

Cambridge, Massachusetts

Design Review Application – Parcel I Residential



Presented by:

DW NP Property, LLC c/o DivcoWest Real Estate Investments 200 State Street, 12th Floor Boston, MA 02109



Prepared by:

Beals and Thomas, Inc. Reservoir Corporate Center 144 Turnpike Road Southborough, MA 01772

In collaboration with:

CBT Architects
Galluccio & Watson, LLP
Goulston & Storrs PC
Michael Van Valkenburgh Associates, Inc.

Submitted in Compliance with the City of Cambridge Zoning Ordinance and M.G.L. c.40A

May 23, 2018



Reservoir Corporate Center 144 Turnpike Road Southborough, MA 01772-2104 T 508.366.0560 F 508.366.4391 www.bealsandthomas.com Regional Office: Plymouth, MA

May 23, 2018

Mr. H. Theodore Cohen, Chair Cambridge Planning Board 344 Broadway Cambridge, MA 02139

Via: Hand Delivery

Reference: Cambridge Crossing Parcel I Residential Design Review Application

PB #179

Cambridge, Massachusetts B+T Project No. 2084.56

Dear Chairman Cohen and Members of the Board:

On behalf of the Applicant, DW NP Property, LLC (an affiliate of DivcoWest), Beals and Thomas, Inc., respectfully re-submits this Design Review Application for Parcel I Residential (the Site), which is part of the larger Cambridge Crossing (formerly known as NorthPoint) development. The proposed development on Parcel I Residential is proposed to contain a residential building containing approximately 475 to 500 dwelling units comprising approximately 390,000 sf of Gross Floor Area (GFA). Parcel I is located entirely within Cambridge.

As shown on the master plan included as part of this Application, the Site is bounded by Dawes Street to the north, Parcel I open space to the west, Parcel I Retail to the south, and North First Street to the east.

The Site is currently undeveloped vacant land. Parcel I is one of twenty (20) building parcels in the Cambridge Crossing mixed-use development. To date, condominium buildings on Lot S and Lot T, a rental residential building on Lot N, North Point Common, Child Street Park and related infrastructure and other public amenities (including the Brian P. Murphy Memorial Staircase) have been constructed at Cambridge Crossing. In addition, Parcel JK has obtained Design Review approval in Cambridge and Somerville, and building permit applications have been procured in both cities. The Parcel JK building is currently under construction. The surrounding roadway network was approved by the Planning Board on September 2, 2016, as part of Major Amendment #6, and is currently under construction.

The Parcel I Residential building contains approximately 475 to 500 dwelling units and $\pm 390,000$ sf of GFA. The building is proposed to be 20 stories of occupied floors with two (2) stories of mechanical penthouse. The proposed building will be 220 feet in height, based on the Cambridge definition of building height. Approximately 238 to 250 parking spaces are proposed for Parcel I Residential, all of which will be internal to the building. Approximately 499 to 525 total bicycle parking spaces will be provided on-site.

Mr. H. Theodore Cohen, Chair Cambridge Planning Board May 23, 2018 Page 2

A total of 73 short-term bicycle parking spaces will be provided on-site, which includes those located as part of Parcel I Residential, Parcel I Retail, and Parcel I Open Space.

In addition, the Applicant intends to subdivide the Parcel in the manner depicted on the enclosed Draft Subdivision Plan prepared by Beals & Thomas, Inc., dated December 21, 2016, and last updated February 23, 2018, to create three (3) separate parcels within what is now Parcel I: Parcel I-1, I-2, and I-3. The final subdivision plan will be submitted at a later date for approval and endorsement by the Planning Board.

As part of this application, we have included fifteen (15) copies, as well as a flash drive containing an electronic version, of the following materials for review by the Cambridge Planning Board:

- Site Plans;
- Floor Plans and Building Sections;
- Architectural Elevations;
- A Zoning Compliance Summary;
- LEED/Green Building Compliance Summary;
- Shadow Study;
- Complete Wind Study;
- Acoustical Report and Noise Mitigation Narrative;
- Preliminary Signage Plan;
- Compliance Checklist Zoning Ordinance and NorthPoint Design Guidelines;
- Materials showing the cross-sections of abutting streets;
- Subdivision Plan, previously approved by the Cambridge Planning Board; and
- Draft Subdivision Plan.

There are no changes proposed to the approved uses on the Site nor are there any changes to the layout of roads serving the Site from that shown on the approved 40-scale Roadway Network Schematic Plan.

The Cambridge Crossing team is excited to meet with the Planning Board to review and discuss the evolution of design of the proposed project. Thank you for your consideration of the enclosed.

Very truly yours,

BEALS AND THOMAS, INC.

John P. Gelcich, AICP

Senior Planner

JPG/mac/208456PT001C



CAMBRIDGE CROSSING

DEVELOPMENT STATUS TABLE

Phase 1a

Building	Use(s)	Approved GFA per Special Permit Appendix I	GFA approved in thru Design Review	Project Status (i.e., Special Permit, Design Review Completed, Under Construction, Construction Completed)				
N	Residential	394,000	394,0001	Construction Completed. Occupied.				
111	Retail	8,600	8,600	Construction Completed. Occupied.				
S	Residential	112,398	112,398	Construction Completed. Occupied.				
T	Residential	242,194	242,194	Construction Completed. Occupied.				
JK	Office/Laboratory	370,000 Total	351,192	Under construction.				
	Retail	TBD	14,700	Under construction.				
W	Retail	18,000	16,337	Design Review Complete.				
Q1	Retail	17,675 ²	17,675	Minor Amendment Approved for GFA Increase. Revised Design Review to be submitted.				
L	Residential	286,000 Total		Special Permit approval. Design Review timing TBD.				
L	Retail	TBD (Allowed)		Special Permit approval. Design Review timing TBD.				
M	Residential	208,400 Total		Special Permit approval. Design Review timing TBD.				
M	Retail	TBD (Required)		Special Permit approval. Design Review timing TBD.				
Ţ	Residential	390,000 Total		Special Permit approval. Design Review timing TBD.				
Ι	Retail	TBD		Special Permit approval. Design Review timing TBD.				

 ${1\atop \ \ \, } \ Development\ of\ Parcels\ N,\ S\ and\ T\ was\ completed\ before\ issuance\ of\ Major\ Amendment\ No.\ 6,\ and,\ therefore,\ the\ revision\ of\ Appendix\ I.\ As\ a\ result,\ Appendix\ I\ reflects\ the\ as-built\ GFA\ of\ each\ of\ N,\ S\ and\ T.$

² Increased by Amendment No. 7 (Minor) from 14,000 square feet of GFA to 17,675 square feet of GFA.

Phase 1b

Building	Use(s)	Approved GFA per Special Permit Appendix I	GFA approved in thru Design Review	Project Status (i.e., Special Permit, Design Review Completed, Under Construction, Construction Completed)
G	Office/Laboratory	410,000	451,000	Special Permit approval. Design Review Submitted. Design Review completed in Boston.
Н	Office/Laboratory	375,000	347,600	Special Permit approval. Design Review Submitted. Design Review completed in Boston.
EF	Office/Laboratory	400,000 Total	410,590	Special Permit approval. Design Review submitted in Somerville.
EF	Retail	TBD		Special Permit approval. Design Review submitted in Somerville.
С	Mixed-Use	348,000		Special Permit approval. Design Review timing TBD.
U	Office/Laboratory	320,000		Special Permit approval. Design Review timing TBD.

Phase 2

Building	Use(s)	Approved GFA per Special Permit Appendix I	GFA approved in thru Design Review	Project Status (i.e., Special Permit, Design Review Completed, Under Construction, Construction Completed)
A	Residential	175,000		Special Permit approval. Design Review timing TBD.
В	Residential	373,000 Total		Special Permit approval. Design Review timing TBD.
Б	Retail	TBD (Allowed)		Special Permit approval. Design Review timing TBD.
D	Mixed Use	340,000		Special Permit approval. Design Review timing TBD.
02	Office/Laboratory	147,387 Total		Special Permit approval. Design Review timing TBD.
Q2	Retail	TBD (Required)		Special Permit approval. Design Review timing TBD.
D	Mixed Use	148,945 Total		Special Permit approval. Design Review timing TBD.
R	Retail	TBD (Required)		Special Permit approval. Design Review timing TBD.
V	Residential	199,855 Total		Special Permit approval. Design Review timing TBD.
V	Retail	TBD (Required)		Special Permit approval. Design Review timing TBD.

Special Permit #179, Condition 19.d.

Statistical Summary of Dwelling Units Constructed

Parcel	Total Residential Units	Approved GFA	Use(s)	All Residential Units								
				Studio		1 Bedroom		2 Bedroom		3 Bedroom		
				No. Units	Avg. SF	No. Units	Avg. SF	No. Units	Avg. SF	No. Units	Avg. SF	
N	355	402,600	Residential Retail	74	501	180	732	85	1,030	16	1,392	
S	99	112,398	Residential	0		94	921	5	1,285	0		
T	230	242,194	Residential	40	663	138	878	51	1,044	1	1,923	
JK		365,892	Office/Laboratory Retail	1	1	1	1				-	

Parcel	Affordable Residential Units	Approved GFA	Use(s)	Affordable Residential Units ¹								
				Studio		1 Bedroom		2 Bedroom		3 Bedroom		
				No. Units	Avg. SF	No. Units	Avg. SF	No. Units	Avg. SF	No. Units	Avg. SF	
N	41	402,600	Residential Retail	8	516	21	734	10	1,062	2	1,407	
S	12	112,398	Residential	-	-	11	887	1	1,179			
T	26	242,194	Residential	4	678	15	834	6	999	1	1,839	
JK		365,892	Office/Laboratory Retail									

Issued: May 25, 2018

¹ This chart assumes that these residential properties and affordable units are in compliance with the associated affordable housing covenants on record at the Middlesex County Registry of Deeds (Parcel N: Book 61574 Page 442; Parcel S: Book 45918 Page 224; Parcel T: Book 46408 Page 98). Additional information regarding these properties is available from the Housing Department at CDD.









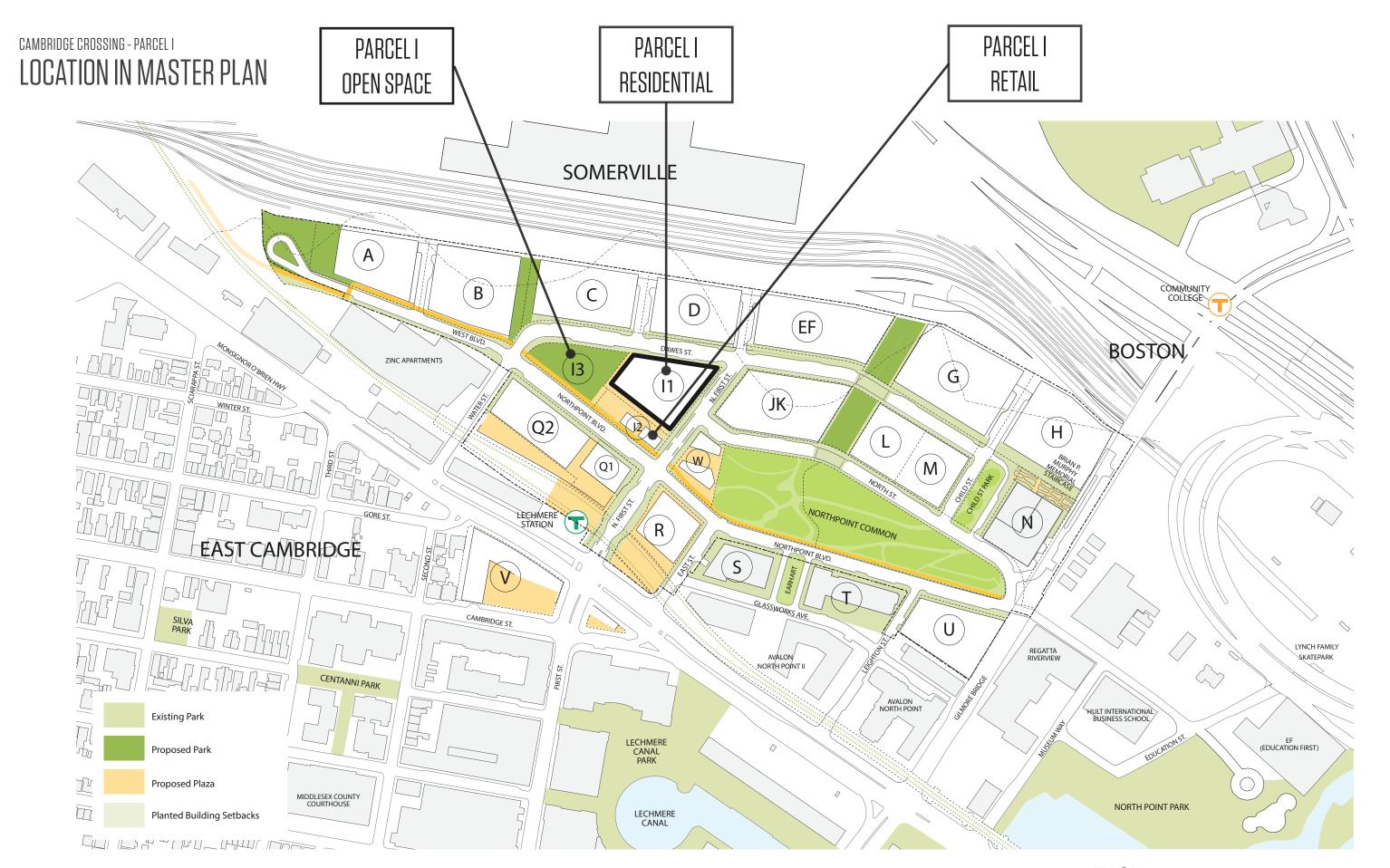


















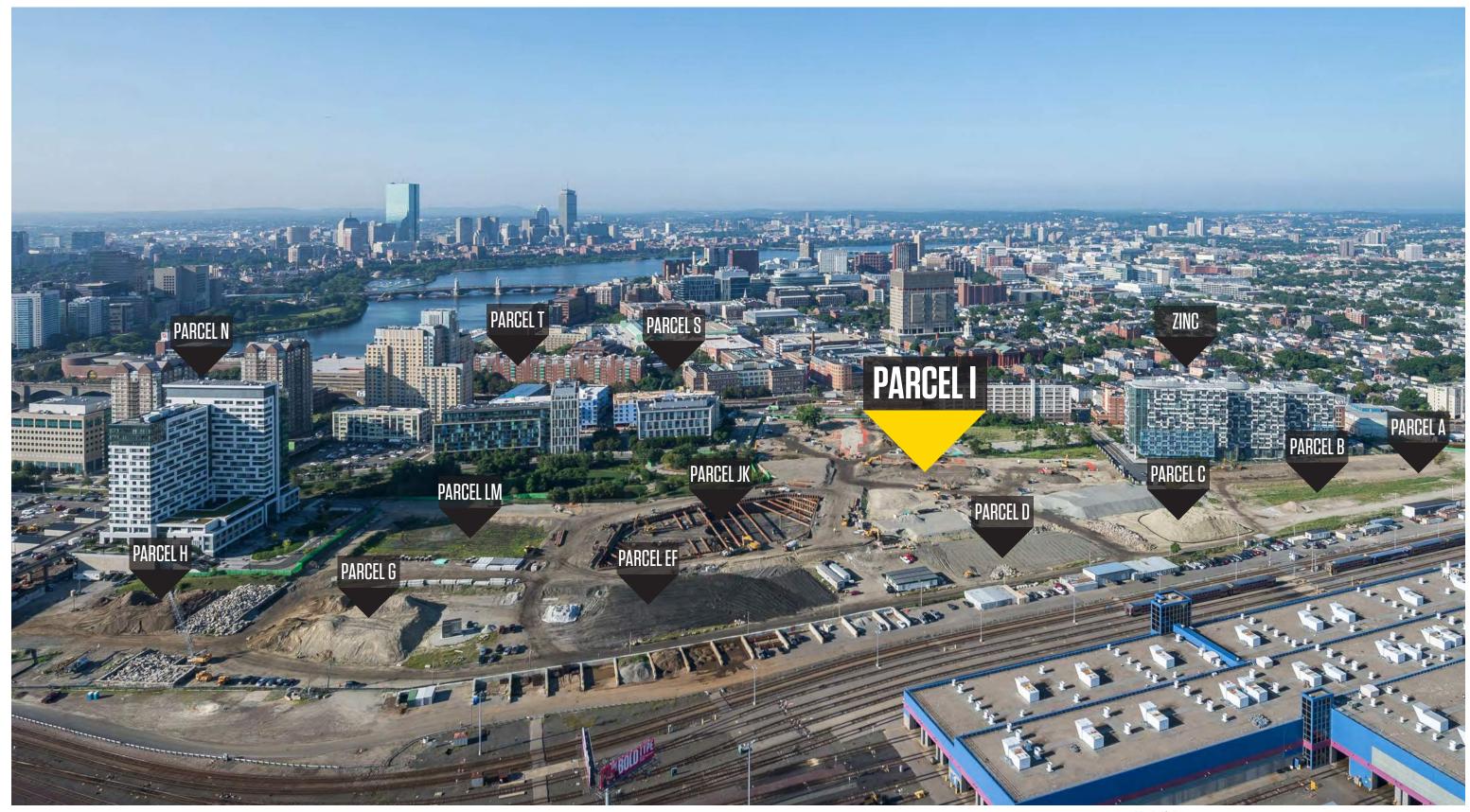








EXISTING CONDITIONS



















NEIGHBOURING BUILDINGS























PARCEL N (TWENTY | 20)



DESIGN & PROJECT DESCRIPTION



390,000 GROSS FLOOR AREA **220'** ZONING HEIGHT **20** FLOORS (OCCUPIED) **480** UNITS

240 PARKING SPACES **0.5** VEHICLE SPACES PER UNIT

503 LONG TERM RESIDENTIAL BICYCLE PARKING SPACES **1.05** BICYCLE SPACES PER UNIT 2 LONG TERM RETAIL BICYCLE PARKING SPACES

19,000 SF RETAIL









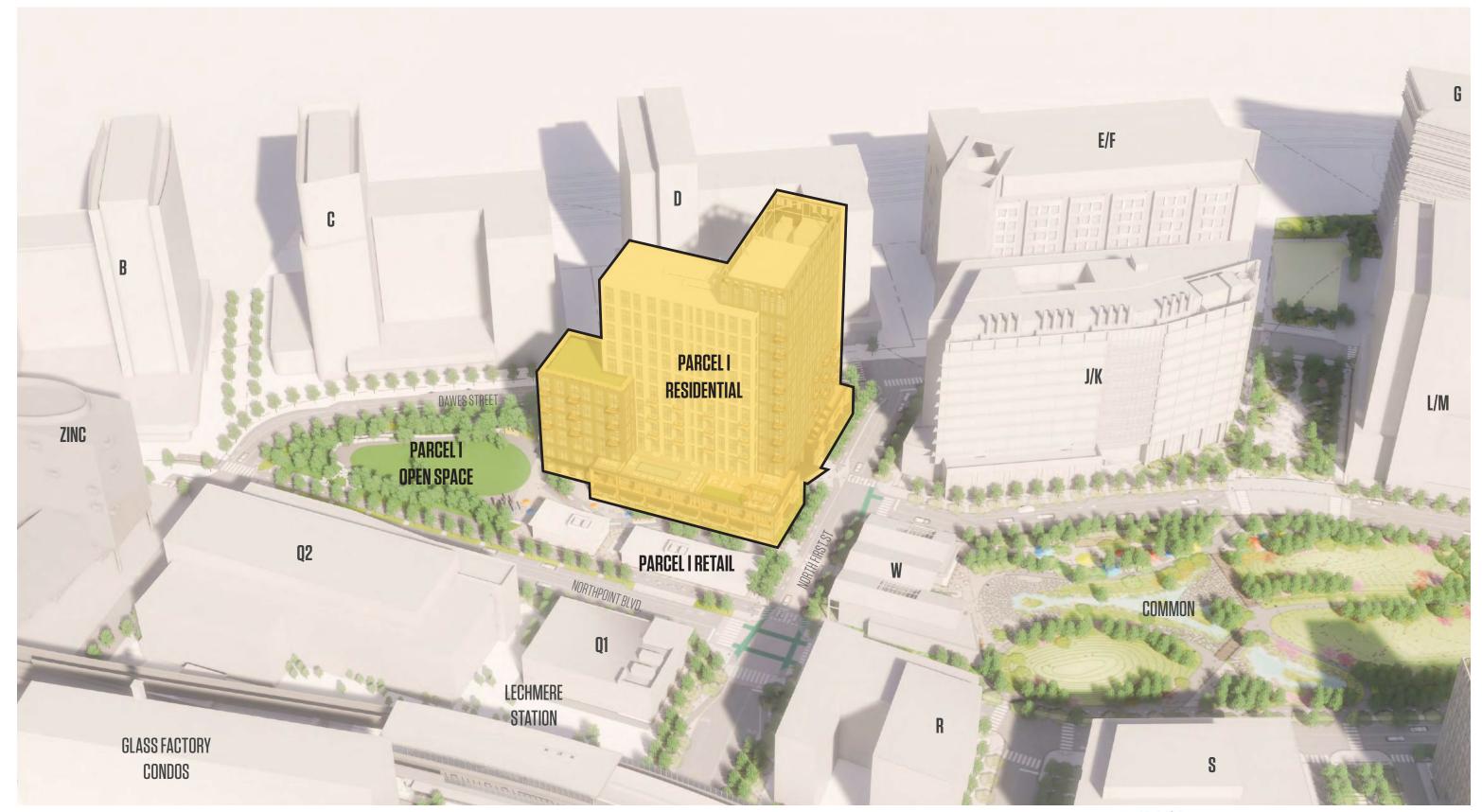








RELATIONSHIP TO MASTER PLAN











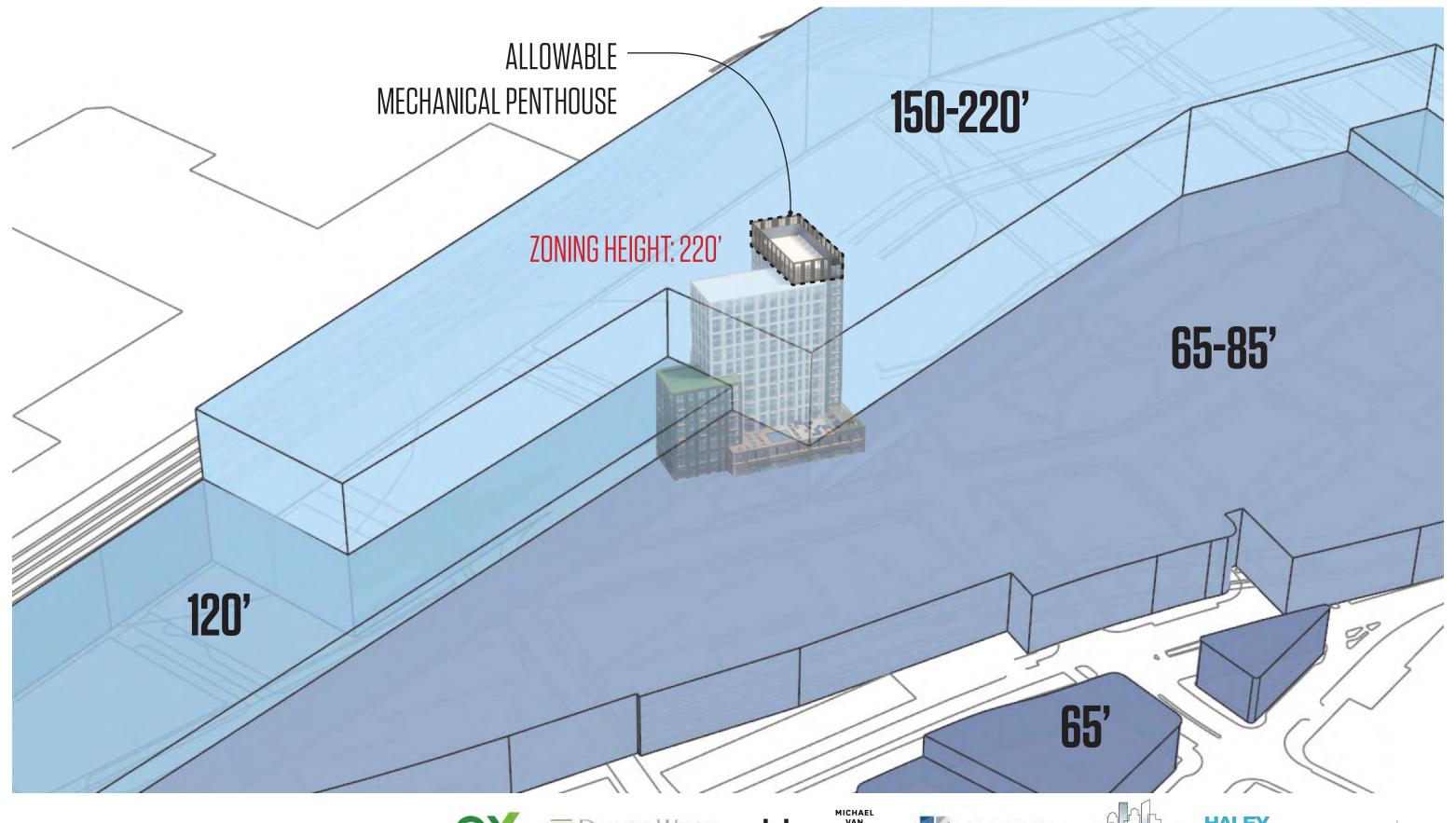








HEIGHT ZONE COMPLIANCE















EXPANDED LANDSCAPE PLAN











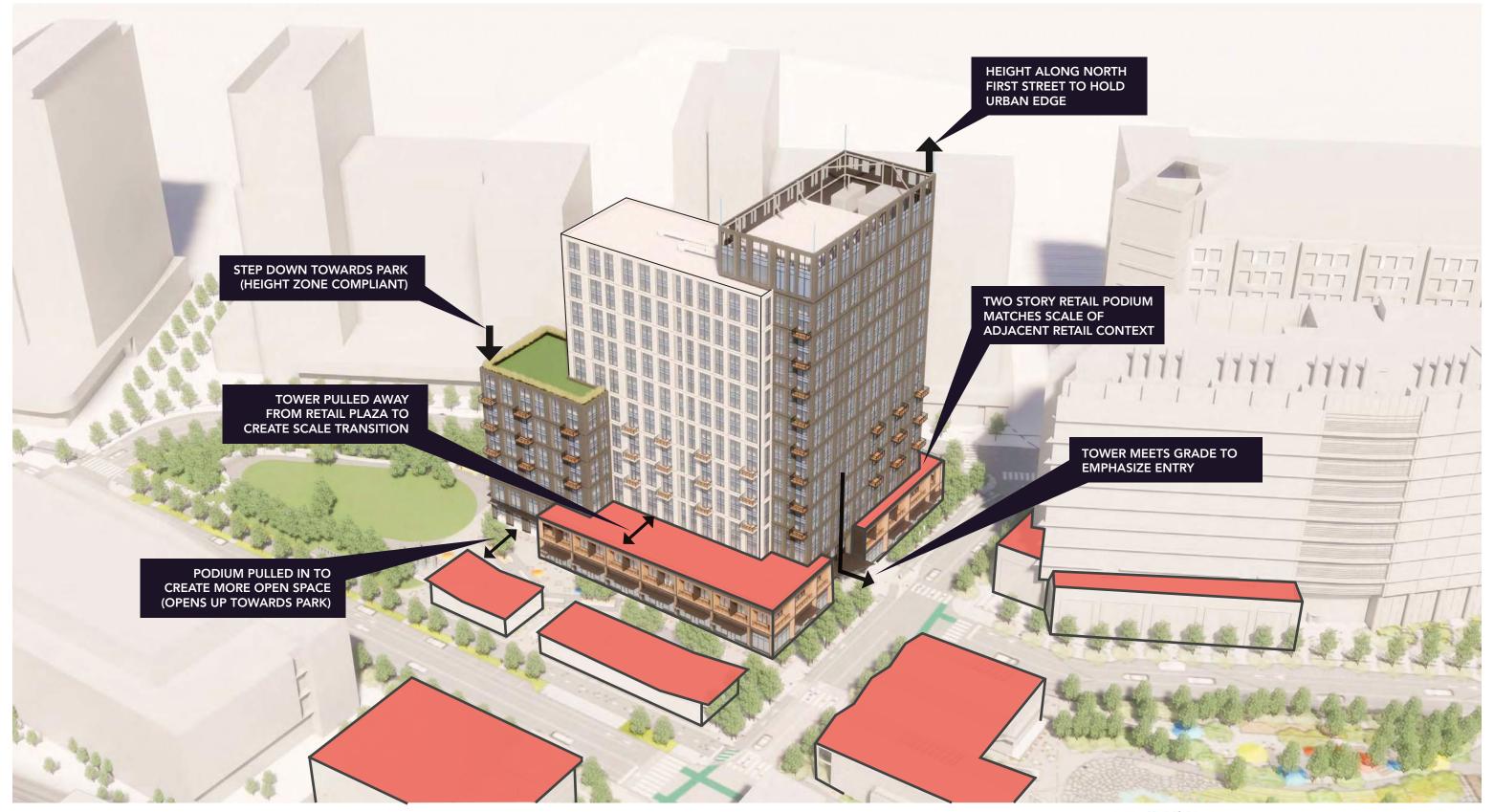


















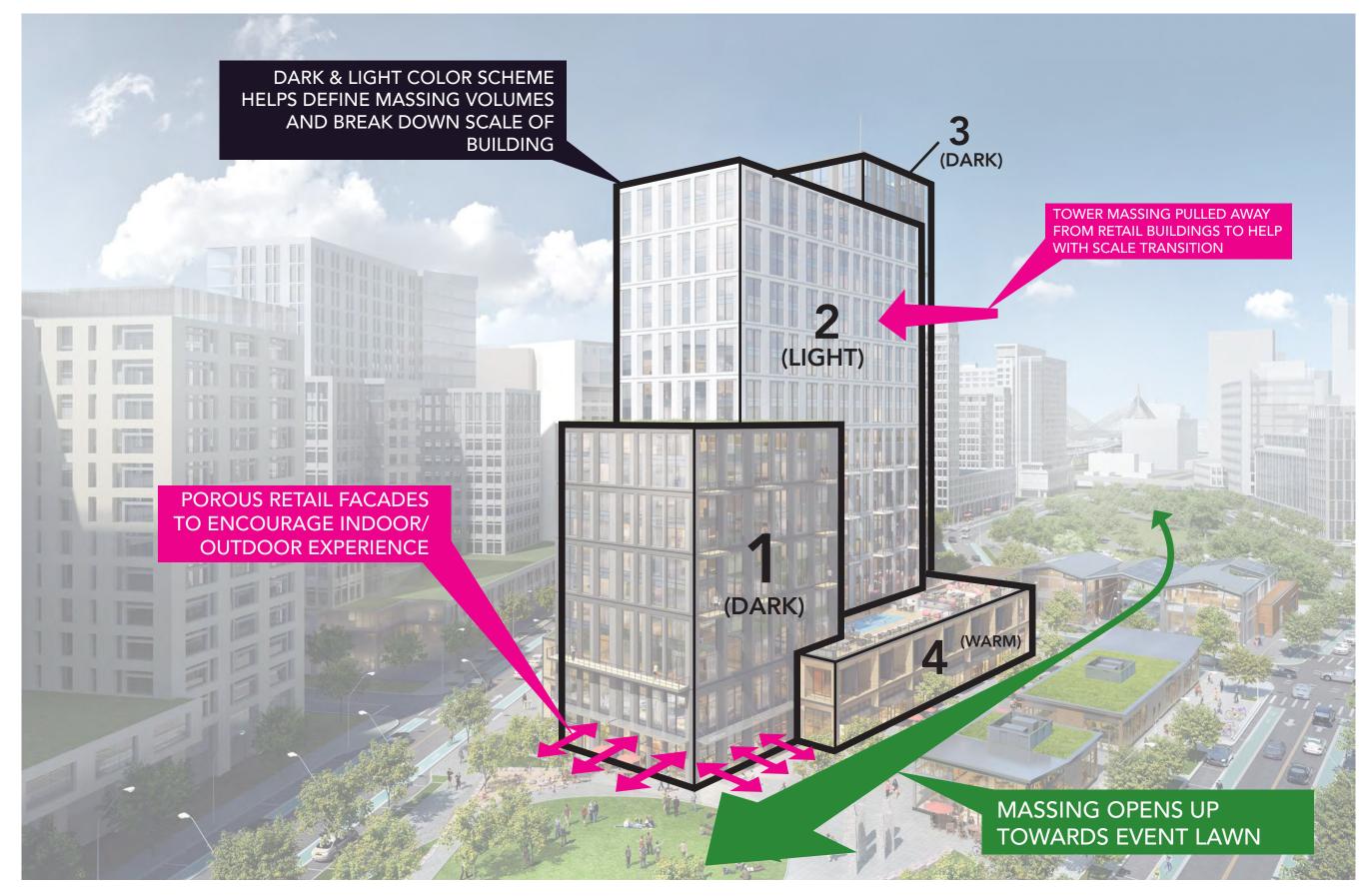


































































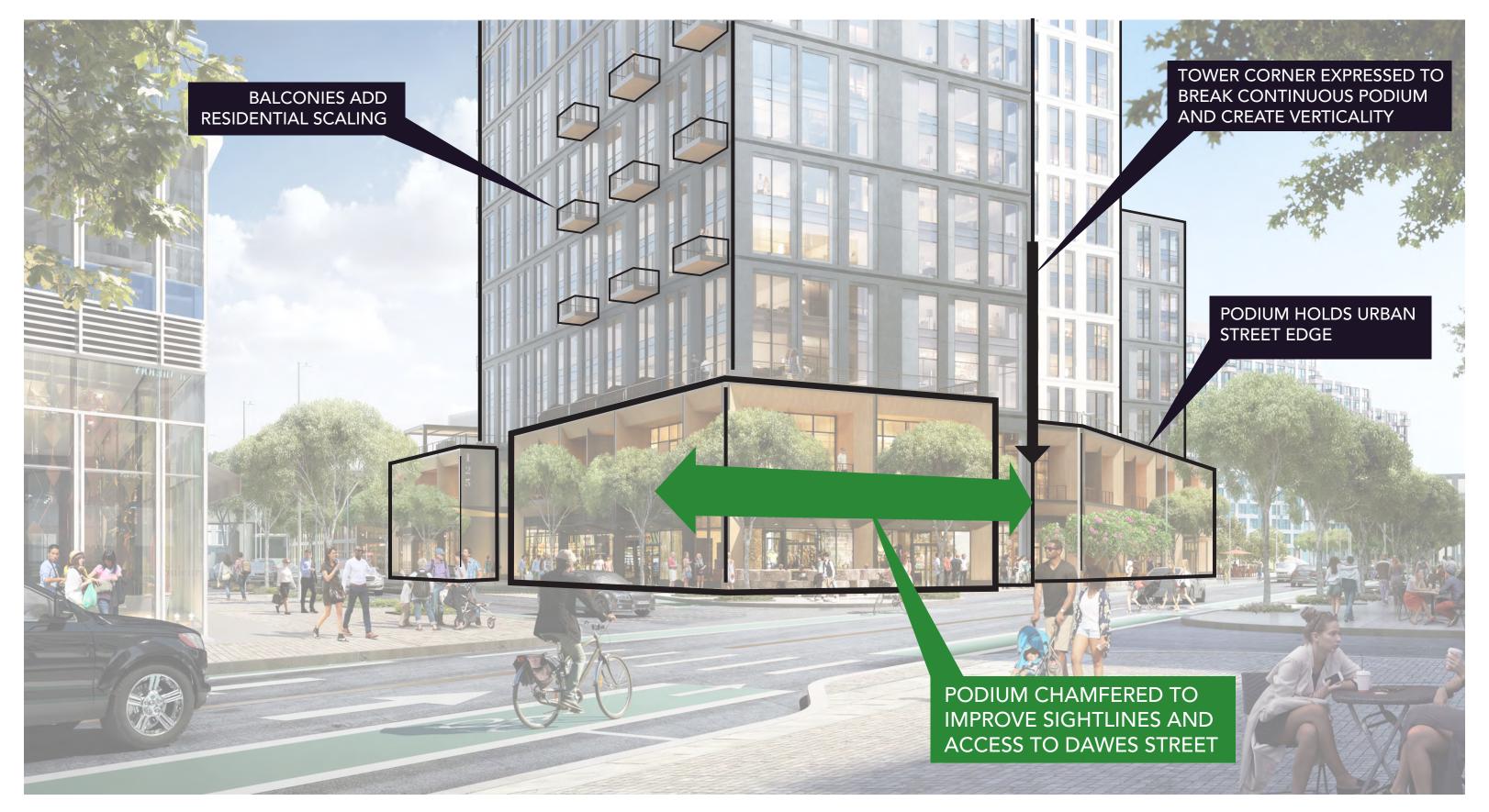


















































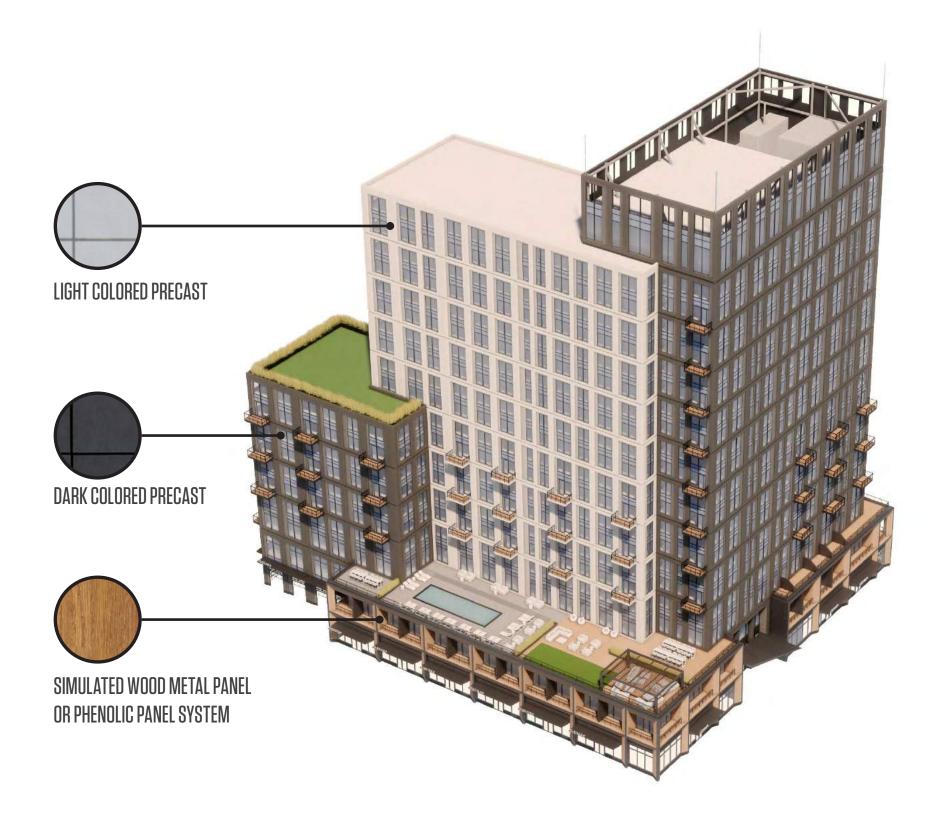








BUILDING MATERIALITY



TOWER FACADE SYSTEM

PRECAST CONCRETE W/ MINERAL WOOL INSULATION PAINTED ALUMINUM GLAZING SYSTEM W/ METAL PANEL SPANDREL GLAZING BASIS OF DESIGN: SOLARBAN 60

PODIUM FACADE SYSTEM

COMPOSITE METAL OR PHENOLIC PANEL SYSTEM PAINTED ALUMINUM GLAZING SYSTEM GLAZING BASIS OF DESIGN: SOLARBAN 60

ROOFING SYSTEM 1- HIGH ROOF

HIGH ALBEDO ADHERED MEMBRANE ROOFING SYSTEM

ROOFING SYSTEM 2 - GREEN ROOF

FUNCTIONAL GREEN ROOF SYSTEM - 2" MIN. PLANTING TRAYS AS DEFINED BY ARTICLE 22.30

ROOFING SYSTEM 3 - AMENITY DECK

LEED COMPLIANT (SRI) PAVER/PEDESTAL SYSTEM

ENERGY MODEL PERFORMANCE CRITERIA

ROOF U-VALUE: 0.032 WALL U-VALUE: 0.055 VERTICAL GLAZING: U-VALUE 0.36, SHGC 0.27 WINDOW/WALL RATIO: 40%







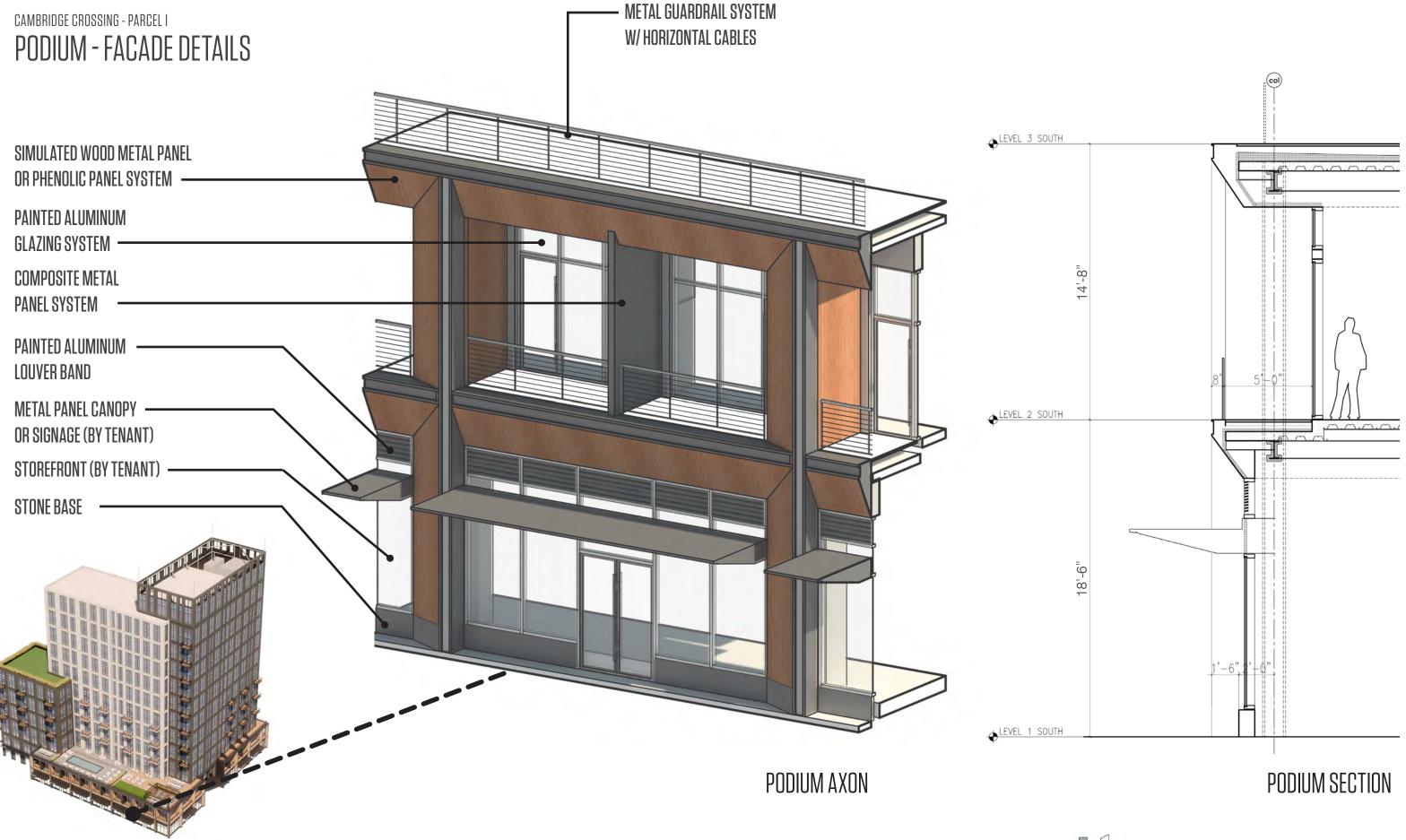
















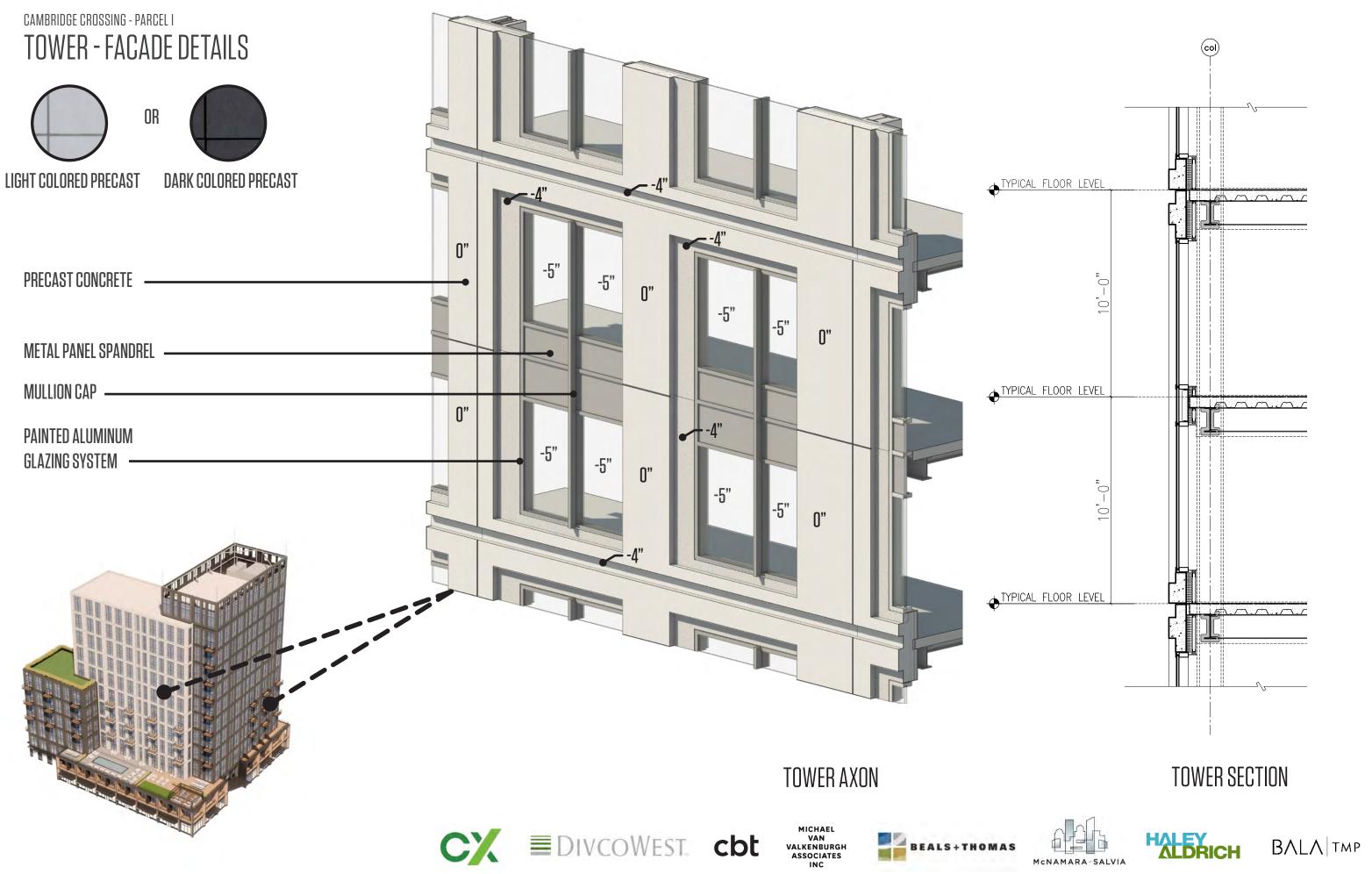






















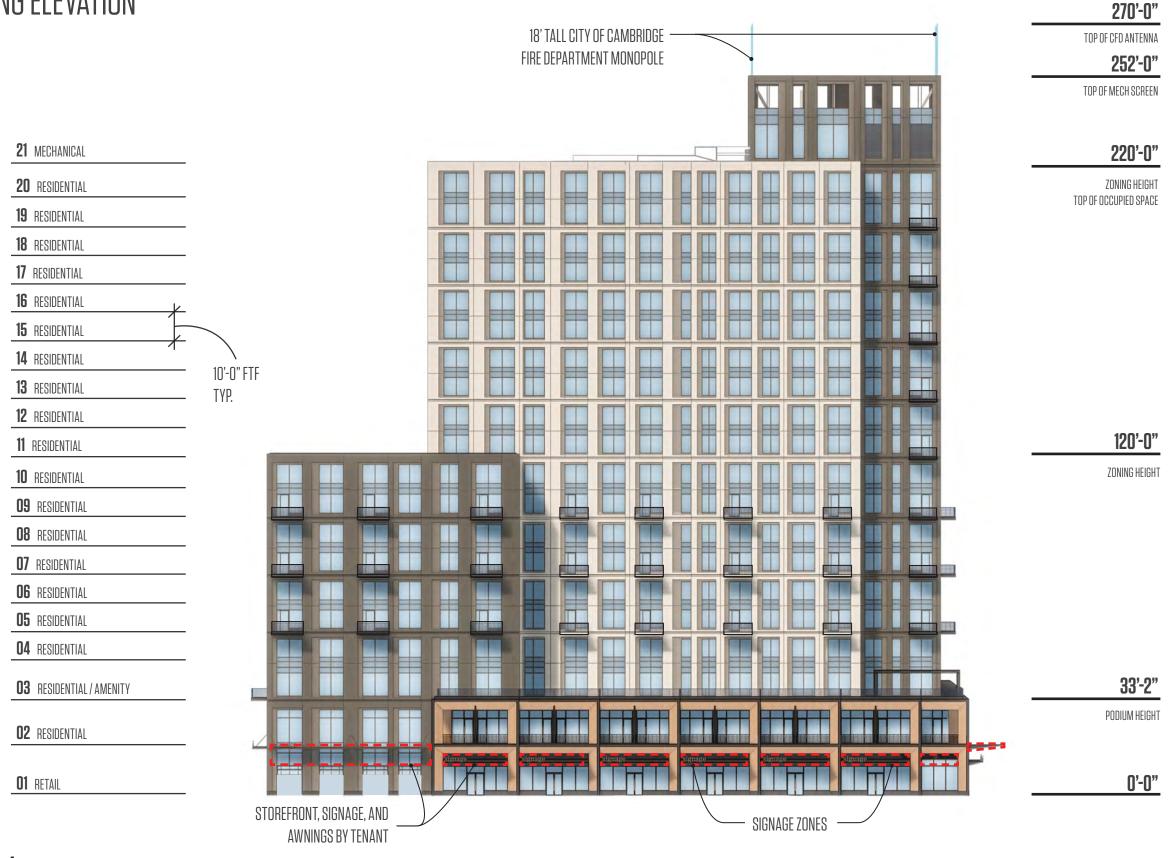








SOUTH BUILDING ELEVATION











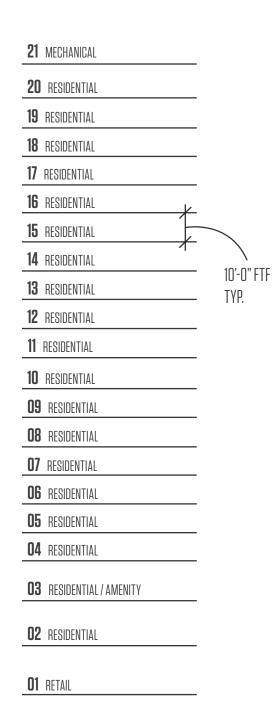




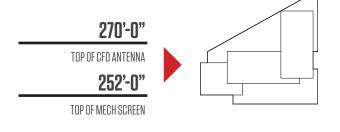




WEST BUILDING ELEVATION







220'-0"

ZONING HEIGHT TOP OF OCCUPIED SPACE

120'-0"

ZONING HEIGHT

33'-2"

PODIUM HEIGHT

0'-0"







PUBLIC

RESTROOMS



SIGNAGE ZONES-











CAMBRIDGE CROSSING - PARCEL I **NORTH** BUILDING ELEVATION 270'-0" 18' TALL CITY OF CAMBRIDGE TOP OF CFD ANTENNA FIRE DEPARTMENT MONOPOLE 252'-0" TOP OF MECH SCREEN **21** MECHANICAL 220'-0" ZONING HEIGHT **20** RESIDENTIAL TOP OF OCCUPIED SPACE **19** RESIDENTIAL **18** RESIDENTIAL 17 RESIDENTIAL **16** RESIDENTIAL **15** RESIDENTIAL **14** RESIDENTIAL 10'-0" FTF **13** RESIDENTIAL TYP. **12** RESIDENTIAL 120'-0" **11** RESIDENTIAL ZONING HEIGHT **10** RESIDENTIAL **09** RESIDENTIAL **08** RESIDENTIAL **07** RESIDENTIAL **06** RESIDENTIAL **05** RESIDENTIAL **04** RESIDENTIAL 33'-2" **03** RESIDENTIAL / AMENITY PODIUM HEIGHT **02** RESIDENTIAL 0'-0" **01** RETAIL STOREFRONT, SIGNAGE, AND - SIGNAGE ZONES GAS METERS -PARKING LOADING BICYCLE **AWNINGS BY TENANT** TRANS. ENTRY







VAULT

ENTRY



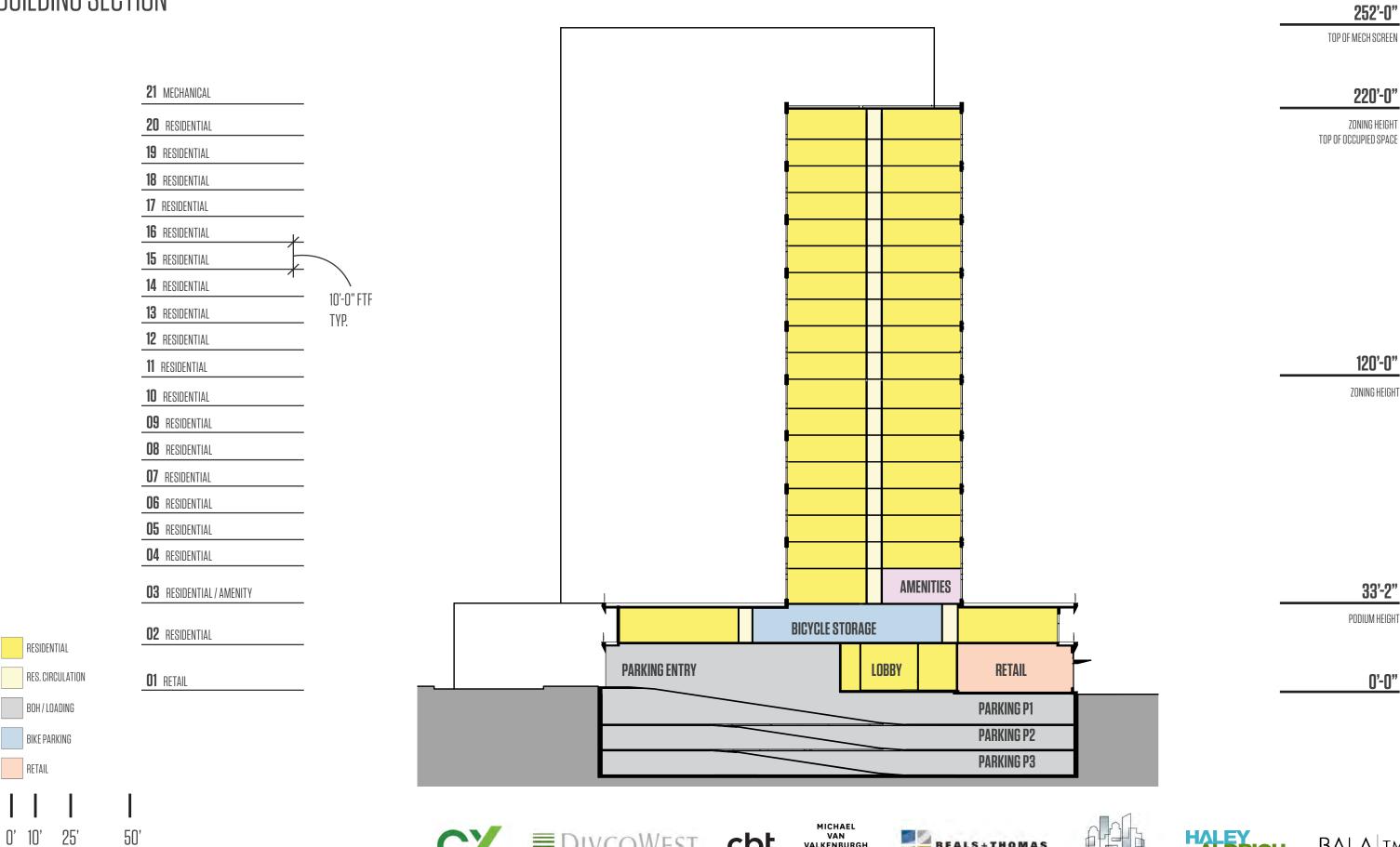








BUILDING SECTION





SITE PLAN

0' 10' 25'













Compact (7 1/2 ft x 16 ft): 39 Standard (8 1/2 ft x 16 ft): Handicap (12 ft x 18 ft): 2 Electric Charging (81/2 ft x 16 ft): 1

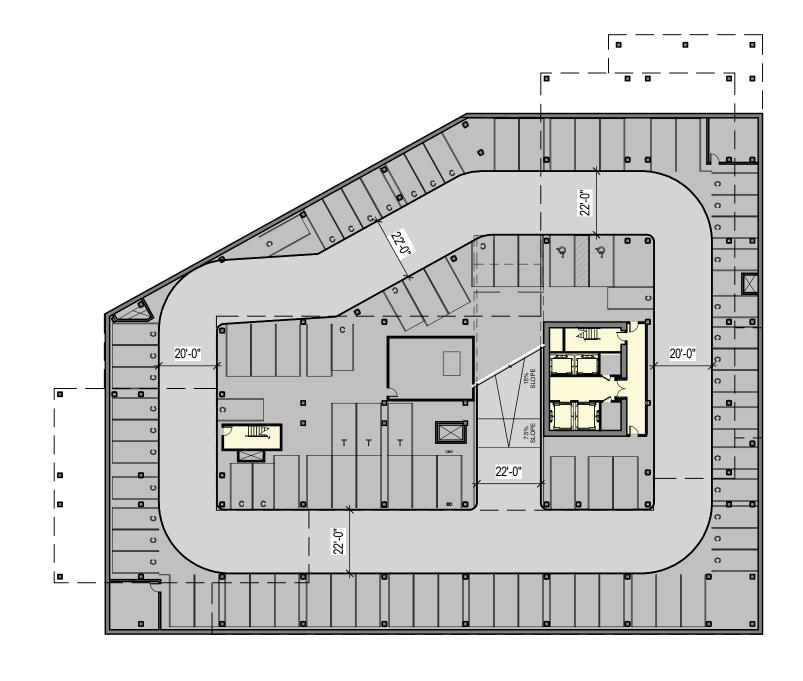
Tandem (7 1/2 x 16 ft): 3 (not included in parking count)

P3 Total Spaces: 86

P1 Total Spaces: P2 Total Spaces: 83 P3 Total Spaces: Total Parking Spaces: 240





















Compact (7 1/2 ft x 16 ft): Standard (8 1/2 ft x 16 ft): 41 Handicap (12 ft x 18 ft): 2 Electric Charging (8 1/2 ft x 16 ft): 2

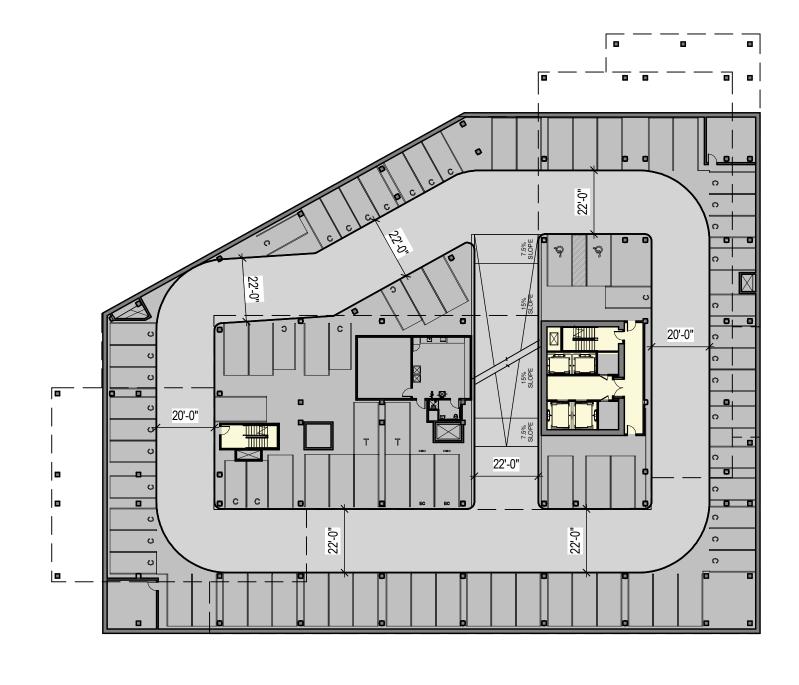
Tandem (7 1/2 x 16 ft): 2 (not included in parking count)

P2 Total Spaces: 83

P1 Total Spaces: P2 Total Spaces: 83 P3 Total Spaces: 71 Total Parking Spaces: 240





















Compact (7 1/2 ft x 16 ft): 35 Standard (8 1/2 ft x 16 ft): 32 Handicap (12 ft x 18 ft): 2 Electric Charging (8 1/2 ft x 16 ft): 2

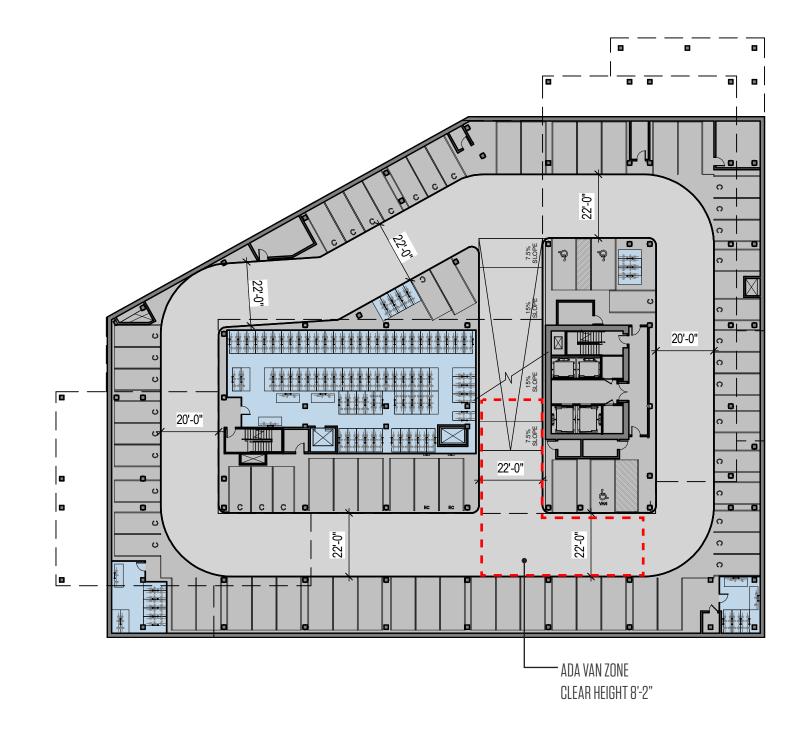
1 (not included in parking total) Van (12 ft x 18 ft):

P1 Total Spaces: **71**

P1 Total Spaces: P2 Total Spaces: 83 P3 Total Spaces: 71 Total Parking Spaces: 240











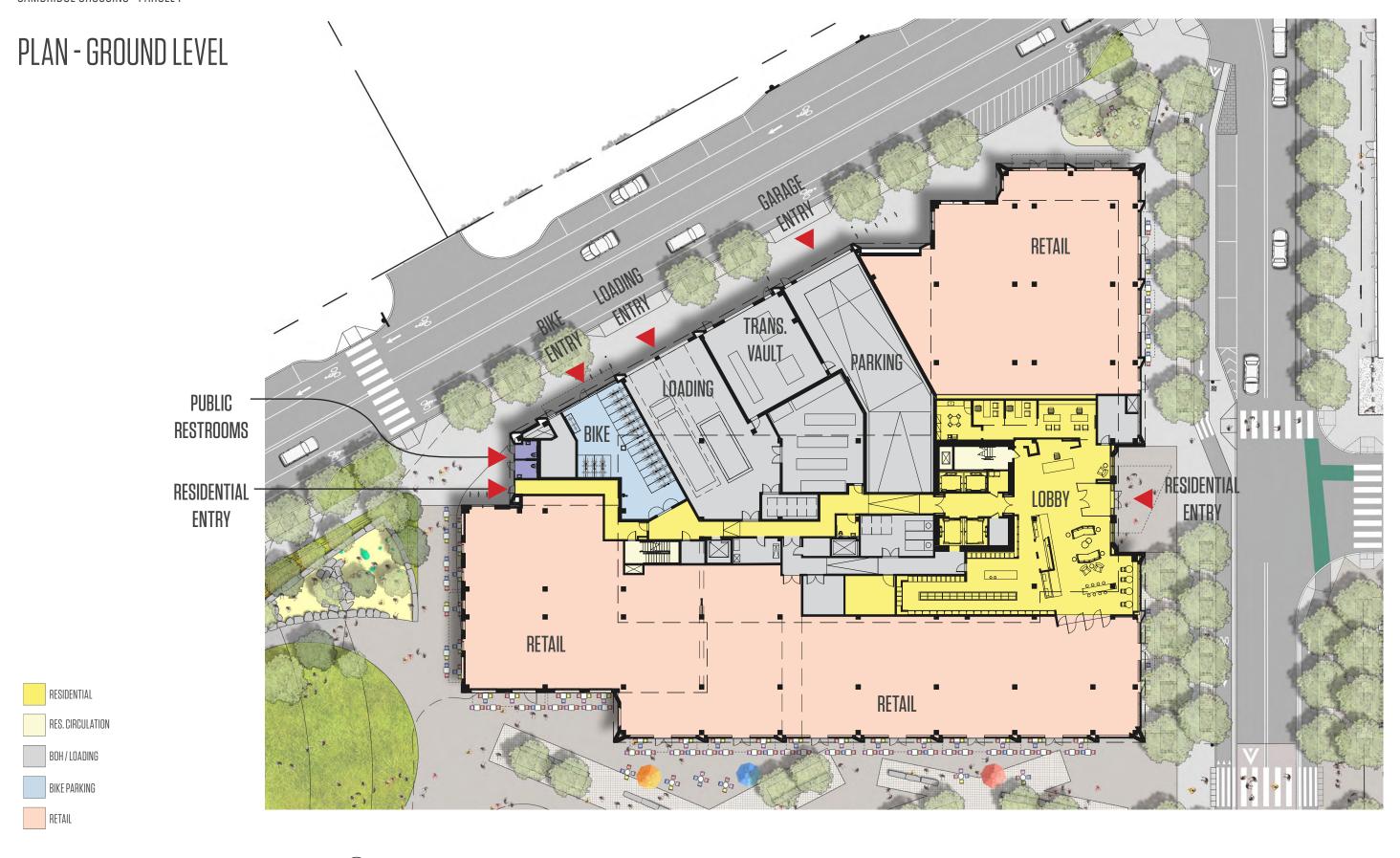












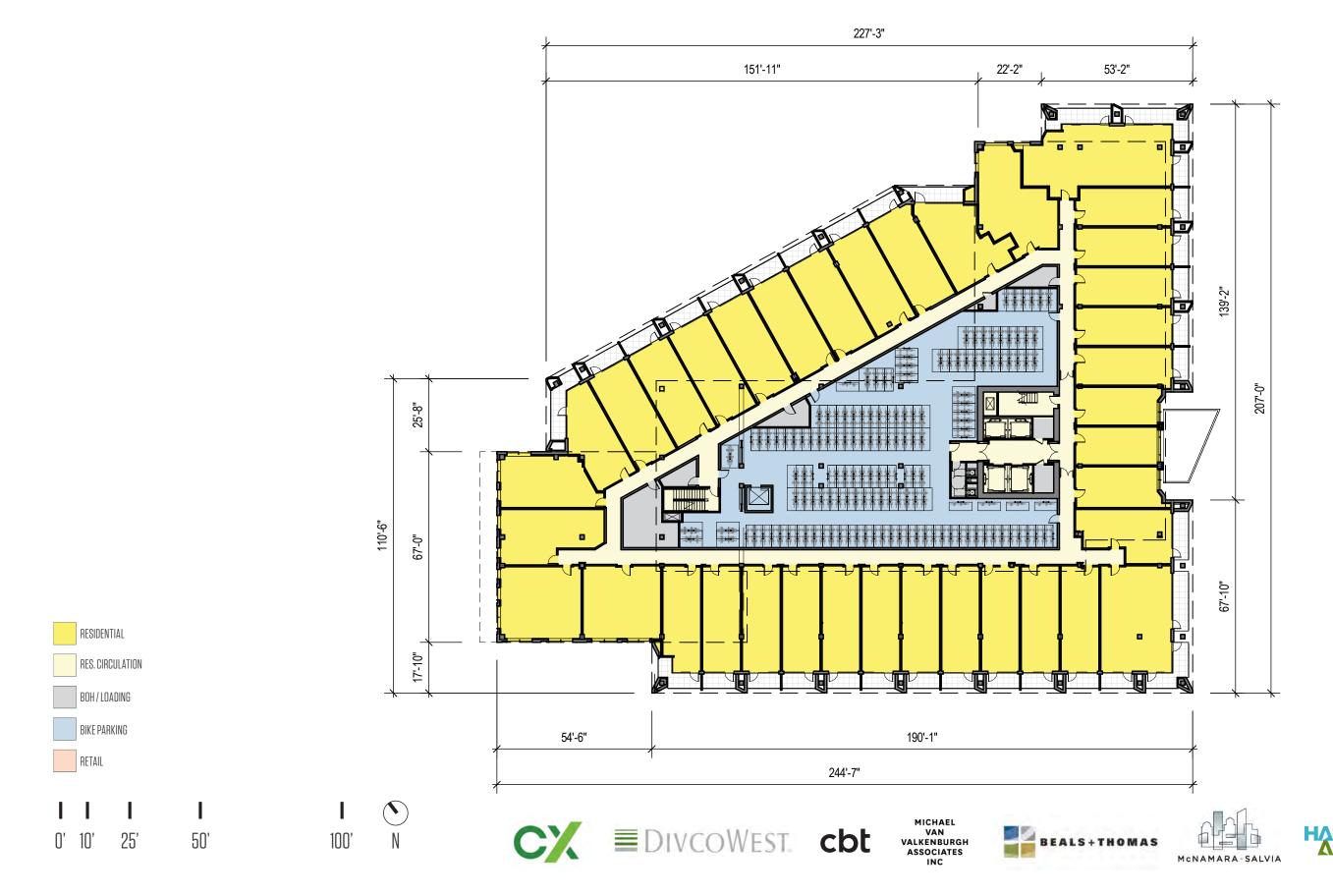


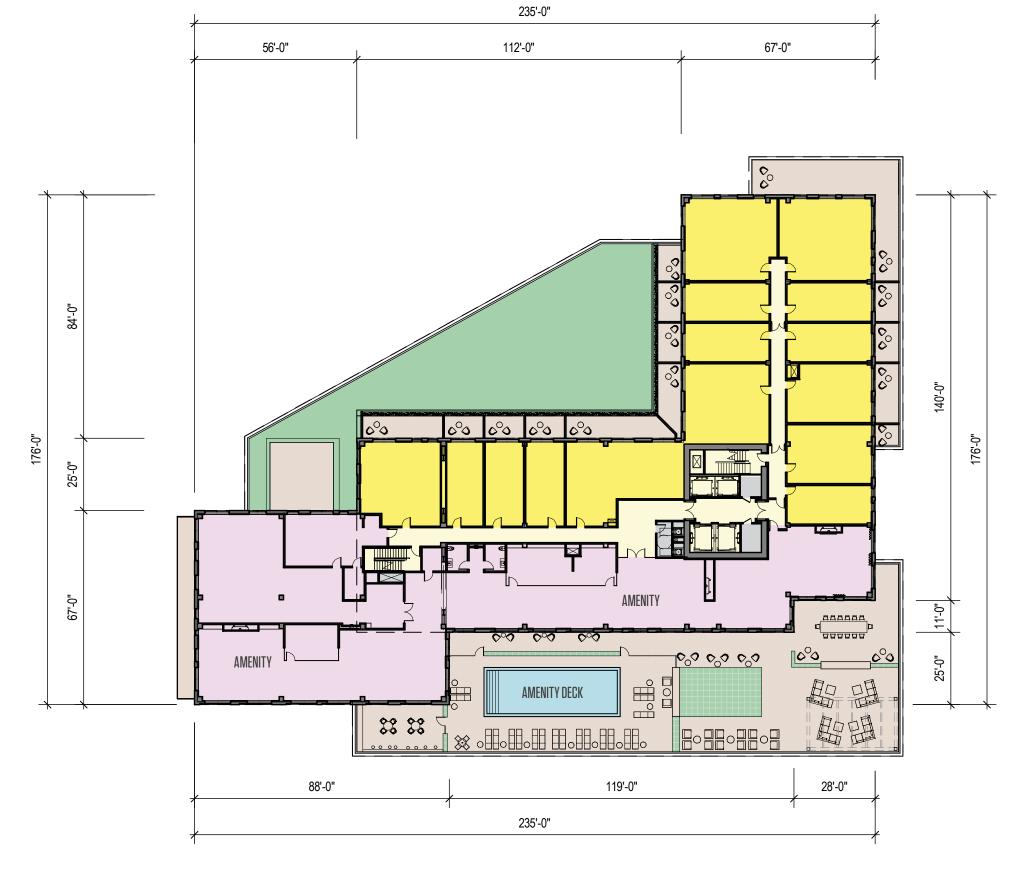


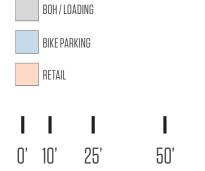












RESIDENTIAL

RES. CIRCULATION





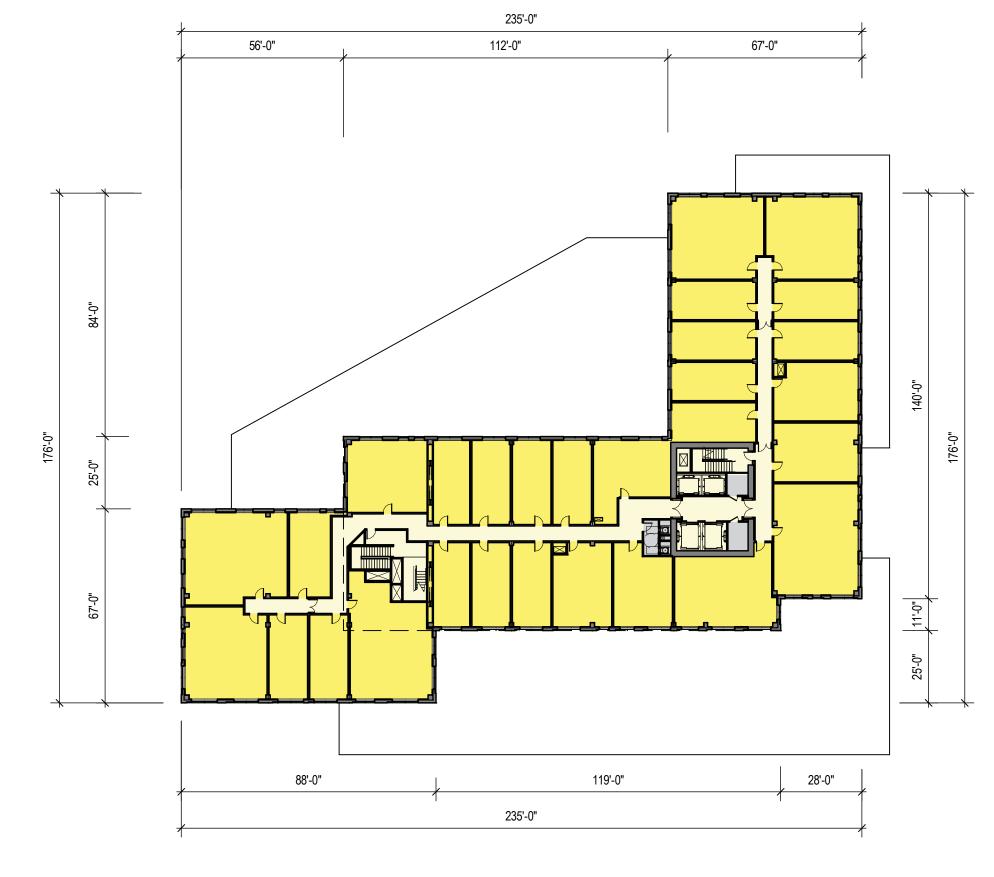


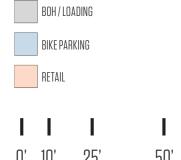












RESIDENTIAL

RES. CIRCULATION









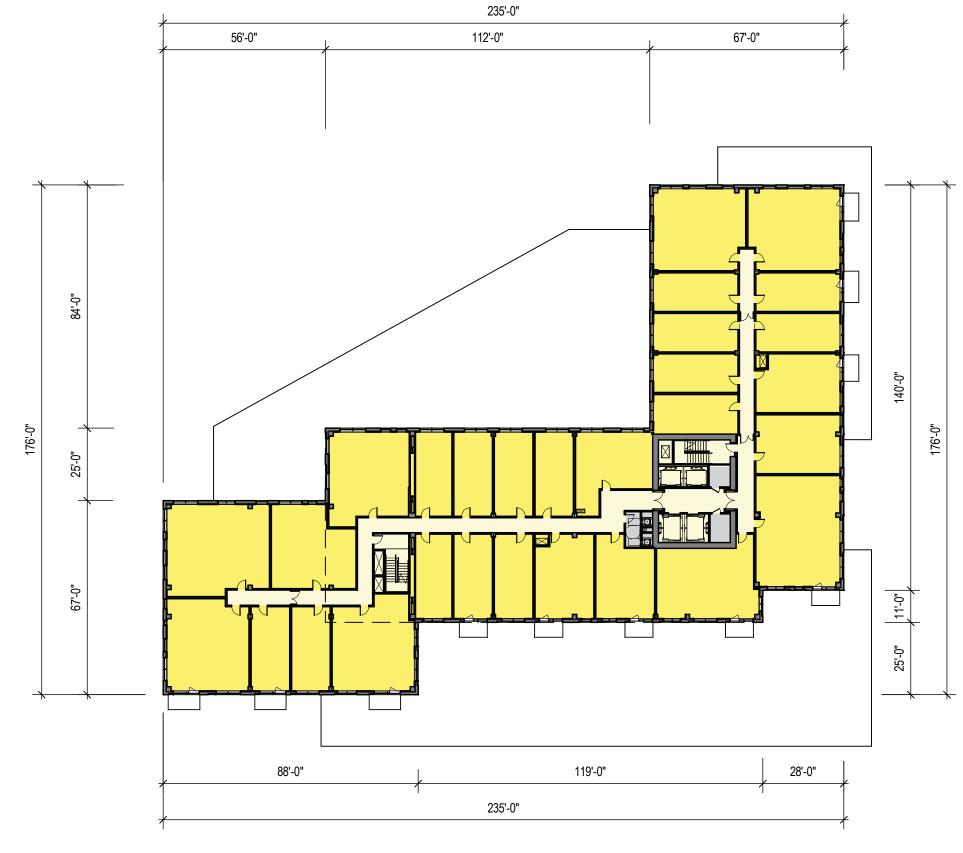








PLAN - LEVELS 05-10





RESIDENTIAL

RES. CIRCULATION

BOH / LOADING

BIKE PARKING



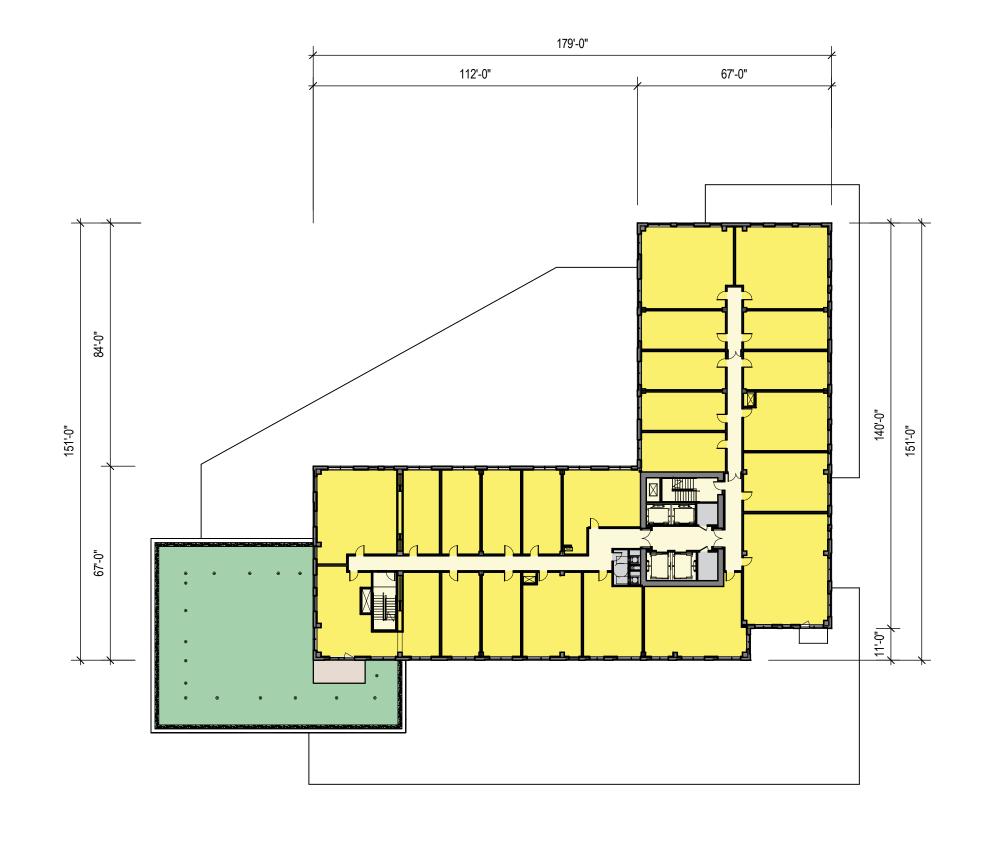




















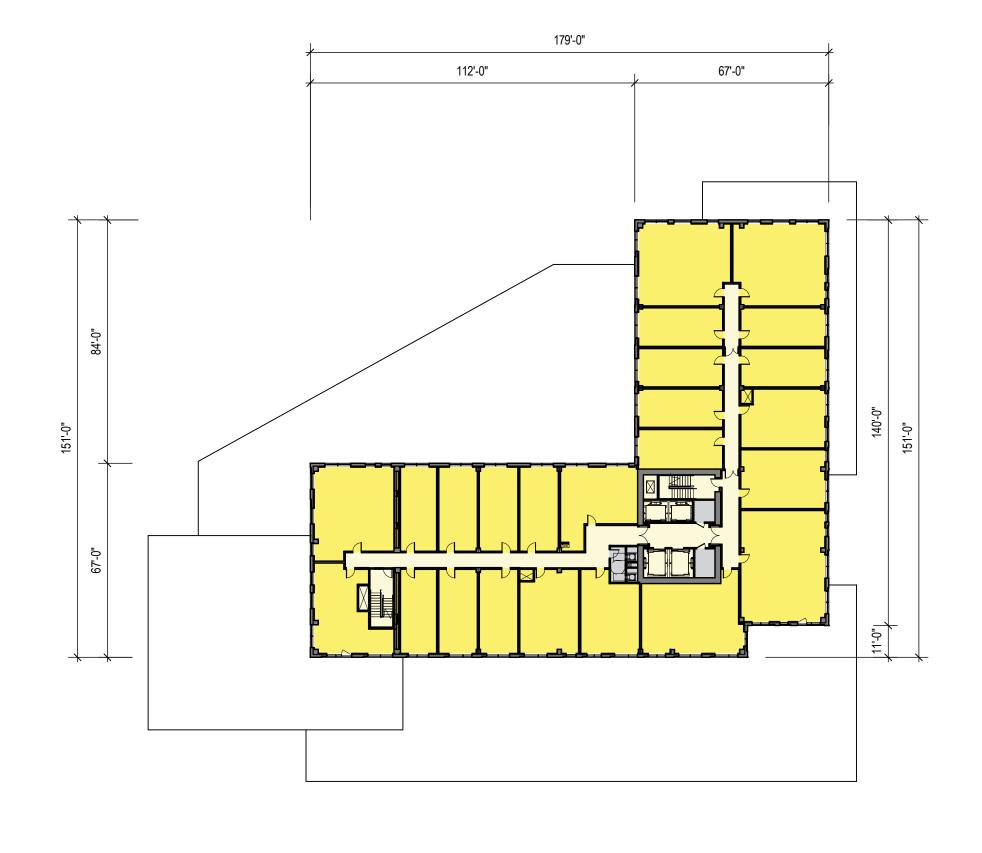


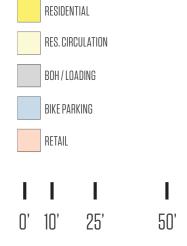






PLAN - LEVELS 12-18









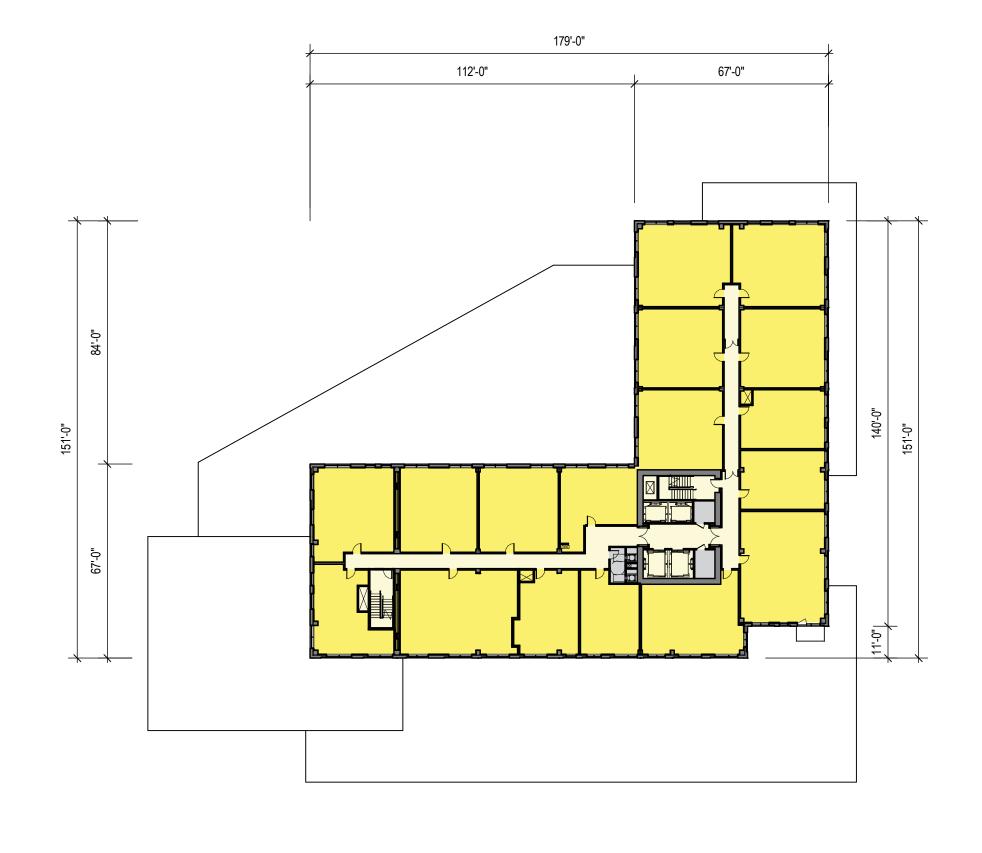








PLAN - LEVELS 19-20



















PLAN - ROOF

ROOFING SYSTEM 1 - HIGH ROOF

HIGH ALBEDO ADHERED MEMBRANE ROOFING SYSTEM

ROOFING SYSTEM 2 - GREEN ROOF

FUNCTIONAL GREEN ROOF SYSTEM - 2" MIN. PLANTING TRAYS AS DEFINED BY ARTICLE 22.30

ROOFING SYSTEM 3 - AMENITY DECK

LEED COMPLIANT (SRI) PAVER/PEDESTAL SYSTEM

