

NEW JERSEY

WESTCHESTER
COUNTY

 HUTCHINSON RIVER CSO DETENTION FACILITY

THE BRONX

MANHATTAN

QUEENS

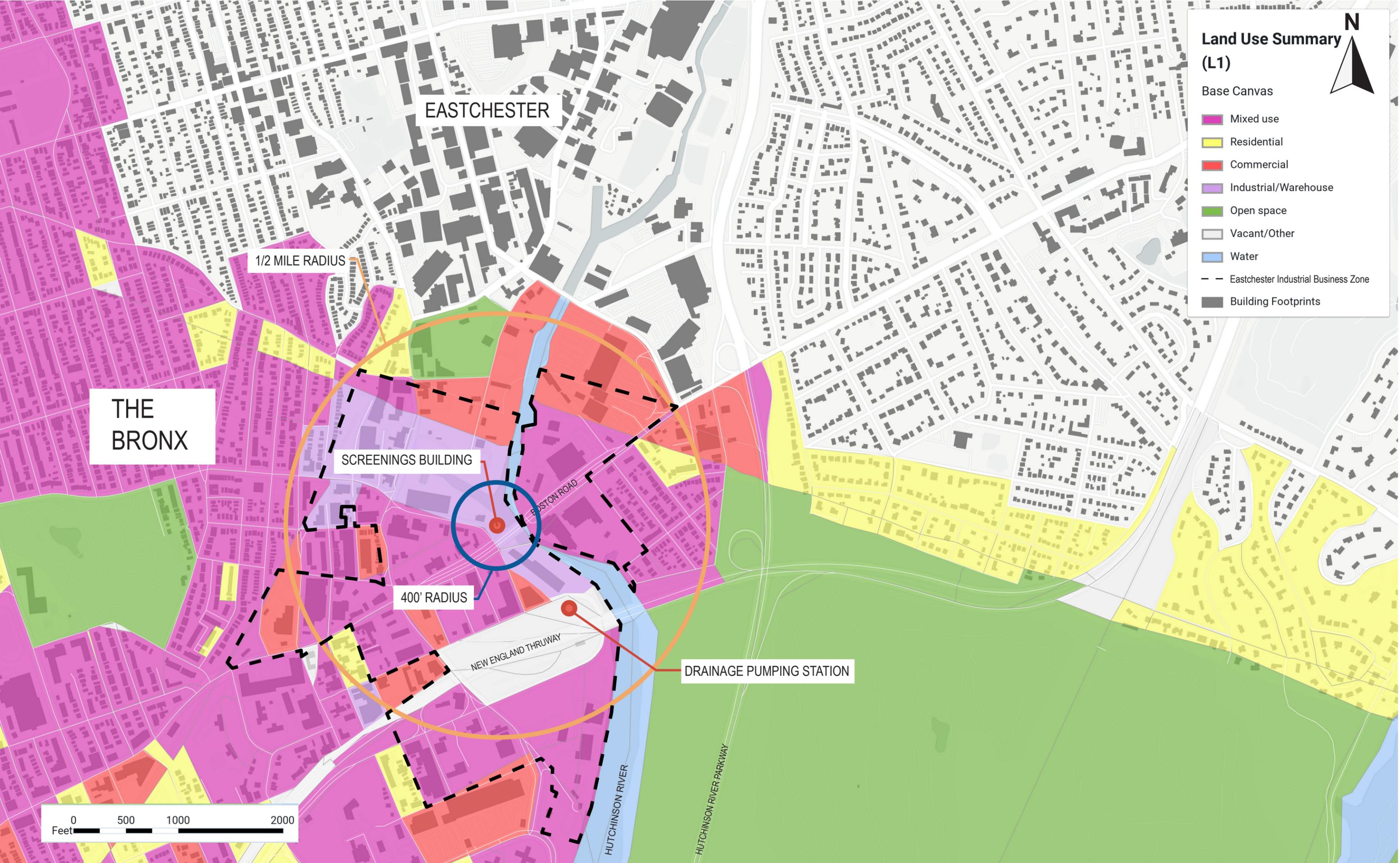
New York City Department of Environmental Protection

Hutchinson River CSO Detention Facility Conceptual Design Submission

CSO-HR-DF-DES

2/16/24

BROOKLYN



Land Use Summary (L1)

Base Canvas

- Mixed use
- Residential
- Commercial
- Industrial/Warehouse
- Open space
- Vacant/Other
- Water
- Eastchester Industrial Business Zone
- Building Footprints

THE BRONX

EASTCHESTER

1/2 MILE RADIUS

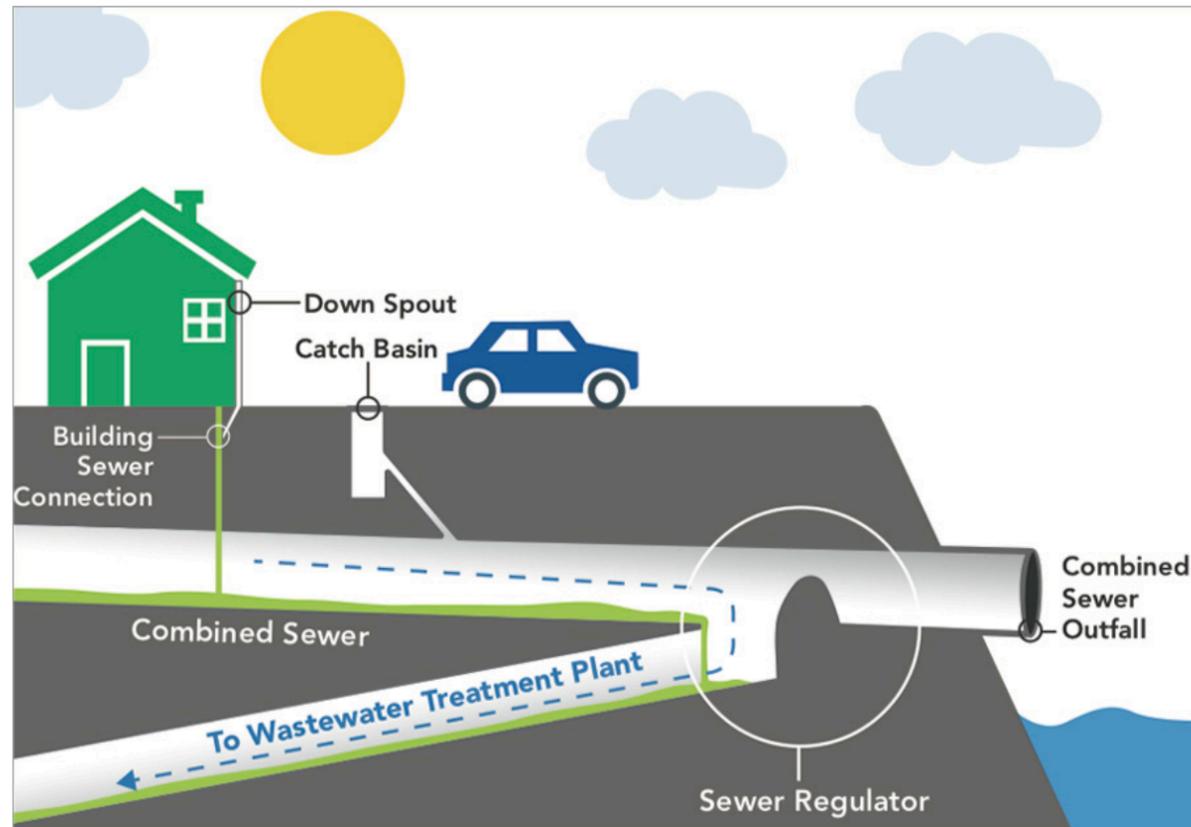
SCREENINGS BUILDING

400' RADIUS

DRAINAGE PUMPING STATION

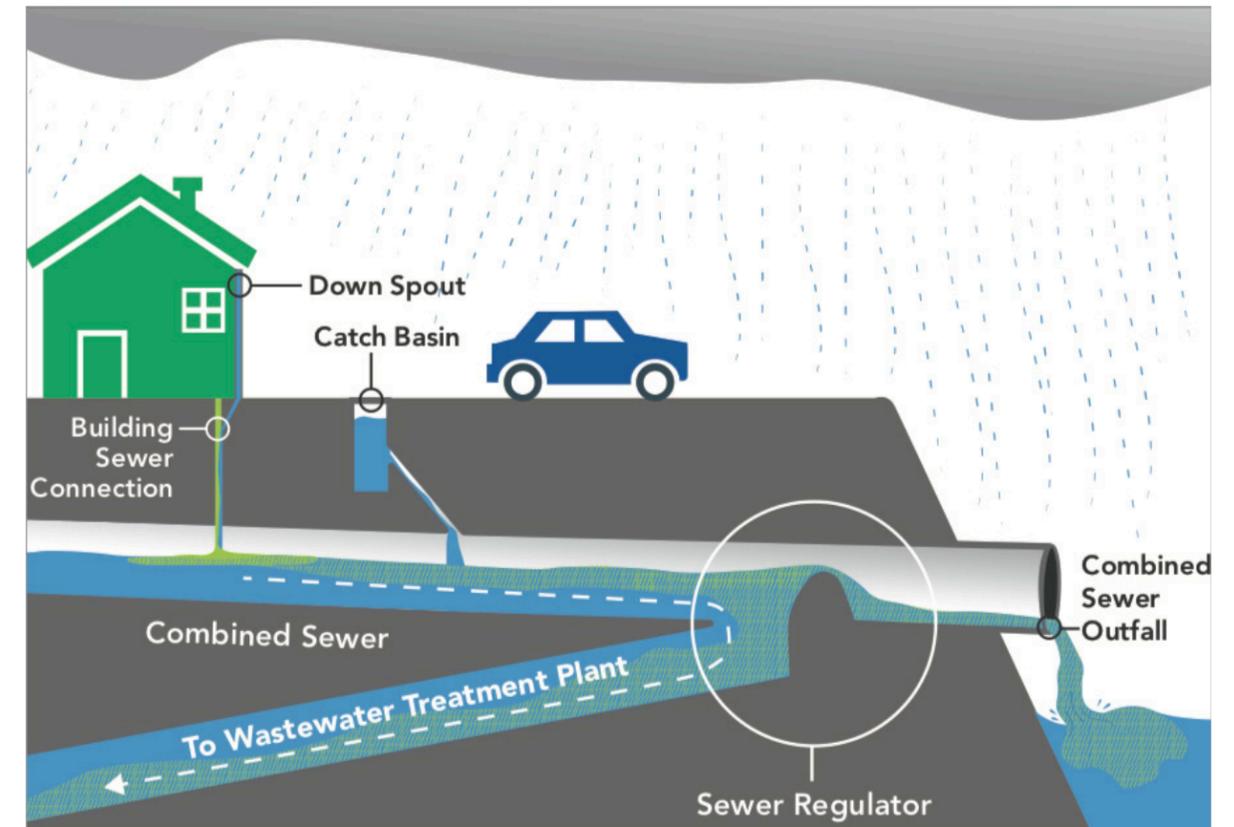


COMBINED SEWERS



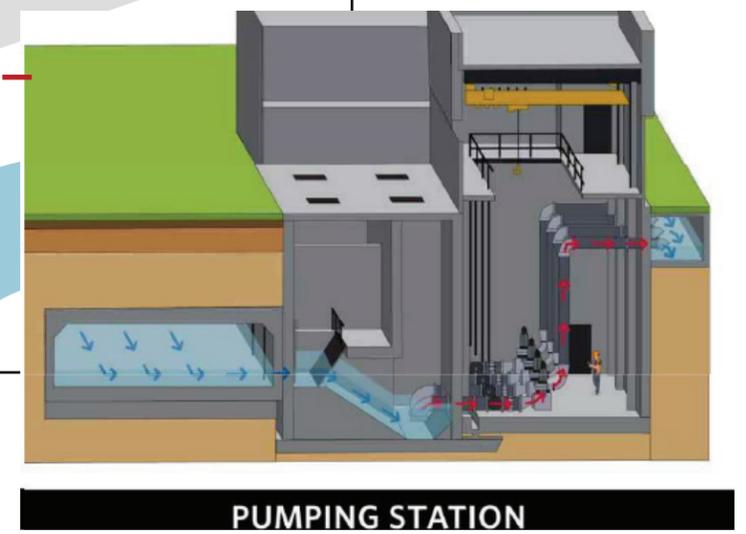
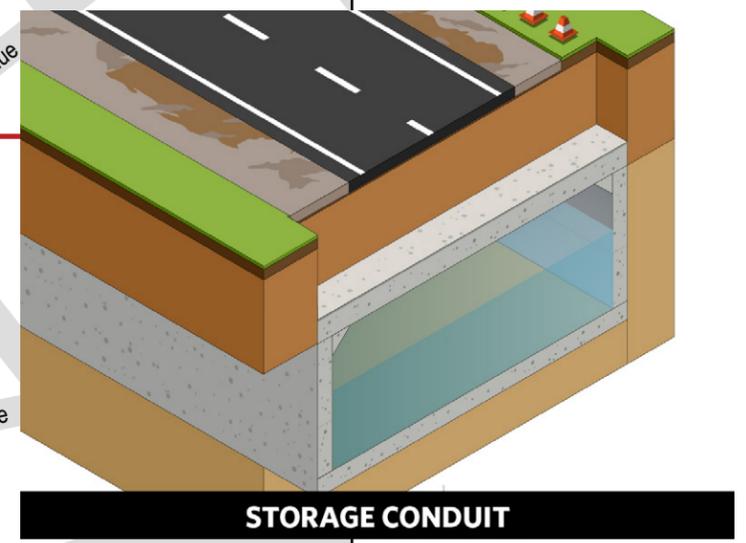
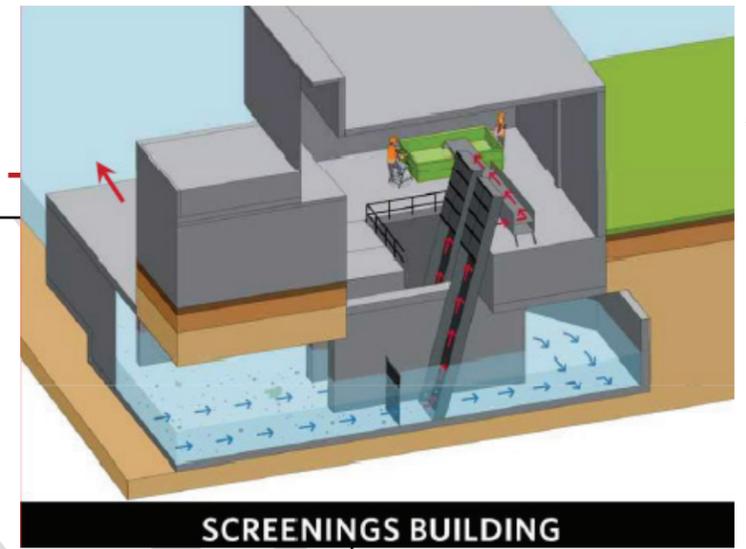
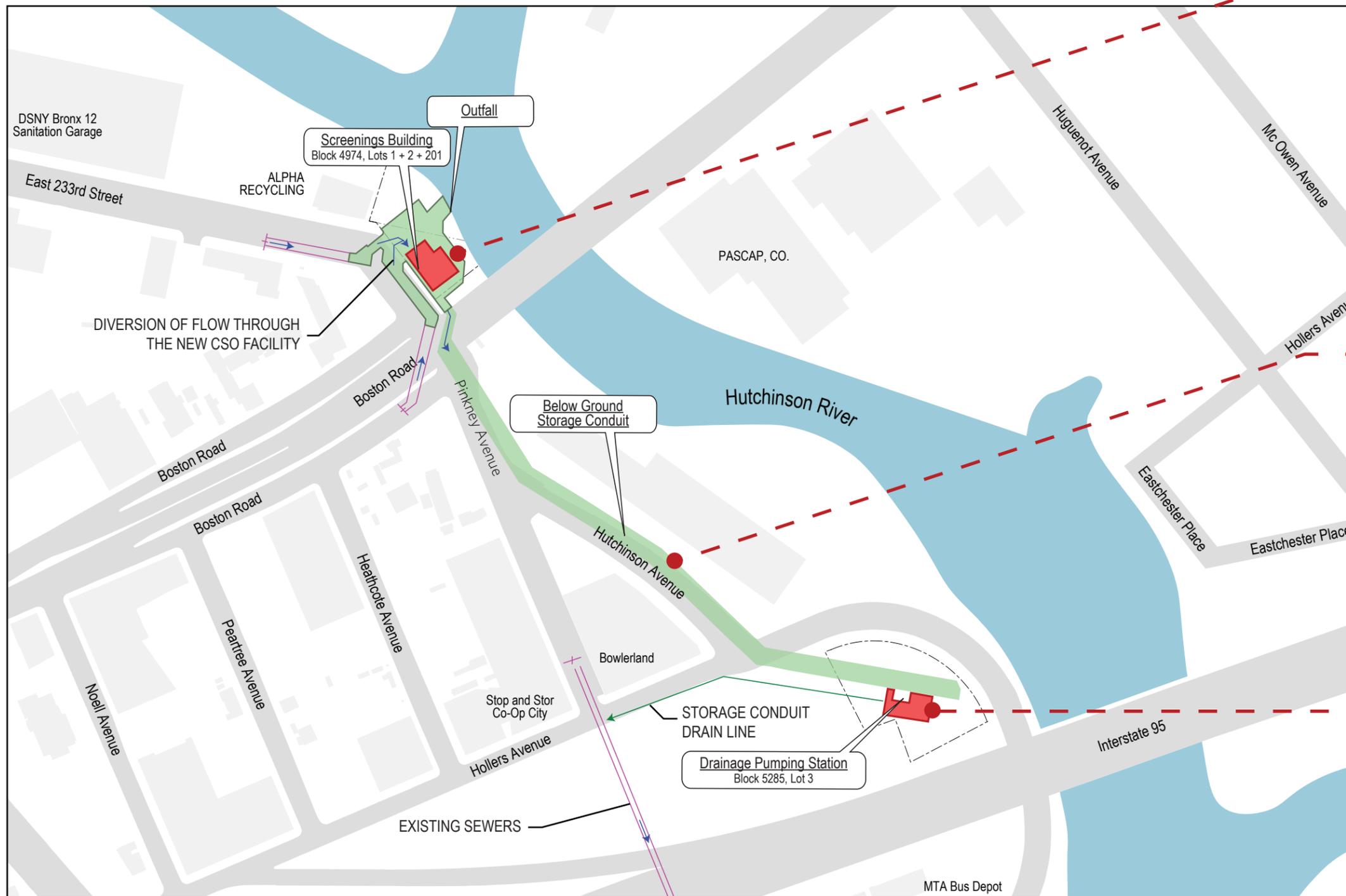
DRY WEATHER

- About 60% of the city has combined sewers that collect both sanitary waste and rainwater.
- In dry weather, combined sewage is routed through the sewer system to one of the city's 14 wastewater resource recovery facilities for treatment.



DURING HEAVY RAINSTORMS

- The system can get overwhelmed when the amount of water produced by the storm is greater than the capacity of the pipes.
- This can result in overflows into local waterways.
- CSO facilities intercept and store combined sewage that would otherwise overflow into waterways during rainstorms.





- Legend**
- Traffic Vehicular Only
 - Traffic Pedestrian & Vehicular
 - Residential Area
 - Proposed Above Ground Structure
 - Proposed Underground Structure
 - Views of Proposed Facilities

- Businesses:**
- Auto Body Shop
 - Wholesale Food
 - Scrap Recycling
 - Manufacturing
 - Storage
 - Bowling Alley
 - Bus Depot / Garage



KEY PLAN



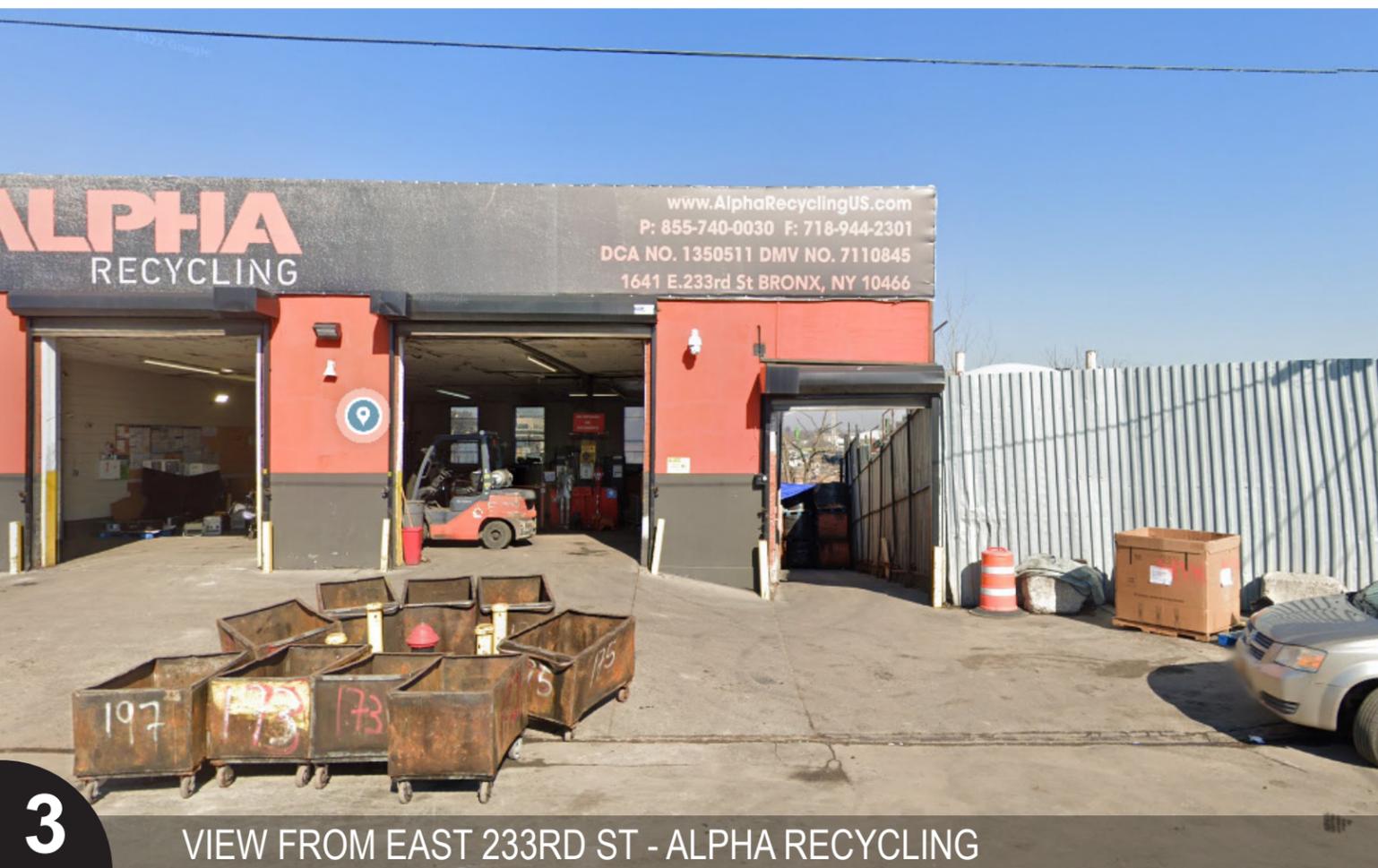
VIEW FROM EAST 233RD ST - DSNY DISTRICT 12 GARAGE



VIEW FROM EAST 233RD ST - MILL WIPING RUGS INC.



KEY PLAN



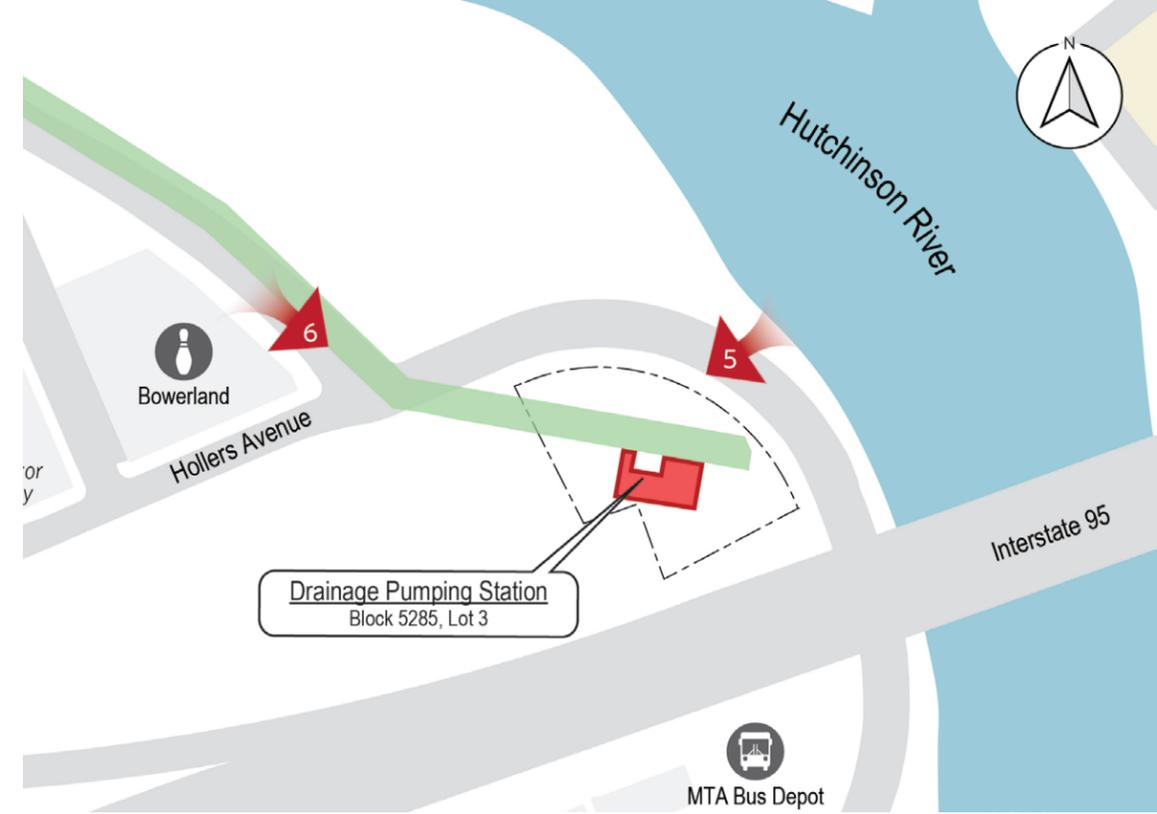
3

VIEW FROM EAST 233RD ST - ALPHA RECYCLING



4

VIEW FROM EAST 233RD ST - ALPHA RECYCLING



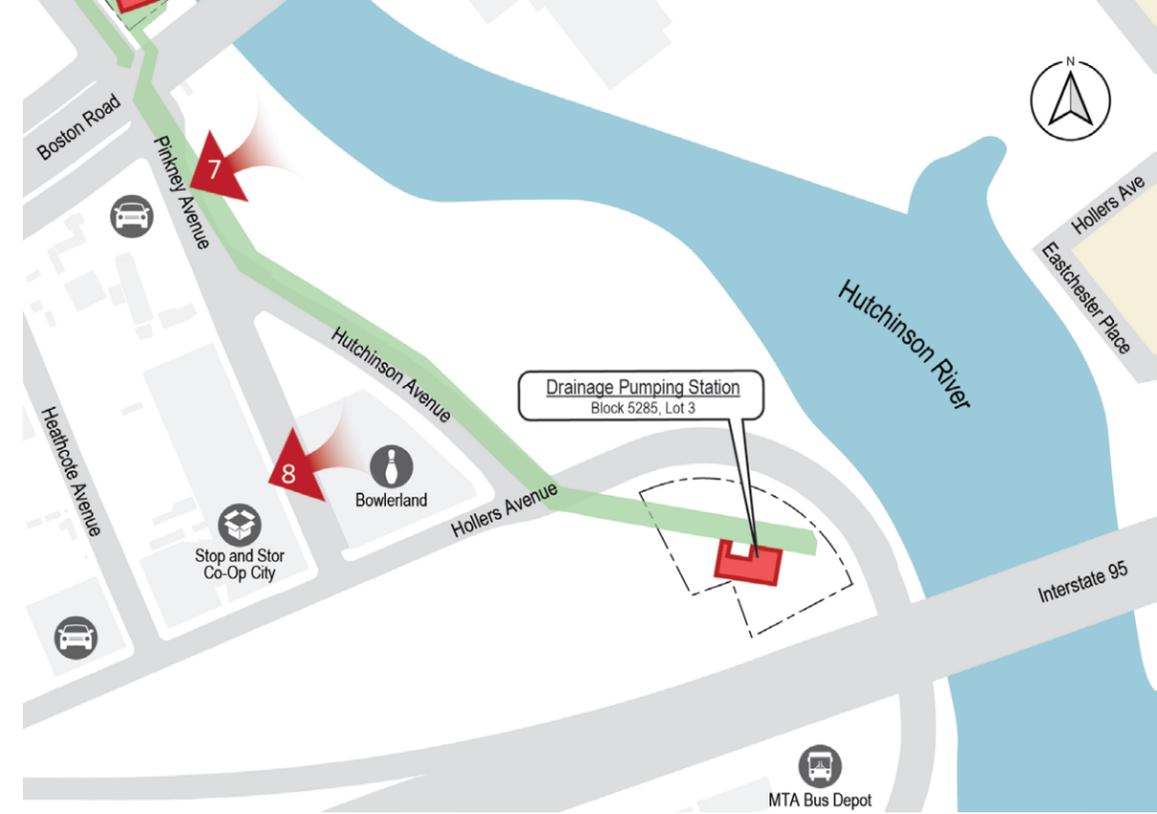
KEY PLAN



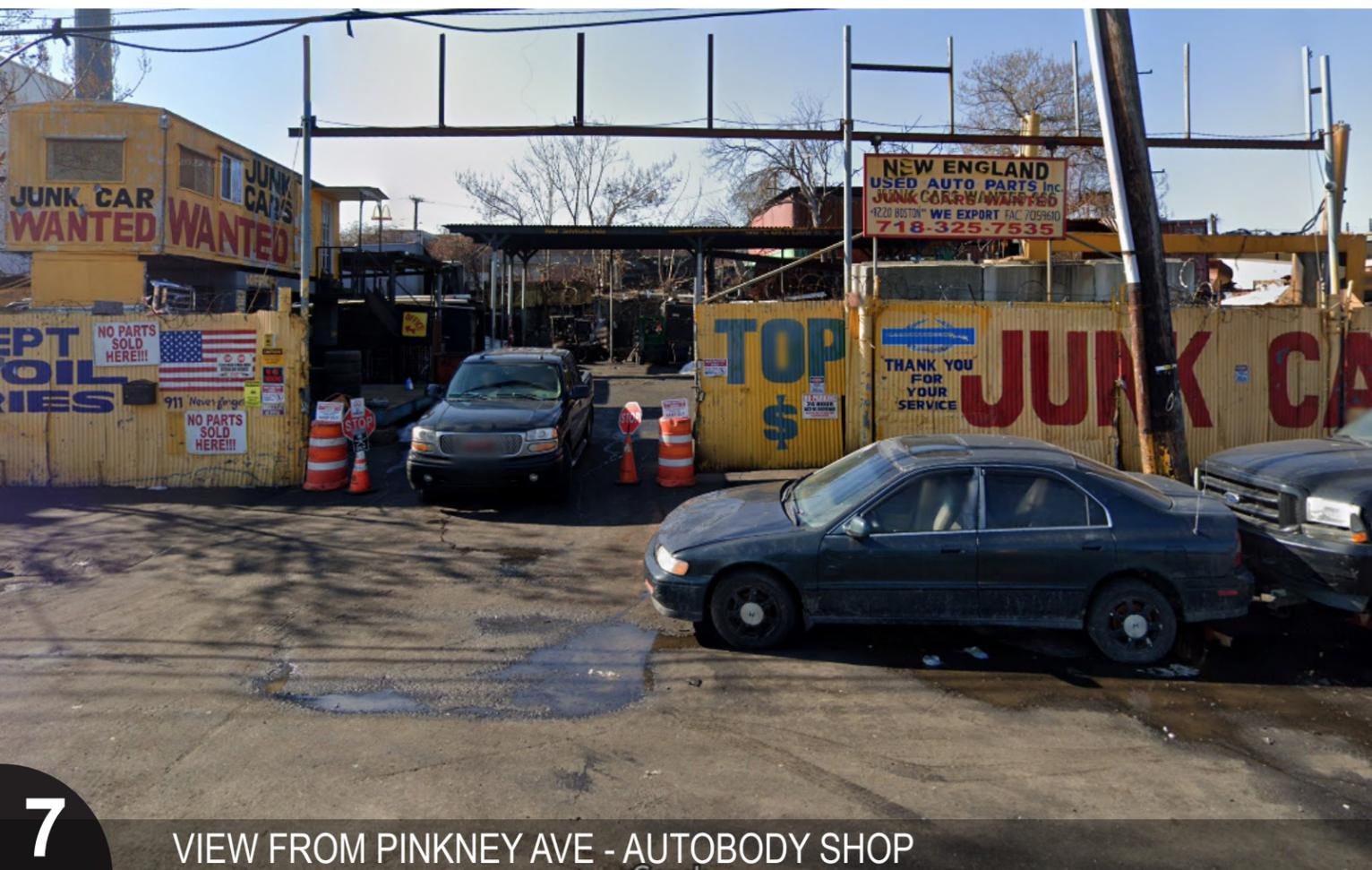
5 VIEW FROM HOLLERS AVE - SITE VIEW



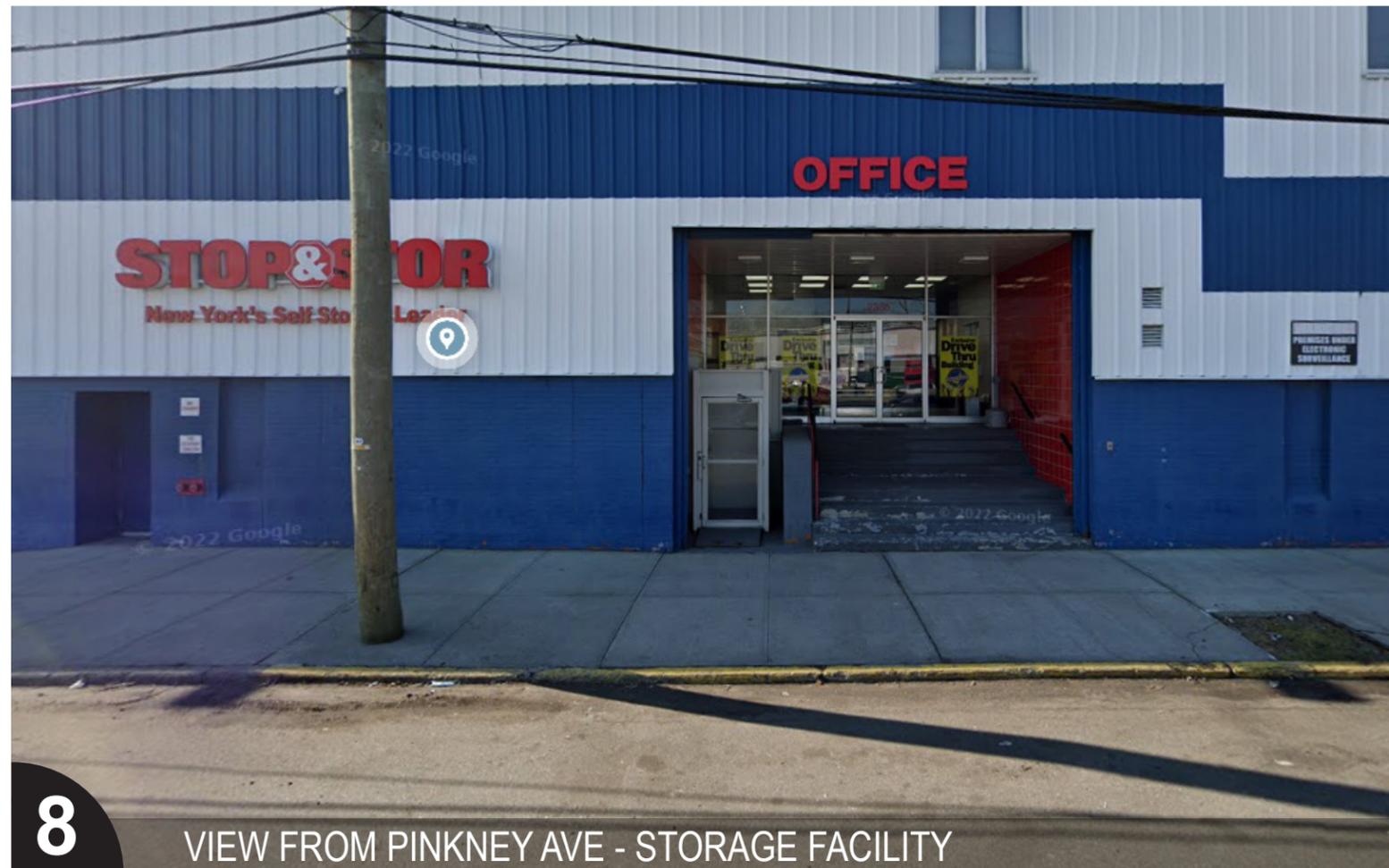
6 VIEW FROM HUTCHINSON AVE - SITE VIEW



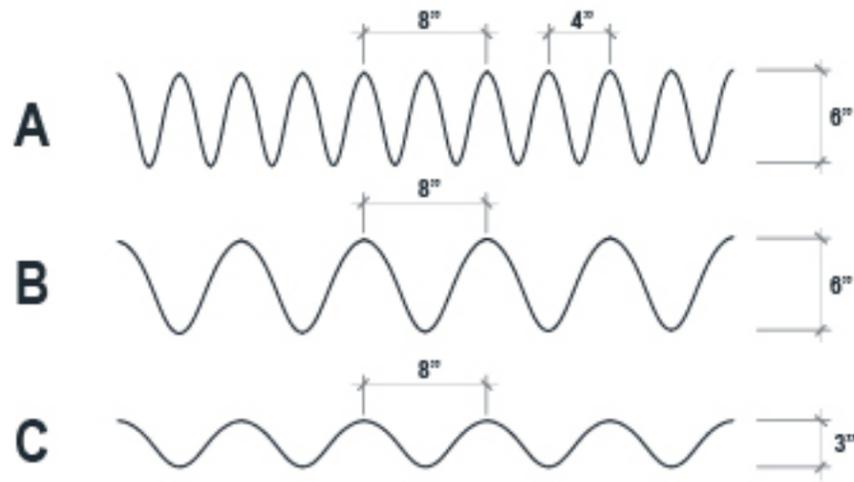
KEY PLAN



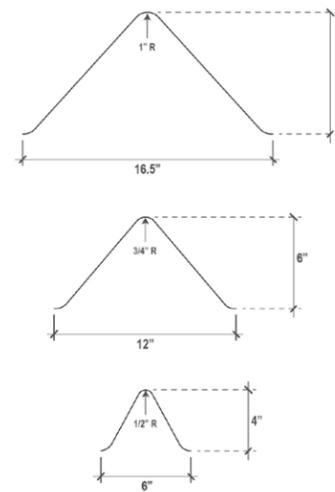
7 VIEW FROM PINKNEY AVE - AUTOBODY SHOP



8 VIEW FROM PINKNEY AVE - STORAGE FACILITY



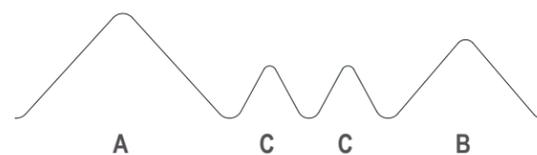
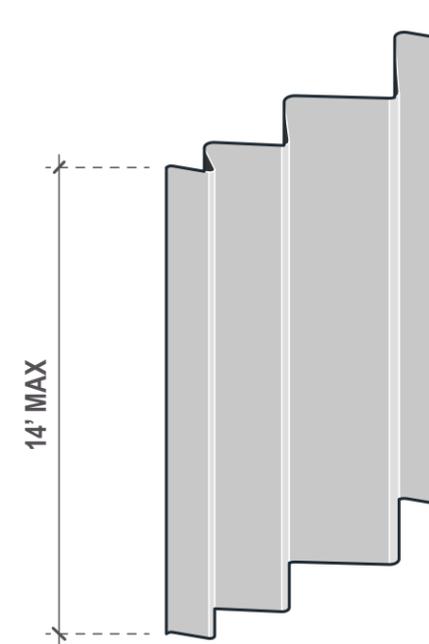
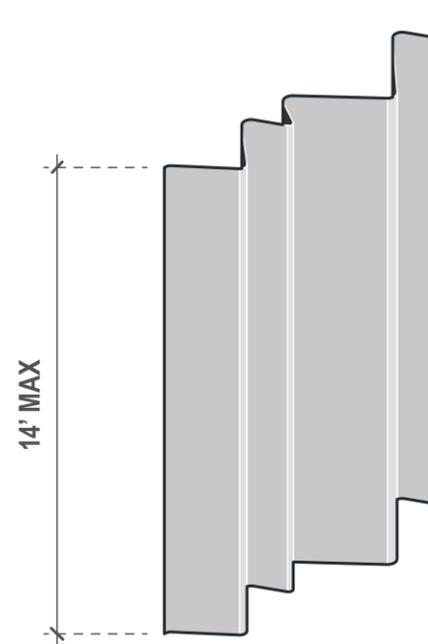
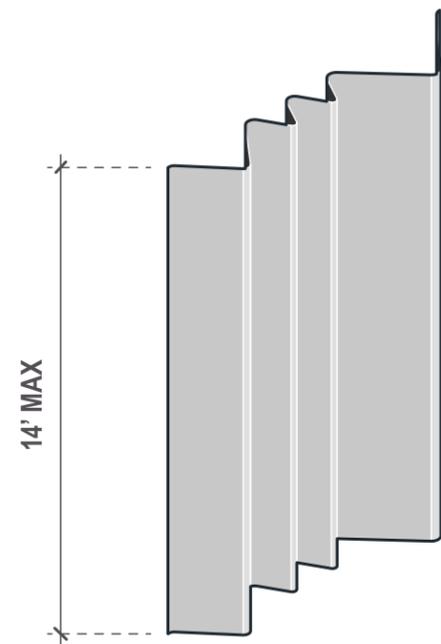
WAVE FREQUENCY



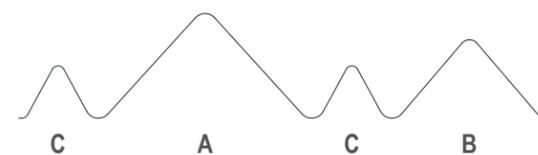
MODULE TYPES



INSPIRED BY THE COLORS & TEXTURES OF WATER



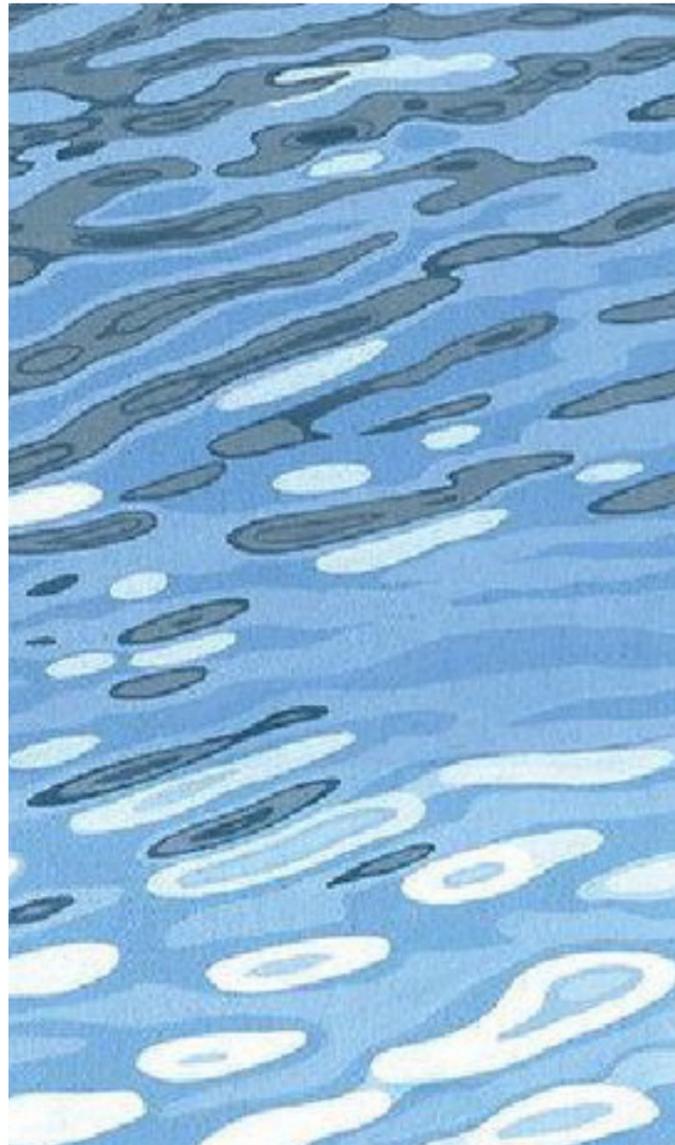
PANEL TYPE 1



PANEL TYPE 2



PANEL TYPE 3



HEX: #08579b
RGB: 8, 87, 155
HSL: 207.76, 90.18%, 31...

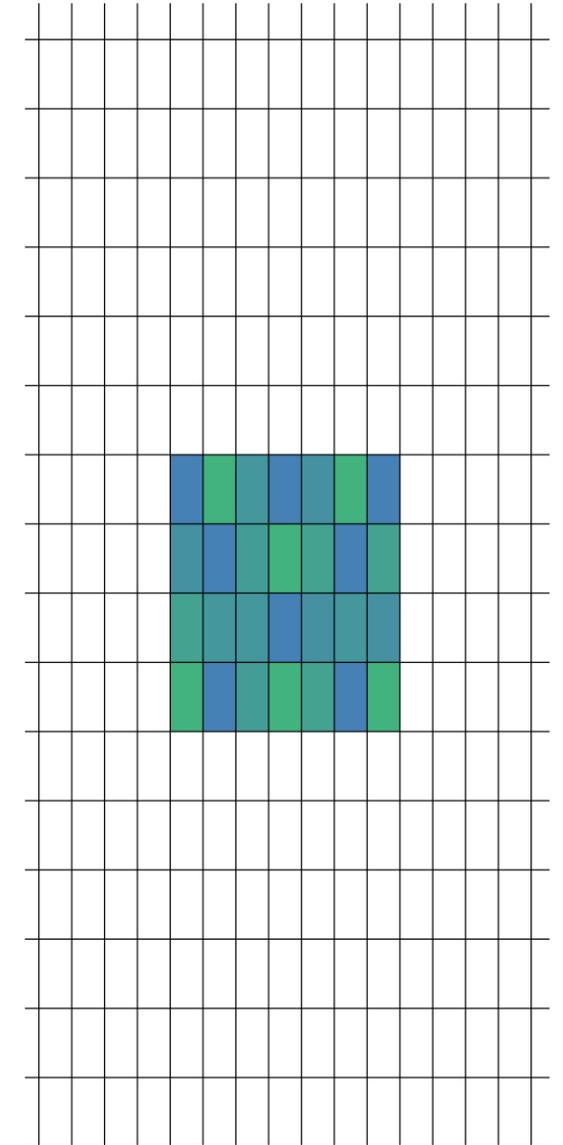
HEX: #076d83
RGB: 7, 109, 131
HSL: 190.65, 89.86%, 27...

HEX: #06757b
RGB: 6, 117, 123
HSL: 183.08, 90.7%, 25...

HEX: #049a54
RGB: 4, 154, 84
HSL: 152, 94.94%, 30.98%

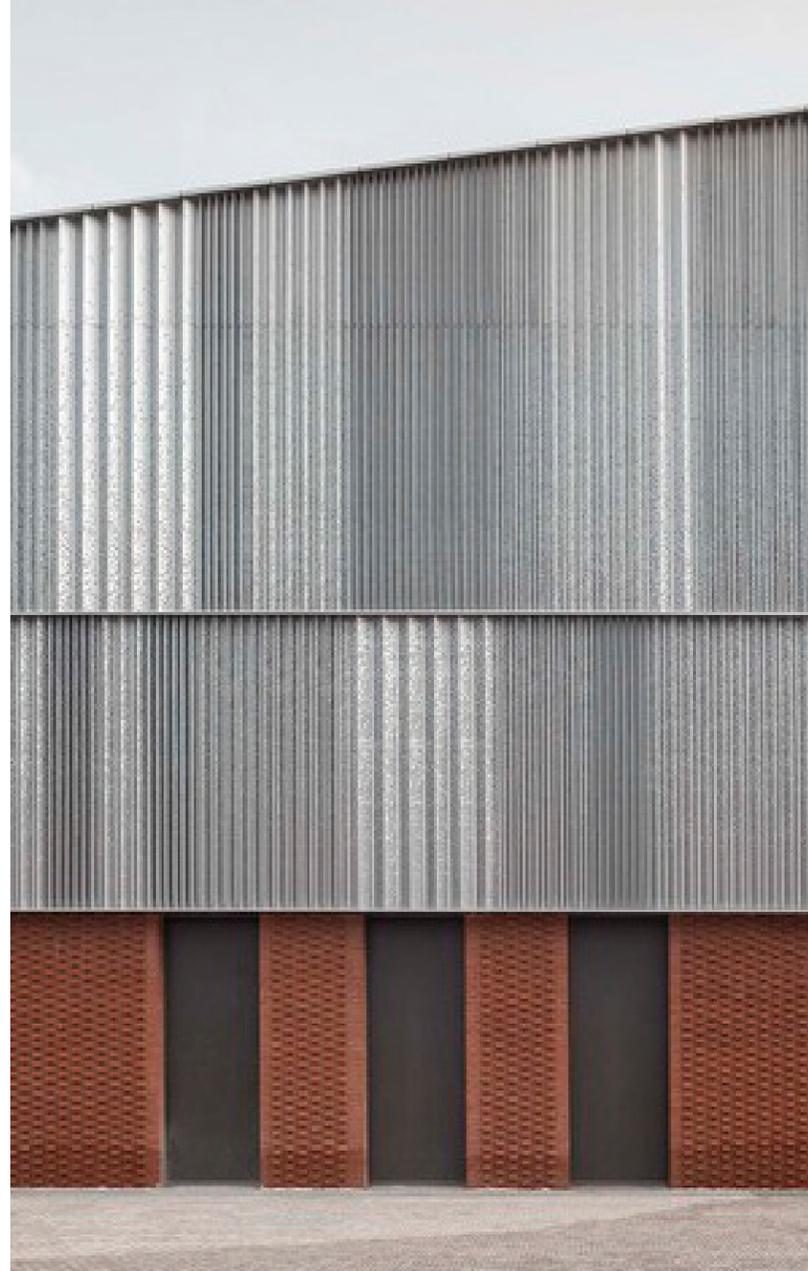
HEX: #05846c
RGB: 5, 132, 108
HSL: 168.66, 92.7%, 26...

HEX: #067c74
RGB: 6, 124, 116
HSL: 175.93, 90.77%, 25...





DAMIEN HIRST STUDIO
ARCHITECT: STIFF + TREVELLION



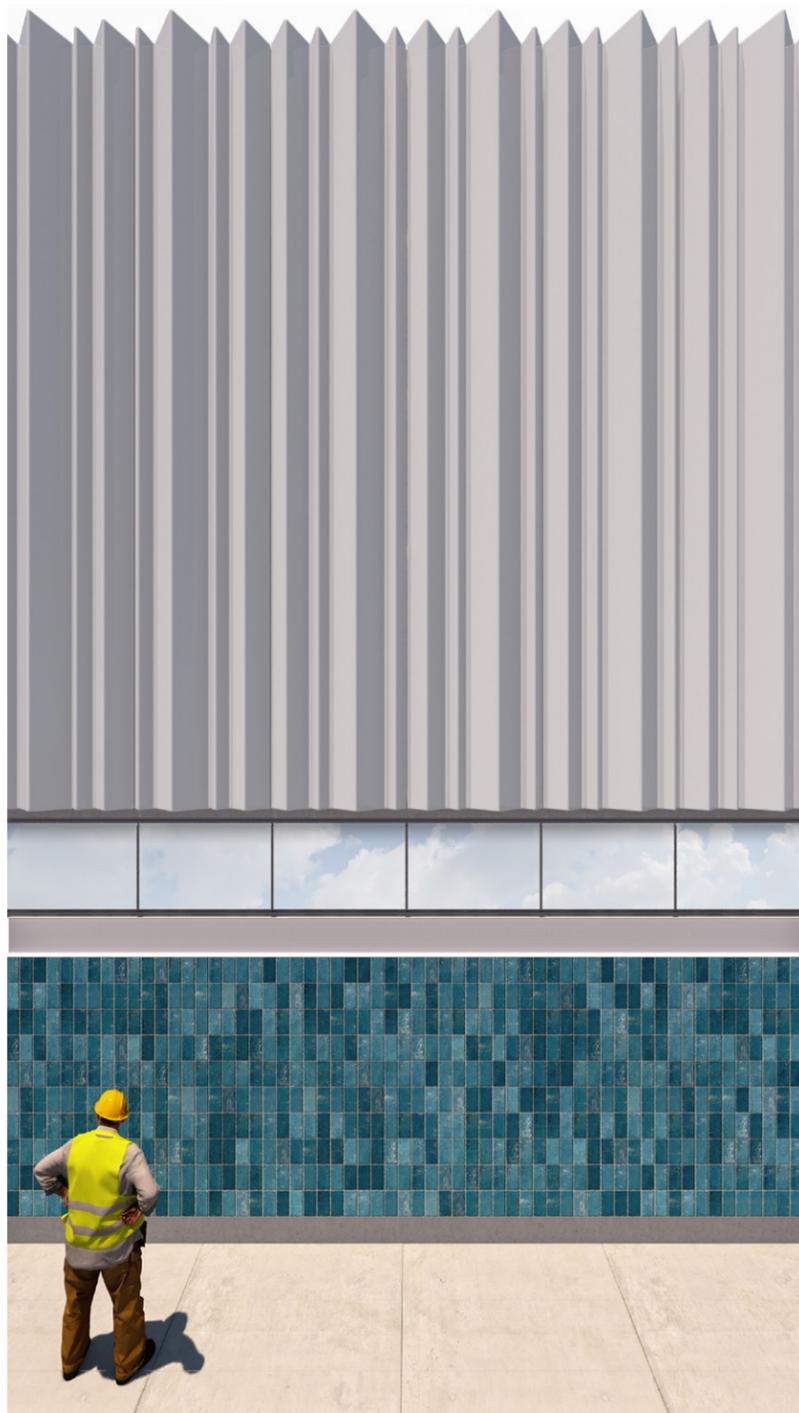
HEYTOWN ART CENTER
ARCHITECT: META - PROJECT



LMU - SCHOOL OF FILM AND TELEVISION

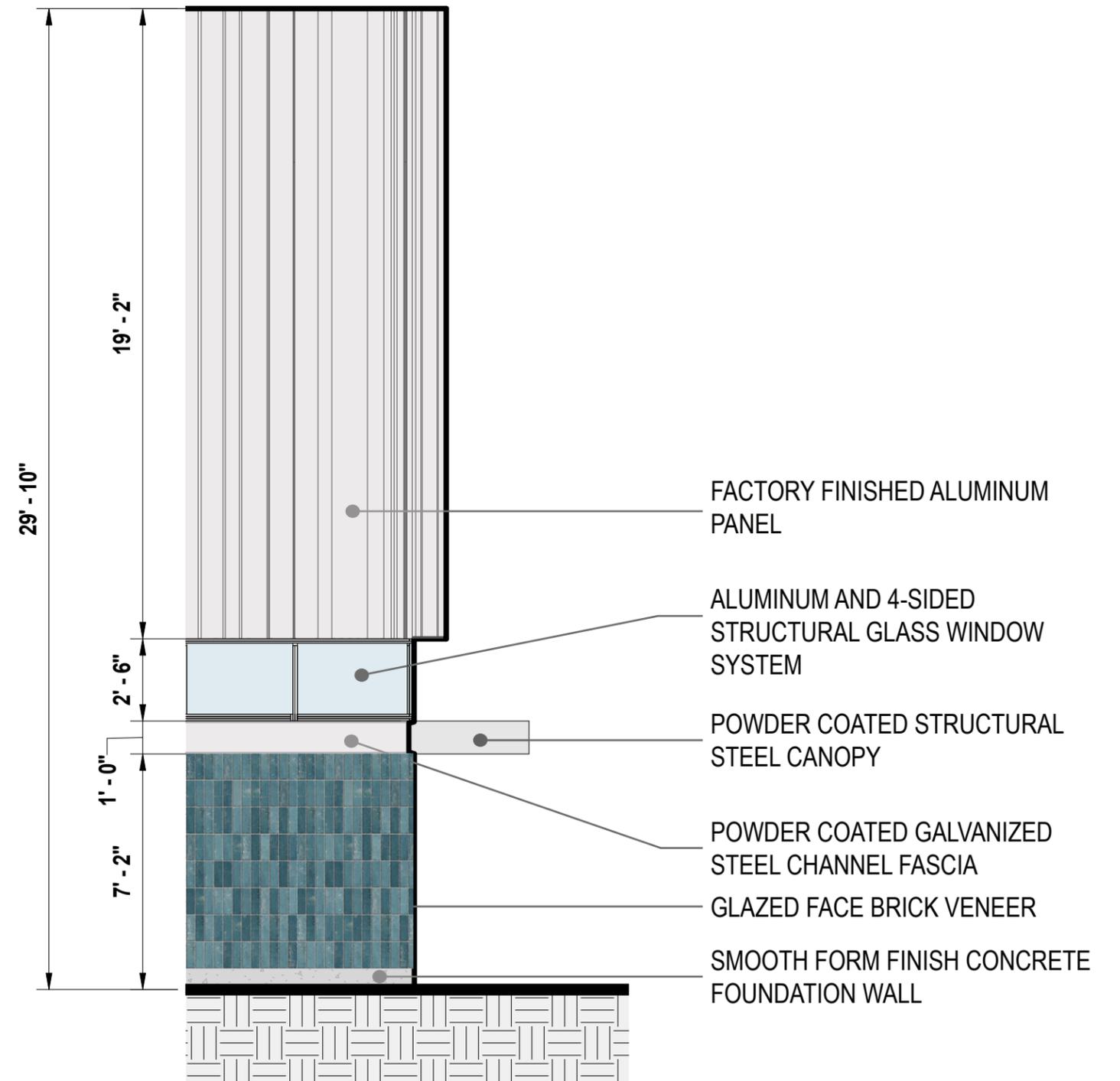


LMU - SCHOOL OF FILM AND TELEVISION
ARCHITECT: SKIDMORE OWINGS & MERRILL (SOM)



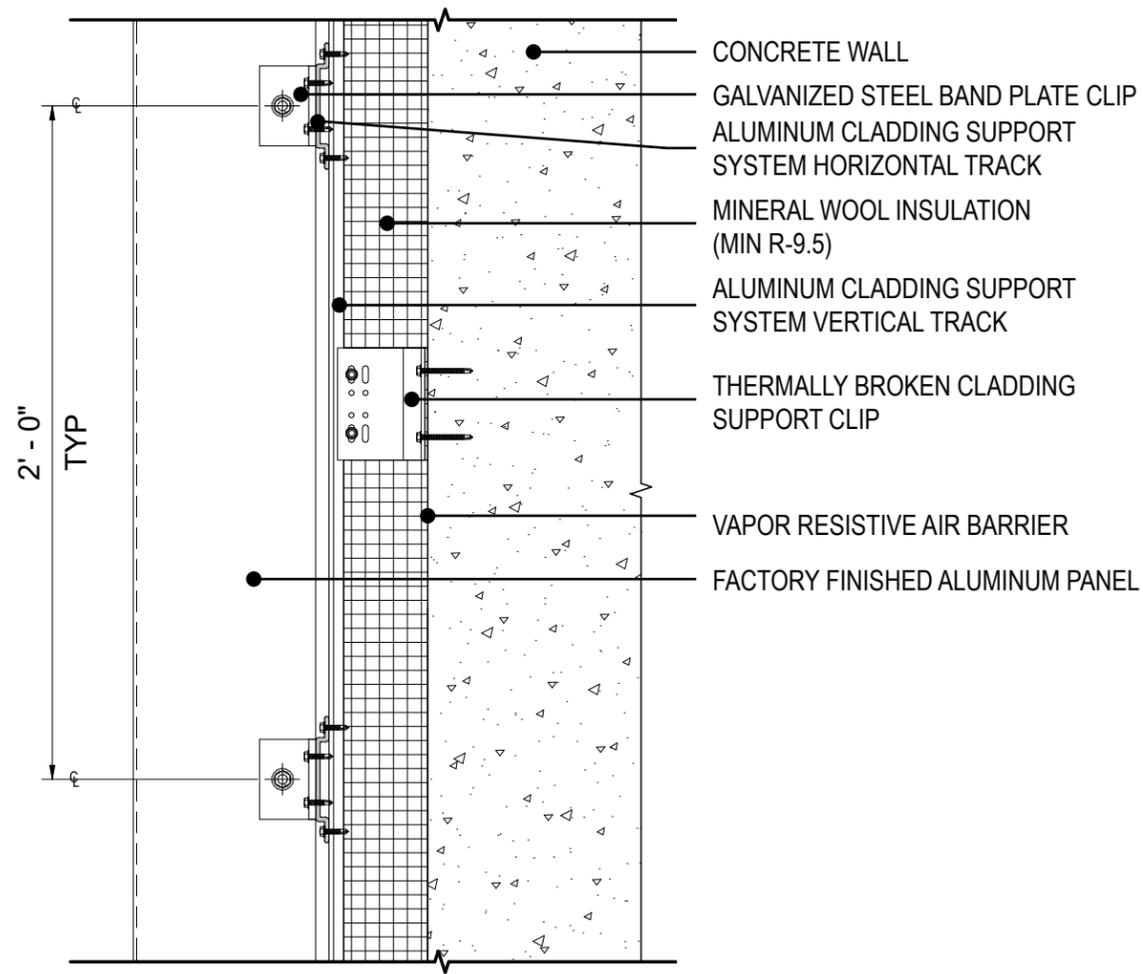
1 - CONCEPTUAL RENDER

NOT TO SCALE

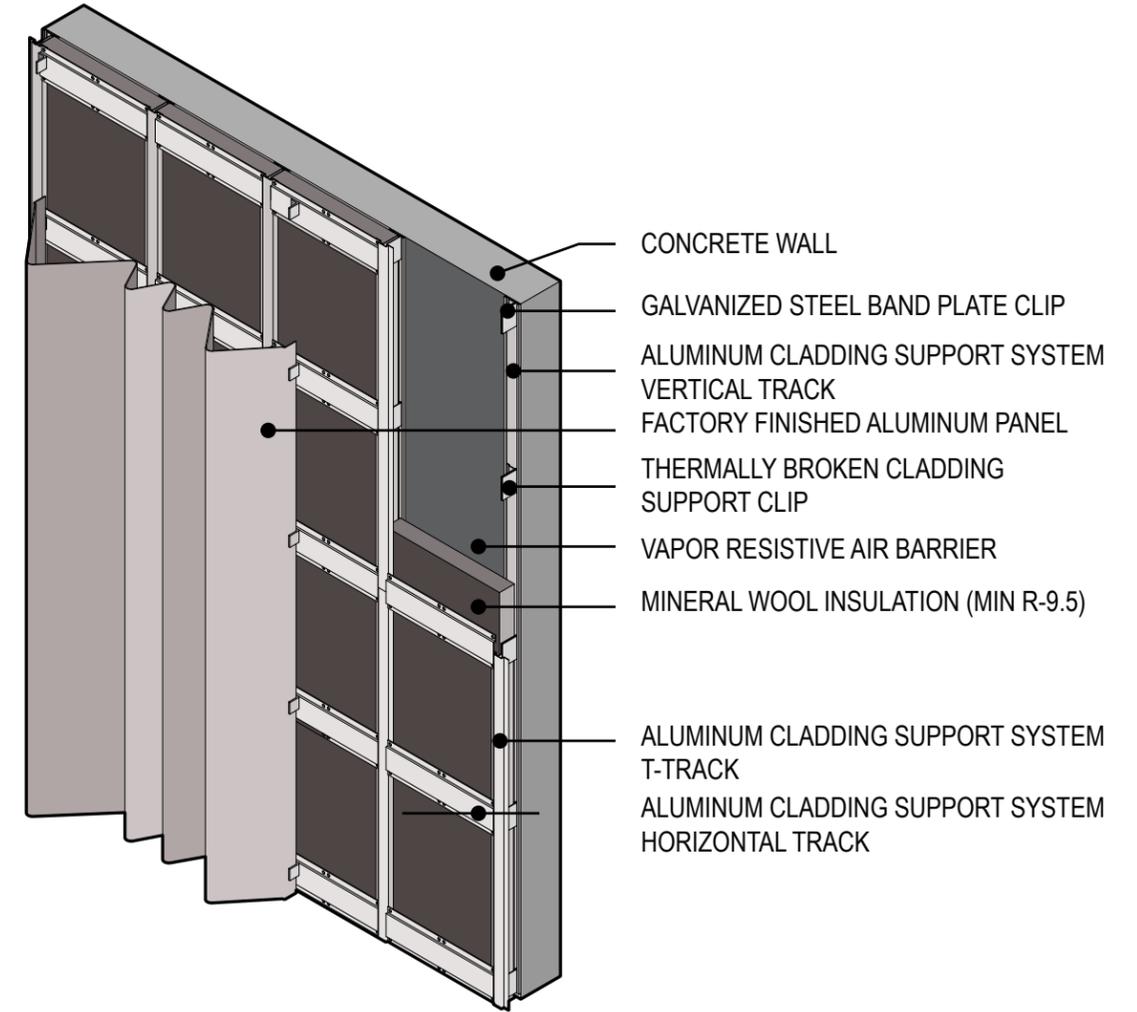
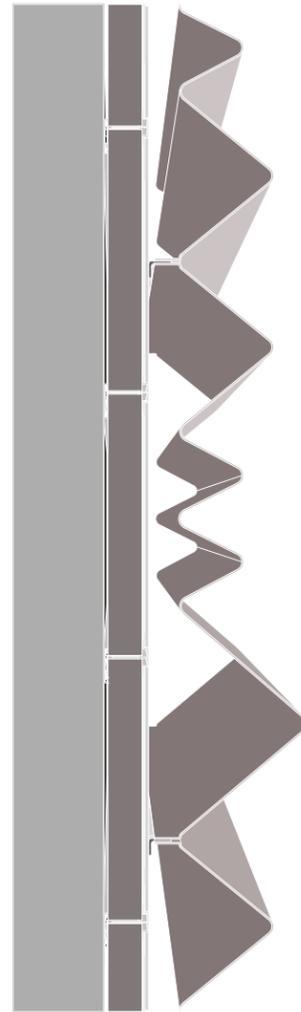


2 - PARTIAL ELEVATION

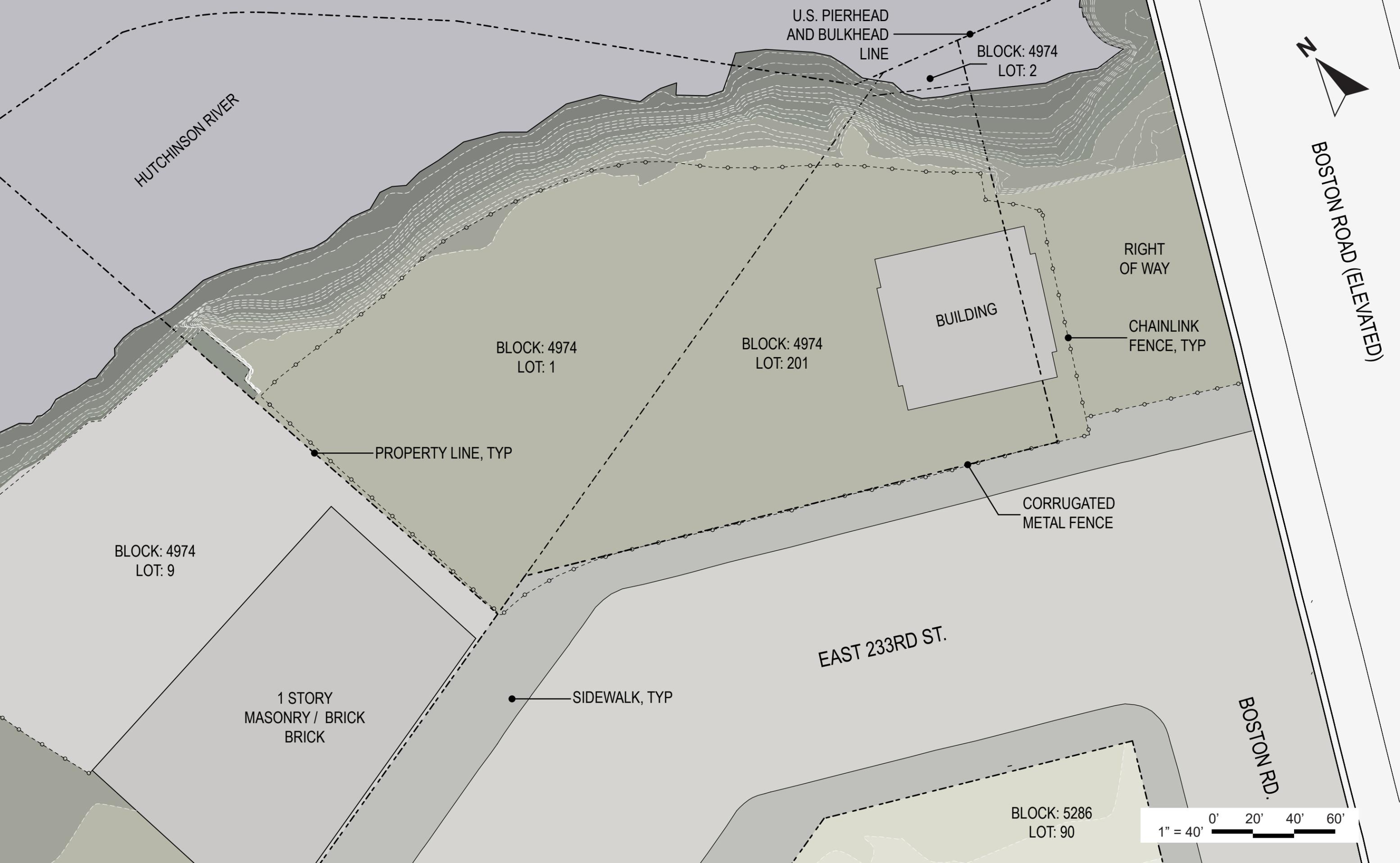
NOT TO SCALE

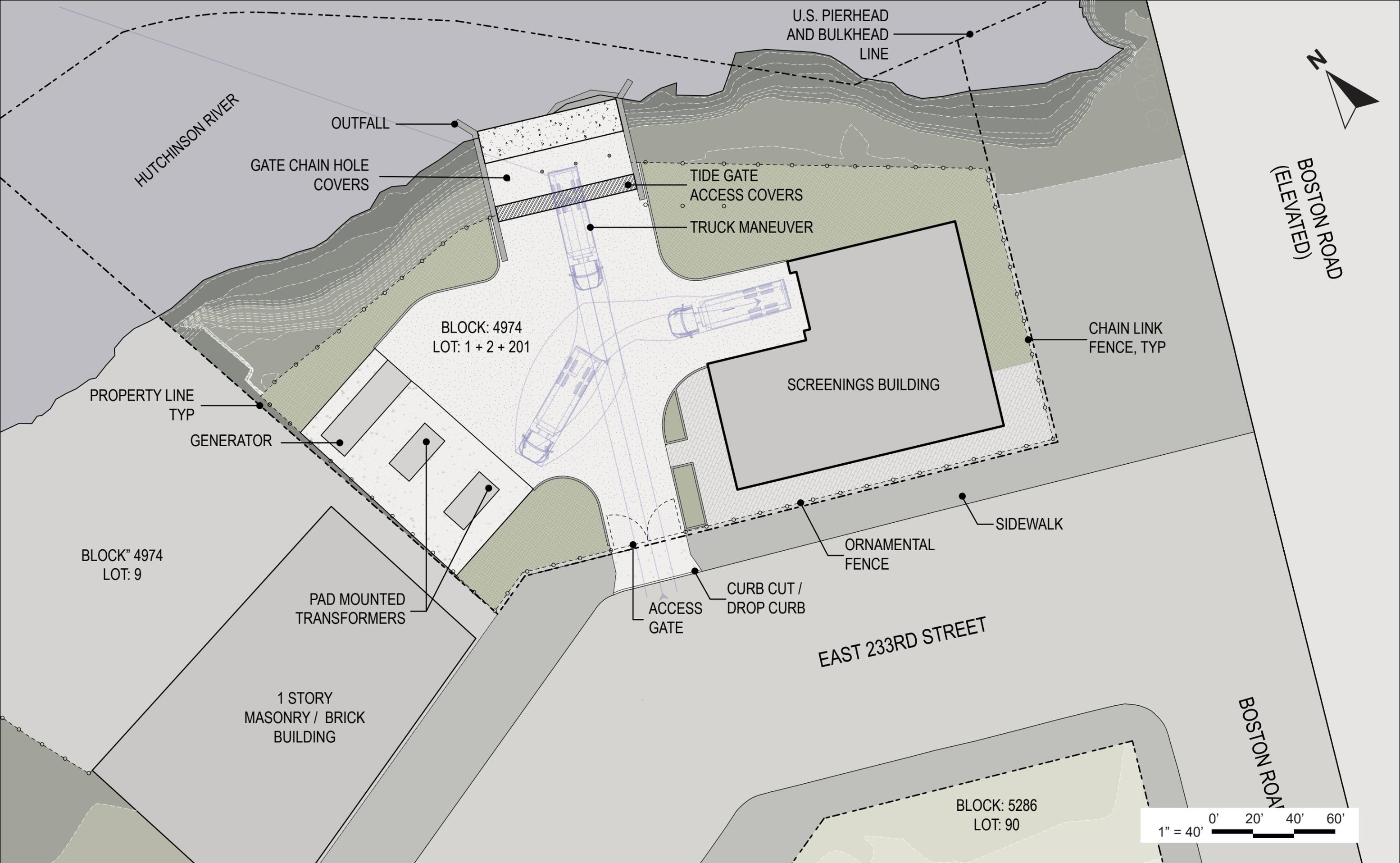


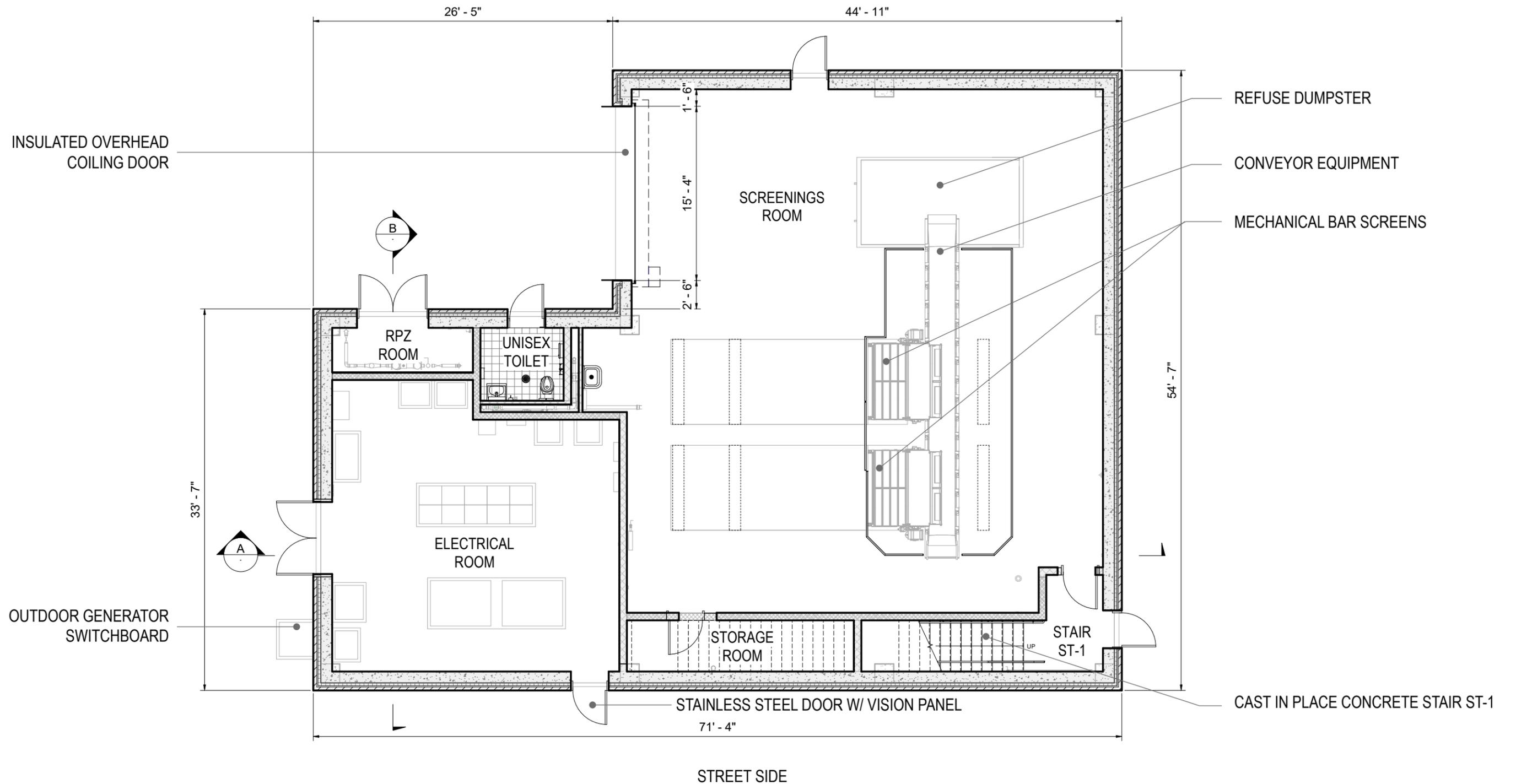
SECTION DETAIL THROUGH EXTERIOR WALL



3D VIEWS

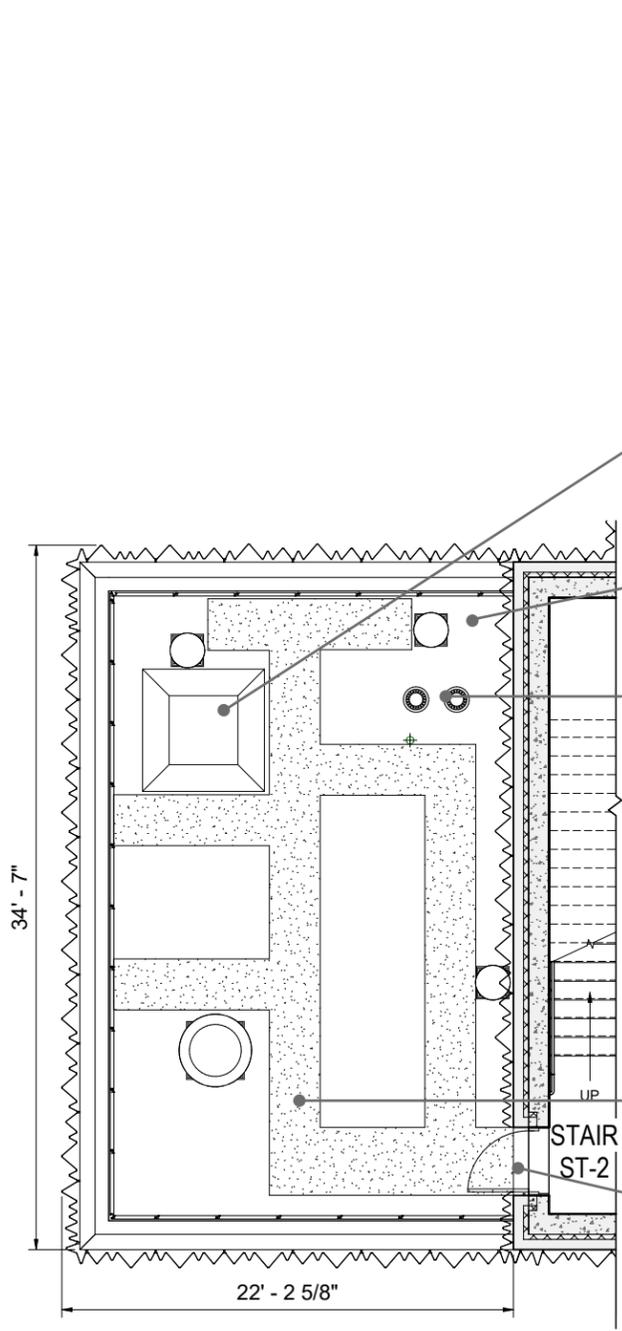






1ST FLOOR PLAN

3/32" = 1' - 0" 0' 5' 10' 15'



STREET SIDE

LOW ROOF PLAN

ROOFTOP MECHANICAL EQUIPMENT

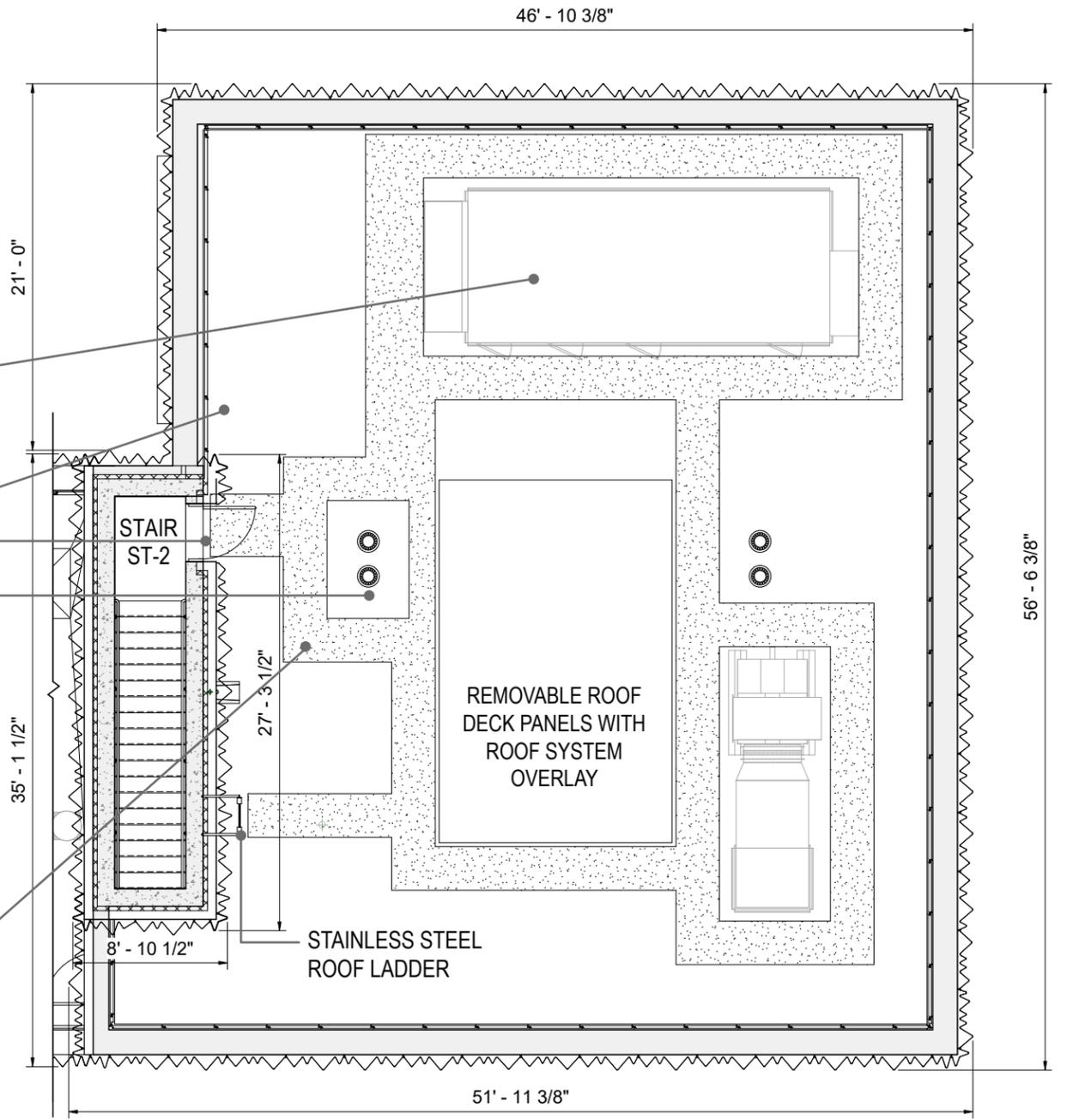
ELASTOMERIC ROOFING SYSTEM, TYP

ROOF ACCESS DOOR, TYP

ROOF DRAINS AND SUMP ZONE, TYP

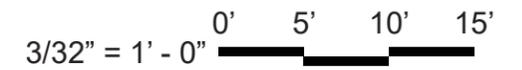
ADHERED ELASTOMERIC ROOF WALKWAY PADS

ROOF ACCESS DOOR, TYP

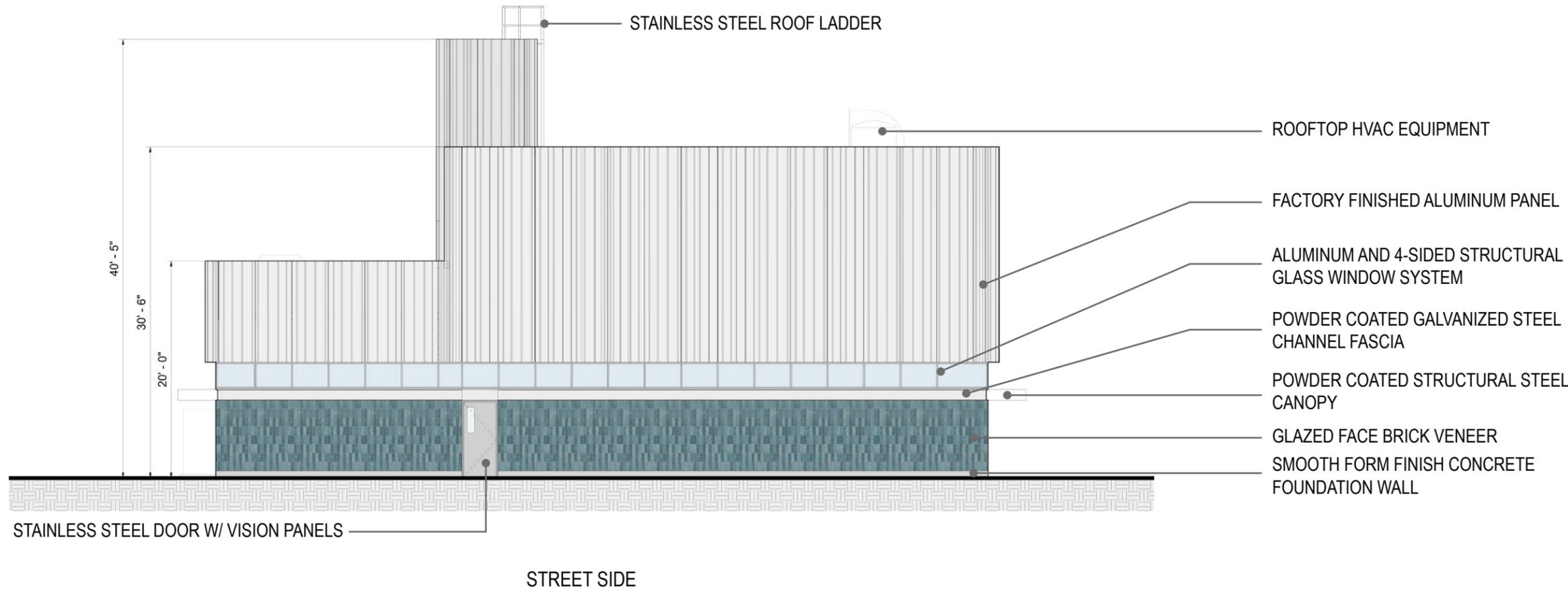


STREET SIDE

UPPER ROOF PLAN



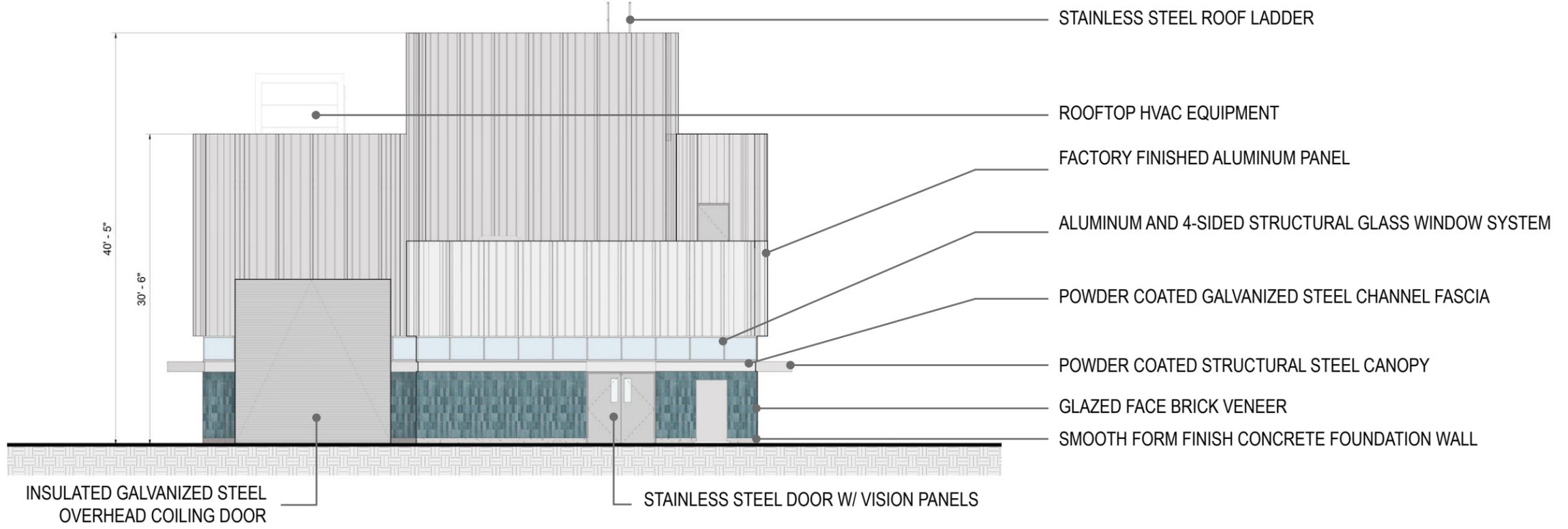
- EL 60.25 TO BULKHEAD PARAPET
- EL 51.83 TO UPPER ROOF PARAPET
- EL 41.33 TO LOW ROOF PARAPET
- EL 22.00 TO 1ST FLOOR
- EL. 18.00 DESIGN FLOOD ELEVATION



EXTERIOR ELEVATION - SOUTH

1/8" = 1' - 0" 0' 4' 8' 12'

- EL 60.25 TO BULKHEAD PARAPET
- EL 51.83 TO UPPER ROOF PARAPET
- EL 41.33 TO LOW ROOF PARAPET
- EL 22.00 TO 1ST FLOOR
- EL. 18.00 DESIGN FLOOD ELEVATION



EXTERIOR ELEVATION - WEST

1/8" = 1' - 0" 0' 4' 8' 12'

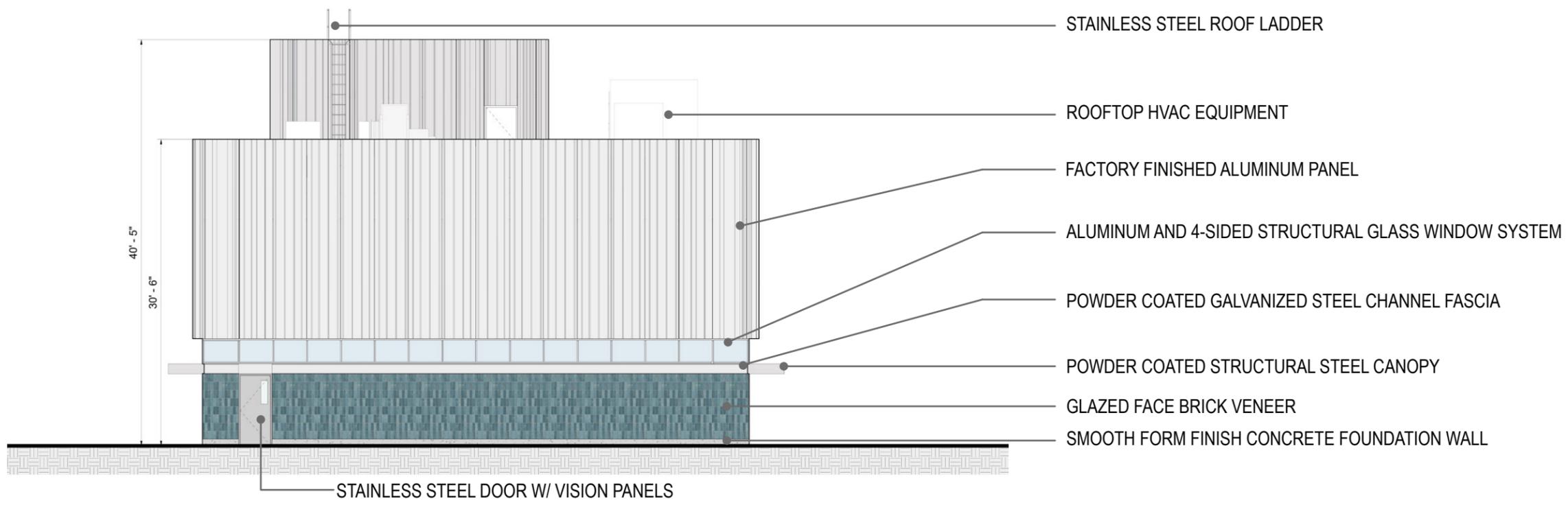


EL 60.25 TO BULKHEAD PARAPET

EL 51.83 TO UPPER ROOF PARAPET

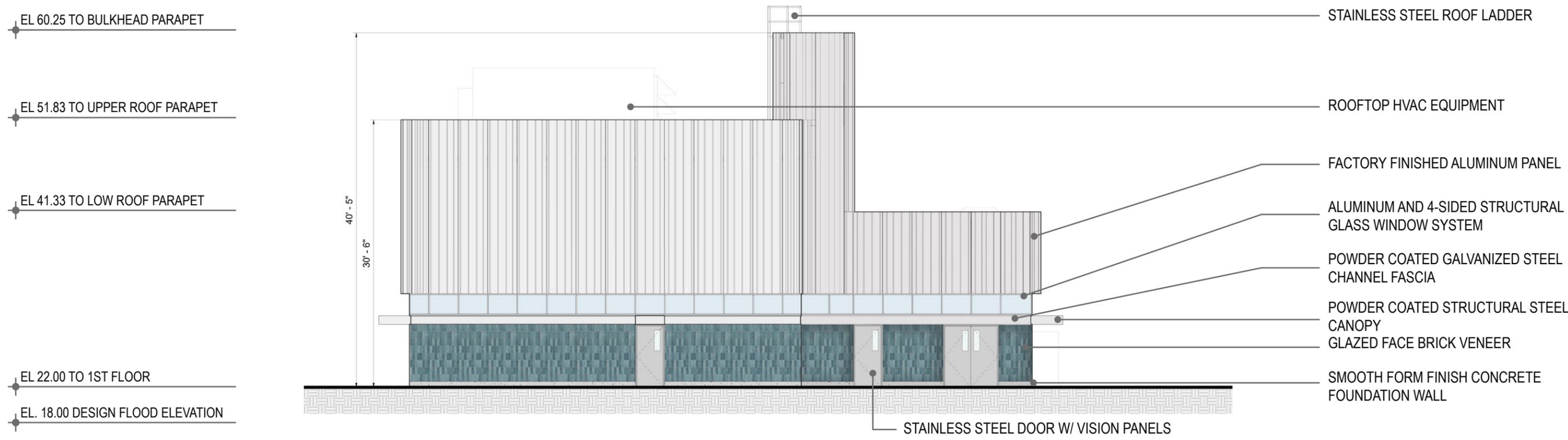
EL 22.00 TO 1ST FLOOR

EL. 18.00 DESIGN FLOOD ELEVATION

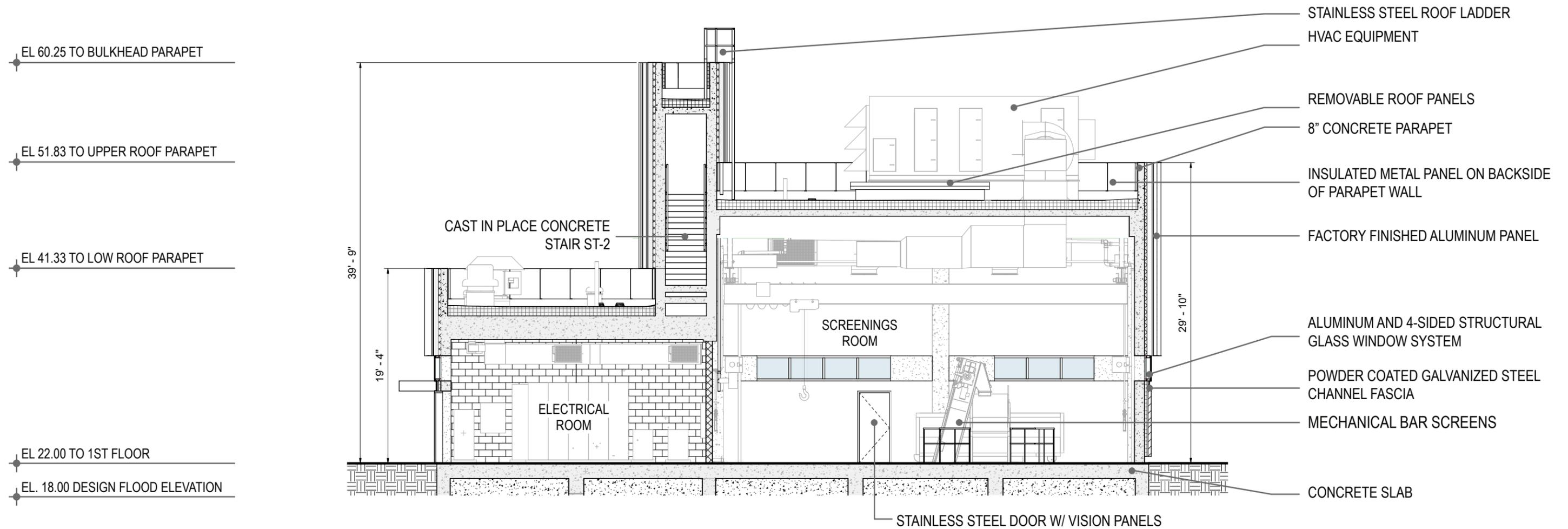


EXTERIOR ELEVATION - EAST

1/8" = 1' - 0" 0' 4' 8' 12'

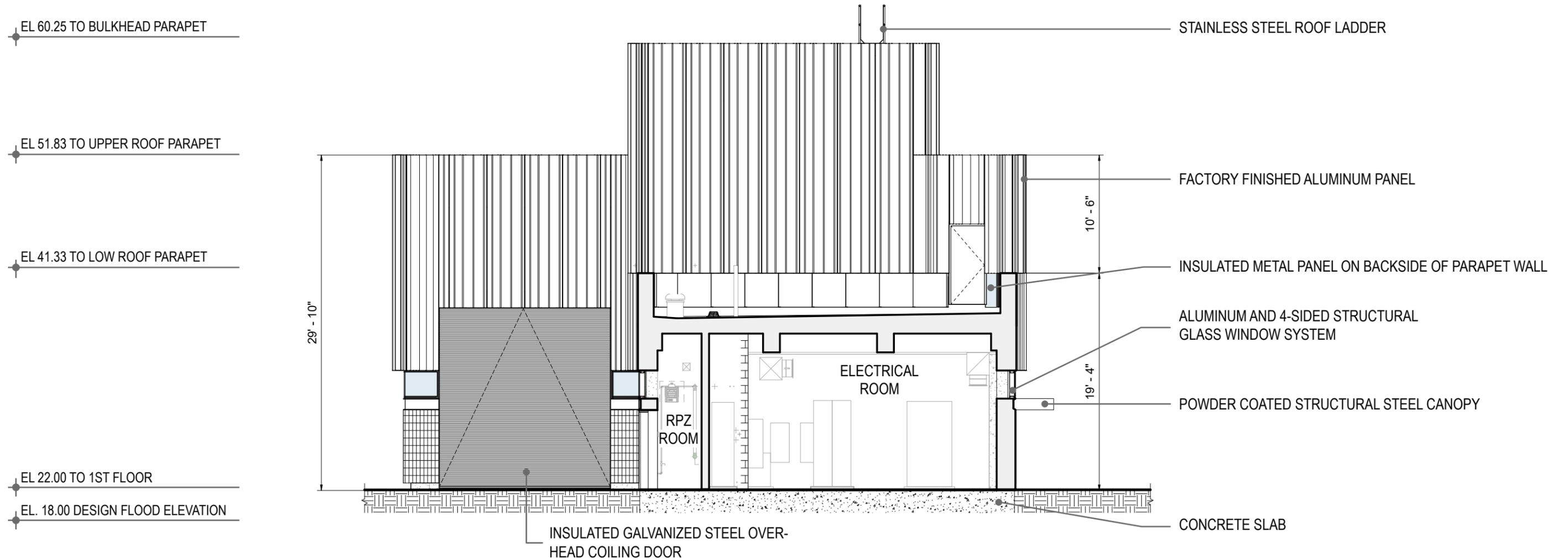


EXTERIOR ELEVATION - NORTH

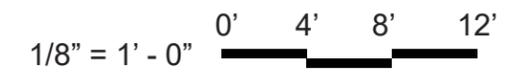


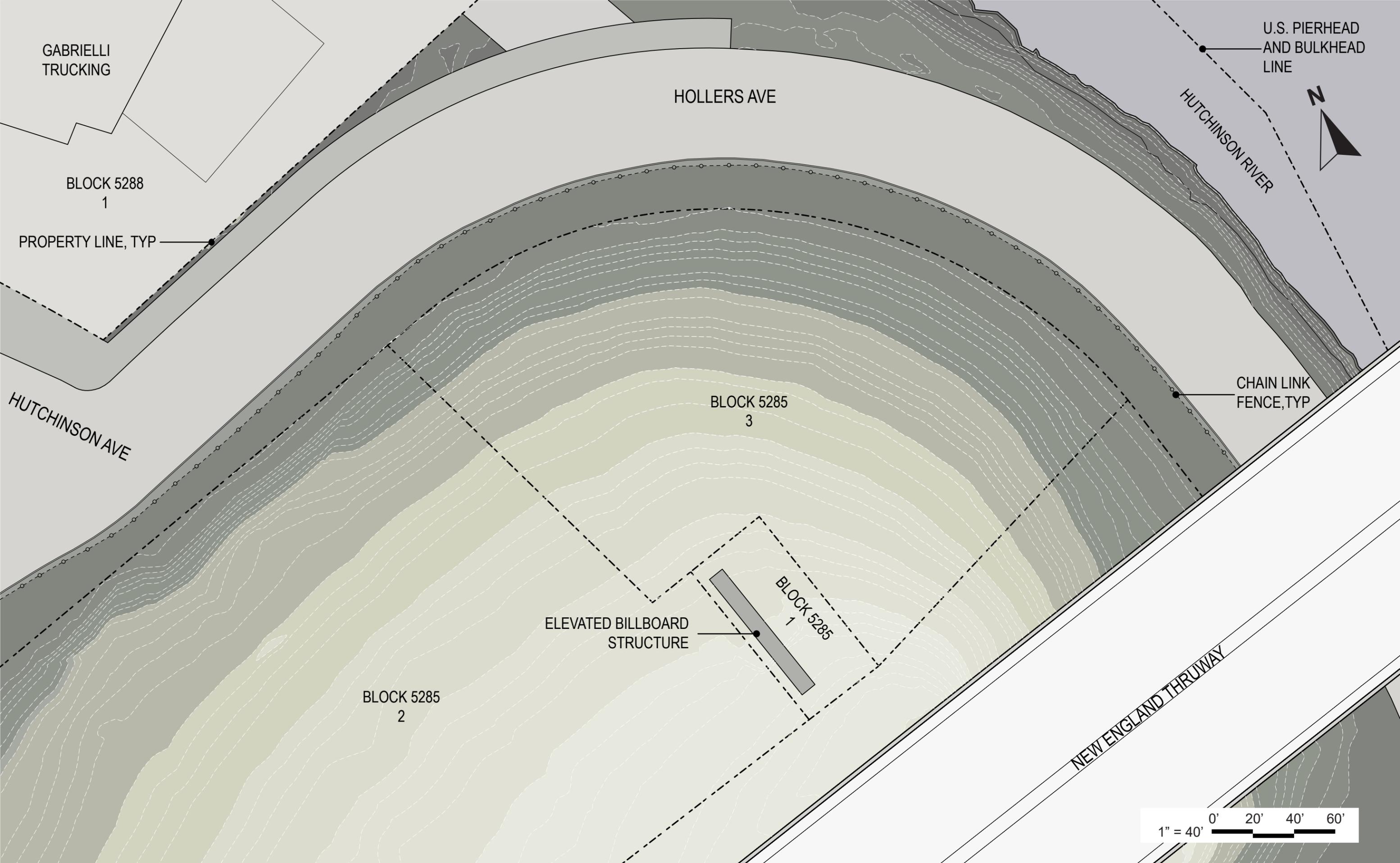
BUILDING SECTION A





BUILDING SECTION B





GABRIELLI TRUCKING

BLOCK 5288
1

PROPERTY LINE, TYP

HOLLERS AVE

U.S. PIERHEAD AND BULKHEAD LINE

HUTCHINSON RIVER



HUTCHINSON AVE

CHAIN LINK FENCE, TYP

BLOCK 5285
3

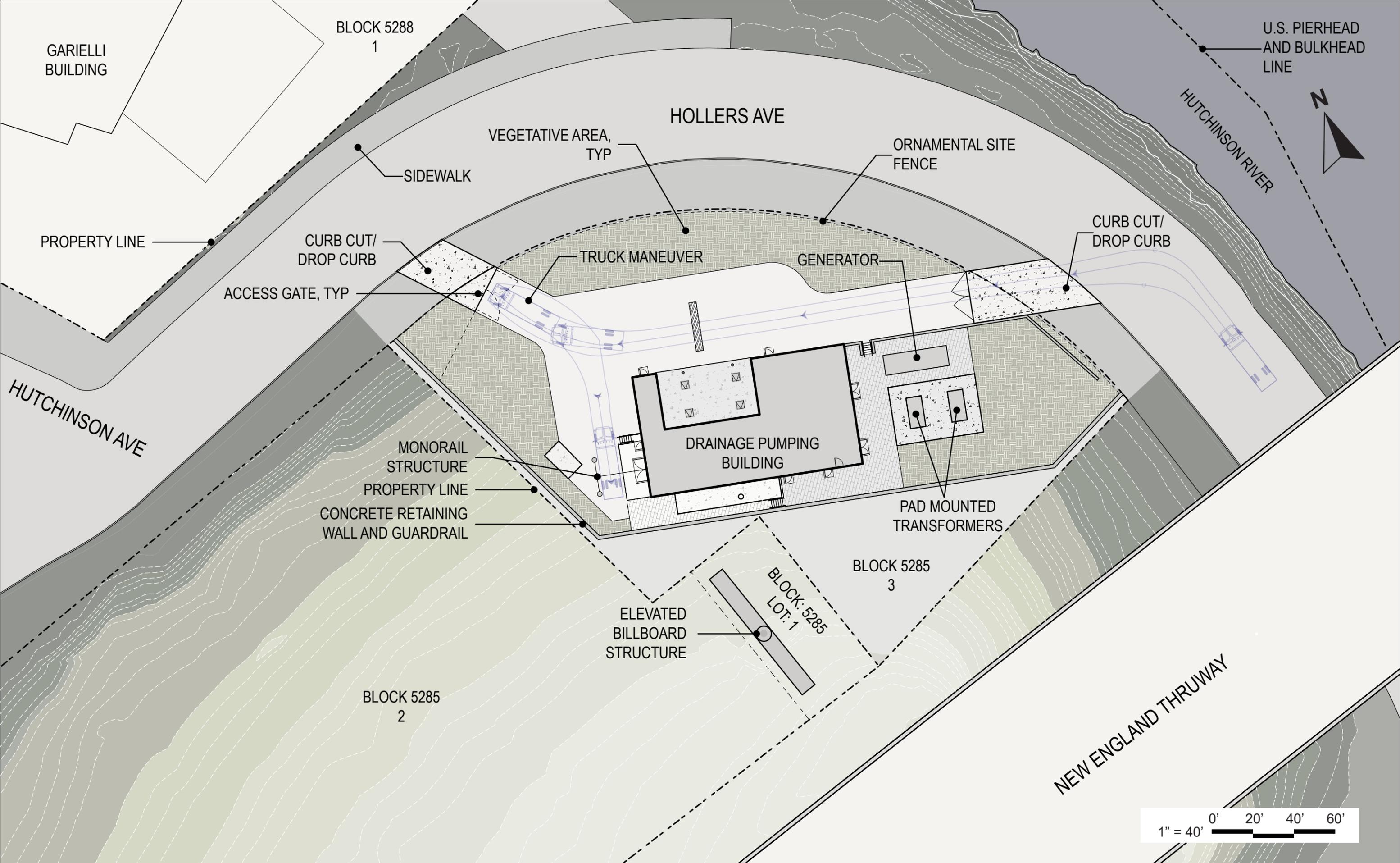
ELEVATED BILLBOARD STRUCTURE

BLOCK 5285
1

BLOCK 5285
2

NEW ENGLAND THRUWAY





GARIELLI BUILDING

BLOCK 5288
1

HOLLERS AVE

U.S. PIERHEAD
AND BULKHEAD
LINE

VEGETATIVE AREA,
TYP

ORNAMENTAL SITE
FENCE

SIDEWALK

CURB CUT/
DROP CURB

PROPERTY LINE

CURB CUT/
DROP CURB

TRUCK MANEUVER

GENERATOR

ACCESS GATE, TYP

HUTCHINSON AVE

DRAINAGE PUMPING
BUILDING

PAD MOUNTED
TRANSFORMERS

MONORAIL
STRUCTURE
PROPERTY LINE
CONCRETE RETAINING
WALL AND GUARDRAIL

BLOCK 5285
3

ELEVATED
BILLBOARD
STRUCTURE

BLOCK: 5285
LOT: 1

BLOCK 5285
2

NEW ENGLAND THRUWAY

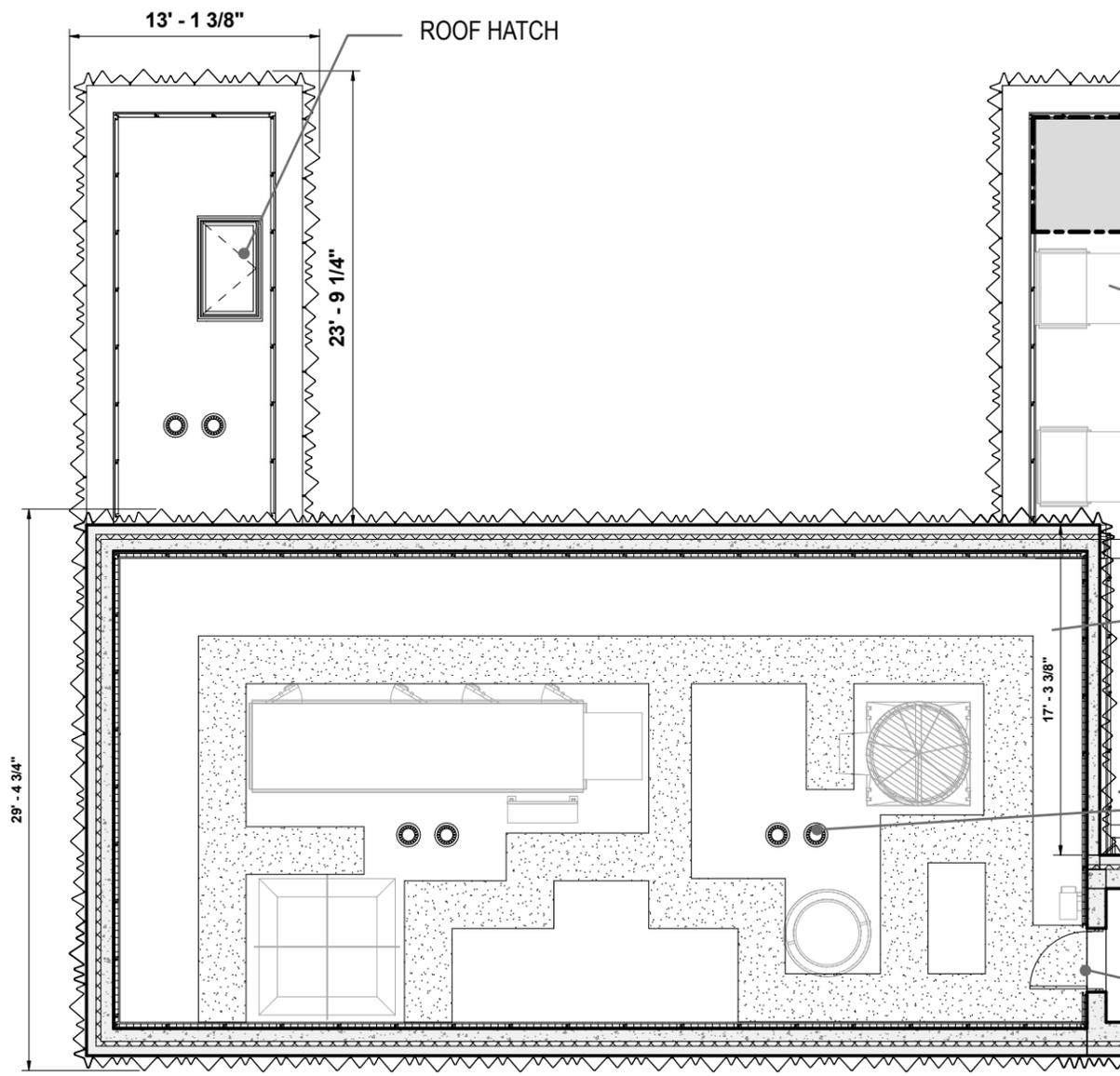
1" = 40' 0' 20' 40' 60'





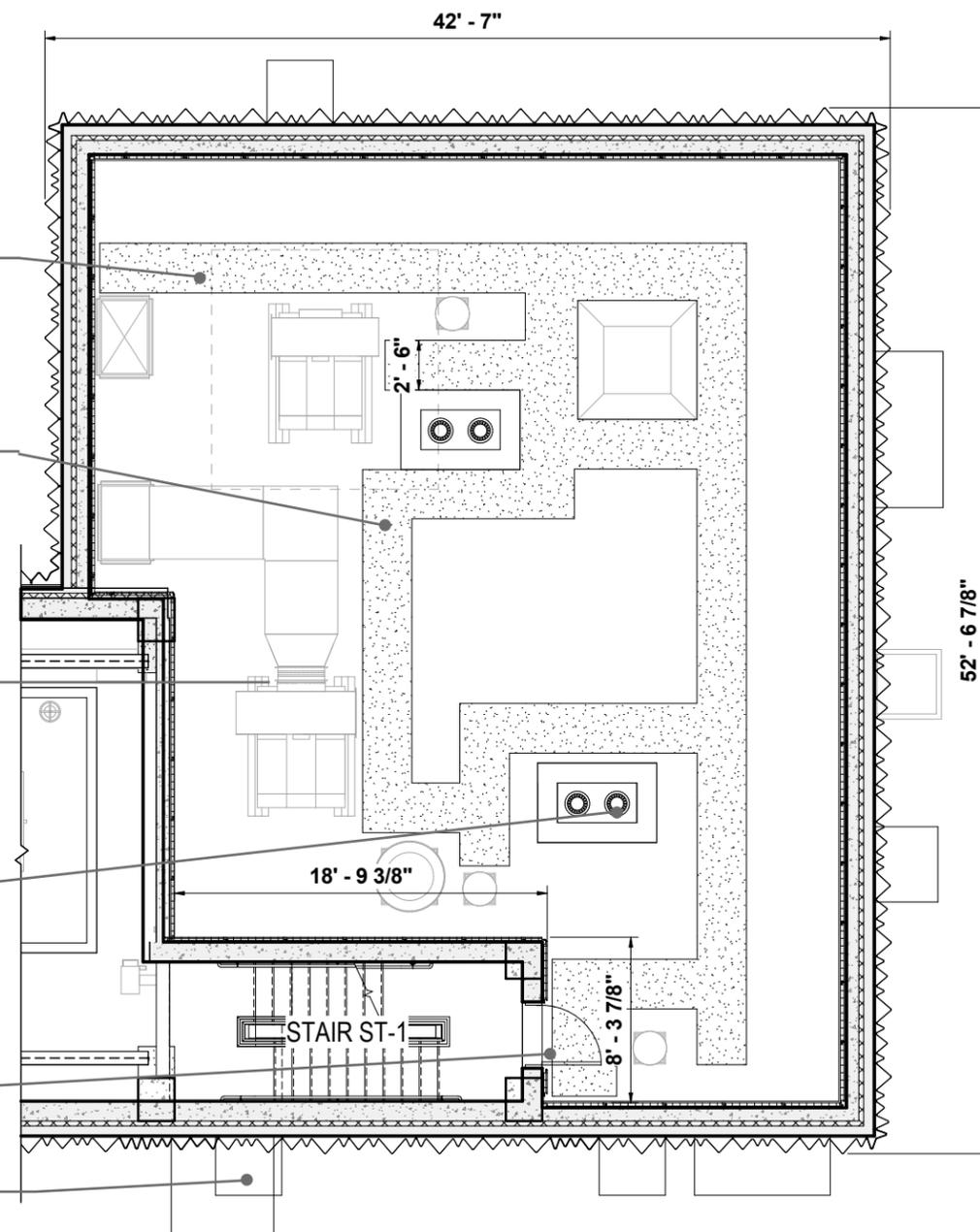
STREET SIDE

STREET SIDE



HIGH ROOF PLAN

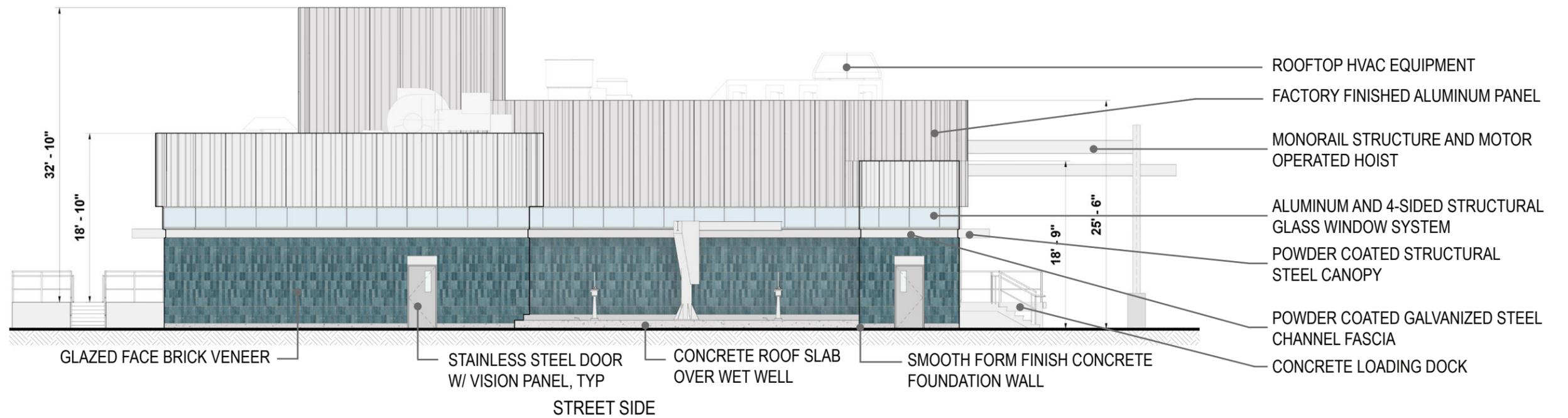
- ROOFTOP MECHANICAL EQUIPMENT
- REFER TO LOW ROOF PLAN FOR INFORMATION
- ELASTOMERIC ROOFING SYSTEM, TYP
- ADHERED ELASTOMERIC ROOF WALKWAY PADS
- ROOF DRAINS AND SUMP ZONE, TYP
- ROOF ACCESS DOOR, TYP
- POWDER COATED STRUCTURAL STEEL CANOPY, TYP



LOW ROOF PLAN



EL 50.83 TO BULKHEAD PARAPET
 EL 40.50 TO UPPER ROOF PARAPET
 EL 36.83 TO LOWER ROOF PARAPET
 EL 18.00 TO 1ST FLOOR / DFE
 EL 15.00 TO GRADE



EXTERIOR ELEVATION - NORTH

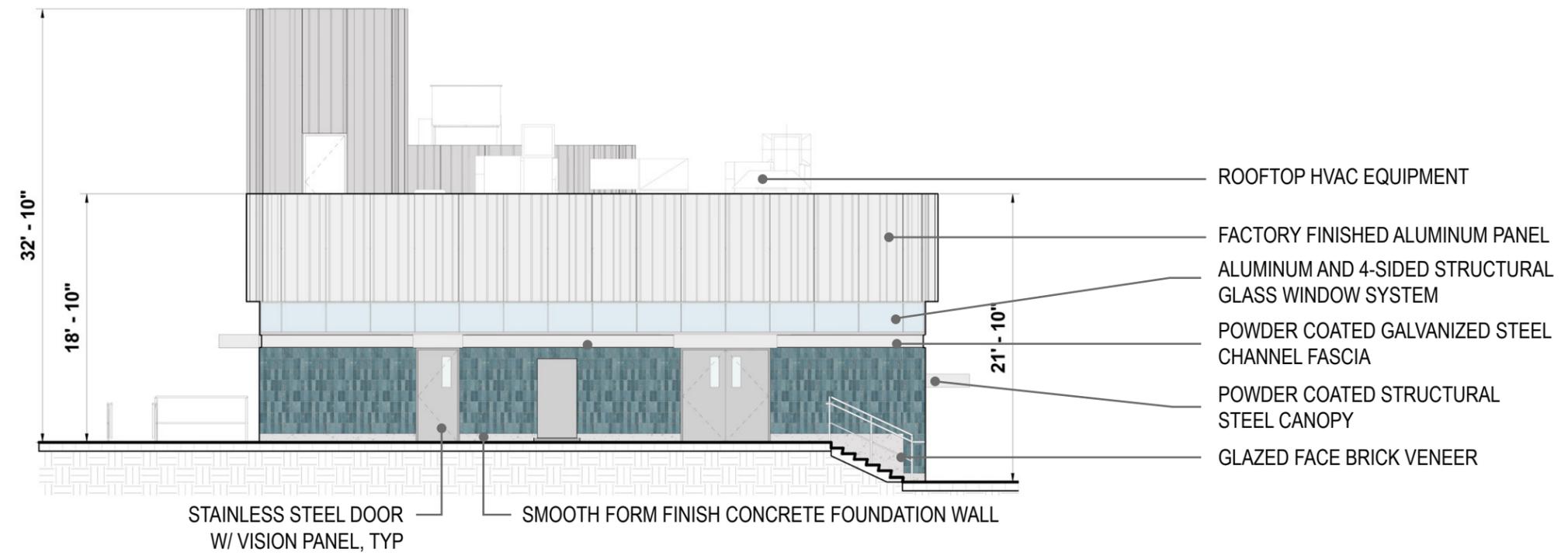
3/32" = 1' - 0" 0' 5' 10' 15'

EL 50.83 TO BULKHEAD PARAPET

EL 40.50 TO UPPER ROOF PARAPET

EL 36.83 TO LOWER ROOF PARAPET

EL 18.00 TO 1ST FLOOR / DFE



EXTERIOR ELEVATION - EAST

3/32" = 1' - 0" 0' 5' 10' 15'

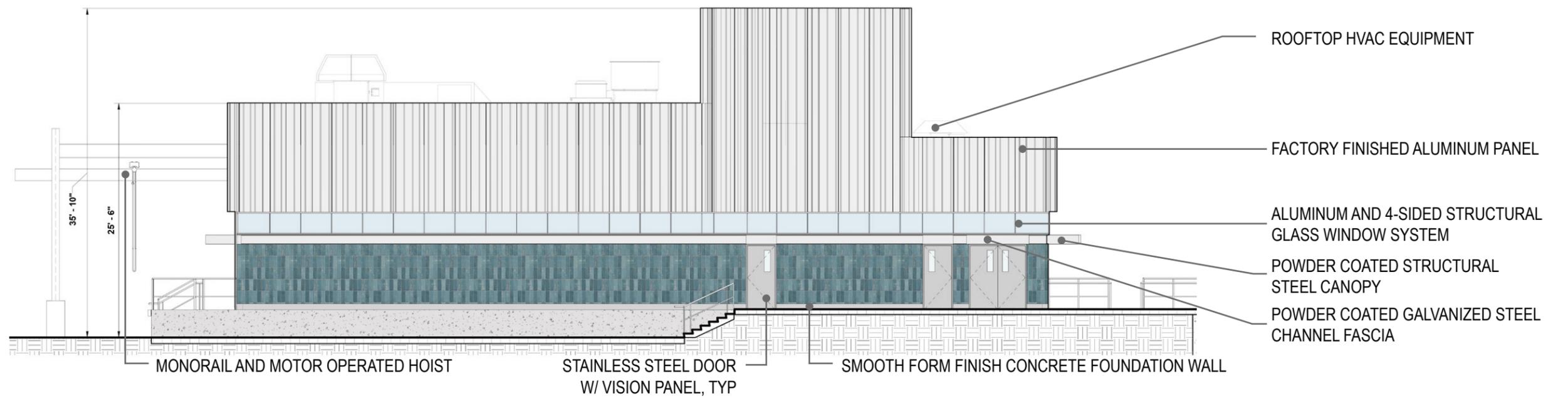
EL 50.83 TO BULKHEAD PARAPET

EL 40.50 TO UPPER ROOF PARAPET

EL 36.83 TO LOWER ROOF PARAPET

EL 18.00 TO 1ST FLOOR / DFE

EL 15.00 TO GRADE



EXTERIOR ELEVATION - SOUTH

3/32" = 1' - 0" 0' 5' 10' 15'

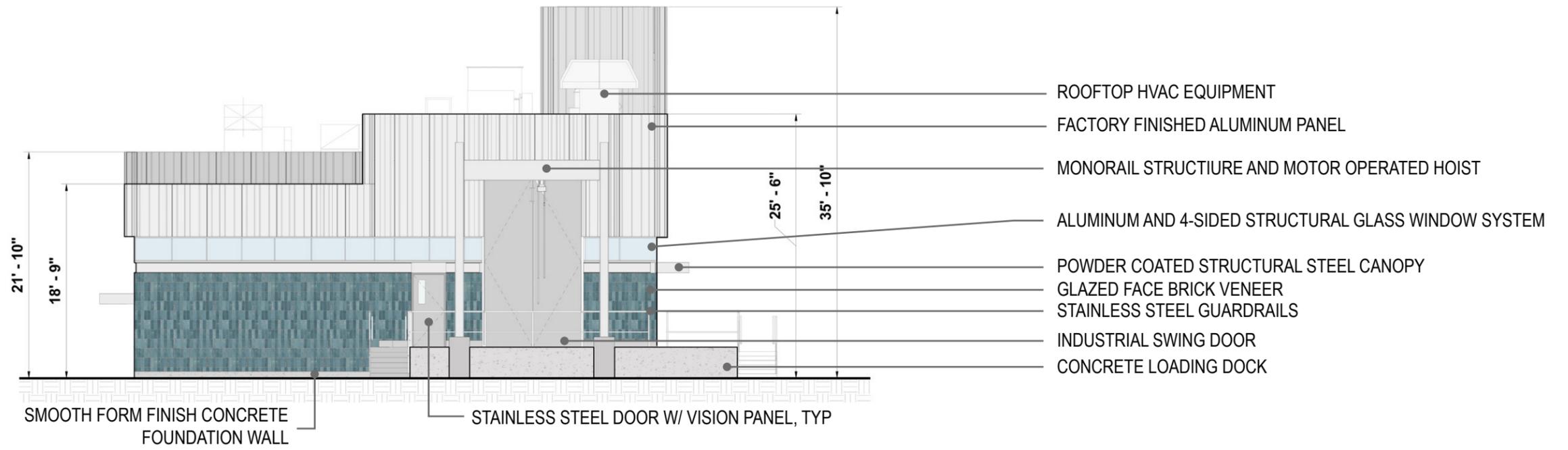
EL 50.83 TO BULKHEAD PARAPET

EL 40.50 TO UPPER ROOF PARAPET

EL 36.83 TO LOWER ROOF PARAPET

EL 18.00 TO 1ST FLOOR / DFE

EL 15.00 TO GRADE



EXTERIOR ELEVATION - WEST

3/32" = 1' - 0" 0' 5' 10' 15'

EL 50.83 TO BULKHEAD PARAPET

EL 40.50 TO UPPER ROOF PARAPET

EL 36.83 TO LOWER ROOF PARAPET

EL 18.00 TO 1ST FLOOR / DFE

EL 6.25 TO LANDING

EL -2.50 SCREEN ROOM

EL -15.00 BOT WET WELL



ROOFTOP HVAC EQUIPMENT

FACTORY FINISHED ALUMINUM PANEL

MONORAIL AND MOTOR OPERATED HOIST

INSULATED METAL PANEL

STAINLESS STEEL GUARDRAIL

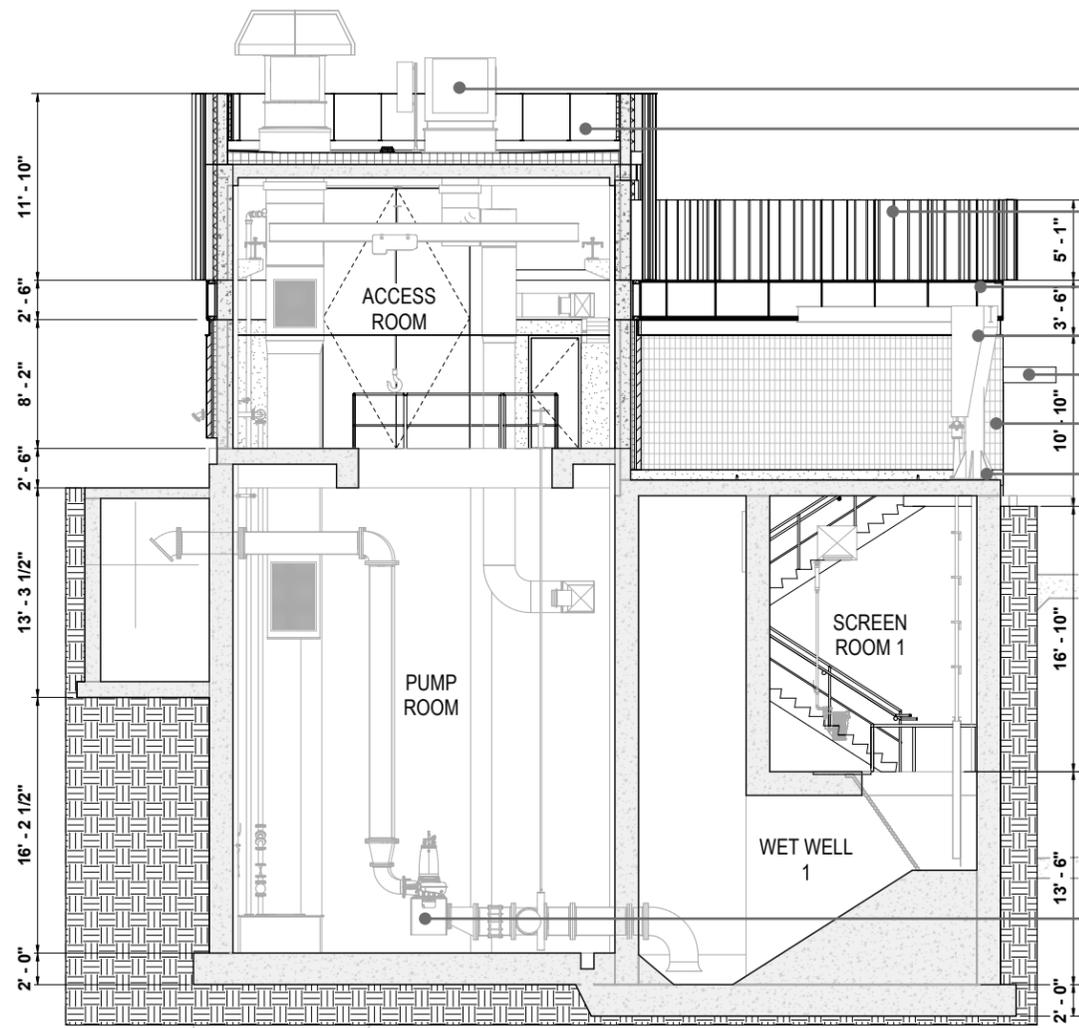
GLAZED FACE BRICK VENEER

BUILDING SECTION A

3/32" = 1' - 0" 0' 5' 10' 15'

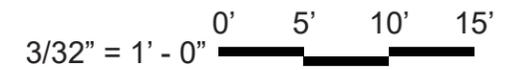


- EL 40.50 TO UPPER ROOF PARAPET
- EL 36.83 TO LOWER ROOF PARAPET
- EL 18.00 TO 1ST FLOOR / DFE
- EL 15.00 GRADE
- EL -12.66 PUMP ROOM
- EL -15.00 BOT WET WELL



- ROOFTOP HVAC EQUIPMENT
- INSULATED METAL PANEL
- FACTORY FINISHED ALUMINUM PANEL
- ALUMINUM AND 4-SIDED STRUCTURAL GLASS WINDOW SYSTEM
- JIB CRANE
- POWDER COATED STRUCTURAL STEEL CANOPY
- GLAZED FACE BRICK VENEER
- SMOOTH FORM FINISH CONCRETE FOUNDATION WALL
- PLUMBING EQUIPMENT

BUILDING SECTION B



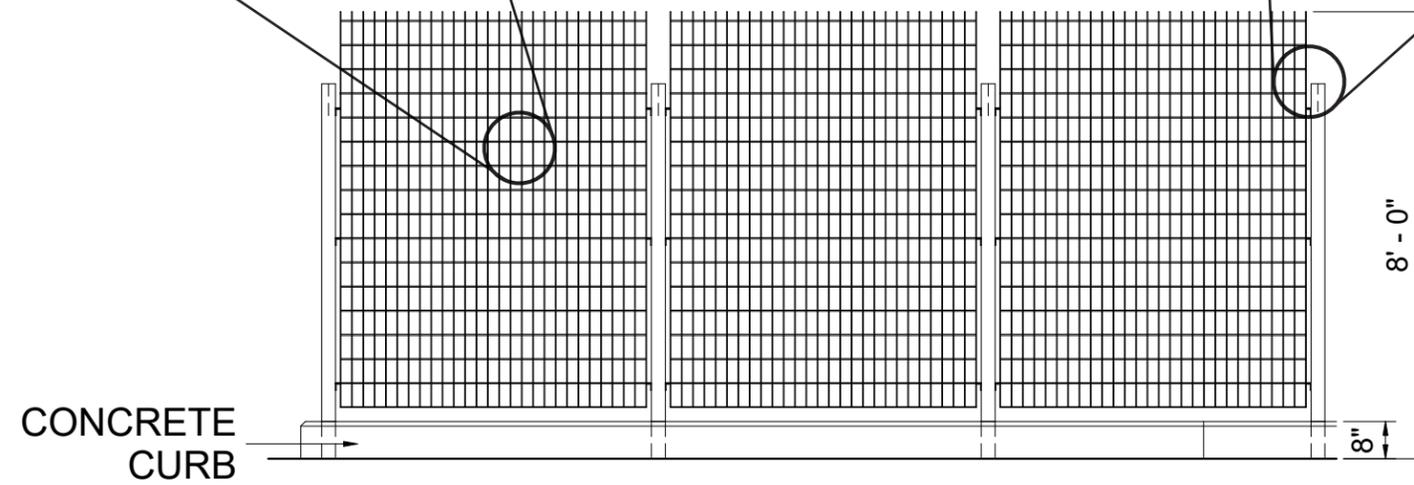
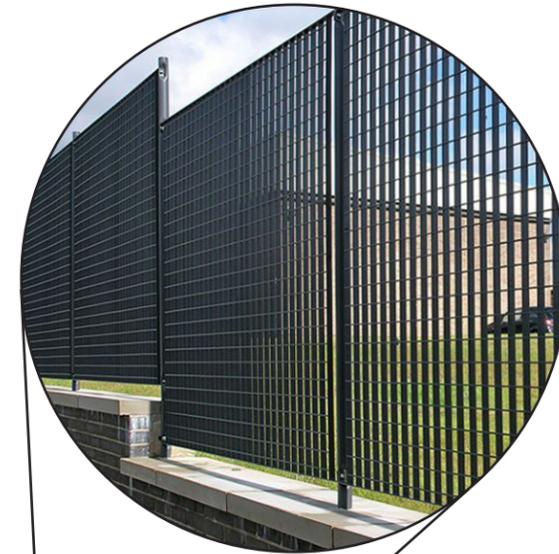
GALVANIZED & POWDER COATED
INFILL PANEL

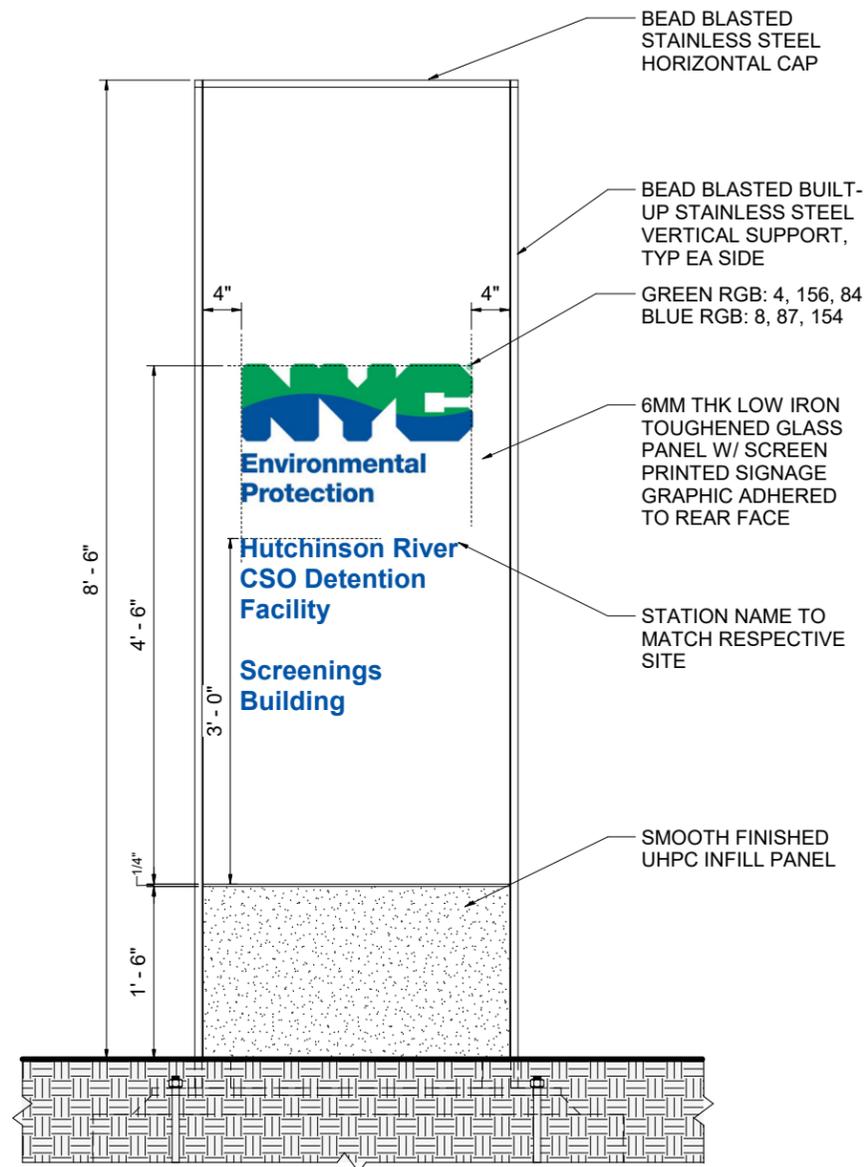


EXTERIOR SITE FENCE
GATE

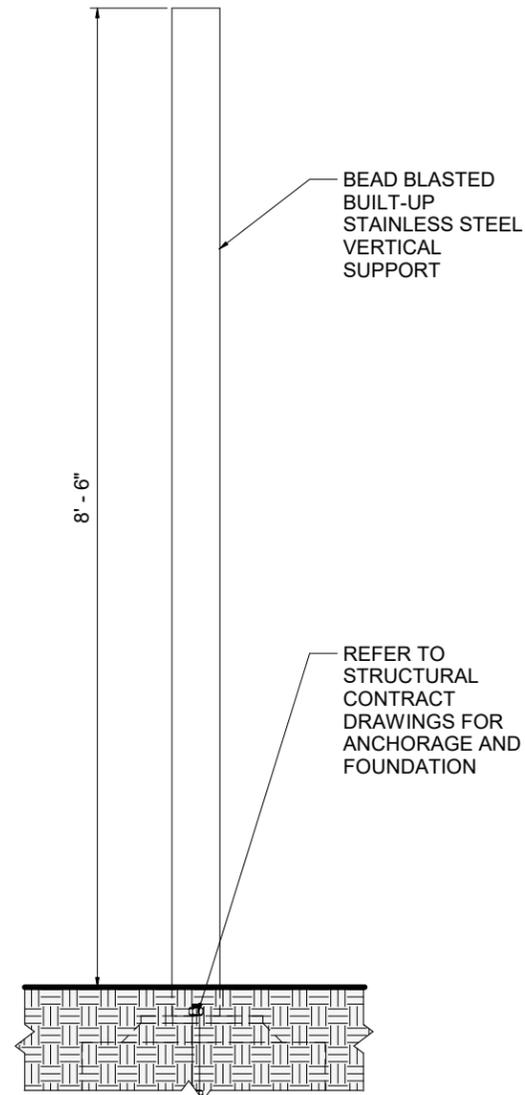


GALVANIZED, POWDER COATED HSS
WITH TOP CAP

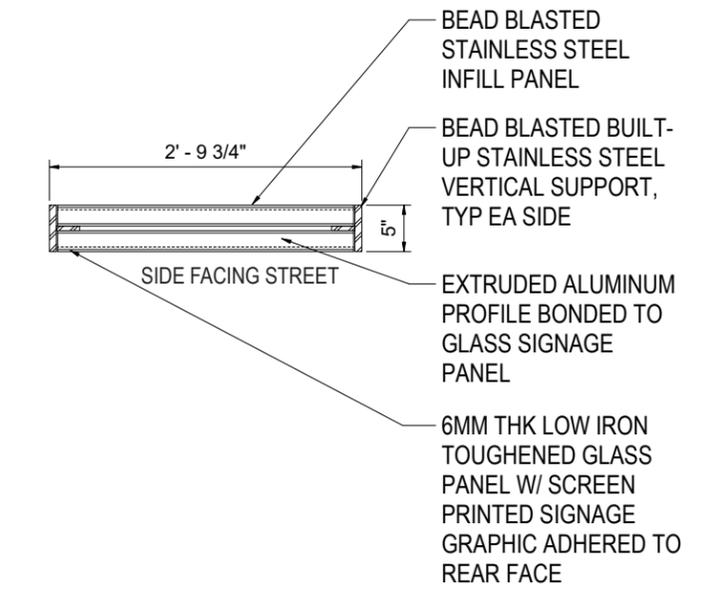




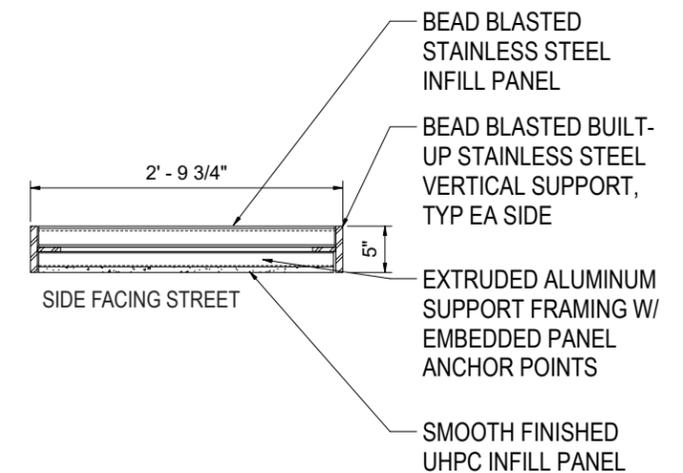
FRONT ELEVATION



SIDE ELEVATION



PLAN AT SIGNAGE PANEL



PLAN AT UHPC INFILL PANEL



www.AlphaRecyclingUS.com
P: 855-740-0030 F: 718-944-2301
DCA NO. 1350511 DMV NO. 7110845
1641 E.233rd St BRONX, NY 10466





