

## Placement of Standby Generator to REDUCE THE RISK OF FIRE

### 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. \*

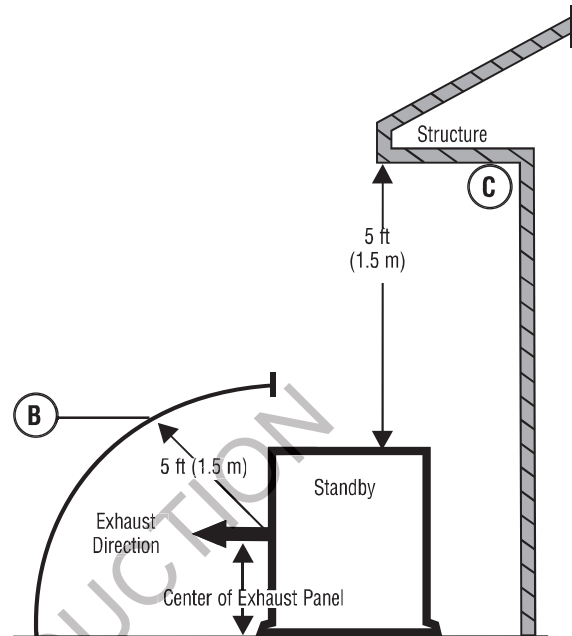
### Annex A Explanatory Material

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.

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

### Vertical Clearances



### Legend for Generator Locations to reduce the risk of fire.

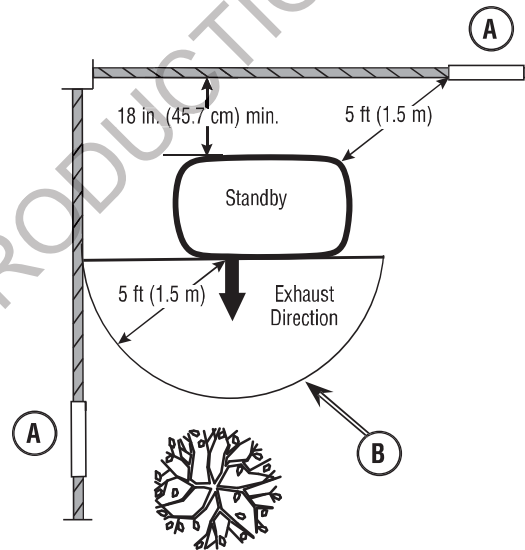
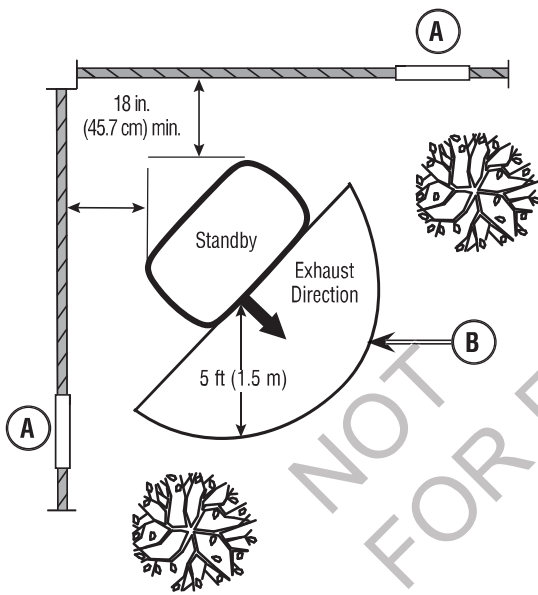
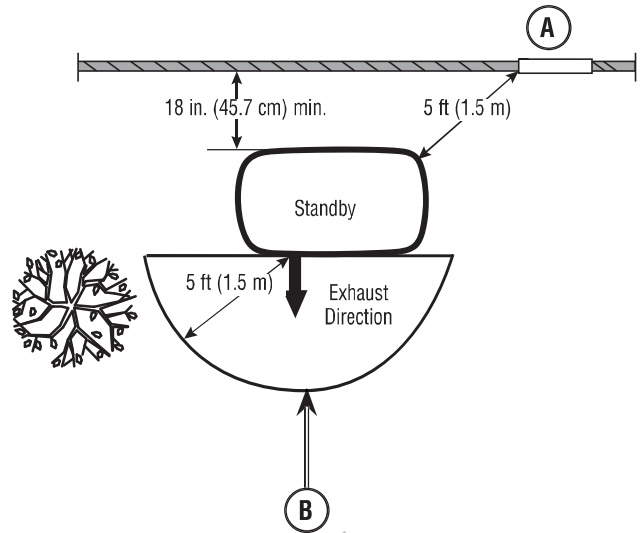
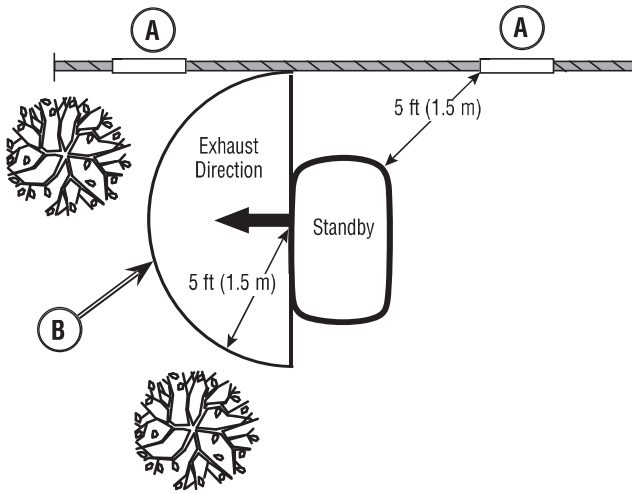
- A** Standby weatherproof enclosure must be at least 5 ft (1.5 m) from windows, doors, any wall opening, shrubs or vegetation over 12 inches (30.5 cm) in height.
- B** Exhaust outlet side of weatherproof enclosure must have at least 5 ft (1.5 m) minimum clearance from any structure, shrubs, trees or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

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

- 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 5 ft. (1.5 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 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.

## Generator Installations



### Legend for Generator Locations to reduce the risk of fire.

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