15 ARLINGTON STREET, BOSTON, MA 02116 **BBAC SUPPLEMENTAL FILING**

TAJ BOSTON

AUGUST 20, 2019





HIGHGATE DEFREY DEFREY DEFREY BEERS CHAMPALIMAUD CRJA Who cbt















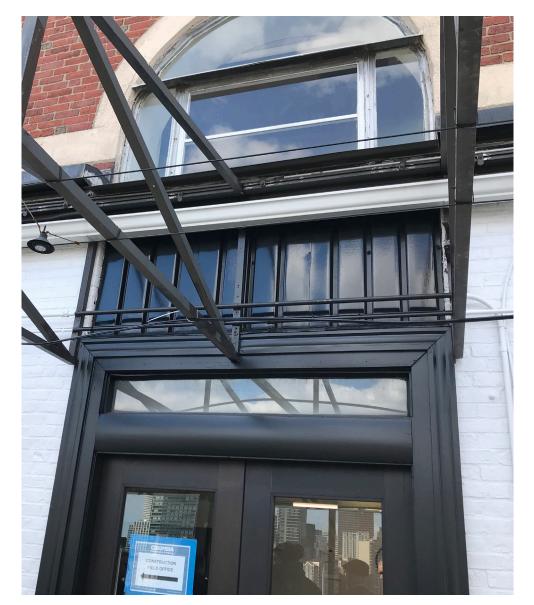




EXISTING ROOFTOP PHOTOGRAPHS - GENERAL SCOPE OF WORK



1. REMOVE AND REPLACE EXISTING ROOF STRUCTURE



2. REPLACE WINDOWS AND RESTORE EXTERIOR

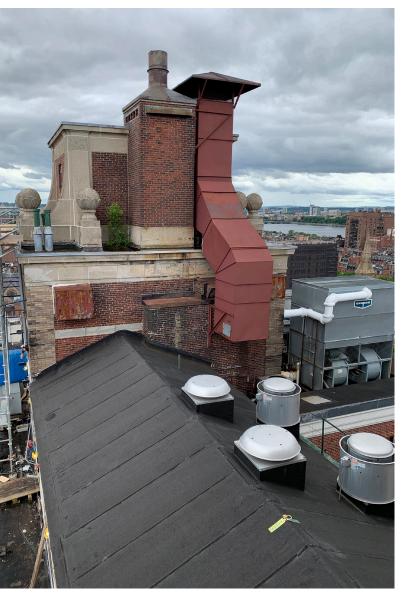






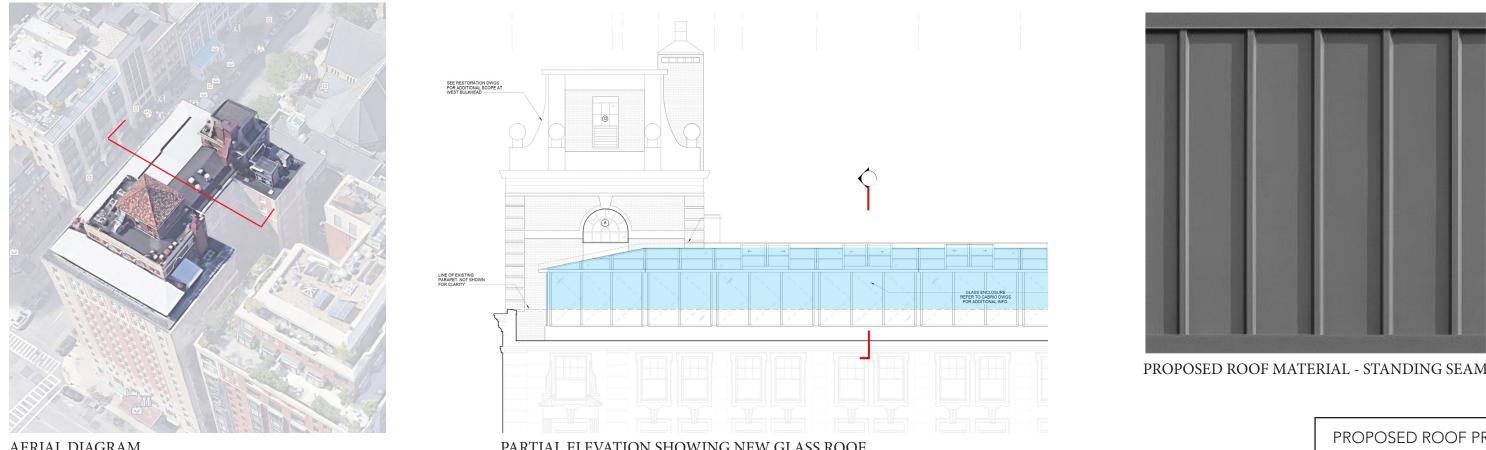
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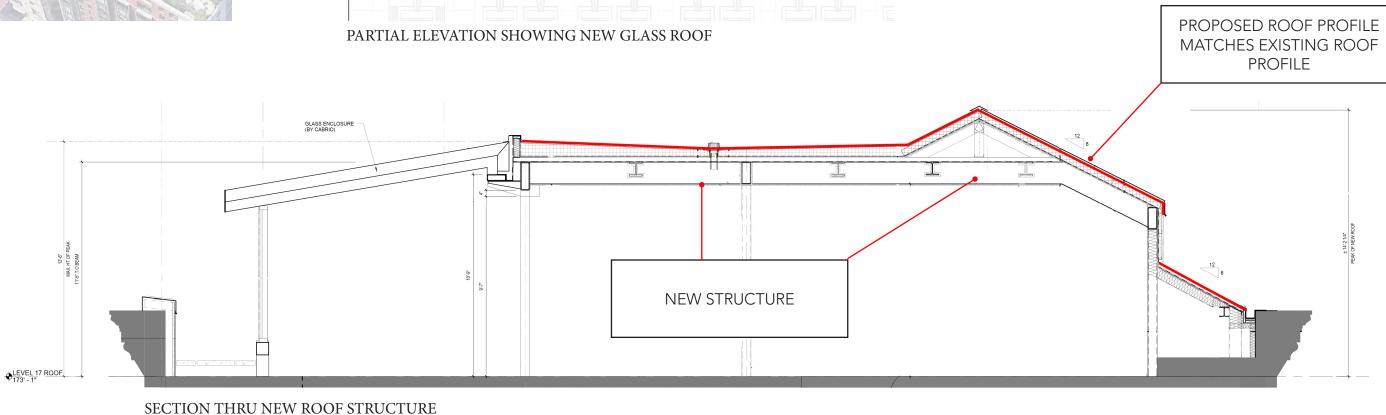
3. REMOVE AND REPLACE ROOFTOP EQUIPMENT

1. ARCHITECTURAL SECTION SHOWING NEW ROOF STRUCTURE



AERIAL DIAGRAM

PARTIAL ELEVATION SHOWING NEW GLASS ROOF









PROPOSED ROOF MATERIAL - STANDING SEAM METAL

2. WINDOW REPLACEMENT - EXISTING PHOTOS



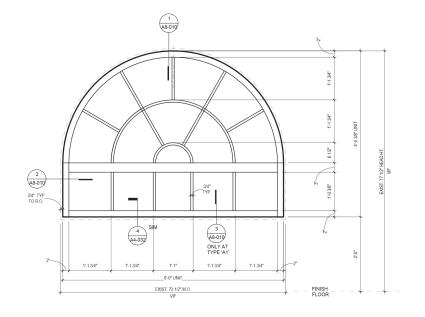


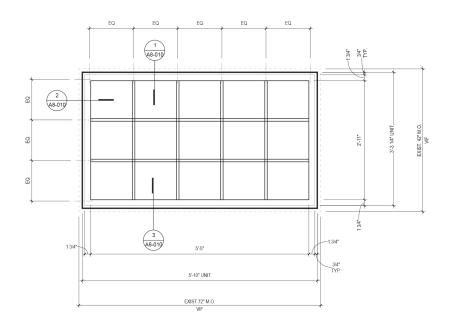


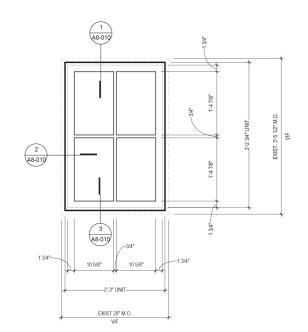


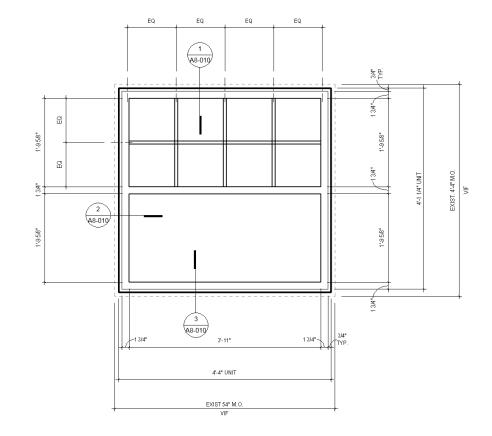


2. WINDOW REPLACEMENT - ELEVATIONS











SAMPLE IMAGE SHOWING SATIN BLACK WINDOW MULLIONS AND MUNTINS







2. WINDOW REPLACEMENT - VIEWS

Peerless GSH3/GDH3

Single Hung/Double Hung **Tilt Thermal Aluminum Window** AW-PG50-H/AW-PG50-H

BENEFITS

ARCHITECT

Energy Savings

Single Hung

• U Value below .35 national standards

• CRF above 65 ensures reduced condensation Double Hung

- Unique .358 U Value for AW double hung tilt
- CRF above 62 ensures reduced condensation

Design Flexibility

• Unique frame design allows for multiple selection of glass types to meet low U values

Paint Color Choice

- Exterior and interior colors can be different
- PPG Duranar standard or anodize paint colors

BUILDING OWNER

Building Security

- Automatic sill locks engage when closing
- Unique tilt latch design resist tampering

Low Maintenance

- Tested to AAMA 'Life Cycle' specifications
- Class 5 balances for many years of operation



INSTALLER

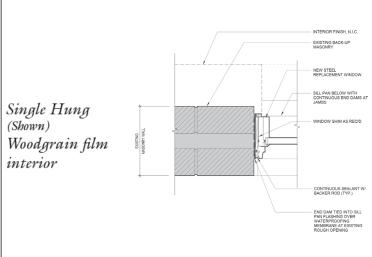
Frame Choices

- Continuous head/sill/jamb eliminate mullions
- Flange designs can eliminate field trimming

Flush-back Master Frames

- Result in ideal parallel-sided caulk joints
- Reduce the need for large caulk backer rods

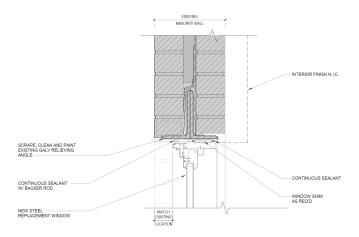




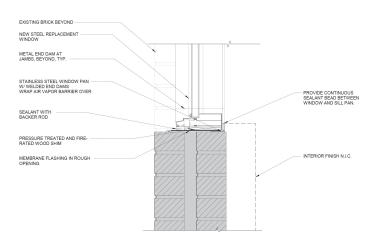








HEAD DETAIL



SILL DETAIL

2. RESTORATION - PHOTOS OF EXISTING





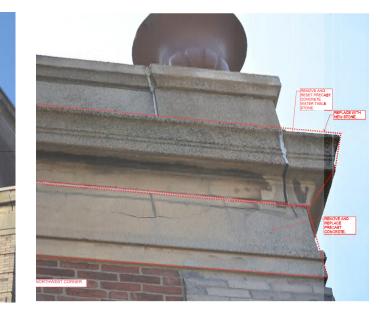




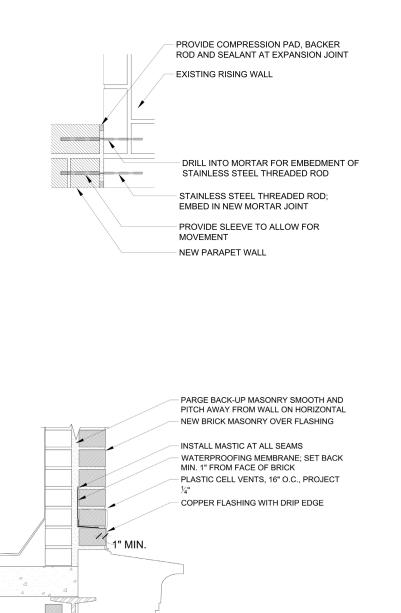








2. RESTORATION



7. THROUGH WALL FLASHING

3" = 1'-0"

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ROOF PLAN \bigcirc .o O \oplus

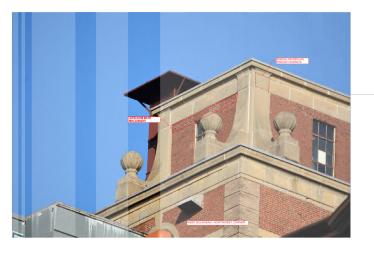
LEGEND

ZZZZZLINTEL REPLACEMENT

- FACE BRICK REPLACEMENT
- CUT AND POINT MORTAR JOINTS
- PRE CAST CONCRETE REPLACEMENT
- REMOVE EXISTING FLASHING/SEALANT
- STONE PATCH
- STONE CRACK REPAIR
- CI CRACK IN INTERIOR /
- SIDE RETURN
- MISSING TILE ANCHOR REMOVAL
- X NOTE TO NUMBER

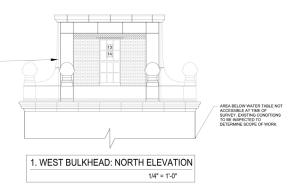
GENERAL NOTES (Refer to Details Where Applicable)

- 1. POWER WASH ALL PRECAST CONCRETE, REMOVE SEALANT AND COAT WITH CONPRO LASTIC COATING AS MANUFACTURED BY CONPROCO. CUT AND POINT ALL CAST CONCRETE JOINTS, UNLESS UNIT IS BEING REPLACED.
- CUT AND POINT ALL SKYWARD FACING JOINTS AT WATER TABLES, CORNICES AND COPINGS. REPLACE WITH NEW BACKER ROD AND SEALANT.
- REMOVE EXISTING ASPHALT FROM PRECAST CONCRETE 3. SURFACES - LIMITED/ISOLATED LOCATIONS AT BULKHEAD UPPER ROOF PARAPETS.
- DECORATIVE GLOBES: PAINT EXPOSED FERROUS ANCHORS AT ALL PRECAST CONCRETE DECORATIVE GLOBES. COAT ANCHORS WITH LIQUID ROOFING PATCHES, CUT AND POINT ALL JOINTS. COAT ALL PRECAST CONCRETE SURFACES WITH CONPRO LASTIC
- COATING AS MANUFACTURED BY CONPROCO. EAST BULKHEAD: REPAIR SELECTIVE COPPER URN BASES - SEE 5.
- DRAWINGS. REMOVE PAINT AND COAT WITH TNEMEC PAINT ON ALL COPPER URNS. 6. SCRAPE, PRIME AND PAINT ALL EXPOSED EXISTING STRUCTURAL
- STEEL DURING COURSE OF CONSTRUCTION. PROVIDE SHOP DRAWINGS FOR ALL REPLACEMENT STONE.
- PROVIDE SHOP DRAWINGS FOR ALL REPLACEMENT SHEET METAL.
- PROVIDE PRODUCT DATA AND SAMPLE (FOR COLOR MATCHING) 9. SUBMITTALS FOR REVIEW AND APPROVAL BY ARCHITECT AND CONSULTANT FOR ALL MATERIALS INCLUDING BUT NOT LIMITED TO MORTAR, SEALANT, PAINT, PRECAST CONCRETE.
- WHERE NOTED FOR REMOVE AND RESET, CAREFULLY REMOVE 10. MATERIAL, GENTLY CLEAN IF NOTED, AND STORE IN A SAFE AND DRY MANNER UNTIL TIME TO RESET.
- 11. AREAS AS NOTED MUST BE MADE ACCESSIBLE TO ARCHITECT FOR
- CLOSE-UP INSPECTION AS IT WAS NOT AVAILABLE FOR SURVEY. 12. SEE ARCHITECT OF RECORD'S DRAWINGS FOR NEW ROOFING
- SCOPE AT BULKHEADS AND MAIN PENTHOUSE ROOF.
 EXISTING STEEL WINDOWS TO REMAIN: SCRAPE, PRIME, AND PAINT STEEL WINDOW FRAME, AND REPLACE GLAZING PUTTY ON
- WINDOWS AS NOTED. 14. REMOVE AND REPLACE PERIMETER SEALANT ON EXISTING STEEL
- WINDOWS TO REMAIN



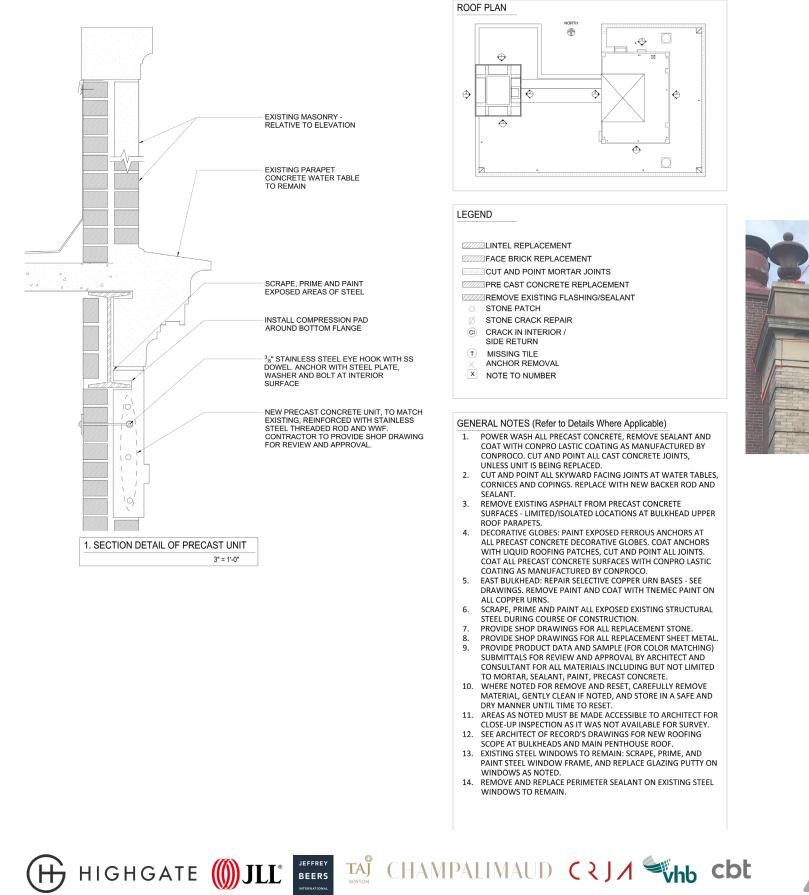


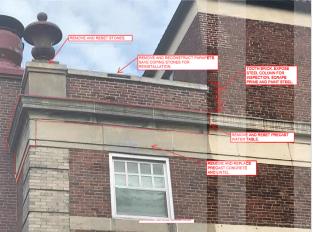




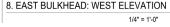


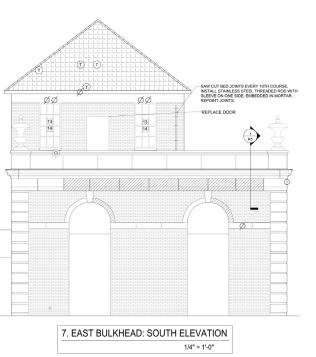
2. RESTORATION













3. MECHANICAL EQUIPMENT - EXISTING CONDITIONS











AERIAL VIEW - EXISTING

FLR 17 - EXISTING SHED

FLR 17 - PROPOSED EQUIPMENT



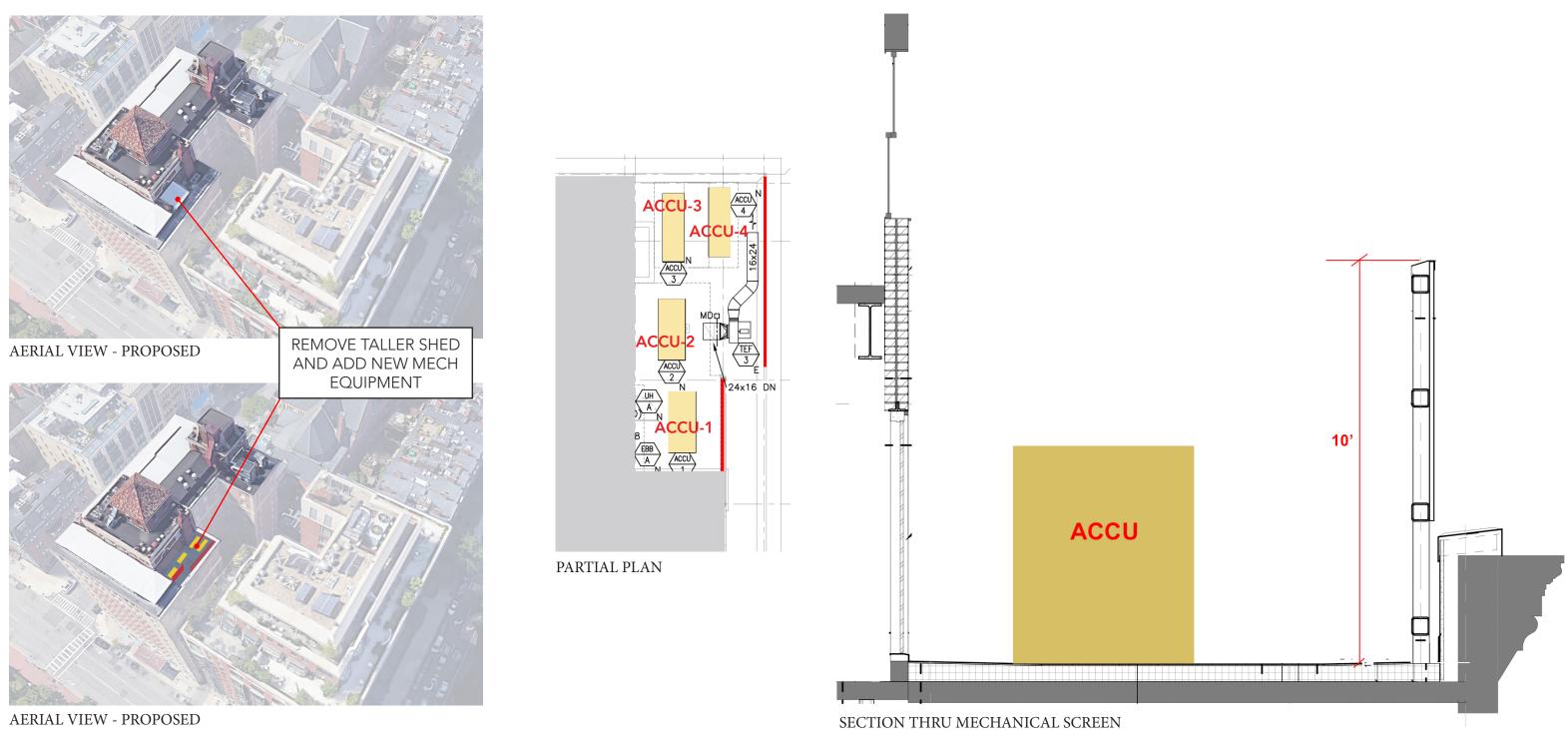








3. ROOF PLAN - LEVEL 17 EQUIPMENT

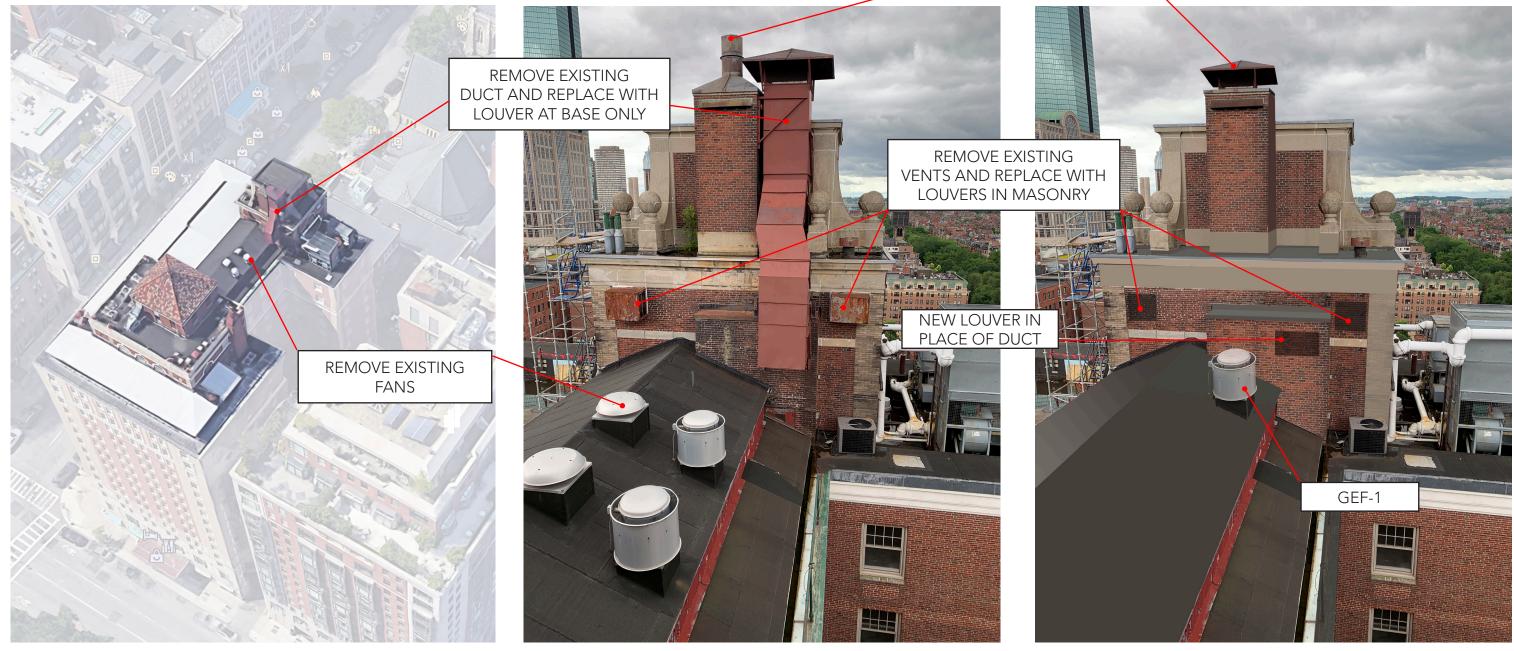


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3. ROOF PLAN - LEVEL 18

REMOVE EXISTING CHIMNEY CAP AND REPLACE FOR ADDITIONAL AIR FLOW REQUIREMENTS



AERIAL VIEW - EXISTING

FLR 18 - EXISTING EQUIPMENT TO REMOVE



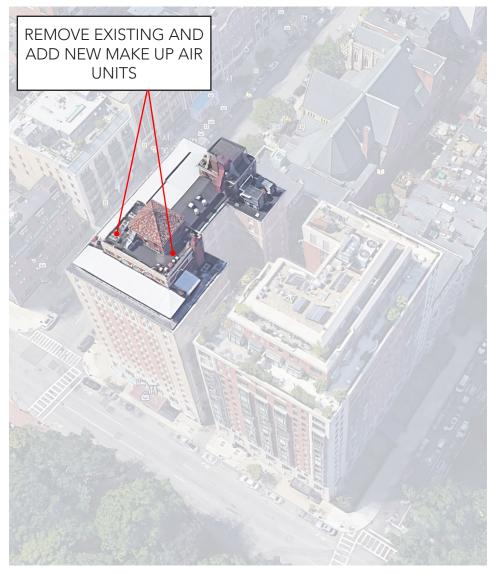




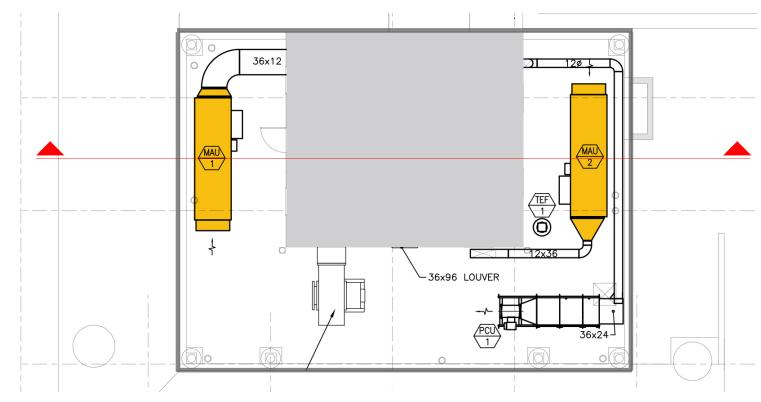


FLR 18 - PROPOSED ROOF PLAN VIEW

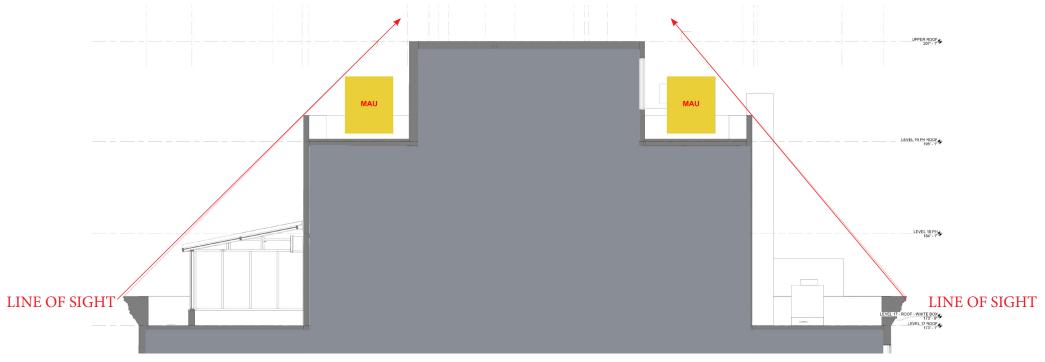
3. ROOF PLAN - LEVEL 19



AERIAL VIEW - EXISTING



PROPOSED PLAN DIAGRAM



PROPOSED SECTION DIAGRAM









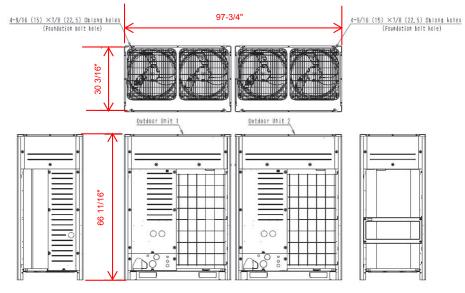
ACCU-3 & ACCU-4

Submittal Data Sheet

20-Ton VRV-IV Heat Recovery Unit - 460V REYQ240TYDN

SYSTEM DETAILS			
Refrigerant Type:	R-410A	Cooling Operation Range (°F DB):	23 - 122
Holding Refrigerant Charge (lbs):	25.8+25.8	Heating Operation Range (°F WB):	-13 - 60
Additional Charge (lb/ft):		Max. Pipe Length (Vertical) (ft):	295
Pre-charge Piping (Length) (ft):		Cooling Range w/Baffle (°F DB):	-
Max. Pipe Length (Total) (ft):	540	Heating Range w/Baffle (°F WB):	-
Max Height Separation (Ind to Ind ft):			

DIMENSIONAL DRAWING



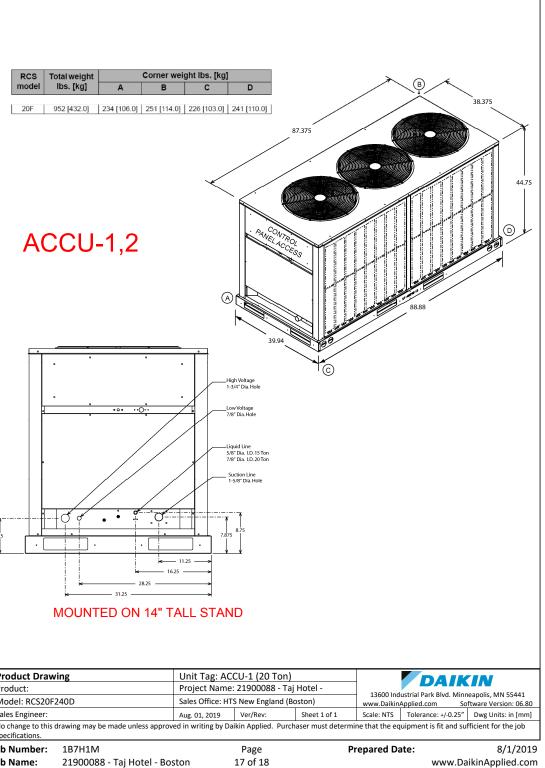
MOUNTED ON 14" TALL STAND

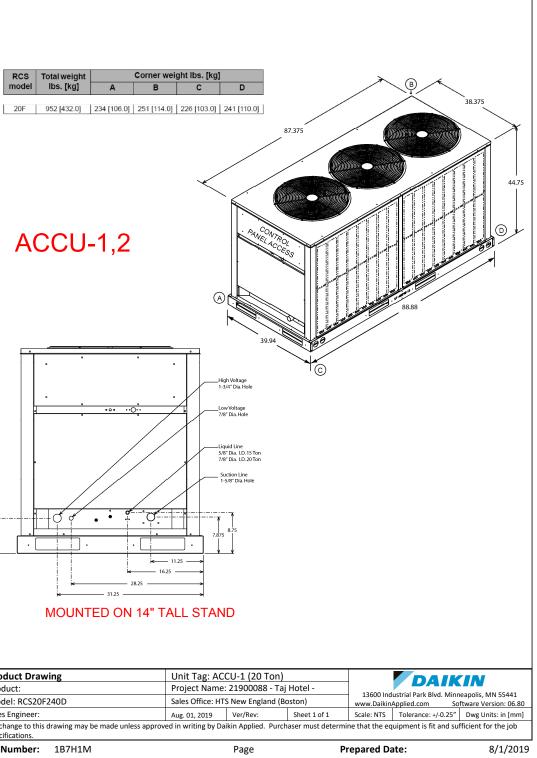
Daikin North America LLC, 5151 San Felipe, Suite 500, Houston, TX, 77056 Daikin City Generated Submittal Data www.daikinac.com www.daikincomfort.com (Daikin's products are subject to continuous improvements. Daikin reserves the right to modify product design, specifications and information in this data sheet without notice and without incurring any obligations)

Page 3 of 3



RCS15F_Drawing for ACCU-1 (20 Ton)





Product Draw	ing	Unit T	
Product:		Project	
Model: RCS20F2	240D	Sales O	
Sales Engineer:			
No change to this of specifications.	rawing may be made unless approv	ed in writ	
Job Number:	1B7H1M		
Job Name:	21900088 - Taj Hotel - Bos	ston	







Model: CUBE-300HP-30 Belt Drive Upblast Centrifugal Roof Exhaust Fan

Dimension	al
Quantity	1
Weight w/o Acc's (lb)	225
Weight w/ Acc's (lb)	271
Max T Motor Frame Size	215
Roof Opening (in.)	32.5 x 32.5

2.1

1.8

1.5

wg)

ure Pressu 6.0

9.0 Static

0.3

0.0

0

Performance	ce
Requested Volume (CFM)	5,826
Actual Volume (CFM)	5,826
Total External SP (in. wg)	1.5
Fan RPM	817
Operating Power (hp)	2.58
Elevation (ft)	30
Airstream Temp.(F)	70
Air Density (lb/ft3)	0.075
Drive Loss (%)	4.5
Tip Speed (ft/min)	6,523
Static Eff. (%)	56

Motor	
Motor Mounted	Yes
Size (hp)	3
Voltage/Cycle/Phase	460/60/3
Enclosure	ODP
Motor RPM	1725
Windings	1
NEC FLA* (Amps)	4.8

 \bigcirc Fan curve _..._

Sound Power by Octave Band

Sound Data	62.5	125	250	500	1000	2000	4000	8000	LwA	
Inlet	80	82	84	78	73	71	69	64	81	

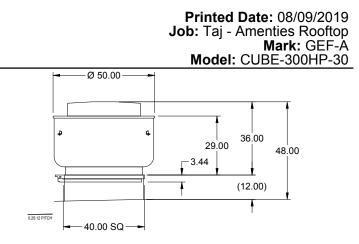
CAPS 4.29,1685



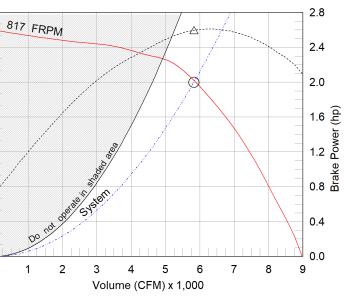




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OVERALL HEIGHT MAY BE GREATER DEPENDING ON MOTOR.



Operating Bhp point Operating point at Total External SP

- System curve

----- Brake horsepower curve

Notes:



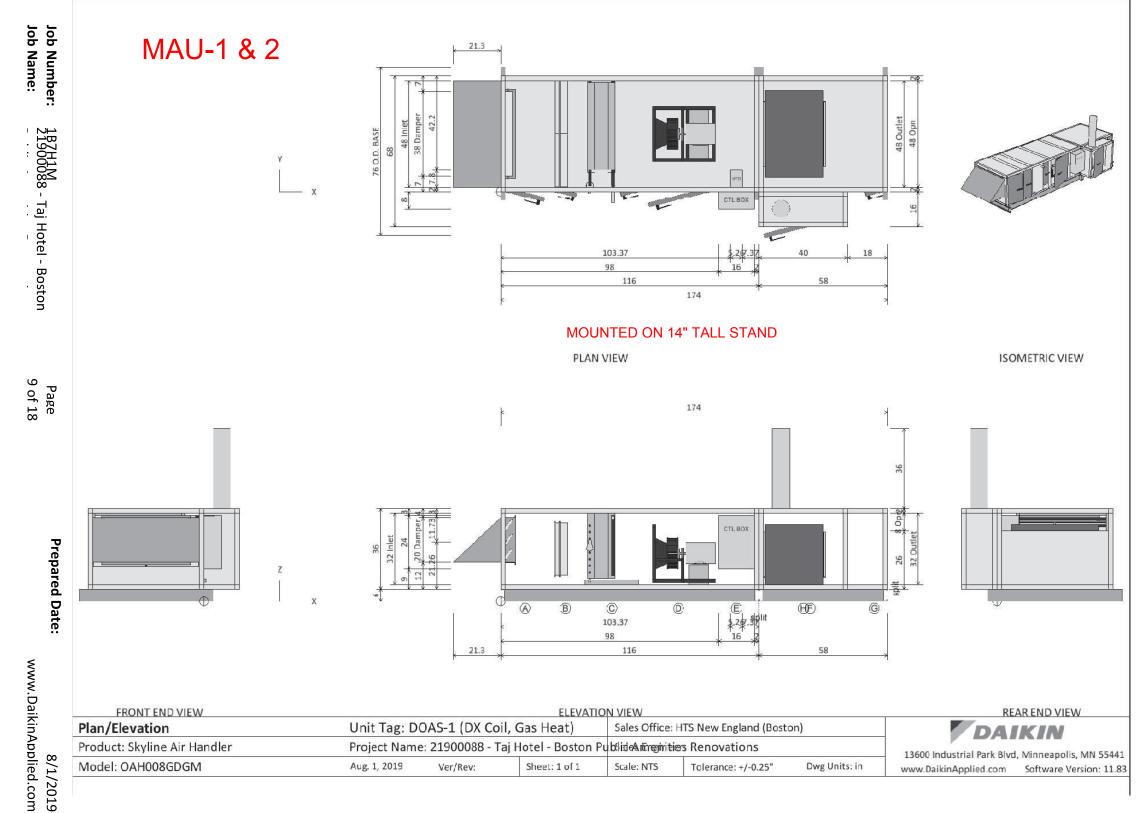
All dimensions shown are in units of in. "NEC FLA - based on tables 430,248 or 430,250 of National Electrical Code 2014. Actual motor FLA may vary, for sizing thermal overload, consult factory. LWA - A weighted sound power level, based on ANSI S1.4 dBA - A weighted sound pressure level, based on 11.5 dB attenuation per Octave band at 5 ft - dBA levels are not licensed by AMCA International Sones - calculated using AMCA 301 at 5 ft



SOUND

AMCA WORLDWID CERTIFIED RATINGS

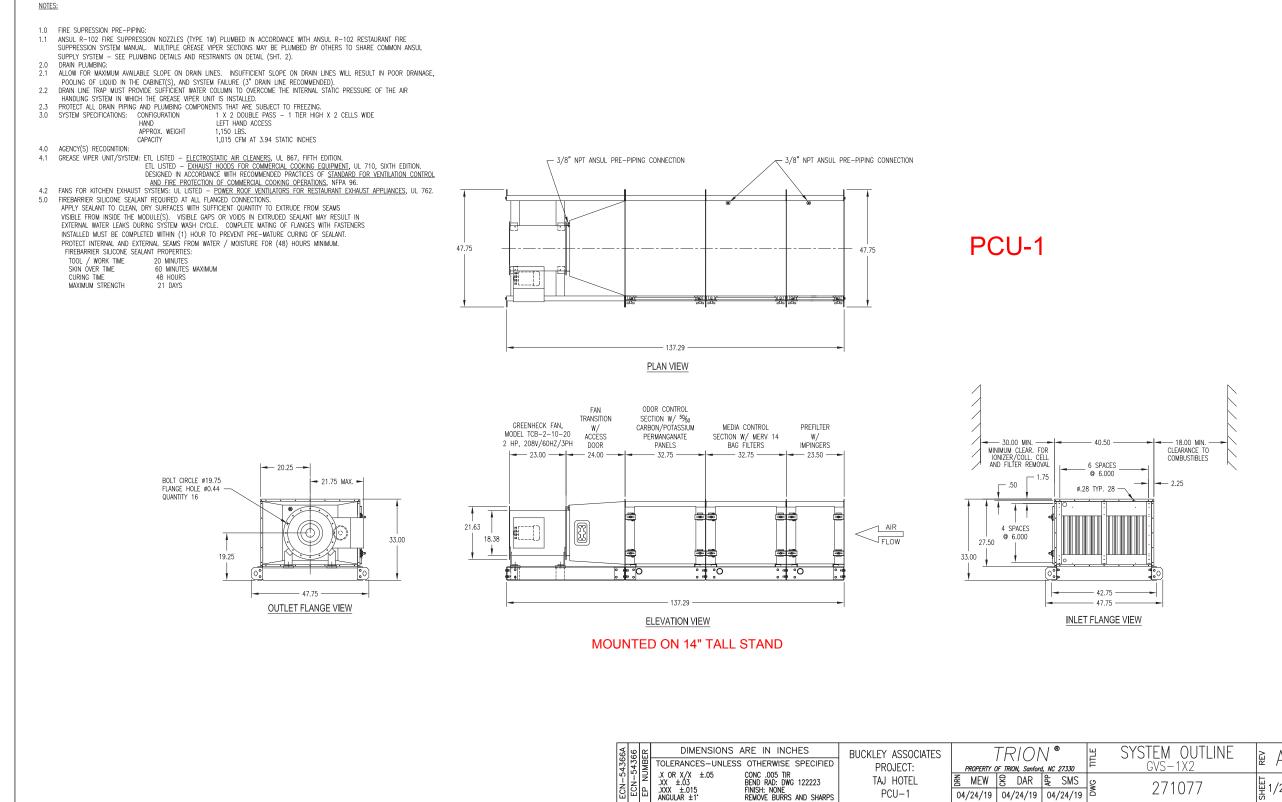
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HIGHGATE () JLL BEERS CHAMPALIMAUD CRJ/ whb cbt



Drawing for DOAS-1 (DX Coil, Gas Heat)



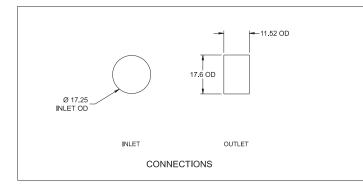


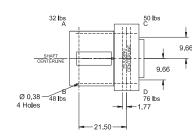
SOCIATES CT:	TRION ® PROPERTY OF TRION, Sanford, NC 27330			TITLE	SYSTEM OUTLINE GVS-1X2	A KE
TEL	룸 MEW 04/24/19	용 DAR 04/24/19	⊈ SMS 04/24/19	DWG	271077	1/2
1	04/24/19	04/24/19	04/24/19	-		S



Printed Date: 06/04/2019 Job: TAJ HOTEL BOSTON MA Mark: TEF-3 Model: USFD-116-BI

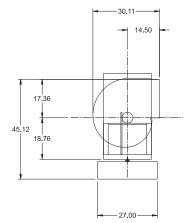
Model: USFD-116-BI



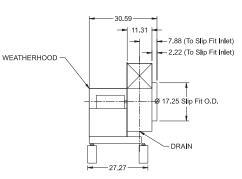


TEF-3

FAN FOOTPRINT



SIDE VIEW "SIDE VIEW IS VIEWED FROM DRIVE SIDE "DISCHARGE POSITION CAN <u>NOT</u> BE MODIFIED IN FIELD "FANS ARE SUBJECT TO ± 125 INCH TOLERANCE "DUE TO CONTINUAL IMPROVEMENTS DIMENSIONS MAY CHANGE



END VIEW



TEF-A

Model: CUE-099-VG Direct Drive Upblast Centrifugal Roof Exhaust Fan

Dimension	al
Quantity	1
Weight w/o Acc's (lb)	37
Weight w/ Acc's (lb)	69
Optional Damper (in.)	12 x 12
Roof Opening (in.)	14.5 x 14.5

1.2

0.9

wg)

jn. <u></u> 0.6

e	Performance
700	Requested Volume (CFM)
700	Actual Volume (CFM)
0.75	Total External SP (in. wg)
1529	Fan RPM
0.17	Operating Power (hp)
30	Elevation (ft)
70	Airstream Temp.(F)
0.075	Air Density (lb/ft3)
4,478	Tip Speed (ft/min)
48	Static Eff. (%)

Static Eff. (%)	48	
Motor		0.0
Motor Mounted	Yes	0
Size (hp)	1/4	
Voltage/Cycle/Phase	115/60/1	
Enclosure	ODP	
Motor RPM	1725	Far
Windings	1	Sys
FLA (Amps)	2.85	Bra

Sound Pow	er by	Octav	e Ban	d	-	_	_				
Sound Data	62.5	125	250	500	1000	2000	4000	8000	LwA	dBA	So
Inlet	73	71	71	66	62	61	57	48	69	58	8

CAPS 4.29.1685

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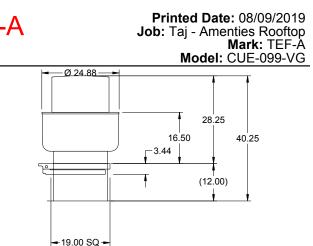
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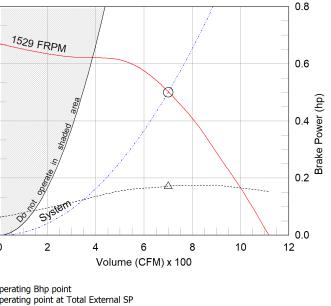




Notes: All dimensions shown are in units of in.



OVERALL HEIGHT MAY BE GREATER DEPENDING ON MOTOR.



an curve stem curve Brake horsepower curve

Notes:

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Sones	LwA - A weighted sound power level, based on ANSI S1.4 dBA - A weighted sound pressure level, based on 11.5 dB attenuation per Octave band at 5 ft - dBA levels are not
8.8	licensed by AMCA International
	Sones - calculated using AMCA 301 at 5 ft



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