

UALB RKNAM

TABLE OF CONTENTS

01 ROOF PLANS

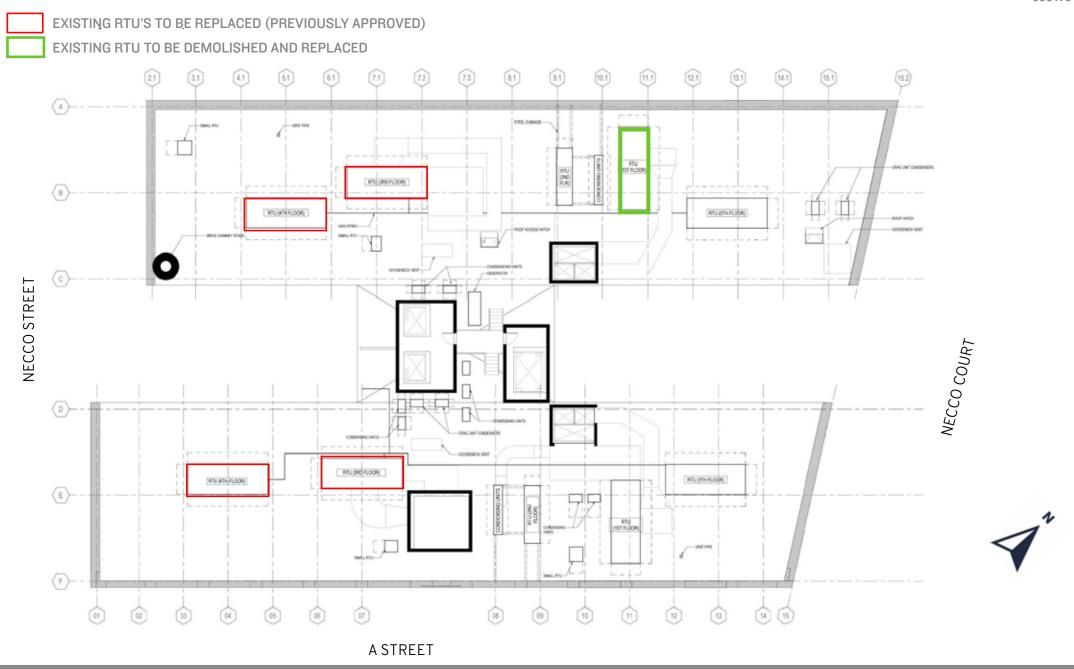
Existing Unit Locations

Proposed New Unit Locations

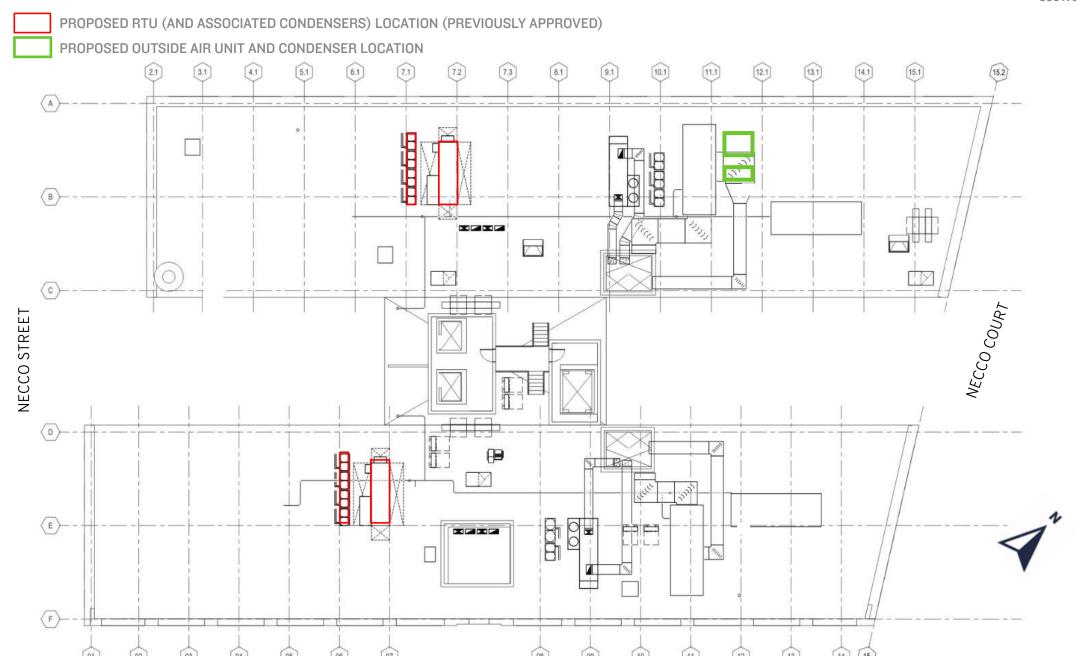
02 ROOFTOP UNITS

Existing Conditions Images
Existing + Proposed Plans
Elevations + Sections
Mockups Images
Cutsheet



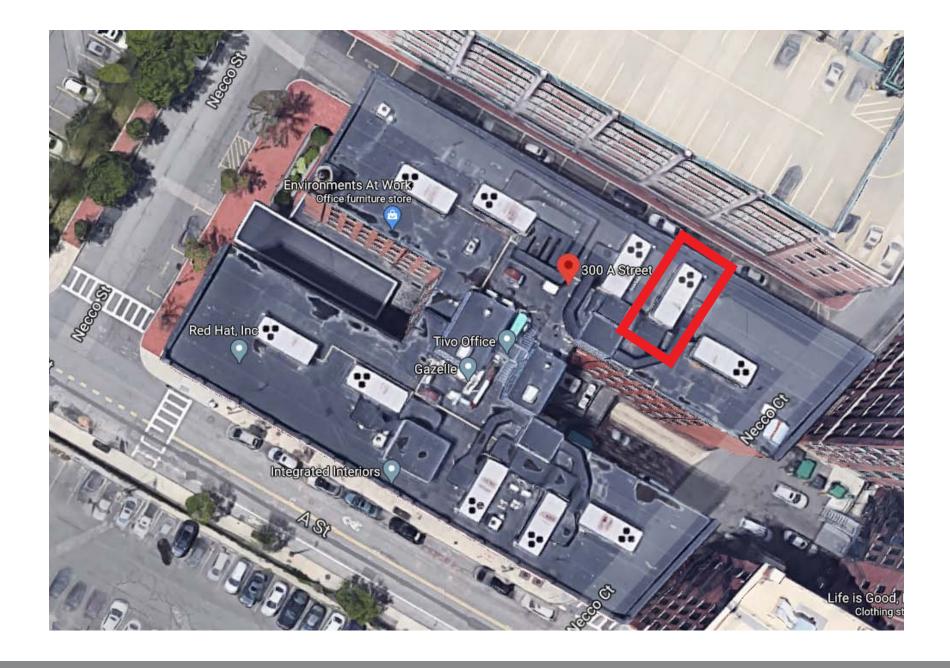


ROOF PLAN: EXISTING UNITS

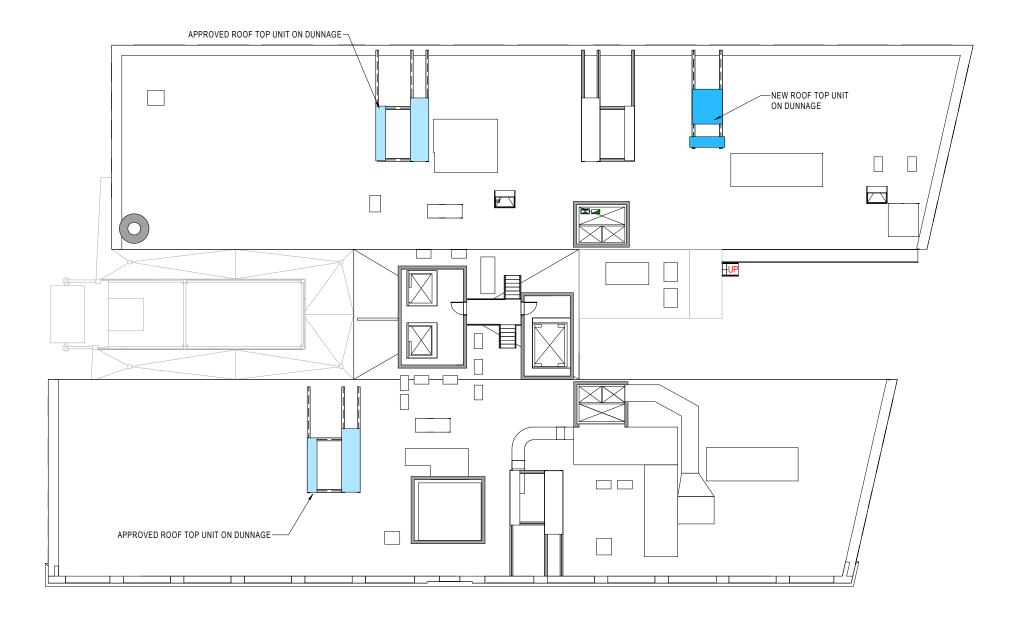


ROOF PLAN: PROPOSED NEW ROOFTOP UNITS





ROOFTOP UNIT: CURRENT LOCATION SITE MAP



ROOF PLAN: APPROVED NEW ROOFTOP UNITS

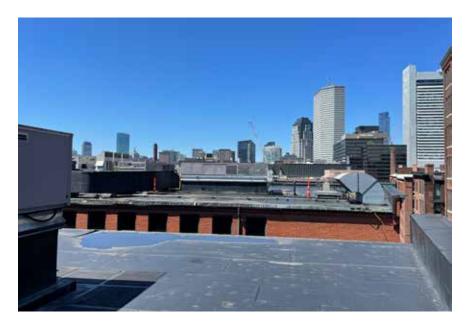
TYFR BRUWN PAGE 9

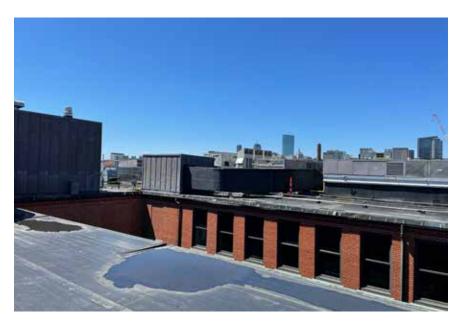






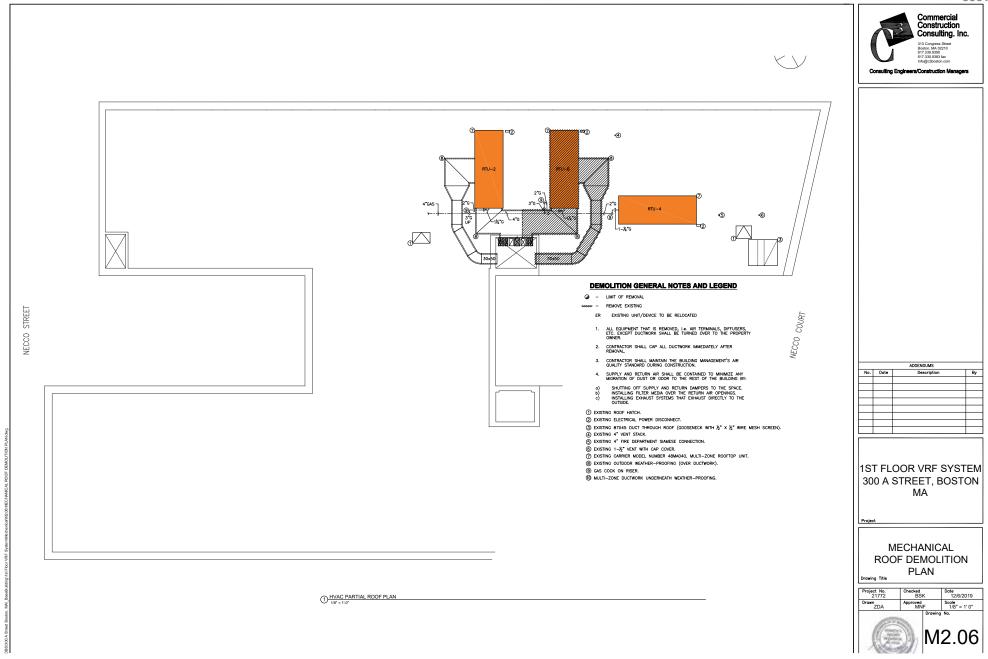






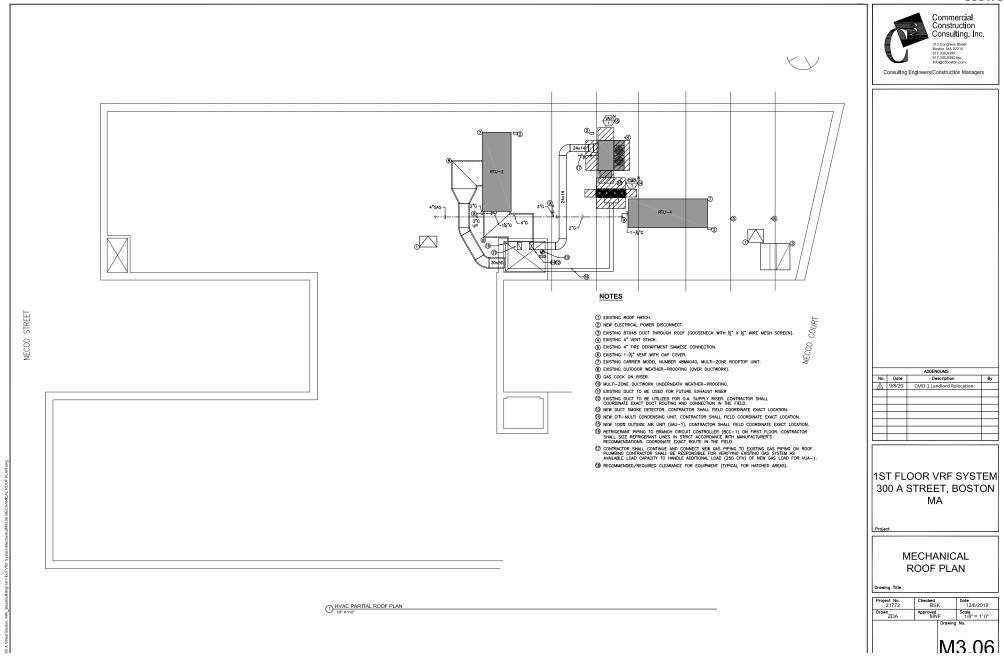
ROOFTOP UNIT DUCTWORK: CURRENT LOCATION EXISTING CONDITIONS IMAGES

UALBRKMAN.



LOADING DOCK UNIT: MECHANICAL ROOF DEMOLITION PLAN (NOT TO SCALE)

UALB RKNAM



NEW ROOF ELECTRICAL: ROOF POWER PLAN (NOT TO SCALE)

Job Name: System Reference: Date:

OUTDOOR VRF HEAT PUMP WITH HEAT RECOVERY SYSTEM

UNIT OPTION	
☐ Standard Model	PURY-EP240YSNU-A
□ Seacoast (BS) Model	PURY-EP240YSNU-A-BS
ACCESSORIES	
□ Twinning Kit (required)	CMY-R200NCBK
☐ Joint Kit	for details see Pipe Accessories Submittal
□ BC Controller (required)	for details see BC Controller Submittals
□ Low Ambient Kit	for details see Low Ambient Kit Submittal
□ Snow/Hail Guards Kit	for details see Snow/Hail Guards Kit Submittal
□ Panel Heater Kit	for details see Panel Heater Kit Submittal

Specifications		System	Module 1	Module 2	
Unit Type		PURY-EP240YSNU-A (-BS)	PURY-EP120YNU-A (-BS)	PURY-EP120YNU-A (-BS)	
Nomina	al Cooling Capacity	Btu/h	240,000	120,000	120,000
Nomina	al Heating Capacity	Btu/h	270,000	135,000	135,000
Guaranteed Operating Range *1		Cooling (Outdoor) *2		23~126°F (-5~52°C)	
		Heating (Outdoor) *3	Refer to Module Data	-13~60°F (-25~15.5°C)	
Extended Operating Range *4 Heating (Outdoor)			-25~60°F (-31.5~15.5°C)		
External Dimensions (H x W x D) In. (mm)		In. (mm)	Refer to Module Data	71-5/8 x 48-7/8 x 29-5/32 (1,818 x 1,240 x 740)	71-5/8 x 48-7/8 x 29-5/32 (1,818 x 1,240 x 740)
Net Weight Lbs. (kg)		Lbs. (kg)	1314 (596)	657 (298)	657 (298)
External Finish		Refer to Module Data	Pre-coated galvanized steel sheet (+powder coating for -BS type) <munsell 1="" 5y="" 8=""></munsell>		
Electrica	al Power Requirements	Voltage, Phase, Hertz		3-phase 3-wire 460 V ±10% 60 Hz	
Minimum Circuit Ampacity (MCA)		A	Refer to Module Data	19	19
Maximum Overcurrent Protection (MOP)		A		30	30
Recommended Fuse Size		A		30	30
Recommended Minimum Wire Size		AWG (mm)		10 (5.3)	10 (5.3)
Short-ci	ircuit Current Rating (SCCR)	kA		5	5
Piping Diameter (Brazed) (In. / mm) Liquid (High Pressure) Gas (Low Pressure)		7/8 (22.2) Brazed (1-1/8 (28.58) Brazed for the part that exceeds 65 m)			
		Gas (Low Pressure)	1-3/8 (34.93) Brazed	Refer to System Data	
Max. Total Refrigerant Line Length		Ft.	3,936		
Max. Refrigerant Line Length (Between ODU & IDU)		Ft.	541		
Max. Co	ontrol Wiring Length	Ft.	1,640		
Indoor Unit		Total Capacity	50~150% of outdoor unit capacity	Defecto System Date	
IIIddoi C	Offic	Model / Quantity	P05~P96/2~50	Refer to System Data	
Sound Pressure Levels		dB(A)	63.0/65.0	Refer to System Data	
Sound Power Levels		dB(A)	83.0/83.5		
	ype x Quantity			Propeller fan x 2	Propeller fan x 2
Fan	Airflow Rate	CFM	Refer to Module Data	8,300	8,300
External Static Pressure		In. WG		Selectable; 0, 0.12, 0.24, 0.32 in.WG; factory set to 0 in.WG	
Compressor Operating Range		7.5% to 100%	Refer to System Data		
Compressor Type x Quantity		Refer to Module Data	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	
Refrigerant		Refer to Module Data	R410A 17 lbs + 10 oz (8.0 kg)	R410A 17 lbs + 10 oz (8.0 kg)	
		High Pressure		High pressure sensor, High press	sure switch at 4.15 MPa (601 psi)
		Inverter Circuit (Comp. / Fan)	Refer to Module Data	Over-heat protection, Over-current protection	
		Fan Motor		Over-current protection	
EER		11.7 / 12.2			
		IEER	23.9 / 27.4	Refer to System Data	
		COP	3.46 / 3.58		
		SCHE	22.9 / 26.8		

- NOTES:
 Nominal cooling conditions (Test conditions are based on AHRI 1230) Indoor: 80°FD.B.187°FW.B.
 (26.7°CD.B.31°9.4°CW.B.), Outdoor: 90°FD.B. (35°CD.B.)
 Nominal healting conditions (Test conditions are based on AHRI 1230) Indoor: 70°FD.B. (21.1°CD.B.),
 Outdoor: 47°FD.B. 24°FW.B. (25°CD.B.7.1°CW.B.)

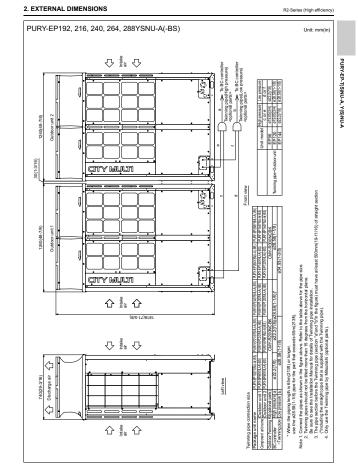
 Outdoor: 47°FD.B. 25°CD.B.7.1°CW.B.
 Individual module requires a separate electrical connection. Refer to electrical data for each individual module.

- Hearth weather environments may demand performance enhancing equipment. As your Missibial Electric representative for more details about your region
 For details on extended cooling operation range down to -10° F DB, see Low Ambient Kit Submittal
 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
 Unit will continue to operate in extended operating range, but capacity is not guaranteed

Specifications are subject to change without notice.

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Outdoor Unit: PURY-EP240YSNU-A (-BS) - DIMENSIONS



SEACOAST PROTECTION

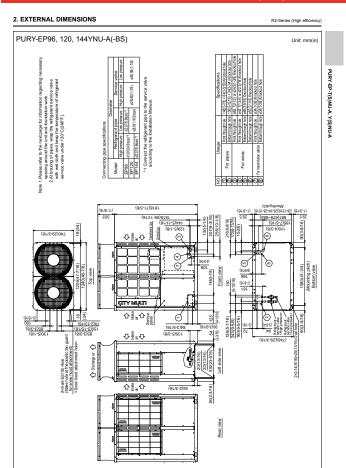
- Anti-corrosion Protection: A coating treatment is applied to condenser coil for protection from air contaminants.
 Standard: Salt Spray Test Method no unusual rust development to 480 hours.
 Sea Coast (BS): Salt Spray Test Method (JRA) 9002) no unusual rust development to 960 hours.

Specifications are subject to change without notice.

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HEAT PUMP UNITS: CUTSHEETS

Modules 1 and 2: PURY-EP120YNU-A (-BS) - DIMENSIONS



NOTES: SEACOAST PROTECTION

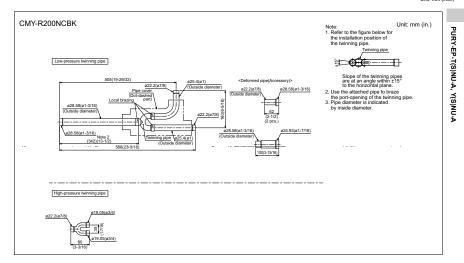
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Twinning Kit: CMY-R200NCBK

Unit: mm (inch)



Note 1. Reference the attitude angle of the twinning pipe below the fig.



- The angle of the twinning pipe is within $\pm 15^{\circ}$ against the horizontal plane.
- 2. Use the attached pipe to braze the port-opening of the twinning pipe.
- Pipe diameter is indicated by inside diameter.
 Only use the Twinning pipe by Mitsubishi (optional parts)

FORM# PUHY-EP96TNU-A (-BS) - 201907

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COOLING & HEATING 1340 Satellite Boulevard. Suwanee, GA 30024 Toll Free: 800-433-4822 www.mehvac.com



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HEAT PUMP UNITS: CUTSHEETS















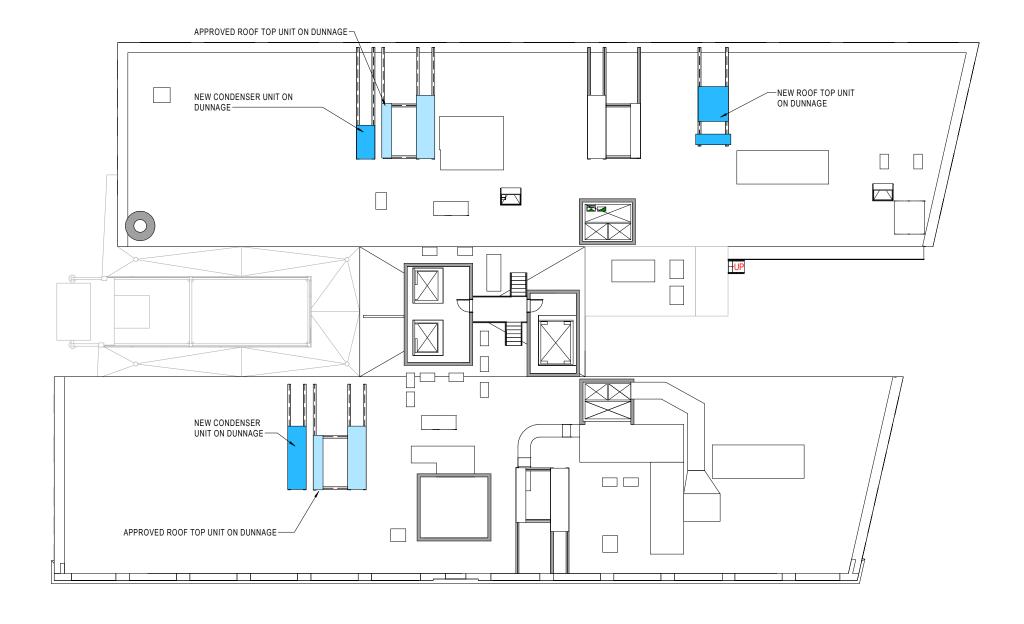
ROOFTOP UNITS: EXISTING CONDITIONS PHOTOS

Proposed RTU (and associated condensers) Location 8.1 MANA NECCO COURT NECCO STREET (D)-(E) 0

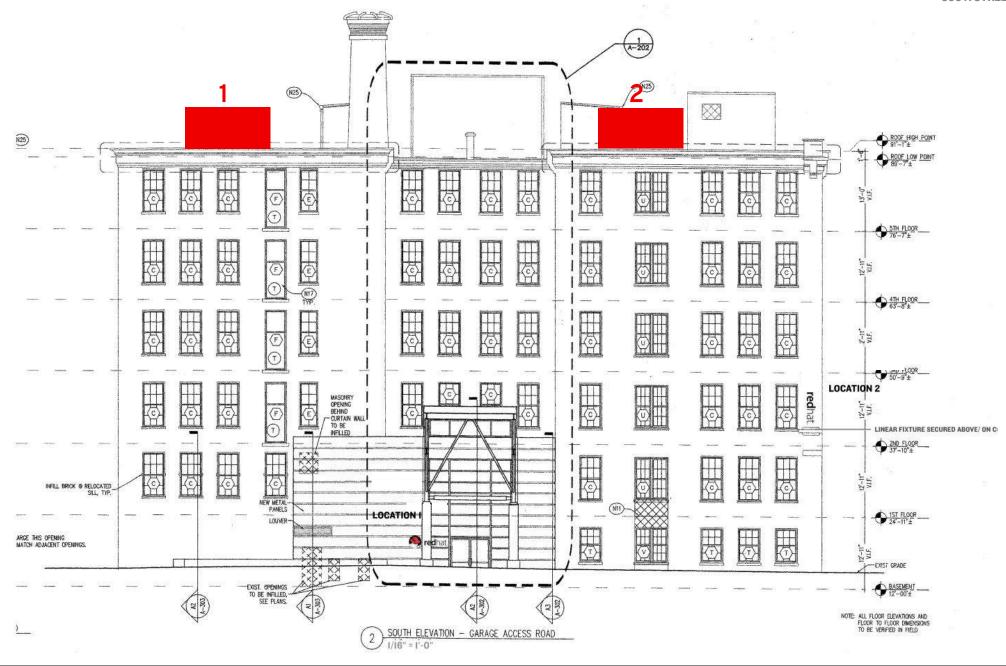


ROOFTOP UNITS: PREVIOUSLY APPROVED ROOFTOP EQUIPMENT REPLACEMENT

dyerbrown.com



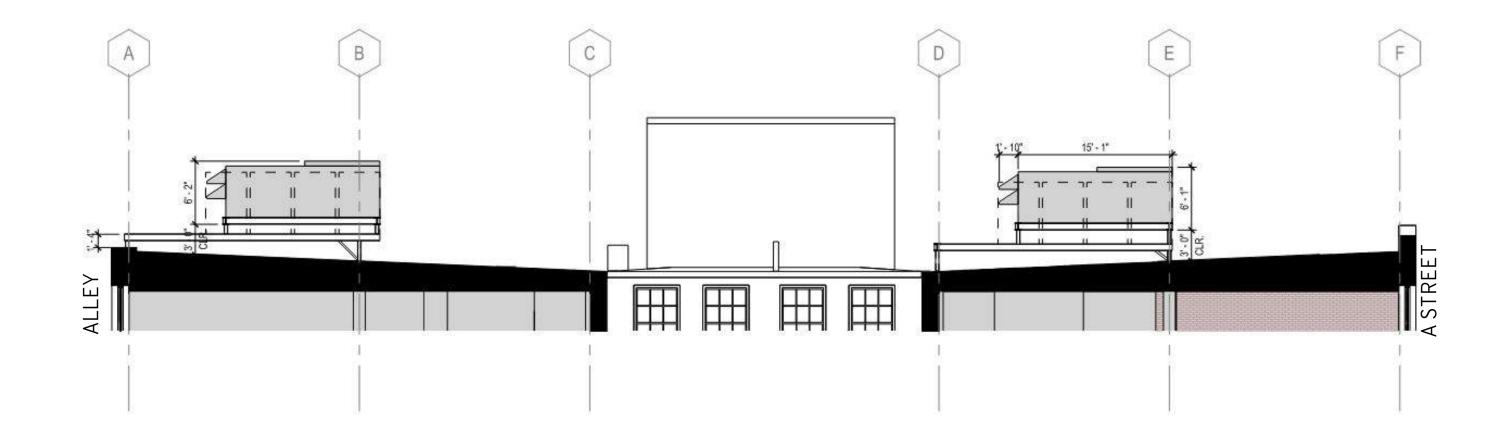
ROOF PLAN: APPROVED NEW ROOFTOP UNITS





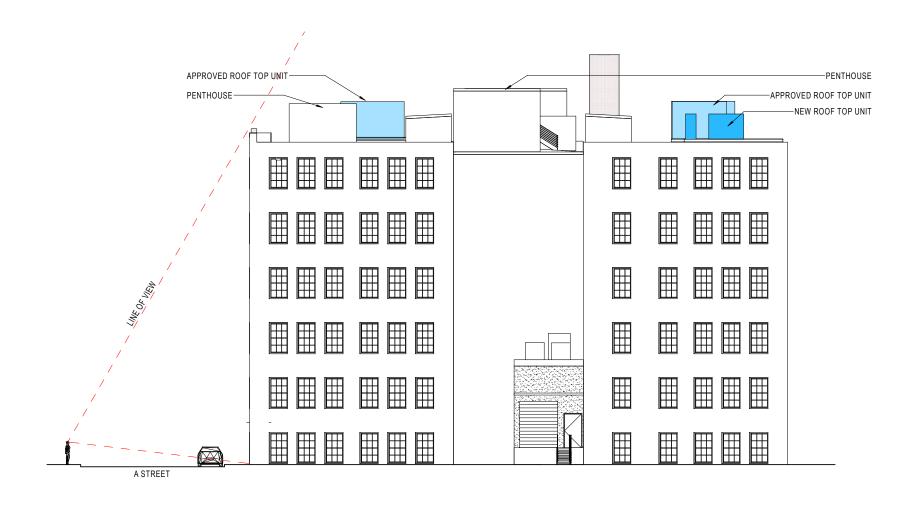
ROOFTOP UNITS: ELEVATION OF PROPOSED UNITS (NOT TO SCALE)

dyer brown & ASSOCIATES, INC.





ROOFTOP UNITS: SECTION OF PROPOSED UNITS (NOT TO SCALE)



ROOFTOP UNITS: VIEWING ANGLE (NOT TO SCALE)

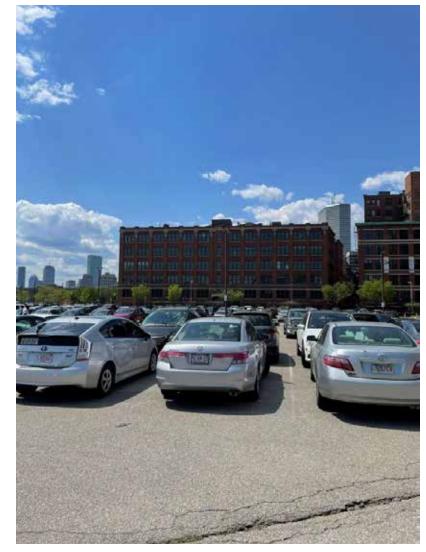








ROOFTOP UNITS: PROPOSED ROOFTOP EQUIPMENT REPLACEMENT



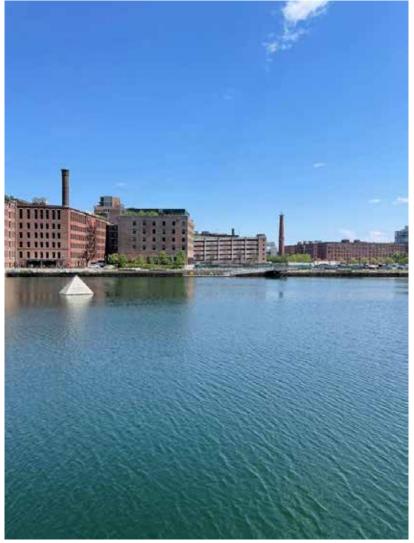
Proposed Location View from Parking Lot south of A Street



Proposed Location

View from Parking Lot south of A Street (Zoom 5x)





Proposed Location View from Summer Street Bridge



Proposed Location

View from Summer Street Bridge (Zoom 5x)



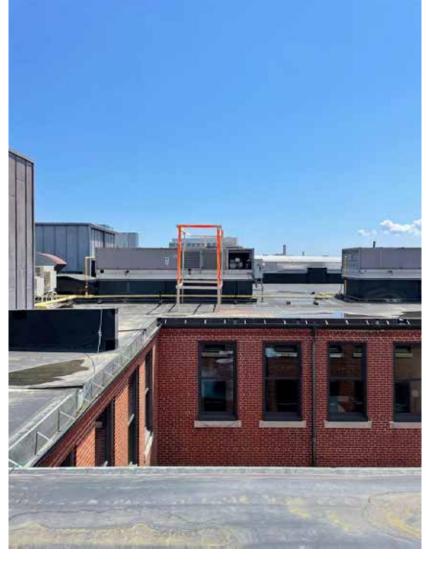






UNIT 1







UNIT 2



OVERVIEW DRAWINGS CONDENSING FAIRS CONDENSING FAIRS CONTROL CENTER OUTDOOR AIR BLETT SUPPLY BLOWER OUTDOOR AIR BLETT OUT



ROOFTOP UNITS: PROPOSED ROOFTOP EQUIPMENT CHANGES - CUTSHEET

Left End

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Right End

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