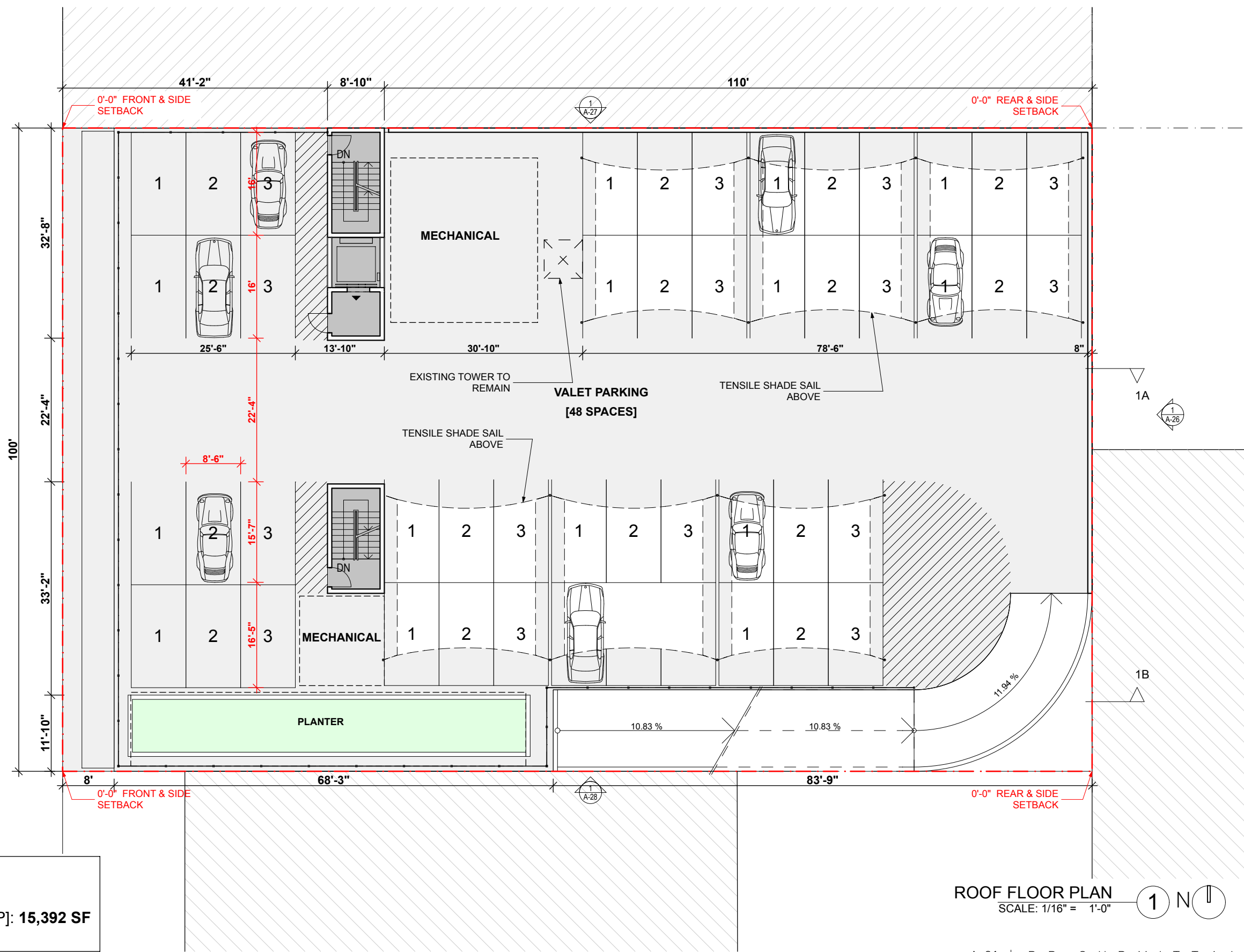
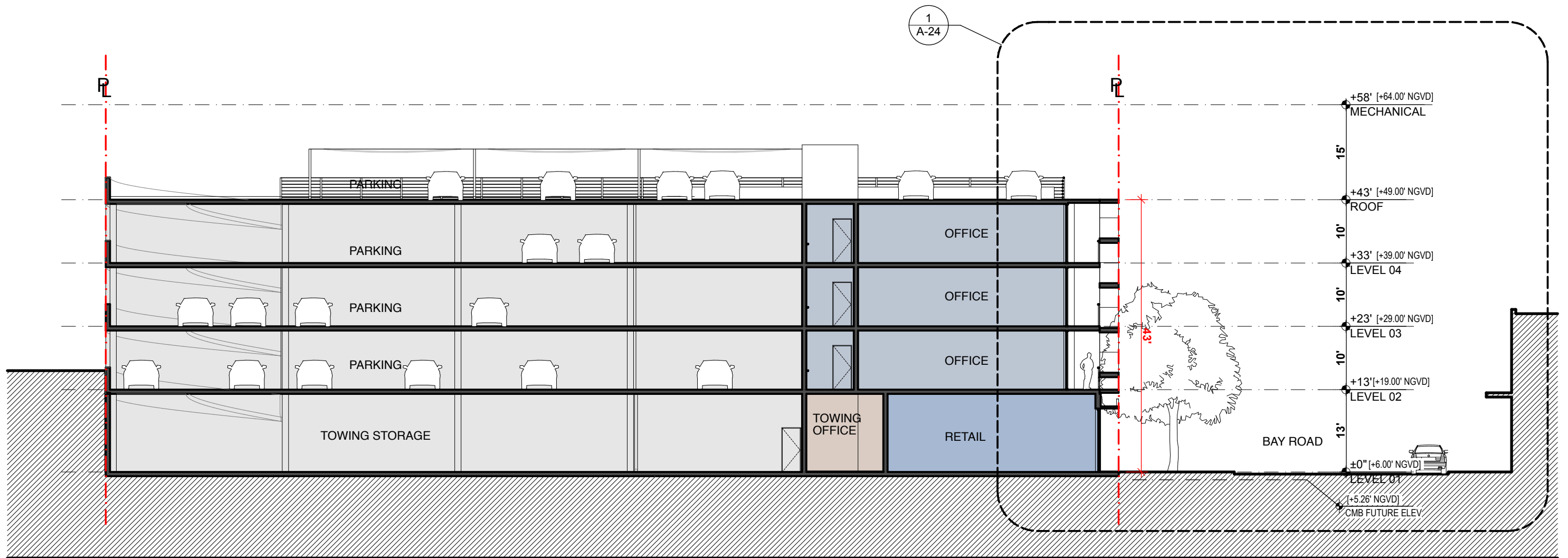


LEVEL 4 FLOOR PLAN
SCALE: 1/16" = 1'-0" 1 N



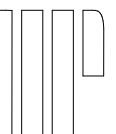
GREEN ROOF CALCULATION:
GREEN ROOF PLANTER AREA: **600 SF**
GROSS ROOF AREA [INCLUDING RAMP]: **15,392 SF**
600 SF / 15,392 SF = 4 %

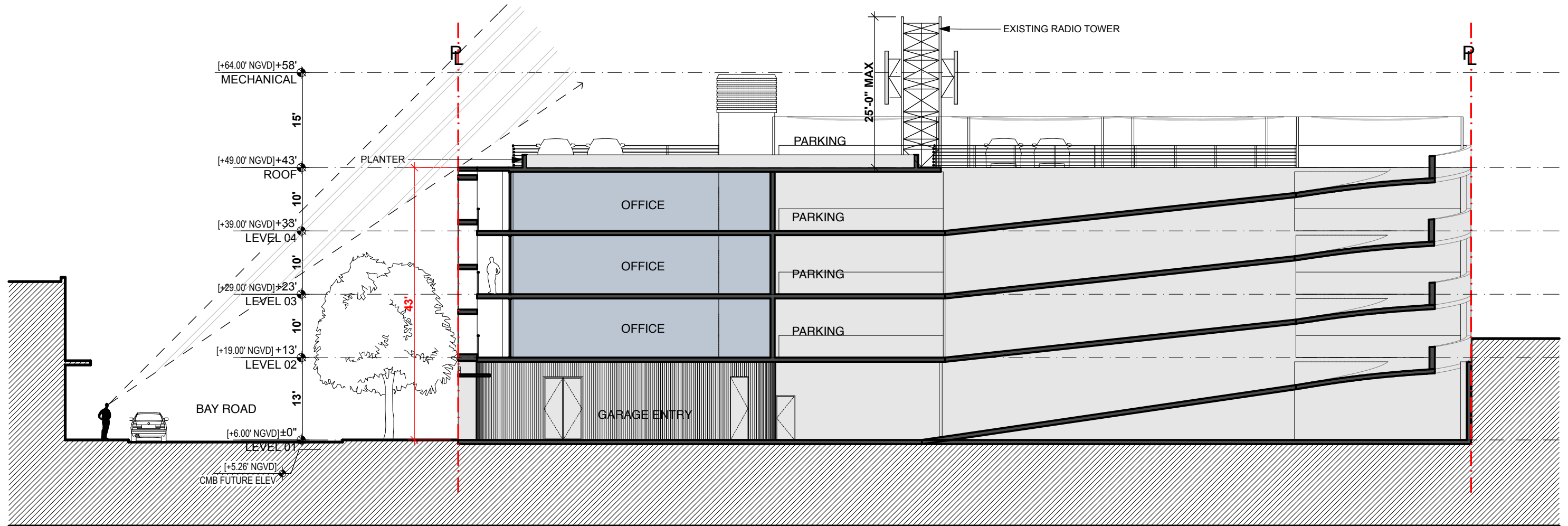
ROOF FLOOR PLAN
SCALE: 1/16" = 1'-0" **1** N



SECTION - A1
SCALE: 1/16" = 1'-0"

1

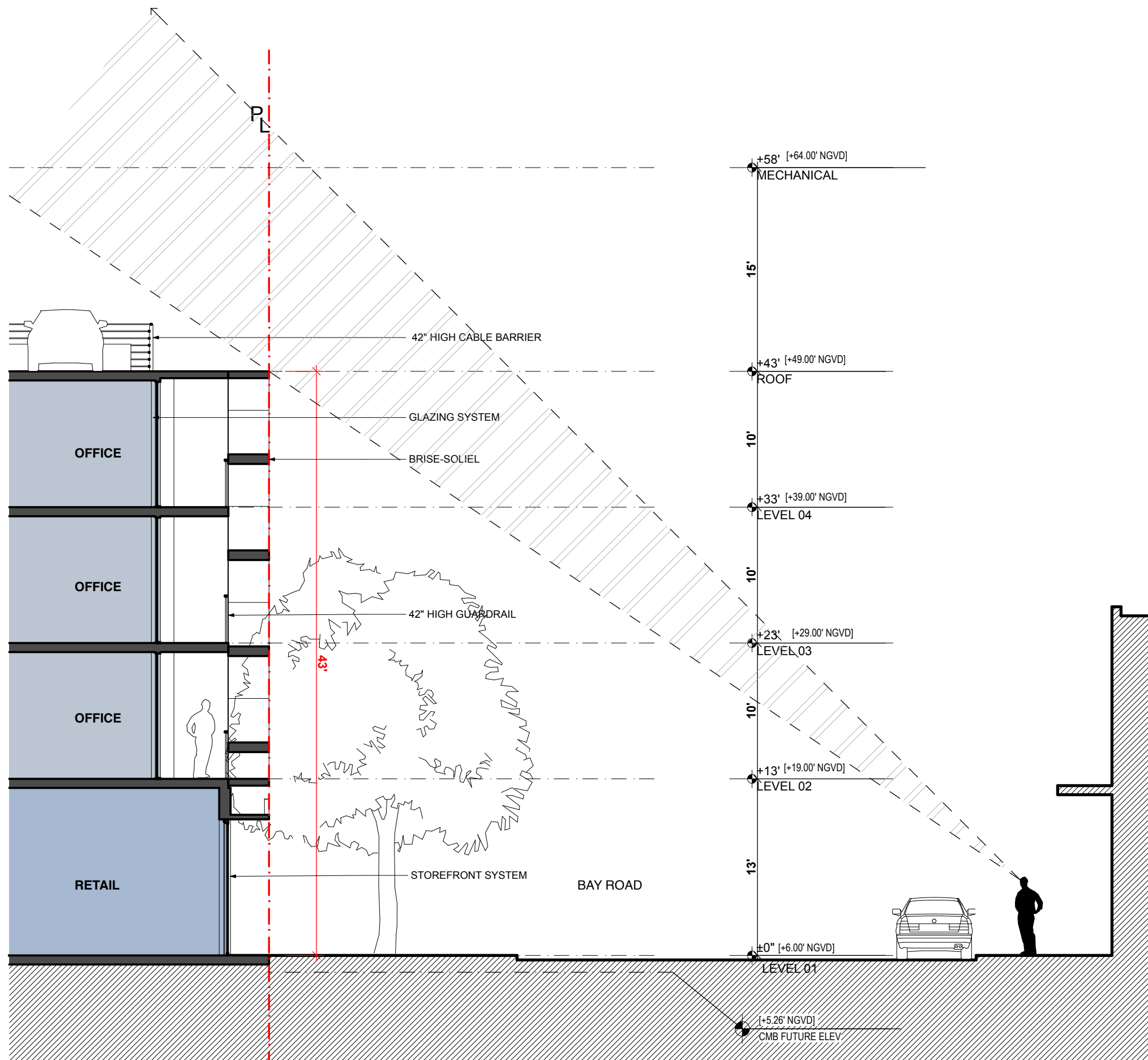




SECTION 1B
SCALE: 1/16" = 1'-0"

1





ENLARGED SECTION

SCALE: 1/8" = 1'-0"

1

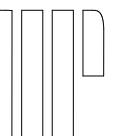
ENLARGED SECTION

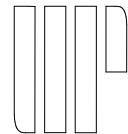
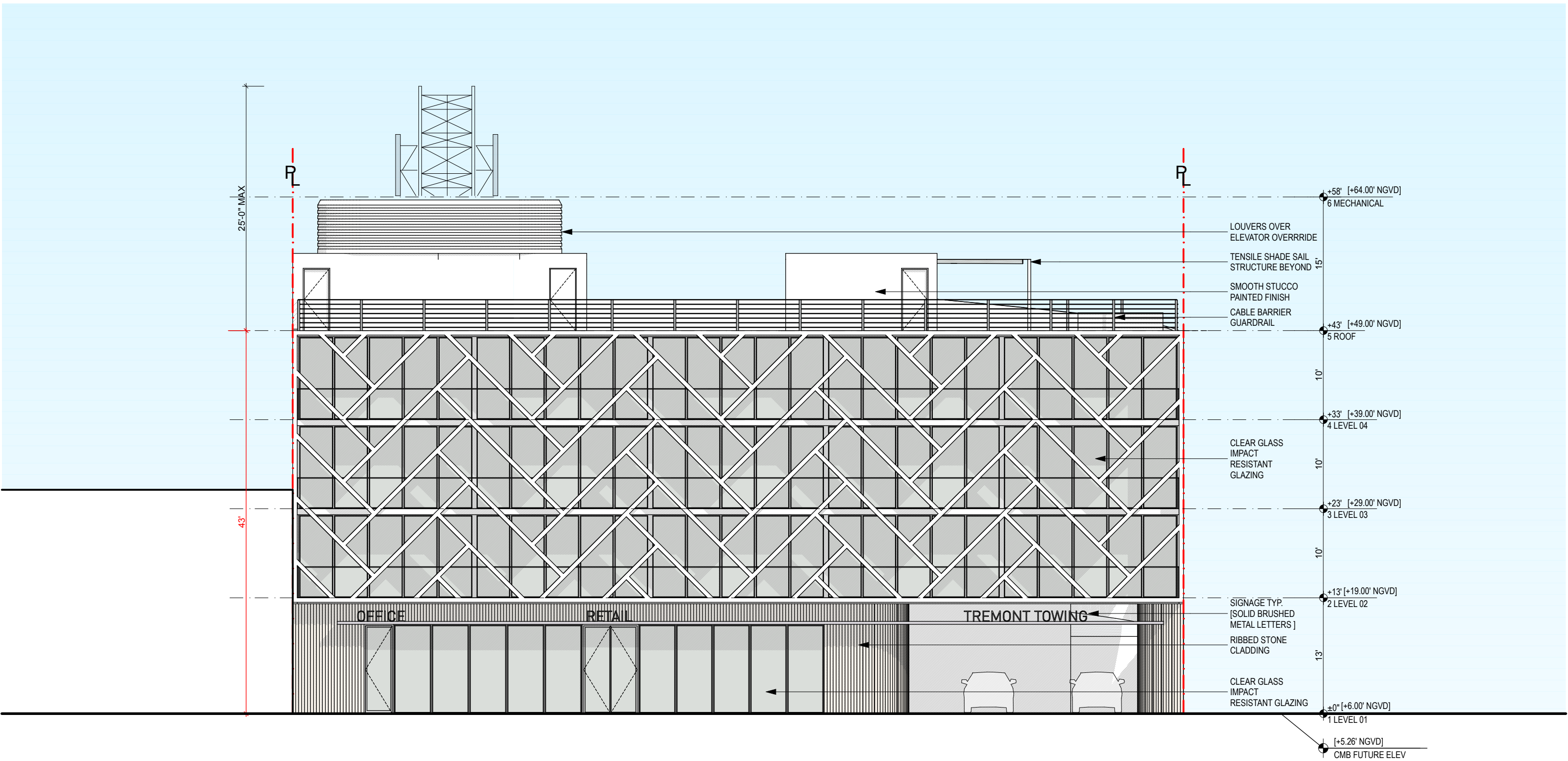
A-24

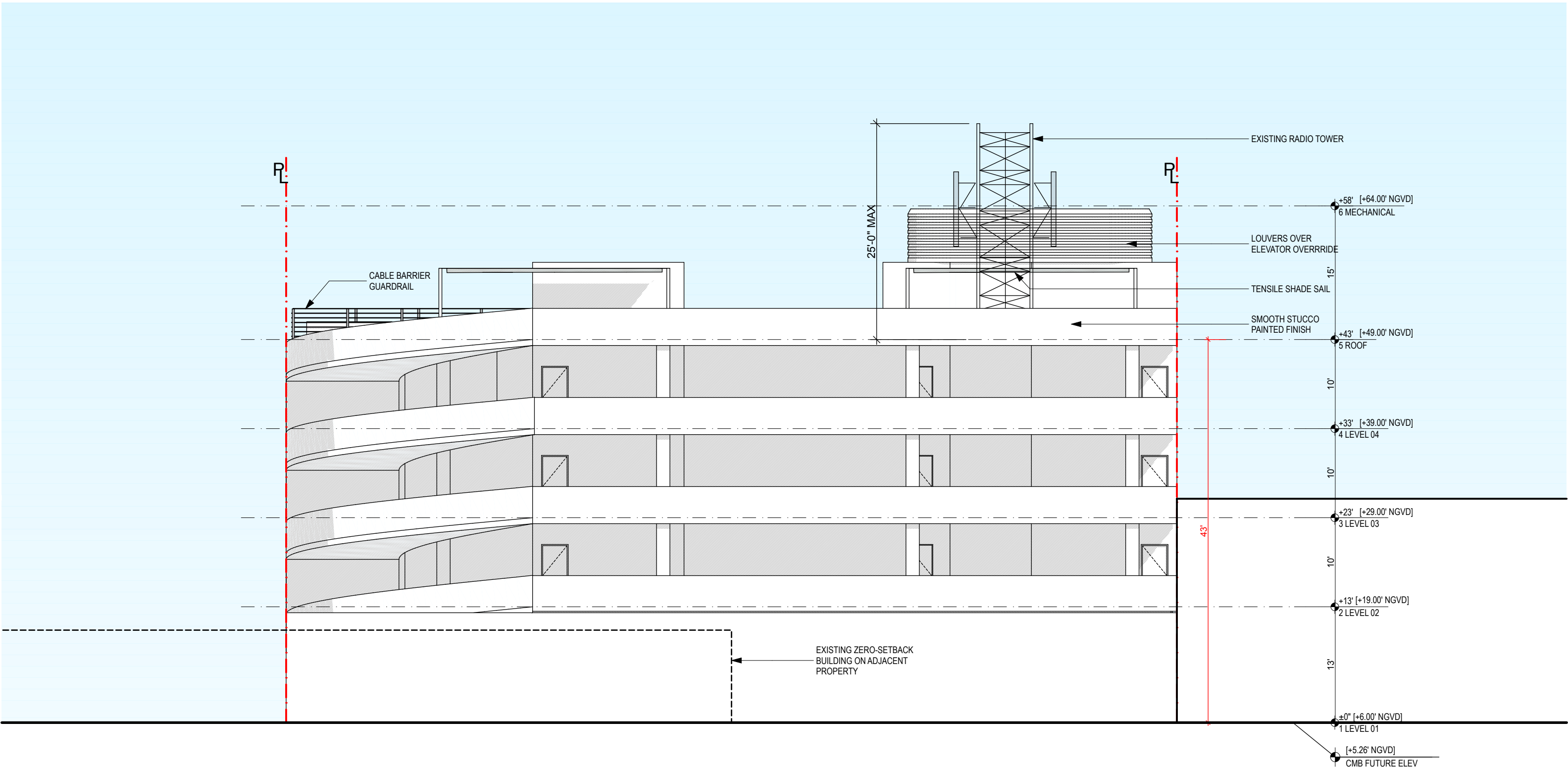
P B S U B M I T T A L

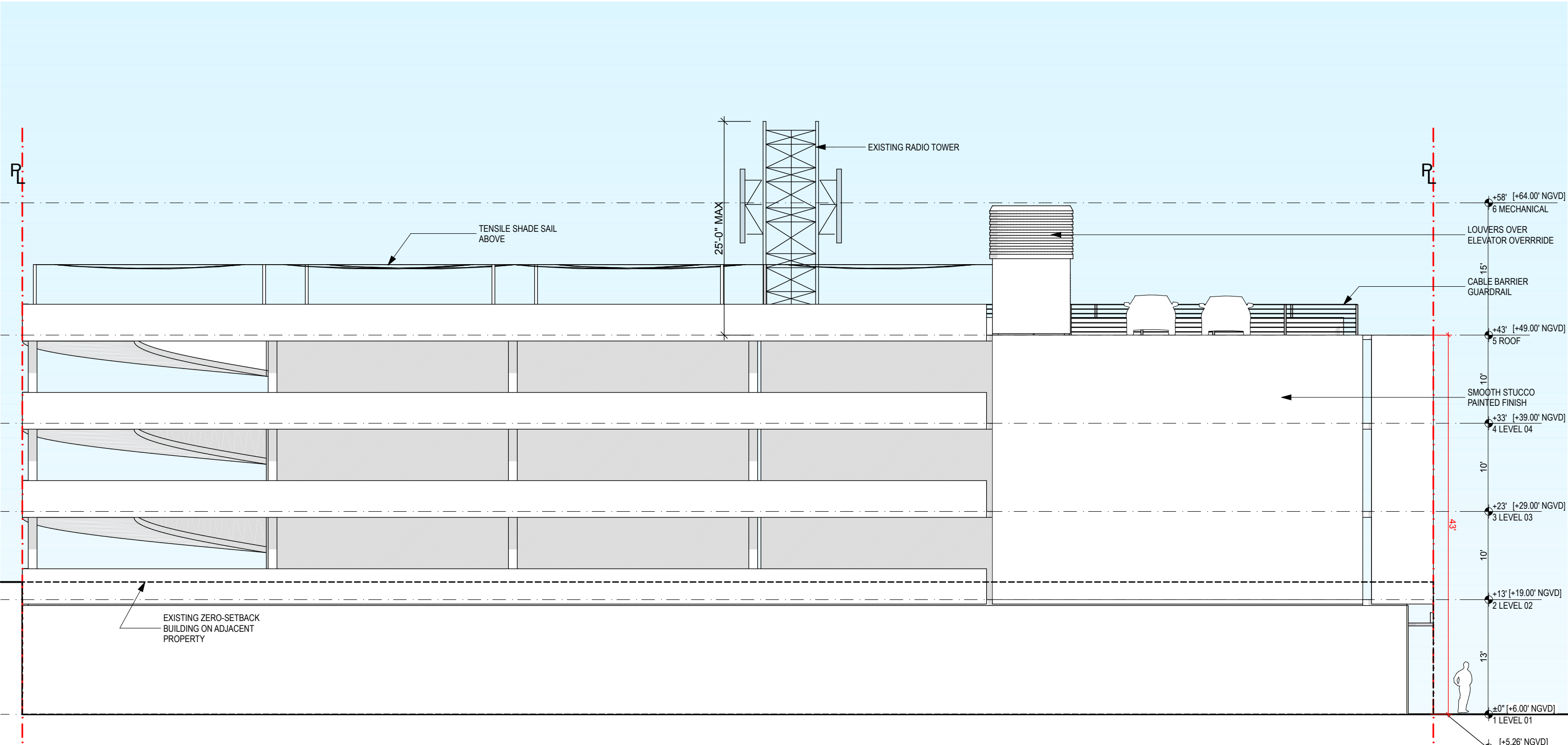
1747 BAY ROAD :: MIAMI BEACH, FL 33139

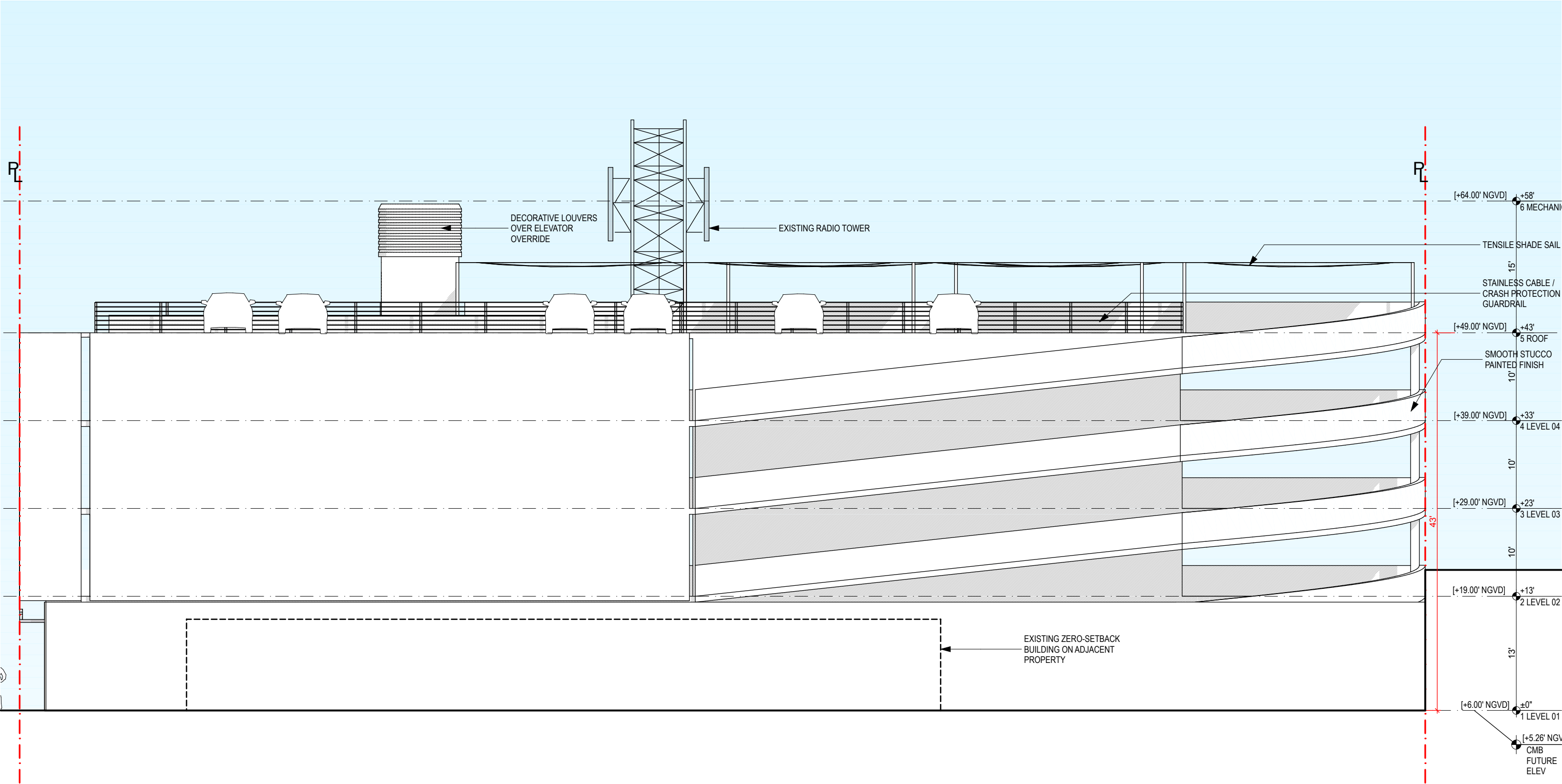
03/21/2016 URBAN ROBOT © 2016

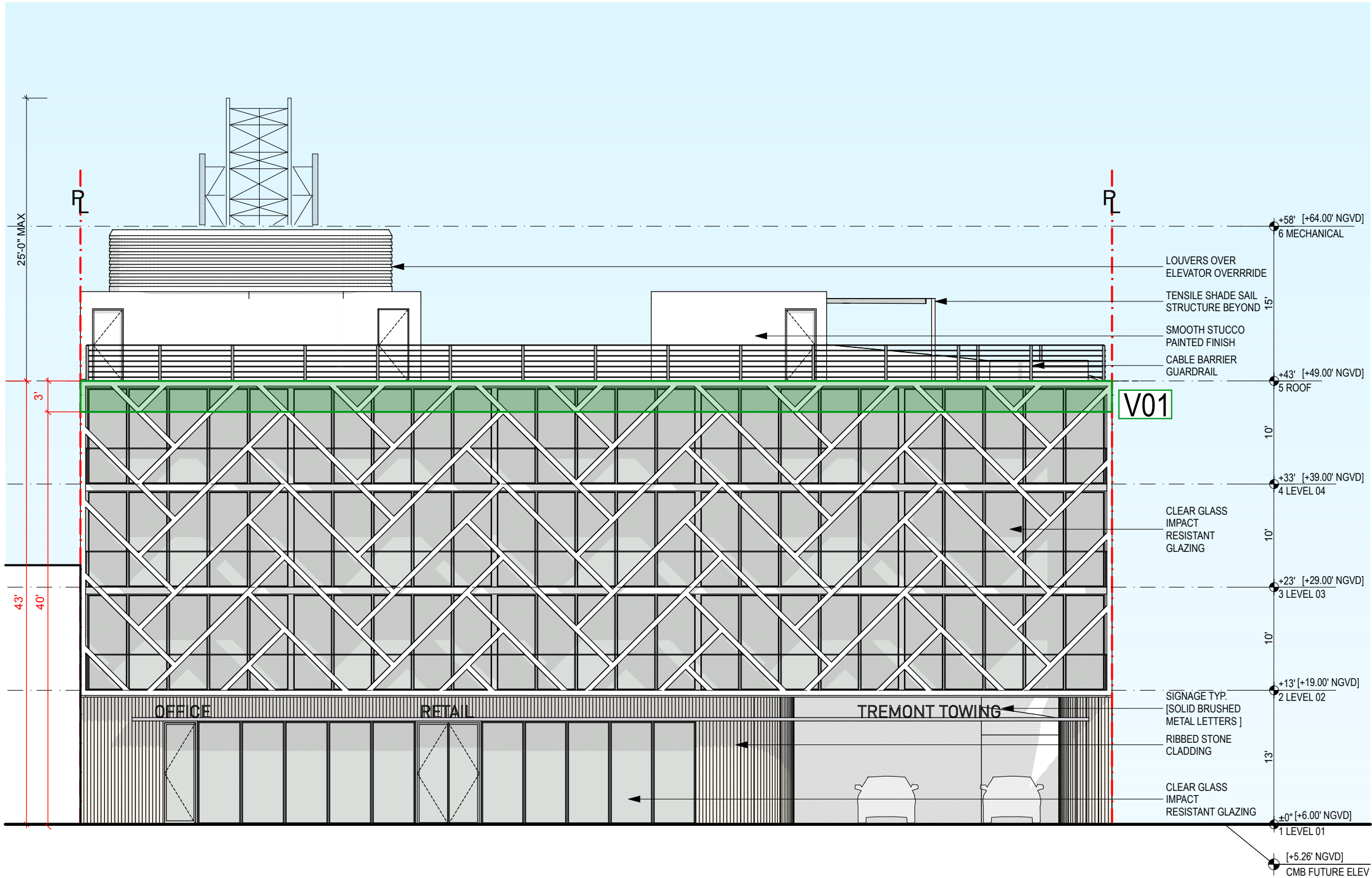








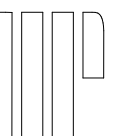
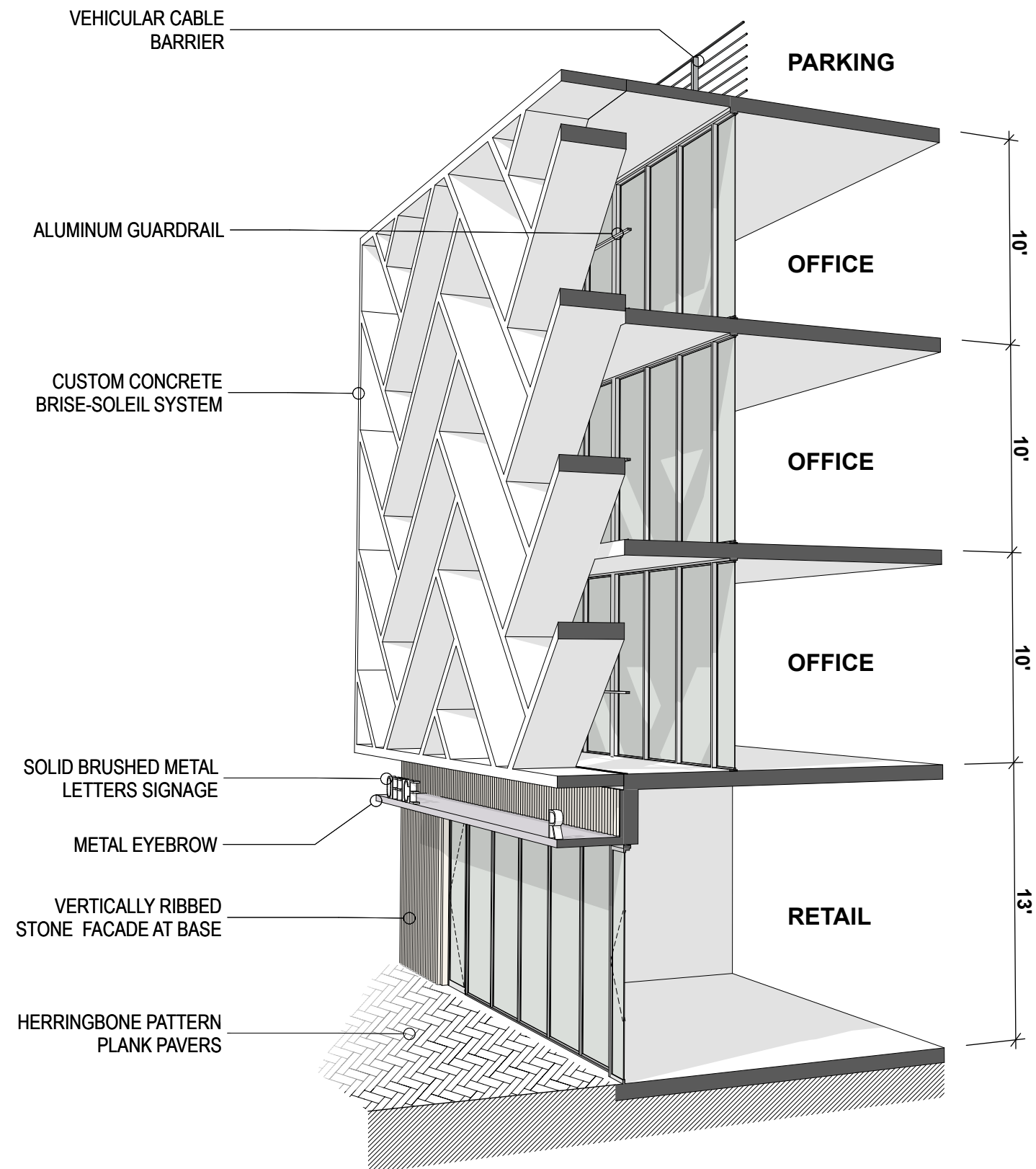




BUILDING HEIGHT				
	CODE	EXISTING	PROPOSED	VARIANCE
V01	40'-0"	-	43'-0"	3'-0"

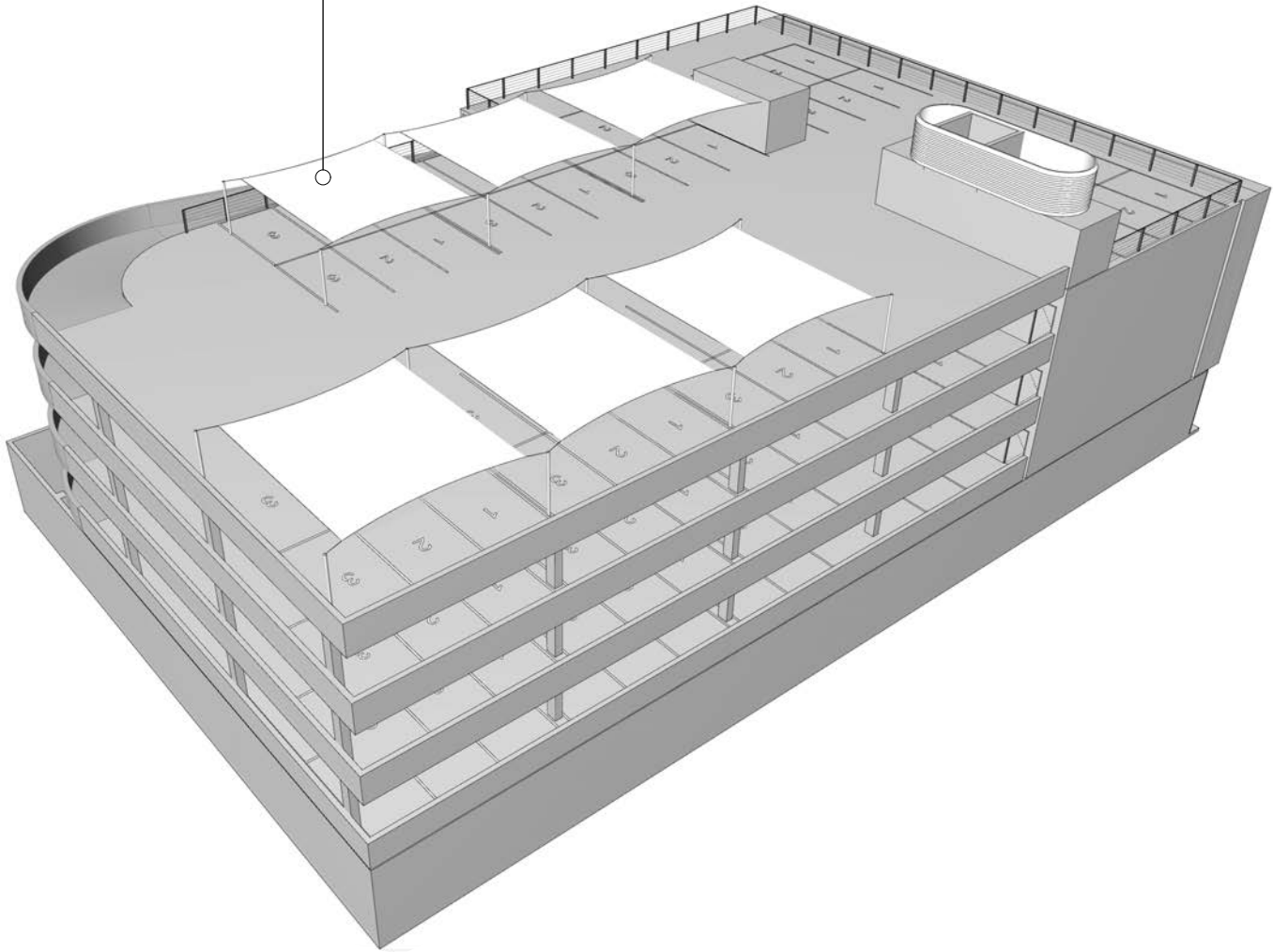
LEGEND	
- - - - -	PROPERTY LINE
	BUILDING ENVELOPE VARIANCE



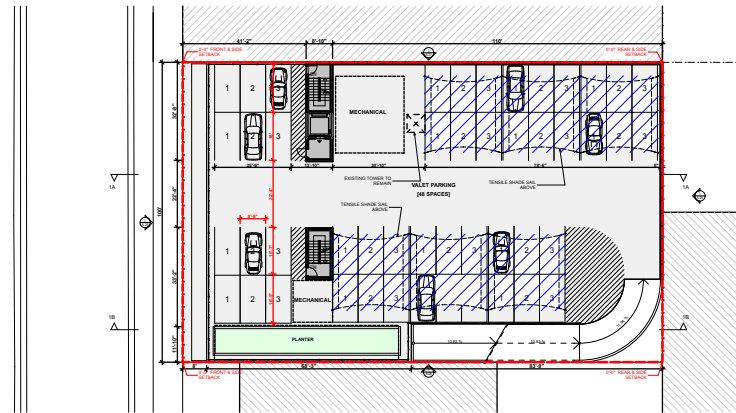




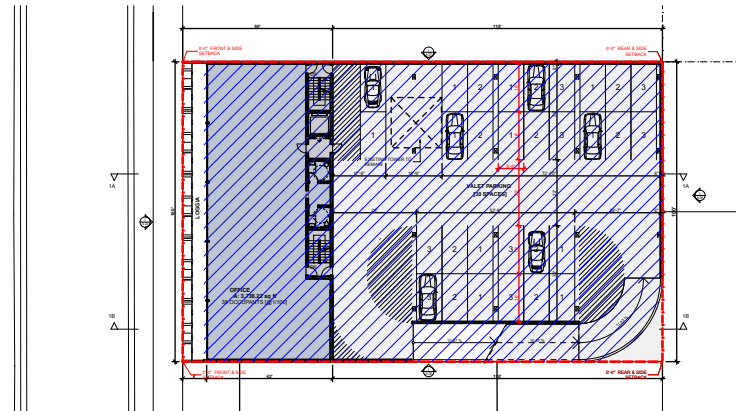
SHADE SAIL SYSTEM ON STEEL POSTS



3D ROOF AXONOMETRIC

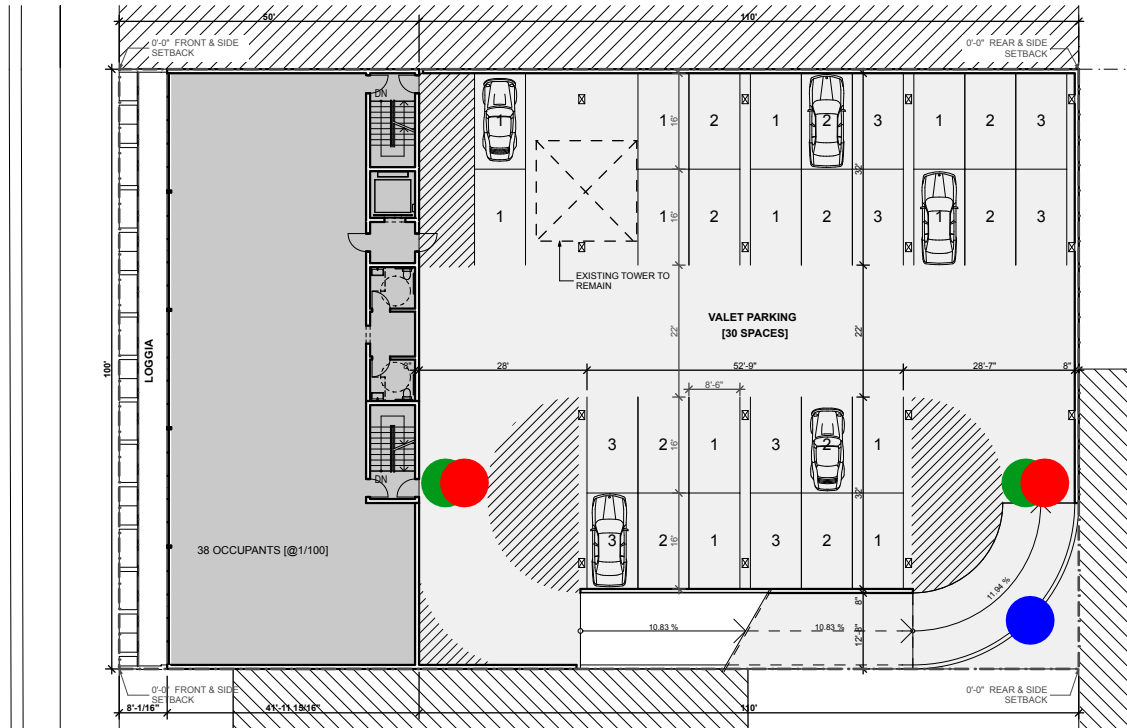


COVERAGE LEVEL ROOF - 3,140 SF
(20% OF 15,700 SF)



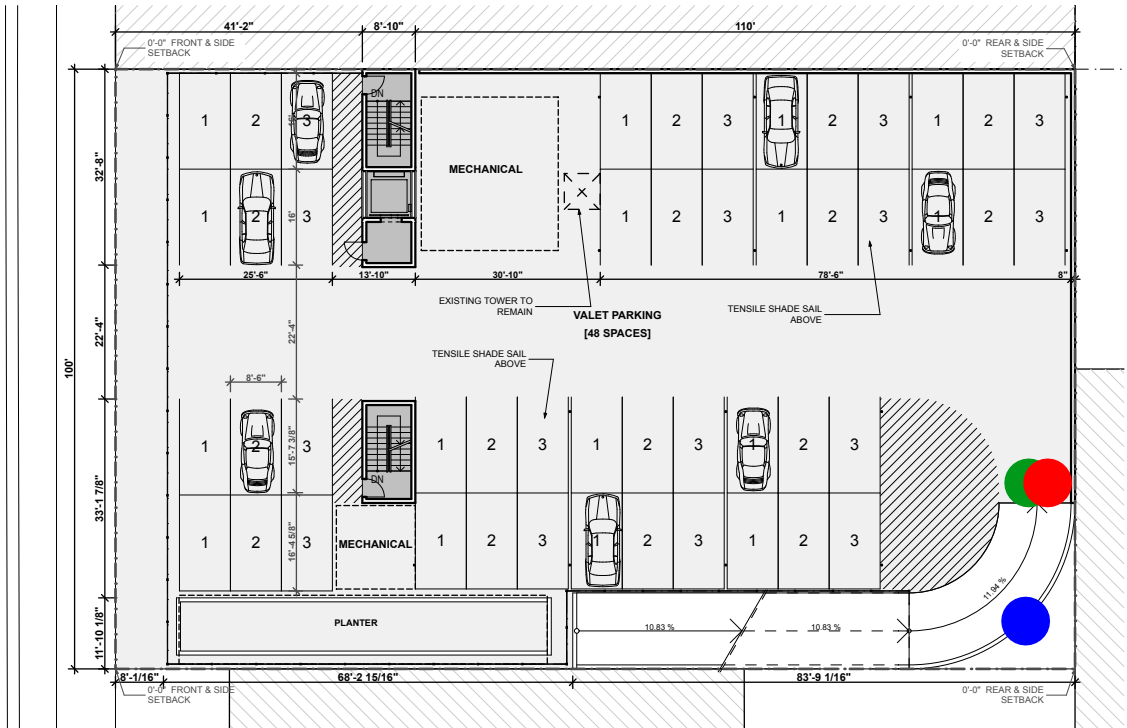
COVERAGE LEVEL 4 - 15,700 SF

CALCULATION:
SHADE SAIL COVERAGE ON ROOF:
15,700 SF X 0.2 = 3,140 SF



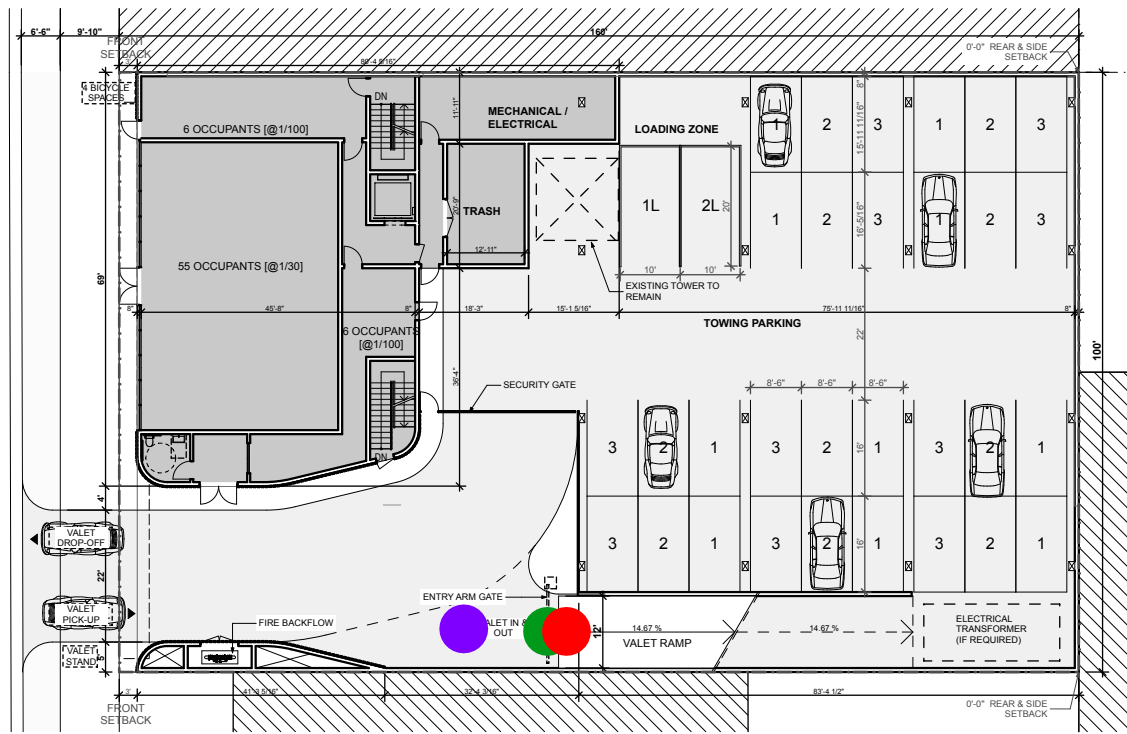
THIRD, FOURTH & FIFTH LEVEL

2



ROOF LEVEL

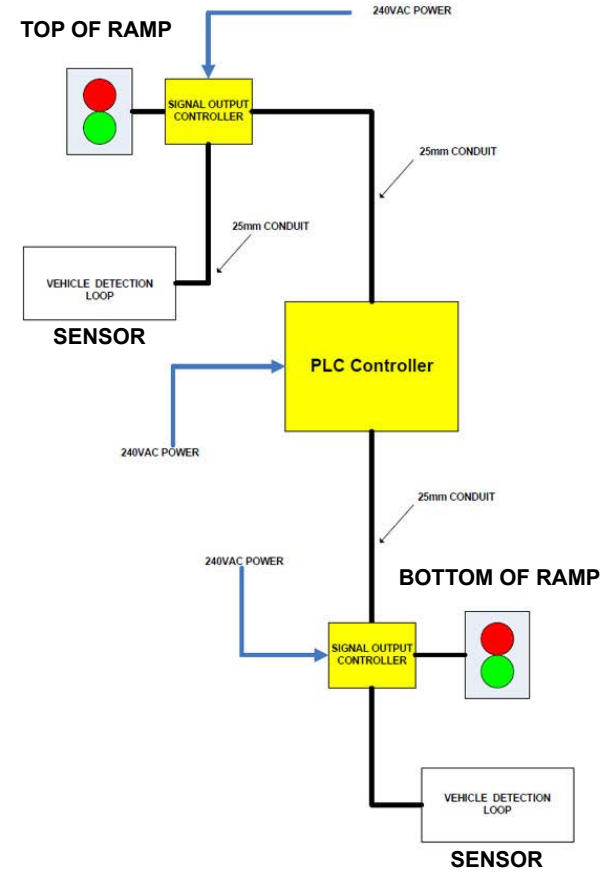
3



GROUND LEVEL

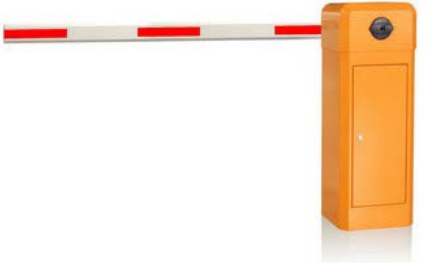
1

VEHICLE PRIORITY DIAGRAM



VEHICLE PRIORITY SYSTEM

Vehicle Priority Systems are installed in parking facilities with car park access where only a single vehicle can traverse a driveway or ramp. The use of traffic lights combined with a programmable logic controller and in ground loops enables a building to be designed with a one way ramp or vehicle access point. Vehicle Priority Systems can be combined with an access entry gate to provide a solution that restricts access to the car park and ensures additional safety of it's users.



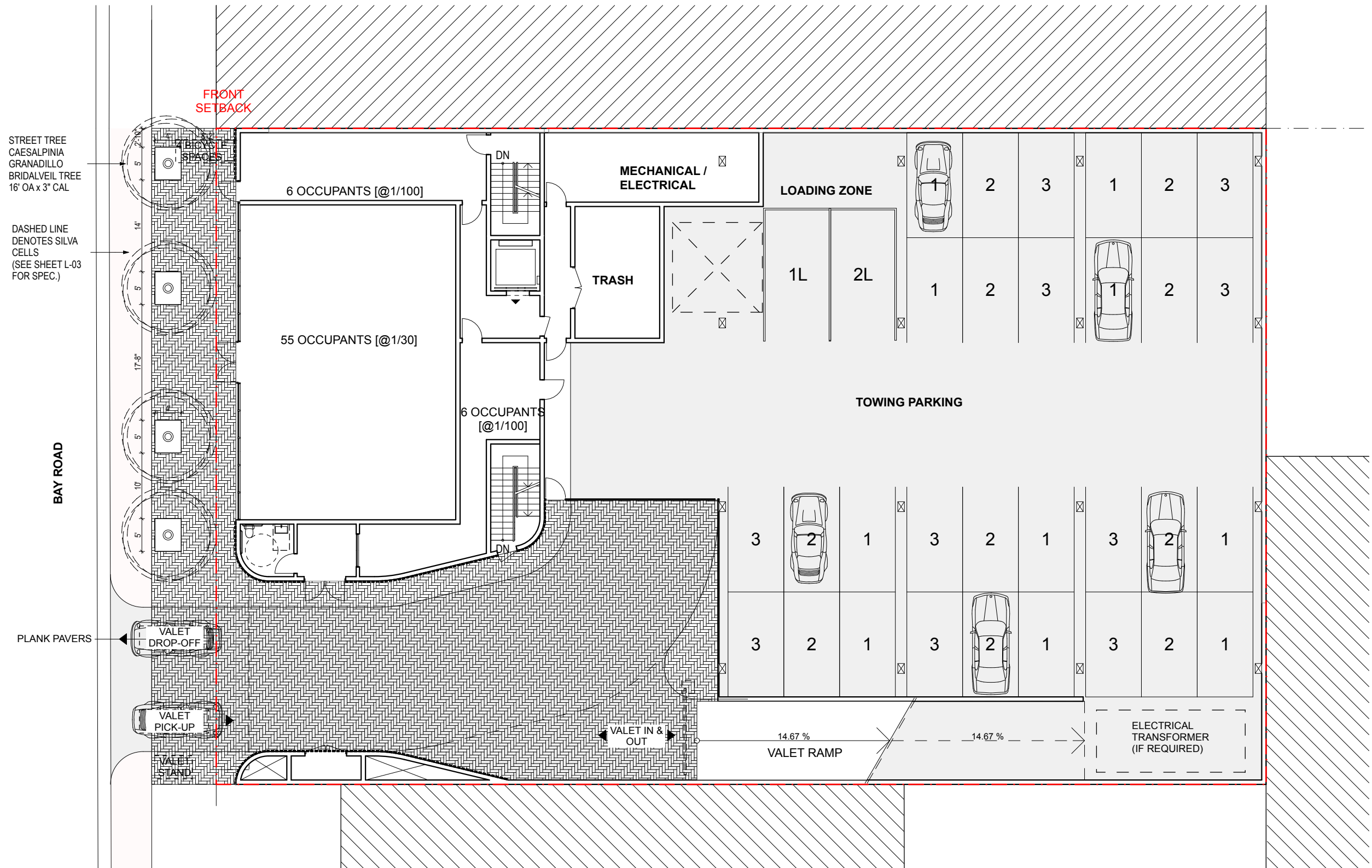
VEHICLE ENTRY BARRIER GATE



CONVEX TRAFFIC MIRROR



VEHICLE PRIORITY SYSTEM

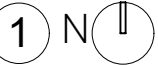


HERRINGBONE PLANK PAVERS

2

GROUND FLOOR LANDSCAPE/HARDSCAPE PLAN

SCALE: 1/16" = 1'-0"

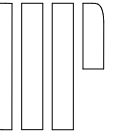


L-01 | P B S U B M I T T A L

1747 BAY ROAD :: MIAMI BEACH, FL 33139

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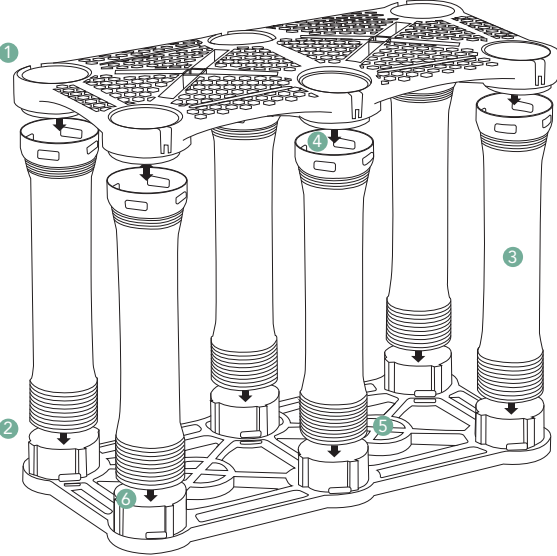
LANDSCAPE/HARDSCAPE FLOOR PLAN



SILVA CELL 2 TECHNICAL SHEET

DeepRoot’s Silva Cell 2 supports traffic loads while providing uncompacted soil volumes for large tree growth and on-site stormwater management. The modular framework provides unlimited access to healthy soil — a critical component of tree growth in urban environments — allowing them to manage stormwater, reduce heat-island effect, and improve air quality.

Silva Cells can be used to create underground bioretention systems; they are easily sized to absorb stormwater on-site through soil storage, interception, and evapotranspiration. Trees and soil also offer many water quality benefits, including removal of dissolved nutrients, hydrocarbons, and total suspended solids (TSS).



1 Deck
The top piece of the assembly. The deck is permeable, with wide openings that allow water to easily pass through to soil below. High fit tolerance; removable and reusable.

2 Base
The bottom portion of the Silva Cell 2 assembly.

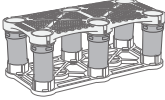
3 Post
The posts transfer paving loads vertically downward to a compacted sub-base. They are available in two sizes - 1x and 2x - that snap together to form 3x, the tallest.

4 Secure Connections
Different post sizes snap together to form different heights based on the needs of your site.

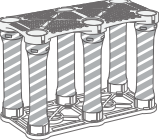
5 Footpad
Footpad offers a safe and convenient way to walk through the system during installation.

6 Base Cup
Posts snap into base cups with a quarter turn.

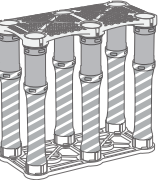
1X Stack



2X Stack



3X Stack



Loading: Supports vehicle loading equal to 32,000 lbs (14,500 kg) per axle, which allows use in areas that accommodate 3 - 4 axle vehicles such as those used for emergency, delivery, and maintenance. Generally meets AASHTO HS-20 (USA), CSA-S6, 87.5 and OBC 54KN (Canada), and BS EN 1991-1-1:2002 and BS EN 1991-1-2:2003 (UK) loading standards when used with standard paving profiles.

Utilities: 14" (355 mm) apertures easily accommodate new or existing utilities.

Stormwater in/out: Totally open interior allows for easy movement of water into and out of the system.

Installation: All parts snap or twist together; no additional pieces required.

Rooting: Vertically and horizontally contiguous soil ideal for spread of tree roots.

Structurally independent: Each stack stands alone; affected area of system easily isolated if utility (service) repairs are necessary.

MATERIAL SPECIFICATIONS & TESTING

Deck: fiberglass reinforced, chemically-coupled, impact modified polypropylene.

Post and base: homopolymer polypropylene.

Proof-load tested and FEA analysis completed at an independent facility. Detailed engineering report available soon.

BASE DIMENSIONS

Length: 48" (1200 mm)

Width: 24" (600 mm)

CAPACITY (1x)

Soil: approximately 10 ft³ (.28 m³)

Water storage: approximately 2 ft³ (.05 m³)

DECK DIMENSIONS

Length: 48" (1200 mm)

Width: 24" (600 mm)

LEG HEIGHTS

1x: 16.7" (424 mm)

2x: 30.9" (784 mm)

3x: 43.0" (1092 mm)

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