



Village of Glen Ellyn
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Guideline For Installation of a Standby Generator

Purpose: To provide a guideline for standby generator application submittals and a code compliant installation.

1. Table 10-5-5(B)4

Click on: [PERMITTED OBSTRUCTIONS AND ACCESSORY STRUCTURES IN REQUIRED SETBACKS](#)

Setback Requirements:

- An emergency generator may be located 5% of lot width (but not less than 2.5 feet— whichever is greater) away from the **SIDE** or **REAR** property line provided it is tested only between the hours of 9:00 AM and 5:00 PM once a week for a maximum of 30 minutes.
- Generators are not allowed in the front yard without approval of the Community Development Director.

All sides of equipment visible from public way shall be obscured by a variety of plant material ora screen wall.

2. Submittal Requirements:

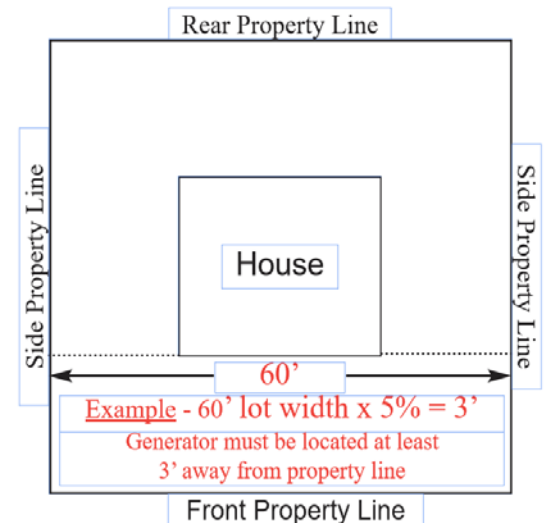
- 3 Copies of Plat of Survey (Must show proposed location of generator.)
- 3 Copies of Generator and Transfer switch Specifications
- 3 Copies of Electrical one-line drawing (Must show locations of equipment, conduit, and wire sizes, and grounding/bonding.)

A one-line drawing must be submitted to include:

- The Electric Meter
- Transfer Switch
- Main Electrical Panel
- Conductor Sizing
- Generator
- Bonding and Grounding Locations
- Type of Base for Generator

Additional Requirements:

- CL2 (Class 2) wiring, low voltage of 30 volts or less with low current, is only allowed in conduit with power wiring where part of a approved Nationally Recognized Testing Laboratory (NRTL) listed assembly provided by the Original Equipment Manufacturer (OEM) and unmodified by the installer.



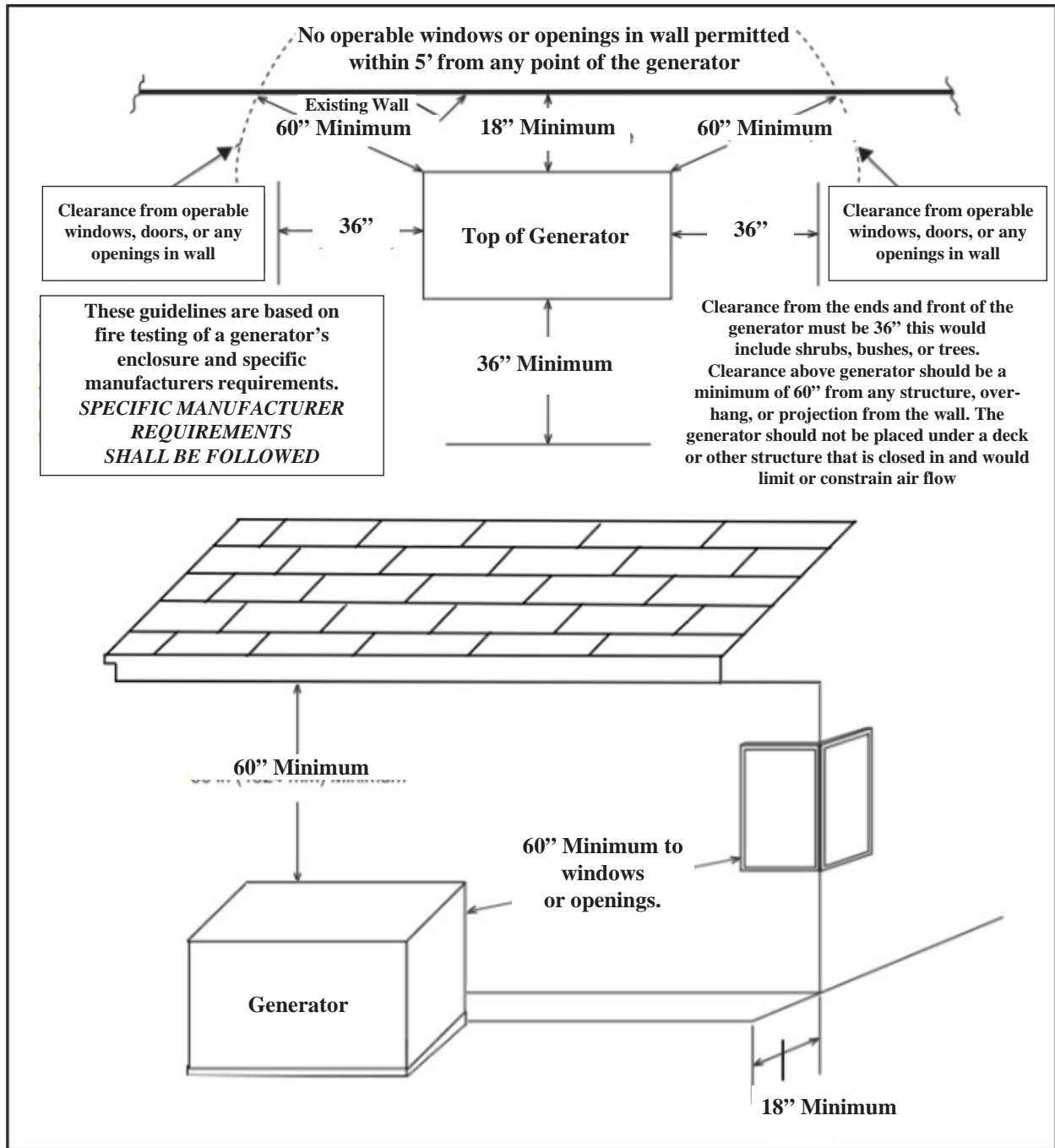
- Field installed and installer modified or provided CL2 wiring shall be installed in a separate conduit with no power or CL1 wiring installed therein.
- NOTE: All exterior iron/steel gas pipe and fittings shall be covered with a rust inhibiting paint or coating where exposed on the exterior of a building.
- All generators and transfer switches shall be Nationally Recognized Testing Agency (NRTL) listed and labeled and installed per listing and manufacturer's installation instructions.
- No windows or openings in the wall permitted within 5 feet from any point of the generator. Clearance from windows, doors, any openings in the wall, shrubs, or vegetation over 12'' in height per manufacturer's requirements.
- Clearance from the ends and front of the generator should be 36 inches. This would include shrubs, trees, and any kind of vegetation. Clearance at the top should be a minimum of 48 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 restrict air flow.
- These guidelines are based upon fire testing of the generator enclosure and the manufacturer's requirement for air flow for proper operation.

Requirements of National Fire Protection Agency (NFPA) 37:

4.1.4 Engines Located Outdoors. Engines, and their weather-proof housings if provided, that are installed outdoors shall be located at least 1.5m (5ft.) from openings in walls and at least 1.5m (5ft) 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. Minimum separation shall be as specified in manufacturer's installation instructions.

Typical setback requirements are outlined below,
 - *Specific Manufacturer Installation Requirements Shall be followed-*



ONE LINE DRAWING EXAMPLE

Please Submit Your Specific Installation - One Line Drawing

