MATRIX
ENVIRONMENTAL ENGINEERS, PLLC
Remediation, Water Treatment and Environmental Engineering
716.662.0745 | www.matrixbiotech.com

January 14, 2025

Wendi Y. Zheng
NYSDEC Region 2
4740 21st Street
Long Island City, NY 11101

RE: IRM Addendum Letter #3
Former Cleaner Sales & Equipment Corp. Site
135 Kent Avenue
Brooklyn, NY 11249
NYSDEC Site No. C224177

Dear Ms. Zheng:

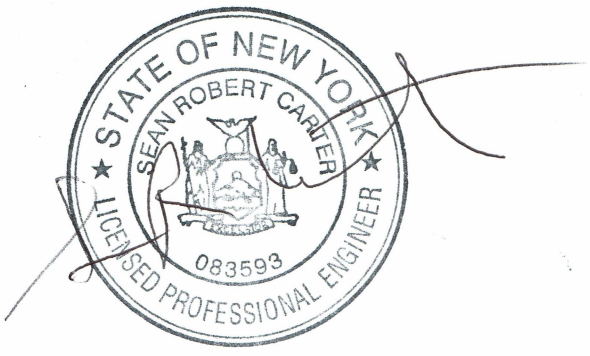
A sub-slab depressurization system (SSDS) is operating at the Site. The SSDS includes an Ametek Rotron regenerative blower (EN656M72XL) and carbon treatment system located in a treatment room on the first floor of the building. The blower and carbon will be moved from the treatment room to the roof of the building as part of first-floor renovations scheduled to begin in February 2025. This work is described in Section 2.4.2 of the August 6, 2024 Engineering Control Modifications Work Plan prepared by Integral Engineering P.C. and approved by the NYSDEC. Figure 1 from Integral is attached showing the proposed rooftop location. Elevated Engineering NYC evaluated the existing roof structure in the hallway below the proposed rooftop location to support the load of the enclosure and equipment, and certified in a January 7, 2025 letter that the roof framing is capable of withstanding the load.

The blower and carbon treatment system will be installed in an aluminum frame sound-reducing weatherproof enclosure manufactured by ArtUSA Industries, Inc. The enclosure, as shown in the attached schematic, includes a 2-inch thick floor panel set on a 0.56-inch thick vibration damping pad (specifications attached), air intake and exhaust hoods, electric wall-mount heater and removable side panels for access to the equipment. To ensure the selected enclosure would be effective for noise control, Integral Engineering collected sound data on September 30, 2024. The existing blower measured 86 dB and the sound transmission loss rating of the enclosure is 37 dB. Based on this data the expected sound from the rooftop enclosure will be approximately 49 dB, below the outdoor ambient noise level of 58-62 dB measured on the roof of the building. Therefore, the rooftop enclosure is expected to be effective for noise control by reducing sound from the operating blower to below ambient levels.

If you have any questions, please contact me.

Sincerely,
Matrix Environmental Engineers, PLLC

Sean R. Carter, P.E.
Principal Engineer



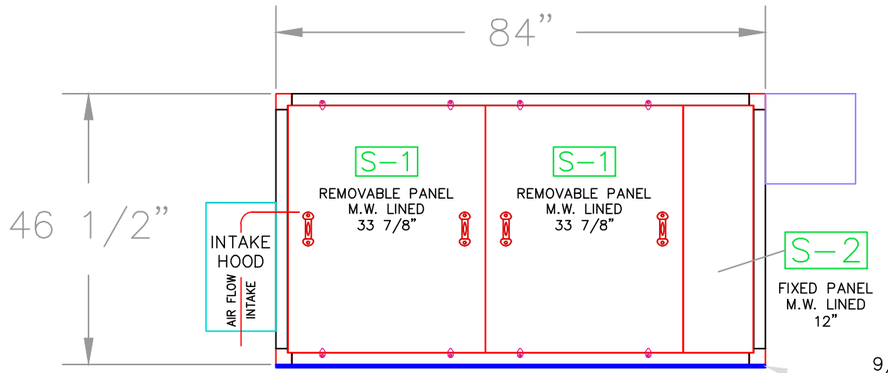
cc: Jason Giller, 135 Kent Avenue LLC
Robert M. Bennett, Rock Enviro

Attachments: Figure 1 from Integral Engineering
ArtUSA Industries, Inc. enclosure schematic
Vibration damping pad specifications

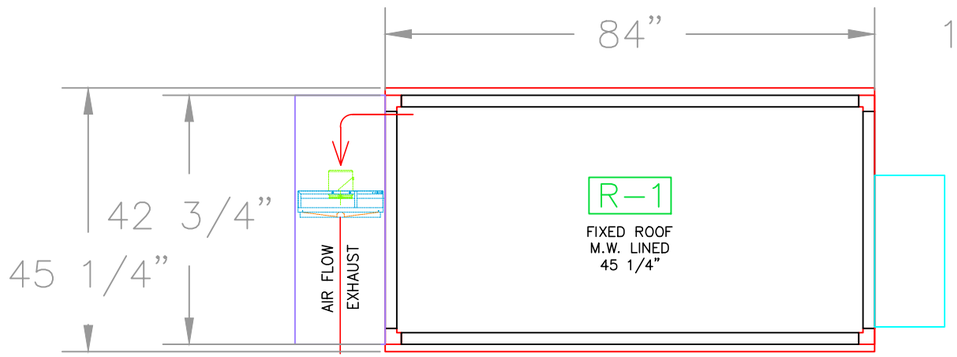
integral engineering p.c.

Figure 1.
Proposed SSDS Rooftop Location with Second Floor Layout
135 Kent Avenue, Brooklyn, NY

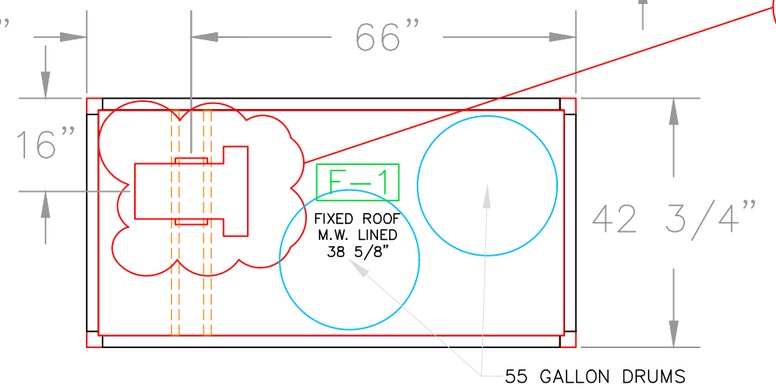
11066-0



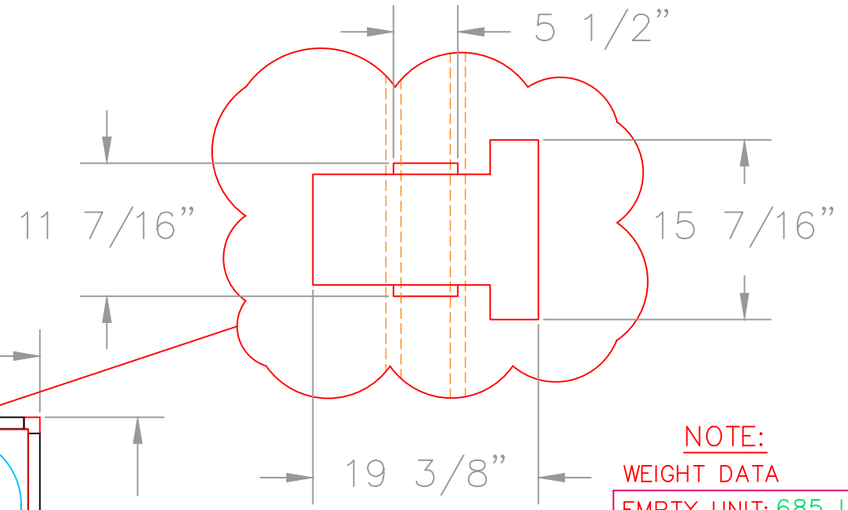
BACK VIEW



TOP VIEW



BOTTOM VIEW



NOTE:

WEIGHT DATA

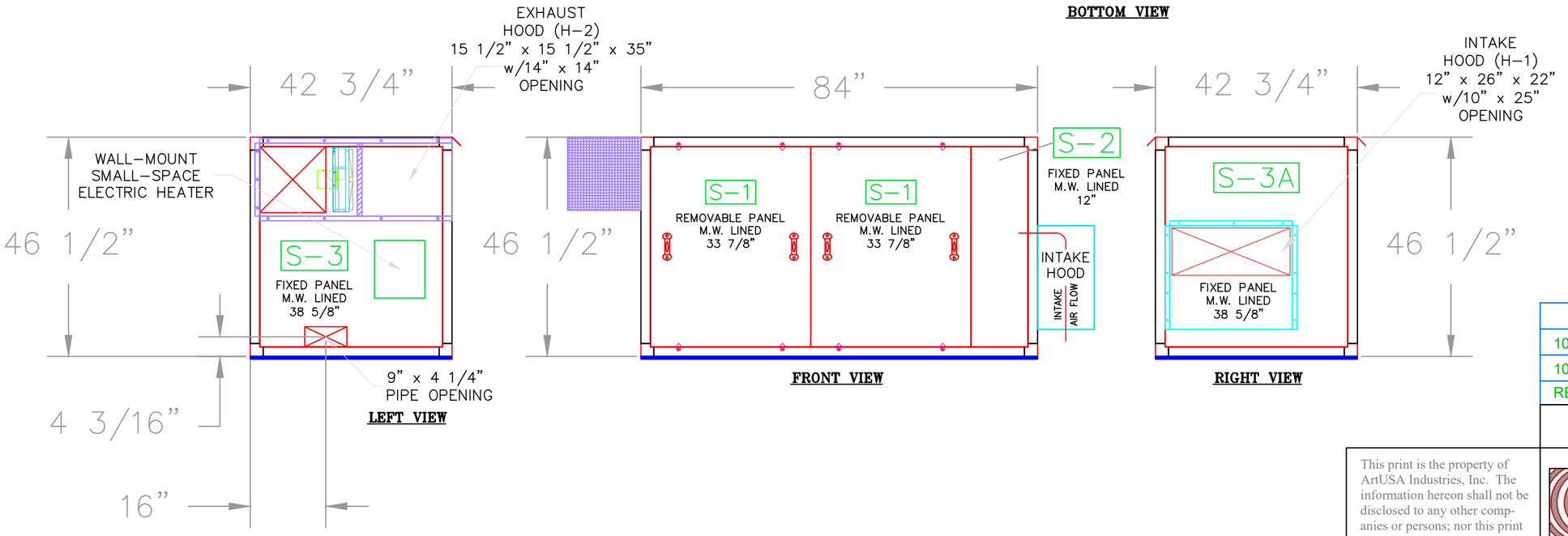
EMPTY UNIT:	685 LBS
w/ BLOWER+DRUMS:	1,765 LBS

HEATER DATA

T-STAT	
Voltage:	120V
Current:	12.5A

FAN MOTOR DATA

Motor HP:	1/15 HP
Voltage:	115V
Current:	0.6A



LEFT VIEW

FRONT VIEW

RIGHT VIEW

		QA Check
☒	ASSEMBLED	
☐	UNASSEMBLED	

		QA Check
☒	PAINTED (7035)	
☐	GALVANIZED	

INSULATION		QA Check
☒	M.W. (MINERAL WOOL)	
☒	PERFORATED LINER	

REV. NO.	DESCRIPTION OR E.C.NUMBER	DATE	BY
1056	PRODUCTION	11/19/24	JTB
1052	CUSTOMER CHANGES	11/13/24	JTB

ArtUSA Industries, Inc.

The Name to Know for Noise Control

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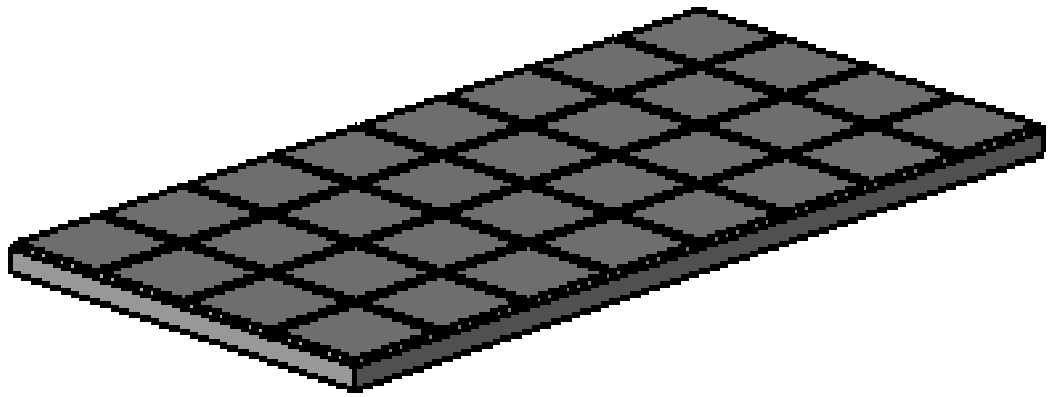
DATE 11/11/24	TITLE (1)NOISE ENCLOSURE PO# 091724692R2		
SCALE NONE	DR.BY JTB	CUSTOMER DOUBLE U DEVEL	SIZE B
DWG.NO. 11066-0	REV. 2	SHT. 1 OF 4	

Vibration-Damping Pad, Rectangle, Recycled Rubber, 9/16" Thick

Shape	Rectangle
Material	Recycled Rubber
Texture	Rough
Length	23"
Width	11 1/2"
Thickness	9/16"
Capacity per Mounting Point	225 psi
Deflection @ Capacity	0.5"
Hardness	Durometer 55A
Hardness Rating	Medium
Color	Black
Temperature Range	-20° F to 200° F
Mount Type	Rest On
Country of Origin	United States
DFARS Compliance	Specialty Metals COTS-Exempt
ECCN	EAR99
REACH Compliance	Not Compliant
RoHS Compliance	RoHS 3 (2015/863/EU) Compliant
Schedule B Number	400811.0000
USMCA Qualifying	No

These vibration-damping pads resist abrasion and tears, providing excellent durability. Place pads under equipment to minimize vibration and noise transmitted to and from machinery.

Recycled Rubber—Recycled rubber pads have a higher capacity for heavier equipment than natural rubber pads. They have excellent oil and weather resistance.



ArtUSA Noise Control Products Inc.
(404) 421-5348

www.NoiseControlProducts.com