



## **CITY OF WINTER SPRINGS**

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### **PERMITTING & INSTALLATION GUIDE FOR RESIDENTIAL WHOLE HOUSE GENERATORS**

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**Scope and Intent:** This guide is intended to provide general information for the placement of Whole House Generators on residential property and to provide consistency in the enforcement of the City of Winter Springs regulations.

*NOTE: This guide may not cover all situations or circumstances regarding generator installation. Please contact the Building Division at 407-327-5963 for more information on specific installations.*

#### **Permit Required:**

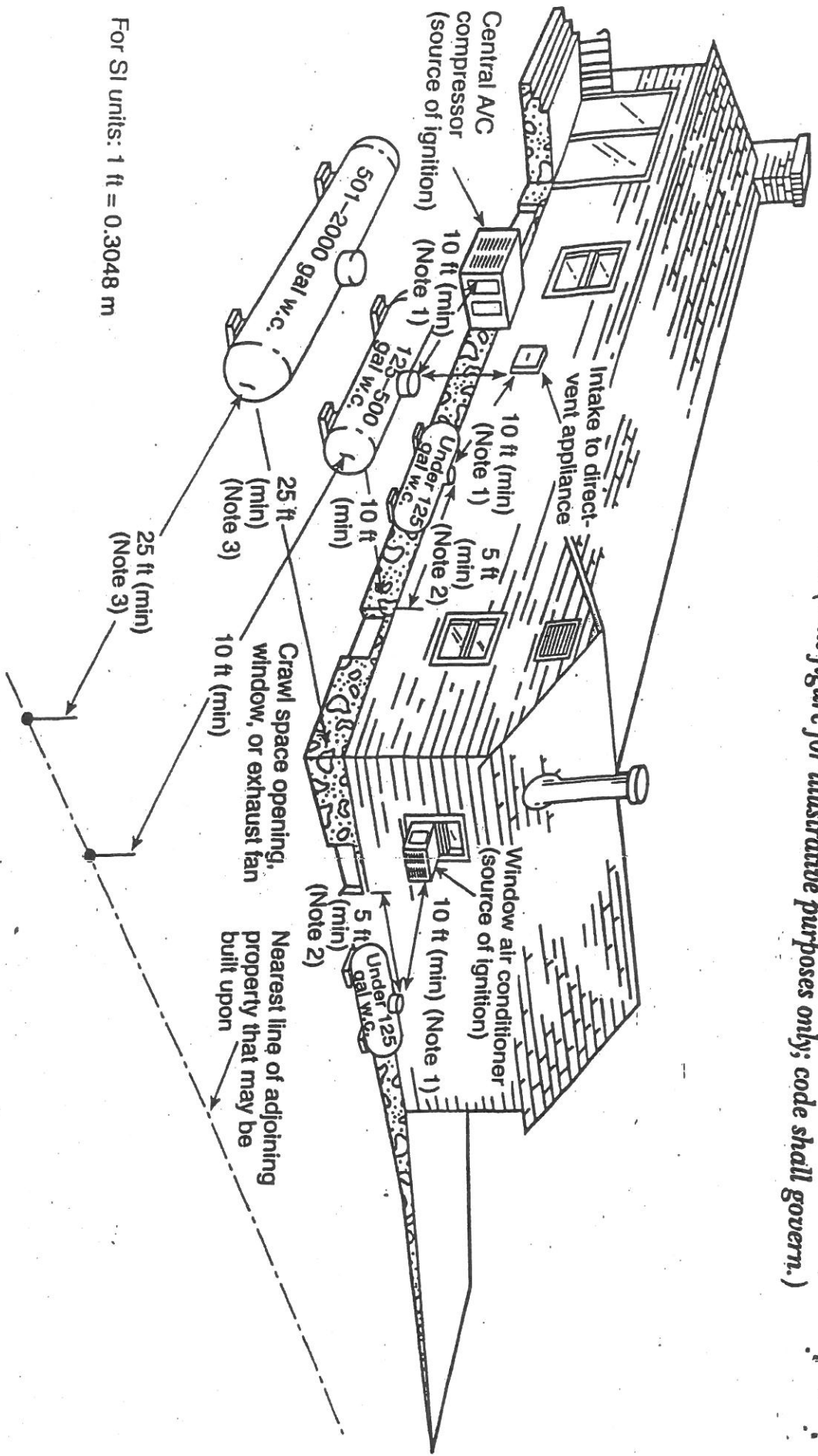
- An electrical permit must be obtained prior to installation.
- Propane tank and/or natural gas piping installation work must be performed by a licensed plumbing or mechanical sub-contractor, or an LP gas installer licensed by the Florida Department of Agriculture and Consumer Services.
- **Required for a submittal and plan review:**
  - Completed Permit application including a Fuel Source application.
  - A property survey or plot plan showing the measurements from the property lines to the proposed location of the generator, electric service equipment, and the propane tank if applicable.
  - A copy of the generator manufacturer's specifications and installation instructions.
  - A riser diagram for electric service equipment and transfer switch installation.
  - A gas riser diagram showing gas piping size, material type, etc.

#### **Additional Requirements and Information:**

- Generator installations must comply with current editions of: Florida Building Code, National Electric Code, Florida Building Code Fuel Gas, Florida Fire Prevention Code, and applicable standards of the National Fire Protection Association (NFPA).
- Generators must be installed at least 5 feet away from any building openings (windows, doors, etc.) and at least 5 feet away from any walls made of combustible materials per [NFPA 37] requirements.

- Above ground and underground LP Gas storage tanks must comply with NFPA 58 TABLE 6.3.1 for distances to buildings and property lines.
- Please provide minimum access clearances from the buildings and property lines on the diagram for all four sides of generator in accordance with the manufacturer's installation instructions.
- *NOTE: Most manufacturers require at least 3 feet of clearance; this may affect the location of generators on properties with narrow side yards.*
- Generators should be placed as close as possible to the building's electric service meter/main disconnect.
- The electric service meter/main disconnect location must be permanently labeled indicating an alternate power source (generator) is connected to the electric system.
- Generators are subject to the City of Winter Springs noise ordinance regulations; consideration of neighbors should be made in the selection of generator location.
- Generators may not be placed within any dedicated easement without a right-of-way use permit.
- Generators may not be placed within five feet of any septic system drain field or impede access to septic tank covers or cleanouts.
- Notice of Commencement if value of work is over \$2,500.00.

... AND LIQUID CONTAINERS. (This figure for illustrative purposes only; code shall govern.)



For SI units: 1 ft = 0.3048 m

Note 1: Regardless of its size, any ASME container filled on site must be located so that the filling connection and fixed maximum liquid level gauge are at least 10 ft from any external source of ignition (e.g., open flame, window A/C, compressor), intake to direct-vented gas appliance, or intake to a mechanical ventilation system. Refer to 3.2.2.2(d).

Note 2: Refer to 3.2.2.2(c)

Note 3: This distance may be reduced to no less than 10 ft for a single container of 1200 gal (4.5 m<sup>3</sup>) water capacity or less, provided such container is at least 25 ft from any other LP-Gas container of more than 125 gal (0.5 m<sup>3</sup>) water capacity. Refer to 3.2.2.2(e).