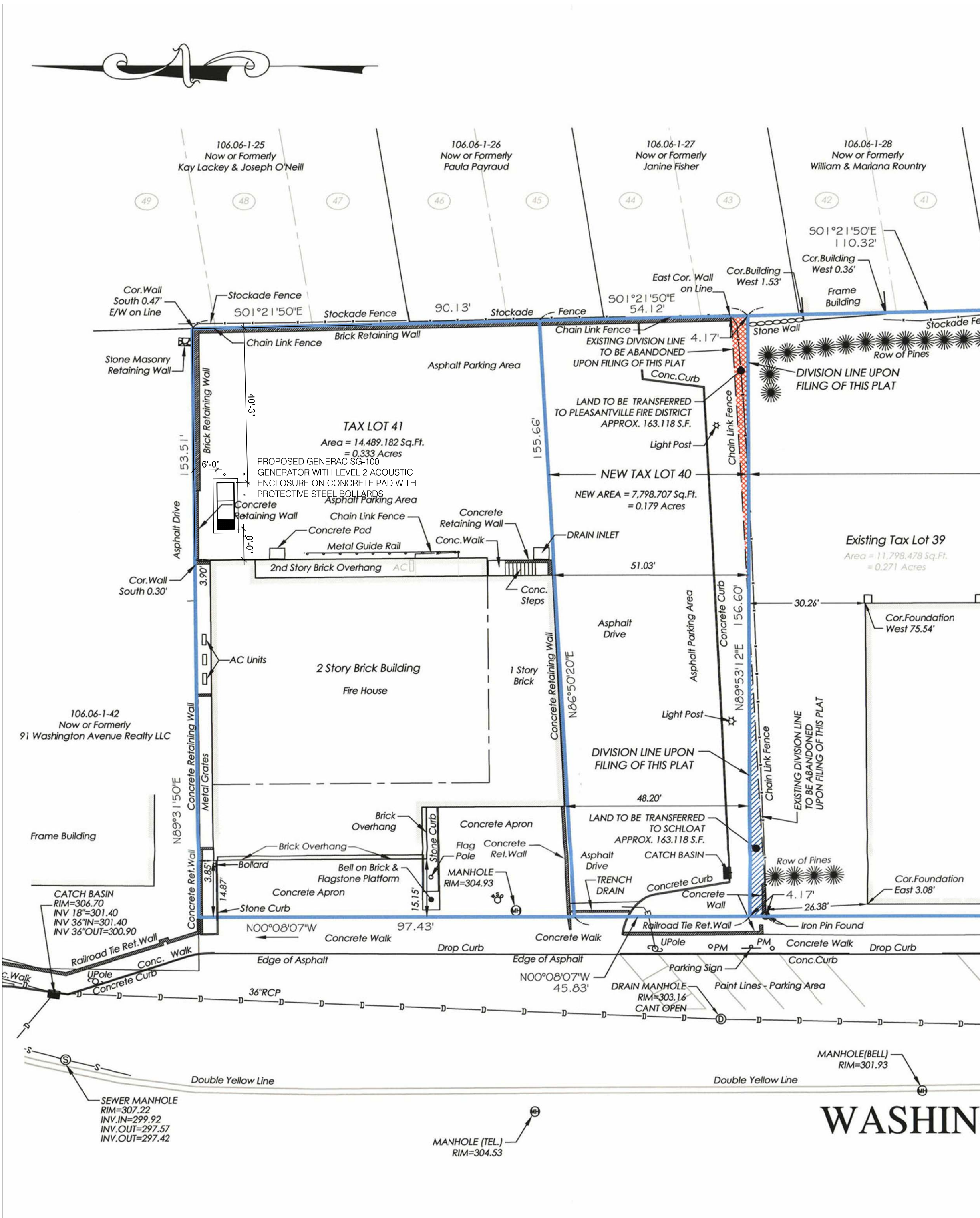
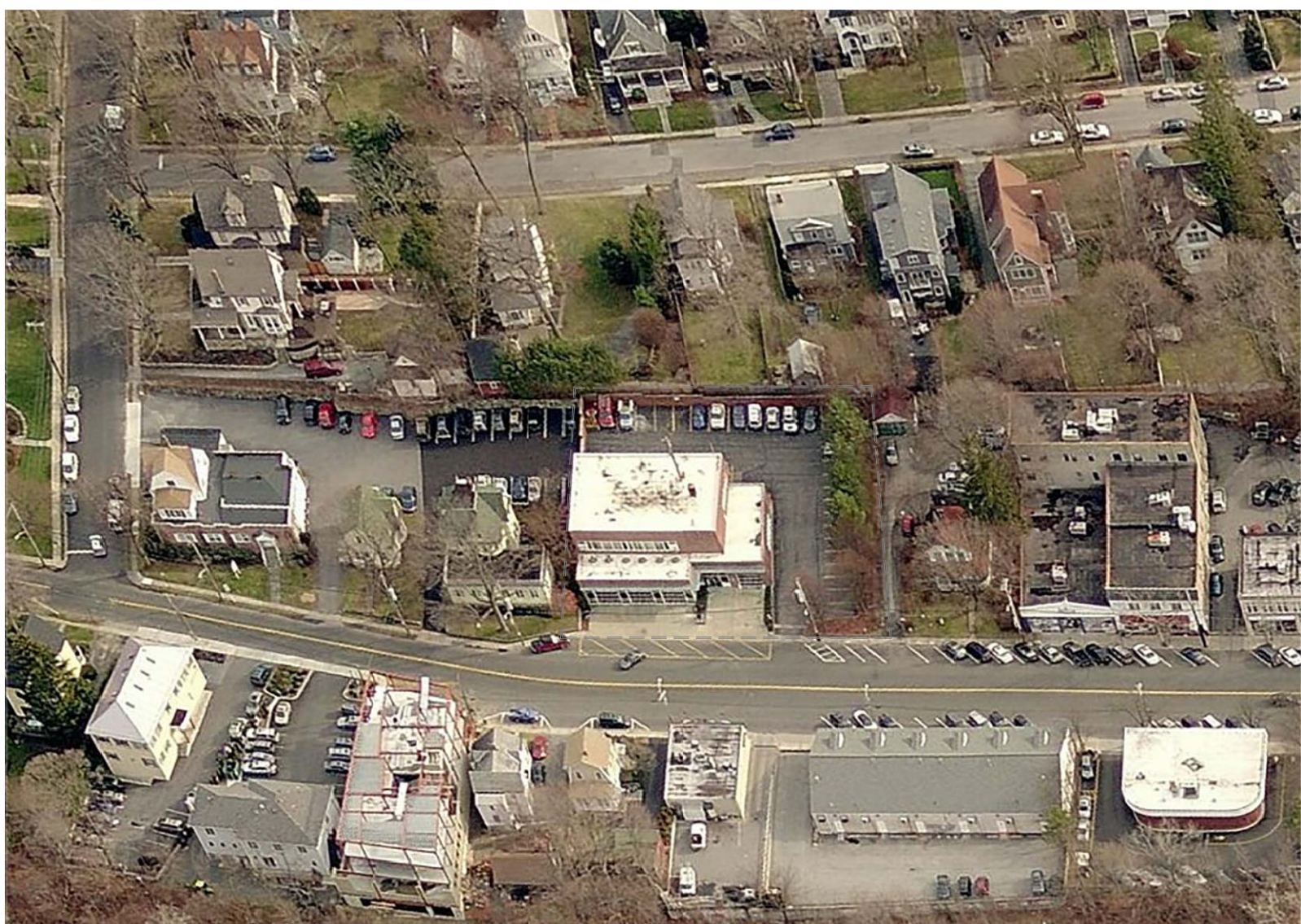




1 SITE PLAN
A-001
1"= 20'

THIS SITE PLAN IS BASED ON INFORMATION TAKEN FROM SURVEY PREPARED BY TC MERRITT'S LAND SURVEYORS DATED AUGUST 31, 2017



2 AERIAL VIEW/LOCATION
A-001

SD100 | 6.7L | 100 KW
INDUSTRIAL DIESEL GENERATOR SET
EPA Certified Stationary Emergency

DIMENSIONS AND WEIGHTS*

OPEN SET			
RUN TIME HOURS	USABLE CAPACITY GAL (L)	L x W x H in (mm)	WT lbs (kg) - Tank & Open Set
NO TANK	-	110 (2794) x 40 (1016) x 65 (1651)	3104 (1438)
12	90 (340.7)	110 (2794) x 40 (1016) x 77 (1955.8)	3813 (1730)
30	220 (832.8)	110 (2794) x 40 (1016) x 89 (2265.4)	4146 (1881)
48	330 (1243.4)	110 (2794) x 40 (1016) x 101 (2565.4)	4488 (2036)
70	510 (1930.6)	110 (2794) x 40 (1016) x 105 (2667)	4469 (2029)
81	589 (2229.6)	128 (3251.2) x 49 (1244.6) x 107 (2717.8)	4948 (2244)
95	689 (2623.3)	138 (3454.4) x 62 (1549.2) x 107 (2717.8)	4667 (2117)
STANDARD ENCLOSURE			
RUN TIME HOURS	USABLE CAPACITY GAL (L)	L x W x H in (mm)	WT lbs (kg) - Enclosure Only
NO TANK	-	133 (3378) x 42 (1066) x 64 (1626.8)	Steel Aluminum
12	90 (340.7)	133 (3378) x 42 (1066) x 77 (1955.8)	
30	220 (832.8)	133 (3378) x 42 (1066) x 89 (2265.4)	
48	330 (1243.4)	133 (3378) x 42 (1066) x 101 (2565.4)	500 (227)
70	510 (1930.6)	133 (3378) x 42 (1066) x 105 (2667)	
81	589 (2229.6)	133 (3378) x 49 (1244.6) x 107 (2717.8)	
95	689 (2623.3)	133 (3378) x 53 (1346) x 107 (2717.8)	
LEVEL 1 ACOUSTIC ENCLOSURE			
RUN TIME HOURS	USABLE CAPACITY GAL (L)	L x W x H in (mm)	WT lbs (kg) - Enclosure Only
NO TANK	-	154 (3912) x 40 (1016) x 64 (1626.8)	Steel Aluminum
12	90 (340.7)	154 (3912) x 40 (1016) x 77 (1955.8)	
30	220 (832.8)	154 (3912) x 40 (1016) x 89 (2265.4)	
48	330 (1243.4)	154 (3912) x 40 (1016) x 101 (2565.4)	
70	510 (1930.6)	154 (3912) x 47 (1184) x 105 (2667)	750 (340)
81	589 (2229.6)	154 (3912) x 49 (1244.6) x 107 (2717.8)	
95	689 (2623.3)	154 (3912) x 53 (1346) x 107 (2717.8)	
LEVEL 2 ACOUSTIC ENCLOSURE			
RUN TIME HOURS	USABLE CAPACITY GAL (L)	L x W x H in (mm)	WT lbs (kg) - Enclosure Only
NO TANK	-	145 (3688) x 40 (1016) x 81 (2057)	Steel Aluminum
12	90 (340.7)	145 (3688) x 40 (1016) x 84 (2134)	
30	220 (832.8)	145 (3688) x 40 (1016) x 118 (2997)	
48	330 (1243.4)	145 (3688) x 47 (1184) x 122 (3099)	1000 (451)
70	510 (1930.6)	145 (3688) x 47 (1184) x 122 (3099)	
81	589 (2229.6)	145 (3688) x 49 (1244.6) x 124 (3150)	
95	689 (2623.3)	145 (3688) x 53 (1346) x 124 (3150)	

*All measurements are approximate and for estimation purposes only. Sound dBA can be found on the sound data sheet. Enclosure only weight is added to Tank & Open Set weight to determine total weight.

Specification characteristics may change without notice. Dimensions and weights are for preliminary purpose only. Please consult a Generac Power Systems Inc. Dealer for detailed installation drawings.

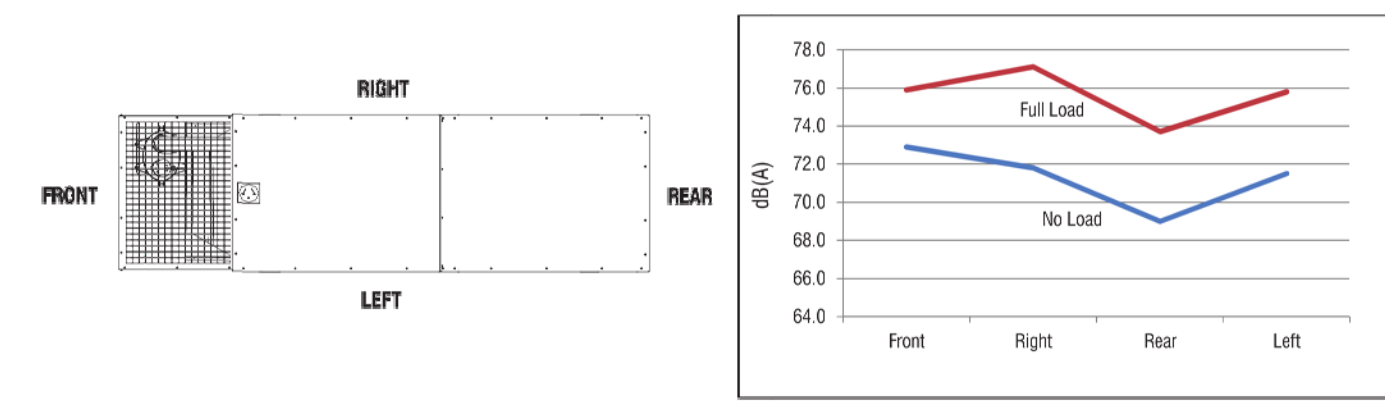
Generac Power Systems, Inc. | P.O. Box 8 | Waukesha, WI 53187
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Part No. 0K5003
Rev. C 08/08/15

LEVEL 2 ACOUSTIC ENCLOSURE
SD100 6.7L FPT

60Hz NO-LOAD DATA, dB(A)									
DISTANCE: 7 METERS									
MICROPHONE LOCATION	1/1 OCTAVE BAND CENTER FREQUENCY (Hz)								
	31.5	63	125	250	500	1000	2000	4000	8000
FRONT	40.9	53.2	64.7	70.1	63.2	64.0	59.2	55.8	48.3
RIGHT	36.1	54.6	66.9	67.3	63.3	62.3	56.8	53.9	49.8
REAR	30.9	56.4	63.3	62.8	62.8	60.9	54.0	48.7	43.2
LEFT	37.7	51.7	63.1	67.7	63.5	63.5	60.1	57.0	52.6
AVERAGE	36.4	54.0	64.5	67.0	63.2	62.7	57.5	53.8	48.5

60Hz FULL-LOAD DATA, dB(A)									
DISTANCE: 7 METERS									
MICROPHONE LOCATION	1/1 OCTAVE BAND CENTER FREQUENCY (Hz)								
	31.5	63	125	250	500	1000	2000	4000	8000
FRONT	40.9	59.0	72.0	71.0	65.7	65.2	63.8	58.2	50.5
RIGHT	37.2	59.7	73.0	72.9	65.4	64.8	64.6	58.4	54.0
REAR	34.0	59.9	71.1	65.2	64.4	61.9	62.4	53.4	48.2
LEFT	39.8	56.5	69.9	71.4	65.7	65.7	67.1	61.1	56.9
AVERAGE	38.0	58.8	71.5	70.1	65.3	64.4	64.5	57.8	52.4



- All positions at 23 feet (7 meters) from side faces of generator set.
- Test conducted on a 100 foot diameter asphalt surface.
- Sound pressure levels are subject to instrumentation, installation and testing conditions.

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Part No. 01850508S0
Rev. B 04/16/15

Zone: Central Business A-1

Minimum Side/Rear Yard:
None or 6' if Provided
6' Proposed

Minimum Side/Rear Yard Adjacent
to Residential District:
20'
40'-3" Proposed

Maximum Building Coverage:
80%
29% Proposed

Level 2 Acoustic Enclosure Average
Sound Levels at Property Line (40' from
Rear of Generator)

No Load: 64.1 dB(A)
Full Load: 68.8 dB(A)

Sound Levels at Nearest Residence (110'
from Rear of Generator)

No Load: 60.1 dB(A)
Full Load: 62.2 dB(A)

Approximate dBA Sound
Emission Comparison

- Diesel Locomotive 98
- Busy Restaurant 75
- Shower 70
- Sewing Machine 60
- Whisper 30
- Rustling Leaves 20

Generator is located as close as possible
to building and still allow access to rear
door and full use of the parking lot
for PFD Drills and Apparatus

REVISIONS / DATE:
REVISION OCT 5, 2017

JAMES COLEMAN ARCHITECTURE STUDIO
11 WASHINGTON AVENUE PLEASANTVILLE NEW YORK
WWW.JCOLEMANSTUDIO.COM 914 579 2015

PROJECT / LOCATION:
PLEASANTVILLE FIRE DISTRICT
75 Washington Ave
Pleasantville, New York 10570

DRAWING TITLE:

Emergency Generator

ARCHITECT SEAL & SIGNATURE:

DATE: Sept 12, 2017
SCALE: As Noted
DRAWING NO.: **A-001**

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2 COLLAGE OF PROPOSED INSTALLATION
A-001