

CITY OF CAMBRIDGE BOARD OF ZONING AFT BOARD

2021 JUL 27 PH 2:43

BZA	Number:	131990
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General	T-fo-	
(Jeneral	Intorm	anon

The undersigned	hereby petitions the Board of Zoning Appeal for the following:	
Special Permit: _	Variance:X Appeal:	
PETITIONER:	MIT C/O Kelley Brown	
PETITIONER'S	ADDRESS: MIT Office of Campus Planning, Cambridge, MA 02139	
LOCATION OF	PROPERTY: 301 Vassar St , Cambridge, MA	
TYPE OF OCCU	JPANCY: Institutional - 4.33 b. 1 ZONING DISTRICT: SD-11	
REASON FOR P	PETITION:	
/New Structure/		
DESCRIPTION O	OF PETITIONER'S PROPOSAL:	
	ilding is primarily in SD-6, but the section at 301 Vassar is in SD-11. needed to allow matching building wall and proportions in SD-6 and SD-11.	
SECTIONS OF ZO	ONING ORDINANCE CITED:	
Article: 5.000 Article: 10.000	Section: 5.32 (Front, Side and Rear Yard Setbacks). Section: 10.30 (Variance).	
	Original Signature(s): (Petitioner (s) / Owner) (Print Name)	1
	Address:	
Date:	Tel. No. 617-293-6380 E-Mail Address: kbrown@mit.edu	
		

BZA APPLICATION FORM - OWNERSHIP INFORMATION

To be completed by CMMER, signed before a notary and returned to The Secretary of the Board of Zoning Appeals.

I/We Massachusett Institute of Technology
(OWNER)
Address: 77 Massachusetts Ave, NW23-100, Cambridge, MA 02139
State that I/We own the property located at
which is the subject of this zoning application.
The record title of this property is in the name of Massachusetts Institute of Technology
Refer to Title References on following page
*Pursuant to a deed of duly recorded in the date, Middlesex South
County Registry of Deeds at Book, Page; or
Middlesex Registry District of Land Court, Certificate No.
Book Page
In alware?
SIGNATURE BY LAND CHEER OR AGENT*
*Written evidence of Agent's standing to represent petitionsr may be requested.
Commonwealth of Massachusetts, County of Middlesex
Ton Alvarez personally appeared before me,
this 7th of July , 20 21 , and made outh that the store statement is true.
this 7th of July, 20_21, and made bath that the busy sotary
My commission expires December 16, 2022 (No D. KELLEY BROWN Notary Public COMMONWEALTH OF MASSACHUSETTS)
My Commission Expires
of It by court order, recent
If ownership is not shown in recorded deed, e.g. deed, or inheritance, please include documentation.

Title References for 269-301 Vassar St.

- a deed dated January 19, 2001 and recorded with Middlesex South Registry of Deeds in Book 32259, Page 276 and filed with the Middlesex Registry District of the Land Court as Document No. 1160877 (Certificate of Title 220502)
- a deed dated April 29, 1970 and recorded with Middlesex South Registry of Deeds in Book 11826, Page 680 and filed with the Middlesex Registry District of the Land Court as Document No. 475238 (Certificate of Title 132242)
- a deed dated July 30, 1980 and recorded with Middlesex South Registry of Deeds in Book 14022,
 Page 253 and filed with the Middlesex Registry District of the Land Court as Document No.
 599934 (Certificate of Title 161239)
- a deed dated July 30, 1980 and recorded with Middlesex South Registry of Deeds in Book 14022, Page 220 and filed with the Middlesex Registry District of the Land Court as Document No. 599935 (Certificate of Title 161239)
- a deed dated July 30, 1980 and recorded with Middlesex South Registry of Deeds in Book 14022,
 Page 231 and filed with the Middlesex Registry District of the Land Court as Document No.
 599936 (Certificate of Title 161239)
- a deed dated July 30, 1980 and recorded with Middlesex South Registry of Deeds in Book 14022, Page 242 and filed with the Middlesex Registry District of the Land Court as Document No. 599937 (Certificate of Title 161239)
- a deed dated October 22, 1980 and filed with the Middlesex Registry District of the Land Court as Document No. 603303 (Certificate of Title 162009).

BZA APPLICATION FORM

SUPPORTING STATEMENT FOR A VARIANCE

- A) A literal enforcement of the provisions of this Ordinance would involve a substantial hardship, financial or otherwise to the petitioner or appellant.
 - i. In order to redevelop a currently underutilized site, primarily occupied by surface parking, into two dormitory buildings consistent in scale with neighboring buildings, variances from the minimum front, side and rear yard setback requirements in the SD-11 District are required for the portion of the West Building located within such district. The Applicant has designed the Project to meet as many of the applicable Ordinance requirements as possible, while also providing an appropriate number of dormitory beds to serve the MIT graduate students and fulfill MIT's obligation set forth in the Letter of Commitment referred to in Section 13.810.4 of the Ordinance. The project has received special permits for Article 19 Project Review, minor additions to height in SD-6 and SD-11, reduction in parking amounts, and to allow compensation payments for having less than 80% Green Roof. Applying the SD-11 District yard setback requirements to the Project would render construction of the West Building for dormitory use infeasible for the reasons described below, even though that use is allowed by right in the SD-11 District. Absent the requested relief, the Applicant would be deprived of reasonable and desirable use of the Site and would be unable to redevelop the underutilized parcel to deliver additional dormitory beds to serve the MIT graduate student population.
- B) The hardship is owing to circumstances relating to the soil conditions, shape or topography of such land or structures and especially affecting such land or structure but not affecting generally the zoning district in which it is located.
 - i. As shown on Exhibit 2.3 Site - Zoning Districts, the Site is an atypically long and narrow lot. The Site is also a split lot, with a majority located within the SD-6 District and the remaining portion located within the SD-11 District. Additionally, the Fort Washington Historic District extends into a portion of the Site, as shown on Exhibit 2.5 Site - Proposed Site Plan, which prevents the Applicant from constructing a single, larger building that is more centered on the lot. To preserve the Fort Washington Park view corridor, the Applicant is proposing two buildings that extend to the west and east perimeters of the Site, which will be separated by an open space central plaza. As a result of these constraints, the Applicant must build within the portion of the Site subject to the SD-11 zoning requirements, including the above-described setback requirements. The 22-45ot existing building on the SD-11 portion of the site (to be demolished) was made non-conforming by the SD-11 zoning and no building matching the allowed height would have dimensions which are feasible. Exhibit 3.1 301 Vassar Setback - Existing Building Overview demonstrates that even the modest, 27foot high existing building could not be constructed under the SD-11 setback requirements. Exhibit 3.2 301 Vassar Setbacks - Proposed Building Overview demonstrates the infeasibility of constructing any building designed for the allowed 100' height. No new buildings have been constructed in SD-11 since the current zoning was first imposed more than 25 years ago in the early 1990's.
 - ii. The Applicant is unable to comply with the yard requirements while still constructing a sufficient number of graduate student dormitory beds and maintaining a building design that is consistent with the size and scale of surrounding buildings. Additionally, the proposed yard setbacks for the West Building shown on **Exhibits 2.5 and 2.6** provide for a consistent street wall across the Site, which helps to create visual coherence across the Site punctuated by the central plaza physically separating the West and East Buildings.

- C) Desirable relief may be granted without either: (1) Substantial detriment to the public good; or (2) Nullifying or substantially derogating from the intent or purpose of this Ordinance.
 - i. As noted above, the Project is proposed in response to a requirement of the Letter of Commitment referred to in Section 13.810.4 of the Ordinance, which letter was approved by the City of Cambridge City Council as providing for mitigation measures that benefit the City. The limited side and rear yards face an electric sub-station and railroad tracks, respectively. The project has no eastern side yard at the SD-11/SD-6 border and, as noted above, the proposed front setback in SD-11 provides a consistent and coherent street wall. Accordingly, the Project is not a substantial detriment to the public good, but rather benefits the public good by providing needed dormitory housing for MIT graduate students and affiliates on a centrally located site within MIT's West Campus. The project is well-located for its purpose, as it is directly adjacent to existing graduate student housing along what MIT calls its "residential ring." It is well-served by Bluebike and MIT shuttle amenities and is near the MIT playing fields and the Charles River.
 - ii. The Project will promote the purpose and intent of the Ordinance, which includes, among other things: to lessen congestion in the streets; to conserve health; to provide adequate light and air, to conserve the value of land and buildings, including the conservation of natural resources and the prevention of blight and pollution of the environment; to encourage the most rational use of land throughout the city, including the encouragement of appropriate economic development, the protection of residential neighborhoods from incompatible activities and including the consideration of plans and policies, if any, adopted by the Cambridge Planning Board, and to preserve and increase the amenities of the City.

BZA Application Form

DIMENSIONAL INFORMATION

Applicant MIT Present Use/Occupancy: Institutional - 4.33 b. 1

Location: MIT Office of Campus Planning Zone: SD-11

Phone: 617-293-6380 Requested Use/Occupancy: Institutional - 4.33 b. 7

		Existing Conditions	Requested Conditions	<u>Ordinance</u> <u>Requirements</u>	
TOTAL GROSS FLOOR AREA:		1,118,831	1,431,972	2,102,877	(max.)
LOT AREA:		765,106	765,106	5,000 (Minimum lot size)	(min.)
RATIO OF GROSS FLOOR AREA TO LOT AREA: 2		1.46	1.87	1.75 -2.0-3.0 (across multiple districts)	
LOT AREA OF EACH DWELLING UNIT		N/A	N/A	N/A	
SIZE OF LOT:	WIDTH	N/A	N/A	N/A	
	DEPTH	N/A	N/A	N/A	
SETBACKS IN FEET	FRONT	31' (from center line of street)	31' (from center line of street)	Existing Building - 41' required (from center line of street)	
	REAR	18'	14' 5"	Existing Building - 26' required	
·	LEFT SIDE	19'	0	Existing Building - 22' 5" required	
	RIGHT SIDE	N/A	N/A - No side yard; connected to continuous building	N/A	
SIZE OF BUILDING:	HEIGHT	27'	100'	100' with special permit in SD-11	
RATIO OF USABLE	WIDTH	N/A	N/A	N/A	
OPEN SPACE TO LOT AREA:		N/A	N/A	N/A	
NO. OF DWELLING UNITS:		N/A	O	N/A	
NO. OF PARKING SPACES:		136	0	Parking Reduced via Section 6.35.1 special permit	
NO. OF LOADING AREAS:		0	2 (Allowed per Sec. 6.74, aggregate loading)	4	
DISTANCE TO NEAREST BLDG. ON SAME LOT		N/A	127' 6" between East and West; 50' to Simmons Building	34' 2" between buildings; 20' to existing Simmons Building	

Describe where applicable, other occupancies on the same lot, the size of adjacent buildings on same lot, and type of construction proposed, e.g; wood frame, concrete, brick, steel, etc.

^{1.} SEE CAMBRIDGE ZONING ORDINANCE ARTICLE 5.000, SECTION 5.30 (DISTRICT OF DIMENSIONAL REGULATIONS).

July 9, 2021

Ranjit Singanayagam Board of Zoning Appeal City of Cambridge 831 Massachusetts Avenue Cambridge, MA 02139

RE: West Campus Graduate Student Dormitory Buildings W87 and W88, 269-301 Vassar Street

Dear Ranjit,



The Massachusetts Institute of Technology is filing its application for a variance for the above referenced project. This application seeks a variance under Section 5.32, Table 5-2 (front, side and rear yard setback requirements). The Dormitory is on an atypically long and narrow lot. The site is also a split lot, with a majority located within the SD-6 District and the remaining portion located within the SD-11 District. Additionally, the Fort Washington Historic District extends into a portion of the Site, which prevents MIT from constructing a single, larger building that is more centered on the lot. To preserve the Fort Washington Park view corridor, MIT is proposing two buildings that extend to the west and east perimeters of the Site, which will be separated by an open space central plaza. As a result of these constraints, MIT must build within the portion of the Site subject to the SD-11 zoning requirements, including the above-described setback requirements.

In order to redevelop the currently underutilized site, primarily occupied by surface parking, into two dormitory buildings consistent in scale with neighboring buildings, variances from the minimum front, side and rear yard setback requirements in the SD-11 District are required for the portion of the West Building located within such district. MIT has designed the project to meet as many of the applicable Ordinance requirements as possible, while also providing an appropriate number of dormitory beds to serve the MIT graduate students and fulfill MIT's obligation set forth in the Letter of Commitment referred to in Section 13.810.4 of the Ordinance. The project has received special permits for Article 19 Project Review, minor additions to height in SD-6 and SD-11, reduction in parking amounts, and to allow compensation payments for having less than 80% Green Roof.

MIT is unable to comply with the yard requirements while still constructing a sufficient number of graduate student dormitory beds and maintaining a building design that is consistent with the size and scale of surrounding buildings. Additionally, the proposed yard setbacks for the West Building provide for a consistent street wall across the Site, which helps to create visual coherence across the Site punctuated by the central plaza physically separating the West and East Buildings.

MIT West Campus Graduate Student Dormitory Buildings W87 and W88, 269-301 Vassar Street Page 2

In addition to filling out the variance application in the on-line permitting portal, MIT will upload the notarized ownership certificate, a copy of the supporting statement, and a complete package of supporting materials:

- Context Map
- Context Photos
- Zoning Districts
- Area Calculations
- Site Plan
- Site Axon
- Vassar Setbacks
 - Existing Building Overview
 - Proposed Building Overview
 - Variance Requests
- Elevations
- Floor Plans
- Certified Plot Plan

As we have stated in previous zoning applications, our counsel has instructed us to provide this statement reserving our rights under the Dover Amendment. As a nonprofit educational corporation, MIT has certain protections granted by the so-called Dover Amendment, M.G.L. c.40A, §3. There is some question as to the enforceability of the variance requirements with respect to this project in light of the Dover Amendment protections. The strict application of the limits to the yard setback provisions would have the practical effect of nullifying the use exemption afforded educational institutions. Compliance with these provisions would substantially diminish the usefulness of Building W88 and the entire dormitory project without appreciably advancing the City's legitimate concerns.

MIT is submitting this application in an effort to satisfy the City's policy objectives under the zoning ordinance as a whole. However, in doing so, MIT must reserve the right to assert that some or all of the requirements of certain zoning provisions do not apply to MIT's proposed project under the Dover Amendment.

Please contact me (<u>kbrown@mit.edu</u>, 617-293-6380) if you need any further information or documentation concerning this matter.

With regards,

Kelley Brown

Kelley Brown Senior Campus Planner





MIT West Campus Graduate Student Dormitory

BZA Application
301 Vassar Street, Cambridge, MA, 02139
7 July, 2021

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Table of Contents

1. Forms and Statements*

Application Form Supporting Statements Ownership Certificate

5. Appendix

5.1 Block Map5.2 Plot Plan

2. Site Conditions

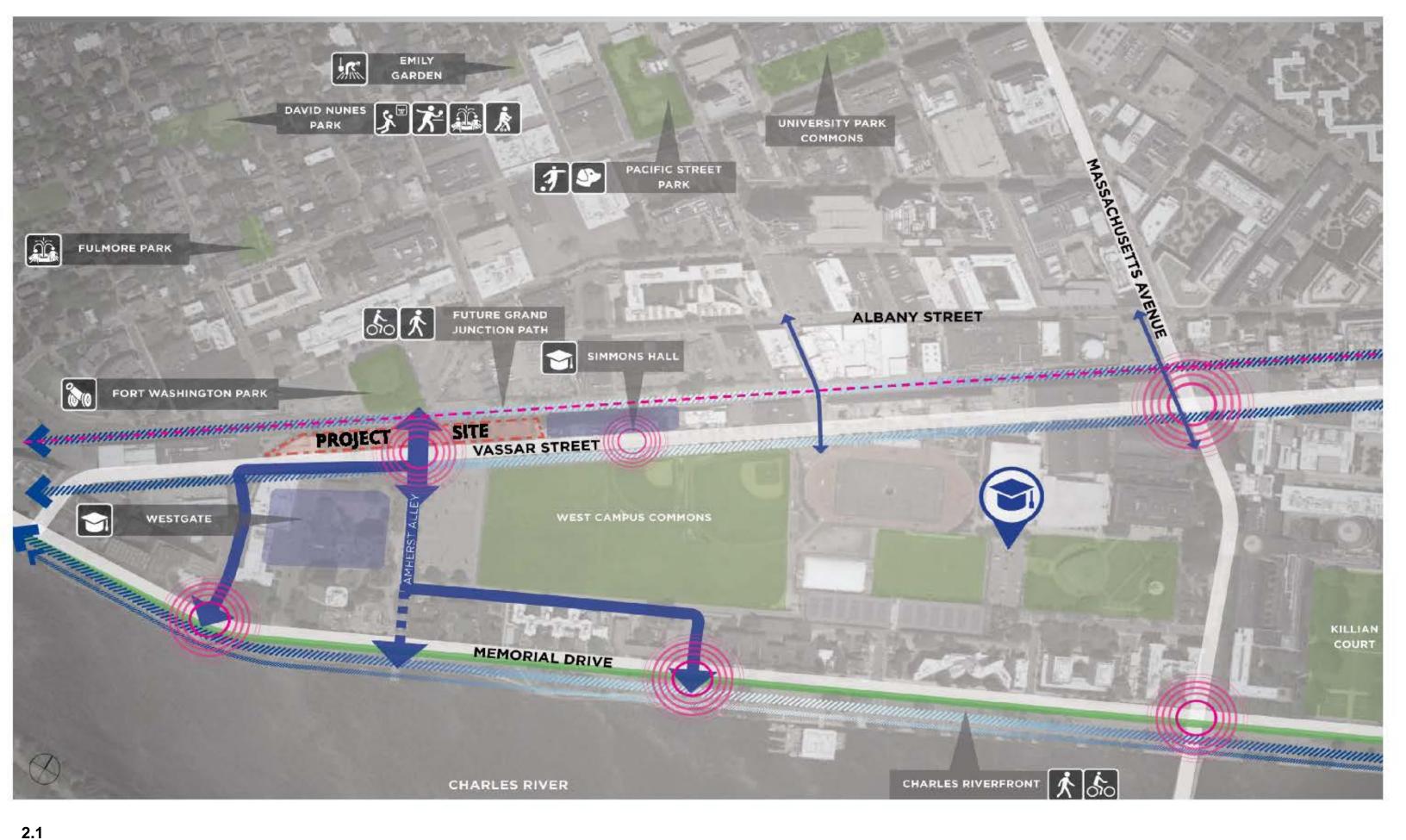
2.1	Context Map
2.2	Context Photos
2.3	Zoning Districts
2.4	Area Calculations
2.5	Site Plan
2.6	Site Axon

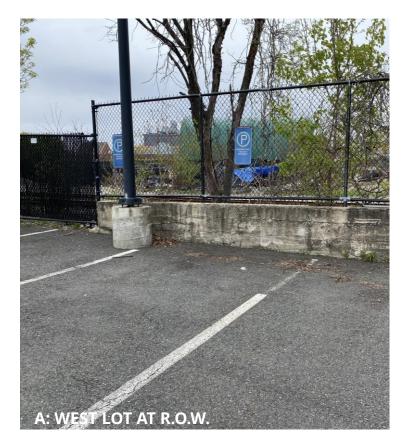
3. 301 Vassar Setbacks

3.1	Existing Building Overview
3.2	Proposed Building Overview
3 3	Variance Requests

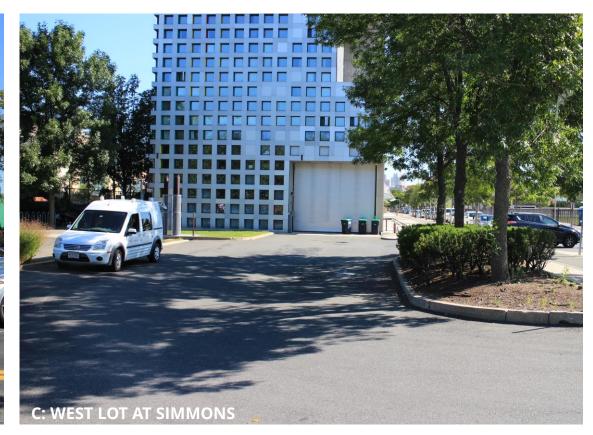
4. Drawing Set

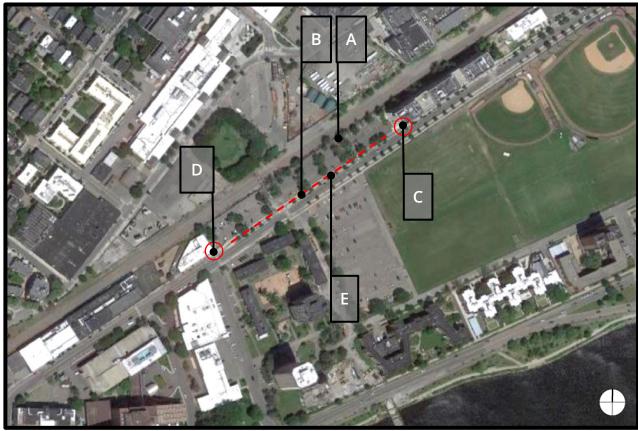
4.1	Cover Shee
4.2	Plans
4.3	Elevations

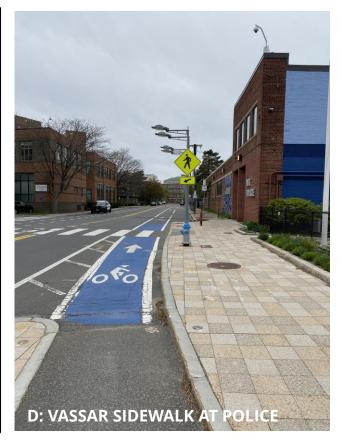












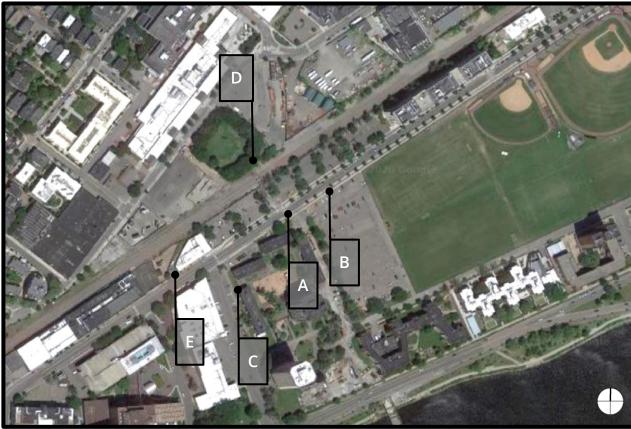


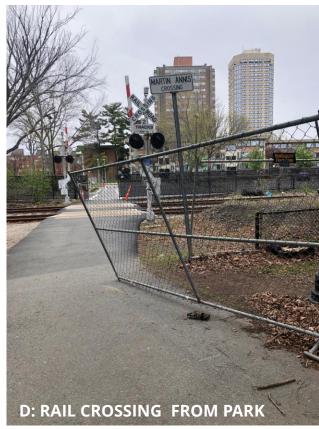
2.2 SITE CONTEXT PHOTOS 01



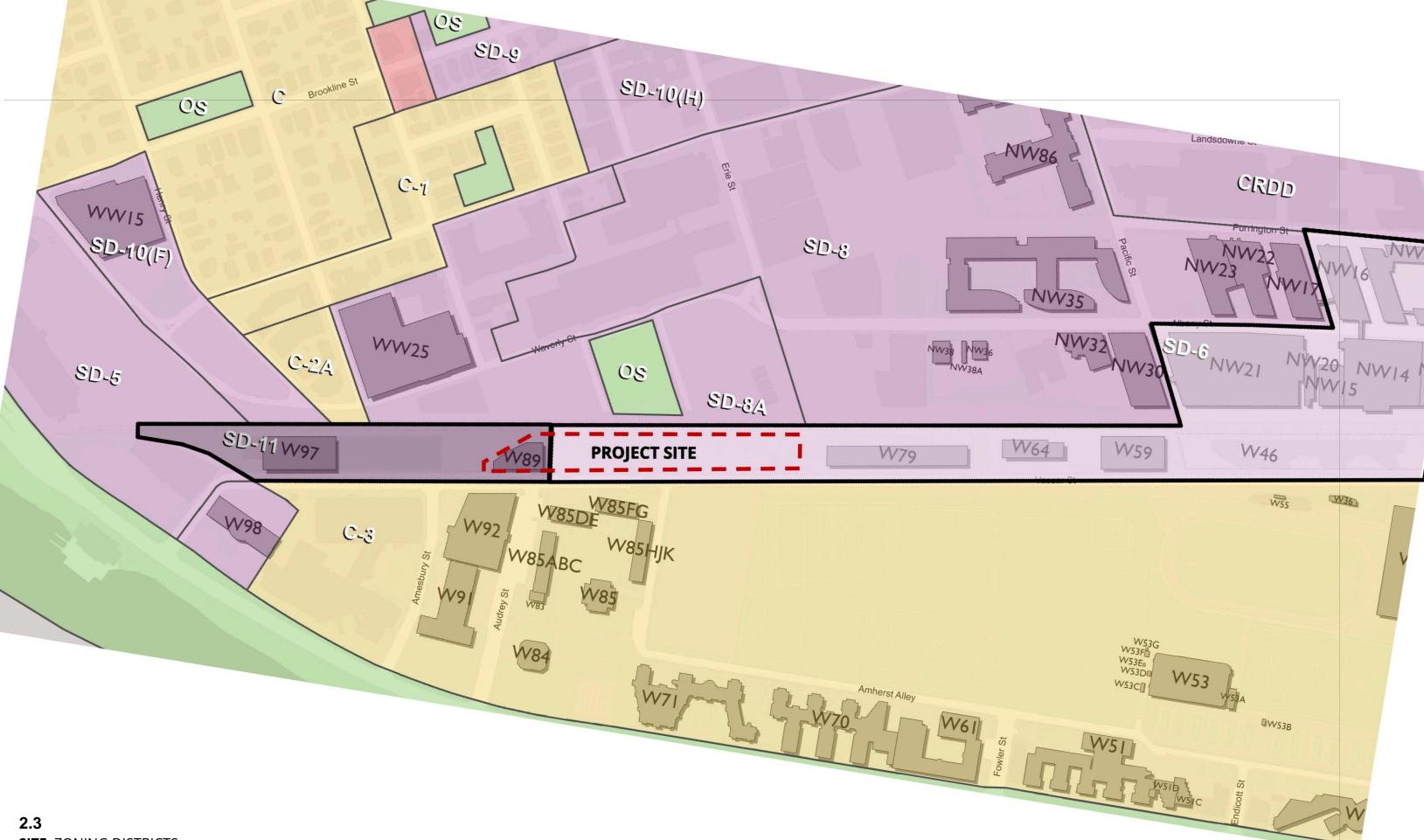


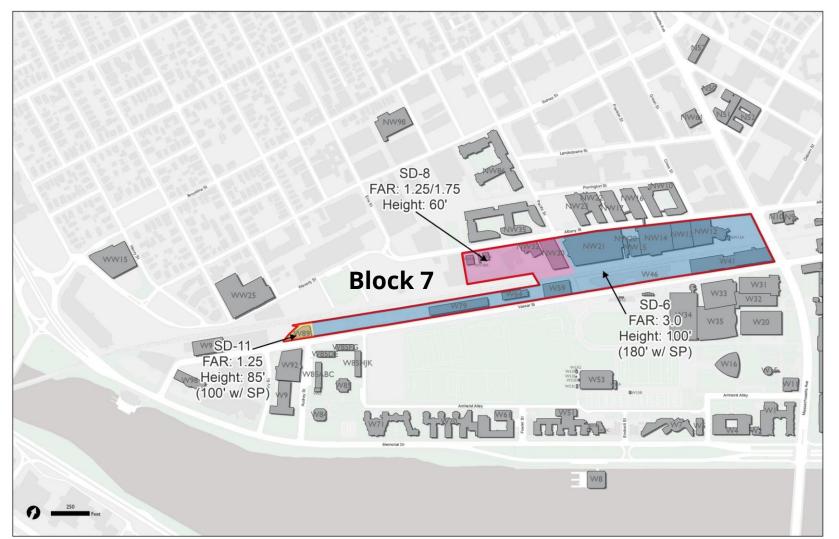












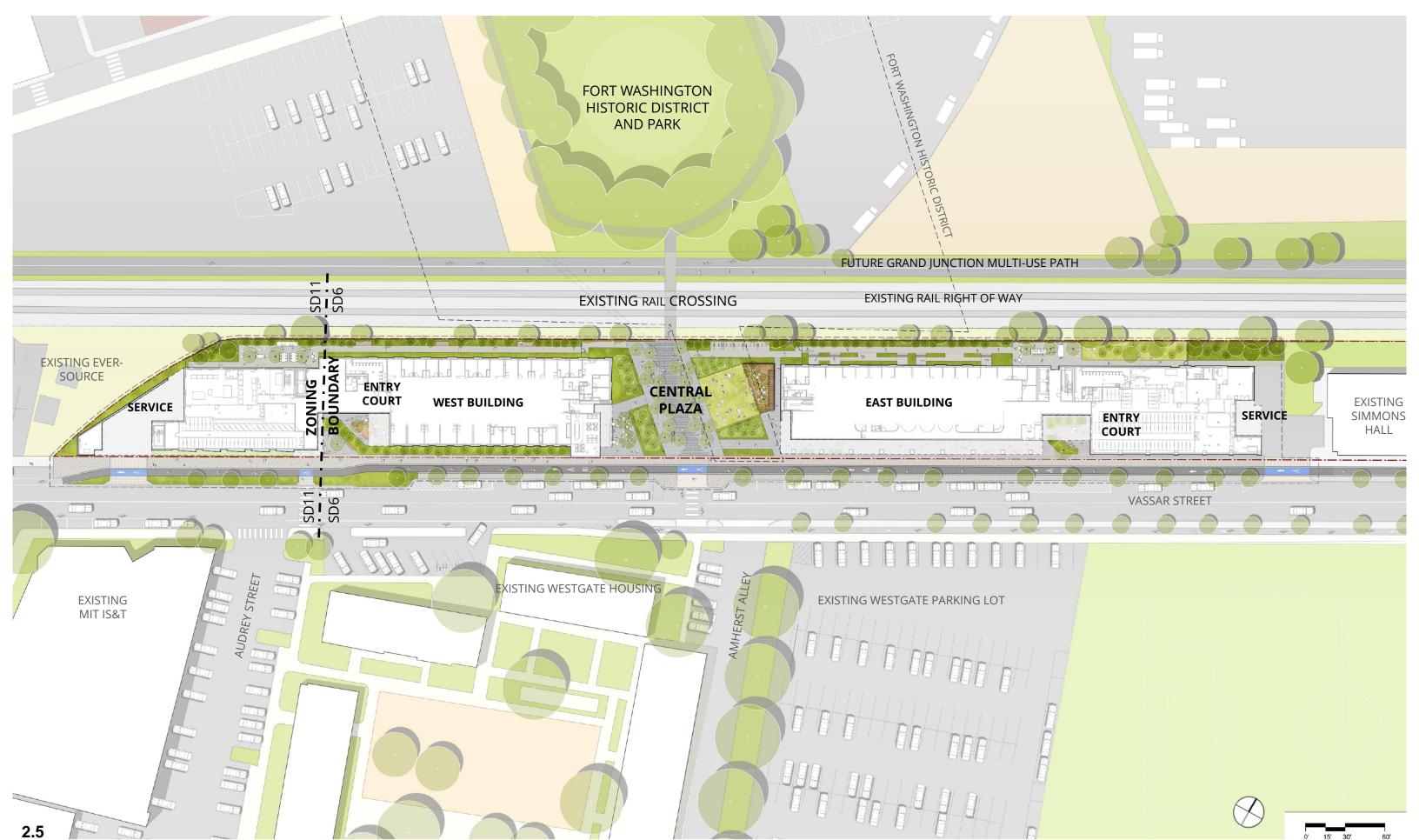
Lot area, total GFA, and FAR for the lot as shown in the dimensional form are calculated across "Block 7", a contiguous multi-building lot owned by MIT. The figure and chart provided above show the bounds of Block 7 and the associated aggregate calculations.

Block 7 Summary:

Max FAR, per Table 5-1	1.75 2.0 3.0	(SD-8 SD-11 SD-6)
Block 7 Land Area (SF)	765,106	
Block 7 Total Development Capacity (GFA)	2,102,877	

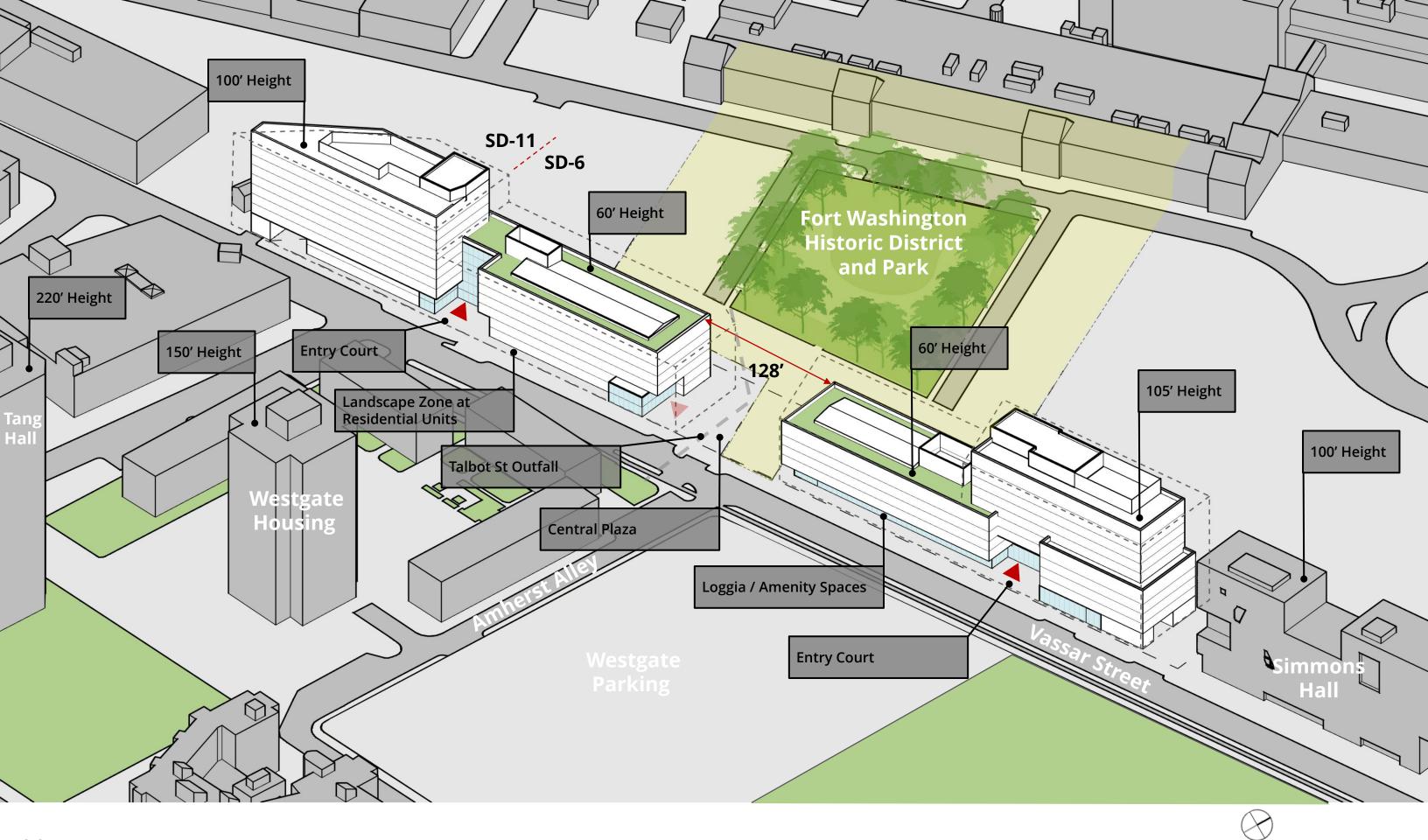
Calculations:

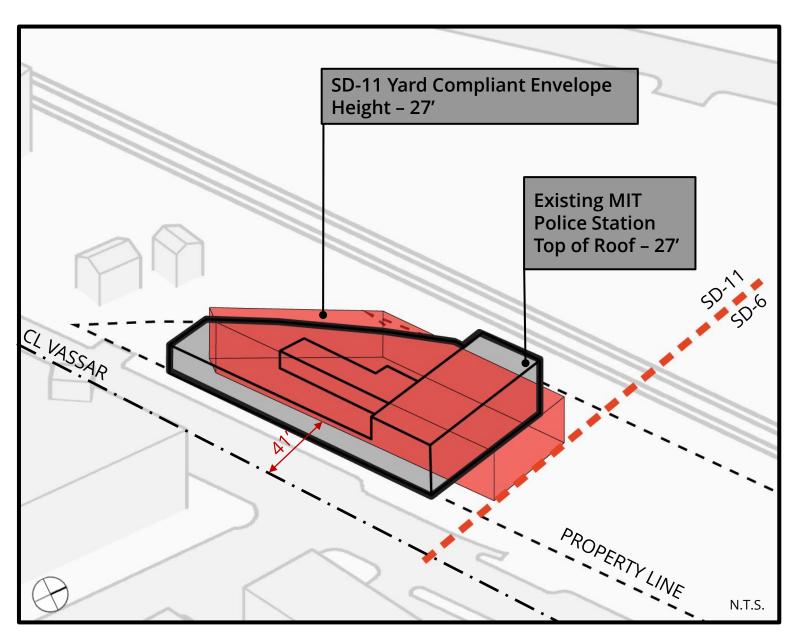
Existing Block 7 GFA	1,118,831	
Proposed Grad Housing Buildings GFA	328,050	
Total Proposed Block 7 GFA	1,431,972	(Existing + Proposed)
Proposed FAR	<u>1.87</u>	(Block 7 GSF / Block 7 land area)



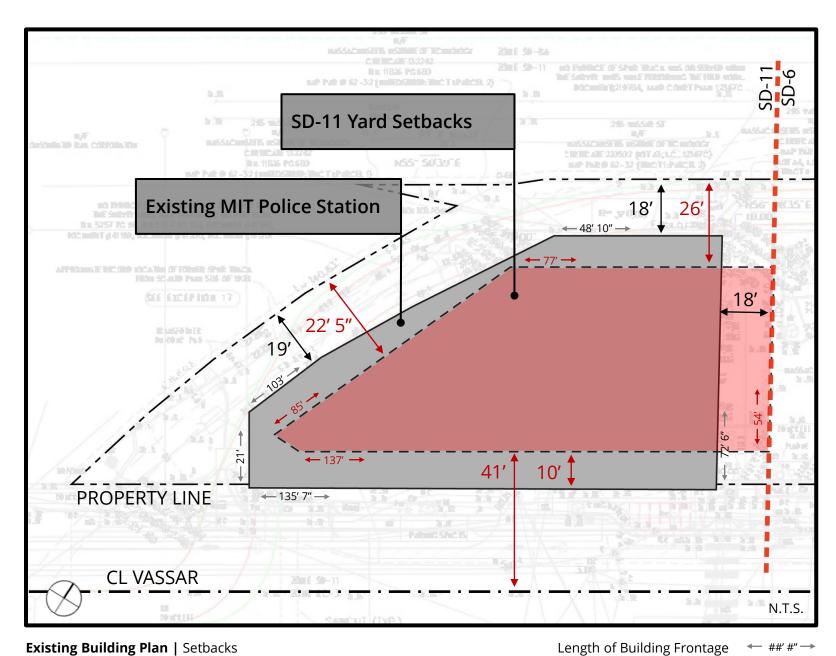
SITE PROPOSED SITE PLAN

7 JULY, 2021 | © KIERANTIMBERLAKE





Existing Building Axonometric | SD-11 Yard Compliant Envelope Height – 27'



SD – 11 Dimensional Requirements

	Allowed/Required	Existing
Maximum FAR	1.75 / 3.0**	1.5**
Maximum Height	85' / 100' ***	27'
Front Yard Setback*	(H+L) / 4 <i>41'</i>	31'
Side Yard Setback	(H+L) / 5 22′ 5″	19'
Rear Yard Setback	(H+L) / 4 26'	18'

^{*} Measured from the centerline of the street, but in no case may a building be nearer the street than ten (10) feet.

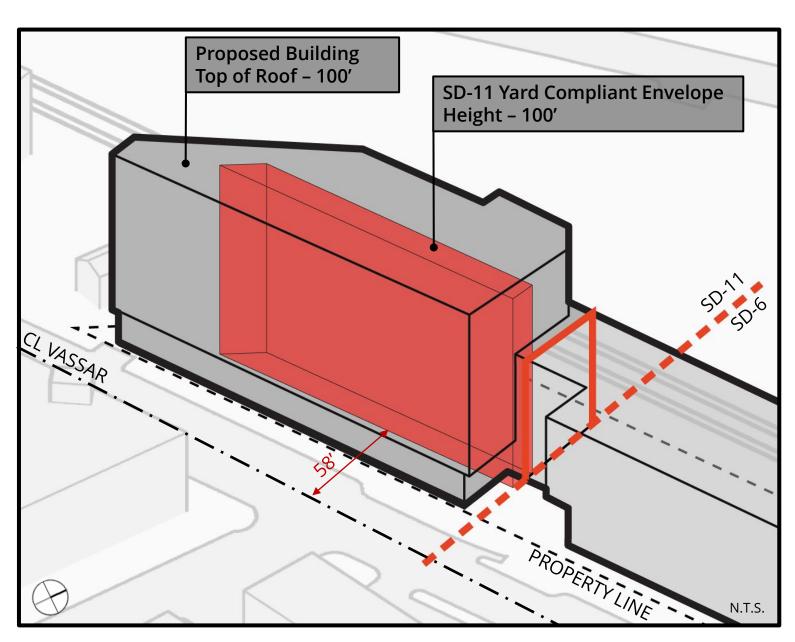
3.1

Compliant Building Frontage

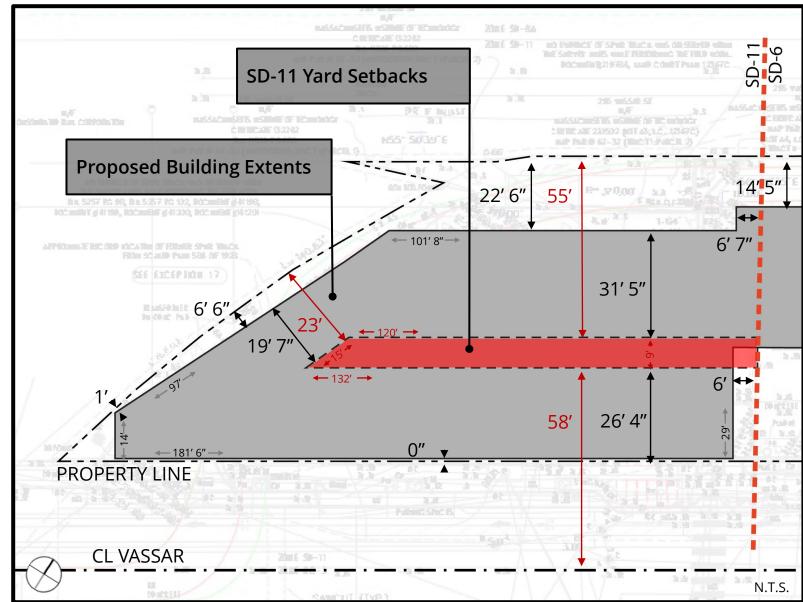
Setback Dimension

^{**} See section 2.4 for Block 7 FAR calculations

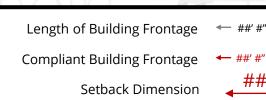
^{***} Height allowed by Special Permit in this district



Proposed Building Axonometric | SD-11 Yard Compliant Envelope Height – 100'



Proposed Building Plan | SD-11 Yard Compliant Setbacks



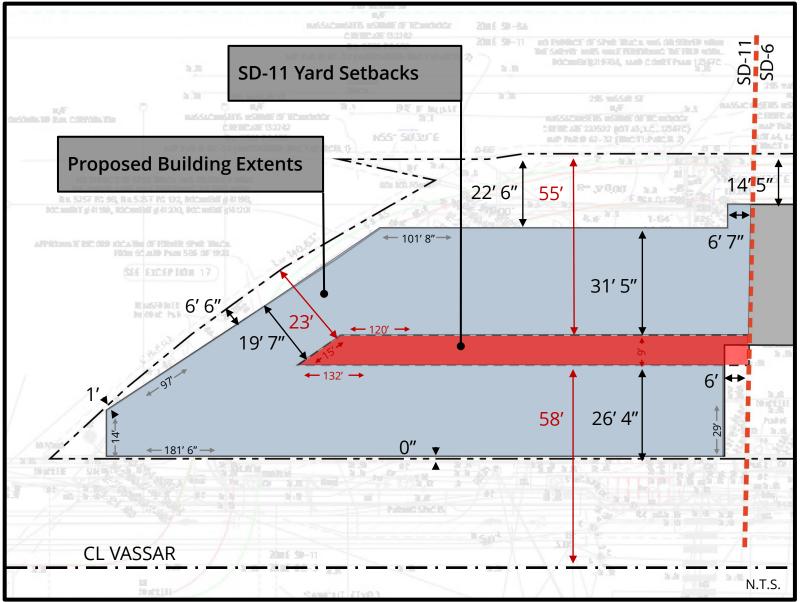
SD - 11 Dimensional Requirements

	Allowed/Required	Requested
Maximum FAR	1.75 / 3.0**	1.87 (Block 7)**
Maximum Height	85' / 100' ***	100′
Front Yard Setback*	(H+L) / 4 <i>58'</i>	31′
Side Yard Setback	(H+L) / 5 23'	0'
Rear Yard Setback	(H+L) / 4 55'	14′ 5″

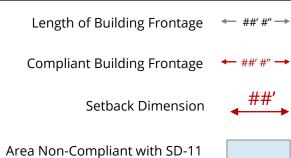
^{*} Measured from the centerline of the street, but in no case may a building be nearer the street than ten (10) feet.

^{**} See section 2.4 for Block 7 FAR calculations

^{***} Height allowed by Special Permit in this district



Proposed Building Plan | Setback Conflicts



Variance Requests

Allowing for the portion of the proposed building in SD-11 to comply with the adjacent SD-6 requirements

	SD-11 Setback	Calculated per 100'	Requested Setback	
North (Rear)	(H+L) / 4	58′	14′ 5″	
South (Front)	(H+L) / 4	55′	31′	
East	N/A	N/A	N/A	
West (Side)	(H+L) / 5	23′	0"	

MIT GRADUATE HOUSING AMERICAN CAMPUS COMMUNITIES

BZA VARIANCE APPLICATION

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ARCHITECT

KIERANTIMBERLAKE

841 NORTH AMERICAN STREET
PHILADELPHIA, PA 19123
V 215-922-6600
F 215-922-4680
kierantimberlake.com

STRUCTURAL ENGINEER

MCNAMARA SALVIA

101 FEDERAL STREET, SUITE 1100
BOSTON, MA 02110
V 617-737-0040

LANDSCAPE ARCHITECT

OJB LANDSCAPE ARCHITECTURE

1 BOWDOIN SQUARE, SUITE 801
BOSTON, MA 02114
V 857-233-5171

CIVIL ENGINEER

NITSCH ENGINEERING

2 CENTER PLAZA, SUITE 430
BOSTON, MA 02108
V 617-338-0063

INTERIORS

MERGE ARCHITECTS

332 CONGRESS ST, FLOOR 6
BOSTON, MA 02210
V 617-670-0265

BUILDING SYSTEMS ENGINEER AND CODE CONSULTANT

COSENTINI

101 FEDERAL ST, #600
BOSTON, MA 02110
V 617-748-7800

LOW VOLTAGE, SECURITY, TELECOM CONSULTANT

PLANNET CONSULTING

2951 Saturn Street, Suite E

Brea, CA 92821
V 844-982-5800

LIGHTING CONSULTANT

BURO HAPPBOLD

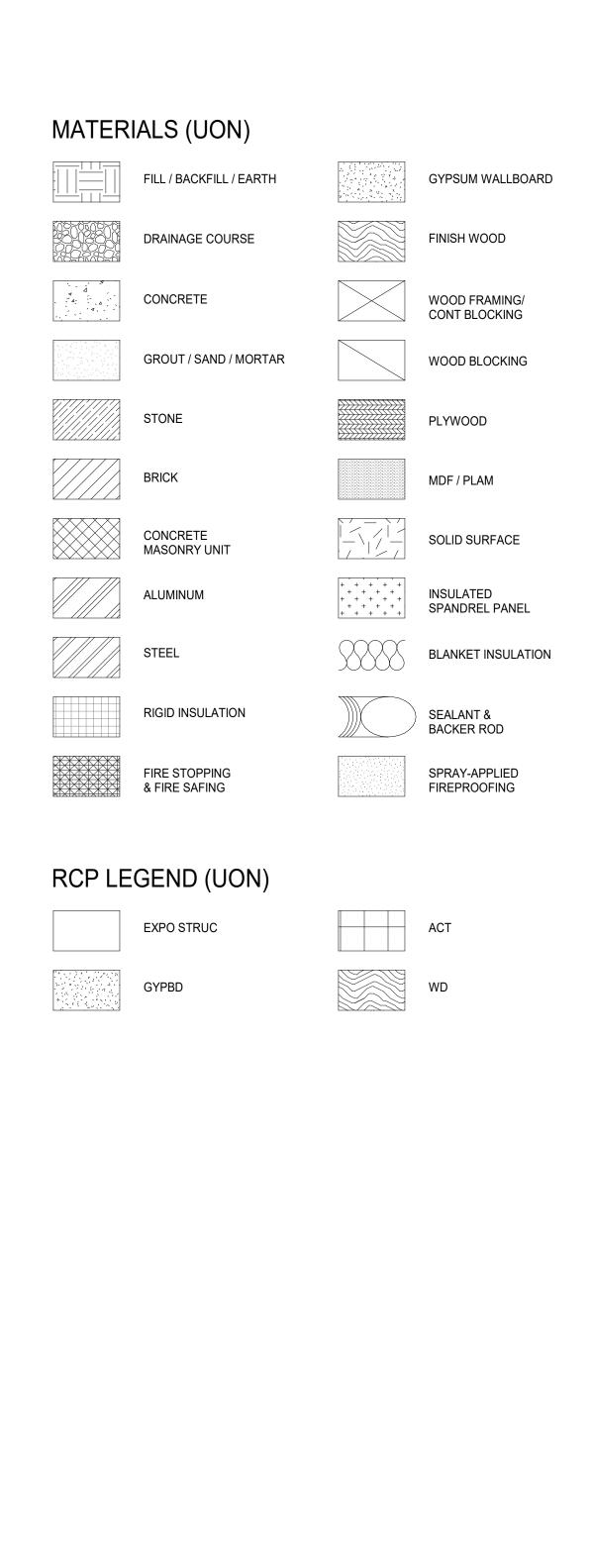
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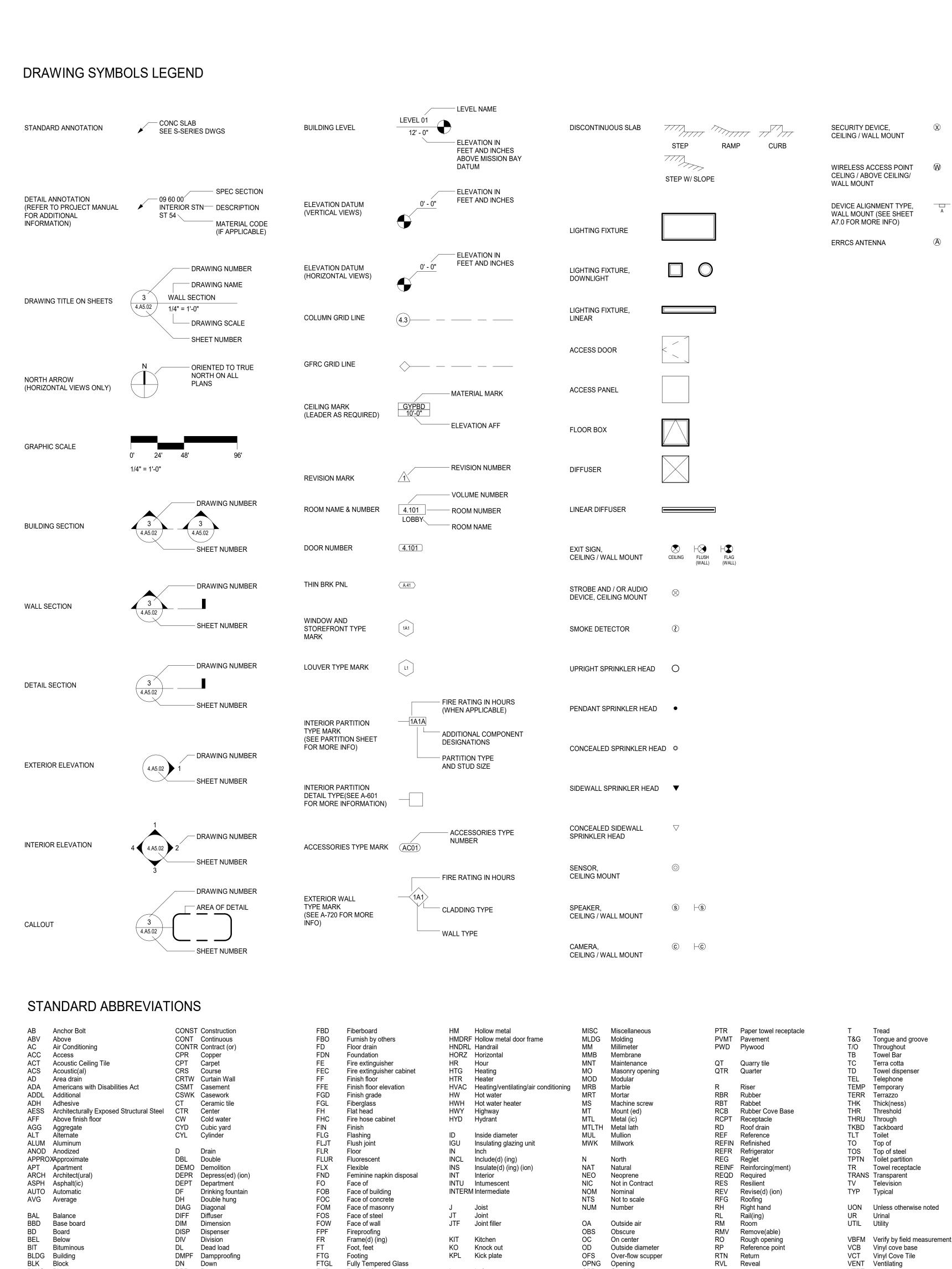
NEW YORK, NY 10005

V 212-334-2025



DRAWING INDEX			
ID	TITLE		
Z-001	SITE MAP & SHEET INDEX		
Z-002	SHEET LIST AND ABBREVIATIONS		
Z-101	OVERALL FLOOR PLANS - LEVEL 1 & 2		
Z-102	OVERALL FLOOR PLANS - LEVEL 3 & 4		
Z-103	OVERALL FLOOR PLANS - LEVEL 5 & 6		
Z-104	OVERALL FLOOR PLANS - LEVEL 7 & 8		
Z-105	OVERALL FLOOR PLANS - LEVEL 9 & 10		
Z-106	OVERALL FLOOR PLAN - ROOF		
Z-301	EXTERIOR ELEVATIONS - NORTH		
Z-302	EXTERIOR ELEVATIONS - SOUTH		
Z-303	EXTERIOR ELEVATIONS - EAST & WEST		
Z-304	EXTERIOR ELEVATIONS - COURTYARD		





OPP

OZ

PAR

PBD

PED

PFB

PR

PT

Opposite

OPPH Opposite hand

Ounce

Parallel Particle board

Pedestal PERF Perforate(d)

Prefabricated

Poured in place

Pounds per linear foot

Pounds per cubic foot

OVHD Overhead

PERIM Perimeter

PERP Perpendicular

Plate

PLAM Plastic laminate

PLAS Plaster

PLAT Platform
PLF Pounds pe

PLMB Plumbing

PMF Premolded filler

Pair

PREFAB Prefabricated

Point PTN Partition

PROJ Project

Panel

Paint(ed)

PRTR Preservative Treated

Prestressed

Pounds per square foot

Pounds per square inch

PLTR Planter

Left

Lag bolt

Label

Living room

Lath

Lintel

MATL Material

MBR Member

MAX Maximum

MB Machine bolt

MECH Mechanical

MEZZ Mezzanine

MIN Minimum MIR Mirror

MFR Manufacturer

LWC Lightweight concrete

LxWxH Length by width by height

Lead Coated Copper

LAB Laboratory

LAM Laminated

LAV Lavatory

LDR Leader

LBL

LCC

LMS

LTG

LTH

LTL

LR

FUR

FUT

GA GAL GALV GC

GKT Gasket GL Glass

GLBK Glass block

GND Ground

GT Grout GVL Gravel GYP Gypsum

GYPBD Gypsum Board

HDBD Hardboard

HDR Header

HDWR Hardware

HK Hook

Hose bibb

Hexagonal

Height

Hollow core

Handicapped accessible

Horizontal inside face

EPDM Ethylene Propylene Diene Terpolyme GRP Glass-fiber reinforced plastic resin LVR Louver
EPS Expanded polystyrene GT Grout LW Lightweig
EPX Epoxy GVL Gravel LWC Lightweig

HC

HEX

HGT

HIF

GRDRL Guard rail GRN Granite

GLU LAM Glue laminated

Furr(ed) furring

Future

Gauge Gallon

Galvanized

Ground face

General contractor

GFRC Glass Fiber Reinforced Concrete LH

GFRG Glass Fiber Reinforced Gypsum LIN

DPR Damper

DW Dishwashe DWG Drawing DWL Dowel

DWR Drawer

Each

EB Expansion bolt

ELAS Elastomeric

ELEC Electrical

ELEV Elevation

EMER Emergency

ENCL Enclosure

ENTR Entrance

EQ Equal EQPT Equipment

EXG Existing

EXH Exhaust

EXT Exterior

EXPO Exposed

EXTR Extrusion

FA Fire alarm

EWC Electrical water cooler

FAB Fabricated, fabricator

FAR Floor Area Ratio

FAS Fastener, fastened

EP Electrical panel

Expansion joint

E East

Downspout

Dishwasher

DR

BLKG Blocking

BRK Brick BRKT Bracket

BRZ Bronze

BTW Between

BYD Beyond

CB Catch bas CBNT Cabinet

BUR Built-up roofing BVL Beveled

Channel

Cement

Cubic foot

Control joint

Center line

CMU Concrete masonry units

COMPR Compress(ed) (ion) (ible)

CIRC Circumference

Closet

CLR Clear(ance)

CNDT Conduit

CNTR Counter

COL Column

CONC Concrete

COND Condition

CONN Connect(or) (ion)

Catch basin

Center to center

Counterflashing

BS

CC

CEM

CFT

BOS Bottom of steel
BR Bedroom

Both sides

ARCHITECT KIERANTIMBERLAKE 841 NORTH AMERICAN STREET PHILADELPHIA, PA 19123 V 215-922-6600 F 215-922-4680 kierantimberlake.com CIVIL ENGINEER NITSCH ENGINEERING 2 CENTER PLAZA, SUITE 430 BOSTON, MA 02108 V 617-338-0063

X X

W \textcircled{W}_{Δ} $\vdash \textcircled{W}$

F 617-338-6472 LANDSCAPE ARCHITECT OJB LANDSCAPE ARCHITECTURE 1 BOWDOIN SQUARE, SUITE 801 BOSTON, MA 02114

STRUCTURAL ENGINEER MCNAMARA SALVIA 101 FEDERAL STREET, SUITE 1100 BOSTON, MA 02110 V 617-737-0040

V 857-233-5171

BUILDING SYSTEMS ENGINEER AND CODE CONSULTANT COSENTINI 101 FEDERAL ST, #600 BOSTON, MA 02110 V 617-748-7800

INTERIORS MERGE ARCHITECTS 332 CONGRESS ST, FLOOR 6 BOSTON, MA 02210 V 617-670-0265

MIT GRADUATE HOUSING

AMERICAN CAMPUS COMMUNITIES

269-301 VASSAR STREET CAMBRIDGE, MA 02139

KT PROJECT NO. KT 915



SHEET LIST AND **ABBREVIATIONS**

SCALE: 12" = 1'-0"

VERT Vertical

VIN Vinyl VNR Veneer

VOL Volume

W/ With
W/O Without
WD Wood
WDW Window

WGL Wired glass WM Wire mesh

WPF Waterproofing

WS Water stop

WSCT Wainscot WT Weight

YD Yard

West

Wide flange

Working point

WTW Wall to wall WWF Welded wire fabric

Number / Pound

Center line

Year

Vapor retarder

South

SCHD Schedule

SCN Screen

SECT Section

SKL Skylight SLNT Sealant

SLV Sleeve

Solid core

Storm drain

SFP Sprayed fireproofing

Similar

Slate

SPEC Specification(s)

SQ Square SST Stainless steel

STC Sound Transmission Class

STAG Staggered

STD Standard

STG Seating STL Steel

STOR Storage

SW Switch

SYM Symmetrical SYS System

STRUC Structural SUR Surface SUSP Suspended

STN Stone

SPC Space (ing)

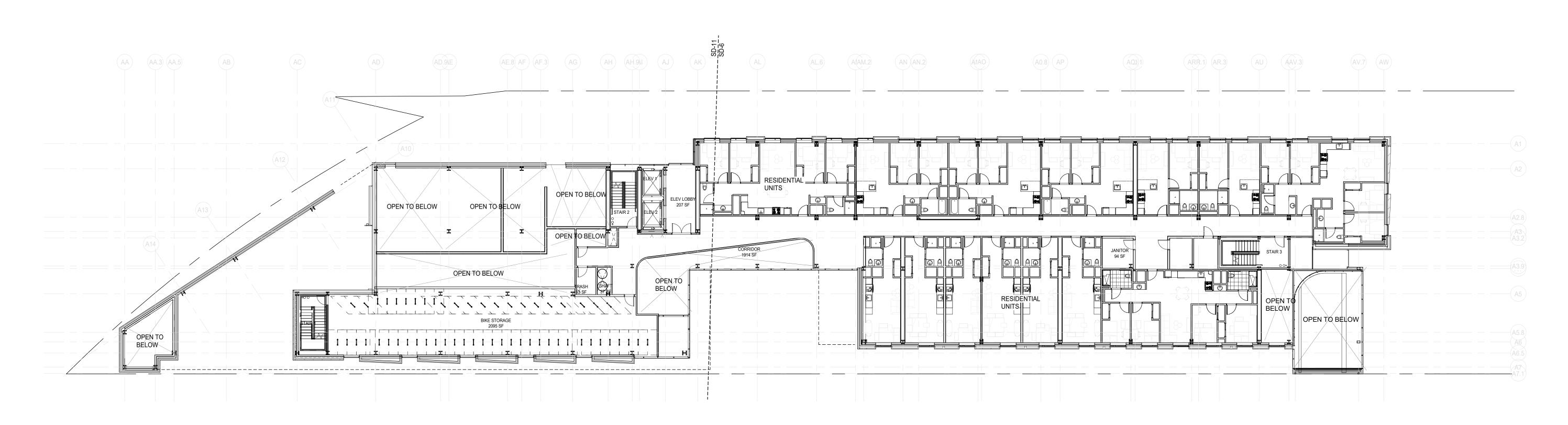
SPKR Speaker

SPR Sprinkler

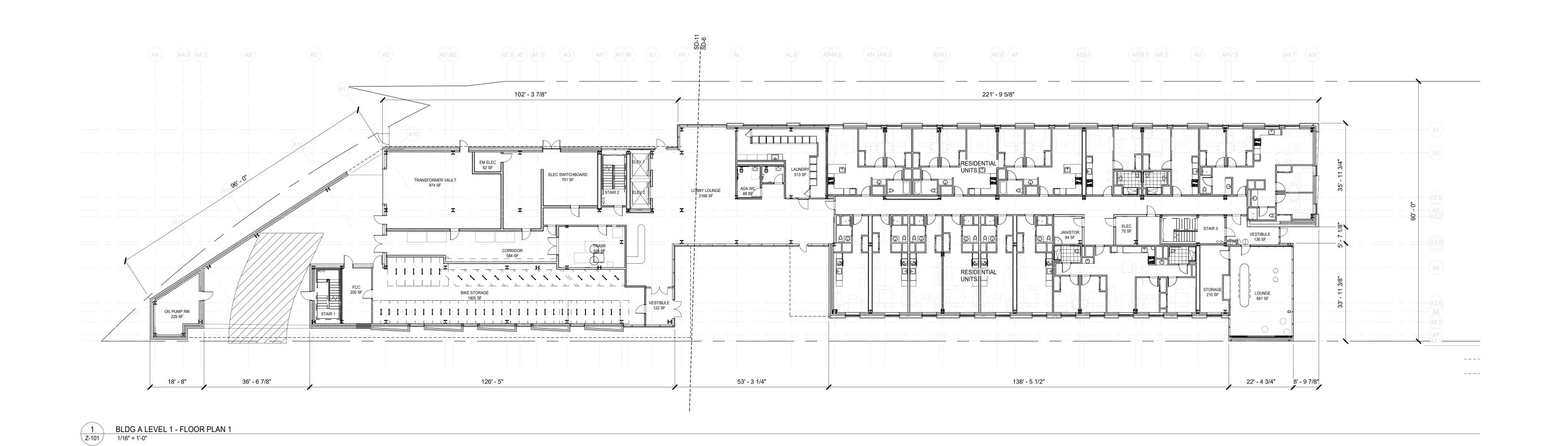
Shelf, shelving

Z-002

BZA VARIANCE APPLICATION







4.2 Plans

REVIT 2020

ARCHITECT
KIERANTIMBERLAKE
841 NORTH AMERICAN STREET
PHILADELPHIA, PA 19123
V 215-922-6600
F 215-922-4680
kierantimberlake.com

CIVIL ENGINEER
NITSCH ENGINEERING
2 CENTER PLAZA, SUITE 430
BOSTON, MA 02108
V 617-338-0063
F 617-338-6472

LANDSCAPE ARCHITECT
OJB LANDSCAPE ARCHITECTURE
1 BOWDOIN SQUARE, SUITE 801
BOSTON, MA 02114
V 857-233-5171

STRUCTURAL ENGINEER
MCNAMARA SALVIA
101 FEDERAL STREET, SUITE 1100
BOSTON, MA 02110
V 617-737-0040

BUILDING SYSTEMS ENGINEER AND CODE CONSULTANT COSENTINI 101 FEDERAL ST, #600 BOSTON, MA 02110 V 617-748-7800

INTERIORS
MERGE ARCHITECTS
332 CONGRESS ST, FLOOR 6
BOSTON, MA 02210
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AMERICAN CAMPUS COMMUNITIES

269-301 VASSAR STREET CAMBRIDGE, MA 02139

KT PROJECT NO. KT 915



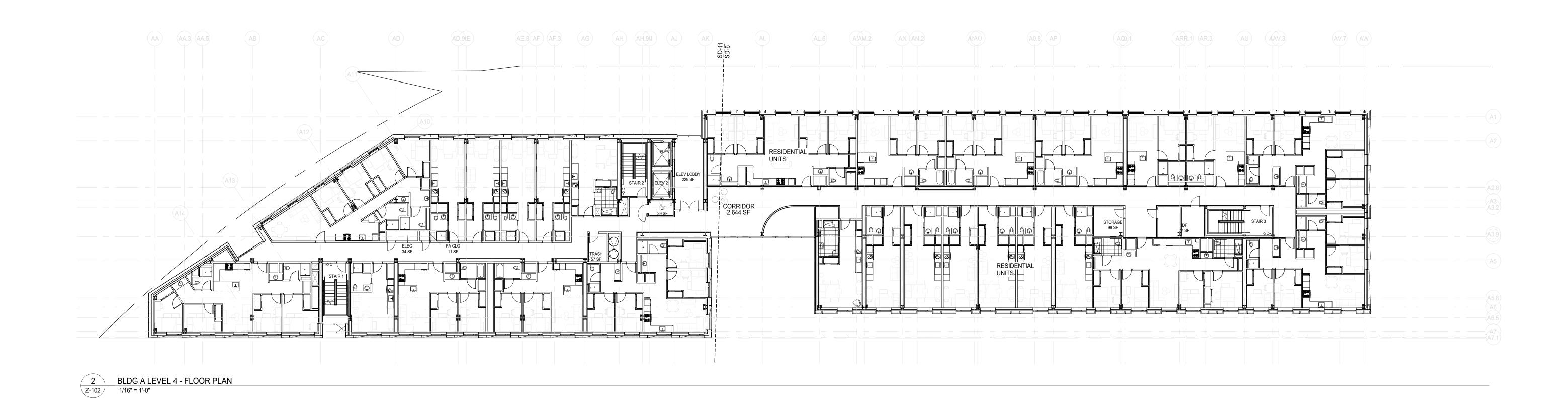
OVERALL FLOOR PLANS -LEVEL 1 & 2

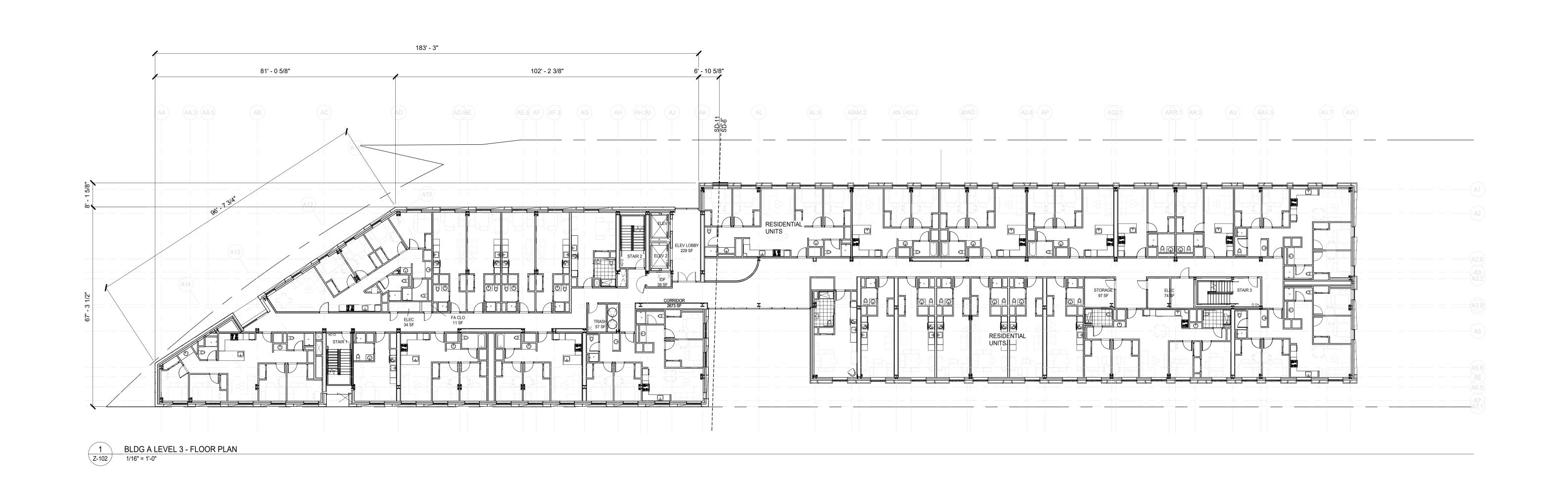
SCALE: 1/16" = 1'-0"

Z-101

BZA VARIANCE APPLICATION

NOT FOR CONSTRUCTION





ARCHITECT
KIERANTIMBERLAKE
841 NORTH AMERICAN STREET
PHILADELPHIA, PA 19123
V 215-922-6600
F 215-922-4680
kierantimberlake.com

CIVIL ENGINEER
NITSCH ENGINEERING
2 CENTER PLAZA, SUITE 430
BOSTON, MA 02108
V 617-338-0063
F 617-338-6472

LANDSCAPE ARCHITECT
OJB LANDSCAPE ARCHITECTURE
1 BOWDOIN SQUARE, SUITE 801
BOSTON, MA 02114
V 857-233-5171

STRUCTURAL ENGINEER
MCNAMARA SALVIA
101 FEDERAL STREET, SUITE 1100
BOSTON, MA 02110
V 617-737-0040

BUILDING SYSTEMS ENGINEER AND CODE CONSULTANT COSENTINI 101 FEDERAL ST, #600 BOSTON, MA 02110 V 617-748-7800

INTERIORS
MERGE ARCHITECTS
332 CONGRESS ST, FLOOR 6
BOSTON, MA 02210
V 617-670-0265

MIT GRADUATE HOUSING

AMERICAN CAMPUS COMMUNITIES

269-301 VASSAR STREET CAMBRIDGE, MA 02139

KT PROJECT NO. KT 915



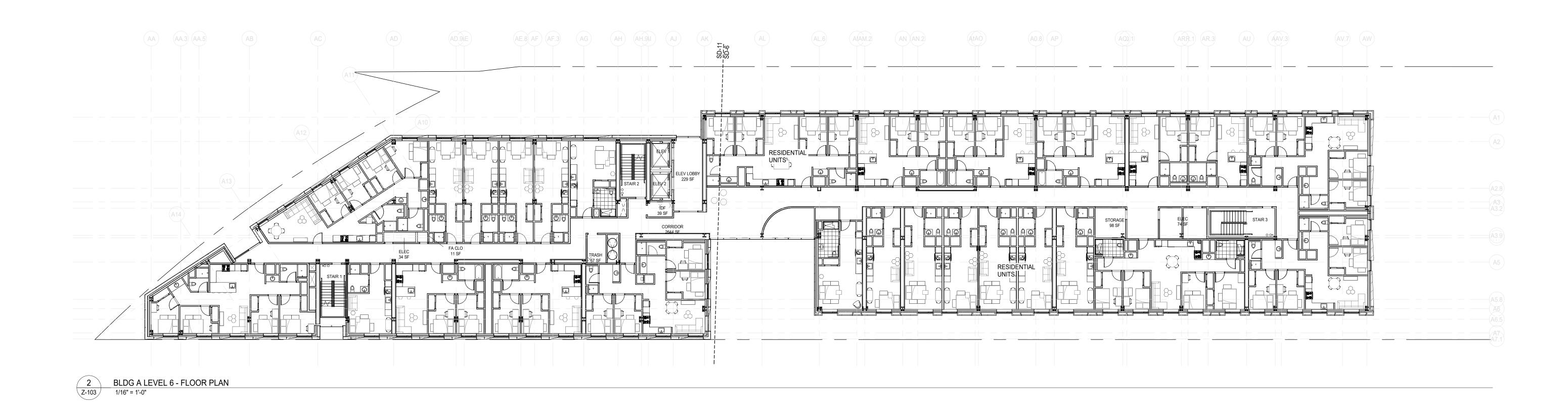
OVERALL FLOOR PLANS -LEVEL 3 & 4

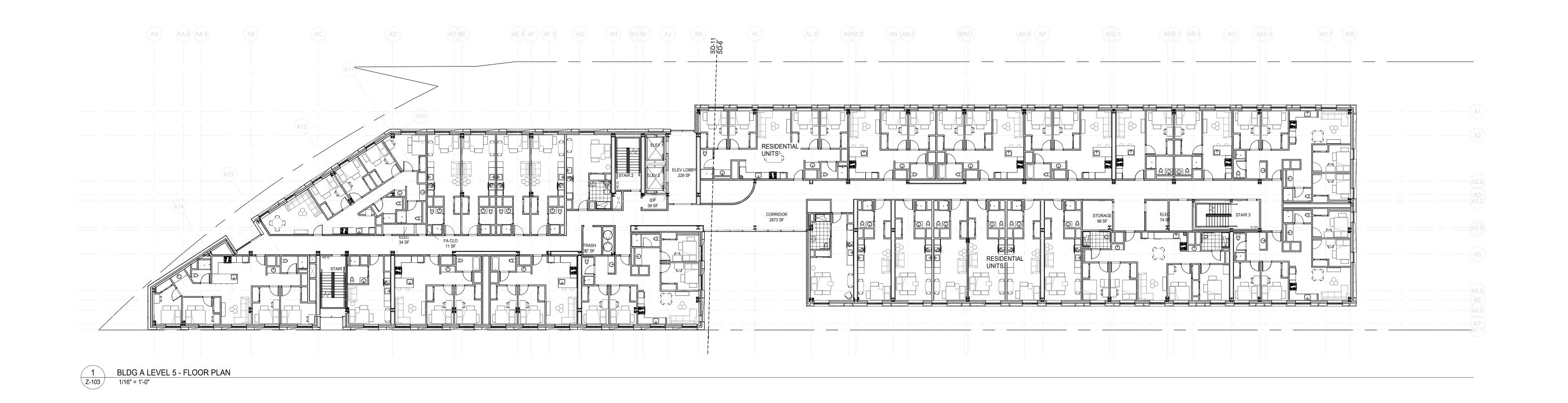
SCALE: 1/16" = 1'-0"

Z-102

BZA VARIANCE APPLICATION

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ARCHITECT

KIERANTIMBERLAKE

841 NORTH AMERICAN STREET
PHILADELPHIA, PA 19123
V 215-922-6600
F 215-922-4680
kierantimberlake.com

CIVIL ENGINEER
NITSCH ENGINEERING
2 CENTER PLAZA, SUITE 430
BOSTON, MA 02108
V 617-338-0063
F 617-338-6472

LANDSCAPE ARCHITECT
OJB LANDSCAPE ARCHITECTURE
1 BOWDOIN SQUARE, SUITE 801
BOSTON, MA 02114
V 857-233-5171

STRUCTURAL ENGINEER
MCNAMARA SALVIA
101 FEDERAL STREET, SUITE 1100
BOSTON, MA 02110
V 617-737-0040

BUILDING SYSTEMS ENGINEER AND CODE CONSULTANT COSENTINI 101 FEDERAL ST, #600 BOSTON, MA 02110 V 617-748-7800

INTERIORS
MERGE ARCHITECTS
332 CONGRESS ST, FLOOR 6
BOSTON, MA 02210
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MIT GRADUATE HOUSING

AMERICAN CAMPUS COMMUNITIES

269-301 VASSAR STREET CAMBRIDGE, MA 02139

KT PROJECT NO. KT 915



OVERALL FLOOR PLANS -LEVEL 5 & 6

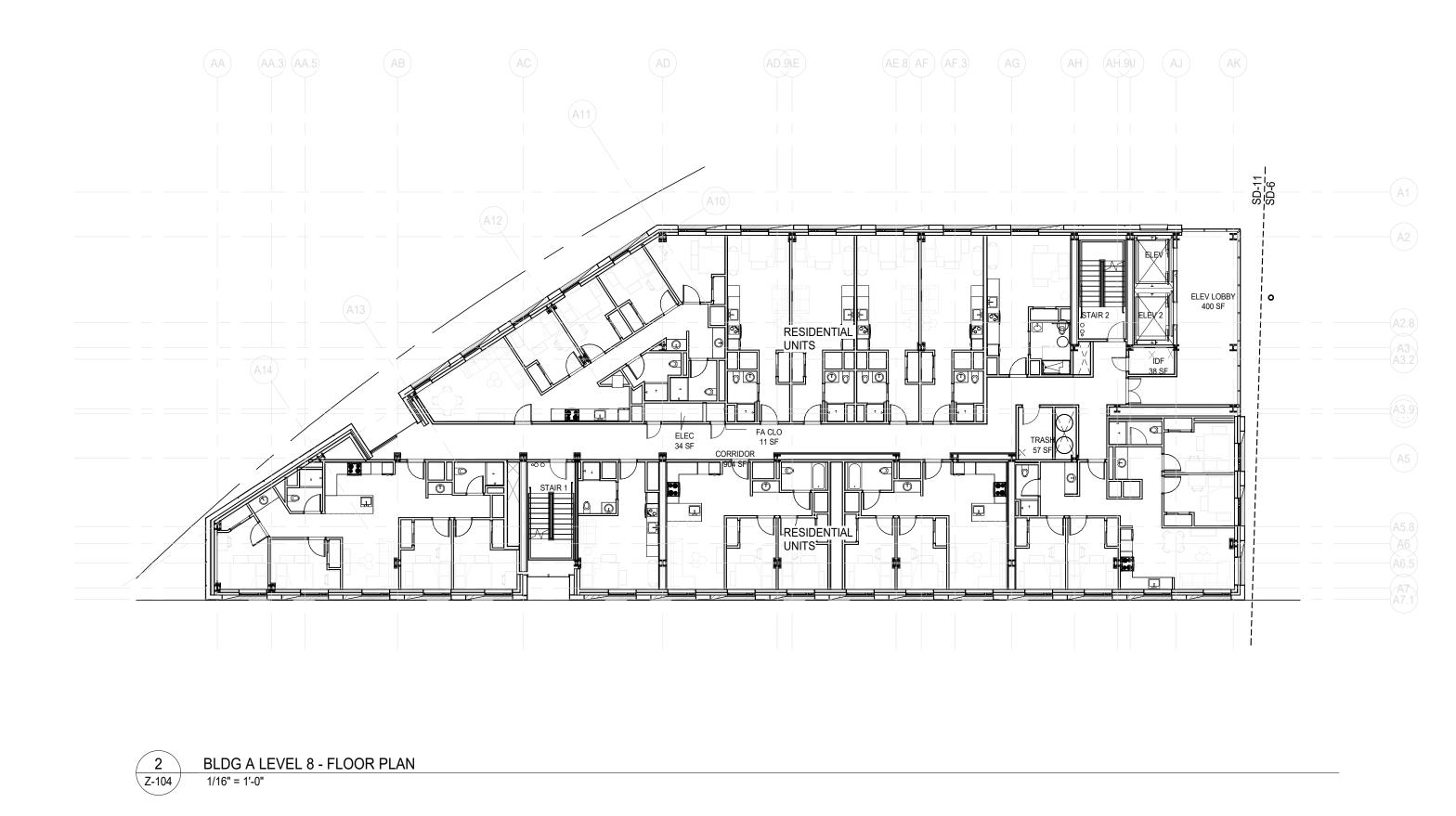
SCALE: 1/16" = 1'-0"

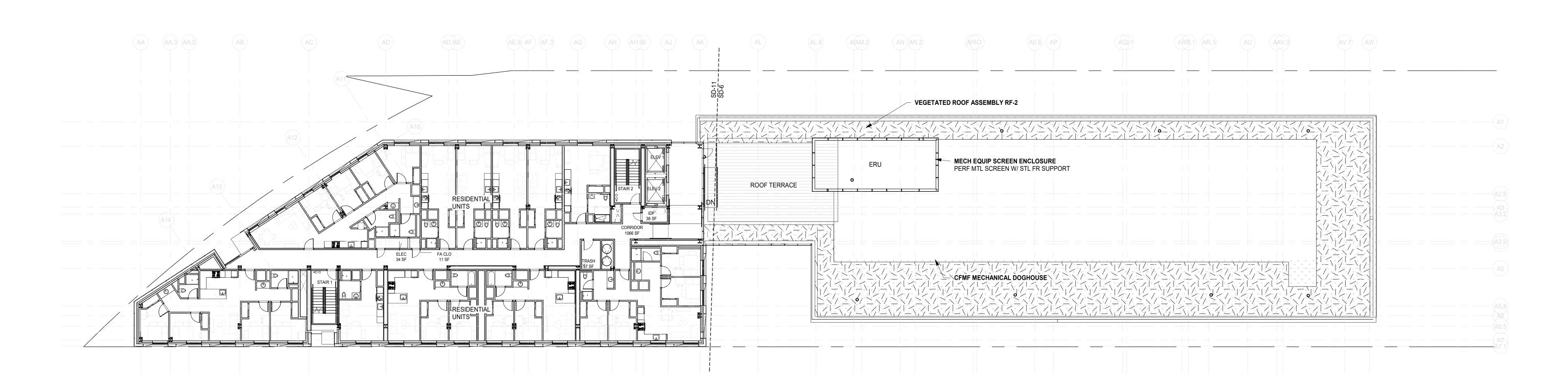
Z-103

BZA VARIANCE APPLICATION

NOT FOR CONSTRUCTION

REVIT 2020





1 BLDG A LEVEL 7 - FLOOR PLAN
2-104 1/16" = 1'-0"

4.2 Plans

REVIT 2020

ARCHITECT
KIERANTIMBERLAKE
841 NORTH AMERICAN STREET
PHILADELPHIA, PA 19123
V 215-922-6600
F 215-922-4680
kierantimberlake.com

CIVIL ENGINEER
NITSCH ENGINEERING
2 CENTER PLAZA, SUITE 430
BOSTON, MA 02108
V 617-338-0063
F 617-338-6472

LANDSCAPE ARCHITECT
OJB LANDSCAPE ARCHITECTURE
1 BOWDOIN SQUARE, SUITE 801
BOSTON, MA 02114
V 857-233-5171

STRUCTURAL ENGINEER
MCNAMARA SALVIA
101 FEDERAL STREET, SUITE 1100
BOSTON, MA 02110
V 617-737-0040

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INTERIORS
MERGE ARCHITECTS
332 CONGRESS ST, FLOOR 6
BOSTON, MA 02210
V 617-670-0265

MIT GRADUATE HOUSING

AMERICAN CAMPUS COMMUNITIES

269-301 VASSAR STREET CAMBRIDGE, MA 02139

KT PROJECT NO. KT 915



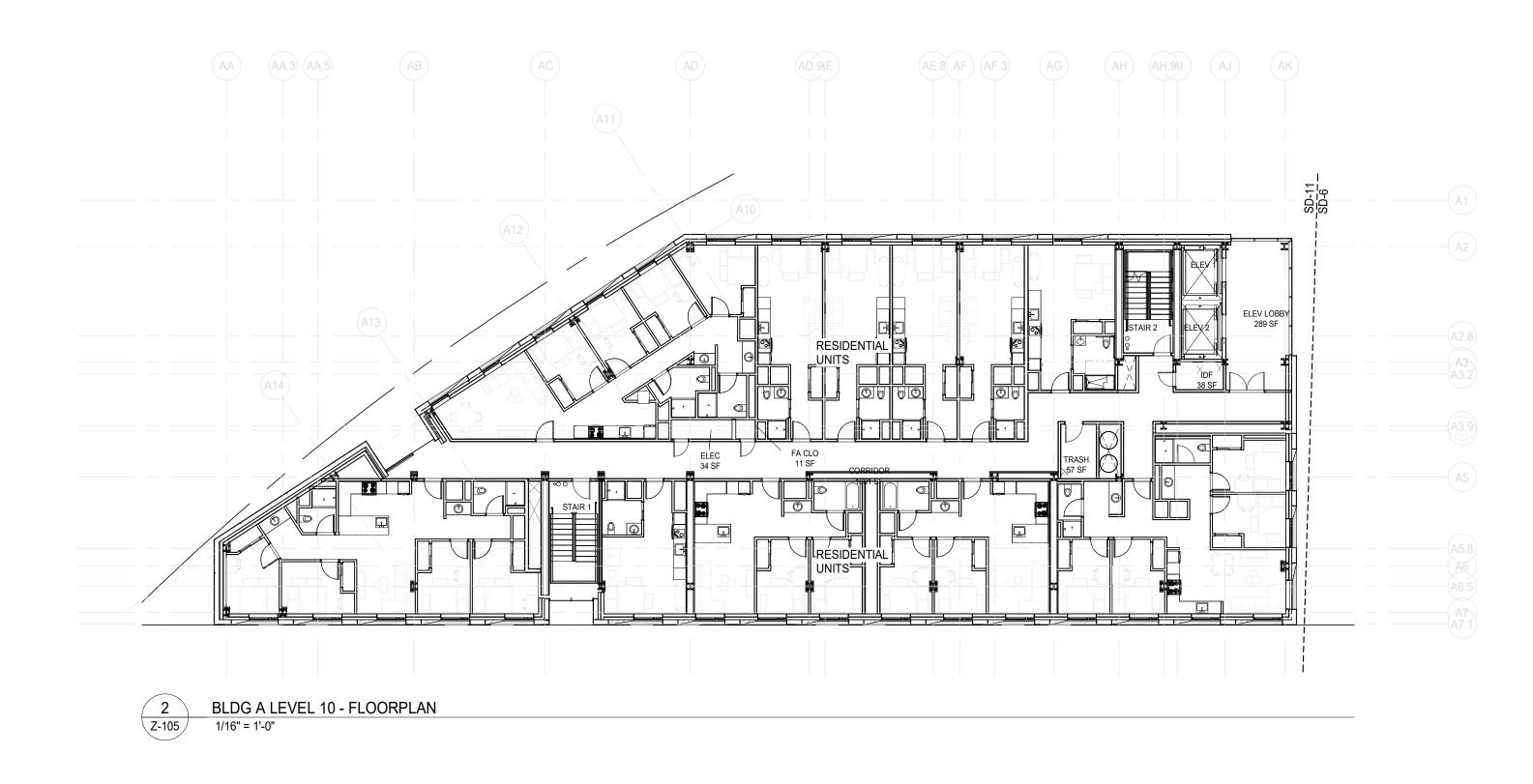
OVERALL FLOOR PLANS -LEVEL 7 & 8

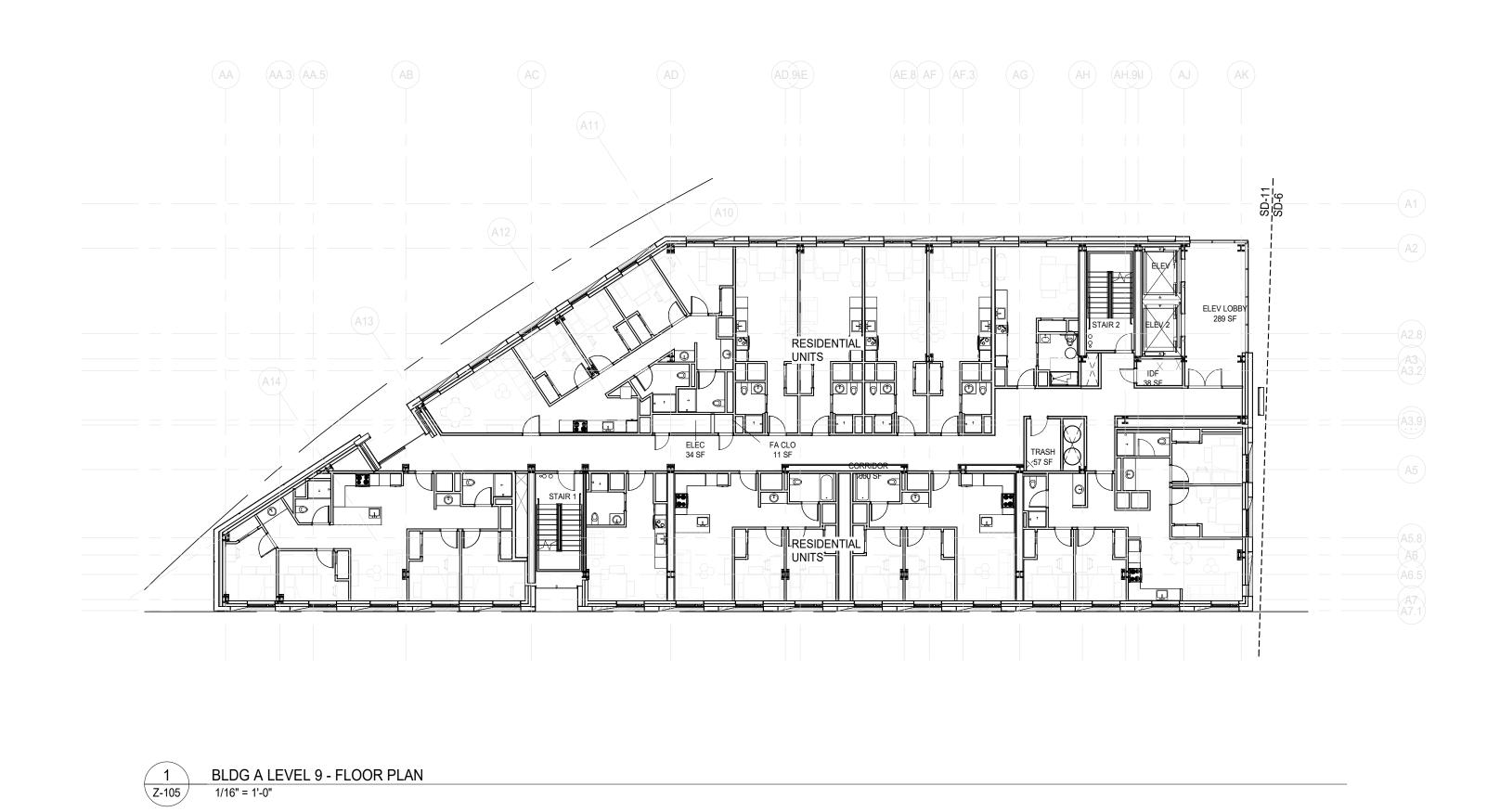
SCALE: 1/16" = 1'-0"

Z-104

BZA VARIANCE APPLICATION

NOT FOR CONSTRUCTION





ARCHITECT

KIERANTIMBERLAKE
841 NORTH AMERICAN STREET
PHILADELPHIA, PA 19123
V 215-922-6600
F 215-922-4680
kierantimberlake.com

CIVIL ENGINEER
NITSCH ENGINEERING
2 CENTER PLAZA, SUITE 430
BOSTON, MA 02108
V 617-338-0063
F 617-338-6472

LANDSCAPE ARCHITECT

OJB LANDSCAPE ARCHITECTURE

1 BOWDOIN SQUARE, SUITE 801

BOSTON, MA 02114

V 857-233-5171

STRUCTURAL ENGINEER
MCNAMARA SALVIA
101 FEDERAL STREET, SUITE 1100
BOSTON, MA 02110
V 617-737-0040

BUILDING SYSTEMS ENGINEER AND CODE CONSULTANT COSENTINI 101 FEDERAL ST, #600 BOSTON, MA 02110 V 617-748-7800

INTERIORS
MERGE ARCHITECTS
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KT PROJECT NO. KT 915



OVERALL FLOOR PLANS -LEVEL 9 & 10

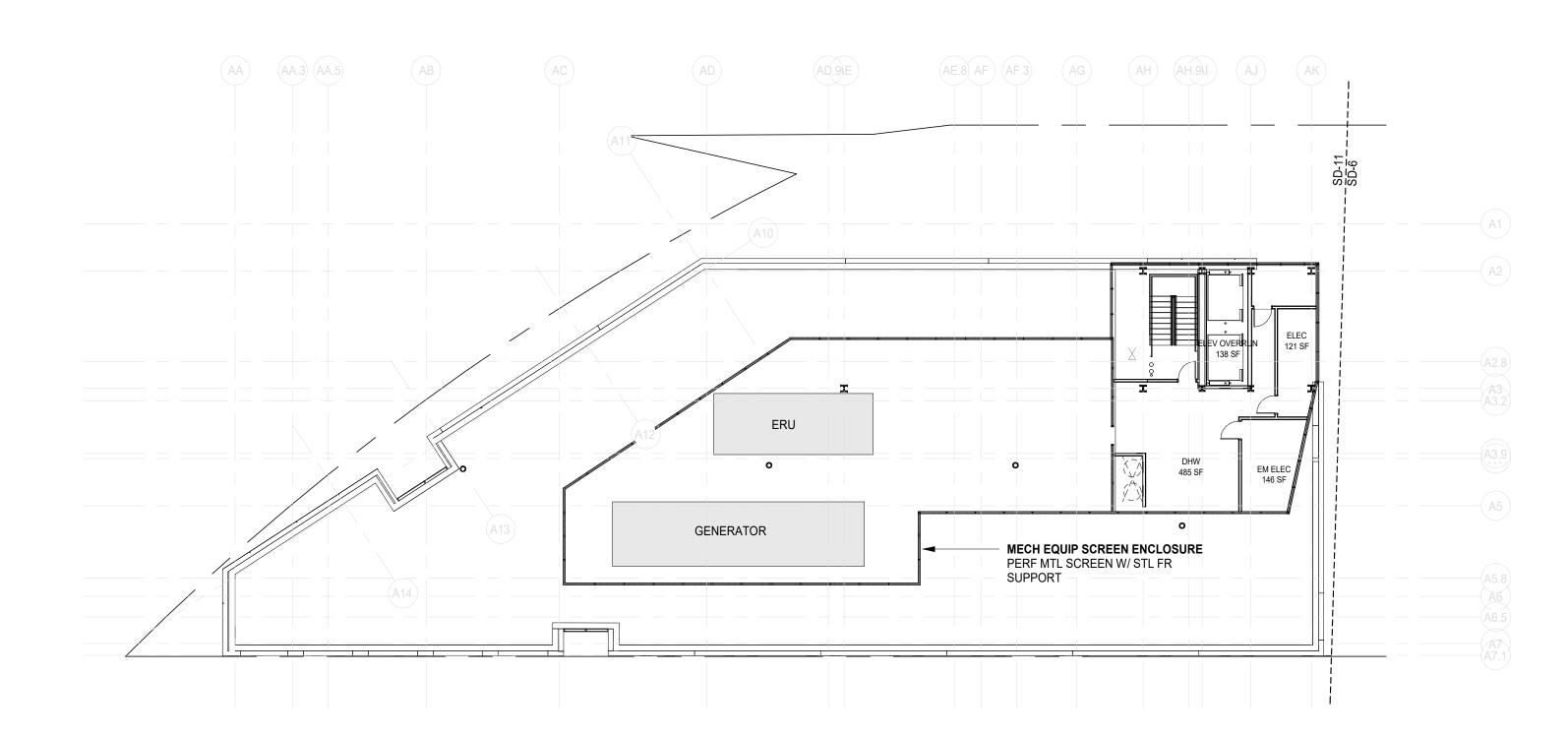
SCALE: 1/16" = 1'-0"

Z-105

BZA VARIANCE APPLICATION

NOT FOR CONSTRUCTION

REVIT 2020



1 BLDG A ROOF - FLOOR PLAN

Z-106 1/16" = 1'-0"

4.2 Plans

REVIT 2020

ARCHITECT

KIERANTIMBERLAKE

841 NORTH AMERICAN STREET
PHILADELPHIA, PA 19123
V 215-922-6600
F 215-922-4680
kierantimberlake.com

CIVIL ENGINEER
NITSCH ENGINEERING
2 CENTER PLAZA, SUITE 430
BOSTON, MA 02108
V 617-338-0063
F 617-338-6472

LANDSCAPE ARCHITECT

OJB LANDSCAPE ARCHITECTURE

1 BOWDOIN SQUARE, SUITE 801

BOSTON, MA 02114

V 857-233-5171

STRUCTURAL ENGINEER
MCNAMARA SALVIA
101 FEDERAL STREET, SUITE 1100
BOSTON, MA 02110
V 617-737-0040

BUILDING SYSTEMS ENGINEER AND CODE CONSULTANT COSENTINI 101 FEDERAL ST, #600 BOSTON, MA 02110 V 617-748-7800

INTERIORS
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332 CONGRESS ST, FLOOR 6
BOSTON, MA 02210
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MIT GRADUATE HOUSING

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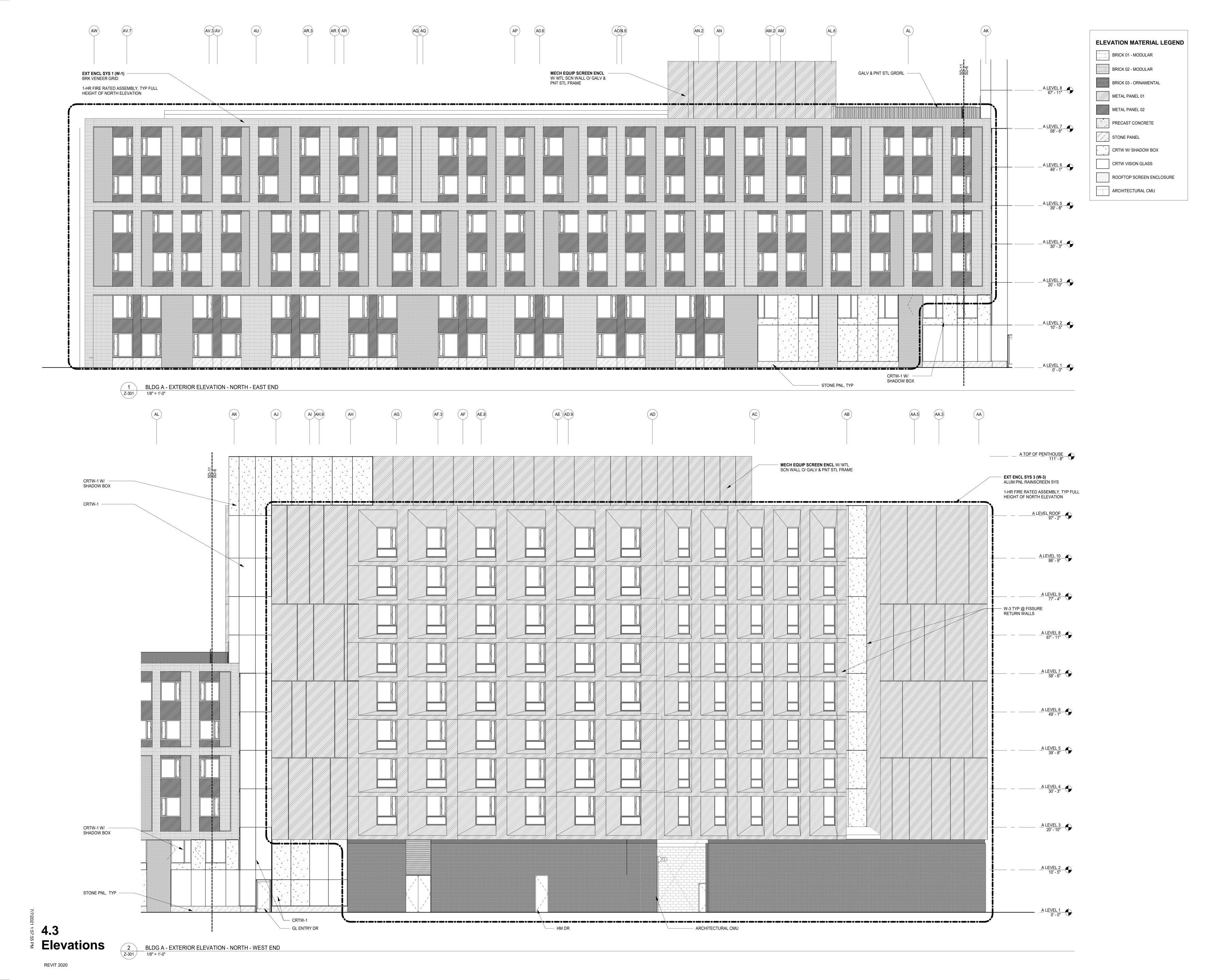


OVERALL FLOOR PLAN -ROOF

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

Z-106

BZA VARIANCE APPLICATION



ARCHITECT

KIERANTIMBERLAKE

841 NORTH AMERICAN STREET
PHILADELPHIA, PA 19123
V 215-922-6600
F 215-922-4680

kierantimberlake.com

CIVIL ENGINEER

NITSCH ENGINEERING
2 CENTER PLAZA, SUITE 430
BOSTON, MA 02108
V 617-338-0063

F 617-338-6472

LANDSCAPE ARCHITECT
OJB LANDSCAPE ARCHITECTURE
1 BOWDOIN SQUARE, SUITE 801
BOSTON, MA 02114
V 857-233-5171

STRUCTURAL ENGINEER
MCNAMARA SALVIA
101 FEDERAL STREET, SUITE 1100
BOSTON, MA 02110
V 617-737-0040

BUILDING SYSTEMS ENGINEER AND CODE CONSULTANT COSENTINI 101 FEDERAL ST, #600 BOSTON, MA 02110

V 617-748-7800

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332 CONGRESS ST, FLOOR 6
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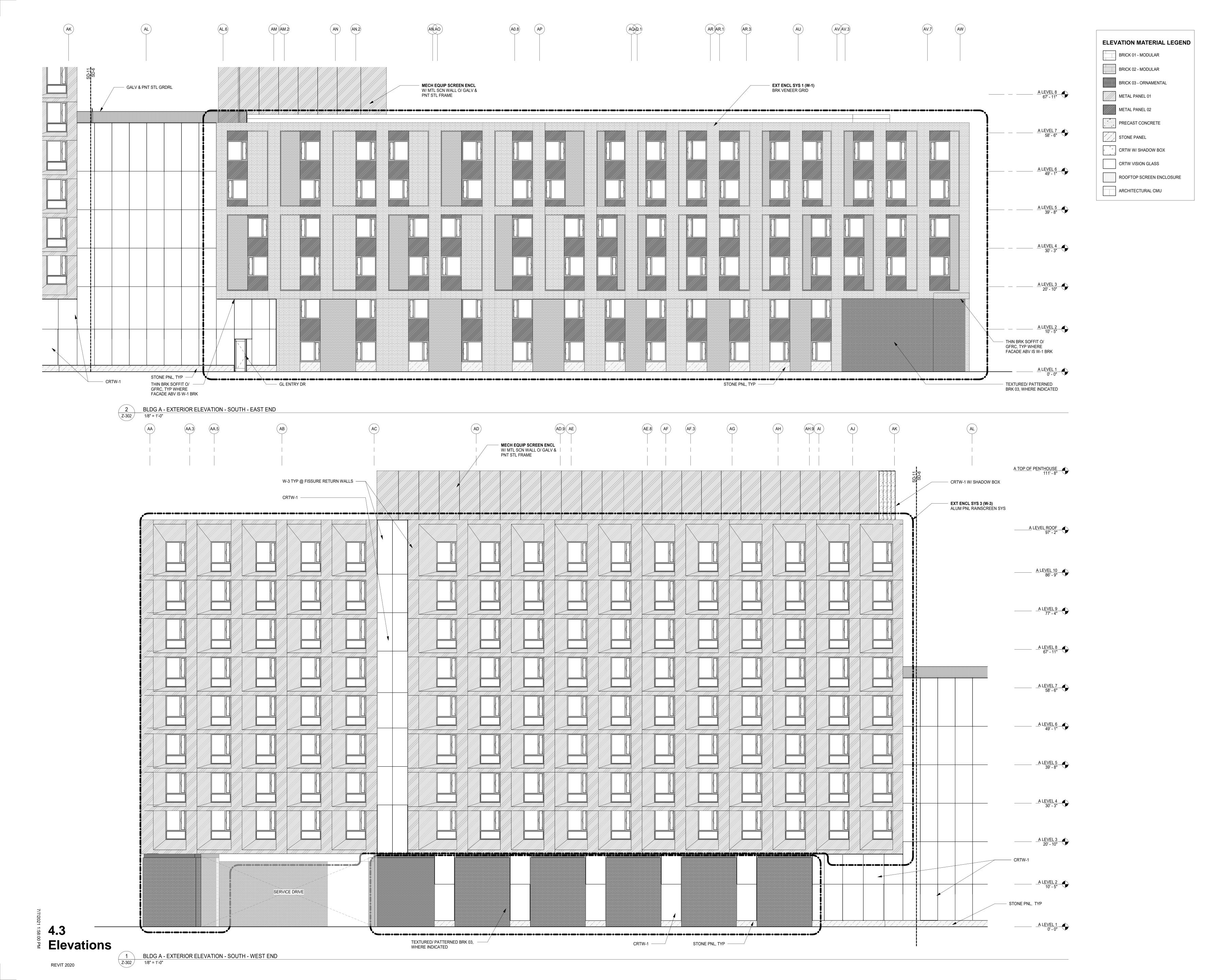
PROJECT NORTH

EXTERIOR ELEVATIONS - NORTH

SCALE:As indicated

Z-301

BZA VARIANCE APPLICATION



ARCHITECT
KIERANTIMBERLAKE
841 NORTH AMERICAN STREET
PHILADELPHIA, PA 19123
V 215-922-6600
F 215-922-4680
kierantimberlake.com

CIVIL ENGINEER
NITSCH ENGINEERING
2 CENTER PLAZA, SUITE 430
BOSTON, MA 02108
V 617-338-0063
F 617-338-6472

LANDSCAPE ARCHITECT

LANDSCAPE ARCHITECT
OJB LANDSCAPE ARCHITECTURE
1 BOWDOIN SQUARE, SUITE 801
BOSTON, MA 02114
V 857-233-5171

STRUCTURAL ENGINEER
MCNAMARA SALVIA
101 FEDERAL STREET, SUITE 1100
BOSTON, MA 02110
V 617-737-0040

BUILDING SYSTEMS ENGINEER AND CODE CONSULTANT COSENTINI 101 FEDERAL ST, #600 BOSTON, MA 02110 V 617-748-7800

INTERIORS
MERGE ARCHITECTS
332 CONGRESS ST, FLOOR 6
BOSTON, MA 02210
V 617-670-0265

MIT GRADUATE HOUSING

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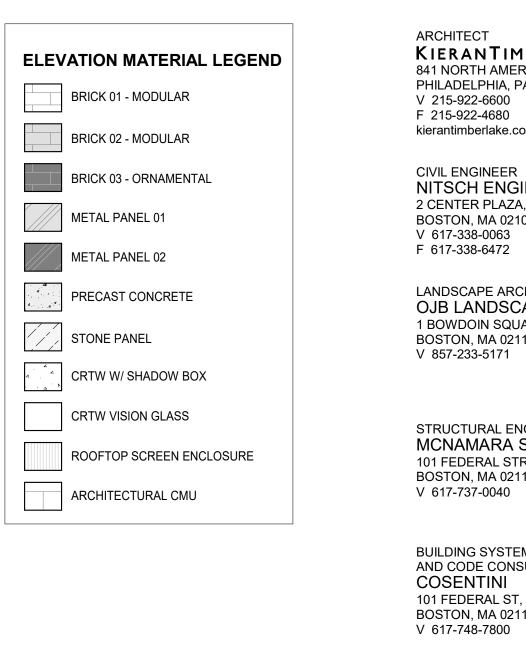


EXTERIOR ELEVATIONS - SOUTH

SCALE:As indicated

Z-302

BZA VARIANCE APPLICATION



ARCHITECT KIERANTIMBERLAKE 841 NORTH AMERICAN STREET PHILADELPHIA, PA 19123 V 215-922-6600 F 215-922-4680 kierantimberlake.com

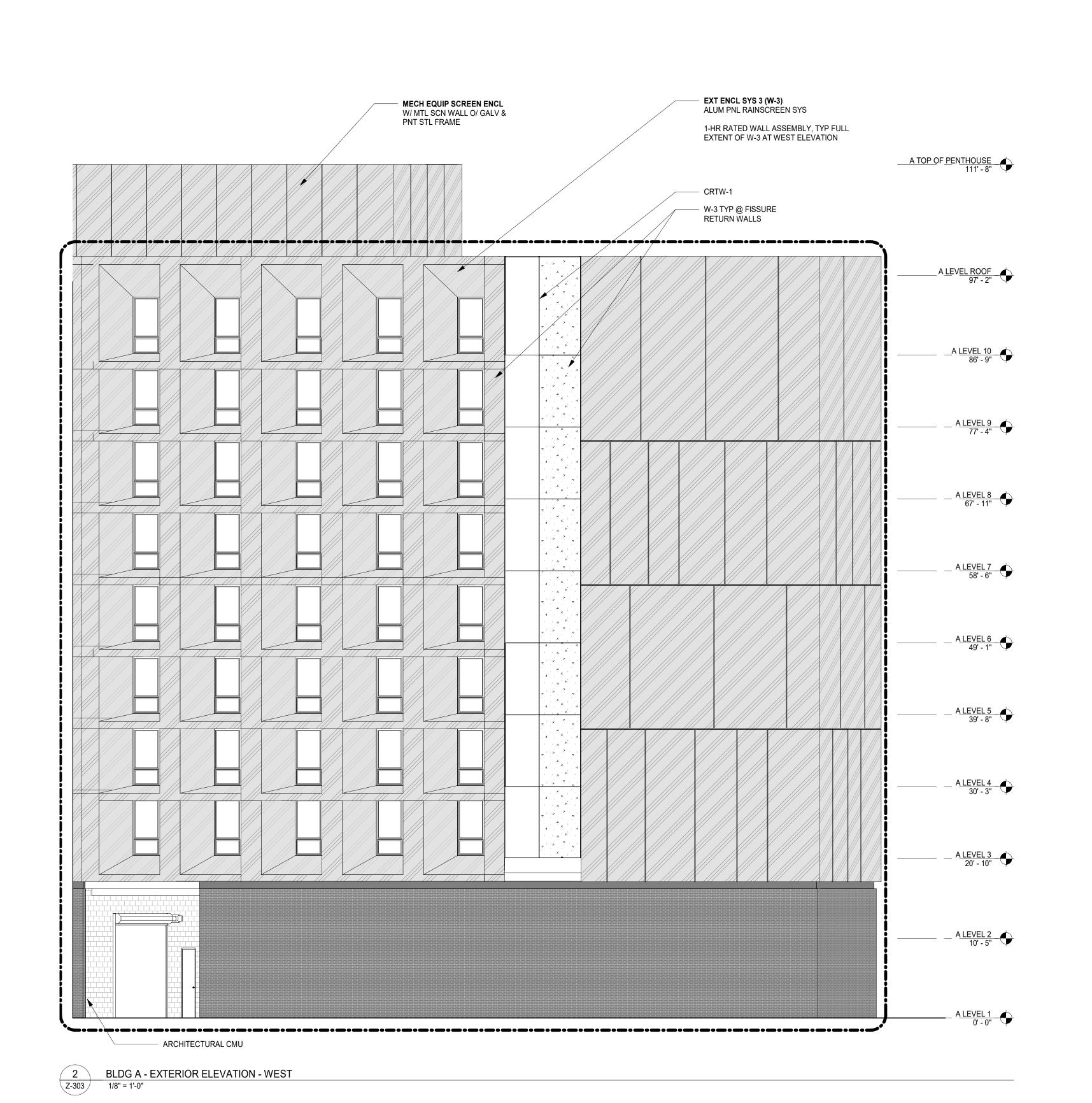
CIVIL ENGINEER NITSCH ENGINEERING 2 CENTER PLAZA, SUITE 430 BOSTON, MA 02108 V 617-338-0063

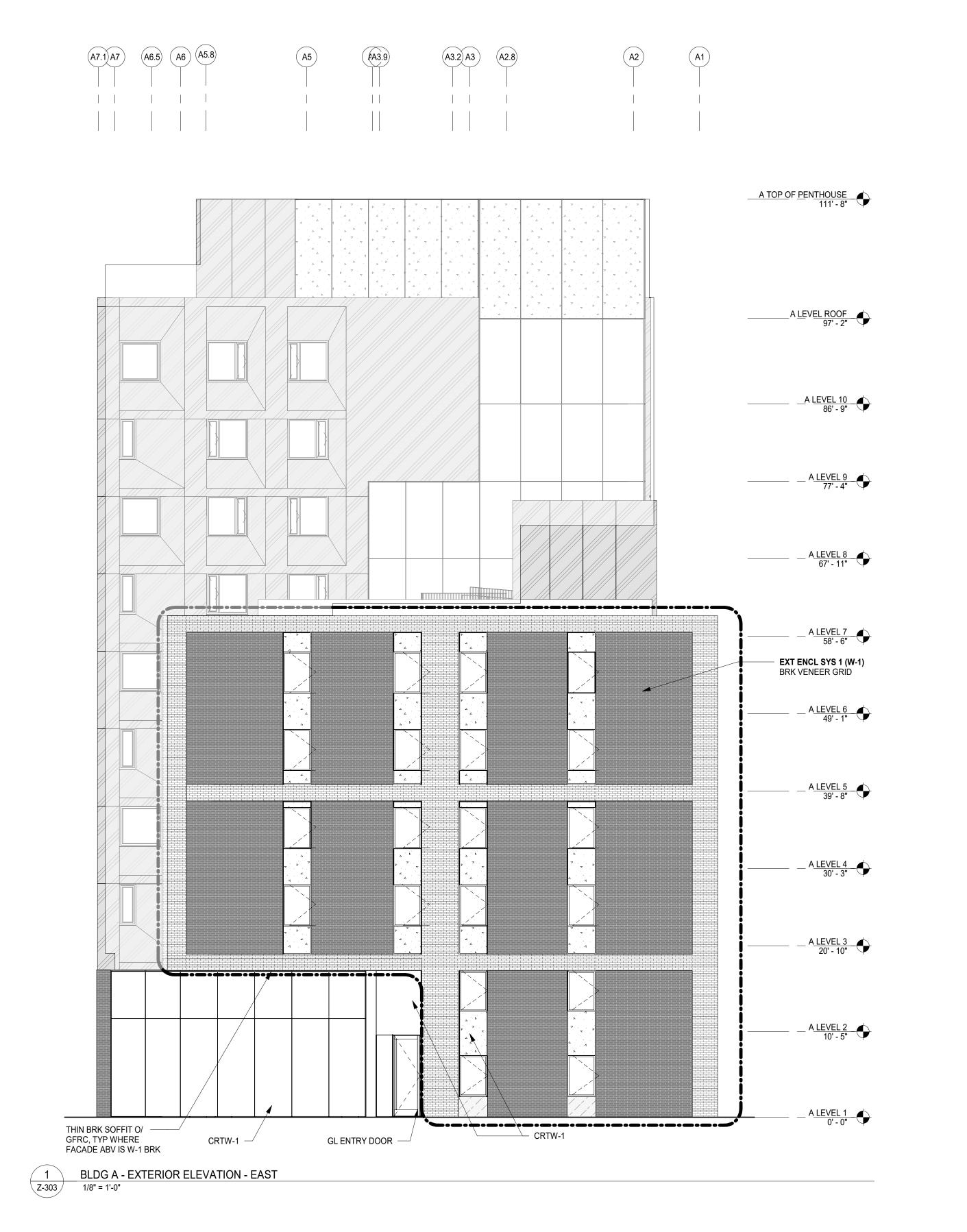
LANDSCAPE ARCHITECT OJB LANDSCAPE ARCHITECTURE 1 BOWDOIN SQUARE, SUITE 801 BOSTON, MA 02114

STRUCTURAL ENGINEER MCNAMARA SALVIA 101 FEDERAL STREET, SUITE 1100 BOSTON, MA 02110

BUILDING SYSTEMS ENGINEER AND CODE CONSULTANT COSENTINI 101 FEDERAL ST, #600 BOSTON, MA 02110

INTERIORS MERGE ARCHITECTS 332 CONGRESS ST, FLOOR 6 BOSTON, MA 02210 V 617-670-0265





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269-301 VASSAR STREET CAMBRIDGE, MA 02139

KT PROJECT NO. KT 915



EXTERIOR ELEVATIONS -EAST & WEST

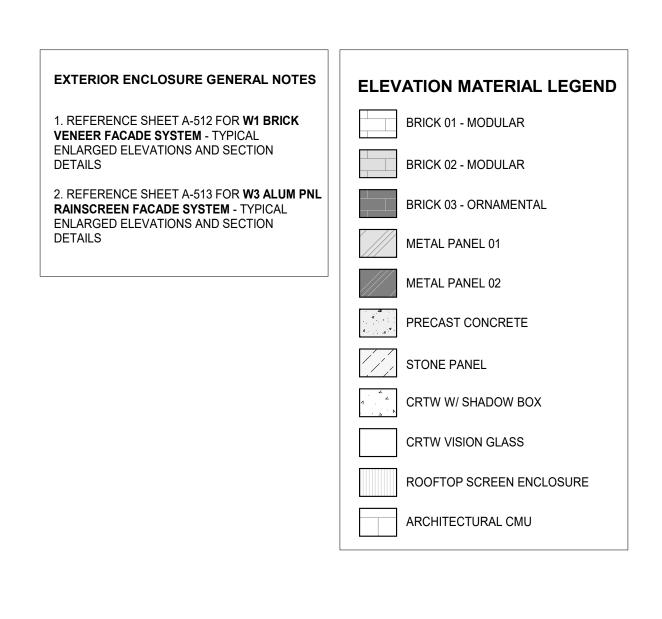
SCALE:As indicated

Z-303

BZA VARIANCE APPLICATION

NOT FOR CONSTRUCTION

4.3 **Elevations** REVIT 2020



ARCHITECT
KIERANTIMBERLAKE
841 NORTH AMERICAN STREET
PHILADELPHIA, PA 19123
V 215-922-6600
F 215-922-4680
kierantimberlake.com

CIVIL ENGINEER
NITSCH ENGINEERING
2 CENTER PLAZA, SUITE 430
BOSTON, MA 02108
V 617-338-0063
F 617-338-6472

LANDSCAPE ARCHITECT
OJB LANDSCAPE ARCHITECTURE
1 BOWDOIN SQUARE, SUITE 801
BOSTON, MA 02114
V 857-233-5171

STRUCTURAL ENGINEER
MCNAMARA SALVIA
101 FEDERAL STREET, SUITE 1100
BOSTON, MA 02110
V 617-737-0040

BUILDING SYSTEMS ENGINEER AND CODE CONSULTANT COSENTINI 101 FEDERAL ST, #600 BOSTON, MA 02110 V 617-748-7800

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AMERICAN CAMPUS

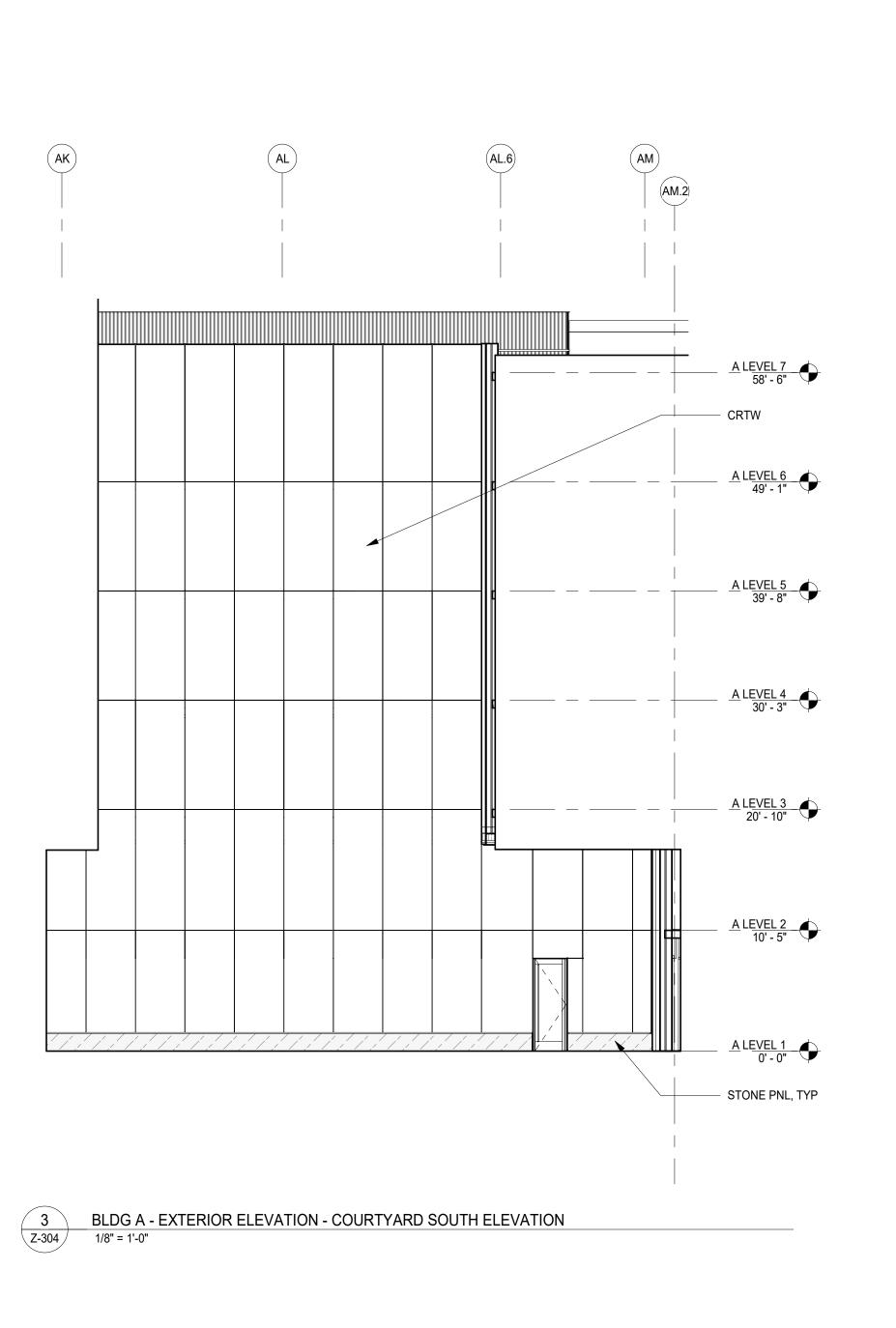
HOUSING

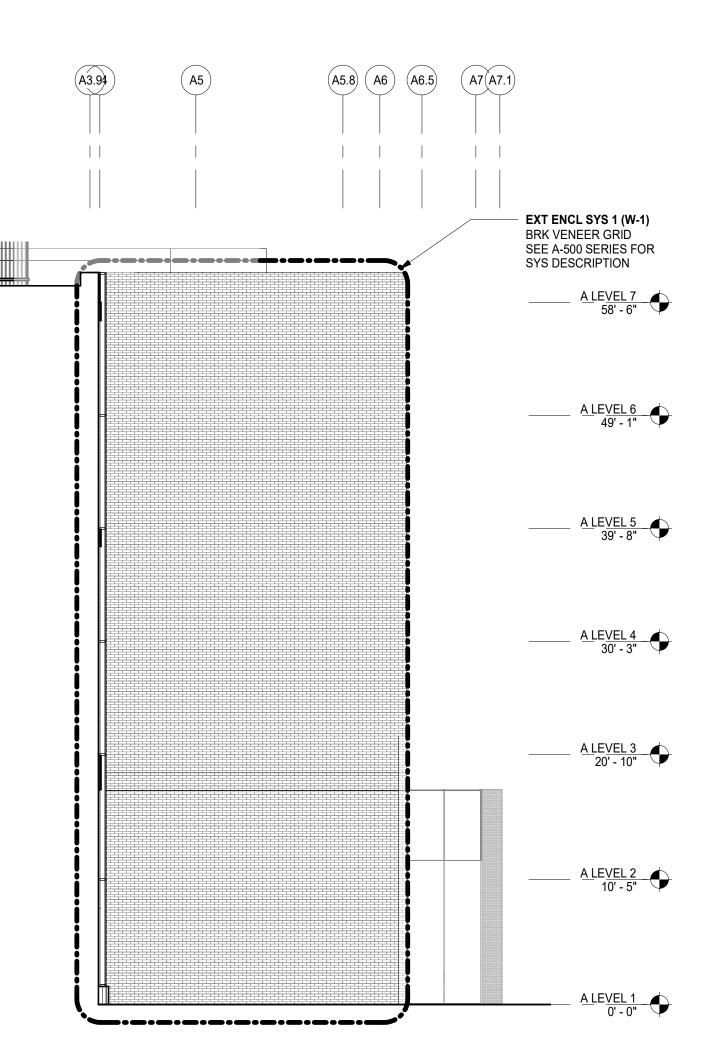
COMMUNITIES

269-301 VASSAR STREET CAMBRIDGE, MA 02139

KT PROJECT NO. KT 915

(A7.1)A7 (A6.5) (A6) (A5.8)(A3.9) (A3.2) A3) (A2.8) A1 A TOP OF PENTHOUSE 111' - 8" - CRTW W/ SHADOW BOX _____A <u>LEVEL ROOF</u> 97' - 2" _____A <u>LEVEL 10</u> 86' - 9" _____A<u>LEVEL 9</u> 77' - 4" _____A <u>LEVEL 8</u> 67' - 11" _____A<u>LEVEL 7</u>_____ _____A<u>LEVEL 6</u> 49' - 1" _____A<u>LEVEL 5</u> 39' - 8" _____A<u>LEVEL 4</u> _____ _____A <u>LEVEL 3</u> _____ _____A<u>LEVEL 2</u> _____ _____A<u>LEVEL 1</u> _____ ---- CRTW-1 - MTL PNL SOFFIT TO MATCH W-3 ALUM PNL STONE PNL, TYP





PROJECT NORTH EXTERIOR ELEVATIONS - COURTYARD

4.3 Elevations

2 BLDG A - EXTERIOR ELEVATION - COURTYARD WEST ELEVATION
1/8" = 1'-0"

1 BLDG A - EXTERIOR ELEVATION - COURTYARD EAST ELEVATION
1/8" = 1'-0"

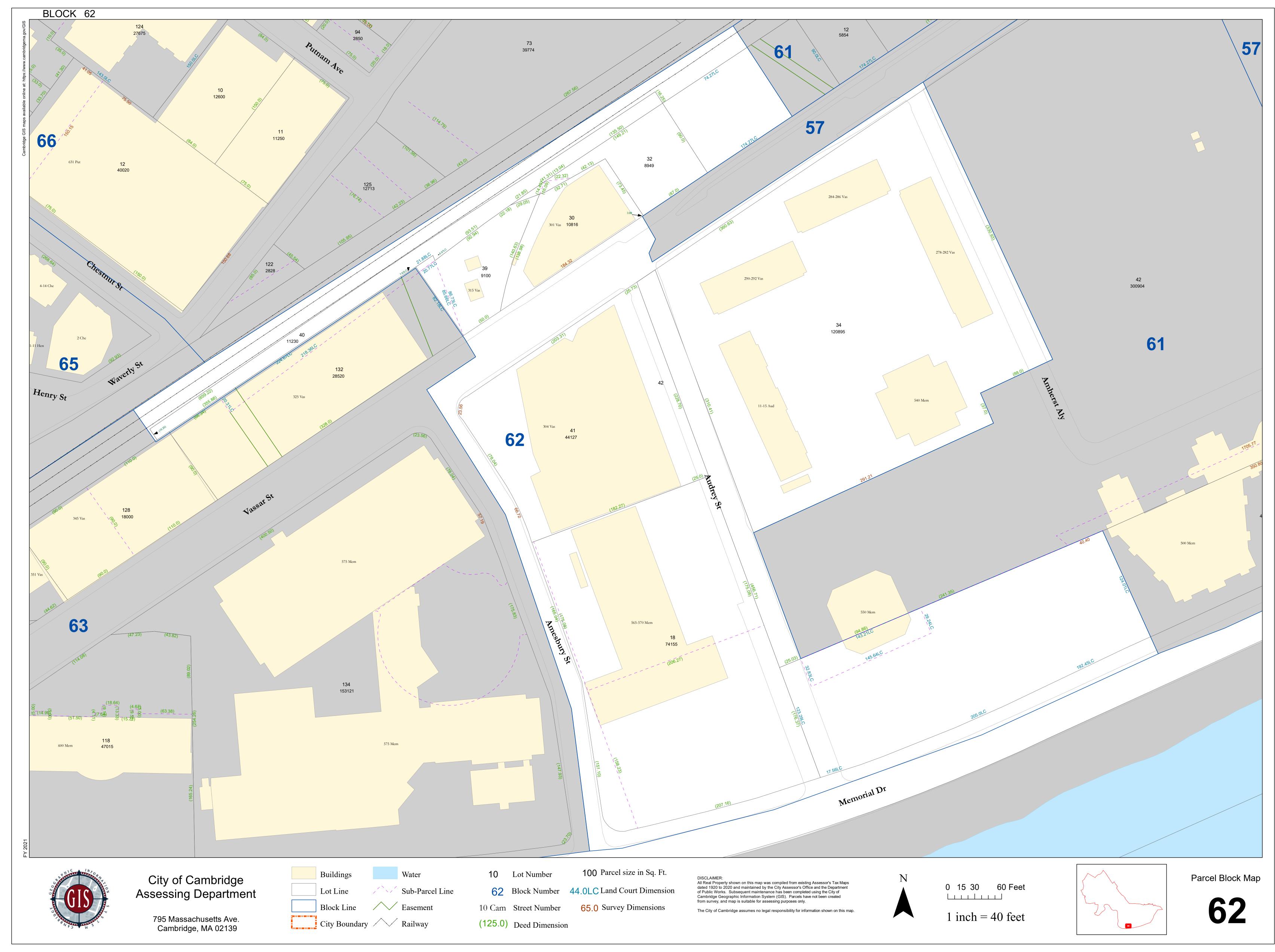
Z-304

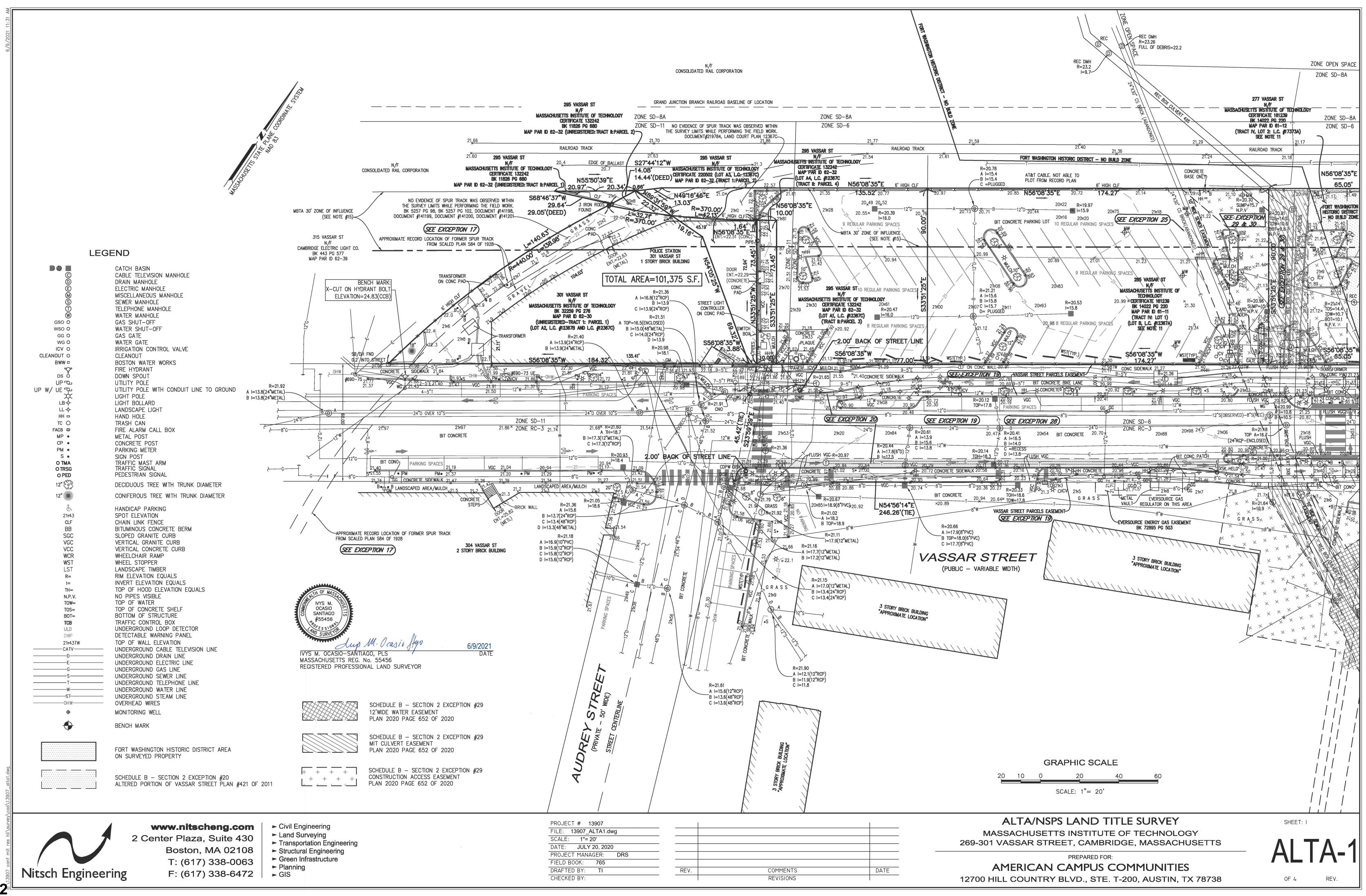
SCALE:As indicated

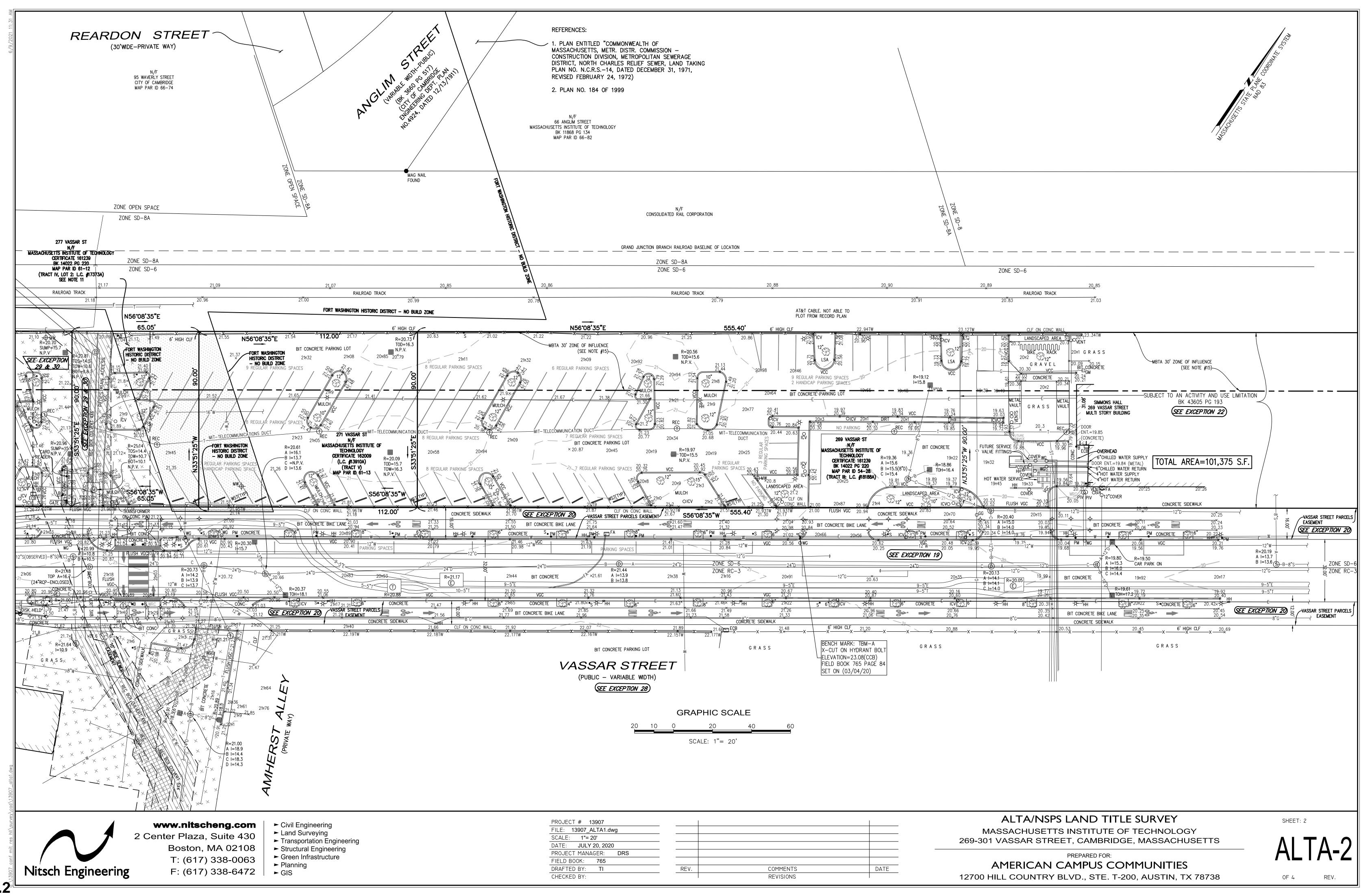
BZA VARIANCE APPLICATION

NOT FOR CONSTRUCTION

REVIT 2020







TRACT I:

TWO ADJOINING PARCELS OF LAND, WITH THE BUILDINGS THEREON, TOGETHER KNOWN AS AND NUMBERED 301-309 VASSAR STREET IN CAMBRIDGE, MIDDLESEX COUNTY, MASSACHUSETTS, CONTAINING APPROXIMATELY 10,800 SQUARE FEET OF LAND, AND BOUNDED AND DESCRIBED AS FOLLOWS:

LOT 1 RECORDED LAND PARCEL

PARCEL 1: ALL THAT CERTAIN PARCEL OF LAND, SITUATED IN SAID CAMBRIDGE, BOUNDED AND DESCRIBED AS FOLLOWS:

SOUTHEASTERLY BY VASSAR STREET ONE HUNDRED EIGHTY-FOUR AND 32/100 FEET;

NORTHWESTERLY BY LAND OF CAMBRIDGE ELECTRIC LIGHT COMPANY ONE HUNDRED THIRTY-EIGHT AND 98/100 FEET;

NORTHWESTERLY BY LAND NOW OR FORMERLY OF STIMPSON INVESTMENT CORPORATION THIRTY-TWO AND 71/100 FEET;

NORTHERLY NINETEEN AND 16/100 FEET, AND

NORTHEASTERLY SIXTY-NINE AND 32/100 FEET, SAID LAST MENTIONED LINES BEING BY THE PARCEL HEREINAFTER DESCRIBED.

SAID PARCEL, WHICH CONSISTS OF UNREGISTERED LAND, IS SHOWN AS LOT 1A ON A PLAN SHOWING SUBDIVISION OF LOT A2, L.C. #12367B, AND ADJOINING UNREGISTERED LAND IN CAMBRIDGE, MASS., DATED FEBRUARY 4, 1948, BY S. ALBERT KAUFMANN, R.L.S., WHICH PLAN HAS BEEN FILED IN THE LAND REGISTRATION OFFICE AND A COPY OF A PORTION OF WHICH IS FILED IN THE SOUTH REGISTRY DISTRICT OF MIDDLESEX COUNTY AS PLAN NO. 12367C WITH CERTIFICATE OF TITLE NO. 63794. SAID PARCEL CONTAINS 9,471 SQUARE FEET OF LAND ACCORDING TO SAID PLAN. OR HOWEVER OTHERWISE SAID PREMISES MAY BE BOUNDED AND DESCRIBED AND BE ANY OR ALL OF SAID MEASUREMENTS OR CONTENTS MORE OR LESS.

LOT 2 REGISTERED LAND PARCEL

PARCEL 2: AN ADJOINING PARCEL OF REGISTERED LAND SITUATED IN SAID CAMBRIDGE, BOUNDED AND DESCRIBED AS FOLLOWS:

SOUTHEASTERLY BY VASSAR STREET THREE AND 88/100 FEET;

SOUTHWESTERLY SIXTY-NINE AND 32/100 FEET, AND

SOUTHERLY NINETEEN AND 16/100 FEET, BY LAND NOW OR FORMERLY OF KENNETH L. HAYES

NORTHWESTERLY BY LOT A1 AS SHOWN ON LAND COURT PLAN NO. 12367C, FORTY THREE AND 77/100 FEET; AND

NORTHEASTERLY BY LOT A4 ON SAID PLAN NO. 12367C, SEVENTY-THREE AND 45/100 FEET.

SAID PARCEL, WHICH CONSISTS OF REGISTERED LAND, IS SHOWN AS LOT A3 ON LAND COURT PLAN NO. 12367C ABOVE REFERRED TO AND IS THE SAME PARCEL DESCRIBED IN CERTIFICATE OF TITLE 111592.

TRACT II:

FOUR (4) PARCELS OF LAND IN SAID CAMBRIDGE TOGETHER WITH THE BUILDINGS AND OTHER IMPROVEMENTS THEREON, NOW COLLECTIVELY KNOWN AS AND NUMBERED 295 VASSAR STREET:

PARCEL 1 (UNREGISTERED)

A TRIANGULAR PARCEL OF LAND IN SAID CAMBRIDGE OFF THE NORTHWESTERLY SIDE OF SAID VASSAR STREET, CONTAINING 135 SQUARE FEET AND BOUNDED:

SOUTHERLY BY LAND NOW OR FORMERLY OF CAMBRIDGE ELECTRIC LIGHT COMPANY, TWENTY-NINE AND 05/100 (29.05) FEET;

NORTHWESTERLY BY LAND NOW OR FORMERLY OF THE BOSTON AND ALBANY RAILROAD COMPANY, GRAND JUNCTION BRANCH, FORTY-ONE AND 31/100 (41.31) FEET; AND

NORTHEASTERLY BY TWO LINES ZERO AND 47/100 (0.47) FEET AND FOURTEEN AND 44/100 (14.44) FEET, RESPECTIVELY, BY PARCEL 2 HEREIN.

PARCEL 2 (UNREGISTERED)

A PARCEL OF LAND IN CAMBRIDGE OFF THE NORTHWESTERLY SIDE OF VASSAR STREET, CONTAINING 159 SQUARE FEET AND BOUNDED:

NORTHWESTERLY BY LAND NOW OR FORMERLY OF CAMBRIDGE ELECTRIC LIGHT COMPANY AND BY PARCEL 1 HEREIN, SIXTEEN AND 9/100 (16.09) FEET;

NORTHERLY BY OTHER LAND OF THE GRANTORS, BEING REGISTERED LAND DESCRIBED AS PARCEL 3 HEREIN, TWENTY- TWO AND 42/100 (22.42) FEET; AND

SOUTHWESTERLY BY LAND NOW OR FORMERLY OF MANUEL M. KAUFMAN, THIRTY-TWO AND 71/100 (32.71) FEET.

RECORD DESCRIPTION - CONTINUED

TRACT II:

FOUR (4) PARCELS OF LAND IN SAID CAMBRIDGE TOGETHER WITH THE BUILDINGS AND OTHER IMPROVEMENTS THEREON, NOW COLLECTIVELY KNOWN AS AND NUMBERED 295 VASSAR STREET:

PARCEL 3 (REGISTERED)

THAT CERTAIN PARCEL OF LAND SITUATE IN SAID CAMBRIDGE BOUNDED AND DESCRIBED AS FOLLOWS:

SOUTHEASTERLY BY VASSAR STREET, SEVENTY-SEVEN FEET;

SOUTHWESTERLY BY LOT A2 AS SHOWN ON PLAN HEREINAFTER MENTIONED, SEVENTY-THREE AND 45/100 FEET;

SOUTHEASTERLY BY SAID LOT A2, FIFTY-THREE AND 77/100 FEET;

SOUTHERLY BY LAND NOW OR FORMERLY OF KENNETH L. HAYES, TWENTY-TWO AND 42/100 FEET;

NORTHWESTERLY BY LAND NOW OR FORMERLY OF THE BOSTON & ALBANY RAILROAD COMPANY, ONE HUNDRED FORTY-NINE AND 21/100 FEET; AND

NORTHEASTERLY BY LOT B ON SAID PLAN, NINETY FEET.

SAID PARCEL IS SHOWN AS LOT A1 ON SAID PLAN.

ALL OF SAID BOUNDARIES ARE DETERMINED BY THE COURT TO BE LOCATED AS SHOWN ON SUBDIVISION PLAN, AS APPROVED BY THE COURT, FILED IN THE LAND REGISTRATION OFFICE, A COPY OF WHICH IS FILED IN THE REGISTRY OF DEEDS FOR THE SOUTH REGISTRY DISTRICT OF MIDDLESEX COUNTY IN REGISTRATION BOOK 496, PAGE 129, WITH CERTIFICATE 74290.

PARCEL 4 (REGISTERED)

ALSO ANOTHER CERTAIN PARCEL OF LAND SITUATE IN SAID CAMBRIDGE, BOUNDED AND DESCRIBED AS FOLLOWS:

SOUTHEASTERLY BY VASSAR STREET, TEN FEET;

SOUTHWESTERLY BY LOT A3 AS SHOWN ON PLAN HEREINAFTER MENTIONED, SEVENTY-THREE AND 45/100 FEET; AND

NORTHWESTERLY TEN FEET, AND

NORTHEASTERLY SEVENTY-THREE AND 45/100 FEET, BY LOT A1 ON SAID PLAN.

SAID PARCEL IS SHOWN AS LOT A4 ON SAID PLAN.

ALL OF SAID BOUNDARIES ARE DETERMINED BY THE COURT TO BE LOCATED AS SHOWN ON A SUBDIVISION PLAN, AS APPROVED BY THE COURT, FILED IN THE LAND REGISTRATION OFFICE, A COPY OF WHICH IS FILED IN THE REGISTRY OF DEEDS FOR THE SOUTH REGISTRY DISTRICT OF MIDDLESEX COUNTY IN REGISTRATION BOOK 426, PAGE 353, WITH CERTIFICATE 63794.

TRACT III:

243-271 VASSAR STREET

THAT CERTAIN PARCEL OF LAND WITH THE BUILDINGS THEREON SITUATE IN SAID CAMBRIDGE, BOUNDED AND DESCRIBED AS FOLLOWS:

SOUTHEASTERLY BY THE NORTHWESTERLY LINE OF VASSAR STREET, FIVE HUNDRED FIFTY-FIVE AND 40/100 FEET;

SOUTHWESTERLY BY LAND NOW OR FORMERLY OF THE UNITED STATES BOND & MORTGAGE CORPORATION, NINETY FEET;

NORTHWESTERLY BY LAND NOW OR FORMERLY OF THE BOSTON AND ALBANY RAILROAD COMPANY, FIVE HUNDRED FIFTY-FIVE AND 40/100 FEET; AND

NORTHEASTERLY BY LAND NOW OR FORMERLY OF JAMES J. STORROW. NINETY FEET.

ALL OF SAID BOUNDARIES ARE DETERMINED BY THE COURT TO BE LOCATED AS SHOWN ON A PLAN, AS MODIFIED AND APPROVED BY THE COURT, FILED IN THE LAND REGISTRATION OFFICE, A COPY OF A PORTION OF WHICH IS FILED IN THE REGISTRY OF DEEDS FOR THE SOUTH REGISTRY DISTRICT OF MIDDLESEX COUNTY IN REGISTRATION BOOK 326, PAGE 261, WITH CERTIFICATE 50399.

TRACT IV:

277-293 VASSAR STREET

TWO CERTAIN PARCELS OF LAND WITH THE BUILDINGS THEREON SITUATE IN SAID CAMBRIDGE, BOUNDED AND DESCRIBED AS FOLLOWS:

LOT 1

SOUTHEASTERLY BY VASSAR STREET, ONE HUNDRED SEVENTY-FOUR AND 27/100 FEET;

SOUTHWESTERLY BY LOT A AS SHOWN ON PLAN HEREINAFTER MENTIONED NINETY FEET;

NORTHWESTERLY BY LAND NOW OR FORMERLY OF THE BOSTON & ALBANY RAILROAD COMPANY, ONE HUNDRED SEVENTY-FOUR AND 27/100 FEET; AND

NORTHEASTERLY BY LAND NOW OR FORMERLY OF OLIVER AMES ET AL, NINETY FEET.

SAID PARCEL IS SHOWN AS LOT B ON SAID PLAN.

ALL OF SAID BOUNDARIES ARE DETERMINED BY THE COURT TO BE LOCATED AS SHOWN ON A PLAN, AS MODIFIED AND APPROVED BY THE COURT, FILED IN THE LAND REGISTRATION OFFICE, A COPY OF A PORTION OF WHICH IS FILED IN THE REGISTRY OF DEEDS FOR THE SOUTH REGISTRY DISTRICT OF MIDDLESEX COUNTY IN REGISTRATION BOOK 169, PAGE 33, WITH CERTIFICATE 25346.

RECORD DESCRIPTION - CONTINUED

TRACT IV:

277-293 VASSAR STREET

TWO CERTAIN PARCELS OF LAND WITH THE BUILDINGS THEREON SITUATE IN SAID CAMBRIDGE, BOUNDED AND DESCRIBED AS FOLLOWS: LOT 2

SOUTHEASTERLY BY THE NORTHWESTERLY LINE OF VASSAR STREET, SIXTY-FIVE AND 05/100 FEET; SOUTHWESTERLY BY LAND NOW OR FORMERLY OF OLIVER AMES ET AL, TRUSTEES, NINETY FEET;

NORTHWESTERLY BY LAND NOW OR FORMERLY OF THE BOSTON AND ALBANY RAILROAD COMPANY, SIXTY-FIVE AND 05/100 FEET; AND

NORTHEASTERLY BY LAND NOW OR FORMERLY OF THE UNITED STATES BOND & MORTGAGE CORPORATION, NINETY FEET.

ALL OF SAID BOUNDARIES ARE DETERMINED BY THE COURT TO BE LOCATED AS SHOWN ON A PLAN, AS MODIFIED AND APPROVED BY THE COURT, FILED IN THE LAND REGISTRATION OFFICE, A COPY OF A PORTION OF WHICH IS FILED IN THE REGISTRY OF DEEDS FOR THE SOUTH REGISTRY DISTRICT OF MIDDLESEX COUNTY IN REGISTRATION BOOK 300, PAGE 185, WITH CERTIFICATE 46243.

TRACT V:

271 VASSAR STREET

THE LAND AND BUILDINGS THEREON SITUATED IN CAMBRIDGE, MIDDLESEX COUNTY, MASSACHUSETTS, DESCRIBED IN CERTIFICATE OF TITLE NO. 42665, FILED AND REGISTERED WITH THE MIDDLESEX SOUTH REGISTRY DISTRICT OF THE LAND COURT IN BOOK 285, PAGE 517, BEING BOUNDED AND DESCRIBED AS FOLLOWS:

SOUTHEASTERLY BY VASSAR STREET, ONE HUNDRED TWELVE (112) FEET;

SOUTHEASTERLY BY LAND NOW OR FORMERLY OF JOHN S. AMES ET ALS, TRUSTEES, NINETY (90) FEET;

NORTHWESTERLY BY LAND NOW OR FORMERLY OF THE BOSTON & ALBANY RAILROAD CO., ONE HUNDRED TWELVE (112) FEET; AND

NORTHWESTERLY BY LAND NOW OR FORMERLY OF THE CRANE CO., NINETY (90)

ALL AS SHOWN ON LAND COURT PLAN NO. 13910A WHICH IS RECORDED IN SAID REGISTRY IN BOOK 195, PAGE 481, WITH CERTIFICATE 30674.

TRACT VI (EASEMENT):

APPURTENANT RIGHTS WITH RESPECT TO PROPERTIES

TOGETHER WITH THE BENEFIT OF THE TERMS AND PROVISIONS OF AN AGREEMENT BETWEEN CHARLES RIVER EMBANKMENT COMPANY AND CHARLES H. SOUTHER ET AL DULY RECORDED ON MARCH 18, 1896 IN BOOK 2447, PAGE 121, SO FAR AS IN FORCE AND APPLICABLE AT DATE OF ORIGINAL DECREE (NOVEMBER 14, 1927).

TOGETHER WITH THE BENEFIT OF THE RIGHT TO HAVE STREETS PUT IN ORDER FOR PUBLIC TRAVEL AS SET FORTH IN AGREEMENT BETWEEN CHARLES RIVER EMBANKMENT CO. ET AL AND THE CITY OF CAMBRIDGE DATED MAY 7, 1897 AND RECORDED IN BOOK 2562, PAGE 441, AS MAY BE AFFECTED BY DOCUMENT BY AND BETWEEN THE COMMONWEALTH OF MASSACHUSETTS AND MASSACHUSETTS INSTITUTE OF TECHNOLOGY DATED MARCH 29, 1912 AND RECORDED AT BOOK 3680, PAGE 143, AND AS FURTHER AFFECTED BY DOCUMENT EXECUTED BY AN ENGINEER FOR THE CITY OF CAMBRIDGE DATED AUGUST 3, 1923 AND RECORDED BOOK 4647, PAGE 351, AND AS MAY BE AFFECTED BY RELEASE AND ABANDONMENT IN FAVOR OF MASSACHUSETTS INSTITUTE OF TECHNOLOGY BY THE CITY OF CAMBRIDGE DATED JUNE 26, 1961 AND RECORDED AT BOOK 9873, PAGE 8.

TOGETHER WITH THE BENEFIT OF THE RIGHT TO USE THE RAILROAD SIDETRACK SHOWN ON LAND COURT PLAN 12367C AND AS SET FORTH IN DEED BY STIMPSON INVESTMENT CORPORATION TO MANUEL M. KOUFMAN DATED MARCH 15, 1948 AND FILED AS DOCUMENT 219784.

TOGETHER WITH THE BENEFIT OF EXISTING RIGHTS TO USE AUDREY STREET IN COMMON WITH ALL OTHERS ENTITLED THERETO. AS SET FORTH IN AGREEMENT BETWEEN KENNETH L. HAYES AND OTHERS DATED MARCH 8, 1928 AND RECORDED IN BOOK 5257, PAGE 97, IN AN AGREEMENT DATED AUGUST 8, 1939 AND RECORDED WITH SAID DEEDS IN BOOK 5961, PAGE 112, ALL AS SET FORTH IN DEED FROM STIMPSON INVESTMENT CORPORATION TO MASSACHUSETTS INSTITUTE OF TECHNOLOGY DATED JUNE 11, 1946 AND FILED AS DOCUMENT NO. 221894.

EASEMENT AGREEMENT BY THE CITY OF CAMBRIDGE TO MASSACHUSETTS INSTITUTE OF TECHNOLOGY DATED JUNE 28, 1993 AND RECORDED AT BOOK 36307, PAGE 402, AS MAY BE AFFECTED BY RELEASE AND AMENDMENT OF EASEMENT AGREEMENT DATED JUNE 20, 2011 AND RECORDED AT BOOK 57051, PAGE 464, AND AS MAY BE AFFECTED BY CITY OF CAMBRIDGE ORDER DATED JUNE 20, 2011 AND RECORDED AT BOOK 57051, PAGE 495.

TOGETHER WITH THE BENEFIT OF EXISTING RIGHTS TO USE THE SPUR TRACK LOCATED ON SAID PREMISES, WHICH TRACK EXTENDS IN A NORTHERLY AND NORTHEASTERLY DIRECTION TO A SWITCH POINT OF THE GRAND JUNCTION BRANCH OF THE BOSTON & ALBANY RAILROAD, AS SHOWN ON SAID PLAN, SUCH RIGHTS TO BE USED IN COMMON WITH ALL OTHERS ENTITLED THERETO IN ACCORDANCE WITH THE PROVISIONS OF AN AGREEMENT BETWEEN KENNETH L. HAYES AND THE NEW YORK CENTRAL RAILROAD CO. DATED AUGUST 8, 1927 AND RECORDED IN BOOK 5257, PAGE 98, IN ACCORDANCE WITH THE AGREEMENTS SET FORTH IN DEED FROM KENNETH L. HAYES TO MICHAEL F. KELLY DATED JULY 20, 1928 AND RECORDED AT BOOK 5257, PAGE 103, ALL AS SET FORTH IN DEED FROM STIMPSON INVESTMENT CORPORATION TO MASSACHUSETTS INSTITUTE OF TECHNOLOGY DATED JUNE 11, 1946 AND FILED AS DOCUMENT NO. 221894.

RIGHTS AND EASEMENTS AS SET FORTH IN DEED FROM STIMPSON INVESTMENT CORPORATION TO JOSEPH MASS DATED MARCH 1, 1944 AND FILED AS DOCUMENT NO. 221895.

Nitsch Engineering

www.nitscheng.com

2 Center Plaza, Suite 430 Boston, MA 02108

T: (617) 338-0063 F: (617) 338-6472 Civil Engineering

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PROJECT # 13907 FILE: 13907 ALTA1.dwg SCALE: 1"= 20' DATE: JULY 20, 2020 PROJECT MANAGER: DRS FIELD BOOK: 765 DRAFTED BY: REV. COMMENTS DATE CHECKED BY: REVISIONS

ALTA/NSPS LAND TITLE SURVEY

MASSACHUSETTS INSTITUTE OF TECHNOLOGY 269-301 VASSAR STREET, CAMBRIDGE, MASSACHUSETTS

12700 HILL COUNTRY BLVD., STE. T-200, AUSTIN, TX 78738

PREPARED FOR: AMERICAN CAMPUS COMMUNITIES

SHEET: 3

OF 4

Plot Plan

THE POLICY WILL NOT INSURE AGAINST LOSS OR DAMAGE RESULTING FROM THE TERMS AND PROVISIONS OF ANY LEASE OR EASEMENT IDENTIFIED IN SCHEDULE A, AND WILL INCLUDE THE FOLLOWING EXCEPTIONS UNLESS CLEARED TO THE SATISFACTION OF THE COMPANY:

- 1. THIS ITEM HAS BEEN INTENTIONALLY DELETED.
- 2. THIS ITEM HAS BEEN INTENTIONALLY DELETED.
- 3. THIS ITEM HAS BEEN INTENTIONALLY DELETED.
- 4. REAL ESTATE TAXES AND MUNICIPAL CHARGES WHICH MAY CONSTITUTE LIENS. (WILL BE INSURED AS "NOT YET DUE AND PAYABLE" IN POLICY, WHEN SAME CONFIRMED) (NOT PLOTTABLE)
- 5. THIS ITEM HAS BEEN INTENTIONALLY DELETED.
- 6. THIS ITEM HAS BEEN INTENTIONALLY DELETED.
- 7. THIS ITEM HAS BEEN INTENTIONALLY DELETED.
- 8. THIS ITEM HAS BEEN INTENTIONALLY DELETED.
- 9. THIS ITEM HAS BEEN INTENTIONALLY DELETED.
- 10. MATTERS RELATED TO SIDETRACK RIGHTS AND EASEMENTS AS SET FORTH IN GRANT FROM KENNETH L. HAYES TO THE NEW YORK CENTRAL RAILROAD COMPANY DATED AUGUST 8, 1927 AND FILED AS DOCUMENT NO. 141198. (AFFECTS TRACT I: PARCEL 1, TRACT II: PARCEL 2 AND TRACT II: PARCEL 3, BLANKET IN NATURE. NOT PLOTTABLE. THERE WAS NO OBSERVED EVIDENCE AT THE TIME OF THE FIELDWORK.)
- 11. THIS ITEM HAS BEEN INTENTIONALLY DELETED.
- 12. TERMS AND PROVISIONS OF SIDETRACK AGREEMENT BY AND BETWEEN NEW YORK CENTRAL RAILROAD COMPANY AND KENNETH L. HAYES DATED AUGUST 8, 1927 AND RECORDED AT BOOK 5257, PAGE 98, AS AFFECTED BY ASSUMPTION OF OBLIGATIONS, COVENANTS AND AGREEMENTS BY STIMPSON INVESTMENT CORPORATION IN DOCUMENT DATED NOVEMBER 20, 1930 AND FILED AS DOCUMENT NO. 141200, AND AS AFFECTED BY MATTERS AS SET FORTH IN DEED BY STIMPSON INVESTMENT CORPORATION TO JAME REALTY INC. DATED AUGUST 8, 1935 AND FILED AS DOCUMENT NO. 141201. (AFFECTS TRACT I: PARCEL 1, TRACT II: PARCEL 2 AND TRACT II: PARCEL 3, BLANKET IN NATURE. NOT PLOTTABLE. THERE WAS NO OBSERVED EVIDENCE AT THE TIME OF THE FIELDWORK. PLAN 454 OF 1935)
- 13. THIS ITEM HAS BEEN INTENTIONALLY DELETED.
- 14. THIS ITEM HAS BEEN INTENTIONALLY DELETED.
- 15. THIS ITEM HAS BEEN INTENTIONALLY DELETED.
- 16. POSSIBLE APPLICABILITY OF MASSACHUSETTS GENERAL LAWS CHAPTER 40 §54A. (NOT PLOTTABLE)
- 17. THE RIGHT TO USE THE RAILROAD SIDETRACK SHOWN ON LAND COURT PLAN 12367C AND AS SET FORTH IN DEED BY STIMPSON INVESTMENT CORPORATION TO MANUEL M. KOUFMAN DATED MARCH 15, 1948 AND FILED AS DOCUMENT 219784. (AFFECTS TRACT I: PARCEL 1, BLANKET IN NATURE. THERE WAS NO OBSERVED EVIDENCE AT THE TIME OF THE FIELDWORK. APPROXIMATE RECORD LOCATION OF FORMER SPUR TRACK SHOWN.)
- 18. THIS ITEM HAS BEEN INTENTIONALLY DELETED.
- 19. ORDER OF THE CITY COUNCIL OF THE CITY OF CAMBRIDGE WITH RESPECT TO THE DISCONTINUANCE OF A PORTION OF VASSAR STREET AND OTHER STREETS DATED MARCH 1. 1993 AND RECORDED AT BOOK 23340, PAGE 487. (AFFECTS A PORTION OF TRACT VI. SHOWN.)
- 20. TERMS AND PROVISIONS OF EASEMENT AGREEMENT BY THE CITY OF CAMBRIDGE TO MASSACHUSETTS INSTITUTE OF TECHNOLOGY DATED JUNE 28, 1993 AND RECORDED AT BOOK 36307, PAGE 402, AS MAY BE AFFECTED BY RELEASE AND AMENDMENT OF EASEMENT AGREEMENT DATED JUNE 20, 2011 AND RECORDED AT BOOK 57051, PAGE 464, AND AS MAY BE AFFECTED BY CITY OF CAMBRIDGE ORDER DATED JUNE 20, 2011 AND RECORDED AT BOOK 57051, PAGE 495. (AFFECTS A PORTION OF TRACT VI. SHOWN)
- 21. THIS ITEM HAS BEEN INTENTIONALLY DELETED.
- 22. NOTICE OF ACTIVITY AND USE LIMITATION DATED AUGUST 17, 2004 AND RECORDED IN BOOK 43605, PAGE 193 AND FILED AS DOCUMENT NO. 347020. (DISPOSAL SITE 229 VASSAR STREET) (SHOWN. IT IS ON THE PROPERTY TRACT III. PLAN 972 OF 2004.)
- 23. THIS ITEM HAS BEEN INTENTIONALLY DELETED.
- 24. ZONING DECISION, ISSUED BY THE CITY OF CAMBRIDGE, PLANNING BOARD, DATED DECEMBER 31, 1999, NOTICE OF WHICH IS RECORDED IN BOOK 31931, PAGE 156 AND FILED AS DOCUMENT NO. 1152563, AS AMENDED BY MINOR AMENDMENT #1 DATED OCTOBER 3, 2000 AND RECORDED IN BOOK 36552, PAGE 174 AND FILED AS DOCUMENT NO. 1230672, AS FURTHER AMENDED BY MAJOR AMENDMENT #2 DATED APRIL 2, 2002 AND RECORDED IN BOOK 36552, PAGE 178 AND FILED AS DOCUMENT NO. 1230673. (NOT PLOTTABLE)
- 25. SO MUCH OF THE LAND AS IS MARKED SEWER EASEMENTS SHOWN ON LAND COURT PLAN 12367A IS SUBJECT TO THE RIGHTS OF THE CITY OF CAMBRIDGE. (SHOWN. IT IS ON THE PROPERTY TRACT IV, FIRST PARCEL.)
- 26. THIS ITEM HAS BEEN INTENTIONALLY DELETED.

SCHEDULE B - SECTION 2 EXCEPTIONS - CONTINUED

- 27. SPUR TRACK SHOWN EXTENDING ACROSS VASSAR STREET AS SHOWN ON PLAN 584 OF 1928 RECORDED AT BOOK 5257, PAGE 102. (AFFECTS TRACT I: PARCEL 1, TRACT II: PARCEL 2 AND TRACT II: PARCEL 3, BLANKET IN NATURE. THERE WAS NO OBSERVED EVIDENCE AT THE TIME OF THE FIELDWORK ON SUBJECT PROPERTY.)
- 28. AN AGREEMENT AS TO CONVEYANCE OF THE FEE IN VASSAR STREET BETWEEN THE CHARLES RIVER EMBANKMENT CO. ET AL AND THE CITY OF CAMBRIDGE DATED MAY 7, 1897 AND RECORDED IN BOOK 2562, PAGE 441. (AFFECTS A PORTION OF TRACT VI, SHOWN.)
- 29. DRAINAGE CULVERT, WATER & CONSTRUCTION ACCESS EASEMENT PLAN, DATED JUNE 4, 2020, AND RECORDED IN PLAN BOOK 2020, PAGE 652. (AFFECTS A PORTION OF TRACT IV: LOT 1 AND TRACT IV: LOT 2, SHOWN.)
- 30. GRANT OF EASEMENT BETWEEN MASSACHUSETTS INSTITUTE OF TECHNOLOGY, GRANTOR, AND CITY OF CAMBRIDGE, GRANTEE, DATED JULY 01, 2020, AND RECORDED IN BOOK 75603, PAGE 326. (AFFECTS A PORTION OF TRACT IV: LOT 1 AND TRACT IV: LOT 2, SHOWN.)
- 31. ANY FACTS, RIGHTS, INTERESTS OR CLAIMS THAT MAY EXIST OR ARISE BY REASON OF THE FOLLOWING MATTERS DISCLOSED BY AN ALTA/NSPS SURVEY MADE BY NITSCH ENGINEERING ON MARCH 26, 2020 LAST REVISED JUNE 08, 2020, DESIGNATED 13907: (A) PEDESTRIAN ACCESS EASEMENT SHOWN ON TRACT IV, LOT 1. (REMOVED FROM THE ALTA LAND SURVEY PLAN PER MASSACHUSETTS INSTITUTE OF TECHNOLOGY LETTER DATED SEPTEMBER 10, 2020 STATING THAT SAID 6' WIDE PEDESTRIAN

NOTES

EASEMENT WAS NEVER RECORDED.)

- 1. THIS SURVEY WAS PREPARED IN CONJUNCTION WITH COMMITMENT FOR TITLE INSURANCE ISSUED BY FIRST AMERICAN TITLE INSURANCE COMPANY, FILE NO. NCS-1000624-BOS1, HAVING A REVISED DATE OF SEPTEMBER 15, 2020 @ 8:00 AM
- 2. HORIZONTAL COORDINATES REFER TO MASSACHUSETTS STATE PLANE (NAD83), MAINLAND ZONE, US SURVEY FEET BASED ON EXISTING PROJECT.
- 3. ELEVATION REFERS TO CAMBRIDGE CITY BASE (CCB) VERTICAL BASED ON EXISTING PROJECT. THE TOPOGRAPHIC INFORMATION WAS COLLECTED TO PREPARE 1-FOOT CONTOURS.
- 4. THE PARCEL SHOWN HEREON LIES WITHIN A ZONE "X UNSHADED", AS GRAPHICALLY SHOWN ON FEMA FLOOD INSURANCE RATE MAP NUMBER 25017C0576E, EFFECTIVE DATE: JUNE 4, 2010 FOR THE CITY OF CAMBRIDGE, COUNTY OF MIDDLESEX, MASSACHUSETTS.
- 5. NO EVIDENCE OF RECENT EARTH MOVING WORK, BUILDING CONSTRUCTION, OR BUILDING ADDITIONS WERE OBSERVED IN THE PROCESS OF CONDUCTING THE FIELDWORK.
- 6. NO EVIDENCE OF SPUR TRACK WAS OBSERVED WITHIN THE SUBJECT PROPERTY WHILE PERFORMING THE FIELD WORK.
- 7. NO INFORMATION HAS BEEN MADE AVAILABLE TO THE SURVEYOR BY THE CONTROLLING JURISDICTION ON PROPOSED CHANGES IN STREET RIGHT OF WAY LINES. NO EVIDENCE OF RECENT STREET OR SIDEWALK CONSTRUCTION OR REPAIRS WAS OBSERVED IN THE PROCESS OF CONDUCTING THE FIELDWORK.
- 8. THERE ARE 136 REGULAR PARKING SPACES AND 3 HANDICAP PARKING SPACES FOR A TOTAL OF 139 PARKING SPACES ON THIS SITE.
- 9. NO ZONING REPORT HAS BEEN PROVIDED TO THE SURVEYOR AS OF THE DATE OF THIS PLAN. THE SOURCE OF THE ZONING DISTRICT LINEWORK IS THE GIS FILE NAMED CDD_ZONINGDISTRICTS LAST MODIFIED DATE JANUARY 21, 2020 DOWNLOADED FROM THE CITY OF CAMBRIDGE ZONING GIS VIEWER.
- 10. THERE IS A PORTION OF THE FORT WASHINGTON HISTORIC DISTRICT WITHIN THE SITE. THE SOURCE OF THE FORT WASHINGTON HISTORIC DISTRICT LINEWORK IS THE GIS FILE NAMED HISTORICAL_HISTORICDISTRICT PROVIDED BY THE CITY OF CAMBRIDGE ON MARCH 31, 2020. POSSIBLE APPLICABILITY OF MASSACHUSETTS GENERAL LAWS CHAPTER 40C.
- 11. PARCELS I-V ARE CONTIGUOUS ALONG THEIR COMMON BOUNDARIES WITH NO GAPS OR
- 12. THE TRACT IV LOT 1 AND TRACT IV LOT 2 USED TO BE SUBJECT TO AN ACTIVITY AND USE OF LIMITATION (AUL) ON DOCUMENT NO. 1359170. SAID AUL HAS BEEN TERMINATED AS STATED ON DOCUMENT NO. 01845005.
- 13. 6' WIDE PEDESTRIAN EASEMENT SHOWN ON PLAN ENTITLED "VASSAR STREET UTILITIES CONTRACT #2 DESIGN MODIFICATION #1 COMPOSITE UTILITY ROLL PLAN," DATED FEBRUARY 16, 2001 AND PREPARED BY SEA CONSULTANTS INC., AND PROVIDED TO NITSCH ENGINEERING BY MIT HAS BEEN REMOVED FROM THIS ALTA LAND SURVEY PLAN PER MIT LETTER DATED SEPTEMBER 10, 2020 STATING THAT SAID EASEMENT WAS NEVER RECORDED.
- 14. THE LANDS SURVEYED, SHOWN AND DESCRIBED HEREON ARE THE SAME LANDS AS DESCRIBED IN THE FIRST AMERICAN TITLE INSURANCE COMPANY TITLE COMMITMENT ORDER NO. NCS-1000624-BOS1 WITH REVISED DATE OF SEPTEMBER 15, 2020.
- 15. THE MBTA CAPITAL DELIVERY, TRANSIT-ORIENTED DEVELOPMENT GROUP, DESIGN/CONSTRUCTION REVIEW FOR PROJECTS WITHIN THE MBTA'S ZONE OF INFLUENCE DOCUMENT, DATED APRIL 2018, DESCRIBES A ZONE OF INFLUENCE OF 30'.

CERTIFICATION

MASSACHUSETTS INSTITUTE OF TECHNOLOGY; AMERICAN CAMPUS COMMUNITIES OPERATING PARTNERSHIP LP AND ITS SUCCESSORS AND ASSIGNS, MORGAN, LEWIS & BOCKIUS LLP; FIRST AMERICAN TITLE INSURANCE COMPANY.

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2016 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDED ITEMS 2, 3, 4, 5, 7(A), 7(B)(2), 8, 9, 11, 13, 16, 17, 19, AND 20 OF TABLE A

THE FIELDWORK WAS COMPLETED ON 03/26/2020.

UTILITY INFORMATION STATEMENT

- 1. THE SUB-SURFACE UTILITY INFORMATION SHOWN HEREON IS COMPILED BASED ON FIELD SURVEY INFORMATION, RECORD INFORMATION AS SUPPLIED BY THE APPROPRIATE UTILITY COMPANIES, AND PLAN INFORMATION SUPPLIED BY THE CLIENT, IF ANY; THEREFORE WE CANNOT GUARANTEE THE ACCURACY OF SAID COMPILED SUB-SURFACE INFORMATION TO ANY CERTAIN DEGREE OF STATED TOLERANCE. ONLY PHYSICALLY LOCATED SUB-SURFACE UTILITY FEATURES FALL WITHIN NORMAL STANDARD OF CARE ACCURACIES.
- 2. THE LOCATIONS OF UNDERGROUND PIPES, CONDUITS, AND STRUCTURES HAVE BEEN DETERMINED FROM SAID INFORMATION, AND ARE APPROXIMATE ONLY. COMPILED LOCATIONS OF ANY UNDERGROUND STRUCTURES, NOT VISIBLY OBSERVED AND LOCATED, CAN VARY FROM THEIR ACTUAL LOCATIONS.
- 3. ADDITIONAL BURIED UTILITIES/STRUCTURES MAY BE ENCOUNTERED.
- 4. THE STATUS OF UTILITIES, WHETHER ACTIVE, ABANDONED, OR REMOVED, IS AN UNKNOWN CONDITION AS FAR AS OUR COMPILATION OF THIS INFORMATION.
- 5. IT IS INCUMBENT UPON INDIVIDUALS USING THIS INFORMATION TO UNDERSTAND THAT COMPILING UTILITY INFORMATION IS NOT EXACT, AND IS SUBJECT TO CHANGE BASED UPON VARYING PLAN INFORMATION RECEIVED AND ACTUAL LOCATIONS.
- 6. THE ACCURACY OF MEASURED UTILITY INVERTS AND PIPE SIZES IS SUBJECT TO FIELD CONDITIONS, THE ABILITY TO MAKE VISUAL OBSERVATIONS, DIRECT ACCESS TO THE VARIOUS ELEMENTS AND OTHER MATTERS.
- 7. THE PROPER UTILITY ENGINEERING/COMPANY SHOULD BE CONSULTED AND THE ACTUAL LOCATIONS OF SUBSURFACE STRUCTURES SHOULD BE VERIFIED IN THE FIELD (V.I.F.) BEFORE PLANNING FUTURE CONNECTIONS. CONTACT THE DIG SAFE CALL CENTER AT 1-888-344-7233, SEVENTY-TWO HOURS PRIOR TO EXCAVATION, BLASTING, GRADING, AND/OR PAVING.
- 8. AS OF THE DATE OF THIS PLAN RECORD INFORMATION HAS NOT BEEN RECEIVED BY NITSCH ENGINEERING FOR THE FOLLOWING UTILITIES: -VERIZON MCI -CROWN CASTLE -RAYTHEON -CSX RAILROAD

Nitsch Engineering

www.nitscheng.com

2 Center Plaza, Suite 430 Boston, MA 02108

T: (617) 338-0063 F: (617) 338-6472 Civil Engineering

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Structural Engineering ► Green Infrastructure ► Planning

► GIS

PROJECT # 13907 FILE: 13907 ALTA1.dwg SCALE: 1"= 20' DATE: JULY 20, 2020 PROJECT MANAGER: DRS FIELD BOOK: 765 DRAFTED BY: CHECKED BY:

REV. COMMENTS DATE REVISIONS

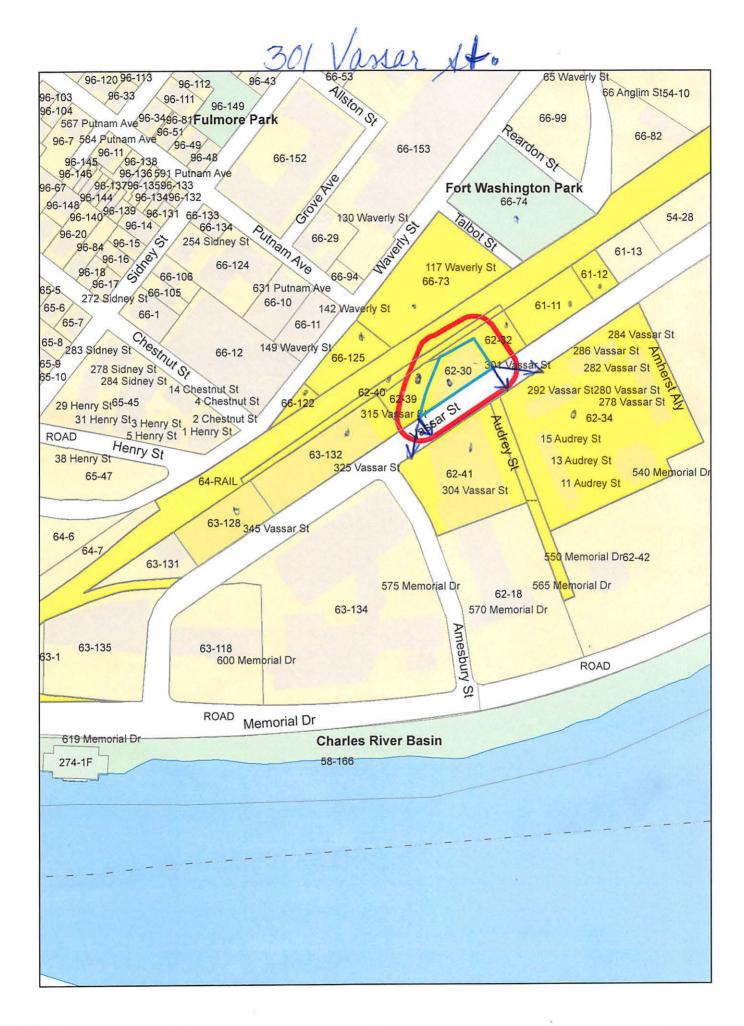
ALTA/NSPS LAND TITLE SURVEY

MASSACHUSETTS INSTITUTE OF TECHNOLOGY 269-301 VASSAR STREET, CAMBRIDGE, MASSACHUSETTS

12700 HILL COUNTRY BLVD., STE. T-200, AUSTIN, TX 78738

PREPARED FOR: AMERICAN CAMPUS COMMUNITIES SHEET: 4

OF 4



301 Vassar St.

62-39
CAMBRIDGE ELECTRIC LIGHT CO.
C/O CAMBRIDGE ELECTRIC CO
PROPERTY TAX DEPT, P.O. BOX 270
HARTFORD, CT 06141-0270

66-74
CAMBRIDGE CITY OF PUBLIC WORKS DEPT
147 HAMPSHIRE ST
CAMBRIDGE, MA 02139

63-132-40 BMR-325 VASSAR STREET LLC, C/O RYAN LLC P.O. BOX 847 CARLSBAD, CA 92018

BOSTON & MAIN RAILROAD IRON HORSE PARK N. BILLERICA, MA 01862 62-30-34-128-41-32 / 66-125 /61-12-11 MASSACHUSETTS INSTITUTE OF TECHNOLOGY C/O MIT INVESTMENTS MANAGEMENT CO ONE BROADWAY, SUITE 09-200 CAMBRIDGE, MA 02142

66-74 CITY OF CAMBRIDGE C/O NANCY GLOWA CITY SOLICITOR

66-73
MIT 117 WAVERLY STREET FEE OWNER LLC
C/O MIT INVESTMENT MGMT CO
ONE BROADWAY, 9TH FL, SUITE 200
CAMBRIDGE, MA 02142

MASS BAY TRANSPORTATION AUTHORITY 50 HIGH STREET BOSTON, MA

MIT OFFICE OF CAMPUS PLANNING C/O KELLEY BROWN 77 MASS AVENUE - NW23-100 CAMBRIDGE, MA 02139

66-74 CITY OF CAMBRIDGE C/O LOUIS DEPASQUALE CITY MANAGER

66-122 CONSOLIDATED RAIL CORP. PROPERTY TAX DEP 500 WATER ST J-910 JACKSONVILLE, FL 32202