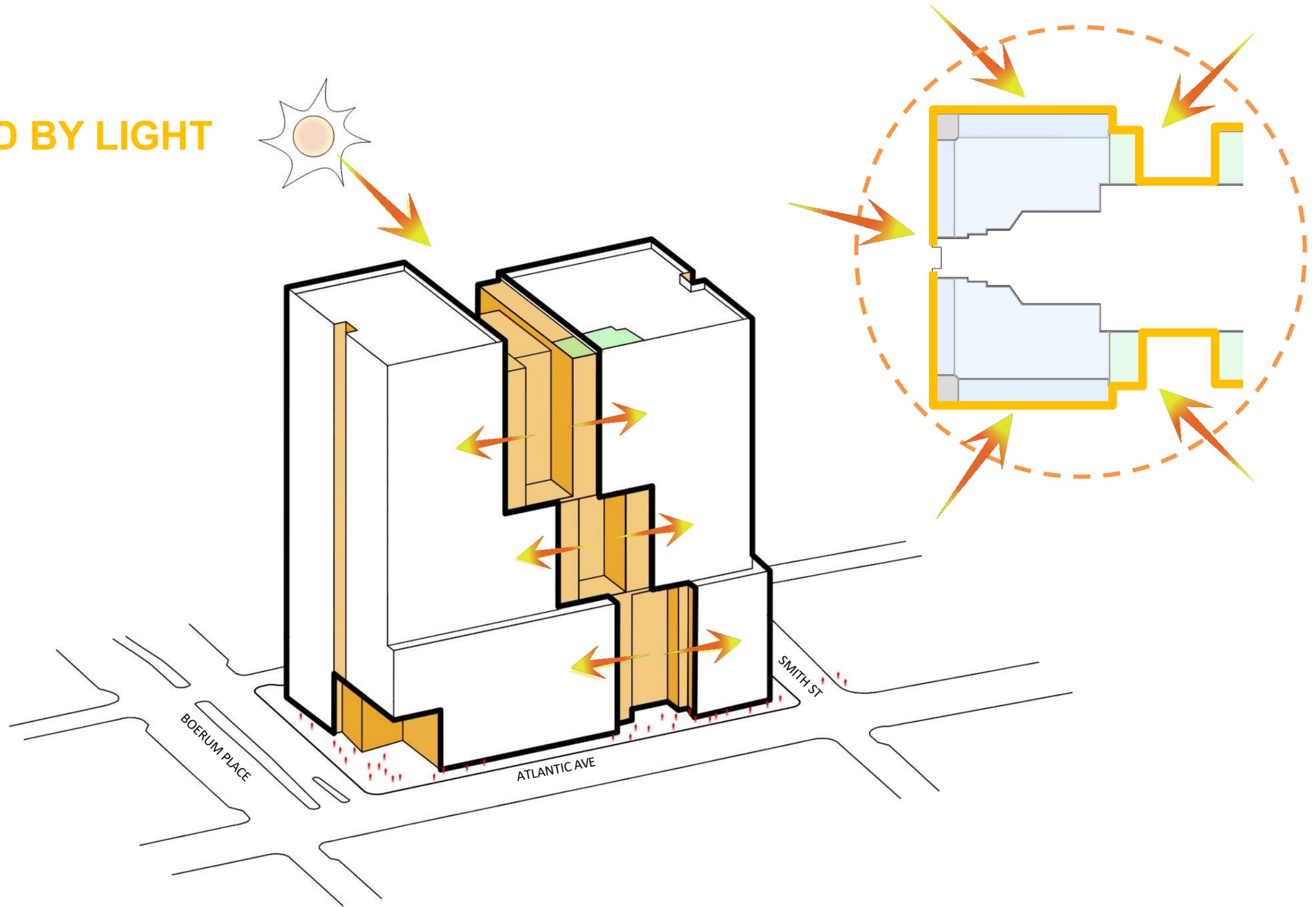
- SITE
- CADMAN PLAZA
- CIVIC CORRIDOR
- MAIN ROADWAY

Preliminary illustration for discussion purposes only

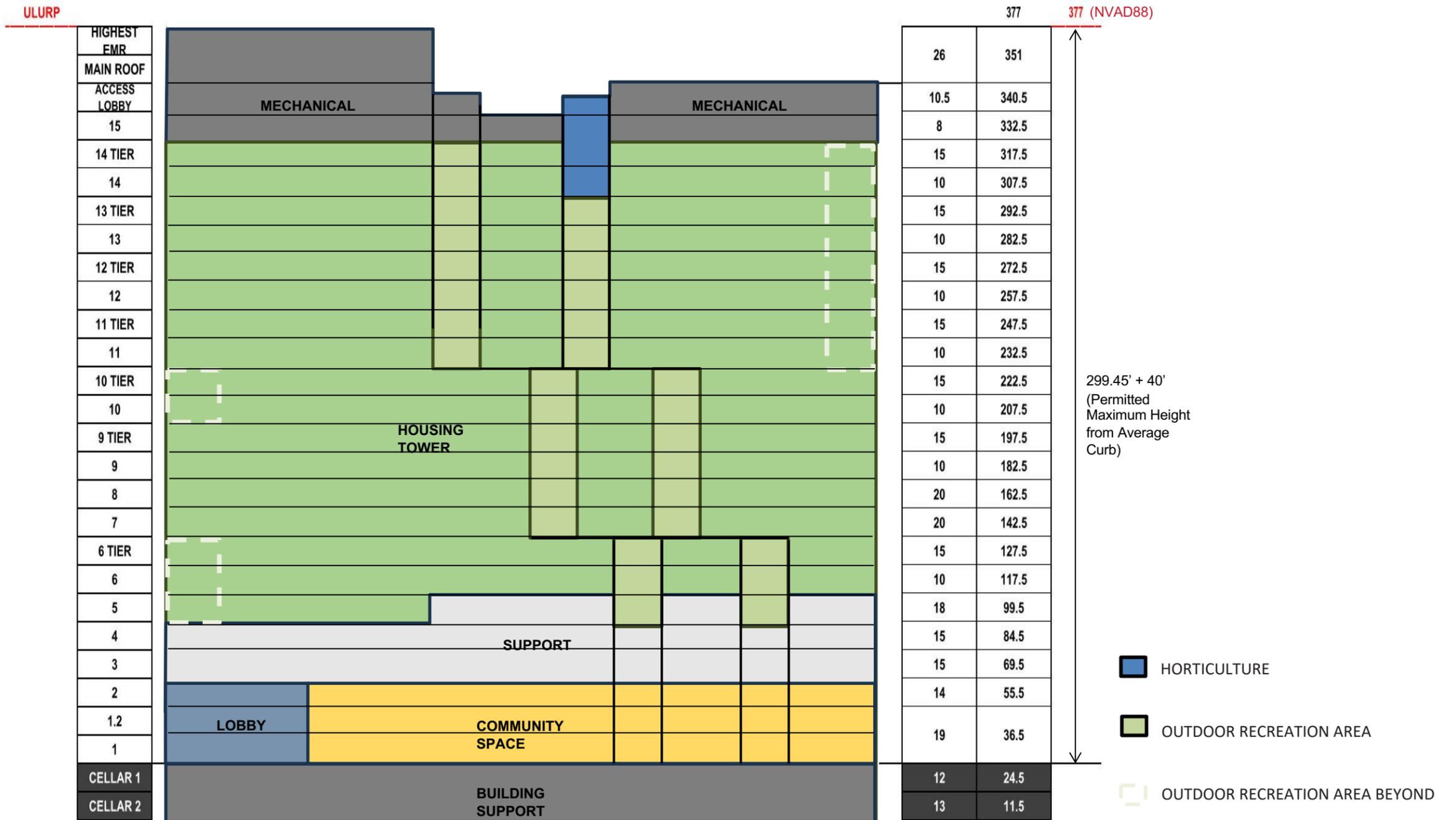


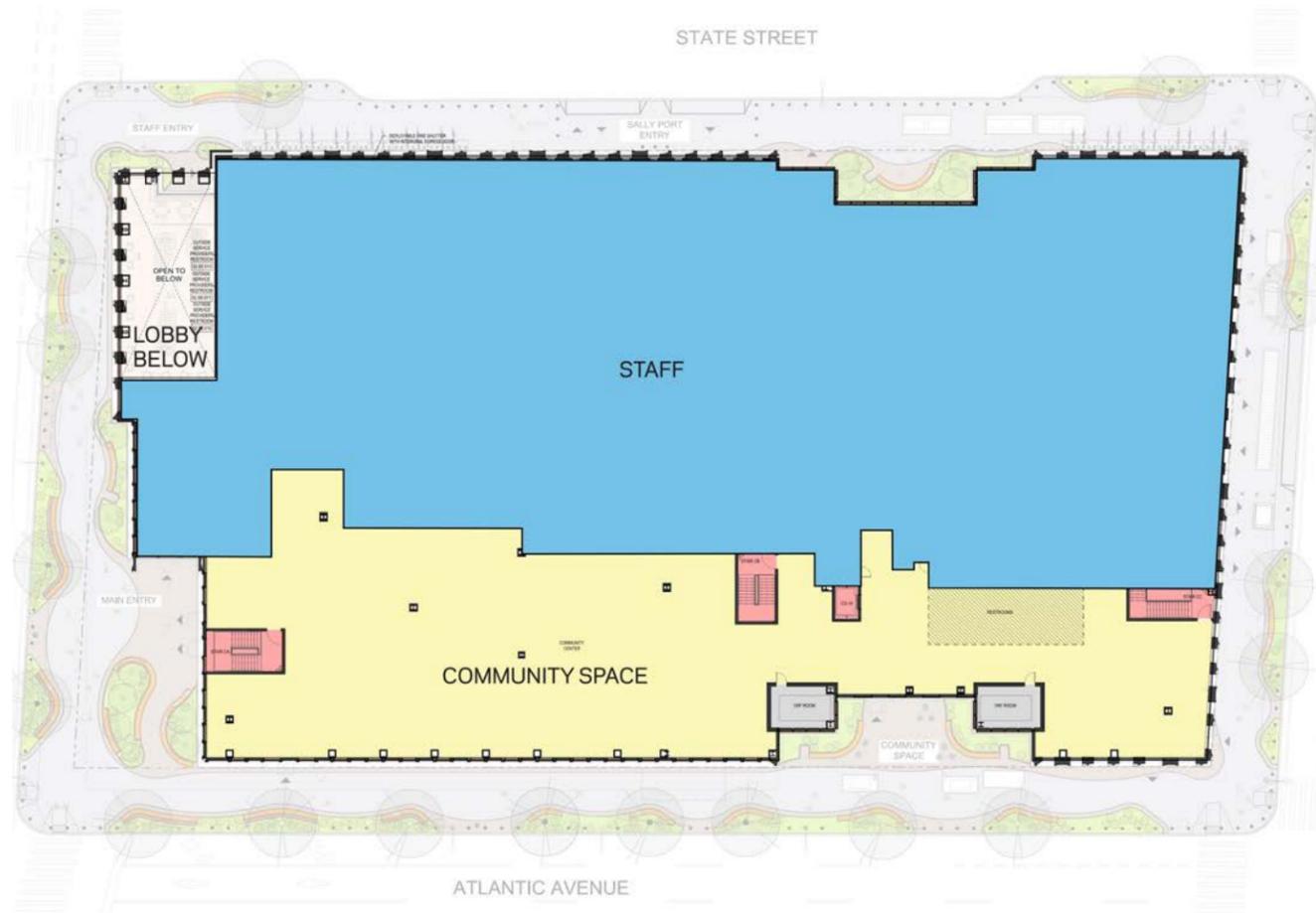
-  STREET TREES
-  VEHICLE ENTRANCE
-  PUBLIC ENTRANCE
-  STAFF ENTRANCE
-  CITI BIKE (PROPOSED)
-  CITI BIKE (EXISTING)
-  PUBLIC PARKING
-  AUTHORIZED PARKING
-  AREA CIVIC SERVICE
-  SET-BACK LINE
-  PROPERTY LINE
-  BIKE LANE

SCULPTED BY LIGHT

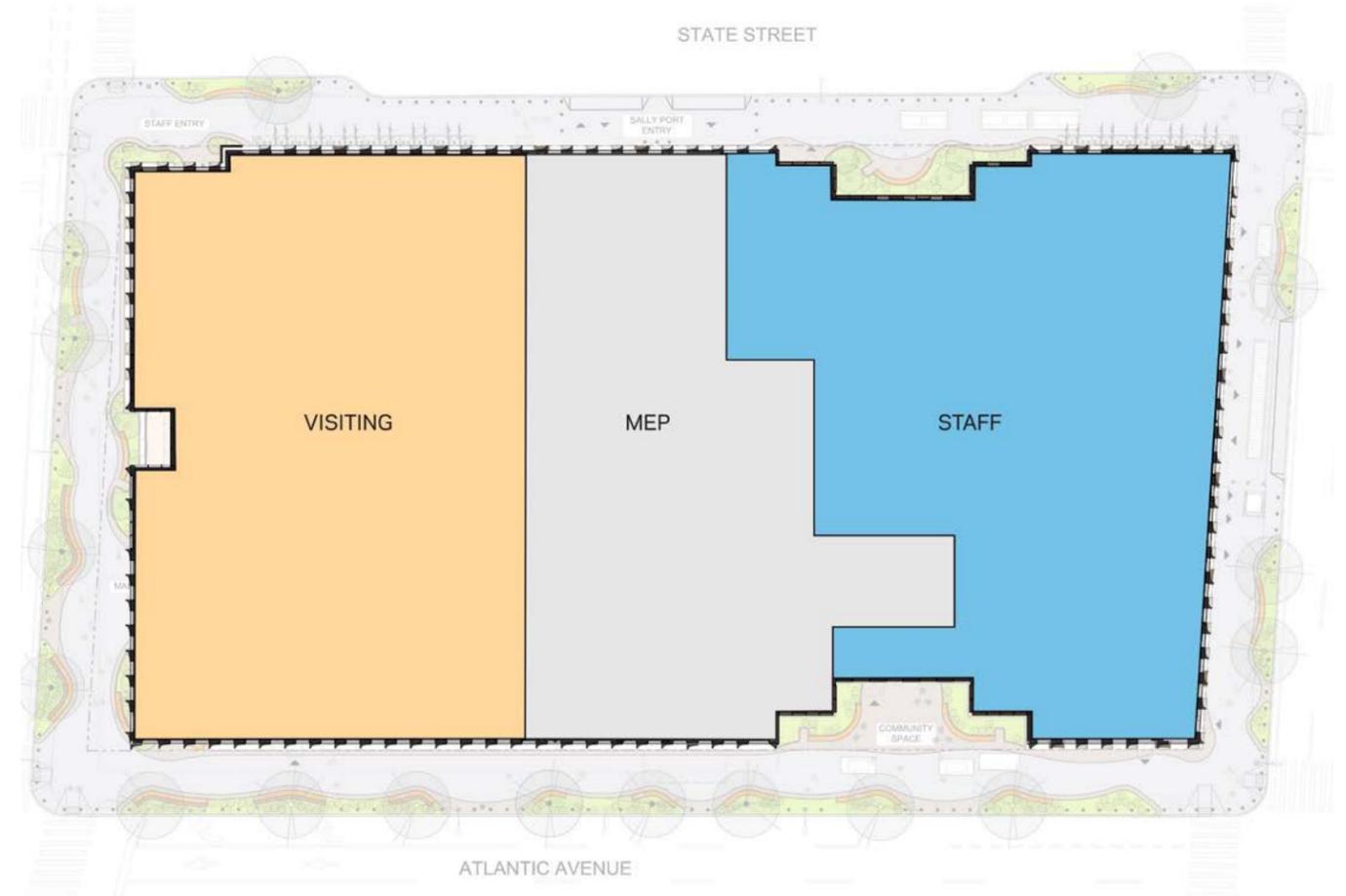


LEVEL	PROGRAM	FLOOR TO FLOOR (FFET)	ELEVATION (FEET)
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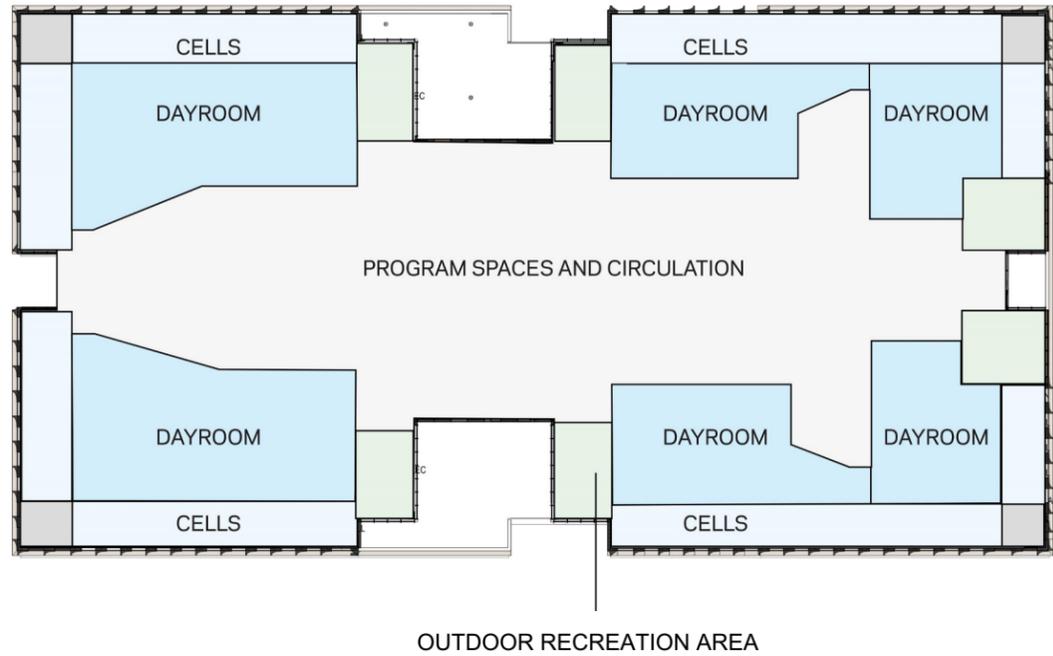
LEVEL 2 FLOOR PLAN



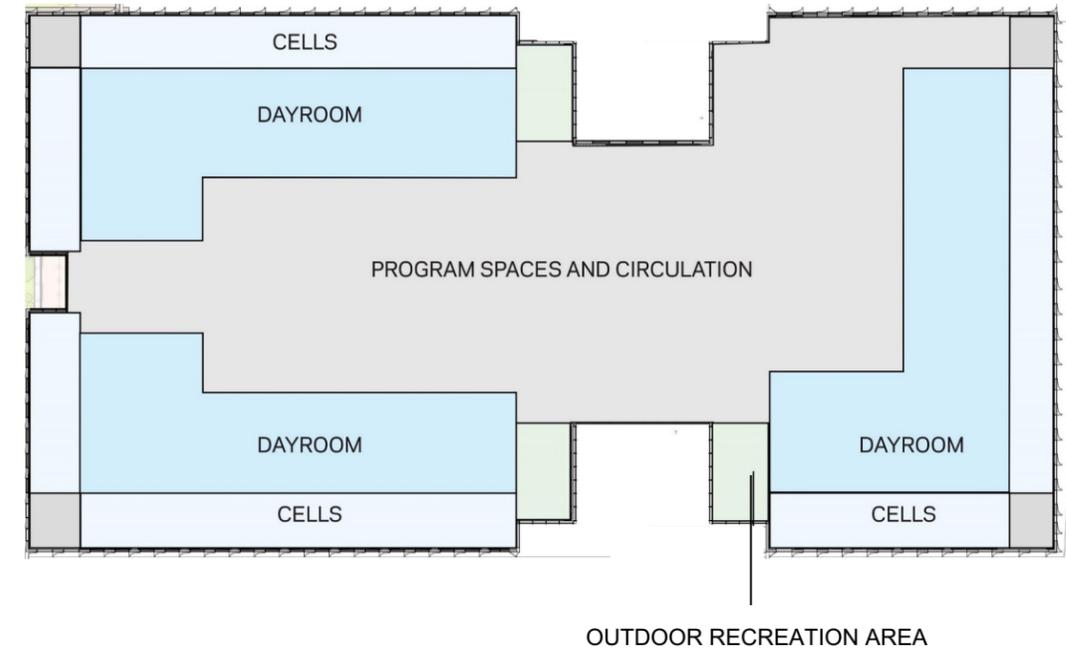
LEVEL 4 FLOOR PLAN

- COMMUNITY SPACE
- VISITING
- MEP
- STAFF





TYPICAL GENERAL POPULATION HOUSING

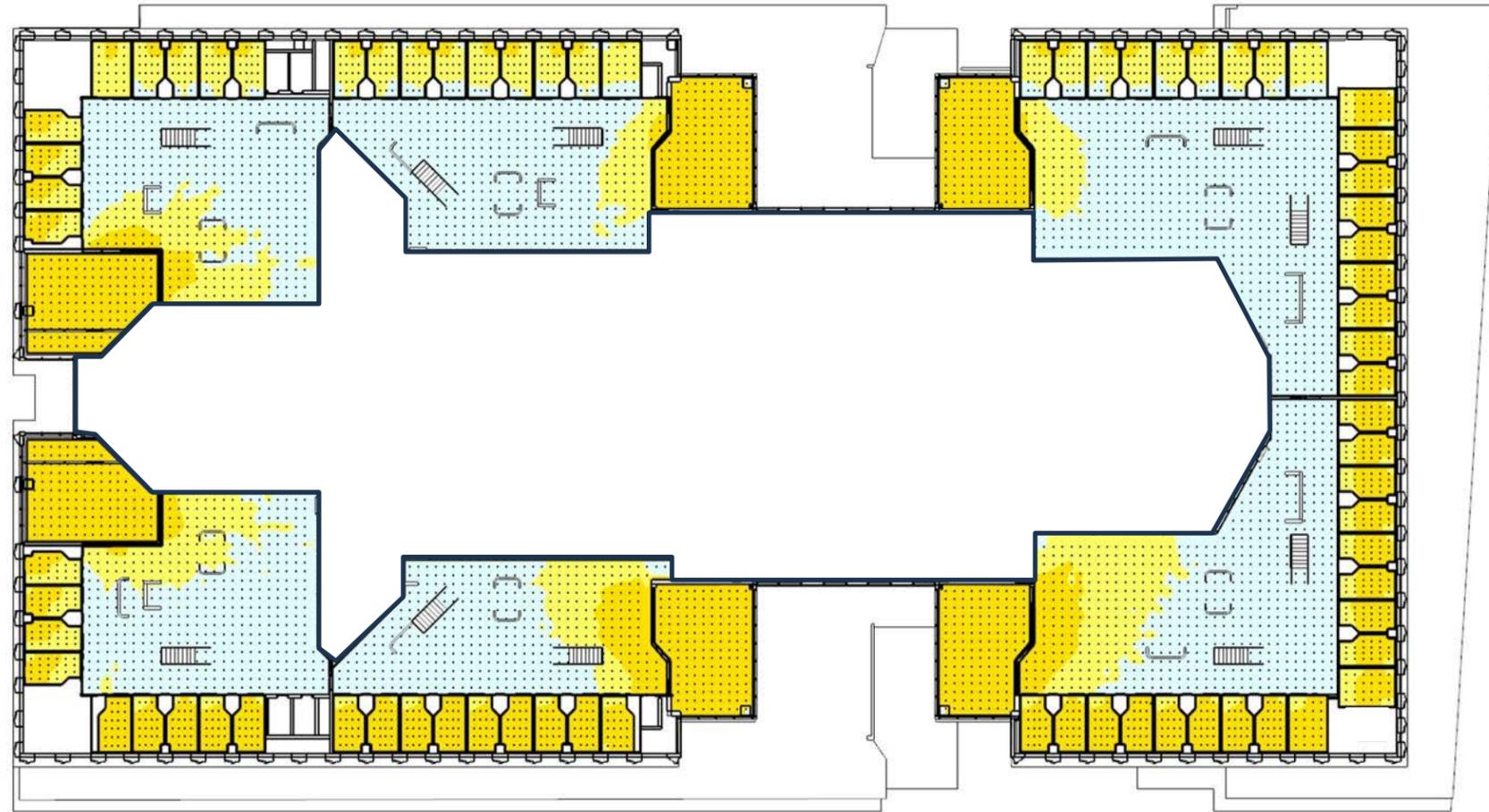


TYPICAL THERAPUTIC HOUSING

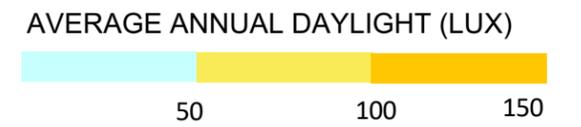
- CELL MEP
- HOUSING UNIT
- DAYROOM
- OUTDOOR RECREATION AREA
- FACILITY PROGRAMS

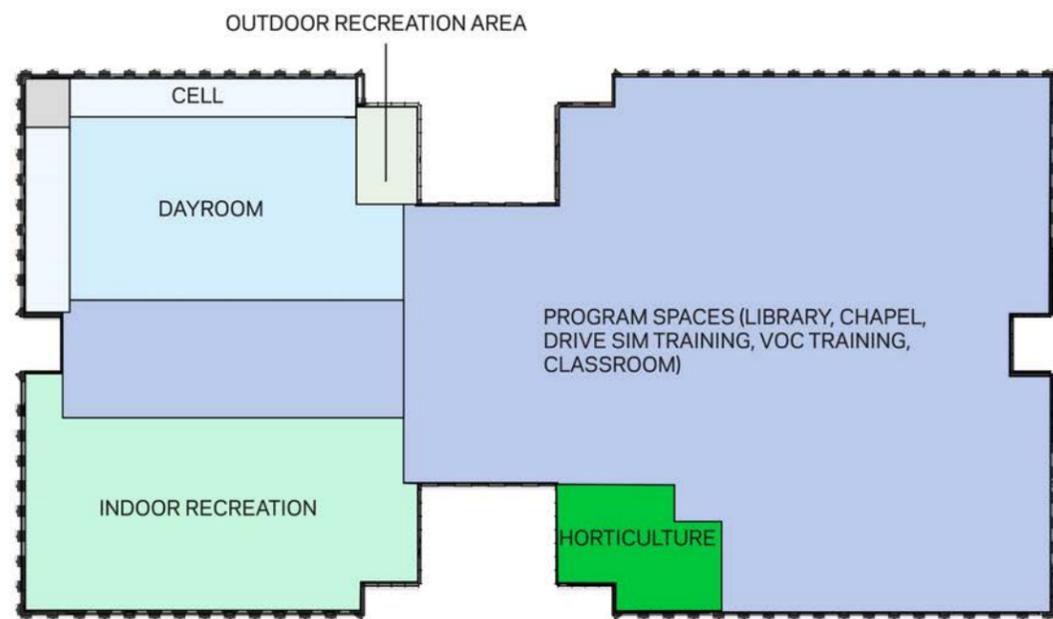
CELLS

It is not feasible to house program at building corners due to security concerns. In order to provide secure sightlines, 3 housing units would need to be eliminated at each corner, equaling a potential elimination of 96 housing units for the entire Brooklyn Facility.

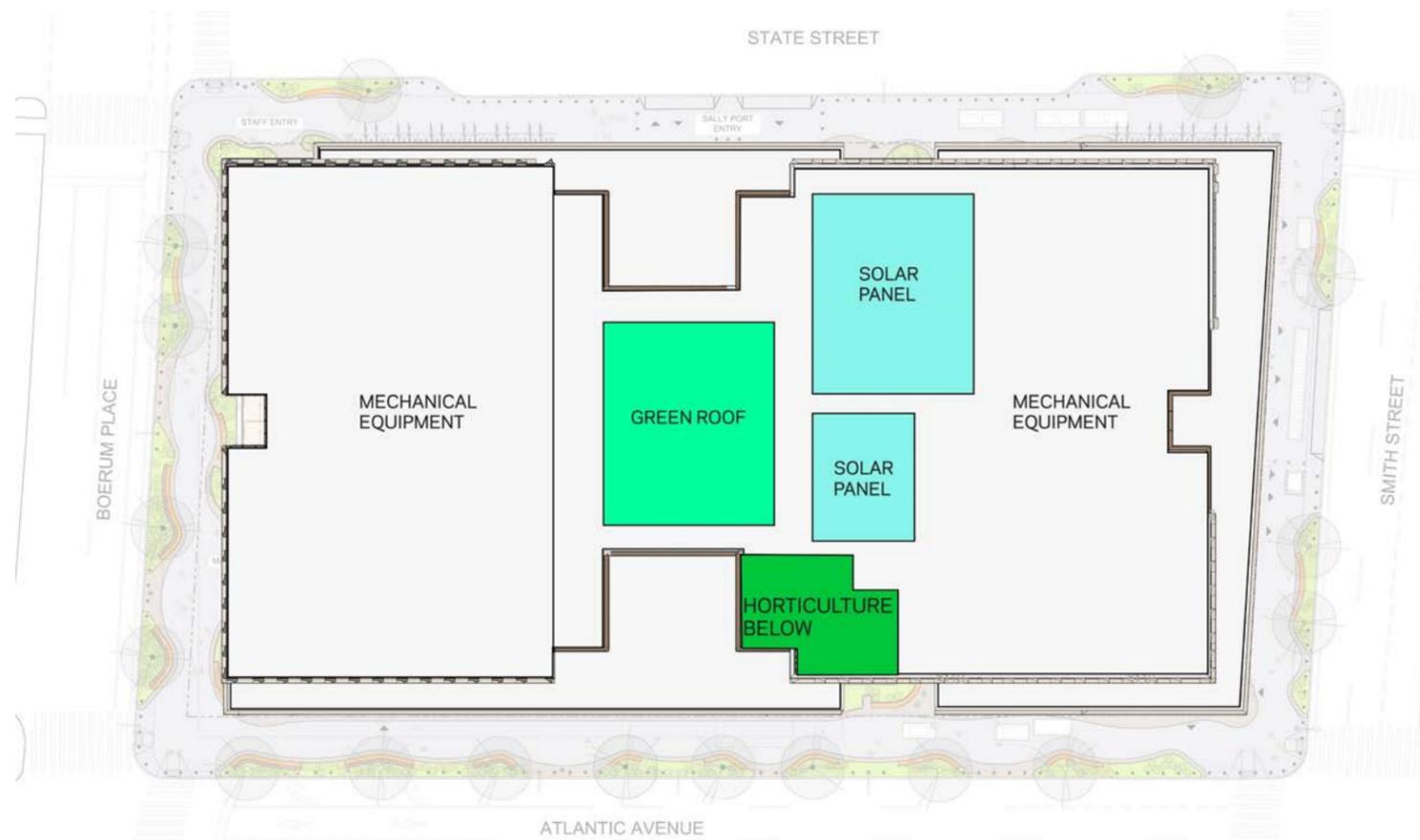


Extended light level indicated represents the average daylight condition throughout the entire year





LEVEL 14 FLOOR PLAN



ROOF PLAN



PAVING
Hanover Porcelain Pavers: Manhattan



Porcelain Pavers



WOOD SLAT BENCHES
FSC® Hardwood II, Cumaru Wood
Hardware: Powdercoated Steel
Color: Umbra Gray



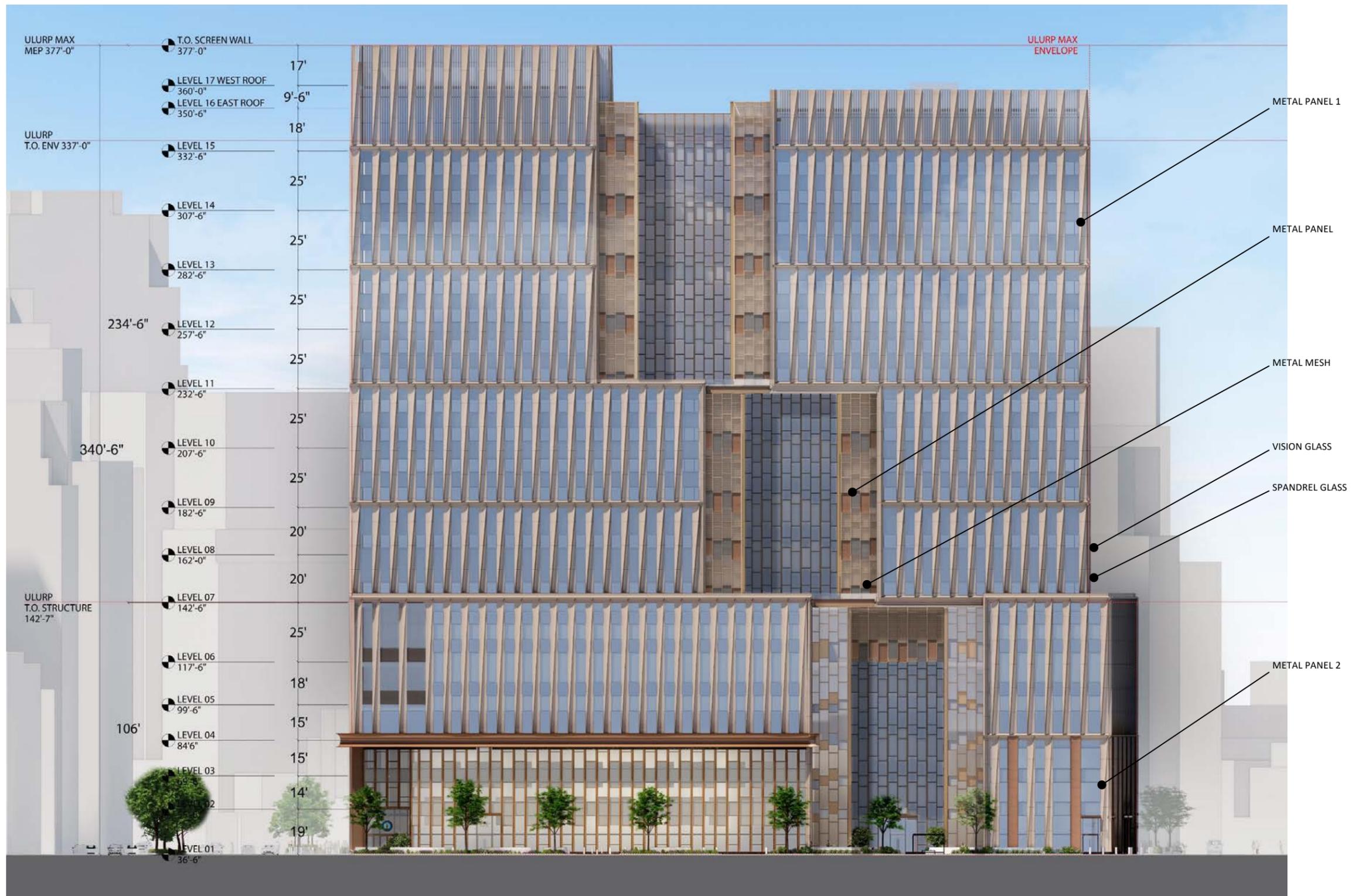
Wood Slats Hardware Connections Armrests and Legs

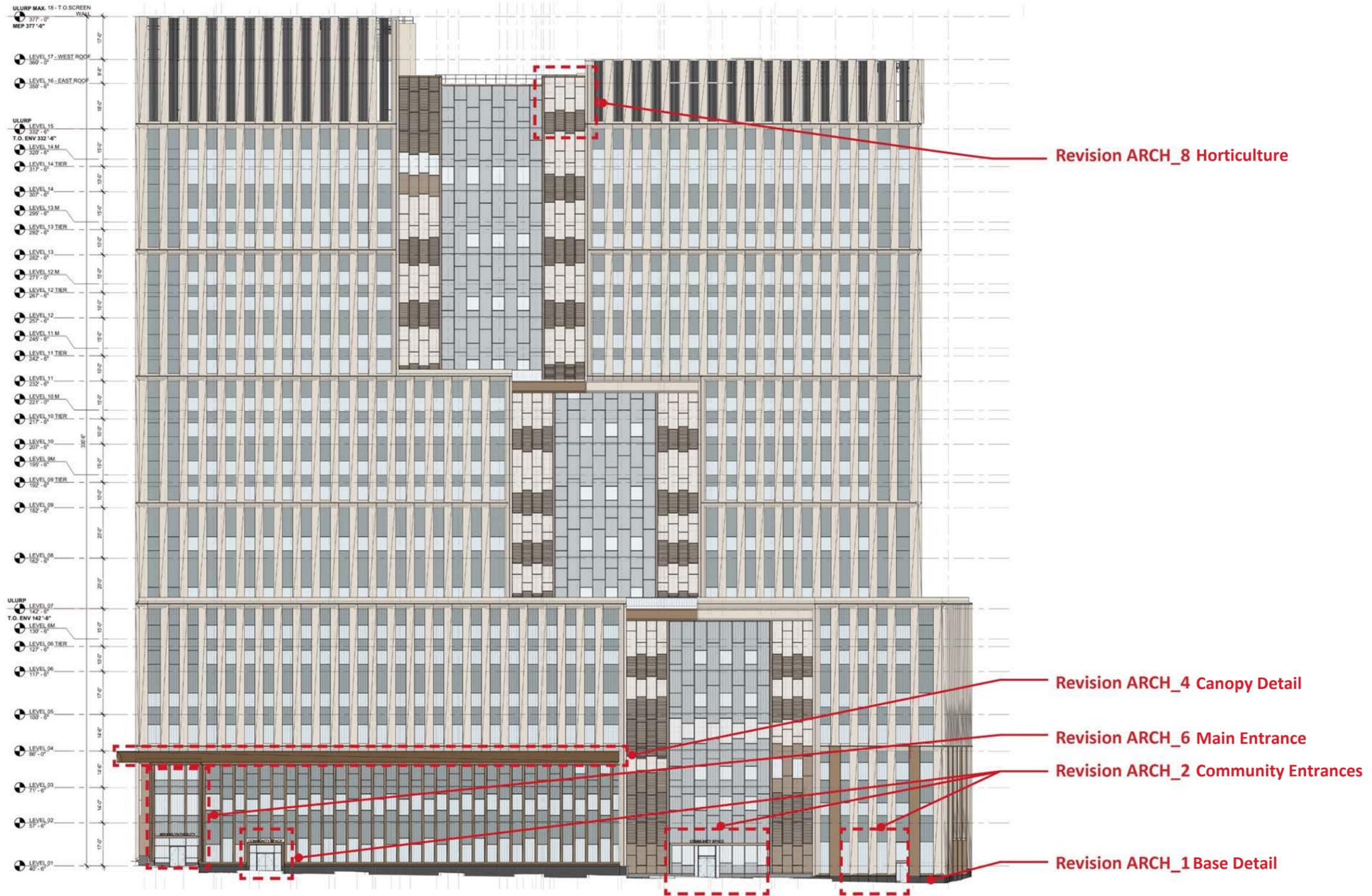


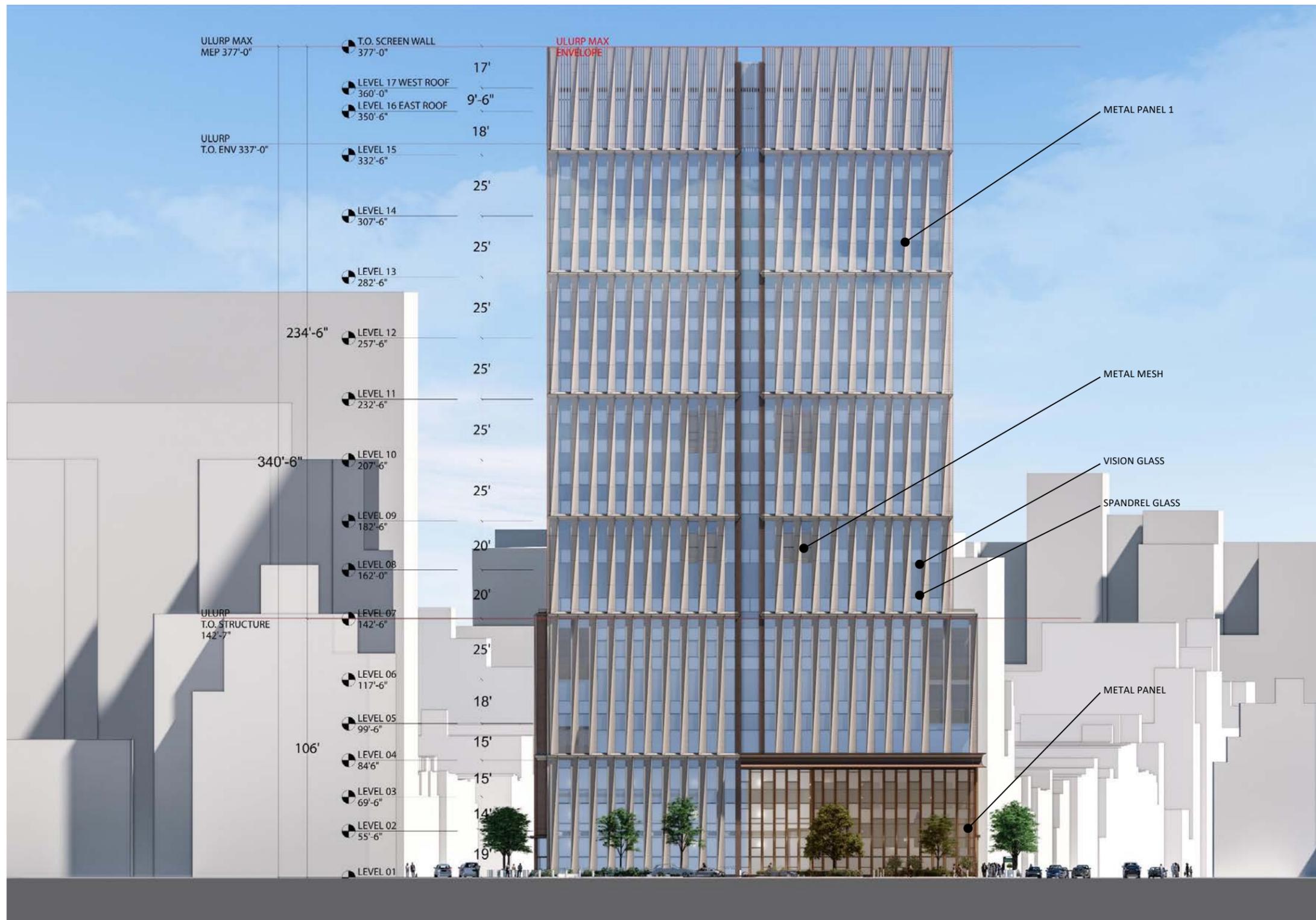
TREE PIT EDGING
Tournesol, Powdercoated
Color: Fern

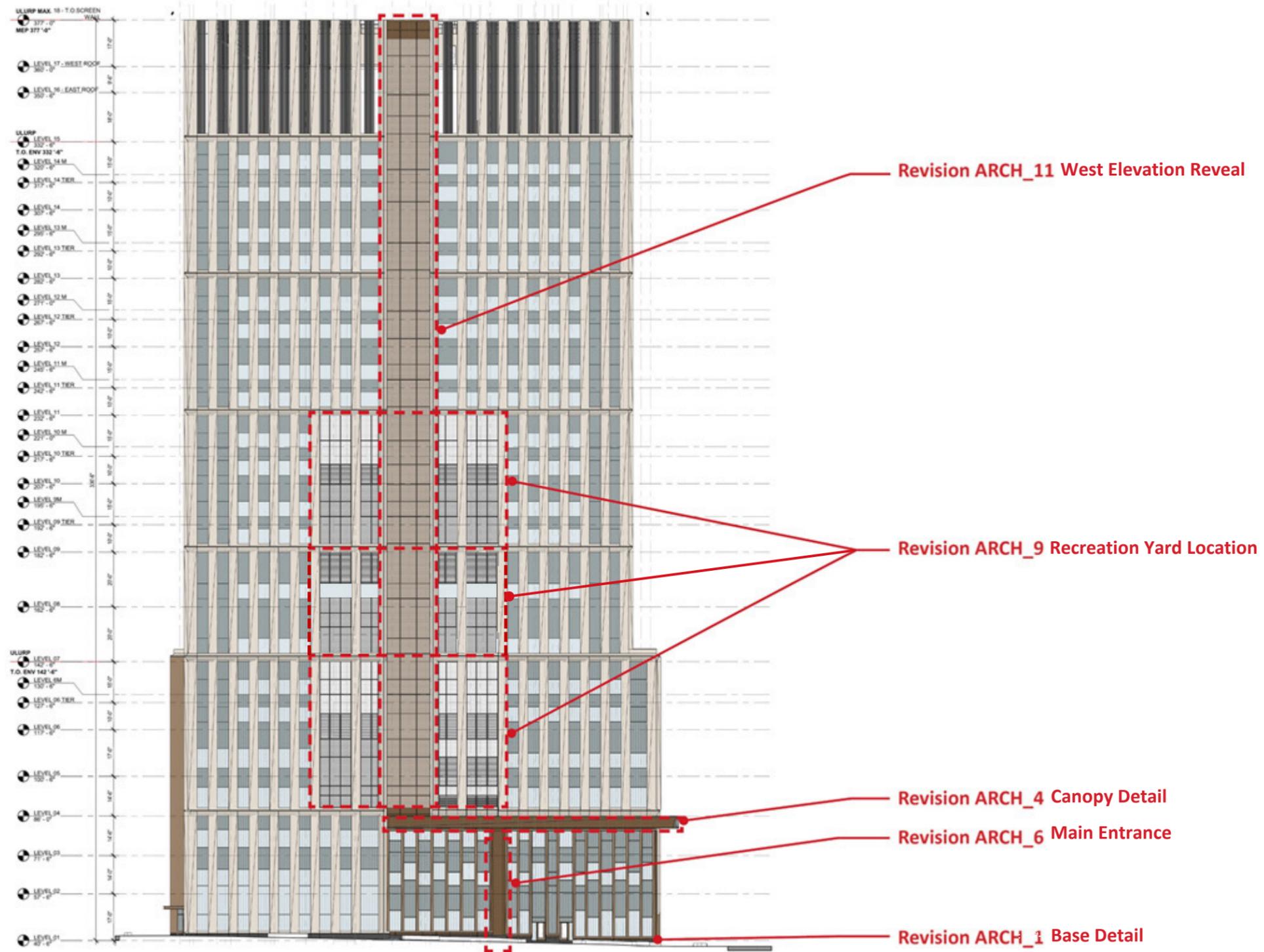


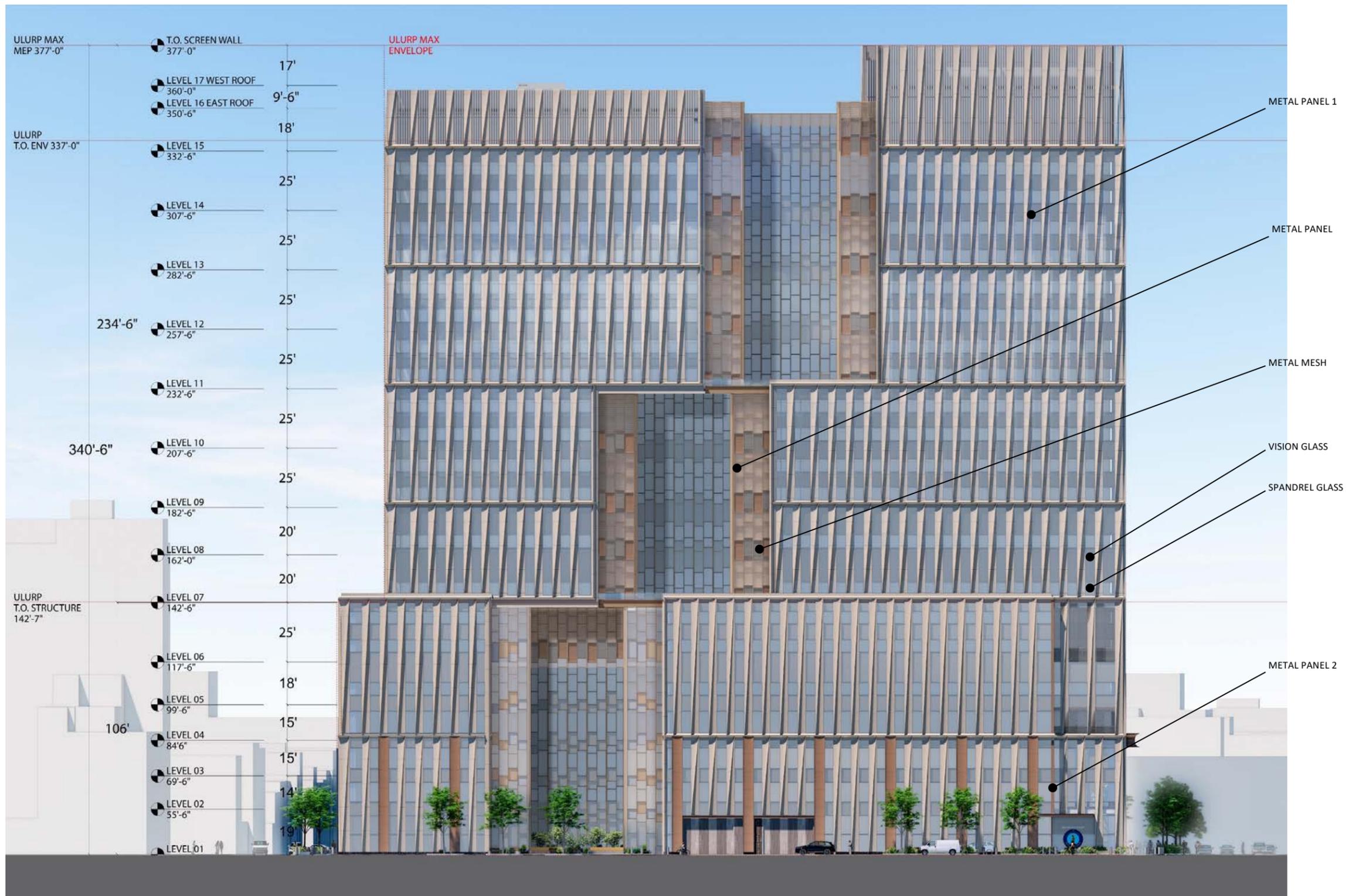
Fern

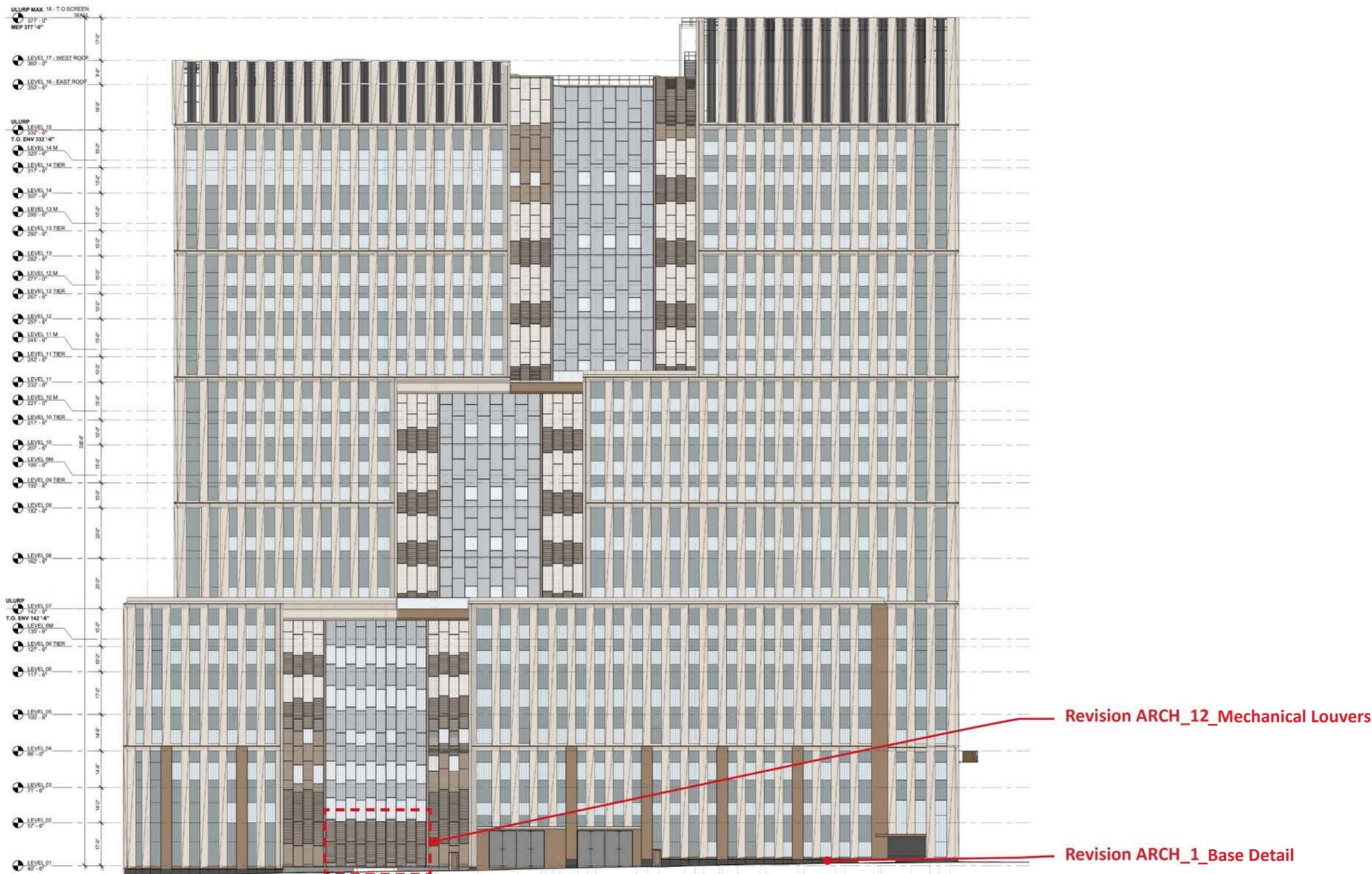




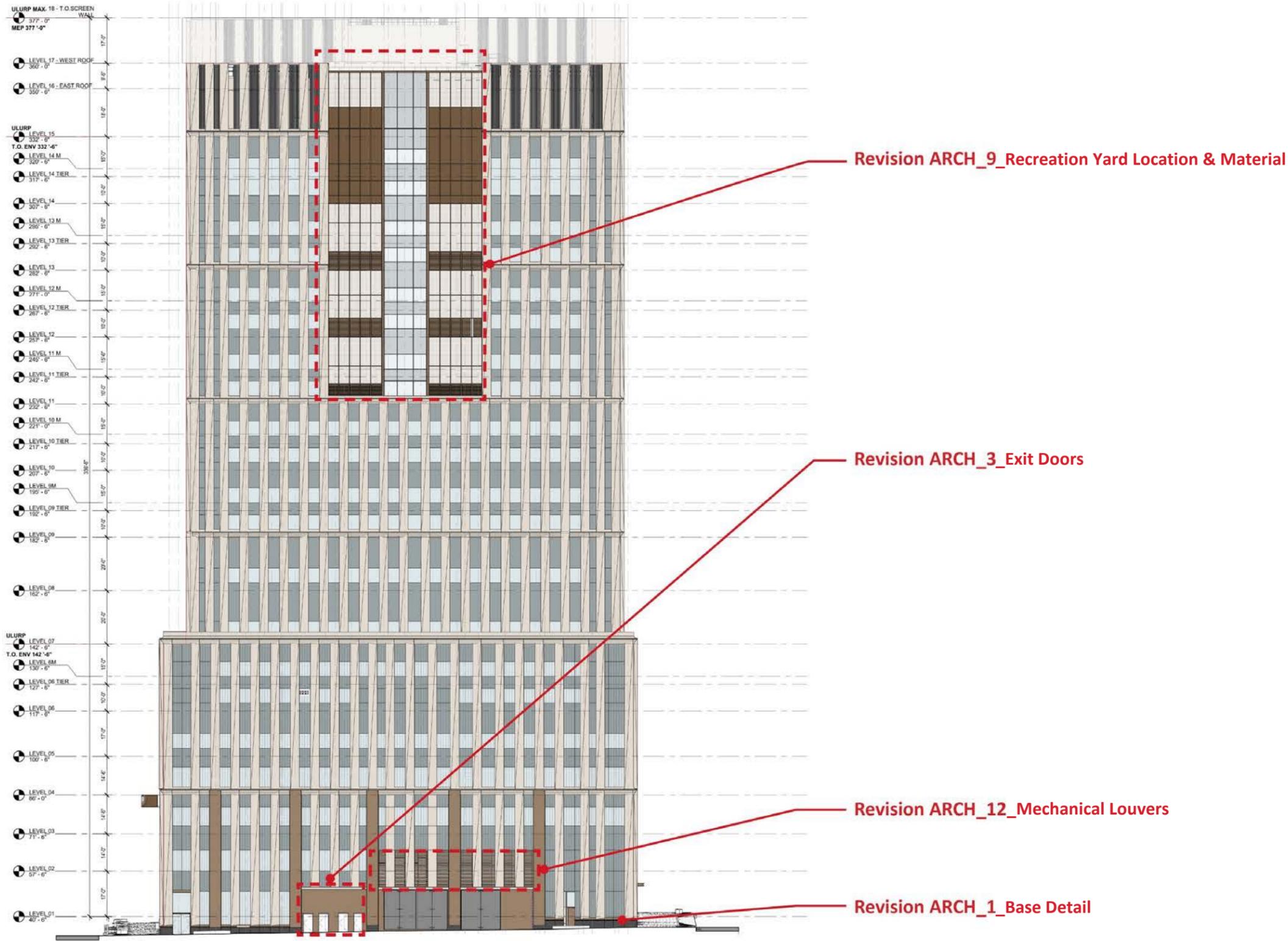


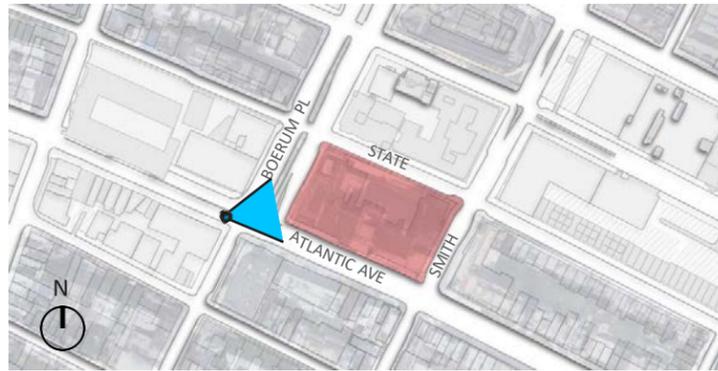


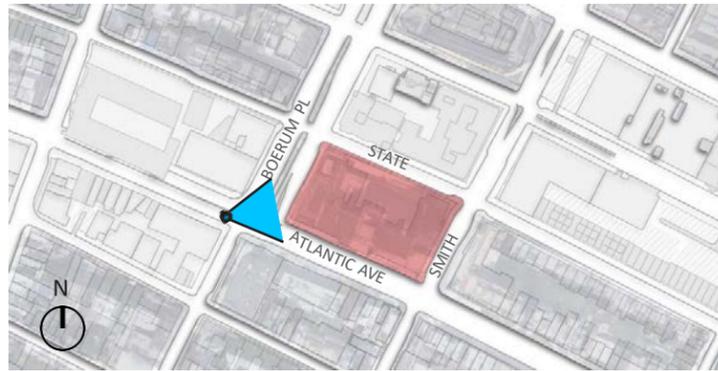










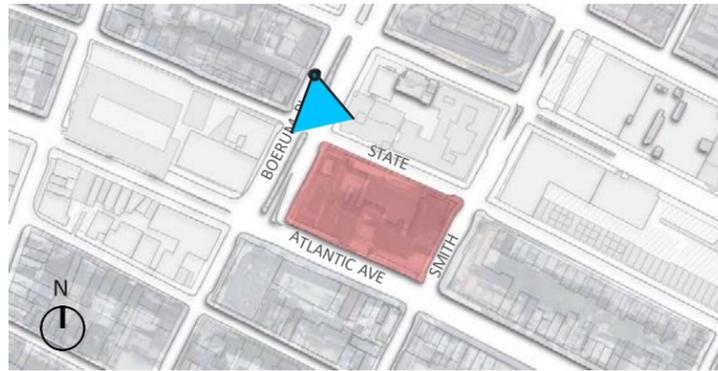


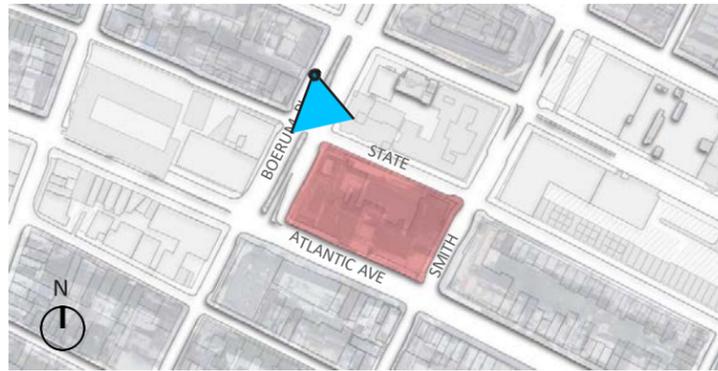
Revision ARCH_11 Reveal

Revision ARCH_9 Rec Yard Location

Revision ARCH_4 Soffit Detail







Revision ARCH_11 Reveal

Revision ARCH_9 Rec Yard Location

Revision ARCH_4 Soffit Detail





Revision ARCH_9 Rec Yard Location





Revision ARCH_9 Rec Yard Location



MTL-01
Finishes Applied to
Horizontal Member

MTL-01
Finishes Applied to
Vertical Member

Option1
PPG White Duck
UC136518

Option 2
PPG Natural
Wicker UC105747

MTL-04
Finishes Applied to
Mullion

Option 1
PPG Silver Gray
UC50958 XL

Option 2
PPG Pewter
UC51713XL

GL-01
Vision Glass

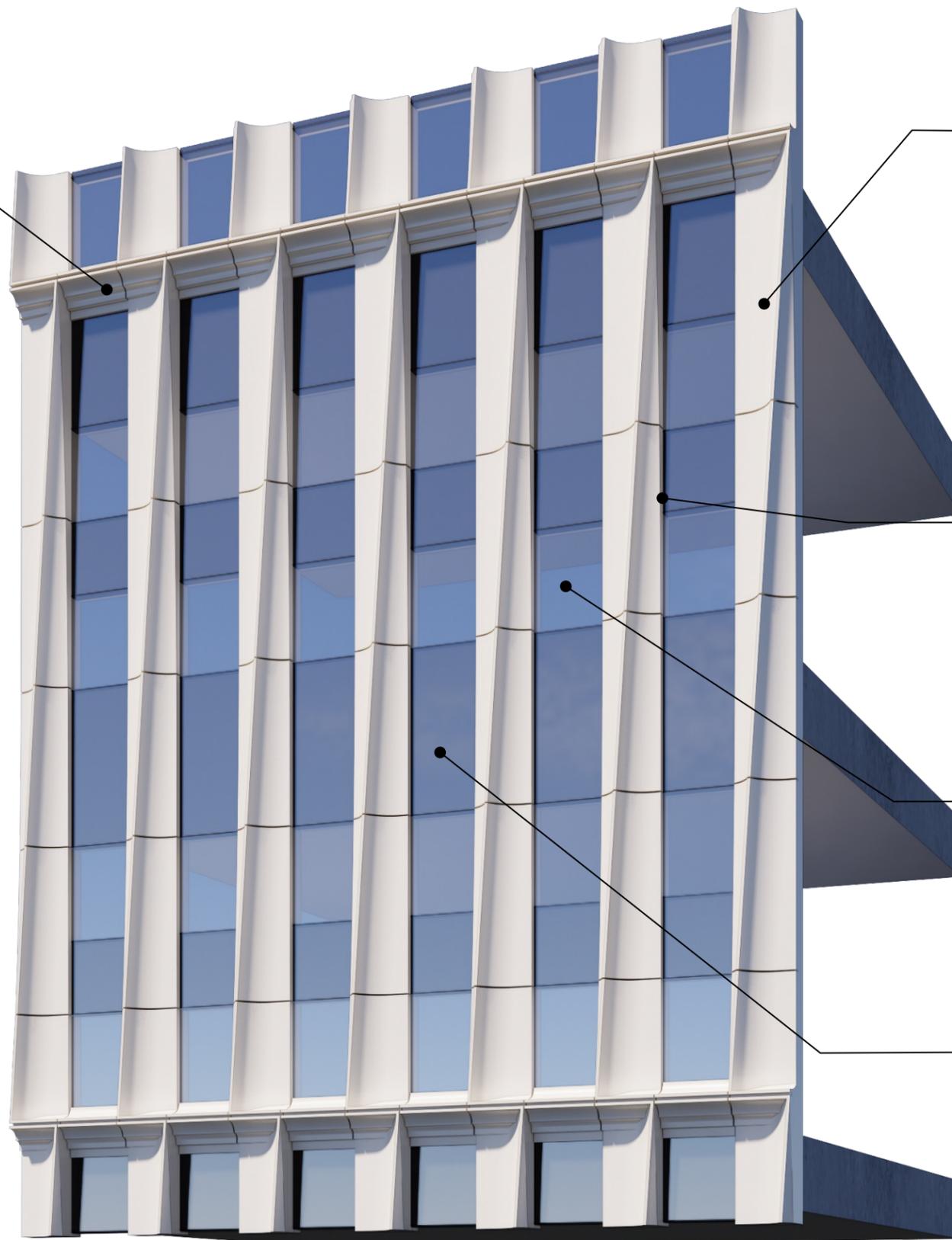


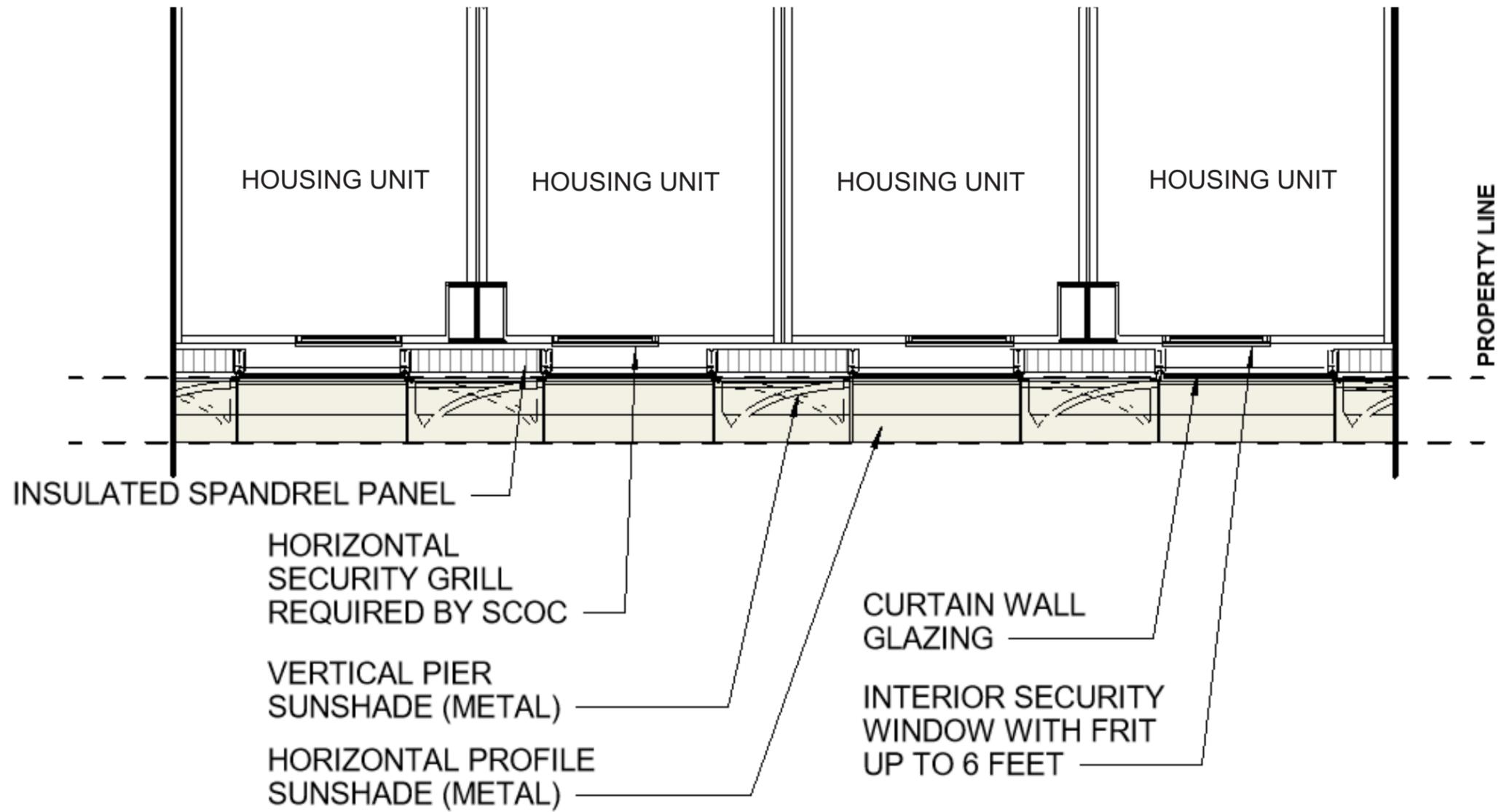
GL-01 Vision
Glass

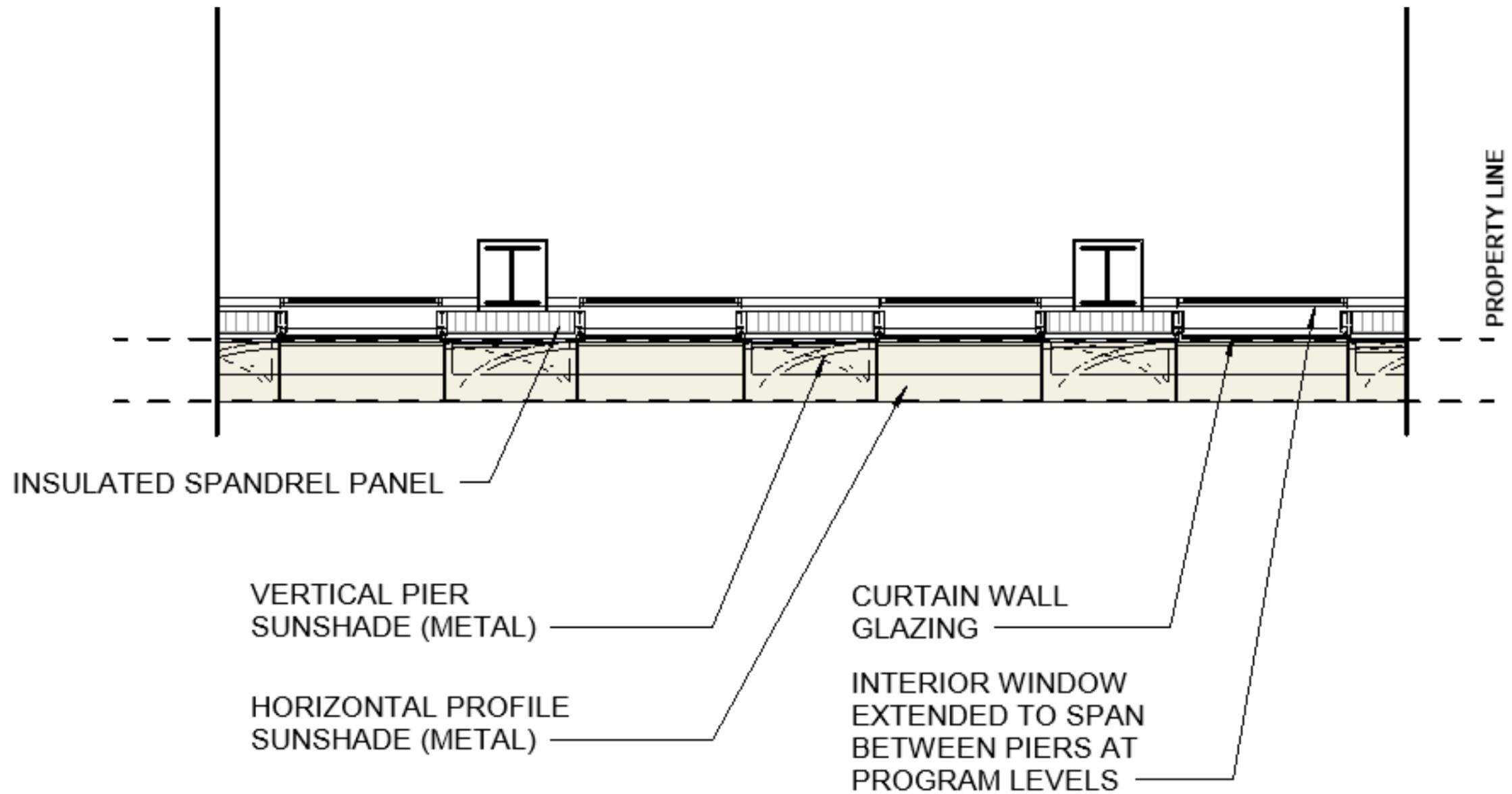
GL-01A
Spandrel Glass

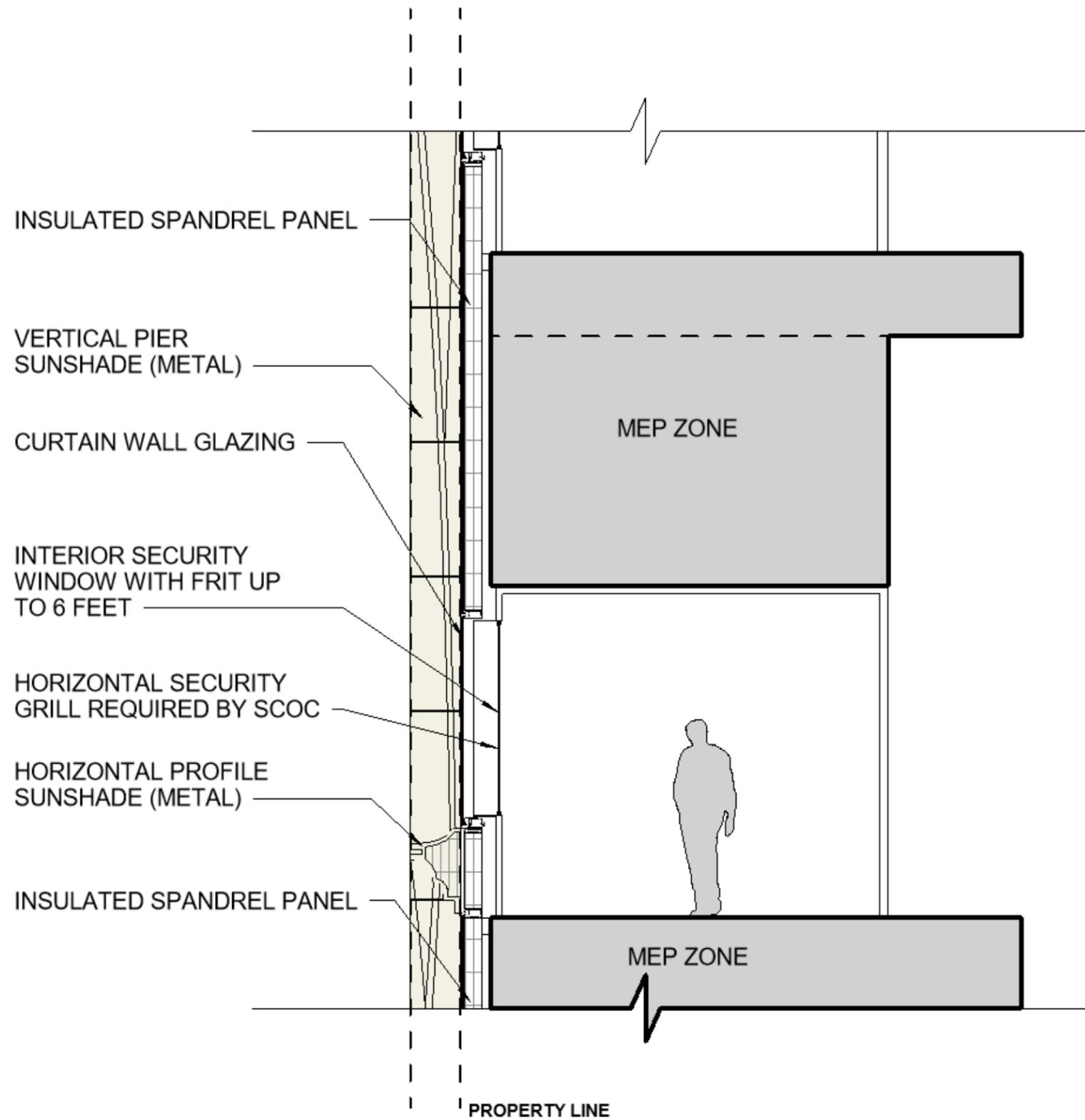


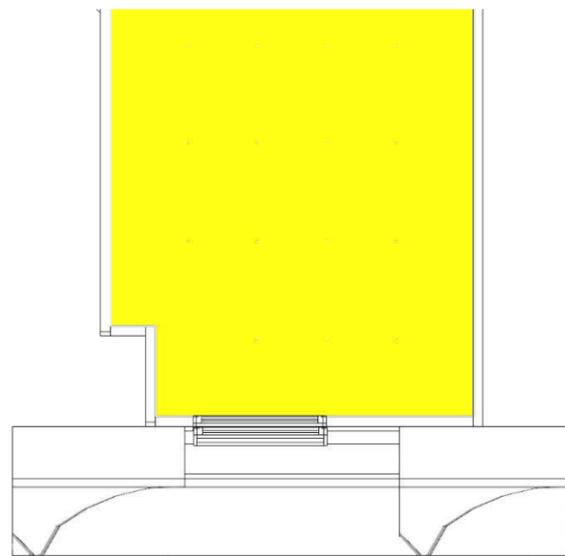
GL-01A Spandrel
Glass



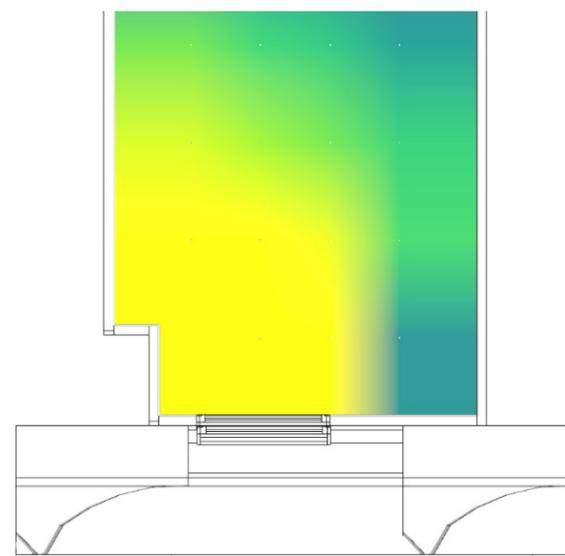




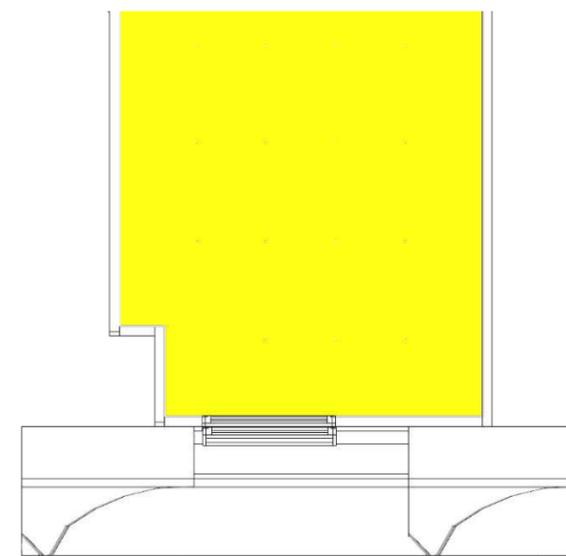




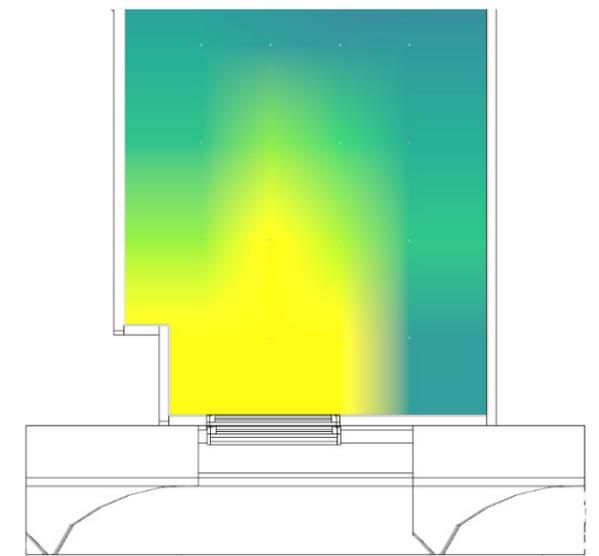
EAST



WEST



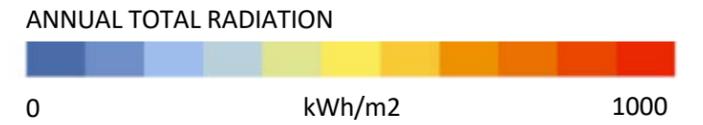
SOUTH



NORTH

Extended light level indicated represents the average daylight condition throughout the entire year.





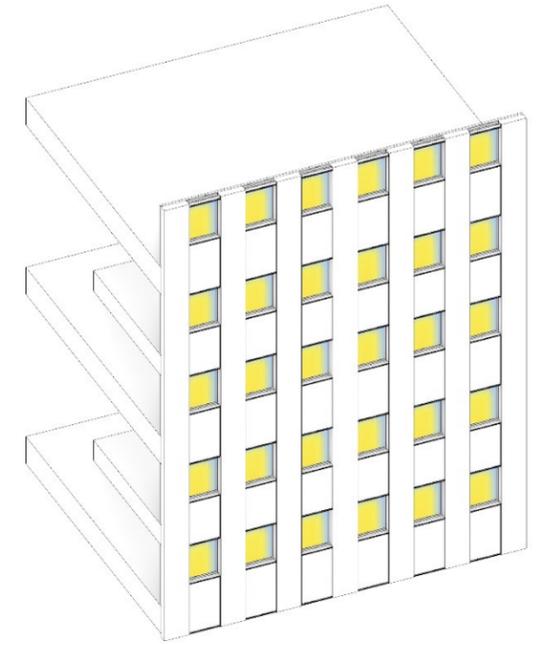
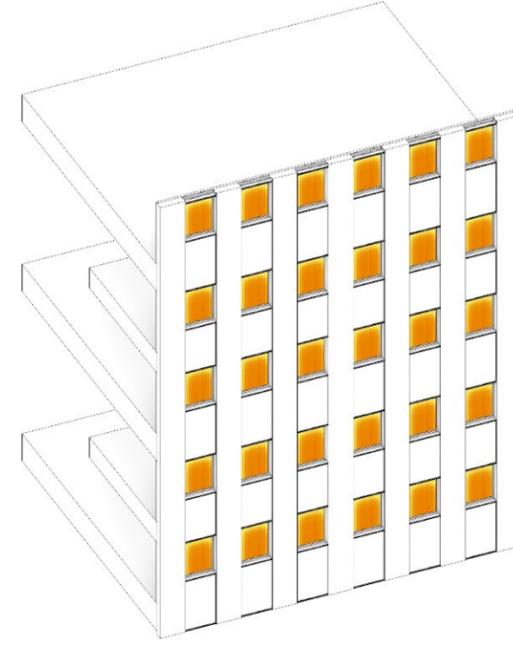
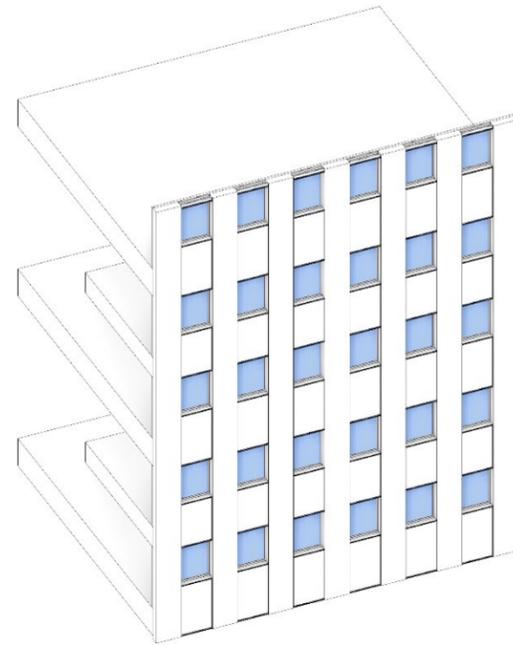
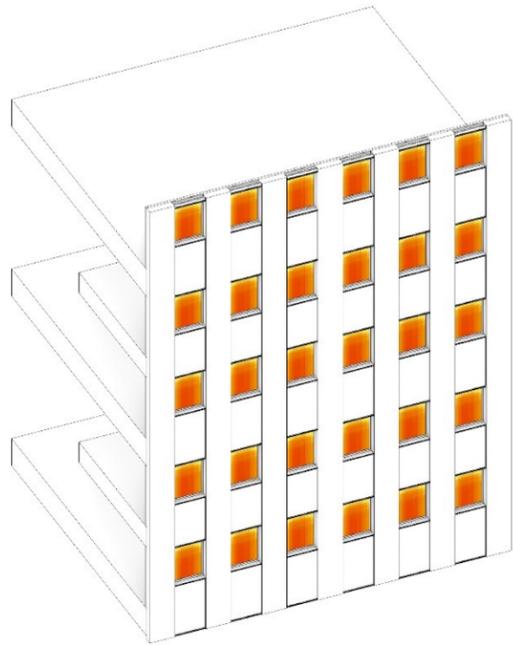
SOUTH FACADE

NORTH FACADE

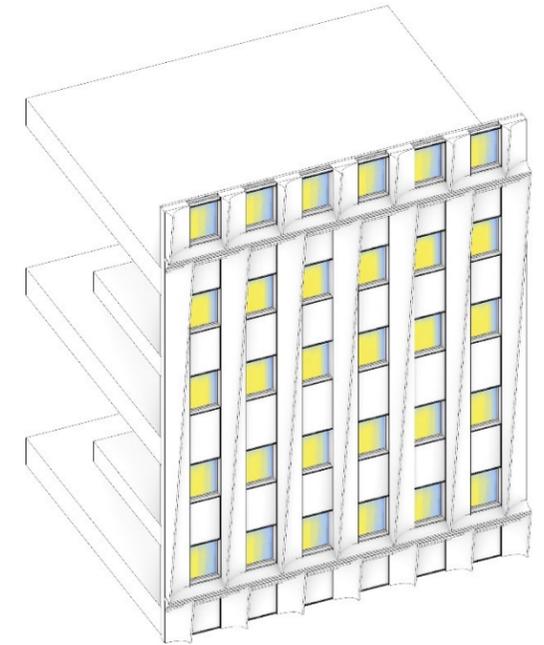
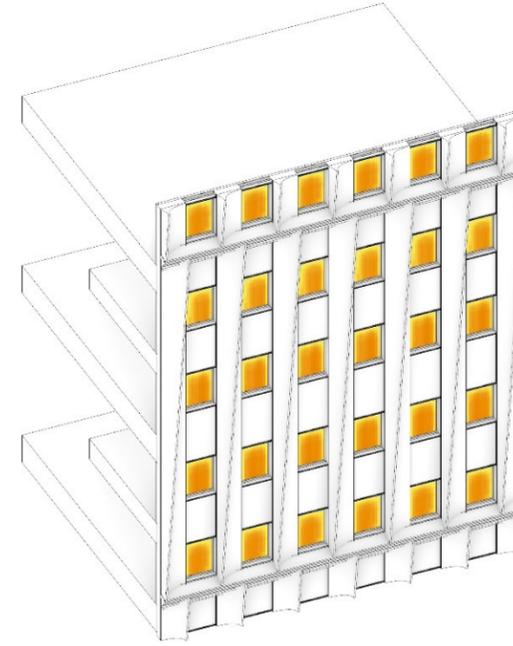
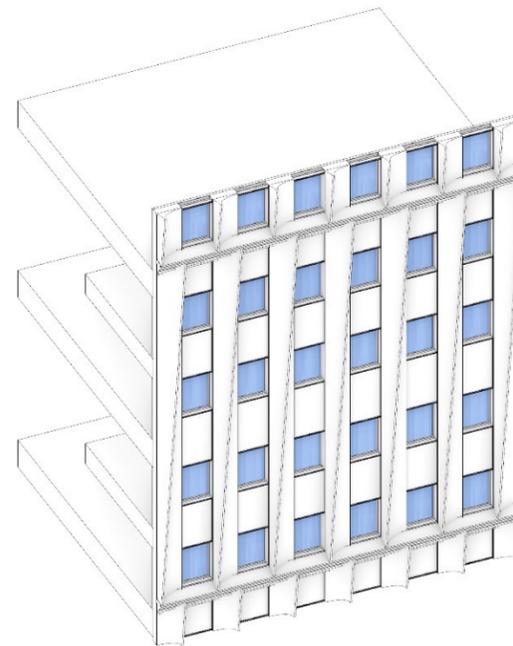
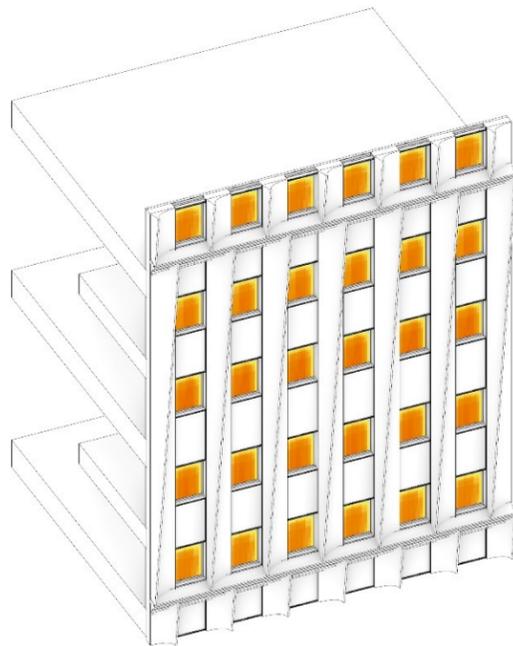
EAST FACADE

WEST FACADE

BASELINE



PROPOSED



-11% TOTAL RADIATION

-14% TOTAL RADIATION

-7% TOTAL RADIATION

-12% TOTAL RADIATION

Relocate



Housing unit from previous RFP



Typical housing unit design

Revised window size
from 18 sf to 12 sf

18 SF



Daytime view of exterior



Nighttime view of exterior

12 SF



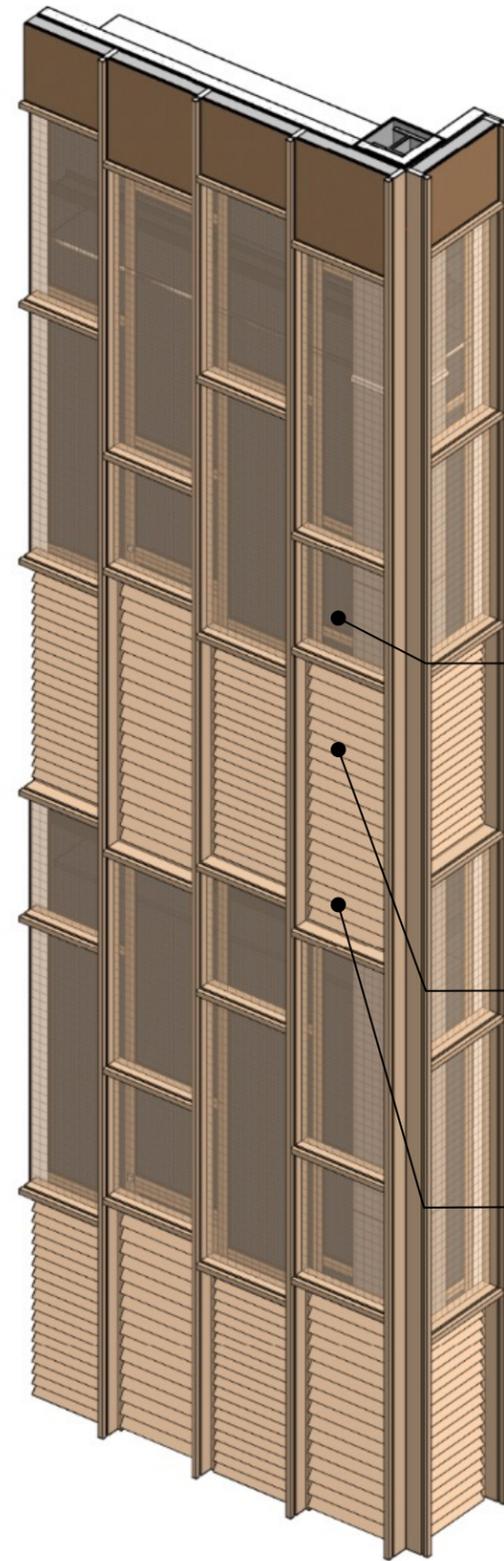
Daytime view of exterior



Nighttime view of exterior

Revised window size
from 18 sf to 12 sf

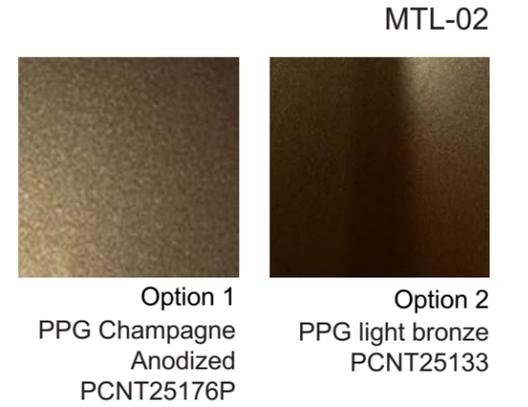


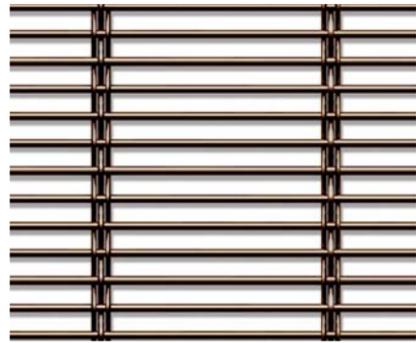


MTL-02
 Finishes Applied to DMTF-51
 (Exterior Architectural Mesh)

MTL-02
 Finishes Applied to LVR-02A
 (Fixed Horizontal Louver)

MTL-02
 Finishes Applied to LVR-02B
 (Fixed Horizontal Louver Blank-off)





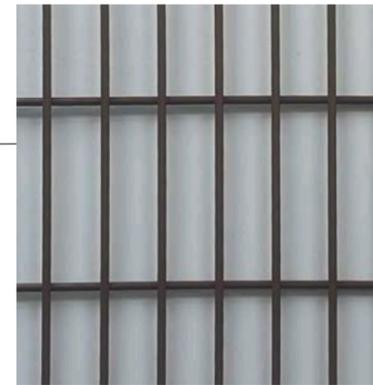
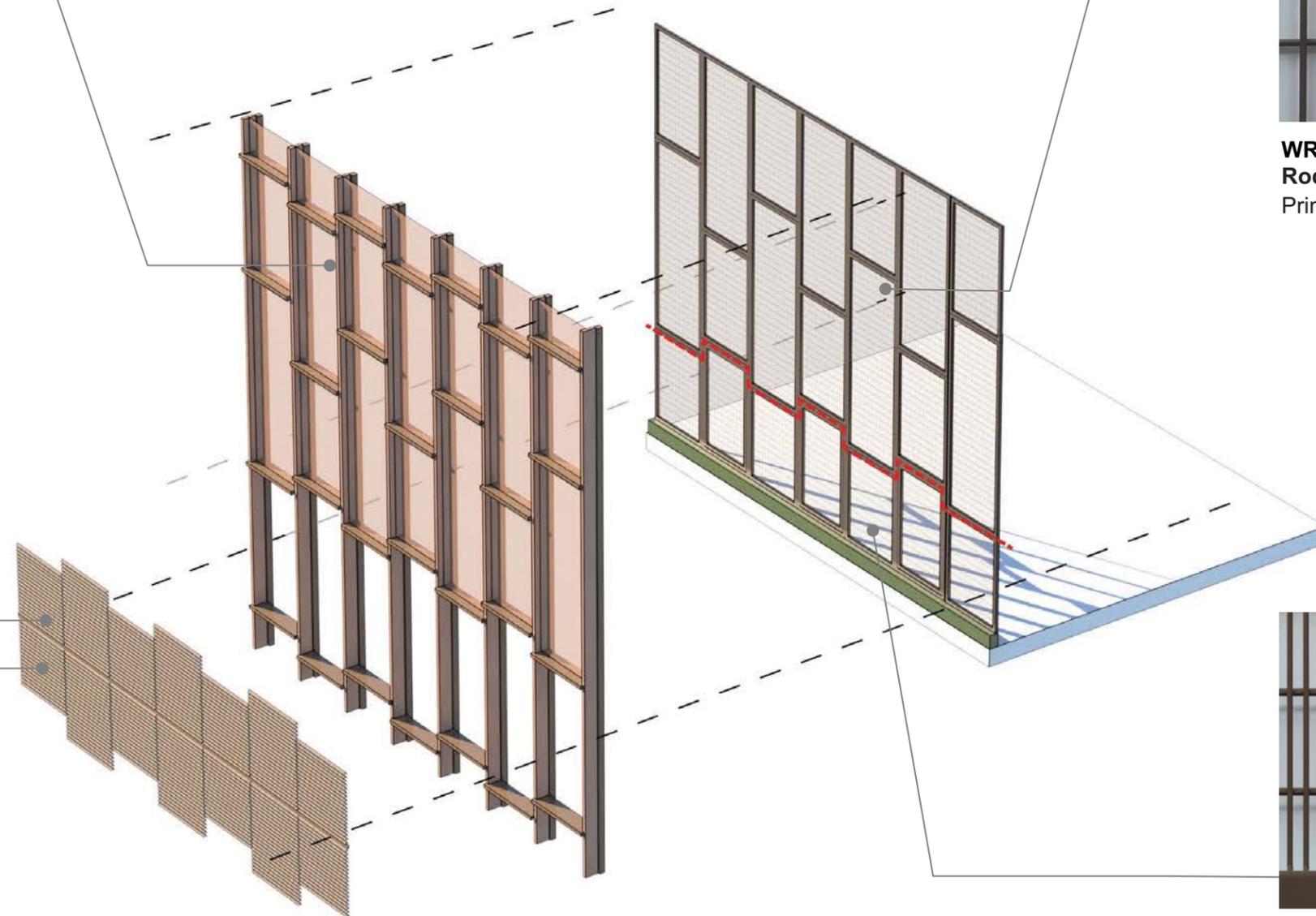
DMTF-51 Exterior Architectural Mesh
For Visual Impact & To Prevent The Transfer Of Contraband



LVR-02A Fixed Horizontal Louver
Minimize Cross Viewing And Prevent The Transfer Of Contraband



LVR-02B Fixed Horizontal Louver Blank-off
Non-see-through Screen With Similar Profile Of Architectural Screen

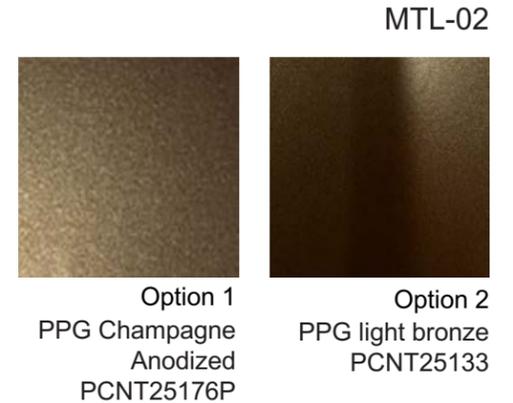
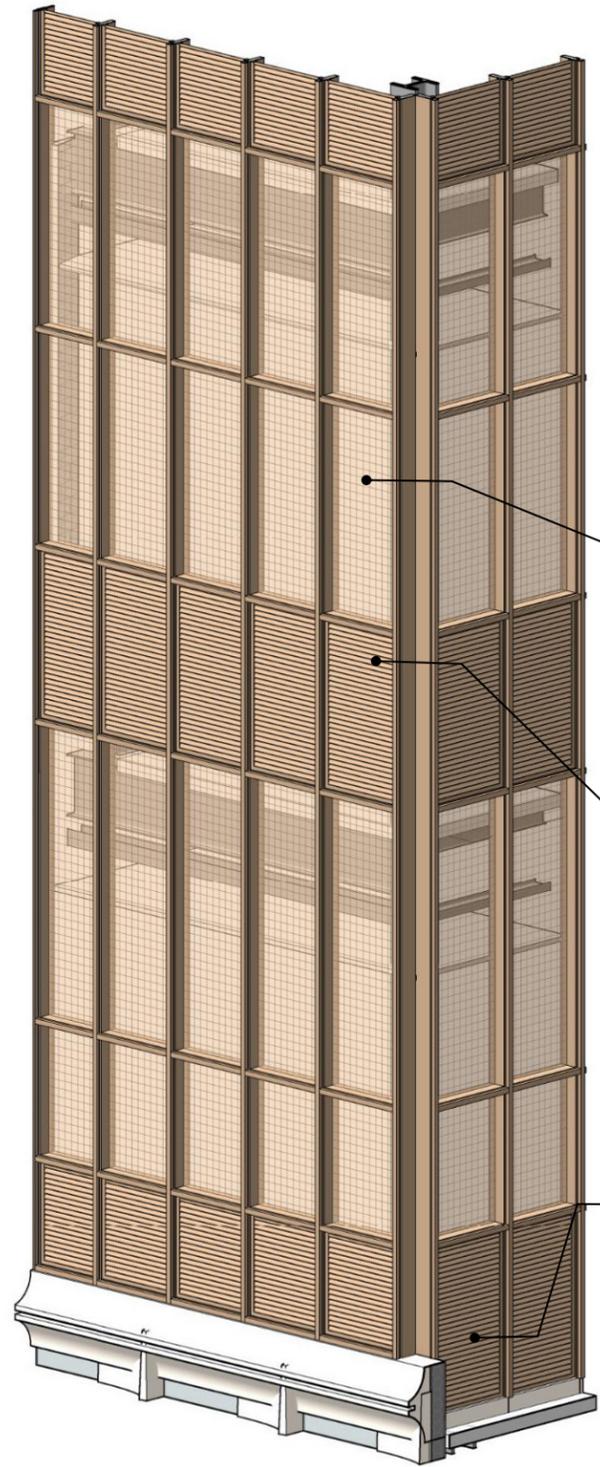


WRM-01 Security Woven Rod Mesh
Primary Secure Perimeter



WRM-01 Security Woven Rod Mesh (Anti-climb)
Primary Secure Perimeter, Anti-climb And To Prevent The Transfer Of Contraband





MTL-02
Finishes Applied to DMTF-51
(Exterior Architectural Mesh)

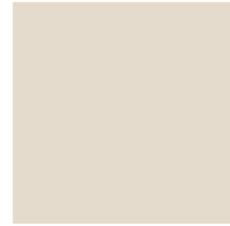
MTL-02
Finishes Applied to LVR-02A
(Fixed Horizontal Louver)

MTL-02
Finishes Applied to LVR-02B
(Fixed Horizontal Louver Blank-off)





MTL-01



Option1
PPG White Duck
UC136518



Option2
PPG Natural
Wicker UC105747

MTL-06



Option1
PPG Duranar
Birchmount Gray
UC128701



Option 2
PPG Duranar
Graphite Gray
UC115095XL

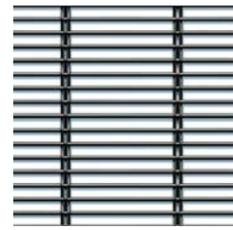
MTL-01
Finishes Applied to
Vertical Member

MTL-01
Finishes Applied to
Horizontal Member

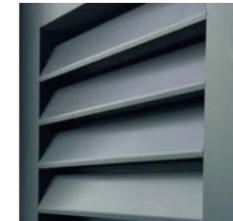
MTL-06
Finishes Applied to DMTF-51
(Exterior Architectural Mesh)

MTL-06
Finishes Applied to LVR-02A
(Fixed Horizontal Louver)

MTL-06
Finishes Applied to LVR-02B
(Fixed Horizontal Louver Blank-off)



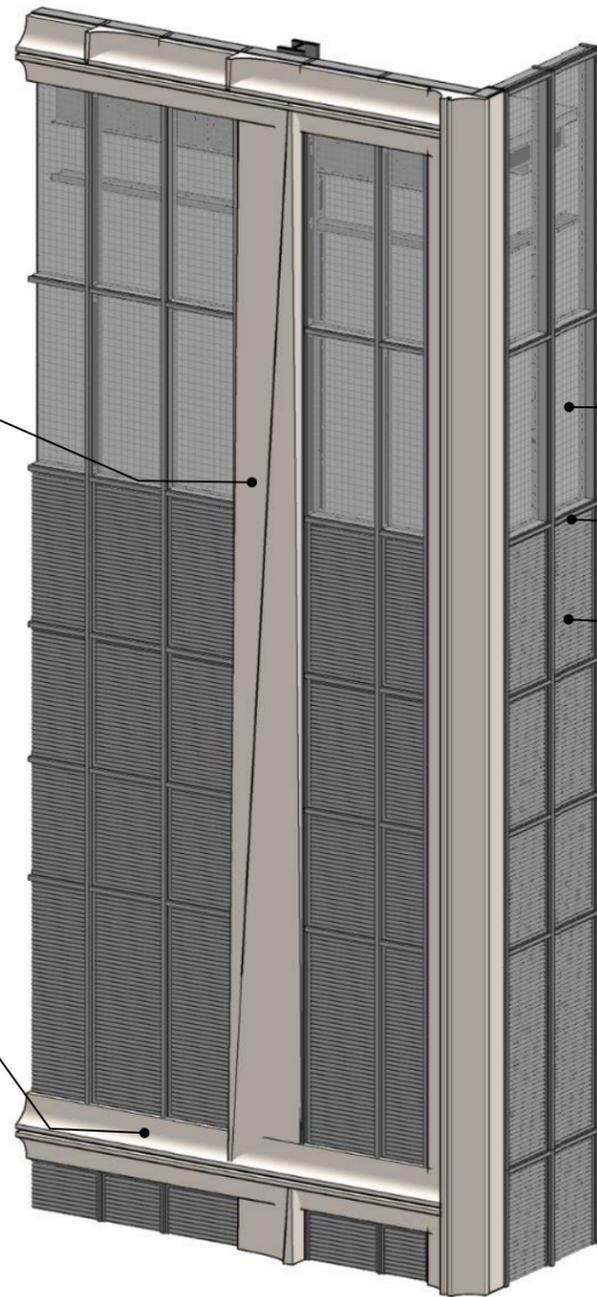
DMTF-51 Exterior
Architectural Mesh

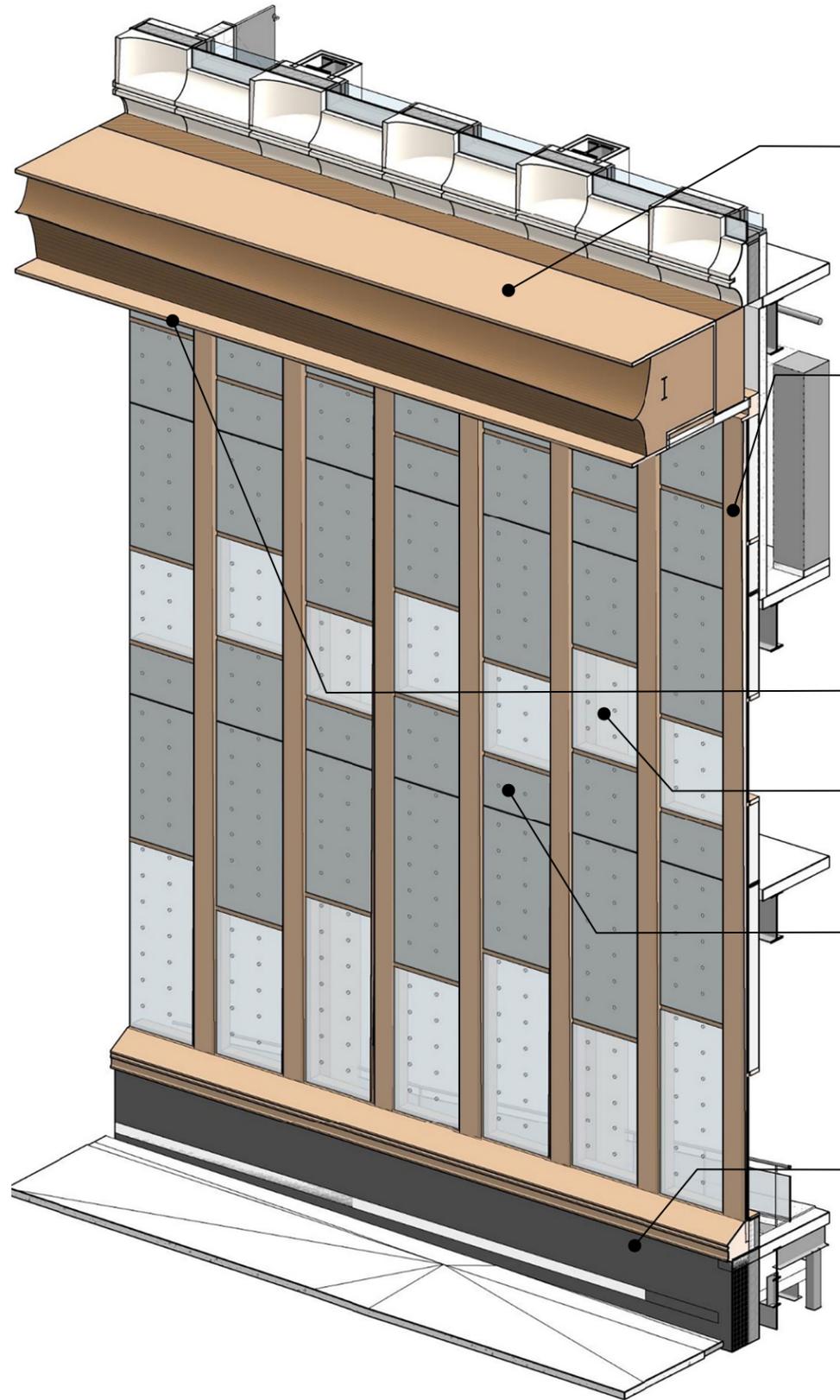


LVR-02A
Fixed Horizontal
Louver



LVR-02B
Fixed Horizontal
Louver
Blank-off





MTL-02
Finishes Applied to
Canopy

MTL-02
Finishes Applied to
Mullions

MTL-05
Finishes Applied to
Canopy Soffit

GL-01
Vision Glass

GL-01A
Spandrel Glass

ST-01
Black Granite

MTL-02



Option 1
PPG Champagne
Anodized
PCNT25176P



Option 2
PPG light bronze
PCNT25133

MTL-05



Chestnut



Savannah Oak



GL-01
Vision Glass

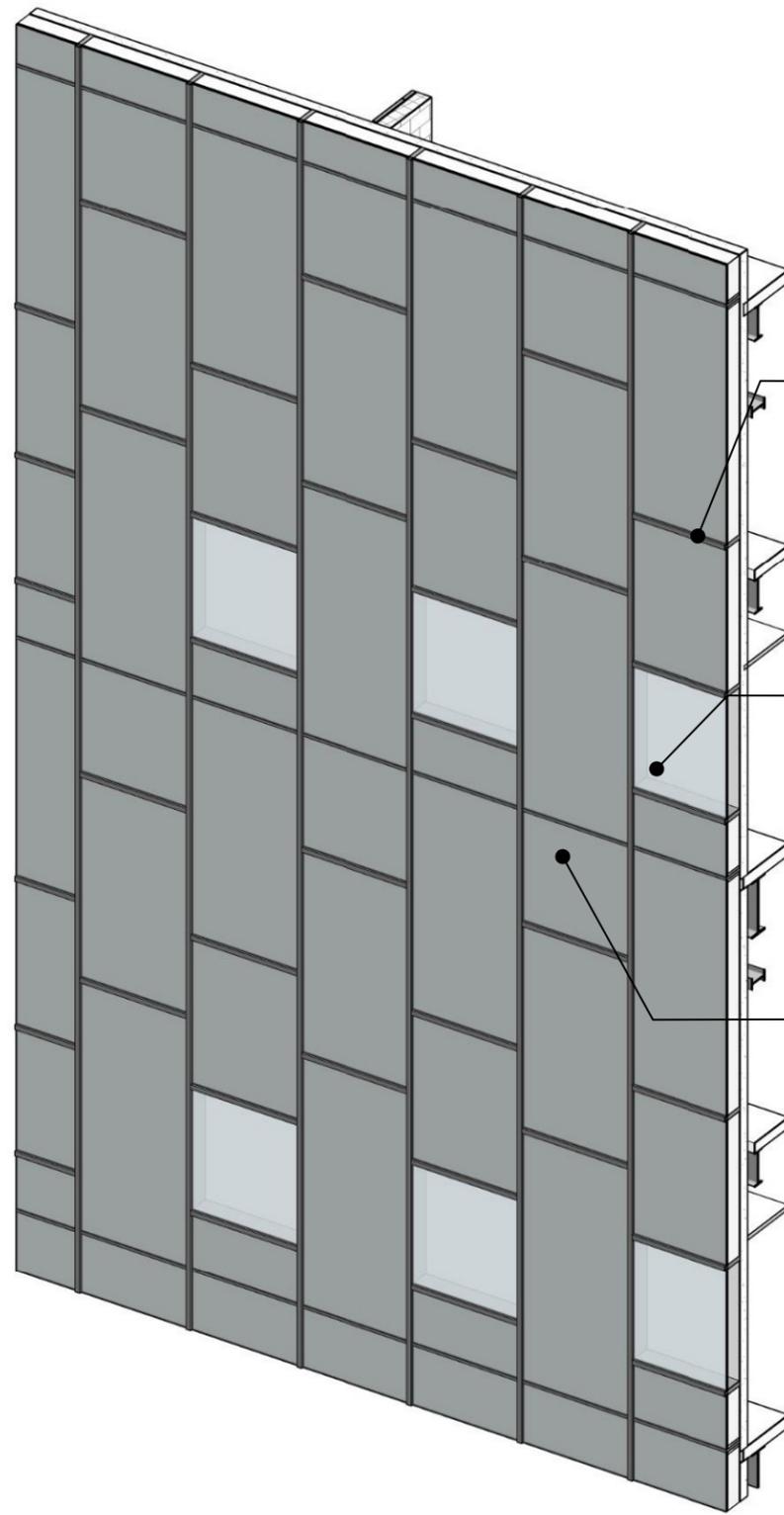


GL-01A
Spandrel Glass



American Mist





MTL-04
Finishes Applied to
Mullion

MTL-04

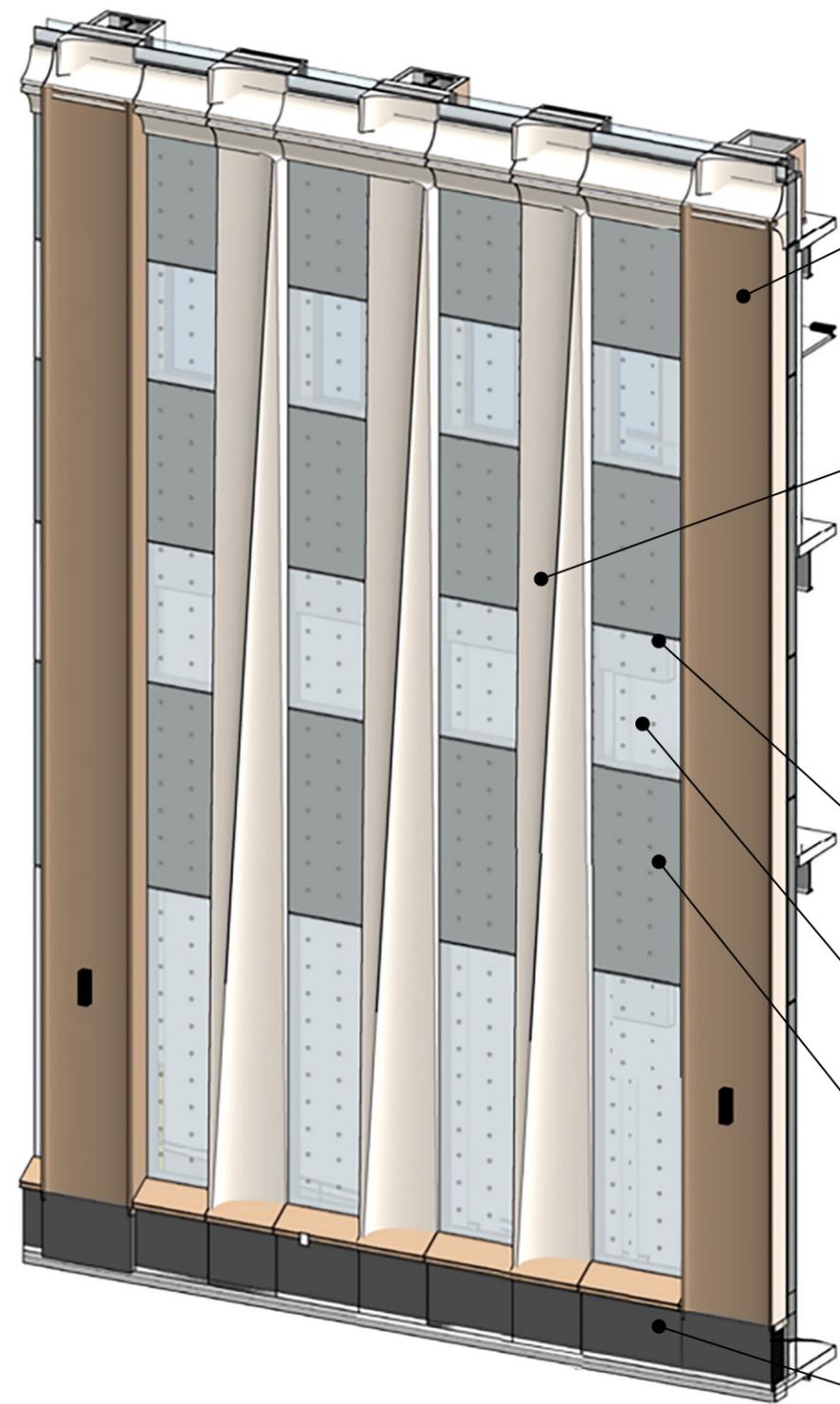
 <p>Option 1 PPG Silver Gray UC50958 XL</p>	 <p>Option 2 PPG Pewter UC51713XL</p>
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GL-01
Vision Glass



GL-01A
Spandrel Glass





MTL-02
 Finishes Applied to
 Vertical Member

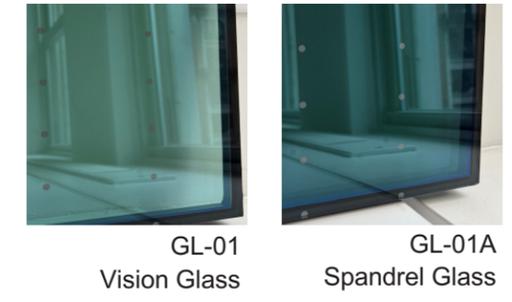
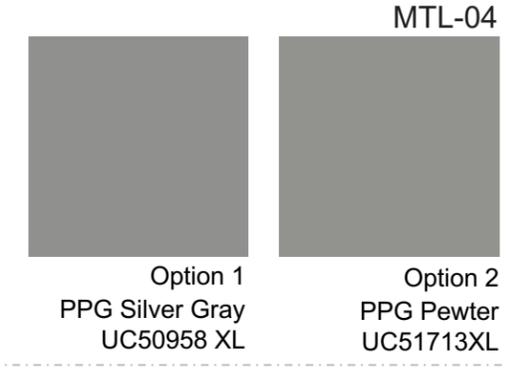
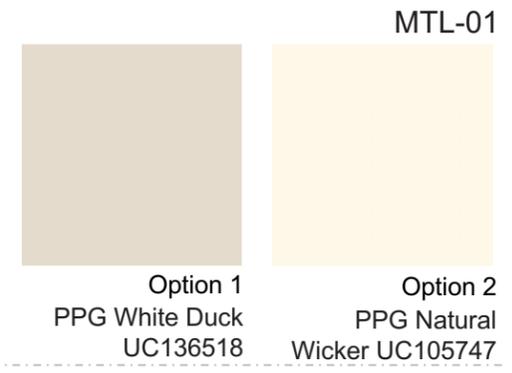
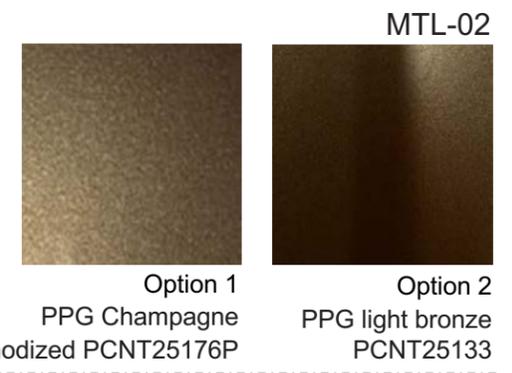
MTL-01
 Finishes Applied to
 Vertical Member

MTL-04
 Finishes Applied to
 Mullion

GL-01
 Vision Glass

GL-01A
 Spandrel Glass

ST-01
 Black Granite





MTL-01 OPTION 1
EXTERIOR METAL
FINISH, COLOR
OPTION: PPG
WHITE DUCK
UC136518



MTL-01 OPTION 2
EXTERIOR METAL
FINISH, COLOR
OPTION: PPG
NATURAL WICKER
UC105747



MTL-02 OPTION 1
EXTERIOR METAL
FINISH, COLOR
OPTION: PPG
CHAMPAGNE
ANODIZED
PCNT25176P



MTL-02 OPTION 2
EXTERIOR METAL
FINISH, COLOR
OPTION: PPG
LIGHT BRONZE
PCNT25133



MTL-03 OPTION 1
EXTERIOR METAL
FINISH, COLOR
OPTION:
RAL 8008



MTL-03 OPTION 2
EXTERIOR METAL
FINISH, COLOR
OPTION:
RAL 8014



MTL-04 OPTION 1
EXTERIOR
METAL FINISH,
COLOR
OPTION: PPG
SILVER GRAY
UC50958XL

MTL-04 OPTION 2
EXTERIOR
METAL FINISH,
COLOR OPTION:
PPG PEWTER
UC51713XL

MTL-05
EXTERIOR
WOOD-LOOK
METAL FINISH

MTL-06 OPTION 1
EXTERIOR
METAL FINISH,
COLOR
OPTION: PPG
BIRCHMOUNT
GRAY UC128701

MTL-06 OPTION 2
EXTERIOR METAL
FINISH, COLOR
OPTION: PPG
GRAPHITE GRAY
UC115095XL



WRM-01:
EXTERIOR
SECURITY
MESH(UPPER)



WRM-01:
EXTERIOR
SECURITY MESH
(LOWER)



DMTF-51:
EXTERIOR
ARCHITECTURAL
MESH WITH
MTL-02 FINISH



ST-01
AMERICAN MIST
GRANITE



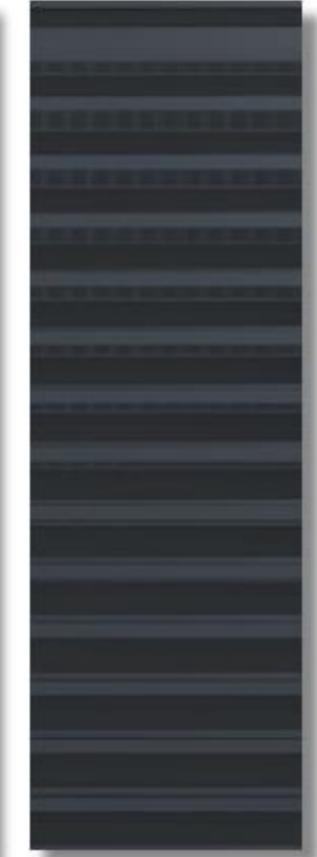
LVR-01:
STORM
RESISTANT
LOUVERS
(VERTICAL) AT
PENTHOUSE
WITH MTL-06
FINISH



LVR-02:
FIXED
HORIZONTAL
LOUVERS AT
OUTDOOR
RECREATION
YARDS WITH
MTL-02 FINISH



LVR-02:
FIXED
HORIZONTAL
LOUVERS AT
OUTDOOR
RECREATION
YARDS WITH
MTL-02 FINISH



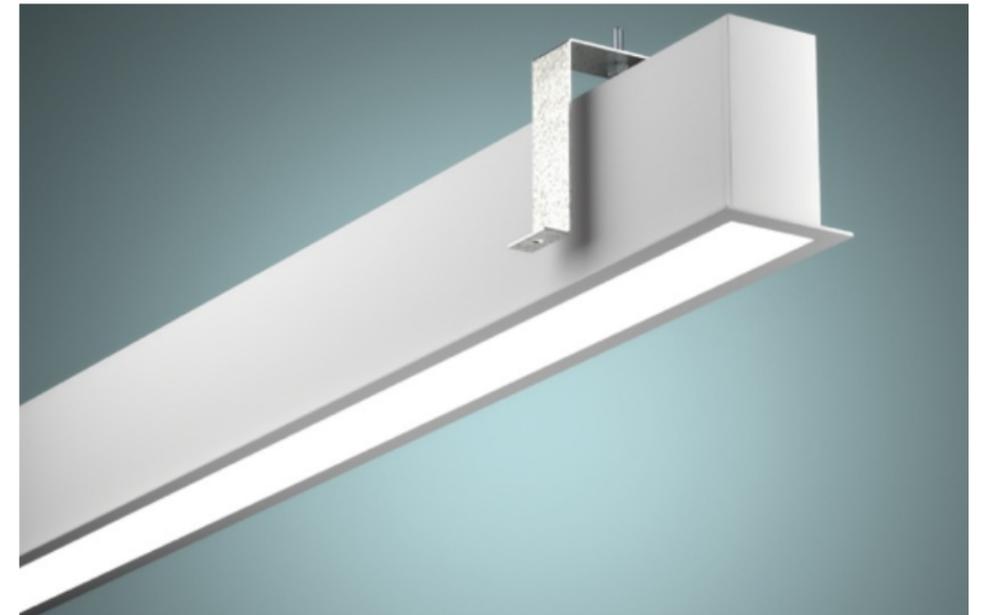
LVR-03
STORM
RESISTANT
LOUVERS
(HORIZONTAL)
WITH MTL-06
FINISH



Lighting in planter area



Wall-mounted lighting



Ceiling-mounted lighting

**MATERIAL STUDIES TO COMPARE
WITH EXISTING CIVIC BUILDING
FINISHES WITH PROPOSED
MATERIAL FINISHES**



COURTHOUSE

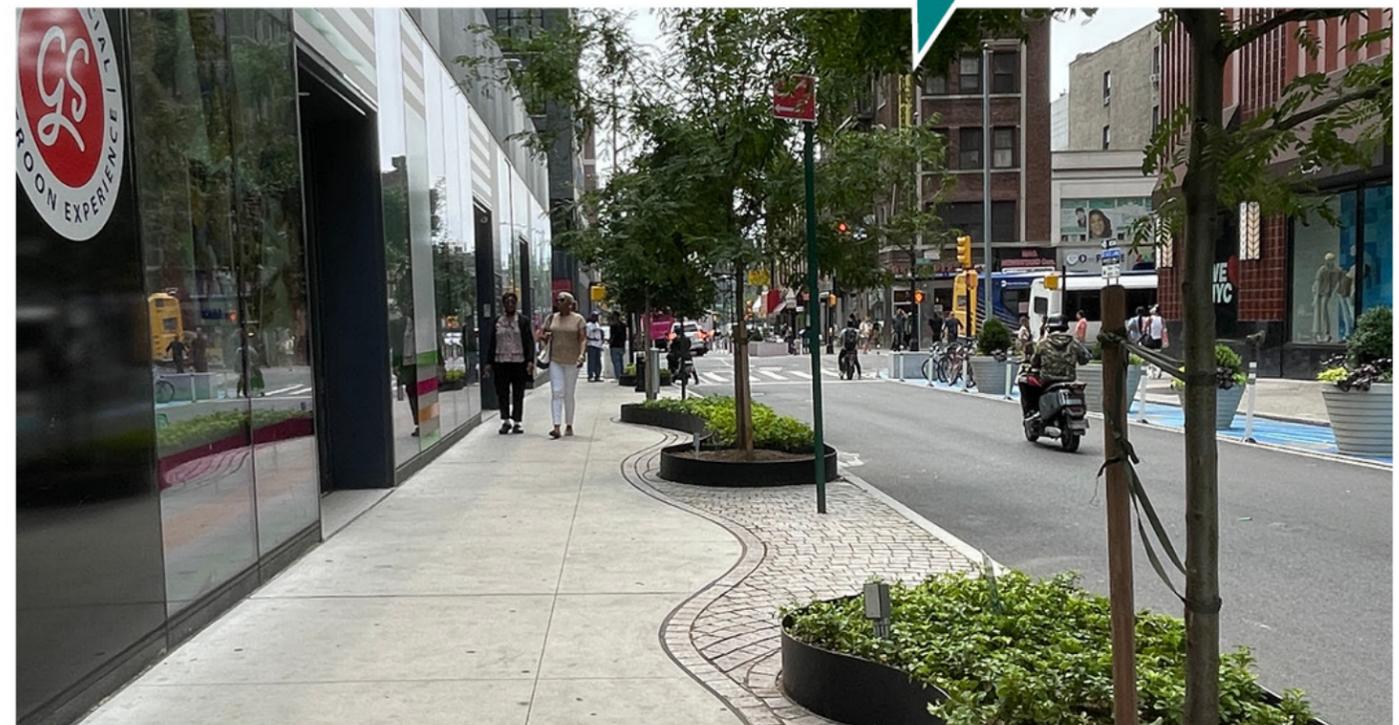


CLOSE UP VIEW OF COURTHOUSE FAÇADE/MATERIALS

We're exploring how to create a continuous urban public realm experience by embracing the Downtown Brooklyn street tree bed and landscape design

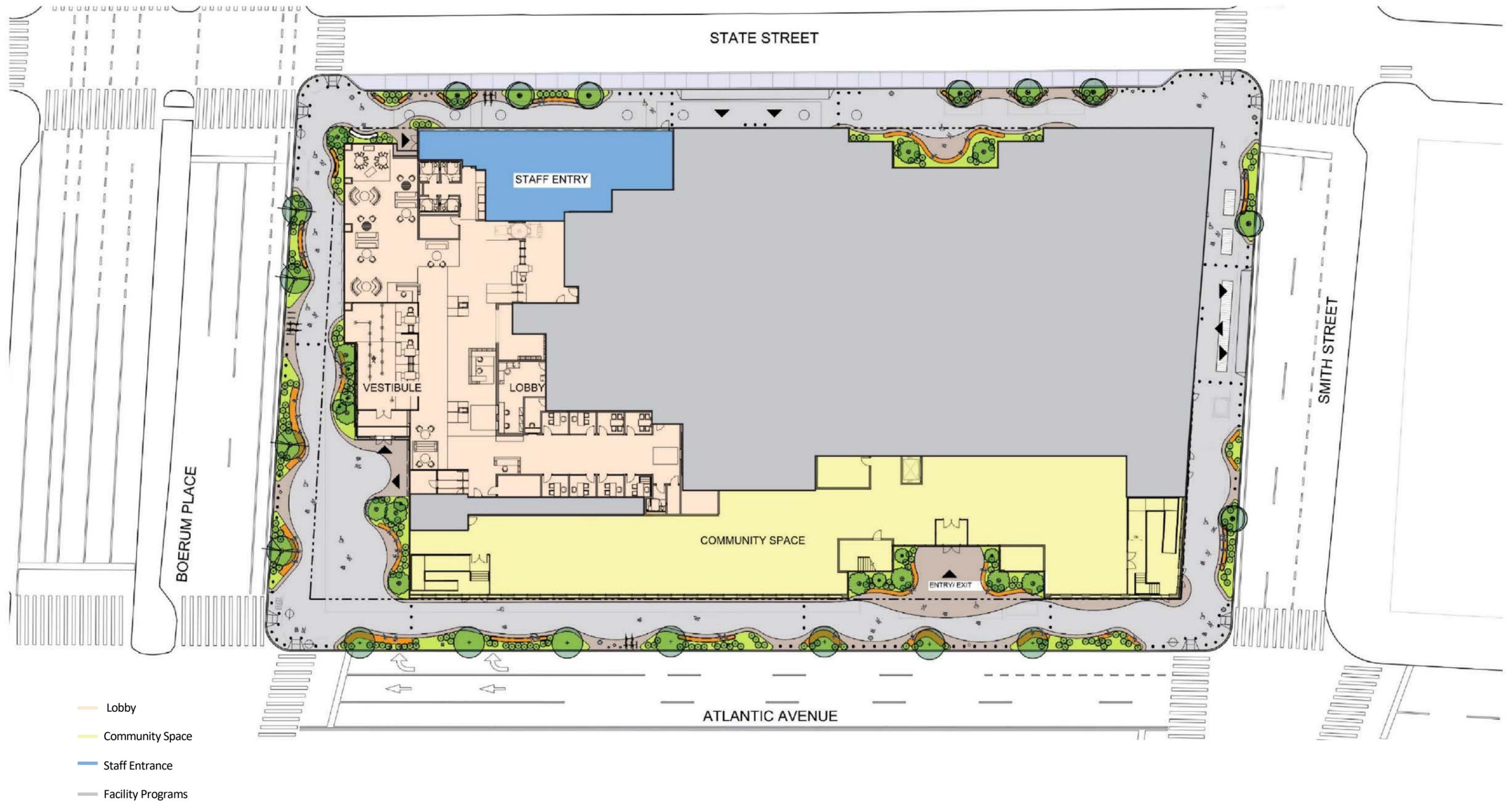


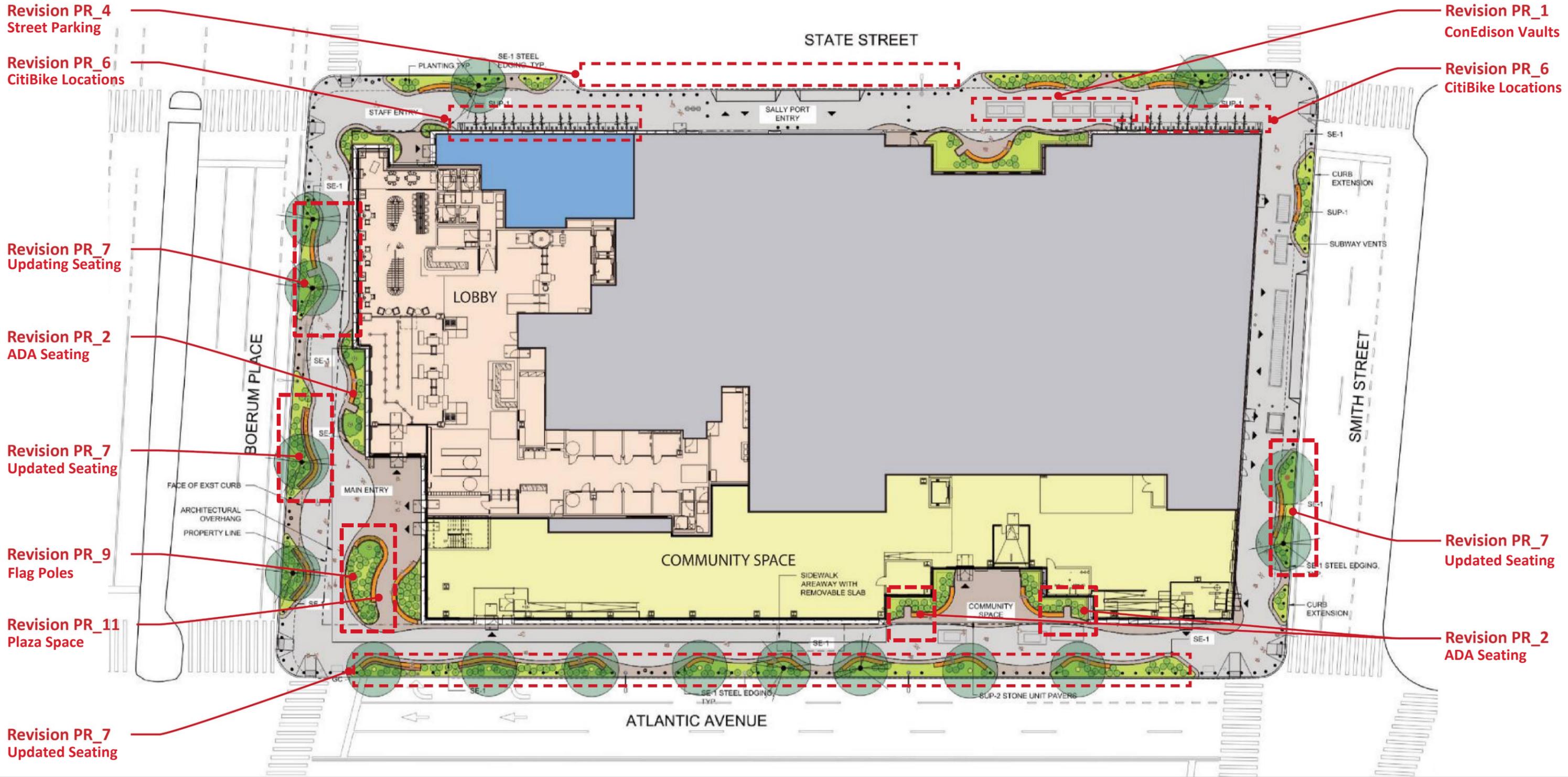
Fulton Street



Hoyt Street

Images for reference only.



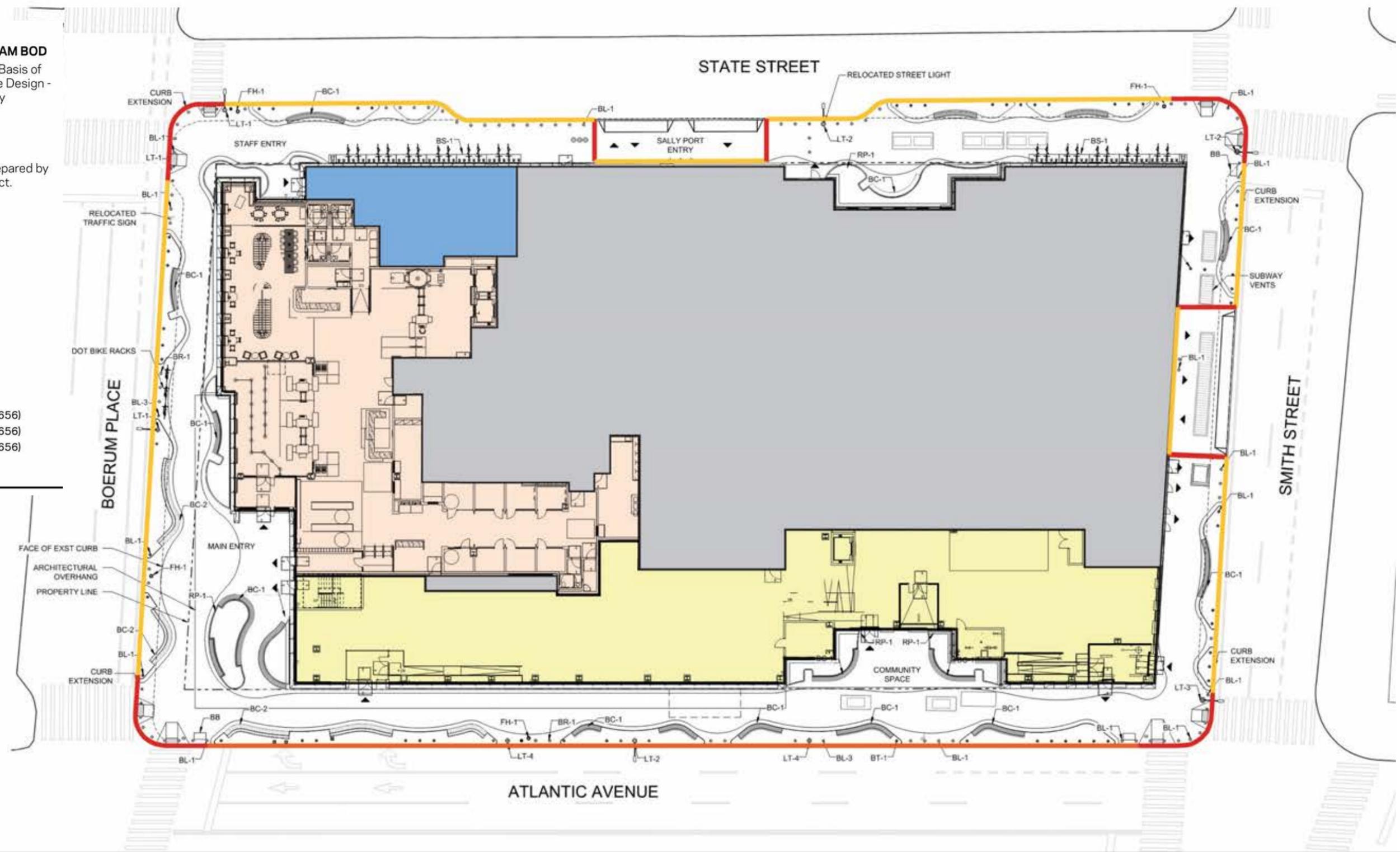


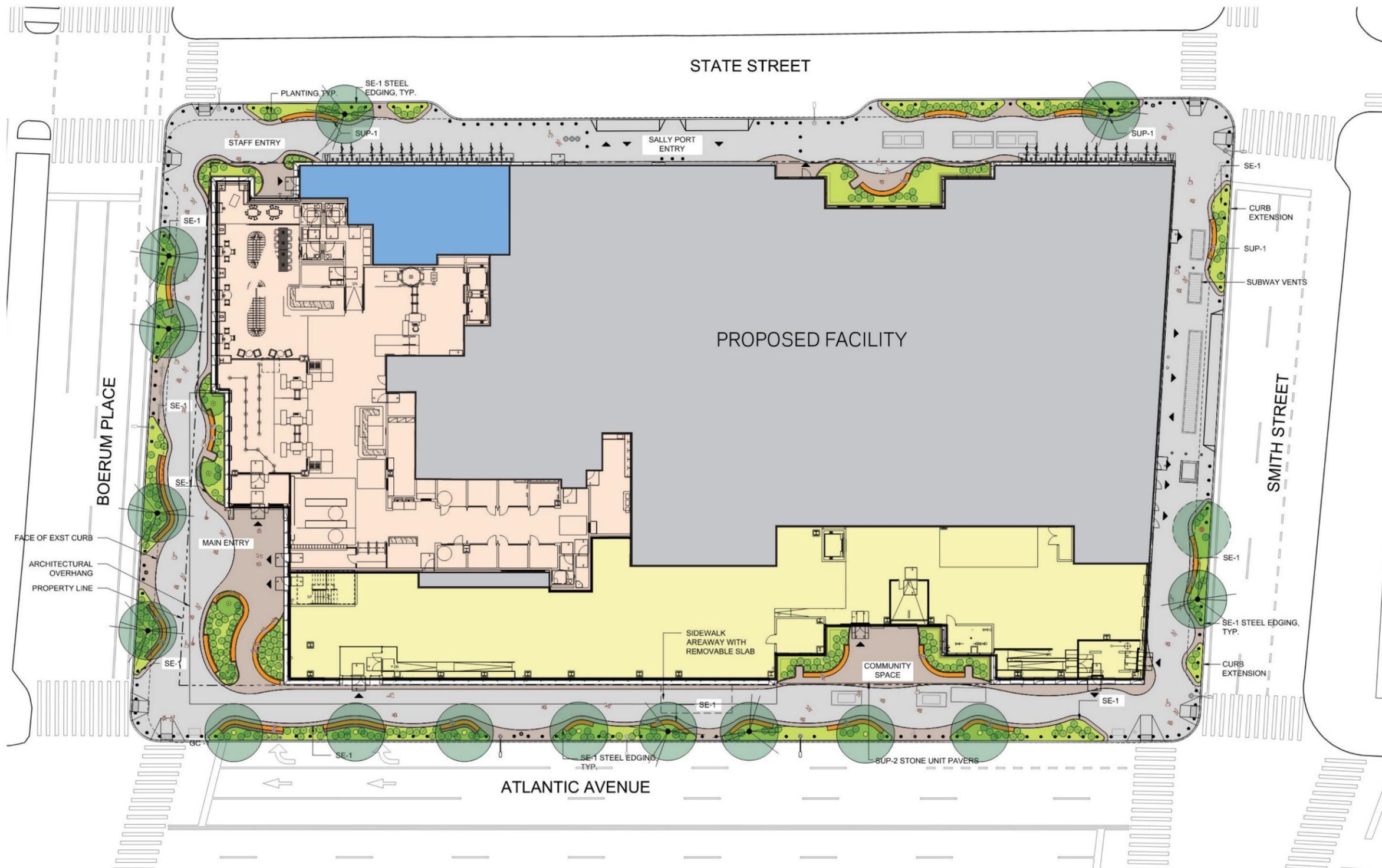
BASED ON NYC BBJ PROGRAM BOD
 NYC BBJ Program Volume 4 Basis of Design, Part 1 and 2 Protective Design - Site Perimeter Security

REFERENCES
 Design Basis Threat report prepared by NYPD for the BBJ project.

LEGEND

- PU30 (ASTM F2656)
- PU40 (ASTM F2656)
- PU50 (ASTM F2656)

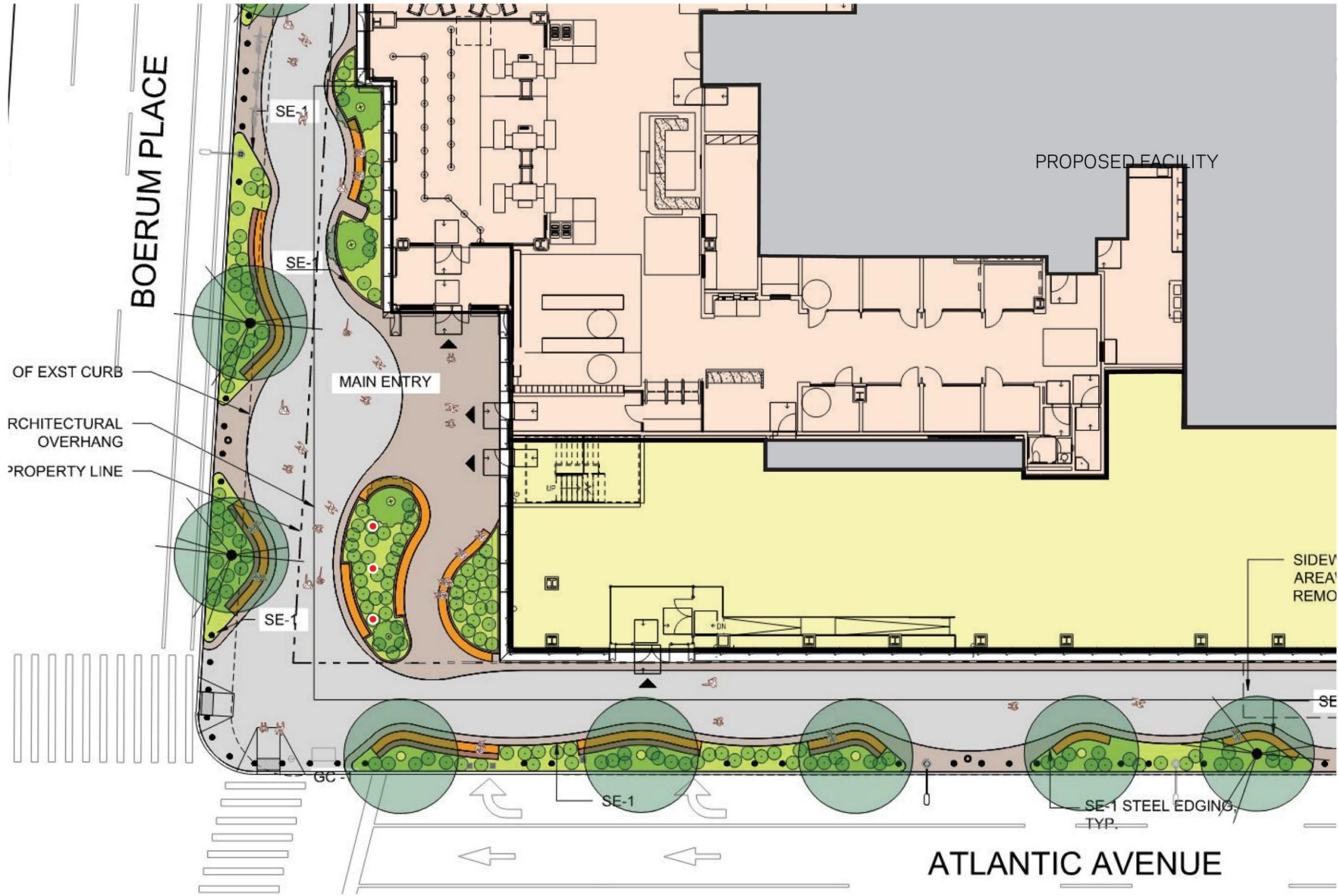




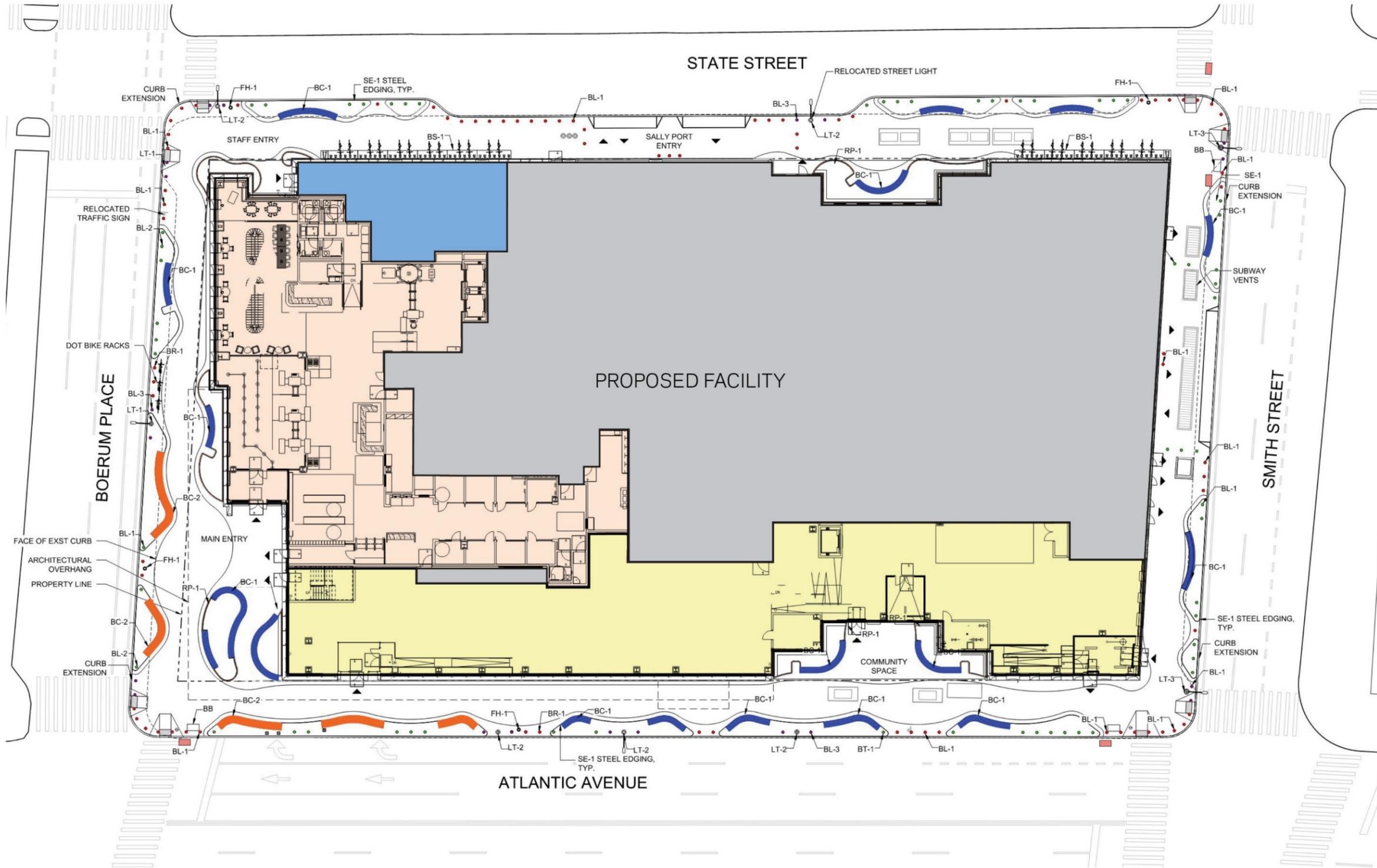
LEGEND

- Granite Unit Paver
- DOT Standard Concrete
- Planting Area





- LEGEND**
- Granite Unit Paver
 - DOT Standard Concrete
 - Planting Area



LEGEND

- BL-1, Shallow Rooting Crash-Rated Bollard
- BL-2, Deep Footing Crash-Rated Bollard
- BL-3, Removable Crash-Rated Bollard
- ⤿ BC-1, Wood Slat Bench
- ⤿ BC-2, Crash-Rated Cip Seatwall
- v v v v BS-1, Bike Share Station
- Big Belly Recepticles
- SE-1, Steel Edging
- PW-1, Planting Wall



BIG BELLY RECEPTICLE



BIKE SHARING STATION



CRASH-RATED BOLLARDS
Ameristar, Stainless Steel



WOOD SLAT BENCHES
FSC® Hardwood II, Cumaru Wood
Hardware: Powdercoated Steel
Color: Umbra Gray



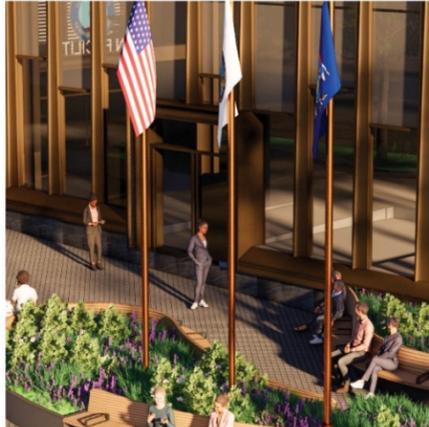
CONCRETE SEATWALL
Cast-in-place Concrete w/ Wood Slat
Seats



TREE PIT EDGING
Planterworx, Corten Steel
Color: Weathered Corten



CONCRETE RAISED PLANTERS
Cast-in-place Concrete w/ Wood Slat
Seats



FLAGPOLES
Commercial Grade Anodized Aluminum
Bronze Finish



Bollard
Cover



Wood
Slats



Hardware
Connections



Armrests
and Legs



Pigmented
Concrete



Armrests
and Legs



Wood
Slats



Weathered
Corten



Granite
Blocks



Pigmented
Concrete



Armrests
and Legs



Wood
Slats



Bronze
Anodized



**L-1, FLATBUSH AVENUE
POLE**
Boerum Place



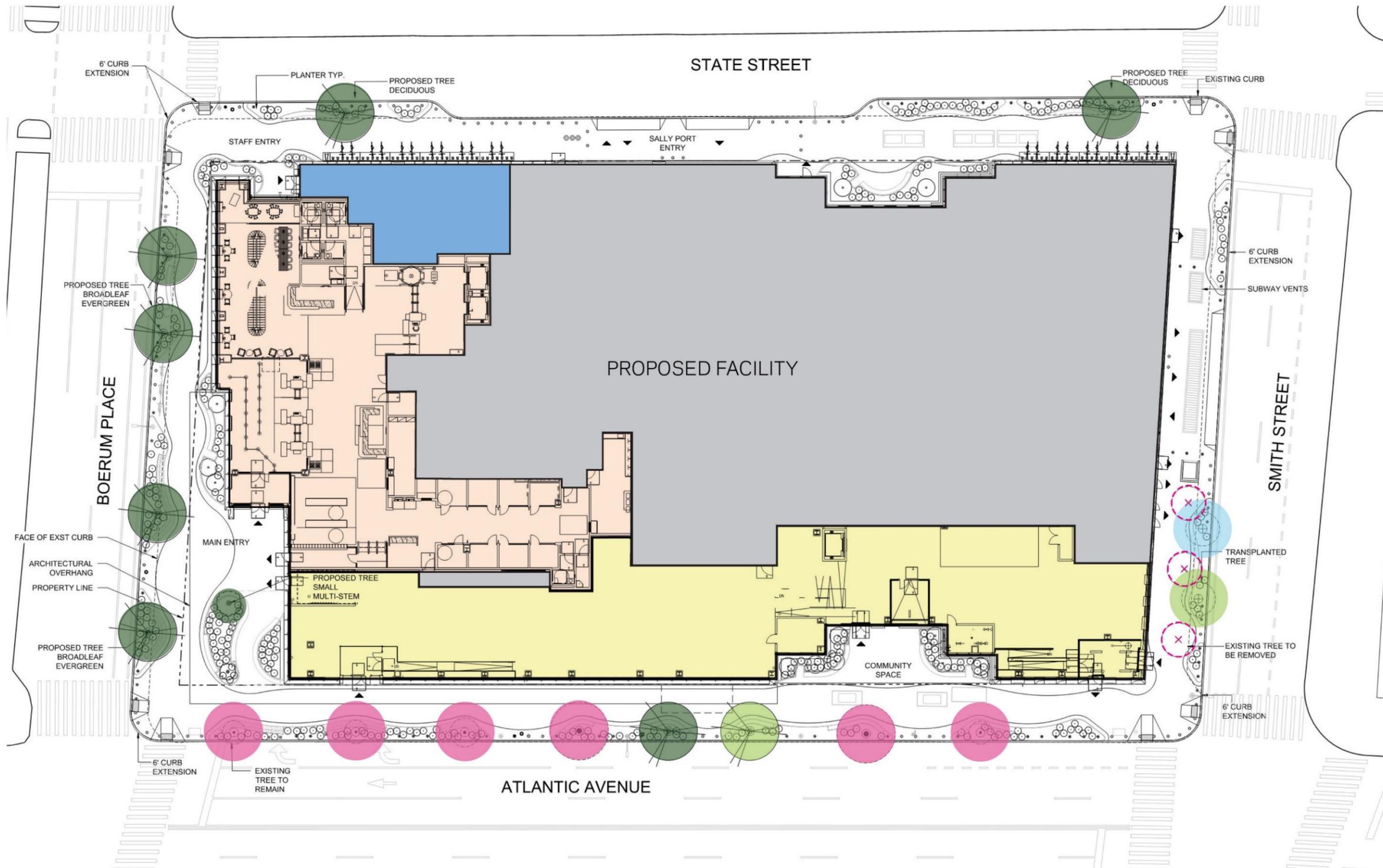
L-2, OCTAGONAL POLE
State Street and
Atlantic Avenue



L-3, BISHOP CROOK POLE
Smith Street



**L-4, SELUX PEDESTRIAN
POLE**
Atlantic Street



LEGEND

-  Existing Tree to be Transplanted
-  Existing Tree
-  Transplanted Tree
-  Proposed Tree
-  Trees to Replace



ATLANTIC AVENUE :



American Elm London Planetree London Planetree Japanese Zelkova Honey Locust

Existing Trees to Remain Transplanted Proposed Trees

STATE STREET:



Magnolia x Soulagean Japanese Zelkova

Proposed Trees

BOERUM PLACE + PLAZA:



Magnolia x Soulagean Japanese Zelkova Ginkgo Biloba Nyssa Sylvatica Amelanchier Canadensis

Proposed Trees

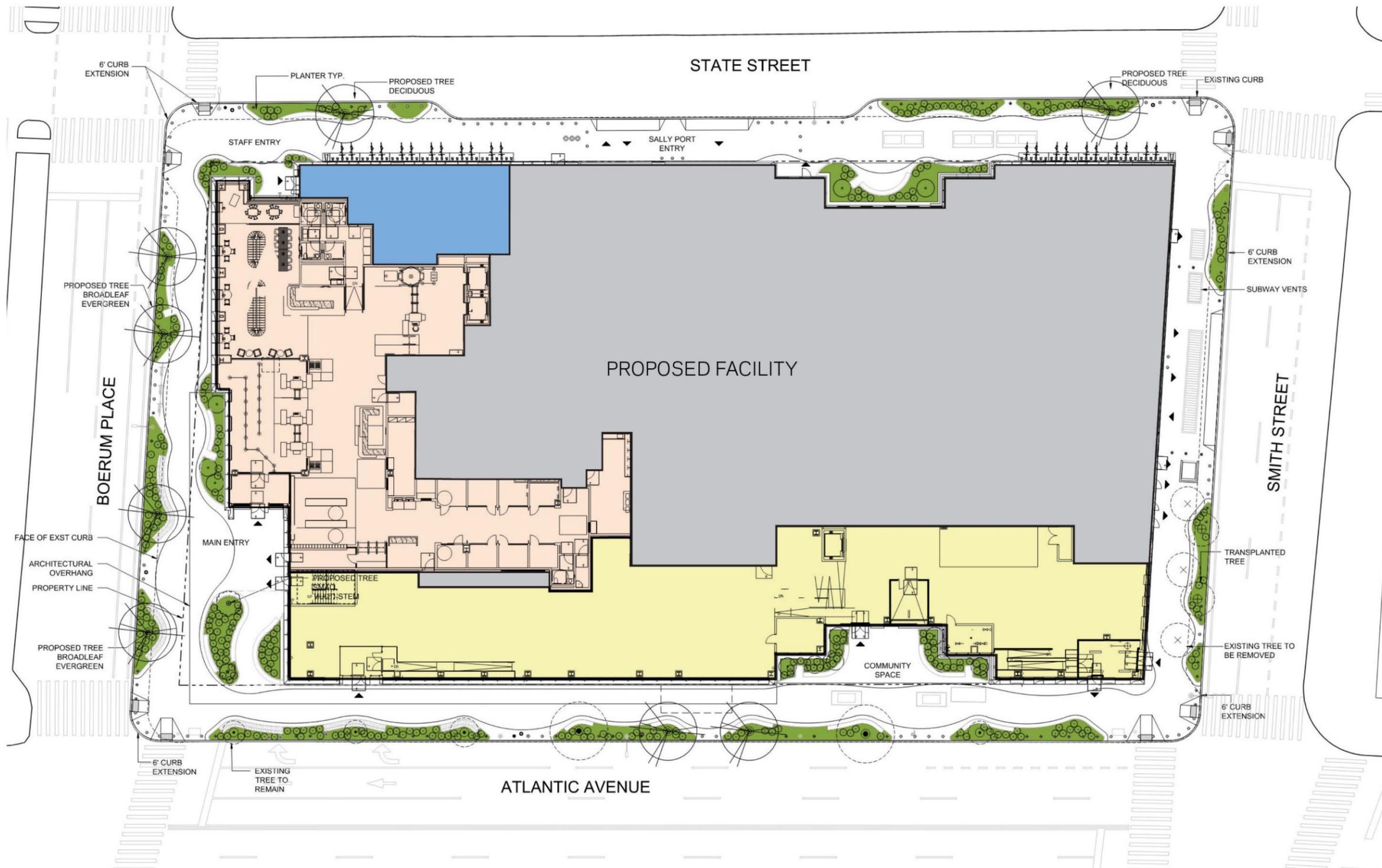
SMITH STREET:



Japanese Zelkova Honey Locust

Transplanted Trees to Replace





LEGEND

 Site Planting

SHRUB



CORNUS SERICEA BAILEYI
RED TWIG DOGWOOD



ILEX VERTICILLATA
WINTERBERRY



HYDRANGEA QUERCIFOLIA
OAKLEAF HYDRANGEA



CLETHRA ALNIFOLIA
SWEET PEPPERBUSH



ILEX GLABRA COMPACTA
INKBERRY

GROUNDCOVER



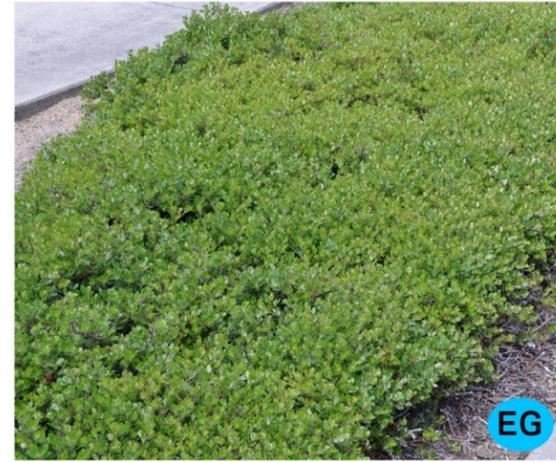
CLETHRA ALNIFOLIA
CREEPING JUNIPER



CAREX PENNSYLVANICA
PENNSYLVANIA SEDGE



AJUGA REPTANS
BUGLEWEED



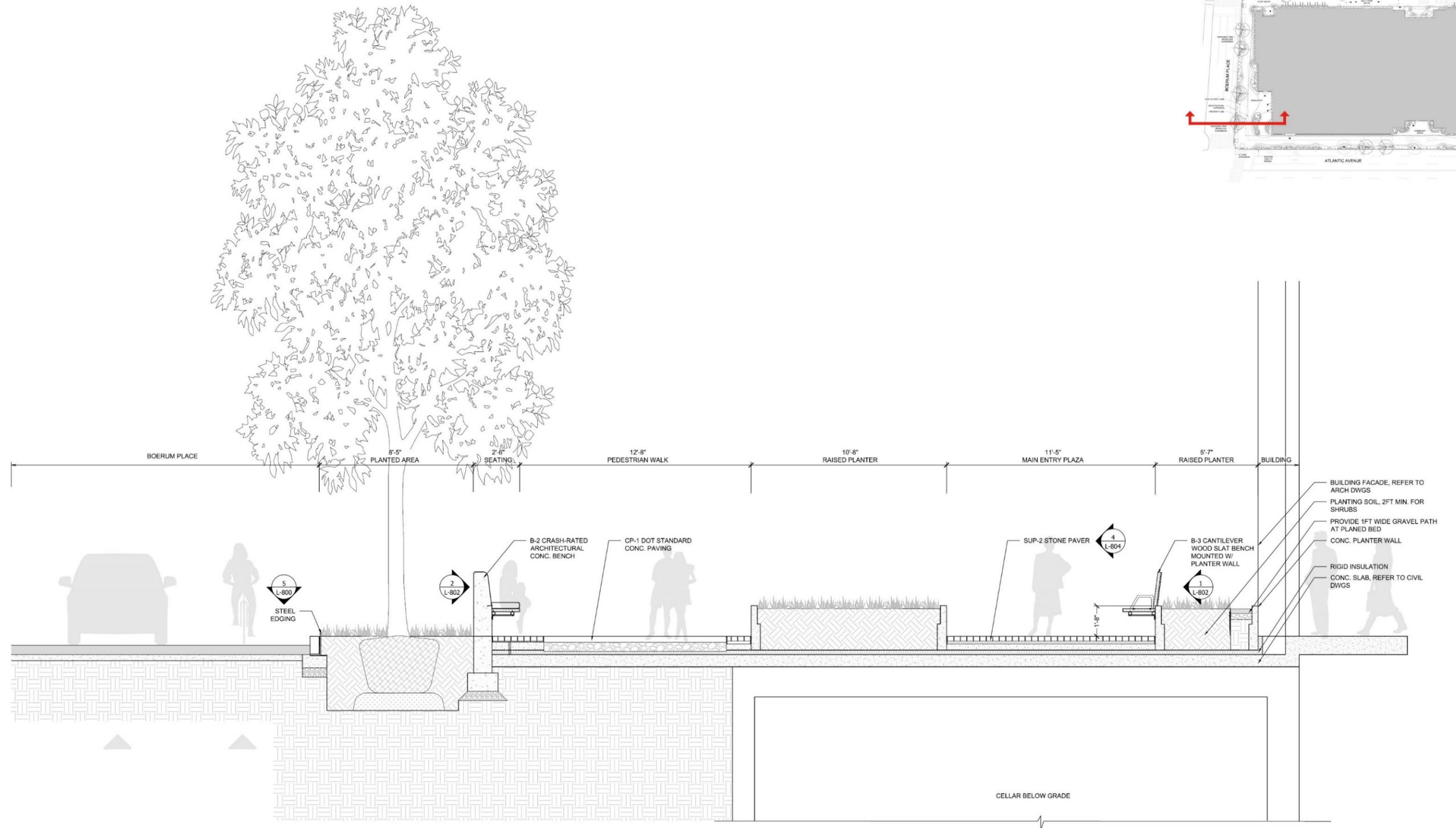
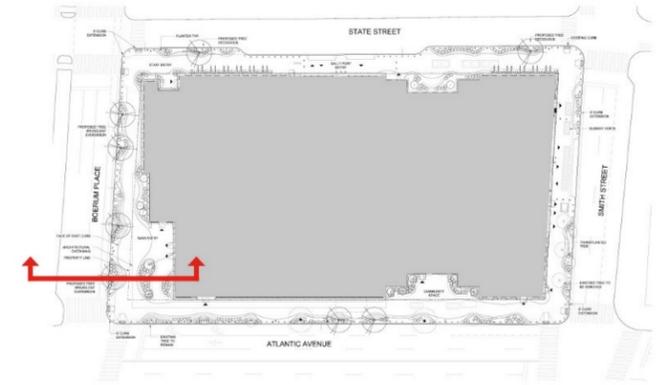
ARCTOSTAPHYLOS UVA-URSI
COMMON BEARBERRY



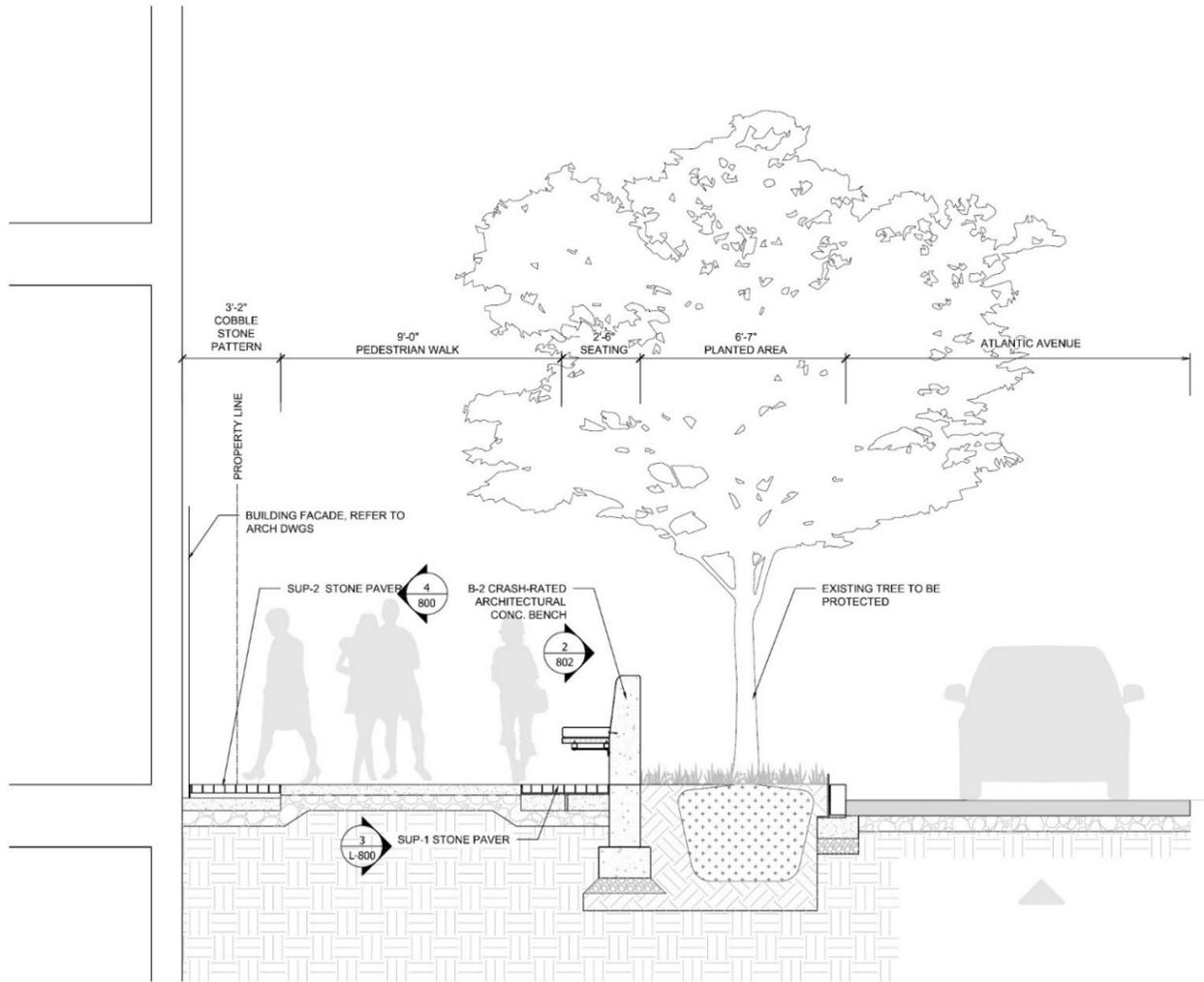
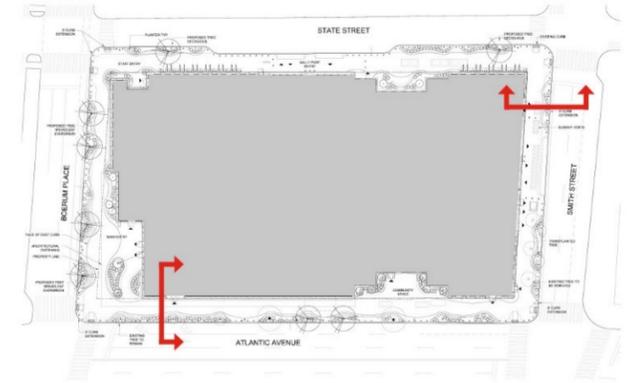
ARMERIA SP.
LADY'S CUSHION

EG EVERGREEN

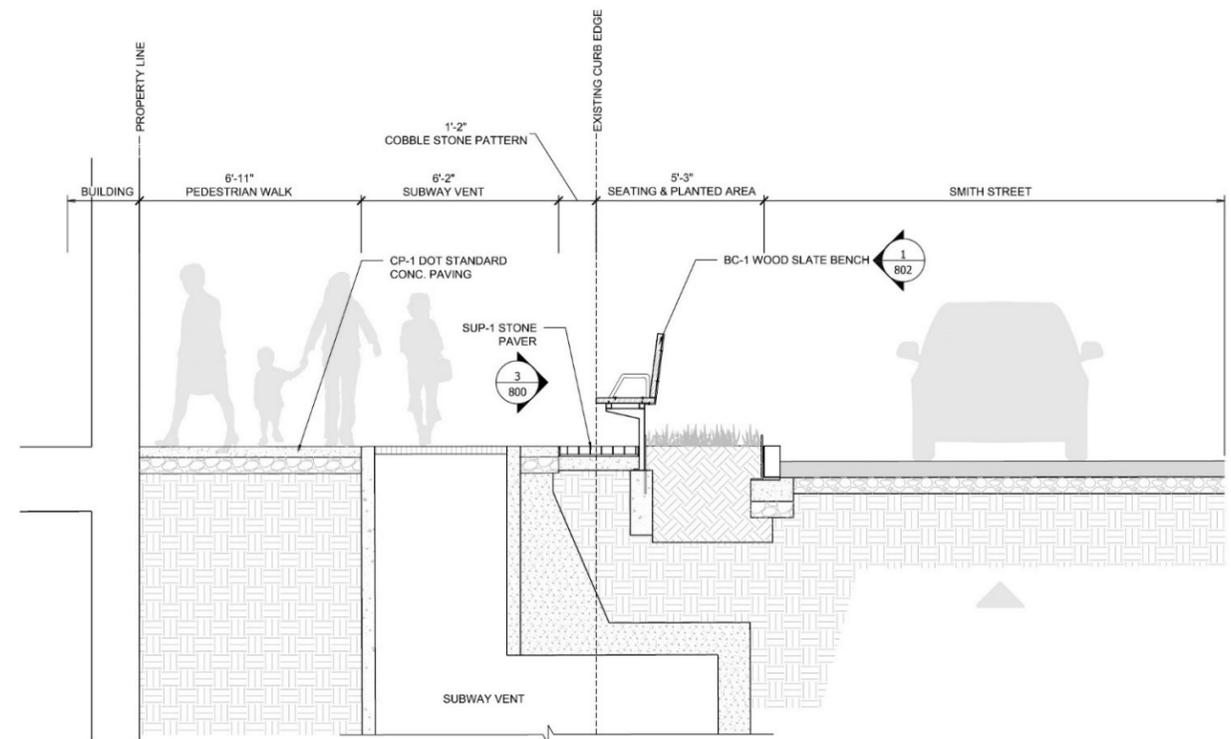
SEG SEMI-EVERGREEN



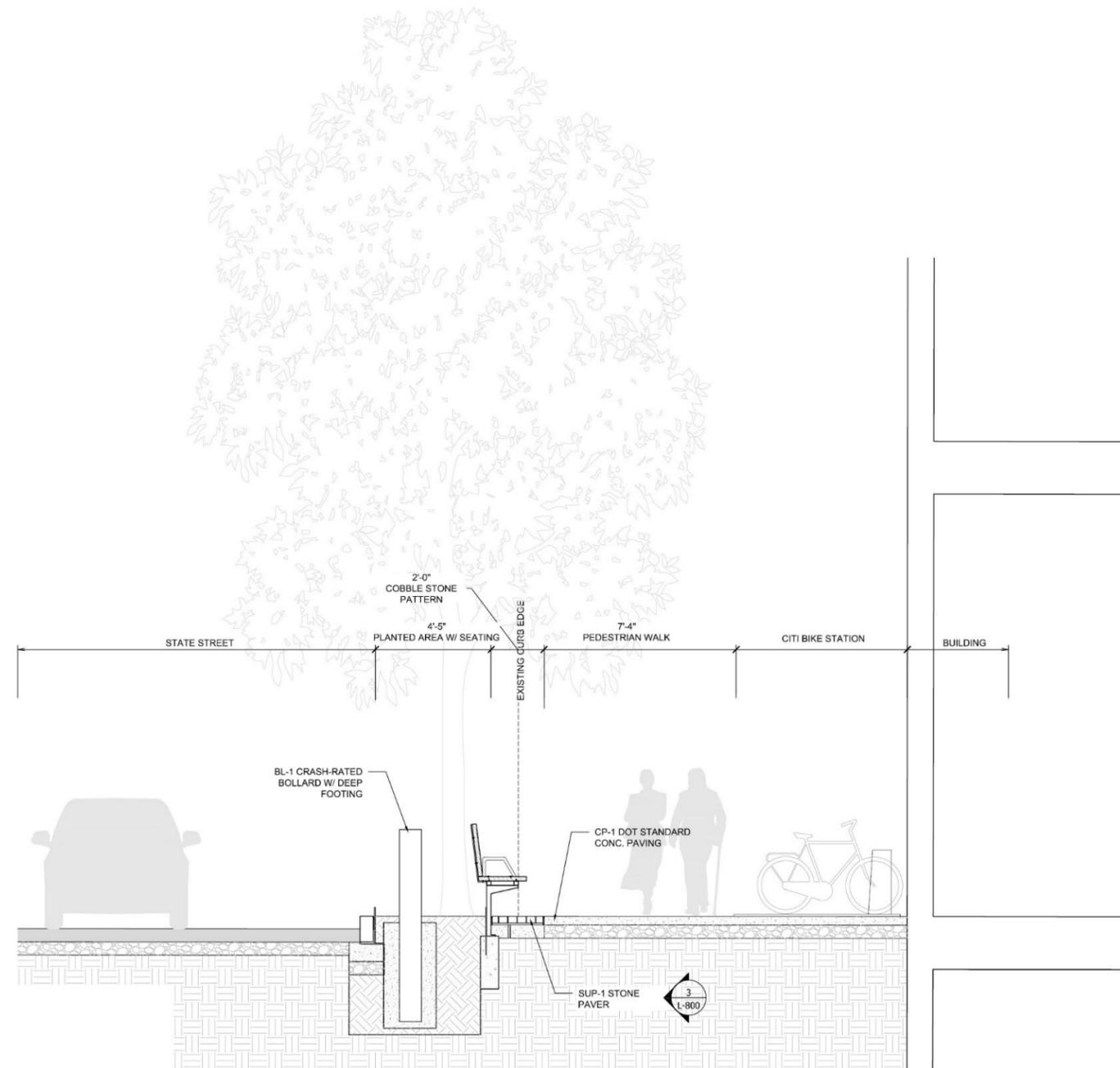
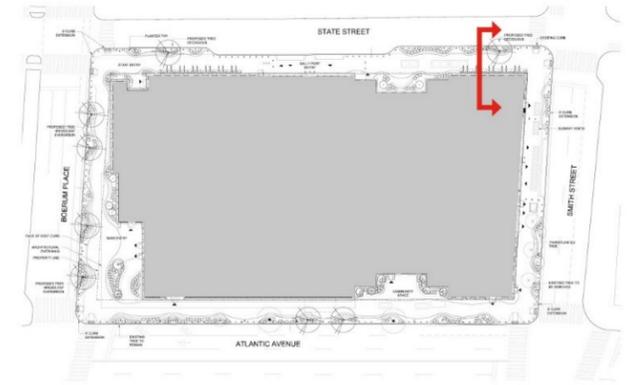
BOERUM PLACE: PLAZA



ATLANTIC AVENUE SECTION



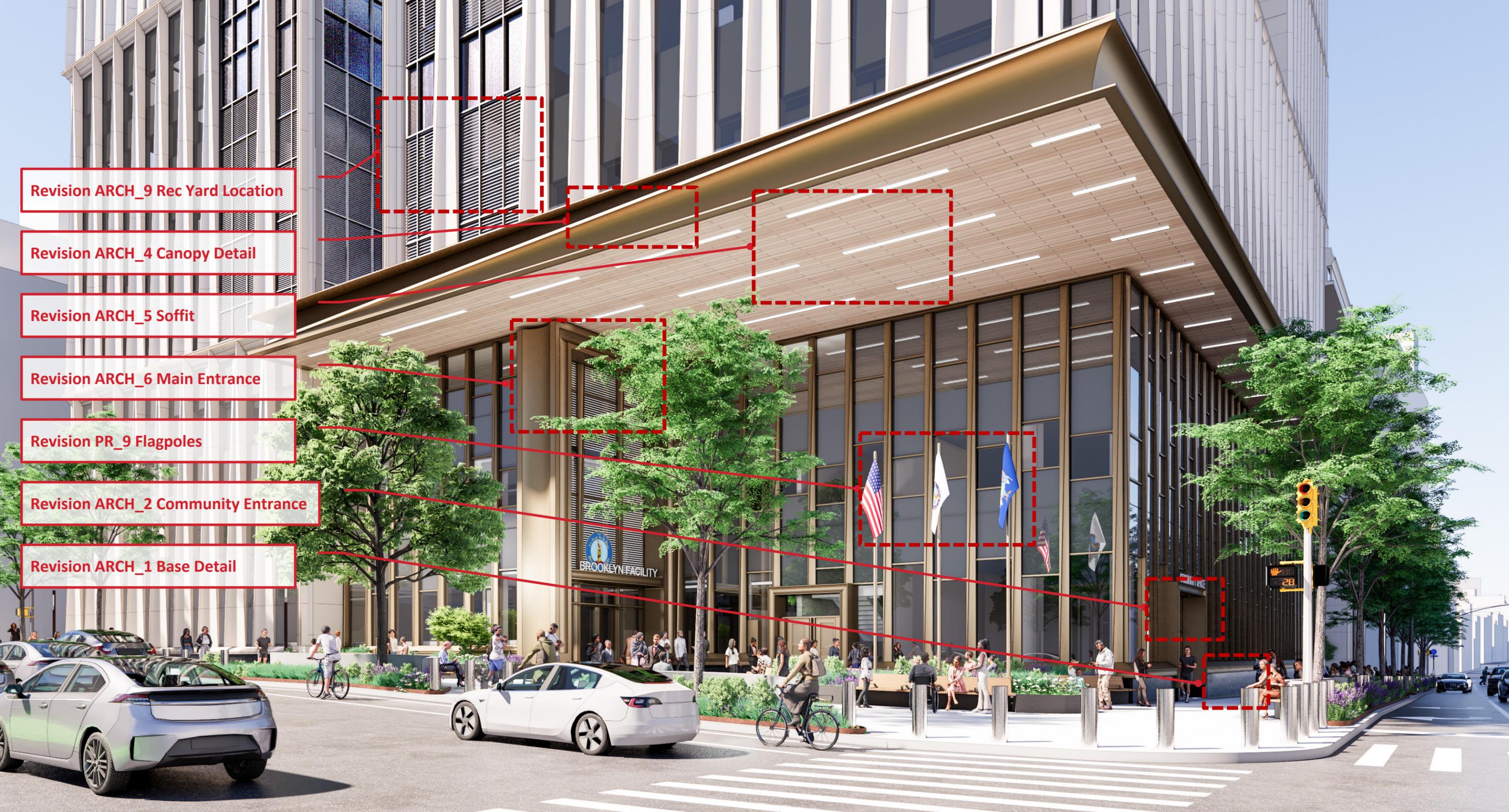
SMITH STREET SECTION



STATE STREET SECTION

CONCEPT REVIEW





Revision ARCH_9 Rec Yard Location

Revision ARCH_4 Canopy Detail

Revision ARCH_5 Soffit

Revision ARCH_6 Main Entrance

Revision PR_9 Flagpoles

Revision ARCH_2 Community Entrance

Revision ARCH_1 Base Detail

BROOKLYN FACILITY



CONCEPT REVIEW





Revision ARCH_4 Canopy Detail

Revision ARCH_5 Soffit Material

Revision ARCH_6 Main Entrance

Revision PR_9 Flagpoles

Revision ARCH_2 Community Entrance

Revision ARCH_1_Base Detail

Revision PR_11 Plaza Space

CONCEPT REVIEW





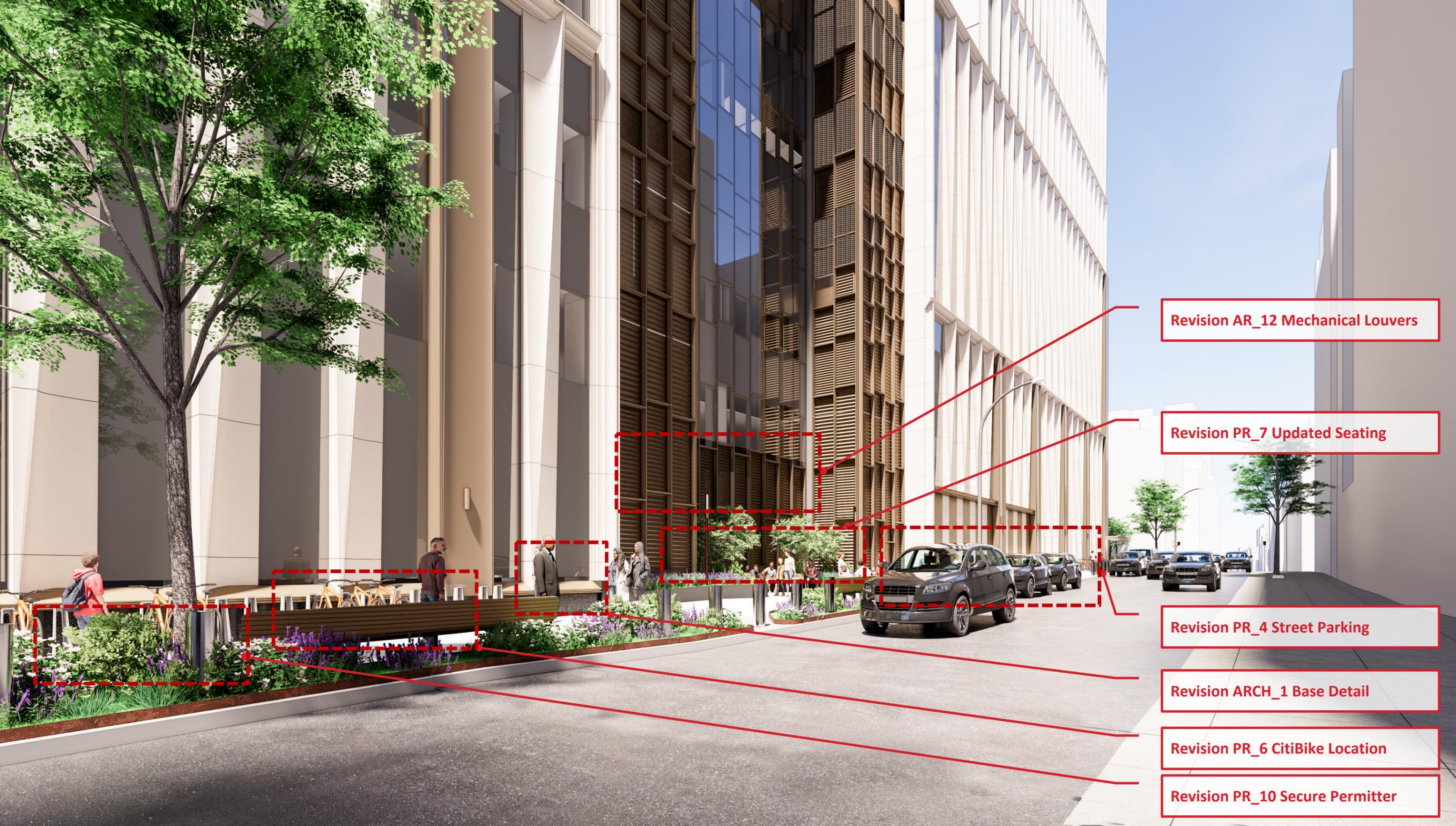
Revision PR_9 Flagpoles

Revision ARCH_6 Main Entrance

Revision PR_11 Plaza Space

CONCEPT REVIEW





Revision AR_12 Mechanical Louvers

Revision PR_7 Updated Seating

Revision PR_4 Street Parking

Revision ARCH_1 Base Detail

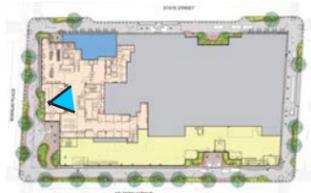
Revision PR_6 CitiBike Location

Revision PR_10 Secure Permitter



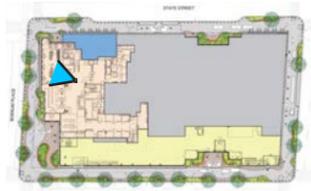


Interior material, color and furniture are under development.





Interior material, color and furniture are under development.





Interior material, color and furniture are under development.





Interior material, color and furniture are under development.



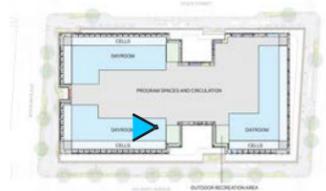


Interior material, color and furniture are under development.



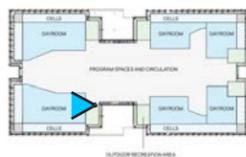


Interior material, color and furniture are under development.



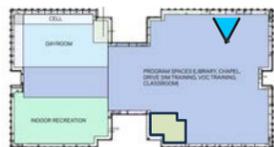


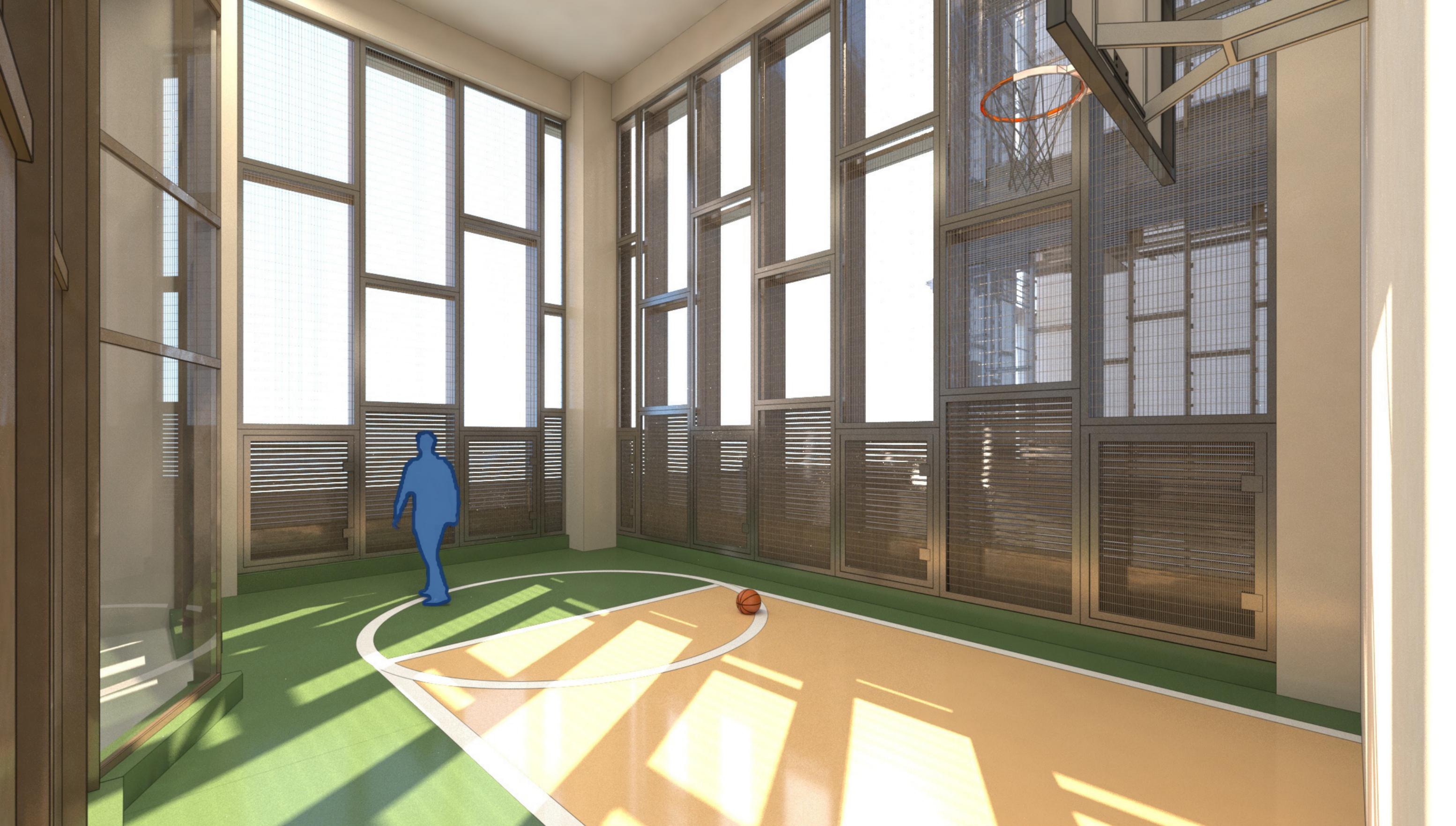
Interior material, color and furniture are under development.

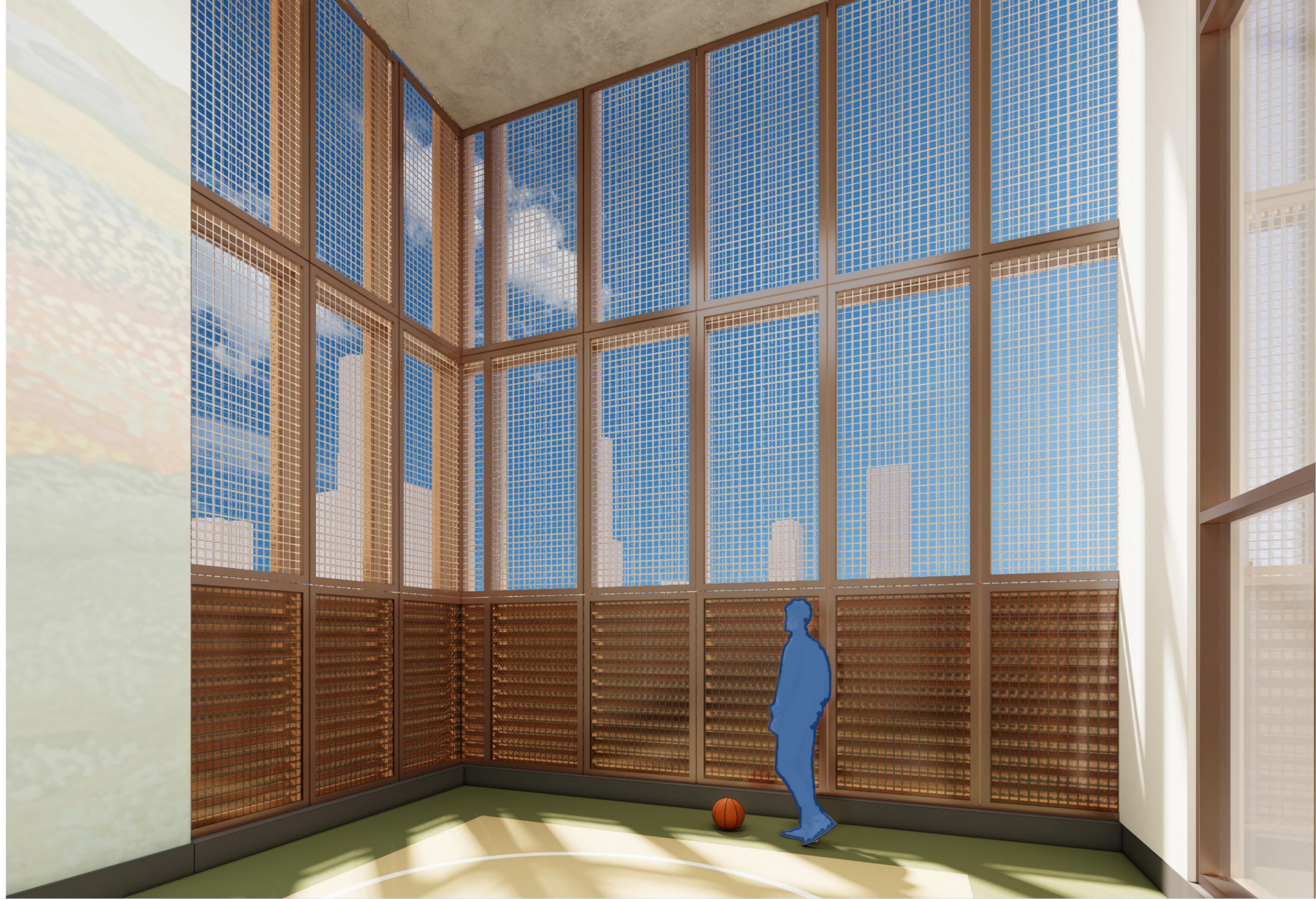


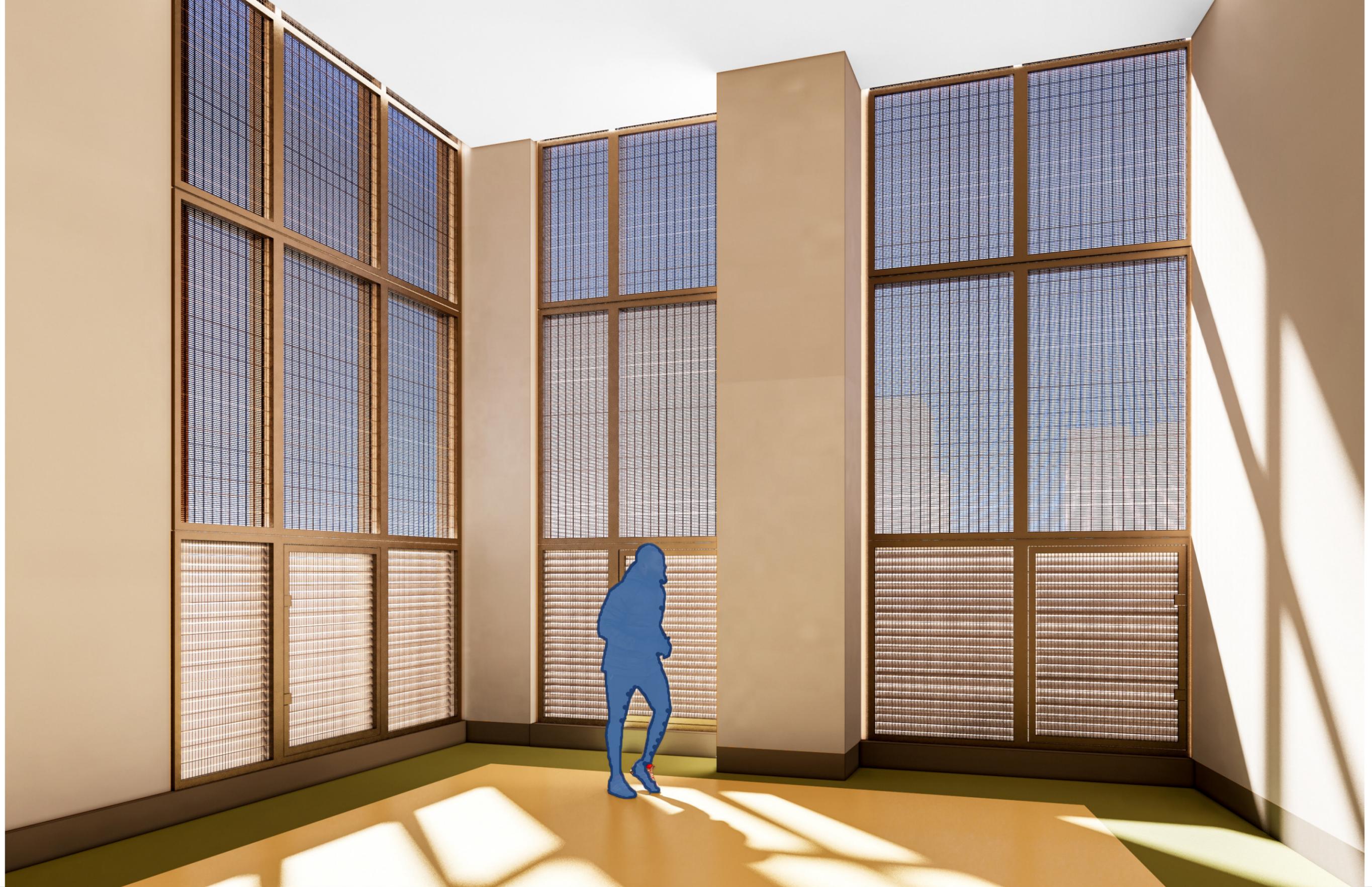


Interior material, color and furniture are under development.





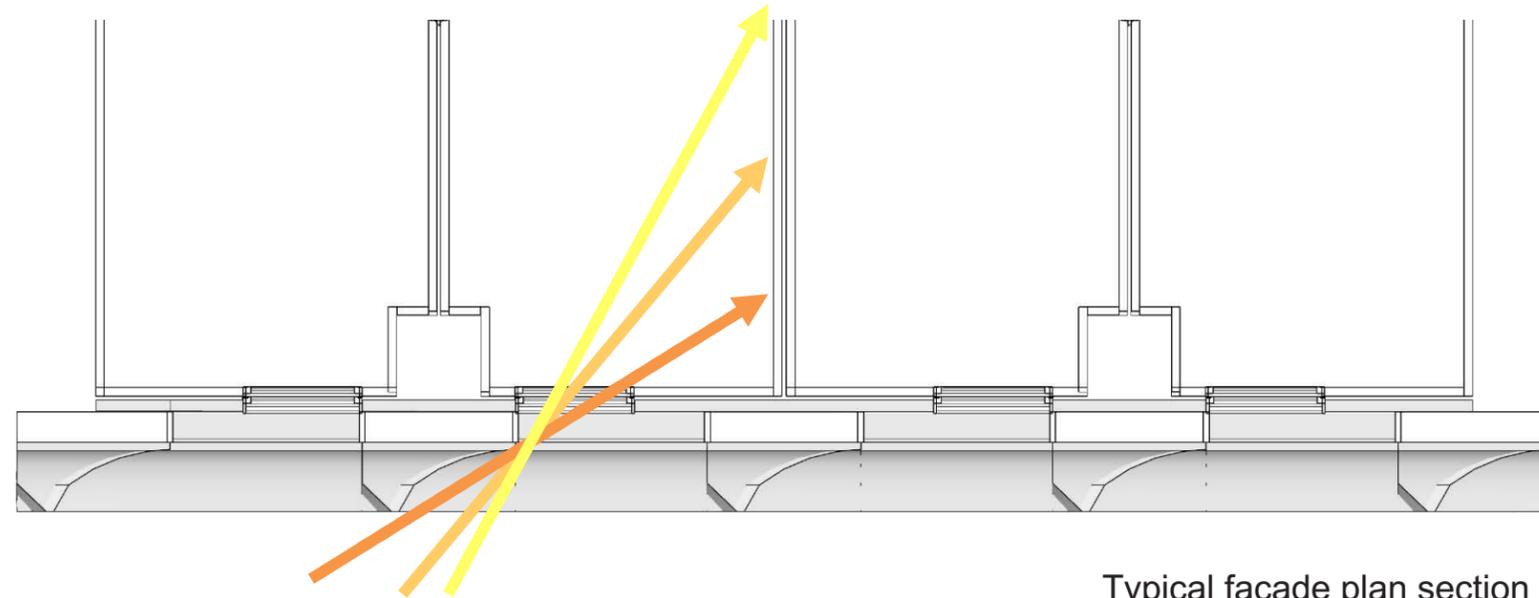




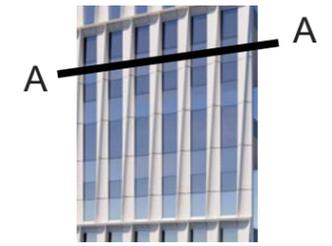


SOUTH FACADE

The fins block hot summer sun and permit winter sun to get deeper into the housing units, reducing heat in summer and providing free heating in winter. This reduces the need for artificial lighting and results in energy savings. It also positively impacts the circadian rhythm of individuals.



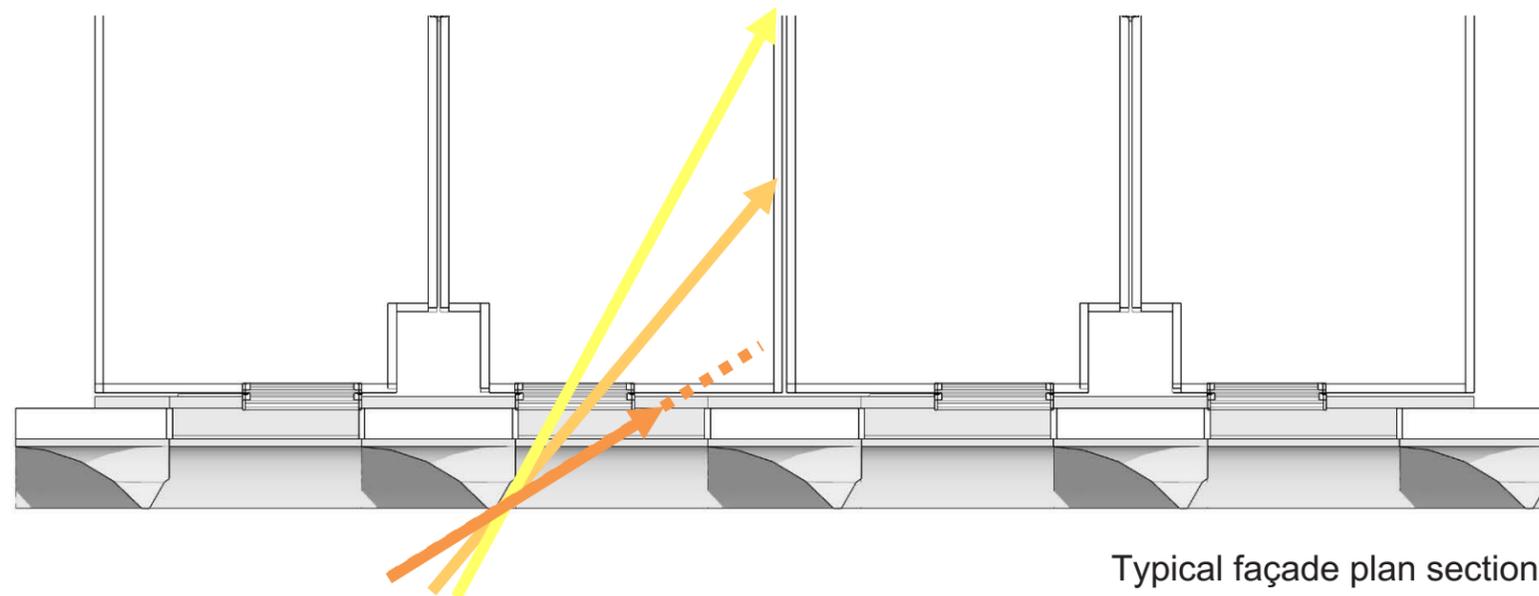
Typical facade plan section A - A



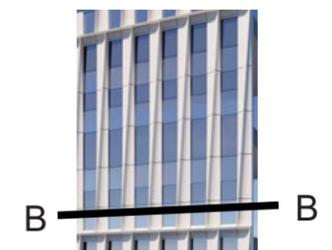
Key Elevation

11 AM – 3 PM hot sun position to be blocked by shading

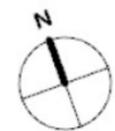
- Summer Solstice 3 PM
- Autumn Equinox 3 PM
- Winter Solstice 3 PM



Typical facade plan section B - B

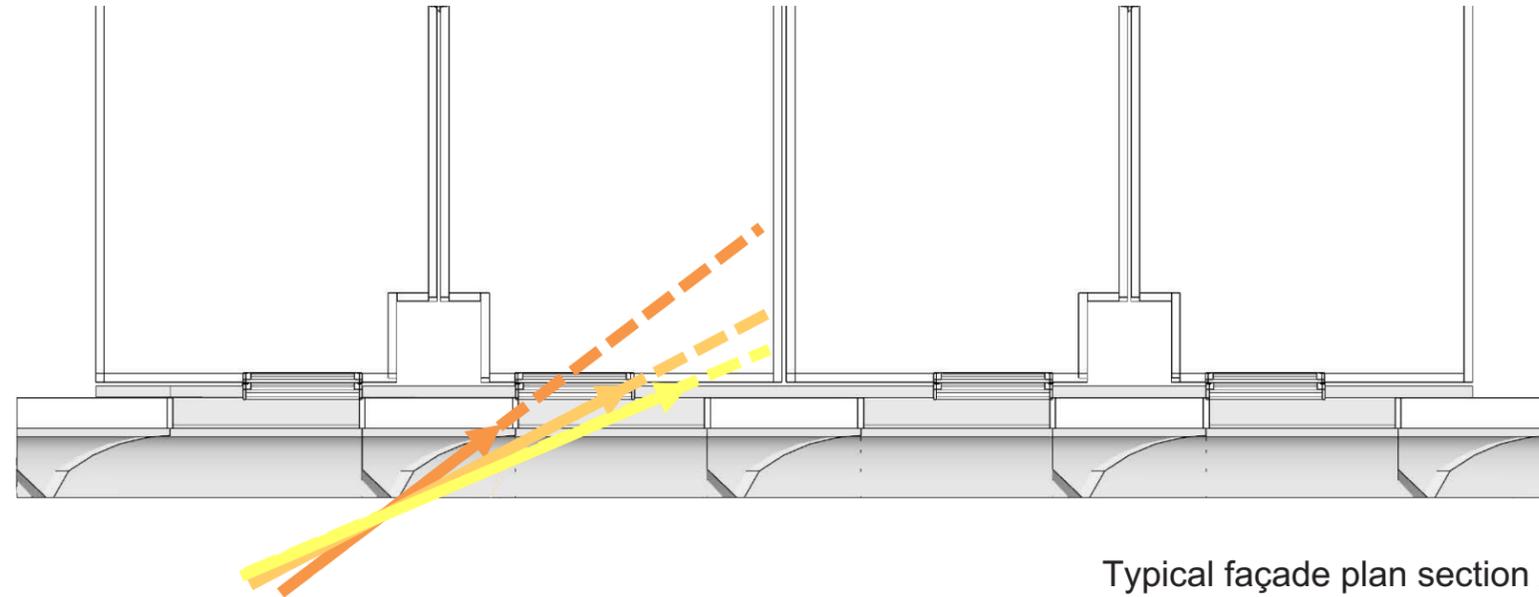


Key Elevation

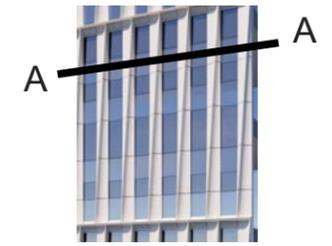


EAST FACADE

The vertical fins permit early morning sun to enter the housing units, and block the hot sun around noon. This reduces the need for artificial lighting and results in energy savings. It also positively impacts the circadian rhythm of individuals.



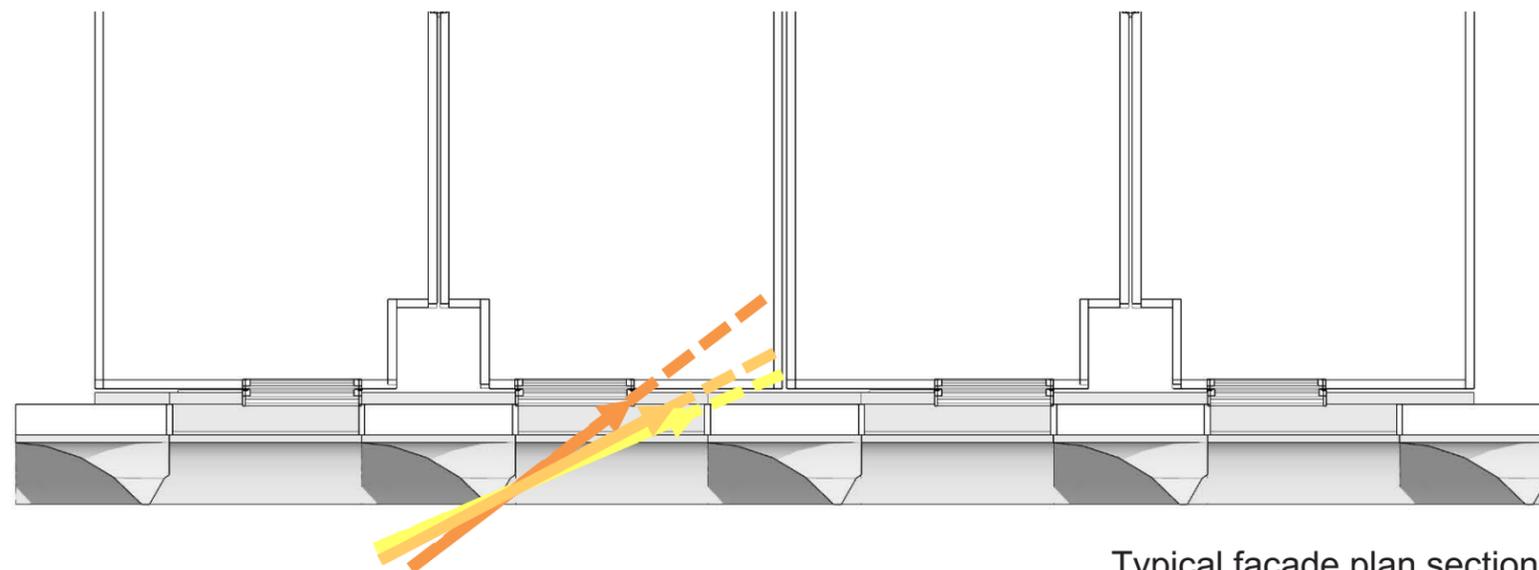
Typical facade plan section A - A



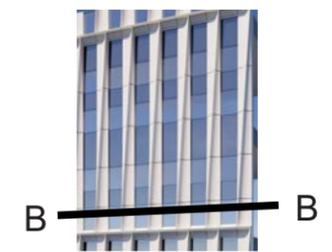
Key Elevation

11 AM – 3 PM hot sun position to be blocked by shading

- Summer Solstice 11:00 AM
- Autumn Equinox 11:00 AM
- Winter Solstice 11:00 AM



Typical facade plan section B - B

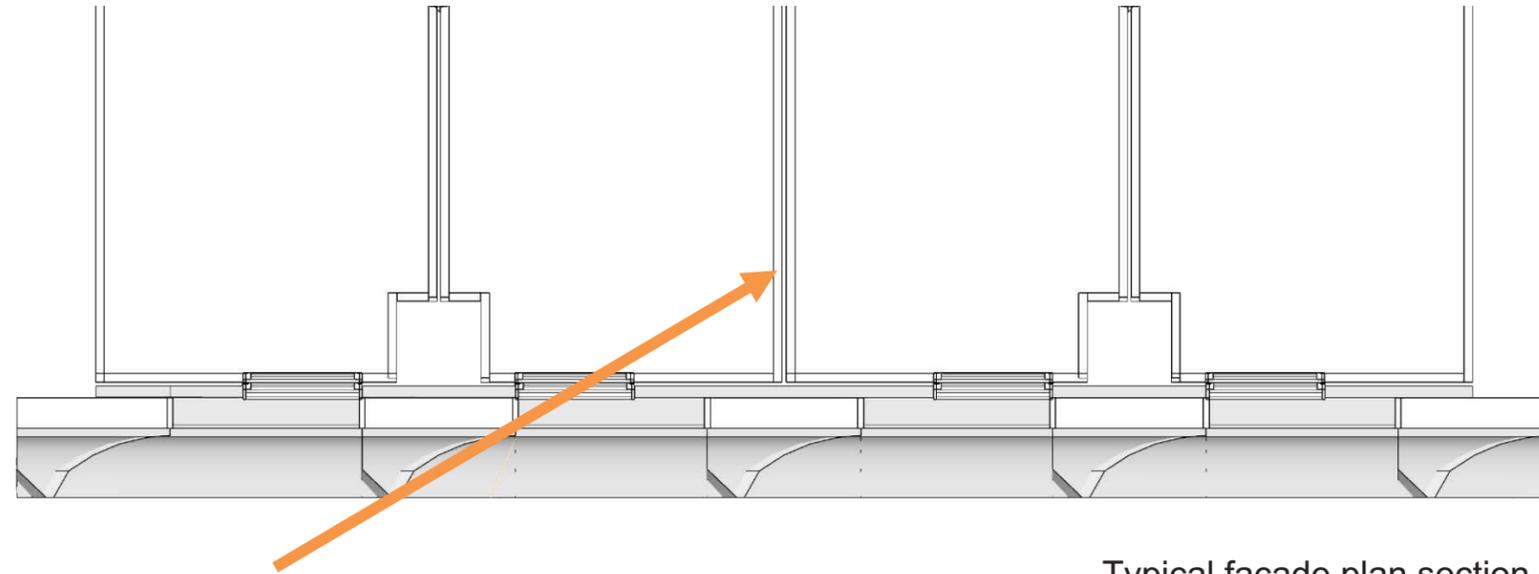


Key Elevation

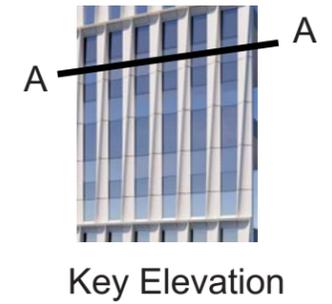


NORTH FACADE

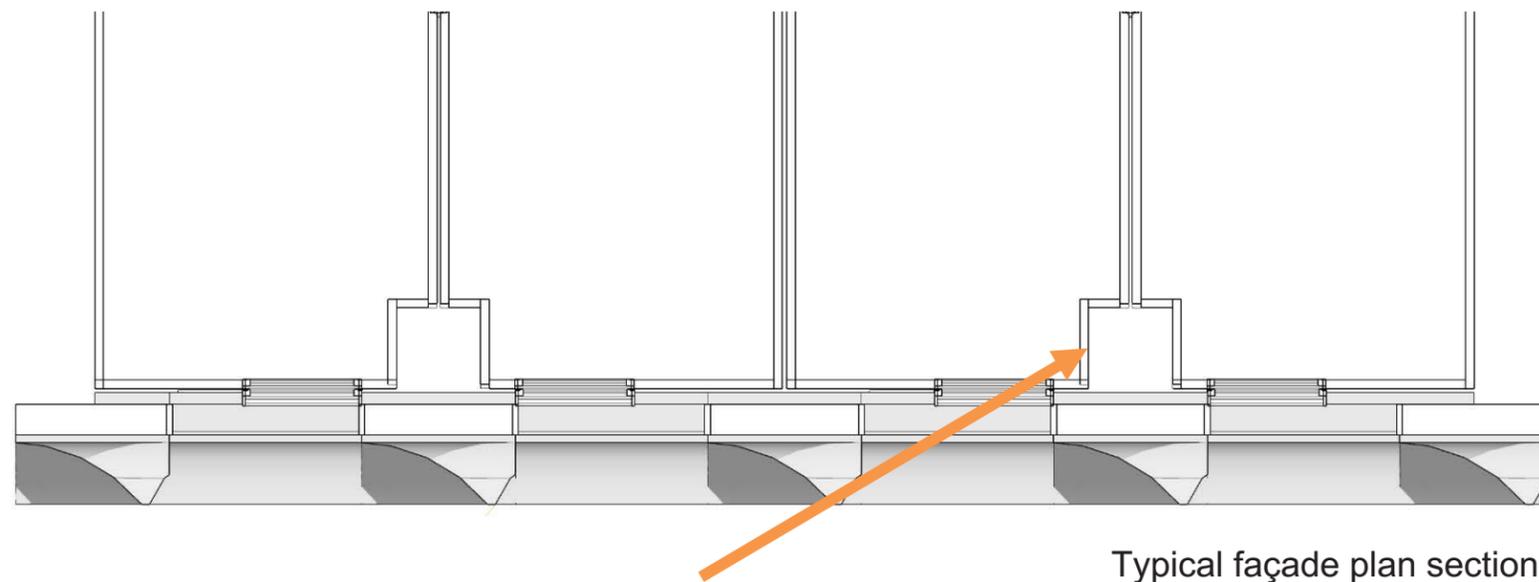
The vertical fins permit early morning sun to enter the housing units. Due to the North facing orientation, the housing units will only receive direct sun in early morning during Summer.



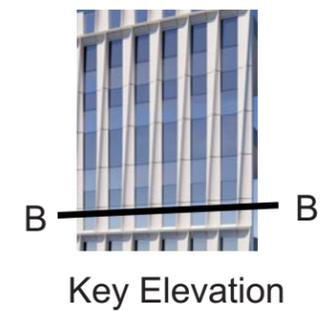
Typical façade plan section A - A



Key Elevation



Typical façade plan section B - B



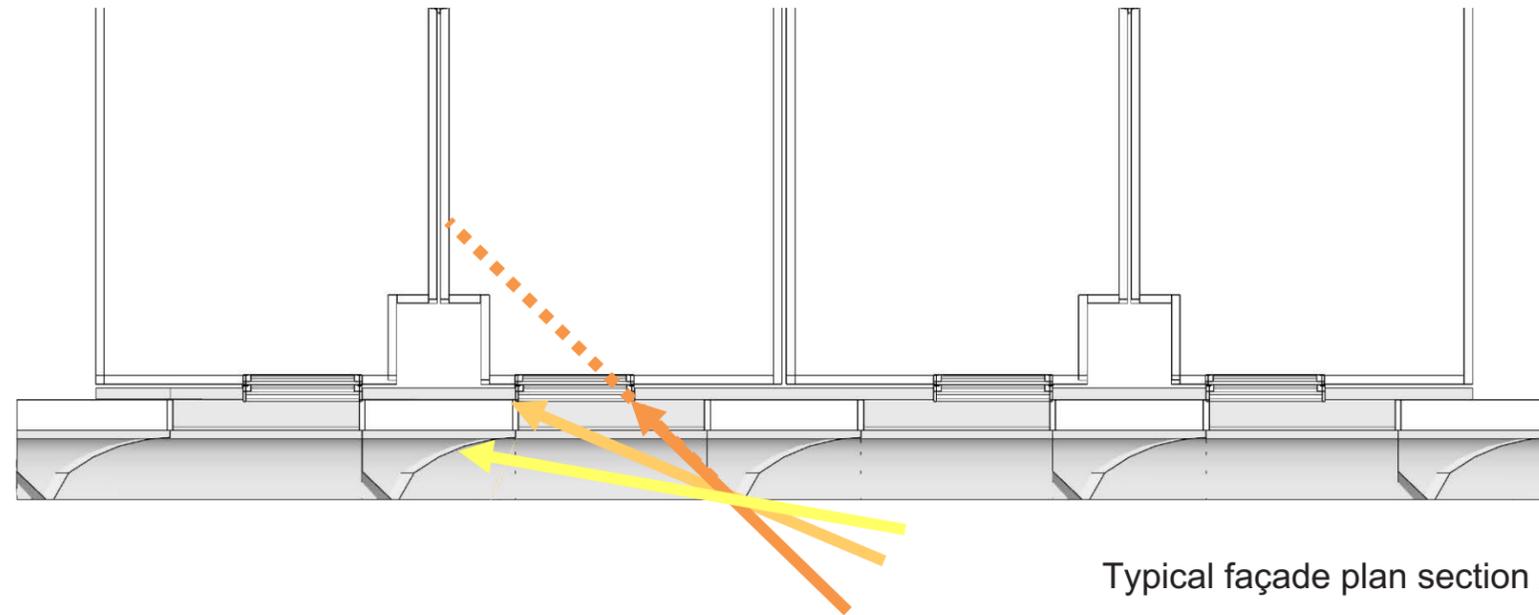
Key Elevation



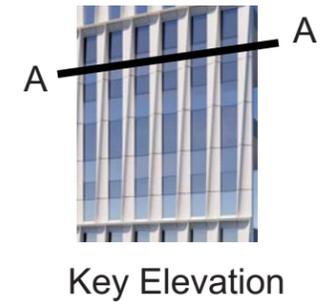
- Summer Solstice 8 AM
- Autumn Equinox 8 AM
- Winter Solstice 8 AM

WEST FACADE

The vertical fins permit late afternoon sun to enter the housing units during most time of the year, reducing the need for artificial lighting and result in energy savings.

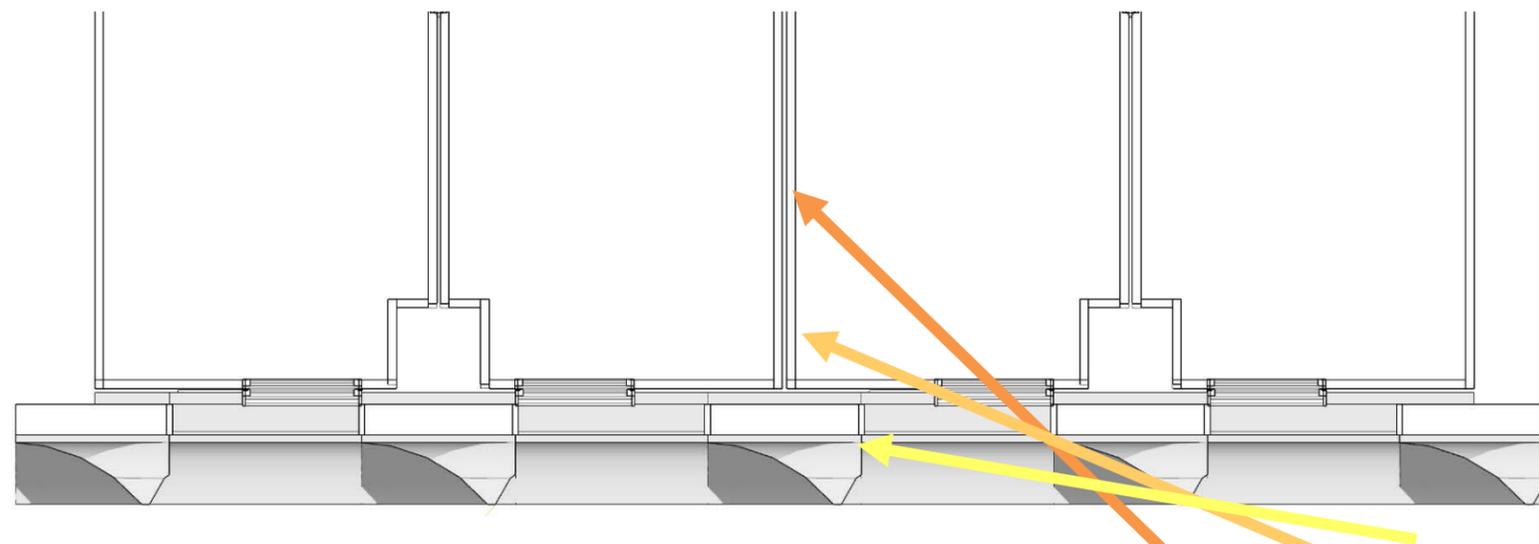


Typical facade plan section A - A

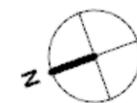
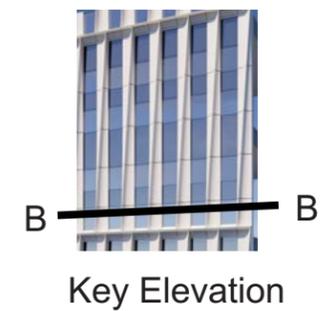


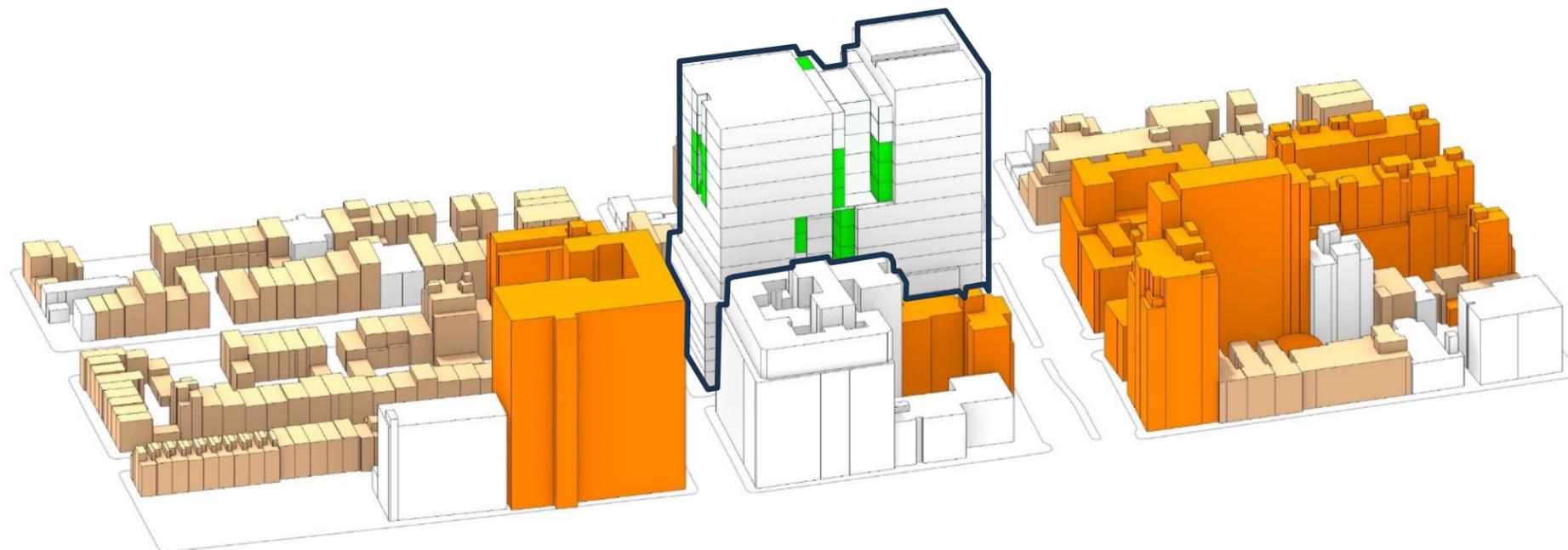
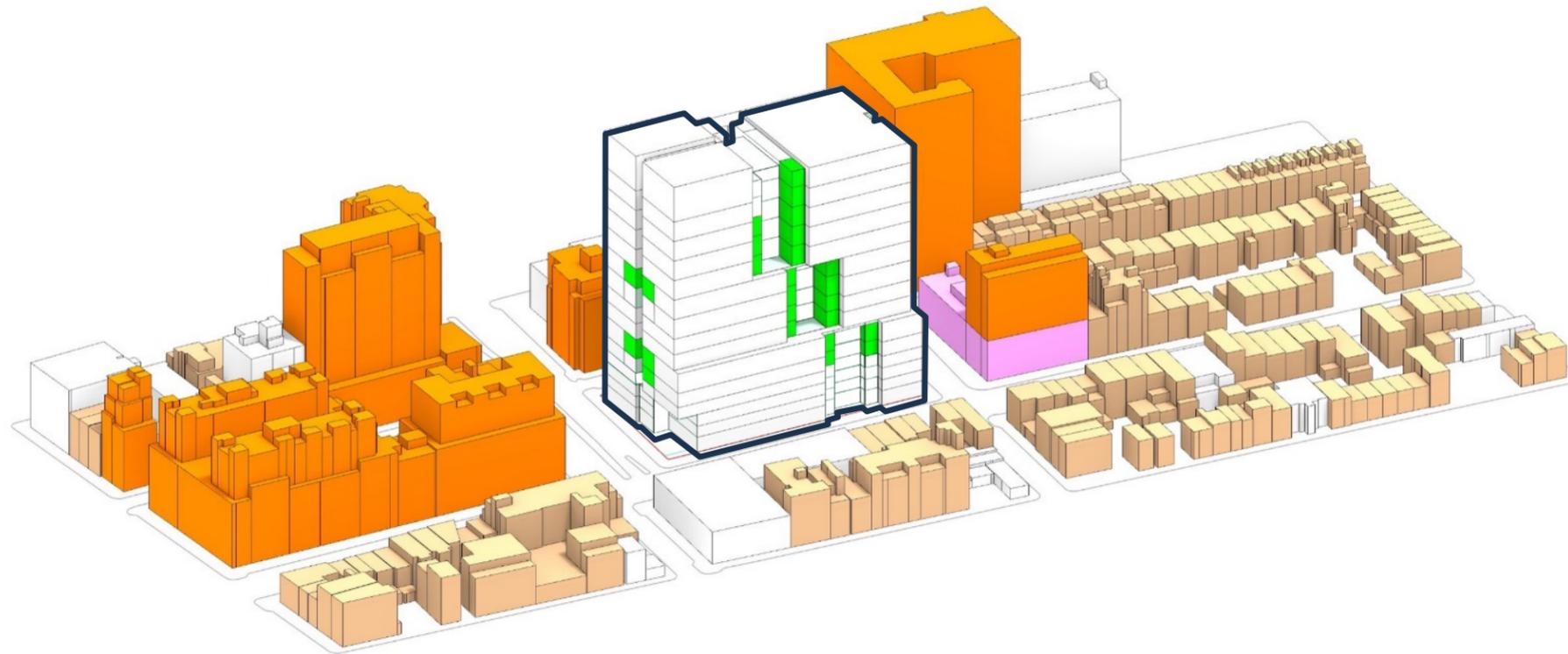
11 AM – 3 PM Hot Sun Position to be blocked by shading

- Summer Solstice 2 PM
- Autumn Equinox 2 PM
- Winter Solstice 2 PM

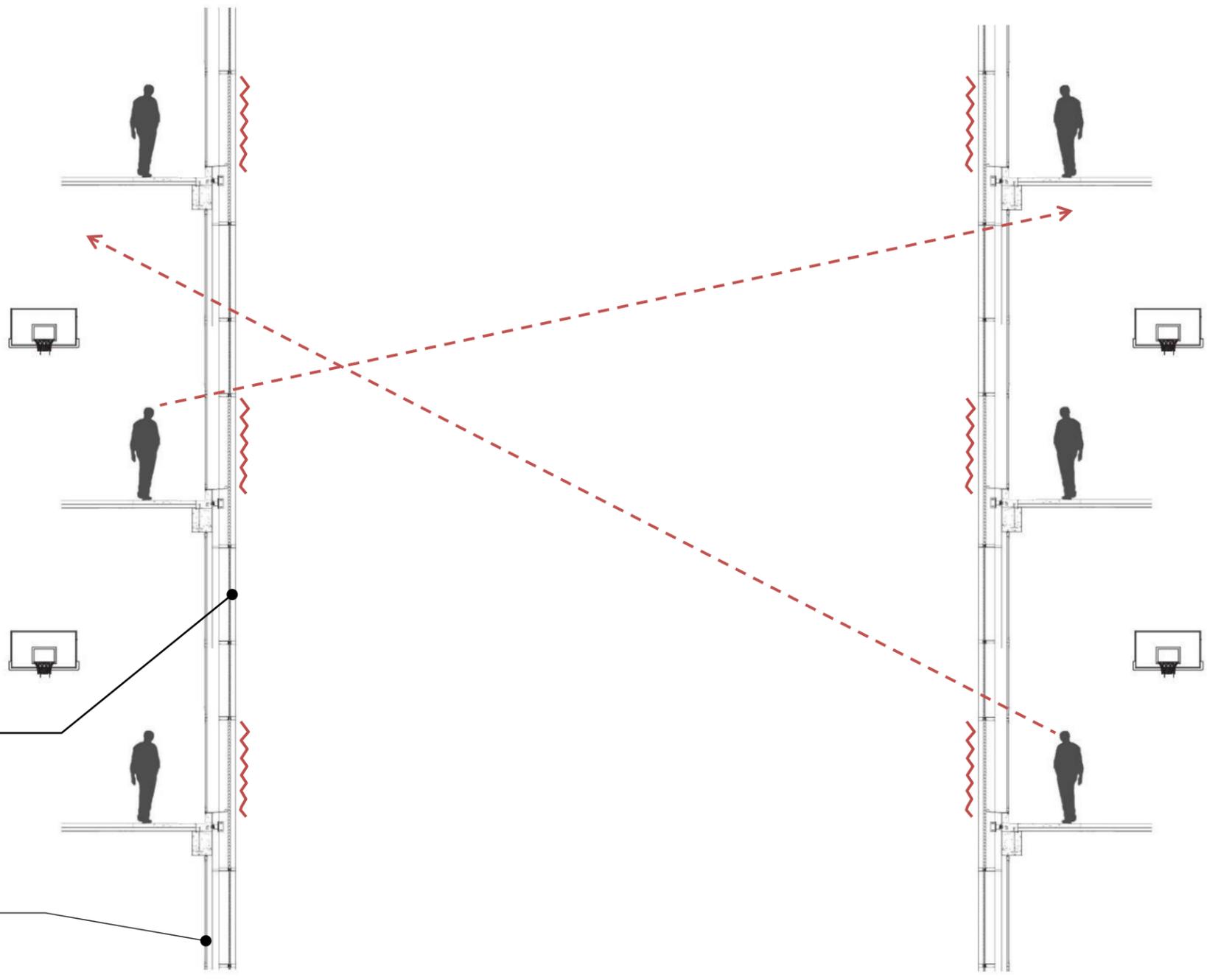


Typical facade plan section B - B





- Hotel
- Mid / High Rise Residential
- Low Rise Residential



Exterior Architectural Mesh

Security Woven Rod Mesh

