

TO: ALL BUILDING DIVISION PERSONNEL
FROM: DOUG WISE
BUILDING DIVISION DIRECTOR
PREPARED BY: BUILDING DIVISION
SUBJECT: LIQUIFIED PETROLEUM (L.P.) GAS CONTAINER LOCATION
PPM #: PB-O-105

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ISSUE DATE
September 11, 2024

EFFECTIVE DATE
September 11, 2024

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PURPOSE:

To implement enforcement procedures for the location of L.P. Gas Containers, **for 1 & 2 Family Dwellings only**. Multi-Family Dwellings and Non-Residential uses are not included in this PPM. Setbacks/separations for tanks located on other than 1 & 2 Family Dwelling sites **shall** be established by Palm Beach County Fire Rescue.

AUTHORITY:

Section 101.4.1 Palm Beach County Amendments to the Florida Building Code, and NFPA 58-24

POLICY:

Liquid Petroleum gas containers shall be located in accordance with NFPA 58, Table 6.4.1.1 (2 pages attached). When an L.P. gas container is located closer than 10 feet, or other minimum separation indicated in Table 6.4.1.1 to a property line, the following procedure shall be used.

PROCEDURE:

The applicant for an L.P. Tank Permit shall submit a copy of a Formboard or Final Survey for the property that the tank will serve, along with the appropriate application and fees. The applicant will indicate the location of the tank on the survey. Under special circumstances the applicant may request permission from the Building Director/ Building Official to determine, if possible, an exception to NFPA 58-24 table, 6.4.1.1.



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Supersession History

1. PPM# PB-O-105, issued 05/27/98
2. PPM# PB-O-105, effective 06/01/98
3. PPM# PB-O-105, issued 6/15/98
4. PPM# PB-O-105, issued 04/03/12
5. PPM# PB-O-105, revised 5/31/24

TABLE 6.4.1.1 Separation Distances Between Containers, Important Buildings, and Line of Adjoining Property That Can Be Built Upon

Water Capacity per Container		Minimum Distances							
		Mounded or Underground Containers ^a		Aboveground Containers		Between Containers ^b			
		gal	m ³	ft	m	ft	m	ft	m
<125 ^c	<0.5 ^c	10	3	0 ^d	0 ^d	0	0		
125-250	0.5-1.0	10	3	10	3	0	0		
251-500	>1.0-1.9	10	3	10	3	3	1		
501-2,000	>1.9-7.6	10	3	25 ^e	7.6	3	1		
2,001-30,000	>7.6-114	50	15	50	15	5	1.5		
30,001-70,000	>114-265	50	15	75	23				
70,001-90,000	>265-341	50	15	100	30	¼ of sum of			
90,001-120,000	>341-454	50	15	125	38	diameters of			
120,001-200,000	>454-757	50	15	200	61	adjacent			
200,001-1,000,000	>757-3,785	50	15	300	91	containers			
>1,000,000	>3,785	50	15 ^e	400	122				

^a See 6.4.2.1.

^b See 6.4.4.5.

^c See 6.4.4.4.

^d See 6.4.4.1, 6.4.4.2, 6.4.4.3, and 6.4.4.4.

^e See 6.4.1.3.

TABLE 6.4.1.1 Separation Distances Between Containers, Important Buildings, and Line of Adjoining Property That Can Be Built Upon

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		Mounded or Underground Containers ^a		Aboveground Containers		Between Containers ^b	
gal	m ³	ft	m	ft	m	ft	m
<125 ^c	<0.5 ^c	10	3	0 ^d	0 ^d	0	0
125-250	0.5-1.0	10	3	10	3	0	0
251-500	>1.0-1.9	10	3	10	3	3	1
501-2,000	>1.9-7.6	10	3	25 ^e	7.6	3	1
2,001-30,000	>7.6-114	50	15	50	15	5	1.5
30,001-70,000	>114-265	50	15	75	23		
70,001-90,000	>265-341	50	15	100	30		
90,001-120,000	>341-454	50	15	125	38		
120,001-200,000	>454-757	50	15	200	61		
200,001-1,000,000	>757-3,785	50	15	300	91		
>1,000,000	>3,785	50	15 ^f	400	122		

^a See 6.4.2.1.

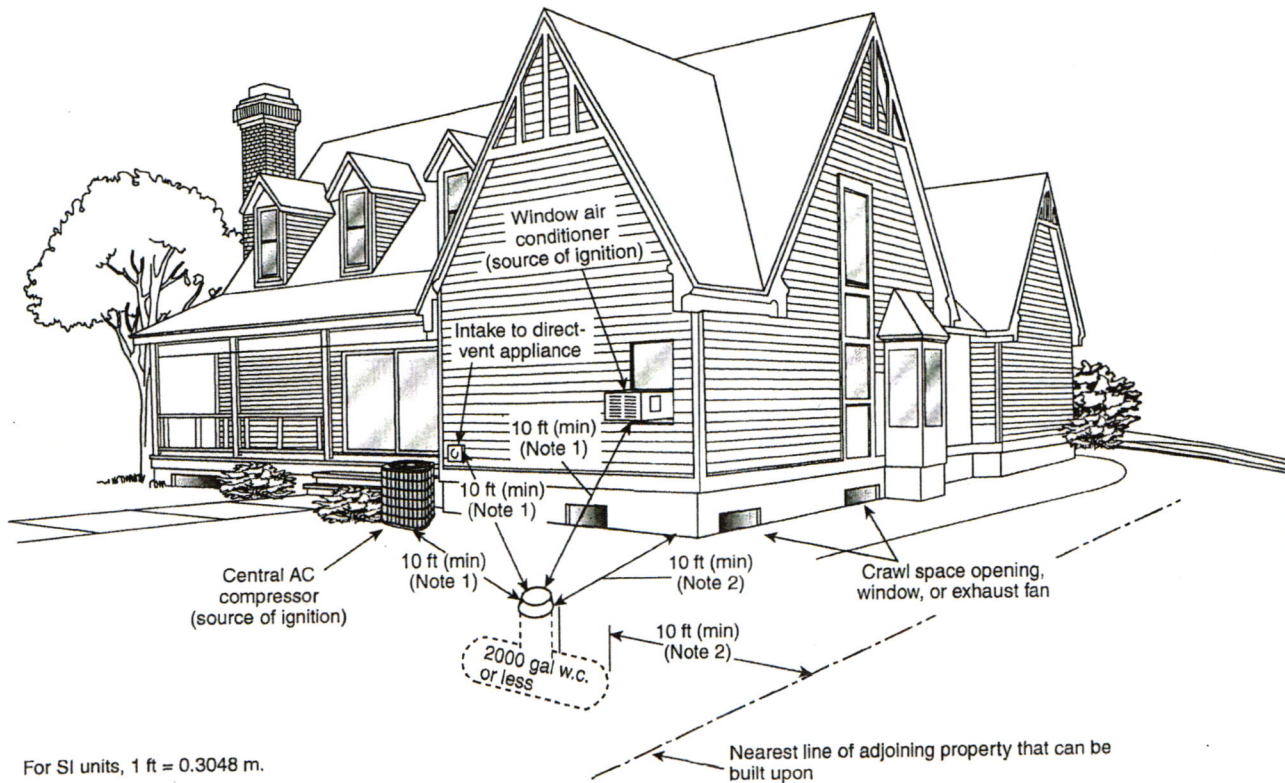
^b See 6.4.4.5.

^c See 6.4.4.4.

^d See 6.4.4.1, 6.4.4.2, 6.4.4.3, and 6.4.4.4.

^e See 6.4.1.3.

^f See 6.4.1.3.

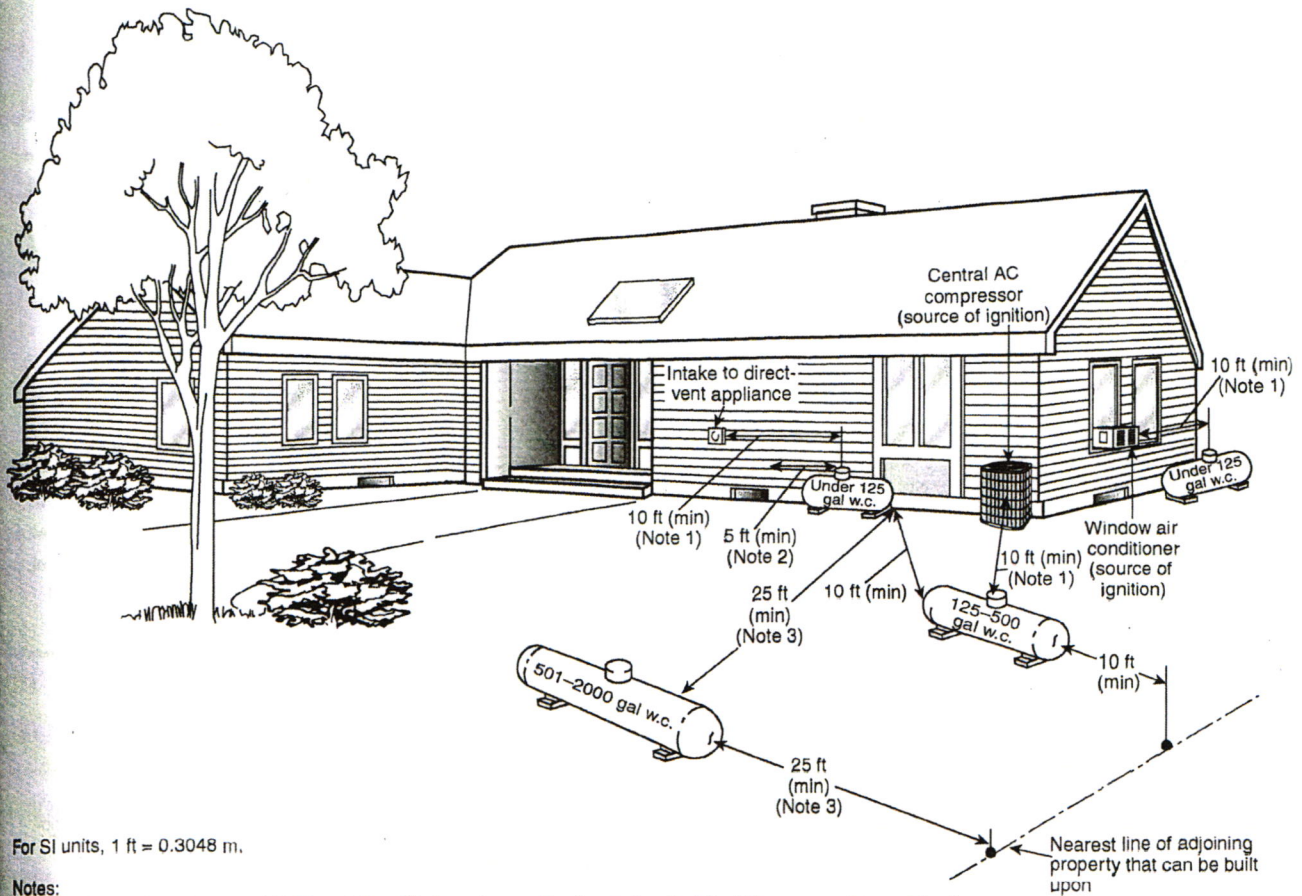


For SI units, 1 ft = 0.3048 m.

Notes:

- (1) The relief valve, filling connection, and fixed maximum liquid level gauge vent connection at the container must be at least 10 ft from any exterior source of ignition, openings into direct-vent appliances, or mechanical ventilation air intakes. Refer to 6.3.4.4.
- (2) No part of an underground container can be less than 10 ft from an important building or line of adjoining property that can be built upon. Refer to 6.3.2.3.

FIGURE I.1(c) Underground ASME Containers. (Figure for illustrative purposes only; code compliance required.)



For SI units, 1 ft = 0.3048 m.

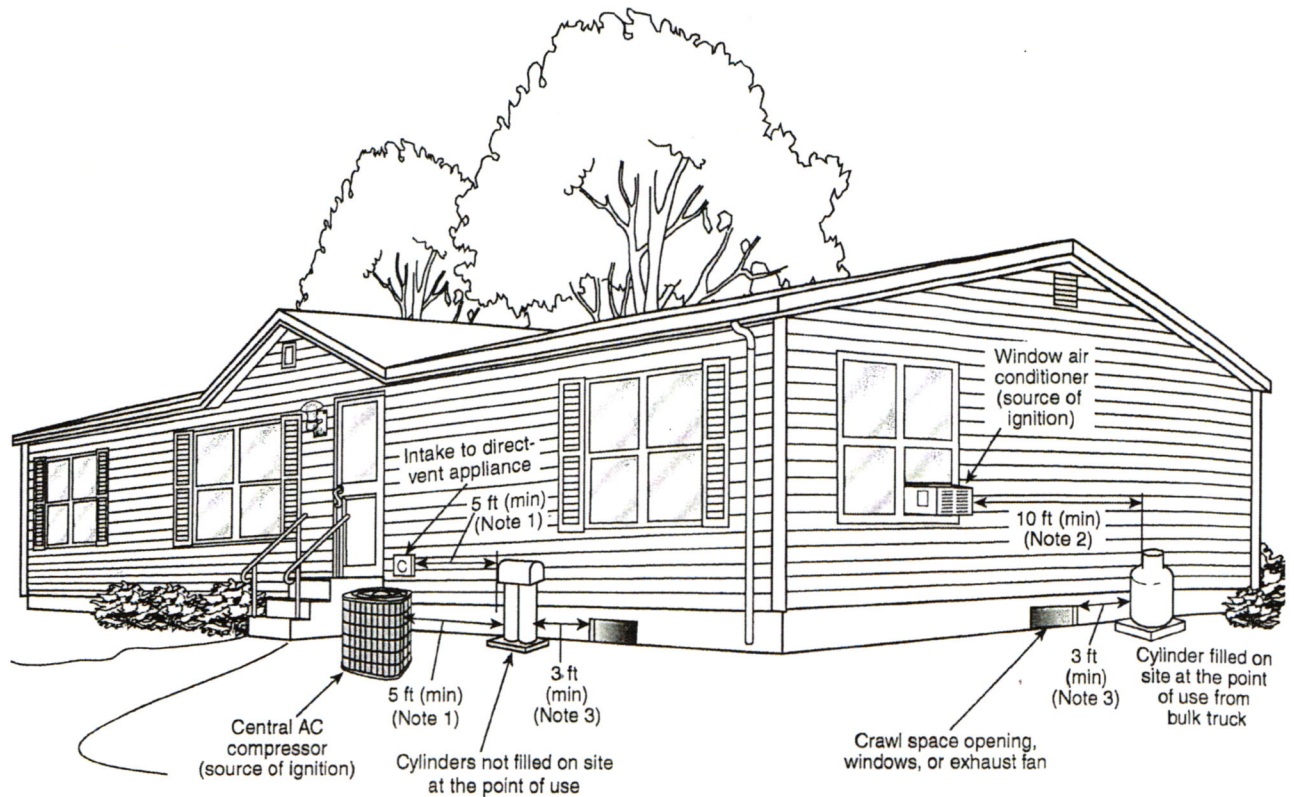
Notes:

(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 AC, compressor), intake to direct-vented gas appliance, or intake to a mechanical ventilation system. Refer to 6.3.4.4.

(2) Refer to 6.3.4.3.

(3) This distance can be reduced to no less than 10 ft for a single container of 1200 gal (4.5 m³) 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 m³) water capacity. Refer to 6.3.1.3.

FIGURE I.1(b) Aboveground ASME Containers. (Figure for illustrative purposes only; code compliance required.)



For SI units, 1 ft = 0.3048 m.

Notes:

- (1) 5 ft minimum from relief valve in any direction away from any exterior source of ignition, openings into direct-vent appliances, or mechanical ventilation air intakes. Refer to Table 6.3.4.3.
- (2) If the cylinder is filled on site at the point of use from a cargo tank motor vehicle, the filling connection and vent valve must be at least 10 ft from any exterior source of ignition, openings into direct-vent appliances, or mechanical ventilation air intakes. Refer to 6.3.4.4.
- (3) Refer to 6.3.4.3.

FIGURE I.1(a) Cylinders. (Figure for illustrative purposes only; code compliance required.)