

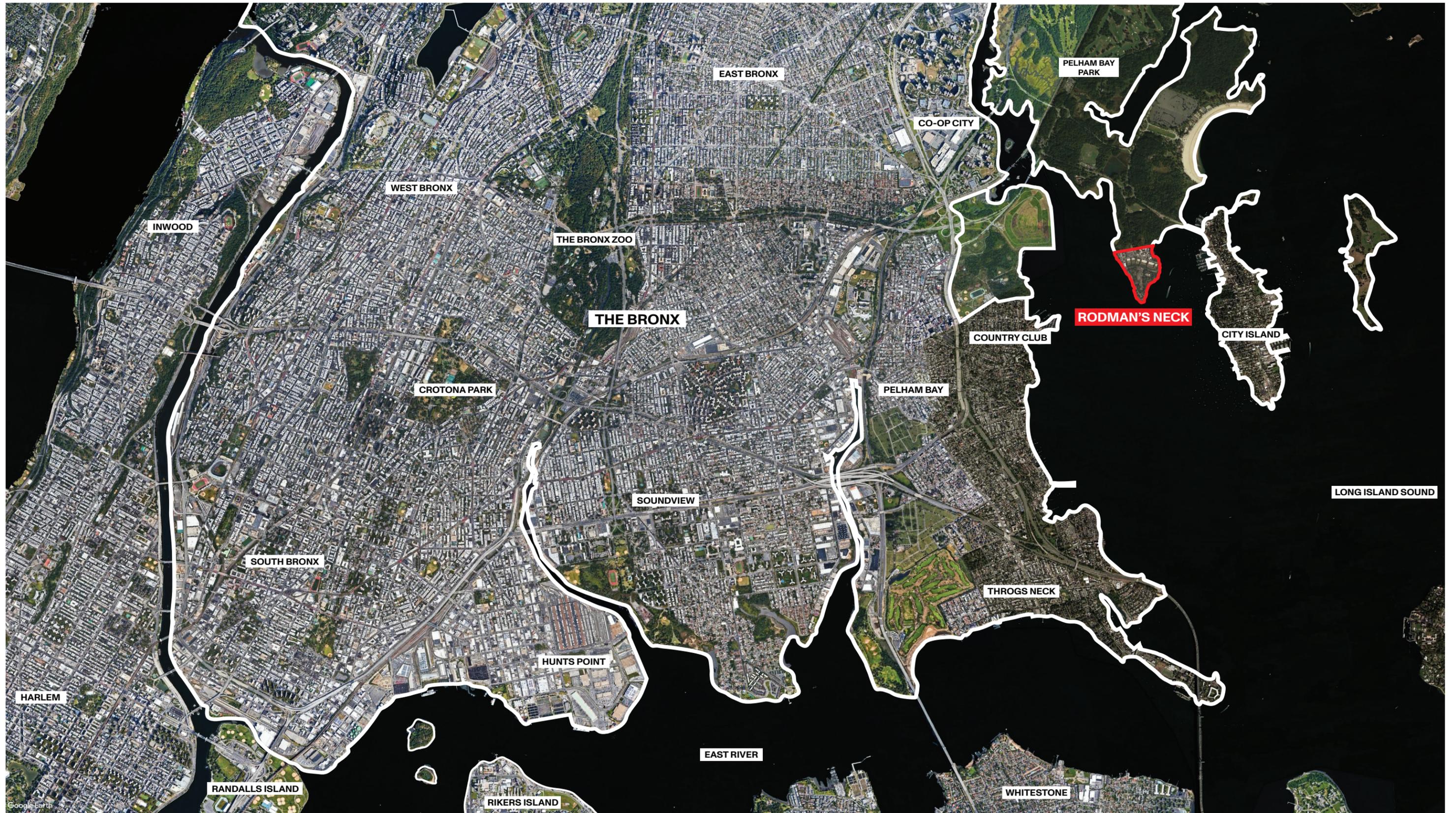
NYPD Firearms and Tactics Facility

PDC Conceptual Review Presentation

November 15, 2021







RODMAN'S NECK FIREARMS AND TACTICS FACILITY

RODMAN'S NECK, THE BRONX, NY 10464

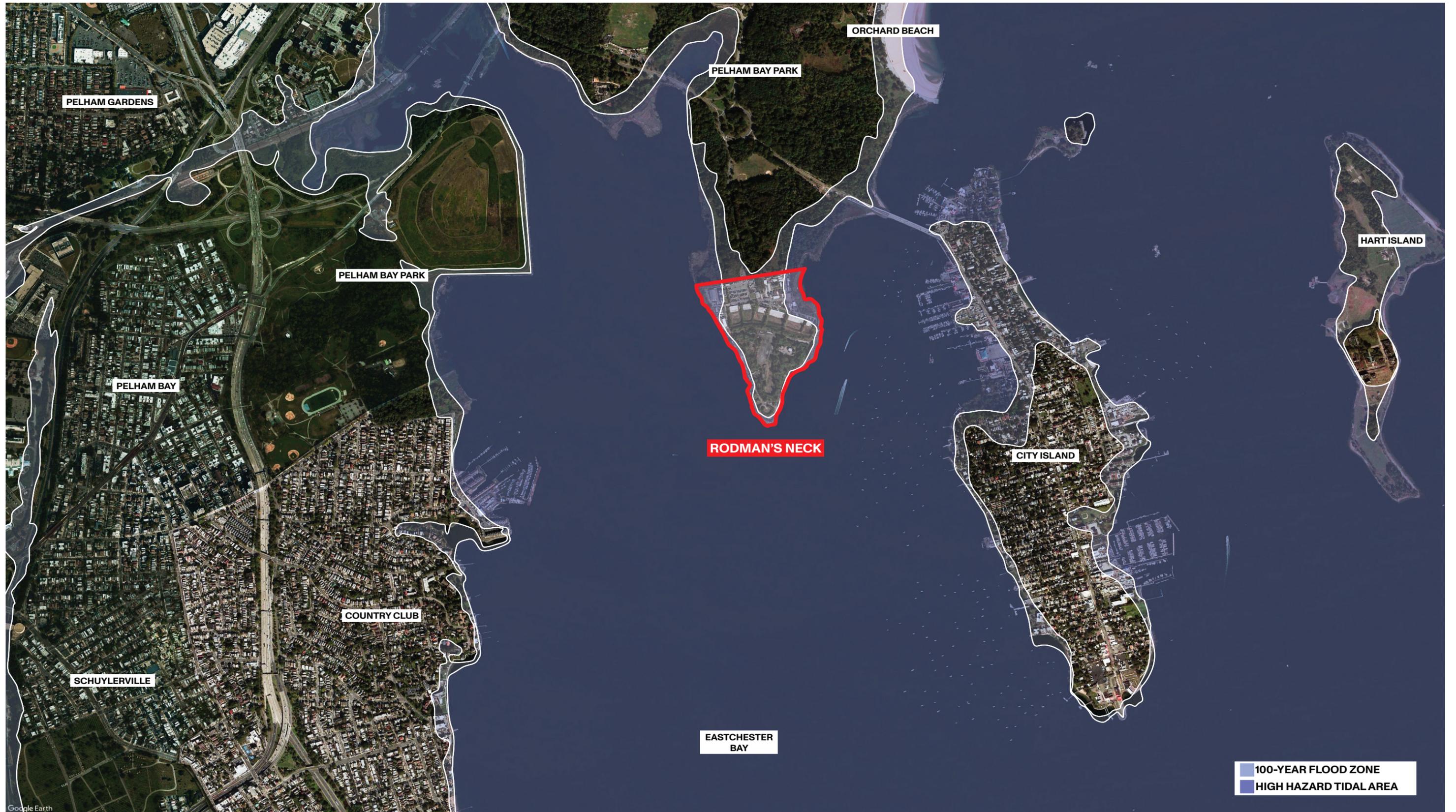
PUBLIC DESIGN COMMISSION - CONCEPTUAL REVIEW - NOVEMBER 15, 2021

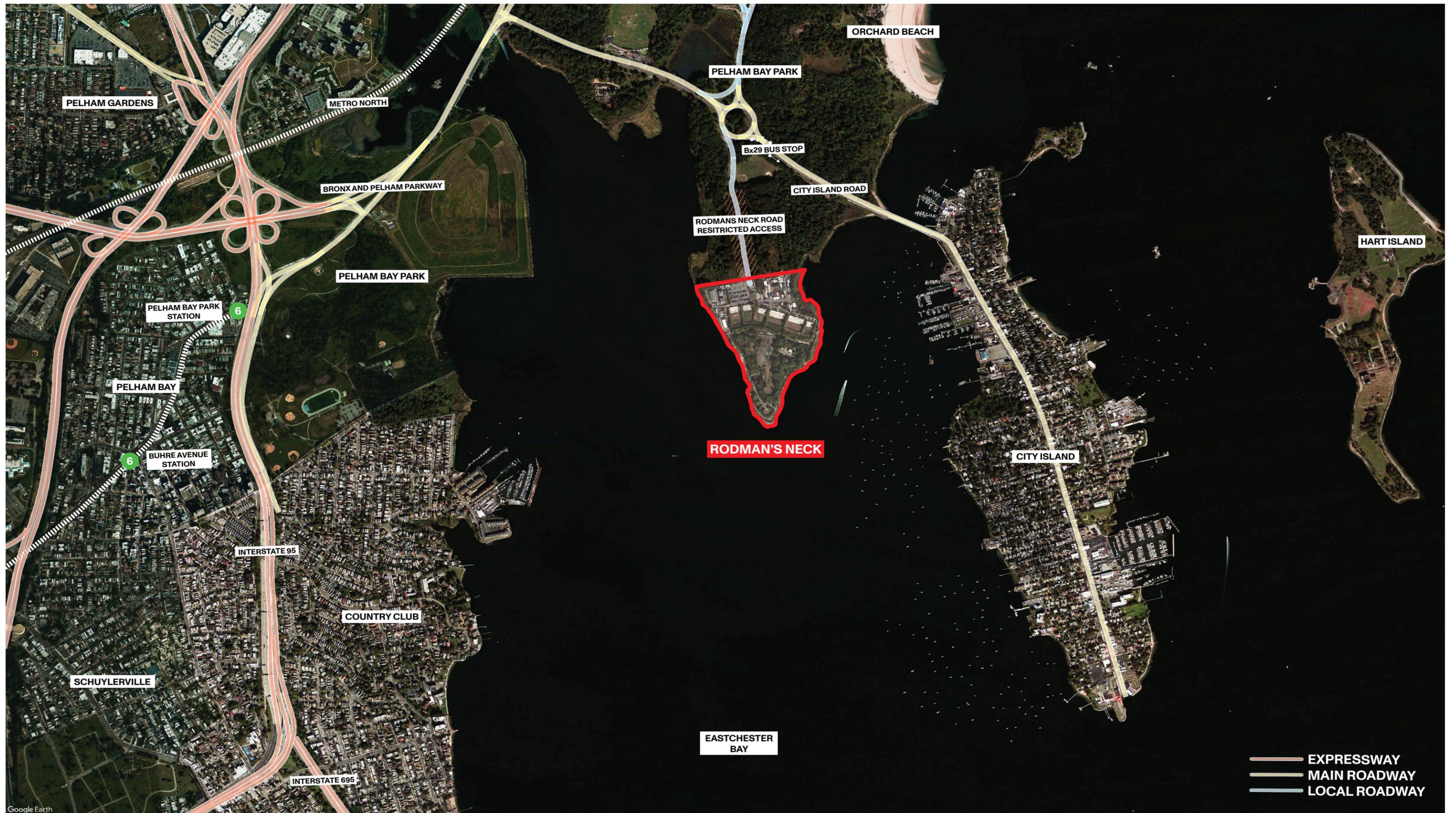




Google Earth





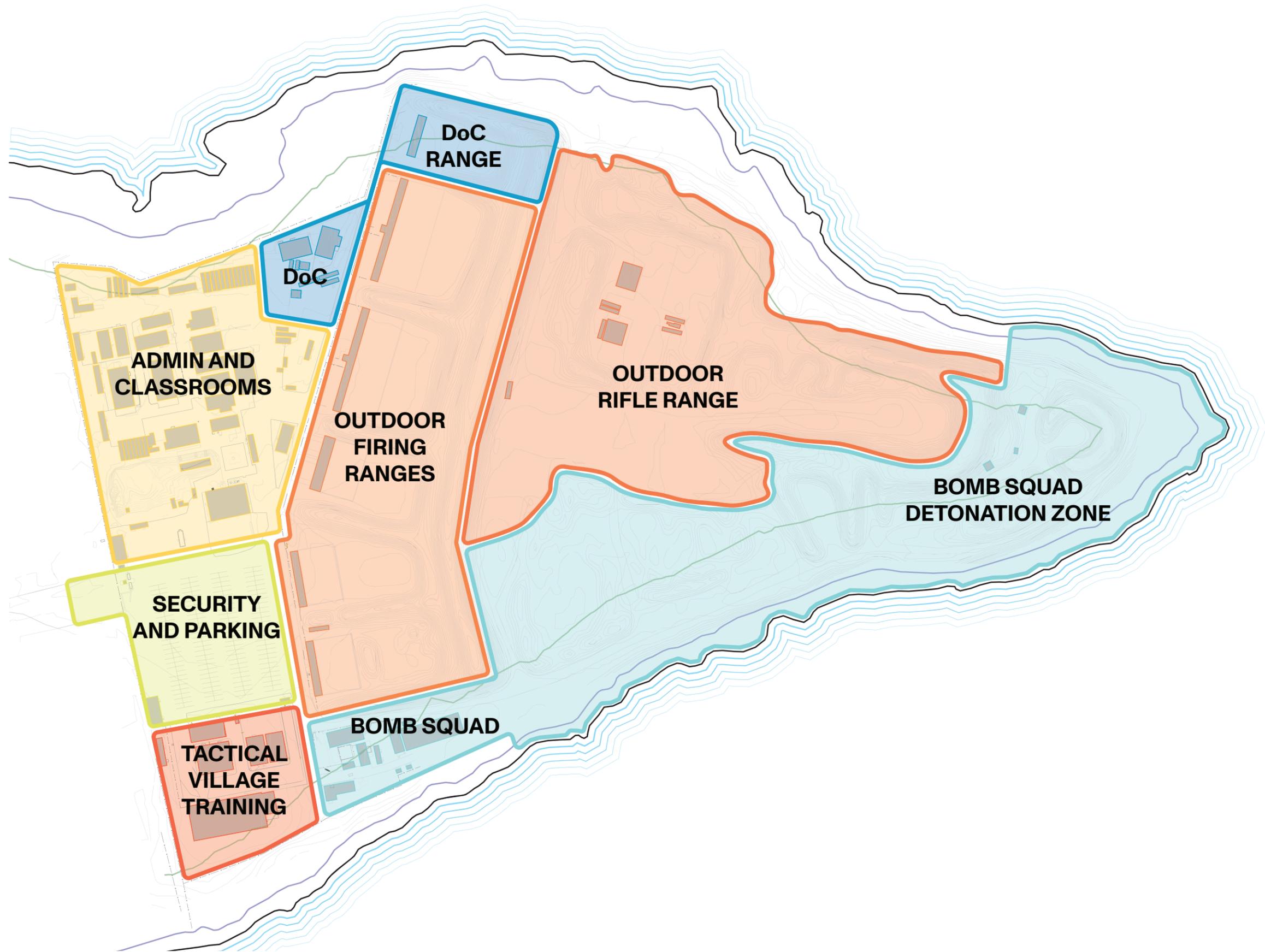






- LEGEND**
- Tidal Wetlands Offset
 - Wetlands Boundary
 - - - Site Fence
 - Existing Structure





BOMB SQUAD
 EMERGENCY ACCESS
 ADMIN / INSTRUCTORS
 TRAINING OFFICERS
 DEPT. OF CORRECTIONS
 BOMB SQUAD





1



2

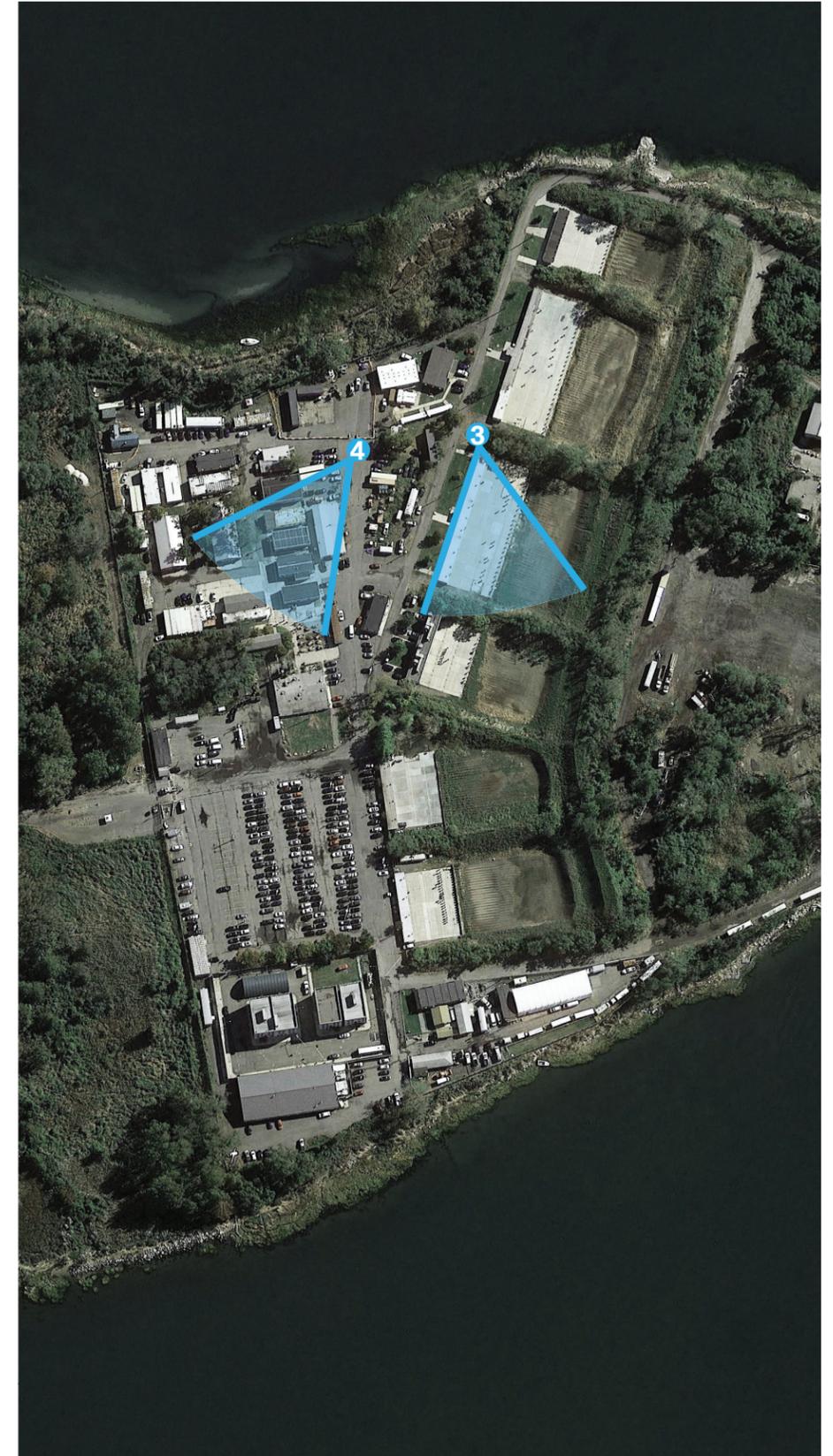




3



4

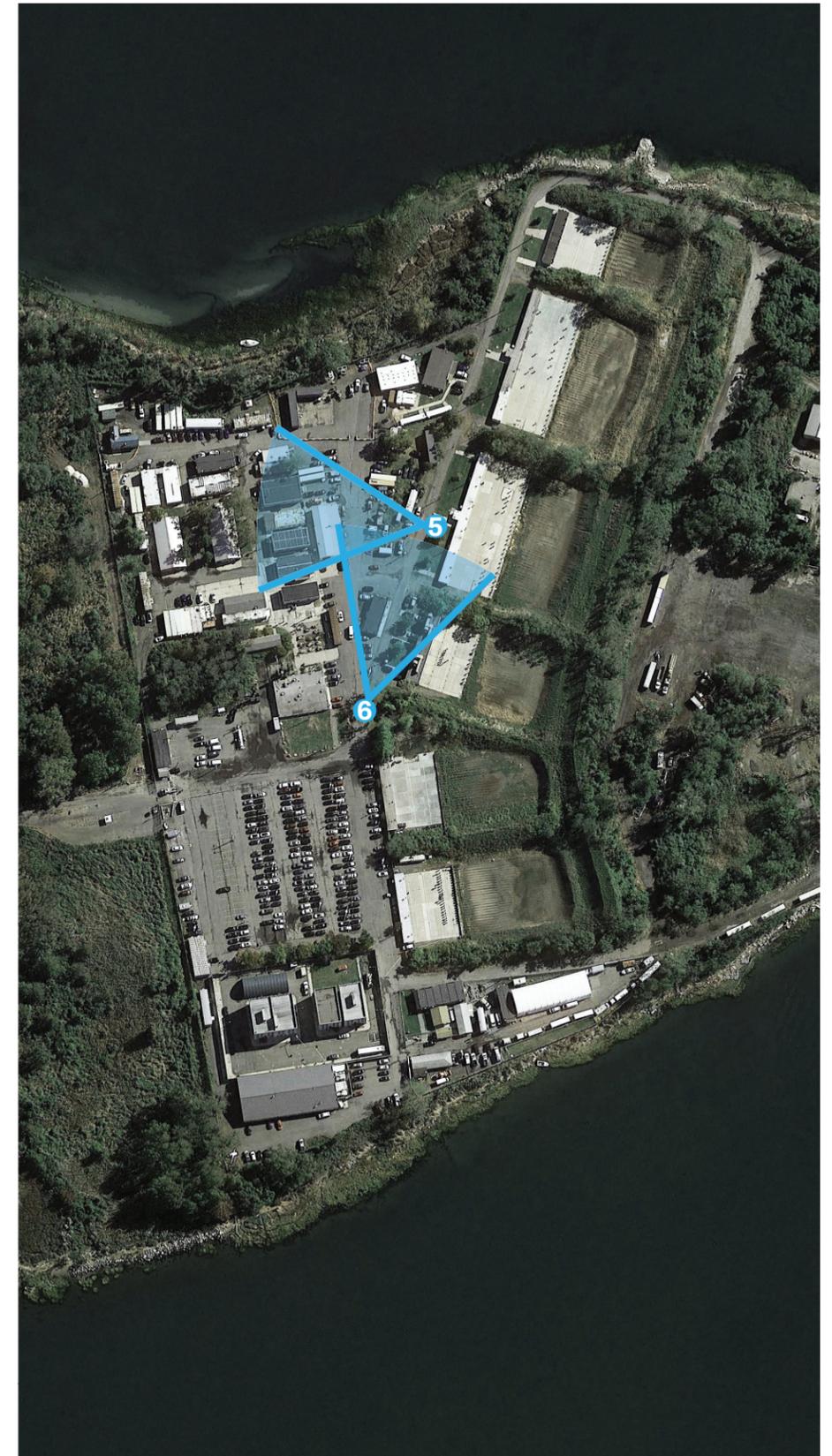




5



6

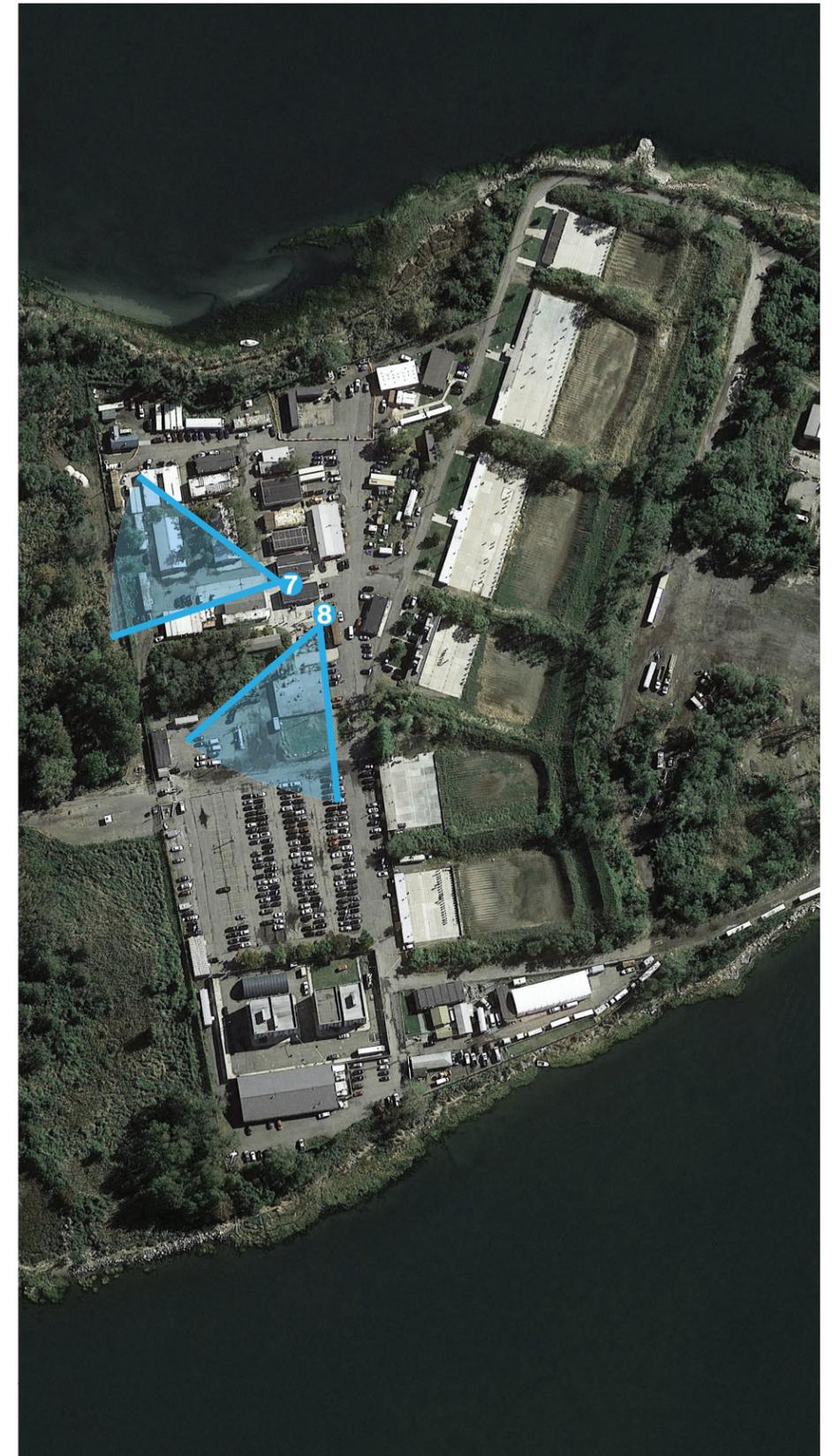




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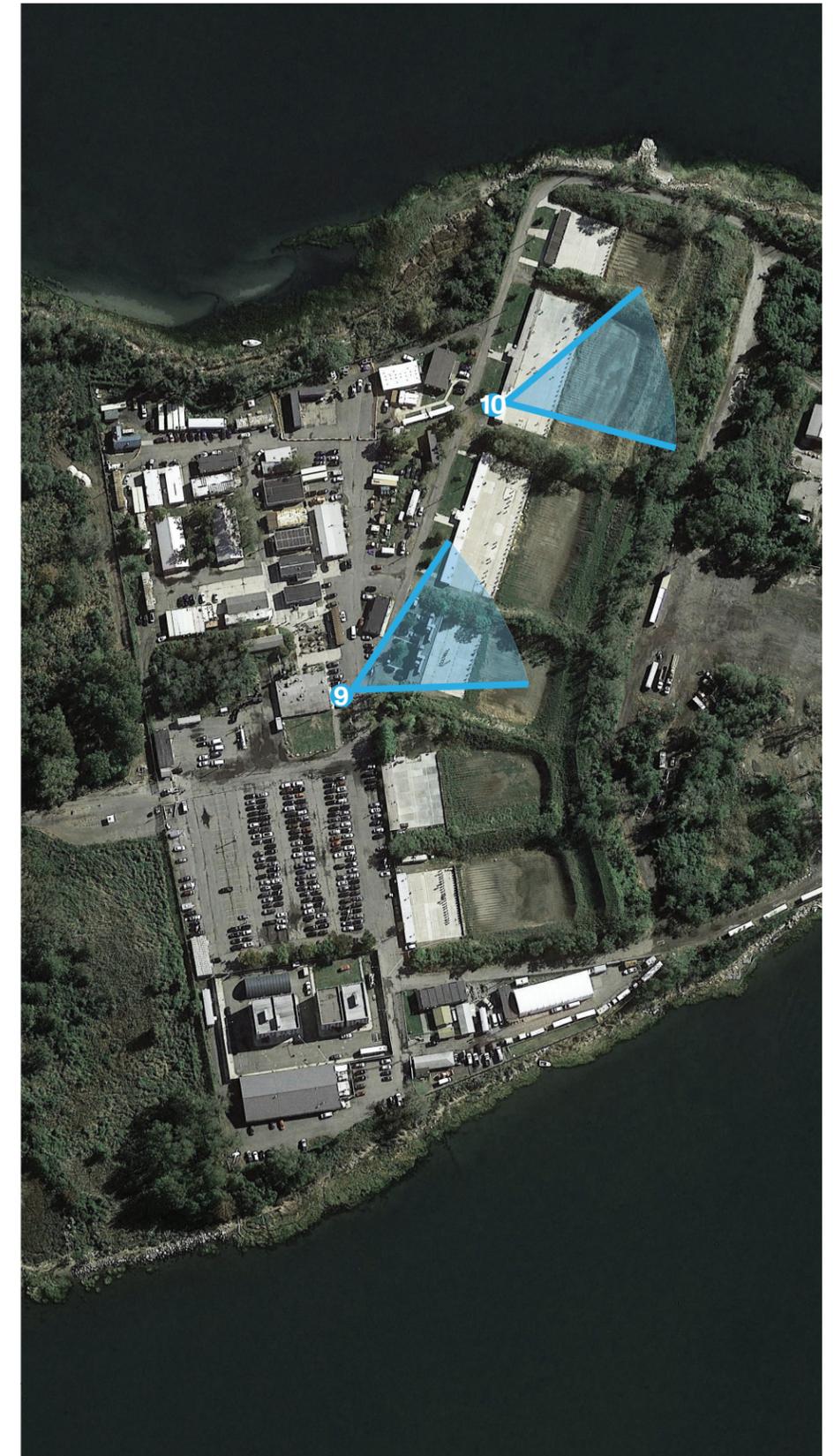


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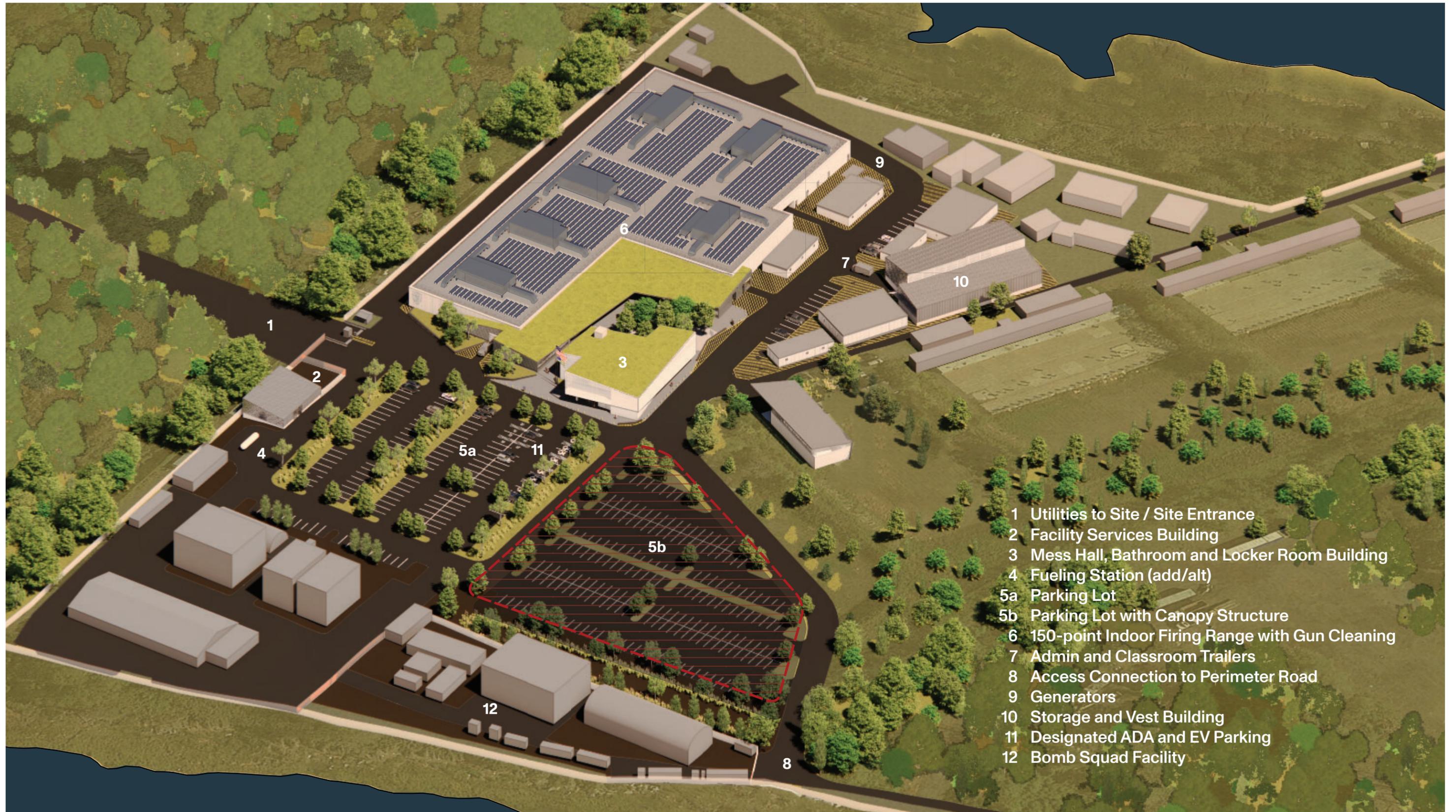




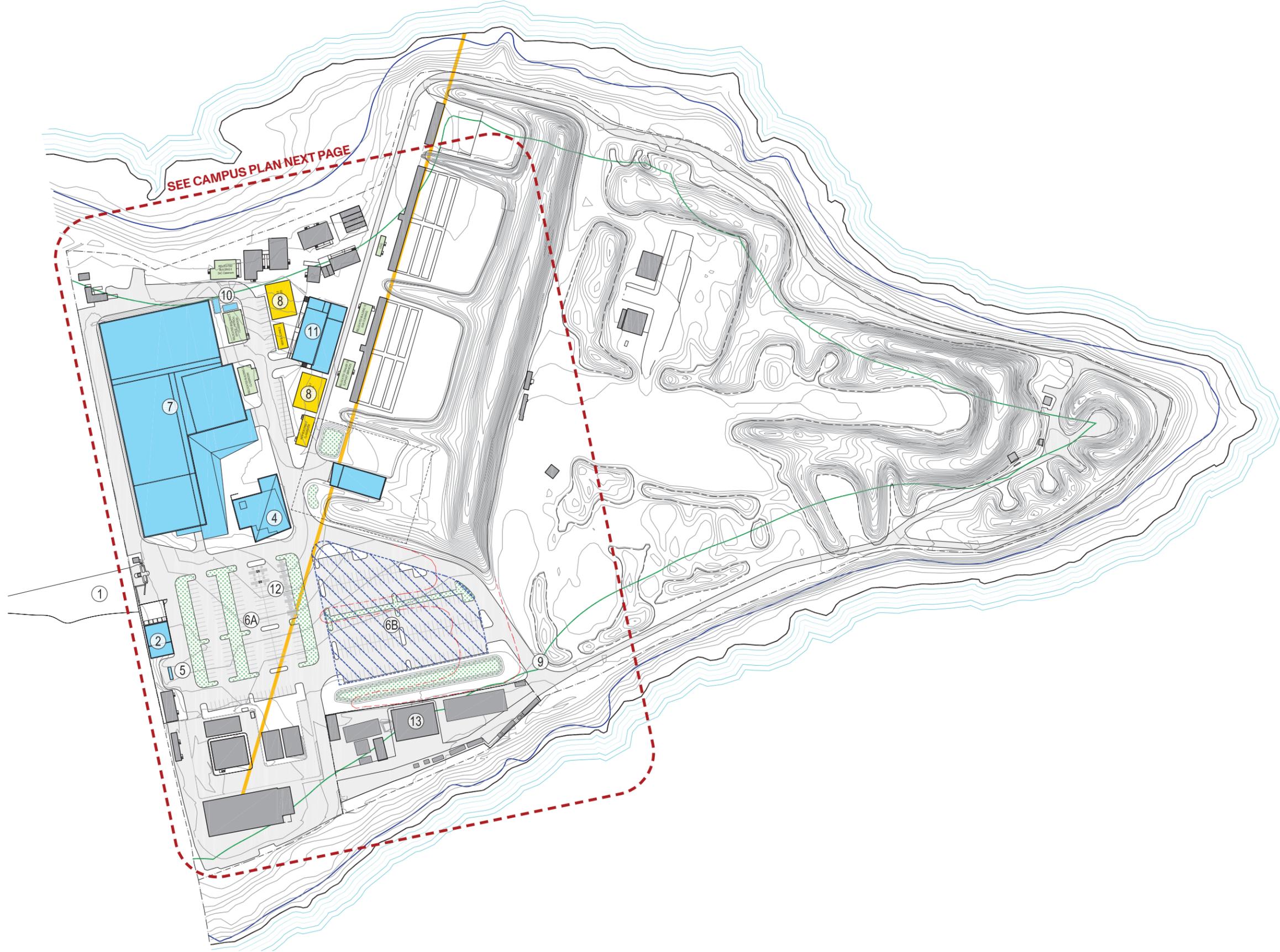
9



10



- 1 Utilities to Site / Site Entrance
- 2 Facility Services Building
- 3 Mess Hall, Bathroom and Locker Room Building
- 4 Fueling Station (add/alt)
- 5a Parking Lot
- 5b Parking Lot with Canopy Structure
- 6 150-point Indoor Firing Range with Gun Cleaning
- 7 Admin and Classroom Trailers
- 8 Access Connection to Perimeter Road
- 9 Generators
- 10 Storage and Vest Building
- 11 Designated ADA and EV Parking
- 12 Bomb Squad Facility

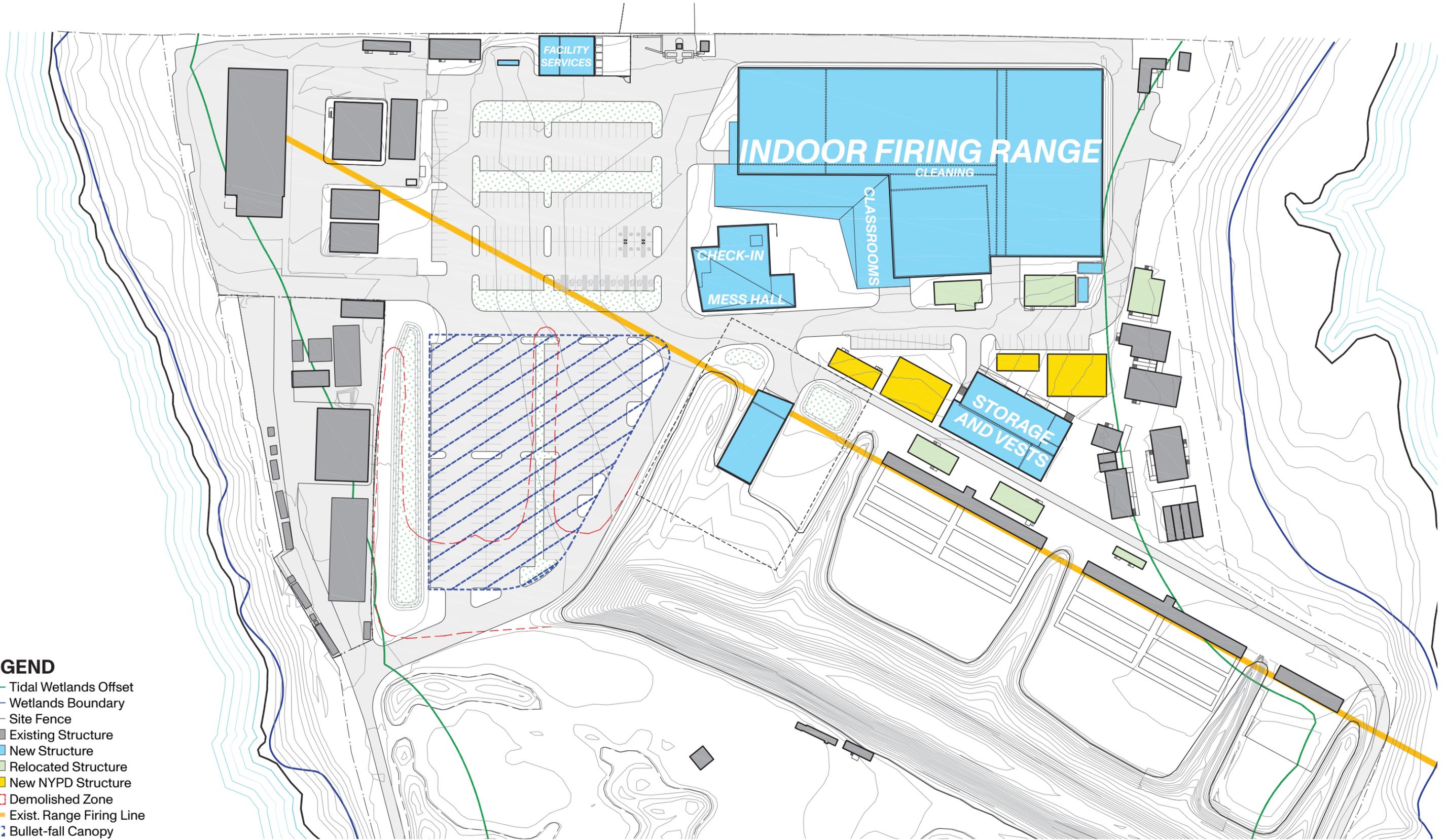


LEGEND

- Tidal Wetlands Offset
- Wetlands Boundary
- - - Site Fence
- Existing Structure
- New Structure
- Relocated Structure
- New NYPD Structure
- Demolished Zone
- Exist. Range Firing Line
- Bullet-fall Canopy

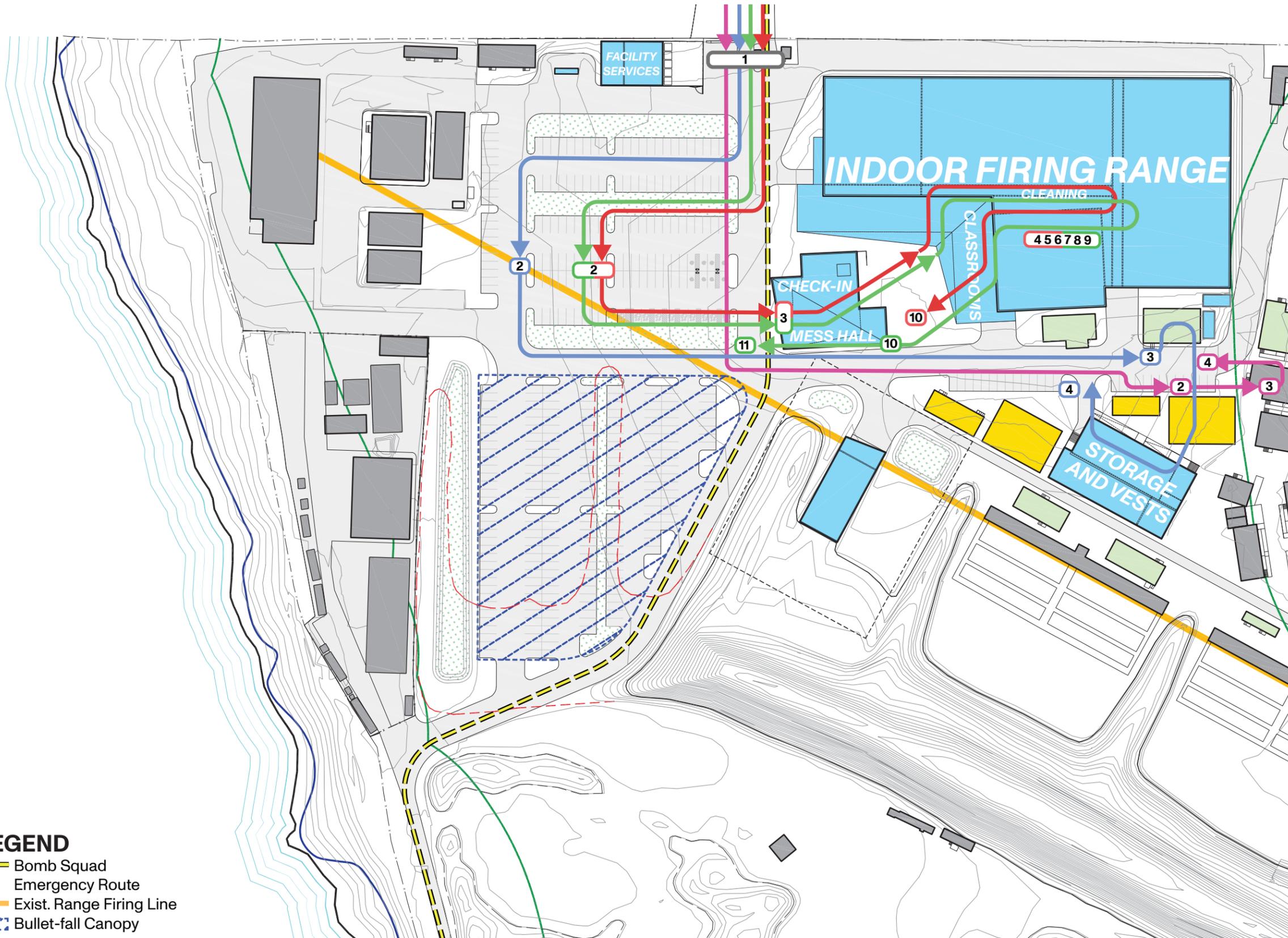
1. Utilities to Site
2. Facility Services Building
4. Mess Hall, Bathroom and Locker Room
5. Fueling Station (add/alt)
- 6A. Parking Lot
- 6B. Parking Lot with Canopy Structure
7. 150-Point Indoor Range w/ Gun Cleaning, Classrooms, W/C's, and Corridor
8. Admin and Classroom Trailers
9. Access Connection to Perimeter Road
10. Generators
11. (Vest) Storage Building
12. Designated ADA and EV Parking
13. Bomb Squad Facility





- LEGEND**
- Tidal Wetlands Offset
 - Wetlands Boundary
 - Site Fence
 - Existing Structure
 - New Structure
 - Relocated Structure
 - New NYPD Structure
 - Demolished Zone
 - Exist. Range Firing Line
 - Bullet-fall Canopy





Training Flows

1. Security Check-in
2. Park vehicle
3. Sign-in at Mess Hall
4. Unload firearm at Range
5. Complete gun-check
6. Receive Ammunition
8. Pistol re-qualification on Firing Range
9. Weapon cleaning
10. Done with Training, leave facility

Instructor Flows

1. Security Check-in
2. Park vehicle
3. Sign-in at Mess Hall, receive schedule and curriculum assignment
4. Unload firearm at Range
5. Check officers and firearms
6. Give classroom lecture
8. Instruct Pistol re-qualification on Firing Range
9. Oversee Weapon cleaning
10. Change in Locker Rooms
11. Done with Training, leave facility

Admin Flows

1. Security Check-in
2. Park vehicle
3. Office and Coordination work at Modular Building Campus and Facilities Buildings
4. Done with Admin work, leave facility

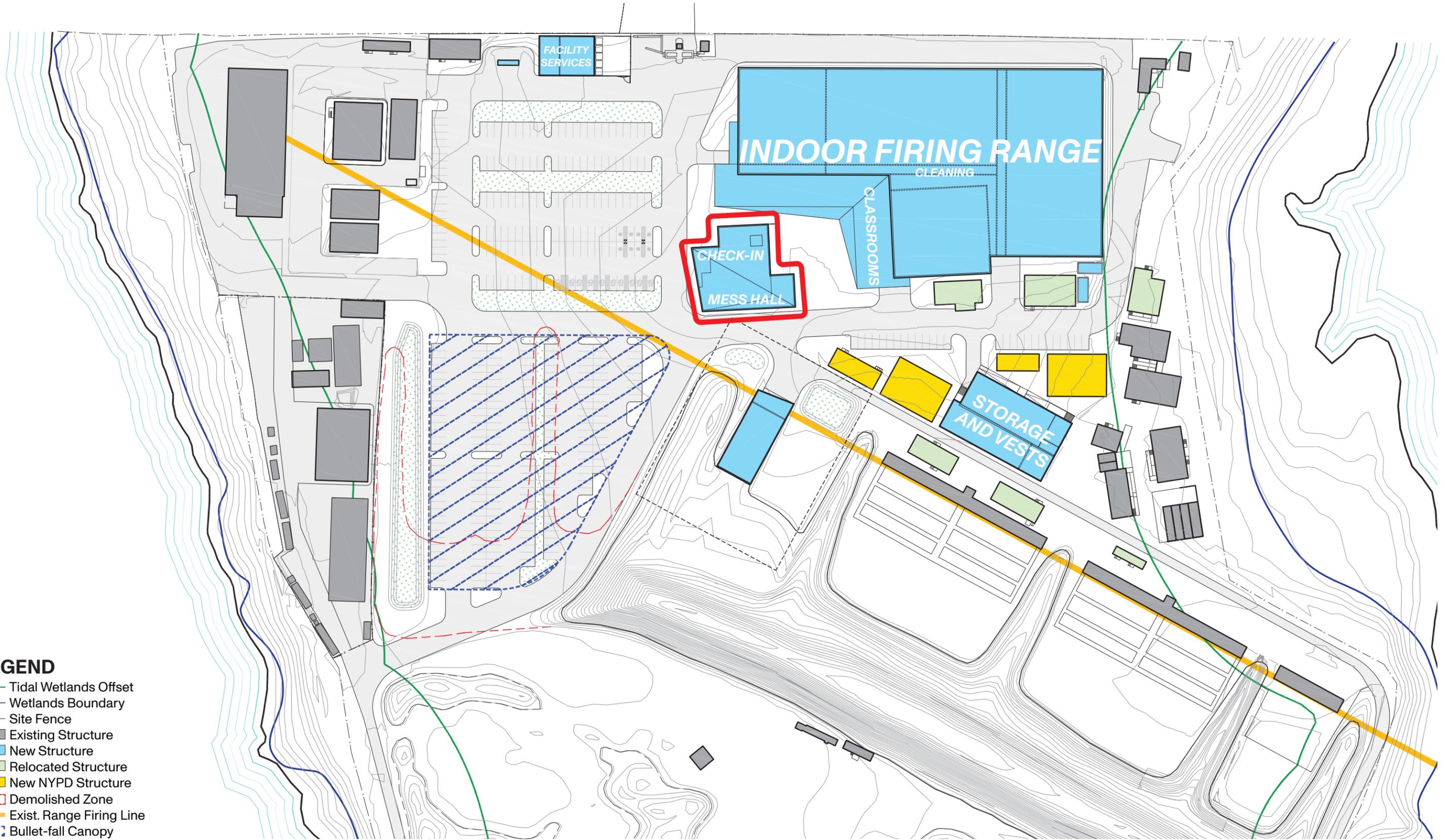
DoC Flows

1. Security Check-in
2. Park vehicle
3. DoC Training activities
4. Done with Training, leave facility

LEGEND

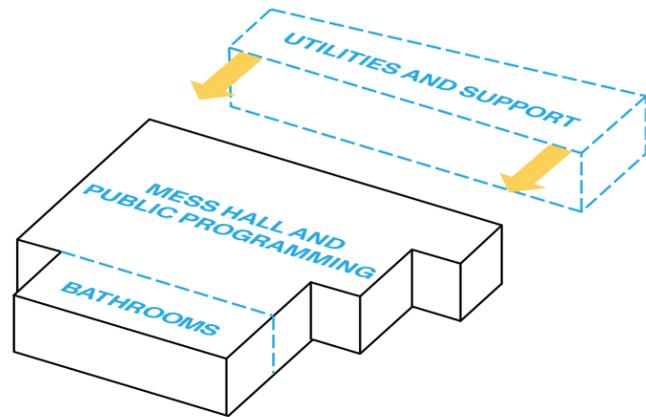
- Bomb Squad Emergency Route
- Exist. Range Firing Line
- Bullet-fall Canopy



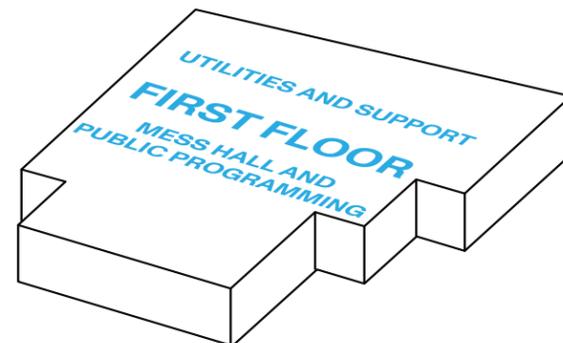


- LEGEND**
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 - Existing Structure
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 - Exist. Range Firing Line
 - Bullet-fall Canopy

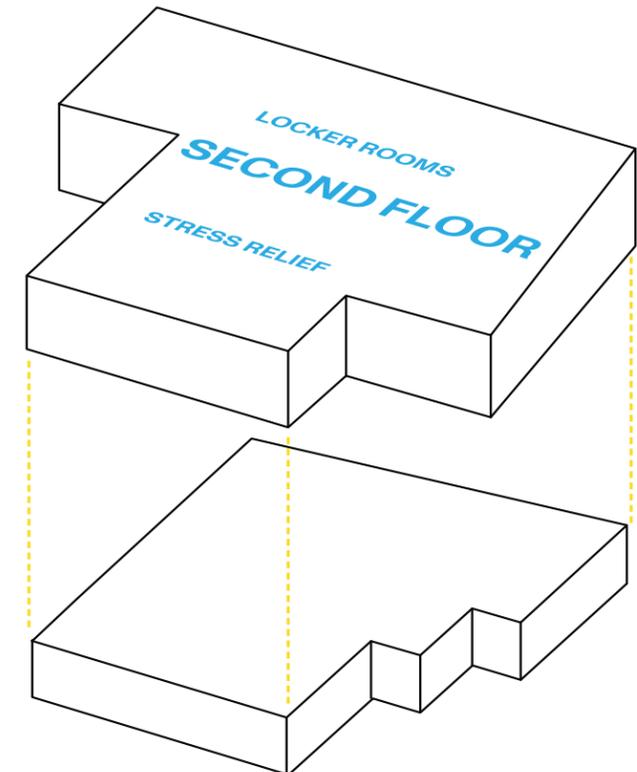




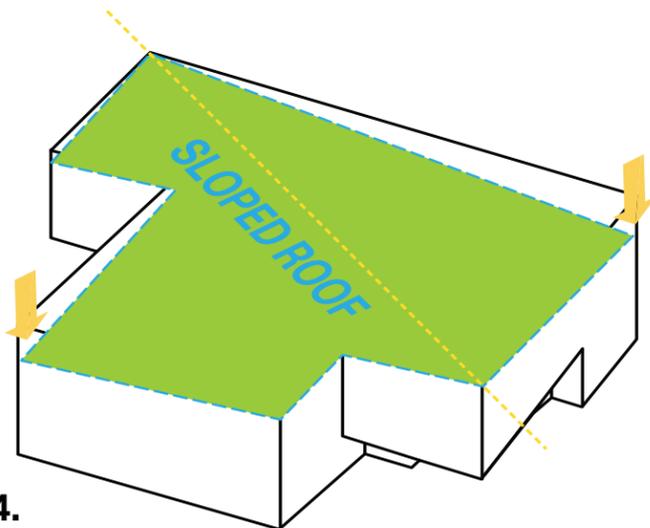
1.
Public program volumes



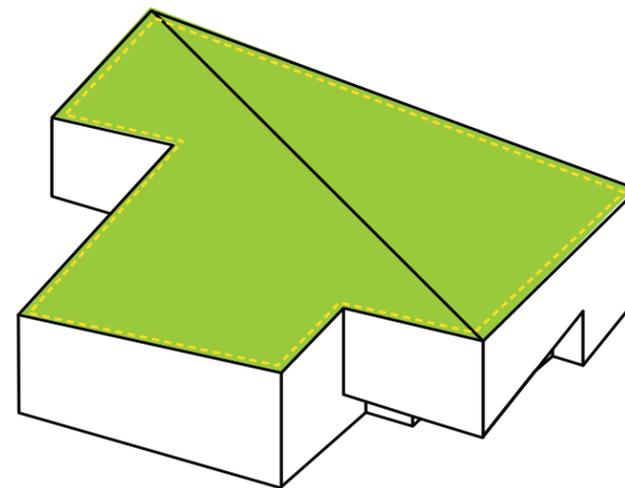
2.
Public programming + Incoming
utilities and support program



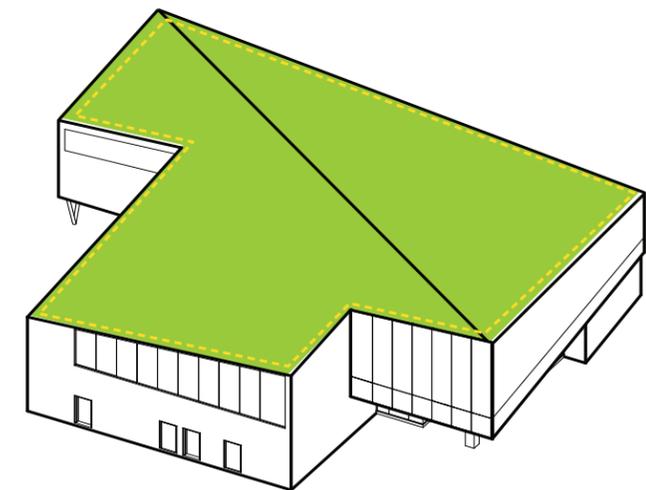
3.
Private, instructor only, program
stacked on top



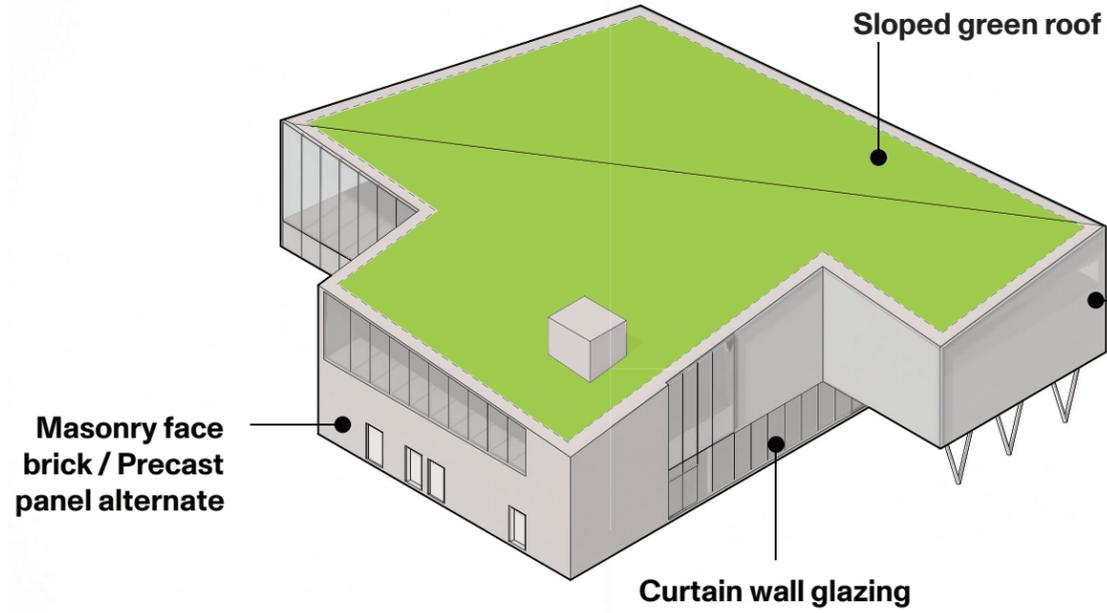
4.
Sloped roof for sustainable roofing
and rainwater



5.
Green roof system on sloped roof

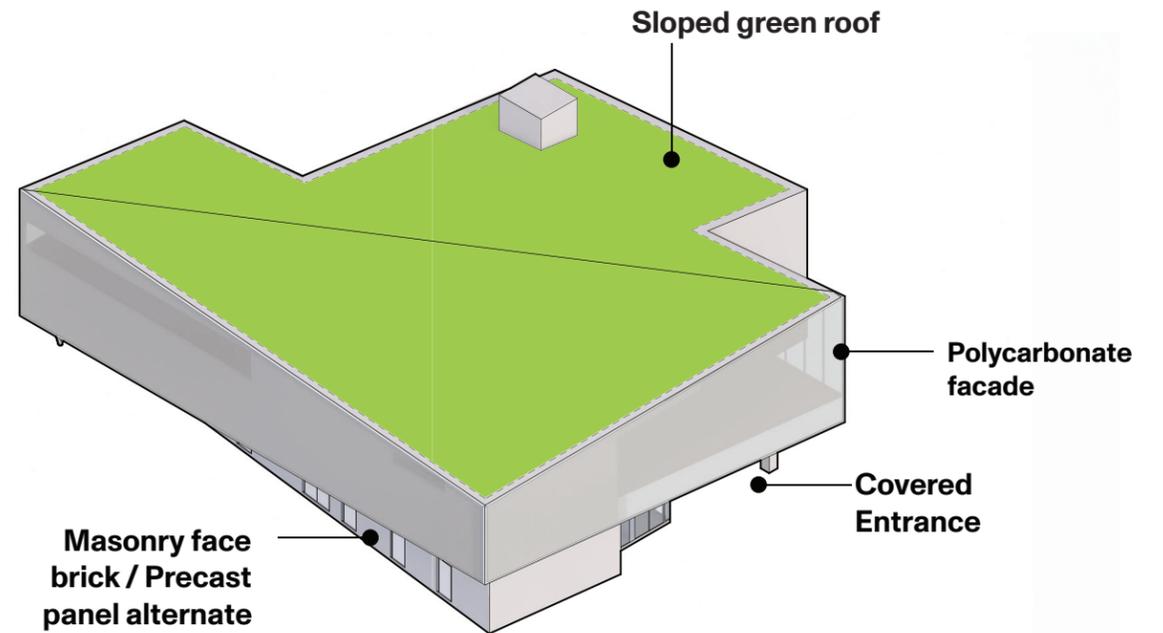
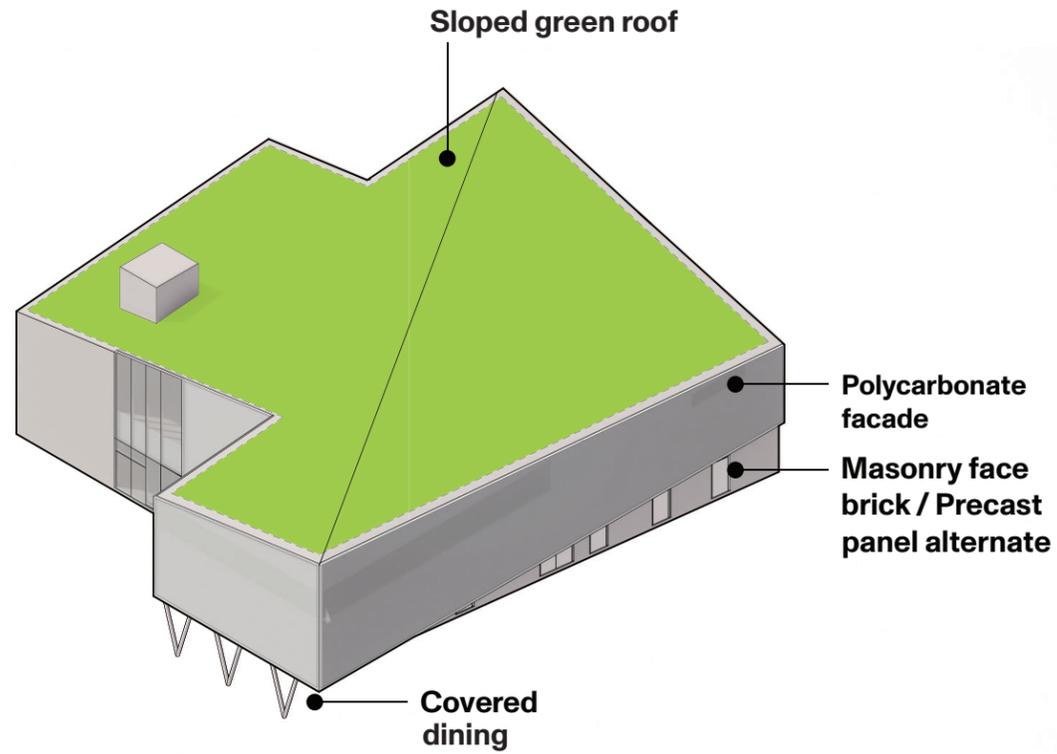
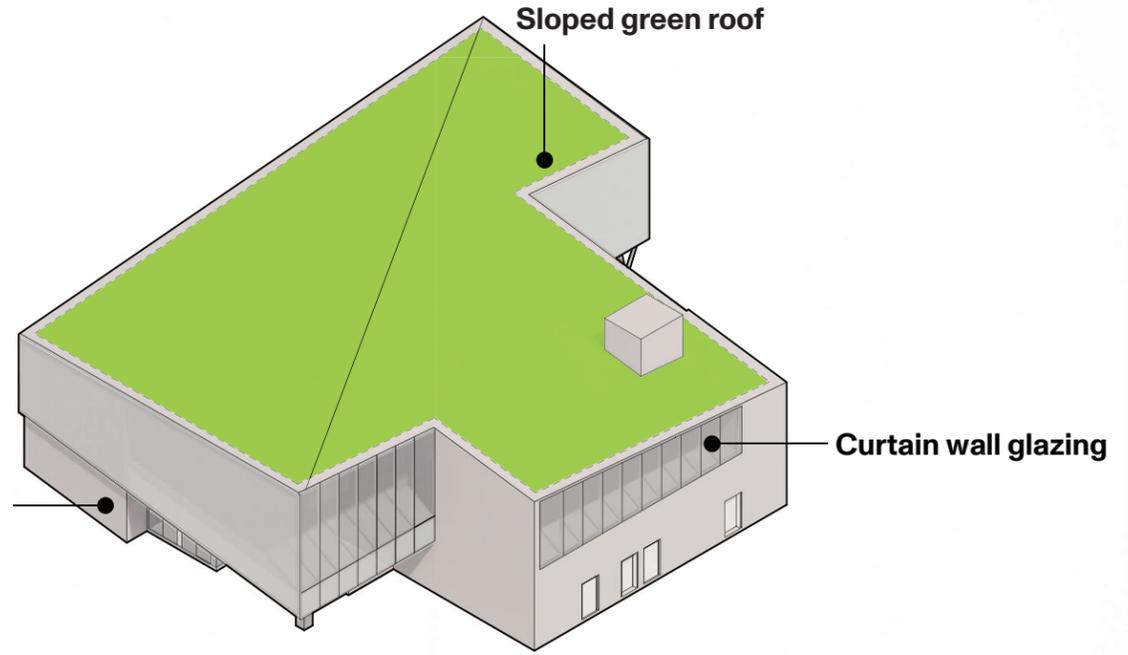


6.
Mess Hall, Bathroom and Locker Room Building with
curtain wall and polycarbonate facade fenestration,
and covered outdoor spaces

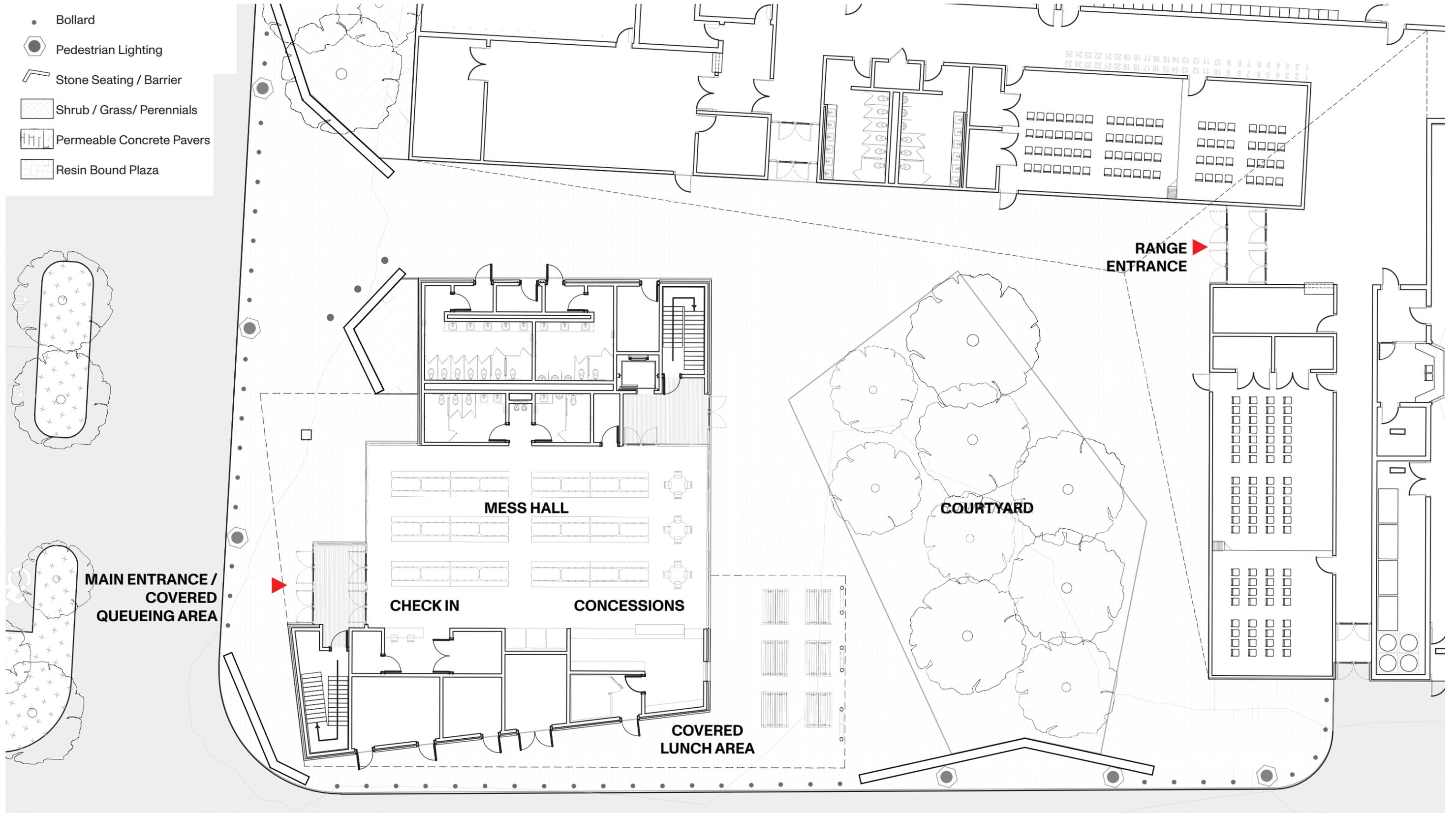


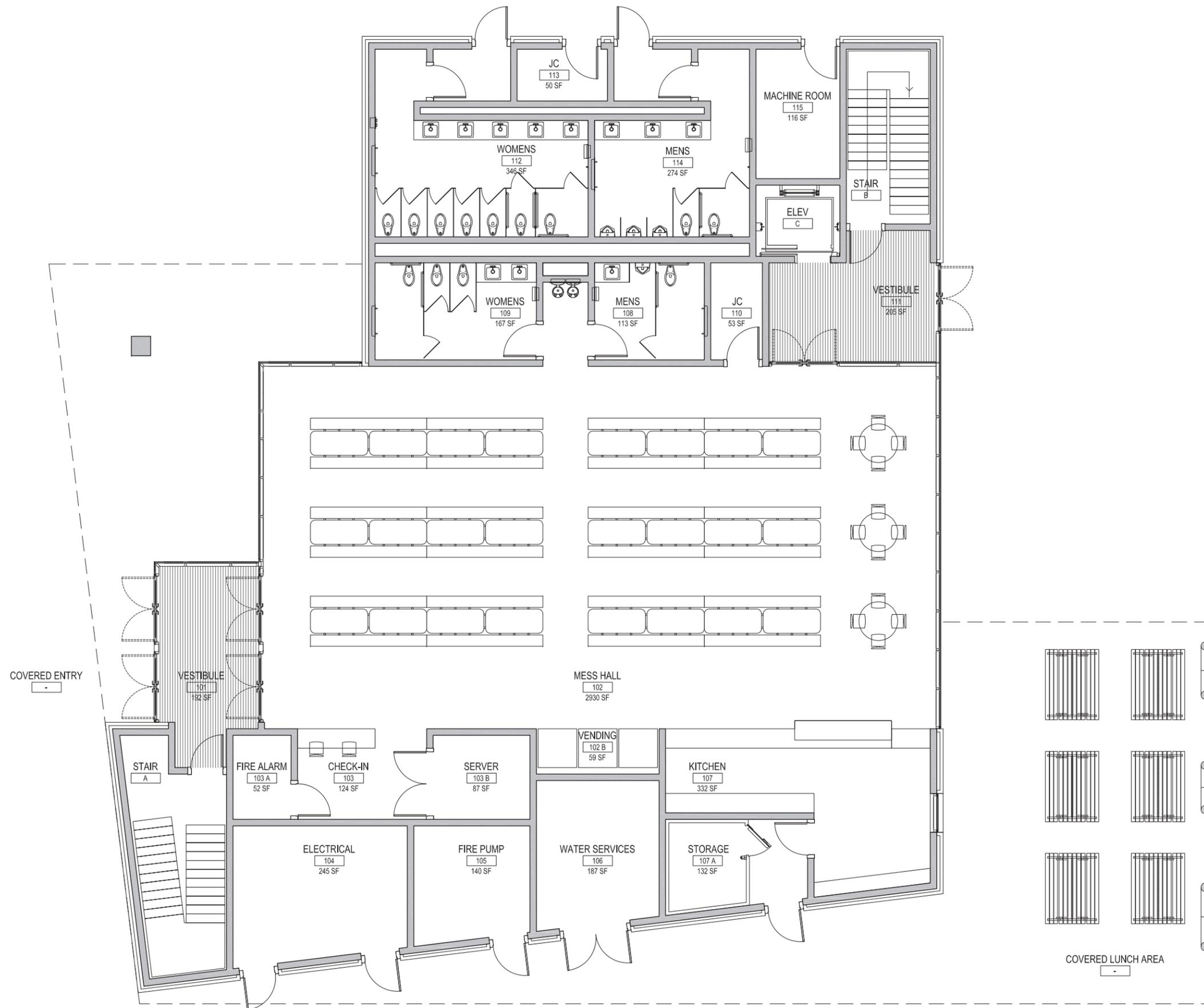
Polycarbonate facade

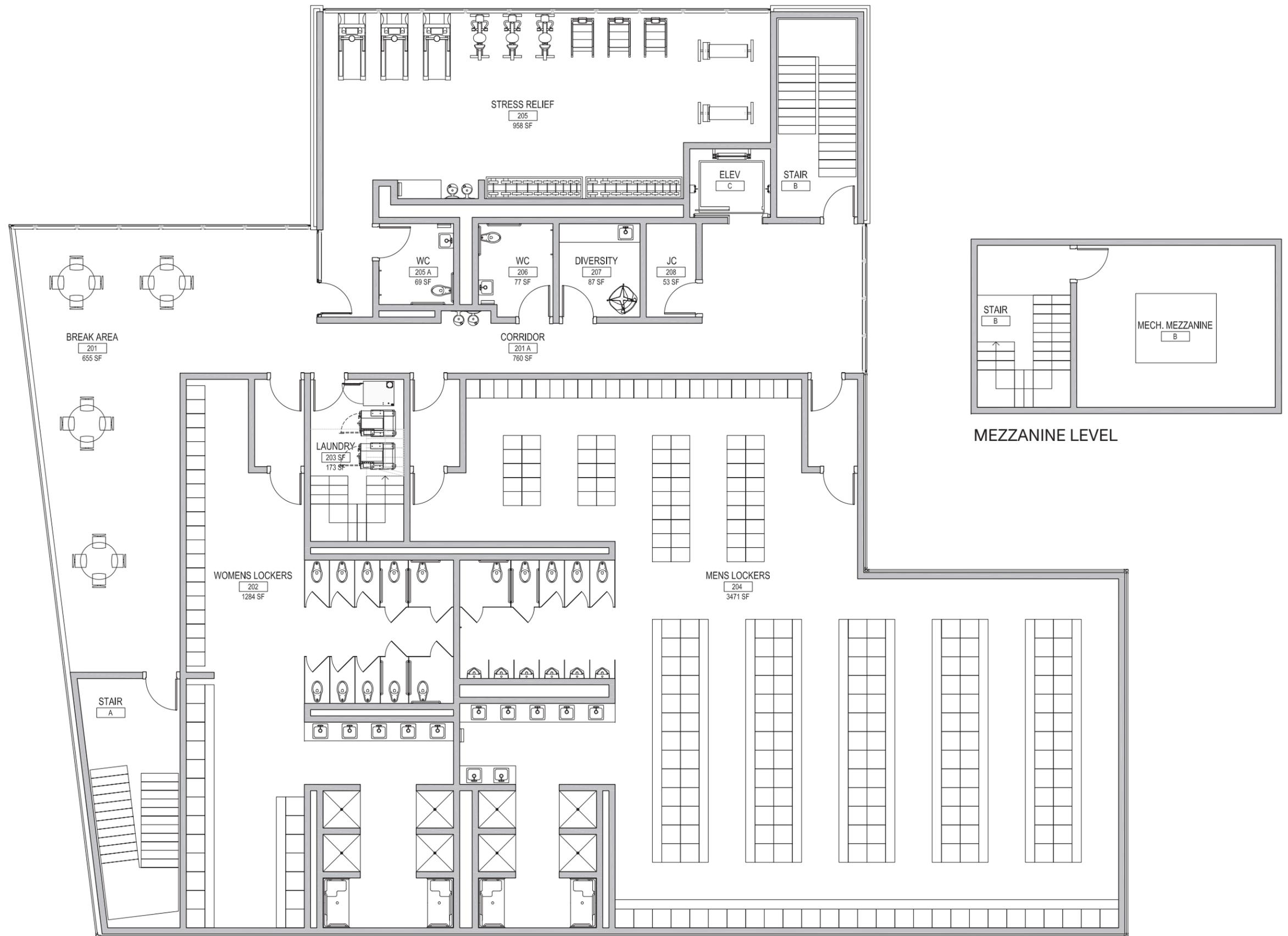
Masonry face brick / Precast panel alternate



- Bollard
- ⬢ Pedestrian Lighting
- └ Stone Seating / Barrier
- ▨ Shrub / Grass / Perennials
- ▧ Permeable Concrete Pavers
- ▩ Resin Bound Plaza







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MESS HALL, BATHROOM AND LOCKER ROOM

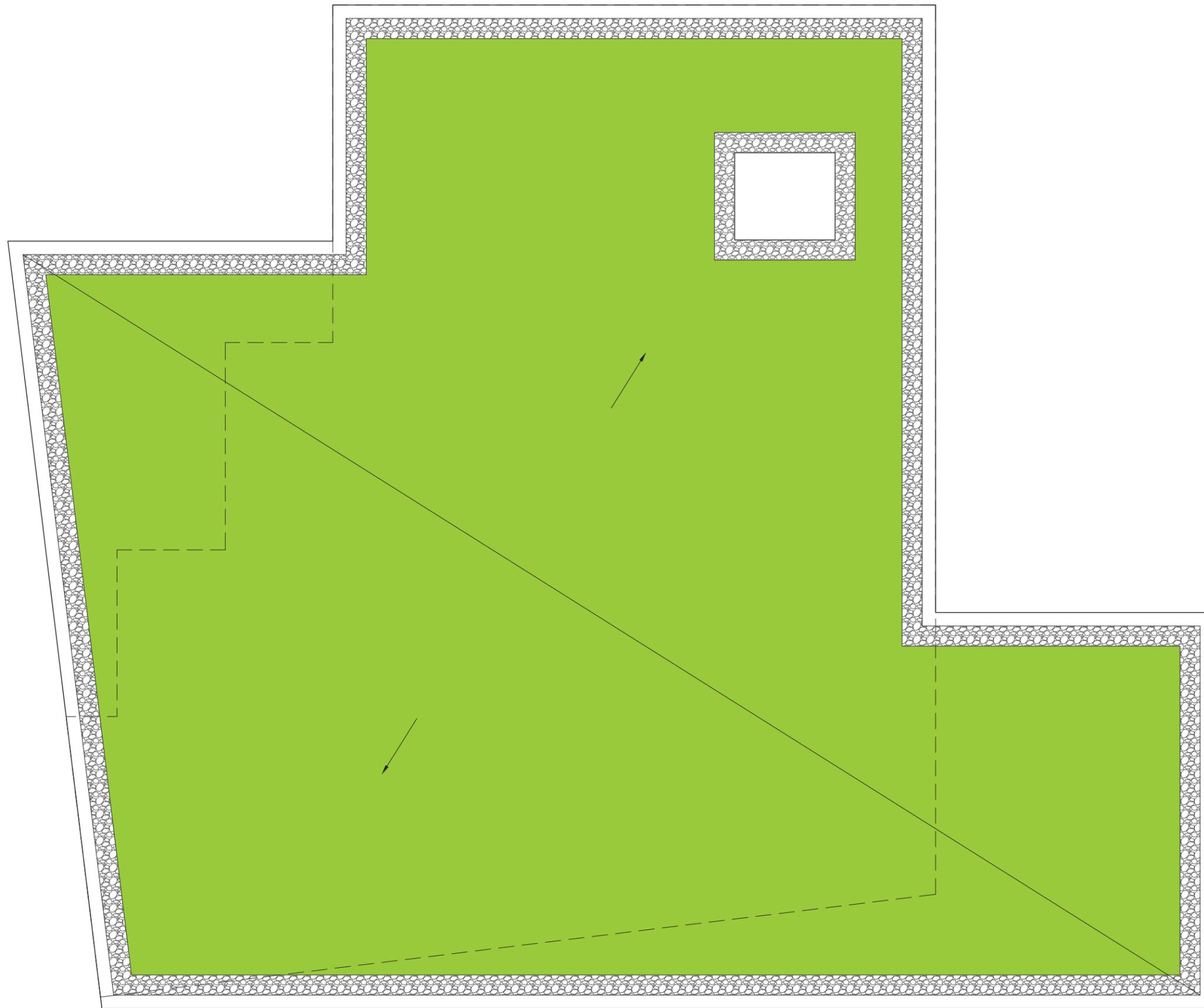
SECOND FLOOR AND MEZZANINE PLANS



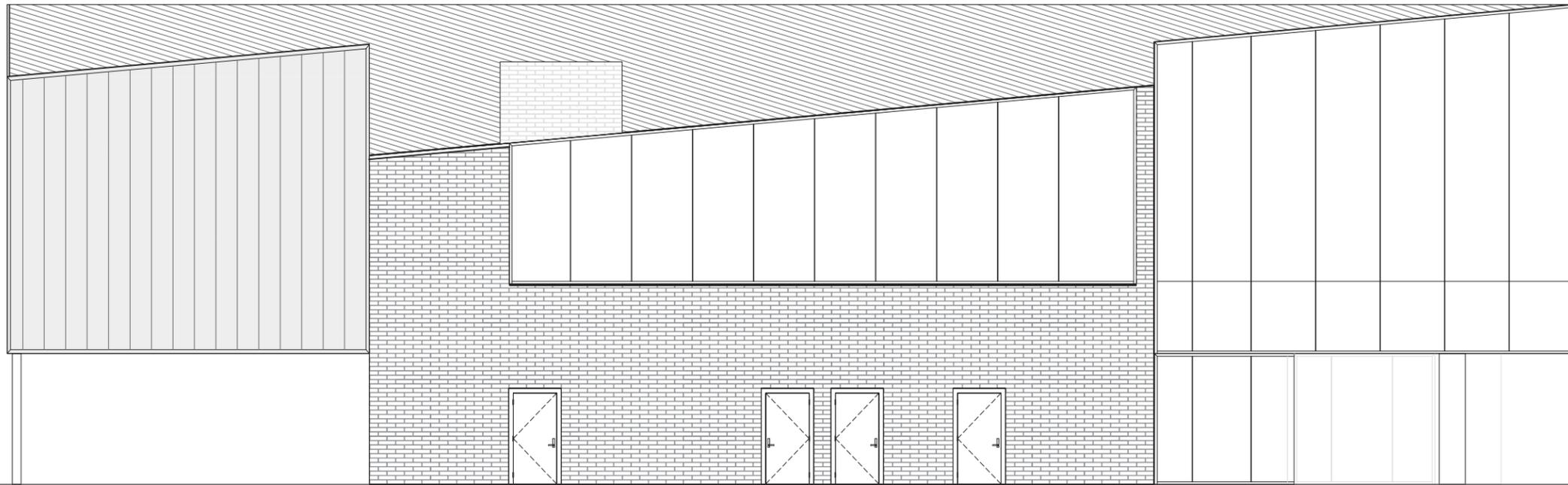
Smith-Miller
+Hawkinson
Architects



3/32"=1'-0"



North Elevation

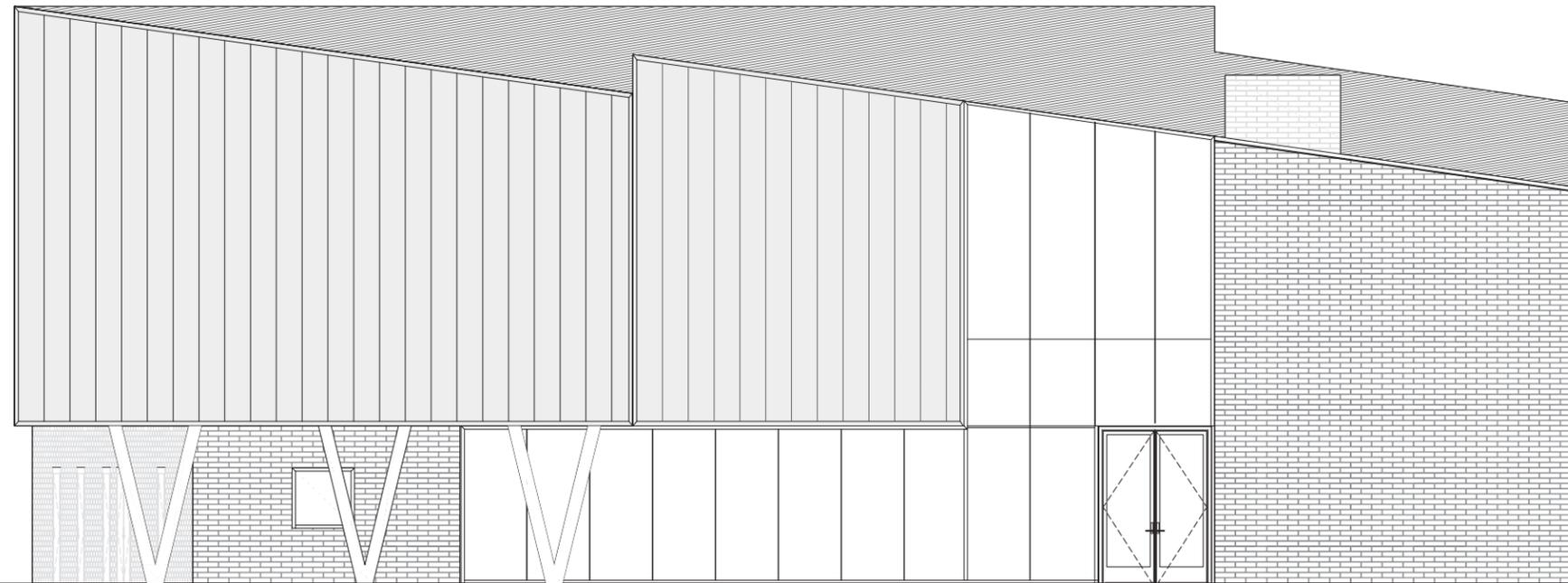


T.O. ROOF LEVEL
EL. 36'-8"

T.O. SLAB SECOND LEVEL
EL. 15'-4"

T.O. SLAB GROUND LEVEL
EL. 0'-0"

East Elevation

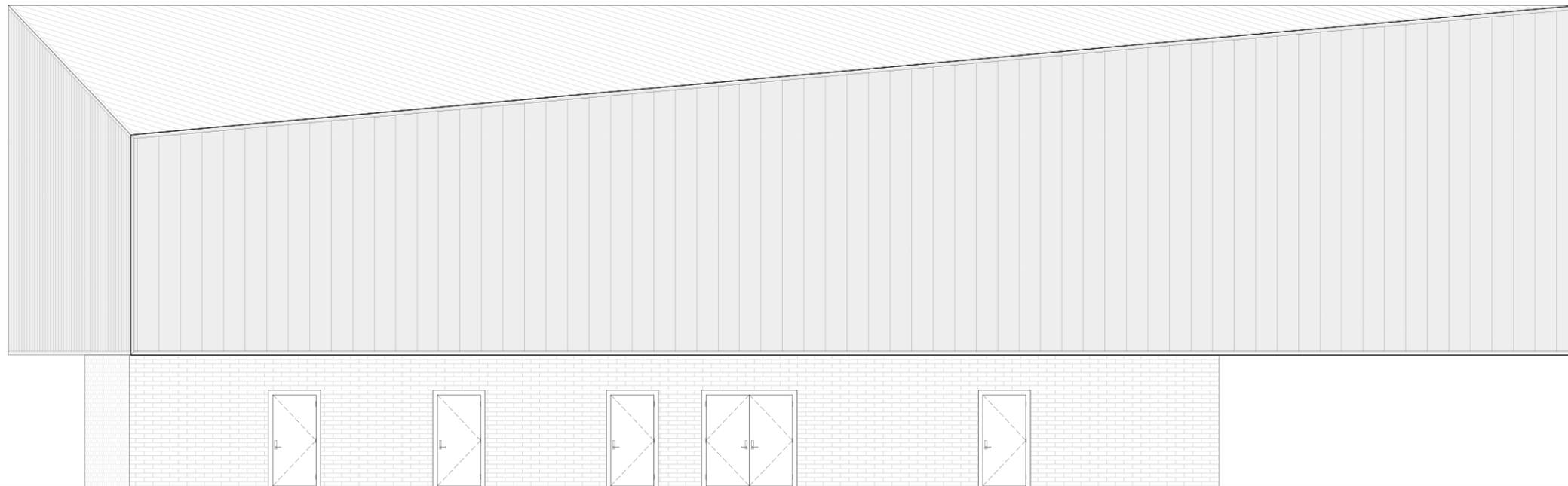


T.O. ROOF LEVEL
EL. 36'-8"

T.O. SLAB SECOND LEVEL
EL. 15'-4"

T.O. SLAB GROUND LEVEL
EL. 0'-0"

South Elevation

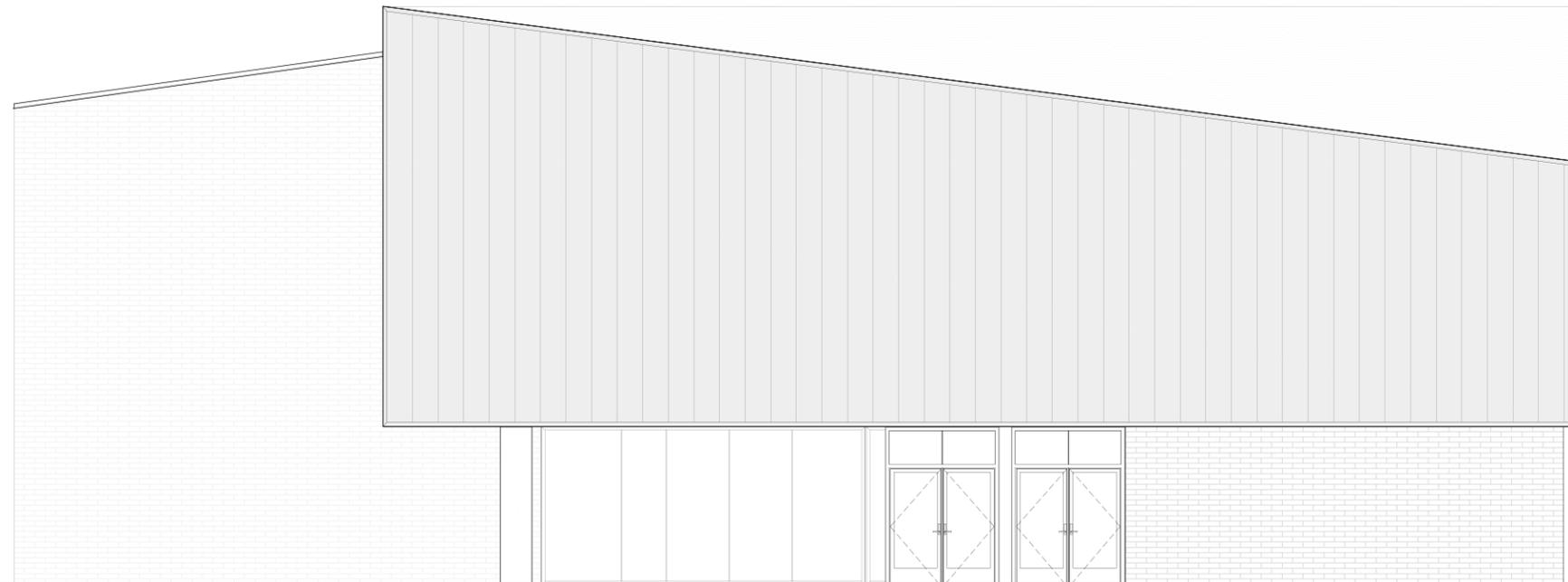


T.O. ROOF LEVEL
EL. 36'-8"

T.O. SLAB SECOND LEVEL
EL. 15'-4"

T.O. SLAB GROUND LEVEL
EL. 0'-0"

West Elevation

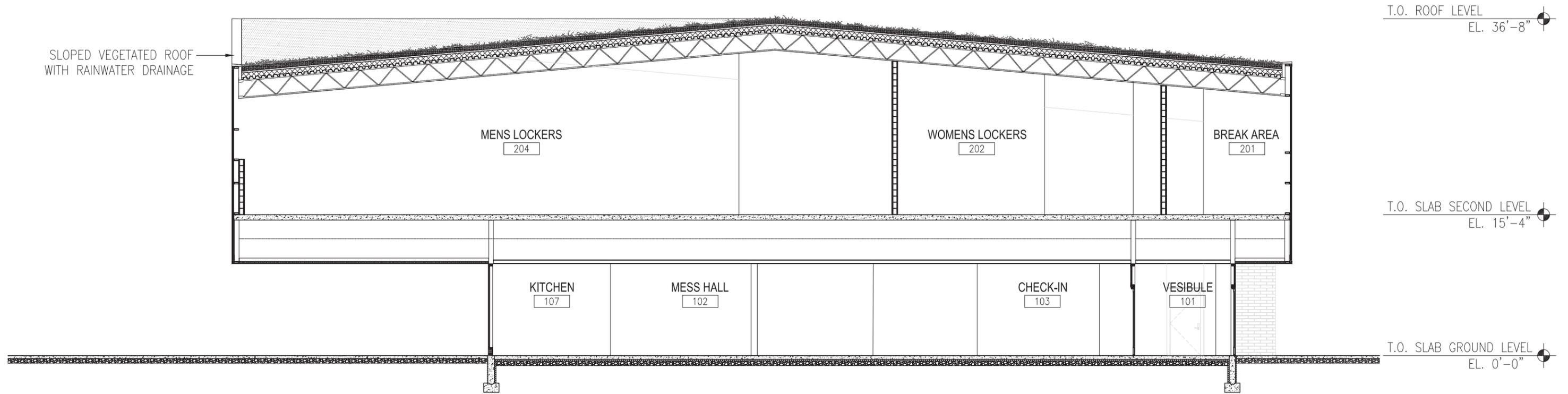


T.O. ROOF LEVEL
EL. 36'-8"

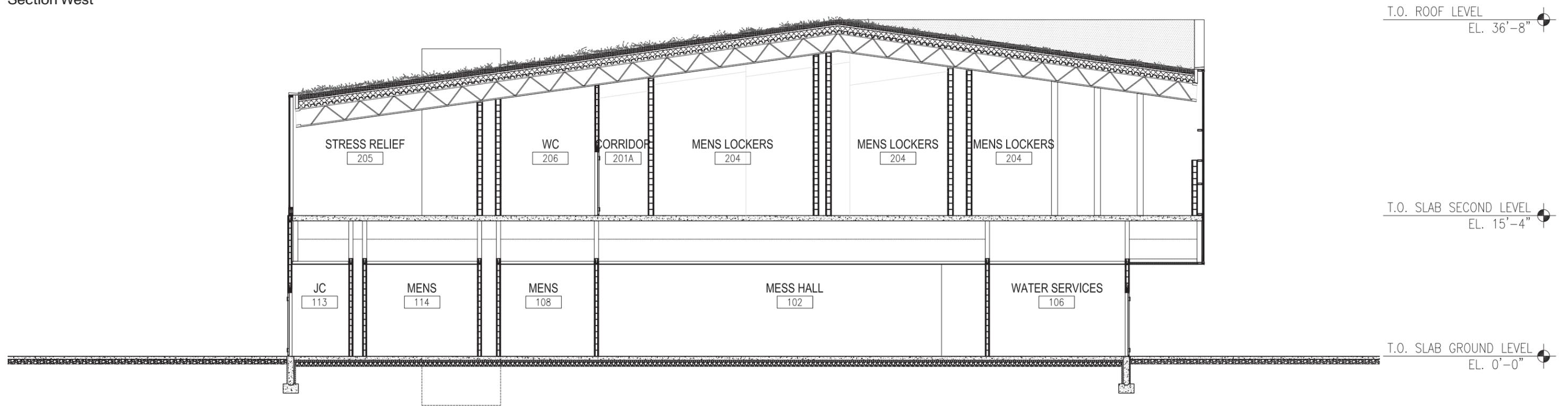
T.O. SLAB SECOND LEVEL
EL. 15'-4"

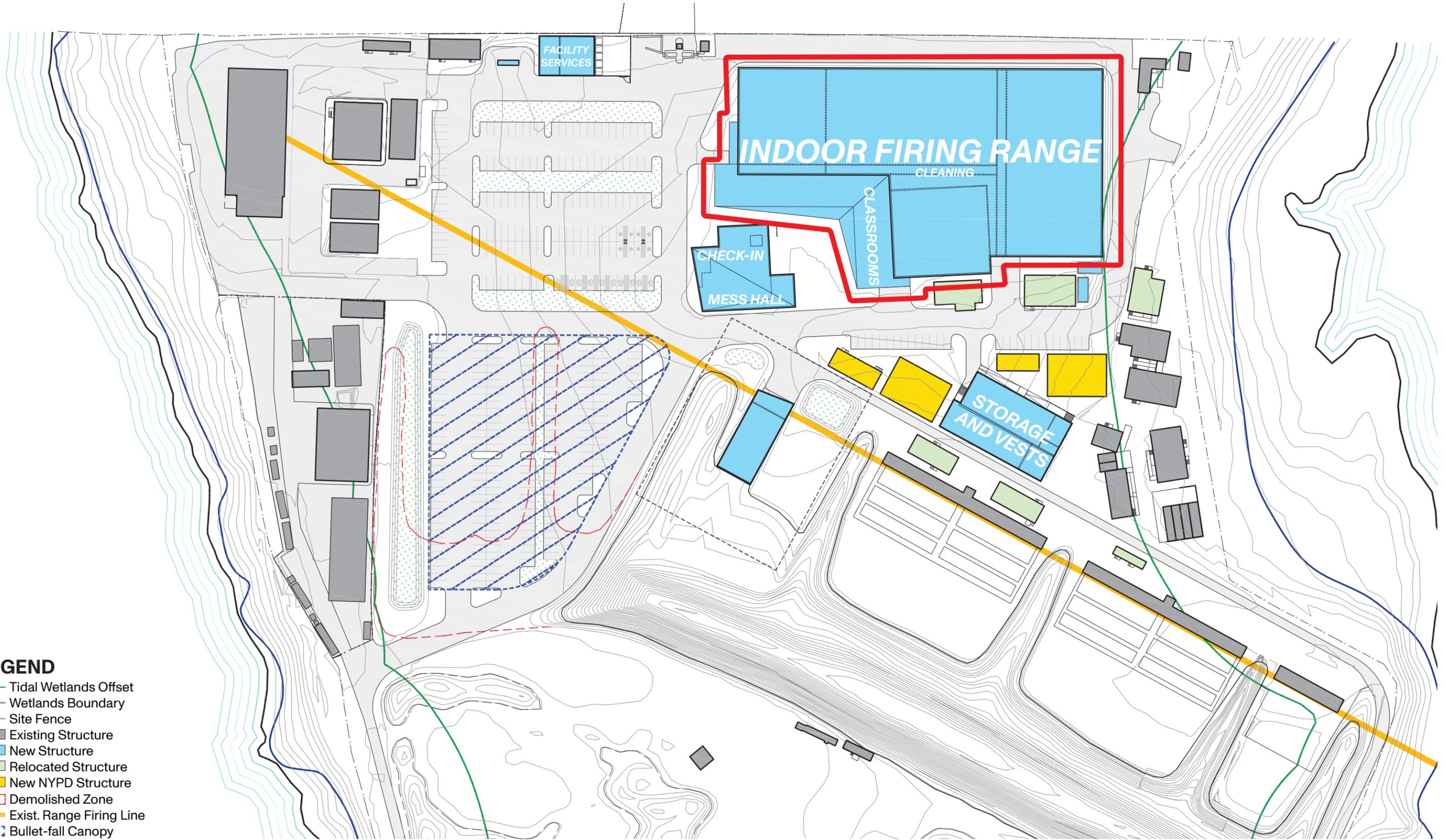
T.O. SLAB GROUND LEVEL
EL. 0'-0"

Section South



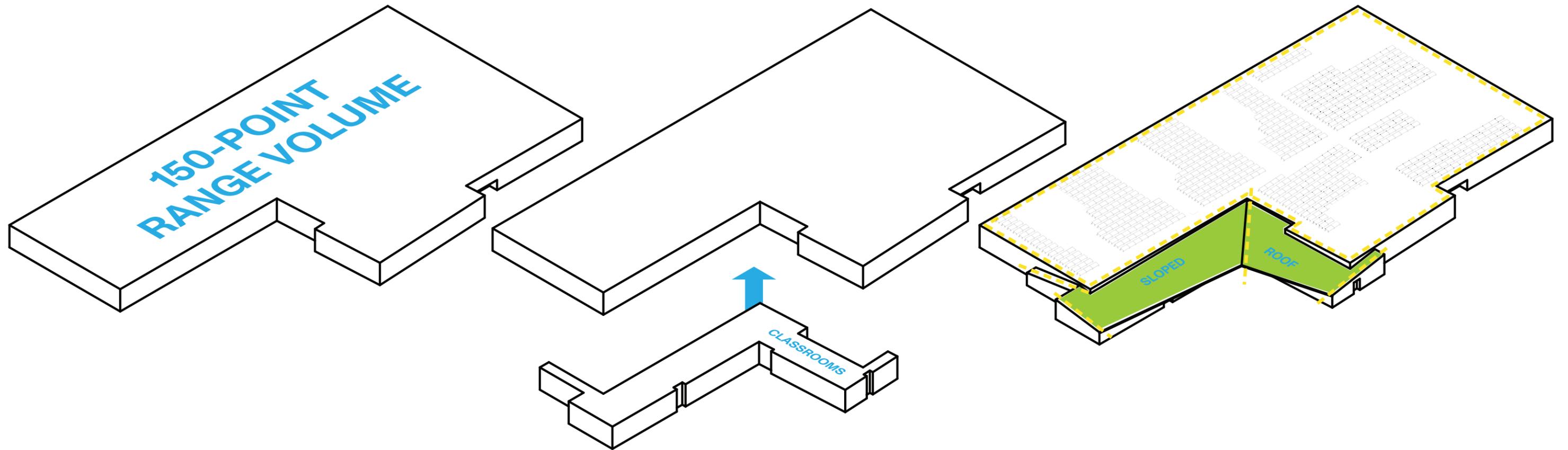
Section West





- LEGEND**
- Tidal Wetlands Offset
 - Wetlands Boundary
 - Site Fence
 - Existing Structure
 - New Structure
 - Relocated Structure
 - New NYPD Structure
 - Demolished Zone
 - Exist. Range Firing Line
 - Bullet-fall Canopy

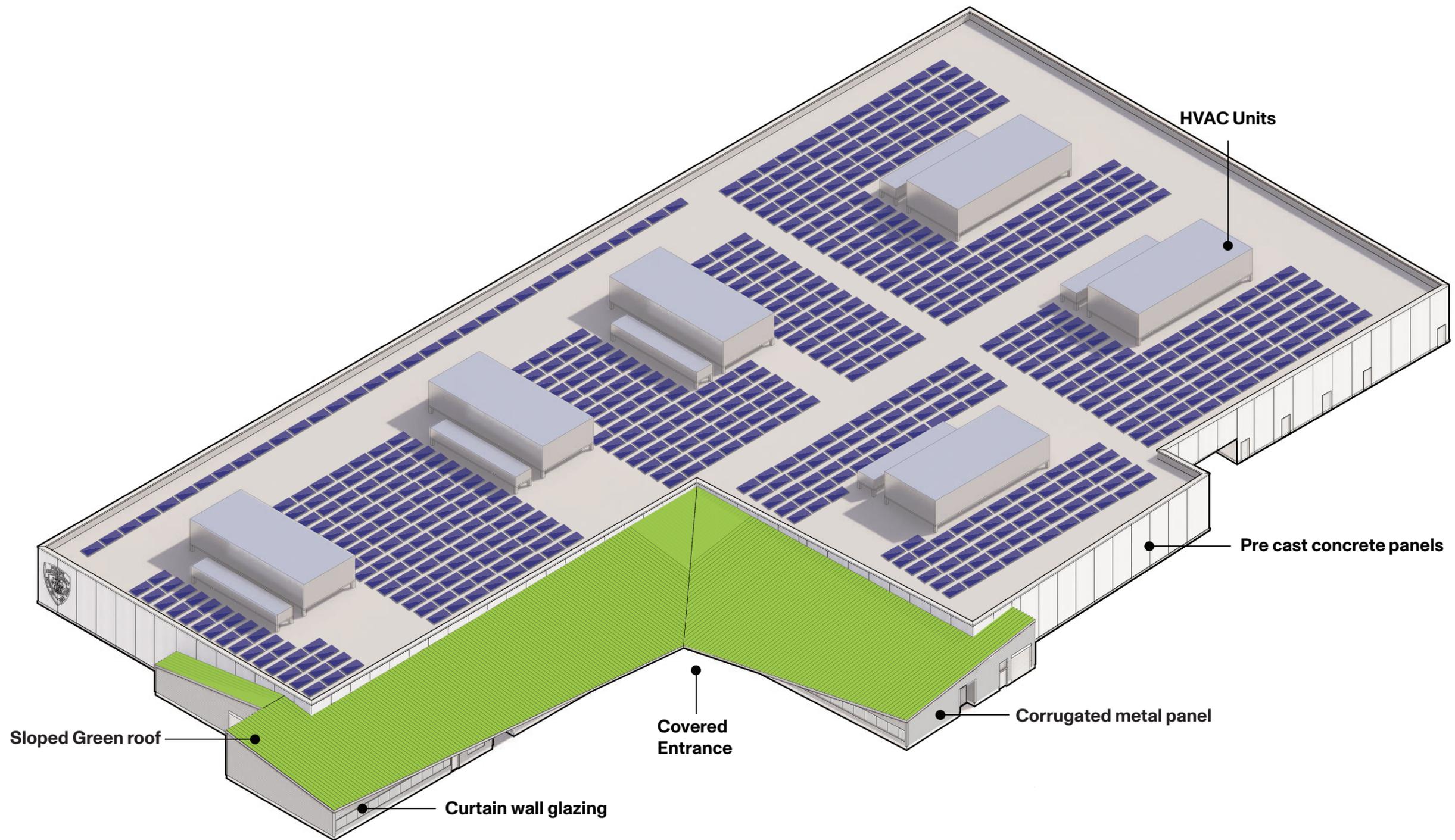


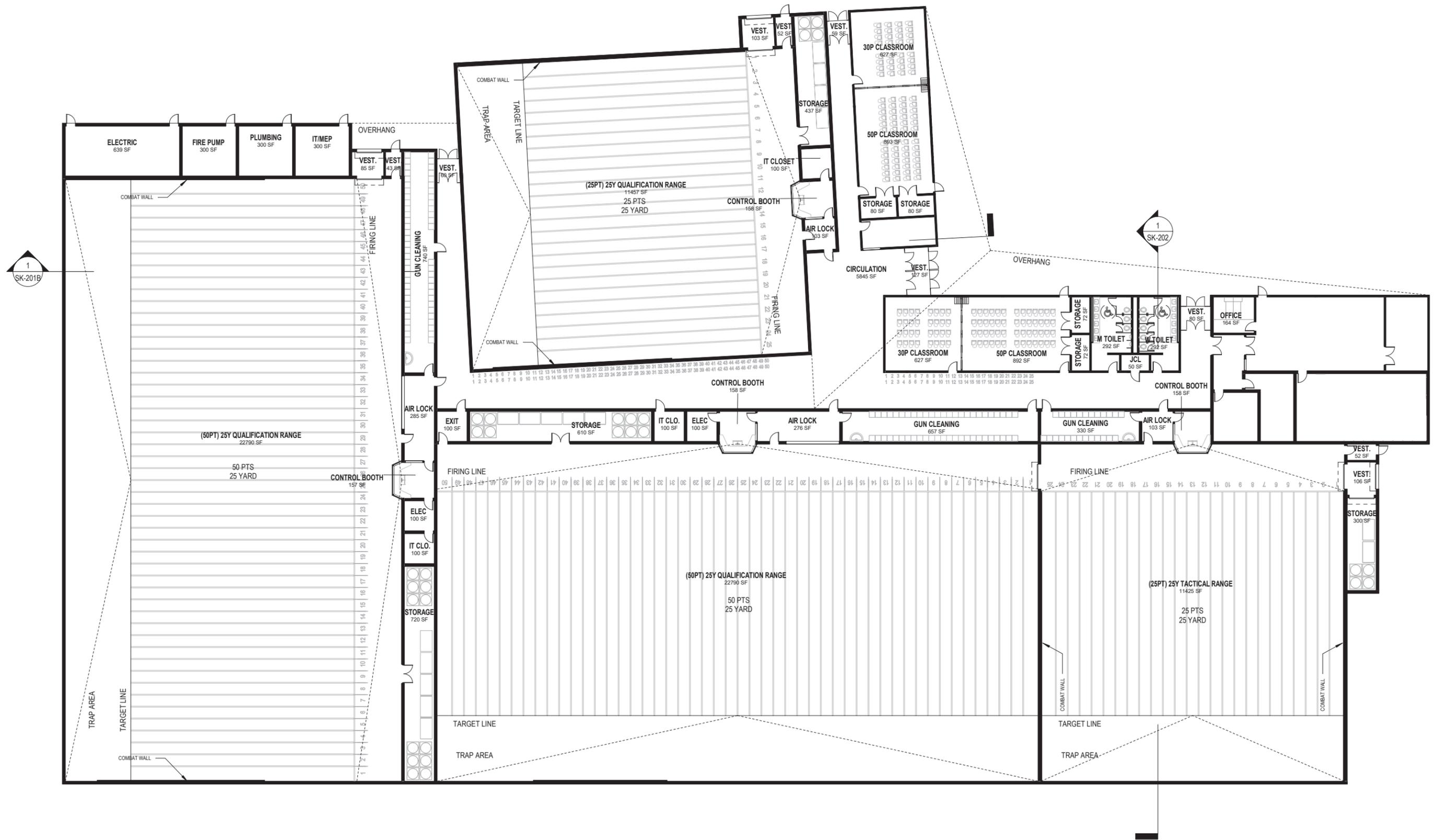


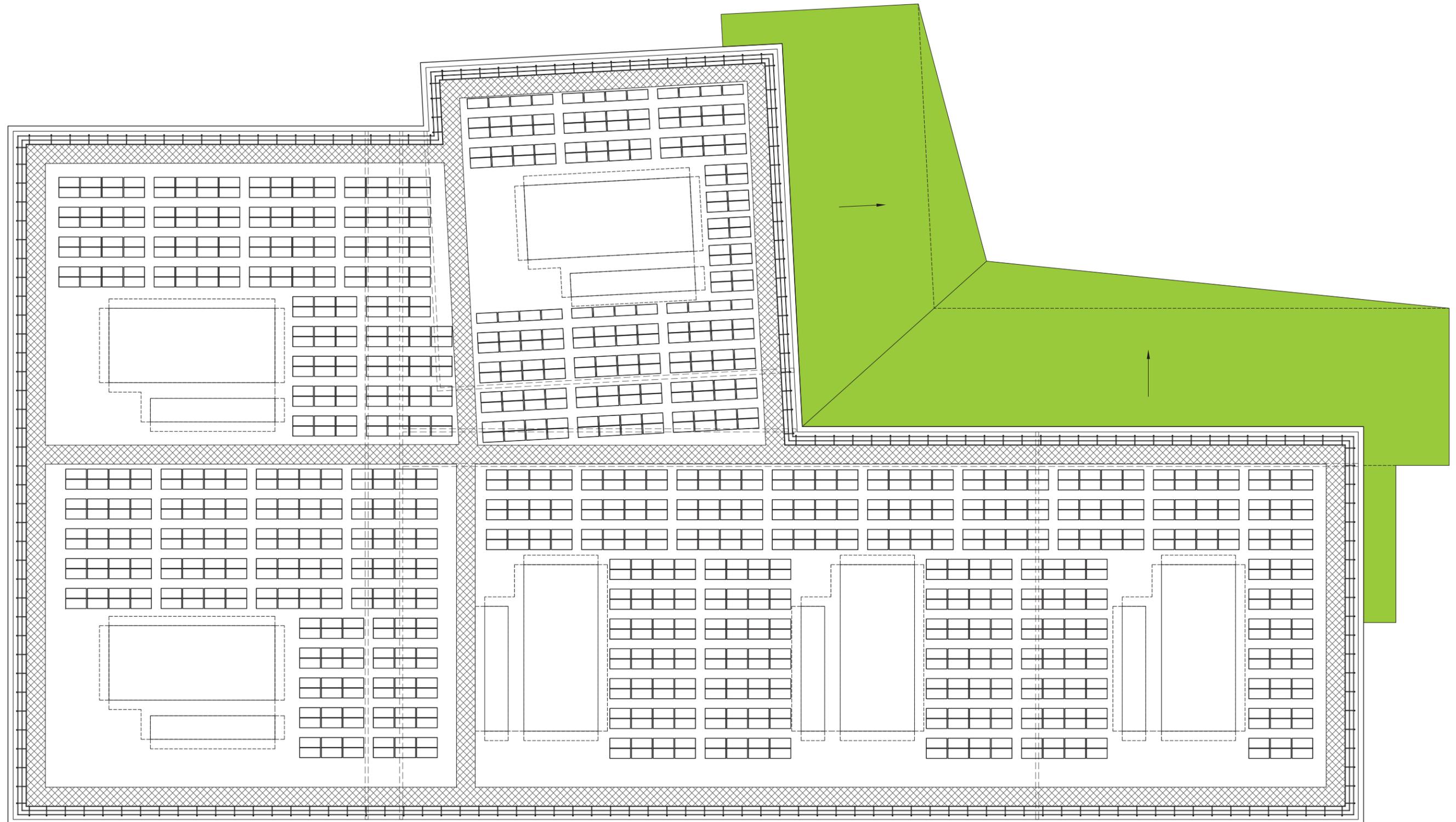
1.
Volume for 150 range points and gun cleaning facilities

2.
Metal building classroom and services "bar" is attached and has absorbed different program in each scheme

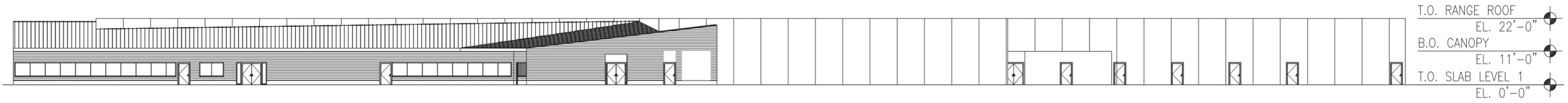
3.
Sloped roof for sustainable roofing and rainwater



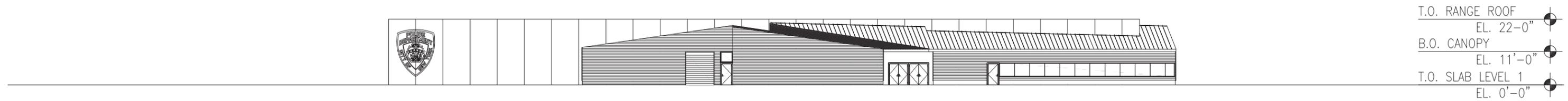




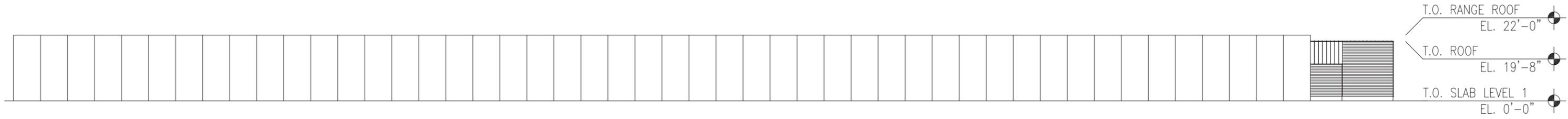
North Elevation



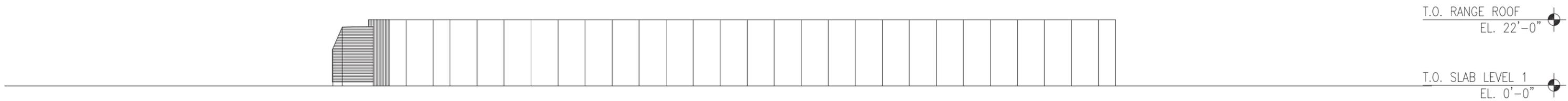
East Elevation

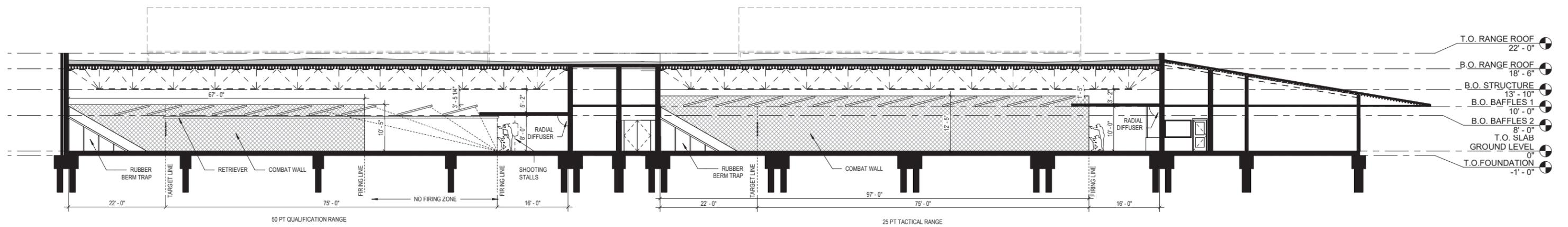


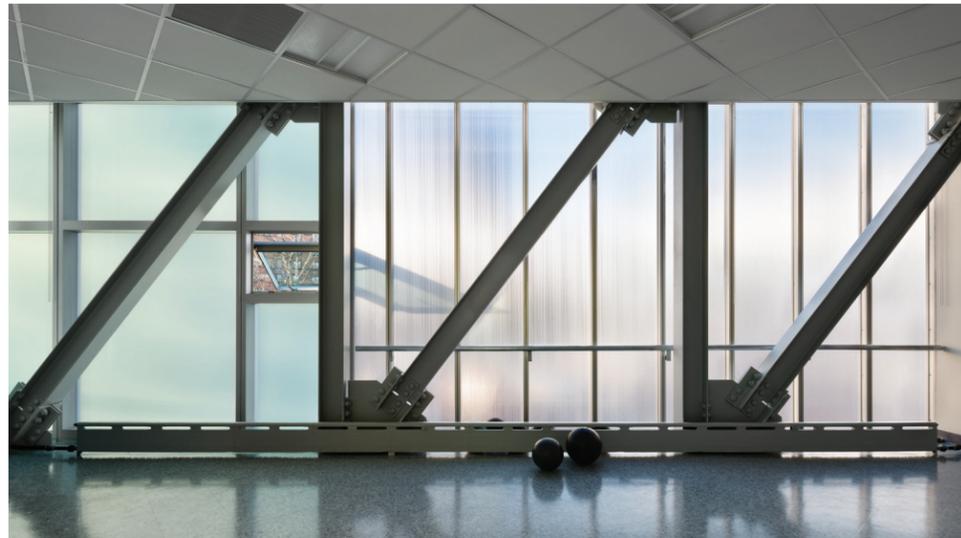
South Elevation

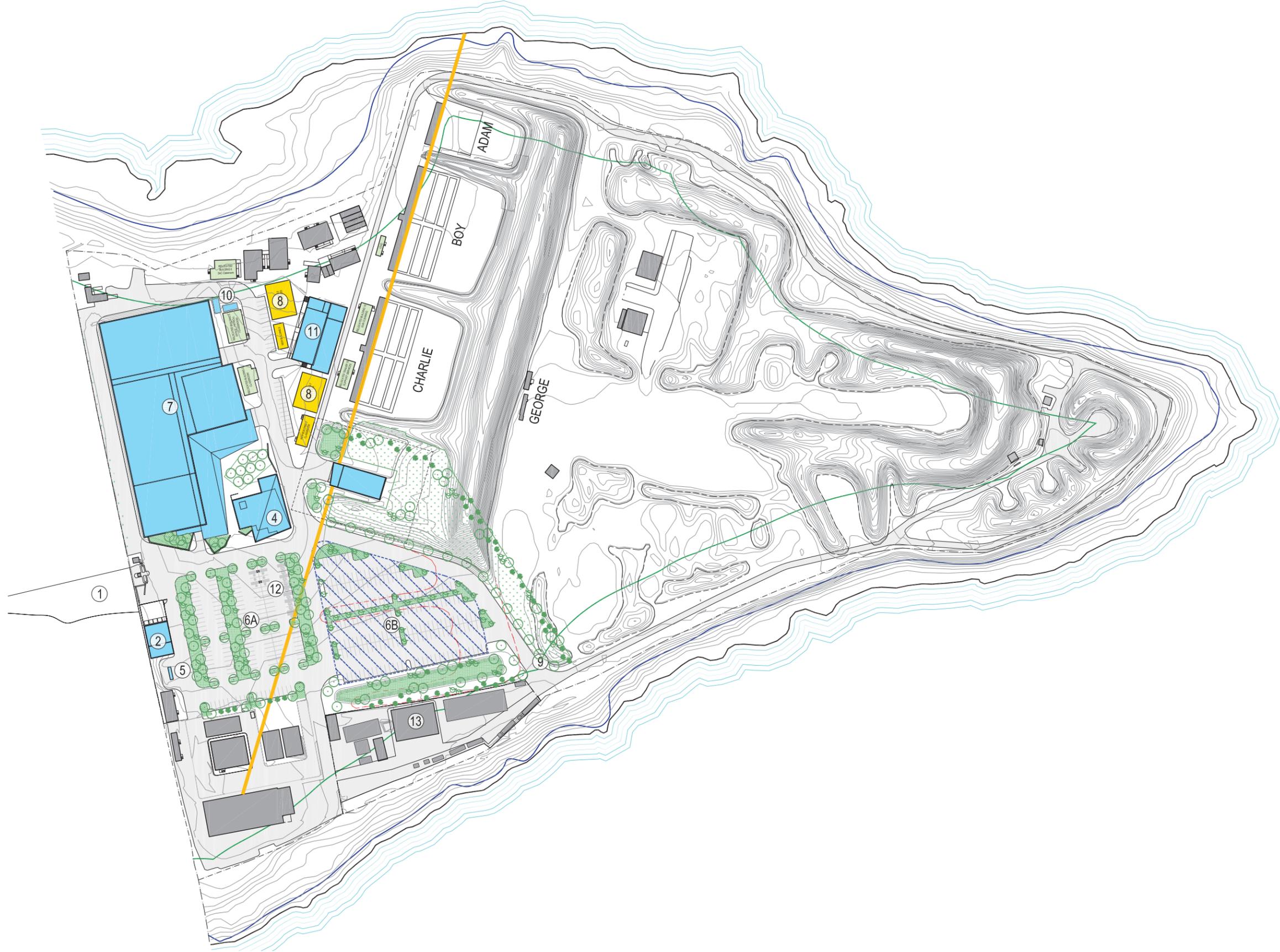


West Elevation



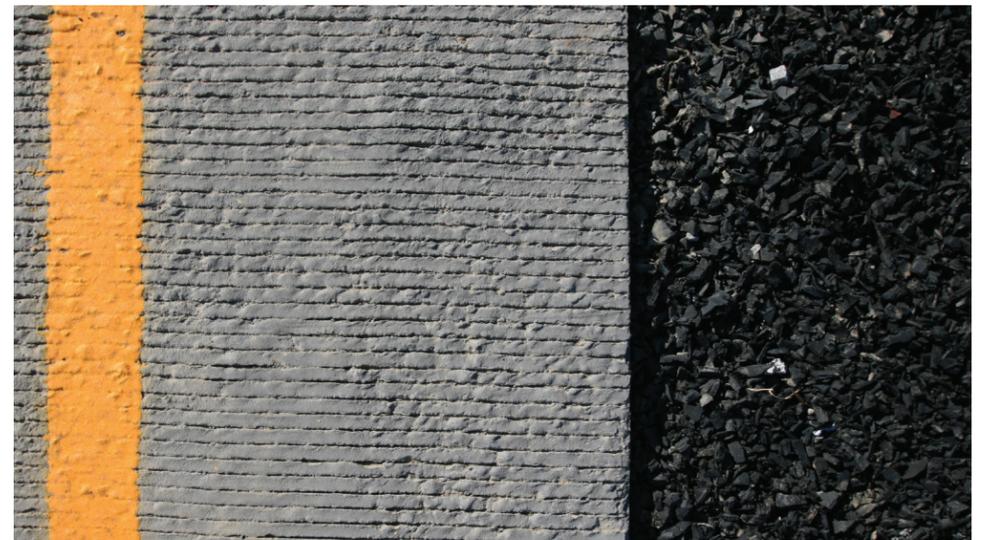


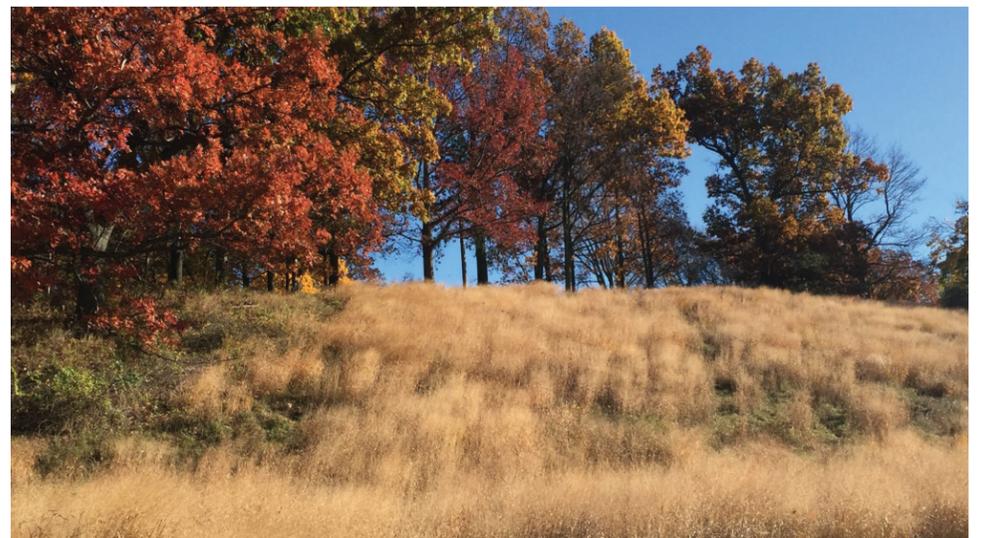




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 - Existing Structure
 - New Structure
 - Relocated Structure
 - New NYPD Structure
 - Demolished Zone
 - Exist. Range Firing Line
 - Bullet-fall Canopy
 - Shade Tree
 - Ornamental Tree
 - Evergreen Tree
 - Bioretention Planting
 - Native grasses / perennials
 - Existing Tree
1. Utilities to Site
 2. Facility Services Building
 4. Mess Hall, Bathroom and Locker Room
 5. Fueling Station (add/alt)
 - 6A. Parking Lot
 - 6B. Parking Lot with Canopy Structure
 7. 150-Point Indoor Range w/ Gun Cleaning, Classrooms, W/C's, and Corridor
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 9. Access Connection to Perimeter Road
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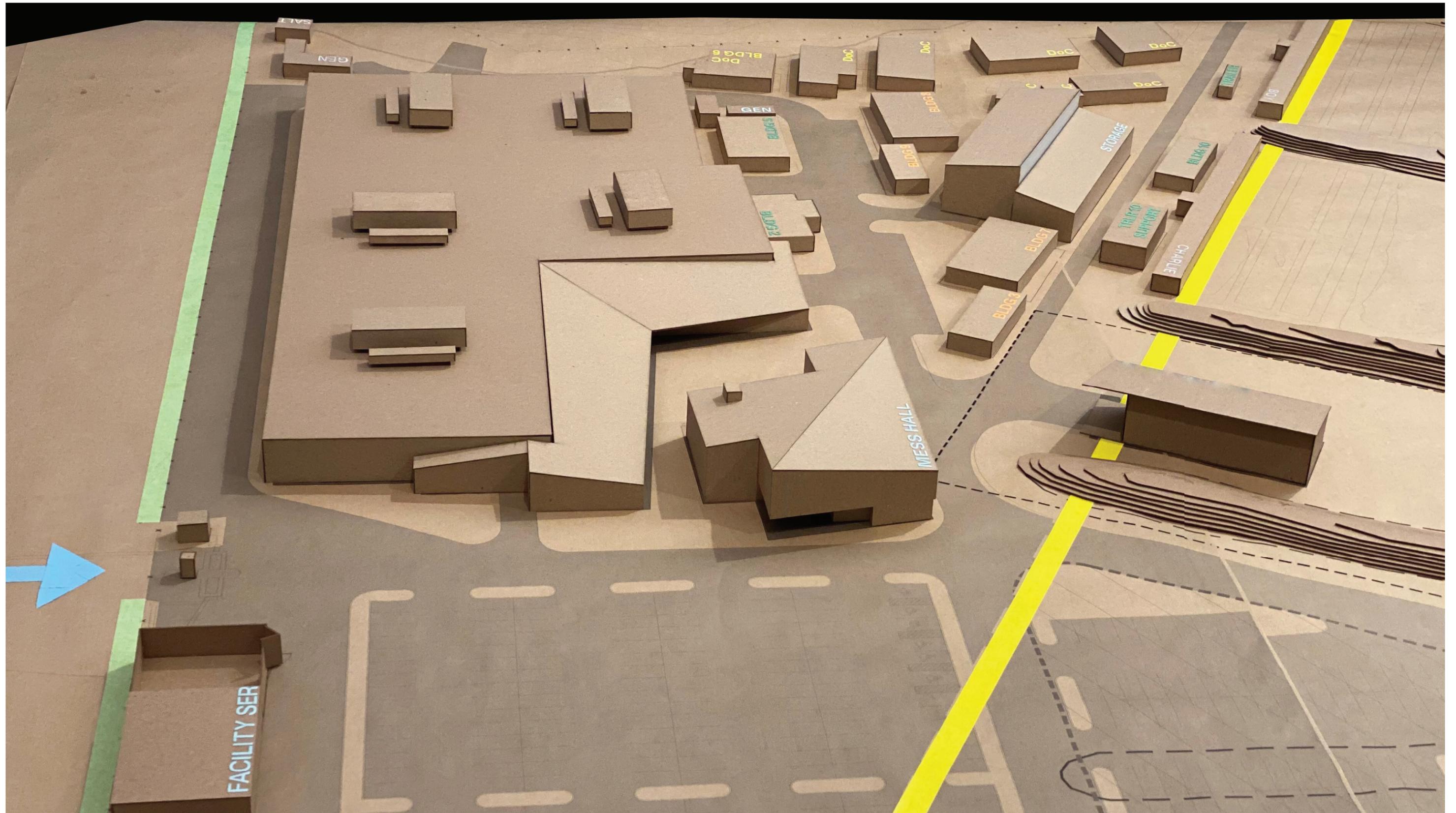


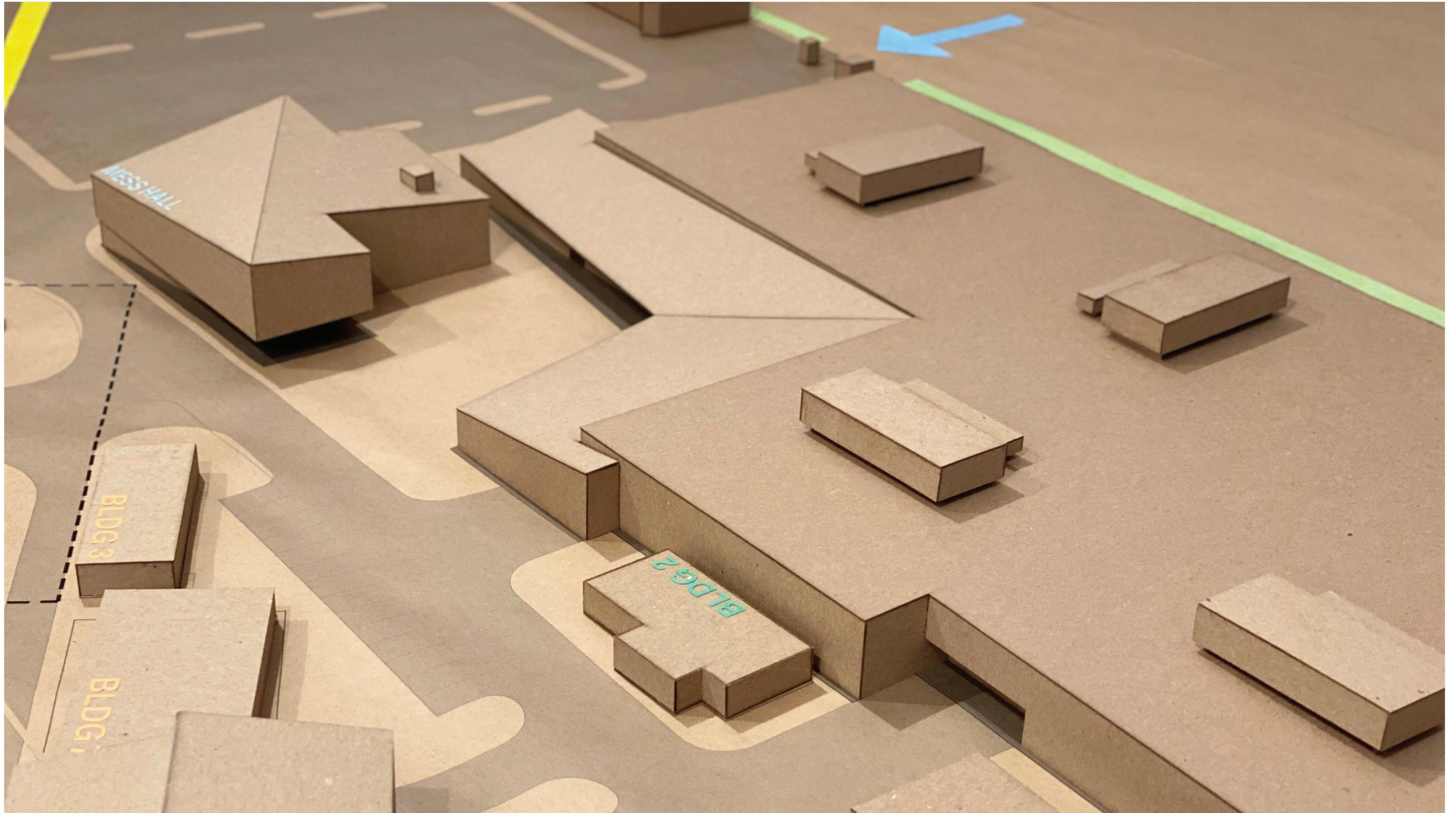


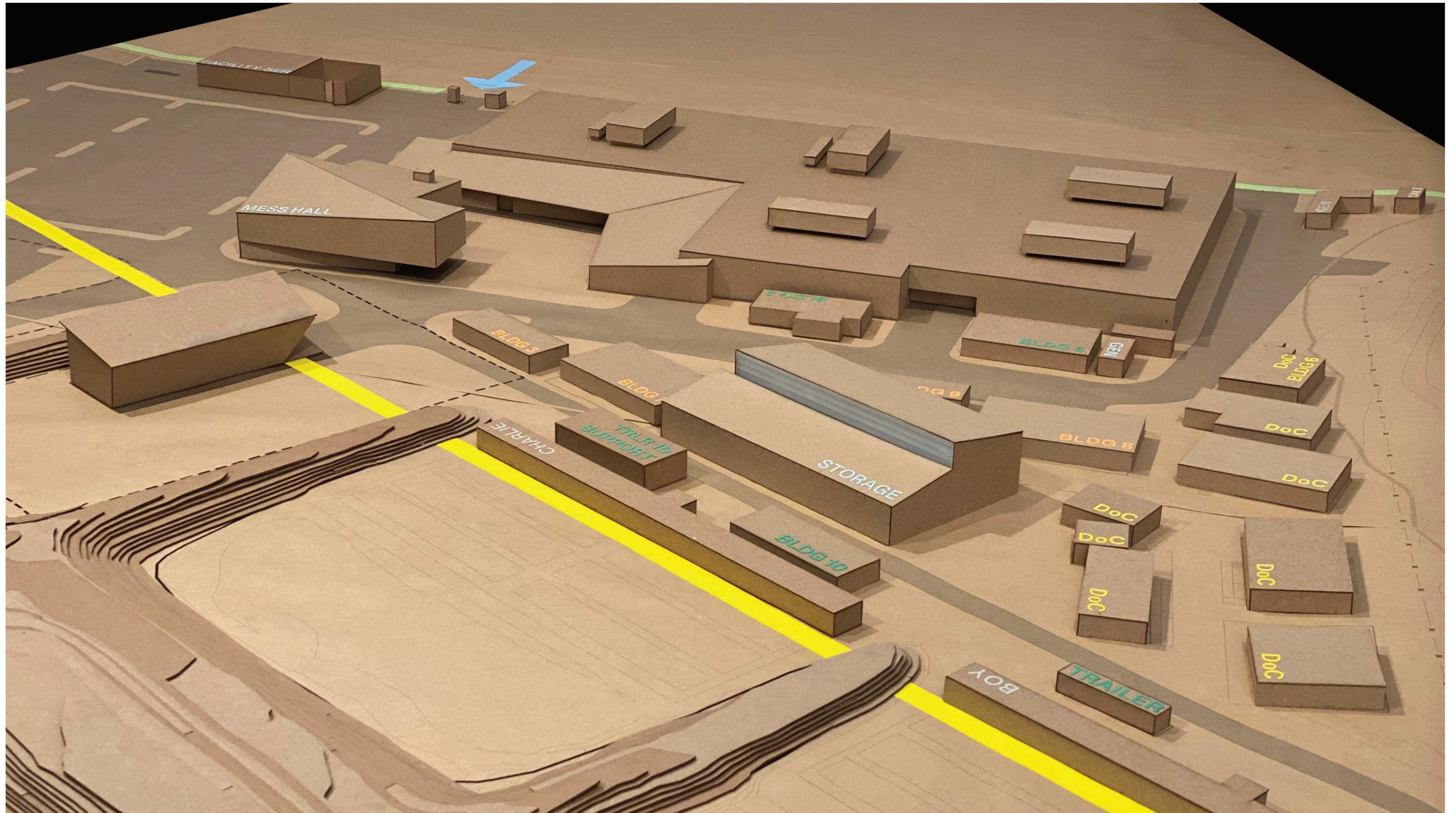


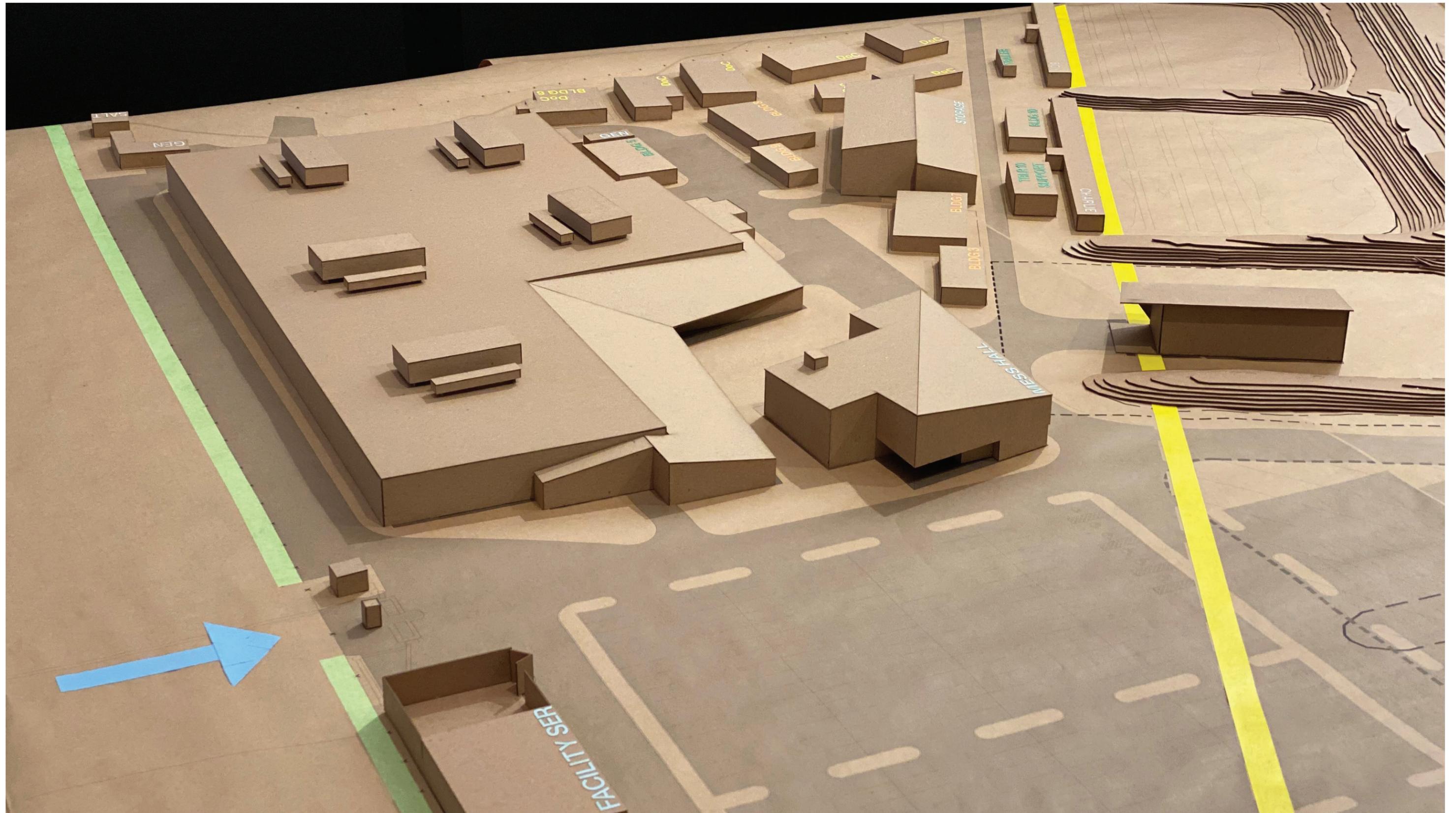








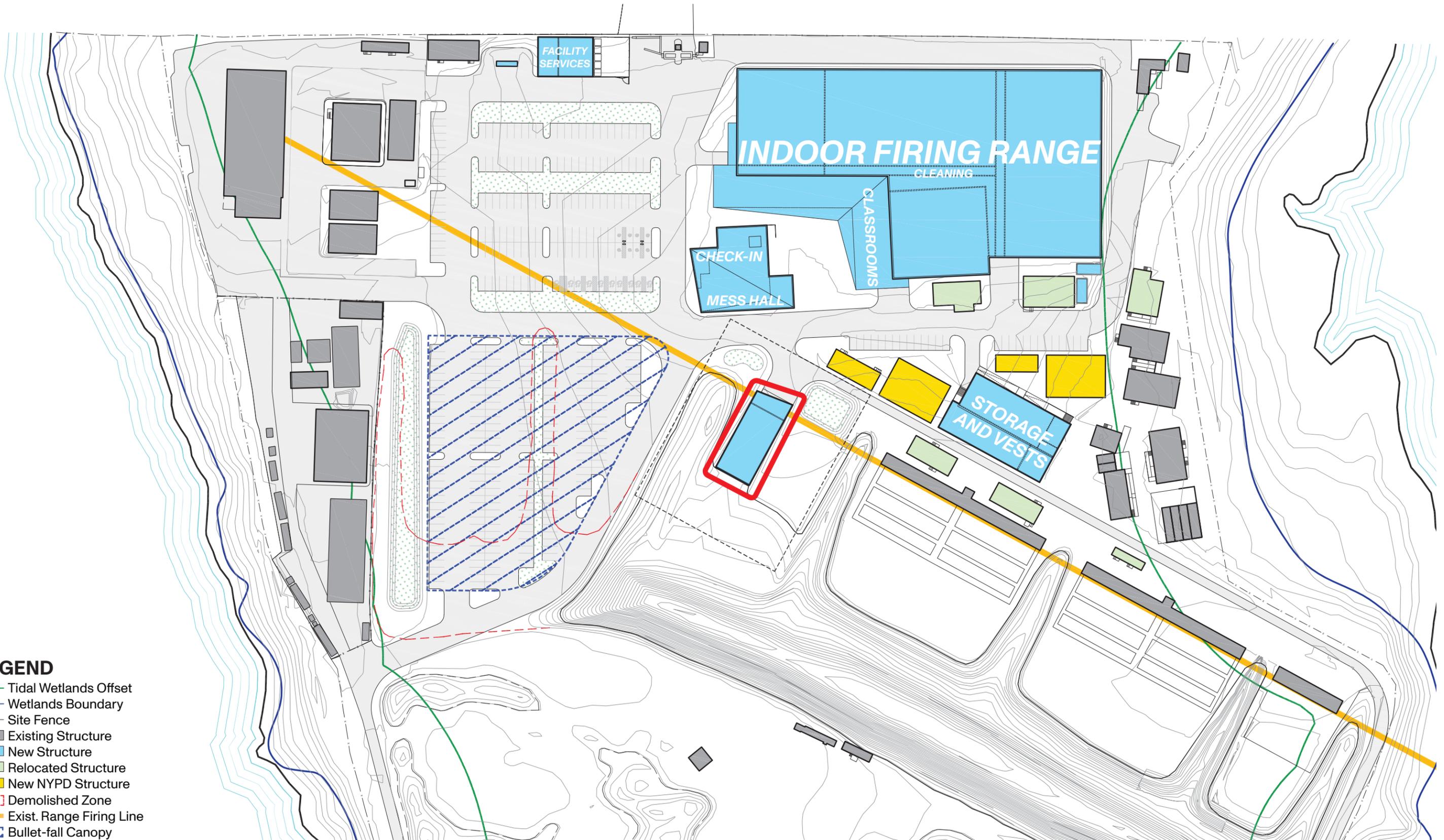




Appendix

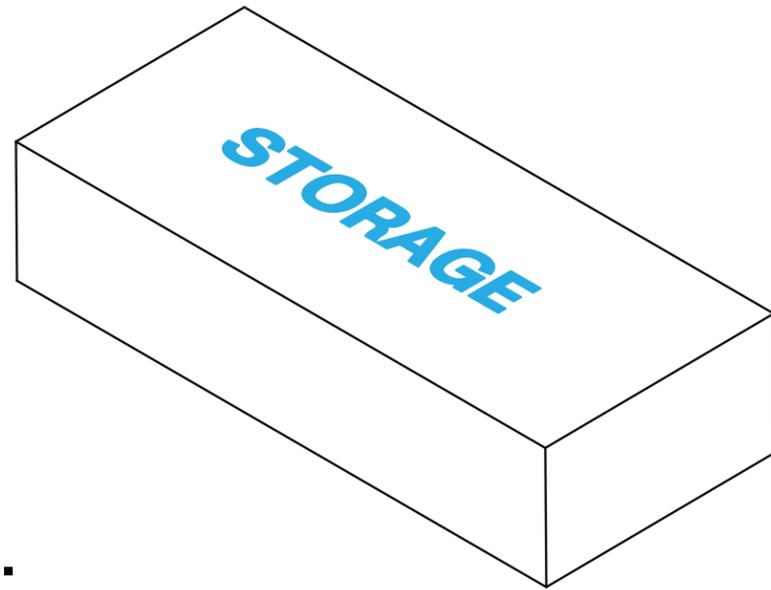
Ancillary Building Drawings



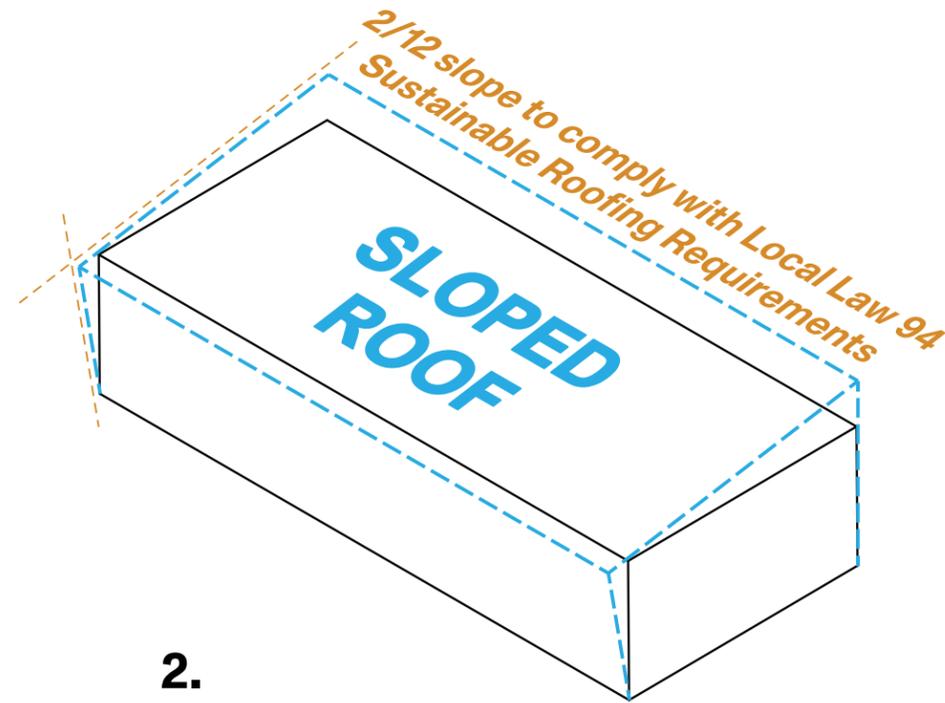


- LEGEND**
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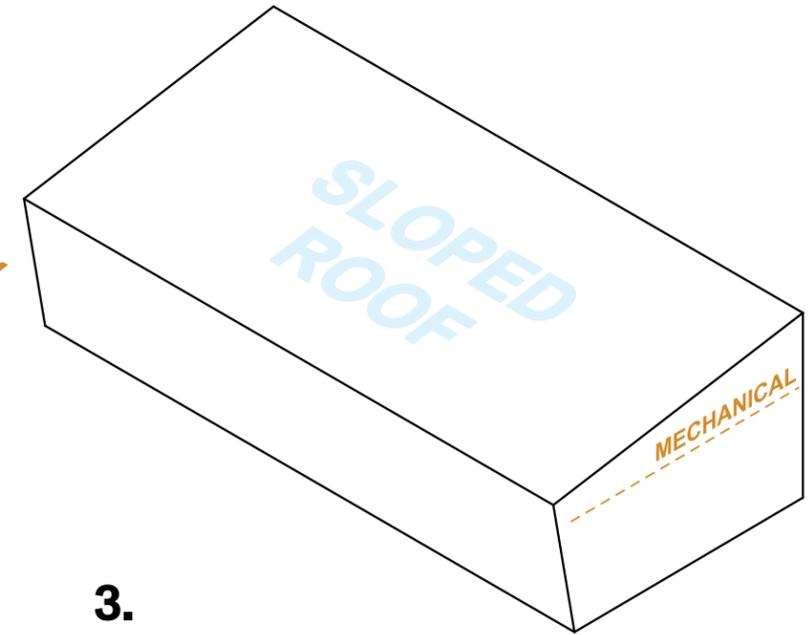




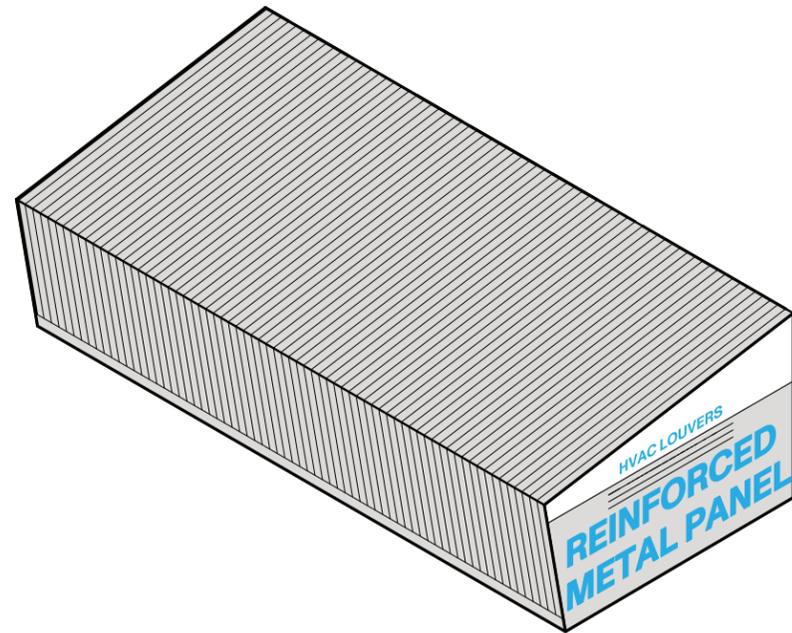
1.
Storage as a box



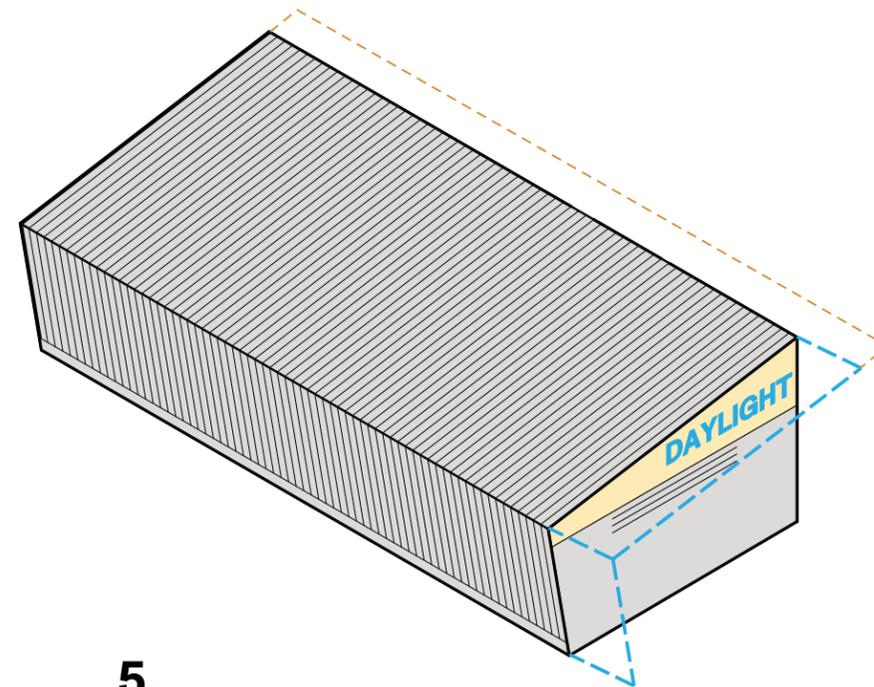
2.
Sloped roof for sustainable roofing and rainwater



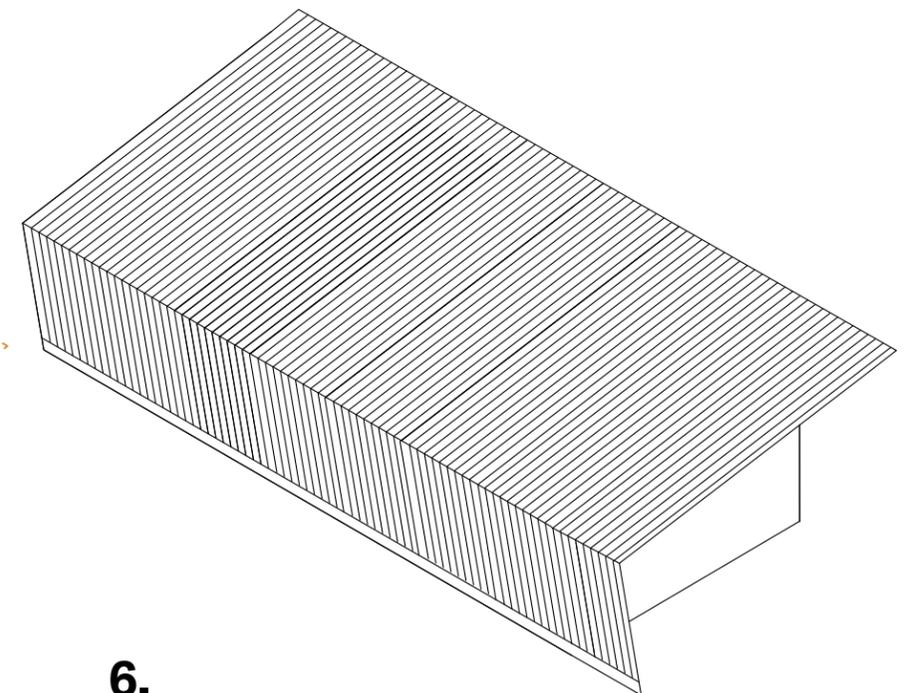
3.
Excess space under slope becomes overhead mechanical zone



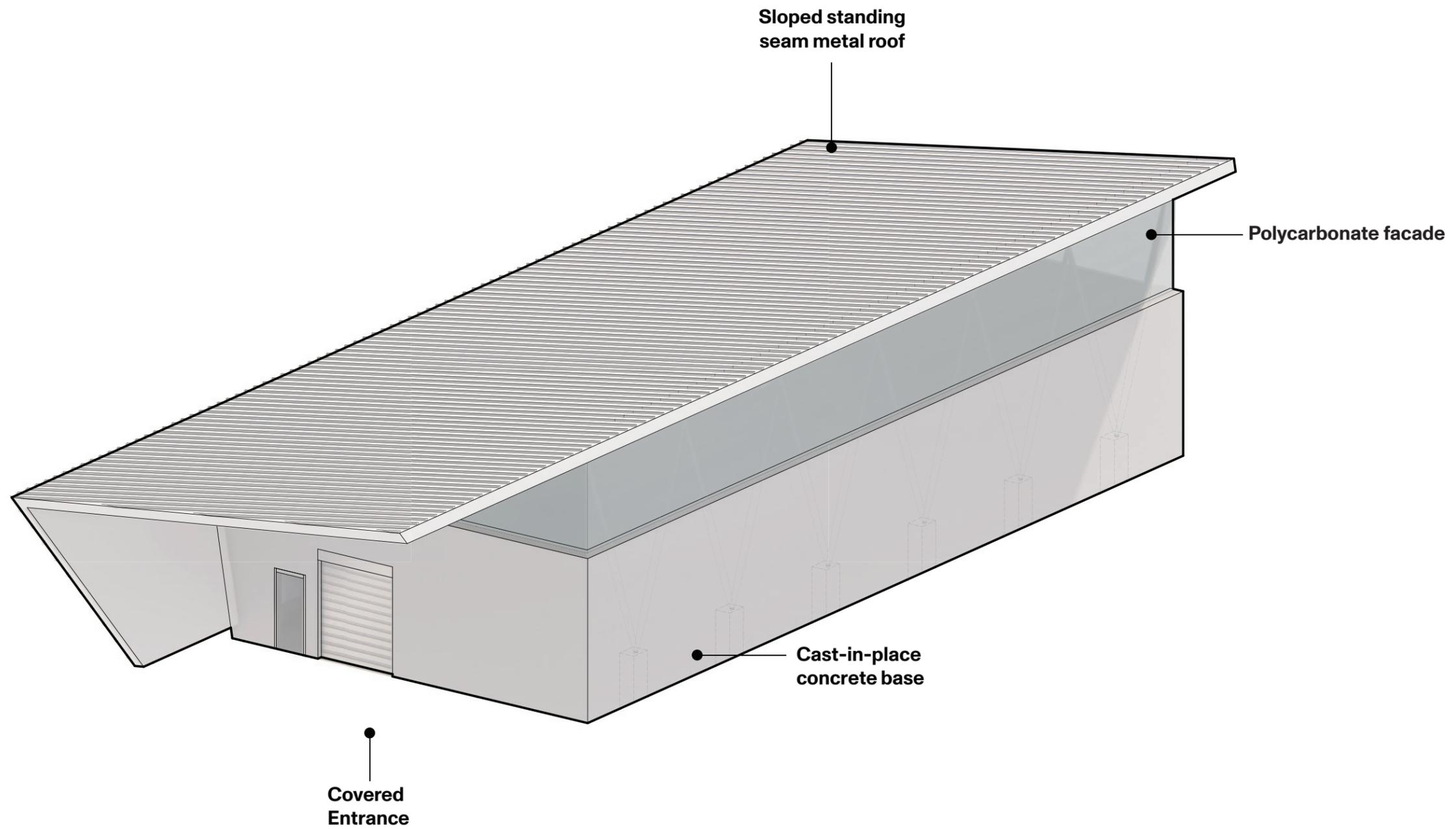
4.
Secured and protected metal panel

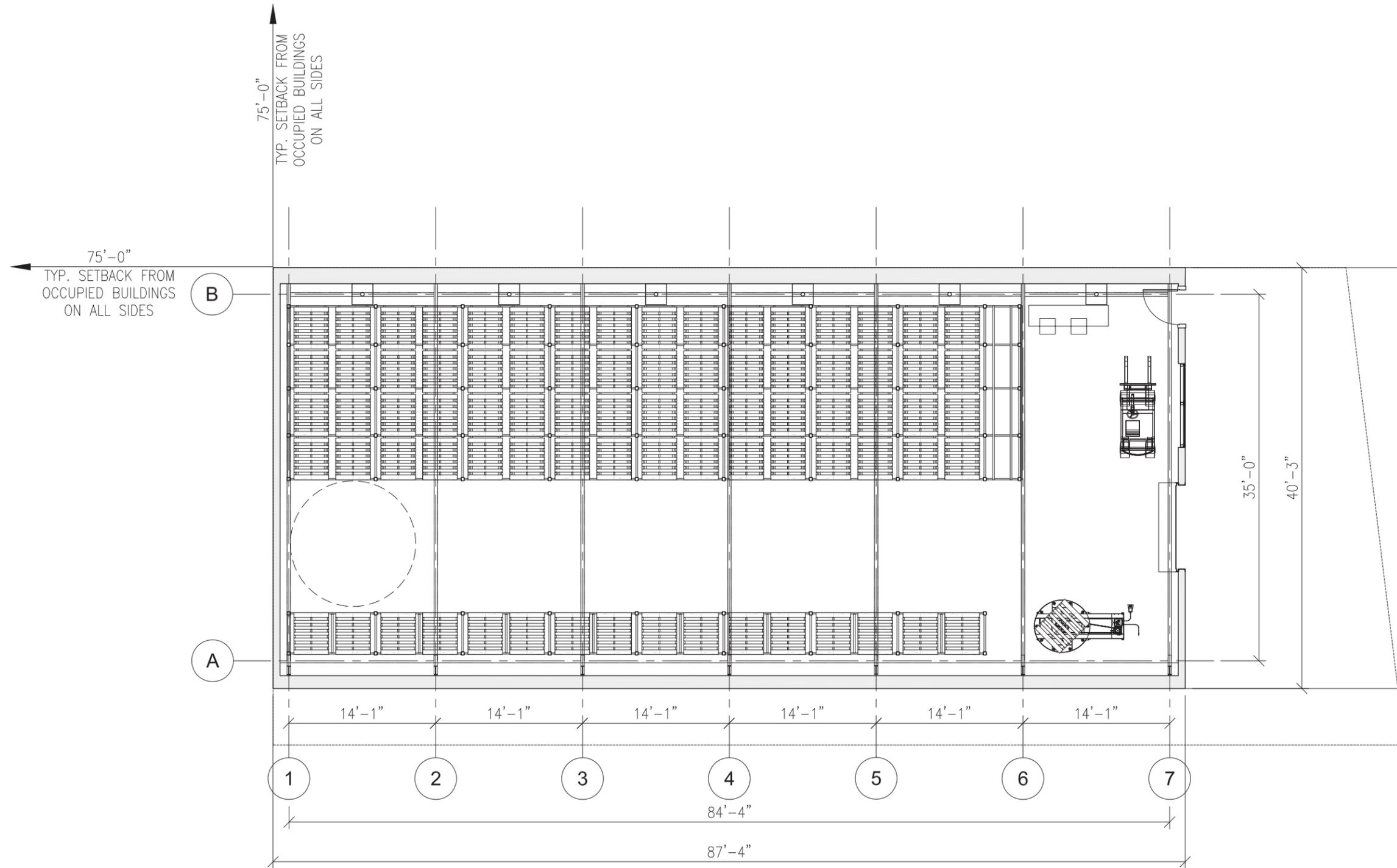


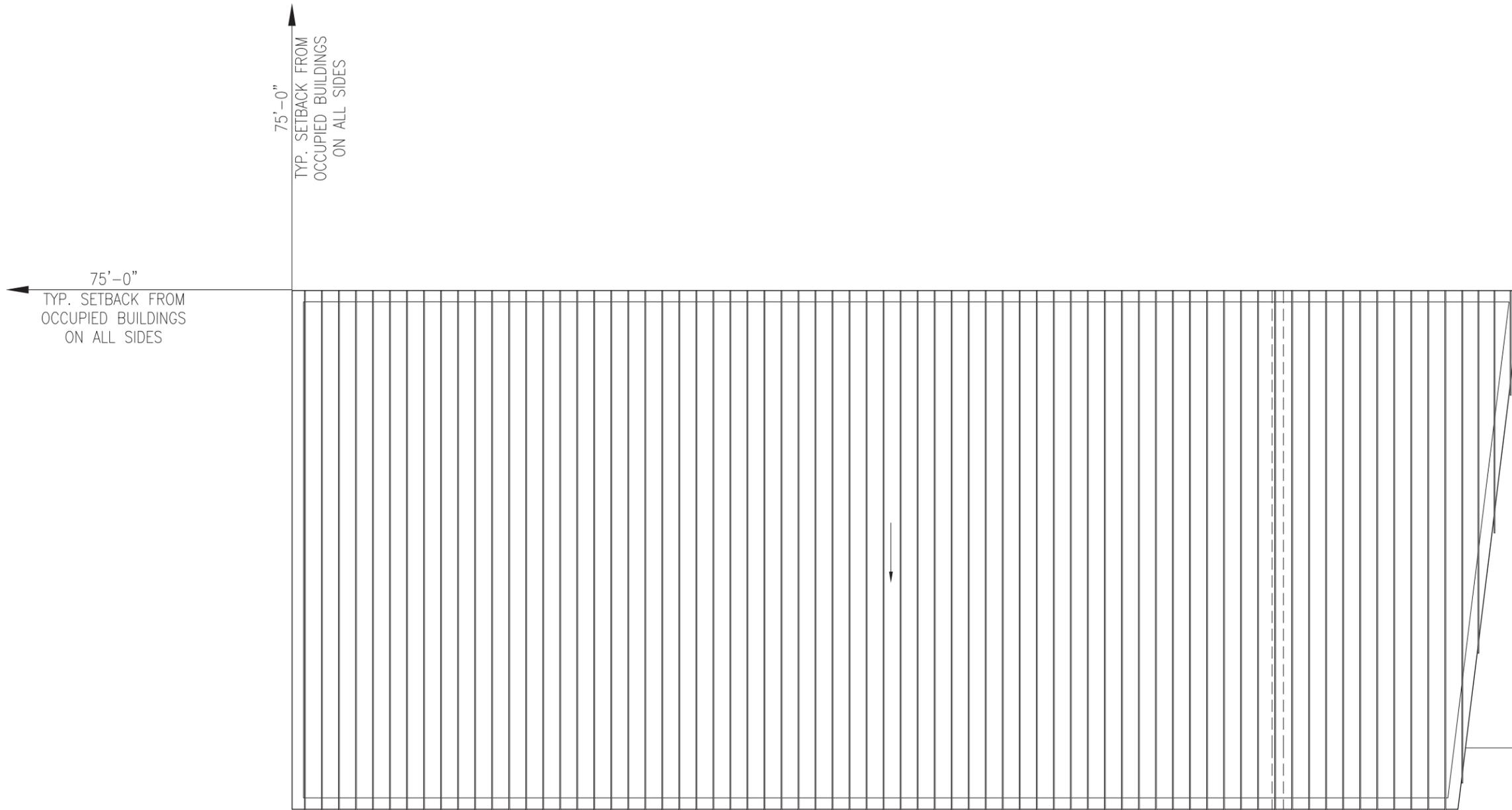
5.
Daylighting with polycarbonate clerestory above secured zone and roof overhang



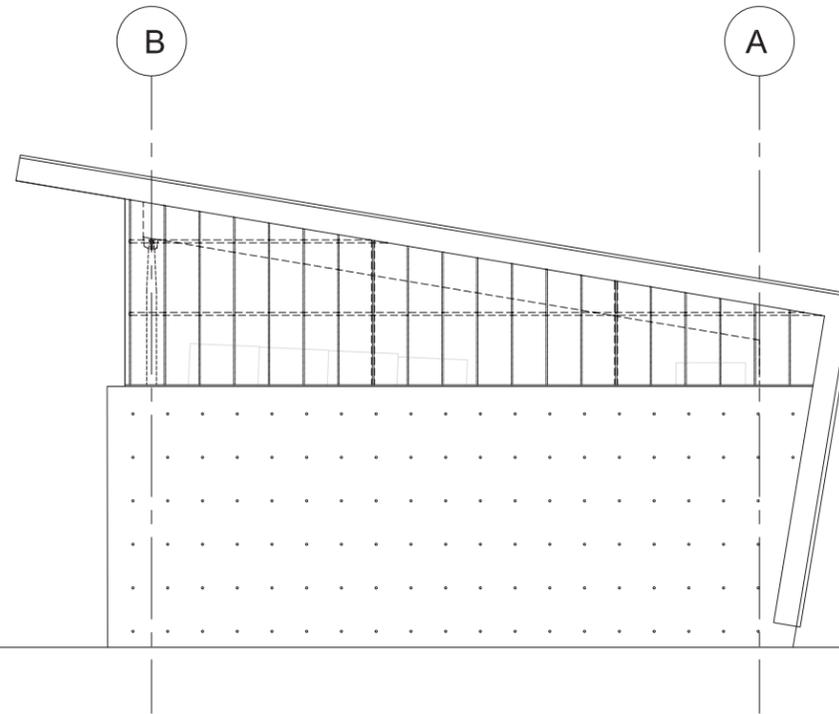
6.
Storage Building







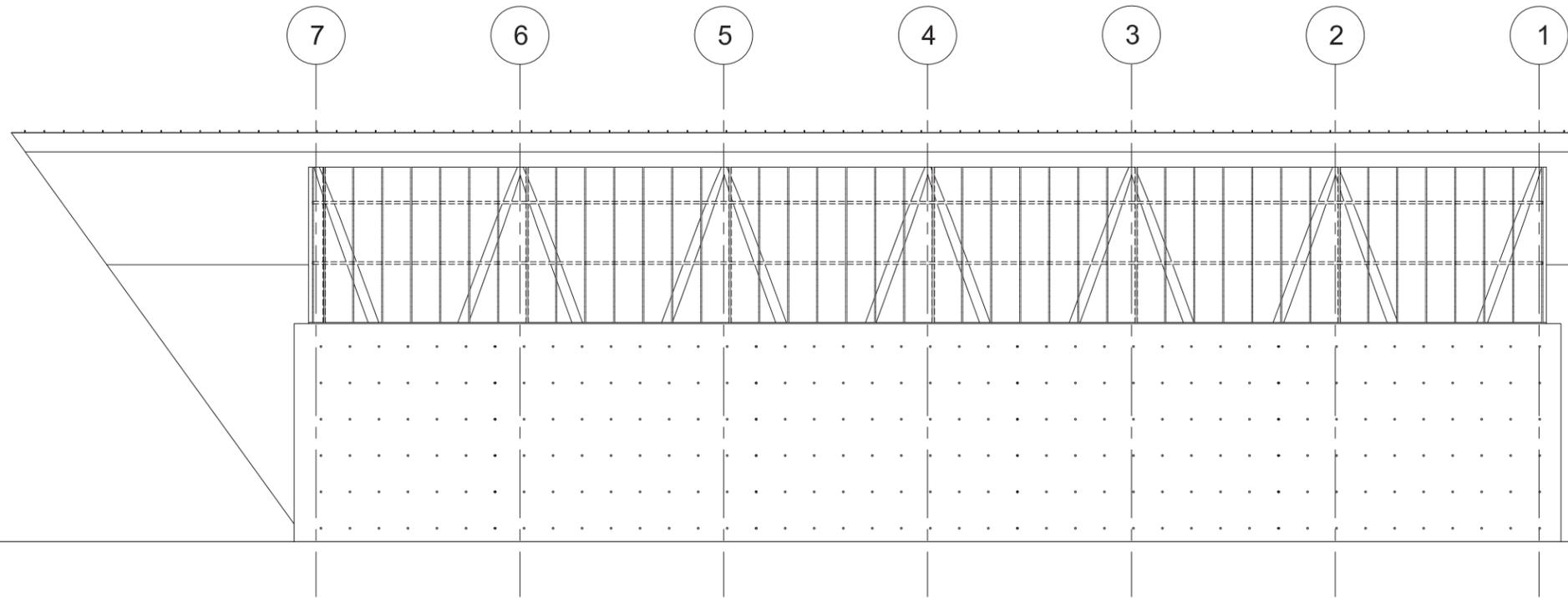
North Elevation



T.O. ROOF LEVEL
EL. 28'-3"

T.O. SLAB GROUND LEVEL
EL. 0'-0"

East Elevation



T.O. ROOF LEVEL
EL. 28'-3"

T.O. SLAB GROUND LEVEL
EL. 0'-0"



Smith-Miller
+Hawkinson
Architects

RODMAN'S NECK FIREARMS AND TACTICS FACILITY

RODMAN'S NECK, THE BRONX, NY 10464

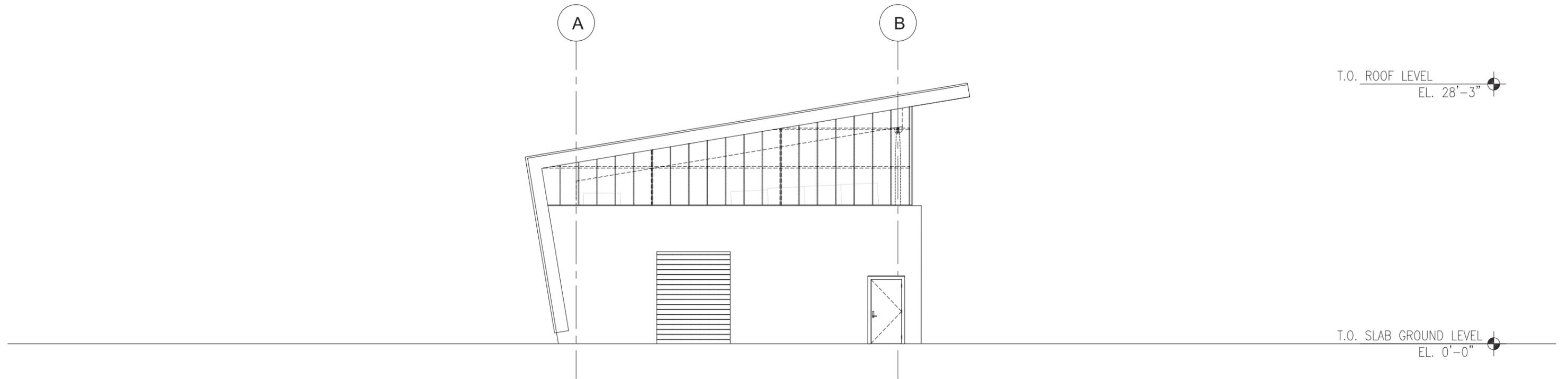
PUBLIC DESIGN COMMISSION - CONCEPTUAL REVIEW - NOVEMBER 15, 2021

STORAGE BUILDING

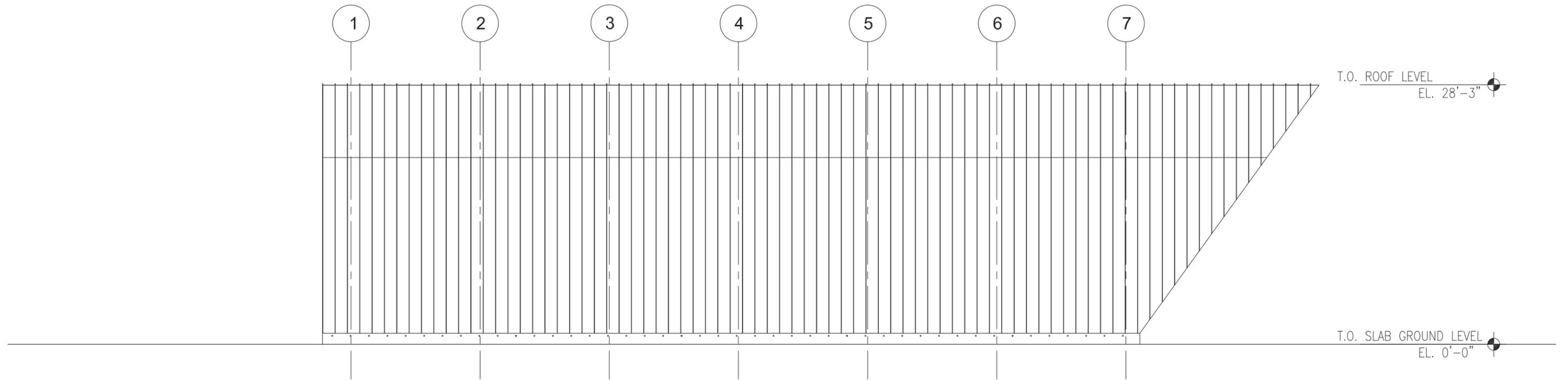
ELEVATIONS

3/32"=1'-0"

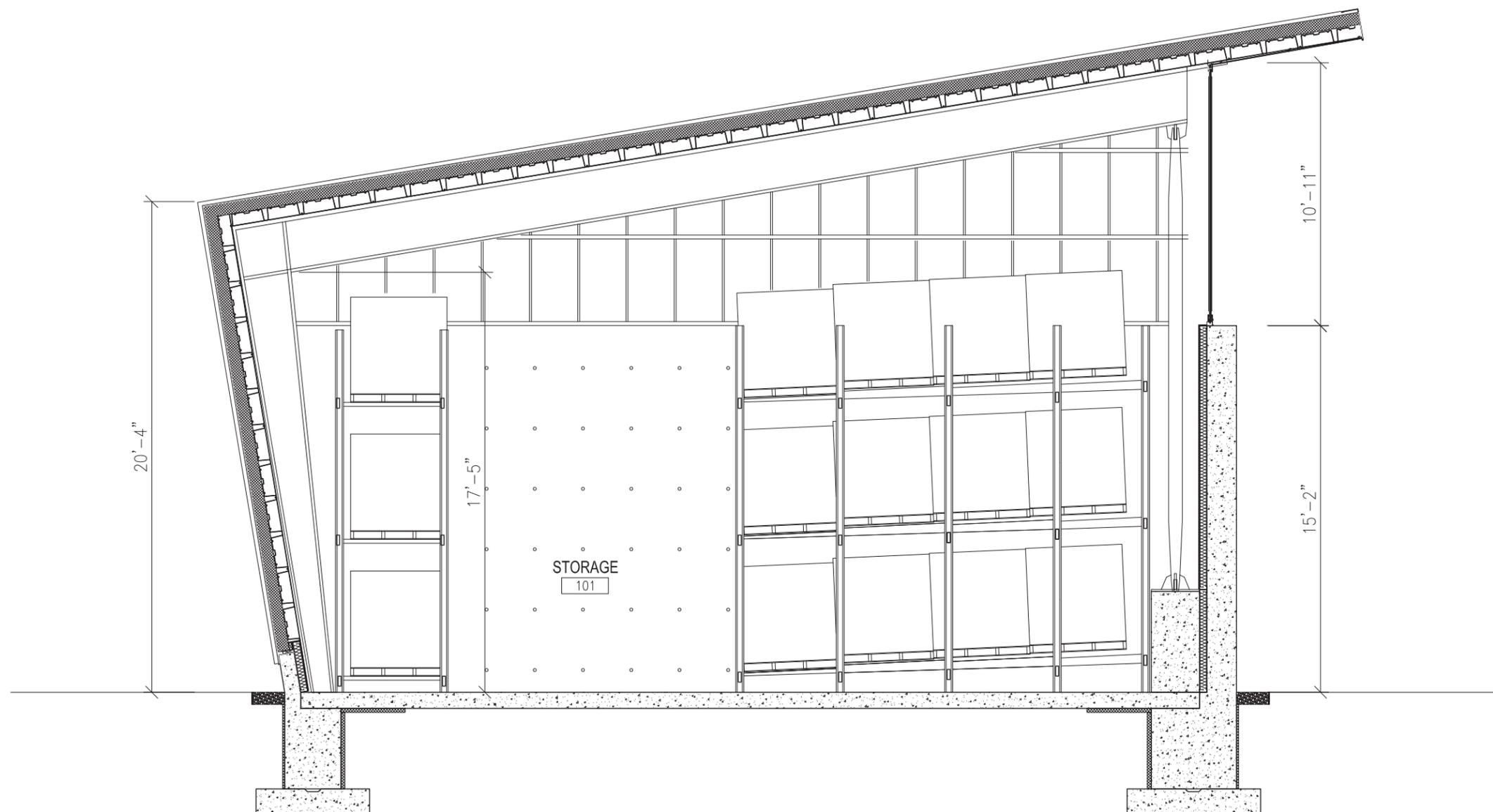
South Elevation



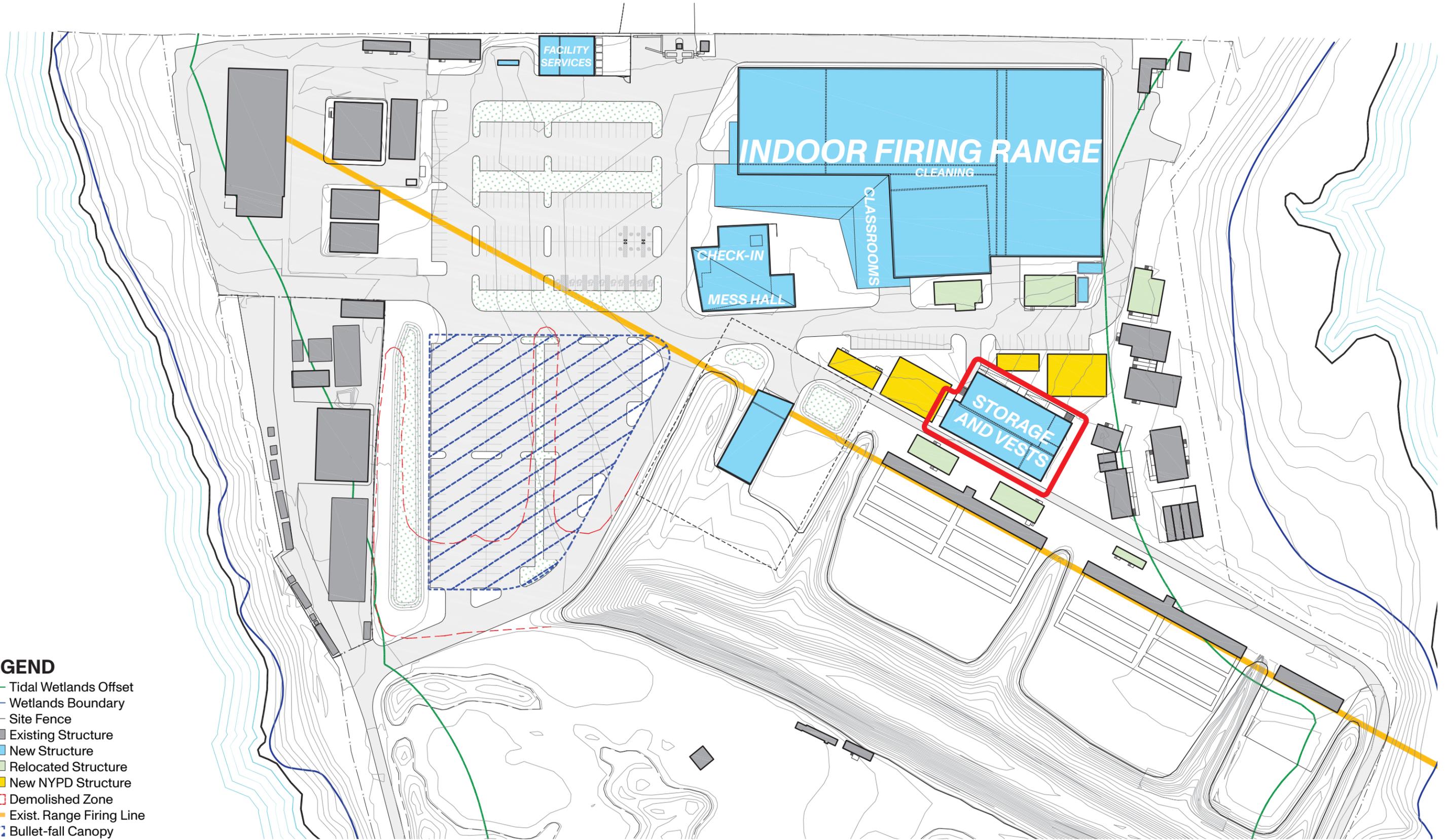
West Elevation



T.O. ROOF LEVEL
EL. 28'-3"

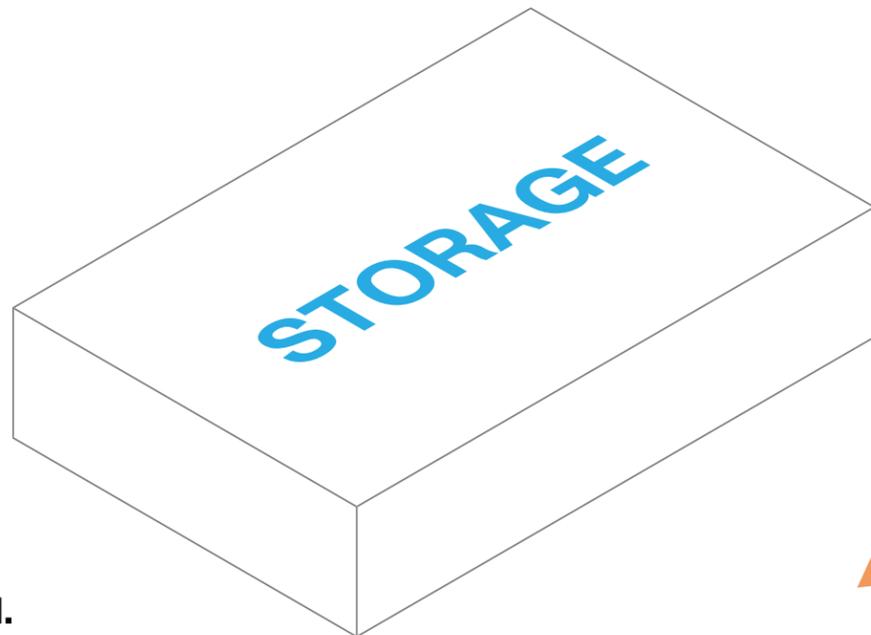


T.O. SLAB GROUND LEVEL
EL. 0'-0"

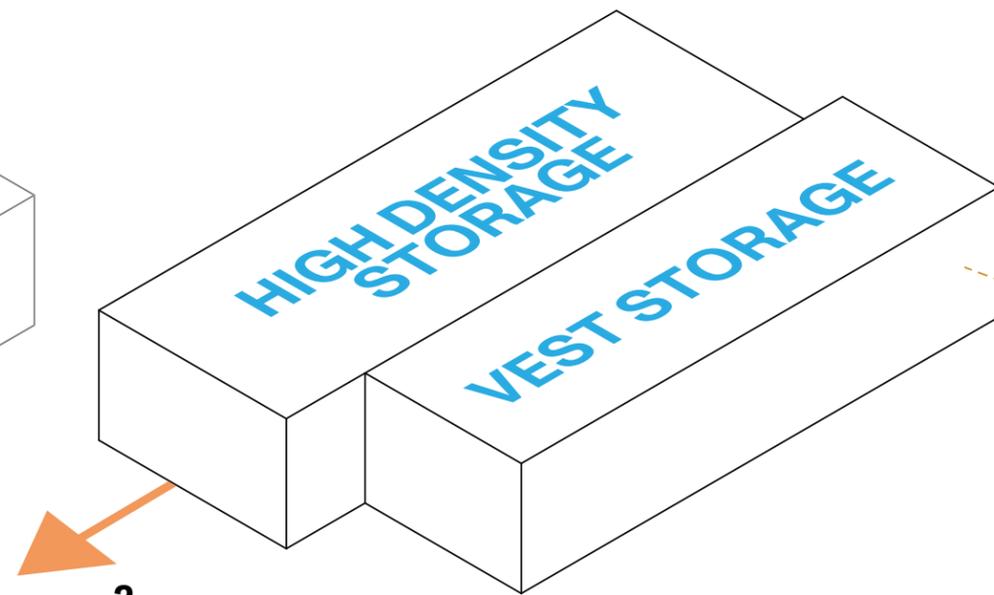


- LEGEND**
- Tidal Wetlands Offset
 - Wetlands Boundary
 - Site Fence
 - Existing Structure
 - New Structure
 - Relocated Structure
 - New NYPD Structure
 - Demolished Zone
 - Exist. Range Firing Line
 - Bullet-fall Canopy

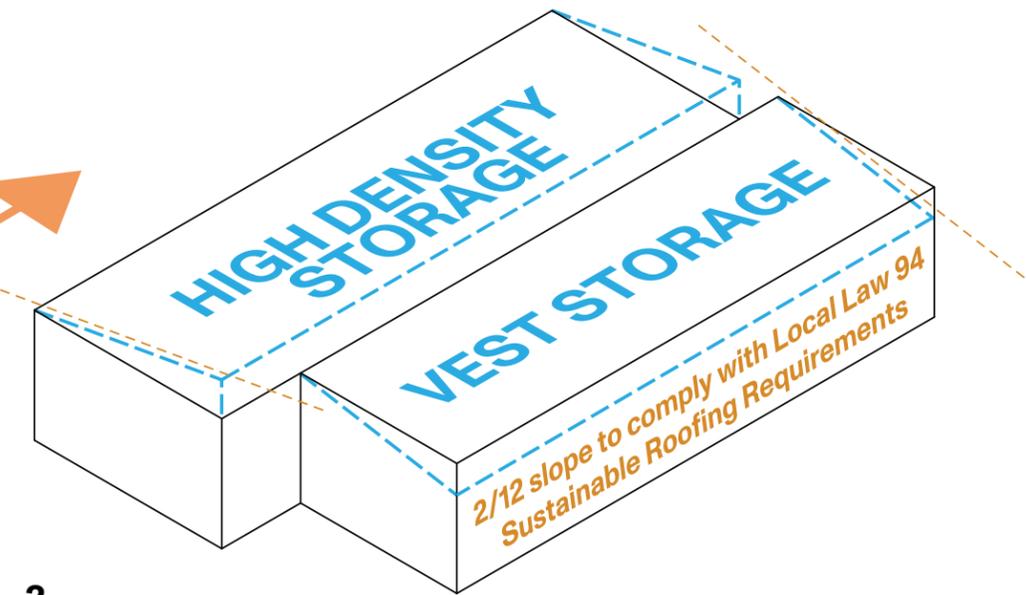




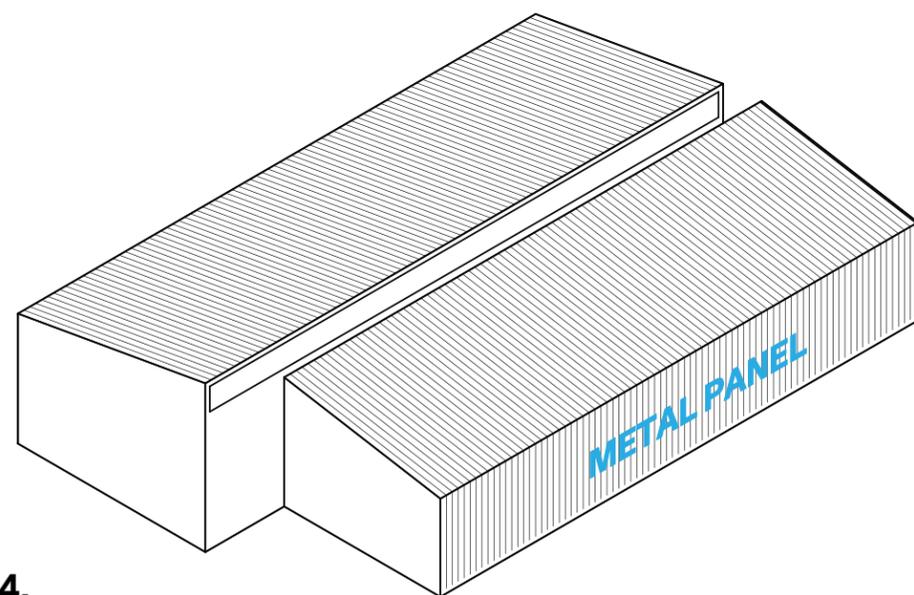
1.
Storage Building as a box



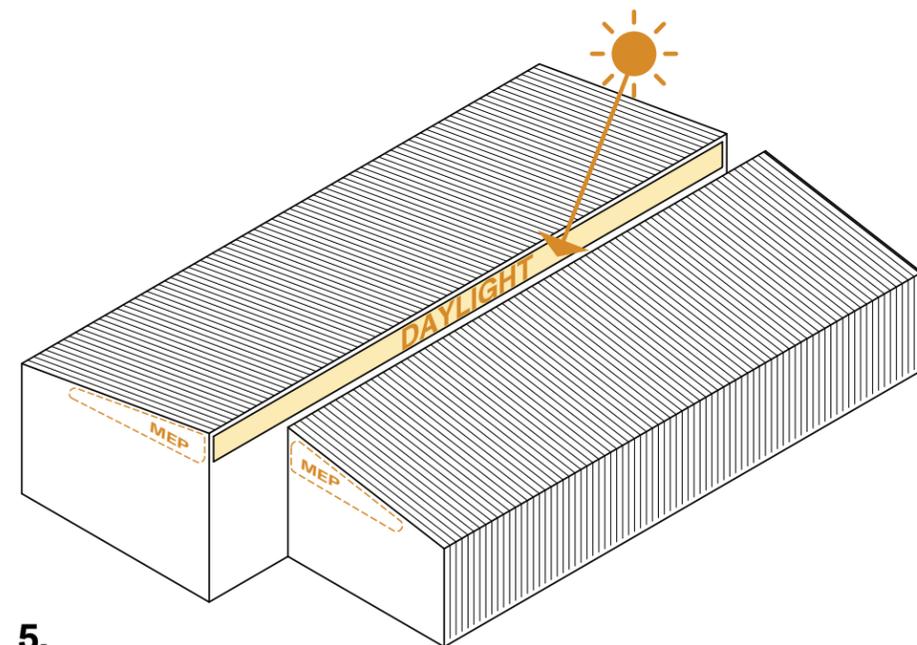
2.
Shifted volumes for high-density and vest storage allows for dedicated entry



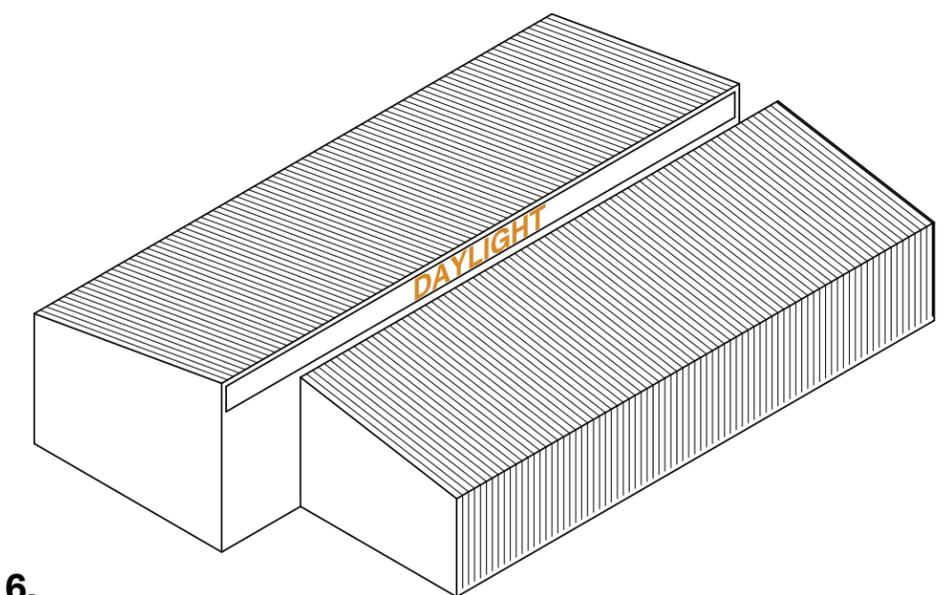
3.
Sloped roof for sustainable roofing and rainwater



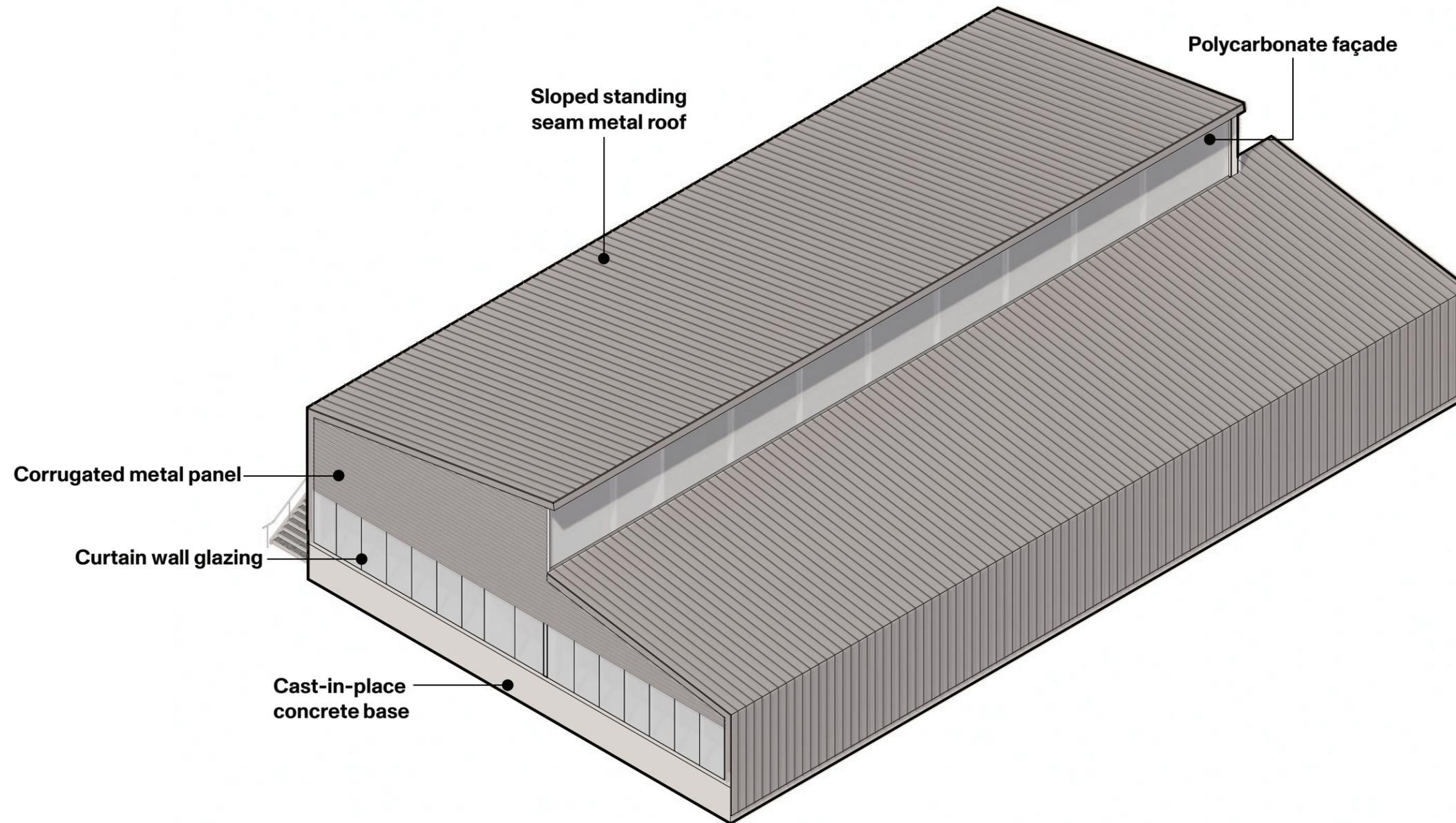
4.
Enclosed in secure metal panel

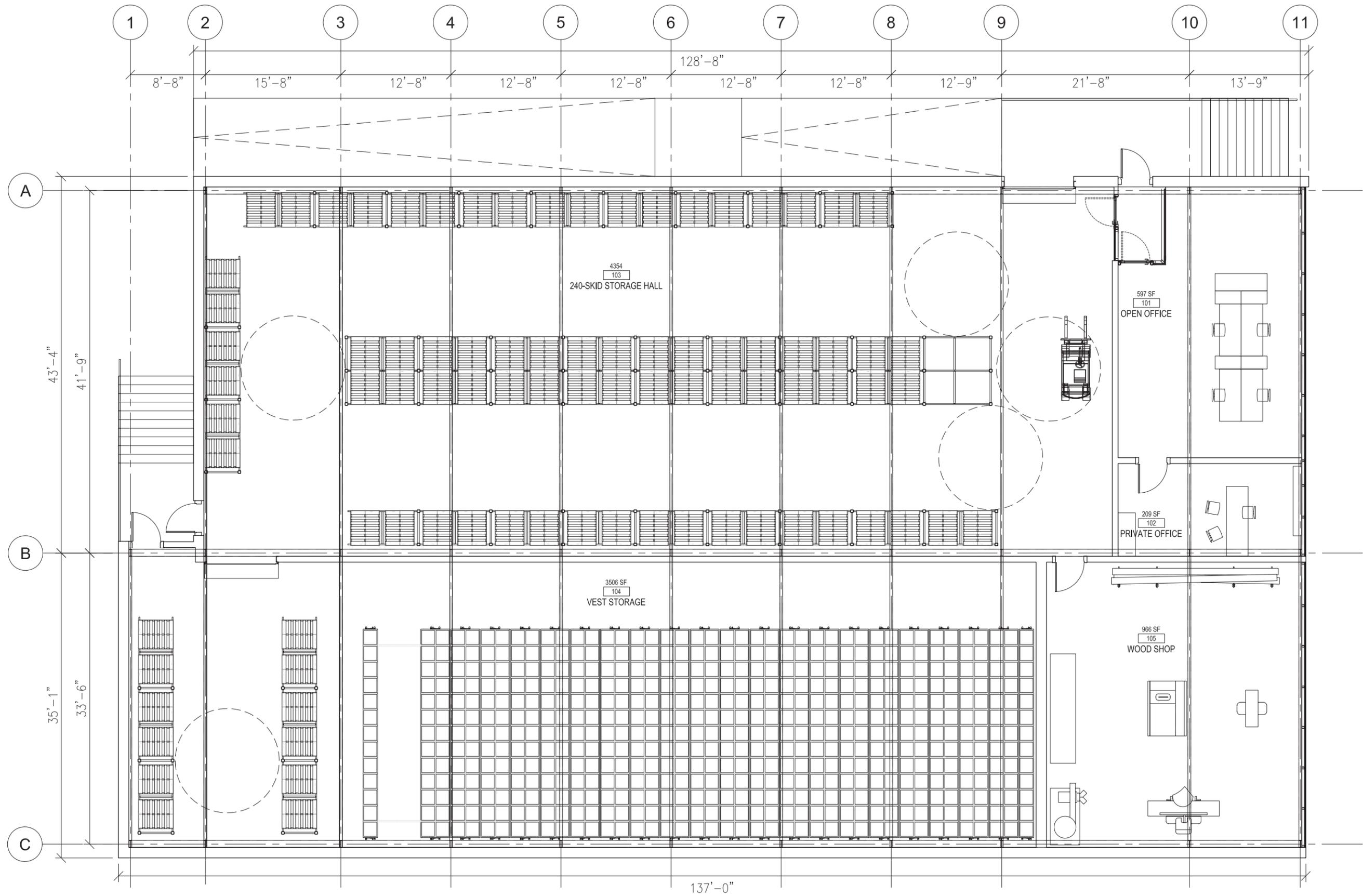


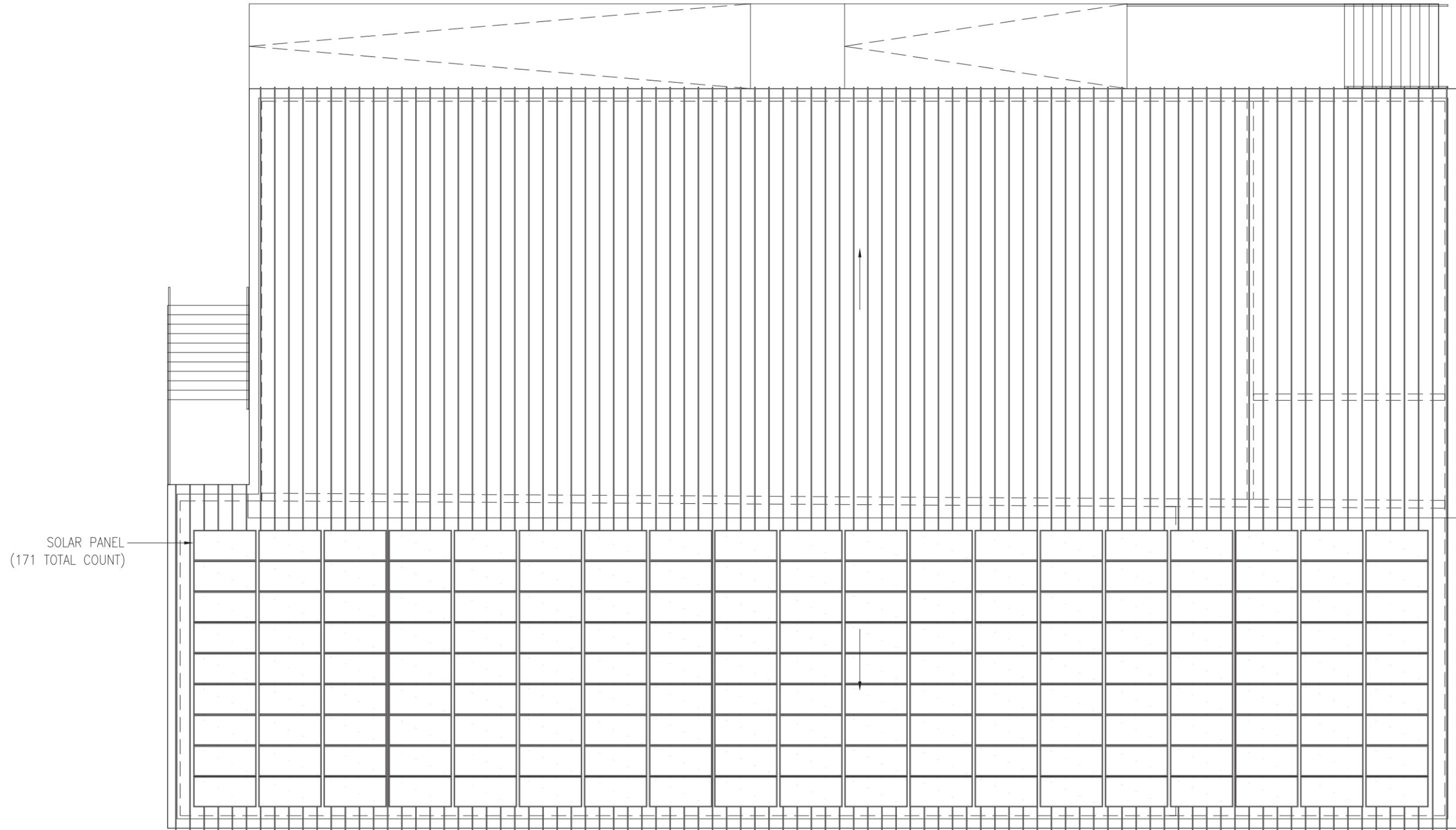
5.
Polycarbonate clerestory for daylight and dedicated zone for overhead mechanical in excess sloped roof zone



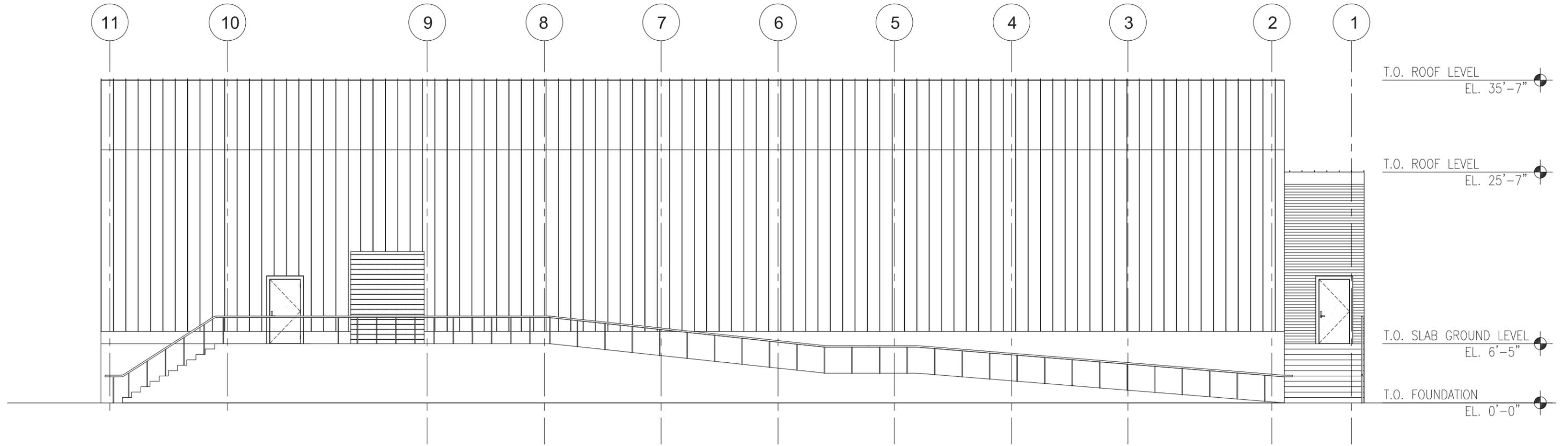
6.
Storage and Vest Building



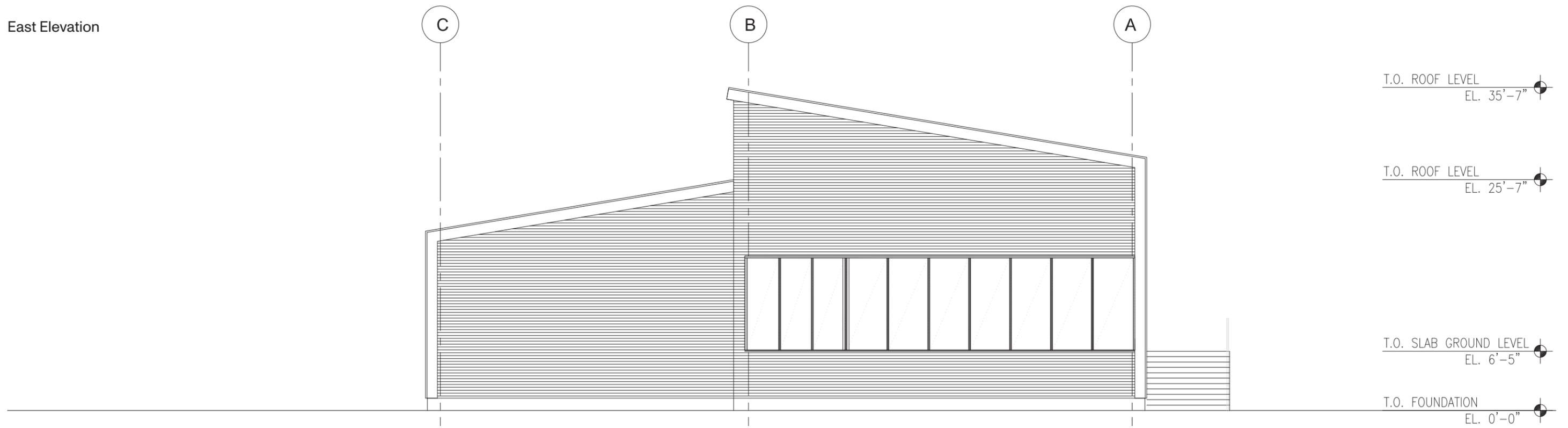




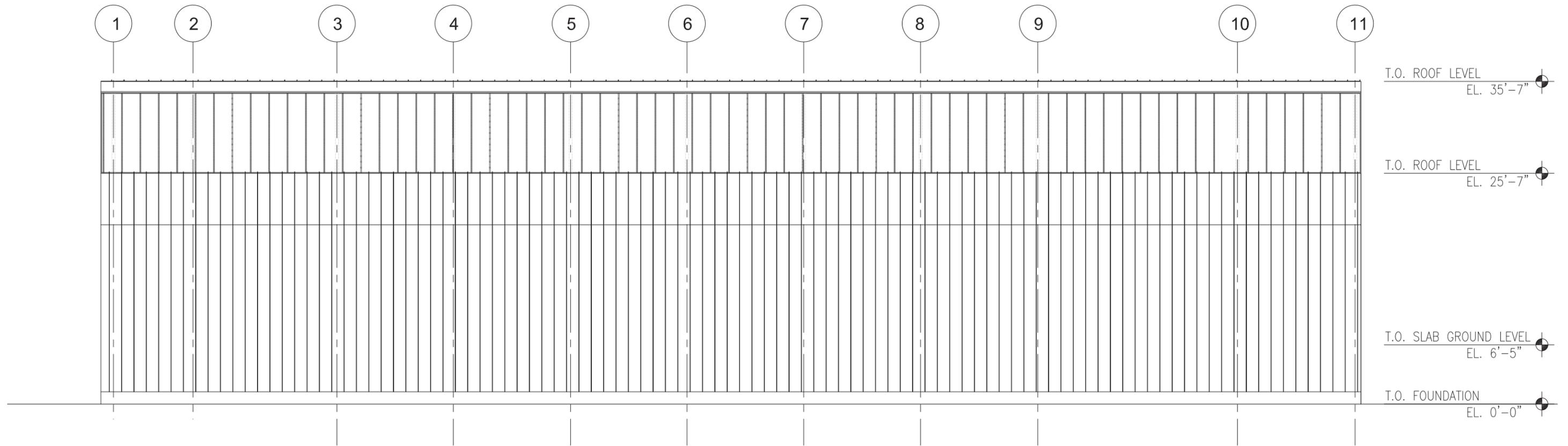
North Elevation



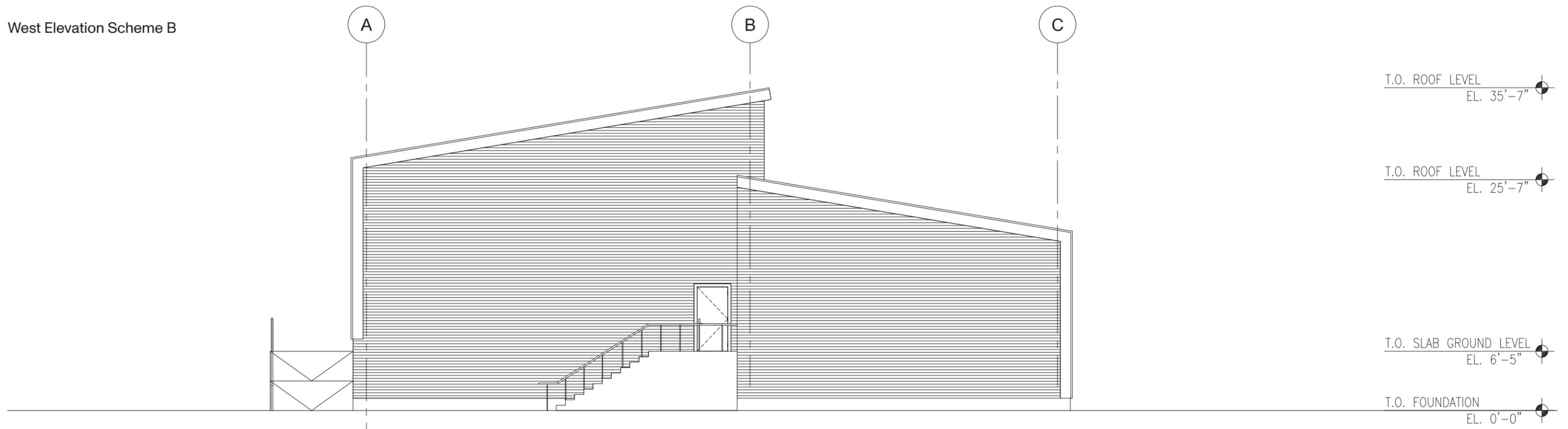
East Elevation

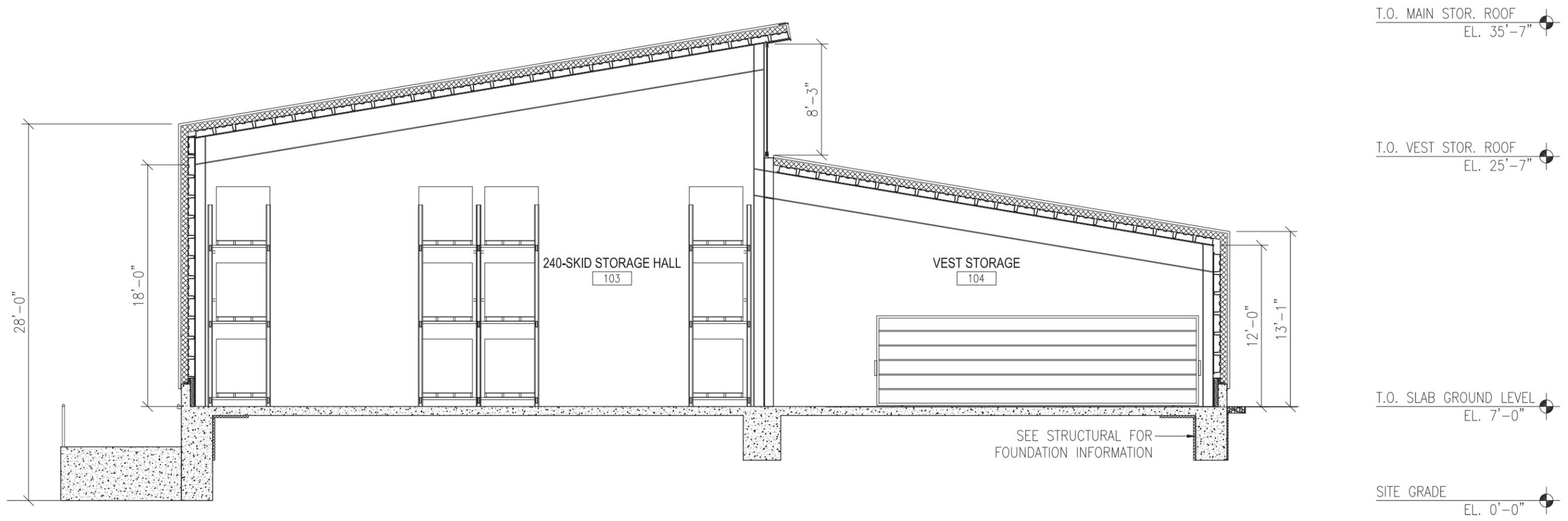


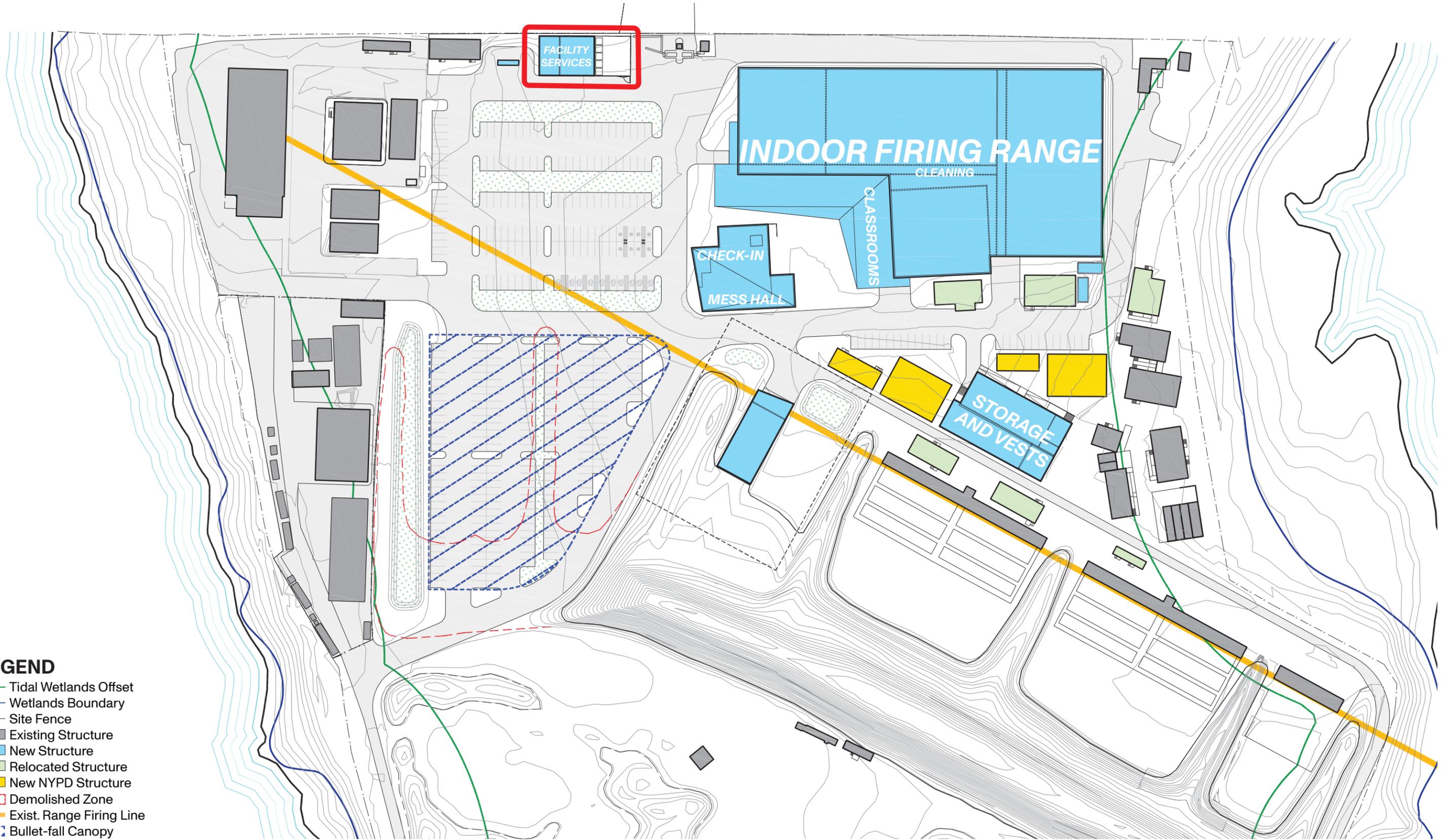
South Elevation Scheme B



West Elevation Scheme B

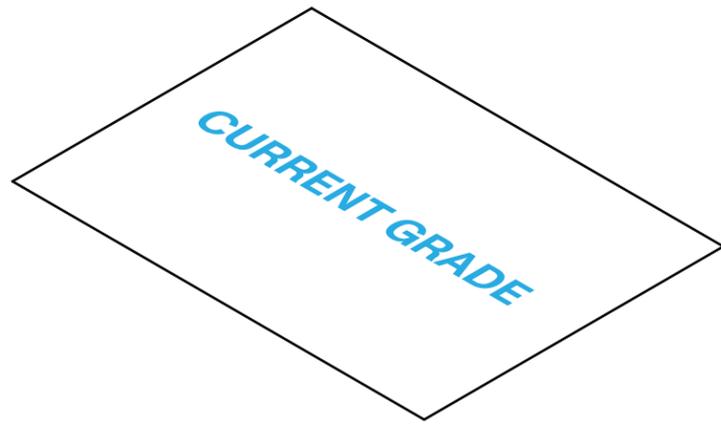




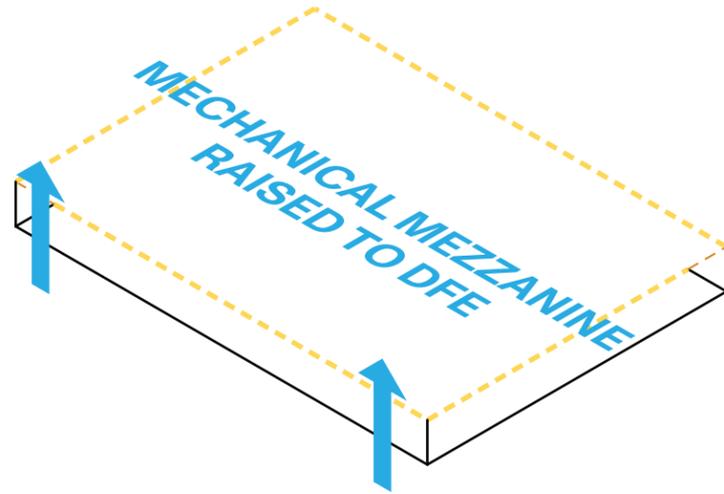


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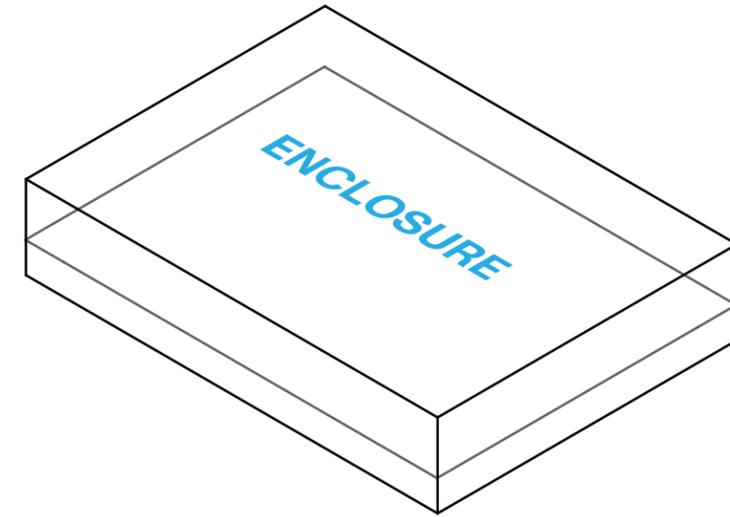




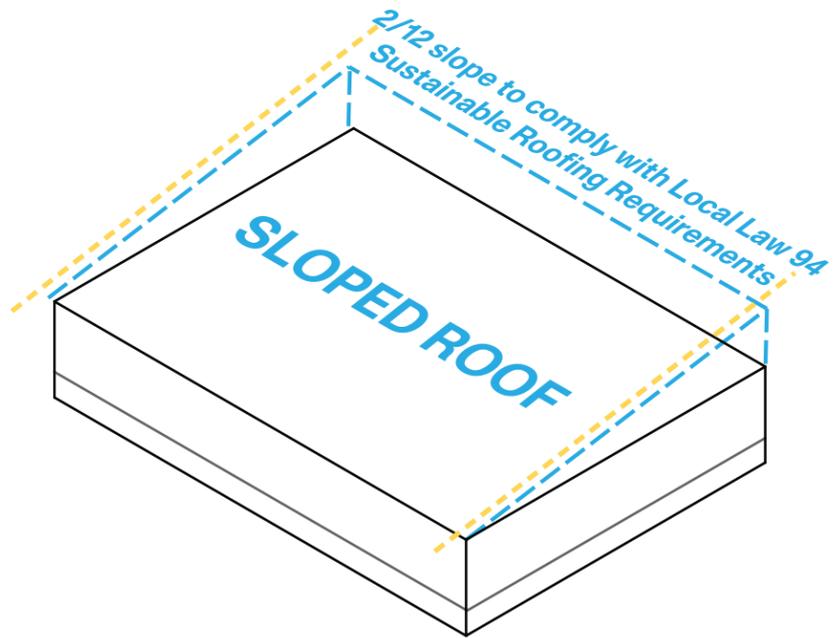
1.
Current grade on site



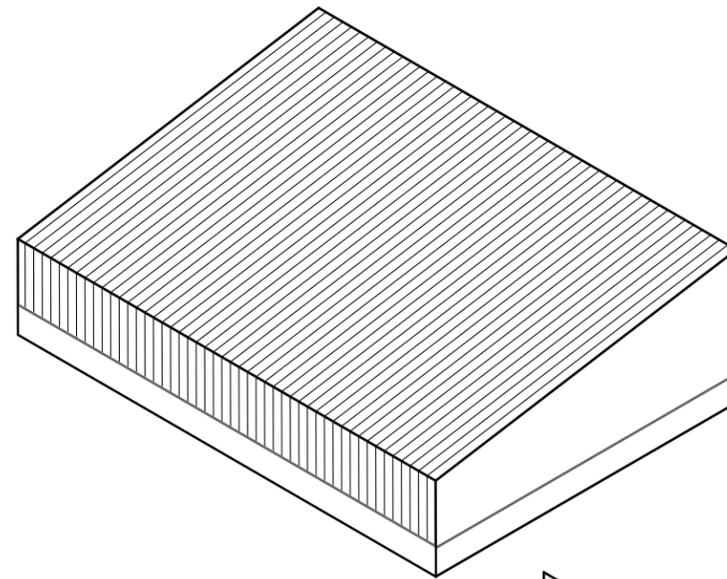
2.
Mechanical mezzanine raised to DFE elevation supported on concrete knee wall



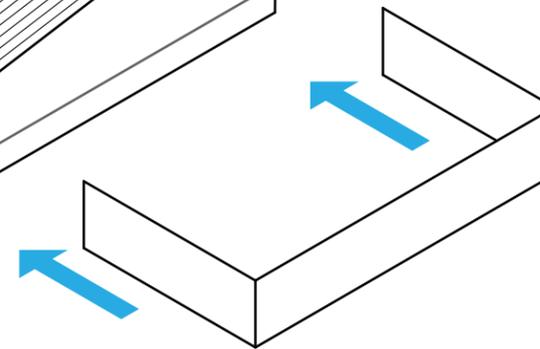
3.
Enclose equipment for new incoming utilities



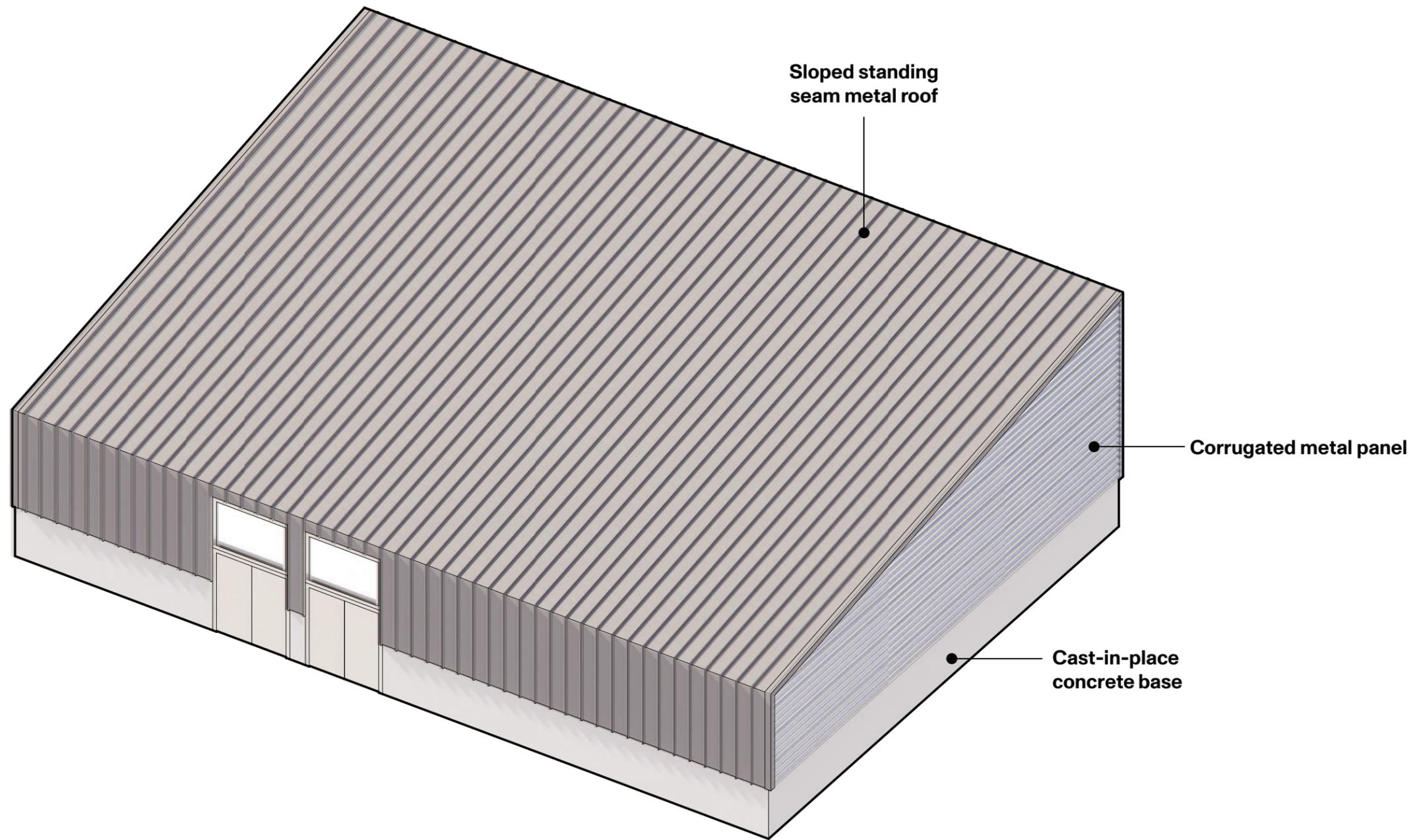
4.
Sloped roof for sustainable roofing and rainwater

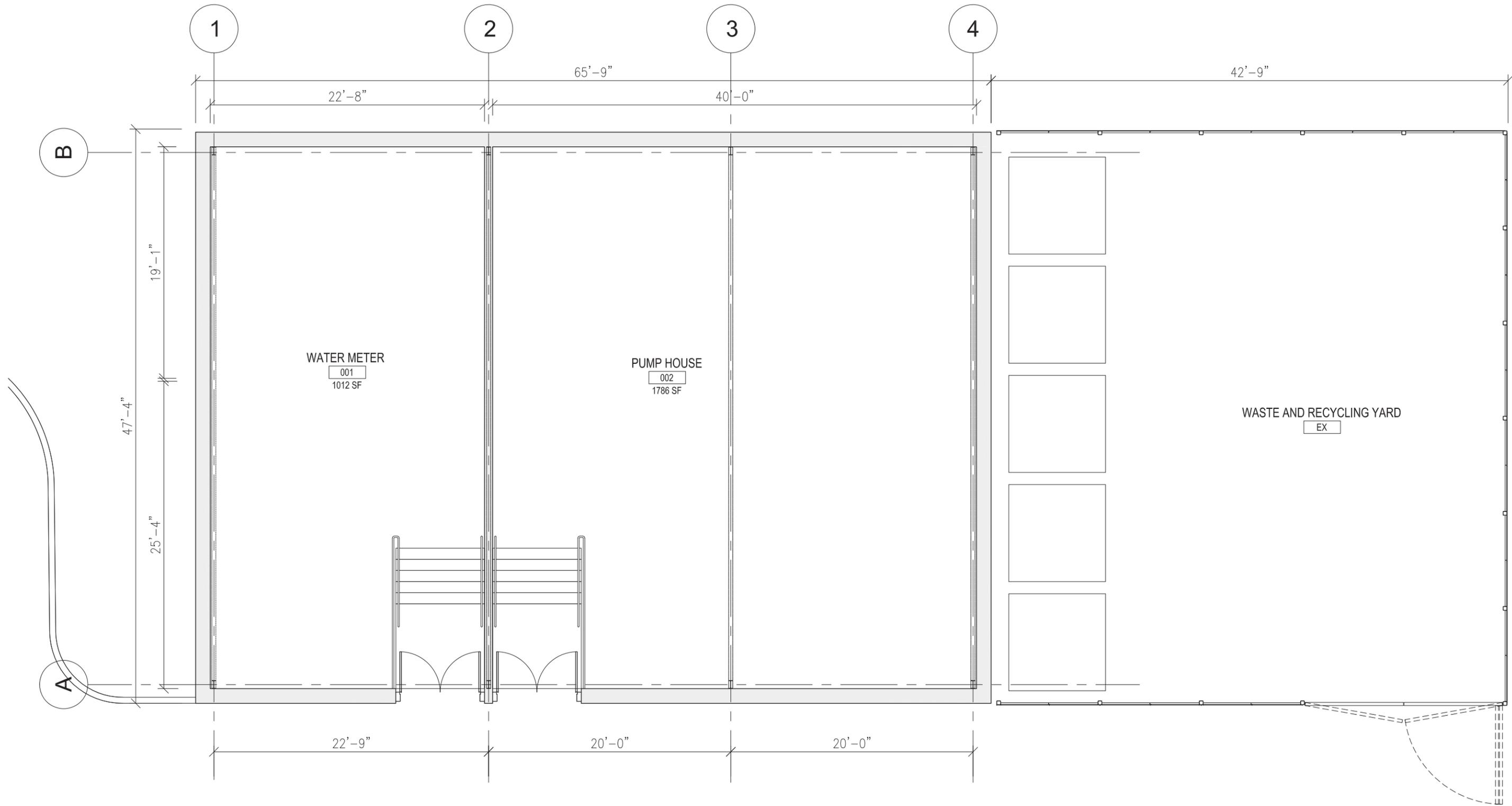


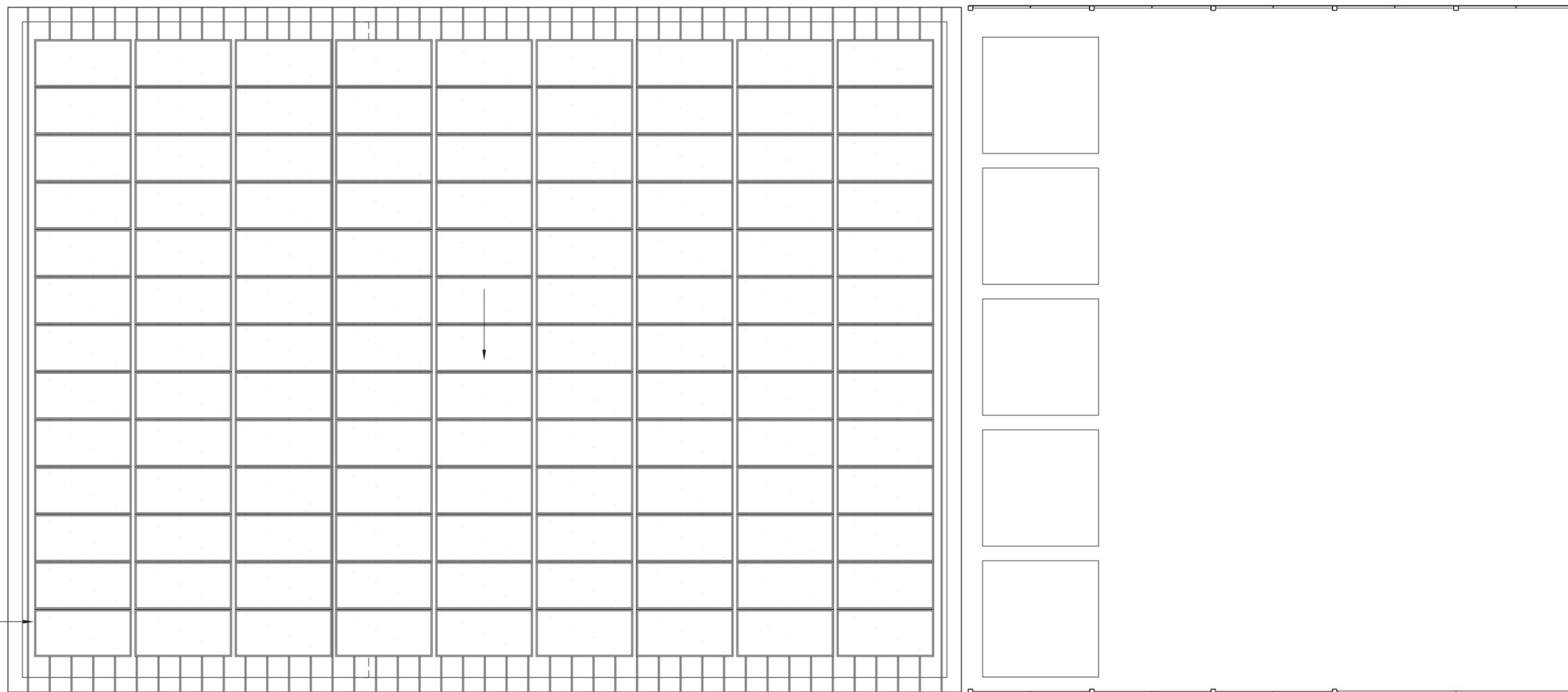
5.
Fenced enclosure for waste and recycling



6.
Facility Services Building



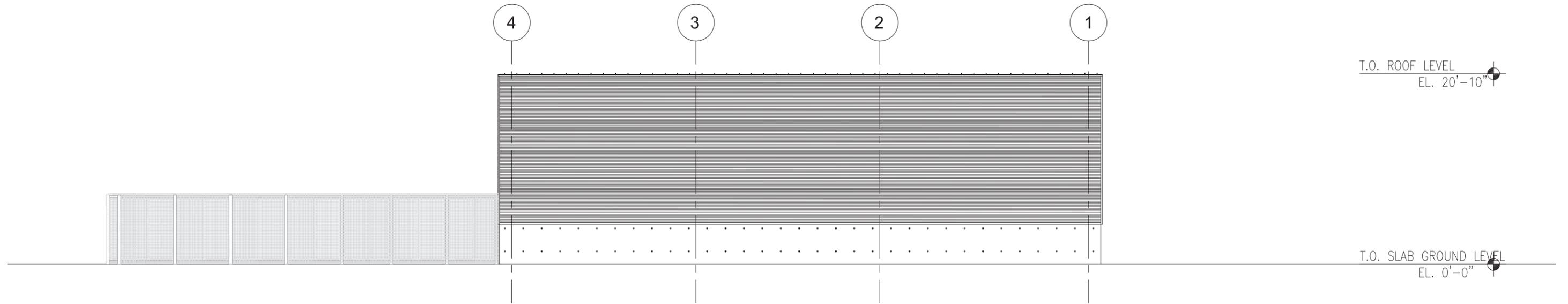




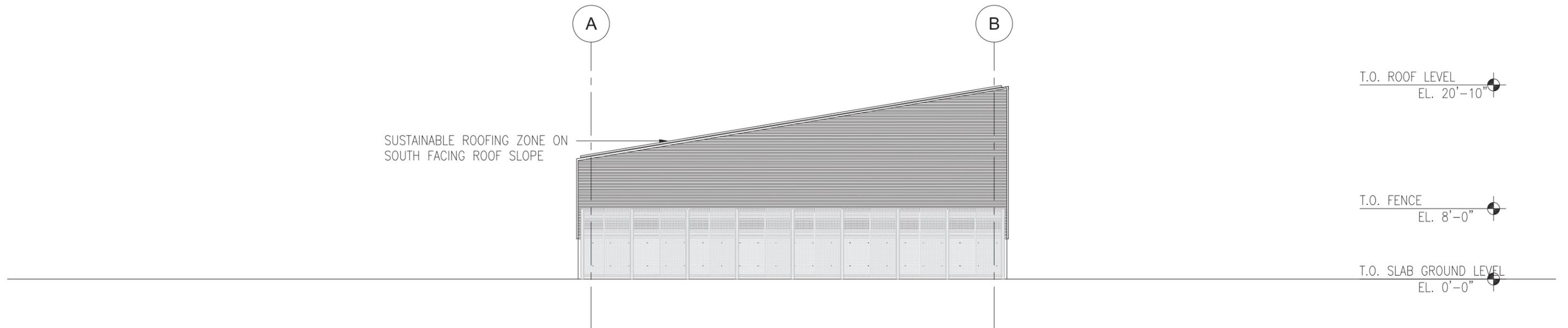
SOLAR PANEL
(117 TOTAL COUNT)



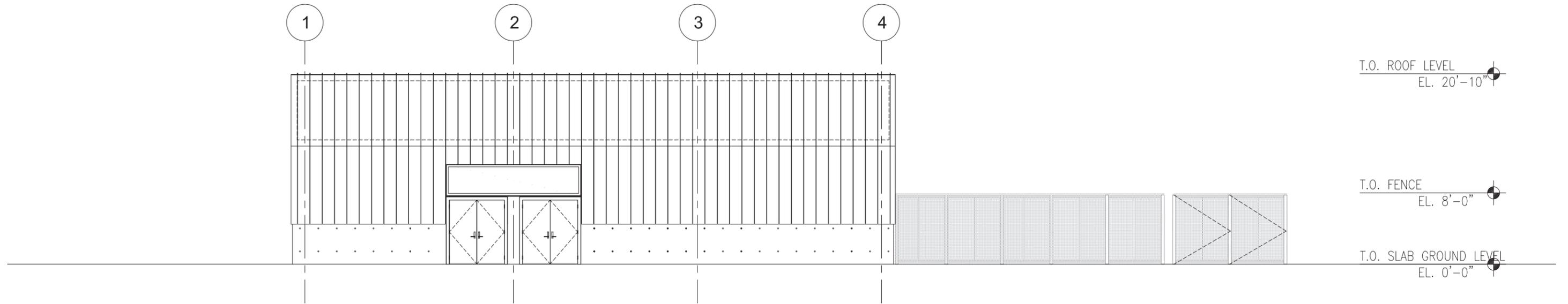
North Elevation



East Elevation



South Elevation



West Elevation

