5 SITE PLAN SHEETS



PROJECT NARRATIVE

Project Team

Owner:

US Union Square D3.1 Owner LLC 31 Union Square

Somerville, MA. 02143



Architect:

SGA

200 High Street, Floor 2 Boston, MA 02110



MARVEL

Lighting Consultant: Sladen Feinstein 434 Massachusetts Avenue Boston, MA 02118

Wind + Glare Engineer:

600 Southgate Drive

RWDI

Guelph, ON

N1G4PS Canada



Design + Landscape

Architect:

MARVEL DESIGN

145 Hudson Street, New York, NY

10013

Civil Engineer:

Howard Stein Hudson 11 Beacon St Suite 1010, Boston, MA

02108. United States

HOWARD STEIN HUDSON

Structural Engineer:

McNamara Salvia

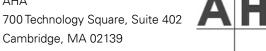
101 Federal Street, Suite 1100

Boston, MA 02110



MEP Engineer:

700 Technology Square, Suite 402



LEED Consultant:

db, HMS

5 Upland Road, Suite 3

Cambridge, MA 02140



D3.1-G000 CONTACTS + DRAWING LIST

D3.1-G101 ZONING MAP | BASE DISTRICTS AND OVERLAY

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D3.1-A312 BUILDING SIGNAGE DETAILS

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D3.1-L004 PLANTING PALETTE

D3.1-L005 LANDSCAPE DETAILS

UNION SQUARE SOMERVILLE, MA



US UNION SQUARE D3.1 OWNER LLC

31 Union Square Somerville, MA. 02143

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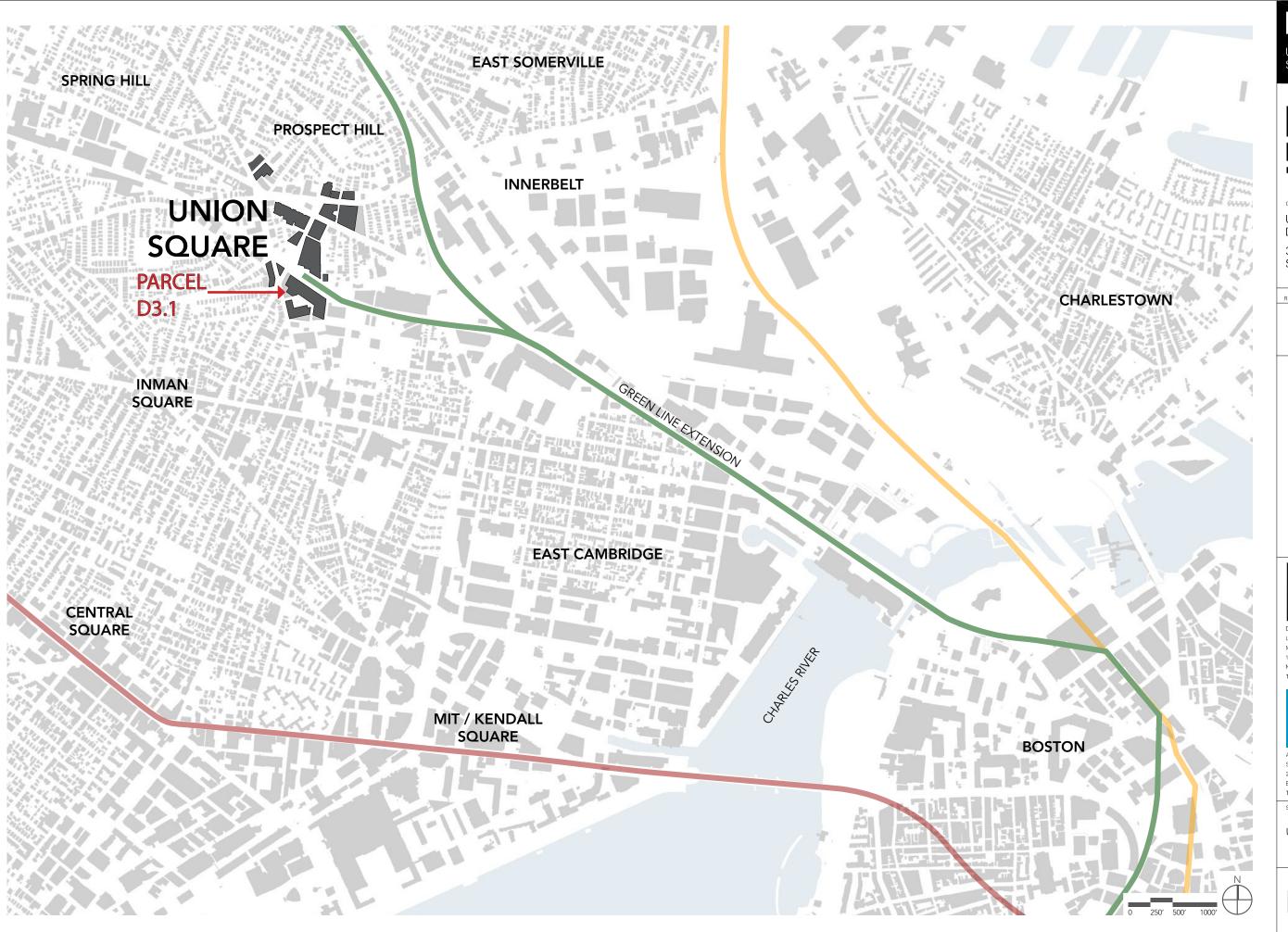


T 1 857 300 2610 SHEET TITLE

200 High Street, 2nd Flo Boston, MA 02110

CONTACTS AND DRAWING LIST

SPAGNOLO GISNESS & ASSOCIATES, INC.





OWNER

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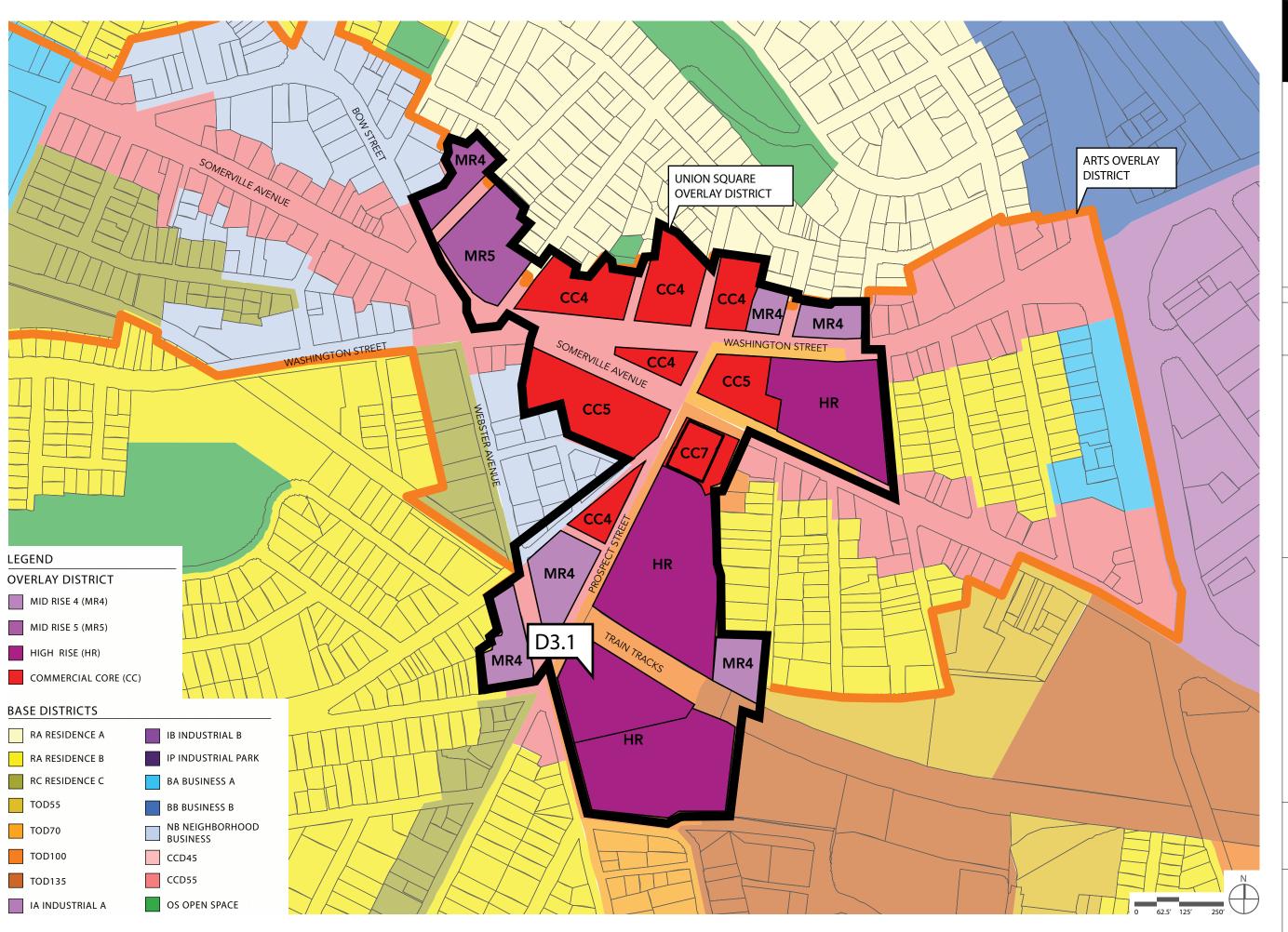
145 Hudson Street New York, NY 10013 T 1 212 616 0420



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SHEET TITLE

URBAN LOCUS MAP





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DESIGN ARCHITECT LANDSCAPE ARCHITECT

MARVEL 145 Hudson Street



ARCHITECT OF RECORD

SPAGNOLO GISNESS & ASSOCIATES, INC.

200 High Street, 2nd Floor Boston, MA 02110 T 1.857.300.2610

SHEET TITLE

ZONING MAP | BASE DISTRICTS AND OVERLAY





OWNER

US UNION SQUARE D3.1 OWNER LLC

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LANDSCAPE ARCHITECT MARVEL 145 Hudson Street

5 Hudson Street ew York, NY 10013 1 212 616 0420



ARCHITECT OF RECORD

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SHEET TITLE

CDSP LOCUS MAP





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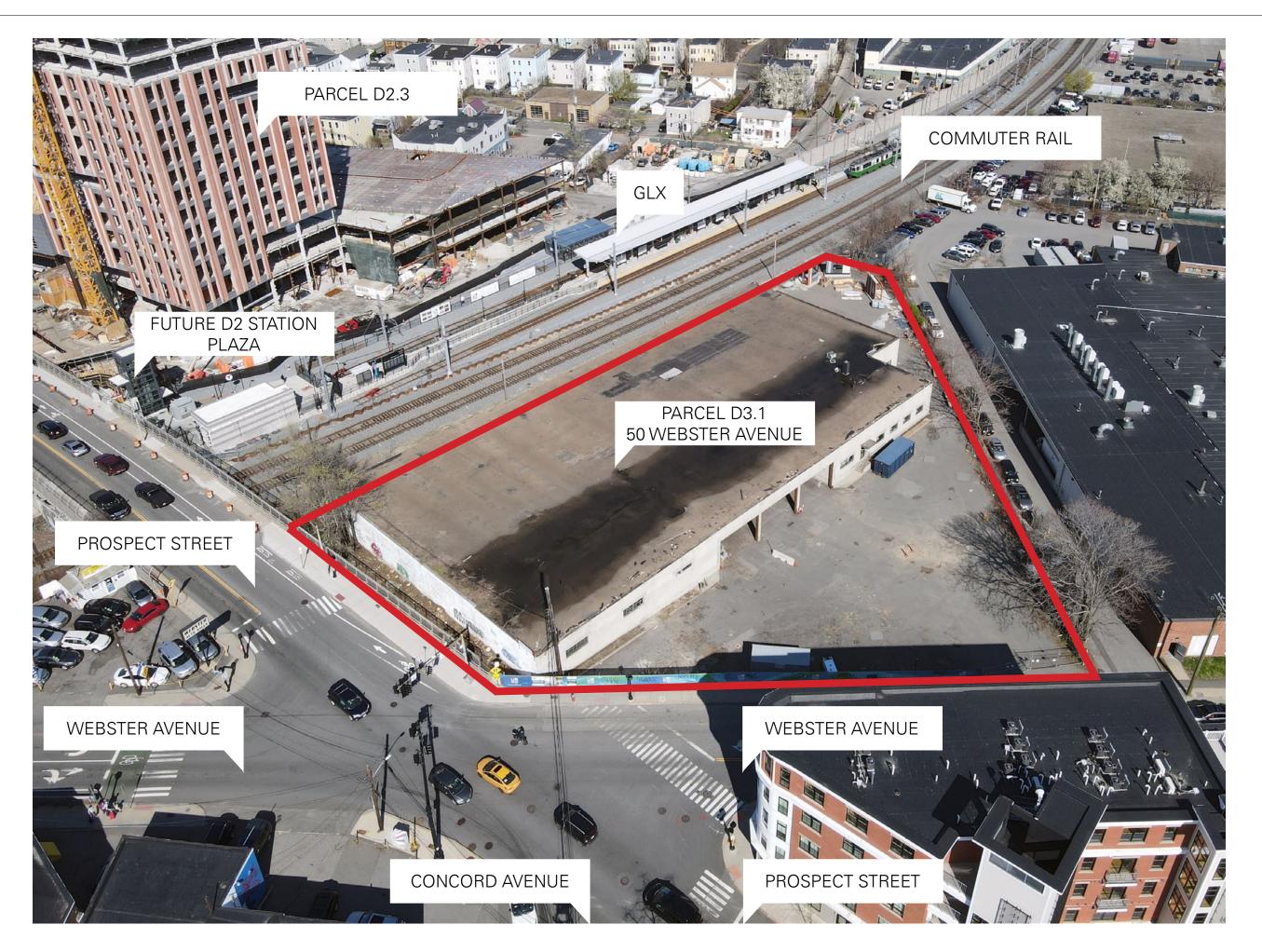




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CDSP LOCUS MAP | BUILDING LOT





OWN

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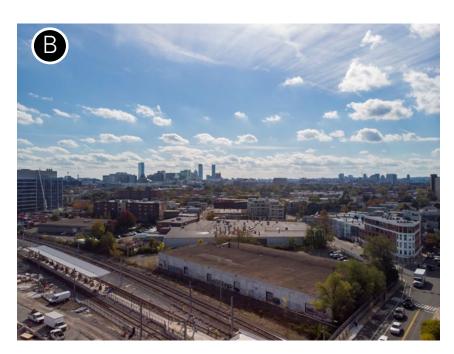
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CONTEXT AERIAL PHOTOGRAPH

















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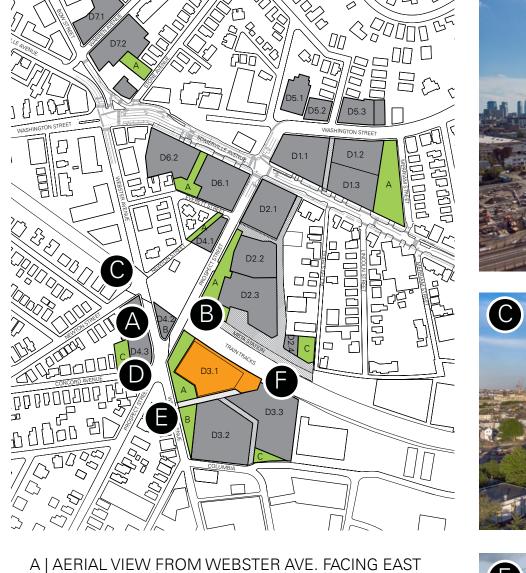


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SHEET TITLE

CONTEXT PHOTOGRAPHS

D3.1-G201



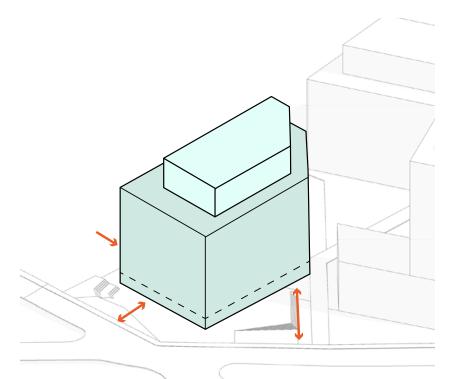
B | AERIAL VIEW FROM GLX FACING SOUTH

C | AERIAL VIEW FROM GLX FACING EAST

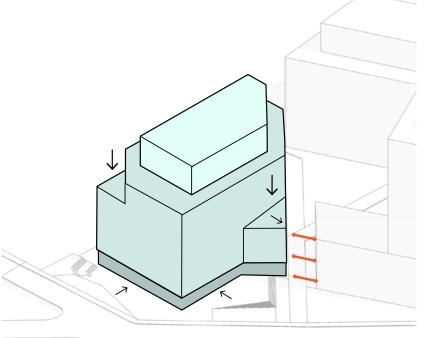
D | VIEW FROM CORNER OF WEBSTER AVE. AND PROSPECT ST.

E | VIEW FROM WEBSTER AVE. FACING NORTH

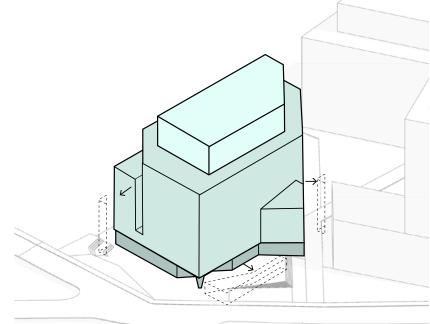
F | VIEW FROM SERVICE ROAD FACING WEST



1 | CDSP MASSING



2 | BASE, MIDDLE, TOP



3 | VOLUME ARTICULATION

D3.1

UNION SQUARE SOMERVILLE, MA



OWN

US UNION SQUARE D3.1 OWNER LLC

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EVOLUTION OF MASSING DIAGRAMS



OWN

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SHEET TITLE

VIEW FROM WEBSTER AVENUE





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SHEET TITLE

VIEW FROM PROSPECT STREET



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SHEET TITLE

VIEW FROM PROSPECT STREET AT NIGHT





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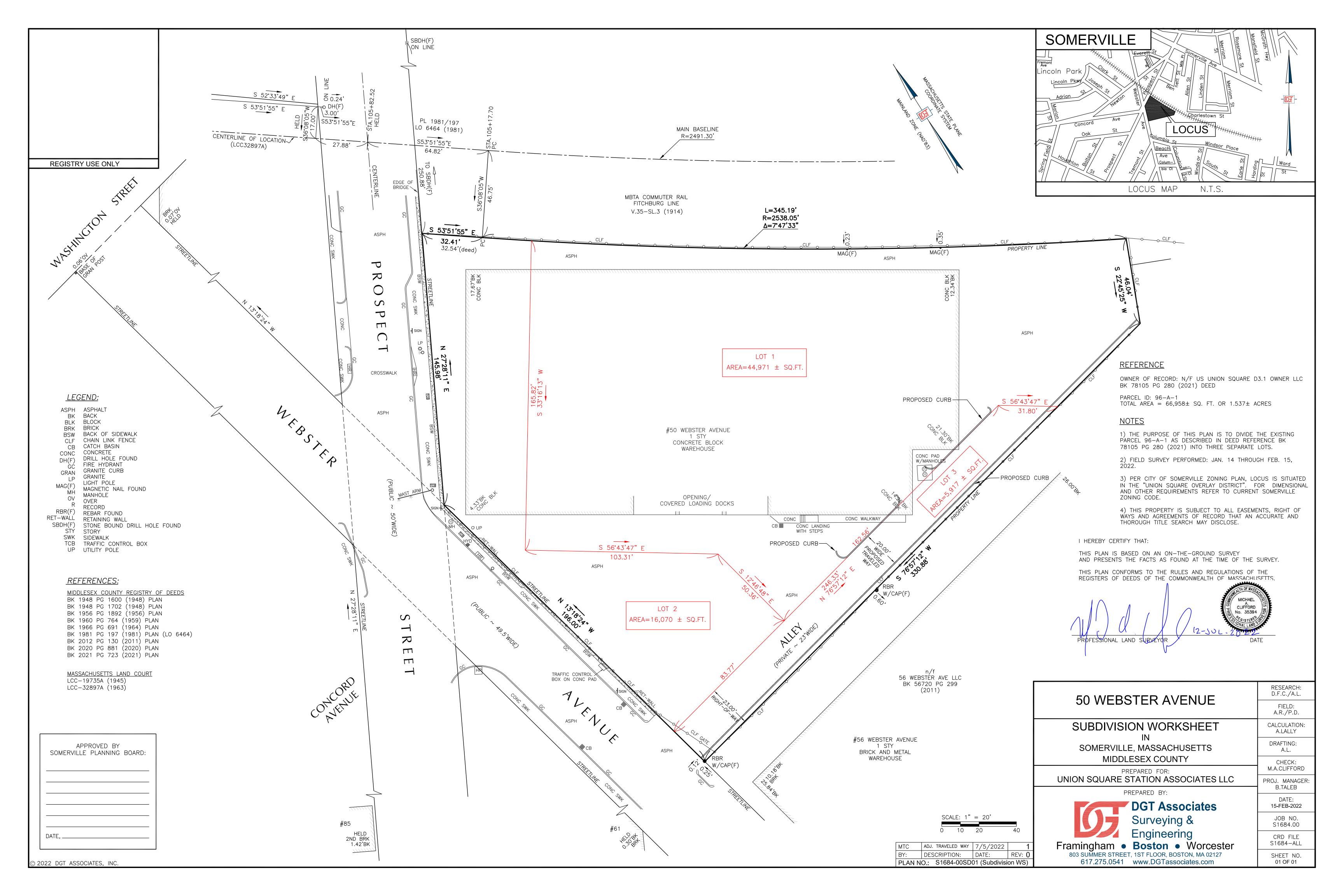
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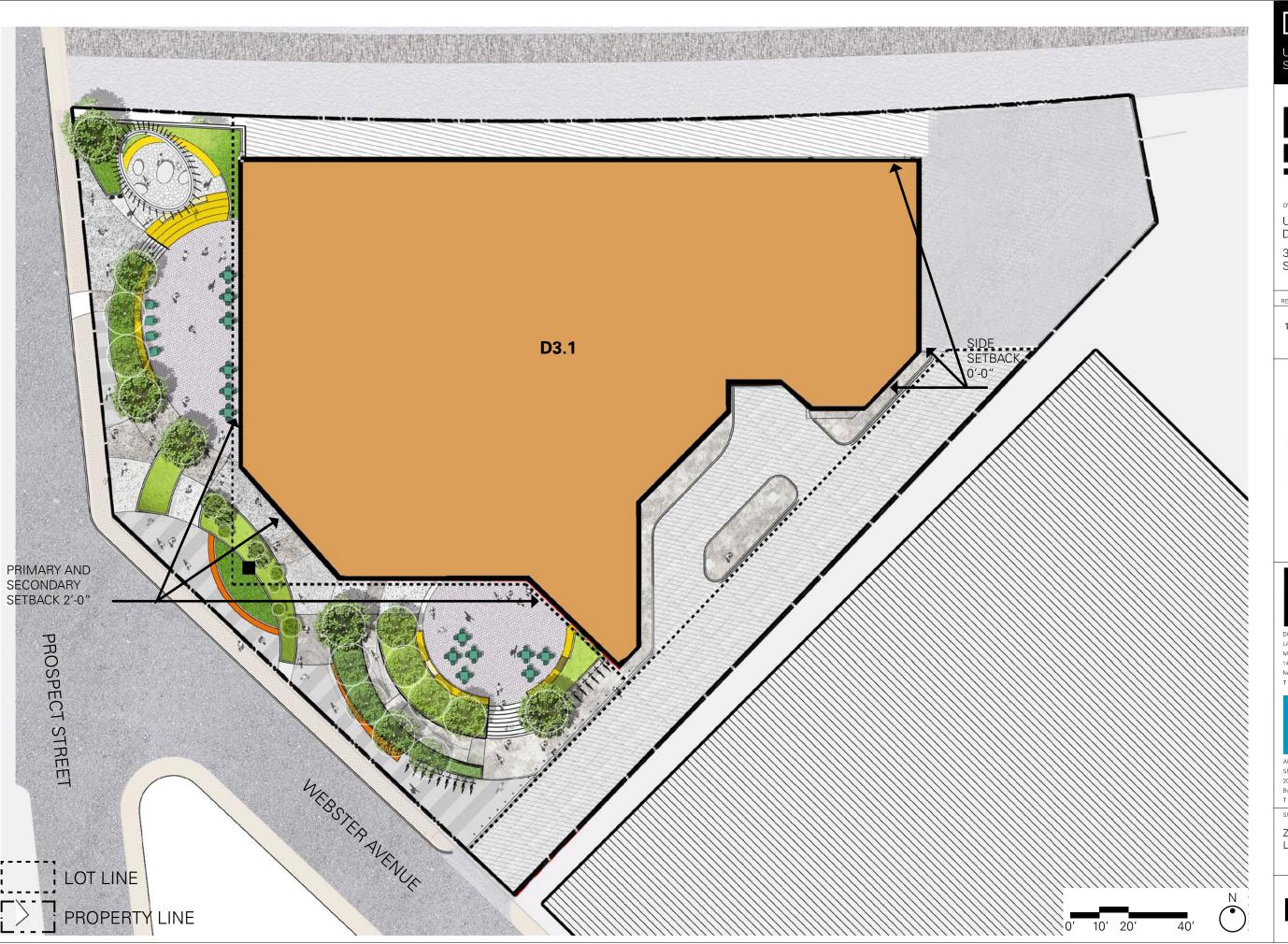


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SHEET TITLE

COLUMN PASS THROUGH CLOSE UP AT DAY AND NIGHT







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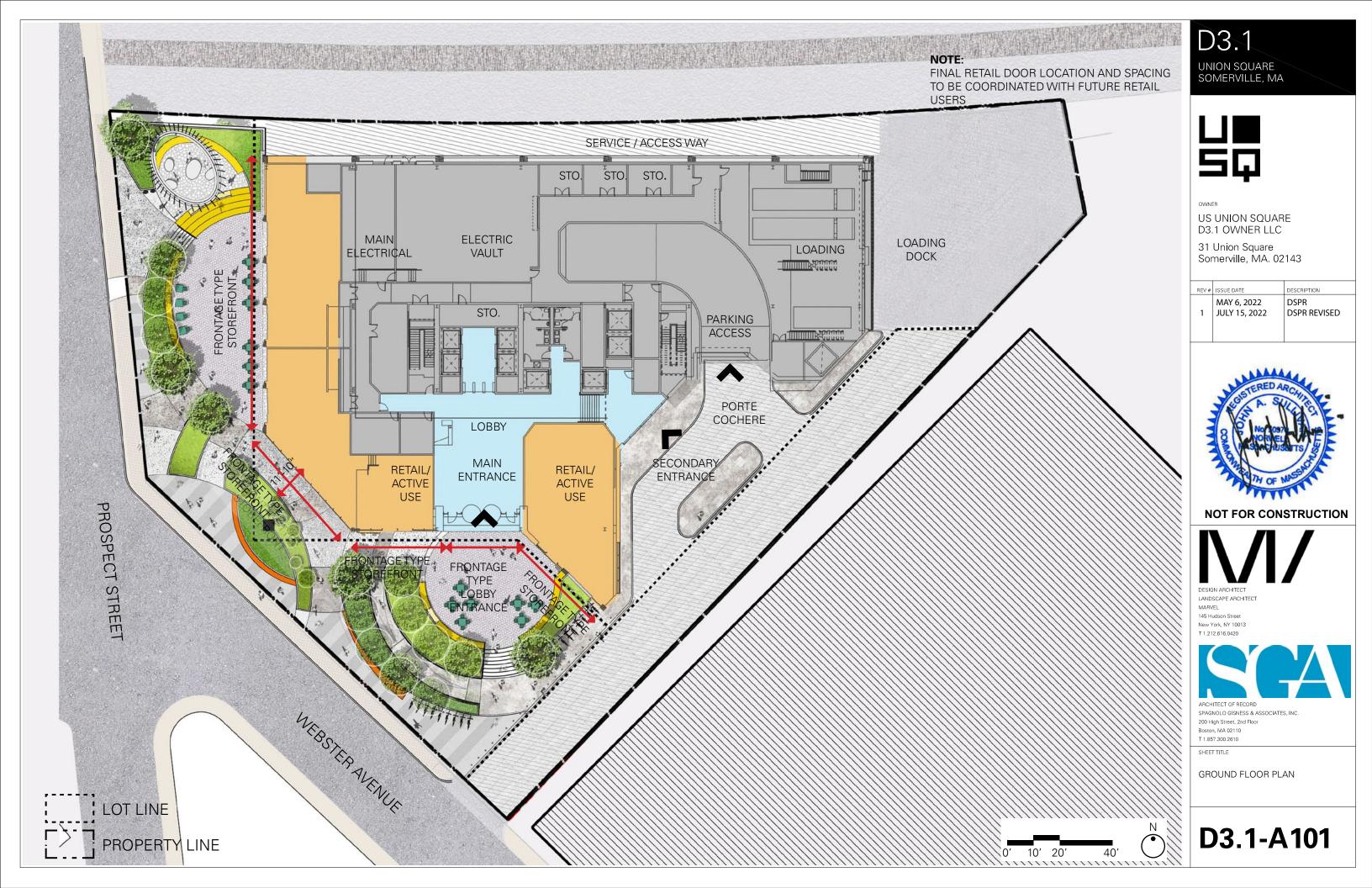


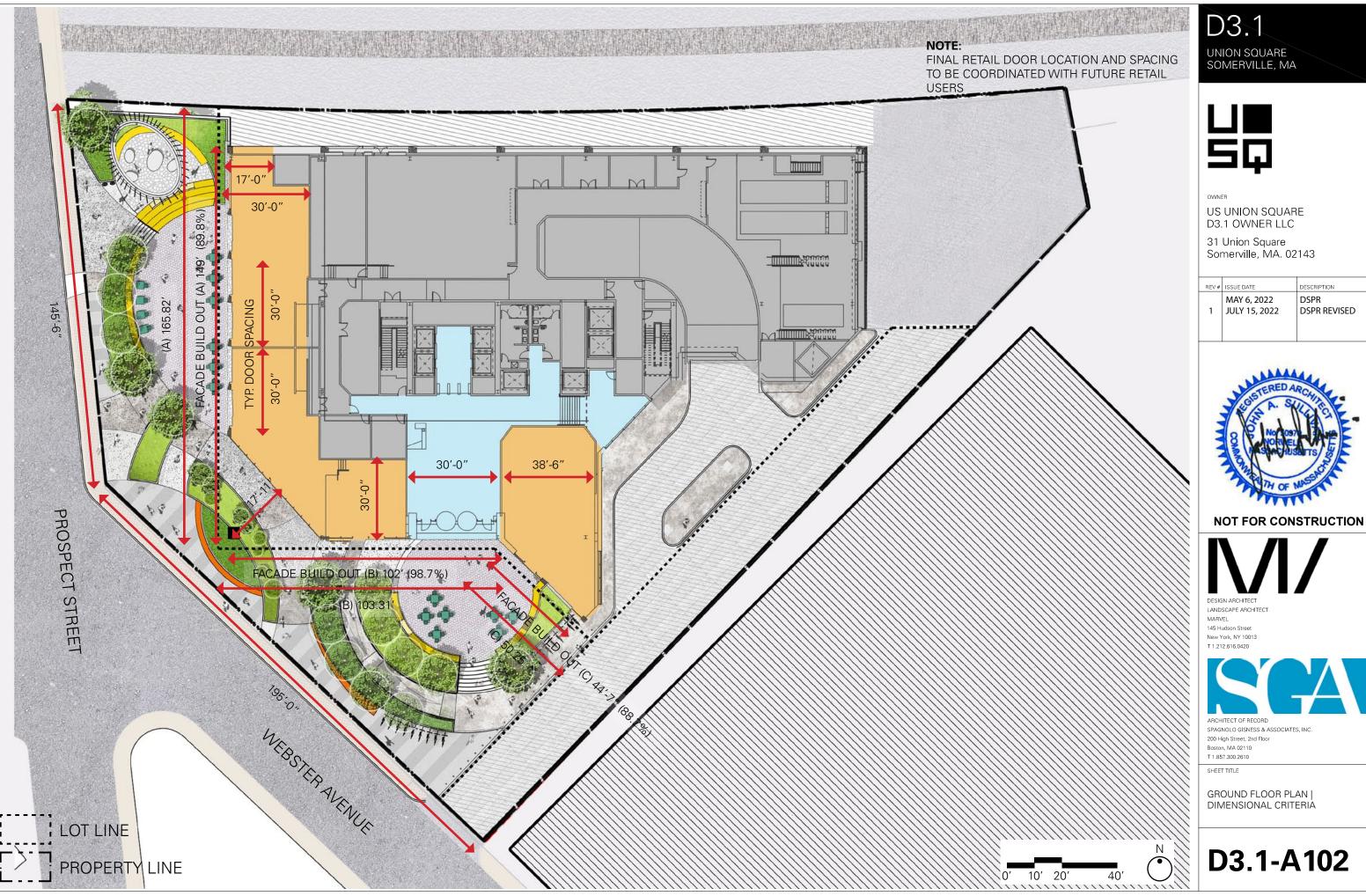
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SHEET TITLE

ZONING PLAN | SCALED SITE LAYOUT PLAN





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Zoning	Required	Proposed
Long-Term Bicycle Parking:		
		7,000 sf / 10,000 sf
Retail	1.0 / 10,000 sf	1 space required
		109,200 sf / 3,000 sf
Office	1.0 / 3,000 sf	37 spaces required
		163,800 / 5,000 sf
R&D / Lab	1.0 / 5,000 sf	33 spaces required
		71 spaces required

Total Building	280,000
Office (40%)	109,200
R&D / Lab (60%)	163,800
Retail	7,000

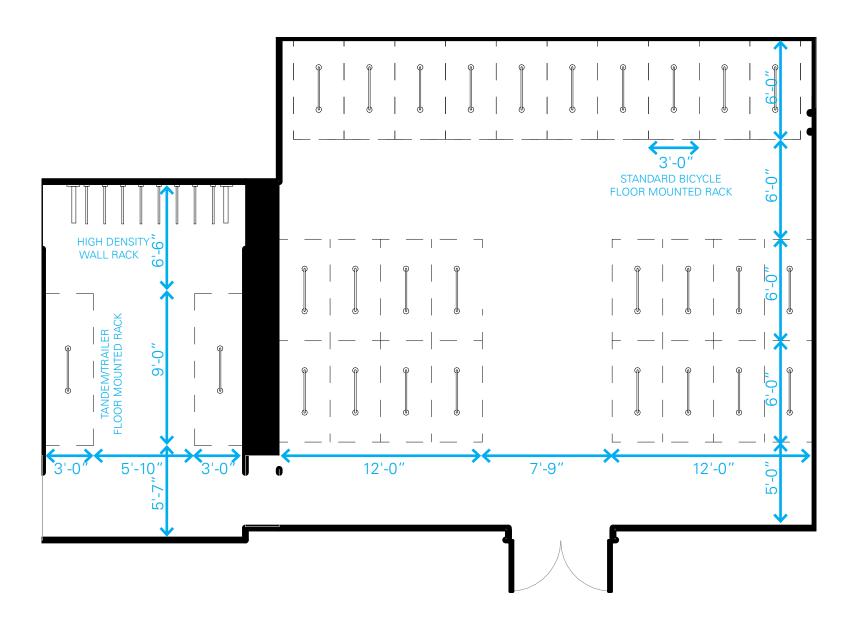
	Proposed	
1ax. 25% 17 spaces	16 spaces*	
lin. 3% 3 spaces 2 spaces	4 spaces 52 spaces	2 racks 26 racks
1	in. 3% 3 spaces	

Notes:

*two-tier racks

Bicycle parking to be in accordance with The Association of Pedestrian and Bicycle Professionals Bicycle Parking Guidelines Each bicycle parking space must be 2' x 6' in size

No more than 25% of spaces may be provided as racks that require bicycles to be hung or lifted off the ground When 20 or more spaces are provided, a minimum of 5% of spaces must accommodate tandem or trailers (3' x 8' in size) Access aisle of 5'-0" min. wide to allow for manuevering







OWNER

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LANDSCAPE ARCHI MARVEL 145 Hudson Street

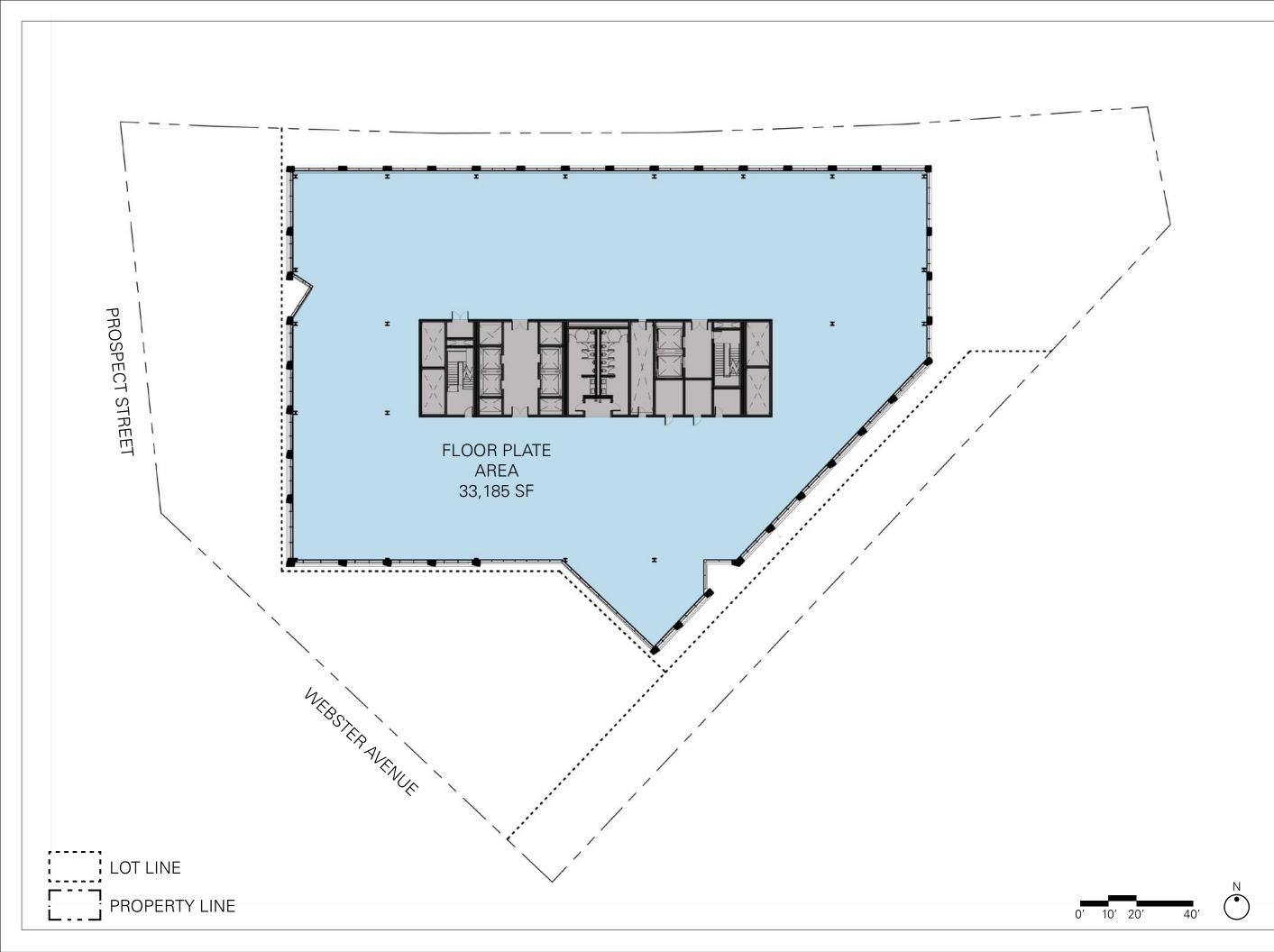
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SHEET TITLE

GROUND FLOOR PLAN | ENLARGED BICYCLE PARKING







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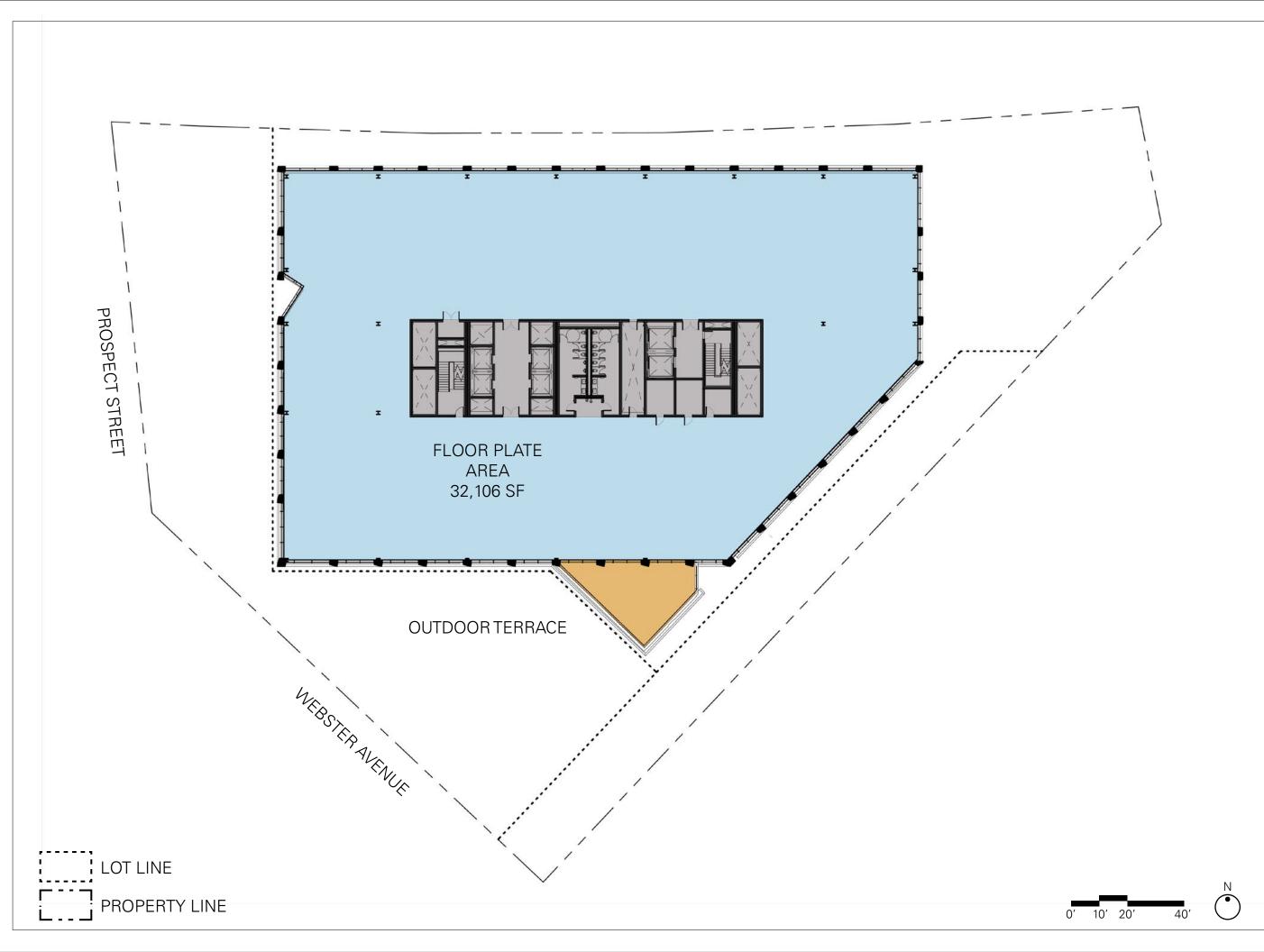




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SHEET TITLE

TYPICAL UPPER FLOOR PLAN





OWN

US UNION SQUARE D3.1 OWNER LLC

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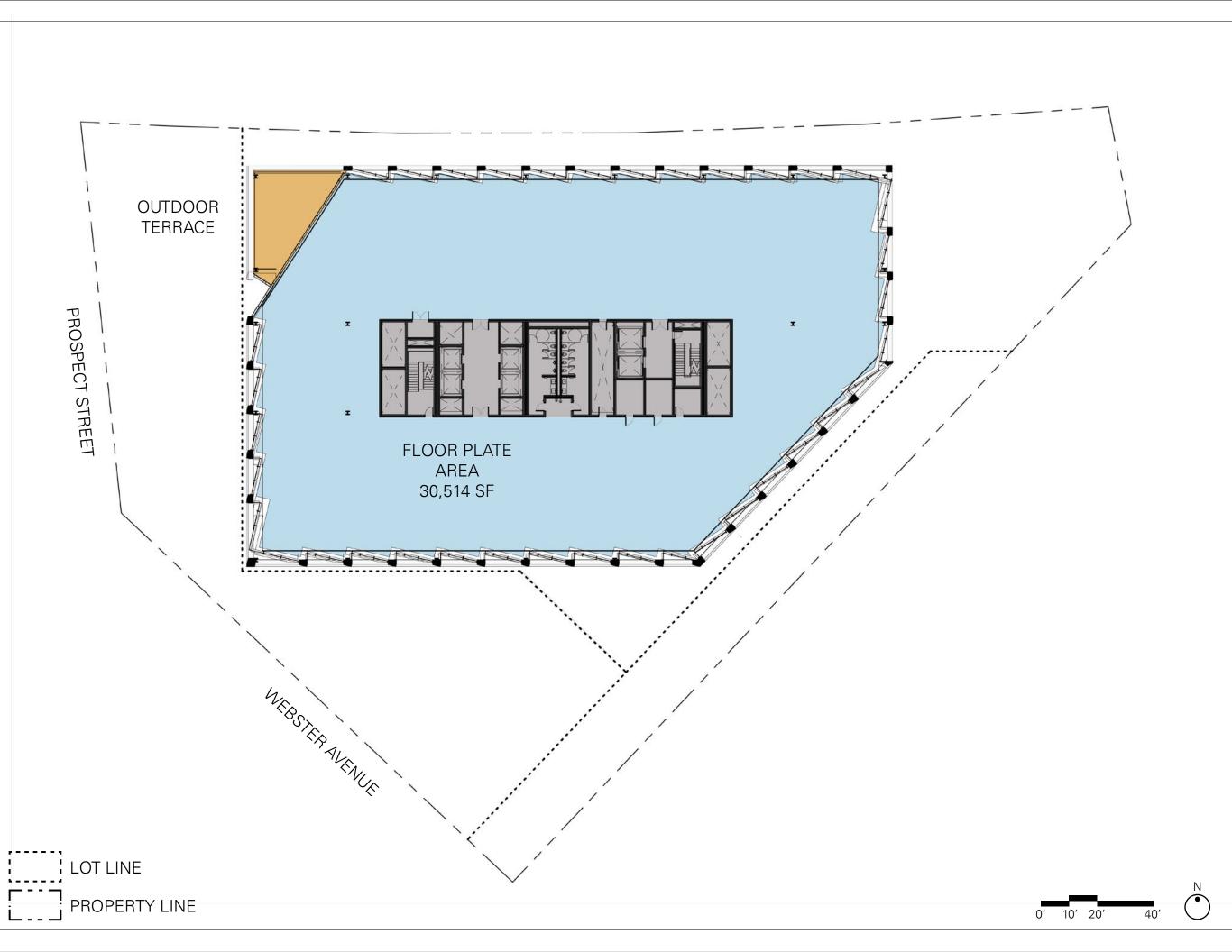
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SHEET TITLE

LEVEL 6 FLOOR PLAN





OWN

US UNION SQUARE D3.1 OWNER LLC

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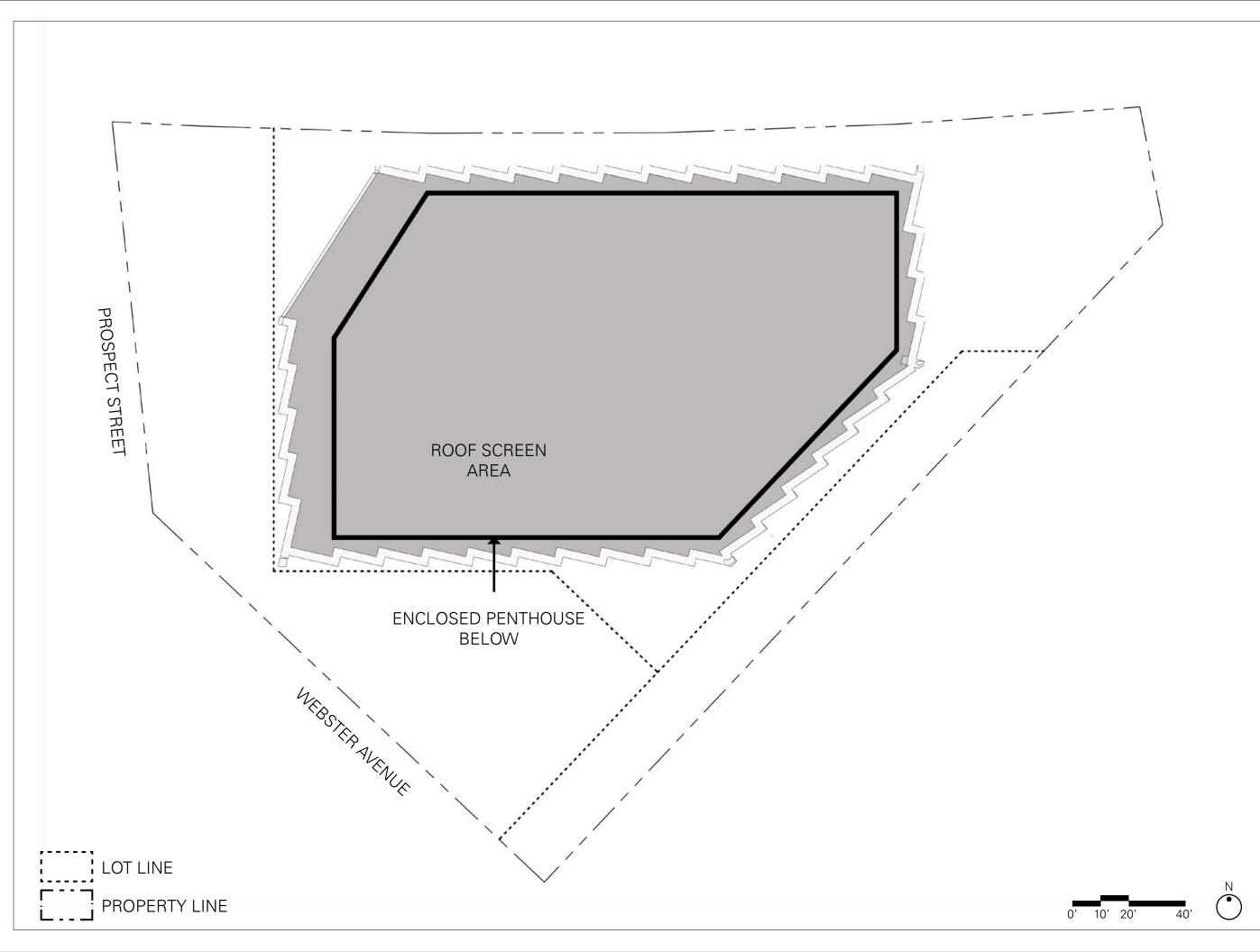
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SHEET TITLE

LEVEL 8 FLOOR PLAN





OWN

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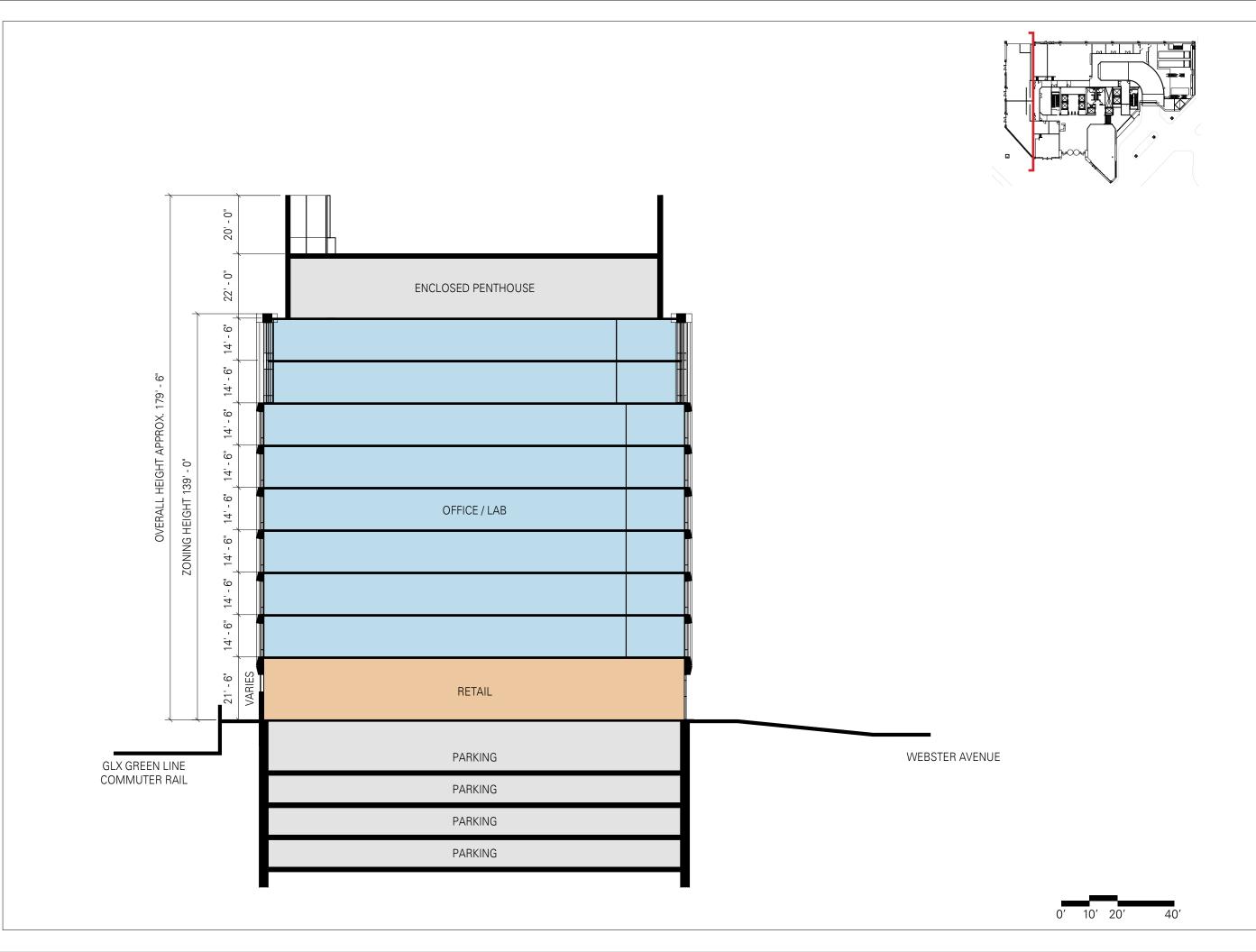
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Boston, MA 02110

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SHEET TITLE

LEVEL M2 | ROOF PLAN





US UNION SQUARE D3.1 OWNER LLC

31 Union Square Somerville, MA. 02143

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LANDSCAPE ARCHITECT

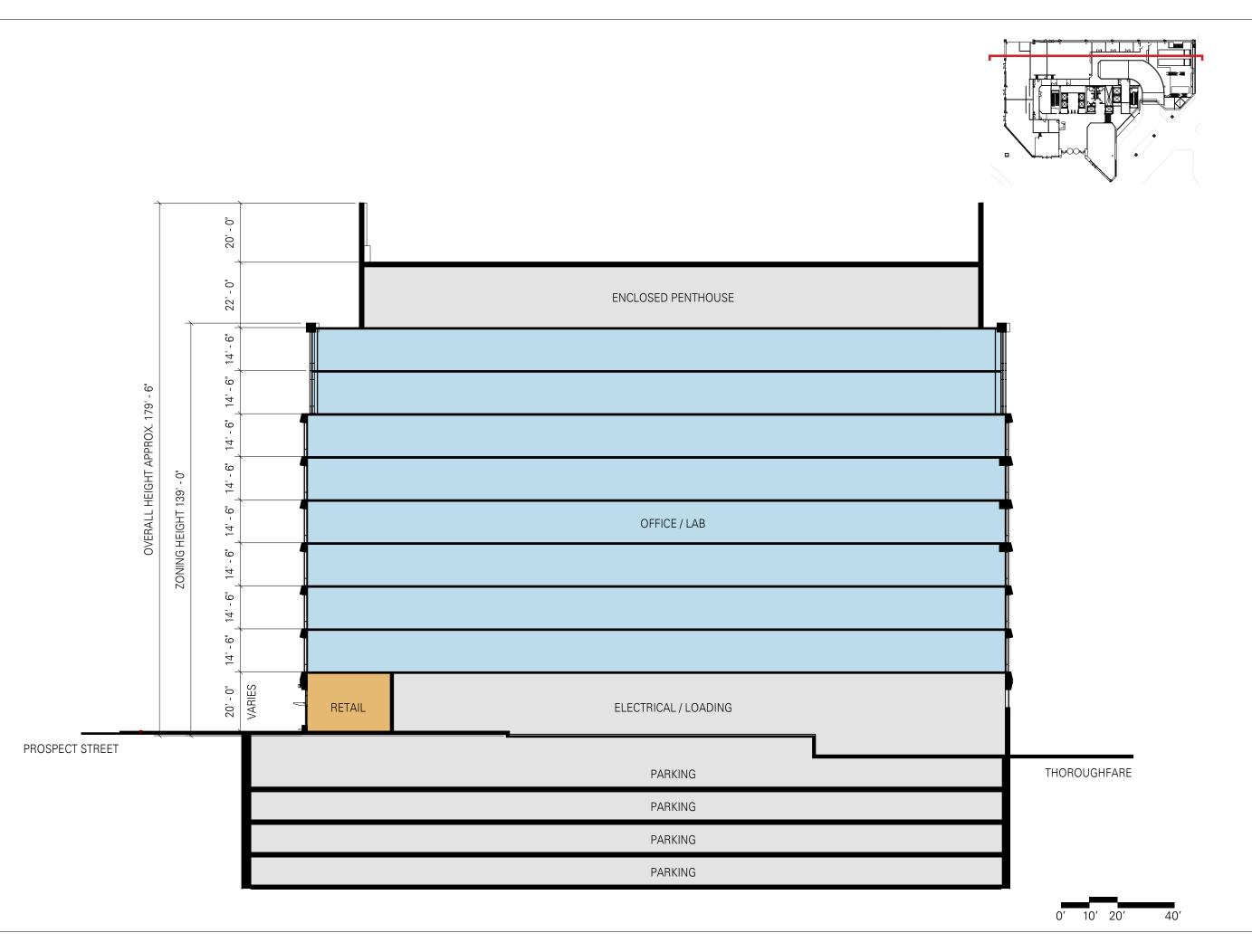
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SHEET TITLE

NORTH-SOUTH BUILDING SECTION





OWNER

US UNION SQUARE D3.1 OWNER LLC

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ARCHITECT OF RECORD
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200 High Street, 2nd Floor
Boston, MA 02110
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SHEET TITLE

EAST-WEST BUILDING SECTION



OWNER

US UNION SQUARE D3.1 OWNER LLC

31 Union Square Somerville, MA. 02143

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LANDSCAPE ARCHITECT MARVEL 145 Hudson Street New York, NY 10013



ARCHITECT OF RECORD

SPAGNOLO GISNESS & ASSOCIATES, INC.
200 High Street, 2nd Floor

Boston, MA 02110

Boston, MA 02110 T 1.857.300.2610

SHEET TITLE

0' 10' 20'

SOUTH BUILDING ELEVATION





OWNER

US UNION SQUARE D3.1 OWNER LLC

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DESIGN ARCHITECT
LANDSCAPE ARCHITECT
MARVEI

145 Hudson Street New York, NY 10013



ARCHITECT OF RECORD

SPAGNOLO GISNESS & ASSOCIATES, INC.
200 High Street, 2nd Floor
Boston, MA 02110

Boston, MA 02110 T 1.857.300.2610

SHEET TITLE

0' 10' 20'

WEST BUILDING ELEVATION





OWNER

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SHEET TITLE

0' 10' 20'

NORTH BUILDING ELEVATION





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200 High Street, 2nd Floor
Boston, MA 02110

Boston, MA 02110 T 1.857.300.2610

SHEET TITLE

0' 10' 20'

EAST BUILDING ELEVATION







OWNER

US UNION SQUARE D3.1 OWNER LLC

31 Union Square Somerville, MA. 02143

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DESIGN ARCHITECT

LANDSCAPE ARCHITECT MARVEL 145 Hudson Street

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Boston, MA 02110 T 1.857.300.2610 SHEET TITLE

FACADE FENESTRATION ANALYSIS | WEBSTER AVENUE







OWN

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31 Union Square Somerville, MA. 02143

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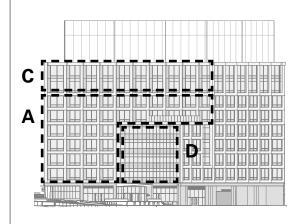
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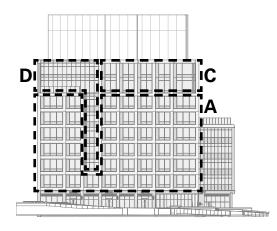
SPAGNOLO GISNESS & ASSOCIATES, INC.
200 High Street, 2nd Floor
Boston, MA 02110

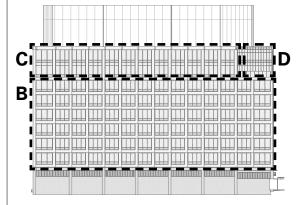
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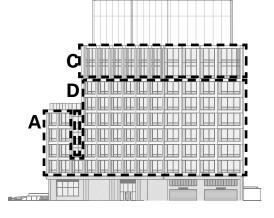
SHEET TITLE

FACADE FENESTRATION ANALYSIS | PROSPECT STREET











FACADETYPE A

FENESTRATION

- -(57% -72% SOLID TO VOID)
- -(28% -43% VISION GLASS)

PRIMARY FACADE MATERIALS:

- -VISION GLASS & SPANDREL GLASS | VLT 40% MIN. | VLR 15% MIN.
- -PANELIZED VOLUMETRIC ENCLOSURE



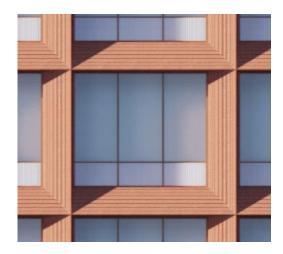
FACADETYPE C

FENESTRATION

- -(49% -54% SOLID TO VOID)
- -(46% -51% VISION GLASS)

PRIMARY FACADE MATERIALS:

- -VISION GLASS & SPANDREL GLASS | VLT 40% MIN. | VLR 15% MIN.
- -PANELIZED VOLUMETRIC ENCLOSURE



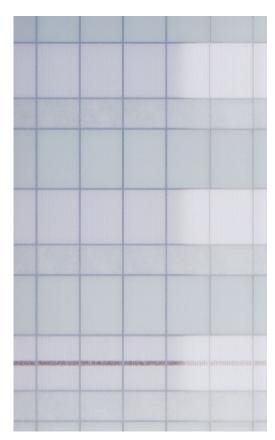
FACADE TYPE B

FENESTRATION

- -(50% -52% SOLID TO VOID)
- -(48% -50% VISION GLASS)

PRIMARY FACADE MATERIALS:

- -VISION GLASS & SPANDREL GLASS | VLT 40% MIN. | VLR 15% MIN.
- -PANELIZED VOLUMETRIC ENCLOSURE



FACADE TYPE D

FENESTRATION

- -(38% SOLID TO VOID)
- -(62% VISION GLASS)

PRIMARY FACADE MATERIALS:

-VISION GLASS & SPANDREL GLASS | VLT 40% MIN. | VLR 15% MIN.





OWN

US UNION SQUARE D3.1 OWNER LLC

31 Union Square Somerville, MA. 02143

| REV # | ISSUE DATE | DESCRIPTION | | MAY 6, 2022 | DSPR | DSPR REVISED | DSPR REVISED |



NOT FOR CONSTRUCTION



LANDSCAPE ARCHITI

145 Hudson Street New York, NY 10013



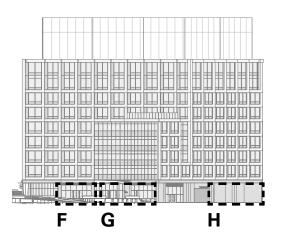
ARCHITECT OF RECORD

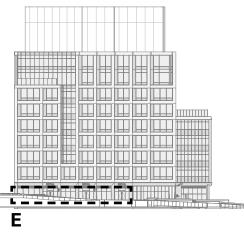
SPAGNOLO GISNESS & ASSOCIATES, INC
200 High Street, 2nd Floor

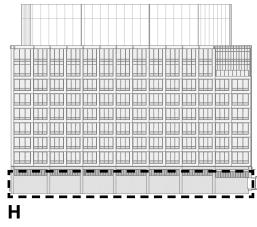
Boston, MA 02110 T 1.857.300.2610

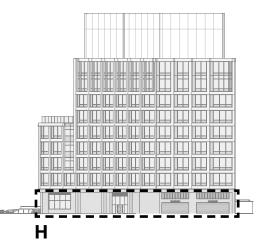
SHEET TITLE

FENESTRATION ANALYSIS











FACADETYPE E

FENESTRATION

- -(46% SOLID TO VOID)
- -(54% VISION GLASS)
- PRIMARY FACADE MATERIALS:
- -VISION GLASS & SPANDREL GLASS | VLT 60% MIN. | VLR 15% MIN.
- -SOLID SURFACE PANEL



FACADETYPE F

FENESTRATION

- -(45% SOLID TO VOID)
- -(55% VISION GLASS)

PRIMARY FACADE MATERIALS:

- -VISION GLASS & SPANDREL GLASS | VLT 60% MIN. | VLR 15% MIN.
- -SOLID SURFACE PANEL



FACADETYPE G

FENESTRATION

- -(43% SOLID TO VOID)
- -(57% VISION GLASS)

PRIMARY FACADE MATERIALS:

- -VISION GLASS & SPANDREL GLASS | VLT 60% MIN. | VLR 15% MIN.
- -SOLID SURFACE PANEL



FACADETYPE H

FENESTRATION

- -(76% -100% SOLID TO VOID)
- -(0% -24% VISION GLASS)

PRIMARY FACADE MATERIALS:

- -VISION GLASS & SPANDREL GLASS | VLT 60% MIN. | VLR 15% MIN.
- -SOLID SURFACE PANEL





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DESIGN ARCHITECT

ARVEL

New York, NY 10013

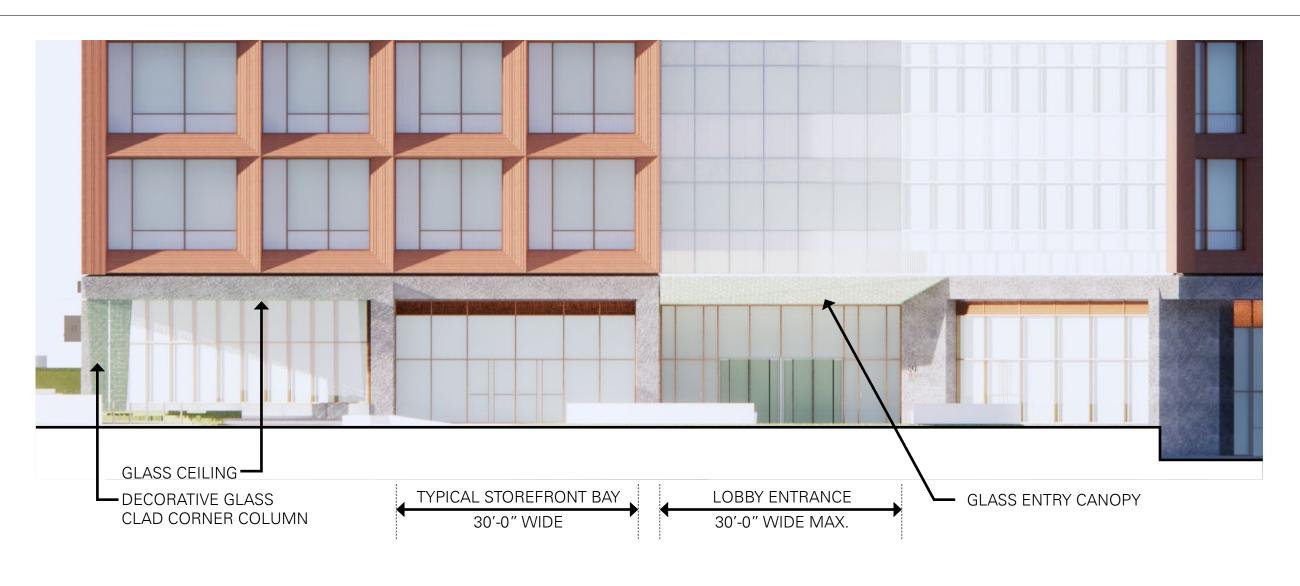


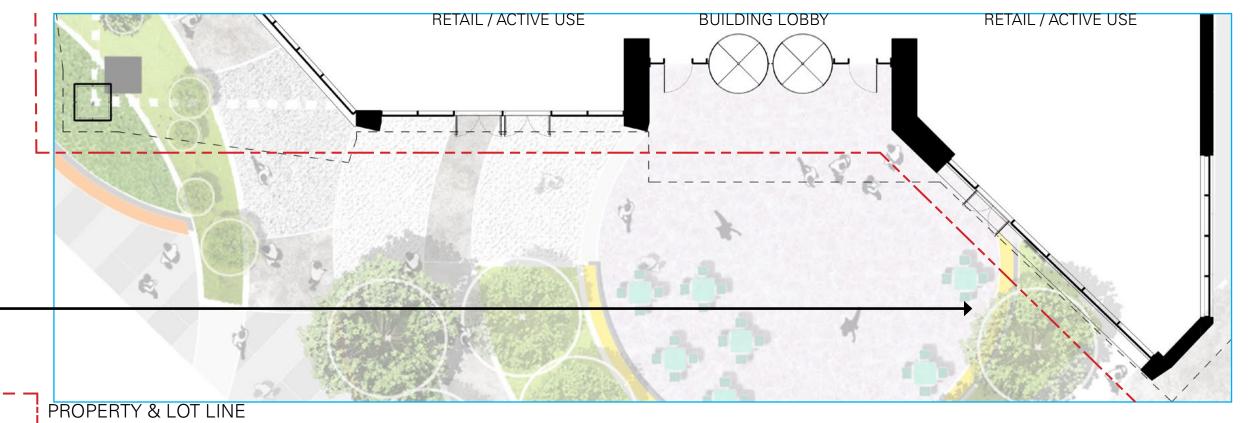
ARCHITECT OF RECORD
SPAGNOLO GISNESS & ASSOCIATES, INC.
200 High Street, 2nd Floor

Boston, MA 02110 T 1.857.300.2610

SHEET TITLE

FENESTRATION ANALYSIS







OWN

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DESIGN ARCHITEC LANDSCAPE ARCH

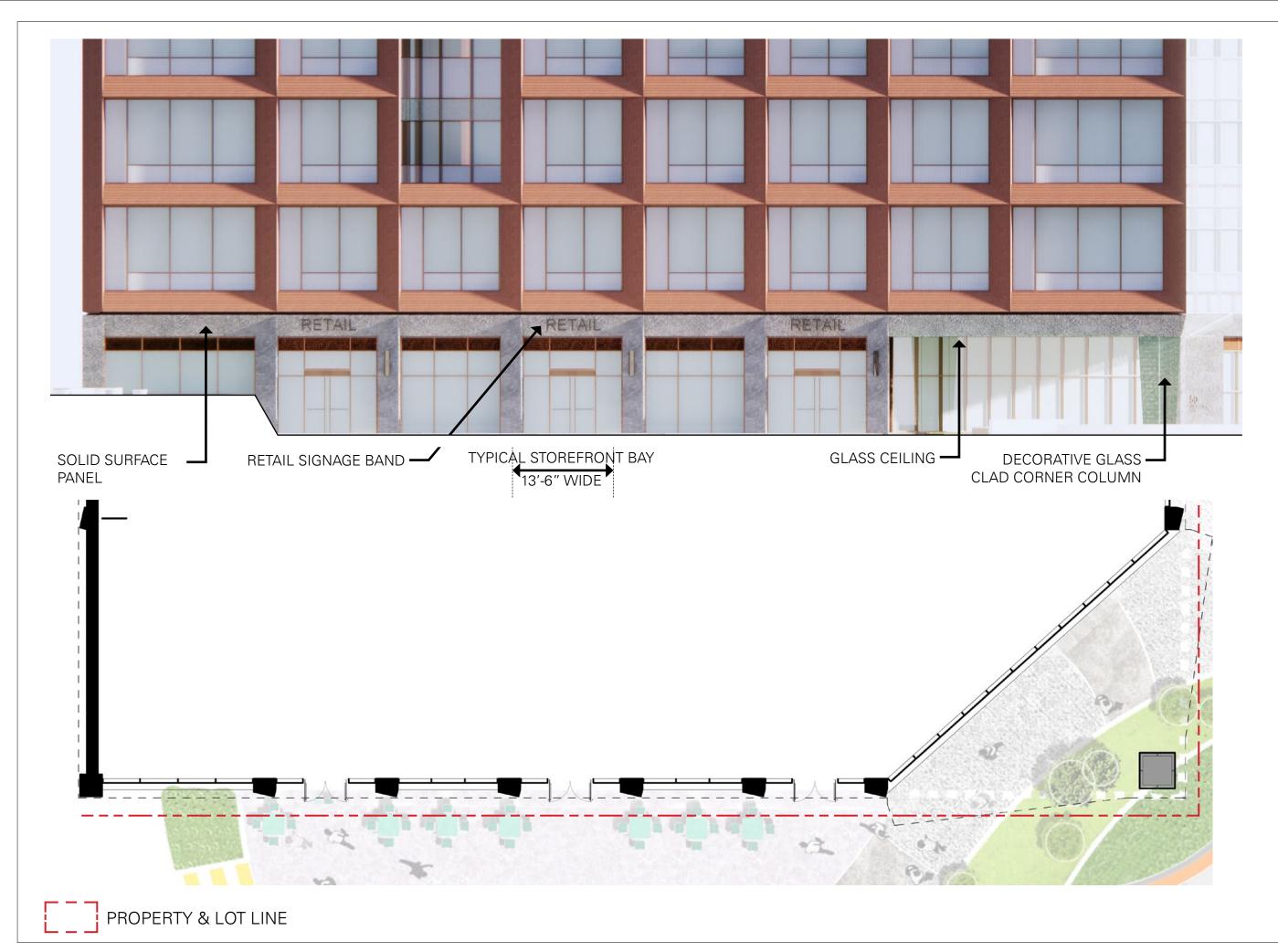
MARVEL 145 Hudson Street New York, NY 10013



SPAGNOLO GISNESS & ASSOCIATES, INC.
200 High Street, 2nd Floor
Boston, MA 02110

Boston, MA 02110 T 1.857.300.2610 SHEET TITLE

GROUND LEVEL DESIGN | WEBSTER STREET





OWNER

US UNION SQUARE D3.1 OWNER LLC

31 Union Square Somerville, MA. 02143

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LANDSCAPE ARCHITECT MARVEL

145 Hudson Street New York, NY 10013 T 1.212.616.0420



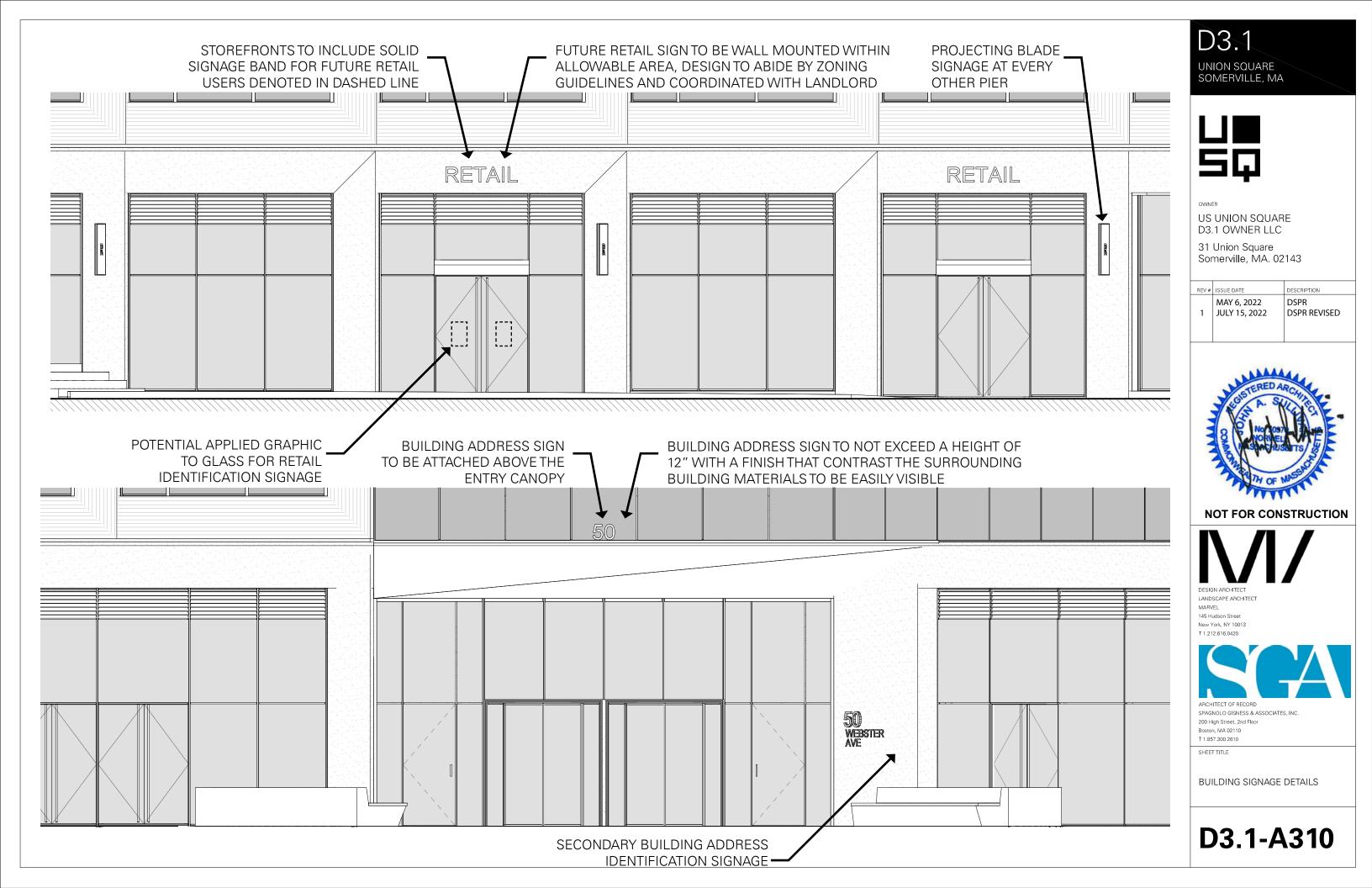
ARCHITECT OF RECORD

SPAGNOLO GISNESS & ASSOCIATES, INC.
200 High Street, 2nd Floor
Boston, MA 02110

Boston, MA 02110 T 1.857.300.2610

SHEET TITLE

GROUND LEVEL DESIGN | PROSPECT STREET





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OWNE

US UNION SQUARE D3.1 OWNER LLC

31 Union Square Somerville, MA. 02143

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ANDSCAPE ARCH MARVEL 45 Hudson Street

145 Hudson Street New York, NY 10013 T 1.212.616.0420



ARCHITECT OF RECORD

SPAGNOLO GISNESS & ASSOCIATES, INC.
200 High Street, 2nd Floor
Boston, MA 02110

Boston, MA 02110 T 1.857.300.2610

SHEET TITLE

BUILDING SIGNAGE DETAILS



US UNION SQUARE D3.1 OWNER LLC

31 Union Square Somerville, MA. 02143

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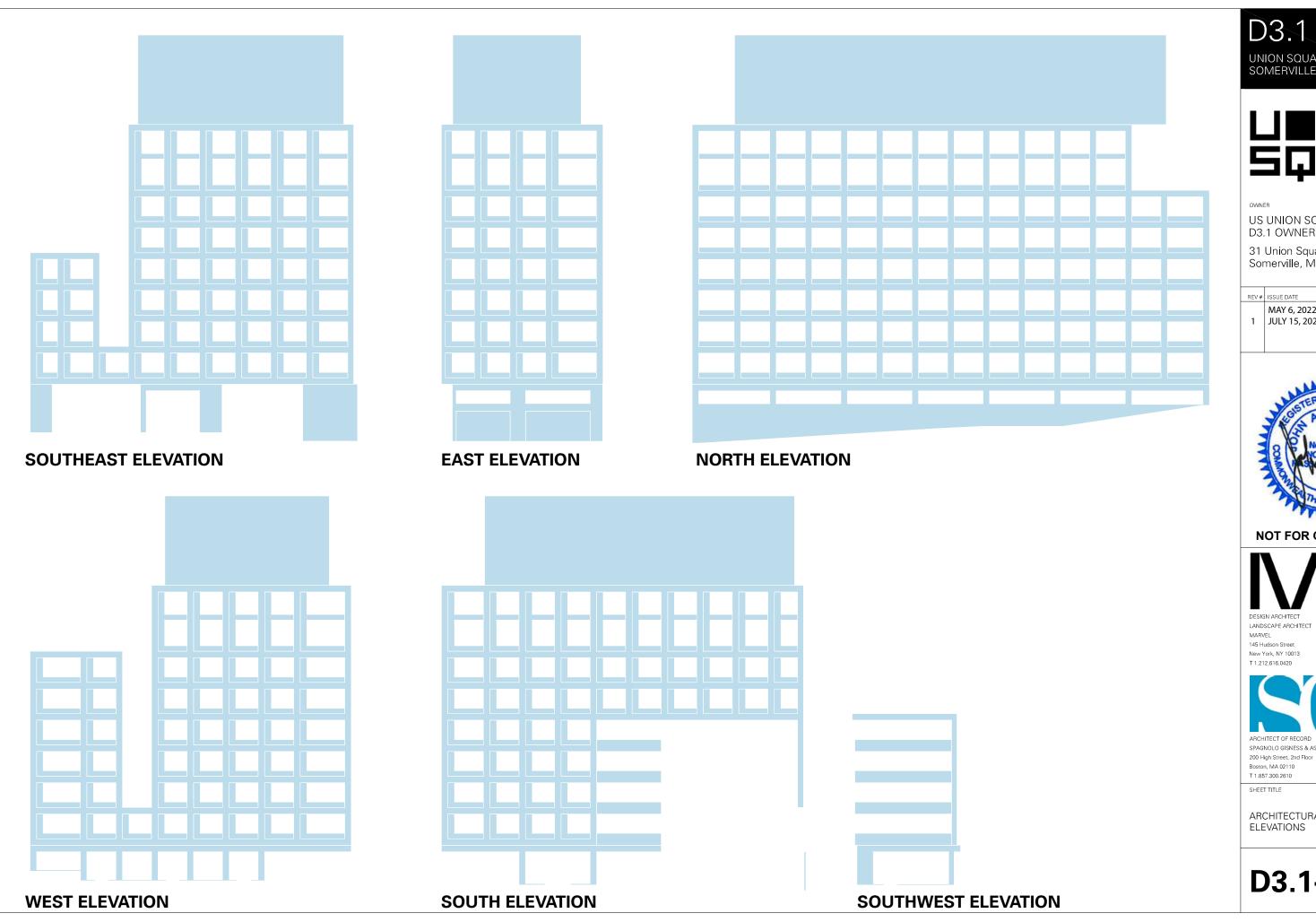
DESIGN ARCHITECT LANDSCAPE ARCHITECT MARVEL 145 Hudson Street New York, NY 10013 T 1.212.616.0420



SPAGNOLO GISNESS & ASSOCIATES, INC. 200 High Street, 2nd Floor Boston, MA 02110 T 1.857.300.2610

SHEET TITLE

BUILDING SIGNAGE DETAILS





US UNION SQUARE D3.1 OWNER LLC

31 Union Square Somerville, MA. 02143

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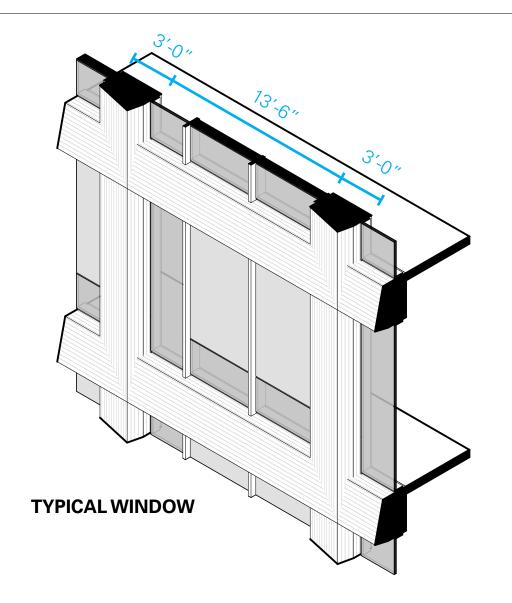


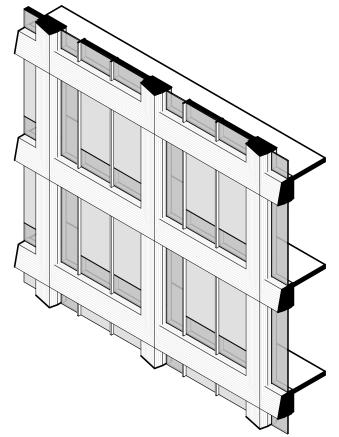
145 Hudson Street New York, NY 10013



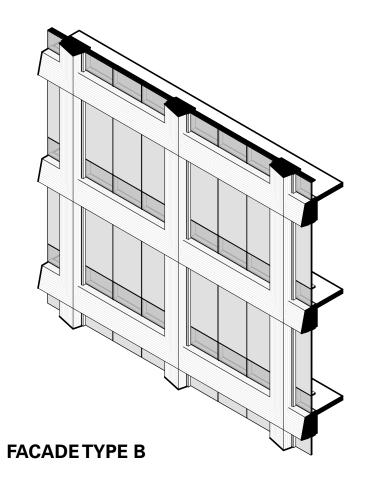
SPAGNOLO GISNESS & ASSOCIATES, INC. 200 High Street, 2nd Floor Boston, MA 02110 T 1.857.300.2610

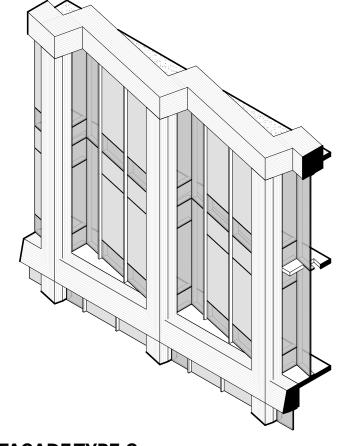
ARCHITECTURAL SILHOUETTE ELEVATIONS

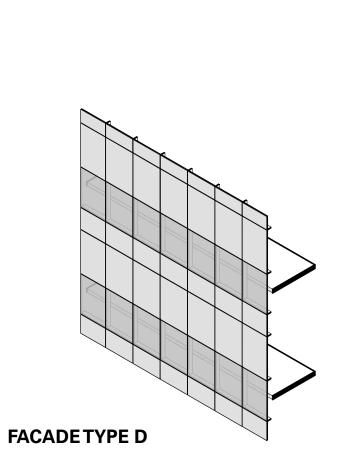
















OWN

US UNION SQUARE D3.1 OWNER LLC

31 Union Square Somerville, MA. 02143

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LANDSCAPE ARCHITI MARVEL

145 Hudson Street New York, NY 10013 T 1.212.616.0420

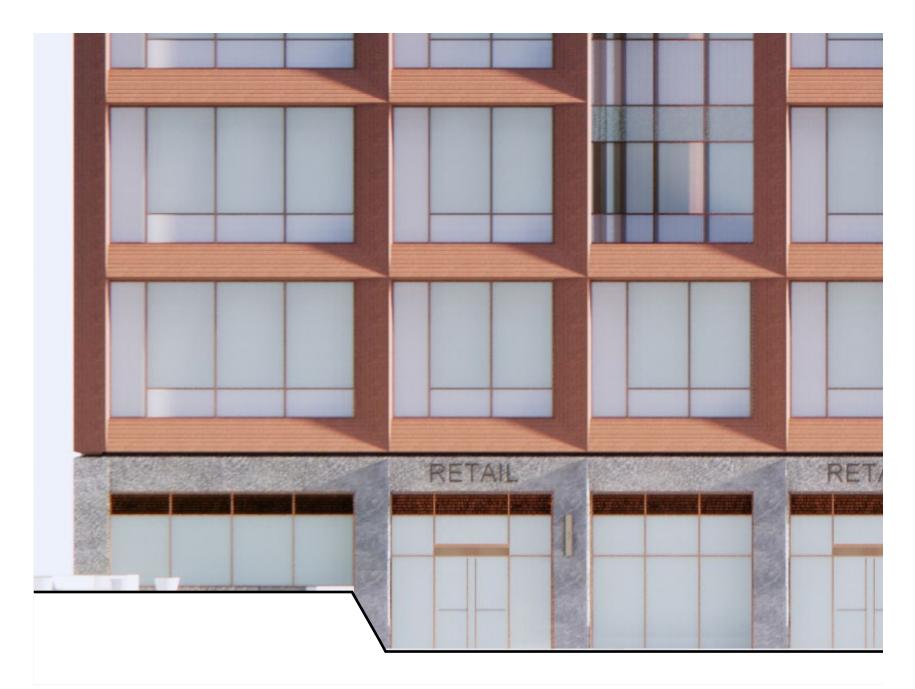


SPAGNOLO GISNESS & ASSOCIATES, INC. 200 High Street, 2nd Floor

Boston, MA 02110 T 1.857.300.2610

SHEET TITLE

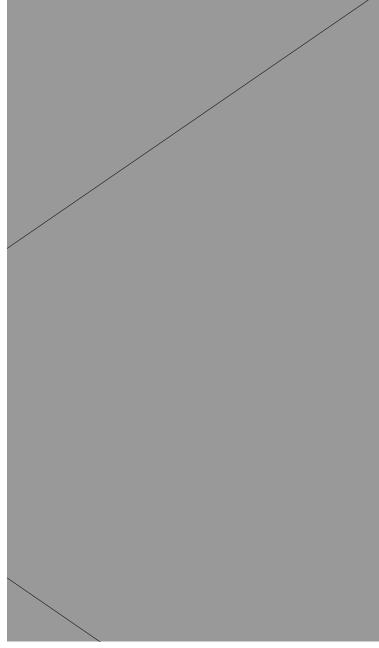
FACADE TYPES | ARTICULATION AXON







PARTIAL PLAN



PARTIAL SECTION





OWN

US UNION SQUARE D3.1 OWNER LLC

31 Union Square Somerville, MA. 02143



NOT FOR CONSTRUCTION



LANDSCAPE ARCHITECT MARVEL 145 Hudson Street

145 Hudson Street New York, NY 100 T 1.212.616.0420



ARCHITECT OF RECORD

SPAGNOLO GISNESS & ASSOCIATES, INC.
200 High Street, 2nd Floor
Boston, MA 02110

Boston, MA 02110 T 1.857.300.2610

SHEET TITLE

ENLARGED ELEVATION WALL SECTION AND PLAN



PARTIAL ELEVATION

PARTIAL PLAN

UNION SQUARE SOMERVILLE, MA



US UNION SQUARE D3.1 OWNER LLC

31 Union Square Somerville, MA. 02143

REV # ISSUE DATE MAY 6, 2022 DSPR 1 JULY 15, 2022 DSPR REVISED



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LANDSCAPE ARCHITECT



SPAGNOLO GISNESS & ASSOCIATES, INC. 200 High Street, 2nd Floor

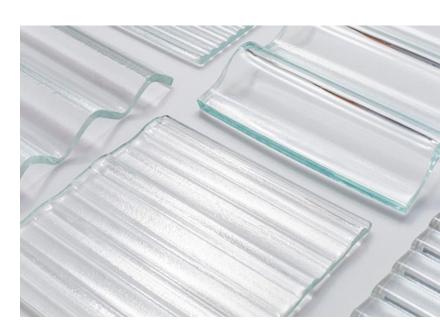
Boston, MA 02110 T 1.857.300.2610

SHEET TITLE

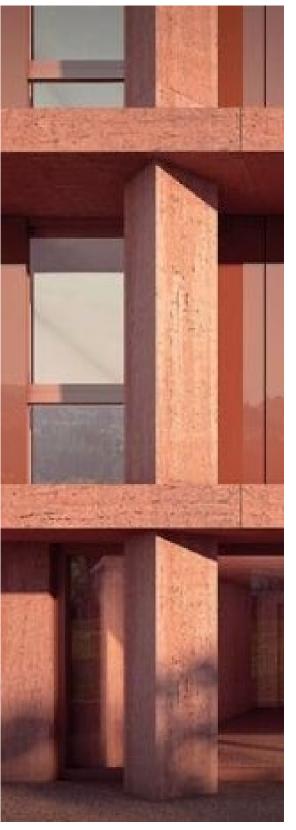
ENLARGED ELEVATION WALL SECTION AND PLAN















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OWNER

US UNION SQUARE D3.1 OWNER LLC

31 Union Square Somerville, MA. 02143



NOT FOR CONSTRUCTION



LANDSCAPE ARCHITECT MARVEL 145 Hudson Street

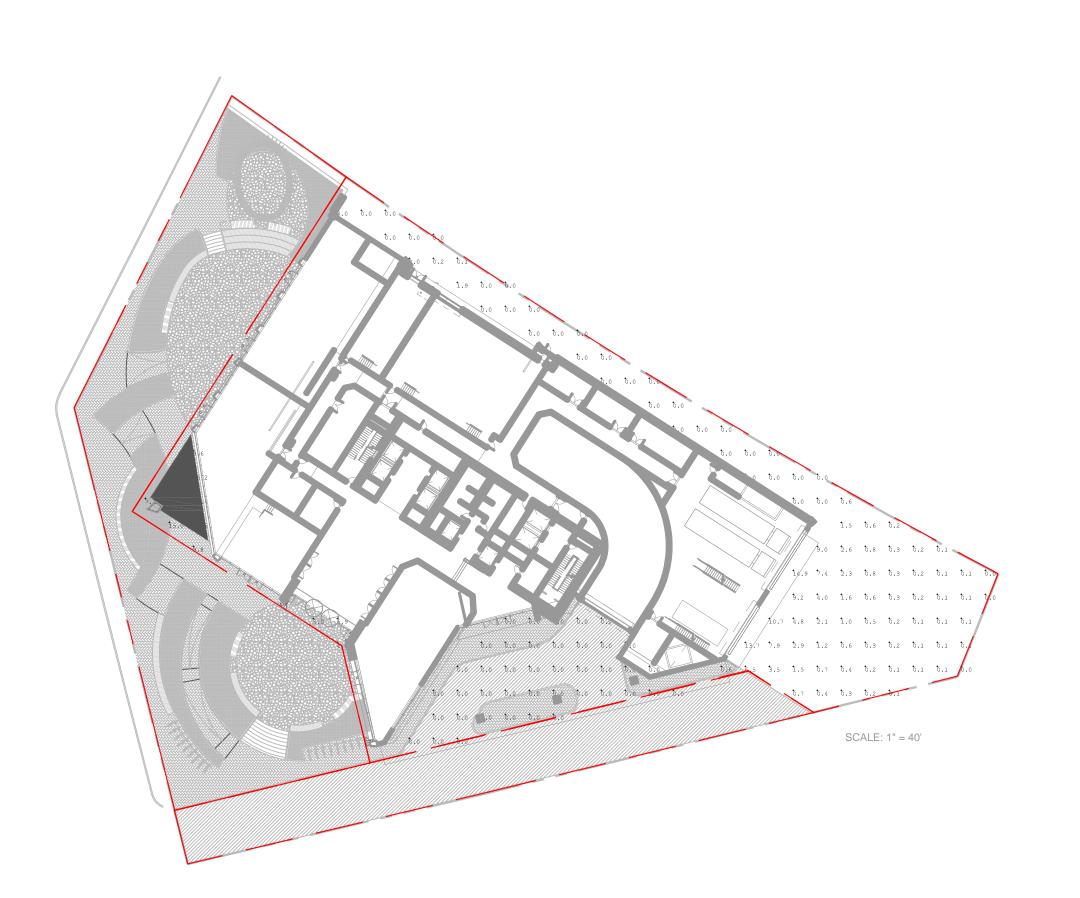
145 Hudson Street New York, NY 10013 T 1.212.616.0420



ARCHITECT OF RECORD
SPAGNOLO GISNESS & ASSOCIATES, INC.
200 High Street, 2nd Floor
Boston, MA 02110
T 1.857.300.2610

SHEET TITLE

MATERIAL PALETTE INSPIRATION





OWNER

US UNION SQUARE D3.1 OWNER LLC

31 Union Square Somerville, MA. 02143

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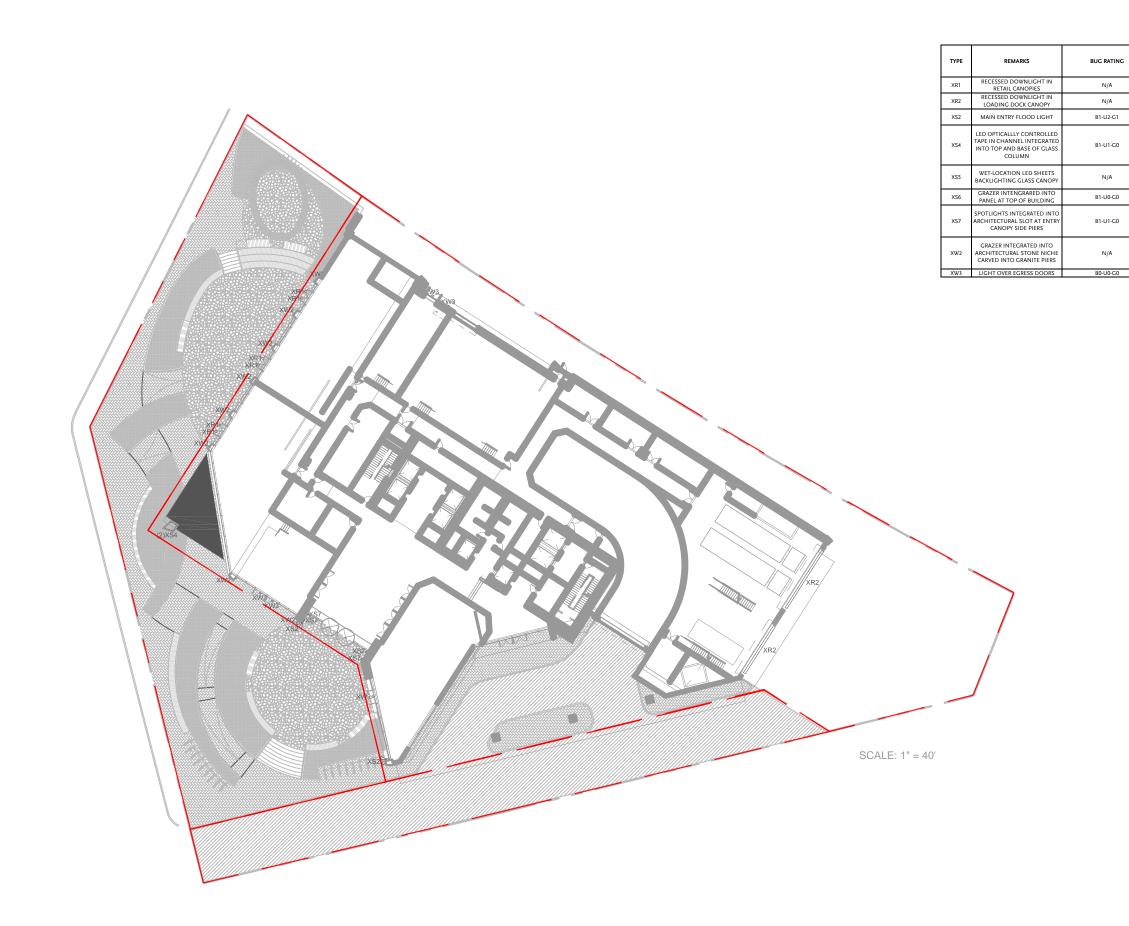
LANDSCAPE ARCHITECT MARVEL 145 Hudson Street New York, NY 10013 T 1.212.616.0420



ARCHITECT OF RECORD SPAGNOLO GISNESS & ASSOCIATES, INC. 200 High Street, 2nd Floor Boston, MA 02110 T 1.857.300.2610

SHEET TITLE

SITE LIGHTING | PHOTOMETRIC PLAN





US UNION SQUARE D3.1 OWNER LLC

31 Union Square Somerville, MA. 02143

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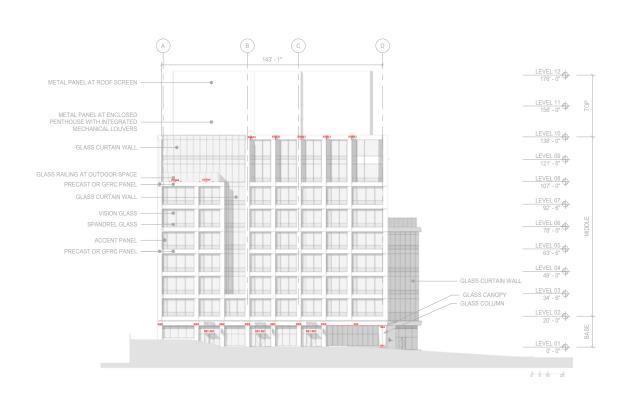
LANDSCAPE ARCHITECT 145 Hudson Street New York, NY 10013

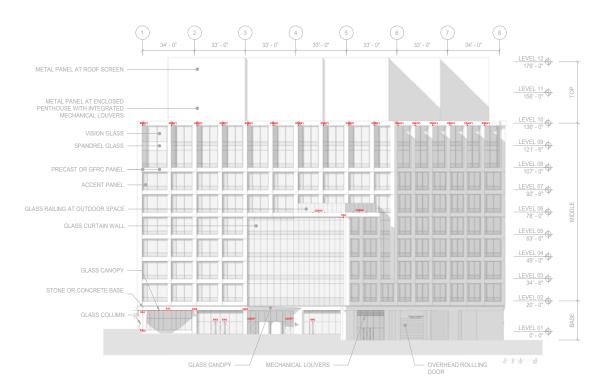


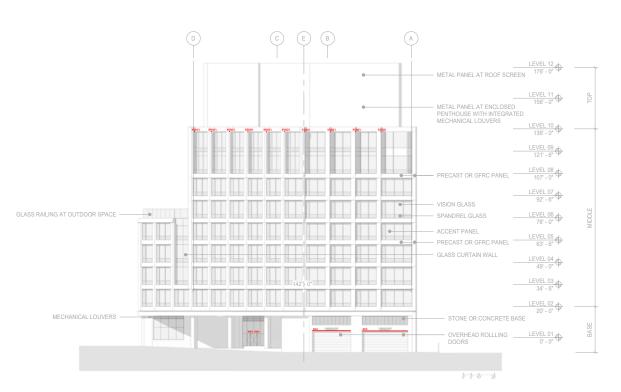
ARCHITECT OF RECORD SPAGNOLO GISNESS & ASSOCIATES, INC. 200 High Street, 2nd Floor Boston, MA 02110 T 1.857.300.2610

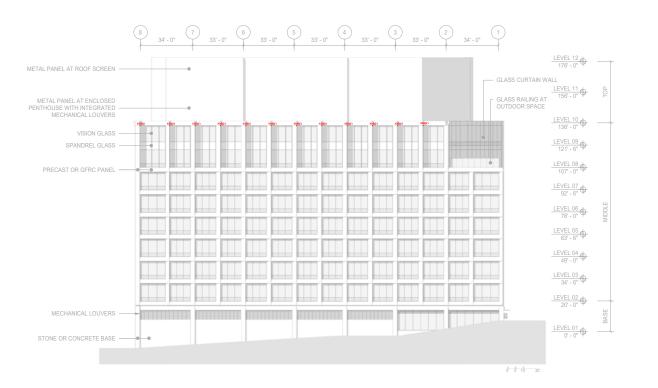
SHEET TITLE

SITE LIGHTING | FIXTURE PLAN











OWNER

US UNION SQUARE D3.1 OWNER LLC

31 Union Square Somerville, MA. 02143

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DESIGN ARCHITECT
LANDSCAPE ARCHITECT

MARVEL 145 Hudson Street New York, NY 10013 T 1.212.616.0420



ARCHITECT OF RECORD SPAGNOLO GISNESS & ASSOCIATES, INC. 200 High Street, 2nd Floor Boston, MA 02110 T 1.857.300.2610

SHEET TITLE

SITE LIGHTING | BUILDING ELEVATIONS

WEBSTER AVENUE **LEGEND ENTRANCE** PROPERTY LINE LOT LINES 0' 10' 1" = 40' BST **BUILDING OVERHANG**

VENUE WIDE) D3.1

UNION SQUARE SOMERVILLE, MA



OWNE

US UNION SQUARE D3.1 OWNER LLC

31 Union Square Somerville, MA. 02143

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LANDSCAPE ARCHIT MARVEL 145 Hudson Strest

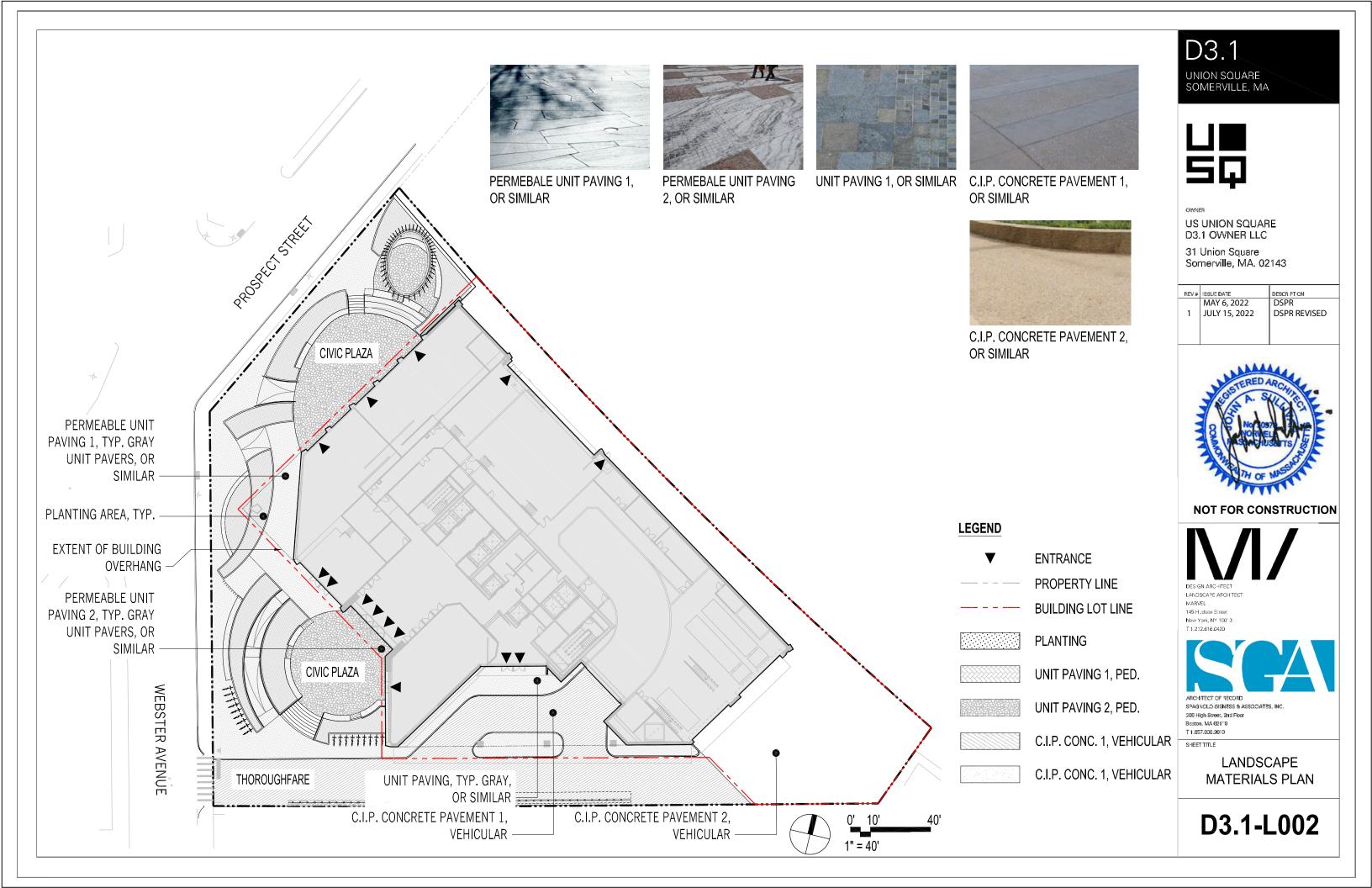
145 Hudson Street New York, NY 10013 T 1.212.616.0420

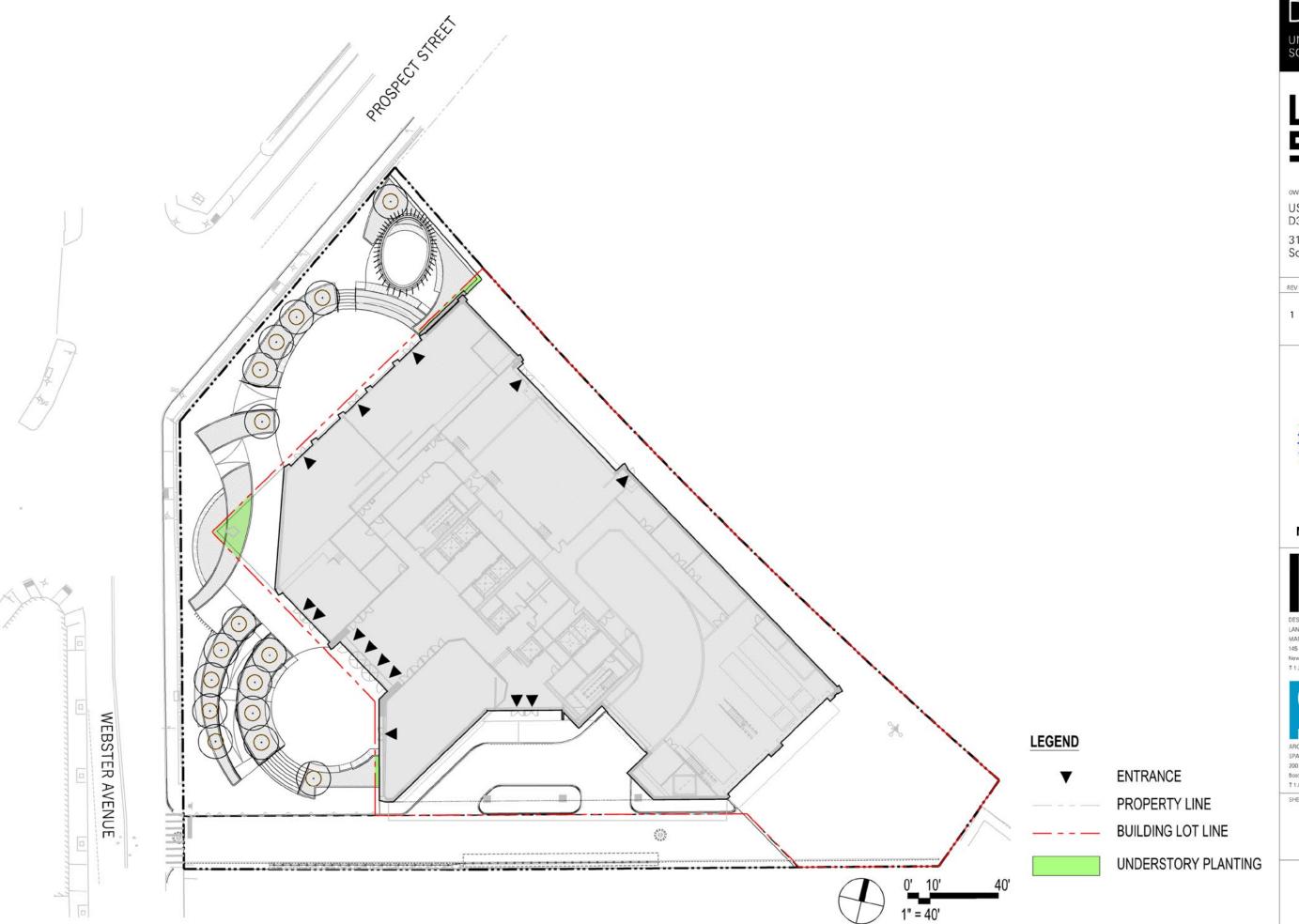


ARCHITECT OF RECORD
SPAGNOLO GISNESS & ASSOCIATES, INC.
300 High Street, 2nd Floor
Boston, MA 02110
T 1.857.300.2610

SHEET TITLE

PROPOSED SITE PLAN







US UNION SQUARE D3.1 OWNER LLC

31 Union Square Somerville, MA. 02143

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ARCHITECT OF RECORD
SPAGNOLO GISNESS & ASSOCIATES, INC. 200 High Street, 2nd Floor Boston, MA 02110 T 1.857.300.2610

SHEET TITLE

PLANTING AREA

OR SIMILAR



Asclepias verticillata, Whorled Milkweed



Symphiotrichum ericoides, White Heath Aster



Carex laxiculmis, Creeping Sedge



Scutellaria ovata, Heartleaf Skullcap



Anemone canadensis, Canadian Anemone



Panicum virgatum, Switchgrass



Phlox subulata, Creeping Phlox



Pycnanthemum tenuifolium, Narrowleaf Mountain Mint



Muhlenbergia calipparis, Muhly Grass

D3.1

UNION SQUARE SOMERVILLE, MA



OWNE

US UNION SQUARE D3.1 OWNER LLC

31 Union Square Somerville, MA. 02143

REV # ISSUE DATE DESCRIPTION 5/6/2022



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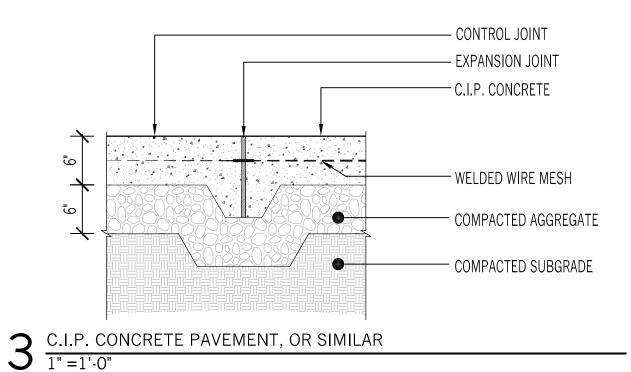


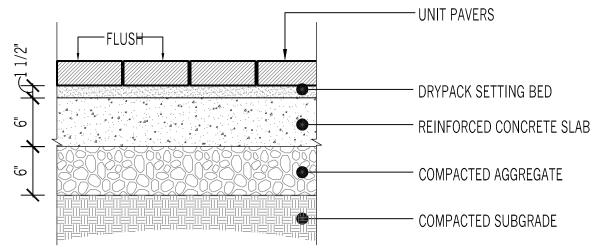


ARCHITECT OF RECORD
SPAGNOLO GISNESS & ASSOCIATES, INC.
200 High Street, 2nd Floor
Boston, MA 02110
T 1.857.300.2610

SHEET TITLE

PLANTING PALETTE





 $\frac{1}{1}$ UNIT PAVING, OR SIMILAR

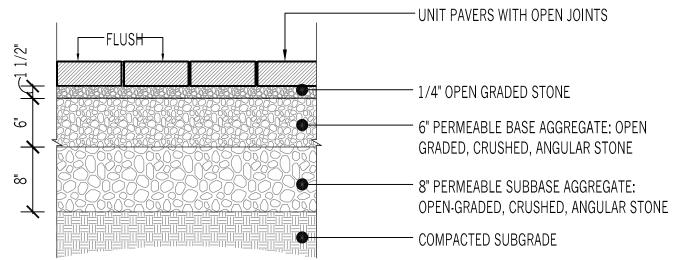
UNIT PAVERS WITH OPEN JOINTS

1/4" OPEN GRADED STONE

COMPACTED AGGREGATE

STRUCTURAL FILL, AS REQUIRED

TOPPING SLAB, BY OTHERS



ON STRUCTURE AT GRADE

PERMEABLE UNIT PAVING, PEDESTRIAN | OR SIMILAR

1" =1'-0"

D3.1

UNION SQUARE SOMERVILLE, MA



OWNER

US UNION SQUARE D3.1 OWNER LLC

31 Union Square Somerville, MA. 02143

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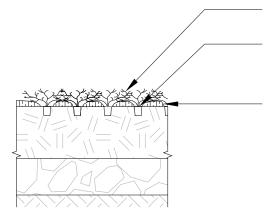
DESIGN ARCHITECT
LANDSCAPE ARCHITECT
MARVEL
145 Hudson Street
New York, NY 10013



ARCHITECT OF RECORD
SPAGNOLO GISNESS & ASSOCIATES, INC.
200 High Sires, 2nd Floor
Boston, MA 02110
T1.857.306.2616

SHEET TO

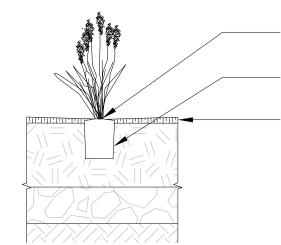
LANDSCAPE DETAILS



SPREAD AND LIFT RUNNERS ABOVE MULCH LAYER REMOVE CONTAINER COMPLETELY, LOOSEN SOIL/ROOTS

GRAVEL MULCH, 2" THK. TYP, SEE SPECS. DO NOT PLACE AGAINST BASE OF PLANT.

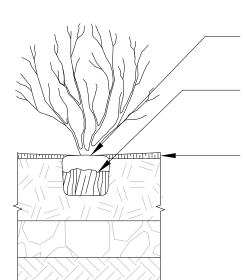
 $\frac{3}{3/8"} = 1' - 0"$ GROUNDCOVER PLANTING



REMOVE EXCESS SOIL TO EXPOSE STEM FLARE. SET CROWN OF ROOTBALL 1/2"-1" ABOVE PLANTING SOIL REMOVE CONTAINER COMPLETELY, LOOSEN SOIL/ROOTS

GRAVEL MULCH, 2" THK. TYP, SEE SPECS. DO NOT PLACE AGAINST BASE OF PLANT.

PERENNIAL PLANTING $\sqrt{3/8"} = 1' \cdot 0"$



REMOVE EXCESS SOIL TO EXPOSE STEM FLARE. SET CROWN OF ROOTBALL 1/2"-1" ABOVE FINISH GRADE

REMOVE BURLAP FROM TOP 1/3 OF ROOTBALL. REMOVE ROPE AND BASKETS COMPLETELY.

SHREDDED HARDWOOD MULCH, MIN. 2" THICK LAYER. TAPERED AT TRUNKS/STEMS. DO NOT PLACE AGAINST BASE OF PLANT.

D3.1 UNION SQUARE SOMERVILLE, MA



US UNION SQUARE D3.1 OWNER LLC

31 Union Square Somerville, MA. 02143

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ARCHITECT OF RECORD SPAGNOLO GISNESS & ASSOCIATES, INC. 200 High Street, 2nd Floor Boston, MA 02110 T 1.857.300.2610

SHEET TITLE

LANDSCAPE **DETAILS**

D3.1-L006

SHRUB PLANTING Δ 3/8" = 1'-0"