

TAJ BOSTON

15 ARLINGTON STREET, BOSTON, MA 02116

BBAC FORMAL SUBMISSION

FEBRUARY 20, 2019
UPDATED: MARCH 6, 2019

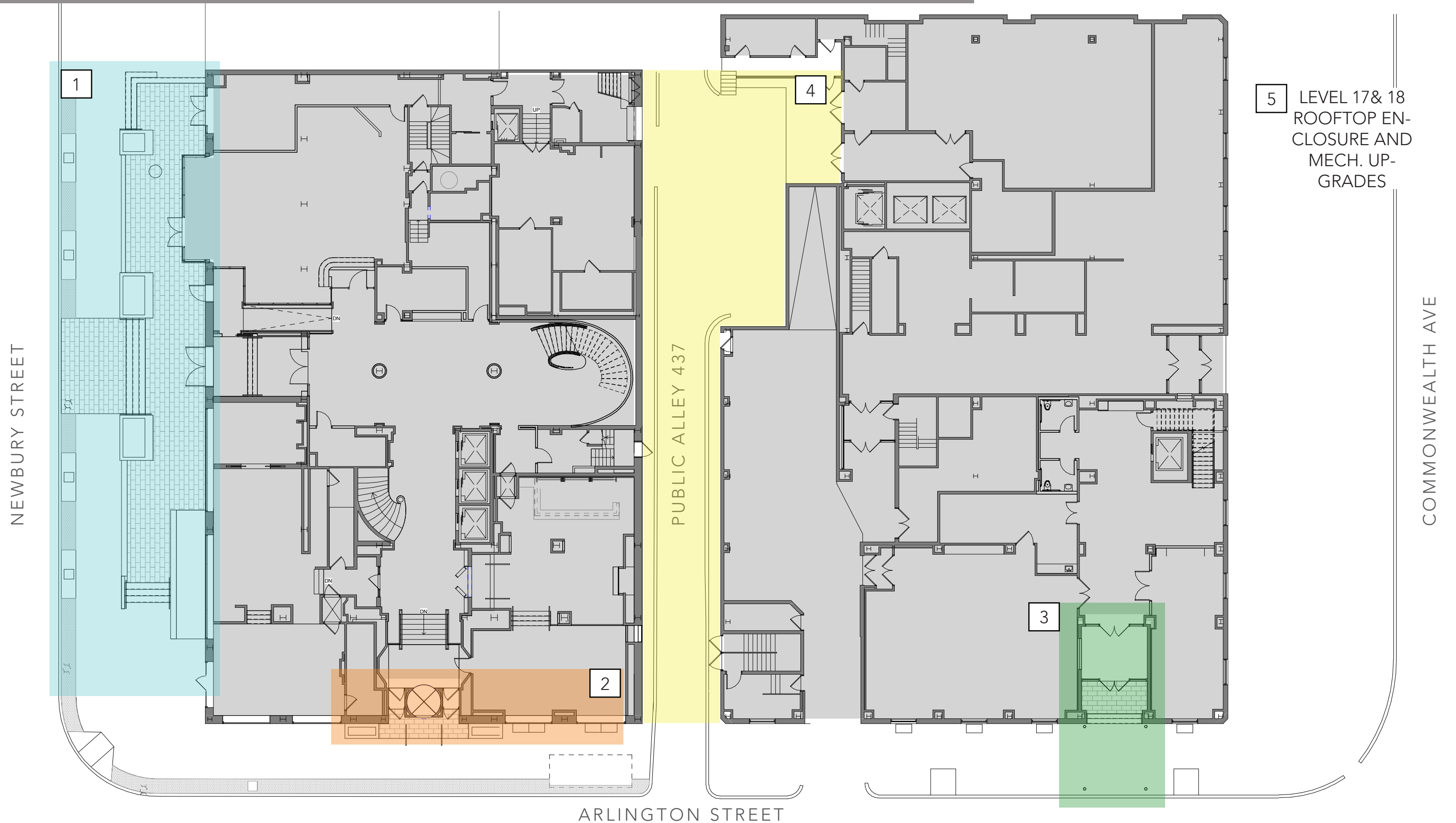


TAJ BOSTON

OVERALL PLAN



OVERALL PLAN



5 LEVEL 17 & 18 ROOFTOP ENCLOSURE AND MECH. UP-GRADERS

EXISTING CONDITIONS



EXISTING CONDITIONS



EXISTING CONDITIONS

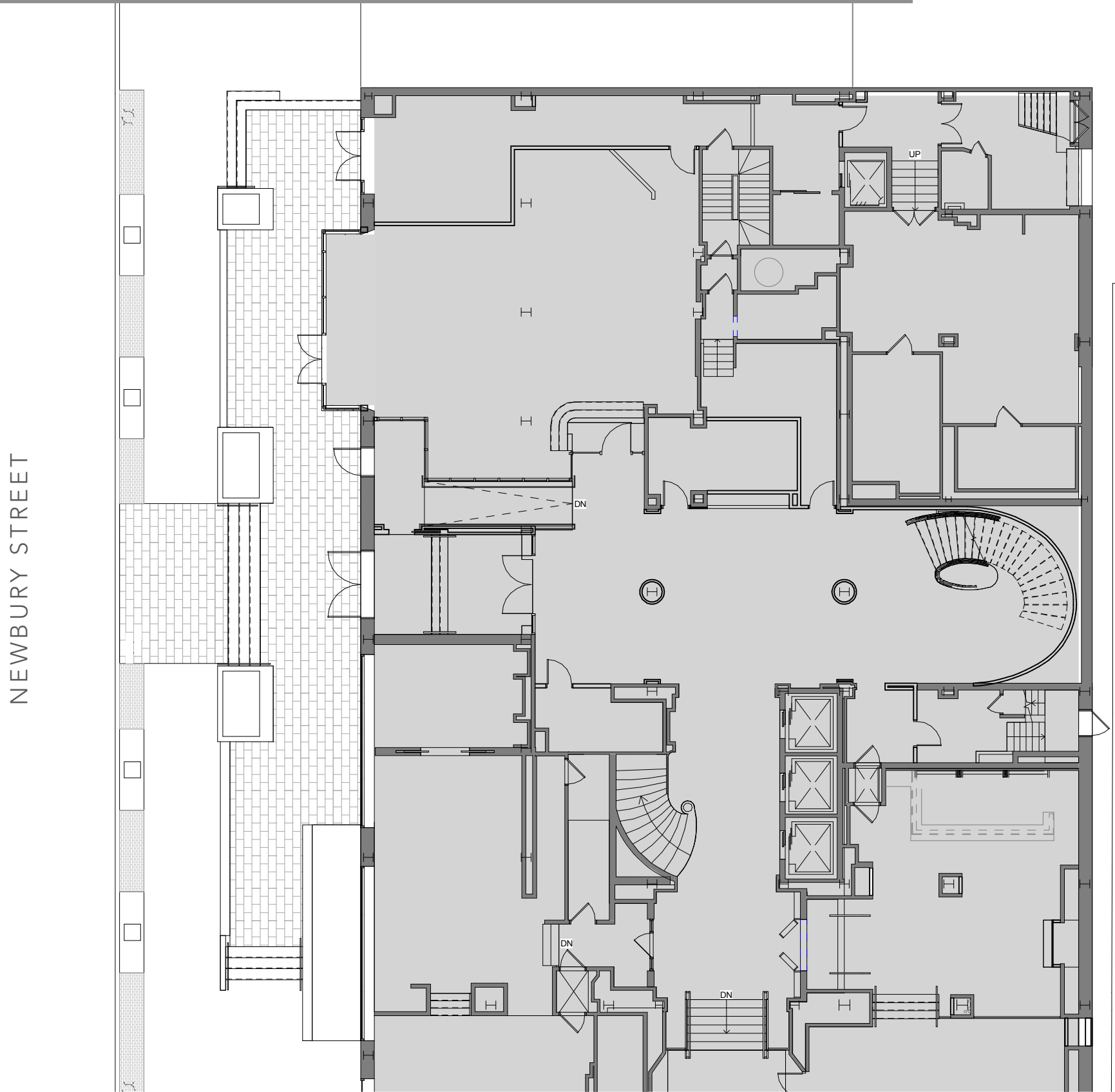


TAJ BOSTON

1. NEWBURY ENTRY (NEWBURY BLDG)



CURRENT DESIGN - NEWBURY ENTRY PLAZA PLAN



NEWBURY STREET IMPROVEMENTS

- REMOVE EXISTING TAJ SIGNAGE VALANCE
- PAINT AND CLEAN MARQUEE
- NEW METAL CEILING, LIGHTING & HEAT LAMPS BELOW MARQUEE
- CLEAN AND REPAINT CHAIN ABOVE



REMOVE EXISTING SIGNAGE
CLEAN / RESTORE STONE
UNDERNEATH

REMOVE EXISTING REVOLVER,
REPLACE WITH AUTOMATIC
DOUBLE DOORS

EXISTING STONE
SURROUND TO REMAIN

REPLACE SLOPED SIDEWALK WITH
RAISED PLAZA WITH ADA RAMP
AND NEW PAVING



NEWBURY STREET IMPROVEMENTS



REMOVE EXISTING WALL MOUNTED MENU

REPLACE DOOR & TRANSOM W/ NEW ENTRY DOOR

NEW SIDEWALK TO INCLUDE 3'-0" PERMEABLE PAVING STRIP AND 9'-0" SIDEWALK

REPLACE SLOPED SIDEWALK WITH RAISED PLAZA WITH ADA RAMP

EXISTING CURVED EXTERIOR TO BE REMOVE & REPLACED WITH NEW SQUARE STOREFRONT

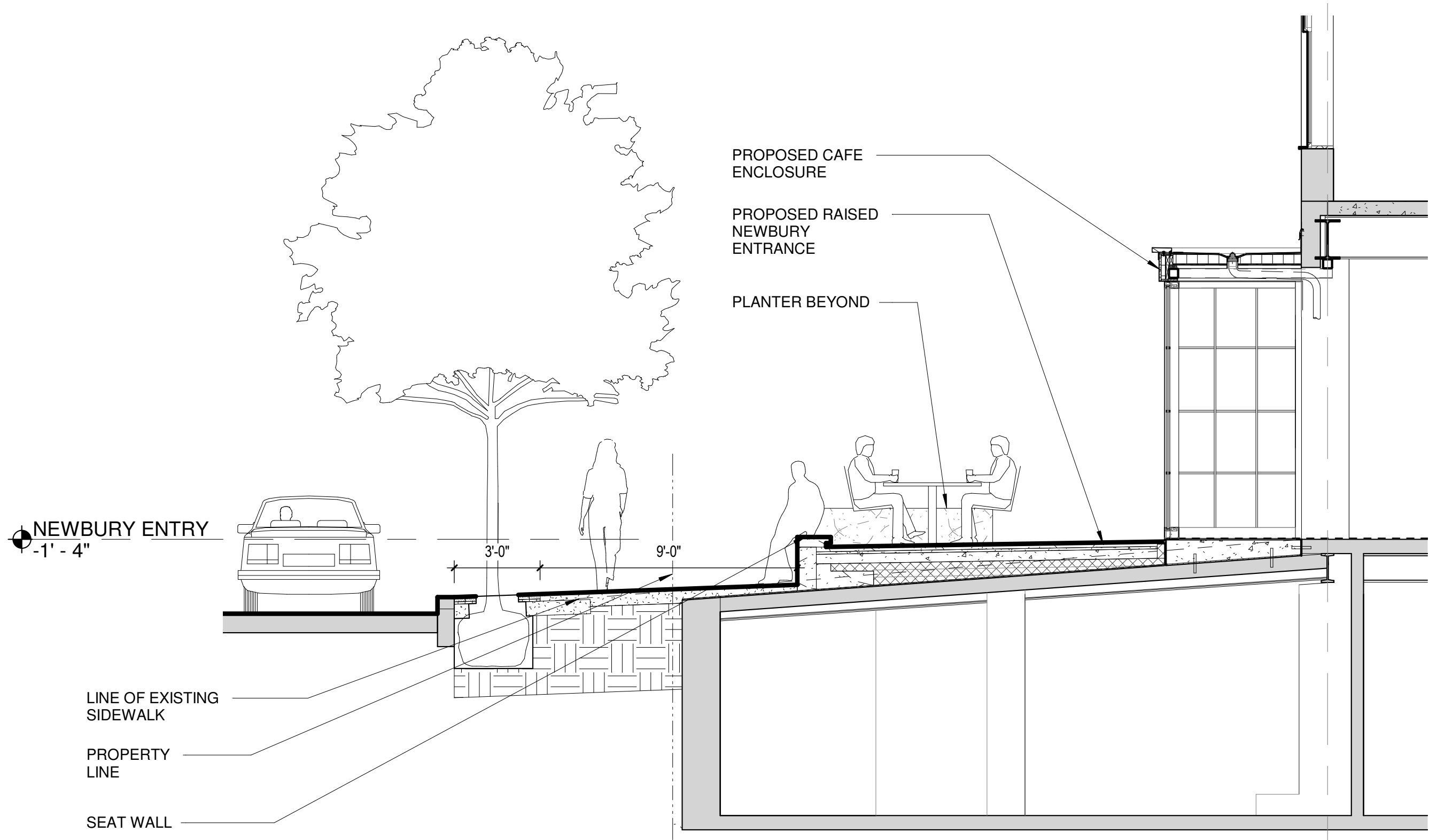
REMOVE EXISTING BUILDING SIGNAGE. CLEAN / RESTORE STONE



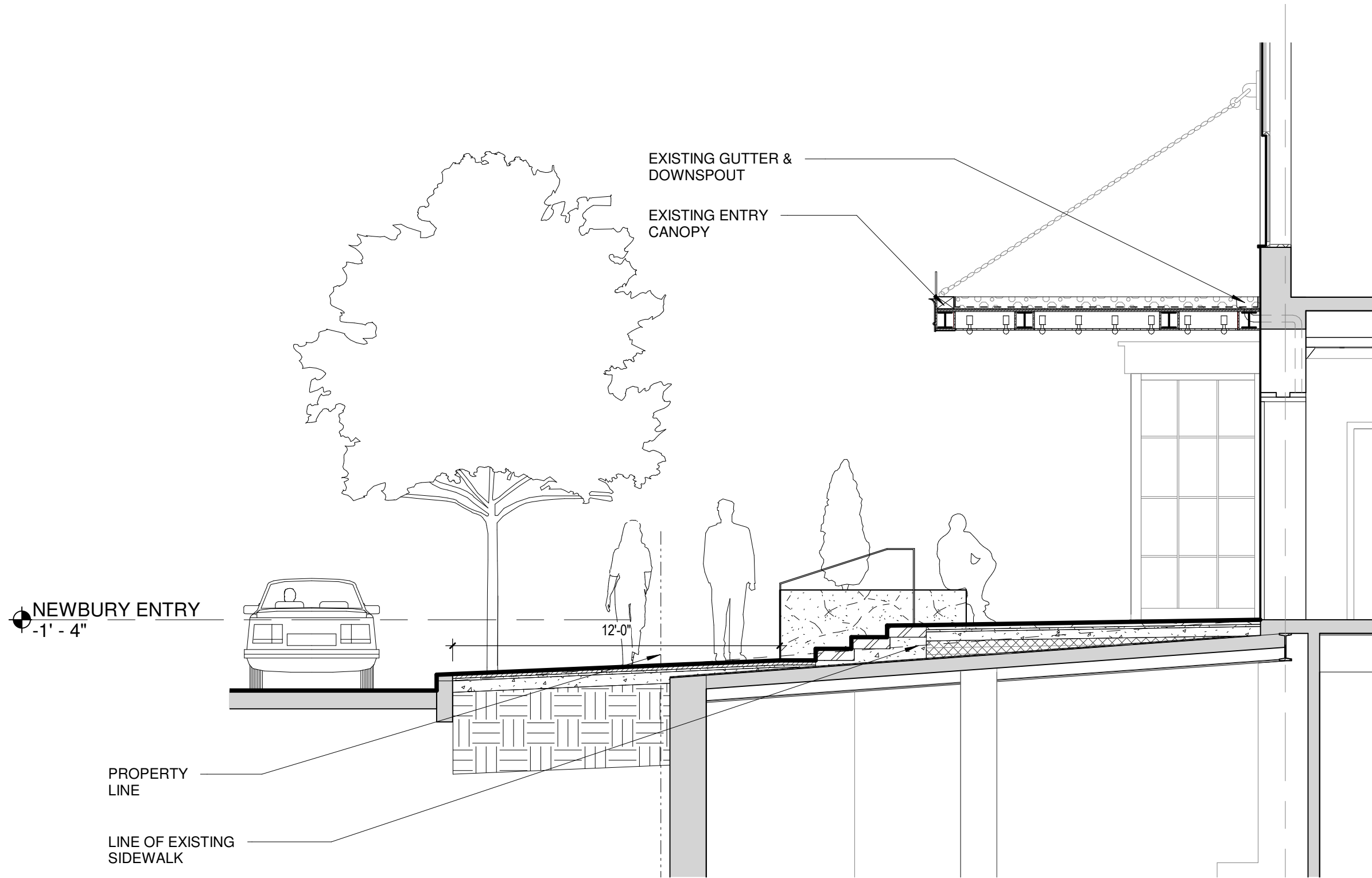
RENDERED NEWBURY ELEVATION



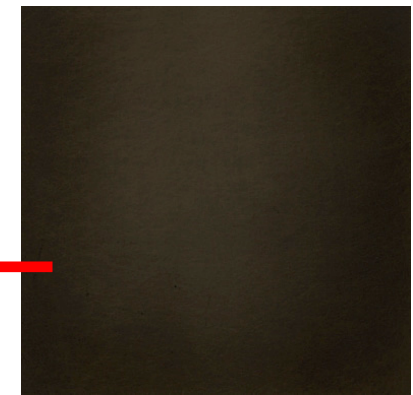
PROPOSED PLAZA SECTION AT RETAIL



PROPOSED NEWBURY ENTRY SECTION



PROPOSED PRODUCT CUTS AND IMAGES

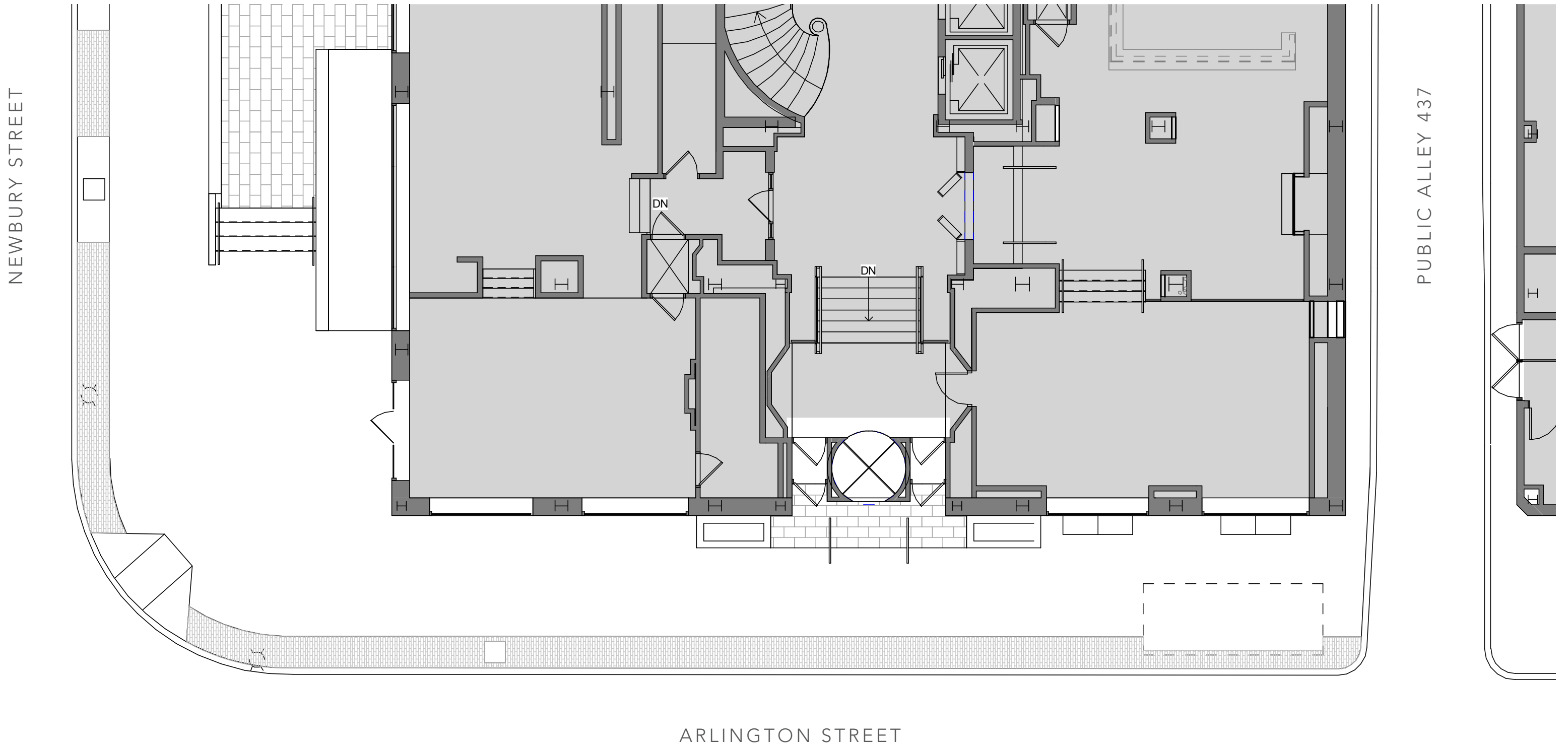


TAJ BOSTON

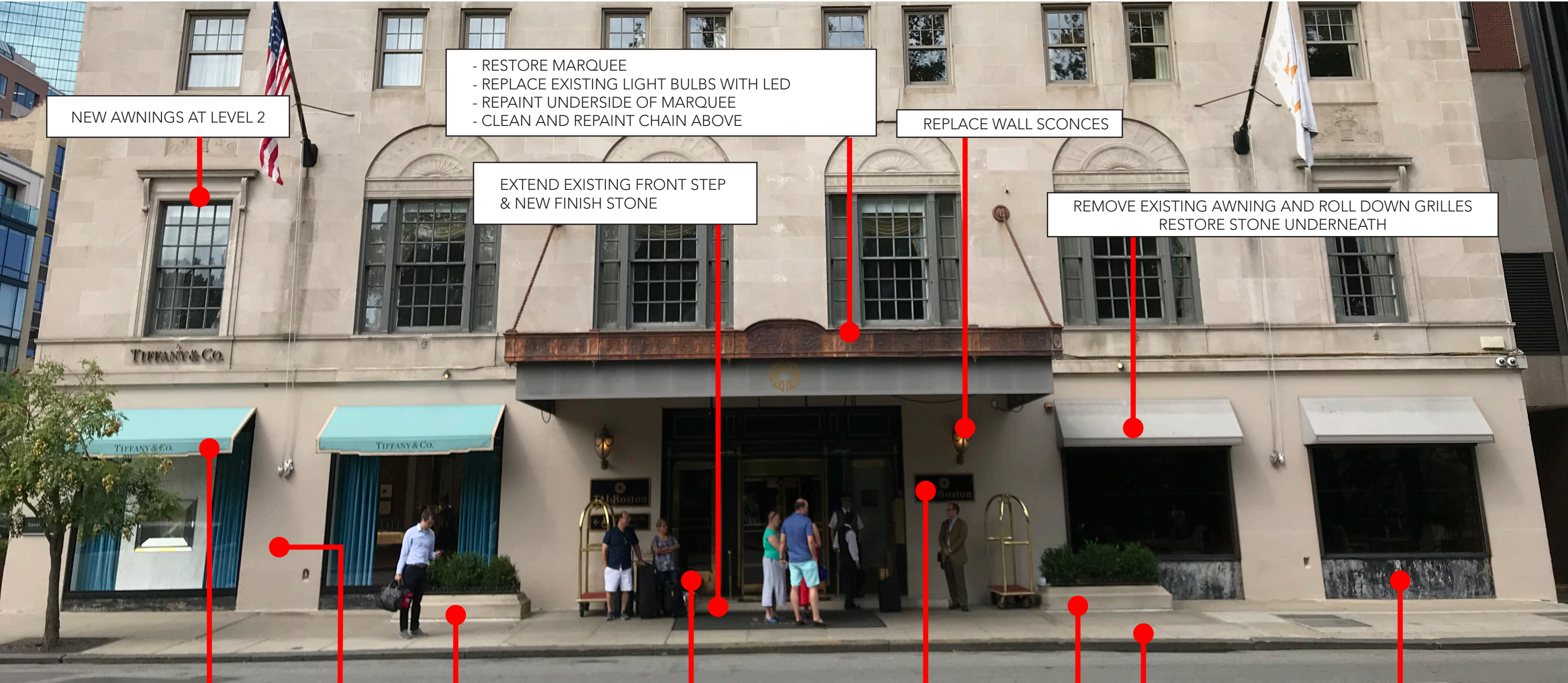
2. ARLINGTON ENTRY (NEWBURY BLDG)



CURRENT DESIGN - ARLINGTON ENTRY



ARLINGTON STREET IMPROVEMENTS



- RESTORE MARQUEE
- REPLACE EXISTING LIGHT BULBS WITH LED
- REPAINT UNDERSIDE OF MARQUEE
- CLEAN AND REPAINT CHAIN ABOVE

NEW AWNINGS AT LEVEL 2

REPLACE WALL SCONCES

EXTEND EXISTING FRONT STEP
& NEW FINISH STONE

REMOVE EXISTING AWNING AND ROLL DOWN GRILLES
RESTORE STONE UNDERNEATH

UPDATE AWNINGS AT TIFFANY'S
TO MATCH PROPOSED
AWNINGS OVER LEVEL 2
WINDOWS

REMOVE EXISTING TAJ SIGNAGE

RESTORE EXISTING STONE BELOW WINDOW
SILL, TYPICAL ARLINGTON STREET

REPAIR & REPAINT EXISTING WALL

RESTORE EXISTING REVOLVING DOORS, REFINISH

REPLACE SIDEWALK

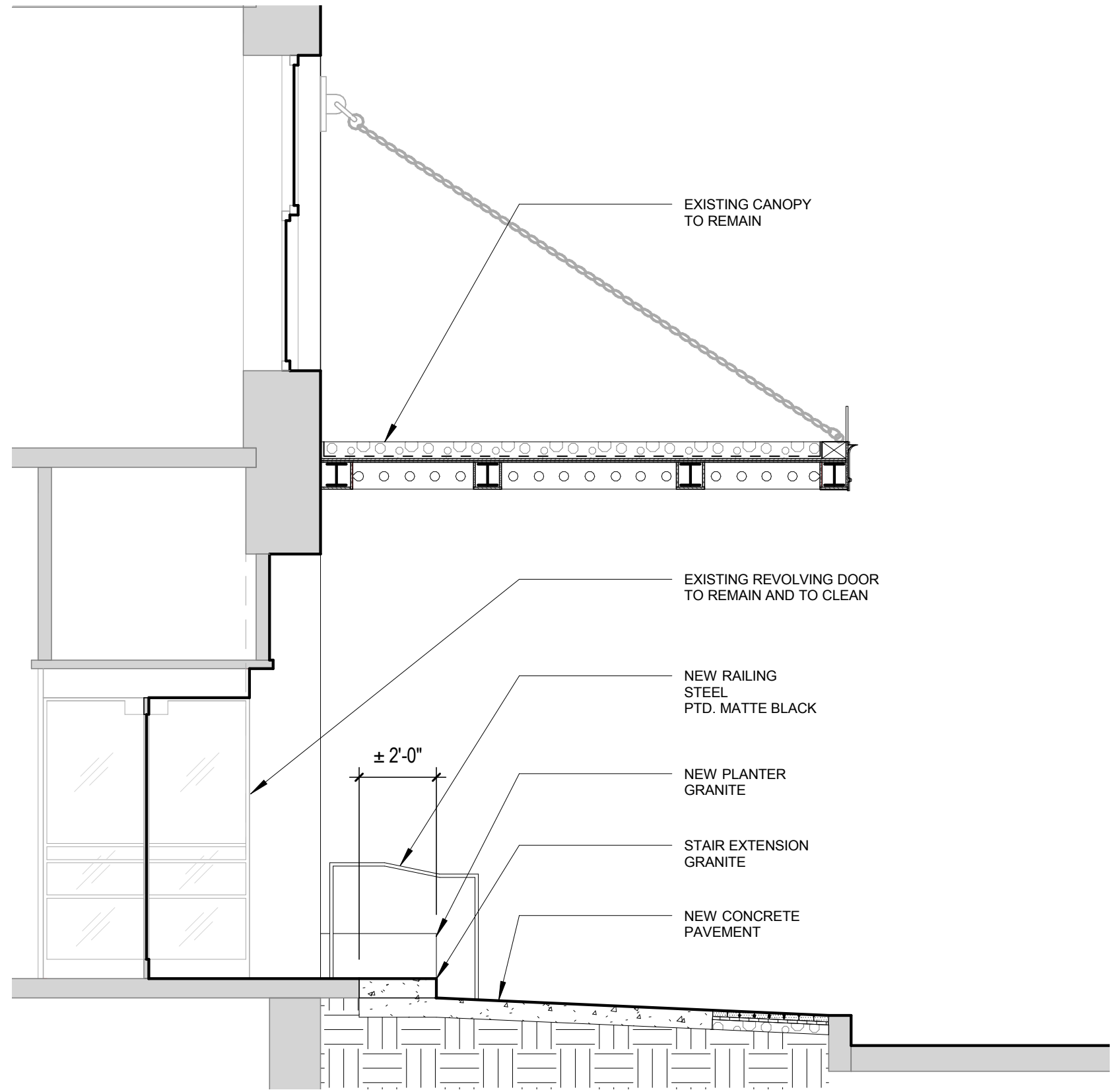
REPLACE EXISTING PRECAST PLANTERS
MOVE CLOSER TO ENTRY



RENDERED ARLINGTON ELEVATION



PROPOSED ARLINGTON ENTRY SECTION

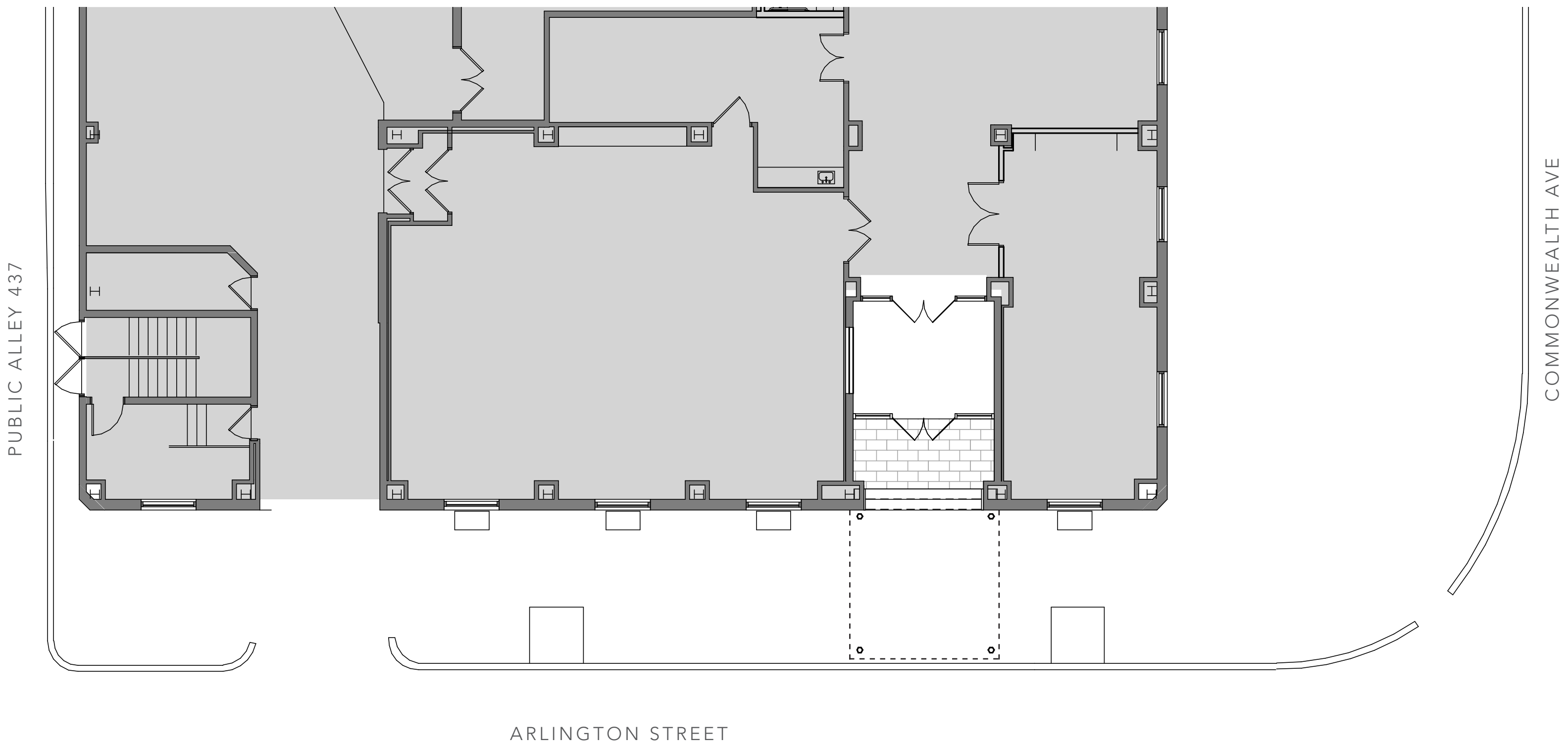


TAJ BOSTON

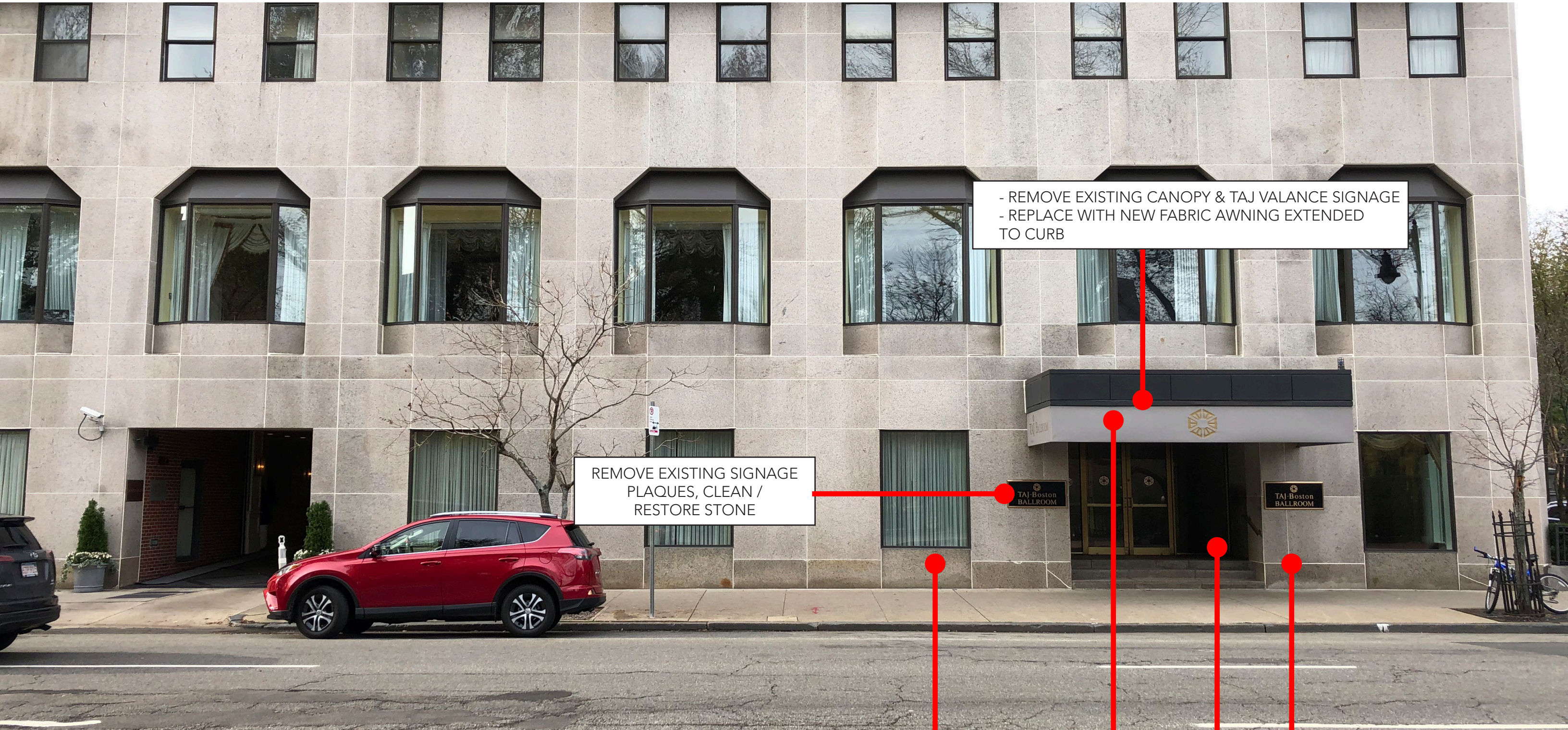
3. ARLINGTON ENTRY (COMMONWEALTH BLDG)



PROPOSED ARLINGTON/COMMONWEALTH ENTRY



ARLINGTON STREET IMPROVEMENTS



- REMOVE EXISTING CANOPY & TAJ VALANCE SIGNAGE
- REPLACE WITH NEW FABRIC AWNING EXTENDED TO CURB

REMOVE EXISTING SIGNAGE PLAQUES, CLEAN / RESTORE STONE

ADD FF&E PLANTERS BELOW WINDOWS

ADD NEW PLANTERS ON EITHER SIDE OF ENTRY

EXISTING RECESSED ENTRY CEILING TO BE PAINTED W/ NEW RECESSED LIGHTING

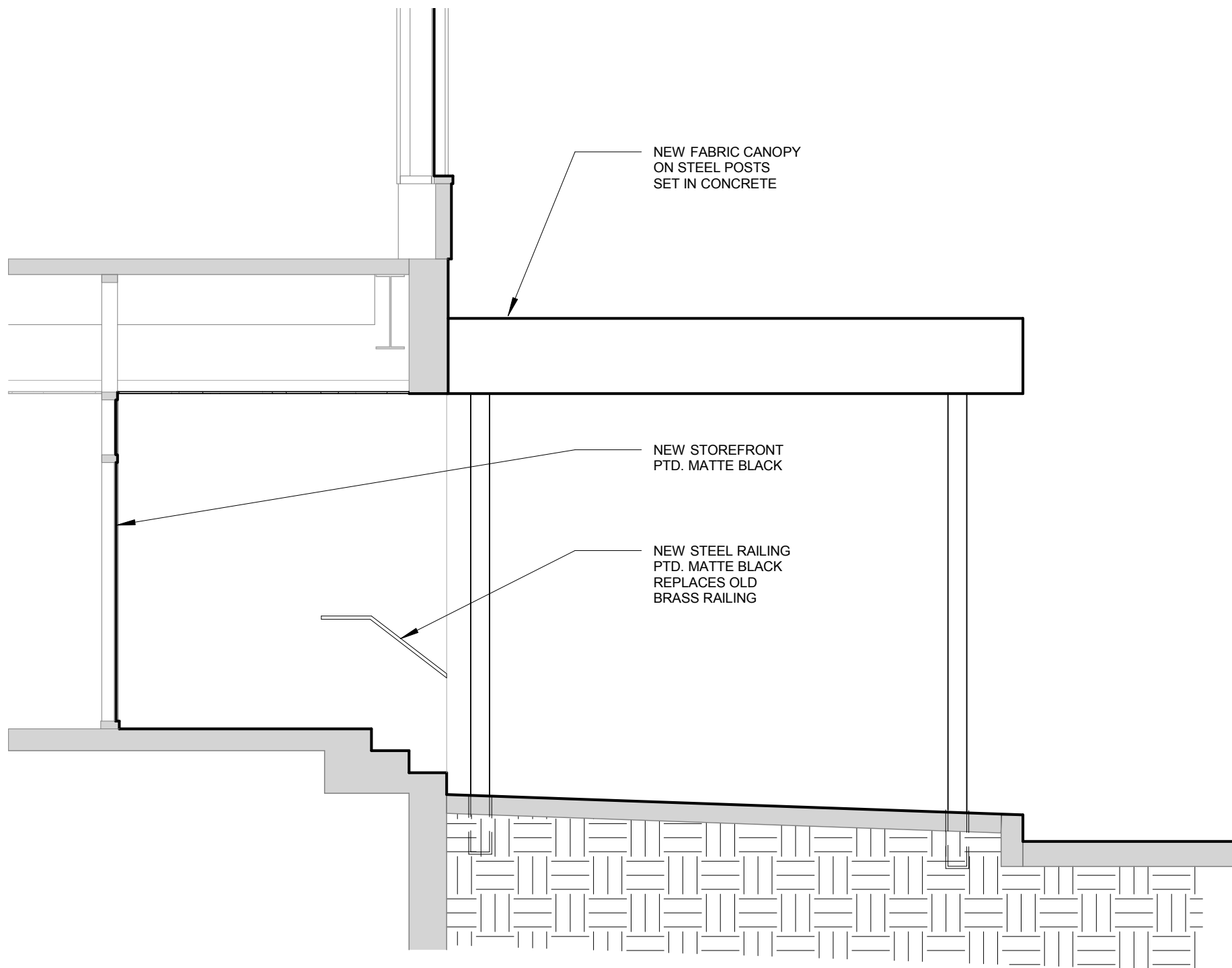
REPLACE EXISTING STOREFRONT



RENDERED ARLINGTON/COMMONWEALTH ELEVATION



COMMONWEALTH ENTRY SECTION



REFERENCE IMAGE FOR ARLINGTON STREET CANOPY



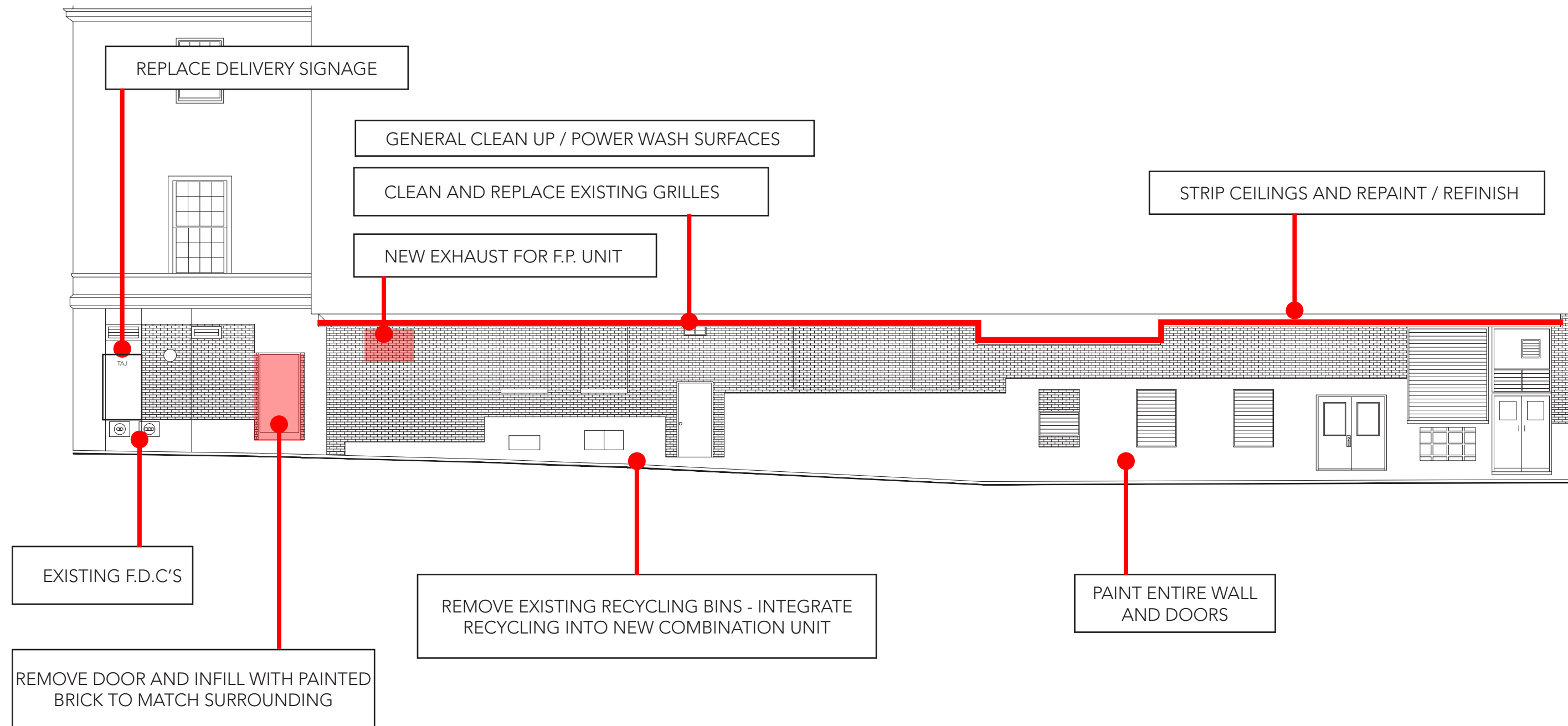
TAJ BOSTON

4. PUBLIC ALLEY 437 (BETWEEN NEWBURY AND COMMONWEALTH)



ALLEY IMPROVEMENTS

EXISTING ALLEY ELEVATION



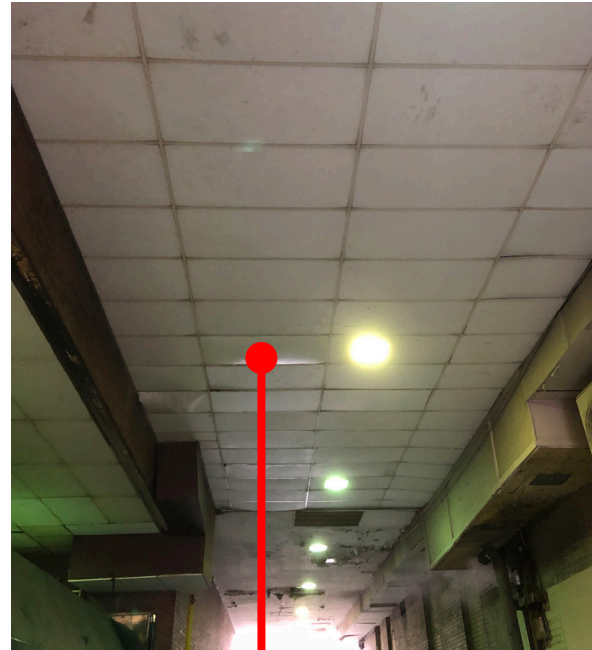
ALLEY IMPROVEMENTS



DUMPSTERS TO BE REMOVED

PAINT TAJ FACADE

REPLACE DRYWALL CEILING, REPLACE LIGHT FIXTURES AND ADD ADDITIONAL LIGHTS



REPLACE ACT CEILING, REPLACE FIXTURES AND ADD ADDITIONAL LIGHTS



EXISTING DUMPSTER TO BE UPGRADED WITH COMBINATION TRASH/RECYCLING UNIT



REMOVE INDIVIDUAL DUMPSTERS FROM ALLEY



REPLACE ACT CEILING AND LIGHTING FIXTURES. INCREASE LIGHTING QUALITY THROUGHOUT ALLEY

ENCLOSE AREA BELOW LOADING DOCK FOR PROPER STORAGE



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RENDERINGS



PROPOSED NEWBURY STREET ENTRANCE



PROPOSED NEWBURY STREET ENTRANCE



PLANTING PALETTE

TREES IN PLAZA PLANTERS



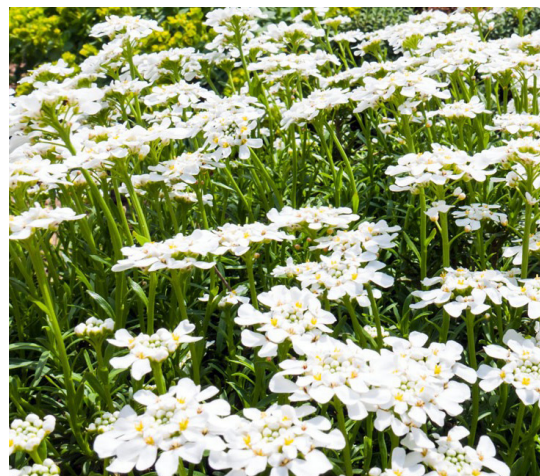
Holly
Ilex meserveae
Height: 5'-6' Spread: 3'-4'
Evergreen, Dark Green Foliage

STREET TREES



Honey Locust
Gleditsia triacanthos
Height: 35' Spread: 30'

GROUNDCOVERS IN PLANTERS



Evergreen Candytuft
Iberis sempervirens
Height: 8"-10" Spread: 12"

Lily turf
Liriope muscari
Height: 12"-18" Spread: 10"-12"



Feather Reed Grass
Calamagrostis x acutiflora
Height: 3'-4" Spread: 1'-2"

SHRUBS IN FF&E PLANTERS



Dwarf English Boxwood
Buxus sempervirens 'Suffruticosa'
Height: 2' Spread: 24"

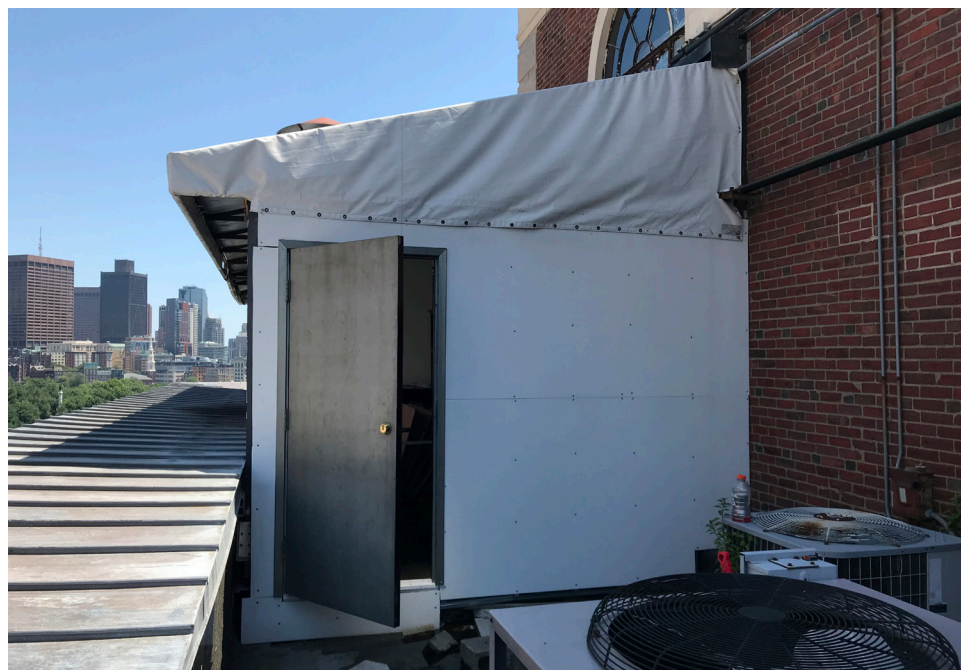


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5. ROOFTOP

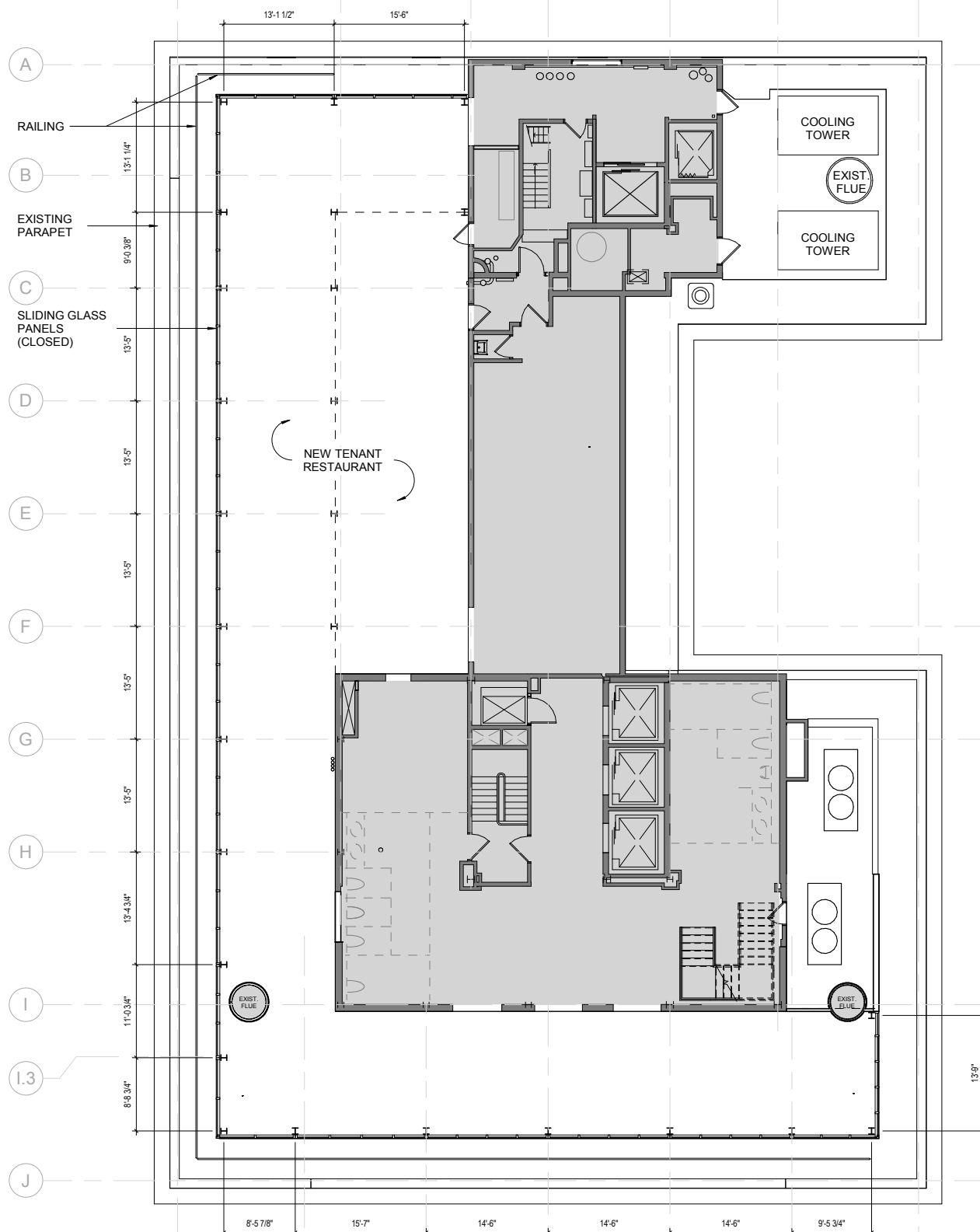


EXISTING CONDITIONS - ROOFTOP

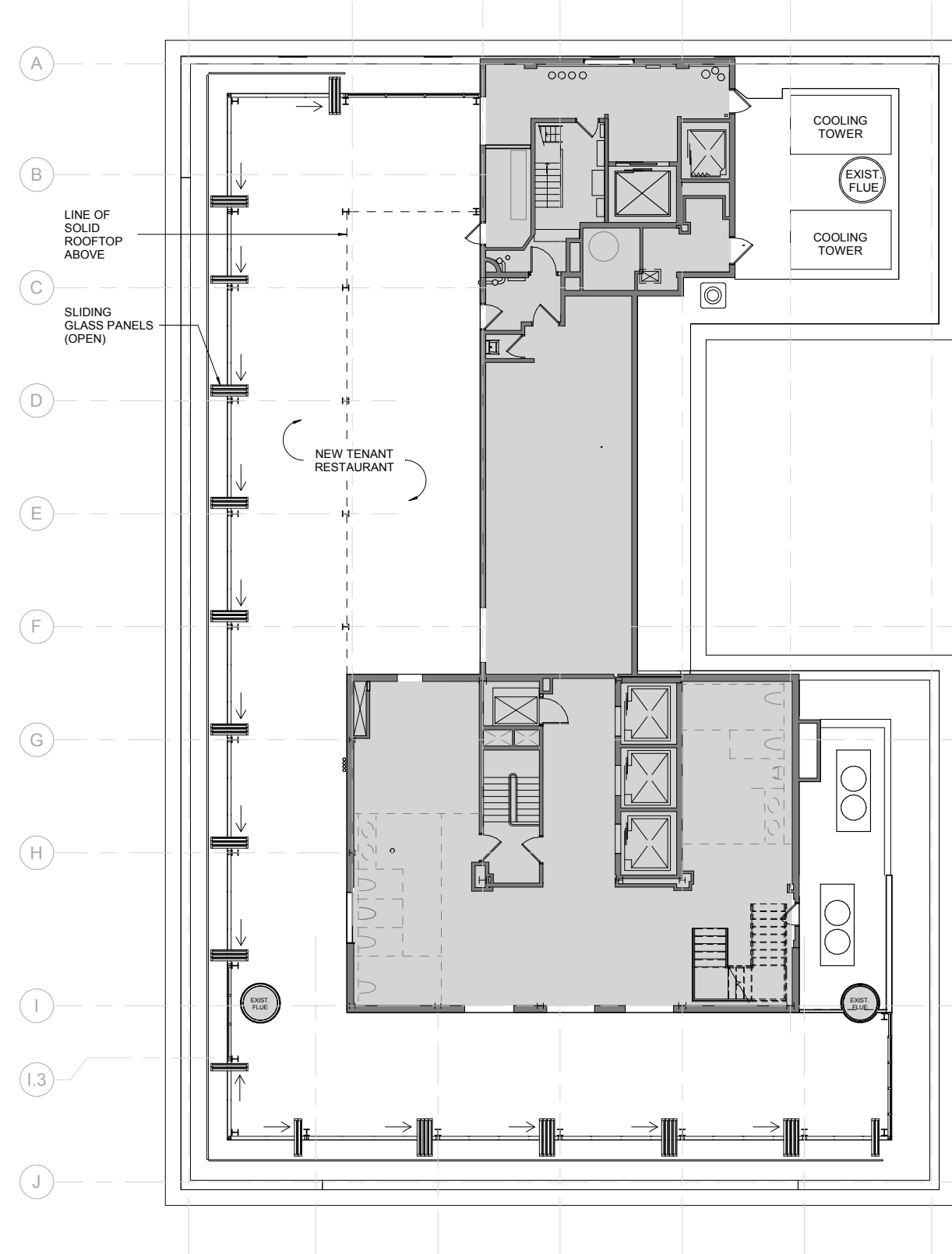


PROPOSED PLAN LEVEL 17

CLOSED GLASS SLIDING PANELS



OPEN GLASS SLIDING PANELS



PROPOSED ROOFTOP MECHANICAL UPGRADES



REPLACE UNITS WITH
ACCU 1 & ACCU 2



REMOVE EXHAUST FANS

REPLACE EXHAUST FANS



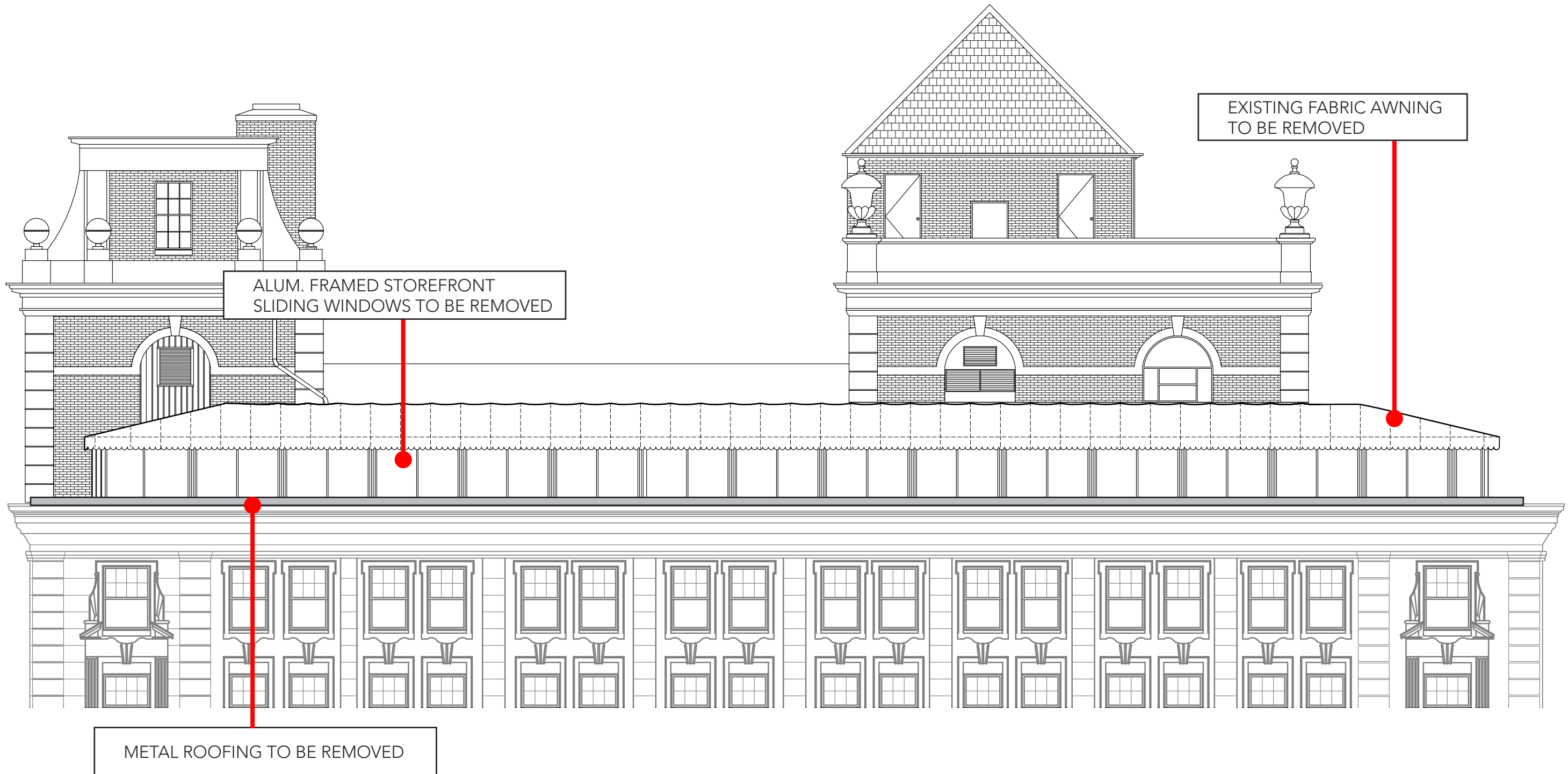
REPLACE UNITS
WITH MAU 1,
MAU 2 &
ACCU 3



REMOVE DUCTWORK,
REPLACE LOUVER WITH
NEW LOUVERS FLUSH
WITH EXTERIOR WALL



EXISTING NEWBURY ELEVATION - ROOFTOP



EXISTING ARLINGTON ELEVATION - ROOFTOP

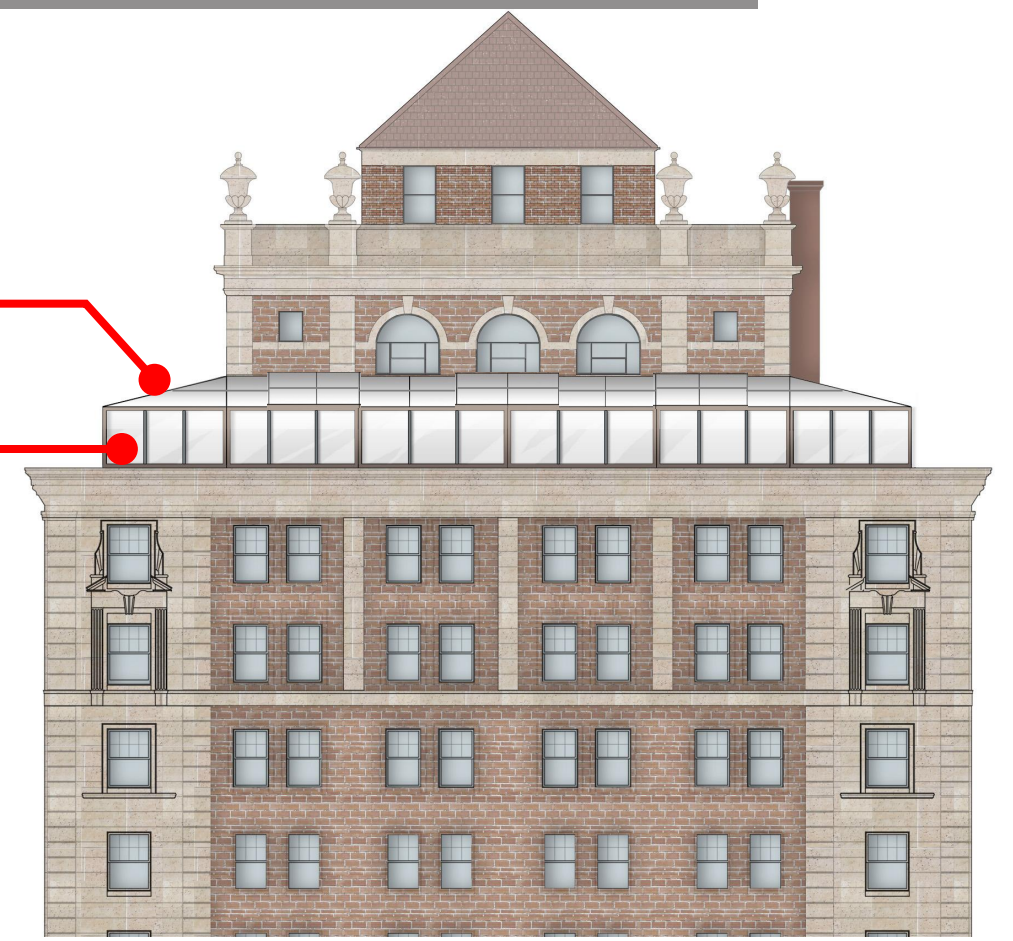


PROPOSED ELEVATIONS - ROOFTOP

NEWBURY ELEVATION



ARLINGTON ELEVATION



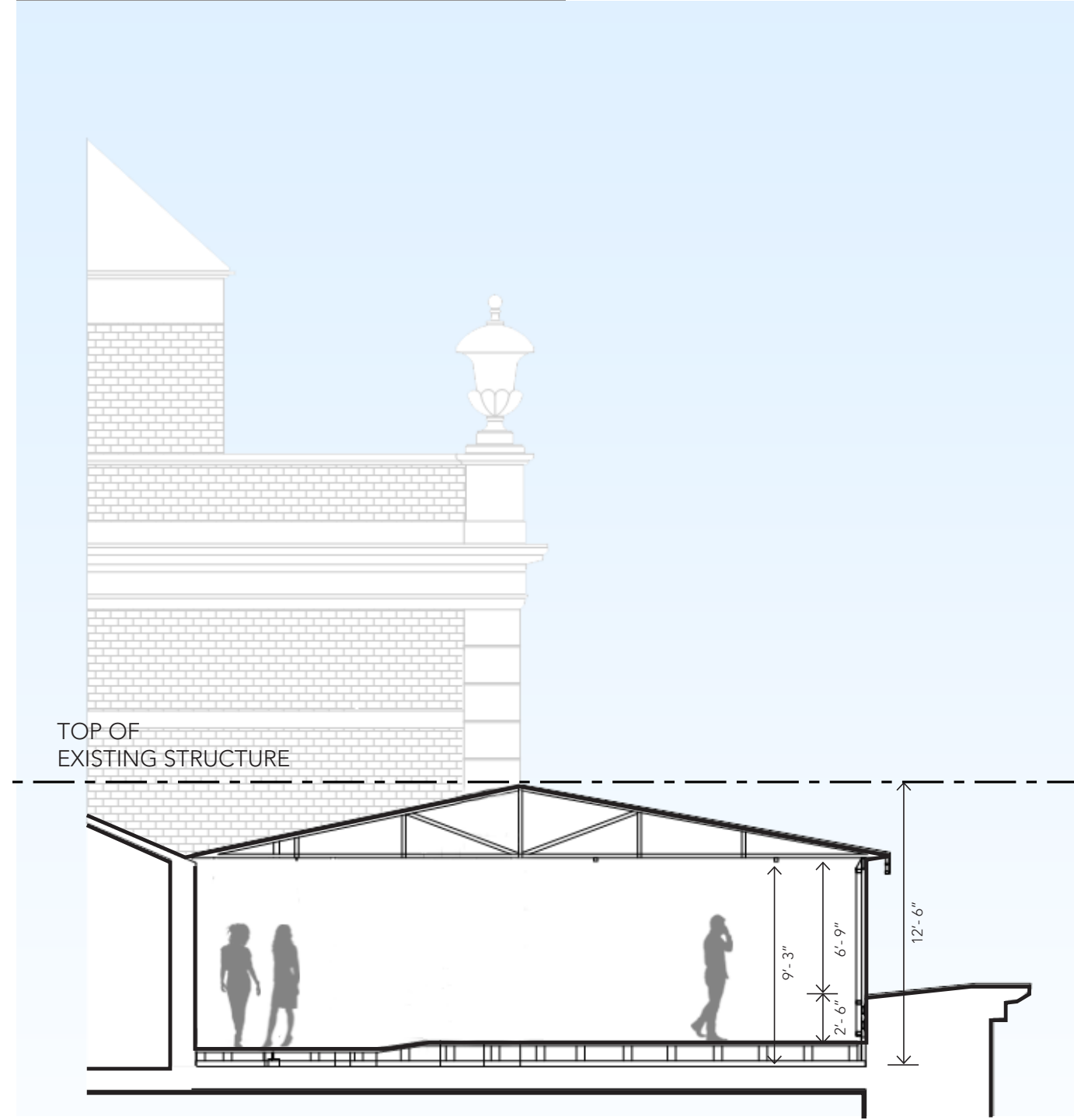
NEW GLAZED ROOF

NEW GLAZED WINDOW UNITS

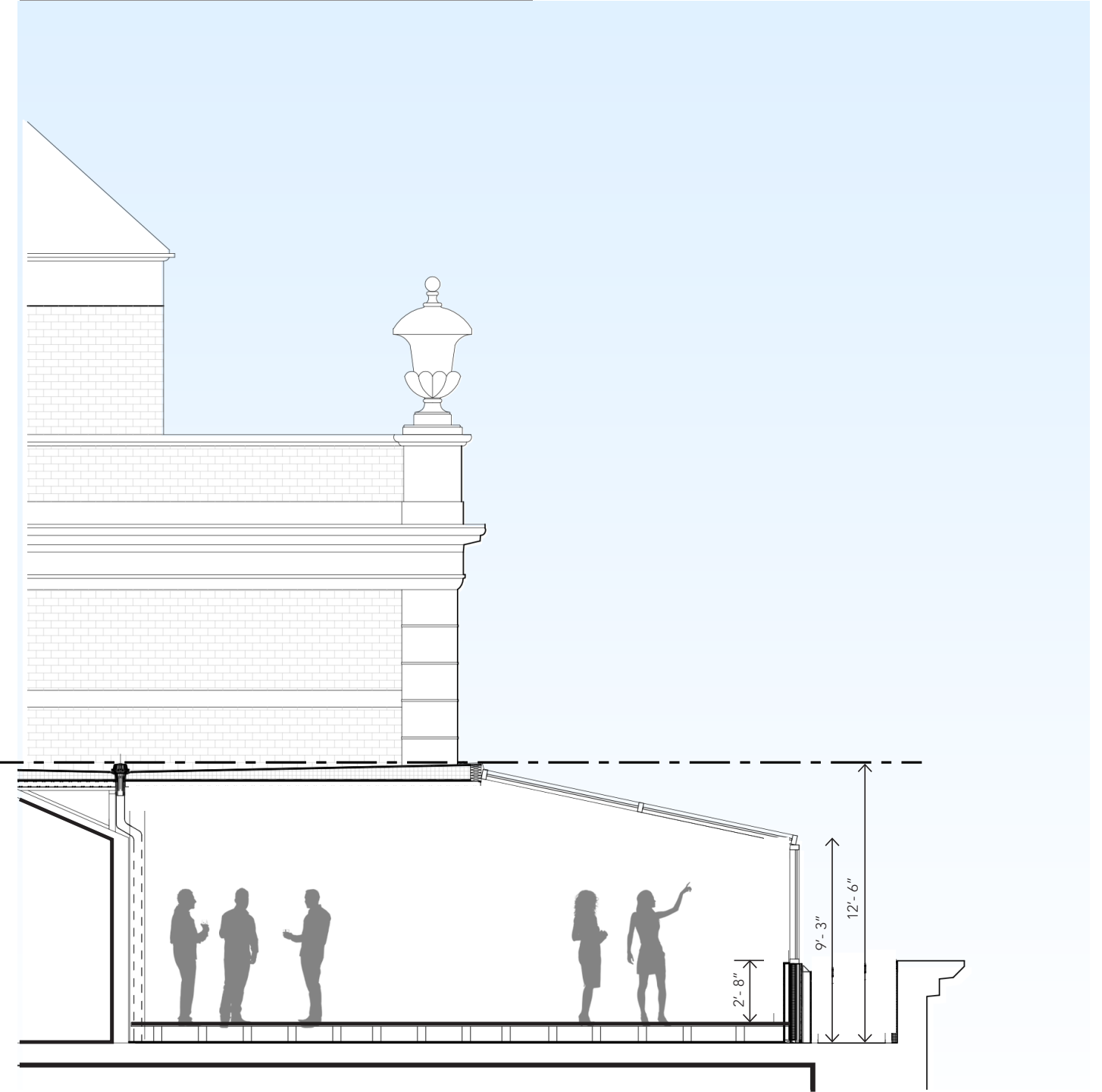


ROOFTOP SECTIONS

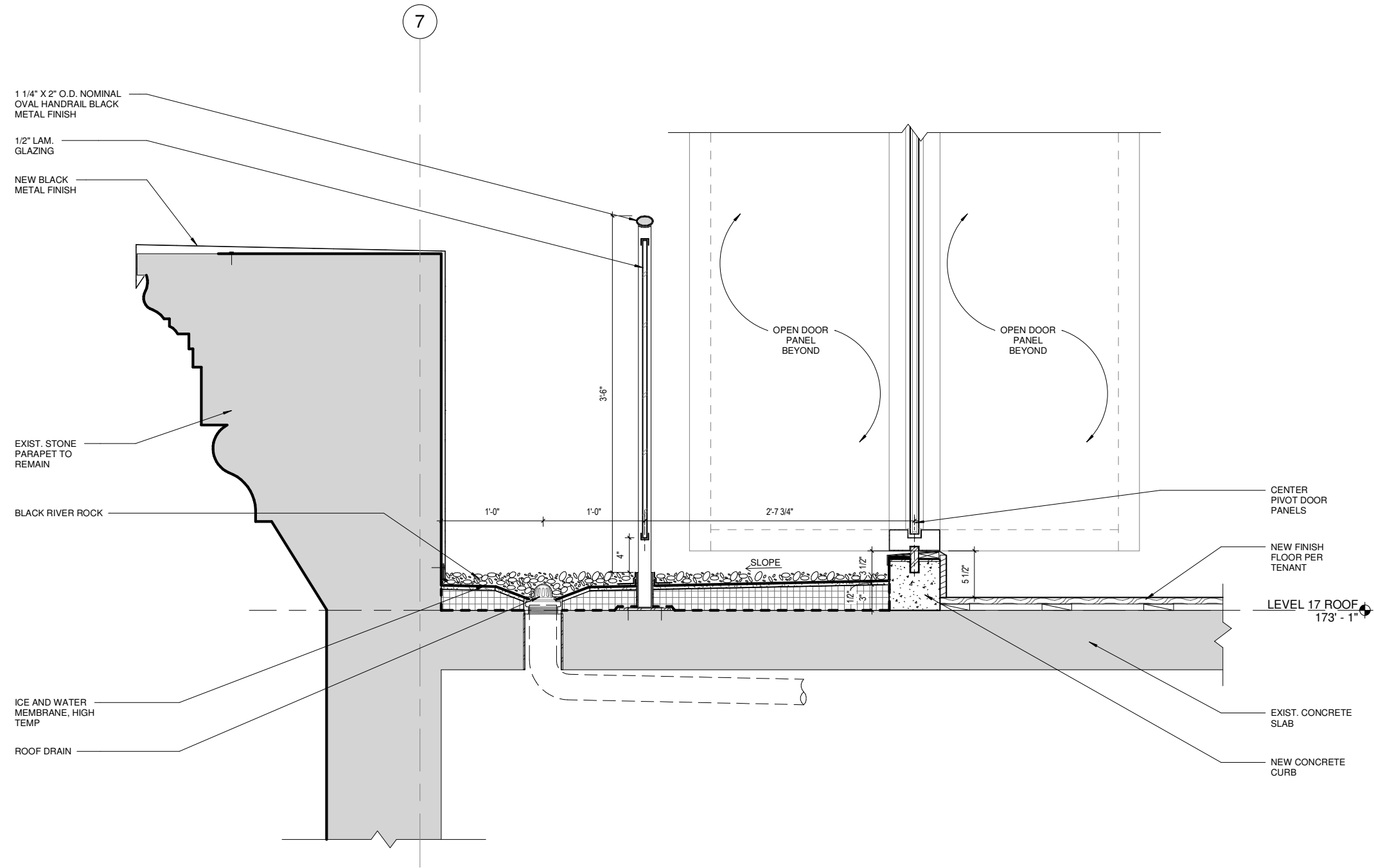
EXISTING



PROPOSED

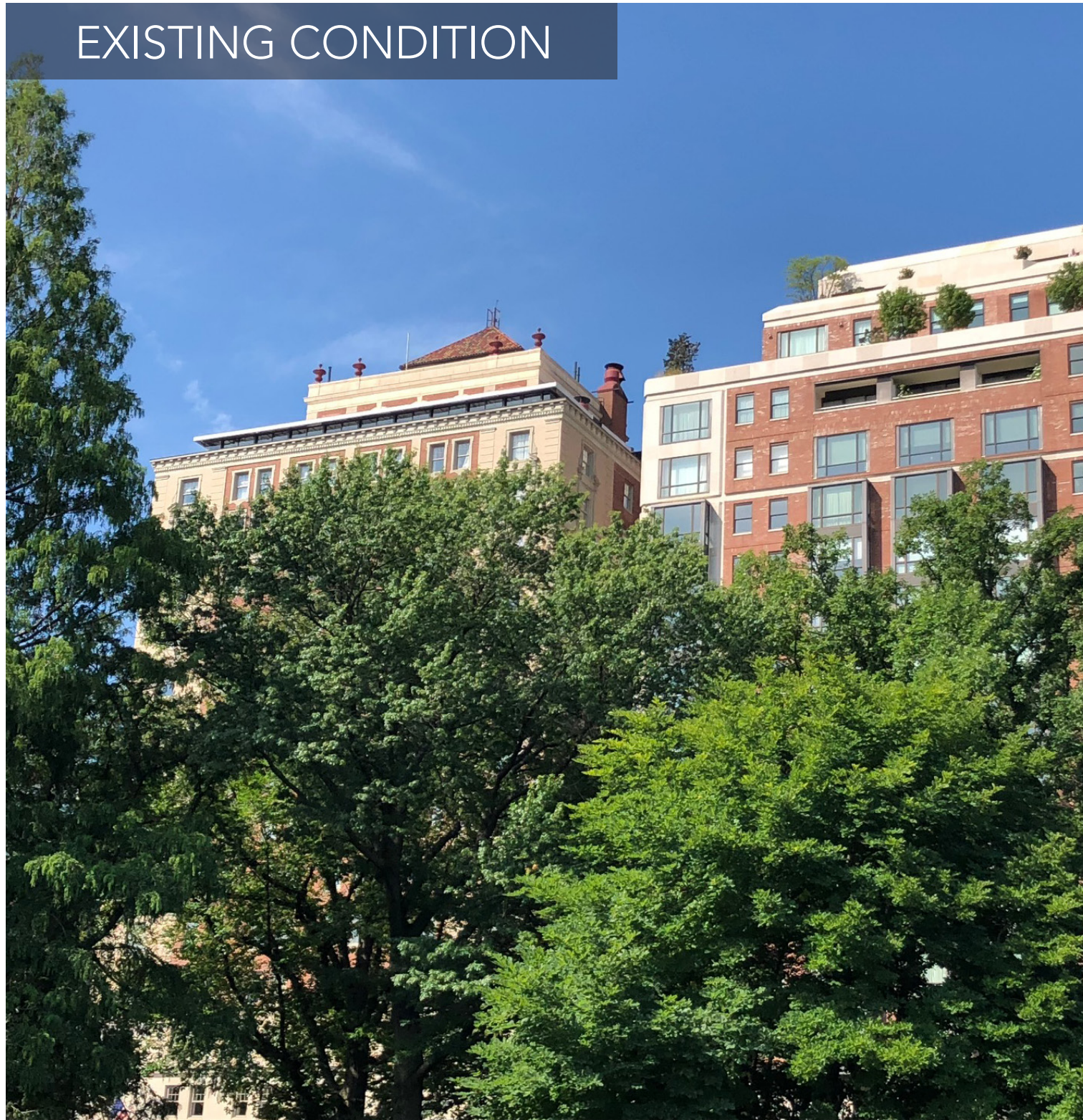


ROOFTOP SECTIONS



VIEW FROM PUBLIC GARDEN

EXISTING CONDITION



PROPOSED DESIGN



ARLINGTON / BOYLSTON VIEW

EXISTING CONDITION



PROPOSED DESIGN



PROPOSED ROOFING LAYOUT



TAJ BOSTON

SIGNAGE PACKAGE



NEWBURY ENTRANCE



A. quote in bronze lettering inlaid into etched stone

B. property emblem etched into stone planters/plinths

C. property logo etched into bronze plaque

D. storefront signage as a protruding, hanging element

E. restaurant logo etched into bronze plaque

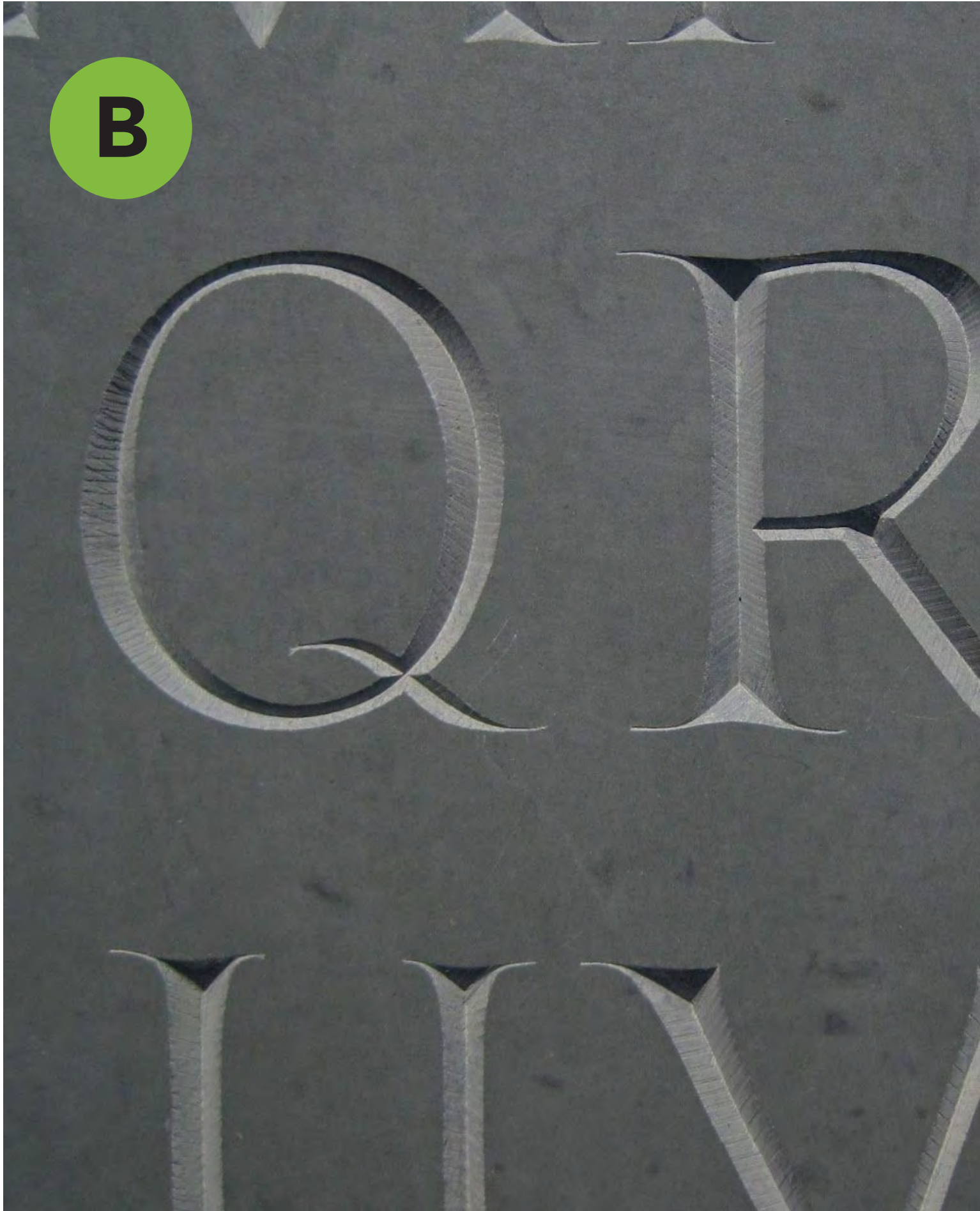
F. property emblem silkscreened onto fabric

tzelan





B



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Any reproduction or redistribution of this material is prohibited.



C

E





F



NEWBURY ENTRANCE

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tzelan



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tzelan



ARLINGTON ENTRANCE



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F. property emblem silkscreened onto fabric

tzelan



TAJ BOSTON

CUT SHEETS





JANUS et Cie®



BRANCH SIDE CHAIR

THE BRANCH COLLECTION

PRICE: \$903.00

PRODUCT NUMBER 735-05-061-75-75

FRAME: POWDER COATED ALUMINUM. SEAT & BACK: POLYPROPYLENE & FIBERGLASS. STACKS TO 4.

W	21.25"	54 CM
D	21.25"	54 CM
H	31"	79 CM
SH	17.25"	44 CM
WEIGHT	12 LBS	5.4 KG

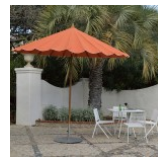
COLOR: WENGE



ENVIRONMENTS



HIGHLIGHTS





JANUS et Cie®



BRANCH DINING TABLE

ROUND 80

THE BRANCH COLLECTION

PRICE: \$2,240.00

PRODUCT NUMBER 735-05-505-75-75

BASE & TOP: POWDER COATED ALUMINUM.

H	30"	76 CM
DIAM	31.5"	80 CM
WEIGHT	44.1 LBS	20 KG

COLOR: WENGE



ENVIRONMENTS



HIGHLIGHTS





oluce

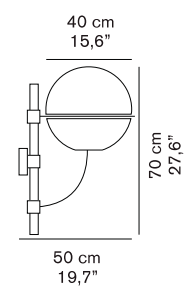
LYNDON 160

Vico Magistretti
1977

Lampada da parete per esterno. Struttura in metallo zincato verniciato nero, globo in policarbonato trasparente.

Outside wall lamp. Zinc-plated and black lacquered metal structure, globes in transparent textured glass.

DIMENSIONI/DIMENSIONS



MATERIALI/MATERIALS

metallo/policarbonato
metal/polycarbonate

COLORE/COLORS

trasparente/transparent

SORGENTI/BULBS

1 x max 100 W - E27



fornita senza lampadina
equipped without bulb

MARCHI/MARKS



INFORMAZIONI AGGIUNTIVE/ FURTHER INFORMATION



classe I
class I

IP23



classe energetica: A+, A, B, C, D
energy class: A+, A, B, C, D

IMBALLO/PACKAGING



Diffusore/Diffuser

dim./dim. 40x40x40 cm / 15,7"x15,7"x15,7"
volume/volume 0,064 m³ / 2,26 ft³
peso/weight 2,2 kg / 4,85 lb

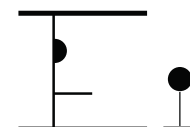


Struttura/Structure

dim./dim. 73x44x17 cm / 28,7"x17,3"x6,7"
volume/volume 0,054 m³ / 1,90 ft³
peso/weight 4,5 kg / 9,92 lb

TIPOLOGIA/TYPE

esterno - lampada da esterno
outdoor - outdoor lamp



CURVA FOTOMETRICA/ PHOTOMETRIC CURVE



ESTATE ZINC FOOTED PLANTERS

\$250 - \$825 REGULAR

\$187 - \$618 MEMBER

Inspired by planters from 19th-century European estate gardens, ours are handcrafted of heavy-gauge aluminum with a zinc finish and are predrilled for easy planting.

HIDE DETAILS -

- Crafted with a durable, rustproof powdercoated finish
- Small, Medium and Tall planters include 1 drainage hole with rubber plug; Large, Extra-Large and Trough planters include 2 drainage holes and 2 rubber plugs; planters can be drilled for additional drainage holes; consult hardware store for recommended drill bit
- Frost resistant
- Clean with a damp cloth or soft brush

HIDE DIMENSIONS -

Small Overall: 18" sq., 18"H; 22 lbs.
Small Interior: 15½" sq. (top), 14" sq. (bottom); 14"H

Medium Overall: 22" sq., 22"H; 33 lbs.
Medium Interior: 19½" sq. (top), 17¼" sq. (bottom); 18¼"H

Large Overall: 28" sq., 28"H; 51 lbs.
Large Interior: 25½" sq. (top), 24" sq. (bottom); 24"H

Low Urn Overall: 21½" sq., 9½"H; 15 lbs.
Low Urn Interior: 19" sq. (top), 10" sq. (bottom), 6½"H

Tall Overall: 23½"W x 15¼"D x 35½"H; 40 lbs.
Tall Interior: 21"W x 13¼"D x 31"H

Trough Overall: 39½"W x 21½"D x 21½"H; 47 lbs.
Trough Interior: 37"W x 19"D x 17½"H



ESTATE ZINC FOOTED PLANTERS

\$250 - \$825 REGULAR

\$187 - \$618 MEMBER

SIZE

Choose Size ▾

PRICE

QTY

0 ▾

ADD TO CART

AVAILABILITY

Stocked items: **3-10 days** (typically)
Special order items: **Delivery times vary** [Check your zip/postal code.](#)

DELIVERY

Standard Delivery Shipping

RETURNS

Learn more about our [Return Policy](#)

[VIEW IN STOCK ITEMS](#)

[ADD TO WISH LIST](#)

[BOOKMARK & SHARE](#)

[ADD ALL TO CART](#)

EX01 MIRRORED LED BULB BENEATH MARQUEE

For information purposes only.
Dimensions in the metric system.



	1800K	2200K	2700K	3000K	4000K	6000K	Power / puissance	Base / Culot	Filaments	Dimensions	Glass / Verre	
	Ref. / Réf.	FLB701	FLB711	FLB715			2W	E14 (EU) E12 (US)	2	85 x 29mm	Smoked	
	CRI / IRC	93	95	96								
	Flux	160lm	160lm	200lm								
	Ref. / Réf.	FLB101	FLB111	FLB115	FLB121	FLB131	FLB141	3,5W	E14 (EU) E12 (US)			
	CRI / IRC	93	95	96	96	96	96					
	Flux	320lm	320lm	400lm	400lm	400lm	440lm					
	Ref. / Réf.	FLB201	FLB211	FLB215	FLB221	FLB231	FLB241	3,5W	E14 (EU) E12 (US)			
	CRI / IRC	93	95	96	96	96	96					
	Flux	320lm	320lm	400lm	400lm	400lm	440lm					
	Ref. / Réf.	FLB401	FLB411	FLB415	FLB421	FLB431	FLB441	7W	E27	8 zigzag		
	CRI / IRC	93	95	96	96	96	96					
	Flux	640lm	640lm	640lm	800lm	800lm	880lm					
	Ref. / Réf.	FLB801	FLB811	FLB815	FLB821	FLB831	FLB841	8W	E27	8	108 x 60 mm (4,25" x 2,36")	Mirror Miroir
	CRI / IRC	93	95	96	96	96	96					
	Flux	310lm	310lm	380lm	380lm	380lm	430lm					
	Ref. / Réf.	FLB301	FLB311	FLB315	FLB321	FLB331	FLB341	7W	E27	8	108 x 60 mm (4,25" x 2,36")	Opal Opalisé
	CRI / IRC	93	95	96	96	96	96					
	Flux	580lm	580lm	720lm	720lm	720lm	800lm					
	Ref. / Réf.	FLB501	FLB511	FLB515	FLB521	FLB531	FLB541	3,5W	E27	4	69 x 45 mm (2,72" x 1,77")	Opal Opalisé
	CRI / IRC	93	95	96	96	96	96					
	Flux	290lm	290lm	360lm	360lm	360lm	400lm					
	Ref. / Réf.	FLB601	FLB611	FLB615	FLB621	FLB631	FLB641	7W	E27	8	175 x 125 mm (6,89" x 4,92")	Milky Blanc
	CRI / IRC	93	95	96	96	96	96					
	Flux	580lm	580lm	720lm	720lm	720lm	800lm					



■ References available upon request / Références disponibles sur commande

Designed in France and assembled in China. / Conçu en France et fabriqué en Chine.

EX02 FEATURE WALL SCONCE

oluce



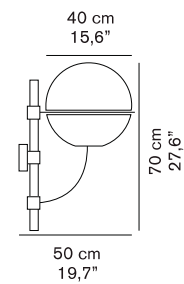
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Outside wall lamp. Zinc-plated and black lacquered metal structure, globes in transparent textured glass.

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classe I
class I

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classe energetica: A, A, B, C, D
energy class: A, A, B, C, D

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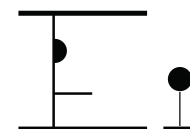


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TIPOLOGIA/TYPE

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outdoor - outdoor lamp



CURVA FOTOMETRICA/ PHOTOMETRIC CURVE

TYPICAL SPOT LIGHT FOR STEPS & STAIR

zero mario nanni 2004



EX03

IP67 spotlight for interiors and exteriors, comprising a cylindrical body and round bezel, both in opaque oxidized aluminium. It can be installed on the ceiling, wall or ground by means of specific housing. It can also be secured by means of a spring or ring nut and rear screws. Wired for 1W led in different colours on an interchangeable mobile head, meaning that the light colour can be changed without having to replace the body.

cuerpo iluminante empotrable para interiores y exteriores IP67, compuesto por un cuerpo cilíndrico y un marco circular, ambos de aluminio oxidado opaco. puede empotrarse en techo, pared o piso con su respectivo armazón, o fijarse con muelle o abrazadera y tornillos por detrás. cableado para led de 1W de distinto color sobre cabezal móvil intercambiable, de modo que el color de la luz se puede variar sin tener que sustituir el cuerpo.



TYPICAL TREE UPLIGHT

BKSSL
SOLID STATE LIGHTING

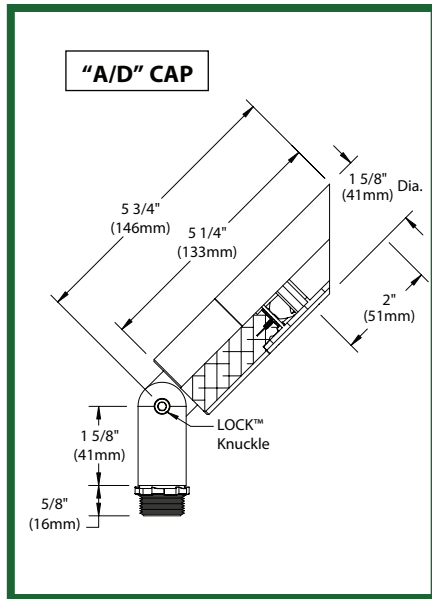
dimming



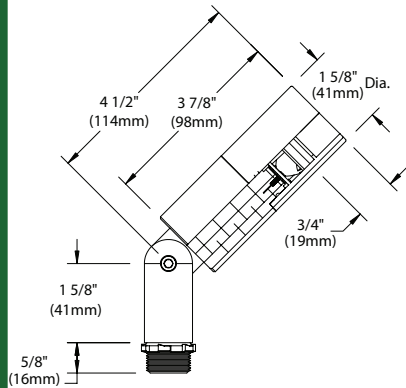
EX04

MICRO NITE STAR™

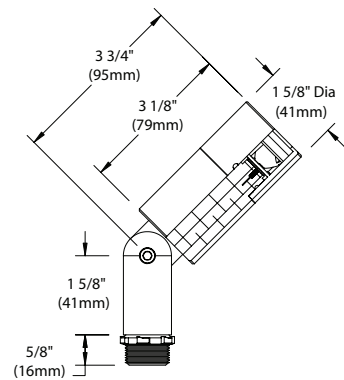
PROJECT:	
TYPE:	



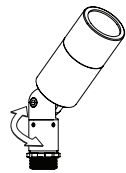
"B/E" CAP



"C" CAP



360 SL™

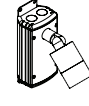
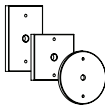
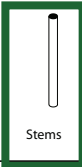
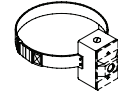
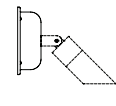


Horizontal Rotation
(Optional 360SL™ Knuckle)

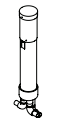
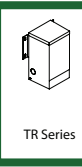
Accessories (Configure separately)

All dimensions indicated on this submittal are nominal.
Contact Technical Sales if you require more stringent specifications.

Mounting:



Remote Transformers:



SPECIFICATIONS

GreenSource Initiative™

Metal and packaging components are made from recycled materials. Manufactured using renewable solar energy, produced onsite. Returnable to manufacturer at end of life to ensure cradle-to-cradle handling. Packaging contains no chlorofluorocarbons (CFC's). Use of this product may qualify for GreenSource efficacy and recycling rebate(s). Consult www.bklighting.com/greensource for program requirements.

Materials

Furnished in Copper-Free Aluminum (Type 6061-T6) or Brass (Type 360).

Body

Fully machined from solid billet. Unibody design provides enclosed, water-proof wireway and integral heat sink for maximum component life. Integral knuckle for maximum mechanical strength. High temperature, silicone 'O' Ring provides water-tight seal.

Knuckle

The LOCK™ (Locking 'O' Ring Compression Knuckle) is comprised of two components. The first is integral to the body and features an interior, machined taper. The second is machined from solid billet and features a second, reverse angle taper. The resultant mechanical taper-lock allows a full 180° vertical adjustment without the use of serrated teeth, which inherently limit aiming. High temperature, silicone 'O' Ring provides water-tight seal and compressive resistance to maintain fixture position. Design withstands 73 lb. static load prior to movement to ensure decades of optical alignment. 1/2" pipe thread for mounting.

Optional 360SL™ additionally provides biaxial source control with 360° horizontal rotation in addition to vertical adjustment.

Cap

Fully machined. Accommodates [1] lens or louver media. Choose from 45° cutoff ('A' or 'D'), 5/8" deep bezel with 90° cutoff ('B' or 'E'), or flush lens ('C') cap styles. 'A' and 'B' caps include weep-hole for water and debris drainage. 'D' and 'E' caps exclude weep-hole and are for interior use only.

Lens

Shock resistant, tempered, glass lens is factory adhered to fixture cap and provides hermetically sealed optical compartment. Specify soft focus (#12) or rectilinear (#13) lens.

BKSSL®

Integrated solid state system with 'e' technology is scalable for field upgrade. Modular design with electrical quick disconnects permit field maintenance. High power, forward throw source complies with ANSI C78.377 binning requirements. Exceeds ENERGY STAR® lumen maintenance requirements. LM-80 certified components.

Integral, constant current driver. 12VAC/VDC input. 50/60Hz. Proprietary input control scheme achieves power factor correction and eliminates inrush current. Output, over-voltage, open-circuit, and short circuit protected. Inrush current limited to <1A (non-dimming). Conforms to Safety Std. C22.2 No. 250.13-12.

Line dimmable. For use with low voltage dimmer with dedicated neutral conductor. Minimum 25 watt load required for dimming.

Optics

Interchangeable OPTIKIT™ modules permit field changes to optical distribution. Color-coded for easy reference: Spot (SP) = Green. Narrow Flood (NFL) = Yellow. Flood (FL) = Blue.

Remote Transformer

For use with 12VAC BKSSL remote transformer.

Wiring

Teflon® coated, 18AWG, 600V, 250° C rated and certified to UL 1659 standard.

Hardware

Tamper-resistant, stainless steel hardware. LOCK™ aiming screw is additionally black oxide treated for additional corrosion resistance.

Finish

StarGuard®, our exclusive RoHs compliant, 15 stage chromate-free process cleans and conversion coats aluminum components prior to application of Class 'A' TGIC polyester powder coating. Brass components are available in powder coat or handcrafted metal finish.

Warranty

5 year limited warranty.

Certification and Listing

ITL tested to IESNA LM-79. Lighting Facts Registration per USDOE (www.lightingfacts.com). ETL Listed to ANSI/UL Standard 1838 and UL Standard 8750. Certified to CAN/CSA Standard C22.2 No. 9, CSA TIL B-58B. RoHs compliant. Suitable for indoor or outdoor use. Suitable for use in wet locations. Suitable for installation within 4' of the ground. IP66 Rated. Made in USA.



*Teflon is a registered trademark of DuPont Corporation.
*Energy Star is a registered trademark of the United States Environmental Protection Agency.

B-K LIGHTING

40429 Brickyard Drive • Madera, CA 93636 • USA
559.438.5800 • FAX 559.438.5900
www.bklighting.com • info@bklighting.com

SUBMITTAL DATE
1-8-14

DRAWING NUMBER
SUB000927

TYPICAL PLANTER STRIP LIGHT




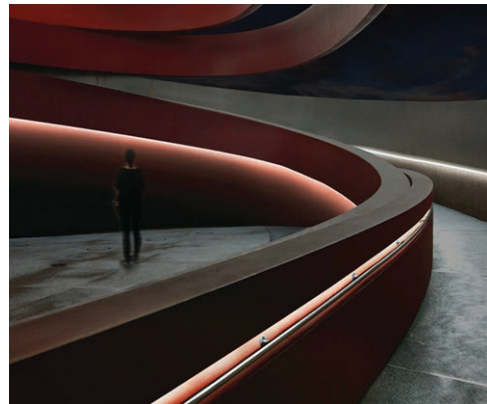
Underscore In/Out is a flexible continuous linear system for exterior applications, engineered for extreme conditions. This flexible system allows freedom of design on surface of any shape and size. Underscore In/Out is the right solution where direct diffuse distribution is desired.



Luminaire characteristics:

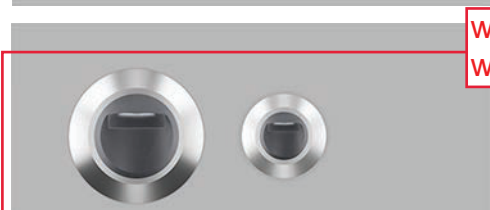
Power input: 2.6 or 3.5W/ft (Remote fixture only)
Lumens: 90 or 190lm/ft (for 2900K, 80CRI)
Luminaire efficacy: 30 to 55lm/W

Source:	White LED (LM-80 tested) 2500K / 2600K : 80CRI 2800K / 2900K : 80CRI 3600K / 3800K : 80CRI 4400K / 4500K / 4600K : 80CRI
Lumen maintenance:	See page 4 for details.
Optics:	Underscore In/Out can be used to create straight or curved lines on flat surfaces. Darkspot free lighting is guaranteed along the entire strip profile up to the end parts.
Material:	Coextruded high performance polymer extrusion IP68 factory sealed assembly. Designed for extreme temperatures: -22°F to +113°F (-30°C to +45°C). The high performance polymer has been tested at 1760°F (960°C) with Glow wire without igniting of smoke. Integral stainless steel splint system reducing mechanical stress and increase reliability.
Mounting:	Universal surface mounted, using mounting accessories (included). Supplied with 3" (80mm) long cable with patented IP68 connection system. See mounting options on page 2 - 3.
Electrical:	24V remote electronic driver to be ordered separately (see options on page 7)
Dimming:	See dimming options on page 7.
Finish:	White polymer extrusion with milky finish. Extruded anodized aluminum or stainless steel mounting clips.
Weight:	0.2lb/ft (0.1kg/ft)
Warranty:	5 year limited warranty.
Ratings:	IP68, IK10
Certification:	 Wet location

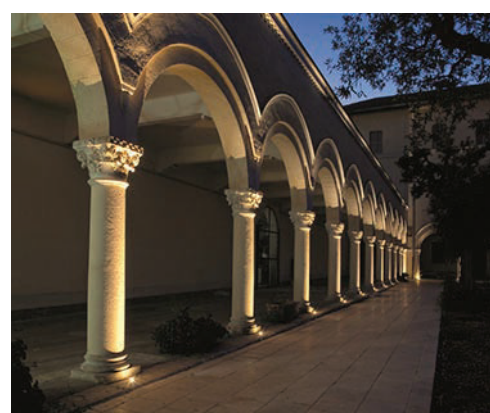


LIGHT UP TYPICAL UPLIGHT FOR ENGRAVED SIGNAGE

ORBIT



wall washer



Collection of compact exterior luminaires for architectural lighting. Rugged stainless steel construction, with tempered glass lens, these luminaires are designed to perform in extreme conditions. This Serie is available in 3 sizes, that can be installed for in-ground, wall or ceiling applications. Complete range of optic distributions for accent lighting, effects lighting and markers.

EX10

Luminaire characteristics:

Power input: Up to 6W
Lumens: Up to 475lm (for 3000K, 80CRI)
Luminaire efficacy: Up to 85lm/W

Source: LUXEON LED MODULE (LM-80 tested)

2700K : 80CRI,

3000K : 80CRI,

4000K : 80CRI.

Lumen maintenance: 80% of initial lumens at 50 000 hours (L80) (LM79 tested)

Optics: Spot, Flood, Wide Flood, with Optibeam technology, or Wall Washer, Diffuse and Light Blade

Material: Body and frame: Stainless steel
 Diffuser: 6 to 8 mm thick, tempered glass lens
 Optics: PMMA lens or PE film for Diffuse optic, clear, black or metalized Polycarbonate reflector

Mounting: Ground, wall or ceiling recessed installation using polypropylene back box (To be ordered separately). Supplied with 6ft (2m) long outdoor rated power cable. Connections to be made inside back box using wiring accessories. 12" of gravel is required below the luminaire to allow proper drainage.

Electrical: See remote power supply options on page 9-11

Finish: Stainless steel

Weight: I.LUO28: 0.4lbs (0.2kg)
 I.LUO50: 1.2lbs (0.5kg)
 I.LUO80: 2.8lbs (1.3kg)

Load capacity: 4409lbs (2000kg)

Surface temperature: 104°F (40°C)

Operating temperature: -22 to 122°F (-30 to 50°C)

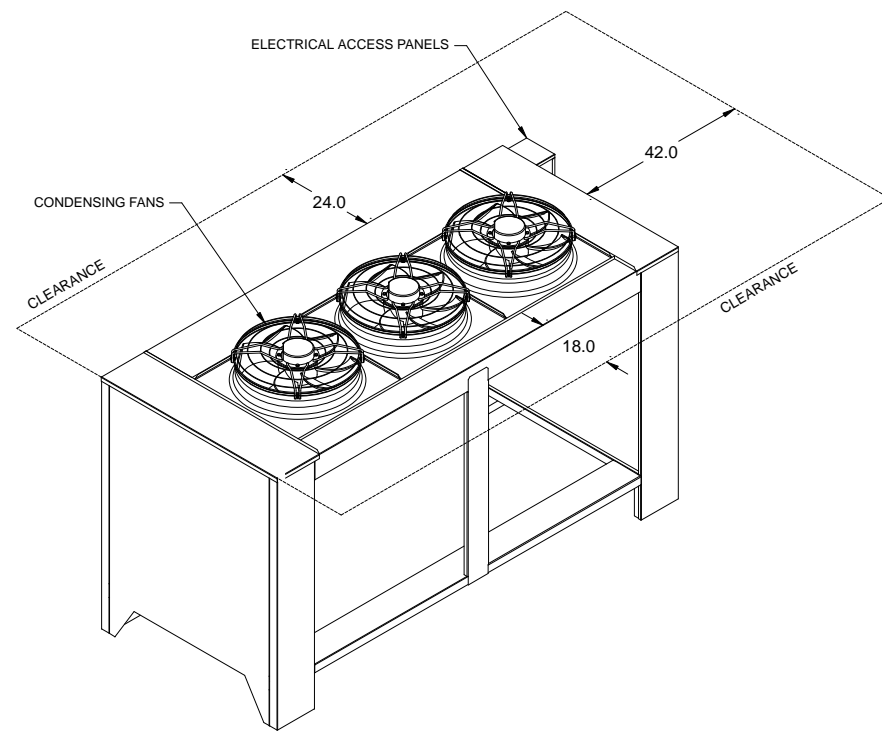
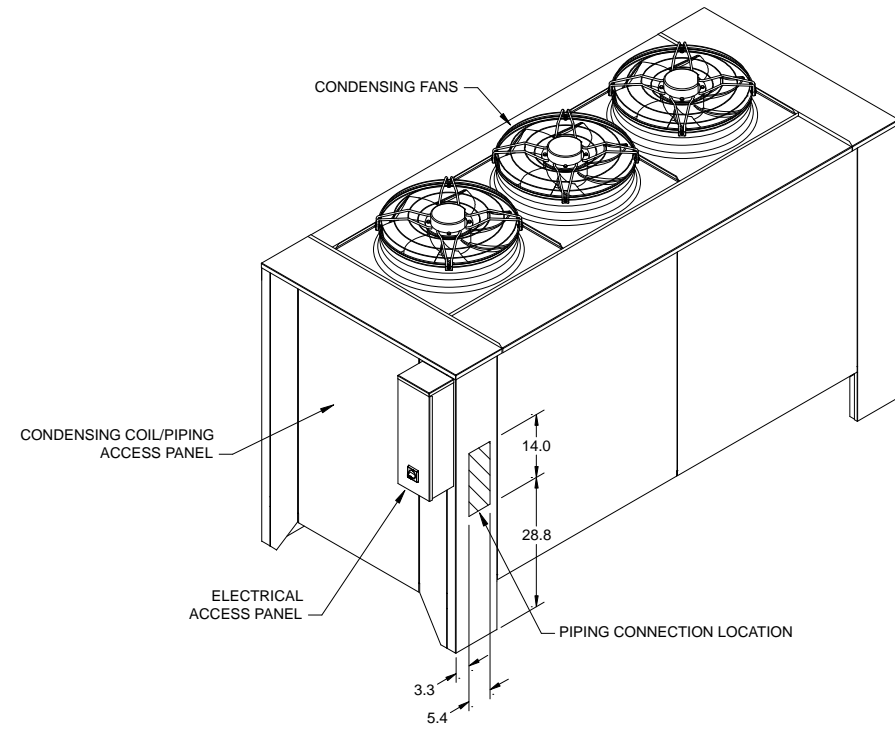
Warranty: 5 year limited warranty

Ratings: IP68, IK09

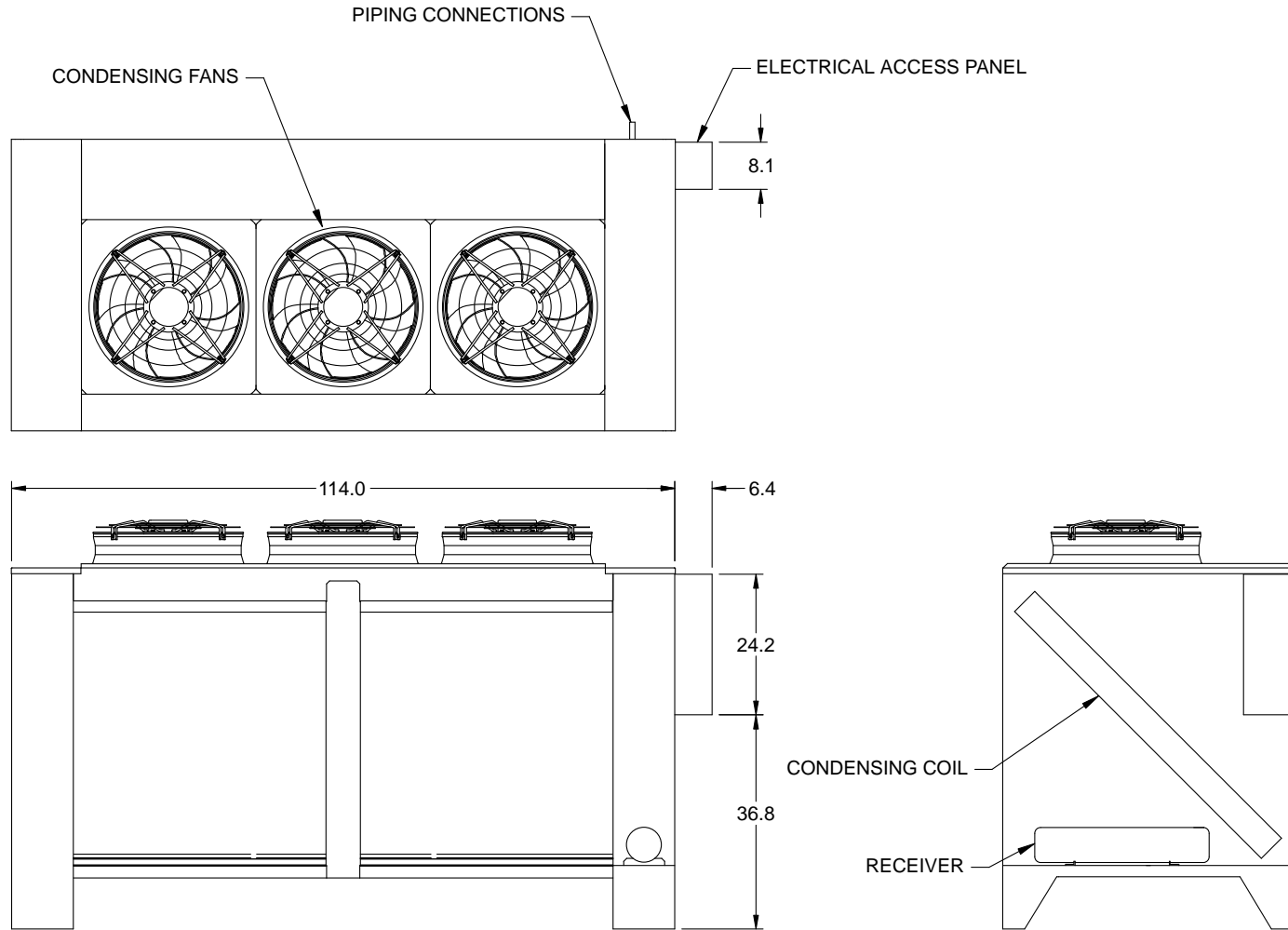
Certification:  Wet location

ACCU-1

RC ISOMETRIC DRAWINGS

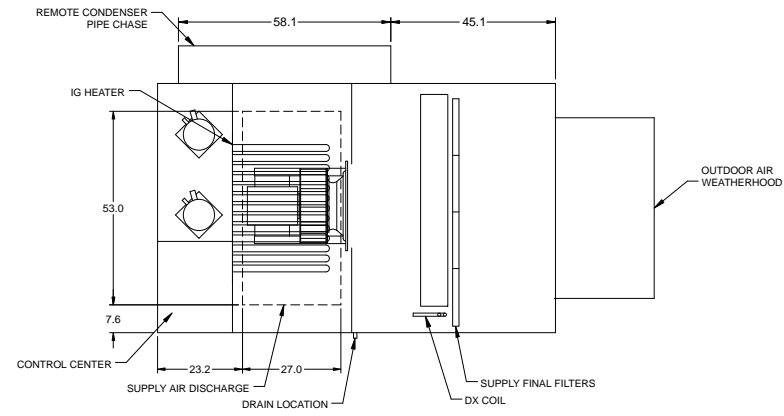


RC OVERVIEW DRAWINGS ACCU-1

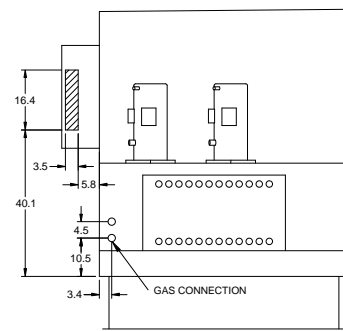


OVERVIEW DRAWINGS

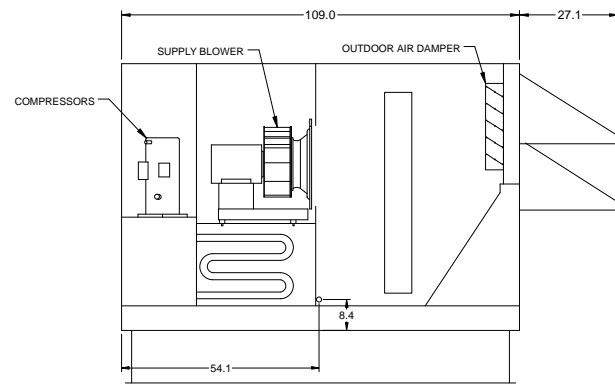
ACCU-1



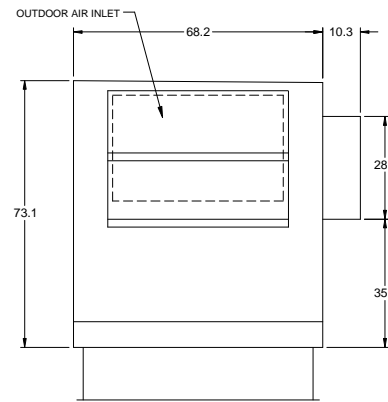
Plan



Left End



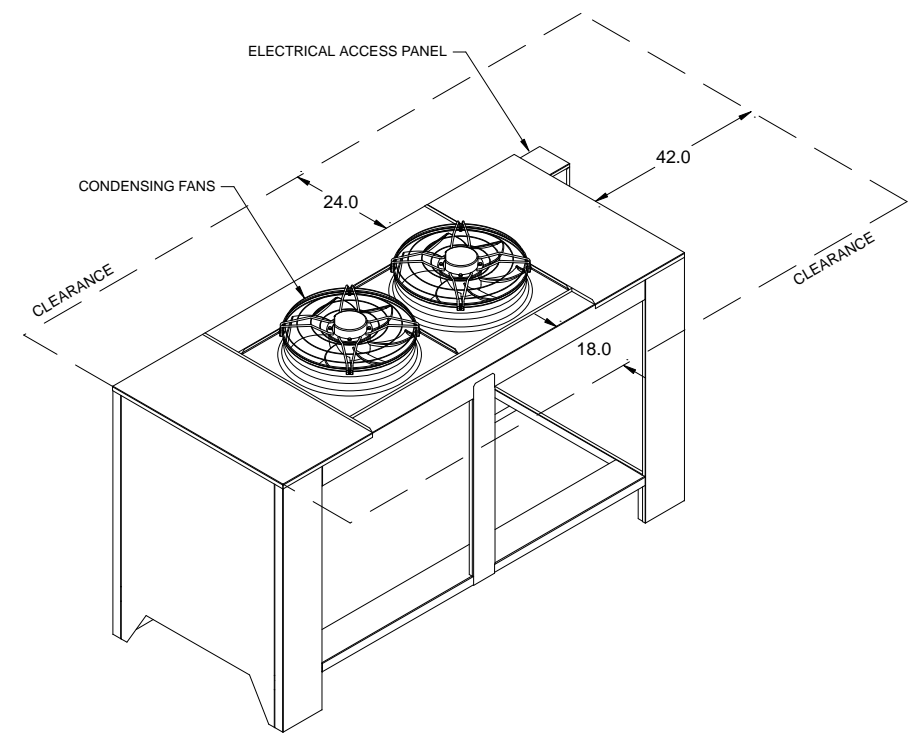
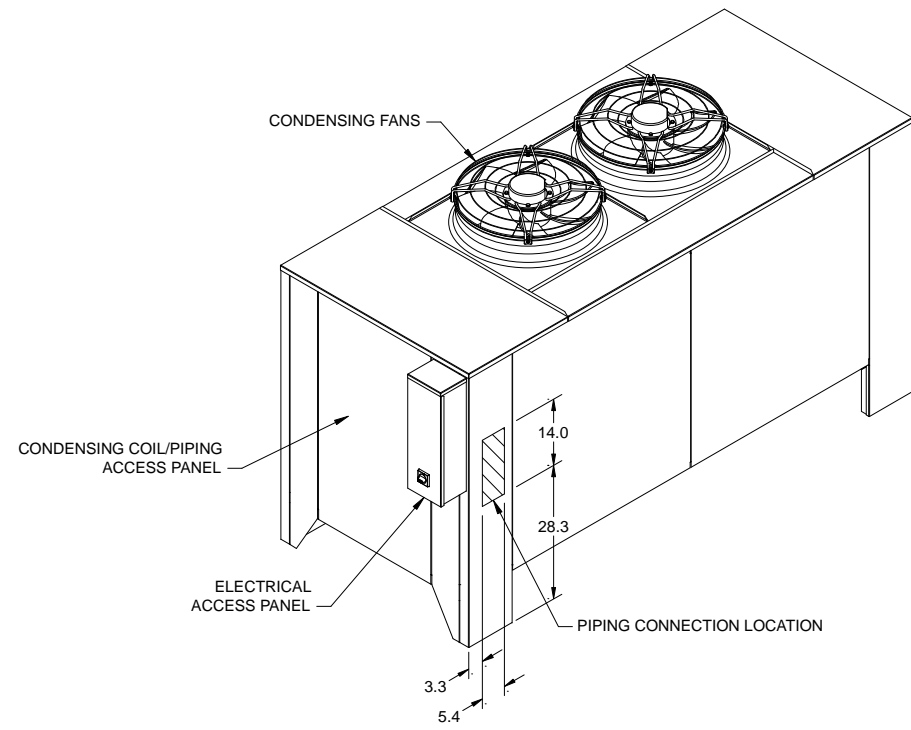
Elevation



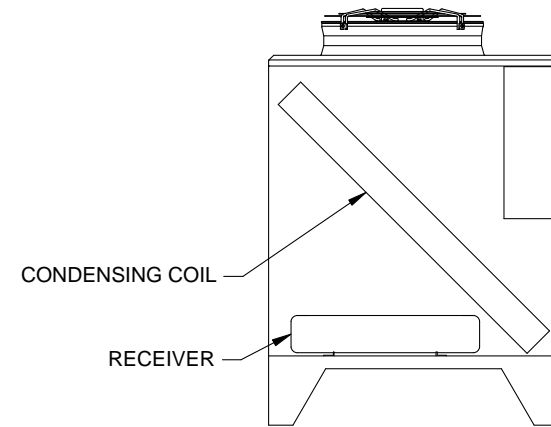
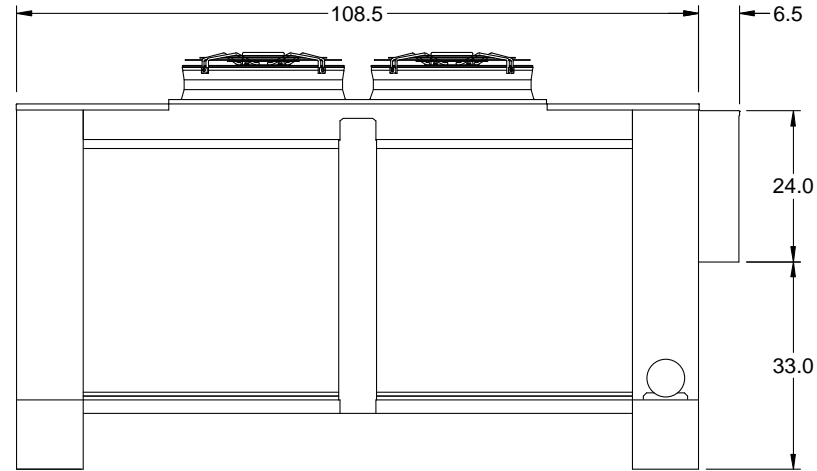
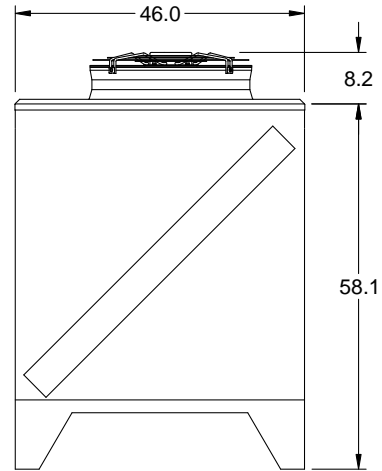
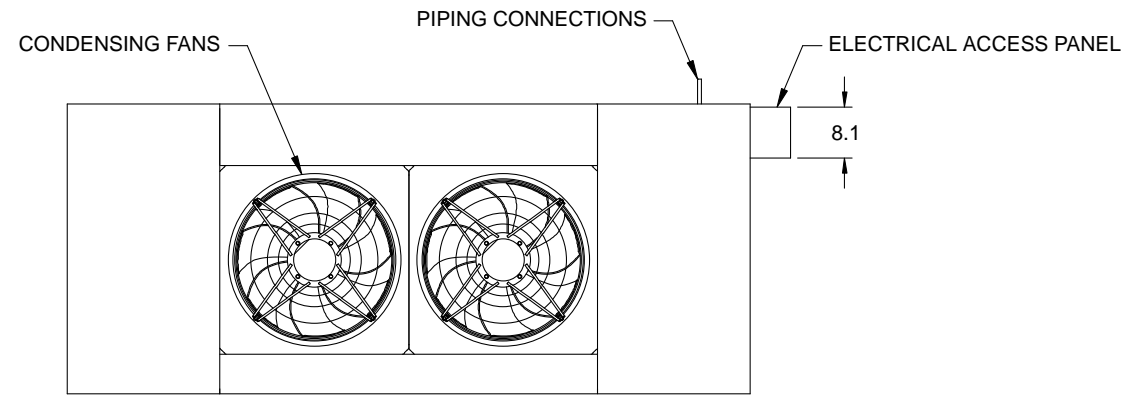
Right End

ACCU-2

RC ISOMETRIC DRAWINGS

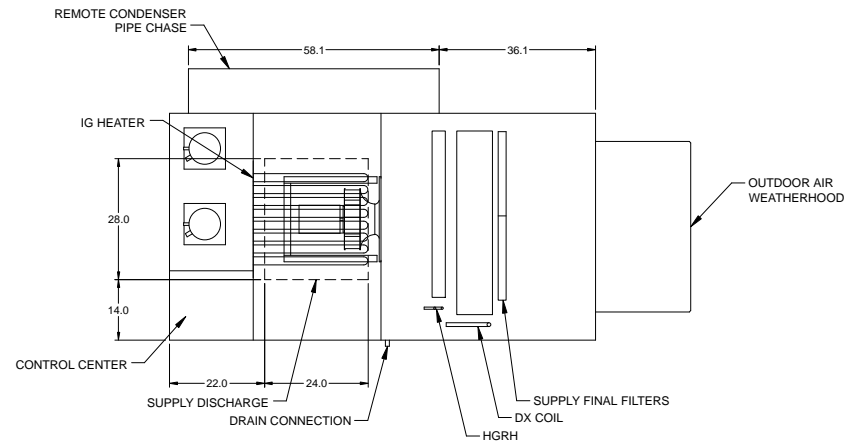


RC OVERVIEW DRAWINGS ACCU-2

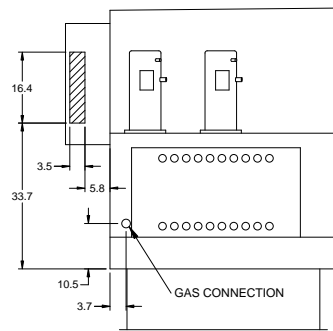


OVERVIEW DRAWINGS

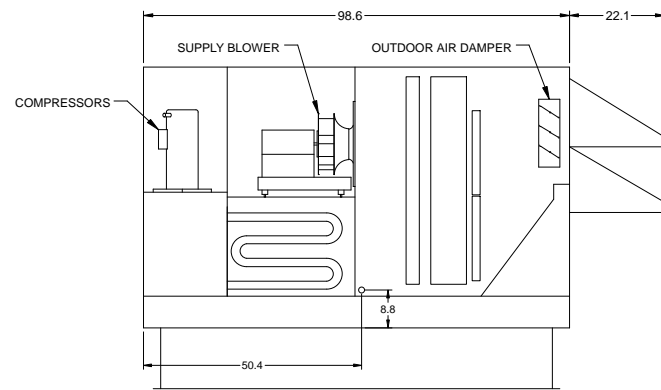
ACCU-2



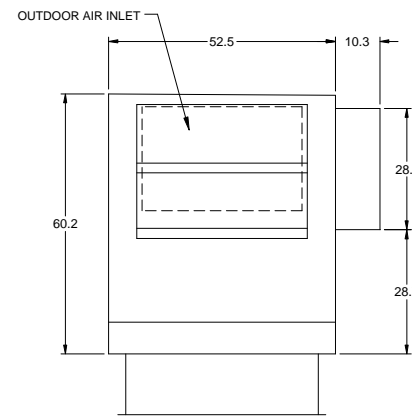
Plan



Left End



Elevation



Right End

Job Name: _____

System Reference: _____ Date: _____



OUTDOOR VRF HEAT PUMP WITH HEAT RECOVERY SYSTEM

UNIT OPTION

- Standard Model.....PURY-P312YSLMU-A
- Seacoast (BS) Model.....PURY-P312YSLMU-A-BS

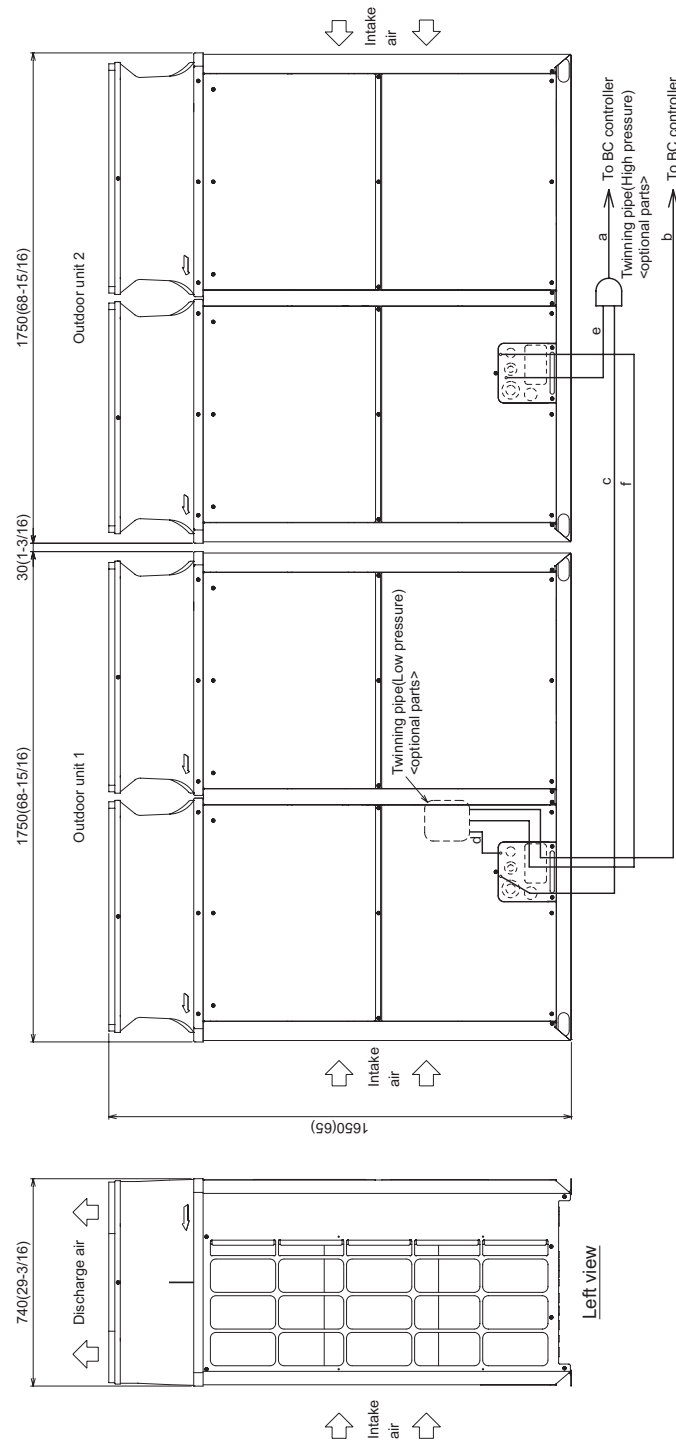
ACCESSORIES

- Twinning Kit (required).....CMY-ER200CBK
- Joint Kit.....for details see Pipe Accessories Submittal
- BC Controller (required).....for details see BC Controller Submittals
- Low Ambient Kitfor details see Low Ambient Kit Submittal
- Snow/Hail Guards Kit.....for details see Snow/Hail Guards Kit Submittal
- Base Pan Heater Kit.....for details see Base Pan Heater Kit Submittal

Specifications		System	Module 1	Module 2
Unit Type		PURY-P312YSLMU-A (-BS)	PURY-P168YLMU-A(-BS)	PURY-P144YLMU-A(-BS)
Nominal Cooling Capacity (460V)	Btu/h	312,000	168,000	144,000
Nominal Heating Capacity (460V)	Btu/h	350,000	188,000	160,000
Operating Temperature Range *1	Cooling (Outdoor) *2	Refer to Module Data	23~126° F (-5~52° C) DB	
	Heating (Outdoor)		-13~60° F (-25~15.5° C) WB	
External Dimensions (H x W x D)	In. (mm)	Refer to Module Data	64-31/32 x 68-29/32 x 29-5/32 (1,650 x 1,750 x 740)	64-31/32 x 68-29/32 x 29-5/32 (1,650 x 1,750 x 740)
Net Weight	Lbs. (kg)	1,460 (662)	730 (331)	730 (331)
External Finish		Refer to Module Data	Pre-coated galvanized steel sheet	
Electrical Power Requirements	Voltage, Phase, Hertz	Refer to Module Data**	460V, 3-Phase, 60Hz	
Minimum Circuit Ampacity (MCA)	A	Refer to Module Data**	31	24
Maximum Overcurrent Protection (MOP)	A	Refer to Module Data**	50	35
<i>Piping Diameter (Brazed)</i>				
From From Twinning Kit to BC Controller (In. / mm)	Liquid (High Pressure)	1-1/8 (28.58)	Refer to System Data	
	Gas (Low Pressure)	1-5/8 (41.28)		
Max. Total Refrigerant Line Length	Ft.	3,117	Refer to System Data	
Max. Refrigerant Line Length (Between ODU & IDU)	Ft.	541		
Max. Control Wiring Length	Ft.	1,640		
Indoor Unit	Total Capacity	50~150% of ODUs	Refer to System Data	
	Model / Quantity	P06~P96/2~50 (Max. No. Connectable Branches: 48)	Refer to System Data	
Sound Pressure Level	dB(A)	64.0	Refer to System Data	
<i>Fan</i>				
Type x Quantity		Refer to Module Data	Propeller fan x 2	Propeller fan x 2
Airflow Rate	CFM		11,300	11,300
External Static Pressure	In. WG	Refer to Module Data	Selectable; 0, 0.12 or 0.24"WG; factory set to 0"W.G.	
Compressor Operating Range		7% to 100%	Refer to System Data	
Compressor Type x Quantity		Refer to Module Data	Inverter-driven Scroll Hermetic x 1	Inverter-driven Scroll Hermetic x 1
Refrigerant		Refer to Module Data	R410A; 23 lbs. + 2 oz. (10.5 kg)	R410A; 23 lbs. + 2 oz. (10.5 kg)
Protection Devices	High Pressure	Refer to Module Data	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)
	Inverter Circuit (Comp. / Fan)		Over-current protection	Over-current protection
	Fan Motor		Thermal switch	Thermal switch
AHRI Ratings (Ducted/Non-Ducted)	EER	10.5 / 11.0	Refer to System Data	
	IEER	16.9 / 19.7		
	COP	3.24 / 3.27		
	SCHE	20.6 / 23.8		

NOTES:
 *1. When applying product below -4° F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating.
 *2. For details on extended cooling operation range down to -10° F DB, see Low Ambient Kit Submittal.
 ** Each individual module requires a separate electrical connection. Refer to electrical data for each individual module.

Outdoor Unit: PURY-P312YSLMU-A (-BS) – DIMENSIONS



Front view

Left view

Unit model	P240	P264	P288
Component unit model	P120	P144	P168
Twining Kit High pressure	c ø19.05(3/4)	c ø22.7(7/8)	c ø19.05(3/4)
Outdoor unit Low pressure	d - (Note 5)	d - (Note 5)	d - (Note 5)
Unit model	P312	P336	P360
Component unit model	P168	P144	P168
Twining Kit High pressure	c ø22.7(7/8)	c ø22.7(7/8)	c ø22.7(7/8)
Outdoor unit Low pressure	d - (Note 5)	d - (Note 5)	d - (Note 5)

Twining pipe connection size	PURY-P240YSLMU(A)(BS)	PURY-P264YSLMU(A)(BS)	PURY-P288YSLMU(A)(BS)	PURY-P312YSLMU(A)(BS)	PURY-P336YSLMU(A)(BS)	PURY-P360YSLMU(A)(BS)
Package unit name	PURY-P240YSLMU(A)(BS)	PURY-P264YSLMU(A)(BS)	PURY-P288YSLMU(A)(BS)	PURY-P312YSLMU(A)(BS)	PURY-P336YSLMU(A)(BS)	PURY-P360YSLMU(A)(BS)
Outdoor unit 1	PURY-P240YSLMU(A)(BS)	PURY-P264YSLMU(A)(BS)	PURY-P288YSLMU(A)(BS)	PURY-P312YSLMU(A)(BS)	PURY-P336YSLMU(A)(BS)	PURY-P360YSLMU(A)(BS)
Outdoor unit 2	PURY-P240YSLMU(A)(BS)	PURY-P264YSLMU(A)(BS)	PURY-P288YSLMU(A)(BS)	PURY-P312YSLMU(A)(BS)	PURY-P336YSLMU(A)(BS)	PURY-P360YSLMU(A)(BS)
Outdoor Twining Kit (optional parts)	PURY-P240YSLMU(A)(BS)	PURY-P264YSLMU(A)(BS)	PURY-P288YSLMU(A)(BS)	PURY-P312YSLMU(A)(BS)	PURY-P336YSLMU(A)(BS)	PURY-P360YSLMU(A)(BS)
BC controller - Twining pipe	ø34.9(1-3/8)	ø34.9(1-3/8)	ø34.9(1-3/8)	ø34.9(1-3/8)	ø34.9(1-3/8)	ø34.9(1-3/8)
BC controller - Twining pipe	ø28.5(1-1/8)	ø28.5(1-1/8)	ø28.5(1-1/8)	ø28.5(1-1/8)	ø28.5(1-1/8)	ø28.5(1-1/8)
BC controller - Twining pipe	ø28.5(1-1/8)	ø28.5(1-1/8)	ø28.5(1-1/8)	ø28.5(1-1/8)	ø28.5(1-1/8)	ø28.5(1-1/8)
BC controller - Twining pipe	ø28.5(1-1/8)	ø28.5(1-1/8)	ø28.5(1-1/8)	ø28.5(1-1/8)	ø28.5(1-1/8)	ø28.5(1-1/8)

Unit: mm (in.)

- Note 1. Connect the pipes as shown in the figure above. Refer to the table above for the pipe size.
 2. Twining pipe (High pressure) should not be tilted more than 15 degrees from the horizontal plane. Be sure to see the Installation Manual for details of Twining pipe installation.
 3. The pipe section before the Twining pipe (section "a" in the figure) must have at least 500mm(19-11/16) of straight section (*including the straight pipe that is supplied with the Twining pipe).
 4. Only use the Twining pipe by Mitsubishi (optional parts).
 5. Connect the outdoor unit 1 with the Twining pipe (Low pressure) (section "d" in the figure).

- NOTES:
 SEACOAST PROTECTION
- Anti-corrosion Protection: A coating treatment is applied to condenser coil for protection from air contaminants.
 - Standard: Salt Spray Test Method - no unusual rust development to 480 hours.
 - Sea Coast (BS): Salt Spray Test Method (JRA 9002) - no unusual rust development to 960 hours.