



**TOWN OF ISLIP
DEPARTMENT OF PLANNING AND DEVELOPMENT
DIVISION OF ENGINEERING AND CONTRACTS**

Angie M. Carpenter, Supervisor Christopher H. Poelker, P.E., Town Engineer
ONE MANITTON COURT · ISLIP · NEW YORK · 11751 · TEL: (631) 224-5360 · FAX: (631) 224-5365

EMERGENCY GENERATORS: COMMERCIAL INSTALLATIONS

Commercial Installations; provide the following in your design, and provide to the Division of Engineering for their consideration and review:

- **Existing and Proposed Conditions Plan:** Provide an accurate survey of the area within 75' of any disturbance required by the proposed installation. (Include to scale, the proposed generator location, curb, walk, landscaped areas, pavement, parking, overhead and underground utilities, including storm drainage structures and sanitary structures). Also, provide construction details appropriate to the proposed work. **PLEASE NOTE:** Generator installation are not allowed within areas designated as buffer areas.
- **NFPA Compliance:** Provide proof of compliance with the latest NFPA 37 – Section 4.1.4 – Engines Located Outdoors. Identify locations of nearest windows, doors or ventilation inlet points and distance separation to generator installations, for adjacent structures, including neighboring property, when applicable.

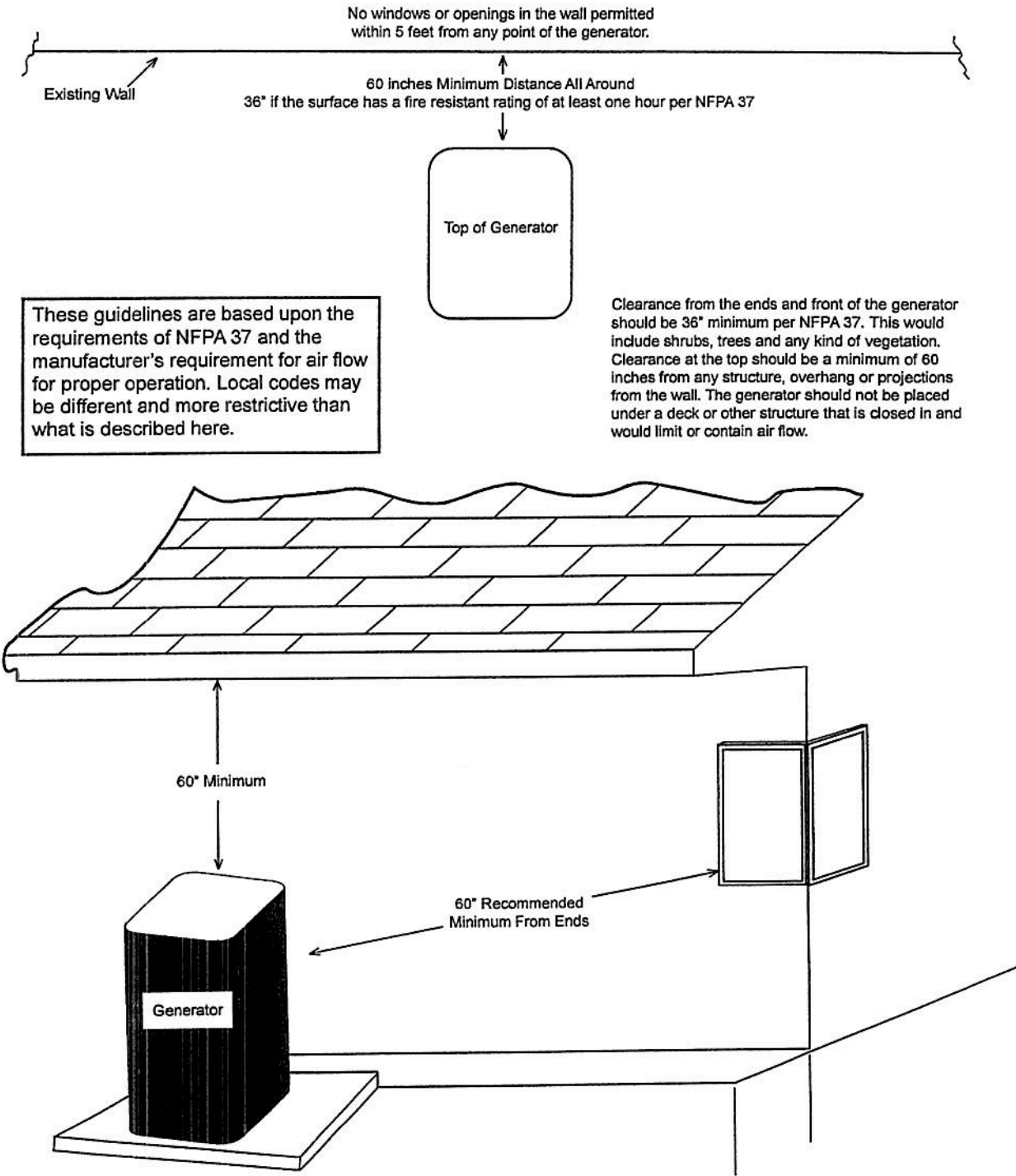
NFPA 37 – 2010 Edition

4.1.4 Engines Located Outdoors. Engines, and their weatherproof housings if provided, that are installed outdoors shall be located at least 5 feet from openings in walls and at least 5 feet from structures having combustible walls. A minimum separation shall not be required where 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.*

- **Manufacturer's Information:** Provide manufacturer's catalog cut sheets identifying specific unit proposed and any supplemental equipment proposed.
- **Noise Mitigation:** Generators emit noise. Applicants are responsible for noise produced by the proposed generator. During operation, if noise complaints are received, applicant shall be required to provide documentation from an appropriate testing firm that the operating installation conforms to Table 35.1 of Town Code Chapter 35, "Noise".
- **Visual Screening:** Provide a means of visual screening of installations from off-site view. Solid panel fencing and evergreen trees/shrubs are effective for both visual screening and noise mitigation purposes.
- **Generator Maintenance:** Exercising of the generator, keeping the equipment "at the ready" shall be performed only between the hours of 8am to 6pm, Monday through Friday.
- **Generator Protection:** Application dependent, provide a means of protecting generator installations from adjacent vehicular access areas and other potential conflicts.

MINIMUM CLEARANCE REQUIREMENTS



These guidelines are based upon the requirements of NFPA 37 and the manufacturer's requirement for air flow for proper operation. Local codes may be different and more restrictive than what is described here.

Clearance from the ends and front of the generator should be 36" minimum per NFPA 37. This would include shrubs, trees and any kind of vegetation. Clearance at the top should be a minimum of 60 inches from any structure, overhang or projections from the wall. The generator should not be placed under a deck or other structure that is closed in and would limit or contain air flow.

NOTE:

Failure to follow these minimum clearance guidelines may result in the generator failing inspection by the local building, electrical or fire inspector requiring the generator be reinstalled in the correct location.