New Bronx Detention Facility
Borough-Based Jails Program

745 E 141st Street

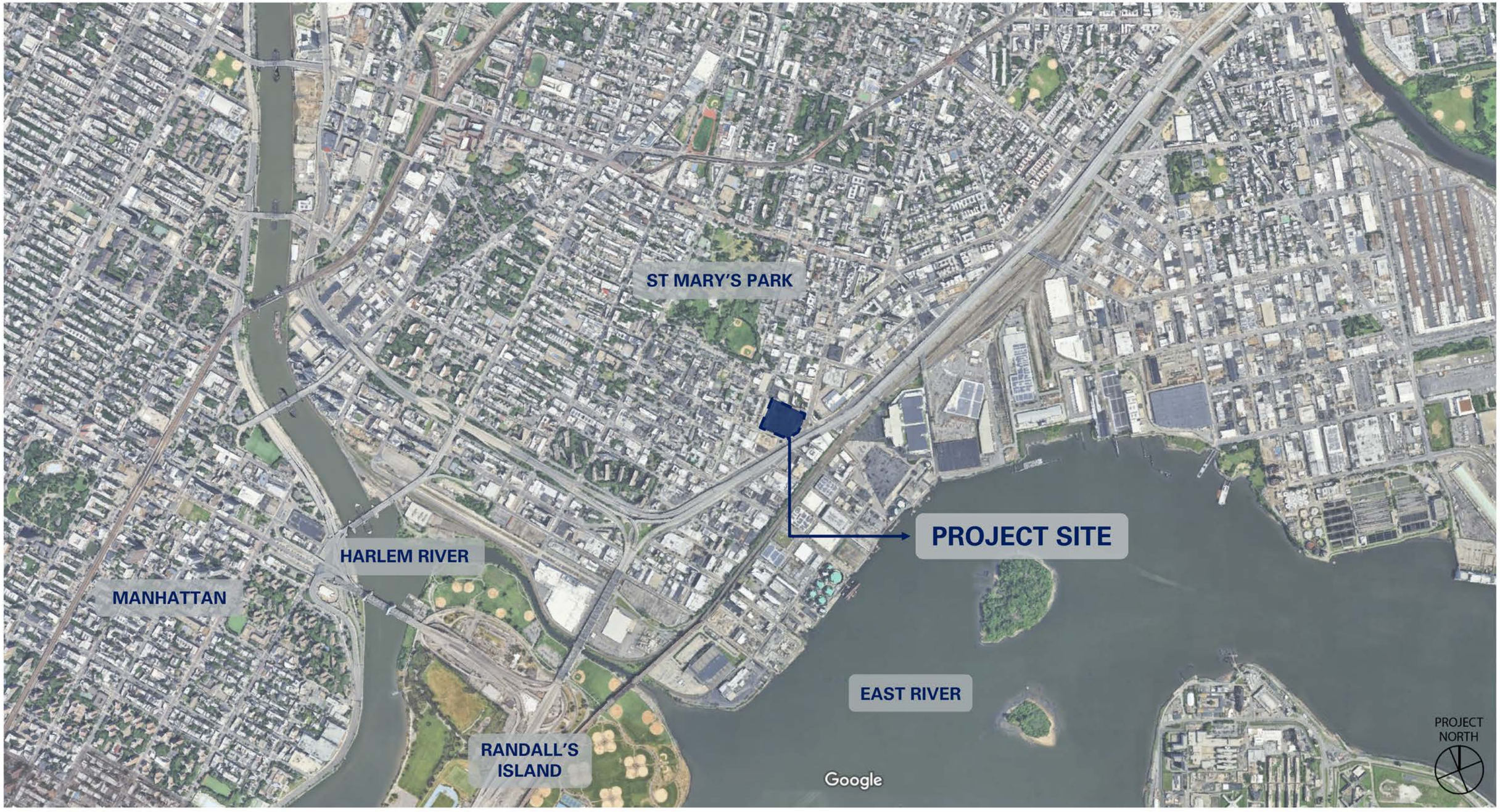
Bronx, NY 10454

PUBLIC DESIGN COMMISSION

Conceptual Design

April 28th, 2025

SITE CONTEXT AND NEIGHBORHOOD


ST MARY'S PARK
PROJECT SITE
HARLEM RIVER
MANHATTAN
EAST RIVER
RANDALL'S ISLAND
Google
PROJECT NORTH

Department of Design and Construction
TRG DESIGN-BUILD
URBAHN CETRARUDDY
LUMEN QRP

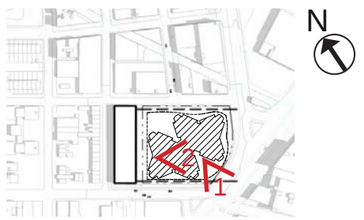
BOROUGH-BASED JAIL - THE BRONX FACILITY
CONCEPTUAL REVIEW
April 28th, 2025

LOCATION PLAN

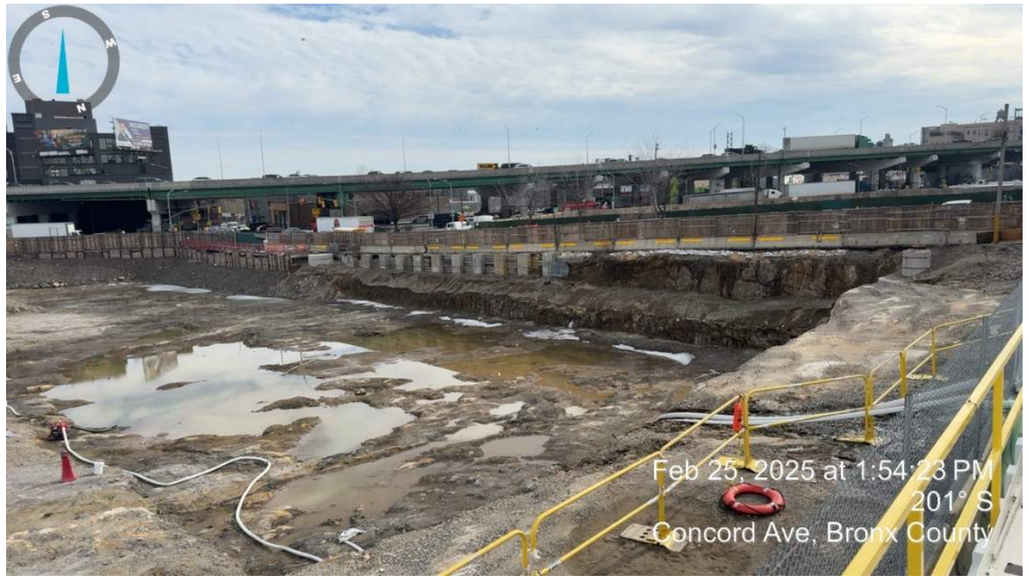
Neighborhood Scale

Facing N/NE Towards 142nd Street

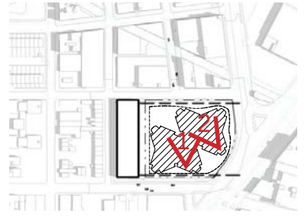
Excavation Site: Facing East towards 142nd Street/Southern Blvd.



Facing SE Towards Southern Blvd.

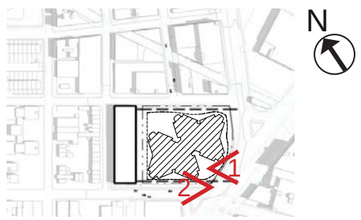


Facing South Towards Bruckner Blvd.



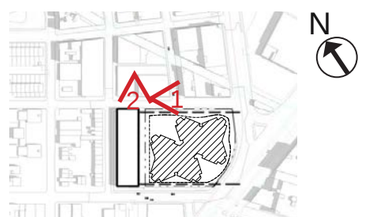
Southern Boulevard toward East

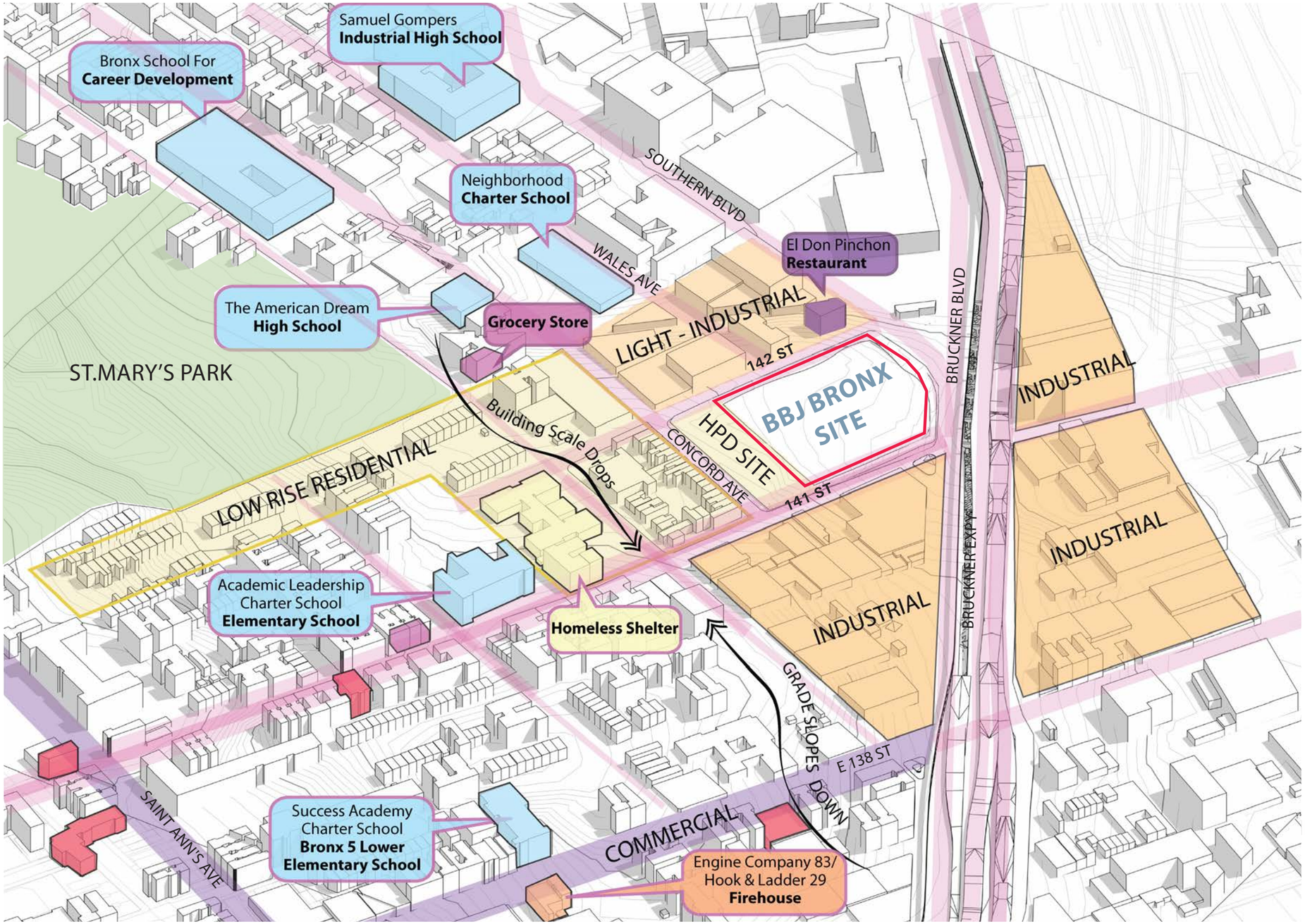
View from East 141st Street



Southern Boulevard and East 142nd Street towards West

East 142nd Street and Wales Avenue toward West

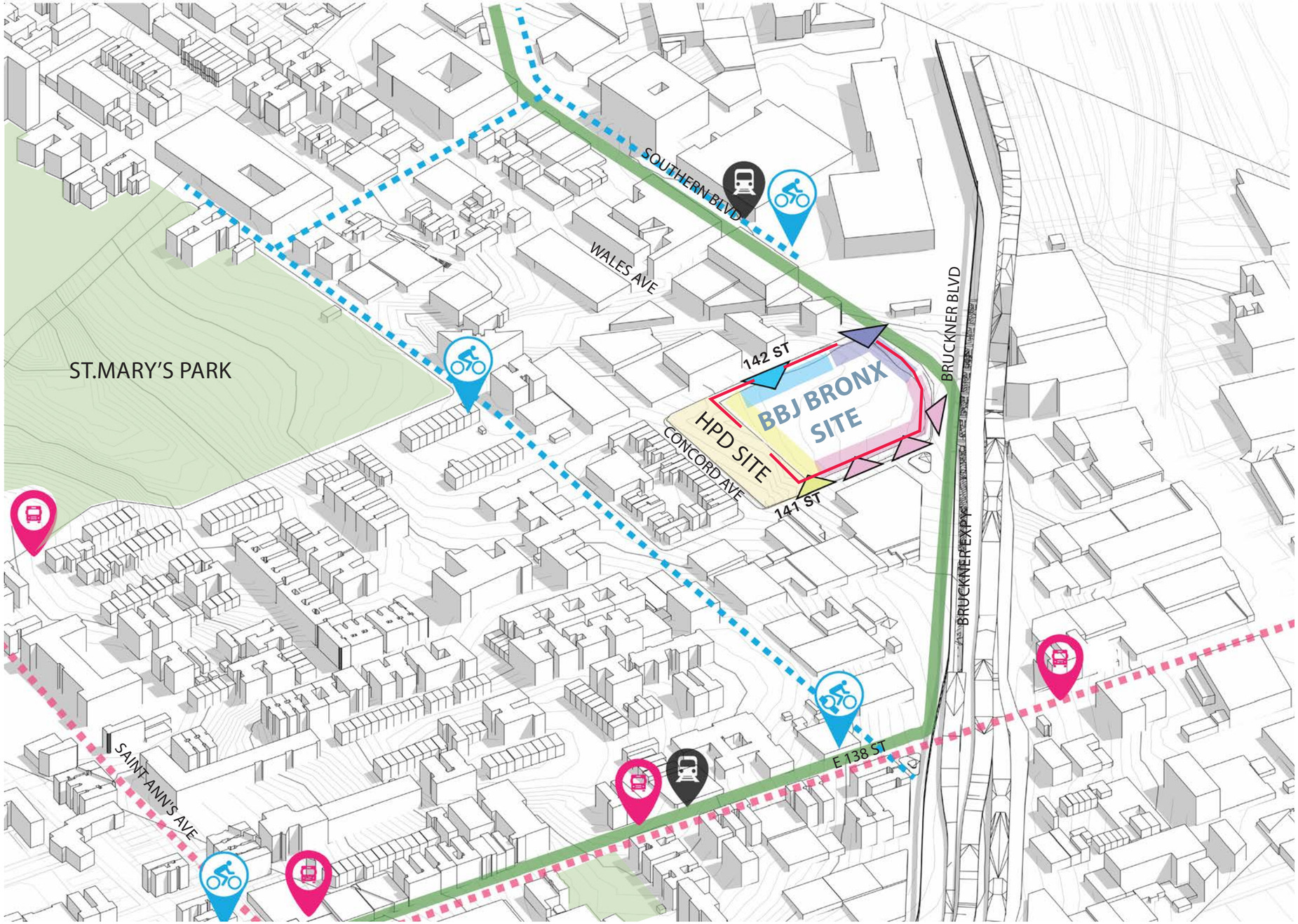




LEGEND

- BBJ Bronx Site
- Main Axis Through Neighborhood
- Commercial Streets
- Park
- Educational
- Religious Services
- Firehouse
- Grocery Store
- Commercial Area
- Industrial Area
- Light Industrial Area
- Residential Area

This site acts as a transition between the industrial area, to the East, articulated around the Bruckner Expressway, and the residential neighborhood, to the West, organized around St. Mary's Park.



LEGEND

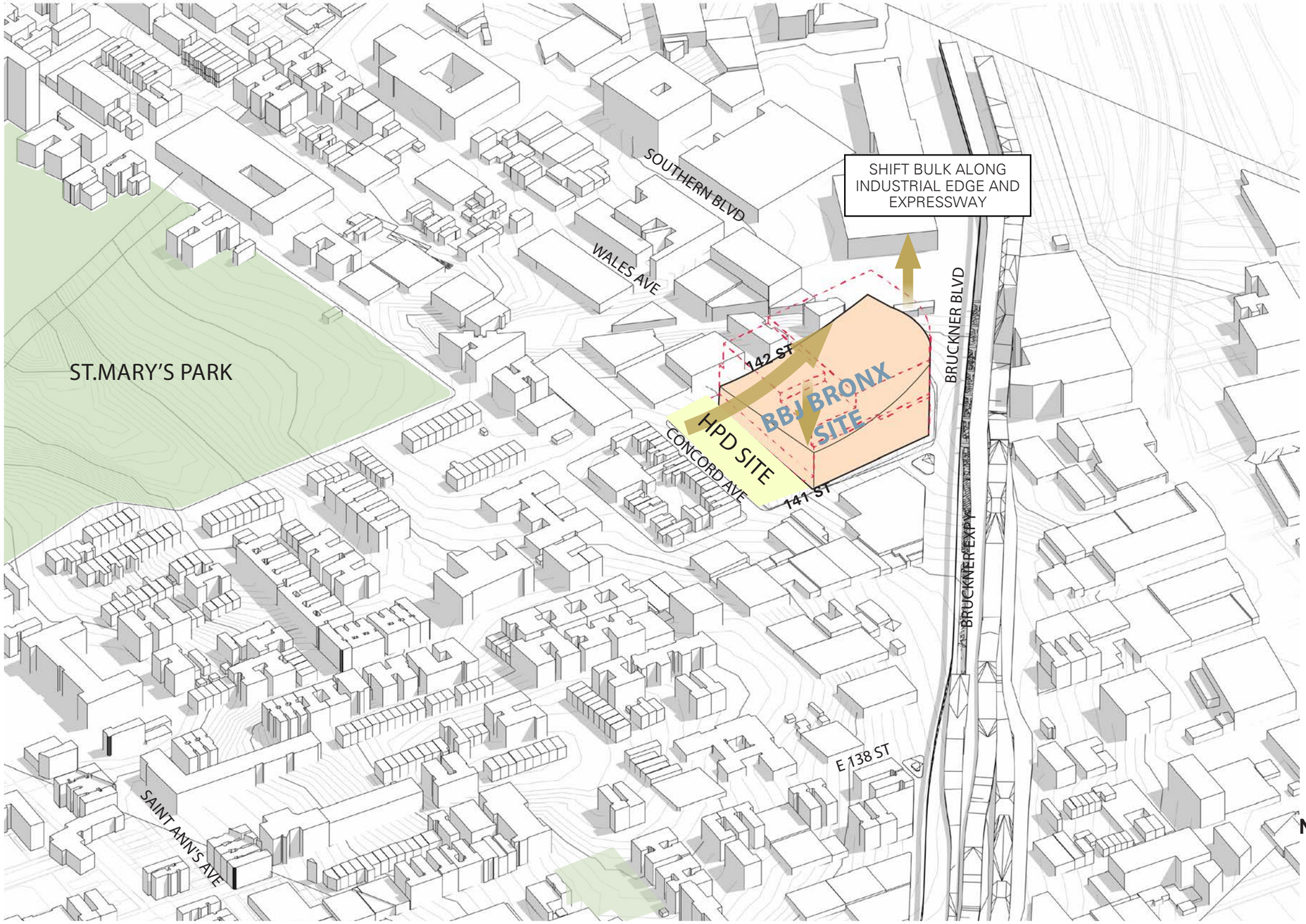
- Bronx Site
- Park
- Visitor Entry
- Staff Entry
- Community Entry
- Vechicular Entry
- Subway Station
- Subway Line
- Citibike Station
- Bicycle Lane
- Bus Stop
- Bus Route

The site has three community entries from the 141st Street.

The main lobby is located on the corner of Southern Boulevard and 142nd Street. This location is in proximity to the 6 train E 143st - St Mary's St subway station.

The staff lobby is located on 142nd Street, in a calm corner of the building.

The People In Custody Sally Port is located between the HPD Site and the BBJ Bronx facility. It is less visible to the general public but connect to both 141st and 142nd Street.



LEGEND

Park

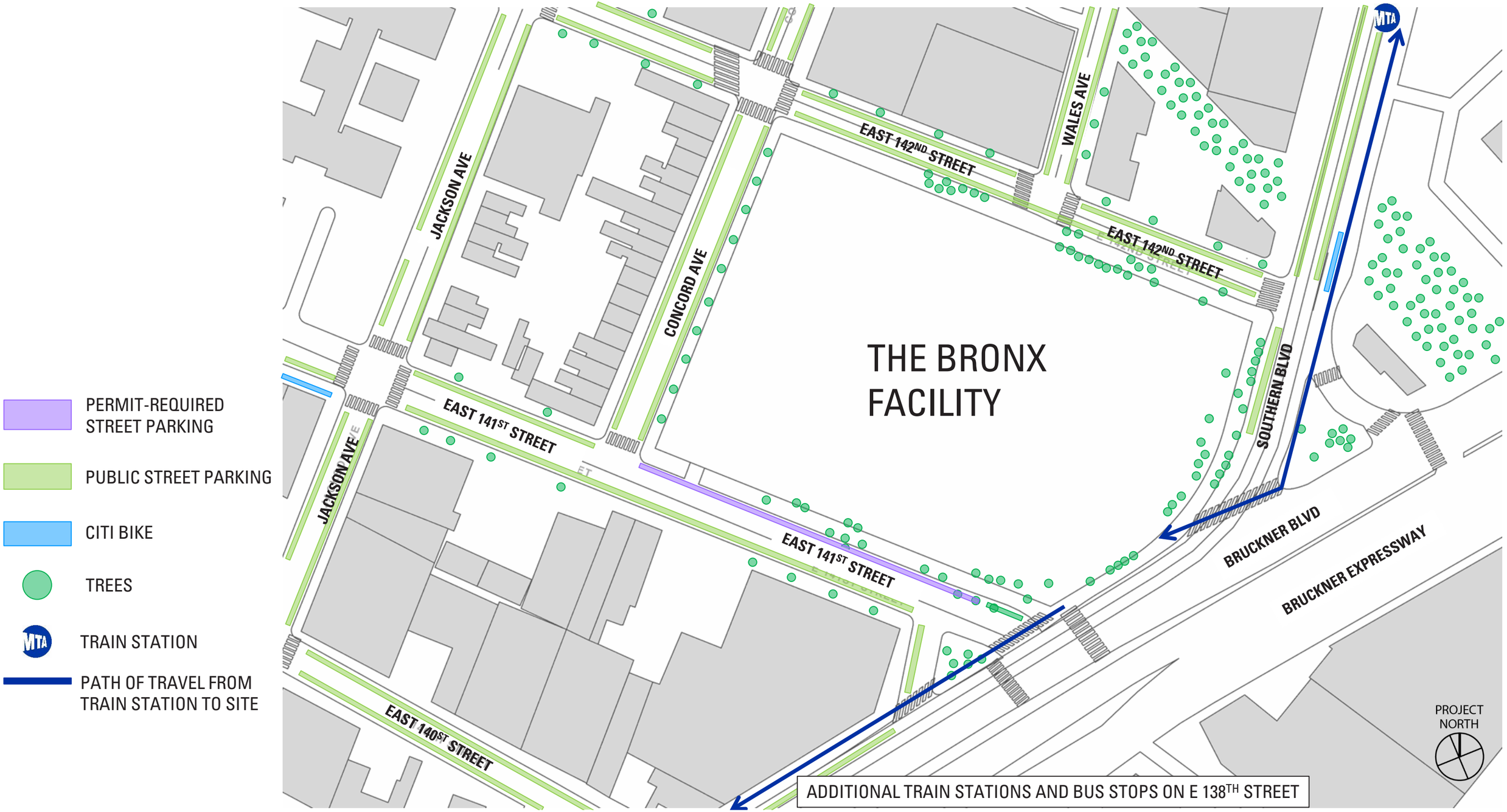
Maximum ULURP Envelope

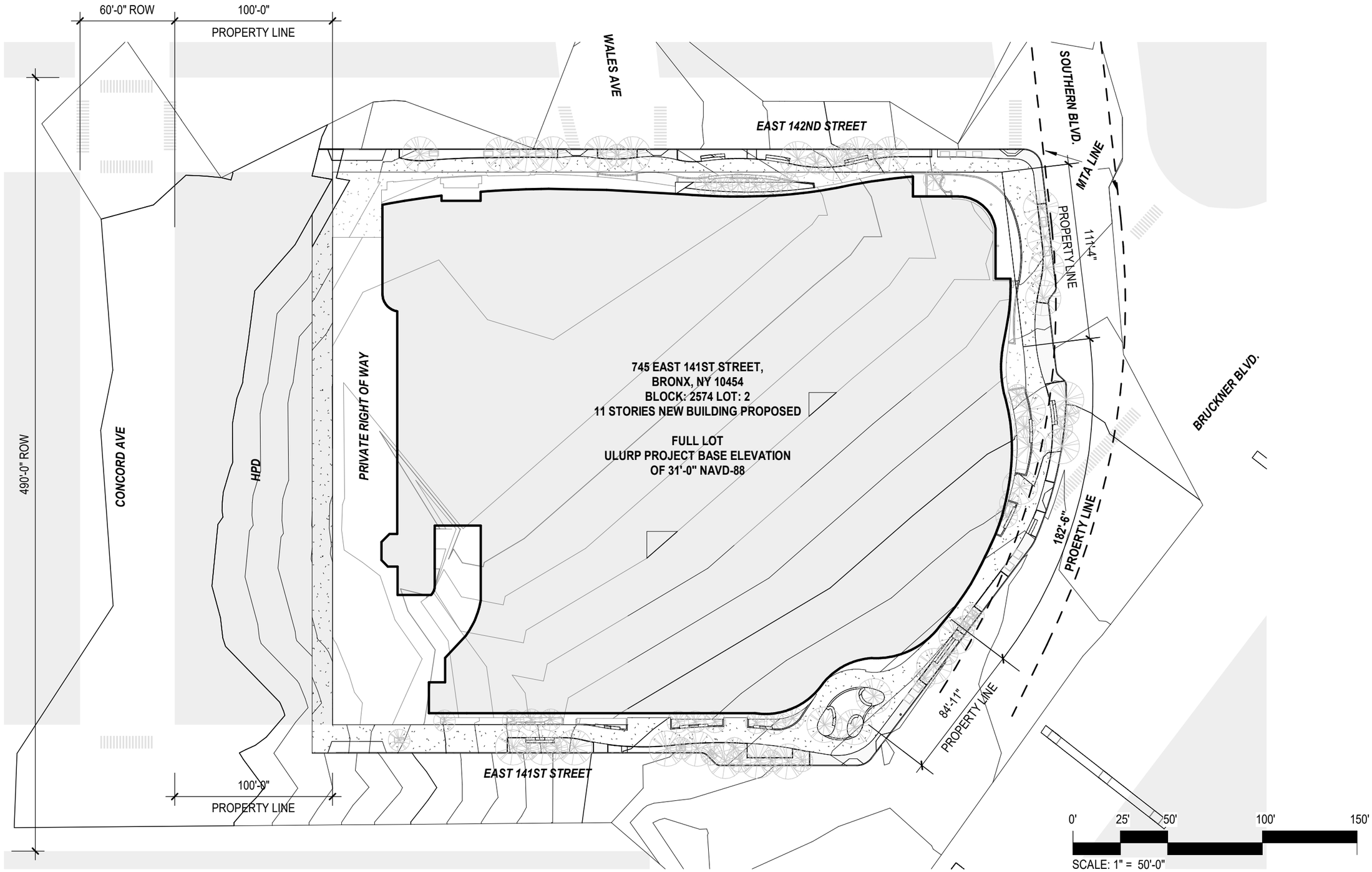
Per the maximum ULURP envelope, bulk and height is shifted toward taller industrial buildings and Bruckner Expressway. Lower height faces low rise residential area and HPD future affordable housing site.

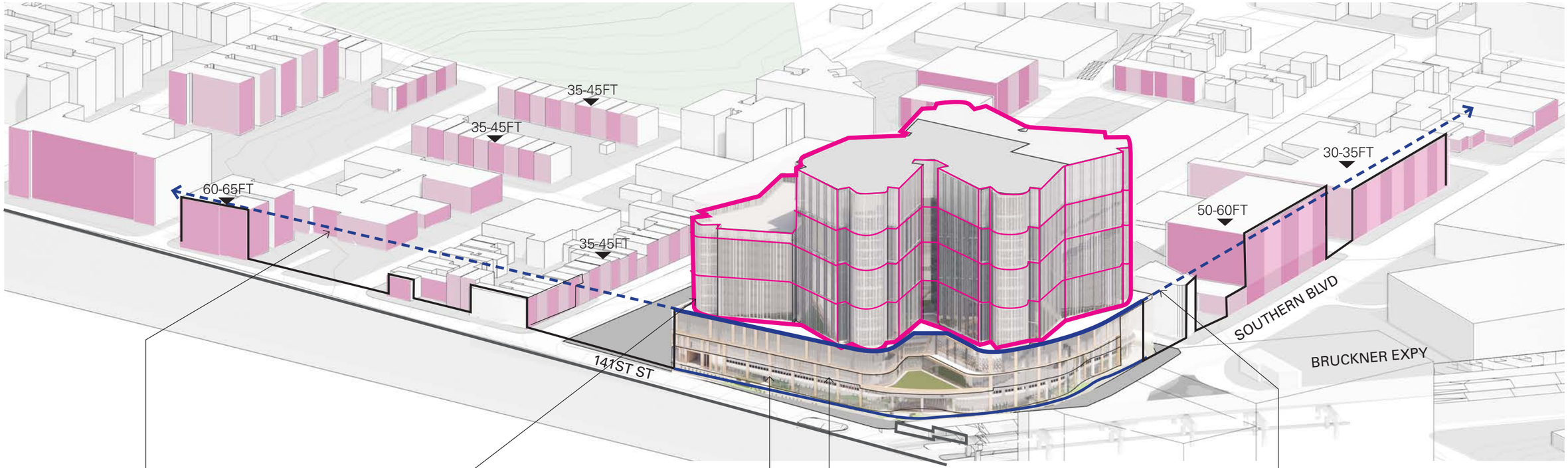
4-LANE MAIN ROAD

EXPRESSWAY

STREET


PERMIT-REQUIRED STREET PARKING
PUBLIC STREET PARKING
CITI BIKE
TREES
TRAIN STATION
PATH OF TRAVEL FROM TRAIN STATION TO SITE
THE BRONX FACILITY
JACKSON AVE
CONCORD AVE
WALES AVE
EAST 142ND STREET
EAST 142ND STREET
EAST 141ST STREET
EAST 140ST STREET
SOUTHERN BLVD
BRUCKNER BLVD
BRUCKNER EXPRESSWAY
MTA
PROJECT NORTH
ADDITIONAL TRAIN STATIONS AND BUS STOPS ON E 138TH STREET


60'-0" ROW
100'-0"
PROPERTY LINE
WALES AVE
EAST 142ND STREET
SOUTHERN BLVD.
MTA LINE
PROPERTY LINE
111'-4"
490'-0" ROW
CONCORD AVE
HPD
PRIVATE RIGHT OF WAY
745 EAST 141ST STREET,
BRONX, NY 10454
BLOCK: 2574 LOT: 2
11 STORIES NEW BUILDING PROPOSED
FULL LOT
ULURP PROJECT BASE ELEVATION
OF 31'-0" NAVD-88
BRUCKNER BLVD.
182'-6"
PROPERTY LINE
84'-11"
PROPERTY LINE
EAST 141ST STREET
100'-0"
PROPERTY LINE
0'
25'
50'
100'
150'
SCALE: 1" = 50'-0"



BASE RELATES TO SCALE OF NEIGHBORHOOD AT 60' TALL

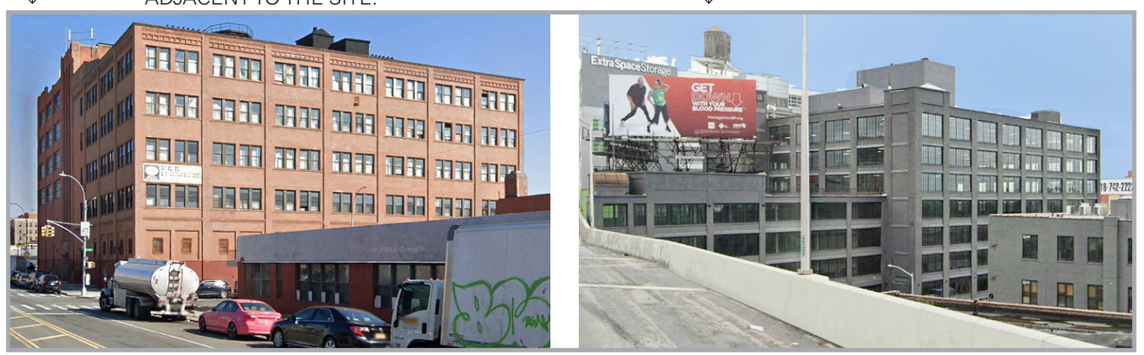
THE TOWER'S FACADE TO RELATE TO THE NEIGHBORING RESIDENTIAL BUILDINGS' FENESTRATION IN SCALE.

TERRACOTTA COLUMN CLADDING RELATES TO NEARBY MASONRY RESIDENTIAL BUILDINGS

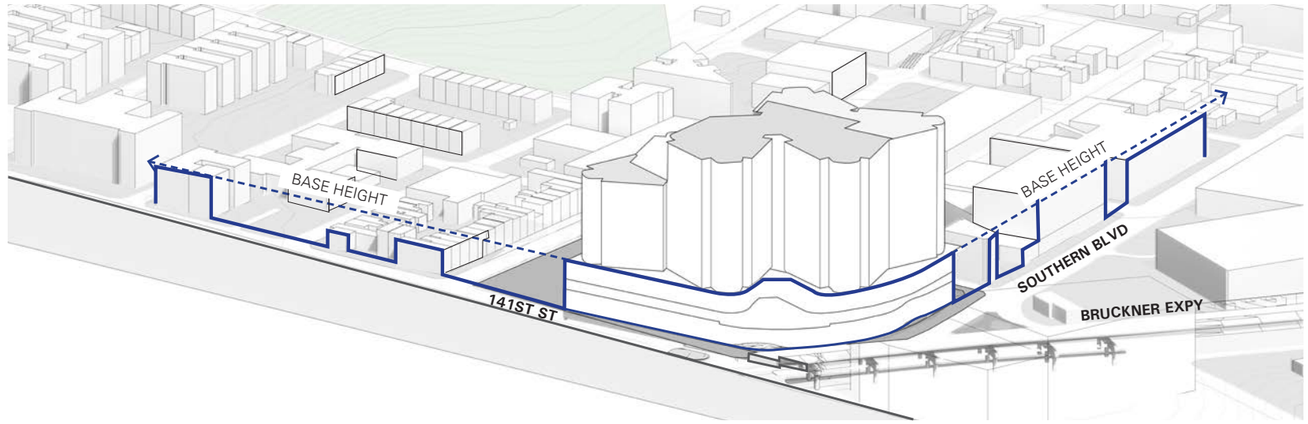
PODIUM GRID EXPRESSION RESONATE WITH THE INDUSTRIAL AND THE RESIDENTIAL BUILDINGS ADJACENT TO THE SITE.

DATUM RELATES TO SCALES OF THE AREA

RESIDENTIAL BUILDINGS ADJACENT TO THE SITE

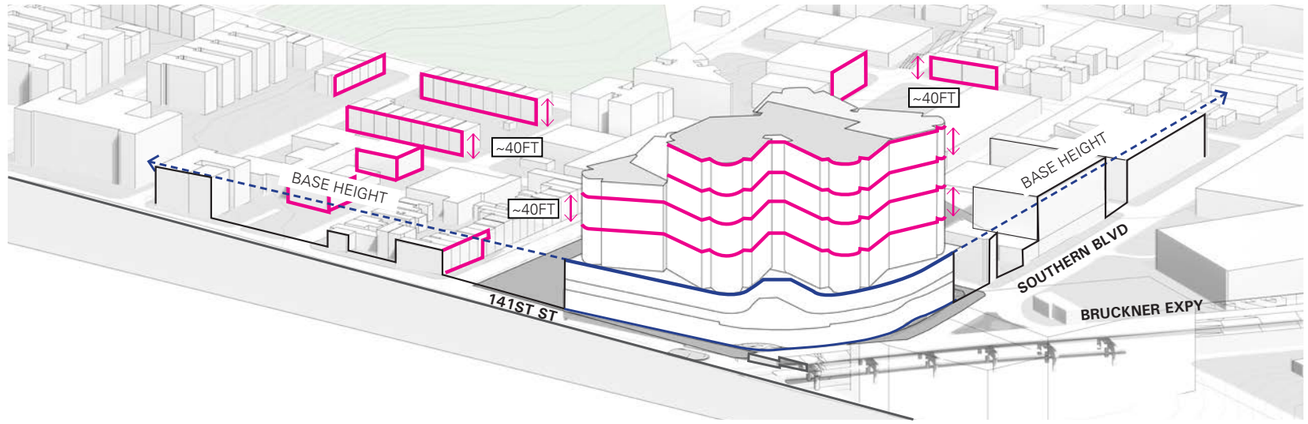


INDUSTRIAL BUILDINGS ADJACENT TO THE SITE



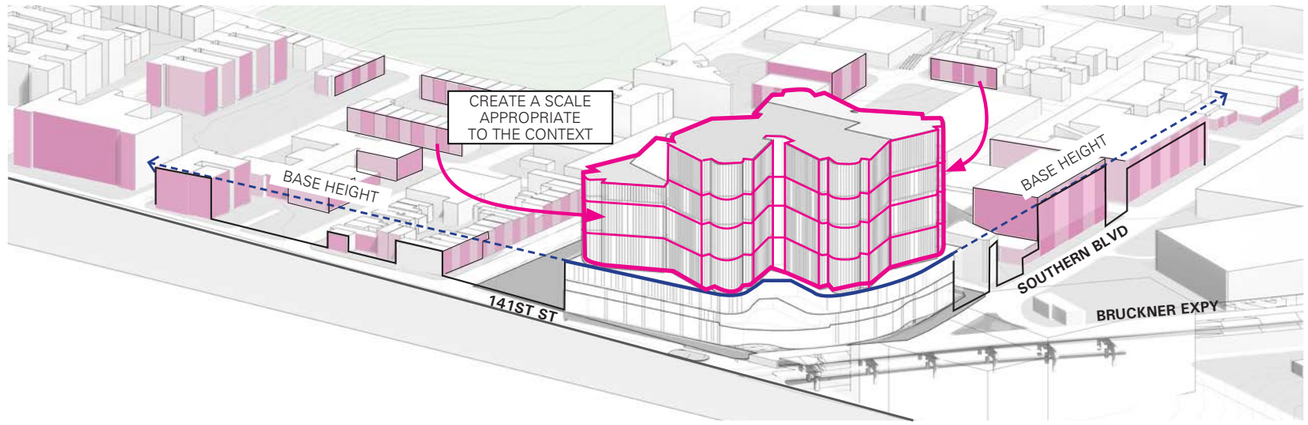
1. ESTABLISHING DATUM

Establishing the datum that reflects the industrial scale of the area. The towers starts from the datum.



2. RELATING HEIGHT

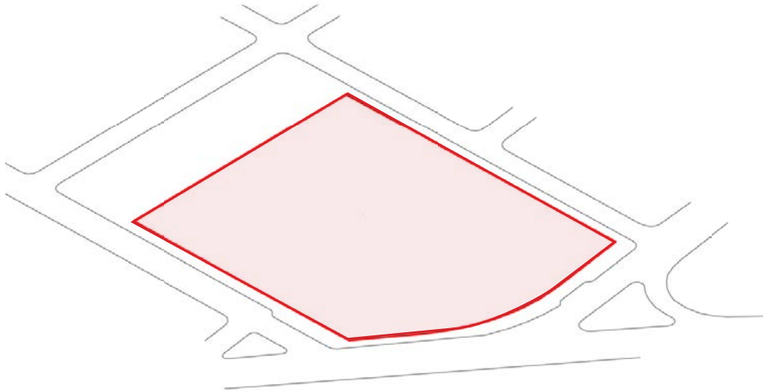
The towers visually breaks down into four pieces through horizontal fins on slab edges, relating to the neighboring residential building height.



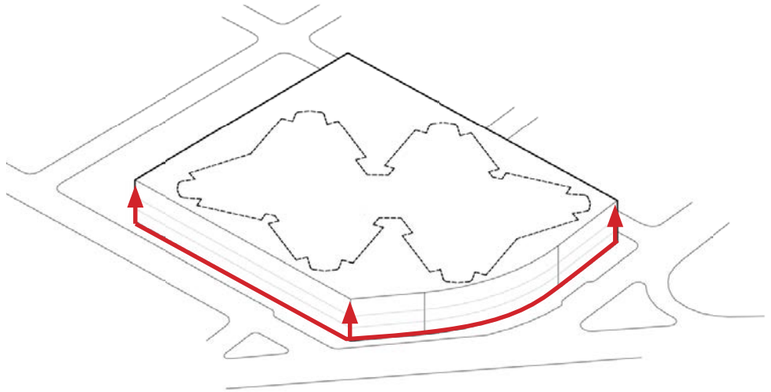
3. SCALING DOWN FENESTRATION

The towers fenestration is designed in a way that it doesn't feel repetitive but still able to relate to the adjacent residential building in scale.

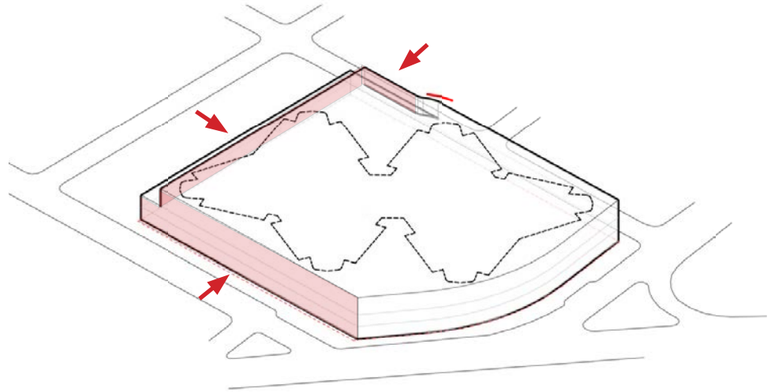
MASSING CONCEPT



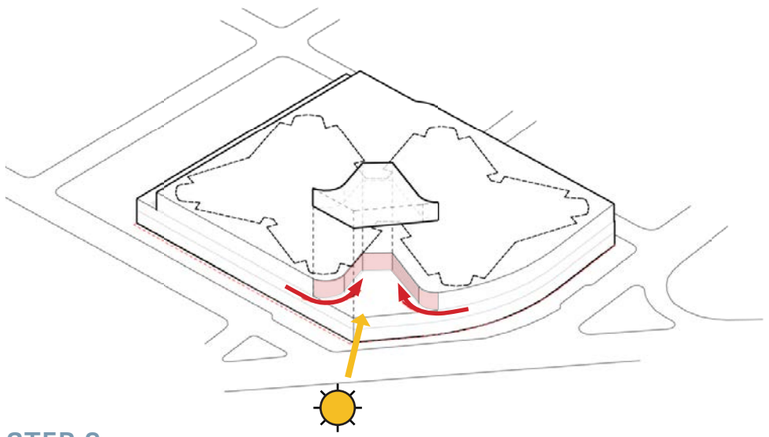
GIVEN: SITE BOUNDARY
A blend of curvilinear and rectilinear lines



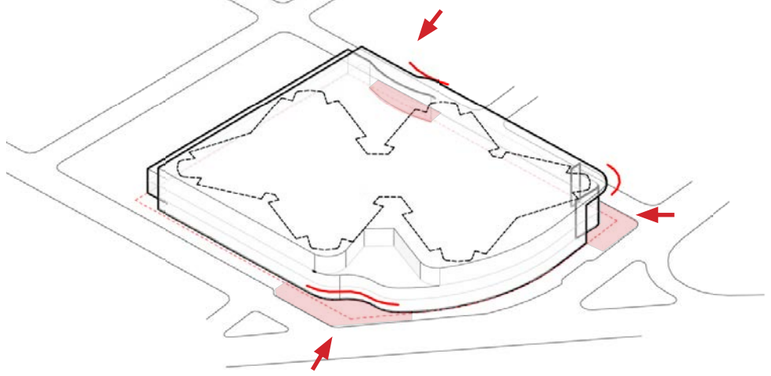
STEP 1
Maximum use of the site to minimize height



STEP 2
Creating set backs

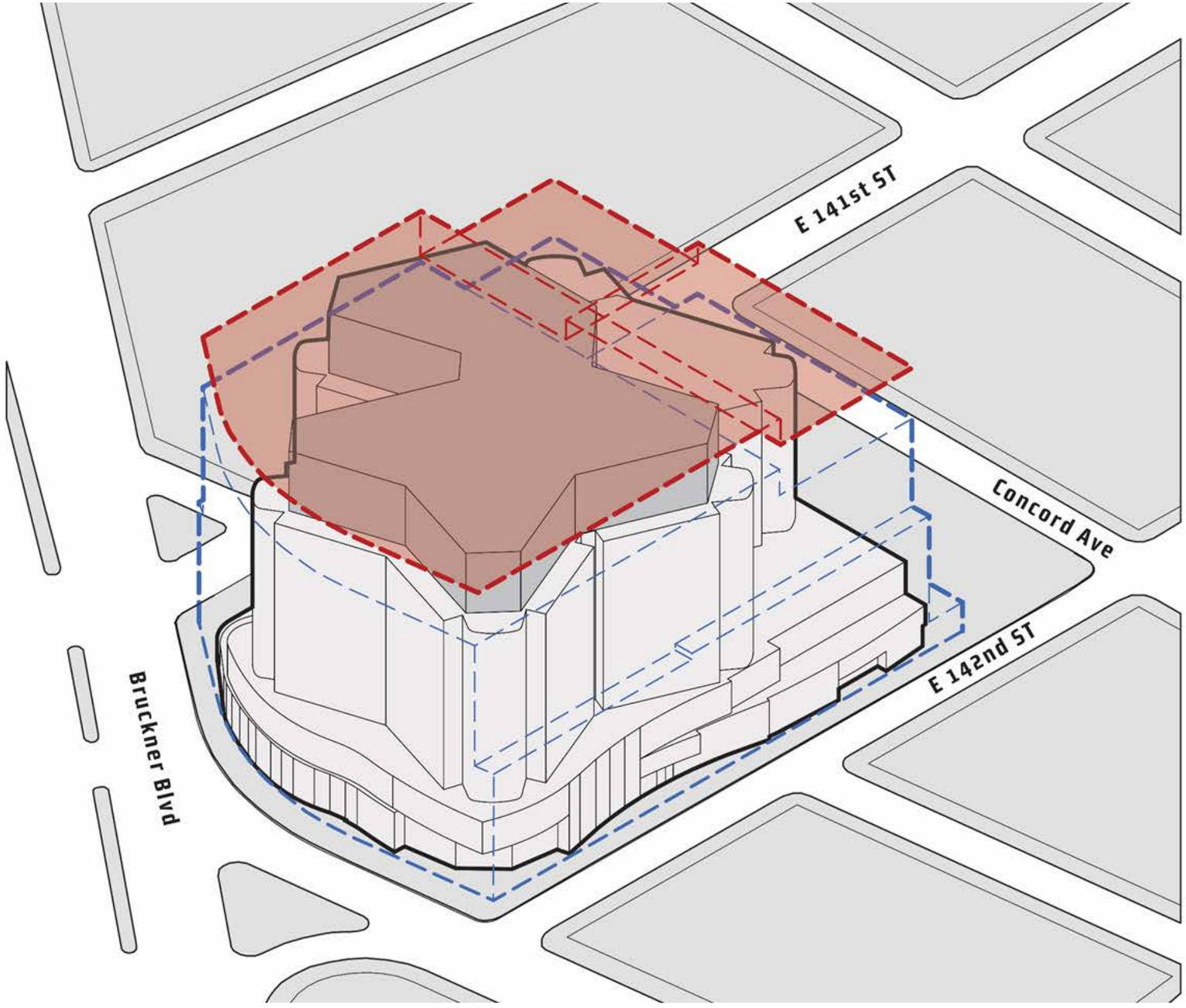


STEP 3
Creating further daylight opportunities



STEP 4
Creating arrival areas

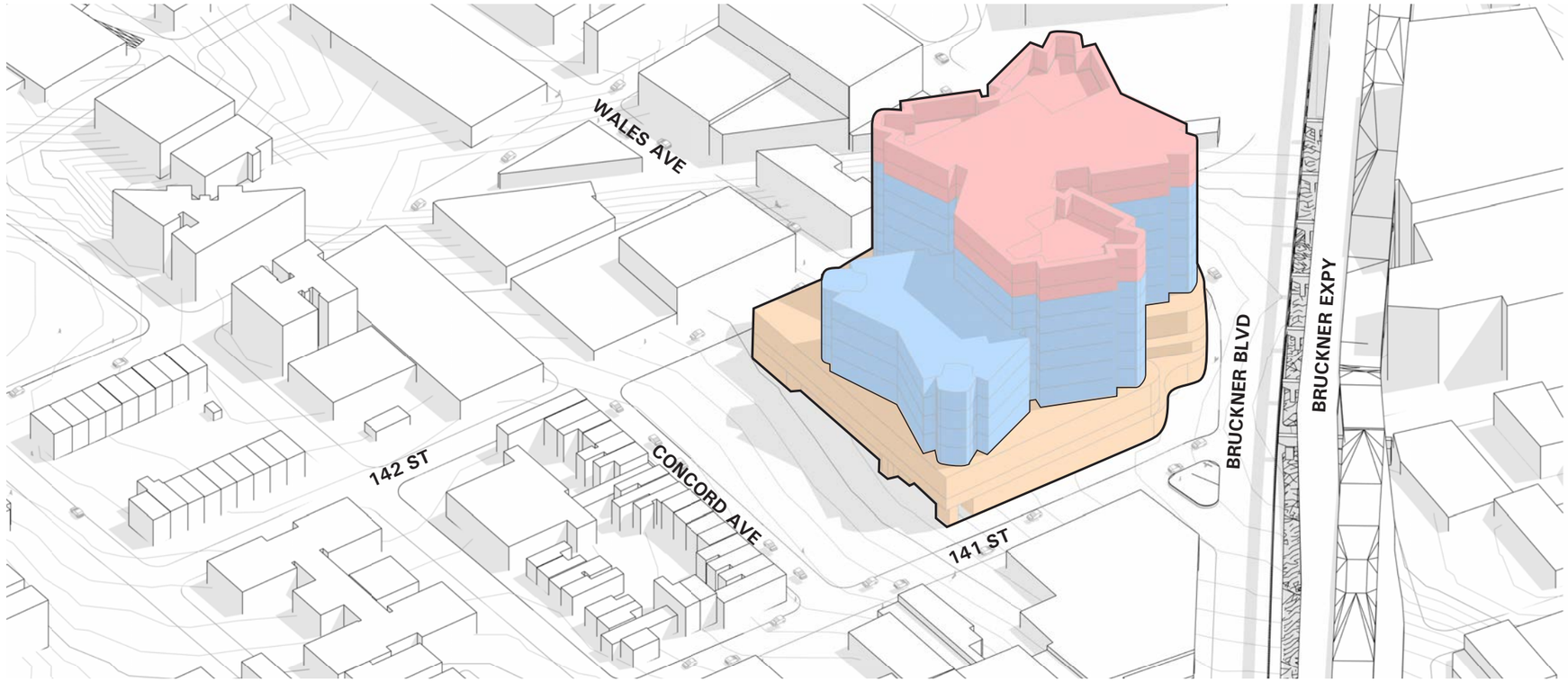
STEP 5
Creating further landscape opportunities

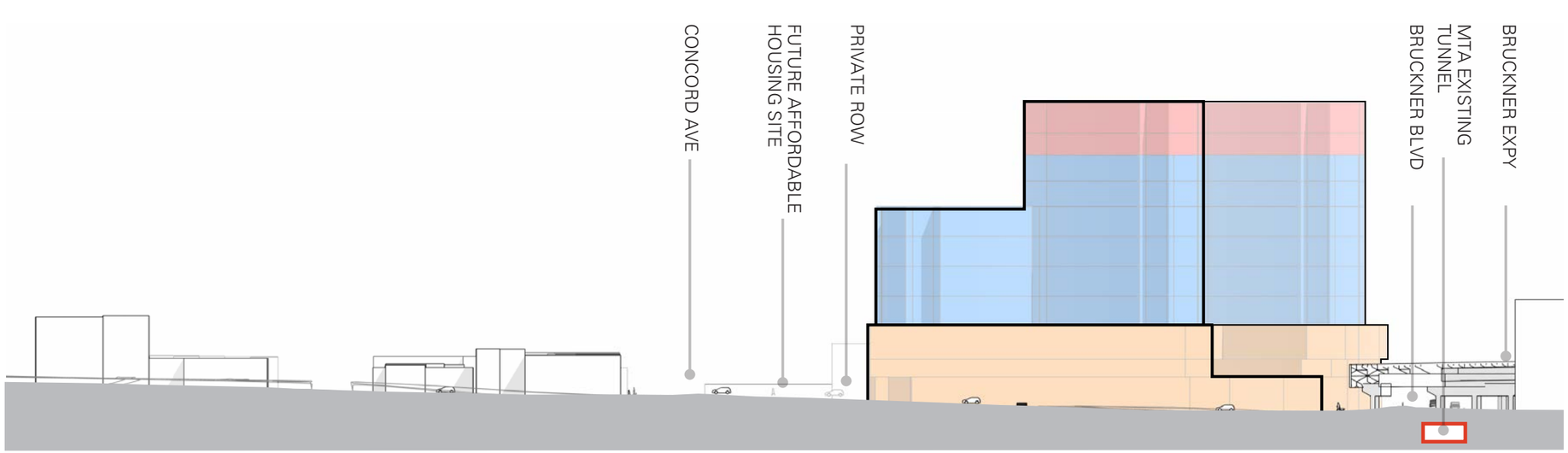


LEGEND

MAXIMUM BUILDING ENVELOPE

MAXIMUM MECHANICAL ENVELOPE





LEGEND

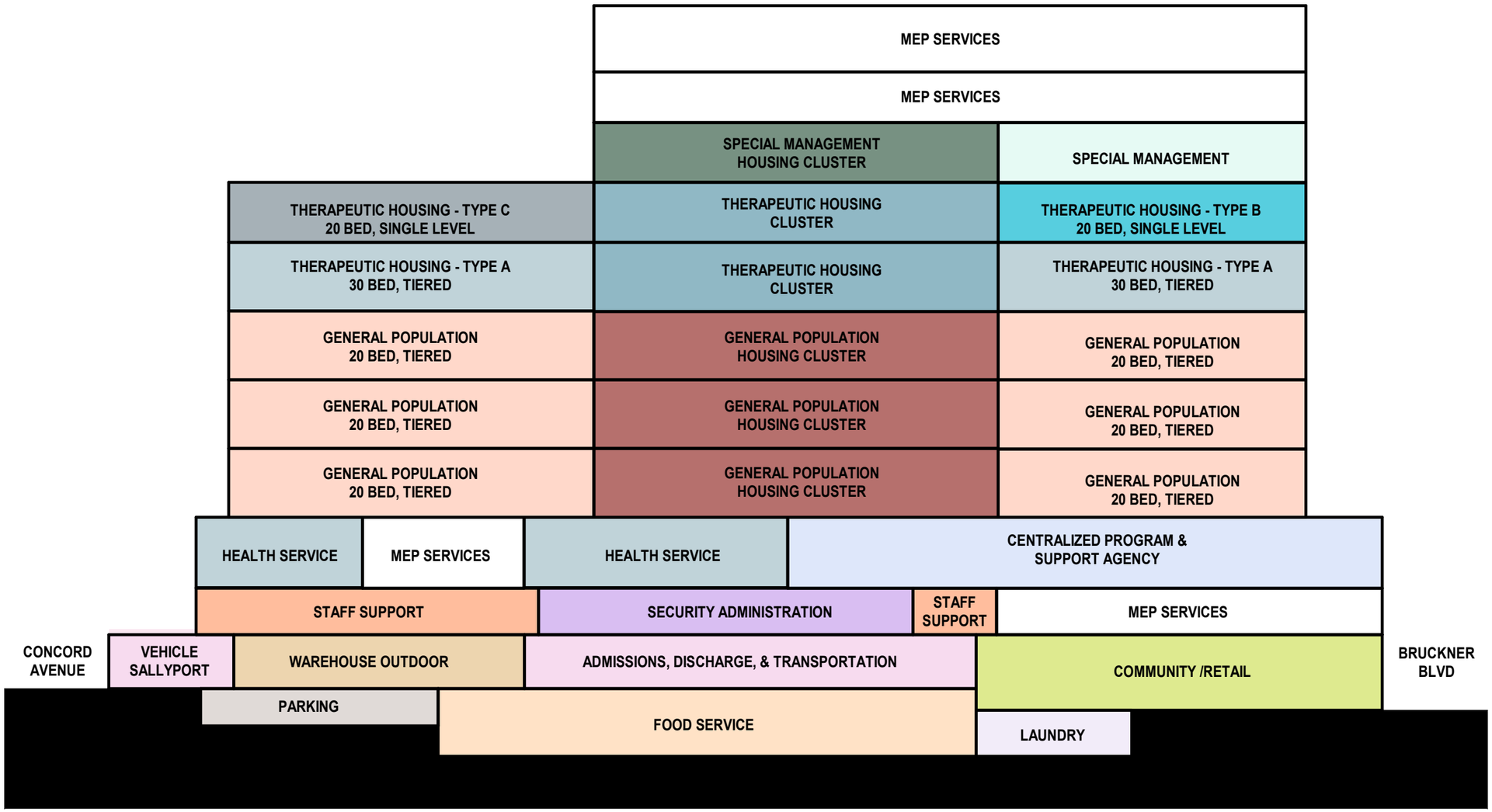
- Core/Mechanical
- Housing
- Base

Our overall massing strategy aims to be equally responsive to the neighborhood. By gradually stepping from West to East, the building minimizes height and massing toward the low-rise residential area on the Concord Avenue side of the site and maximizes height and massing toward the large elevated Bruckner Expressway and taller industrial buildings of Port Morris. The steps create opportunities for sustainably planted roof terraces and photovoltaic panels.

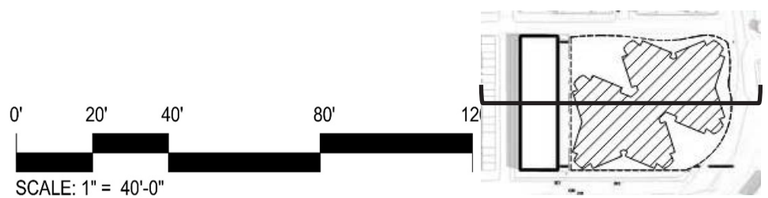
N

INTERIOR DIAGRAMS

LEVEL	NUMBER OF BEDS
11	0
10	0
9	62
8	80
7	180
6	240
5	240
4	240
3	
2	
1	
CELLAR	



EACH FLOOR HEIGHT	LEVEL HEIGHT
22'-6"	240'-4"
17'-2"	223'-2"
20'-4"	202'-10"
23'-4"	182'-6"
23'-4"	159'-2"
23'-4"	135'-10"
23'-4"	112'-6"
23'-4"	89'-2"
23'-11"	65'-3"
23'-11"	49'-3"
18'-3"	31'-0"
19'-8"	11'-4"



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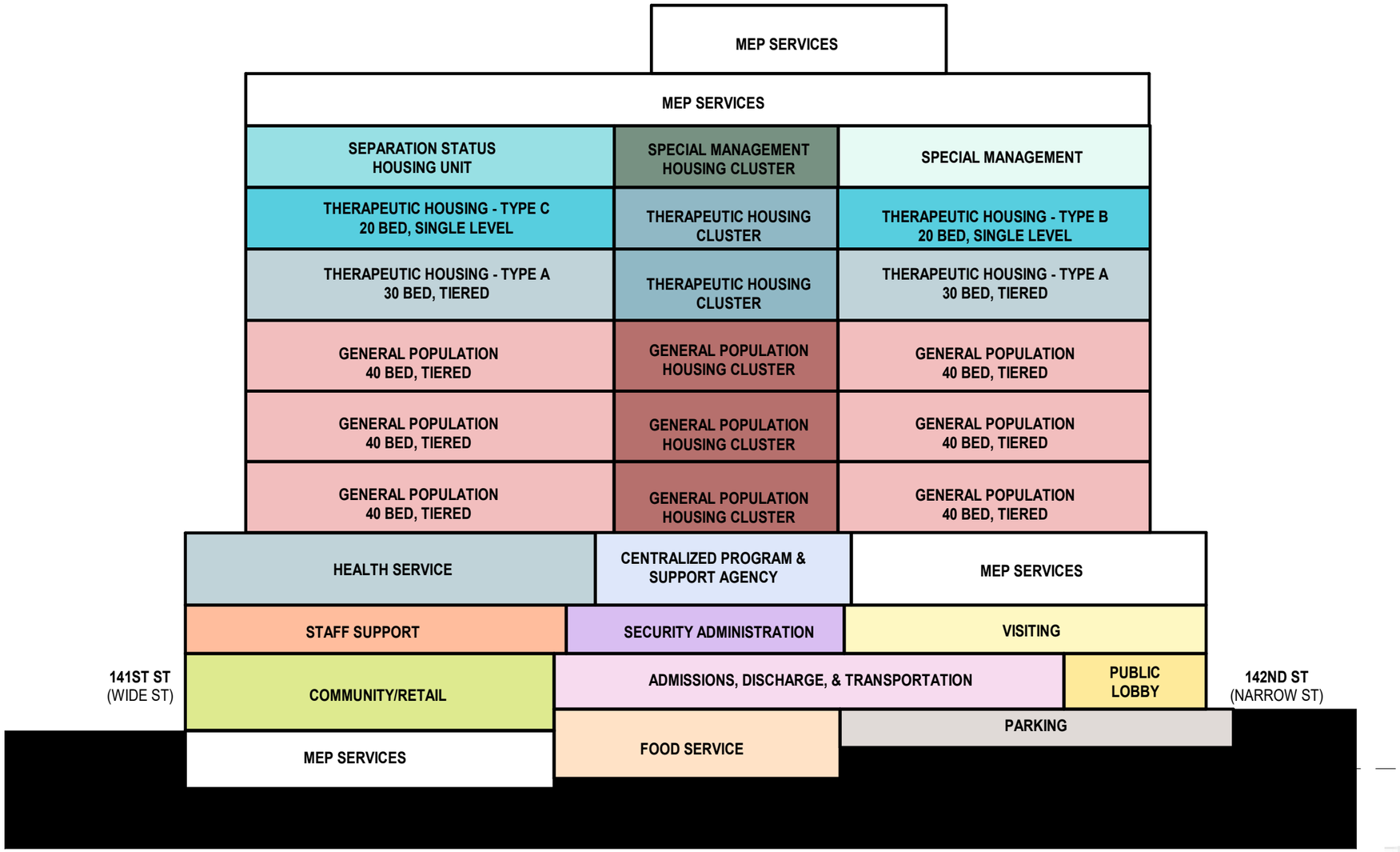

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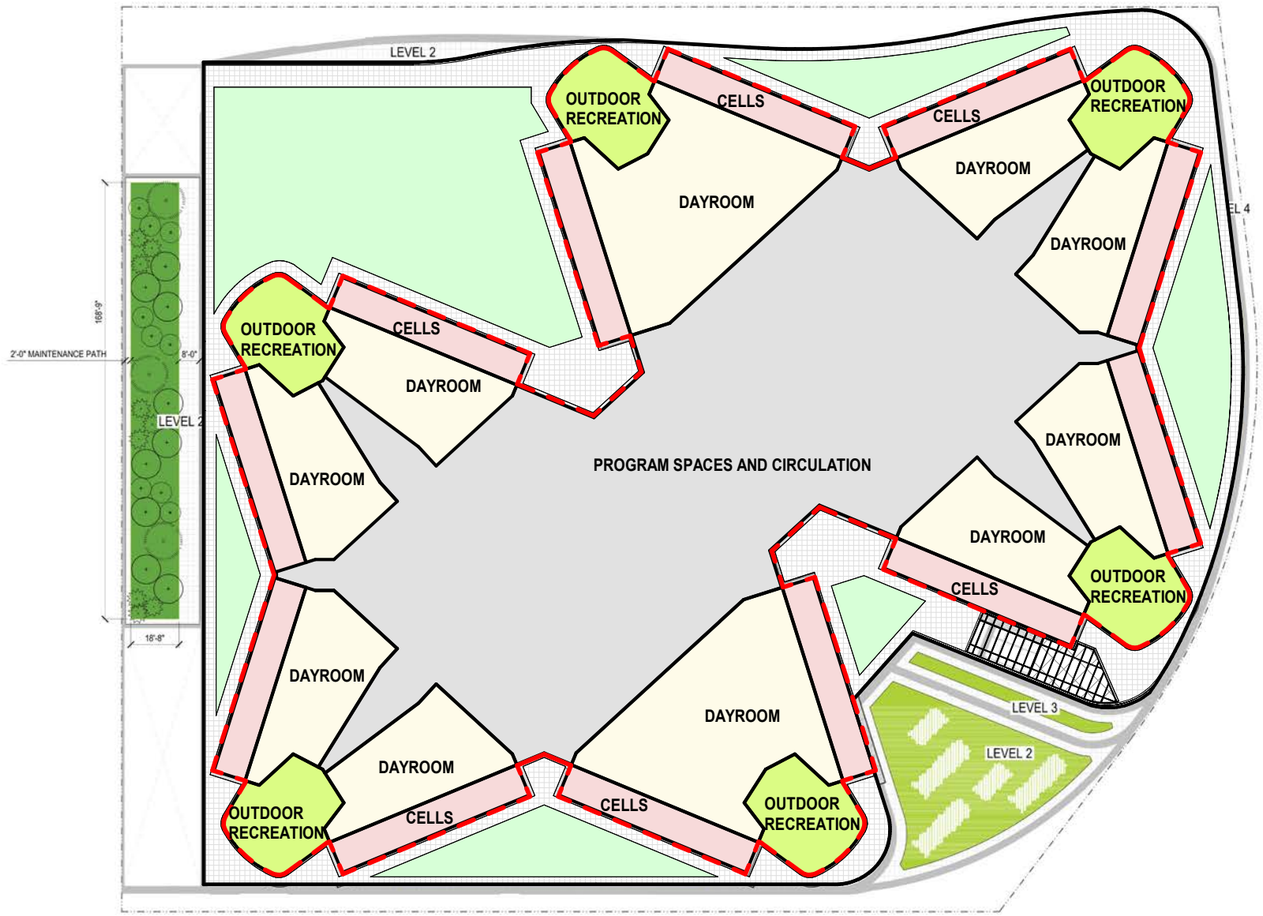
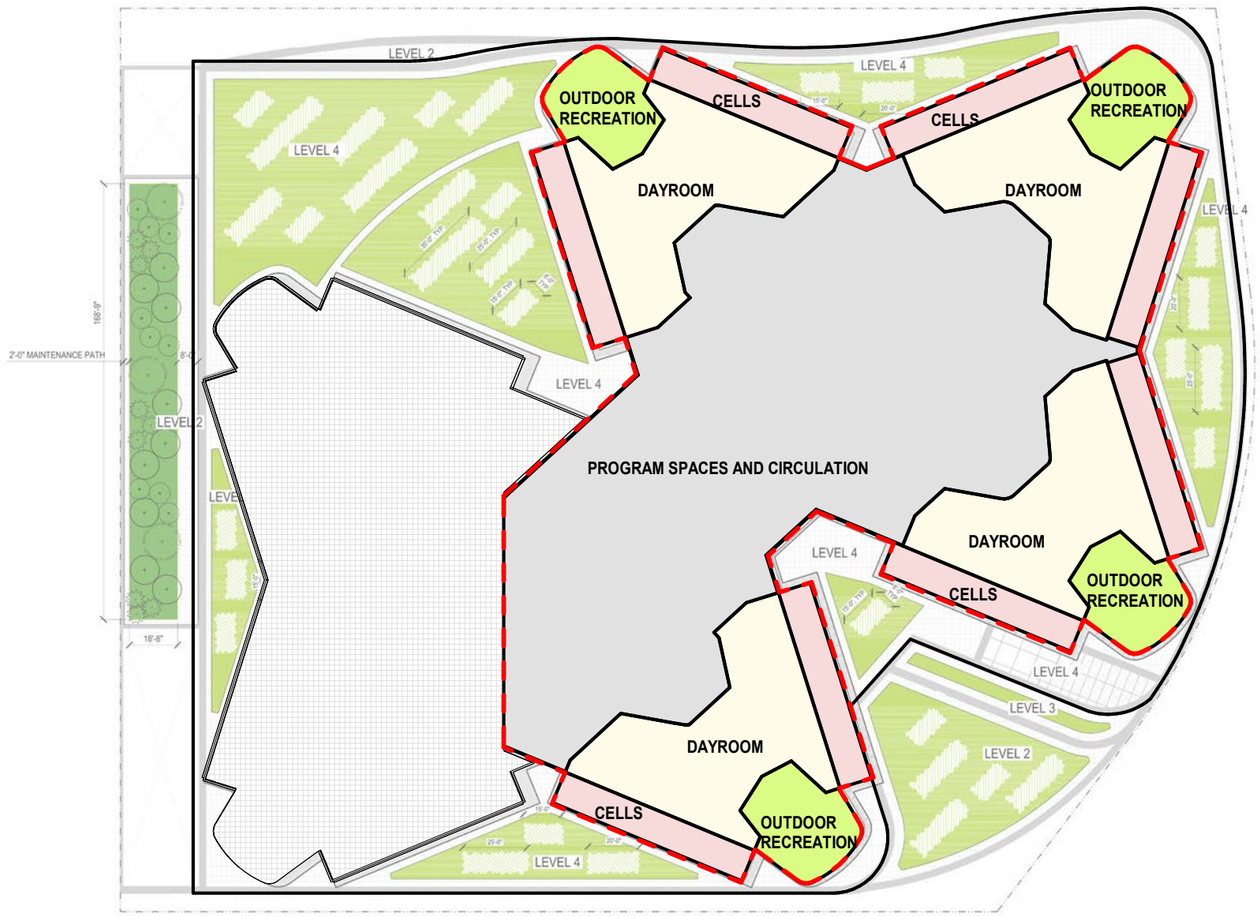
WALES AVE
E 142ND STREET
SOUTHERN BOULEVARD
LARGE VEHICLE EXIT
STAFF LOBBY ENTRY
PUBLIC LOBBY ENTRY
STAFF LOBBY
5410 SF
PUBLIC LOBBY
16150 SF
CONCORD AVE
FUTURE HOUSING
COMMUNITY AND RETAIL
40833 SF
VEHICULAR ENTRY
COMMUNITY AND RETAIL ENTRY
LOADING / SALLYPORT ENTRY
BRUCKNER EXPRESSWAY OVERHANG
E 141ST STREET
BRUCKNER BOULEVARD
WALES AVE



0' 25' 50' 100' 150'

SCALE: 1" = 50'-0"



0' 25' 50' 100' 150'

SCALE: 1" = 50'-0"

BUILDING RENDERINGS

A long view of the Bronx Jail Facility reveals how the careful planning and massing of the facility fits the residential context of the East Mott Haven neighborhood. The mass of the building clearly engages the edge condition created by the Bruckner Expressway and compliments the larger scape buildings of the Port Morris neighbor-hood and Hunts Point beyond . The Bronx Jail Facility is a building of the Bronx and leaves Rikers Island and the VCBC barge behind and is the start of Transformative Justice in the Bronx .

Department of Design and Construction
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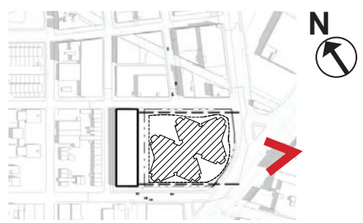
LUMEN QRP

BOROUGH-BASED JAIL - THE BRONX FACILITY
CONCEPTUAL REVIEW
April 28th, 2025

SITE RENDERING

Scale: NTS

AERIAL VIEW FROM SOUTHEAST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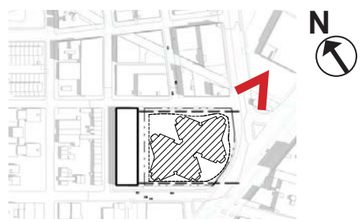

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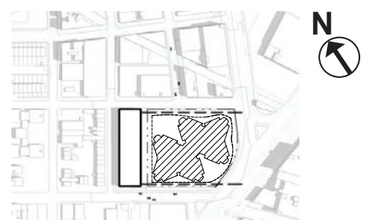
URBAHN CETRARUDDY LUMEN QRP

BOROUGH-BASED JAIL - THE BRONX FACILITY
CONCEPTUAL REVIEW
April 28th, 2025

RENDERING

Scale: NTS

VIEW FROM SOUTHERN BOULEVARD
- E 142ND ST PUBLIC ENTRANCE



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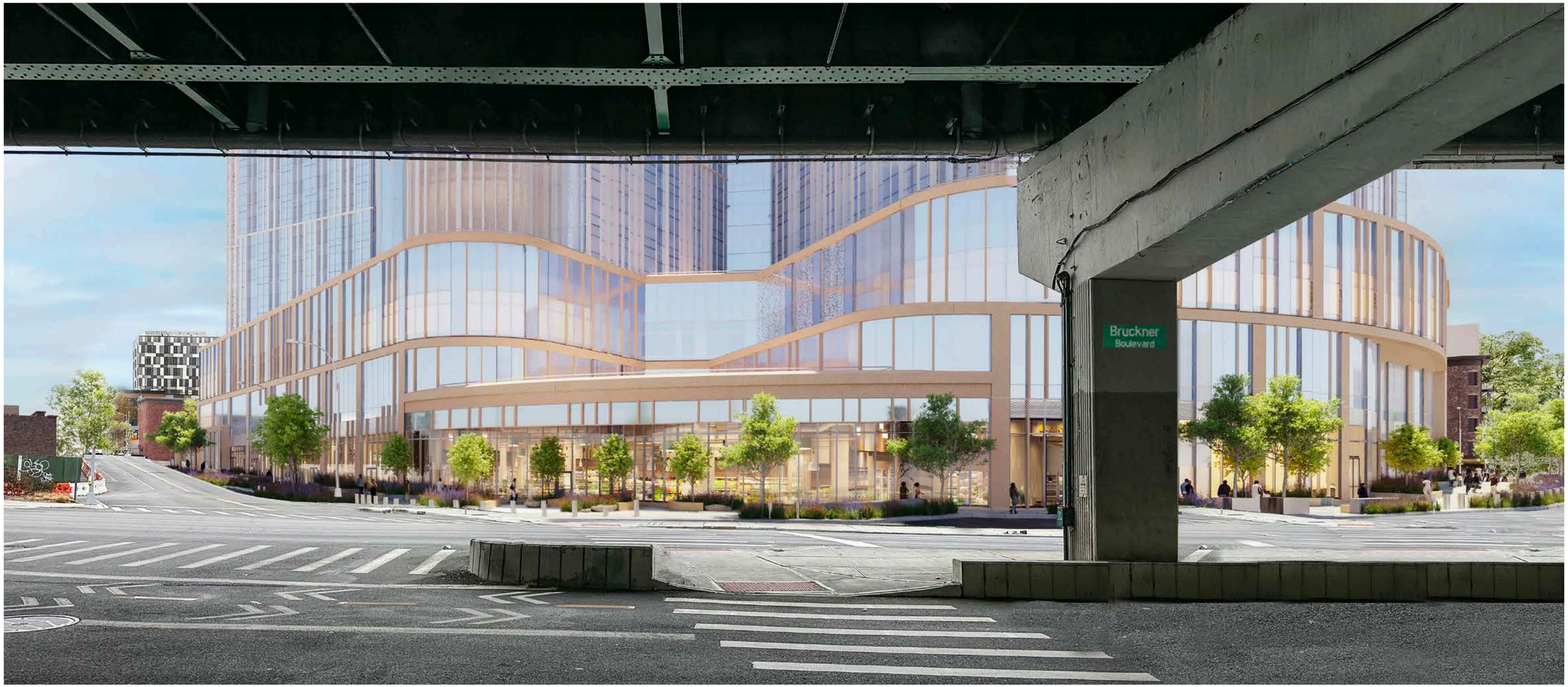
LUMEN QRP

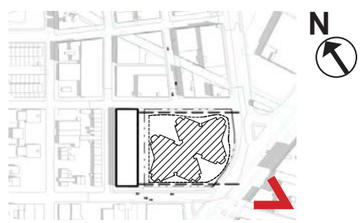
BOROUGH-BASED JAIL - THE BRONX FACILITY
CONCEPTUAL REVIEW
April 28th, 2025

RENDERING

Scale: NTS

VIEW FROM E 141ST STREET
- COMMUNITY / RETAIL


Bruckner
Boulevard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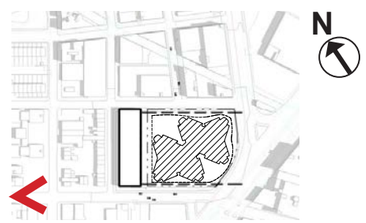
Jackson Ave
E 141st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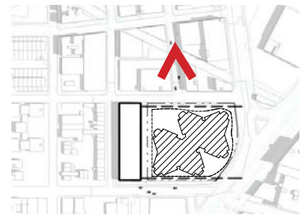
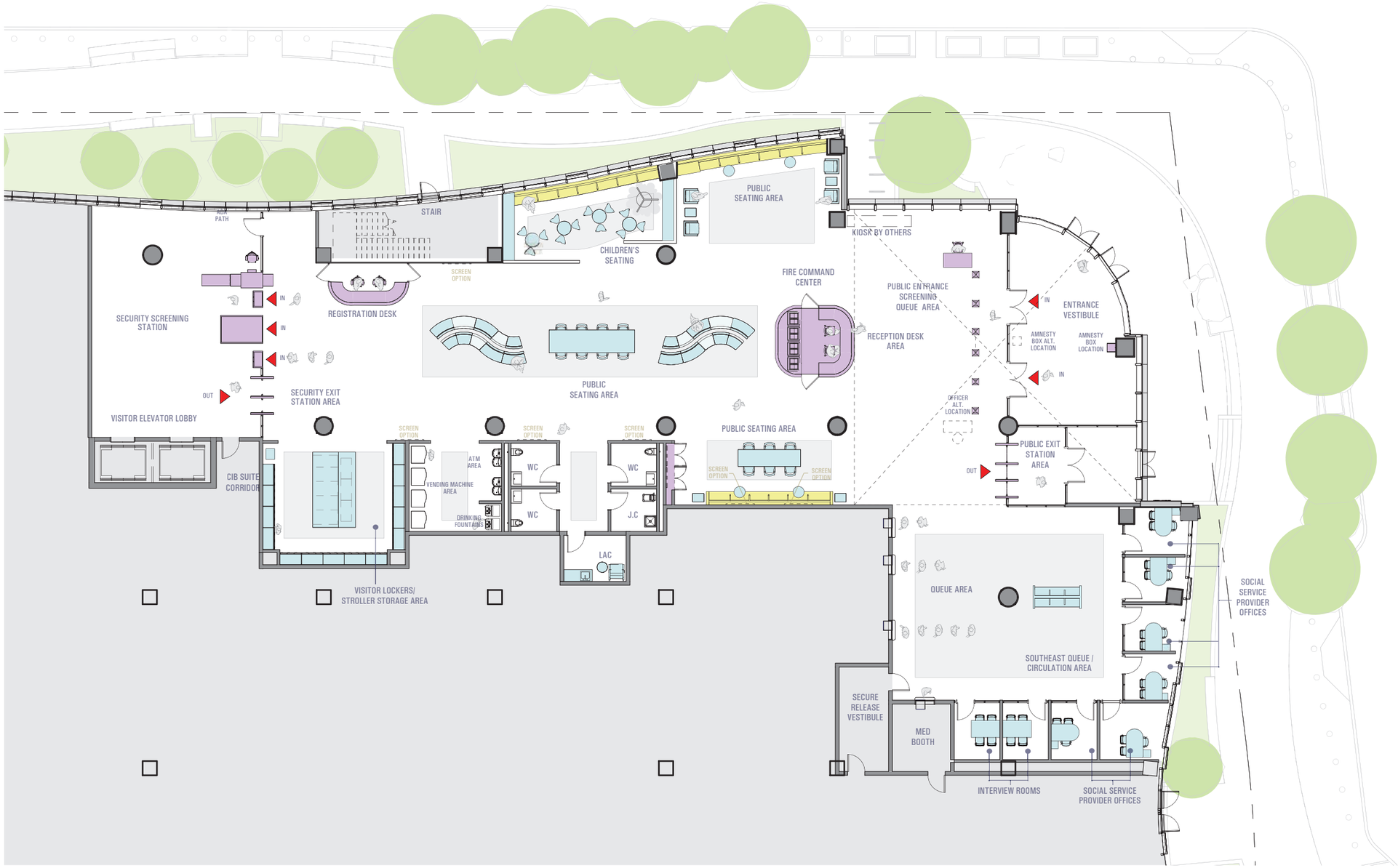
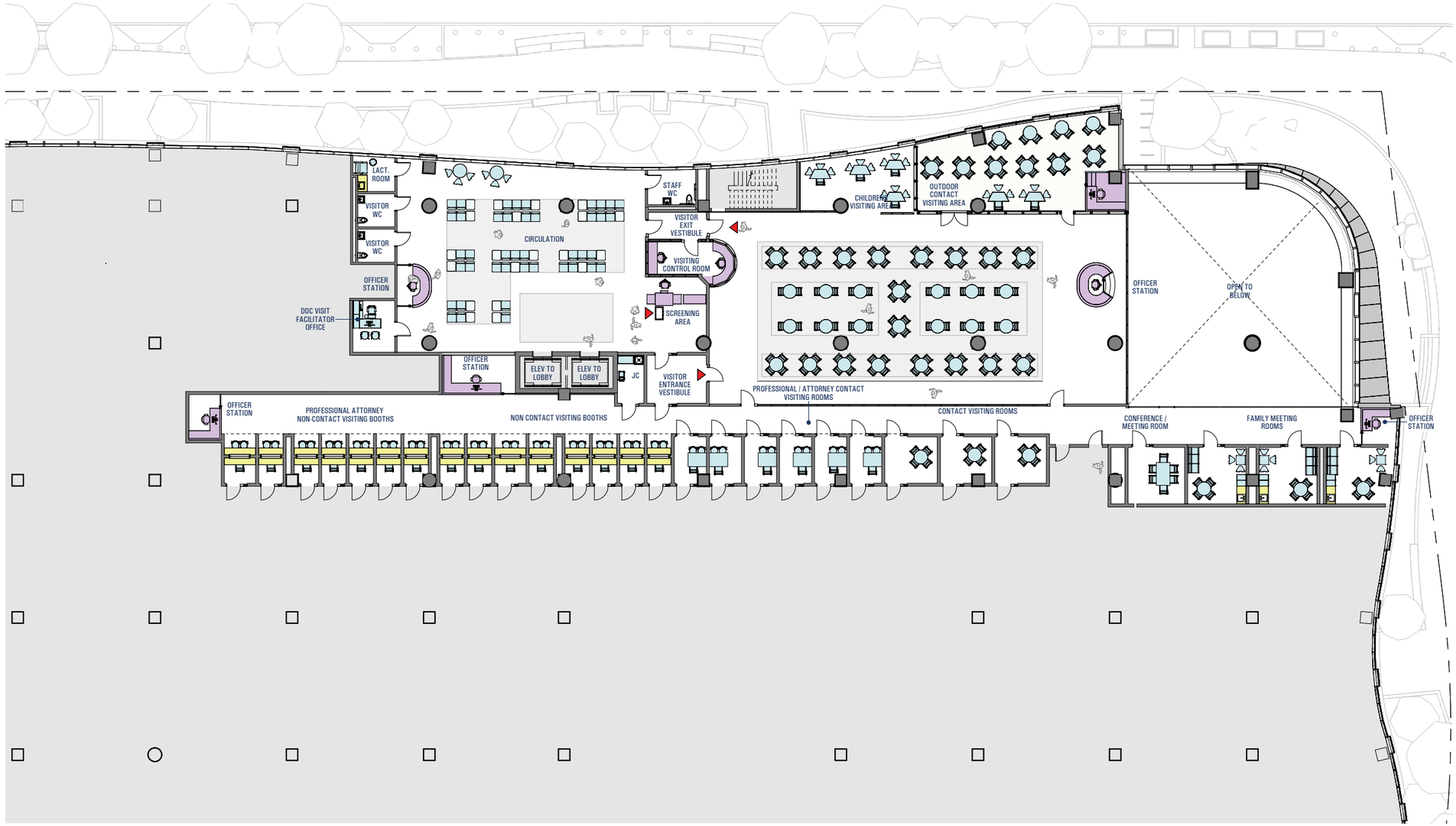
St Marys St
E 143 St
ONE WAY
Public Storage RENTAL OFFICE
LOADING
U-HAUL
STOP

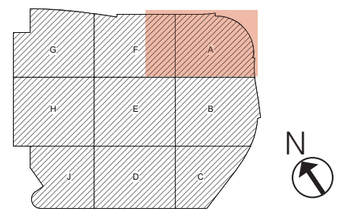

N


N

INTERIOR SPACES


RAMP PATH
STAIR
SCREEN OPTION
REGISTRATION DESK
CHILDREN'S SEATING
PUBLIC SEATING AREA
KIOSK BY OTHERS
FIRE COMMAND CENTER
PUBLIC ENTRANCE SCREENING QUEUE AREA
ENTRANCE VESTIBULE
AMNESTY BOX ALT. LOCATION
AMNESTY BOX LOCATION
RECEPTION DESK AREA
SECURITY SCREENING STATION
IN
OUT
SECURITY EXIT STATION AREA
VISITOR ELEVATOR LOBBY
OFFICER ALT. LOCATION
PUBLIC EXIT STATION AREA
CIB SUITE CORRIDOR
ATM AREA
VENDING MACHINE AREA
DRINKING FOUNTAINS
WC
J.C
LAC
VISITOR LOCKERS/ STROLLER STORAGE AREA
QUEUE AREA
SOUTHEAST QUEUE / CIRCULATION AREA
SOCIAL SERVICE PROVIDER OFFICES
SECURE RELEASE VESTIBULE
MED BOOTH
INTERVIEW ROOMS
G
F
A
H
E
B
J
D
C
N


LACT. ROOM
VISITOR WC
VISITOR WC
OFFICER STATION
DOC VISIT FACILITATOR OFFICE
CIRCULATION
STAFF WC
VISITOR EXIT VESTIBULE
VISITING CONTROL ROOM
SCREENING AREA
CHILDREN'S VISITING AREA
OUTDOOR CONTACT VISITING AREA
OFFICER STATION
OPEN TO BELOW
OFFICER STATION
ELEV TO LOBBY
ELEV TO LOBBY
JC
VISITOR ENTRANCE VESTIBULE
PROFESSIONAL / ATTORNEY CONTACT VISITING ROOMS
CONTACT VISITING ROOMS
OFFICER STATION
PROFESSIONAL ATTORNEY NON-CONTACT VISITING BOOTHS
NON CONTACT VISITING BOOTHS
CONFERENCE / MEETING ROOM
FAMILY MEETING ROOMS
OFFICER STATION


G
F
A
H
E
B
J
D
C
N

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URBAHN
CETRARUDDY
LUMEN
QRP

BOROUGH-BASED JAIL - THE BRONX FACILITY
CONCEPTUAL REVIEW
April 28th, 2025

INTERIOR SPACES

Scale: NTS

PUBLIC LOBBY
- VIEW LOOKING WEST

N

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LUMEN QRP

BOROUGH-BASED JAIL - THE BRONX FACILITY
CONCEPTUAL REVIEW
April 28th, 2025

INTERIOR SPACES

Scale: NTS

PUBLIC LOBBY
- VIEW LOOKING SOUTH

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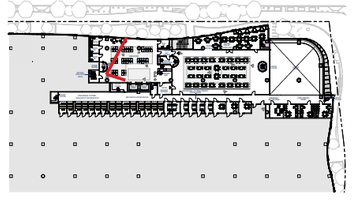
BOROUGH-BASED JAIL - THE BRONX FACILITY
CONCEPTUAL REVIEW
April 28th, 2025

INTERIOR SPACES

Scale: NTS

PUBLIC LOBBY
- VIEW LOOKING SOUTH EAST



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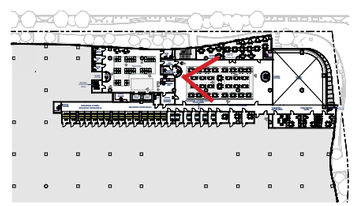
LUMEN QRP

BOROUGH-BASED JAIL - THE BRONX FACILITY
CONCEPTUAL REVIEW
April 28th, 2025

INTERIOR SPACES

Scale: NTS

VISITING WAITING AREA



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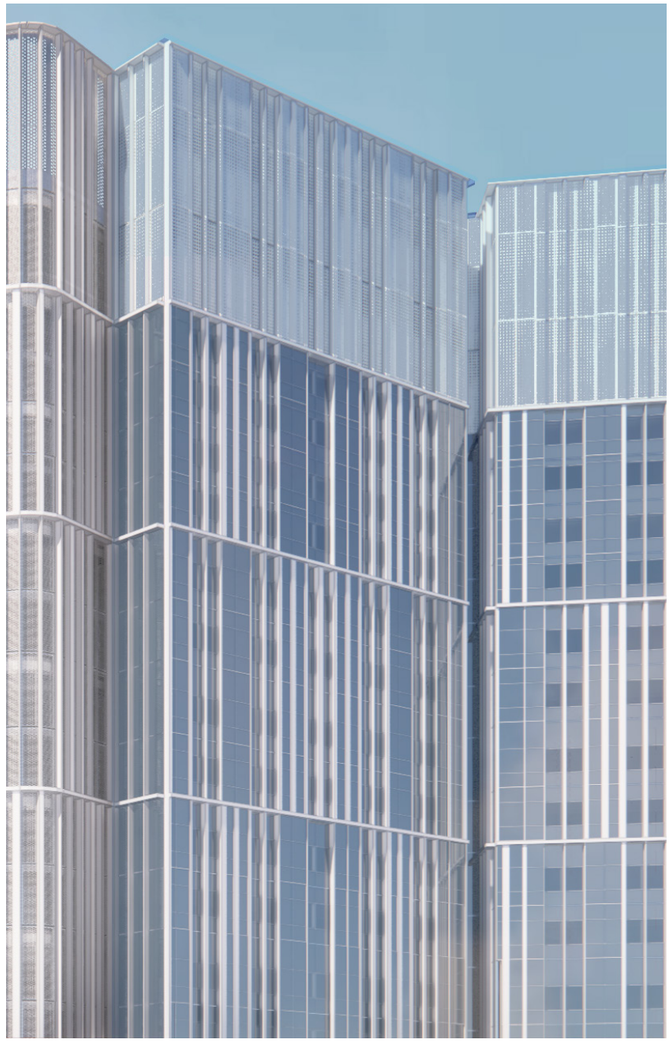
BOROUGH-BASED JAIL - THE BRONX FACILITY
CONCEPTUAL REVIEW
April 28th, 2025

INTERIOR SPACES

Scale: NTS

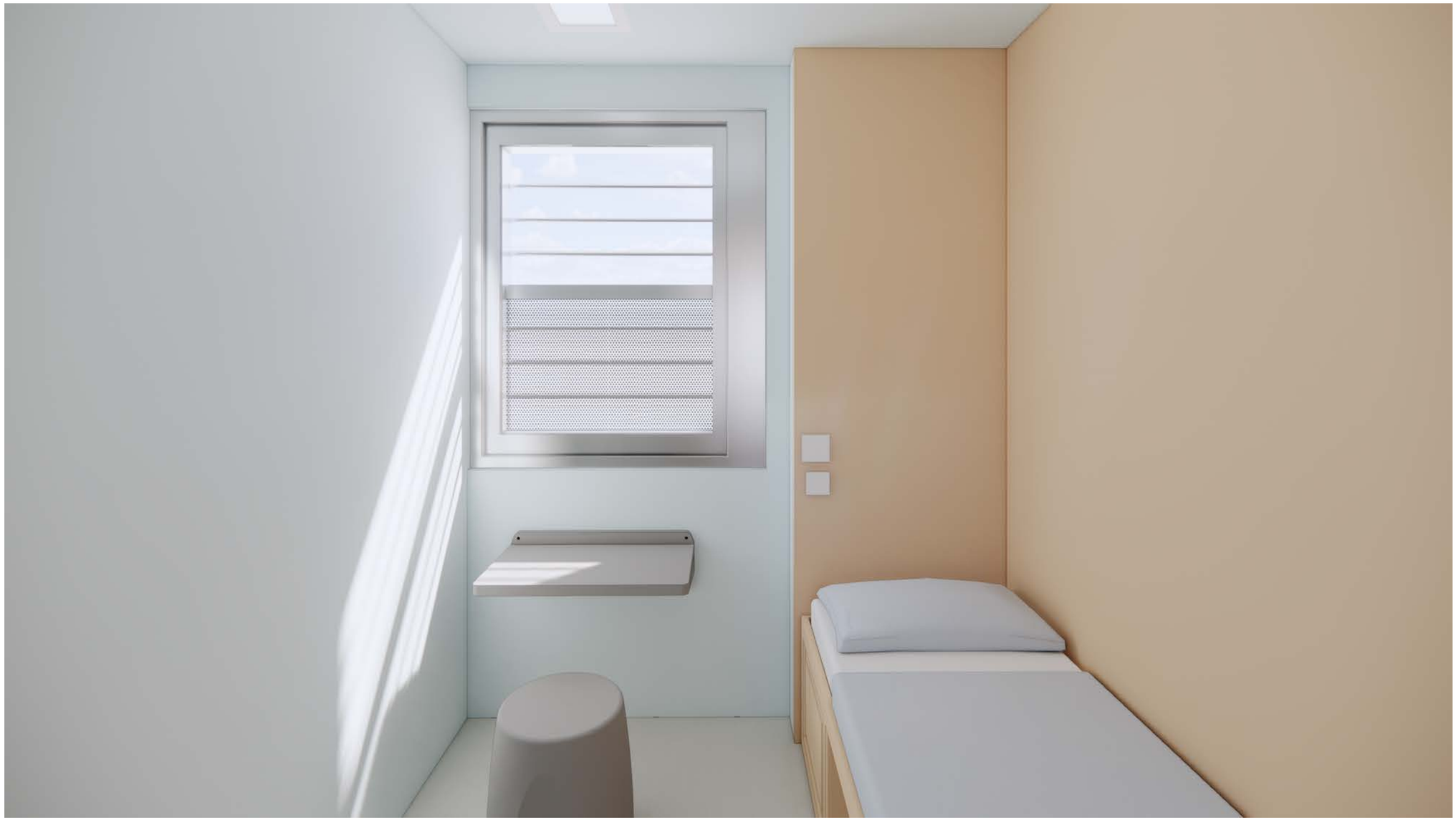
CONTACT VISITING AREA



VIEW FROM OUTSIDE

VIEW FROM INSIDE THE CELL

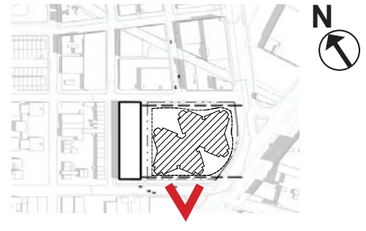
VIEW AT AN ANGLE FROM INSIDE THE CELL



FAÇADE DESIGN


FUTURE
AFFORDABLE
HOUSING
PRIVATE ALLEY
BRUCKNER BLVD
LEVEL 12 - ROOF
262' - 10"
LEVEL 11 - BULKHEAD
240' - 4"
LEVEL 10 - BULKHEAD
223' - 2"
LEVEL 09
202' - 10"
LEVEL 08
182' - 6"
LEVEL 07 - TIER
169' - 8"
LEVEL 07
159' - 2"
LEVEL 06 - TIER
146' - 4"
LEVEL 06
135' - 10"
LEVEL 05 - TIER
123' - 0"
LEVEL 05
112' - 6"
LEVEL 04 - TIER
99' - 8"
TOP OF PARAPET
92' - 0"
LEVEL 04
89' - 2"
LEVEL 03
65' - 3"
LEVEL 02
49' - 3"
LEVEL 01 LOBBY
26' - 6"
22' - 6"
17' - 2"
20' - 4"
20' - 4"
23' - 4"
12' - 10"
10' - 6"
12' - 10"
23' - 4"
10' - 6"
12' - 10"
23' - 4"
10' - 6"
12' - 10"
10' - 6"
23' - 4"
23' - 11"
16' - 0"
20' - 9"


0'
20'
40'
80'
120'
SCALE: 1" = 40'-0"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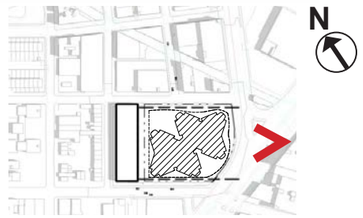
0' 20' 40' 80' 120'

SCALE: 1" = 40'-0"



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URBAHN CETRARUDDY LUMEN QRP

BOROUGH-BASED JAIL - THE BRONX FACILITY
CONCEPTUAL REVIEW
April 28th, 2025

ELEVATION

Scale: 1” = 40’-0”

EAST ELEVATION


SOUTHERN BLVD
PRIVATE ALLEY
BRUCKNER EXPRESSWAY
LEVEL 12 - ROOF
262' - 10"
LEVEL 11 - BULKHEAD
240' - 4"
LEVEL 10 - BULKHEAD
223' - 2"
LEVEL 09
202' - 10"
LEVEL 08
182' - 6"
LEVEL 07 - TIER
169' - 8"
LEVEL 07
159' - 2"
LEVEL 06 - TIER
146' - 4"
LEVEL 06
135' - 10"
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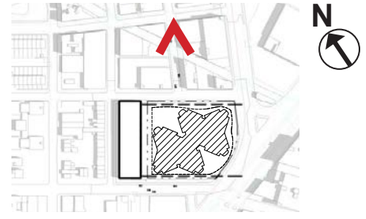
123' - 0"
LEVEL 05
112' - 6"
LEVEL 04 - TIER
99' - 8"
TOP OF PARAPET
92' - 0"
LEVEL 04
89' - 2"
LEVEL 03
65' - 3"
LEVEL 02
49' - 3"
LEVEL 01 LOBBY
28' - 6"
22' - 6"
17' - 2"
20' - 4"
20' - 4"
23' - 4"
12' - 10"
10' - 6"
12' - 10"
10' - 6"
23' - 4"
12' - 10"
10' - 6"
23' - 4"
12' - 10"
10' - 6"
23' - 4"
23' - 11"
16' - 0"
20' - 9"


0'
20'
40'
80'
120'
SCALE: 1" = 40'-0"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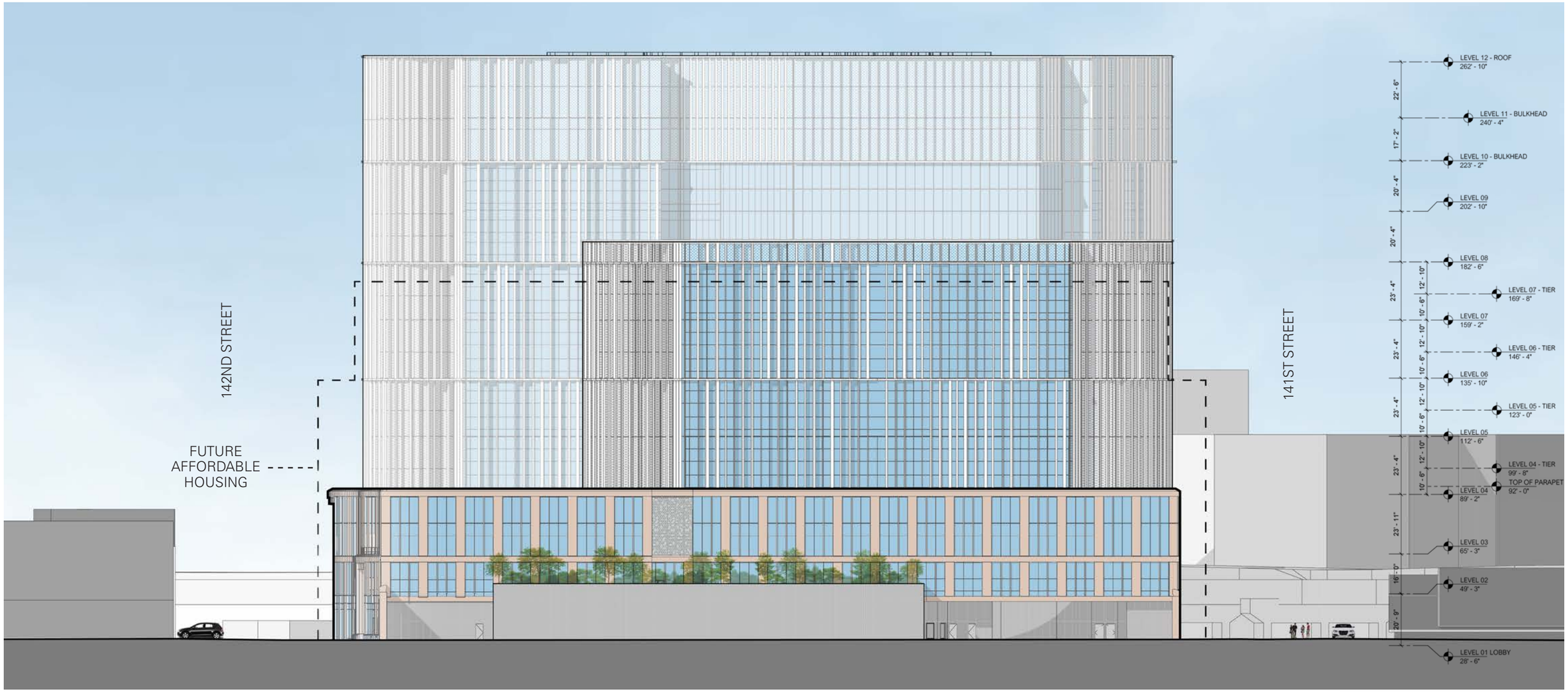
142ND STREET
FUTURE
AFFORDABLE
HOUSING
141ST STREET
LEVEL 12 - ROOF
262' - 10"
LEVEL 11 - BULKHEAD
240' - 4"
LEVEL 10 - BULKHEAD
223' - 2"
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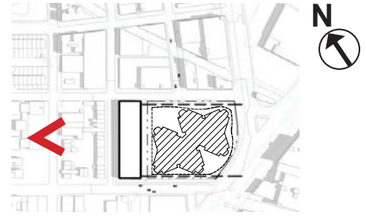
10' - 6"
12' - 10"
10' - 6"
23' - 4"
12' - 10"
10' - 6"
23' - 4"
12' - 10"
10' - 6"
23' - 4"
23' - 11"
16' - 0"
20' - 9"


0'
20'
40'
80'
120'
SCALE: 1" = 40'-0"


N

BASE

USE OF TERRACOTTA IN EARTHY TONE MAKES THE BASE BLEND INTO THE CONTEXT

TOWER

USE OF REFLECTIVE GLASS MITIGATES THE PRESENCE OF THE TOWER BY TAKING ON THE TONES AND COLORS OF THE SURROUNDING.
ADDITIONALLY IT GIVES AN HOMOGENEOUS TREATMENT TO THE FACADE PROVIDING A "CANVAS" FOR ITS ARTICULATION

+65′

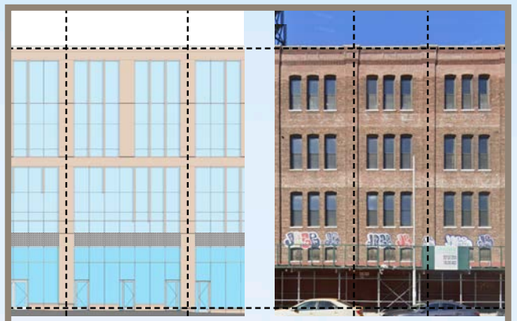
+33′

+57′

+18′

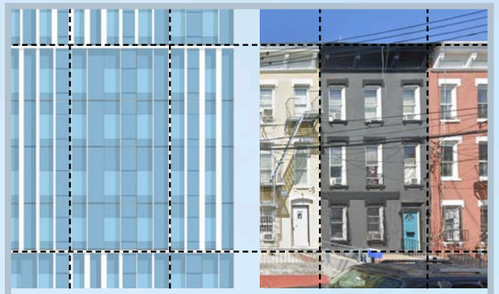
BASE - STREET LEVEL

USE OF CLEAR GLASS ALLOWS FOR ENGAGEMENT WITH THE STREET AT COMMUNITY / RETAIL SPACES



BASE

FACADE ARTICULATION OF TERRACOTTA CREATE A RHYTHM THAT TAKES ON THE SCALE OF THE NEIGHBORING INDUSTRIAL BUILDINGS



TOWER

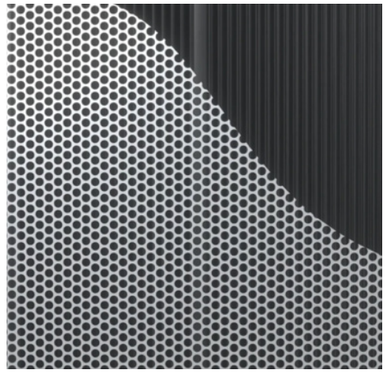
FACADE ARTICULATION OF ALUMINUM FINS CREATE RHYTHM THAT DEFINES THE FORM AND BREAKS THE SCALE OF THE BUILDING DOWN TO THAT OF NEIGHBORING RESIDENTIAL BUILDINGS

1. REFLECTIVE
VISION GLASS

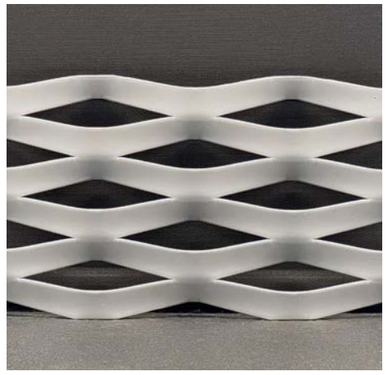
1. REFLECTIVE
SPANDREL GLASS

2. CLEAR GLASS

3. METAL SCREEN (PERFORATED)
+ LOUVER

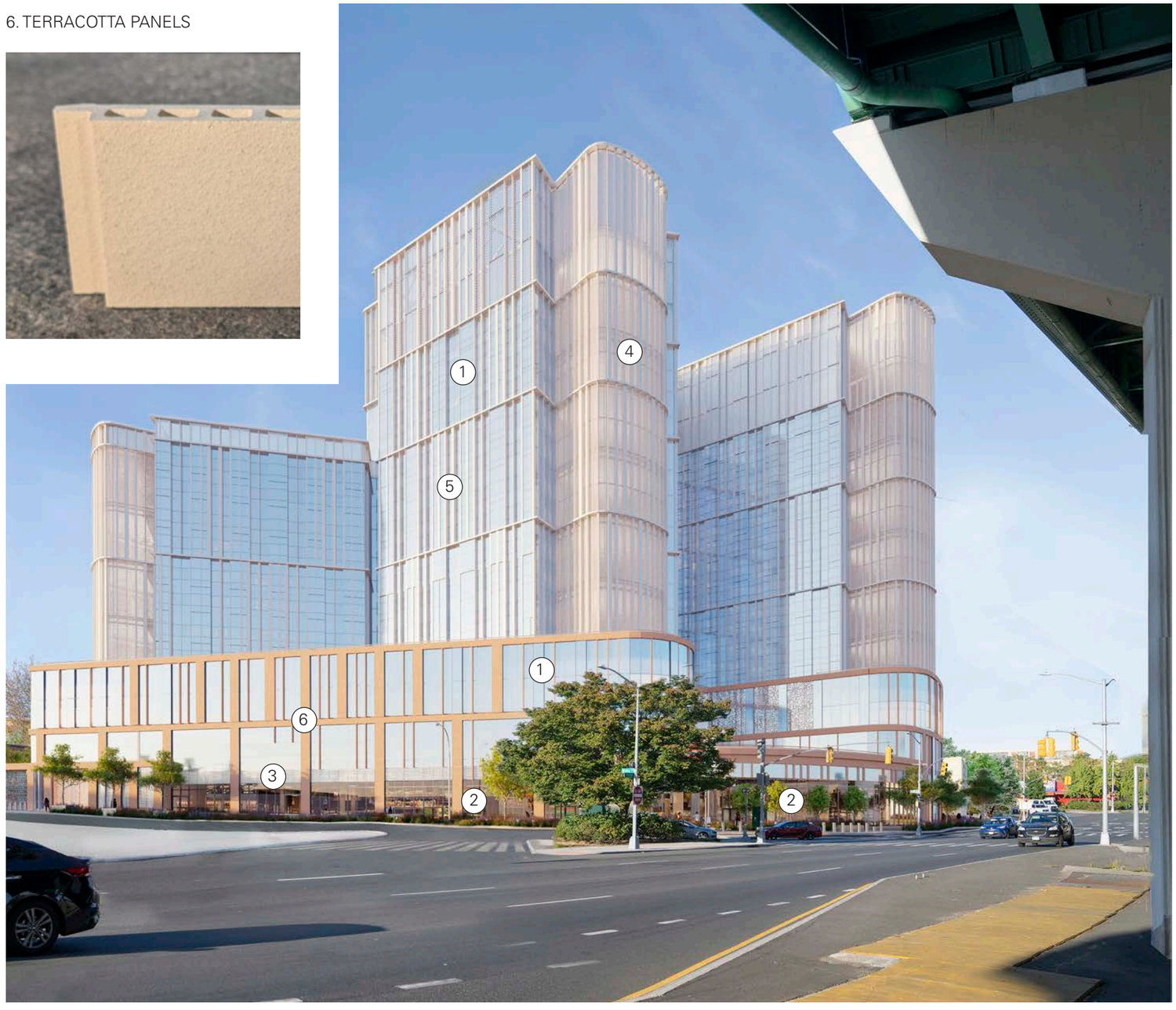


4. METAL MESH (EXPANDED)



5. ALUMINUM FINS

6. TERRACOTTA PANELS



1. REFLECTIVE
VISION GLASS

1. REFLECTIVE
SPANDREL GLASS

2. CLEAR GLASS

4. METAL MESH (EXPANDED)

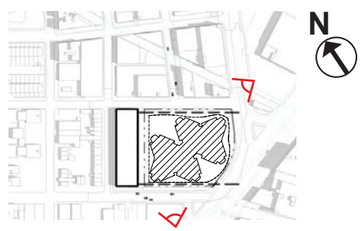
5. ALUMINUM FINS

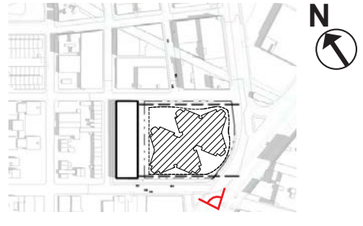
6. TERRACOTTA PANELS

SOUTH AERIAL VIEW

NORTHEAST AERIAL VIEW

1. VEHICULAR ENTRY
2. RETAIL / COMMUNITY
3. COMMUNITY / RETAIL ENTRANCE
4. PROGRAMS FOR STAFF AND PERSON IN CUSTODY
5. PUBLIC ENTRANCE
6. STAFF ENTRANCE





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LUMEN QRP

BOROUGH-BASED JAIL - THE BRONX FACILITY
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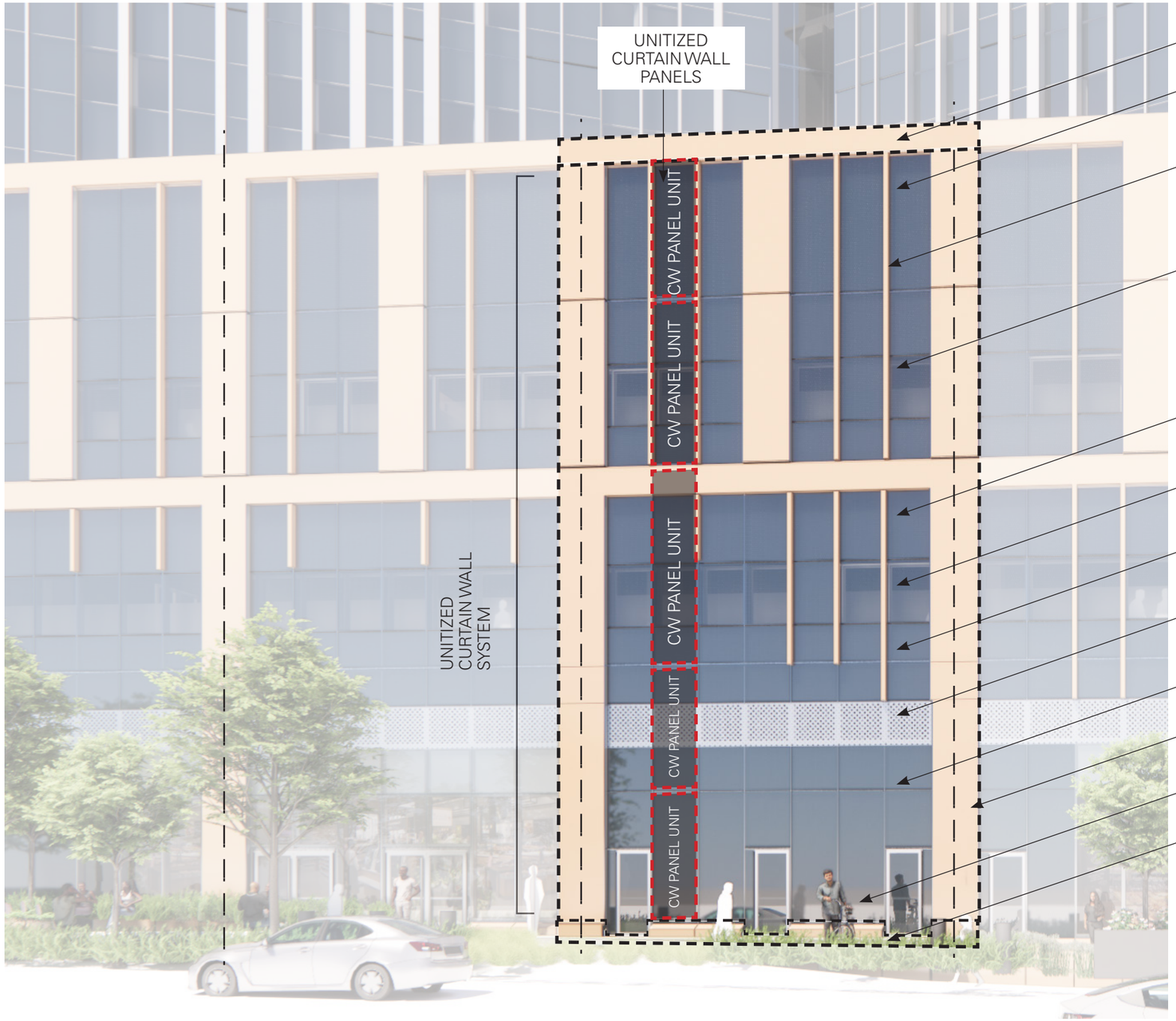
FACADE SYSTEM AT BASE

Scale: NTS

TYPICAL BAY CONDITION



SYSTEMS:

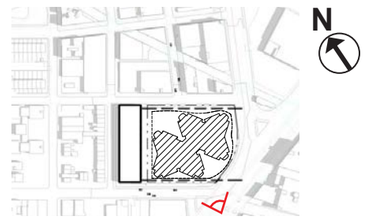
GRID:

The podium perimeter incorporates a rhythmic arrangement of terracotta curtain wall panels that align with the structural grid spacing, ensuring a cohesive architectural expression. Above, the upper horizontal band is clad with a terracotta rainscreen system, which extends to cover the parapet. This design creates an arcade-like effect, emphasizing depth and continuity along the building's edge.

INFILL:

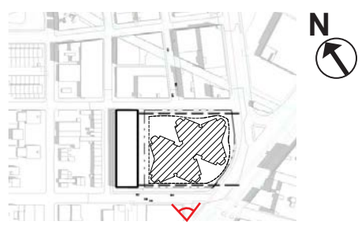
The facade is a fully unitized curtain wall system, seamlessly integrating glazing, terracotta panels, and slab edge covers into a cohesive assembly. Blast- and storm-resistant louvers (AMCA 500-L and AMCA 550) are strategically placed per MEP requirements and concealed by decorative screening.

To accommodate varying programmatic needs, the facade incorporates different glass types with tailored transmittance and reflectance levels. Reflective glass allows for an homogeneous visual between vision and opaque areas, while clear glass provides transparency for retail, community, and entry spaces. A uniform frit pattern integrates across the glazing to meet local law 15 requirements.



BASE FACADE - TYPICAL BAY
EXPLODED AXONOMETRIC

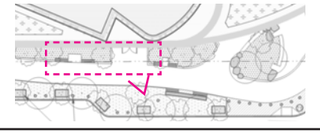
BASE FACADE - TYPICAL BAY
AXONOMETRIC



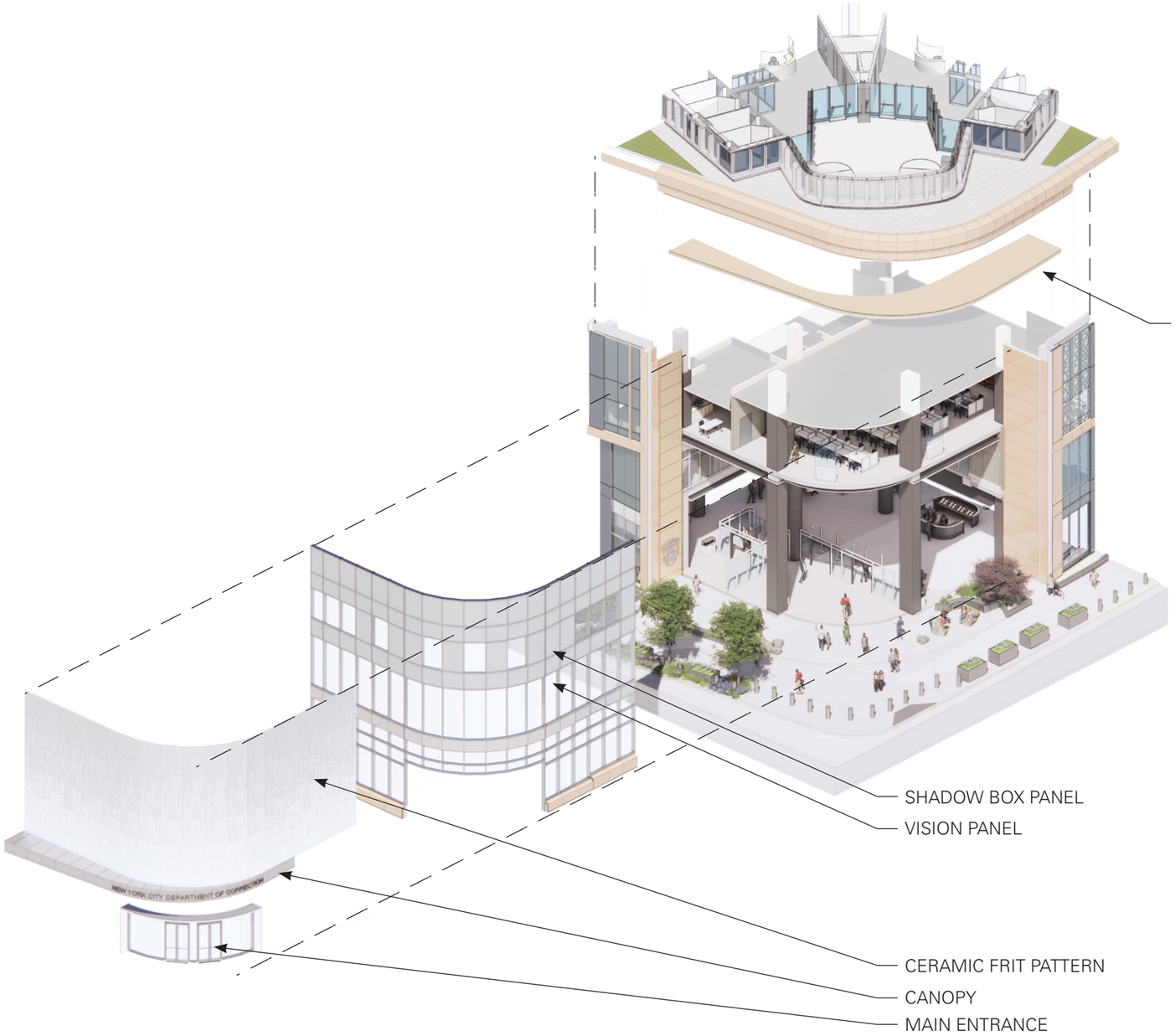
VIEW FROM INSIDE LOOKING OUT

VIEW LOOKING DOWN THE STREET

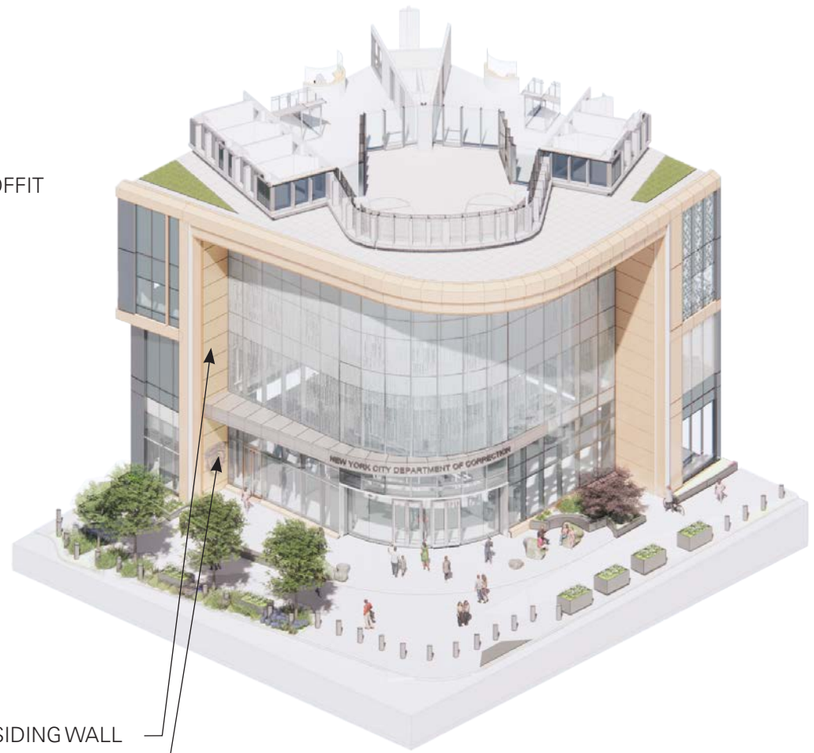
VIEW ALONG 141ST STREET

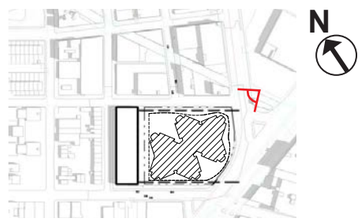


BASE FACADE - PUBLIC ENTRANCE
EXPLODED AXONOMETRIC

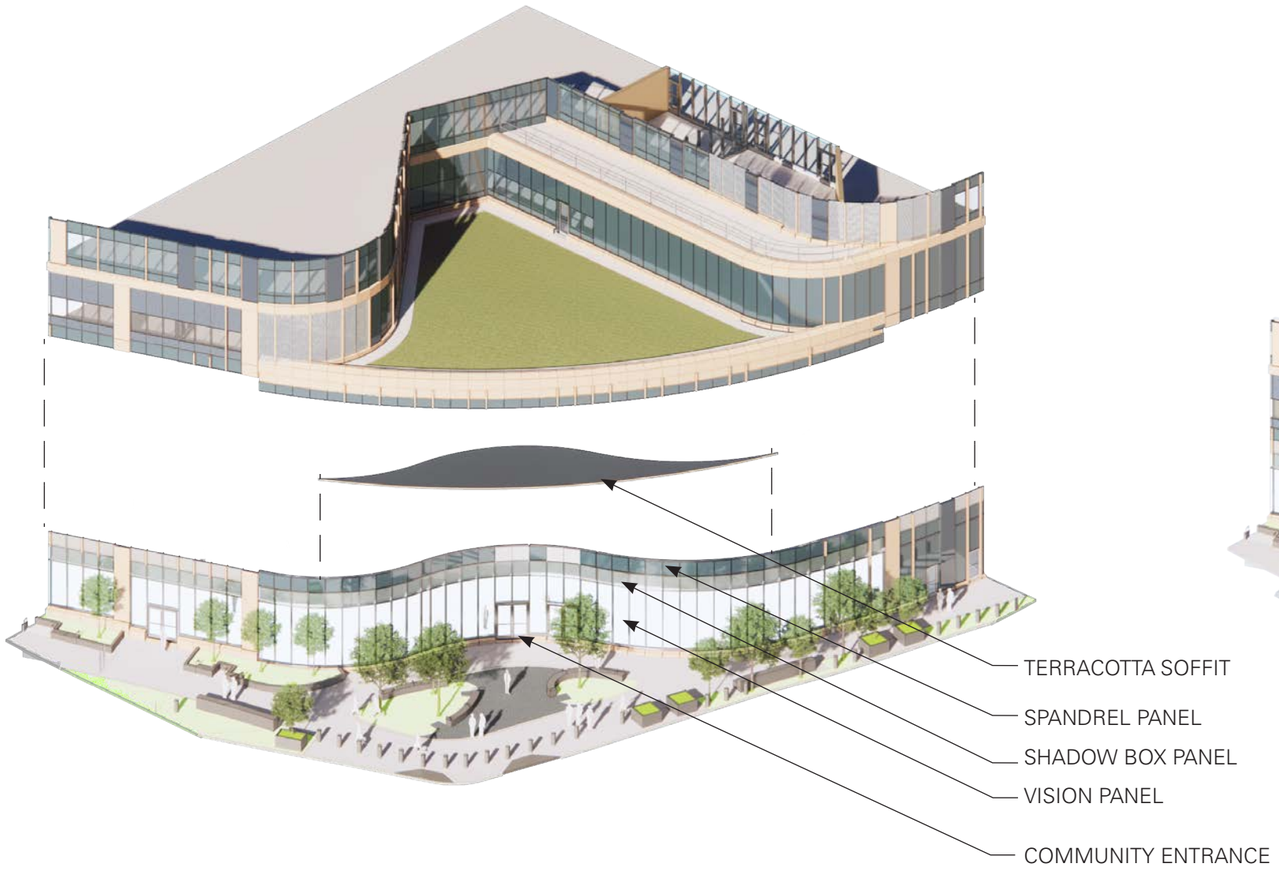


BASE FACADE - PUBLIC ENTRANCE
AXONOMETRIC

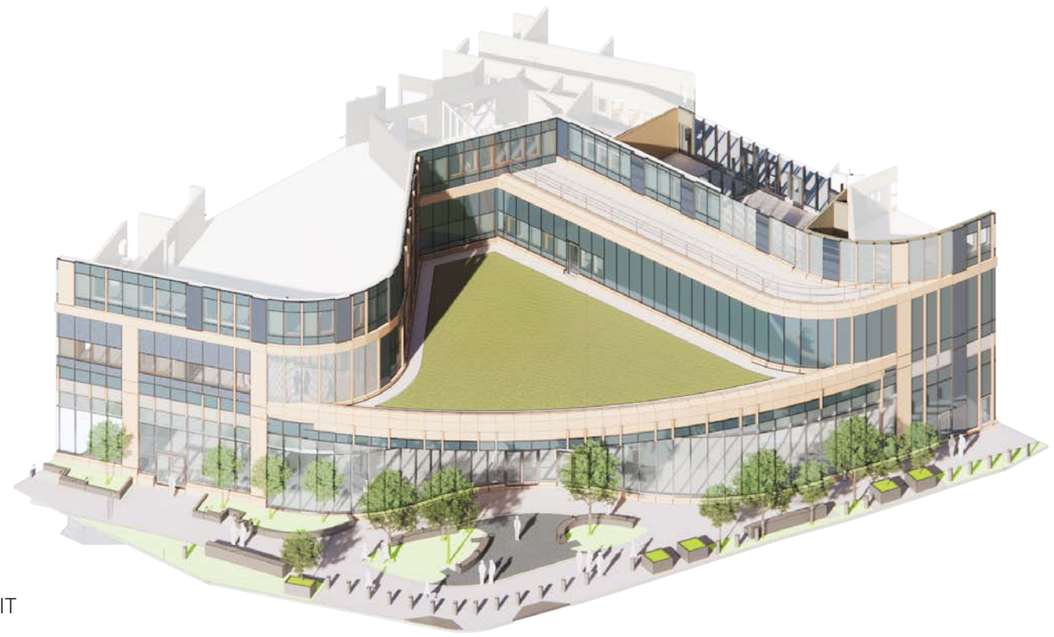


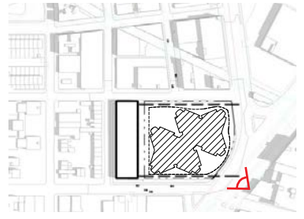


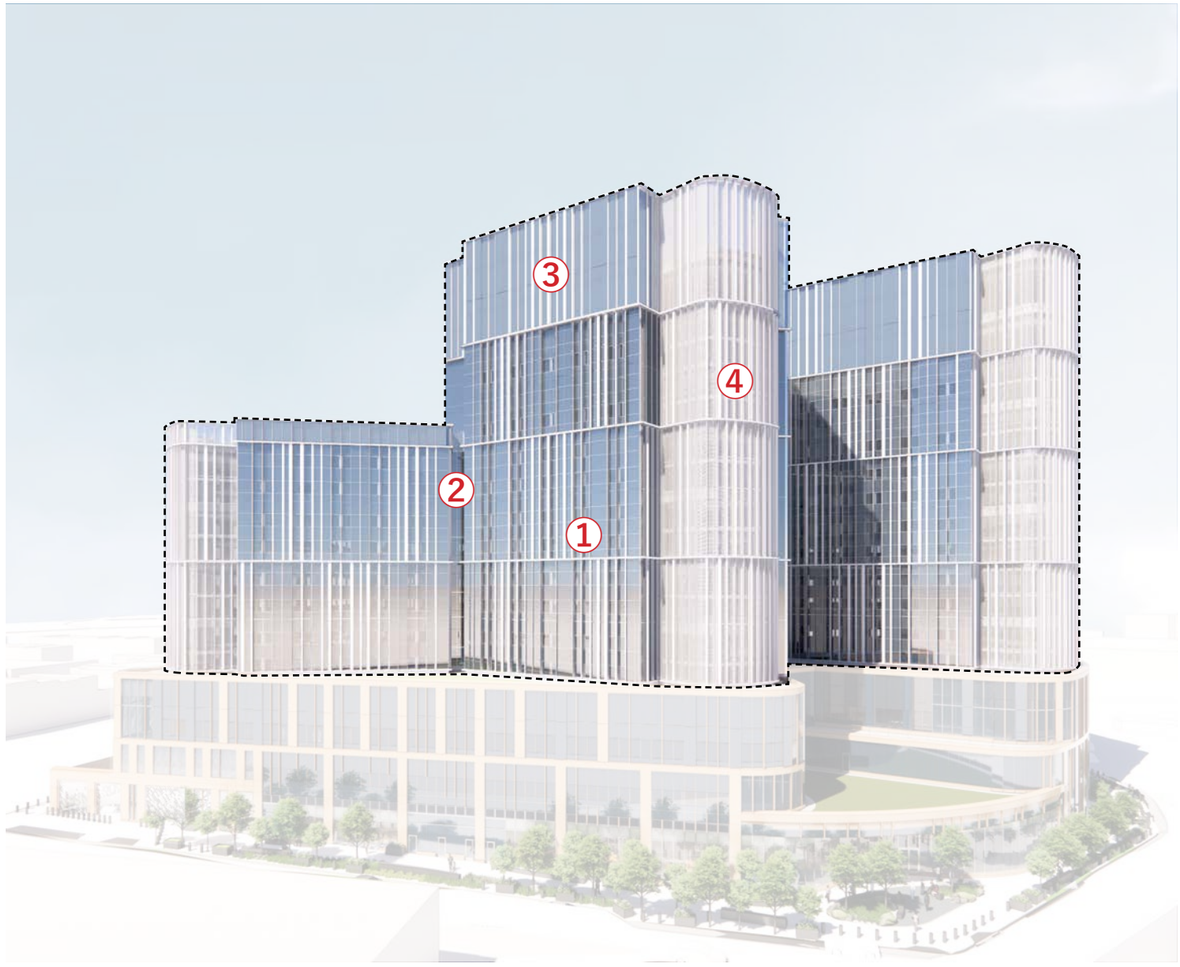
BASE FACADE - COMMUNITY / RETAIL ENTRANCE
EXPLODED AXONOMETRIC



BASE FACADE - COMMUNITY / RETAIL ENTRANCE
AXONOMETRIC



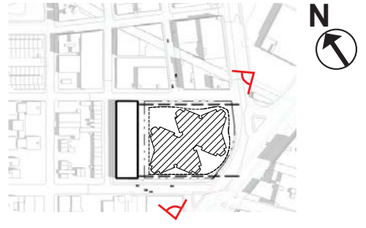




SOUTH AERIAL VIEW

NORTHEAST AERIAL VIEW

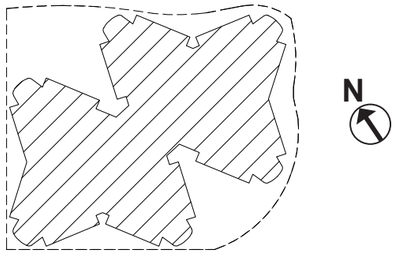
1. TYPICAL AT CELL
2. TYPICAL HOUSING CLUSTER
3. MECHANICAL BULKHEAD
4. OUTDOOR RECREATION

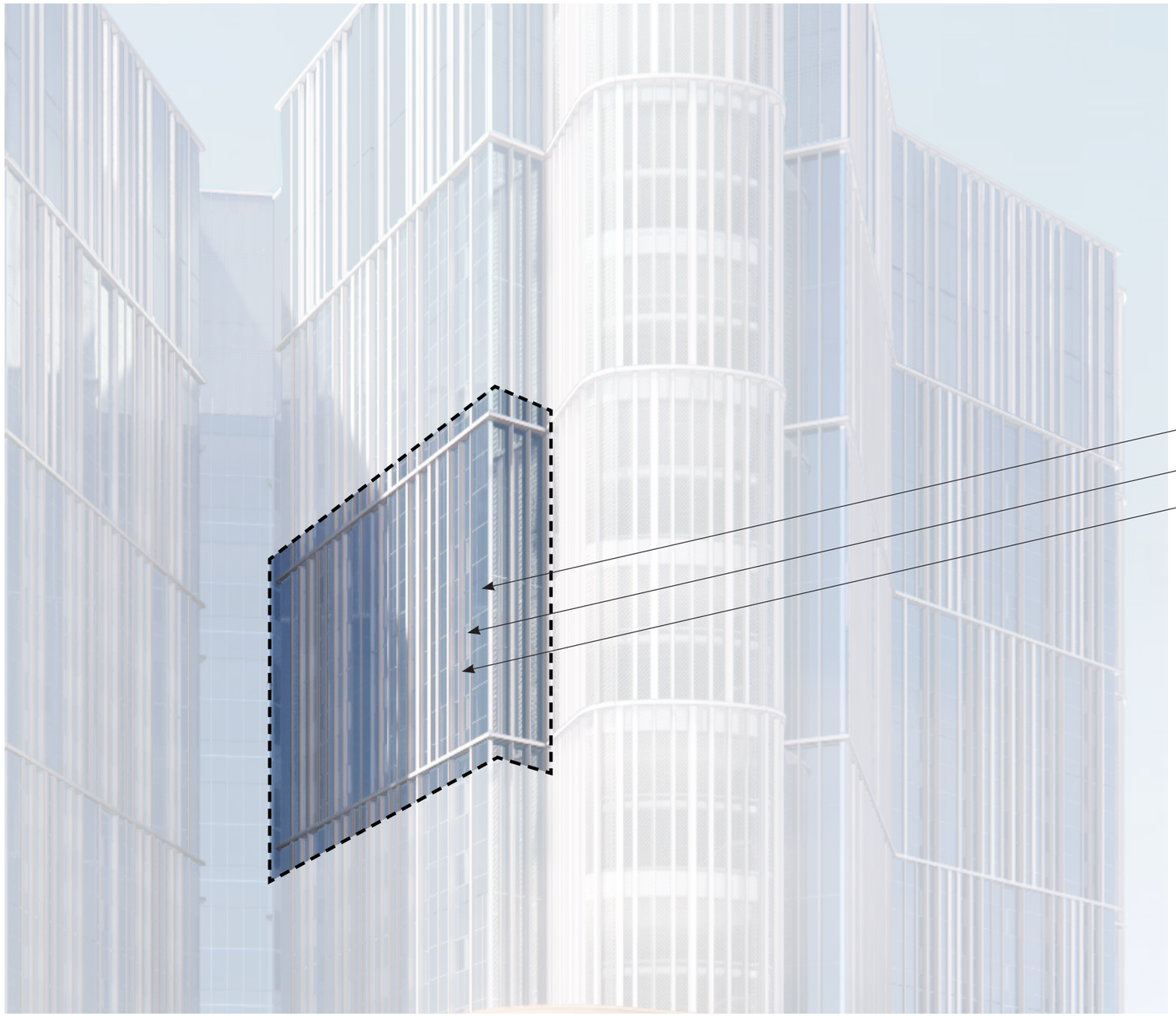


At the core of the housing unit design is the modular steel prefabricated bedroom unit.

The proposed bedrooms are grouped into pairs that fit neatly into a 15' structural grid. The steel bedroom unit acts as the security envelope, allowing the window wall 'skin' of the building outside to provide air-tightness, thermal performance and solar control, as well as influencing the aesthetic of the building.

The fins of varying sizes are integrated within the curtain wall system and are used to visually break down the vertical scale of the tower.





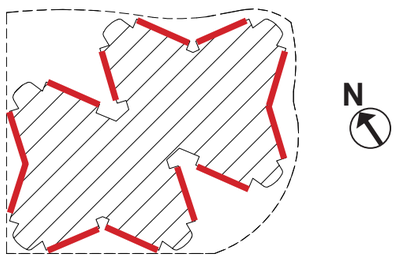
SYSTEMS:

CURTAIN WALL:

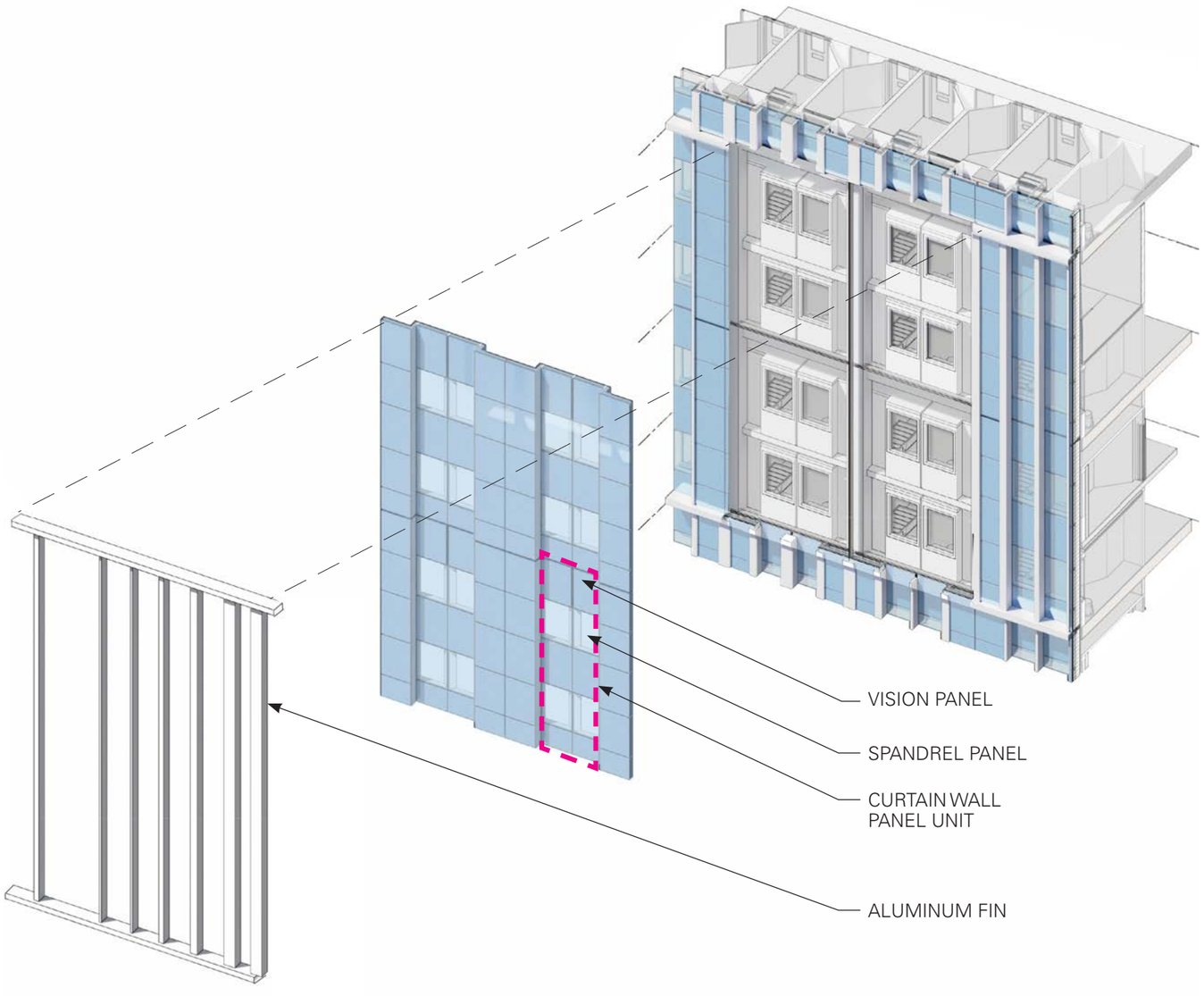
A conventional aluminum framed curtain wall system typically adjacent to the prefabricated bedrooms. The panels will consist of vision glass, spandrel glass, semi-rigid insulation and galvanized backpan at the spandrel areas. Steel reinforcement is provided as necessary based on the span, panel size and programmatic requirement.

The large span between floors necessitate an intermediate support, typically a steel tube, at midspan which picks up the lateral bracing of the curtain wall system and dead loading of tower curtain wall panel as required

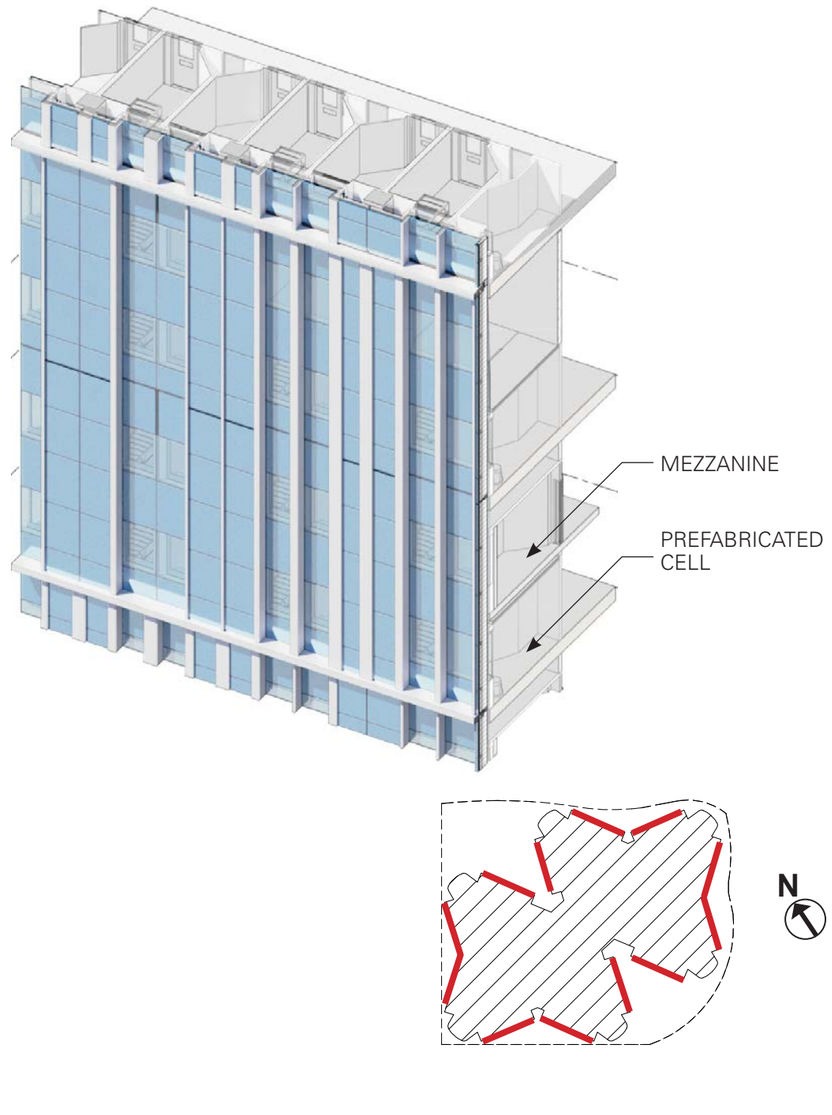
For thermal performance requirements, additional semi-rigid insulation is located on the inside face of the typical insulated spandrel backpans.

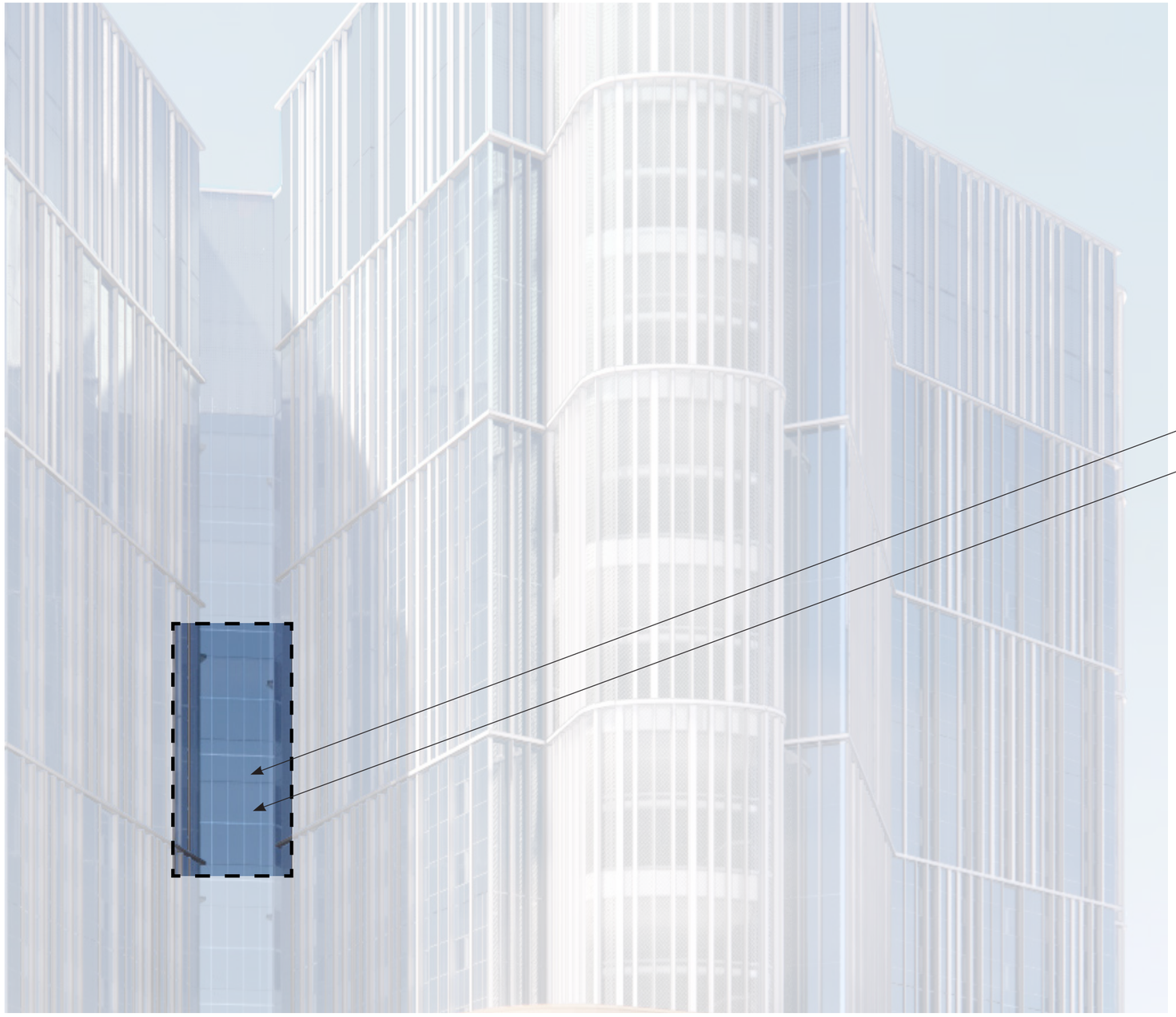


TOWER FACADE - CELL EXPLODED AXONOMETRIC



TOWER FACADE - CELL AXONOMETRIC





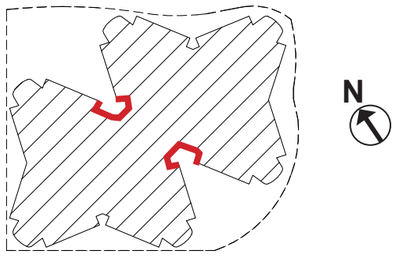
SYSTEMS:

CURTAIN WALL:

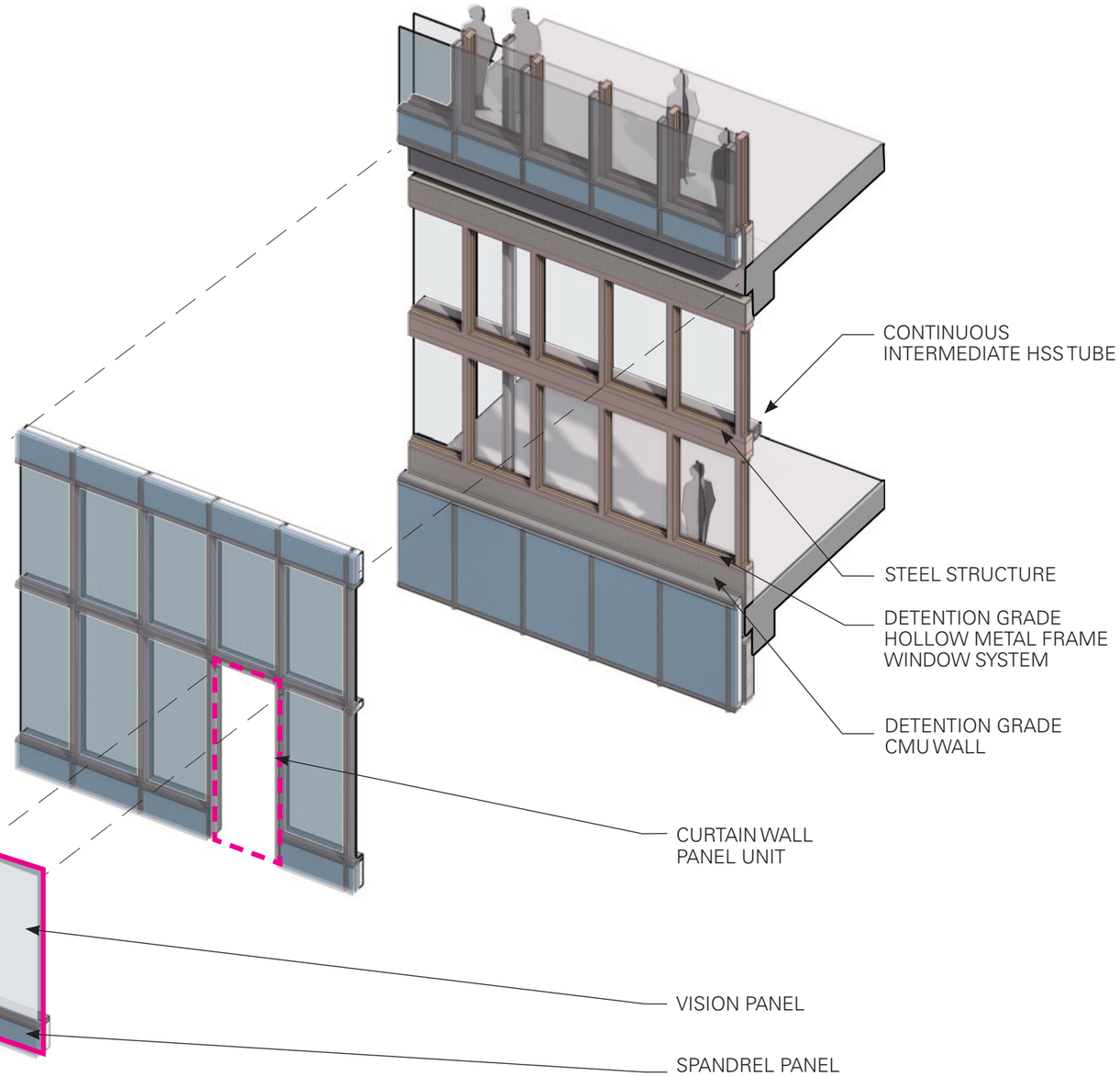
At the housing clusters, the exterior wall is a conventional aluminum framed curtain wall system typically in front of a detention grade security wall. The panels will consist of vision glass, spandrel glass, semi-rigid insulation and galvanized backpan at spandrel areas. All curtain wall glass to glass joints are typically with a butt joint without snap cap.

The large span between floors necessitate an intermediate support, typically a steel tube, at midspan which picks up the lateral bracing of the curtain wall system and dead loading of tower curtain wall panel as required

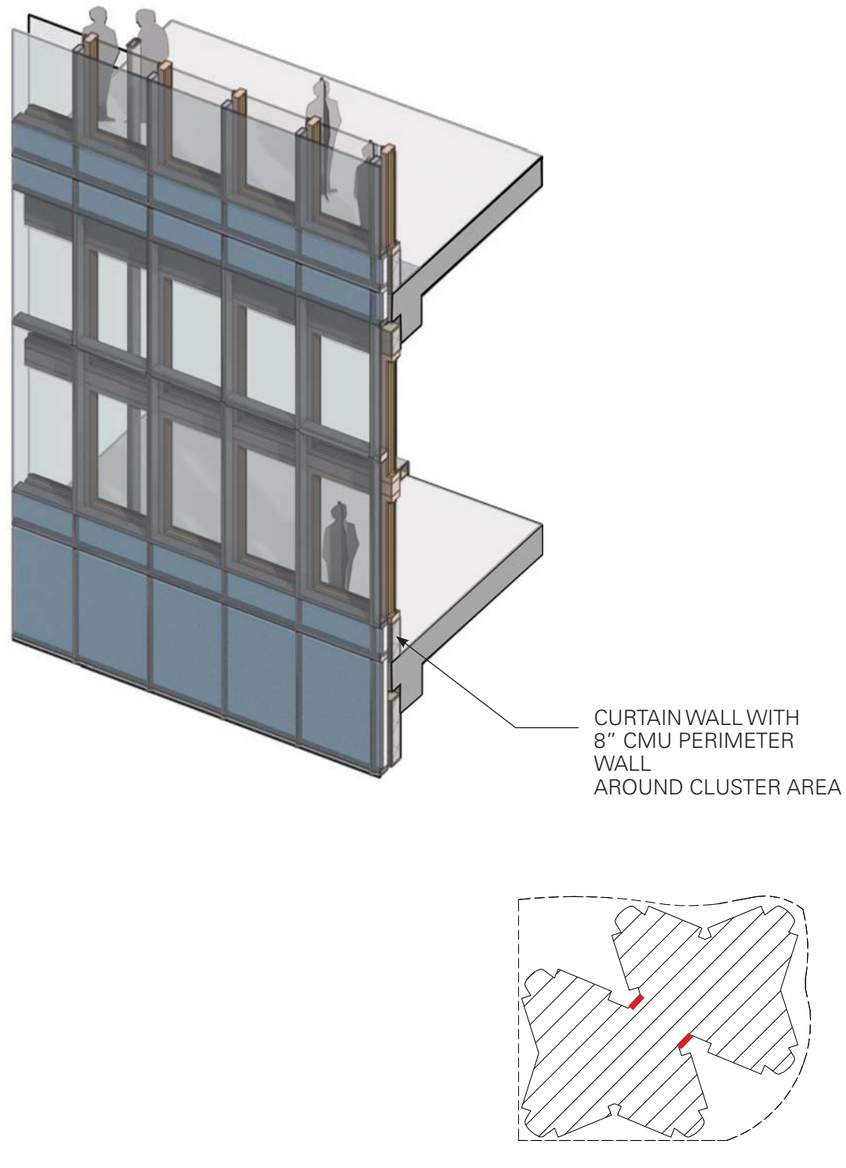
The curtain wall runs flush past the floor slabs. To meet thermal performance requirements, additional
semi-rigid insulation is located on the inside face of the typical insulated spandrel backpans.

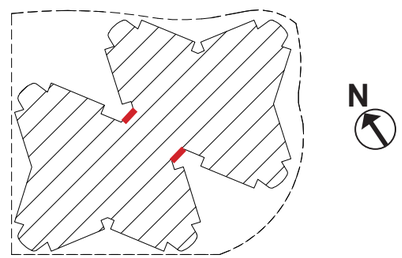


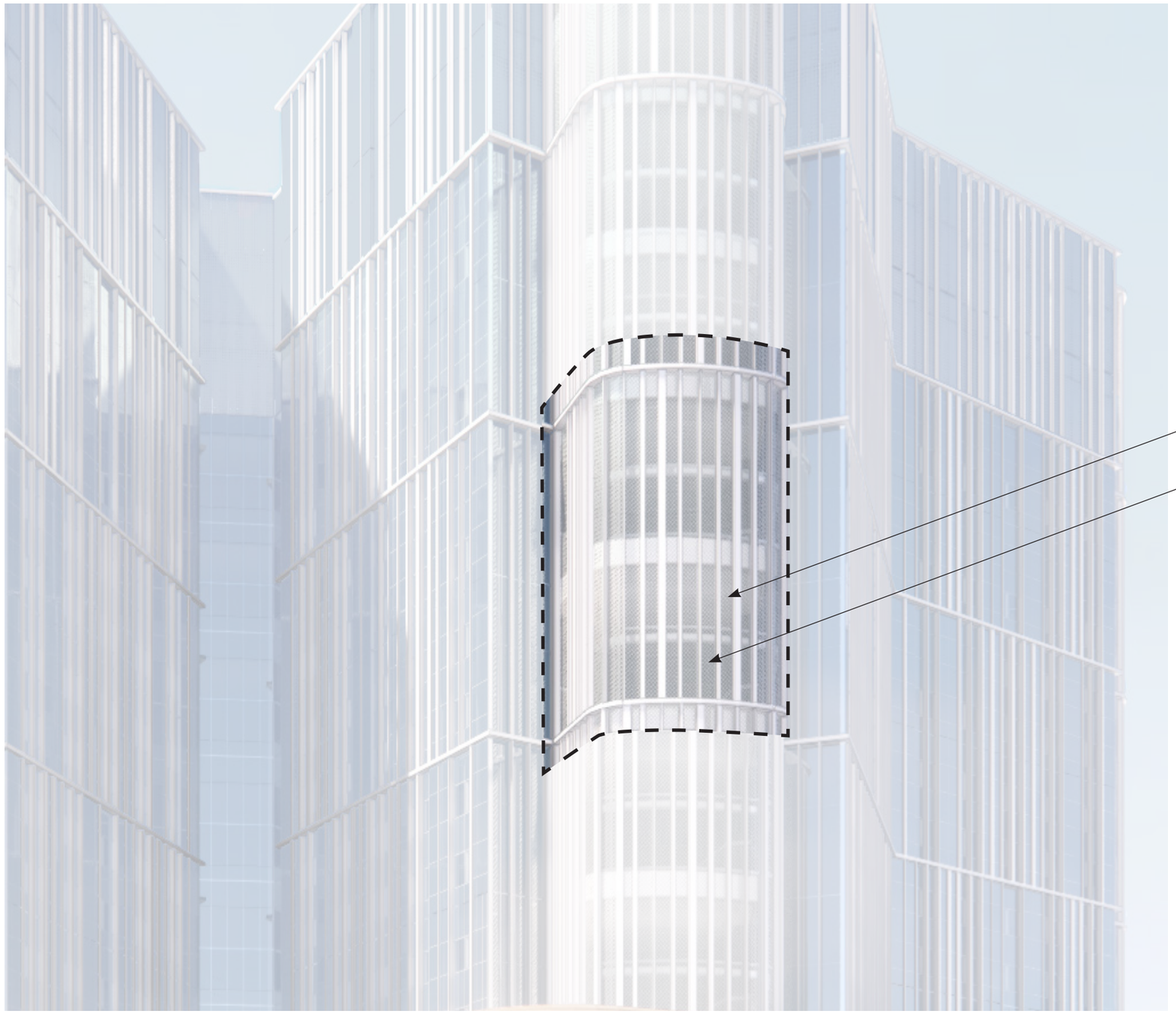
TOWER FACADE - HOUSING CLUSTER
EXPLODED AXONOMETRIC



TOWER FACADE - HOUSING CLUSTER
AXONOMETRIC





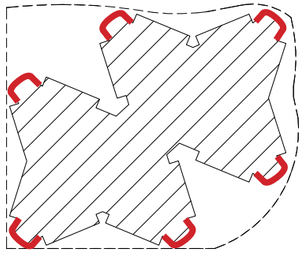


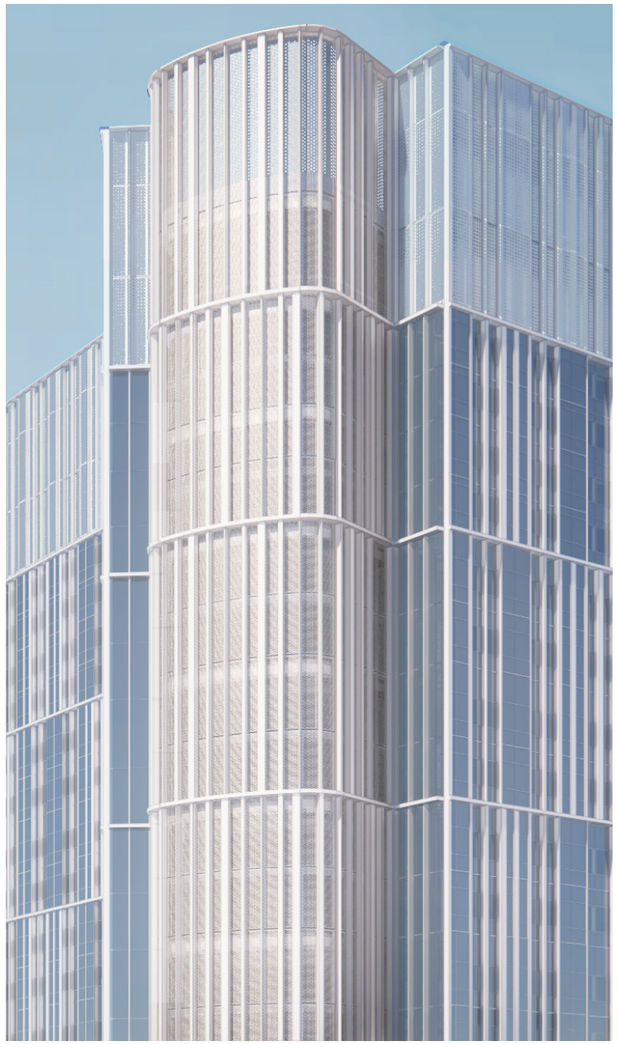
SYSTEMS:

UNITIZED ARCHITECTURAL SCREEN:

The Outdoor Recreation enclosure system consists of two screen panels: a decorative panelized screen system with an expanded metal mesh on the outside, and a separate security screen panel on the inside providing a detention grade security barrier.

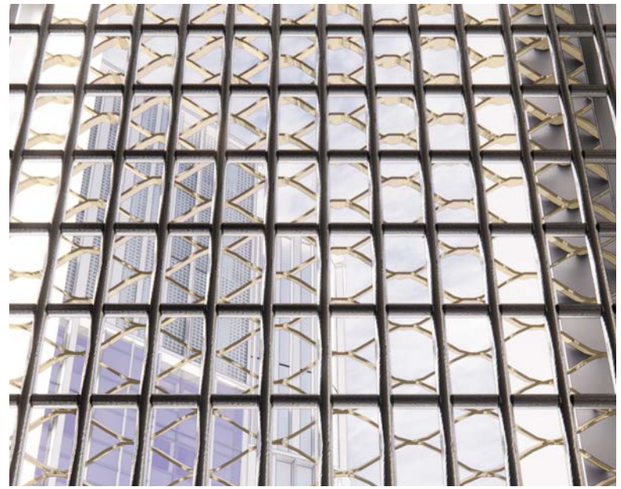
The large span between floors necessitate an intermediate support, typically a steel tube, at midspan which picks up the lateral bracing of the curtain wall system and dead loading of tower curtain wall panel as required.



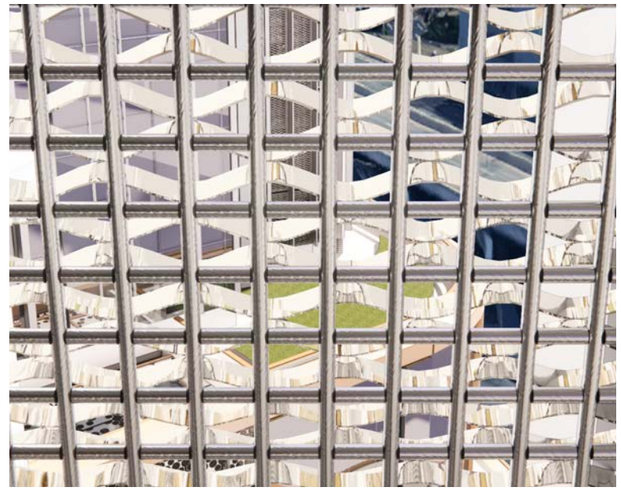


VIEW FROM OUTSIDE

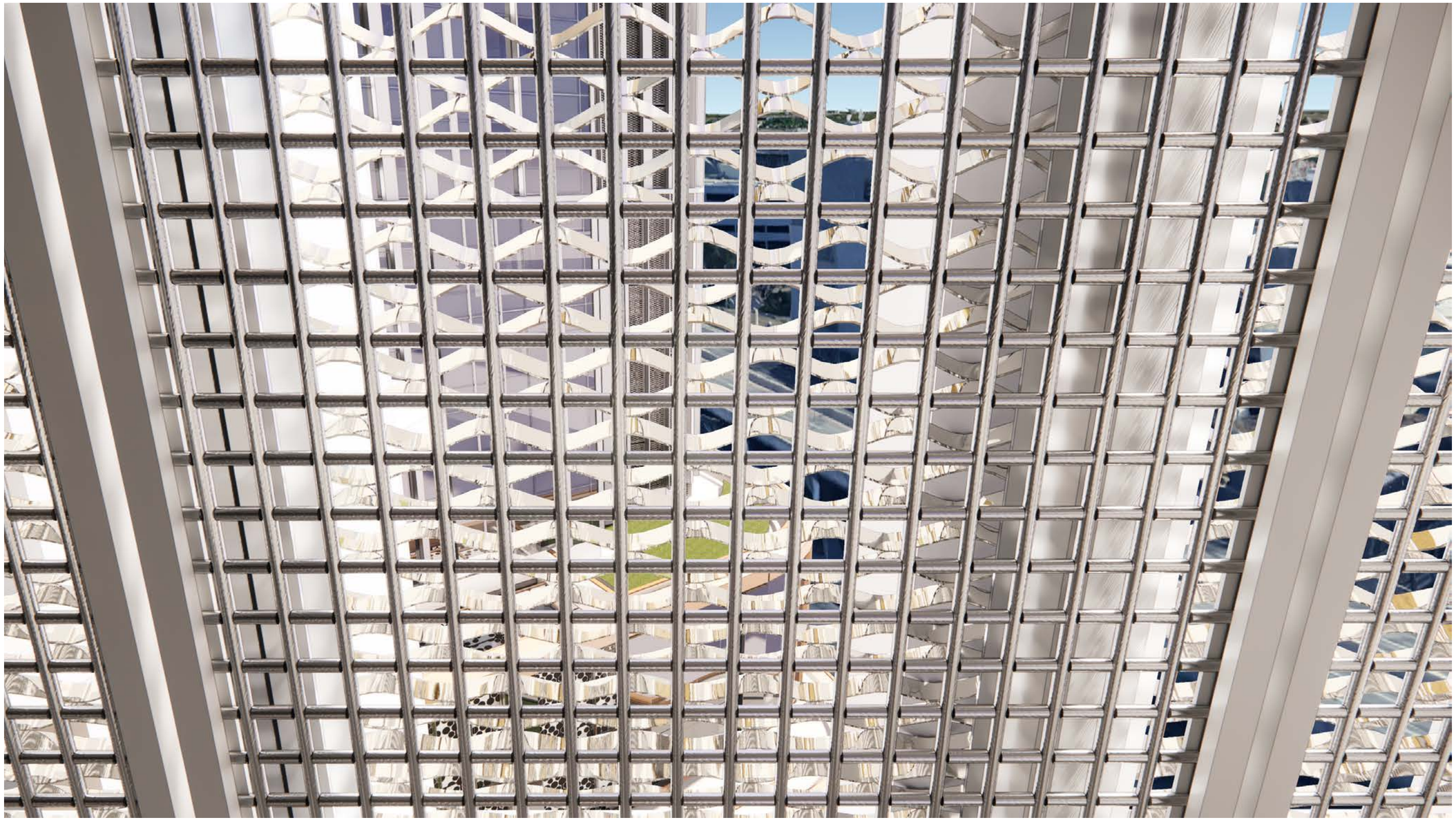
VIEW FROM INSIDE
THE OUTDOOR RECREATION



VIEW LOOKING UP FROM INSIDE



VIEW LOOKING DOWN FROM INSIDE

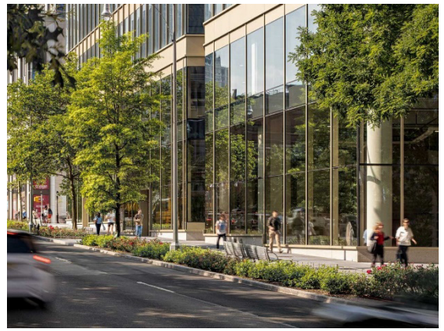


VIEW LOOKING DOWN FROM INSIDE
THE OUTDOOR RECREATION

LANDSCAPE AND STREETSCAPE STRATEGY

Create a **VIBRANT**, **WELCOMING** and **CLIMATE RESPONSIVE** street level environment to be shared with the community that adds to the social fabric of the neighborhood.

Civic Corridor



The streetscape can link the residential, park and waterfront landscapes to transit hubs and commercial districts of Mott Haven and Port Morris.

Park Inspired

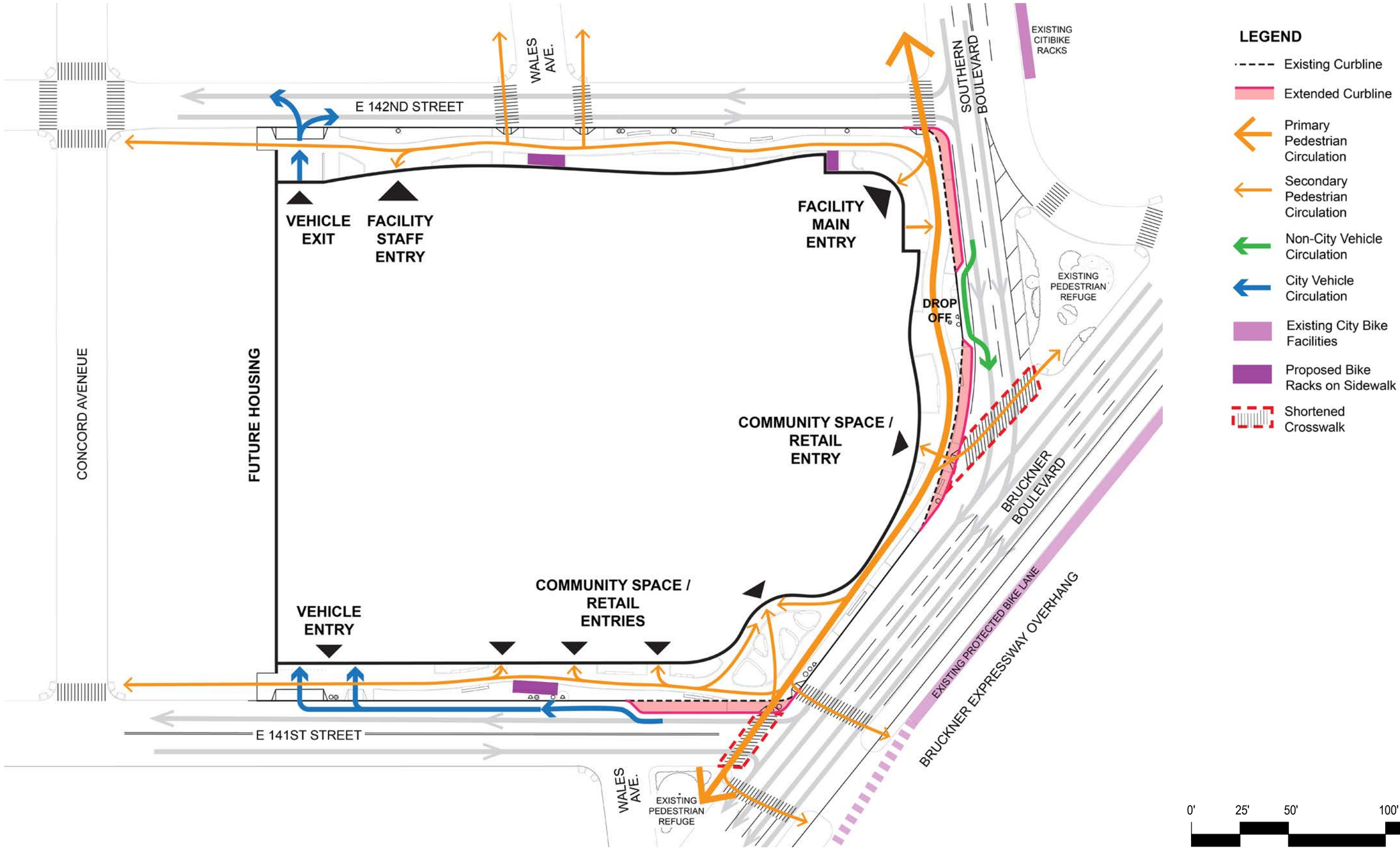
The streetscape can employ park inspired paths, seating and gathering areas, plantings and outcrops to evoke the relaxing feeling of nearby St. Mary's Park.

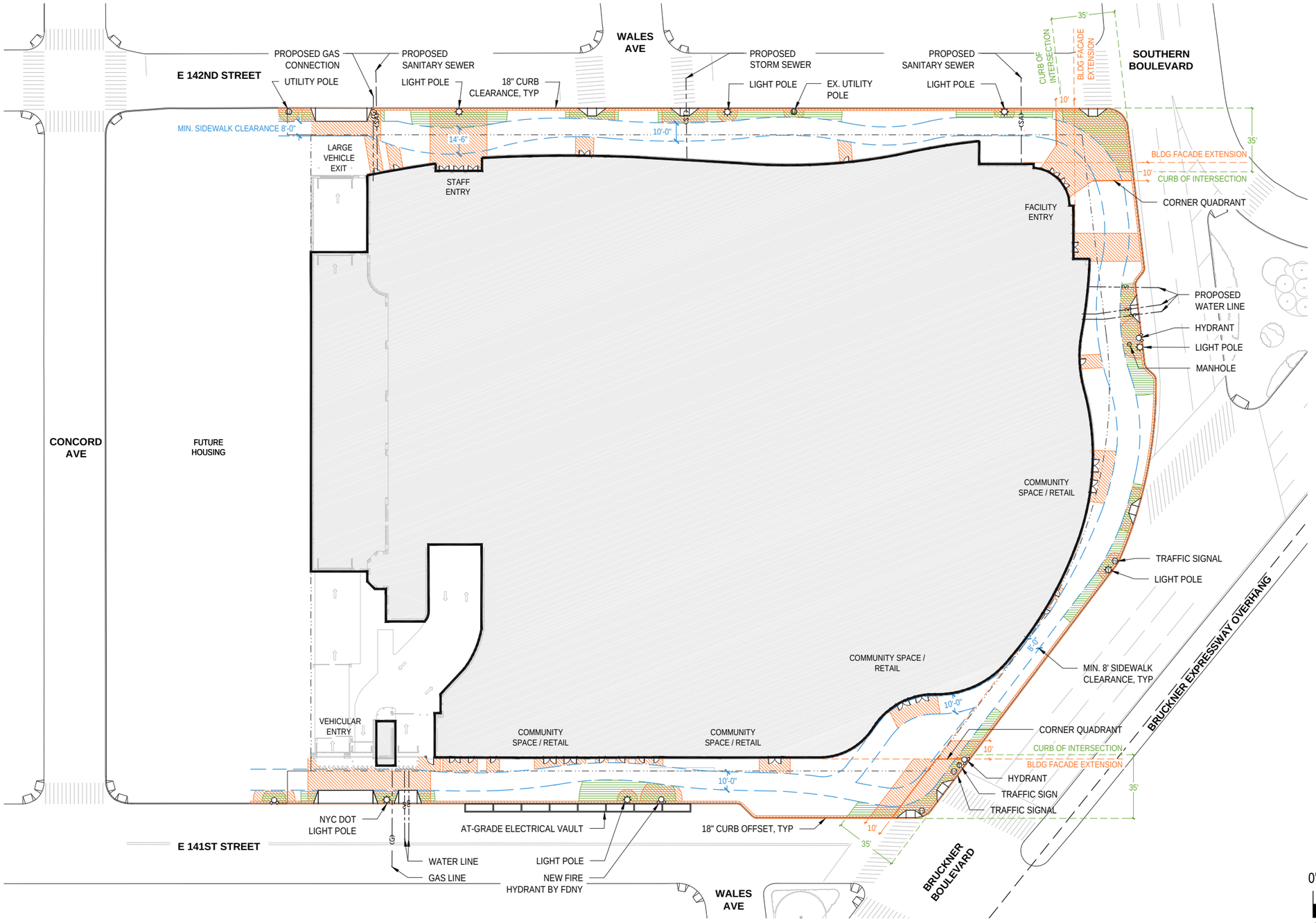
Neighborhood Hub

Welcoming entrance plazas can provide neighborhood meeting areas for the community. Planted islands can create shaded seating areas and highlight building entrances.

Place of Respite

Streetside plantings can provide visual separation between the sidewalk and fast-moving traffic on Southern & Bruckner Boulevards and help to reduce traffic noise.


E 142ND STREET
WALES AVE.
SOUTHERN BOULEVARD
EXISTING CITIBIKE RACKS
VEHICLE EXIT
FACILITY STAFF ENTRY
FACILITY MAIN ENTRY
DROP OFF
EXISTING PEDESTRIAN REFUGE
CONCORD AVENEUE
FUTURE HOUSING
COMMUNITY SPACE / RETAIL ENTRY
BRUCKNER BOULEVARD
VEHICLE ENTRY
COMMUNITY SPACE / RETAIL ENTRIES
EXISTING PROTECTED BIKE LANE
BRUCKNER EXPRESSWAY OVERHANG
E 141ST STREET
WALES AVE.
EXISTING PEDESTRIAN REFUGE
LEGEND
Existing Curbline
Extended Curbline
Primary Pedestrian Circulation
Secondary Pedestrian Circulation
Non-City Vehicle Circulation
City Vehicle Circulation
Existing City Bike Facilities
Proposed Bike Racks on Sidewalk
Shortened Crosswalk
0'
25'
50'
100'
150'
SCALE: 1" = 50'-0"



LEGEND

- PROPERTY LINE
- FIRE HYDRANT
- LIGHT POLE
- UTILITY POLE
- PROPOSED SAN. SEWER LINE
- PROPOSED STORM WATER LINE
- PROPOSED WATER LINE
- PROPOSED GAS LINE
- 8' MIN. SIDEWALK CLEARANCE
- 10' OFFSET OF BLDG FACADE
- OFFSET FOR FURNISHINGS
- OFFSET FOR TREE TRUNK

The Streetscape Clearance Plan indicates feasible locations for street tree plantings and site furnishings. Although NYC Zoning Code requires 1 street tree every 25 feet of street frontage of the zoning lot, existing and proposed at-grade and underground utilities reduce the locations that street trees can be added safely or successfully on the site.

Clearances area prescribed by NYC DOT Street Design Manual 2020, furniture siting guidelines and tree planting clearances.

0' 25' 50' 100' 150'

SCALE: 1" = 50'-0"

LEGEND

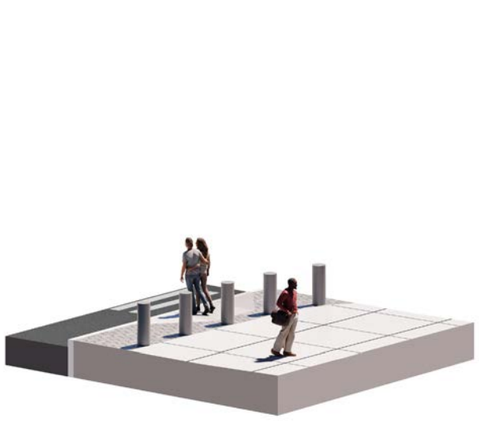
- PROPERTY LINE
- EXISTING UTILITIES
- EXISTING NYC DOT LIGHT POLE
- EXISTING TRAFFIC SIGN/SIGNAL
- CRASH RATED BOLLARD
- NYPD BARRIER
- CRASH RATED PLANTERS
- BIKE RACKS
- CRASH RATED KNEE WALL
- CONCRETE BENCHES WITH RECYCLED PLASTIC LUMBER SEAT
- CONCRETE BENCHES
- NYC DOT SIDEWALK / EXPOSED AGGREGATE
- PERMEABLE PAVING
- GRANITE PAVING
- BIOSWALE PLANTINGS
- UNDERSTORY PLANTINGS
- UNDERSTORY TREE
- SHADE TREE

Pedestrian safety measures include open space design at crosswalks and corners for clear sightlines and unimpeded pedestrian crossing, and curb bump-outs along Southern Boulevard and E 141st Street which shorten pedestrian crossing distance across busy arterial and collector roadways.

Planting and shade trees are maximized on both sides of wide curving sidewalks that evoke the feeling of St. Mary's Park along the streetscape.

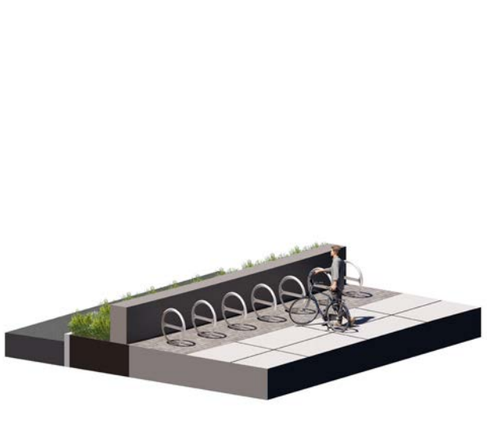
A variety of seating types and bike racks are located around the building perimeter and near all main entrances. Solo, group seating and ADA companion seating is provided.

Entrances, seating areas, crosswalks and the full sidewalk are fully accessible.



Crash-rated bollards (M50)

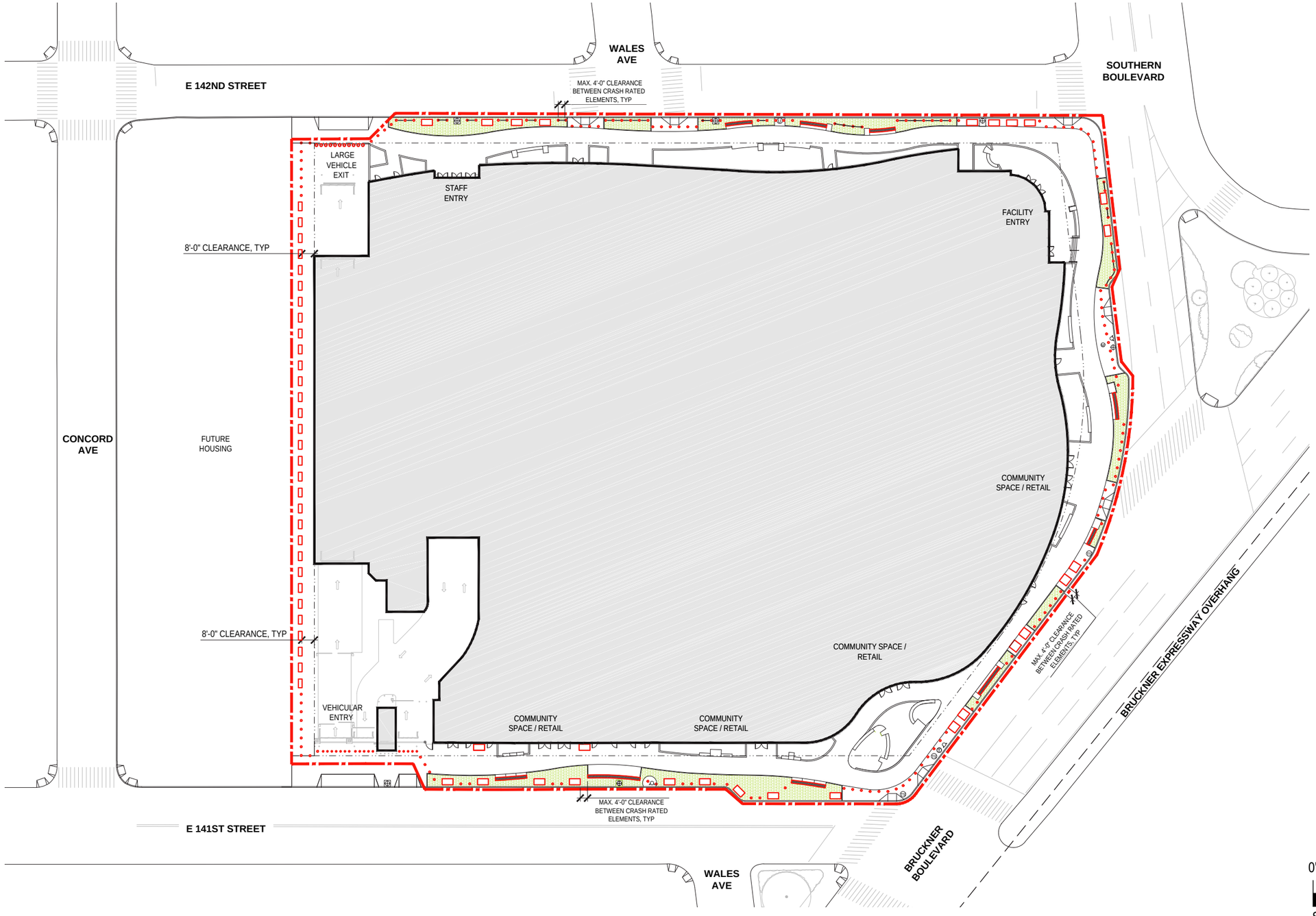
Crash-rated bollards with rails (M50)



Structural crash-rated wall (M50)

Crash-rated planters (M50)

Structural crash-rated site furnishings(M50)



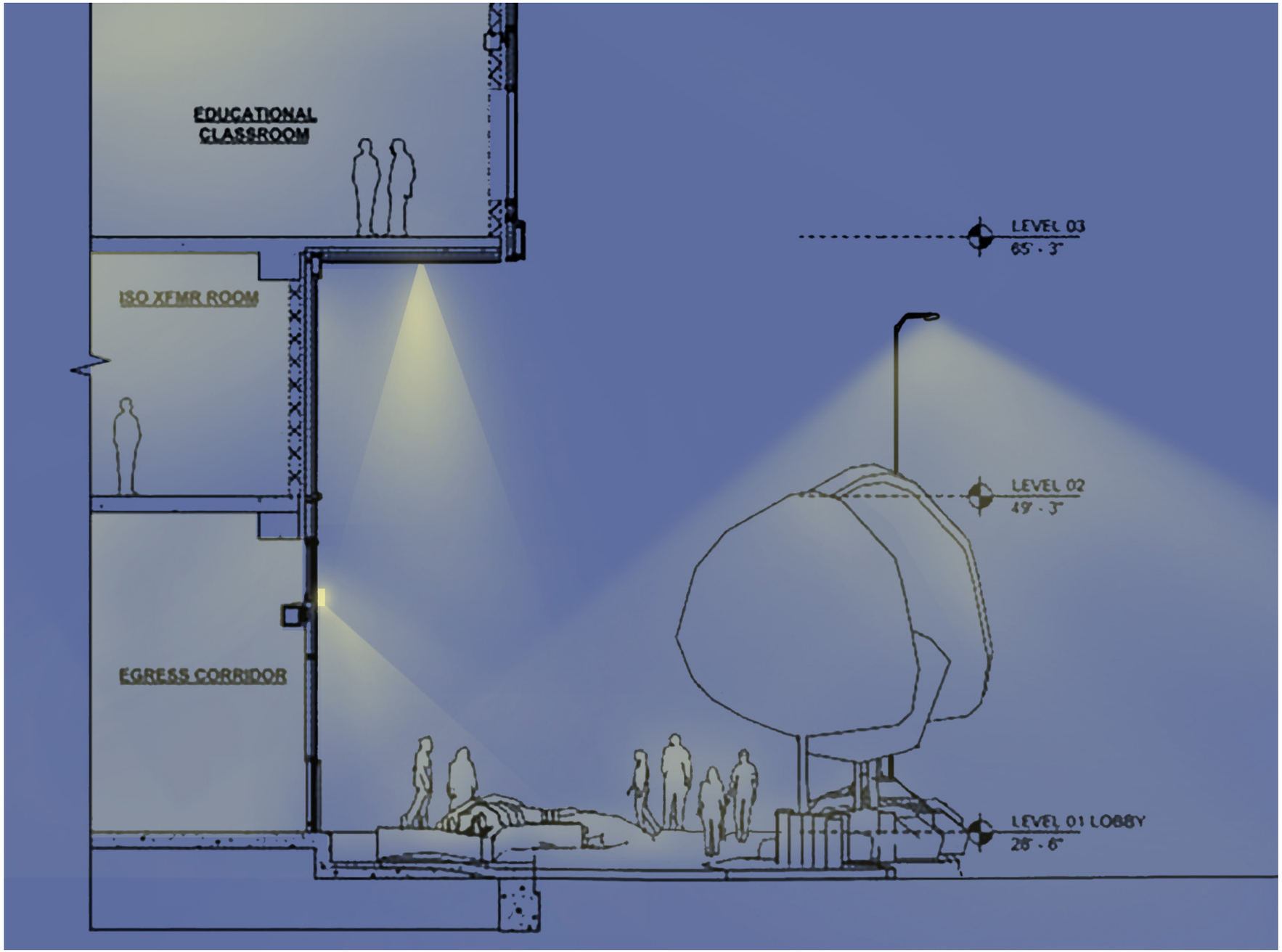
LEGEND

- PROPERTY LINE
- EXISTING UTILITIES
- NYC DOT LIGHT POLE
- EXISTING TRAFFIC SIGN / SIGNAL
- TEMPORARY BOULDER / NYPD BARRIER
- CRASH RATED BOLLARD
- CRASH RATED BOLLARD FENCE
- CRASH RATED PLANTERS
- CRASH RATED KNEE WALL
- SECURED PERIMETER

The site security plan indicates the site elements placed along the perimeter of the site to prevent vehicular incursion into the site with a combination of crash rated security bollards, crash rated cast-in-place concrete seat walls, crash rated bike bollards, and crash rated anchored boulders.

0' 25' 50' 100' 150'

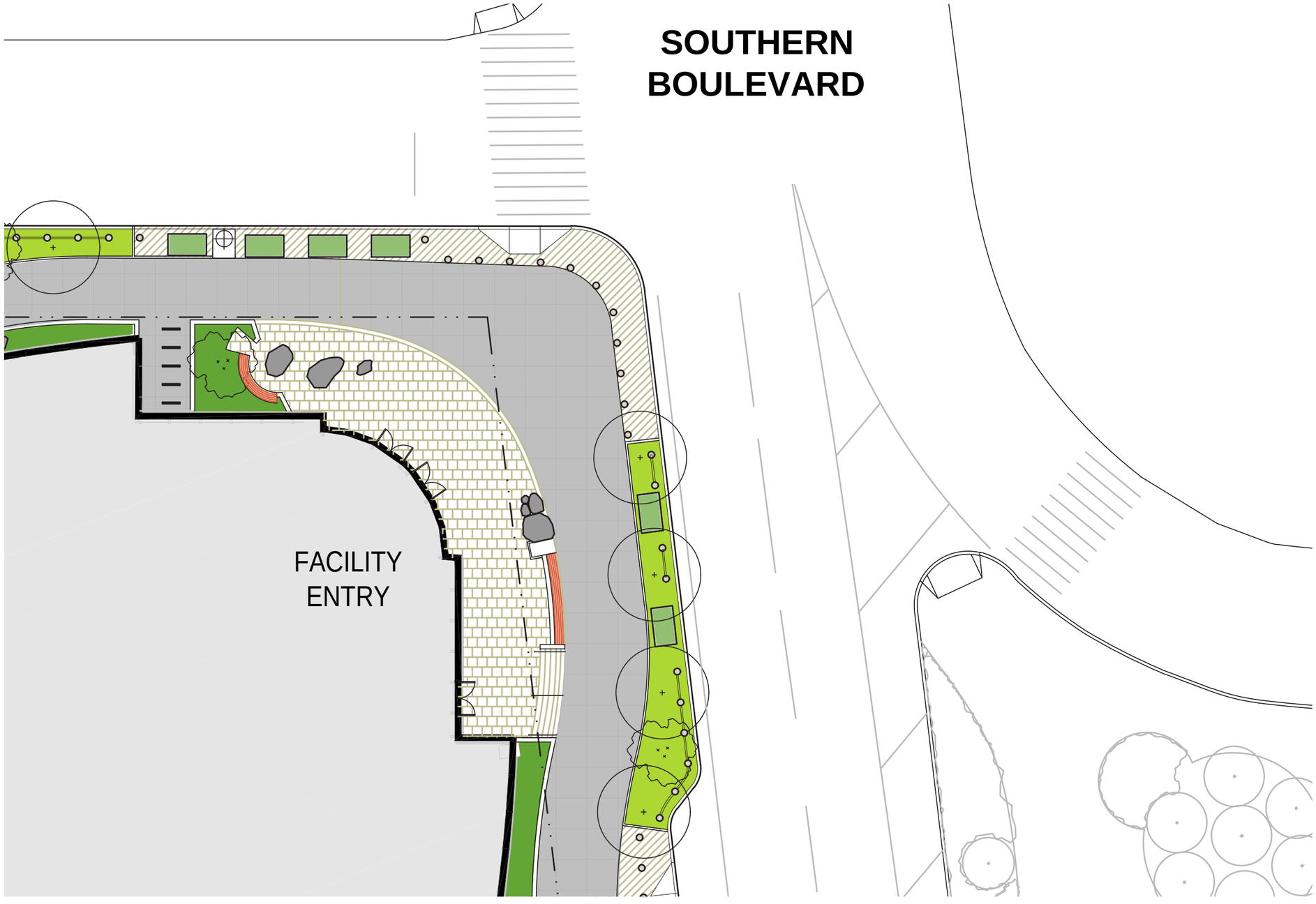
SCALE: 1" = 50'-0"



LAYERS OF LIGHT PROVIDED IN SUPPORT OF SAFETY:

- DOT street lights
- Integrated recessed downlight
- Lighting design will ensure clear visibility for camera locations as well.

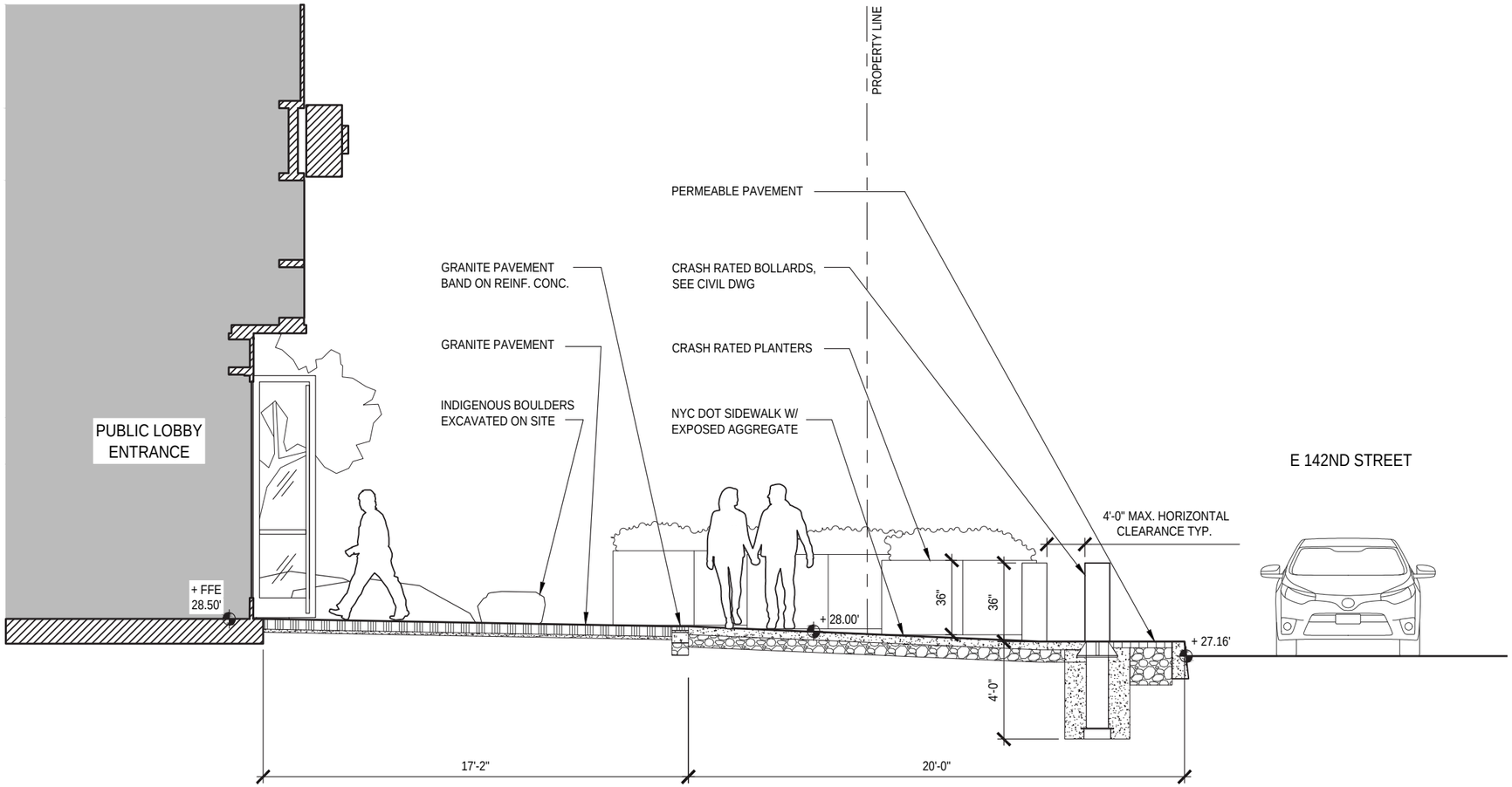
SOUTHERN BOULEVARD

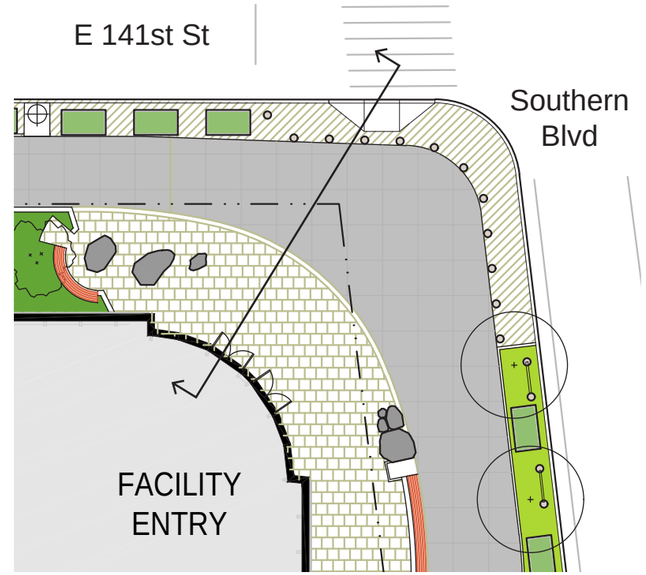


LEGEND

- PROPERTY LINE
- EXISTING UTILITIES
- EXISTING NYC DOT LIGHT POLE
- EXISTING TRAFFIC SIGN/SIGNAL
- CRASH RATED BOLLARD
- NYPD BARRIER
- CRASH RATED PLANTERS
- BIKE RACKS
- CRASH RATED KNEE WALL
- CONCRETE BENCHES WITH RECYCLED PLASTIC LUMBER SEAT
- CONCRETE BENCHES
- NYC DOT SIDEWALK / EXPOSED AGGREGATE
- PERMEABLE PAVING
- GRANITE PAVING
- BIOSWALE PLANTINGS
- UNDERSTORY PLANTINGS
- UNDERSTORY TREE
- SHADE TREE

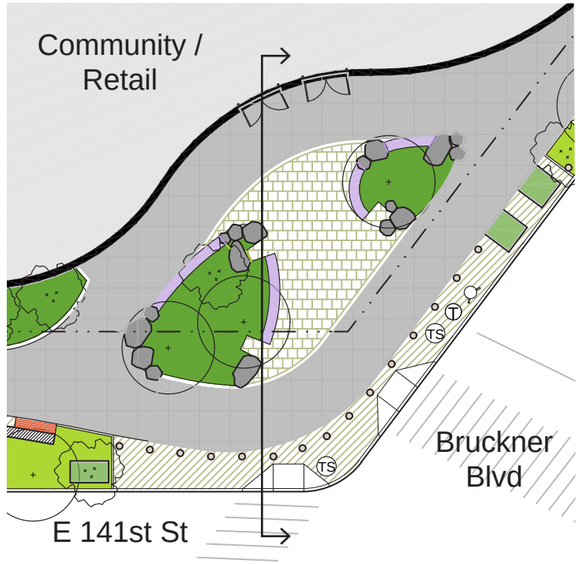
MAIN LOBBY ENTRANCE

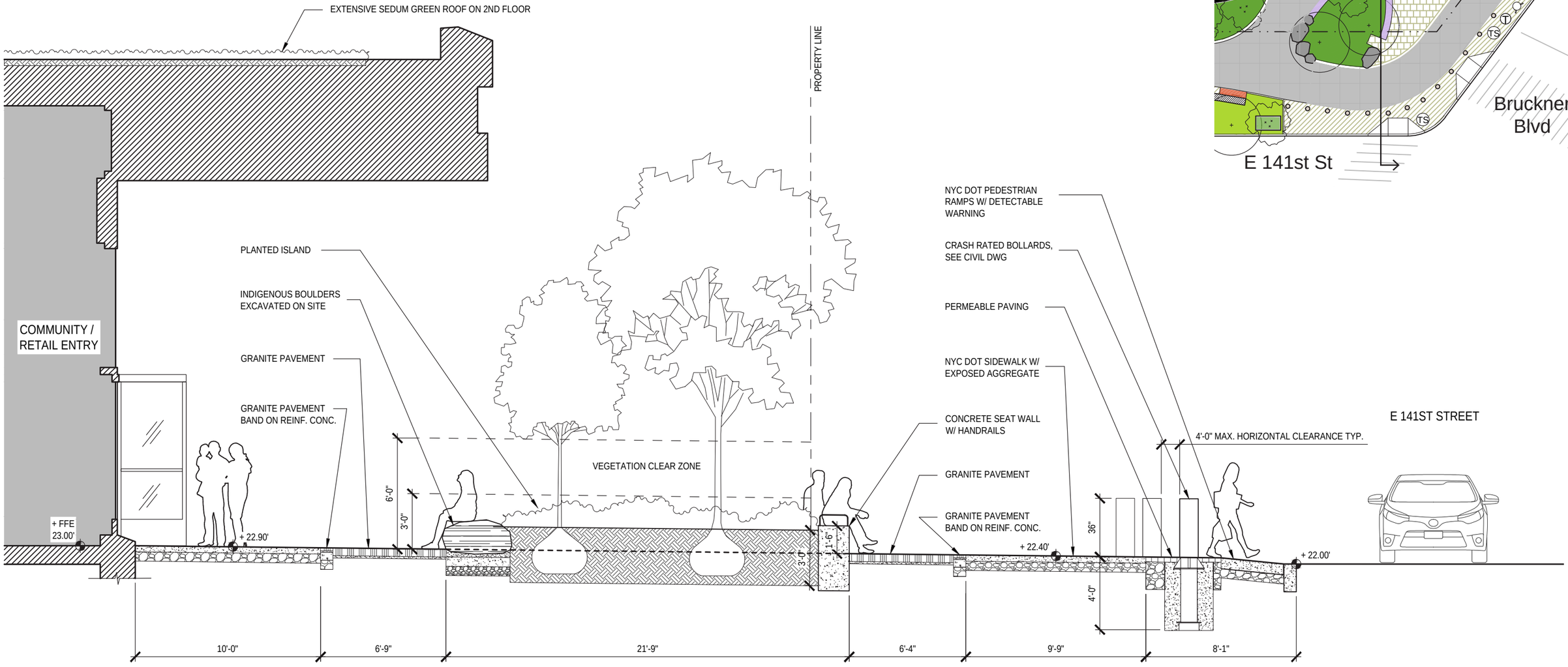

PUBLIC LOBBY ENTRANCE
+ FFE 28.50'
PROPERTY LINE
PERMEABLE PAVEMENT
GRANITE PAVEMENT BAND ON REINF. CONC.
CRASH RATED BOLLARDS, SEE CIVIL DWG
GRANITE PAVEMENT
CRASH RATED PLANTERS
INDIGENOUS BOULDERS EXCAVATED ON SITE
NYC DOT SIDEWALK W/ EXPOSED AGGREGATE
E 142ND STREET
4'-0" MAX. HORIZONTAL CLEARANCE TYP.
+ 28.00'
36"
36"
+ 27.16'
4'-0"
17'-2"
20'-0"


E 141st St
Southern Blvd
FACILITY ENTRY

LEGEND

- PROPERTY LINE
- EXISTING UTILITIES
- EXISTING NYC DOT LIGHT POLE
- EXISTING TRAFFIC SIGN/SIGNAL
- CRASH RATED BOLLARD
- NYPD BARRIER
- CRASH RATED PLANTERS
- BIKE RACKS
- CRASH RATED KNEE WALL
- CONCRETE BENCHES WITH RECYCLED PLASTIC LUMBER SEAT
- CONCRETE BENCHES
- NYC DOT SIDEWALK / EXPOSED AGGREGATE
- PERMEABLE PAVING
- GRANITE PAVING
- BIOSWALE PLANTINGS
- UNDERSTORY PLANTINGS
- UNDERSTORY TREE
- SHADE TREE


Community /
Retail
Bruckner
Blvd
E 141st St
T
TS
TS


EXTENSIVE SEDUM GREEN ROOF ON 2ND FLOOR
PROPERTY LINE
COMMUNITY /
RETAIL ENTRY
PLANTED ISLAND
INDIGENOUS BOULDERS
EXCAVATED ON SITE
GRANITE PAVEMENT
GRANITE PAVEMENT
BAND ON REINF. CONC.
VEGETATION CLEAR ZONE
NYC DOT PEDESTRIAN
RAMPS W/ DETECTABLE
WARNING
CRASH RATED BOLLARDS,
SEE CIVIL DWG
PERMEABLE PAVING
NYC DOT SIDEWALK W/
EXPOSED AGGREGATE
CONCRETE SEAT WALL
W/ HANDRAILS
GRANITE PAVEMENT
GRANITE PAVEMENT
BAND ON REINF. CONC.
E 141ST STREET
4'-0" MAX. HORIZONTAL CLEARANCE TYP.
+ FFE
23.00'
+ 22.90'
+ 22.40'
+ 22.00'
6'-0"
3'-0"
1'-6"
3'-0"
36"
4'-0"
10'-0"
6'-9"
21'-9"
6'-4"
9'-9"
8'-1"

LEGEND

- PROPERTY LINE
- 24"X24" PAVER ON PEDESTAL
- EXTENSIVE GREEN ROOF
- UNDERSTORY PLANTINGS
- HAND-SEWN DRIFT PLANT
- SHRUBS
- SHADE TREE - EVERGREEN
- UNDERSTORY TREE - DECIDUOUS

0' 20' 40' 80' 120'

SCALE: 1" = 40'-0"

MATERIALS PALETTE

PAVING /EDGING


Exposed aggregate concrete


Permeable paver


Granite paver


NYC DOT bike rack

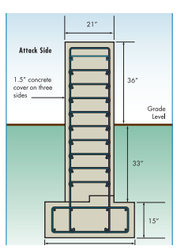

Painted steel edge

SECURITY ELEMENTS


Crash-rated bollard finish TBD


Crash-rated planters


NYPD blocks finish TBD



Crash-rated knee wall


Crash-rated furnish-ing

SEATING


Concrete seatwalls


Wood slat benches


Indigineous boulders

PLANT PALETTE

SHADE TREES


Gleditsia triacanthos Honey Locust


Platanus × acerifolia London Plane

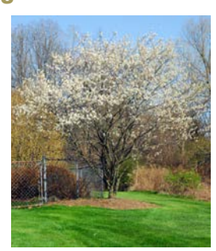

Quercus phellos Willow Oak


Ulmus americana ‘Princeton’ Princeton Elm


Tilia cordata Littleleaf Linden

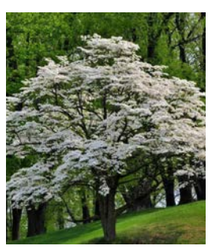
UNDERSTORY TREES


Acer buergerianum Trident Maple


Amelanchier canadensis Shadbush


Cercis canadensis Eastern Redbud


Halesia carolina Silverbell


Cornus florida Dogwood

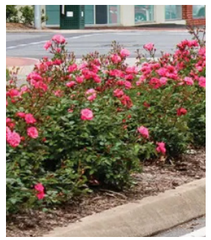
UNDERSTORY SHRUBS


Hydrangea quercifolia Oakleaf Hydrangea


Aronia melanocarpa Red Chokeberry


Rhus aromatica ‘Gro-Low’ Gro-Low Sumac


Ilex verticillata Winterberry


Rose spp. Dwarf Shrub Rose

BIOSWALE PLANTING


Pycanthemum muticum Mountain Mint


Asclepias incarnata Milkweed


Panicum virgatum ‘Shenandoah’ Switch Grass


Nepeta racemosa ‘Walker’s Low’ Catmint


Acorus calamus ‘Variegatus’ Sweet Flag

Department of Design and Construction
TRG DESIGN-BUILD
URBAHN CETRARUDDY
LUMEN QRP

BOROUGH-BASED JAIL - THE BRONX FACILITY
CONCEPTUAL REVIEW
April 28th, 2025

STREETSCAPE RENDERINGS

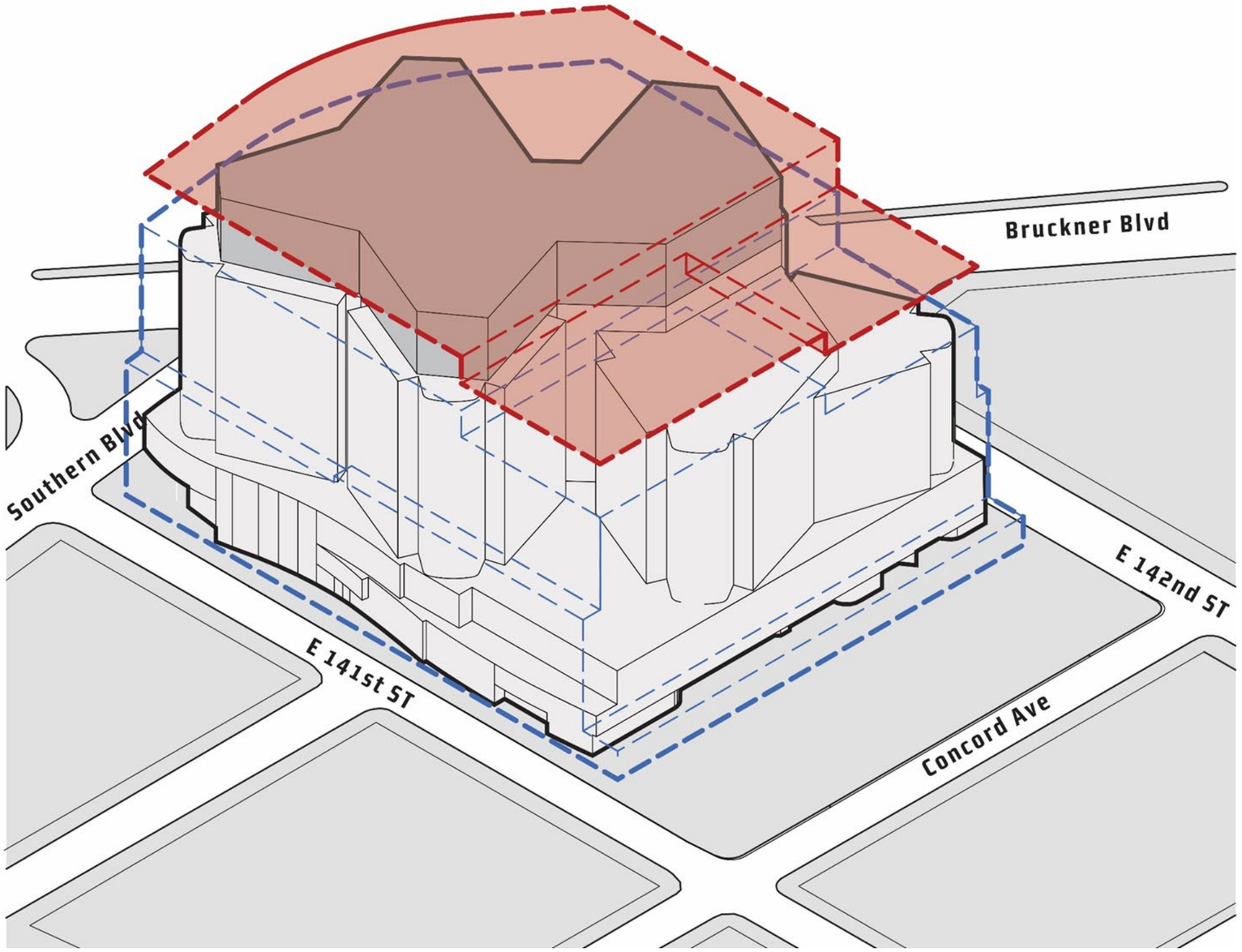
Scale: NTS

EAST 141ST STREET


STOP


NEW YORK CITY DEPARTMENT OF CORRECTION

APPENDIX

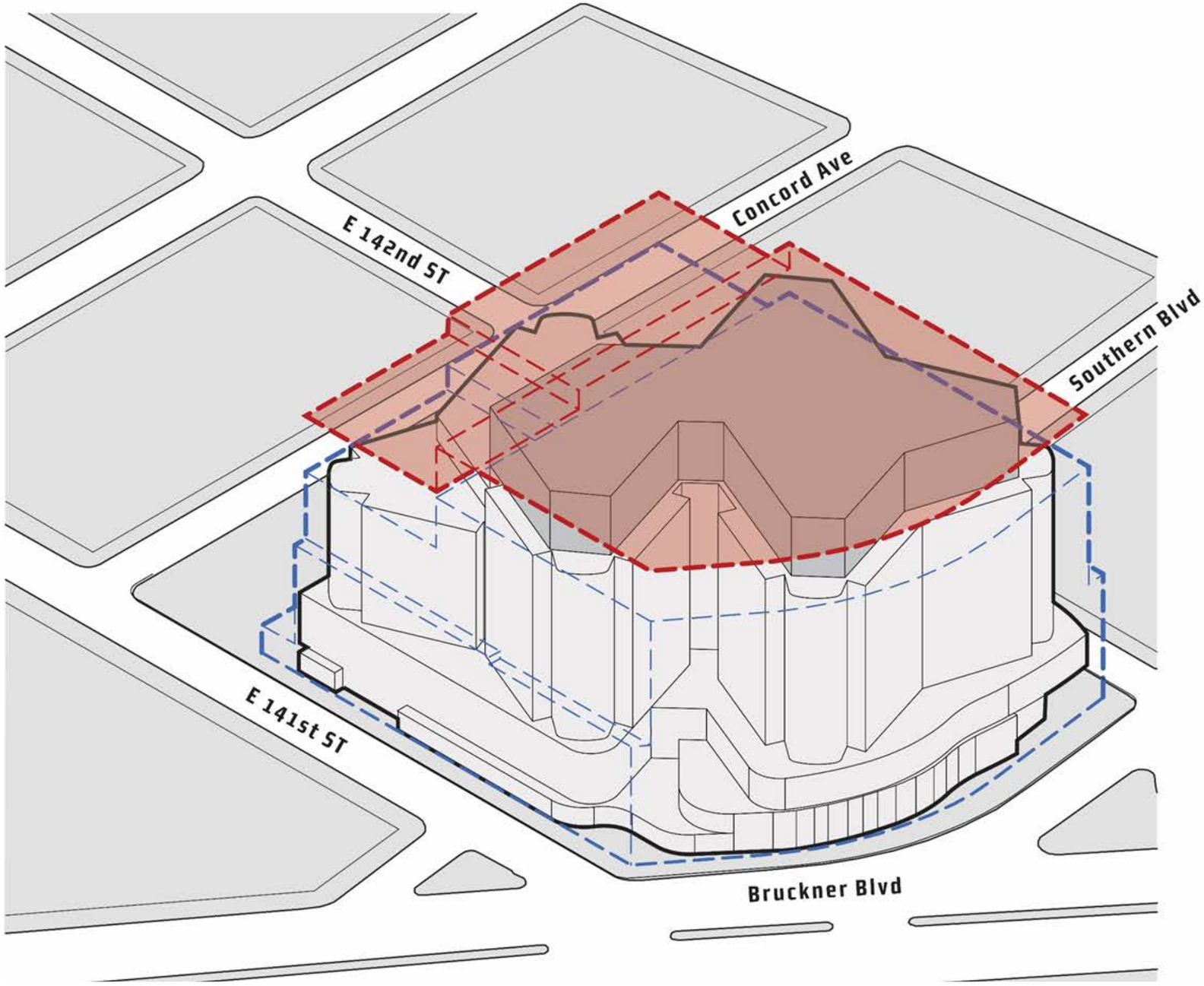


LEGEND

MAXIMUM BUILDING ENVELOPE

MAXIMUM MECHANICAL ENVELOPE

N

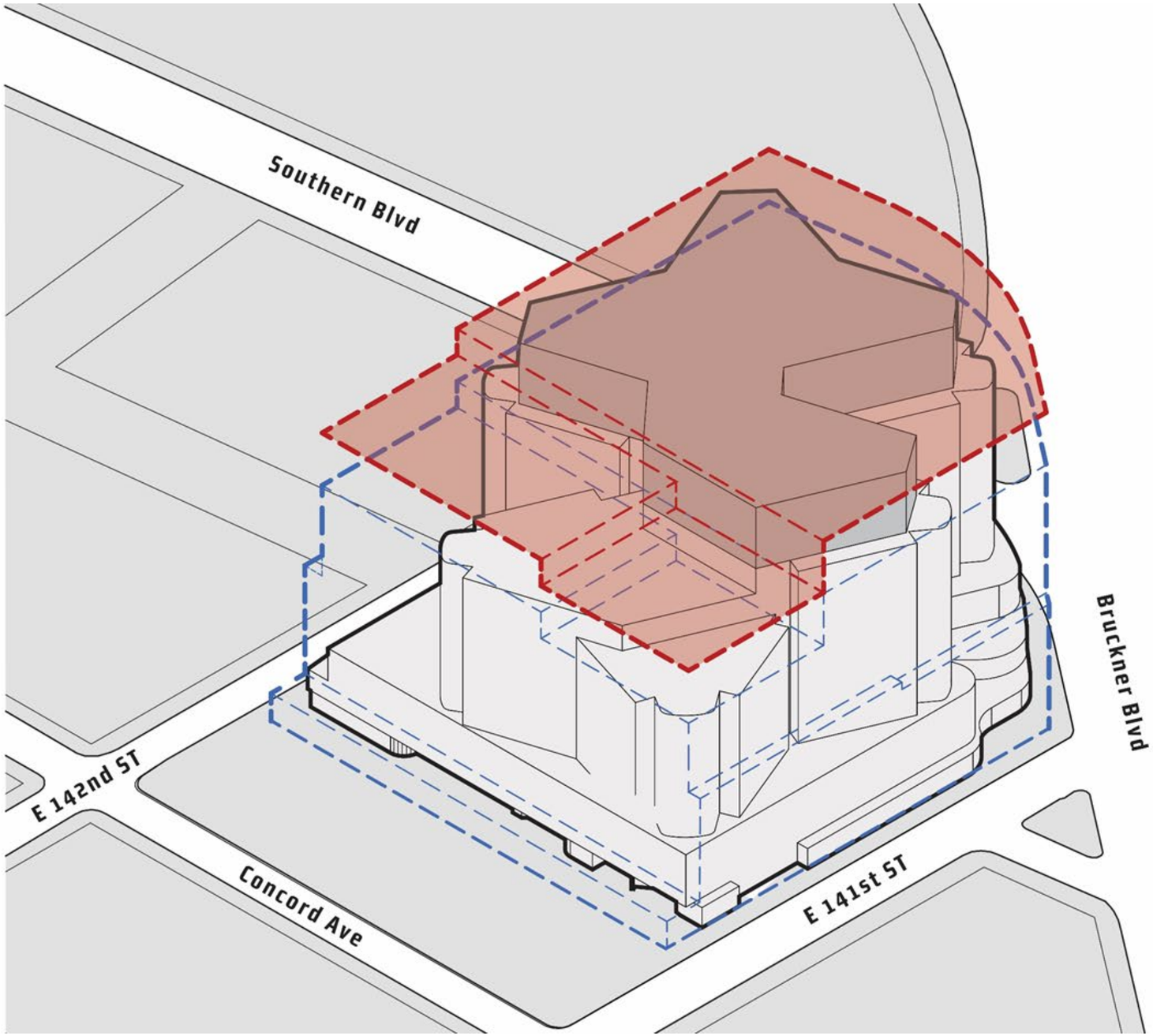


LEGEND

MAXIMUM BUILDING ENVELOPE

MAXIMUM MECHANICAL ENVELOPE

N

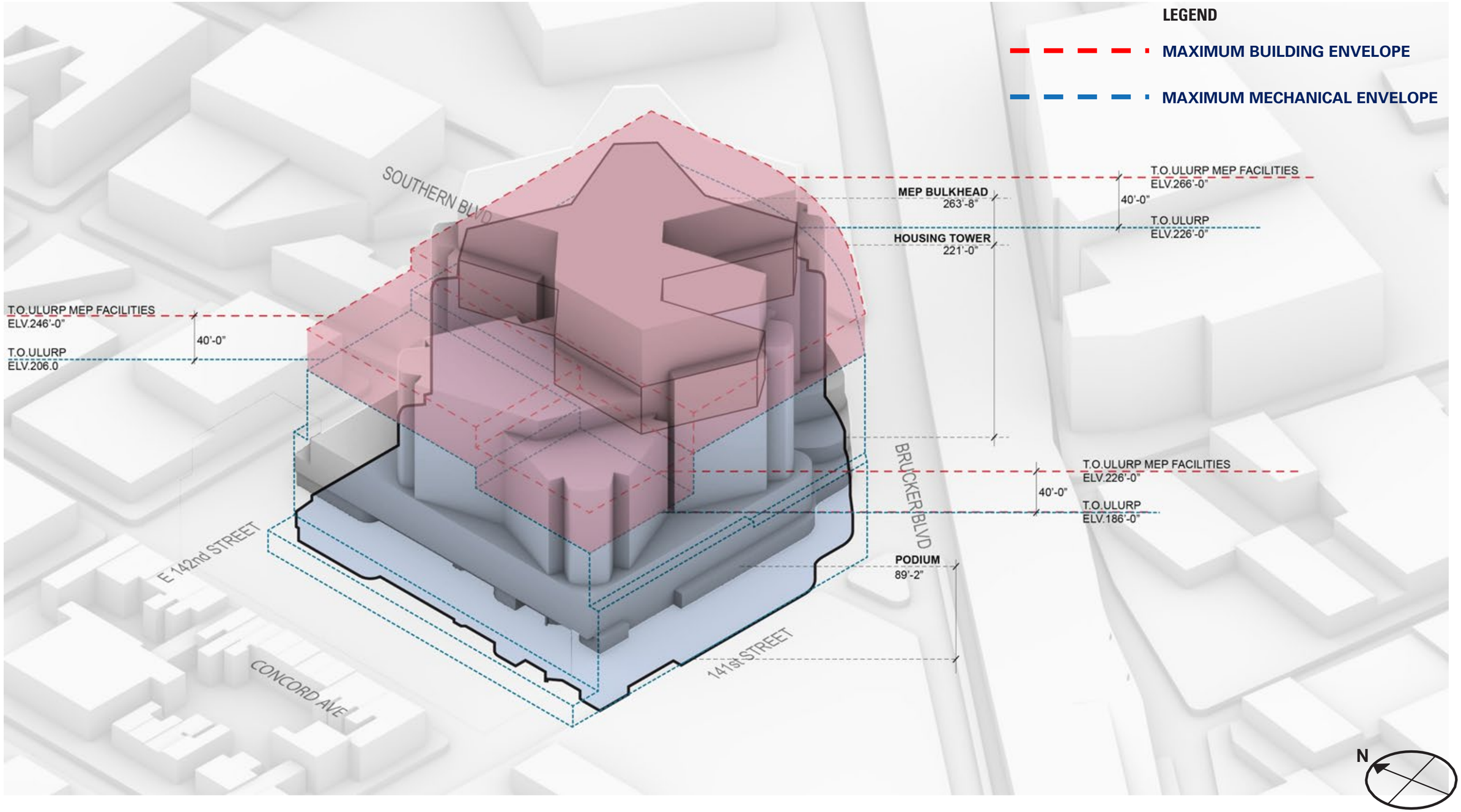


LEGEND

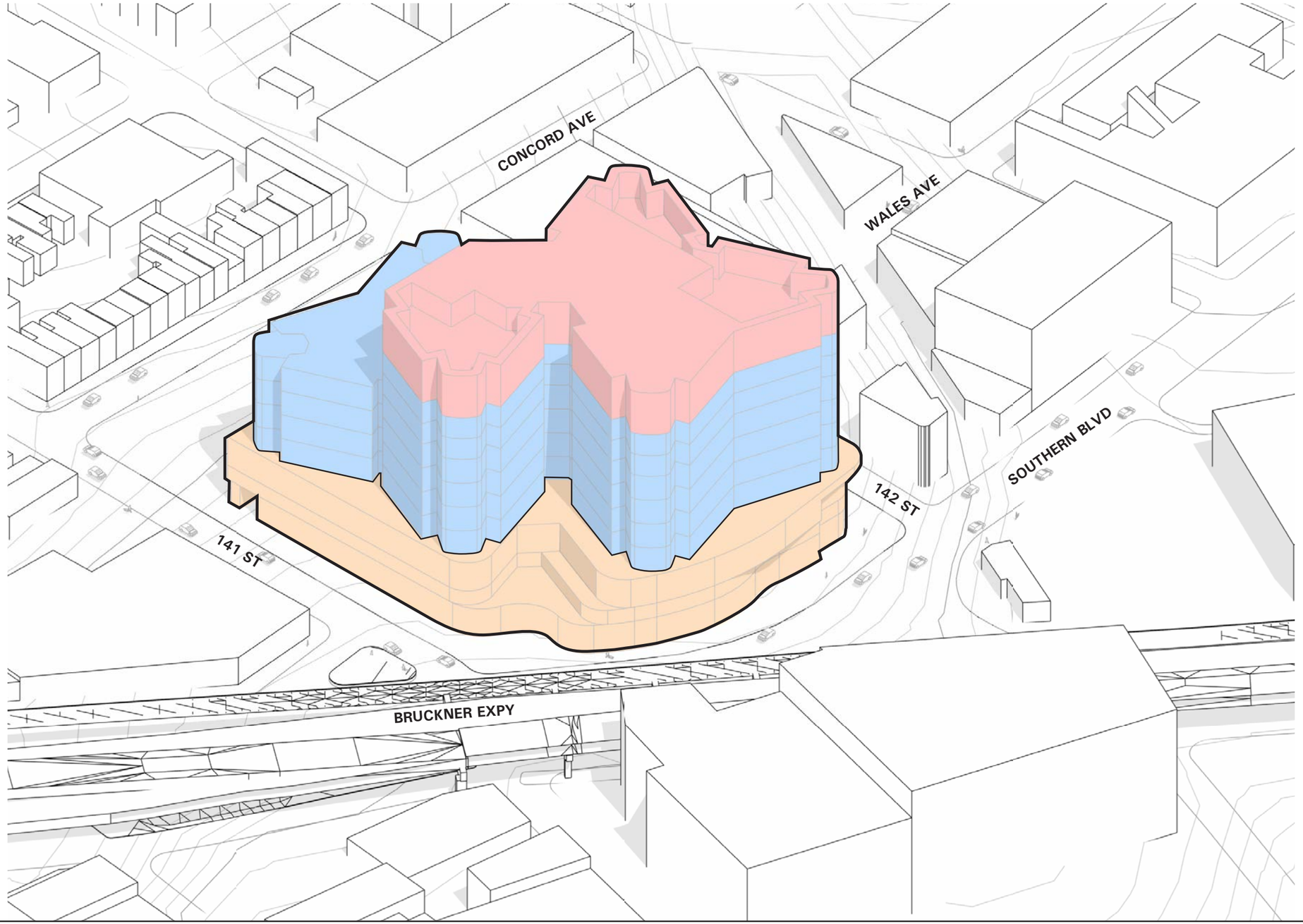
MAXIMUM BUILDING ENVELOPE

MAXIMUM MECHANICAL ENVELOPE

N


LEGEND
MAXIMUM BUILDING ENVELOPE
MAXIMUM MECHANICAL ENVELOPE
SOUTHERN BLVD
T.O.ULURP MEP FACILITIES
ELV.266'-0"
40'-0"
T.O.ULURP
ELV.226'-0"
MEP BULKHEAD
263'-8"
HOUSING TOWER
221'-0"
T.O.ULURP MEP FACILITIES
ELV.246'-0"
40'-0"
T.O.ULURP
ELV.206.0
BRUCKER BLVD
T.O.ULURP MEP FACILITIES
ELV.226'-0"
40'-0"
T.O.ULURP
ELV.186'-0"
PODIUM
89'-2"
E 142nd STREET
CONCORD AVE
141st STREET
N

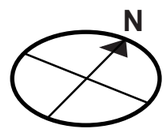
MASSING STUDY



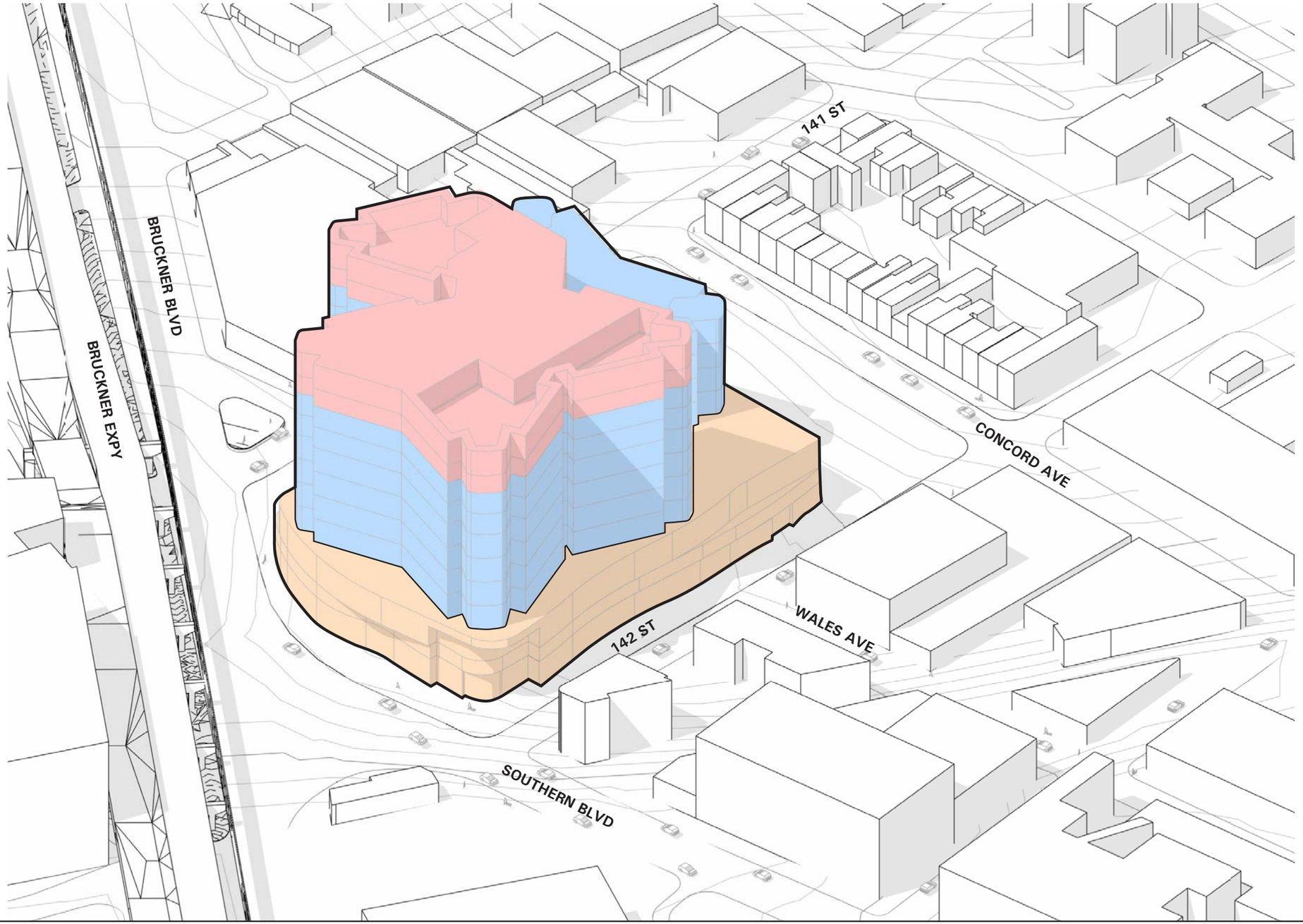
LEGEND

- Core/Mechanical
- Housing
- Base

Our strategic organization at the podium allows for defining "moments" for welcoming entry points within the complex programmatic requirements. The materiality of the facade establishes opportunities to relate to the neighborhood context and works to interpret the massing of the building.

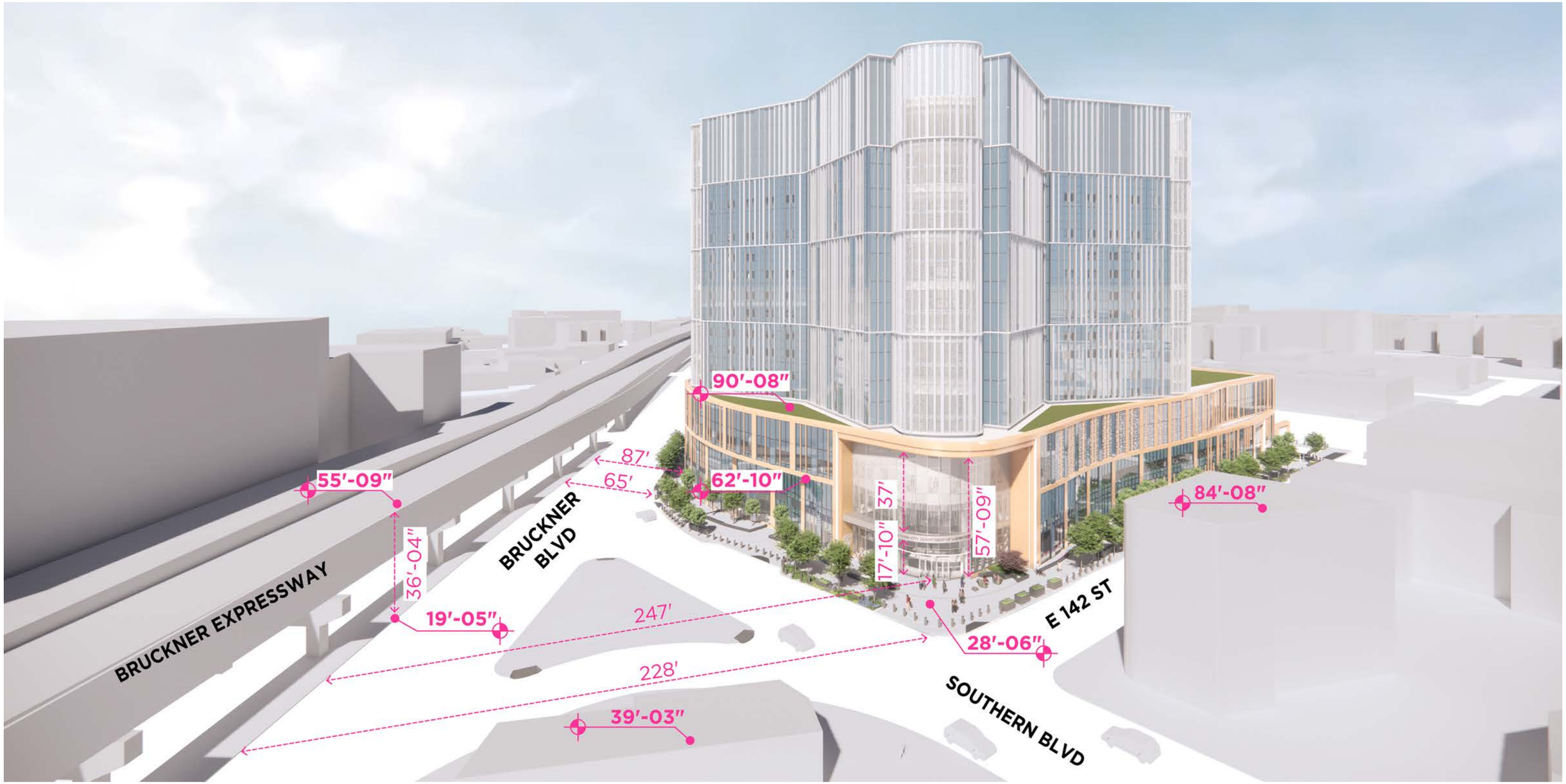


MASSING STUDY



LEGEND

- Core/Mechanical
- Housing
- Base


90′-08″
87′
65′
62′-10″
37′
17′-10″
57′-09″
84′-08″
55′-09″
36′-04″
19′-05″
247′
228′
39′-03″
28′-06″
BRUCKNER BLVD
BRUCKNER EXPRESSWAY
E 142 ST
SOUTHERN BLVD

Department of Design and Construction

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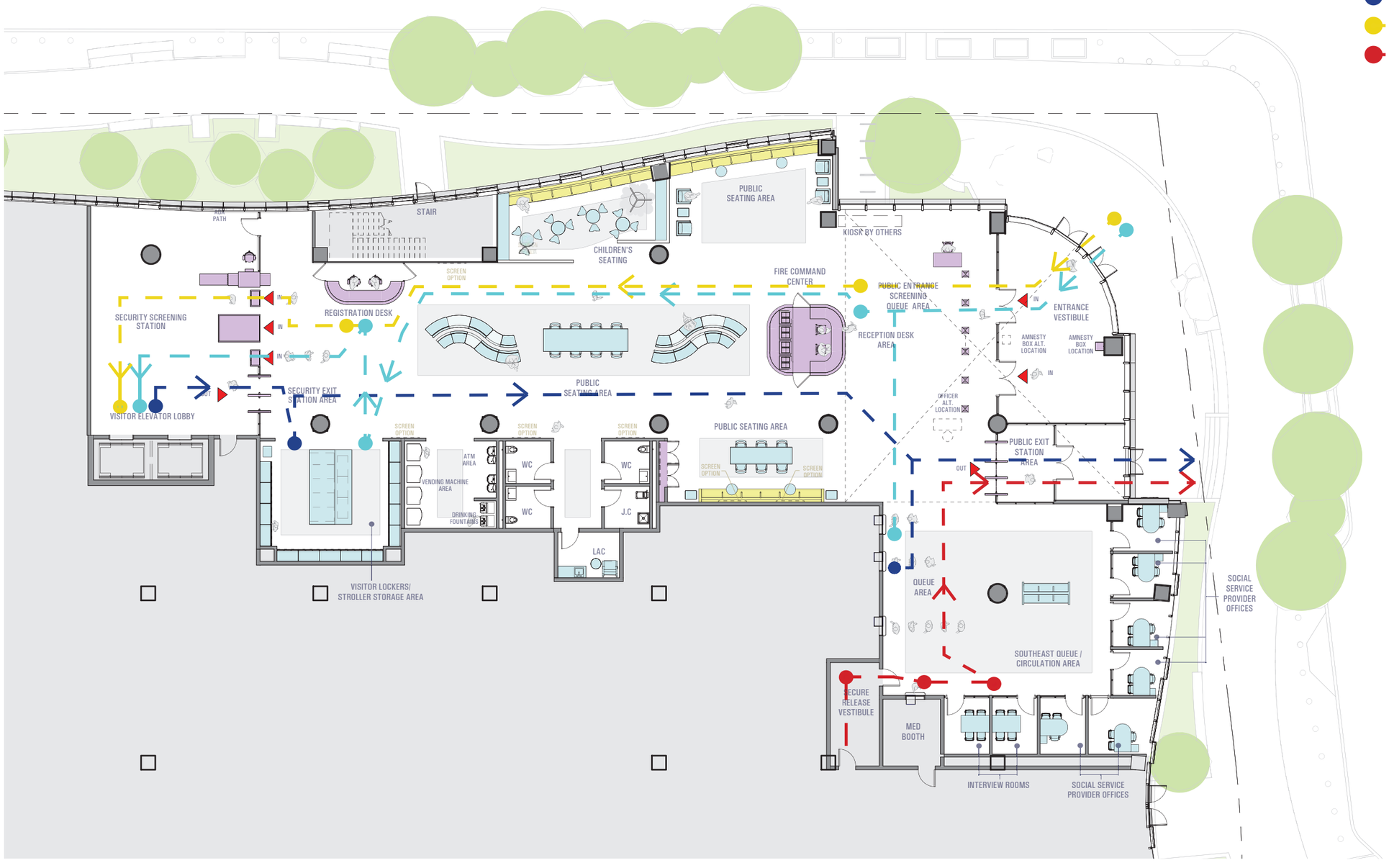
URBAHN CETRARUDDY LUMEN QRP

BOROUGH-BASED JAIL - THE BRONX FACILITY
CONCEPTUAL REVIEW
April 28th, 2025

MATERIAL CONCEPT

Scale: NTS

VIEW FROM BRUCKNER BOULEVARD



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URBAHN CETRARUDDY LUMEN QRP

BOROUGH-BASED JAIL - THE BRONX FACILITY
CONCEPTUAL REVIEW
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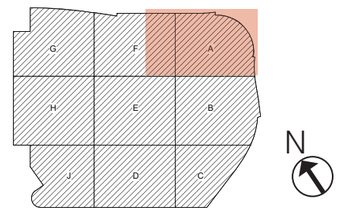
INTERIOR SPACES

Scale: NTS

PUBLIC LOBBY PLAN
- CIRCULATION



Department of Design and Construction
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URBAHN
CETRARUDDY
LUMEN
QRP

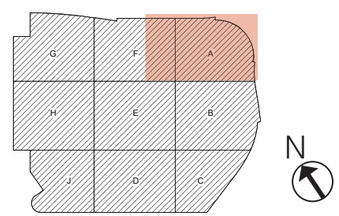
BOROUGH-BASED JAIL - THE BRONX FACILITY
CONCEPTUAL REVIEW
April 28th, 2025

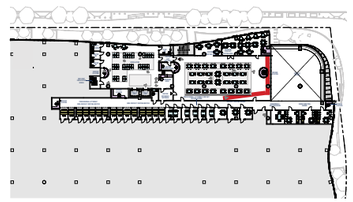
INTERIOR SPACES

Scale: NTS

VISITING PLAN
- CIRCULATION


LACT. ROOM
VISITOR WC
VISITOR WC
VISITOR WC
OFFICER STATION
DOC VISIT FACILITATOR OFFICE
CIRCULATION
STAFF WC
VISITOR EXIT VESTIBULE
VISITING CONTROL ROOM
SCREENING AREA
CHILDREN'S VISITING AREA
OUTDOOR CONTACT VISITING AREA
OFFICER STATION
OPEN TO BELOW
OFFICER STATION
ELEV TO LOBBY
ELEV TO LOBBY
JC
VISITOR ENTRANCE VESTIBULE
PROFESSIONAL / ATTORNEY CONTACT VISITING ROOMS
CONTACT VISITING ROOMS
CONFERENCE / MEETING ROOM
FAMILY MEETING ROOMS
OFFICER STATION
OFFICER STATION
PROFESSIONAL ATTORNEY NON-CONTACT VISITING BOOTHS
NON CONTACT VISITING BOOTHS
OFFICER
OFFICER SIGHTLINES


G
F
A
H
E
B
J
D
C
N



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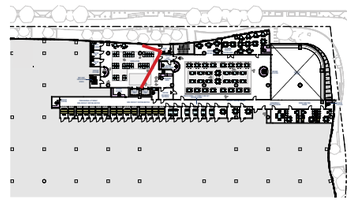
URBAHN CETRARUDDY
LUMEN QRP

BOROUGH-BASED JAIL - THE BRONX FACILITY
CONCEPTUAL REVIEW
April 28th, 2025

INTERIOR SPACES

Scale: NTS

CONTACT VISITING AREA



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Department of Design and Construction

TRG DESIGN-BUILD

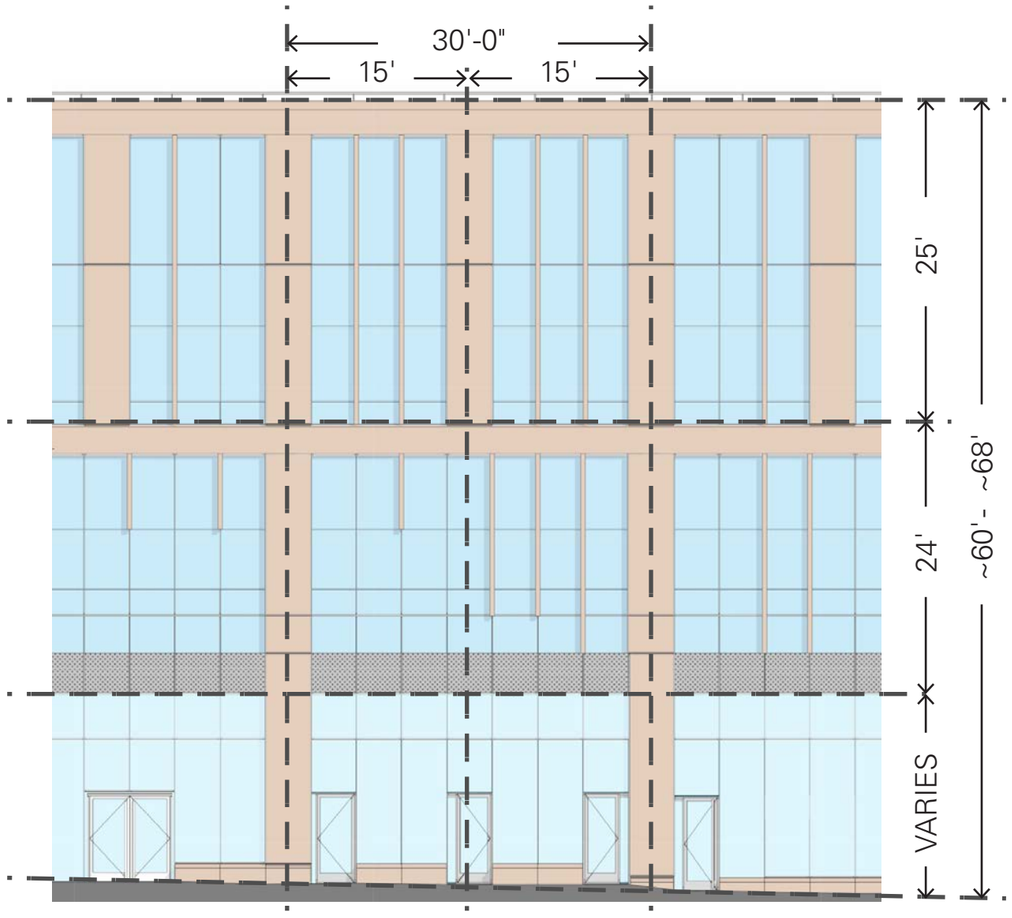
URBAHN CETRARUDDY LUMEN QRP

BOROUGH-BASED JAIL - THE BRONX FACILITY
CONCEPTUAL REVIEW
April 28th, 2025

INTERIOR SPACES

Scale: NTS

PUBLIC LOBBY
- VIEW LOOKING WEST



BASE FACADE SCALE AND PROPORTION

INDUSTRIAL FACADE SCALE AND PROPORTION

FUNCTIONALITY OF FACADE AT PODIUM

1/ SECURITY SCREEN

IN
OUT

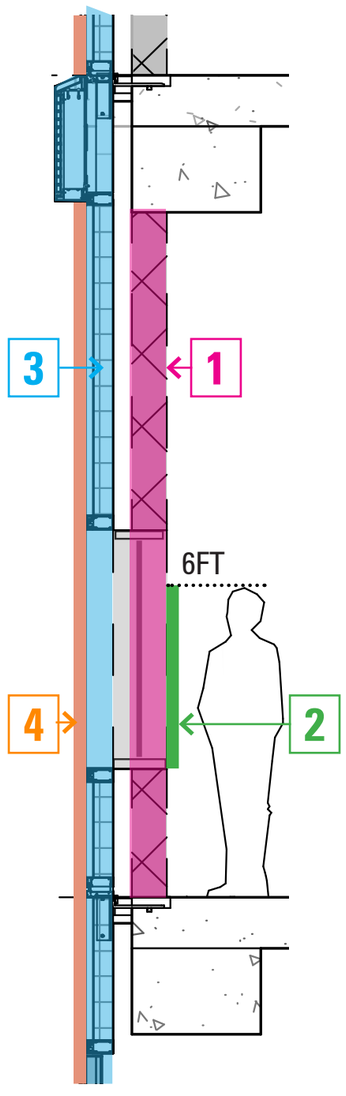
2/ SIGHTLINE CONTROL

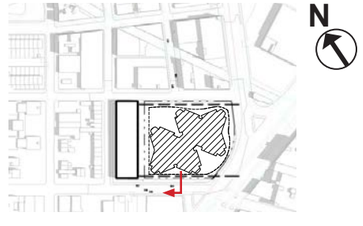
WITH NEIGHBORHOOD
WITH FACILITY

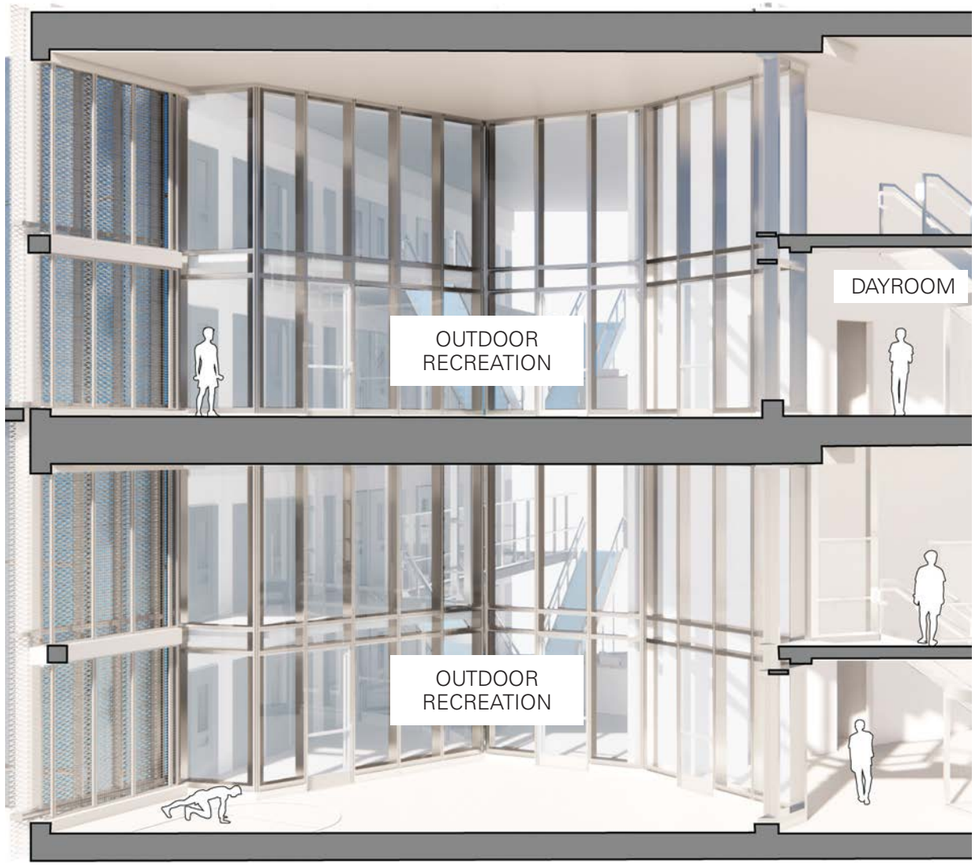
3/ USER EXPERIENCE

FROM INSIDE
FROM OUTSIDE

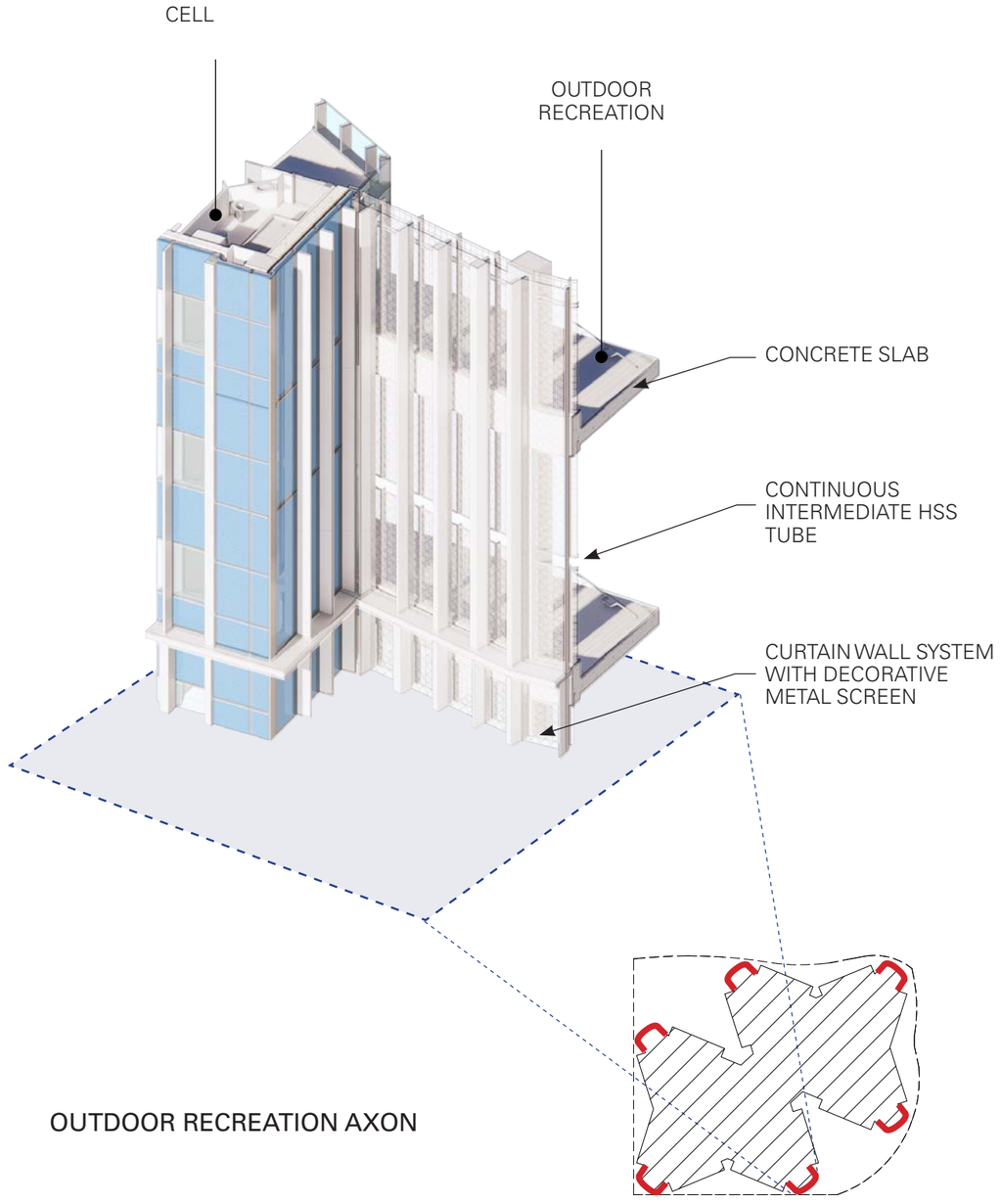
4/ BIRD SAFETY



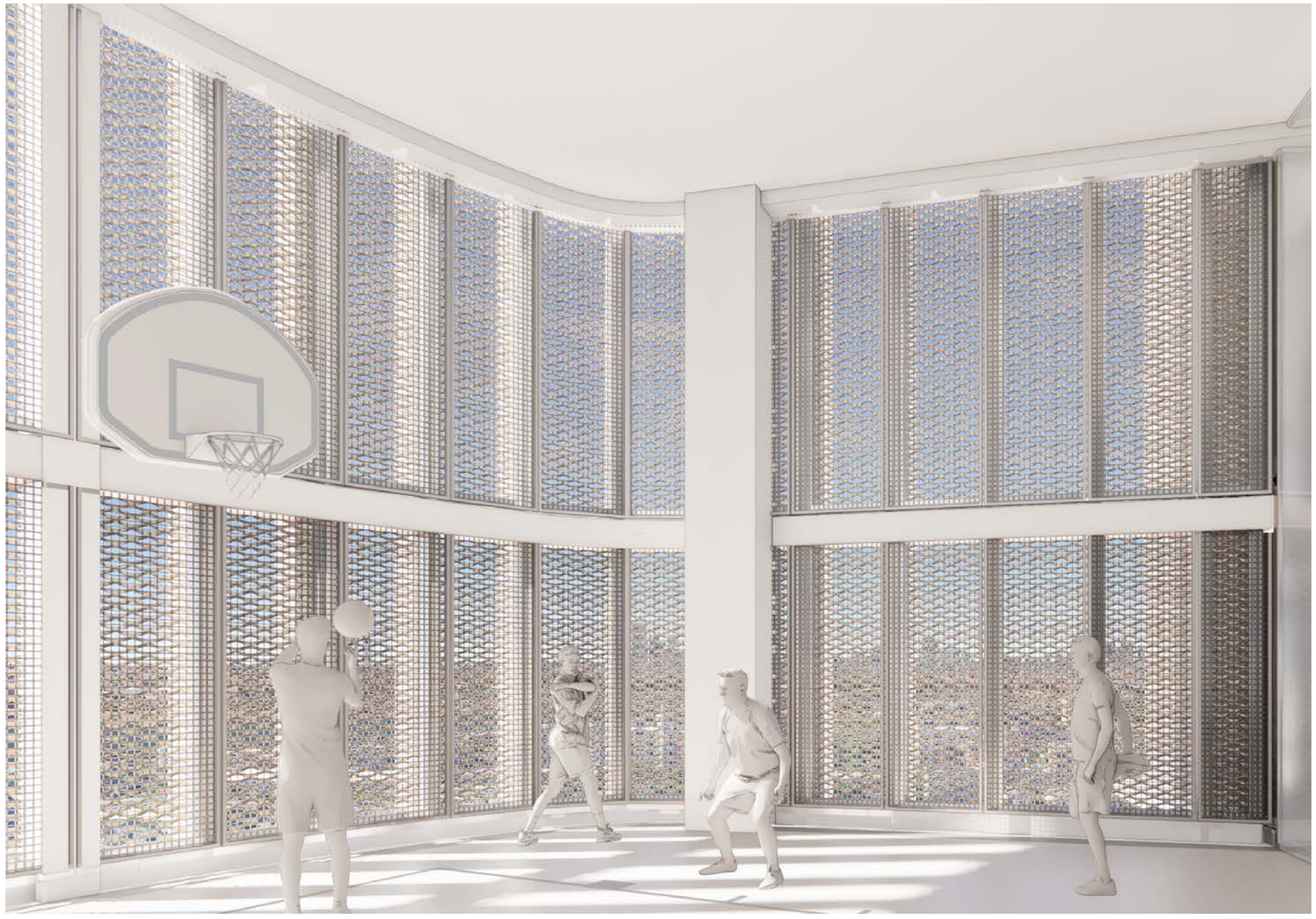




OUTDOOR RECREATION
PERSPECTIVE SECTION



OUTDOOR RECREATION AXON



VIEW OF THE OUTDOOR RECREATION

1/ SECURITY SCREEN

IN

OUT

2/ SIGHTLINE CONTROL

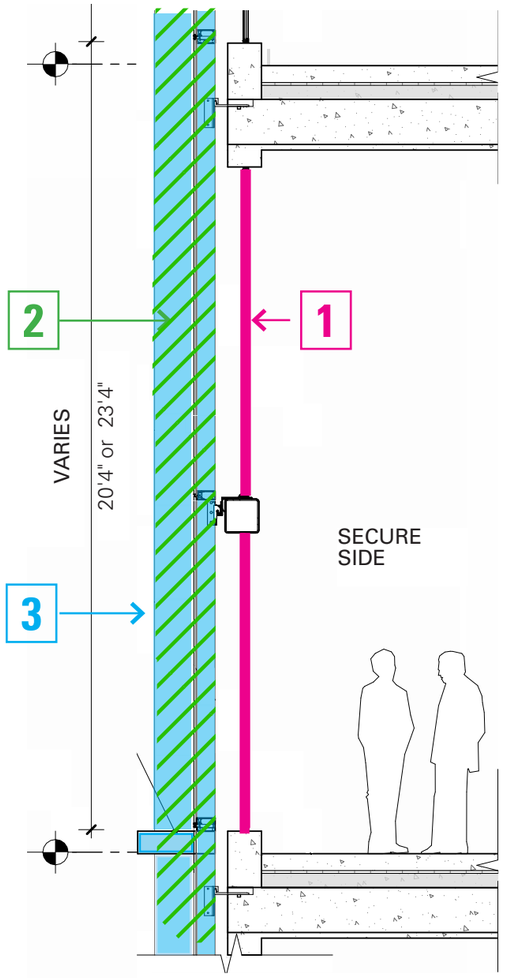
WITH NEIGHBORHOOD

WITH FACILITY

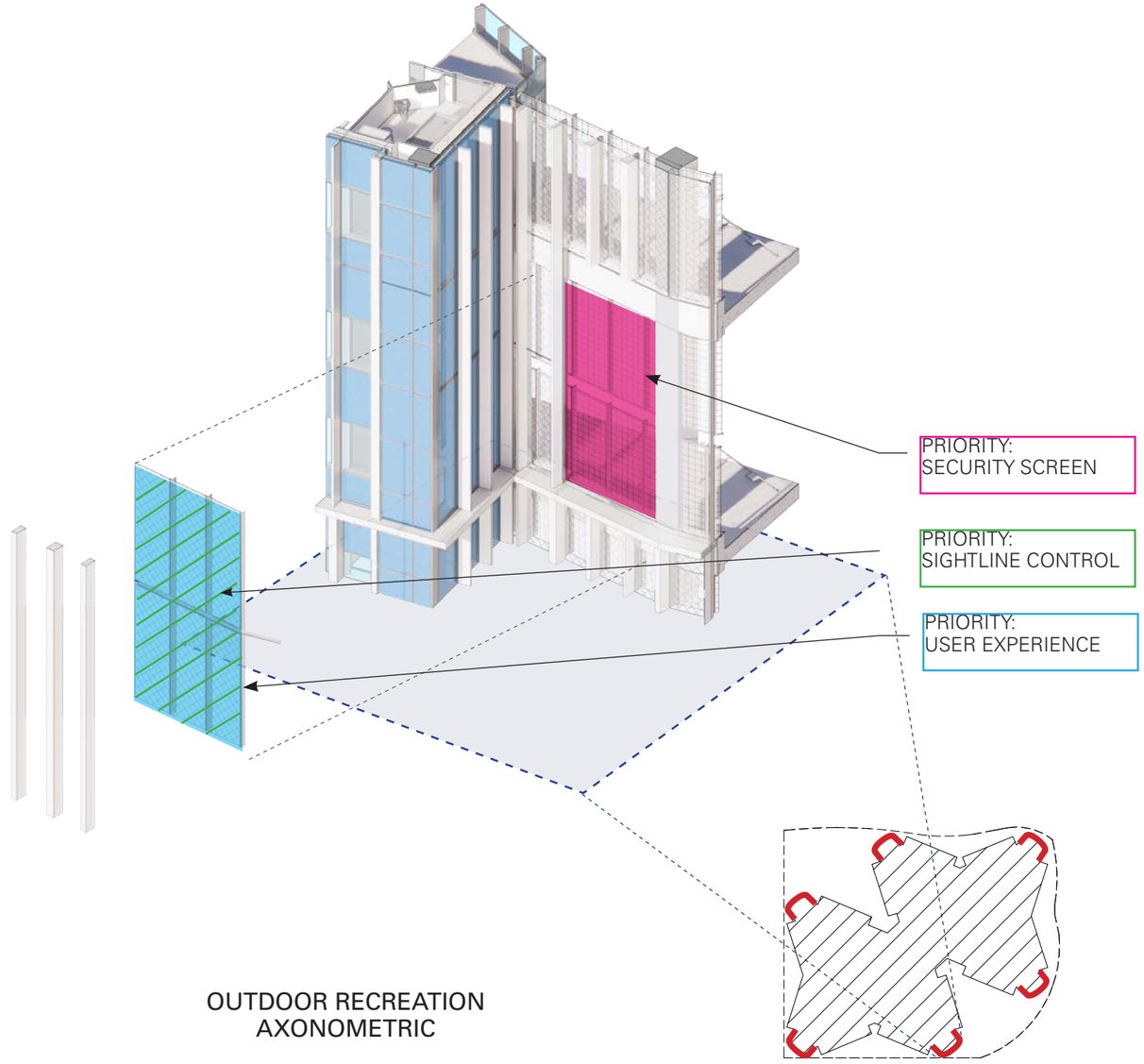
3/ USER EXPERIENCE

FROM INSIDE

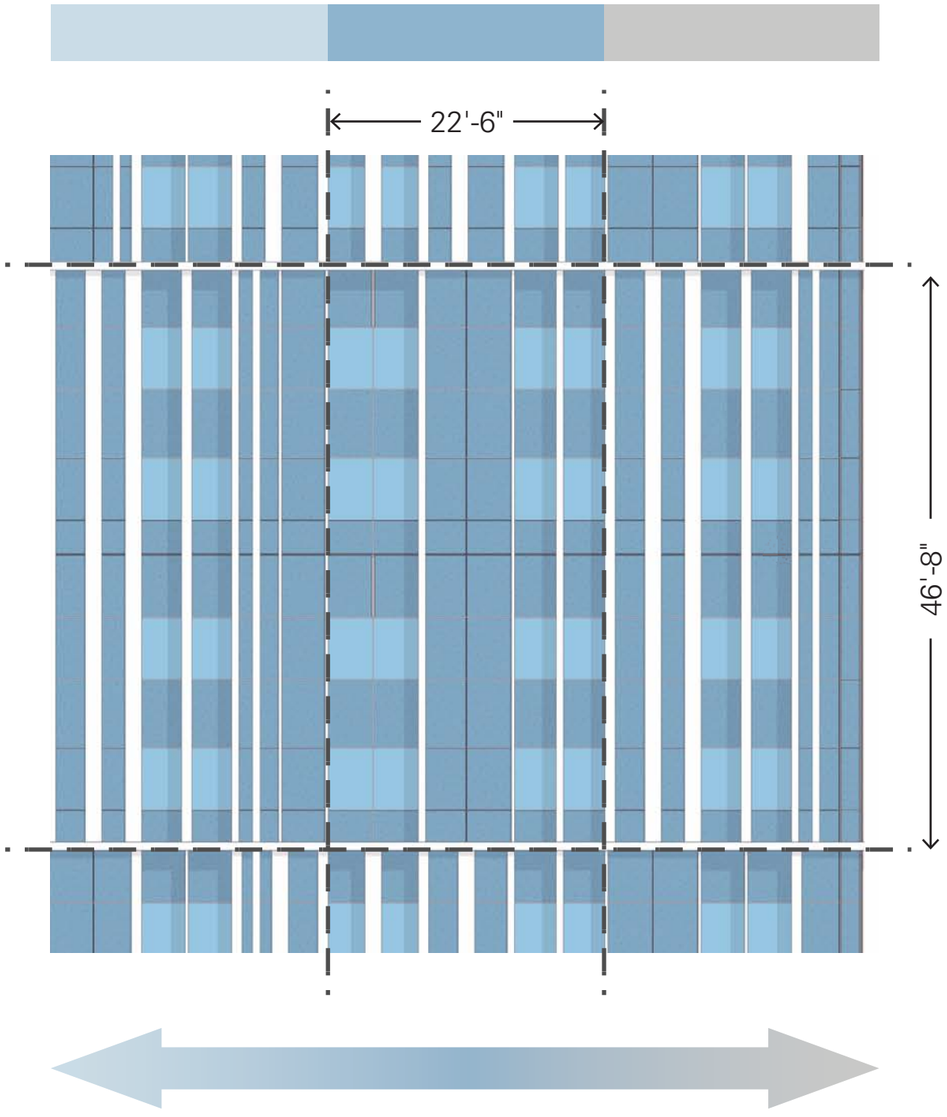
FROM OUTSIDE



TOWER FACADE - OUTDOOR RECREATION
AXONOMETRIC

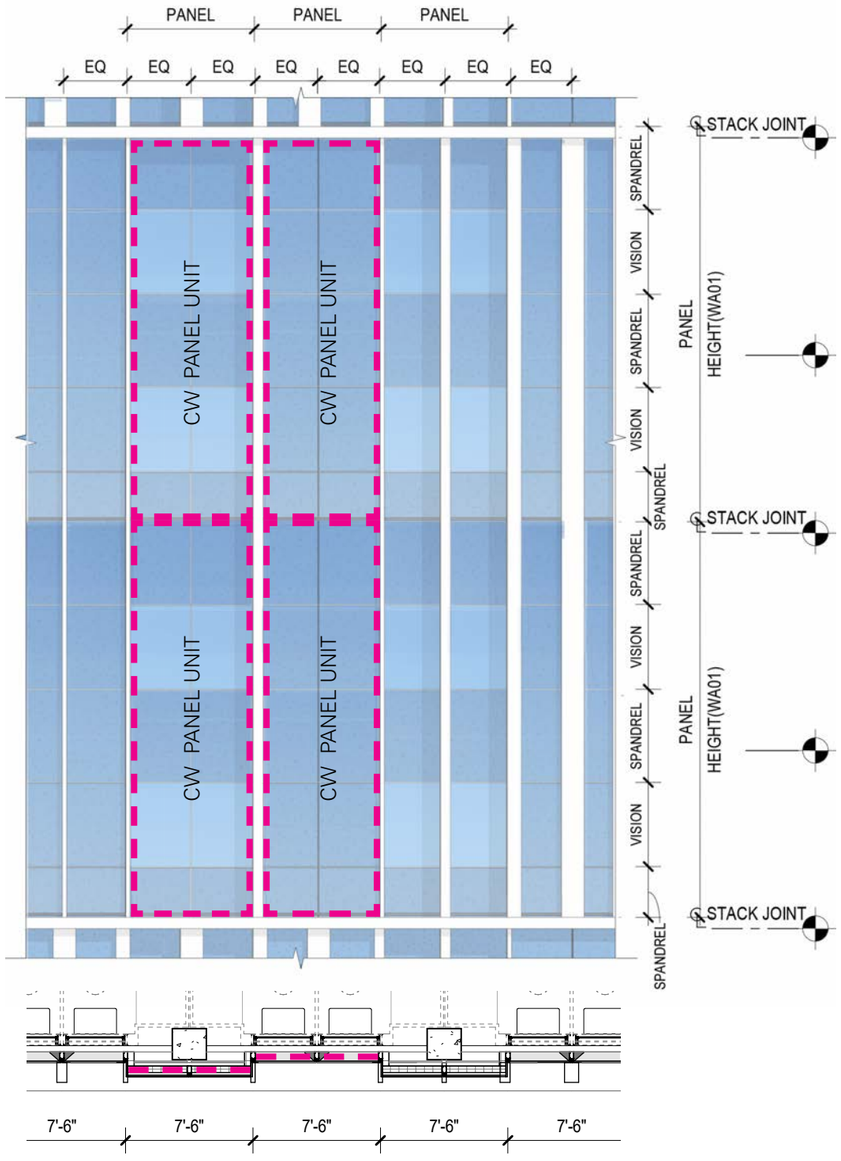


OUTDOOR RECREATION
AXONOMETRIC

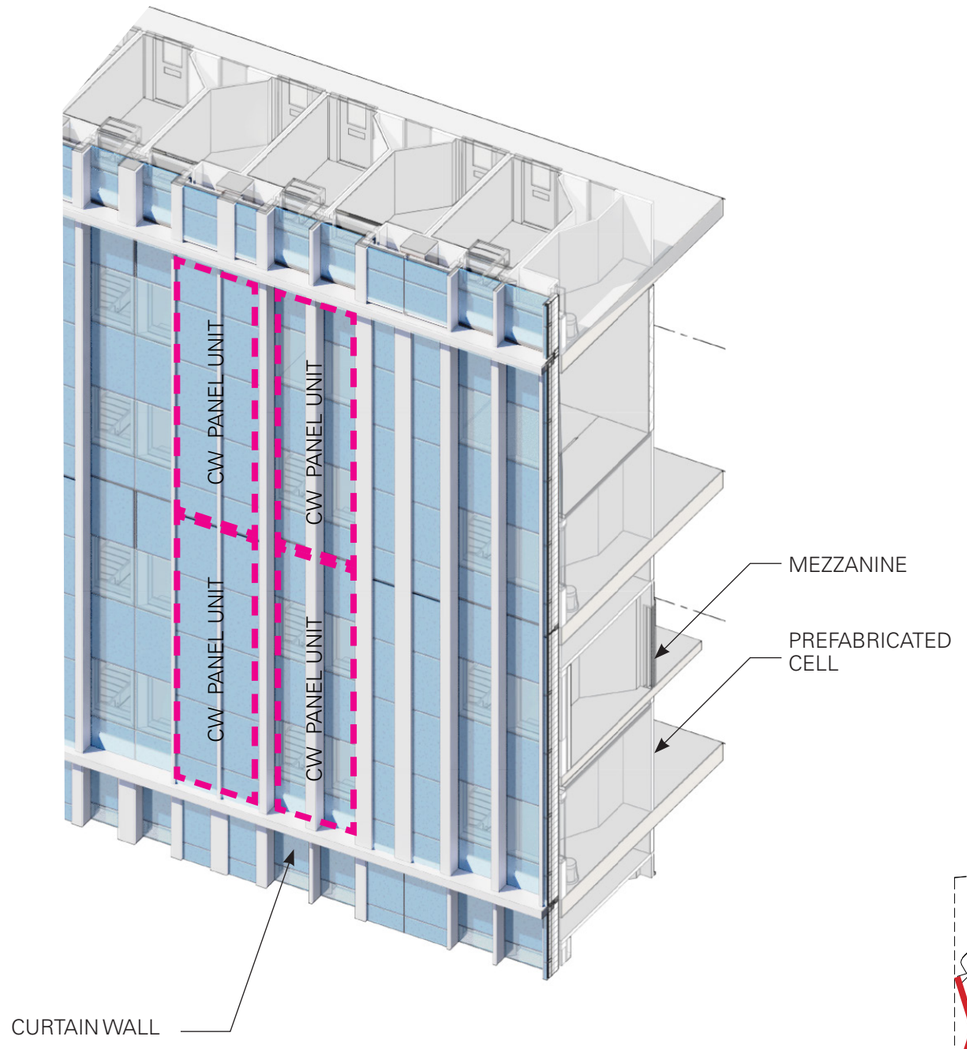


TOWER FACADE SCALE AND PROPORTION

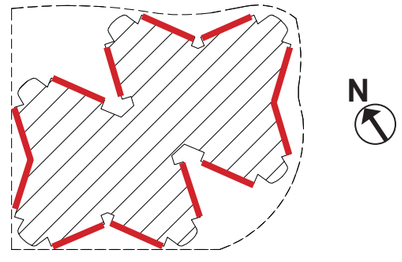
BROWNSTONE FACADE SCALE AND PROPORTION

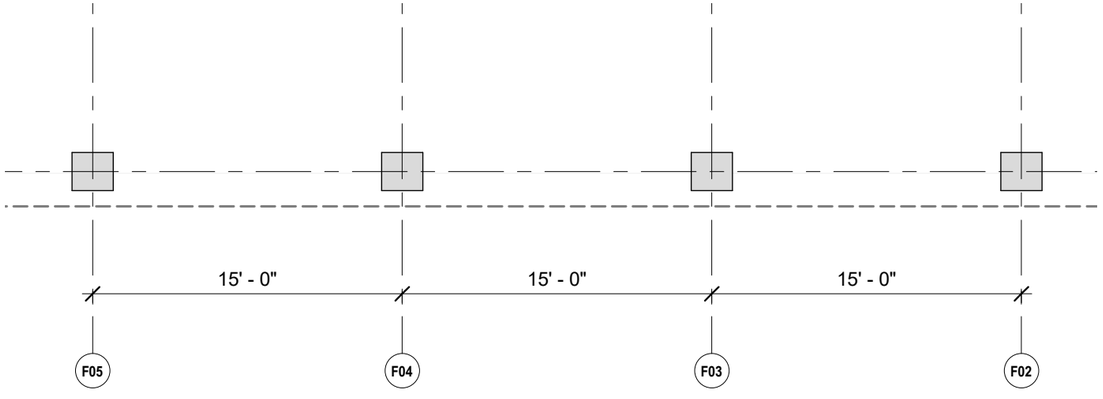


ENLARGED ELEVATION OF CELL FACADE

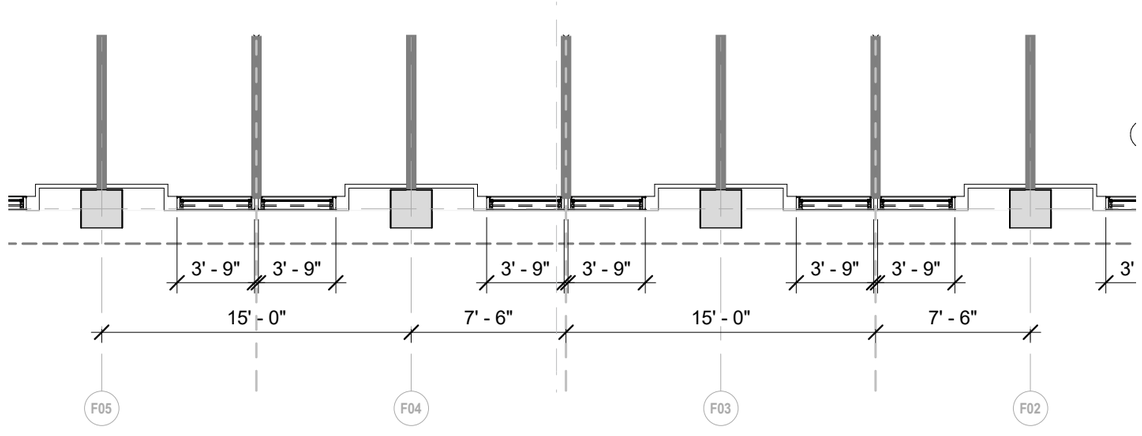


AXONOMETRIC OF CELL FACADE

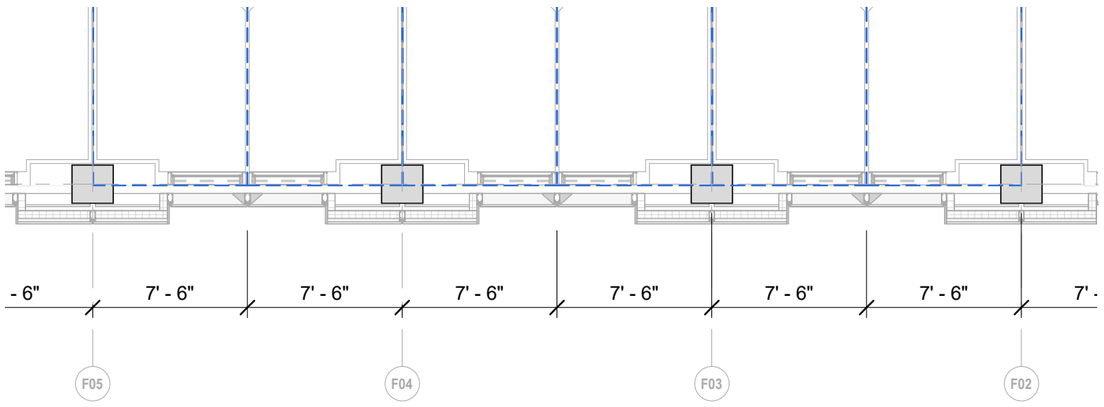




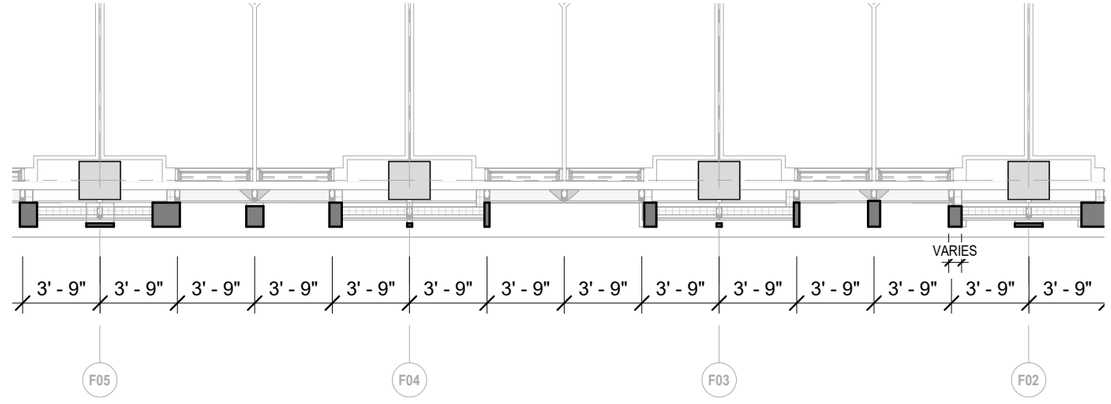
1. STRUCTURAL GRID AT 15′ - 0″



2. WINDOWS MODULE AT 3′ - 9″



3. CELL PANEL MODULE AT 7′ - 6″



4. FINS WITH VARIOUS WIDTH FOLLOW WINDOW MODULE

PREVIOUS SUBMISSION 10/18/2024

CURRENT SUBMISSION

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URBAHN CETRARUDDY
LUMEN QRP

BOROUGH-BASED JAIL - THE BRONX FACILITY
CONCEPTUAL REVIEW
April 28th, 2025

REVISIONS

Scale: NTS

AERIAL VIEW FROM SOUTHEAST

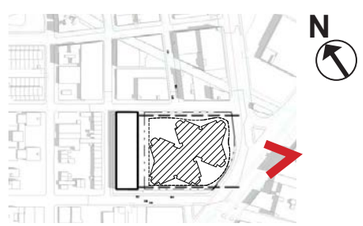
PREVIOUS SUBMISSION 10/18/2024

CURRENT SUBMISSION

The panels are 7′ 6″ X 23′ 4″; previous submission panels are alternating between 3′ 9″ X 23′4″ and 11′3″ X 23′4″. (Summary of Changes Item #5)

Public entrance update:
1. Roof and glass shape is revised
2. Added canopy to reduce scale
3. Canopy and signage are re-oriented towards the corner

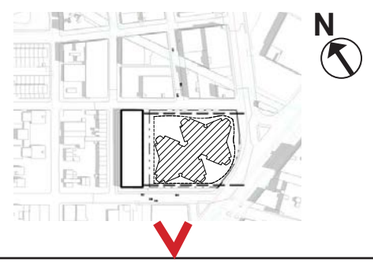
(Summary of Changes Item #1)

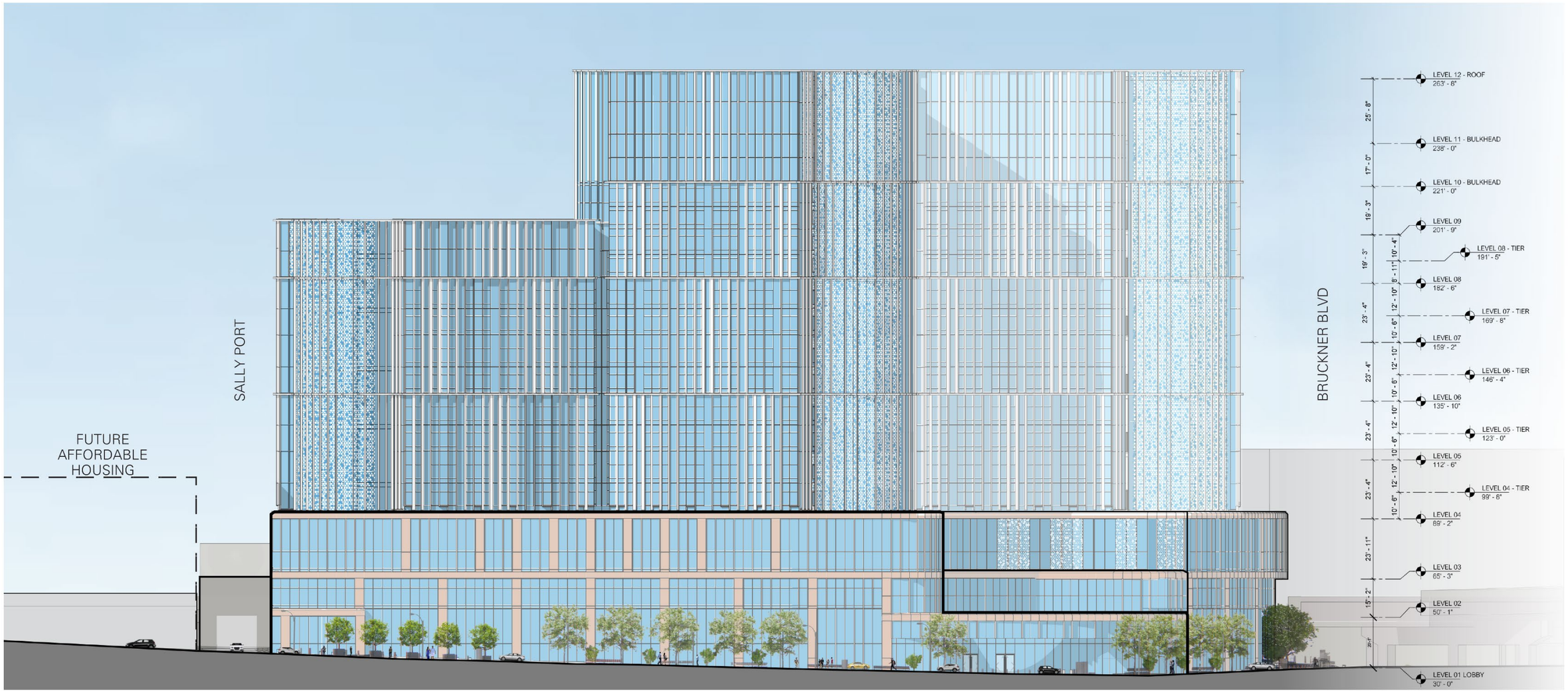


PREVIOUS SUBMISSION 10/18/2024

CURRENT SUBMISSION

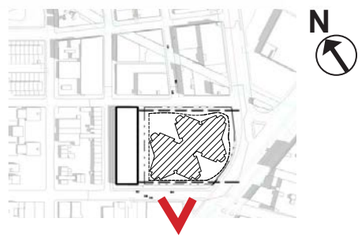
Level 8 massing is reduced by consolidating MEP with Level 10. (Summary of Changes Item #4)





0' 20' 40' 80' 120'

SCALE: 1" = 40'-0"



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Scale: 1" = 40'-0"

SOUTH ELEVATION - 11/18/2024

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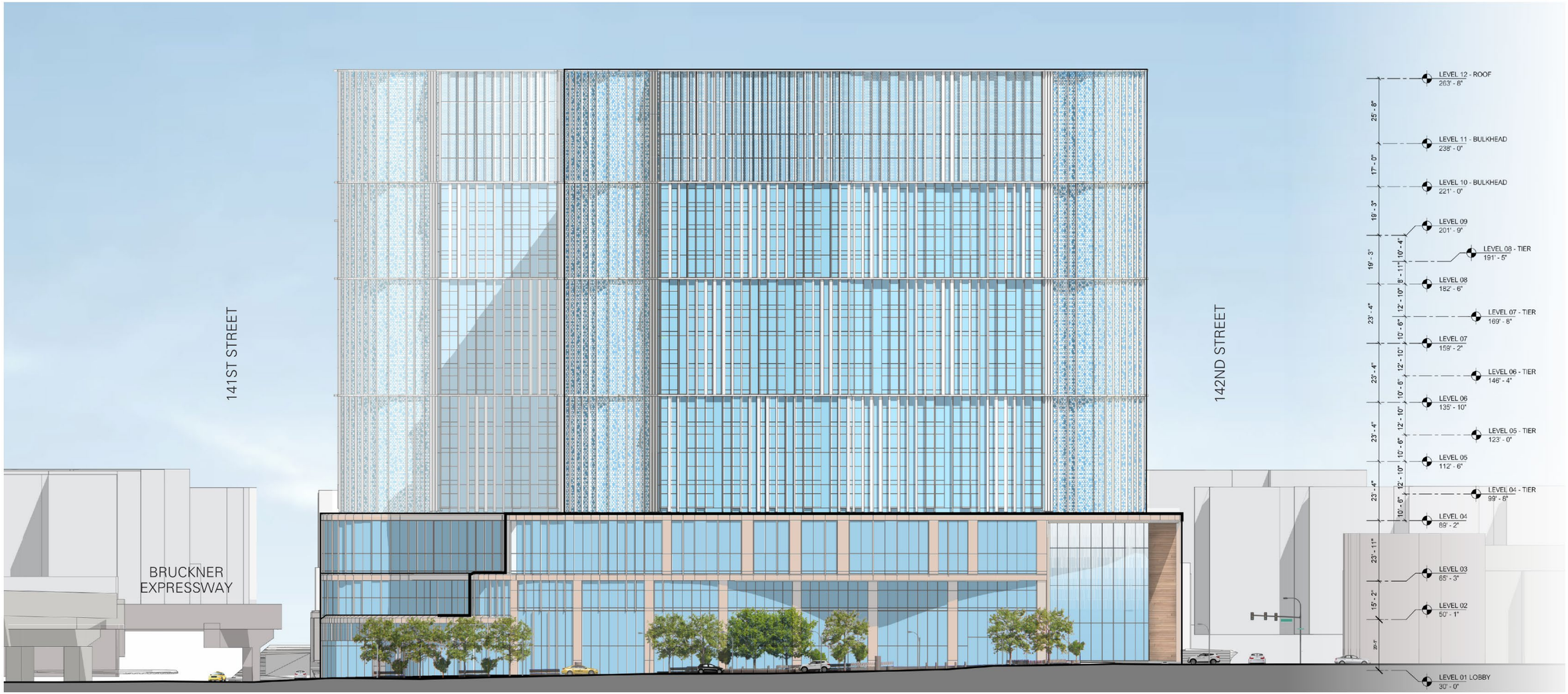
BOROUGH-BASED JAIL - THE BRONX FACILITY
CONCEPTUAL REVIEW
April 28th, 2025

REVISIONS

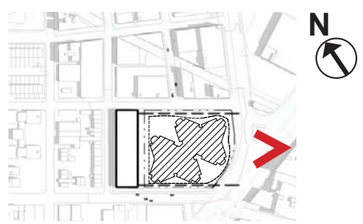
Scale: 1” = 40’-0”

SOUTH ELEVATION - CURRENT



0' 20' 40' 80' 120'

SCALE: 1" = 40'-0"



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BOROUGH-BASED JAIL - THE BRONX FACILITY
CONCEPTUAL REVIEW
April 28th, 2025

REVISIONS

Scale: 1" = 40'-0"

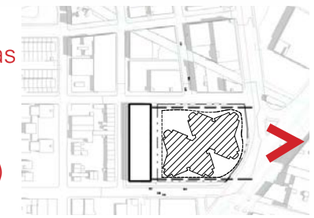
EAST ELEVATION - 11/18/2024

0' 20' 40' 80' 120'

SCALE: 1" = 40'-0"

Public entrance update:
1. Roof and glass shape is revised
2. Added canopy to reduce scale
3. Canopy and signage are re-oriented towards the corner
(Summary of Changes Item #1)

Siding material has been updated to terracotta (Summary of Changes Item #1)



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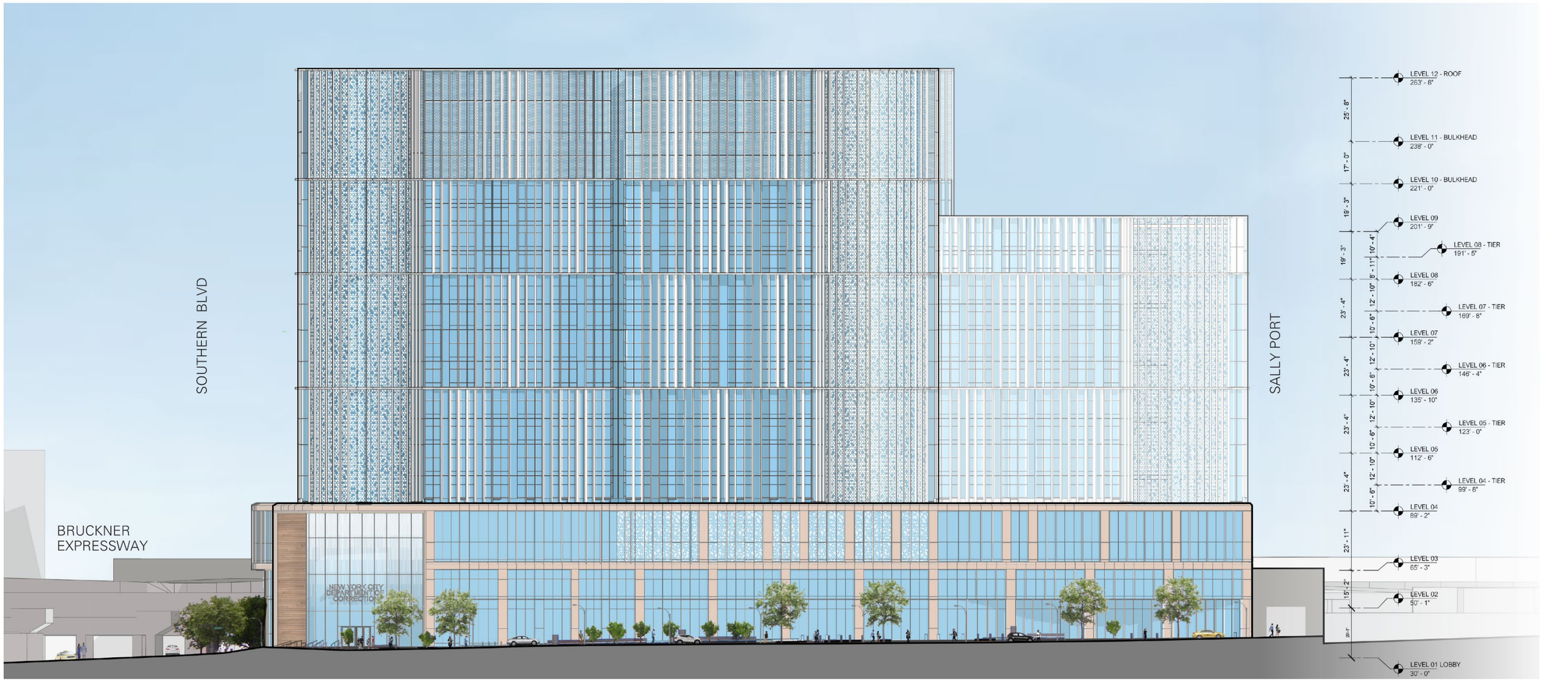
URBAHN CETRARUDDY
LUMEN QRP

BOROUGH-BASED JAIL - THE BRONX FACILITY
CONCEPTUAL REVIEW
April 28th, 2025

REVISIONS

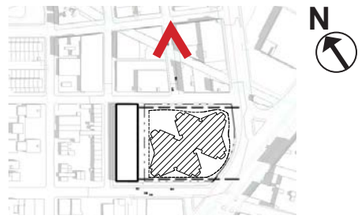
Scale: 1" = 40'-0"

EAST ELEVATION - CURRENT



0' 20' 40' 80' 120'

SCALE: 1" = 40'-0"



Level 8 massing is reduced by consolidating MEP with Level 10. (Summary of Changes Item # 4)

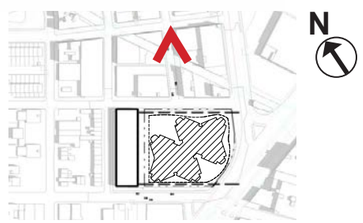
Siding material has been updated to terracotta (Summary of Changes Item # 1)

Staff Entrance update:
1. Reduce the entry recess from 90ft to 30ft.
2. Enlarged the recess height from one-level to two-level double-height

(Summary of Changes Item # 2)

0' 20' 40' 80' 120'

SCALE: 1" = 40'-0"



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BOROUGH-BASED JAIL - THE BRONX FACILITY
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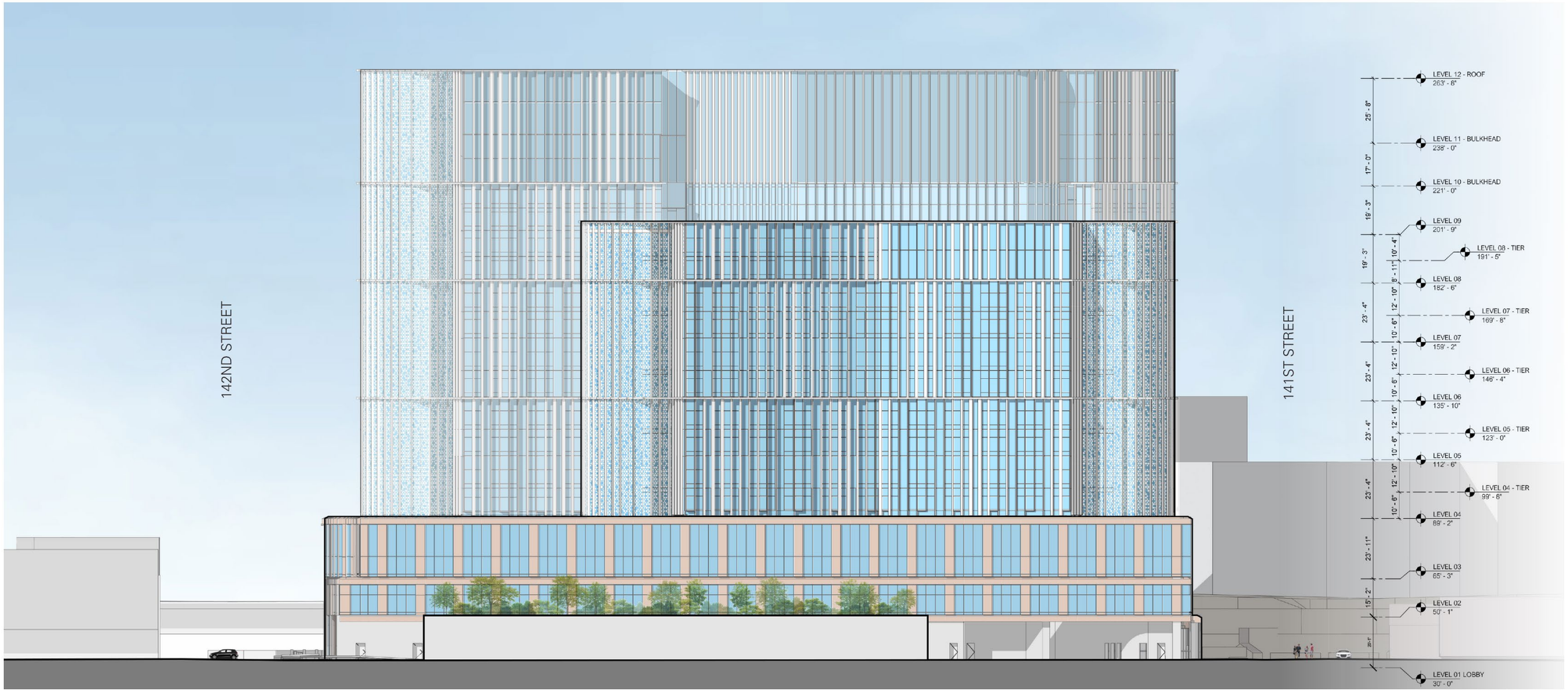
REVISIONS

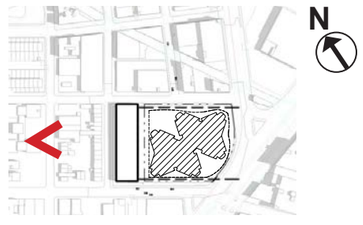
Scale: 1" = 40'-0"

NORTH ELEVATION - CURRENT



0' 20' 40' 80' 120'

SCALE: 1" = 40'-0"



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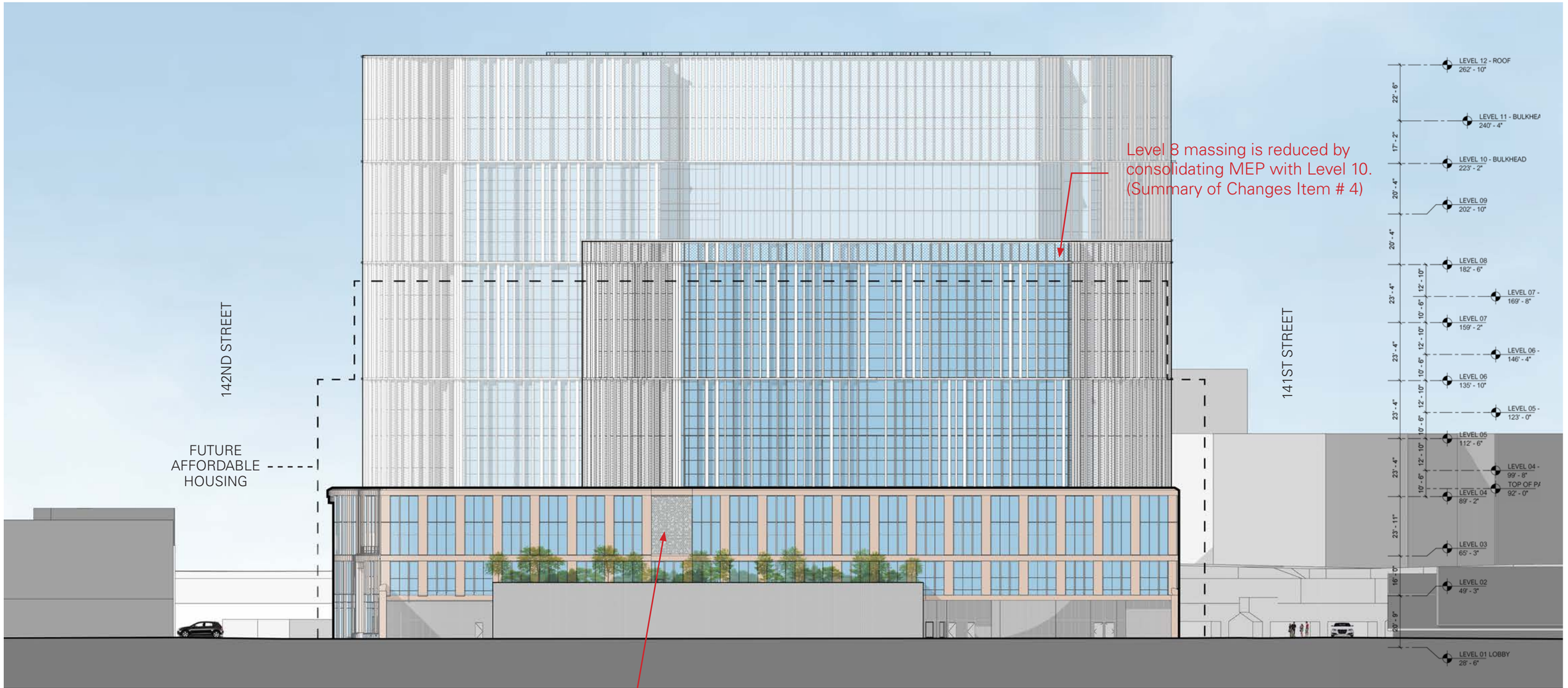
BOROUGH-BASED JAIL - THE BRONX FACILITY
CONCEPTUAL REVIEW
April 28th, 2025

REVISIONS

Scale: 1” = 40’-0”

WEST ELEVATION - 11/18/2024



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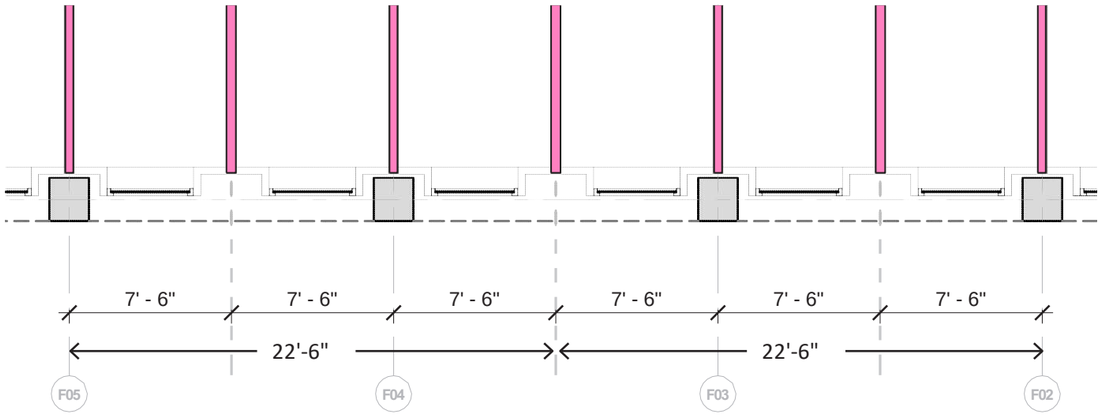
URBAHN CETRARUDDY
LUMEN QRP

BOROUGH-BASED JAIL - THE BRONX FACILITY
CONCEPTUAL REVIEW
April 28th, 2025

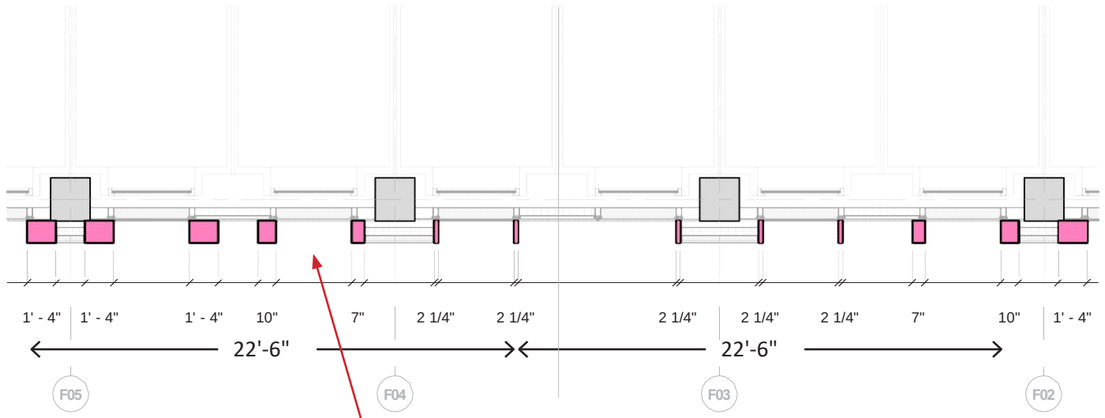
REVISIONS

Scale: 1” = 40’-0”

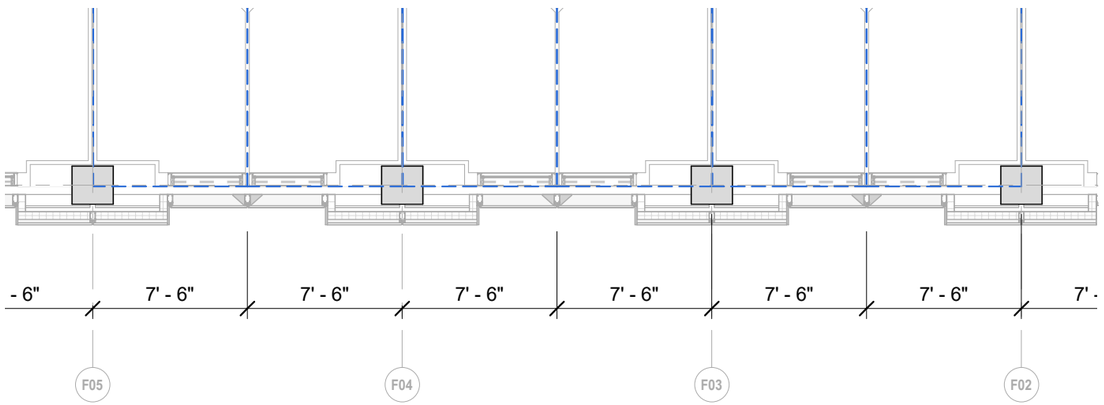
WEST ELEVATION - CURRENT

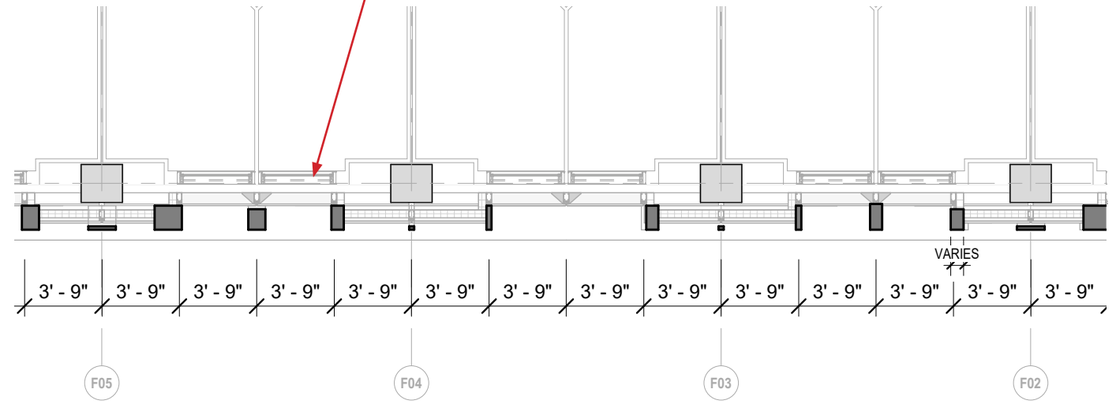


PREVIOUS SUBMISSION 10/18/2024



The panels are 7’ 6” X 23’ 4”; previous submission panels are alternating between 3’ 9” X 23’4” and 11’3” X 23’4”
(Summary of Changes Item #5)





CURRENT SUBMISSION