

ZONING BOARD OF APPEALS

Town of Orangetown
20 Greenbush Road
Orangeburg, New York 10962
(914) 359-8410 (ex. 4331)

Date: August 12, 2020

TO: OBAPAE

- Environmental Management and Engineering
- Rockland County Sewer District #1
- New York State Dept. of Transportation
- Palisades Interstate Park Commission
- Orange and Rockland Utilities
- Orangetown Highway

- Rockland County Drainage
- Rockland County Health
- Rockland County Planning
- Rockland County Highway

- Fire Prevention (Performance Standards)

Review of Plans: replacement of emergency generator for Verizon, 179 North Middletown Road, Pearl River, NY

Section 68.12 Block 4 Lot 17 CC zone

This matter is scheduled for:

Chapter 43, CC District, Section 4.11, (Performance Standards Review for an emergency generator)

Please review the information enclosed and provide comments. These comments may be mailed , e-mailed or faxed to the Zoning Board Office.

If your Agency does not have any comments at this time, please respond to this office by sending back this sheet.

- US Postal: 20 South Greenbush Road, Orangeburg, NY 10962
- Email to Zoning Board: darbolino@orangetown.com or
- Fax to the Town of Orangetown ZBA @845 359 8526

Zoning Board Meeting Date: October 7, 2020

- () Comments attached
- () No Comments at this time. Please send future correspondence for review.
- () No future correspondence for this site should be sent to this agency. Plans reviewed and this agency does not have any further comments.
- () This project is out of the jurisdiction of this agency and has no further comments.

This project is before the Zoning Board on **Wednesday, October 7, 2020** . **Kindly forward your completed review to this office by October 7, 2020.**

Reviewing Agency _____

Name _____ date: _____

Signature: _____

Thank you, Deborah Arbolino

Name of Municipality: TOWN OF ORANGETOWN Date Submitted: _____

2020 LAND USE BOARD APPLICATION

Please check all that apply:

<input type="checkbox"/> Commercial <input type="checkbox"/> Planning Board <input type="checkbox"/> Zoning Board of Appeals <input type="checkbox"/> Subdivision <input type="checkbox"/> Number of Lots <input type="checkbox"/> Site Plan <input type="checkbox"/> Conditional Use <input type="checkbox"/> Special Permit <input type="checkbox"/> Variance <input type="checkbox"/> Performance Standards Review <input type="checkbox"/> Use Variance <input type="checkbox"/> Other (specify): _____	<input type="checkbox"/> Residential <input type="checkbox"/> Historical Board <input type="checkbox"/> Architectural Board <input type="checkbox"/> Consultation <input type="checkbox"/> Pre-Preliminary/Sketch <input type="checkbox"/> Preliminary <input type="checkbox"/> Final <input type="checkbox"/> Interpretation
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PERMIT#: _____
ASSIGNED
INSPECTOR: _____

Referred from Planning Board: YES / NO
If yes provide date of Planning Board meeting: _____

Project Name: REPLACE EMERGENCY STAND BY GENERATOR

Street Address: 179 N. MIDDLETOWN ROAD, PEARL RIVER, NY

Tax Map Designation:
Section: 68.12 Block: q4 Lot(s): 17
Section: _____ Block: _____ Lot(s): _____

Directional Location:
On the _____ side of _____, approximately _____ feet _____ of the intersection of _____, in the Town of ORANGETOWN in the hamlet/village of _____.

Acreage of Parcel <u>1.58</u> School District _____ Ambulance District _____ Water District _____	Zoning District <u>CCL</u> Postal District _____ Fire District _____ Sewer District _____
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Project Description: *(If additional space required, please attach a narrative summary.)*
REPLACEMENT OF 200KW GENERATOR LOCATED ON 1ST FL. INSIDE BUILDING WITH A 600KW GENERATOR

The undersigned agrees to an extension of the statutory time limit for scheduling a public hearing.
Date: 8/7/2020 Applicant's Signature: _____

APPLICATION REVIEW FORM

Applicant: Frank Muoio Phone # 914 263-5920

Address: 24 N. Greeley Ave Chappaqua NY 10514

Property Owner: Verizon Inc / John Mangan Phone # 917-613-0219

Address: 179 Middletown Rd Pearl River NY

Engineer/Architect/Surveyor: ARTHUR R. BREAUER PE, PLLC Phone # 914-238-5433

Address: 24 N. GREELEY AVENUE CHAPPAQUA NY 10514

Attorney: Phone #

Address: Street Name & Number (Post Office) City State Zip Code

Contact Person: Frank Muoio Phone # 914-263-5920

Address: 24 N Greeley Ave Chappaqua NY 10514

GENERAL MUNICIPAL LAW REVIEW:

This property is within 500 feet of: (Check all that apply)

IF ANY ITEM IS CHECKED, A REVIEW MUST BE DONE BY THE ROCKLAND COUNTY COMMISSIONER OF PLANNING UNDER THE STATE GENERAL MUNICIPAL LAW, SECTIONS 239 L, M, N, AND NN.

- State or County Road, Long Path, Municipal Boundary, State or County Park, County Stream, County Facility

List name(s) of facility checked above:

Referral Agencies:

- RC Highway Department, RC Drainage Agency, NYS Dept. of Transportation, NYS Thruway Authority, Adjacent Municipality, Other, RC Division of Environmental Resources, RC Dept. of Health, NYS Dept. of Environmental Conservation, Palisades Interstate Park Commission

APPLICATION REVIEW FORM

FILL IN WHERE APPLICABLE.

(IF THE FOLLOWING DOES NOT APPLY PLEASE MOVE ON TO THE NEXT PAGE)

If subdivision:

- 1) Is any variance from the subdivision regulations required? _____
- 2) Is any open space being offered? ____ If so, what amount? _____
- 3) Is this a standard or average density subdivision? _____

If site plan:

- 1) Existing square footage _____
- 2) Total square footage _____
- 3) Number of dwelling units _____

If special permit, list special permit use and what the property will be used for.

Environmental Constraints:

Are there **slopes greater than 25%**? If yes, please indicate the amount and show the gross and net area _____

Are there **streams** on the site? If yes, please provide the names. _____

Are there **wetlands** on the site? If yes, please provide the names and type:

Project History:

Has this project ever been reviewed before? ^{NO} _____

If so, provide a narrative, including the list case number, name, date, and the board(s) you appeared before, and the status of any previous approvals.

List tax map section, block & lot numbers for all other abutting properties in the same ownership as this project.

SEE ATTACHED LIST



OFFICE OF BUILDING, ZONING, PLANNING,
ADMINISTRATION AND ENFORCEMENT
TOWN OF ORANGETOWN
20 Greenbush Road
Orangeburg, N.Y. 10962

Jane Slavin, R.A.
Director

(845)359-8410

Fax: (845) 359-8526

DENIAL TO THE ZONING BOARD OF APPEALS

Date: July 17, 2020

Applicant: Verizon John Mangan

Address: 179 N Middletown Rd, Pearl River, NY

RE: Application Made at: same

Chapter 43, Section 4.11 Performance Standards required

Section: 68.12 Block: q4 Lot: 17

Dear Verizon John Mangan:

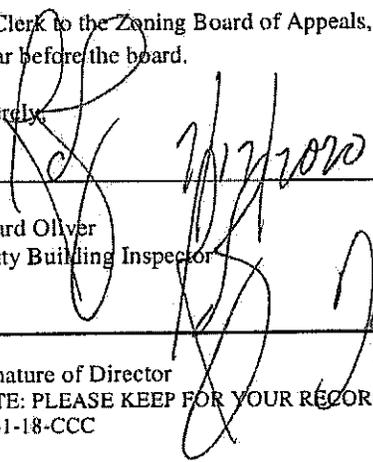
Please be advised that the Building Permit Application, which you submitted on

July 9, 2020, has been denied. I have enclosed a Xerox copy of your application, where you will find at the bottom the reason for denial.

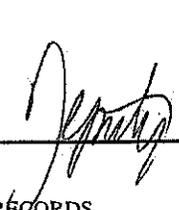
In Accordance with Zoning, Chapter 43 Section 10.322 the time to appeal a determination of a Building Inspector or Similar administrative office is thirty (30) days from the filing of such a determination with the Town Clerk.

The Clerk to the Zoning Board of Appeals, Debbie Arbolino, will assist you in the preparation necessary to appear before the board.

Sincerely,


Richard Oliver
Deputy Building Inspector

Signature of Director
NOTE: PLEASE KEEP FOR YOUR RECORDS
12-31-18-CCC


Date
CC: Rosanna Sfraga
Liz Decort
Debbie Arbolino

PERMIT EXPIRES TWO (2) YEARS FROM DATE OF ISSUANCE.
 TWO SIX (6) MONTH EXTENSIONS MAY BE GRANTED PRIOR TO EXPIRATION DATE.
APPLICATION FOR BUILDING / DEMOLITION PERMIT

TOWN OF ORANGETOWN

20 Greenbush Road, Orangeburg, NY 10962 Phone: (845) 359-8410 Fax: (845) 359-8526

ZONE: <u>CCU</u> <u>(GMU)</u>	OFFICIAL USE ONLY	ACREAGE: <u>1.58</u>
Inspector: <u>Mike</u>	Date App Received: <u>7/9/2020</u>	Received By: <u>Gina</u>
Permit No.: <u>50306</u>	Date Issued: _____	
CO No.: _____	Date Issued: _____	
Permit Fee: <u>\$11382</u>	Ck# <u>4283</u>	Paid By: <u>Arthur Breuer, PE</u>
GIS Fee: <u>9190</u>	Ck# <u>4284</u>	Paid By: <u>J</u>
Stream Maintenance Fee	Ck # <u>4285</u>	Paid By: <u>J</u>
Additional Fee: _____	Ck# _____	Date Paid _____
1st 6 mo. Ext.: _____	Ck # _____	Exp. Date: _____
2nd 6 mo. Ext.: _____	Ck # _____	Exp. Date: _____

RECEIVED
 JUL 09 2020

APPLICANT COMPLETES:

Note: See inside for instructions for completing this application.
PAGES 2, 3 and PAGE 4 must be reviewed and PAGES 3 & 4 must signed by the applicant.

TOWN OF ORANGETOWN
 BUILDING DEPARTMENT

179 N. Middletown Road
Property Location: _____
Section: 68.12 **Block:** 4 **Lot:** 17

Property Owner: Verizon New York, Inc
 Mailing Address: 64 Maple Avenue, New City, NY 10956
 Email: john.j.mangan@verizon.com Phone #: 917-613-0219

Lessee (Business Name): None
 Mailing Address: _____
 Email: _____ Phone #: _____

Type of Business /Use: Telephone Communications-Central Office

Contact Person: John Mangan **Relation to Project:** Project Manager
 Email: john.j.mangan@verizon.com Phone#: 917-613-0219

Architect/Engineer: Arthur R. Breuer, PE, LLC **NYS Lic #** 62068
 Address: 24 N Greeley Ave, Chappaqua, NY 10514 Phone#: 914-238-5433

Builder/General Contractor: JAMES E. FITZGERALD, INC **RC Lic #** _____
 Address: 48 WEST 38th STREET 9th FL N.Y., N.Y. Phone#: 646-864-4547

Plumber: _____ **RC Lic #** _____
 Address: _____ Phone#: _____

Electrician: _____ **RC Lic #:** _____
 Address: _____ Phone#: _____

Heat/Cooling: _____ **RC Lic#:** _____
 Address: _____ Phone#: _____

Existing use of structure or land: Telephone Exchange Communication Facility

Proposed Project Description: _____
 Replace an existing 200 KW generator located on the 1st floor inside the building with a 600KW generator

Proposed Square Footage: 0 **Estimated Construction Value (\$):** \$625,000

BUILDING DEPARTMENT COMPLETES BELOW

PLANS REVIEWED: _____

PERMIT REFERRED / DENIED FOR: Chapter 43, Section 9.11
Performance Standards review required.

[Signature]
 Deputy 7/19/2020

FOR OFFICE USE ONLY SECTION BLOCK LOT NAME PERMIT#

Town of Orangetown Resume of Operations and Equipment

Application Instructions

This application is to define equipment and operations for a new or existing facility or process to determine applicability to Town of Orangetown Performance Standards. The information herein is required for the Town Zoning Board to make such determination regarding the Applicant's proposed use of the land.

Do not start work before obtaining necessary permits to avoid subjecting the Applicant and contractors engaged in The Project to enforcement action, which could include: 1) civil or criminal court action, or both; 2) fines; 3) an order to remove structures or materials or perform other remedial action; or 4) both a fine and an order.

If the facility has existing and applicable local, county, state or federal permits, licenses or certifications, copies of such are to be listed below and included in this application.

PROJECT NAME:

Type of Permit <small>e.g., air, water, waste, etc.</small>	Agency <small>local, county, state, federal</small>	Submitted Paper Copy? Y or N	URL or Website Information

The Applicant must provide information and background showing the derivation of anticipated air emissions, water discharges and waste disposal, appropriate to the Projects' applicability to Town Performance Standards.

This PDF document is based on Microsoft's Excel format converted to PDF. Data can be entered directly into the areas designated, or the application may be printed and filled in by hand. To fill in electronically, open this document in Adobe Acrobat, click on "Typewriter" under "Tools", and begin typing. Font size is restricted. Additional pages can be included in the application.

Town of Orangetown
Resume of Operations and Equipment

This Application is required for the Town to make a determination regarding the applicant's proposed use of the land and buildings. Attach Additional Sheets as Needed.

Certification and Identification Information

Type of Action/Application: Place an "X" to the left of the appropriate categories.

<input type="checkbox"/>	New	<input type="checkbox"/>	Significant Modification	Other:
<input type="checkbox"/>	Renewal	<input type="checkbox"/>	Administrative Amendment	
<input checked="" type="checkbox"/>	Minor Action	<input type="checkbox"/>	Major Action	

PROJECT NAME: REPLACE EMERGENCY STAND BY GENERATOR

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein in this application, and information in support of it, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate and complete.

Responsible Official: JOHN MANGAN <small>Print</small>	Title: PROJECT MANAGER
Signature:	Date: 7/22/2020
Phone: 917-613-0219	Email: JOHN.J.MANGAN@VERIZON.COM

Facility / Owner Information

Facility Name: Verizon New York, Inc Central Telephone Office	
Facility Address: 179 N Middletown Road, Pearl River, NY	
Owner Name: Verizon New York, Inc	Business EIN: 13-5275510
Street: 64 Maple Avenue	ZIP: 10956
City/Town: New City	State/Province: New York

Ownership:	<input checked="" type="checkbox"/>	Corporation	<input type="checkbox"/>	Individual
Place "X" to left of box	<input type="checkbox"/>	Partnership	<input type="checkbox"/>	Other:

Owner/Firm/Facility Contact

Name:	Phone:
Street Address:	Fax:
City/Town:	ZIP:
State/Province:	Country:
Affiliation:	Title:
Email:	

Town of Orangetown
Resume of Operations and Equipment

PROJECT NAME: REPLACE EMERGENCY STAND BY GENERATOR

BUILDING & PROPERTY

Property Footprint, total sq. ft./acres	1.58 ACRES
Footprint, Largest structure, sq. ft.	
Highest 'Story' on Site	1
Total No. Structures	

Parking sq. ft.	
No. Parking Spots	
Full Time Employees	
Part Time Employees	

STATE ENVIRONMENTAL QUALITY REVIEW

This application requires completing and submitting to the Town only, the New York State Department of Environmental Conservation's Short Environmental Assessment Form, Appendix B to 6NYCRR 617.20. Some of this information may be duplicated herein. This form can be accessed at:
http://www.dec.ny.gov/docs/permits_ej_operations_pdf/seafpartone.pdf

The applicant must provide floor plans showing location of equipment, work stations, vents, exhausts, chimneys or stacks, and associated industrial processes.

OPERATIONS

Primary Line(s) of Business: 1. Provides telephone service to Pearl River Area 2. 3.	NAICS: 1. 2. 3.	SIC: 1. 2. 3.
Week Days Operating ⁷		
No. Shifts per Day ³		
Hours per Day Operating ²⁴		

Principal Products of Manufacture/Assembly/Business

1.
2.
3.
4.
5.

Town of Orangetown
Resume of Operations and Equipment

PROJECT NAME: REPLACE EMERGENCY STAND BY GENERATOR

NOISE

Based on descriptive decibel levels of Table A (following page), decibel corrections shown below as appropriate, and in accordance with the Town's Noise Performance Standard 4.181, evaluate the noise level for the processes you list below.

When appropriate, *'frequency band cycles'* as described in the Town's Noise Performance Standard will be evaluated by the facility in the event of non-compliance with levels proposed for this project. The Town may request this evaluation during the application process if more complex noise patterns are expected.

Type of Operation of Character of Noise	Decibel Correction
Daytime operation only	Plus 5
Noise source operates less than 20% of any one hour period	Plus 5
Noise source operates less than 5% of any one-hour period	Plus 10
Noise source operates less than 1% of any one-hour period	Plus 15
Noise of impulsive character (hammering, etc.)	Minus 5
Noise of periodic character (hum, screech, etc.)	Minus 5

Use dB categories in Table A following page	Noise Level/Range Anticipated Outdoor:			
'Loudest' Producers of Noise Include construction and process operations.	During Time of Busiest Activity	During Time of Slowest Activity	Frequency per day or Specific Time Ranges	Duration, denote hours or minutes
1. GENERATOR	74dB(A)@25'	0	Test once a month	during power outa
2.				
3.				
4.				
5.				

VIBRATION

It is understood that the applicant is familiar with, and anticipates compliance with, the Town's Vibration Performance Standard, 4.171, during project construction and ultimate project operations. Any anticipated aberrations from this expectation should be detailed below.

Town of Orangetown
Resume of Operations and Equipment

TABLE A
Decibel Levels

0	healthy hearing threshold
10	a pin dropping
20	rustling leaves; quiet rural area, nighttime
30	whisper, faint; quiet suburban area, nighttime
40	babbling brook, bird calls; quiet urban area, nighttime; computer
50	light traffic; quiet urban area, daytime; refrigerator; residential air conditioner @ 50'
60	conversational speech @ 3'; air conditioner; heavy traffic @ 300'
70	shower; living room music; dishwasher
75	toilet flushing; vacuum cleaner; gas lawnmower @ 100', commercial area
80	alarm clock; garbage disposal; noisy urban area, daytime
85	passing diesel truck; snow blower
90	squeeze toy; lawn mower, food blender, motorcycle @ 25'; arc welder; diesel truck @ 50' @ 50 mph.
95	inside subway car; food processor; belt sander
100	motorcycle (riding); loud auto horn @ 10'; lawn mower @ 3'; handheld drill
105	sporting event; table saw

110	rock band; jackhammer, jet flyover @ 1000 ft.
115	emergency vehicle siren; riveter
120	thunderclap; oxygen torch
125	balloon popping
130	peak stadium crowd
135	air raid siren, near jet engine
140	jet engine at takeoff
145	firecracker
150	fighter jet launch
155	cap gun
160	shotgun
165	.357 magnum revolver
170	safety airbag
175	howitzer cannon
180	rocket launch

Most noise levels are given in dBA, which are decibels adjusted to reflect the ear's response to different frequencies of sound. Sudden, brief impulse sounds, like many of those shown at 120 dB or greater, are often given in dB (no adjustment).

194	sound waves become shock waves
-----	--------------------------------

30 faint
50 moderate
70 loud

90 very loud
120 deafening
130 threshold of pain

Town of Orangetown
Resume of Operations Equipment

PROJECT NAME: REPLACE EMERGENCY STAND BY GENERATOR

Permits and Applicable Local, County, State & Federal Regulations

Does the new or modified facility, process(es) or equipment require ANY additional permits, licenses, certifications or other authorizations under local, county, state or federal jurisdiction, or adherence to the regulations below? If so, list the main applicable regulatory parts for each category.

For example, NYSDEC Air State Facility Permit: Part 201-5; industrial wastewater discharge, State Pollutant Discharge Elimination System (SPDES), Part 750; large gas burning engines, NSPS Subpart JJJJ.

Answers in the positive may cause the Town to only conditionally approve this project until these other requirements are met. Additional information and specificity of regulations may be required. It is the applicant's responsibility to provide proof of evidence of meeting all requirements.

AIR*

- EPA New Source Performance Standards
- NYSDEC:
 - Registration
 - Air State Facility Permit
 - Federal Title V Major Facility Permit

PRIMARY APPLICABLE REGULATIONS

WASTE**

- Pesticide Control
- Solid & Hazardous Waste
- Radiation
- Mineral Resources & Mined Land Reclamation
- Noise from Heavy Motor Vehicles

RESOURCE MANAGEMENT***

- Land Use
- Mineral Resources
- Invasive Species
- Real Property and Land Acquisitions
- Water Regulation

WATER****

- All other water applicable matters

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GENERAL

- State Environmental Quality Review
- New York State Department of Health
- Uniform Procedures per 6NYCRR 621.1
- NYS Department of State
- Additional

* <http://www.dec.ny.gov/regs/2492.html>
** <http://www.dec.ny.gov/regs/2491.html>
*** <http://www.dec.ny.gov/regs/2490.html>
**** <http://www.dec.ny.gov/regs/2485.html>

Town of Orangetown
Resume of Operations and Equipment

PROJECT NAME: REPLACE EMERGENCY STAND BY GENERATOR

Combustion Sources

Combustion Source (engine, turbine, boiler, etc.)	No. of Units	Equipment Rating List HP, KW, MMBtu/hr, CFM with units	Fuels (e.g., natural gas, fuel oil, distillate or residual oil, waste oil, wood)
GENERATOR	1	600KW	DIESEL

Processes

Will any process, including combustion, use or storage, disposal, discharge, emission, or release to the environment, be applicable and/or reportable to:	*
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EPA Greenhouse Gas Reporting	
EPA Toxic Release Inventory	
National Emission Standards for Hazardous Air Pollutants	
High Toxicity Air Contaminants per NYSDEC Part 212-2.2 Table 2	
Emergency Planning and Community Right-to-Know Act (EPCRA)	
Tier II NYS Emergency Response Commission	
Solid Waste	
Hazardous Waste	
FHWA or NYSDOT	
SPDES or NPDES	

* Mark with an 'X' those that are applicable.

Chemical Characterization Codes

Table B

Use these codes to characterize chemicals and chemical products.

Does any operation involve the use of any of the following:

Y or N

B	explosive and blasting agents	N
C	poison: gas,g; liquid,l; solid,s	N
D	irritant	N
E	flammable liquid	Y
F	flammable solid	N
H	flammable gas: specify propane and/or butane	N
H-a	flammables, NOS	N
I	oxidizer	N
J	organic peroxide	N
K	combustible liquid	Y
L	radioactive material	N
M	corrosive material	N
N	"dangerous when wet" material	N
O	etiological material	N
P	combustible fibers	N

Does any operation consist of the following:

Q	produces dust subject to explosion or spontaneous combustion	N
R	product poisonous fumes or gases	Y
T	spray operations	N
U	fuel dispensing	N
V	propane gas forklifts	N
W	any other operation which may present a fire, explosive, radiological or other hazard	N

If none of the above, identify substances as:

- A aerosol
- G gas
- L liquid
- S/P solid/powder
- S/L slurry

Chemical Bulk Inventory

PROJECT NAME: REPLACE EMERGENCY STAND BY GENERATOR

SINGLE, NON-MIXTURE CHEMICALS Top 5 by Amounts Used/Stored	CAS Identification*	Table B Characterization Code List all that apply	Yearly Use/Stored (list gallons or pounds)
1. NO. 2 DIESEL FUEL OIL	68476-34-6	E,K,R	300 Gal daytank & 5000Gal U
2.			
3.			
4.			
5.			

Is there any mixing on-site of any combination of single, bulk substances and/or purchased mixtures? <small>Indicate YES or NO</small>	NO	
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Identify <u>any</u> on-site, single non-mixture chemical that is:		
Known Human Carcinogen - KHC Probable Human Carcinogen - PrHC Possible Human Carcinogen - PHC Other - Indicate	Carcinogen Characteristic#	Yearly Consumption (gallons or pounds)
1.		
2.		
3.		

CAS Identification*

https://ofmpub.epa.gov/sor_internet/registry/substreg/searchandretrieve/substancesearch/search.do?search=&substanceName=ethyl%20ketone&substanceNameScope=contains&substanceType=-1&hasComponents=both

As would be expected to be found in agreement among bodies such as the National Academy of Sciences, the U.S. Department of Health and Human Services' *Agency for Toxic Substance and Disease Registry*, the World Health Organization's *International Agency for Research on Cancer*.

Chemical Mixtures Inventory

PROJECT NAME: REPLACE EMERGENCY STAND BY GENERATOR

PURCHASED CHEMICAL MIXTURES List Top Three By Amount Used or Stored, and % of top three components of each mixture, excluding water.	CAS Identification* & Percentage	Table B Characterization Code List all that apply	Yearly Used/Stored (include units: gallons, g, or pounds, p)
M1.			
a.			
b.			
c.			
M2.			
a.			
b.			
c.			
M3.			
a.			
b.			
c.			

Identify <u>any</u> on-site chemicals in any mixtures that are: Know Human Carcinogen - KHC Probable Human Carcinogen - PrHC Possible Human Carcinogen - PHC Other - Indicate	Carcinogen Characteristic	Yearly Used/Stored, gallons or pounds
1.		
2.		
3.		

Chemical Discharges

PROJECT NAME: REPLACE EMERGENCY STAND BY GENERATOR

List raw material, or products, that emit to the atmosphere or discharge to land or water.	Does this material - or products they form - emit or discharge to a pollution control device? If so, list device(s).
SINGLE, NON-MIXTURE CHEMICALS	
1. CARBON MONOXIDE BY PRODUCT DUE TO COMBUSTION IN GENERATOR	N/A
2.	
3.	
4.	
5.	
6.	
7.	

CHEMICAL MIXTURES	
1.	
2.	
3.	
4.	
5.	
6.	
7.	

Primary Process Descriptions

PROJECT NAME: REPLACE EMERGENCY STAND BY GENERATOR

Describe Primary Processes:

Provide a facility blueprint, drawing or schematic showing locations of the processes described below.

**Characterization Codes from
 Table B**

List all that apply

PP1	SEE ATTACHED DRAWINGS M-002, M-101, M-501
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E	
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PP2	SEE ATTACHED DRAWINGS M-002, M-101, M-501
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K	
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PP3	SEE ATTACHED DRAWINGS M-002, M-101, M-501
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R	
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PP4	
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PP5	
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PP6	
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PP7	
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PP8	
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PP9	
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PP10	
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Town Of Orangetown
Resume of Operations and Equipment

Control Systems

PROJECT NAME: REPLACE EMERGENCY STAND BY GENERATOR

Describe control methods such as pollution and odor controls, fire alarm systems, automatic fire suppression devices such as sprinklers, portable fire extinguishers, and any other safety devices.

C1	FIRE ALARM DEVICES MONITORING GENERATOR ROOM AS FOLLOWS SMOKE DETECTORS, HEAT DETECTORS F& LAME DETECTOR
C2	PROVIDE CARBON MONOXIDE DETECTORS IN GENERATOR ROOM WHERE COMBUSTION OCCURS AND DIRECTLY OUTSIDE ADJECENT ROOM.
C3	GENERATOR WILL SHUTDOWN WHEN FLAME DETECTOR IS IN ALARM.
C4	
C5	
C6	
C7	
C8	
C9	
C10	

DEFINITIONS

Responsible official. A president, vice president, secretary, treasurer, general partner, proprietor, principal executive officer, ranking elected official, or any other person who performs policy or decision making functions and is authorized to legally bind a corporation, partnership, sole proprietorship, or government entity which operates a facility that is subject to the provisions of this Application. Whenever the term responsible official is used in this document or in any other Town regulations, it shall be deemed to refer to the “designated representative” with regard to all matters under this application.

Major action/project - actions for which permit applications are to be sent to the NYSDEC under 6NYCRR621.1.

Refer to: [https://govt.westlaw.com/nycrr/Document/I4ec443aacd1711dda432a117e6e0f345?viewType=FullText&originationContext=documenttoc&transitionType=CategoryPageItem&contextData=\(sc.Default\)](https://govt.westlaw.com/nycrr/Document/I4ec443aacd1711dda432a117e6e0f345?viewType=FullText&originationContext=documenttoc&transitionType=CategoryPageItem&contextData=(sc.Default))

Minor Project - Projects as described under NYSDEC's Uniform Procedures, 6 CRR-NY 621.4

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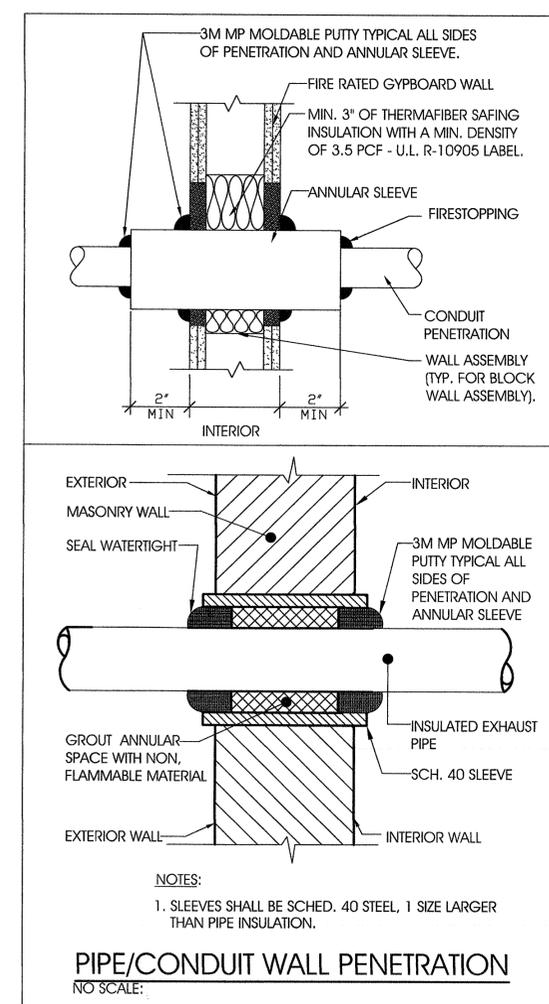
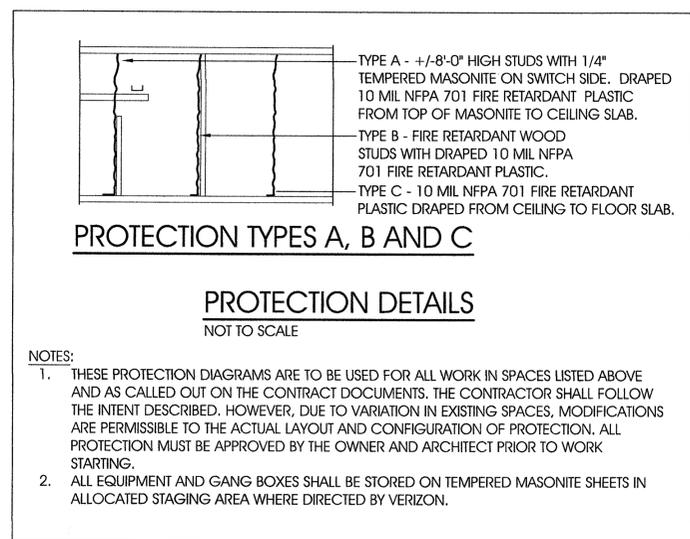
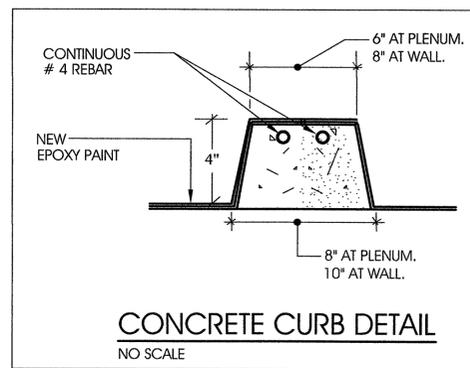
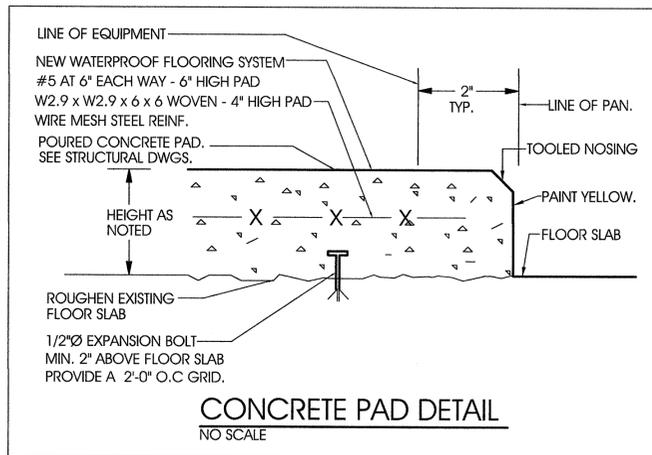
Modification means any change or amendment whatsoever to a permit that is currently in force, including permit transfer.

Research and Development activities. The primary purpose of such activities is to conduct research and development into processes and products, where such activities are conducted under the close supervision of technically trained personnel. Research and development activities do not include activities whose primary purpose is to produce commercial quantities of materials.

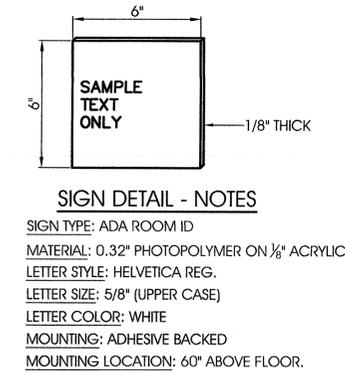
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Additional Information or Explanations

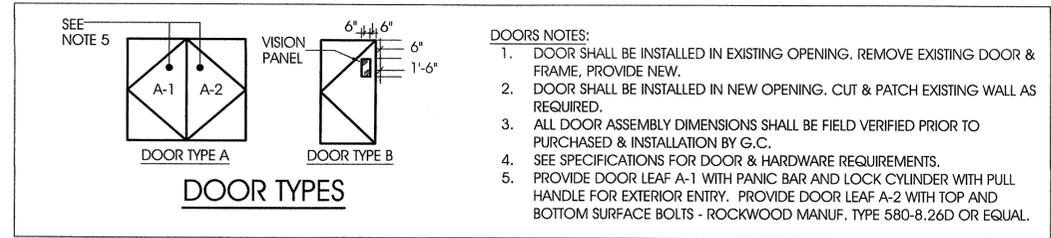
PROJECT NAME: REPLACE EMERGENCY STAND BY GENERATOR



SIGNAGE SCHEDULE			
DOOR NO.	TEXT	SIGN COLOR	NOTES
1-1	EXIT NO RE-ENTRY	RED	NEW DOORS
1-2	DIESEL GENERATOR ROOM	RED	EXISTING DOOR
1-3	INTAKE PLENUM NO EXIT	RED	ACCESS DOOR BY DIV. 15
1-4	EXHAUST PLENUM NO EXIT - CAUTION - GENERATOR STARTS AUTOMATICALLY	RED	ACCESS DOOR BY DIV. 15
1-5	600KW, 208V, 3PH GENERATOR CAUTION - GENERATOR STARTS AUTOMATICALLY	RED	GENERATOR



DOOR SCHEDULE									
DOOR#	DOOR TYPE	LOCATION	DESCRIPTION	OVERALL SIZE	DOOR SIZE	ANSI FUNCT.#	HARDWARE SET	FIRE LABEL	REMARKS
1-1	A	GEN RM. DOOR TO EXTERIOR	HM	6'-5\"/>					



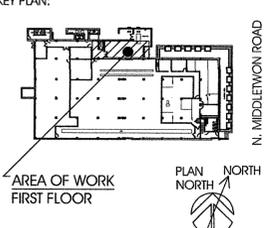
FINISH SCHEDULE								
SPACE	BASE	WALLS				CEILINGS	PAINTING SPECIFICATIONS	REMARKS
		NORTH	SOUTH	EAST	WEST			
GENERATOR ROOM	NONE	PAINT	PAINT	PAINT	PAINT	SCRAPE, PATCH & PAINT	WALL & CEILING: (1) COAT SHERWIN WILLIAMS PROMAR 200 ZERO VOC. (2) COATS SHERWIN WILLIAMS PRO INDUSTRIAL ACRYLIC SEMI-GLOSS "EG-SHELL" FINISH. COLOR SHALL BE DECORATOR'S WHITE, UNLESS OTHERWISE SPECIFIED BY VERIZON.	DASH-PATCH ALL SURFACES TO BE PAINTED. PREPARE SURFACE & APPLY PAINT PER MANUF. DIRECTIONS. FIRESTOP ALL NEW PENETRATIONS. PAINT ALL NEW CURBS YELLOW.

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NO.	DATE	SUBMISSION/REV.
	6/18/2020	ISSUED FOR BID
	8/7/2020	ISSUED FOR FILING



PEARL RIVER
GENERATOR SPACE
PREPARATION
179 N MIDDLETOWN ROAD
PEARL RIVER, NY

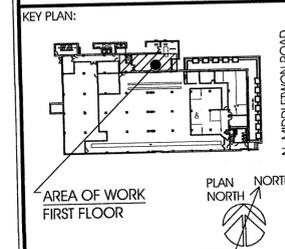
DATE: 06/18/2020
SCALE: AS NOTED
DRAWN BY: AHVP
CHECKED BY: JBD/AH
PROJECT NO.: 4640
TITLE:

GENERAL CONSTRUCTION:
DETAILS & SCHEDULES

DRAWING NO.:
G-501.00
3 OF 3G



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PEARL RIVER GENERATOR SPACE PREPARATION
179 N MIDDLETOWN ROAD
PEARL RIVER, NY

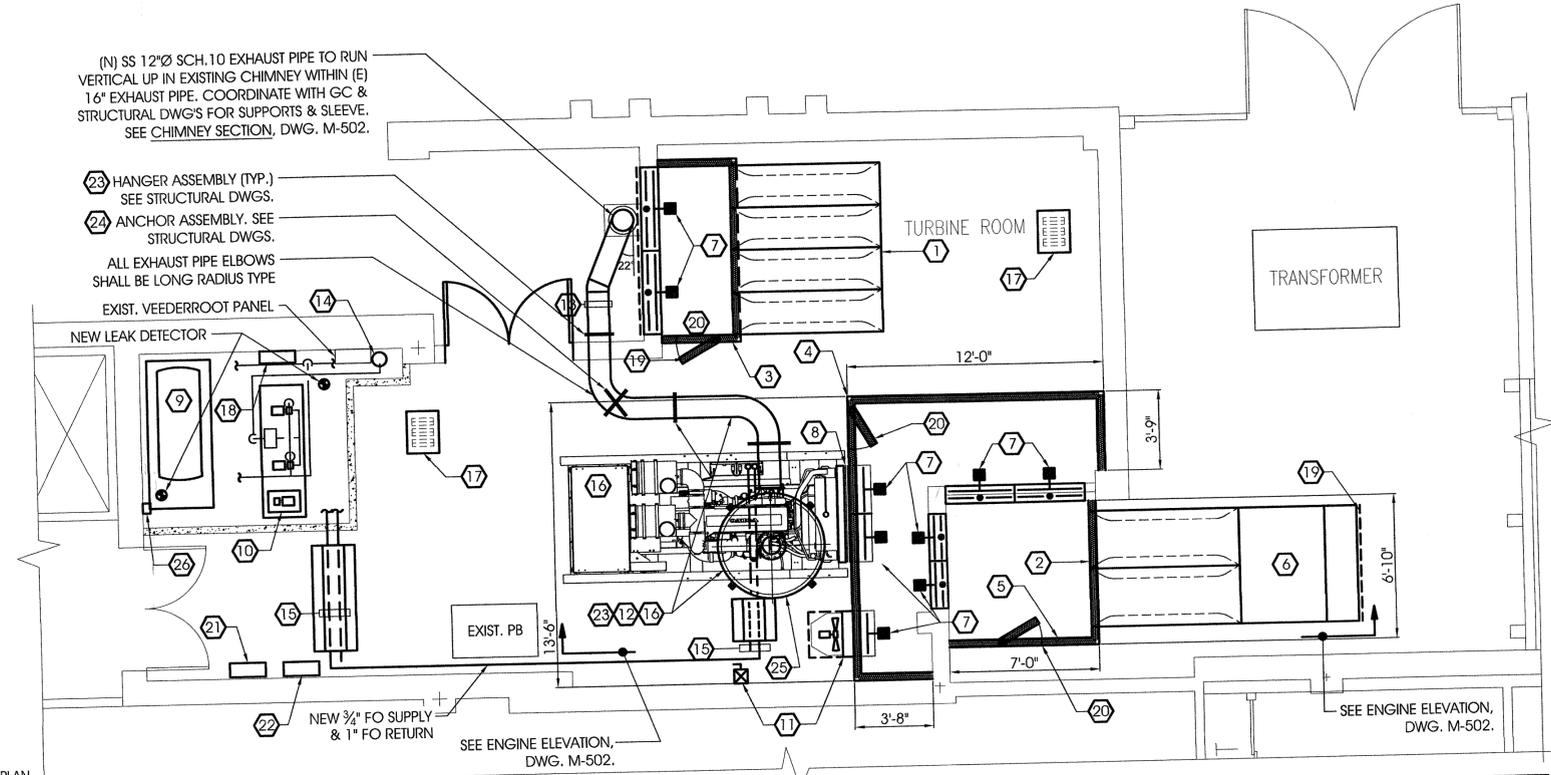
DATE:	06/18/2020
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DRAWN BY:	AHVP
CHECKED BY:	JBD/AH
PROJECT NO.:	4640
TITLE:	

MECHANICAL:
FIRST FLOOR PART PLANS -
DEMOLITION & NEW WORK

DRAWING NO.:

M-101.00

- 1 NEW INTAKE SOUND TRAPS - TOTAL SIZE: 8'-0" W x 7'-0" H x 7'-0" L. BASE BID ON IAC ACOUSTICS #7LFS.
- 2 NEW EXHAUST SOUND TRAPS. TOTAL SIZE: 5'-6" W x 8'-0" H x 7'-0" L. BASE BID ON IAC ACOUSTICS #7LFS.
- 3 NEW DW-3 INTAKE PLENUM. TOTAL SIZE: 3'-8" D x 8'-8" W x 7'-4" H.
- 4 NEW DW-3 EXHAUST PLENUM (INTERIOR).
- 5 NEW DW-3 EXHAUST PLENUM (EXTERIOR); EXTERIOR AND INTERIOR PLENUM WALLS AND ROOF SHALL BE STAINLESS STEEL. SEE DETAIL AND SPECIFICATIONS. PROVIDE CEILING ON PLENUM (9'-0" H)
- 6 NEW 18 GA STAINLESS STEEL EXHAUST HOOD FULL SIZE OF SOUND TRAPS. SEE ELEVATION FOR ADDITIONAL DETAIL.
- 7 NEW MOTORIZED DAMPERS (MD) AND FIRE DAMPERS (FD). COORDINATE SIZE IN FIELD WITH G.C. INSTALL PER MFR. REQUIREMENTS. COORDINATE WITH ELECTRICAL CONTRACTOR FOR ACTUATOR QTY.
- 8 FLEX CONNECTOR - COORDINATE RADIATOR OUTLET SIZE WITH GENERATOR MFR. PROVIDE MD TO MATCH OUTLET SIZE.
- 9 NEW 300 GALLON FUEL OIL DAY TANK AND CONTAINMENT BASIN. SEE DIAGRAMS FOR ADDITIONAL INFORMATION.
- 10 NEW FUEL OIL PUMPSET FOP-1, FOP-2 & FOP-3, INCLUDING DRIP PAN, ETC. SEE FUEL OIL DIAGRAM.
- 11 NEW EXHAUST FAN EF-GEN. THIS CONTRACTOR TO SUPPLY 1HP VFD AND TURN OVER TO DIV. 16 FOR INSTALLATION. SEE SCHEDULE AND DETAIL.
- 12 NEW 12" Ø SCHEDULE 40 INTERIOR ENGINE EXHAUST PIPING. PROVIDE ROLLER HANGER AND PIPE GUIDE AS SHOWN ON FLOOR PLAN.
- 13 EXTERIOR EXHAUST PIPE SHALL BE 12" Ø SCHEDULE 10s STAINLESS STEEL. ROUTE WITHIN EXISTING 16" Ø FLUE RISER.
- 14 EXISTING FUEL OIL CONTAINMENT PIPING W/ EXISTING FUEL OIL SUPPLY AND RETURN PIPING. CONNECT NEW PIPING AS SHOWN ON FUEL OIL RISER DIAGRAM.
- 15 NEW 1" FO SUCTION AND 1½" FO RETURN PIPING TO GENERATOR. ALL PIPING FROM DAY TANK SHALL BE BELOW HEIGHT OF GENERATOR INJECTORS. VERIFY WITH APPROVED GEN. SHOP DRAWINGS. PROVIDE DIAMOND WALK-OVER PLATE.
- 16 PROVIDE TYPE E-2 REMOVABLE EXHAUST INSULATION BLANKET AROUND EXPANSION JOINTS, AND SILENCER. SEE SPECIFICATIONS FOR ADD'L INFORMATION.
- 17 NEW 10 kW ELECTRIC UNIT HEATER (W/ THERMOSTAT). SEE DETAIL.
- 18 NEW FO PUMP CONTROL PANEL SUPPLIED BY VERIZON AND INSTALLED BY CONTRACTOR.
- 19 PROVIDE STAINLESS STEEL WIRE MESH SCREEN.
- 20 PROVIDE 24x60 PLENUM ACCESS DOOR
- 21 NEW LEAK DETECTION PANEL. SEE DIAGRAM.
- 22 NEW DAMPER CONTROL PANEL.
- 23 PROVIDE ROLLER SUPPORT(S).
- 24 PROVIDE PIPE ANCHOR.
- 25 NEW 52" Ø EXTREME GRADE SILENCER PURCHASED BY VERIZON & INSTALLED BY THIS CONTRACTOR. HANG WITH 5/8" THREADED ROD & 3" DEFLECTION SPRING ISOLATOR. COORDINATE WITH STRUCTURAL DRAWINGS.
- 26 REMOTE DAY TANK LEVEL PANEL.



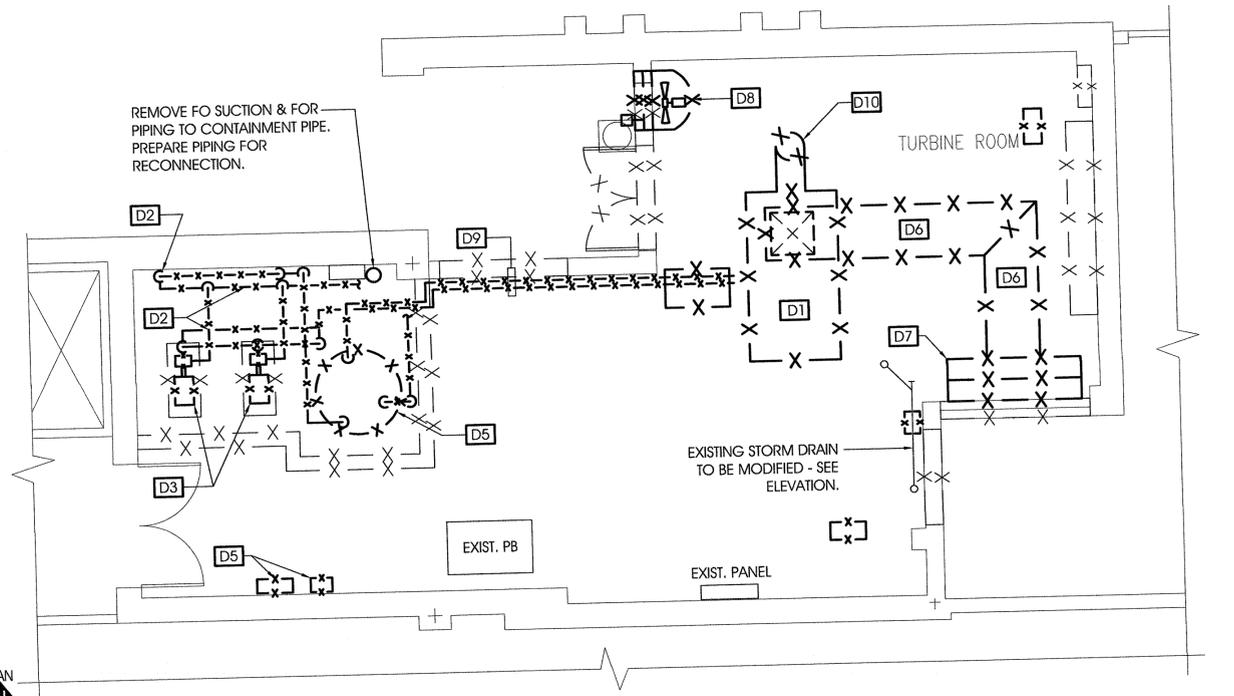
PLAN
2
FIRST FLOOR PLAN - NEW WORK
SCALE: 1/4" = 1'-0"

DEMOLITION SCOPE OF WORK

GENERAL CONTRACTOR
THIS CONTRACTOR SHALL DISCARD ALL MATERIALS FROM SITE PERTAINING TO WALL DEMOLITION, DOOR DEMOLITION, AND VARIOUS DEBRIS.

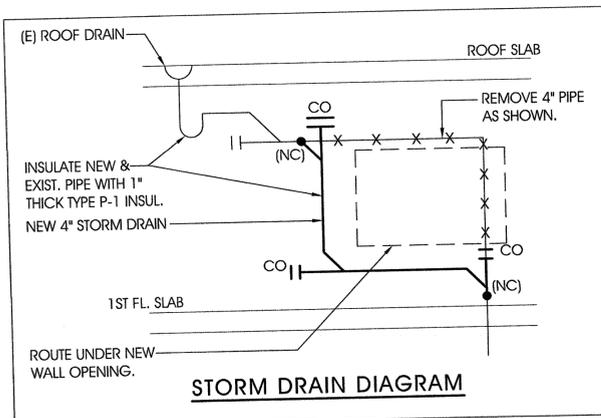
MECHANICAL CONTRACTOR
DIVISION 15 SHALL DISCONNECT AND REMOVE ALL EQUIPMENT, PIPING, & DUCTWORK TO BE REMOVED. DRAIN ALL FLUIDS, INCLUDING ENGINE WATER JACKET, FUEL OIL, ETC.). DISPOSE OF FLUIDS PER LOCAL CODES. PROVIDE WRITTEN CERTIFICATION THAT FLUIDS ARE PROPERLY DISPOSED OF. REMOVE ALL SENSORS, DETECTORS, AND CONTROL WIRING AS SHOWN. REMOVE ALL CONTROL WIRING FOR CONTROL DEVICES TO BE REMOVED & UPDATE BMS ACCORDINGLY.

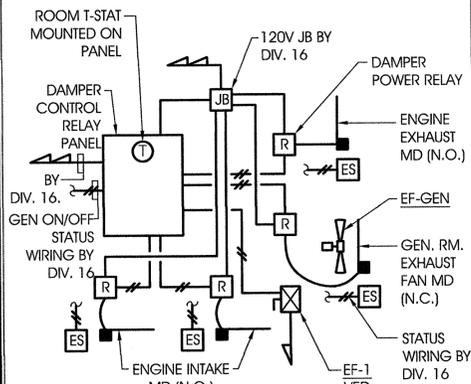
ELECTRICAL CONTRACTOR
DIVISION 16 SHALL DISCONNECT AND REMOVE ALL ELECTRICAL EQUIPMENT SCHEDULED FOR REMOVAL. DISCONNECT ALL LINE VOLTAGE FROM MECHANICAL EQUIPMENT, INCLUDING UNIT HEATERS, CONTROL DEVICES, MOTORIZED DAMPERS, MOTORS, ETC.



PLAN
1
FIRST FLOOR PLAN - DEMOLITION
SCALE: 1/4" = 1'-0"

- MECHANICAL DEMOLITION REFERENCE NOTES**
- D1 TURBINE FLUIDS (OIL, COOLANT) SHALL BE DRAINED BY DIVISION 15. G.C. SHALL REMOVE AND DISCARD TURBINE FROM SITE.
 - D2 DRAIN ALL FUEL OIL FROM SYSTEM FOR REMOVAL. DISCONNECT ALL FUEL OIL PIPING AS SHOWN FOR REMOVAL.
 - D3 DISCONNECT FUEL OIL PUMPS, INCLUDING ALL CONTROLS, STARTERS, DEVICES, ETC FOR REMOVAL.
 - D4 DISCONNECT CONTROLS FROM FUEL OIL CONTROL PANEL.
 - D5 DISCONNECT ALL CONTROLS AND DEVICES ASSOCIATED WITH DAY TANK FOR REMOVAL BY G.C.
 - D6 DISCONNECT DUCTWORK ASSOCIATED WITH TURBINE. REMOVE ALL ASSOCIATED SUPPORTS AND HANGERS.
 - D7 DISCONNECT INTAKE AND EXHAUST PLENUM AT WALL COMPLETE, INCLUDING CONTROLS, MOTORIZED DAMPERS, FIRE DAMPERS, ETC.
 - D8 DISCONNECT EXHAUST FAN FOR REMOVAL, INCLUDING STARTER, SENSORS, DEVICES, MOTORIZED DAMPERS, ETC.
 - D9 DISCONNECT FUEL OIL SUPPLY AND RETURN PIPING TO/FROM TURBINE.
 - D10 DISCONNECT FLUE EXHAUST PIPING FROM TURBINE TO RISER AT CEILING SLAB. REMOVAL SHALL INCLUDE ALL INSULATION, JACKETING, SUPPORTS, ETC. PROVIDE A WELDED CAP ON LIMIT OF PIPE DEMOLITION AT RISER.

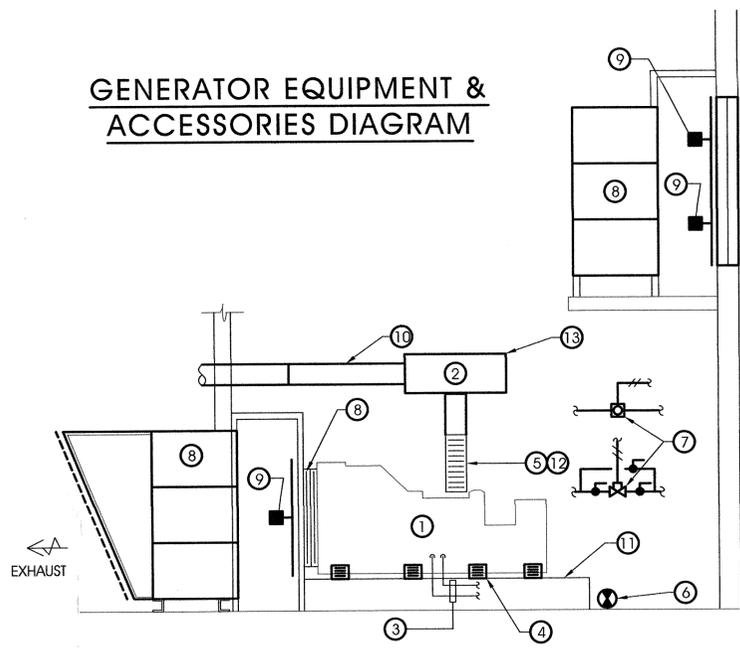




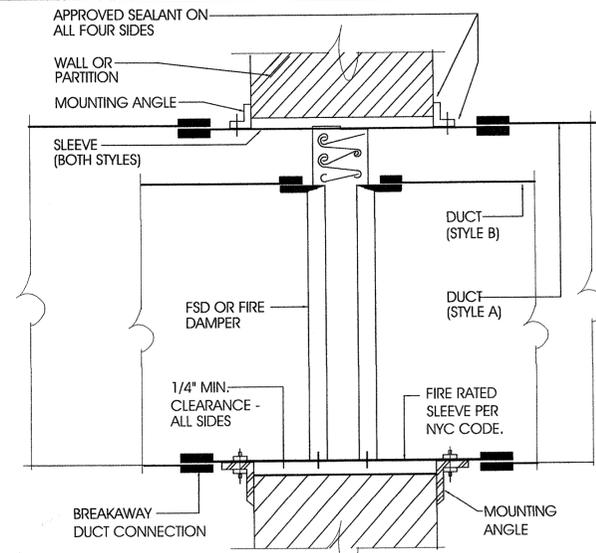
ENGINE & EXHAUST FAN INTAKE/EXHAUST DAMPERS CONTROL DIAGRAM

- NOTES:
- ALL ITEMS SHOWN ARE NEW UNLESS NOTED AS EXISTING.
 - ALL EQUIPMENT, CONTROL DEVICES AND WIRING SHOWN ARE BY DIV 15 UNLESS NOTED BY DIV. 16.
 - IMPORTANT: COORDINATE DAMPER ACTUATOR QTY W/ DIV. 16.
 - SEQUENCE OF OPERATIONS (BY DIV. 15):
 - ROOM THERMOSTAT (USE ADJ.) SHALL CAUSE EF-1 TO START WHEN ROOM IS 80 °F OR ABOVE. ON CALL FOR FAN START, RESPECTIVE MD AND ENGINE INTAKE AND EXHAUST DAMPERS SHALL OPEN. WHEN DAMPERS ARE PROVED OPEN, EXHAUST FAN SHALL START.
 - ON CALL FOR ENGINE START, EF-1 SHALL BE SHUT DOWN AND EXHAUST FAN MD SHALL CLOSE. ENGINE INTAKE AND EXHAUST DAMPERS SHALL FULLY OPEN.

GENERATOR EQUIPMENT & ACCESSORIES DIAGRAM

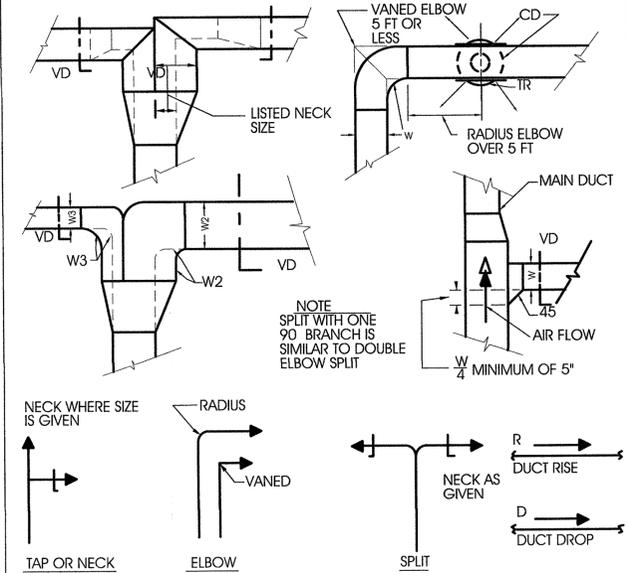


#	ITEMS	SCOPE	VERIZON	DIV. 15	DIV. 16	COMMENTS
1	GENERATOR SET	SUPPLIED BY RIGGED BY INSTALLED BY	●		●	
2	EXTREME GRADE SILENCER	SUPPLIED BY INSTALLED BY	●			
3	FUEL OIL FLEX. HOSE CONNECTIONS	SUPPLIED BY INSTALLED BY	●			
4	GENERATOR VIB. ISOLATORS (SPACE-SAVING TYPE)	SUPPLIED BY INSTALLED BY	●			
5	EXPANSION JOINT & WYE CONNECTION	SUPPLIED BY INSTALLED BY	●			EXPANSION JOINT TO BE ALIGNED WITH ENGINE & SILENCER COORD. SUPPORTS WITH ARCHITECTURAL DWGS.
6	LEAK DETECTION	SUPPLIED BY INSTALLED BY CONTROLS & PROGRAMMING LINE VOLTAGE WIRING		●	●	
7	FUEL OIL SUPPLY FIRE SAFETY VALVE & MAGNATROL SOLENOID VALVE	SUPPLIED BY INSTALLED BY CONTROLS & PROGRAMMING LINE VOLTAGE WIRING		●	●	
8	DW-3 (ACOUSTIC) PLENUM, & HOOD SOUND TRAPS, FLEX CONNECTION	SUPPLIED BY INSTALLED BY		●		INCLUDING SUPPORTS WHERE INDICATED
9	MOTORIZED DAMPERS (& FIRE DAMPERS)	SUPPLIED BY INSTALLED BY CONTROLS & PROGRAMMING LINE VOLTAGE WIRING		●	●	INCLUDING END SWITCHES. ALL MD TO BE NORMALLY OPEN
10	FLUE EXHAUST PIPE (INCL. INSULATION)	SUPPLIED BY INSTALLED BY		●		
11	STRUCTURAL PAD	SUPPLIED BY INSTALLED BY		●		
12	REMOVABLE INSULATION BLANKET	SUPPLIED BY INSTALLED BY		●		



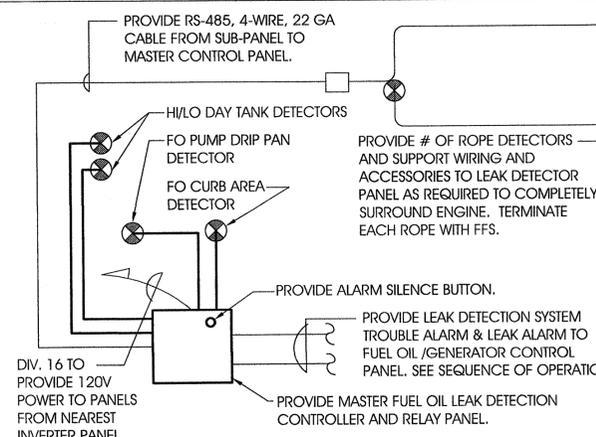
FSD & FIRE DAMPER DETAIL

- N.T.S.
- NOTES:
- ANGLES, DUCT CONNECTIONS, SLEEVES, AND ENTIRE INSTALLATION TO BE PER MANUFACTURER'S LISTED INSTALLATION DETAILS.
 - DO NOT APPLY SEALANT ON BREAKAWAY CONNECTIONS.
 - FSD'S AND FD'S SHALL BE UL RATED AND NYC APPROVED.



DUCTWORK BRANCH TAKEOFF CONNECTIONS

- NECK WHERE SIZE IS GIVEN
- SINGLE LINE REPRESENTATIONS - REFER TO DOUBLE LINE DETAILS ABOVE
- NOTES:
- USE RADIUS OR SQUARE VANED BENDS FOR BOTH ELBOWS AND SPLITS AS DETERMINED BY SPACE LIMITATIONS AND DISTANCE FROM AIR OUTLETS.
 - ALL VANED ELBOWS SHALL BE SQUARE (CONSTANT WIDTH).
 - WHERE DUCTS SPLIT, SOLID LINE IS PREFERRED ARRANGEMENT UNLESS PRECLUDED BY SPACE CONDITIONS OR INDICATED OTHERWISE ON DRAWINGS. USE ELBOWED SPLIT FOR BRANCH CONNECTION ONLY WHERE NECK SIZE IS GIVEN.

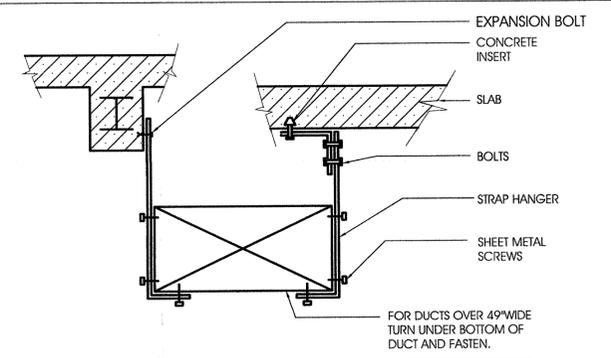


FUEL OIL LEAK DETECTION DIAGRAM

- FUEL OIL LEAK DETECTION DIAGRAM NOTES:
- ALL EQUIPMENT AND WIRING SHALL BE BY DIVISION 15 UNLESS NOTED OTHERWISE.
 - SYSTEM AND DETECTORS SHALL BE TRACETEC. PROVIDE ALL PANELS, DETECTORS, EQUIPMENT, WIRING, ACCESSORIES AND PROGRAMMING FOR A COMPLETE SYSTEM AND MEET THE SEQUENCE OF OPERATION.
 - SEE CONTROL /STATUS WIRING DIAGRAM FOR ADDITIONAL WIRING REQUIREMENTS.
 - LEAK DETECTION SYSTEM SHALL BE BY TRACETEC. REP: GA FLEET.
 - SEQUENCE OF OPERATION:
THE INDIVIDUAL LEAK DETECTORS SHALL CAUSE THE FOLLOWING TO OCCUR:

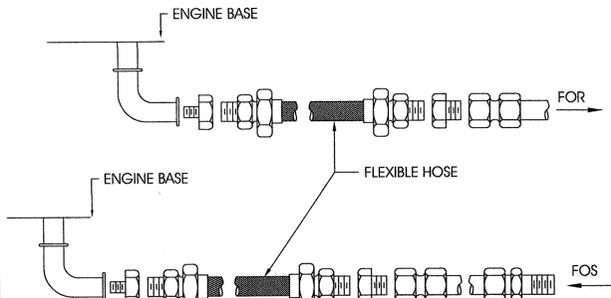
DETECTOR	LEAK PANEL	OIL/GENERATOR ALARM PANEL
GEN RM. FO SPOT DET.	ALARM ONLY	ALARM ONLY
G-1 FO ROPE DETECTOR	ALARM ONLY	ALARM ONLY
HIGH DAY TANK CONTAINMENT DETECTOR	ALARM ONLY	PUMP SHUTDOWN
LOW DAY TANK CONTAINMENT DETECTOR	ALARM ONLY	ALARM ONLY
FUEL PUMP DRIP PAN	ALARM ONLY	ALARM ONLY
FUEL OIL CURB AREA	ALARM ONLY	ALARM ONLY

- NOTE:
- ACTIVATION OF ANY LEAK DETECTOR SHALL CAUSE VISUAL AND AUDIBLE ALARM AT LEAK DETECTION PANEL & CLOSE A SET OF DRY CONTACTS (ONE FOR EACH DETECTOR) CONNECTED TO THE APPROPRIATE TERMINALS IN THE FUEL OIL/GENERATOR CONTROL PANEL WITH #14 AWG STRANDED WIRE. DIV 16 SHALL MAKE CONNECTIONS TO GENERATOR ALARM PANEL.



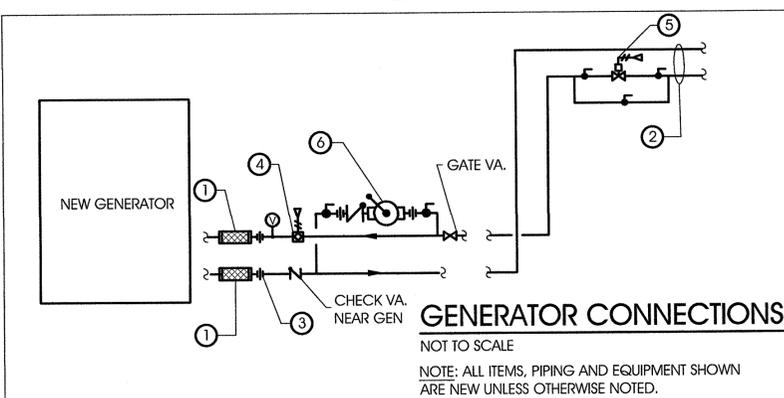
DUCT SIZE	HANGER SIZE	MAXIMUM SPACING
UP TO 2 S.F.	1" X 1/16"	8'-0"
2 S.F. TO 4 S.F.	1" X 1/8"	8'-0"
4 S.F. TO 10 S.F.	1" X 1/8"	6'-0"
OVER 10 S.F.	1" X 1/8"	4'-0"

STRAP HANGER DETAIL



ENGINE FLEX HOSE ASSEMBLY DETAIL

- NOTES:
- FLEXIBLE HOSE SUPPLIED BY VERIZON & INSTALLED BY CONTRACTOR.
 - CONTRACTOR SHALL PROVIDE ALL OTHER PIPE, VALVES AND FITTINGS FROM MAIN FUEL TANK FOS & FOR TO ENGINE AND CONNECT TO ENGINE.
 - PROVIDE PIPE SUPPORTS ON FLOOR FOR FO PIPING 4'-0" ON CENTER.



GENERATOR CONNECTIONS

NOT TO SCALE

NOTE: ALL ITEMS, PIPING AND EQUIPMENT SHOWN ARE NEW UNLESS OTHERWISE NOTED.

FUEL OIL REFERENCE NOTES

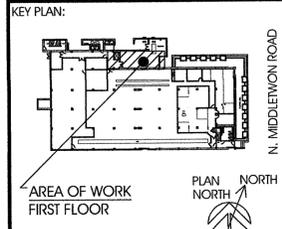
- FLEX CONNECTION SUPPLIED BY VERIZON & INSTALLED BY DIV. 15.
- PIPING TO FUEL OIL DAY TANK.
- UNIONS
- FUSIBLE LINK FIRE SAFETY FUEL SHUT-OFF VALVE WITH POSITION SWITCH. BASE ON PREFERRED UTILITIES MODEL 110. LOCATE NEAR ENGINE.
- NEW MAGNATROL SOLENOID VALVE WITH POSITION SWITCH. LOCATE AT HIGH POINT OF PIPING. VALVE SHALL BE TYPE 'A' FULL PORT. GENERAL PURPOSE NEMA 12 VALVE. VALVE SHALL BE NORMALLY CLOSED, WITH SCREWED ENDS, 24VDC WITH VITONDISK & RATED FOR FUEL OIL. LOCATE NEAR DAY TANK.
- PROVIDE FILLRITE HAND PUMP (MODEL FR152, OR EQUAL) TO PRIME FOS PIPING. PROVIDE ASSOCIATED SHUT-OFF VALVES, CHECK VALVES, UNIONS, AND MANUAL BYPASS VALVE.

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verizon

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179 N MIDDLETOWN ROAD
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