



FLORHAM PARK CONSTRUCTION DEPARTMENT
111 RIDGEDALE AVENUE
FLORHAM PARK, NJ 07932
973-410-5350 (FAX) 973-410-5490

GENERATOR INSTALLATION REQUIREMENTS:

IN EXISTING 1 & 2 FAMILY DWELLINGS:

1. Completed Construction Permit Application
2. Completed Zoning Application
3. Copy of Survey including Title block with the location of the generator indicating the distance to the property line & structure
4. Completed, Signed & sealed, Electrical & Mechanical Subcode Forms (A Building Subcode is also required if pouring a concrete pad)
5. Electric Riser Diagram and Load Calculations
6. Specifications of the equipment
7. Gas riser diagram

FOR ALL NEW CONSTRUCTION and ADDITIONS:

1. Items 1-3 above **and**
2. Completed, Signed & sealed, Electrical, Plumbing and Fire Subcode Forms
3. (A Building Subcode is also required if pouring a concrete pad)
4. Specifications of the equipment



Florham Park Construction Office
Phone 973-410-5350 Fax 973-410-5490

Kevin Guilfoyle, Construction Official
KGuilfoyle@fpboro.net or 973-410-5352
Kristin Linden, KLinden@fpboro.net Technical Assistant to the Construction Official
Kayla Kaplan, Kkaplan@fpboro.net Zoning Official 973-410-5334

Permit applications accepted daily from 9:00 am to 4:00 pm.

Please email all inspection requests to klinden@fpboro.net and myannotta@fpboro.net

Inspection requests require the following information:

- 1) Permit number
- 2) Type of inspection requested (Building, Electrical, Plumbing, Fire)
- 3) Preferred day(s) of inspection
- 4) Name and phone number of the person allowing access

Minimum of 24 hour notice for all inspection requests, ALL TIMES ARE APPROXIMATE:

Building inspections are Monday - Friday 8 am to 4 pm

Fire inspections are Mon & Fri 7:30- 11:30 am Tues - Thurs. 12:30pm- 4:30 pm

Electrical inspections are Mon/ Wed/ Fri 11:30 am to 3:30 pm Tuesday 7:30-11:30 am

Plumbing/Mechanical inspections are Monday thru Thursday 11 am to 4 pm.

Please be aware that due to the volume of Construction inspections, we cannot give exact times for these inspections.

Contractors MUST INSTALL 6 ft. chain link fence, per Ordinance NO. 13-15 around perimeter of excavation site prior to any work. Do NOT remove fence until Construction Official grants approval of removal. Required inspections pursuant to N.J.A.C. 5:23-2.18 for all *new* buildings, additions, renovation, alterations:

- 1) Footing inspection-bottom of the trench **PRIOR** to pouring of concrete (MUST provide soil compaction report at inspection)
- 2) Foundation inspection **PRIOR** to the placement of backfill.
2 a) Foundation Location Survey **REQUIRED** for new construction **PRIOR** to framing
- 3) Slab inspection **PRIOR** to placement of concrete
- 4) Electrical rough wiring
- 5) Plumbing rough installations
- 6) Fire Rough inspection
- 7) Framing inspections **AFTER** rough electric/plumbing/Fire passed-**PRIOR** to insulation
- 8) Insulation inspection **PRIOR** to sheetrock
- 9) Final electric, final plumbing, final fire inspections
- 10) Final building inspections
- 11) No Certificates of Occupancy shall be issued **PRIOR** to submittal & Approval of Final As Built Survey and final surface grading inspection approvals by Borough Engineer M. Sgaramella (973-410-5473 or K. Kaplan x5334) & Morris County Soil District, Sheila Hall (973-285-2953).

Failure to comply with the above required inspections as indicated in N.J.A.C. 5:23-2.18 will result in administrative penalties of not more than \$2000.00 as permitted in N.J.A.C. 5:23-2.3 lb



Florham Park Construction Department
111 Ridgedale Ave.
Florham Park, NJ 07932
Ph. - 973-410-5350 Fax - 973 -410-5490
Kevin Guilfoyle, Construction Code Official
Building Subcode Official

The following is a list of certifications that you may be required to submit to the Building Department during the course of your project.

All information must be forwarded to the Building Inspector shortly after being requested in order to avoid any project delays.

1. List of Special Inspectors with copy of DCA License
2. All soil compaction reports, footing, slab, etc. BEFORE footing inspection
3. Report from engineer re footing & foundation re-bar installation (Commercial & Multi unit residential)
4. Report from engineer re slab design to include reinforcing (Commercial only)
5. Foundation location survey (ALL new buildings and any BOA Approved Additions (Residential AND Commercial) MUST be received at framing inspection
6. Concrete compressive strength 7 to 28 day report (Commercial and multi-unit residential)
7. Wooden truss report to include installation as per design and any and all repairs made (Commercial and multi-unit residential)
8. Steel report to include all welds, bolting and decking (Commercial)
9. Fire Stopping, Fire proofing and draft stopping depending on magnitude of project, certified by architect (Commercial and Condo)
10. Any modular units or pre-fabricated panels (i.e. superior walls, modular) Certifications by Engineer & Manufacturer (Residential, Commercial & Condos)
11. Copies of any warranties for certain types of roof covering systems (New Commercial)
12. HVAC balancing report (New Commercial)
13. Energy Efficiency Certificate (Residential)
14. Home Warranty (Residential)
15. Height certification included on final as-built survey

Additional information may be necessary prior to the issuance of a Certificate of Occupancy

Kevin Guilfoyle
Construction Official



BOROUGH OF FLORHAM PARK ZONING APPLICATION

111 Ridgedale Avenue, Florham Park, NJ 07932 E-mail: Zoning@fpboro.net Phone: 973-410-5330

**AC or GENERATOR
Fee \$75**

Work Site Address: _____ Block: _____ Lot: _____ Zone: _____

Property Owner: _____ Owner's Email: _____

Owner's Address: _____ Phone: _____

Brief Description of Work: _____

Property is a: Corner Lot _____ Interior Lot _____

Existing Setbacks:

Front Yard _____ Smallest Side Yard _____ Rear Yard _____ Second Front Yard (corner lot): _____

Proposed Setbacks:

Front Yard _____ Smallest Side Yard _____ Rear Yard _____ Second Front Yard (corner lot): _____

Sq. Ft. of Lot: _____ Building Coverage %: _____ Improved Lot Coverage %: _____

I hereby certify that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his/her agent and we agree to conform to all application laws of this jurisdiction

Signature _____ Name (Print) _____

**** Office use only ****

Application: Approved _____ Denied _____ Application No _____ Permit No _____

Application Fee _____ Received Date _____ Check # _____ Cash _____

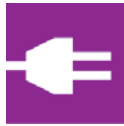
Zoning Official Signature: _____ Date: _____

Kayla Kaplan-Zoning Official

Marjorie Lowe-Assistant to the Zoning Official



ELECTRICAL SUBCODE TECHNICAL SECTION



Date Received _____
Control # _____
Date Issued _____
Permit # _____

A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Block _____ Lot _____ Qualification Code _____

Work Site Location _____

Owner in Fee: _____

Tel. _____ e-mail _____

Address _____
street municipality zip code

Contractor: _____ Tel. _____

Address _____ e-mail _____

Contractor License No. _____ Exp. Date _____

Home Improvement Contractor Registration No. or Exemption Reason _____

Federal Emp. ID No. _____ FAX: _____

B. ELECTRICAL CHARACTERISTICS

Use Group Present _____ Proposed _____

[] Pole/Pad # _____ [] Temporary [] Other _____

Building Occupied as _____ Utility Co. _____

Est. Cost of Elec. Work \$ _____

JOB SUMMARY (Office Use Only)		INSPECTIONS		Dates (Month/Day)		
PLAN REVIEW		Type:	Failure	Failure	Approval	Initial
[] No Plans Required		Rough	_____	_____	_____	_____
[] Partial -Underslab Utilities Approved		Barrier-Free	_____	_____	_____	_____
Date: _____ Approved by: _____		Trench	_____	_____	_____	_____
[] Electric Plans Approved		Temp. Serv.	_____	_____	_____	_____
Date: _____ Approved by: _____		Constr. Serv.	_____	_____	_____	_____
Joint Plan Review Required:		TCO	_____	_____	_____	_____
[] Bldg. [] Plumb. [] Fire. [] Elev.		Other	_____	_____	_____	_____
SUBCODE APPROVAL for PERMIT		Service	_____	_____	_____	_____
Date: _____		Final	_____	_____	_____	_____
Approved by: _____		Barrier-Free	_____	_____	_____	_____
SUBCODE APPROVAL for CERTIFICATE		Temp. Cut-in-Card Date Issued	_____	_____	_____	_____
[] CO [] CCO [] CA		Final Cut-in-Card Date Issued	_____	_____	_____	_____
Date: _____		Annual Pool Inspection	_____	_____	_____	_____
Approved by: _____		Date of Grounding and Bonding Certification	_____	_____	_____	_____

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and am authorized to make this application and perform the work listed on this application.

Applicant sign/Contractor sign and seal here: _____

Print name here: _____

[] Licensed Elec. Contractor [] Certif'd Landscape Irrigation Cont'r [] Exempt Applicant

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK:

QTY.	SIZE	ITEMS	FEE (Office Use Only)
_____	_____	Lighting Fixtures	_____
_____	_____	Receptacles	_____
_____	_____	Switches	_____
_____	_____	Detectors	_____
_____	_____	Light Poles	_____
_____	_____	Motors—Fract. HP	_____
_____	_____	Emergency & Exit Lights	_____
_____	_____	Communications Points	_____
_____	_____	Alarm Devices/F.A.C. Panel	_____
_____	_____	TOTAL NUMBERS	\$ _____
_____	_____	Pool Permit/with UW Lights	_____
_____	_____	Storable Pool/Spa/Hot Tub	_____
_____	_____	KW Elec. Range/Receptacle	_____
_____	_____	KW Oven/Surface Unit	_____
_____	_____	KW Elec. Water Heater	_____
_____	_____	KW Elec. Dryer/Receptacle	_____
_____	_____	KW Dishwasher	_____
_____	_____	HP Garbage Disposal	_____
_____	_____	KW Central A/C Unit	_____
_____	_____	HP/KW Space Heater/Air Handler	_____
_____	_____	KW Baseboard Heat	_____
_____	_____	HP Motors 1/+ HP	_____
_____	_____	KW Transformer/Generator	_____
_____	_____	AMP Service	_____
_____	_____	AMP Subpanels	_____
_____	_____	AMP Motor Control Center	_____
_____	_____	KW Elec. Sign/Outline Light	_____

Administrative Surcharge	\$ _____
Minimum Fee	\$ _____
State Permit Surcharge Fee	\$ _____
TOTAL FEE	\$ _____



**MECHANICAL INSPECTION
TECHNICAL SECTION**



Date Received
Control #

Date Issued
Permit #

A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Block _____ Lot _____ Qualification Code _____

Work Site Location _____

Owner in Fee: _____

Tel. _____ e-mail _____

Address _____
street municipality zip code

Contractor: _____ Tel. _____

Address _____ e-mail _____

Contractor License No. _____ Exp. Date _____

Home Improvement Contractor Registration No. or Exemption Reason _____

Federal Emp. ID No. _____ FAX: _____

B. MECHANICAL CHARACTERISTICS

Use Group Present: R-3-or R-5

Heating System work: New *OR* Modification to Existing *OR* Conversion *OR* Replacement

Type: Hydronic Hot Air

Fuel Type: Gas Oil Electric Solar Other _____

Estimated Cost of Mechanical Work \$ _____

JOB SUMMARY (Office Use Only)					
PLAN REVIEW		INSPECTIONS		DATES	
<input type="checkbox"/> No Plans Required		Type:	Failure	Failure	Approval
<input type="checkbox"/> Mechanical Plans Approved		Water Heater	_____	_____	_____
Date: _____	Approved by: _____	Appliance	_____	_____	_____
Joint Plan Review Required:		Chimney/Vent	_____	_____	_____
<input type="checkbox"/> Bldg. <input type="checkbox"/> Elec. <input type="checkbox"/> Plumb. <input type="checkbox"/> Fire.		Piping	_____	_____	_____
<input type="checkbox"/> Elev.		Tank	_____	_____	_____
SUBCODE APPROVAL for PERMIT		Cooling/AC	_____	_____	_____
Date: _____	Approved by: _____	Generator	_____	_____	_____
SUBCODE APPROVAL for CERTIFICATE		Fireplace	_____	_____	_____
<input type="checkbox"/> CA <input type="checkbox"/> CCO		Chimney Cert.	_____	_____	_____
Date: _____	Approved by: _____	Other	_____	_____	_____
		Other	_____	_____	_____
		Final	_____	_____	_____

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and am authorized to make this application.

Applicant sign/Contractor sign and seal here: _____

Print name here: _____

Licensed Contractor

Exempt Applicant

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK

NO.	FIXTURE/EQUIPMENT
_____	Water Heater
_____	Fuel Oil Piping Connections
_____	Gas Piping Connections
_____	Steam Boiler
_____	Hot Water Boiler
_____	Hot Air Furnace
_____	Oil Tank
_____	LPG Tank
_____	Fireplace
_____	Generator
_____	Other

FEE (Office Use Only)

\$ _____

Administrative Surcharge \$ _____
Minimum Fee \$ _____
State Permit Surcharge Fee \$ _____
TOTAL FEE \$ _____



PLUMBING SUBCODE TECHNICAL SECTION



Date Received Control #

Date Issued Permit #

A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Block Lot Qualification Code

Work Site Location

Owner in Fee:

Tel. e-mail

Address street municipality zip code

Contractor: Tel.

Address e-mail

Contractor License No. Exp. Date

Home Improvement Contractor Registration No. or Exemption Reason

Federal Emp. ID No. FAX:

B. PLUMBING CHARACTERISTICS

Use Group Present Proposed

Building Sewer Size Public Sewer Private Septic

Water Service Size Public Water Private Well

Est. Cost of Plumbing Work \$

Table with columns: PLAN REVIEW, INSPECTIONS, Dates (Month/Day). Includes rows for No Plans Required, Plumbing Plans Approved, SUBCODE APPROVAL for PERMIT, and SUBCODE APPROVAL for CERTIFICATE.

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and am authorized to make this application and perform the work listed on this application.

Applicant sign/Contractor sign and seal here:

Print name here:

[] Licensed Contractor [] Exempt Applicant

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK

Table with columns: QTY., FIXTURE/EQUIPMENT, FEE (Office Use Only). Lists items like Water Closet, Urinal/Bidet, Bath Tub, etc.

Administrative Surcharge \$
Minimum Fee \$
State Permit Surcharge Fee \$
TOTAL FEE \$

Placement of Standby Generator to REDUCE THE RISK OF FIRE

The National Fire Protection Association (NFPA) standard NFPA 37 establishes criteria for minimizing the hazard of fire during the installation and operation of stationary combustion engines. NFPA 37 limits the spacing of an enclosed generator from openings in walls, structures and combustible materials outside the enclosure.

The placement requirements provided are based on compliance to NFPA 37 2010 section 4.1.4 and a full-scale demonstration fire test. Details of compliance testing can be found in section **National Fire Protection Association (NFPA) standard NFPA 37 requirements and testing.**

⚠ WARNING Exhaust heat/gases could ignite combustibles or structures resulting in death, serious injury and/or property damage.

- DO NOT place weatherproof enclosure opposite exhaust side closer than 18 inches (0.5 m) from any structure.
- Exhaust outlet side of weatherproof enclosure must have at least 5 ft (1.5 m) minimum clearance from any structure, shrubs, trees or any kind of vegetation.
- Standby generator weatherproof enclosure must be at least 5 ft (1.5 m) from windows, doors, any wall opening, shrubs or vegetation over 12 inches (30.5 cm) in height.
- Standby generator weatherproof enclosure must have a minimum of 4 feet (1.2 m) overhead clearance from any structure, overhang or trees.
- DO NOT place weatherproof enclosure under a deck or other type of structure that may confine airflow.
- USE ONLY flexible steel fuel line provided. Connect provided fuel line to generator, DO NOT use with or substitute any other flexible fuel line.
- Smoke detector(s) MUST be installed and maintained indoors according to the manufacturer's instructions/ recommendations. Carbon monoxide alarms cannot detect smoke.
- DO NOT place weatherproof enclosure in manner other than shown in illustrations.

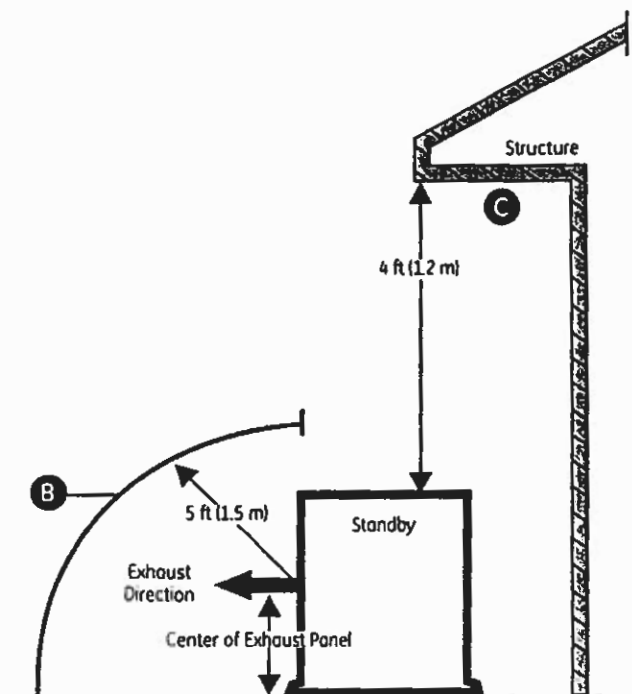
Examples of standby generator locations to reduce the risk of fire:

Legend for Generator Locations to reduce the risk of fire.

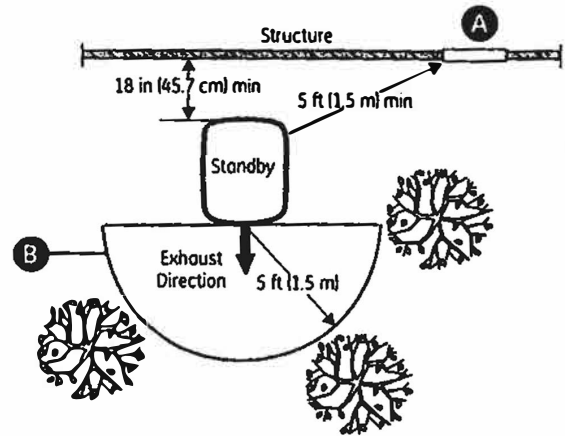
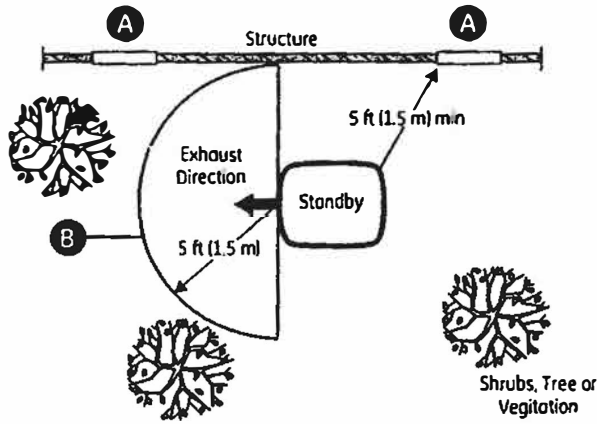
- A** Standby weatherproof enclosure must be at least 5 ft (1.5 m) from windows, doors, any wall opening, shrubs or vegetation over 12 inches (30.5 cm) in height.
- B** Exhaust outlet side of weatherproof enclosure must have at least 5 ft (1.5 m) minimum clearance from any structure, shrubs, trees or any kind of vegetation.
- C** Standby weatherproof enclosure must have a minimum of 4 feet (1.2 m) overhead clearance from any structure, overhang or trees.

NOTICE DO NOT place weatherproof enclosure under a deck or other type of covered structure that may confine airflow.

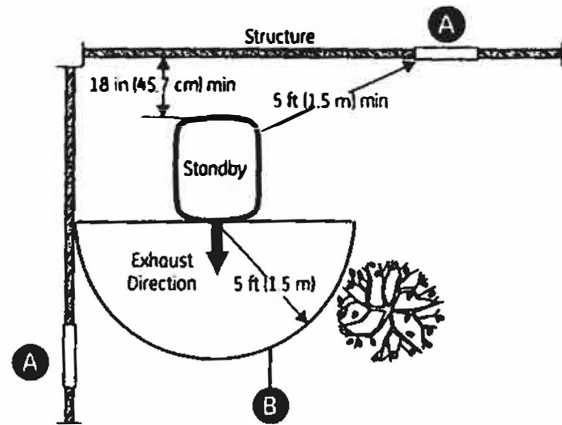
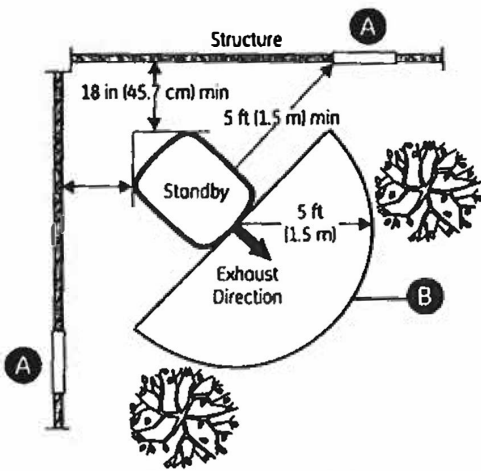
Vertical Clearances



Single Structure Installations



Two Structure Installations



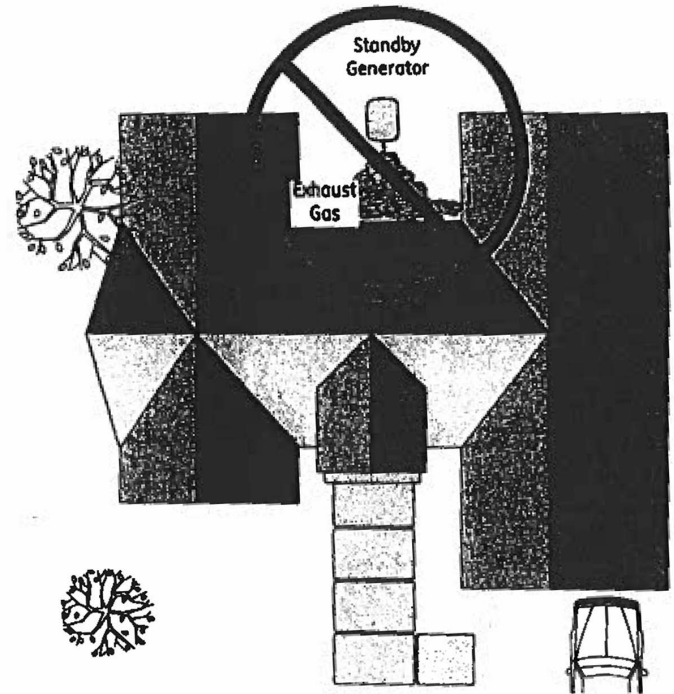
Legend for Generator Locations to reduce the risk of fire.

- A** Standby weatherproof enclosure must be at least 5 ft (1.5 m) from windows, doors, any wall opening, shrubs or vegetation over 12 inches (30.5 cm) in height.
- B** Exhaust outlet side of weatherproof enclosure must have at least 5 ft (1.5 m) minimum clearance from any structure, shrubs, trees or any kind of vegetation.
- C** Standby weatherproof enclosure must have a minimum of 4 feet (1.2 m) overhead clearance from any structure, overhang or trees.

NOTICE DO NOT place weatherproof enclosure under a deck or other type of covered structure that may confine airflow.

- Direct the standby generator exhaust away from or parallel to the building or structure. DO NOT direct the generator exhaust towards a potentially occupied building, structure, windows, doors, ventilation intakes, soffit vents, crawl spaces, open garage doors or other openings where exhaust gas could accumulate and enter inside or be drawn into a potentially occupied building or structure.

- DO NOT place standby generator in any area where leaves or debris normally accumulates. Position standby generator in an area where winds will carry the exhaust gas away from any potentially occupied building or structure.



Other General Location Guidelines

- Place the standby generator in a prepared location that is flat and has provisions for water drainage.
- Install the standby generator in a location where sump pump discharge, rain gutter down spouts, roof run-off, landscape irrigation, or water sprinklers will not flood the unit or spray the enclosure and enter any air inlet or outlet openings.
- Install the standby generator where it will not affect or obstruct any services (including covered, concealed and underground), such as telephone, electric, fuel (natural gas / LPG vapor), irrigation, air conditioning, cable, septic, sewer, well and so forth.
- Install the standby generator where leaves, grass, snow, etc will not obstruct air inlet and outlet openings. If prevailing winds will cause blowing or drifting, you may need to construct a windbreak to protect the unit.

National Fire Protection Association (NFPA) Standard NFPA 37 Requirements and Testing

Requirements:

NFPA 37 2010, section 4.1.4, Engines Located Outdoors. Engines, and their weatherproof housings if provided, that are installed outdoors shall be located at least 1.5m (5 ft) from openings in walls and at least 1.5 m (5 ft) from structures having combustible walls. A minimum separation shall not be required where either of the following conditions exist:

1. The adjacent wall of the structure has a fire resistance rating of at least 1 hour.
2. The weatherproof enclosure is constructed of noncombustible materials and it has been demonstrated that a fire within the enclosure will not ignite combustible materials outside the enclosure. *

* Annex A Explanatory Material

A 4.1.4 (2) Means of demonstrating compliance are by means of full-scale fire tests or by calculation procedures, such as those given in NFPA 555, *Guide on Methods for Evaluating Potential for Room Flashover*.

To comply with condition 2 above the weatherproof enclosure has been constructed completely of non-combustible materials and full-scale fire tests have been conducted to demonstrate that a fire within the enclosure will not ignite combustible materials outside the enclosure.

A U.S. Department of Labor Occupational Safety & Health Administration (OSHA) Nationally Recognized Testing Laboratory (NRTL) performed full scale fire demonstration testing. This 3rd party independent NRTL evaluated many worst-case ignition scenarios. The results of the demonstration testing concluded that a fire within the enclosure would not ignite combustible materials outside the enclosure.