



**Skamania County
Building Department**

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Propane Containers Separation Distances NFPA 58 – 2017 Edition

Please contact the Skamania County Building Department with any questions.

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		
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	400	122		

^aSee 6.4.2.1.

^bSee 6.4.4.5.

^cSee 6.4.4.4.

^dSee 6.4.4.1, 6.4.4.2, 6.4.4.3, and 6.4.4.4.

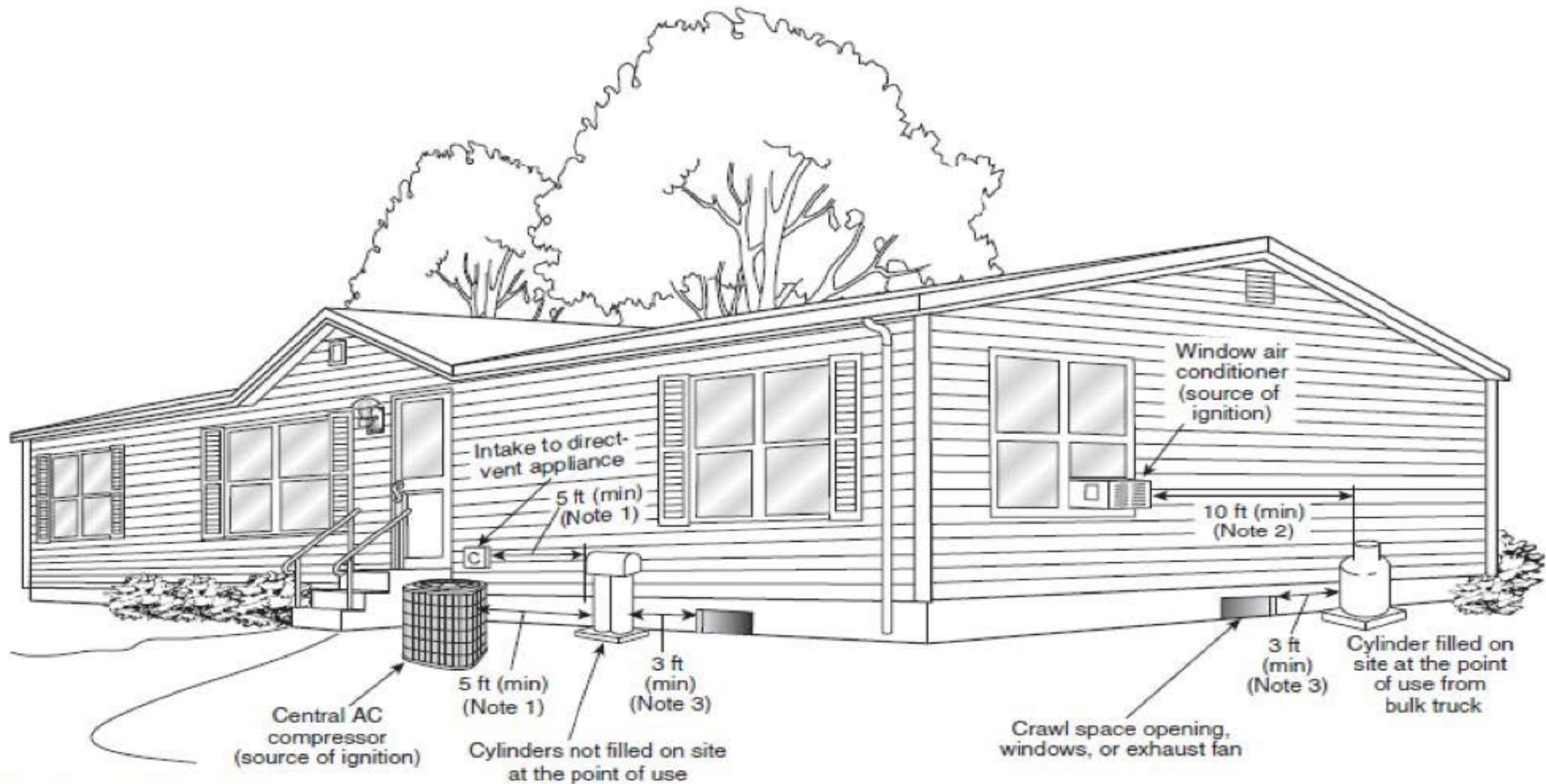
^eSee 6.4.1.3.



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



For SI units, 1 ft = 0.3048 m.

Notes:

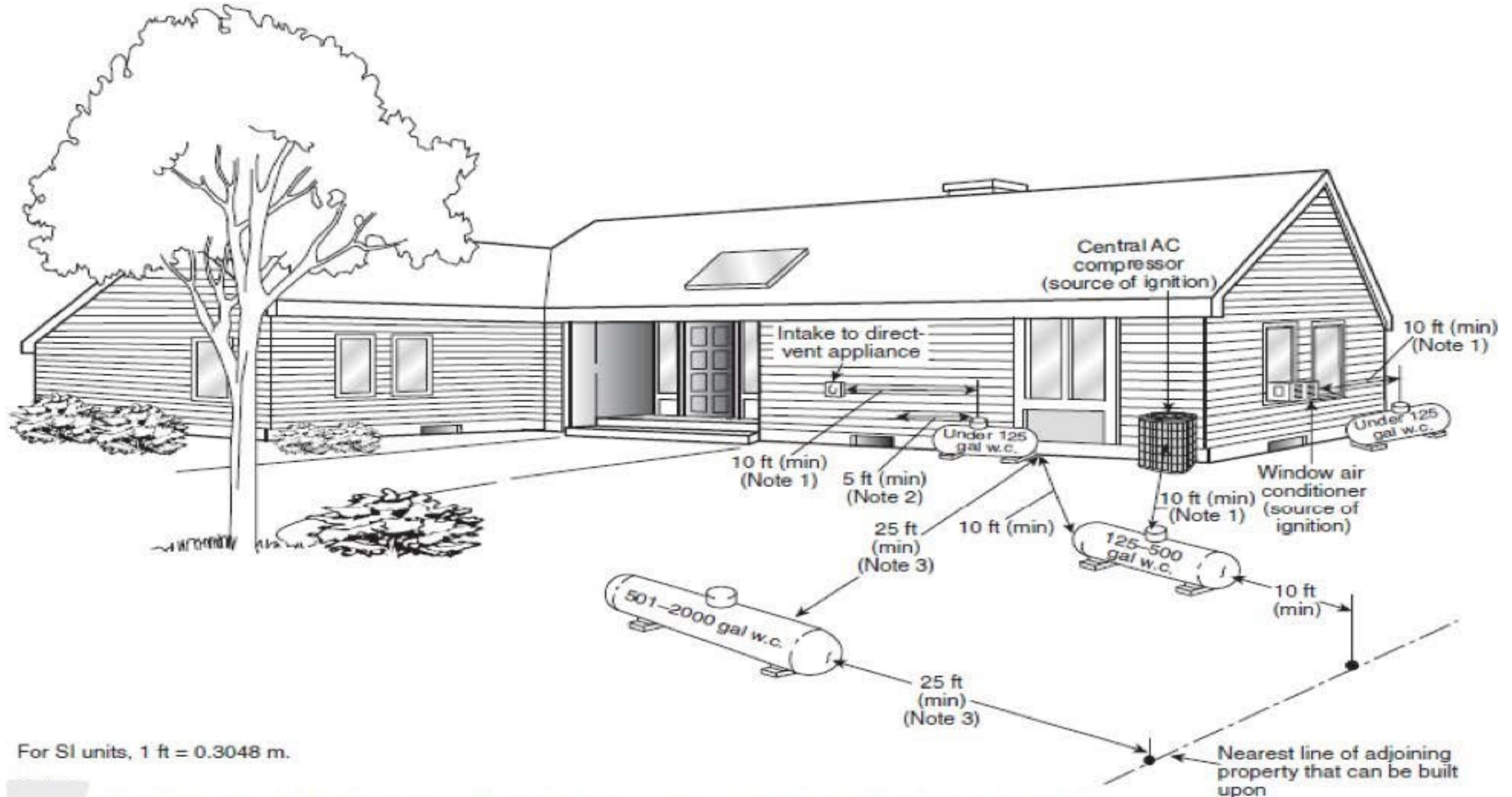
- (1) 5ft minimum from relief valve in any direction away from any exterior source of ignition, openings into direct-vent appliances, or mechanical ventilation air intakes. Refer to Table 6.3.4.3
- (2) If the cylinder is filled on site at the point of use from cargo tank motor vehicle, the filling connection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



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



For SI units, 1 ft = 0.3048 m.

Notes:

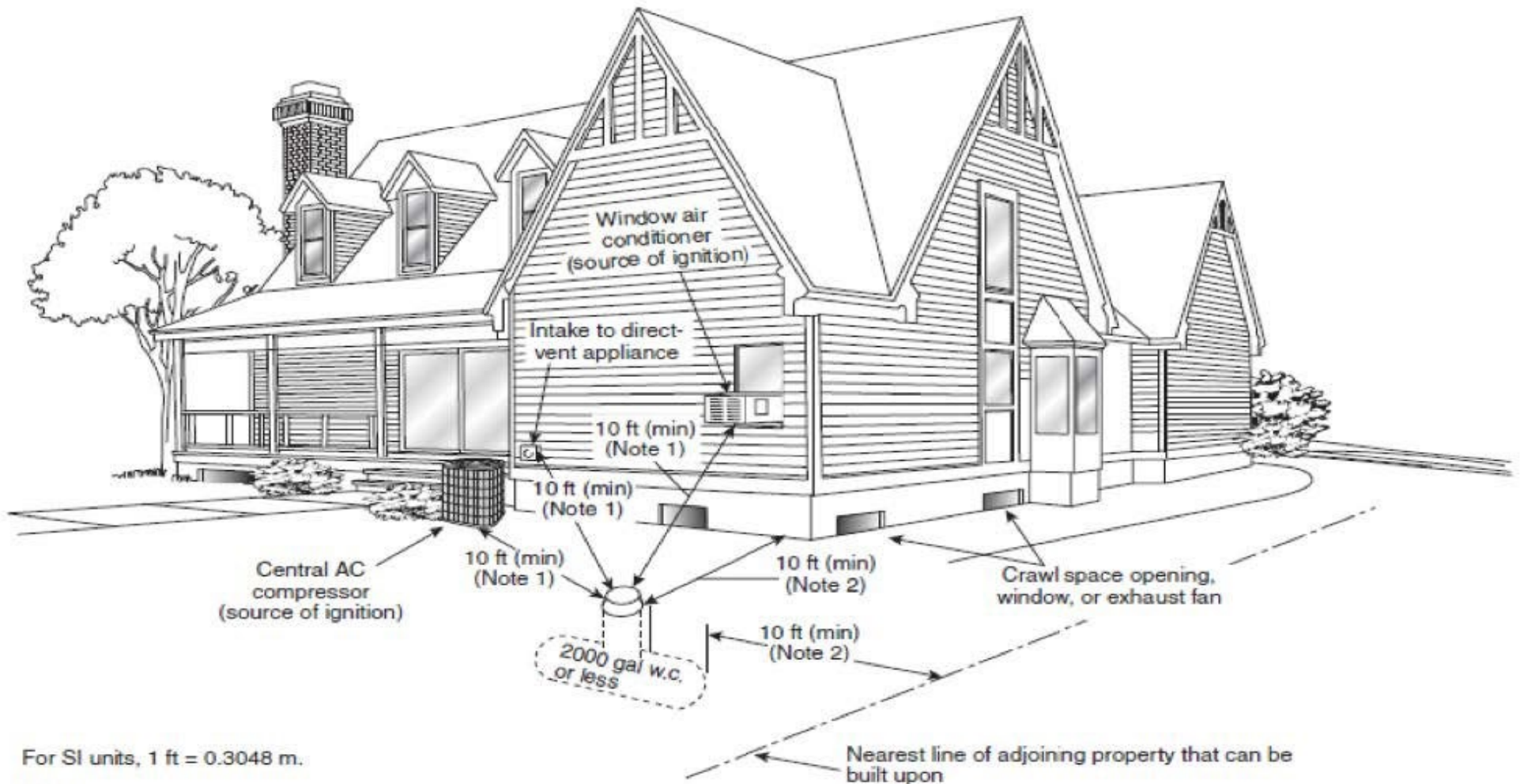
- (1) Regardless of its size, any ASME container filled on site must be located so the filling connection and fixed maximum liquid level guage are at least 10ft from any external source of ignition (e.g., open flame, window AC, compressor), intake to direct-vent gas appliance, or intake to a mechanical 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 10ft for a single container of 1200 gal (4.5 m³) water capacity or less, provided such container is at least 25ft from any other LP-Gas container of more than 125 gal (0.5 m³) water capacity. Refer to 6.3.1.3



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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) The relief valve, filling connection, and fixed maximum liquid level gauge vent connection at the container must be at least 10ft 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 10ft from the important building or line of adjoining property that can be built upon. Refer to 6.3.2.3