

COUNTY COUNCIL OF BALTIMORE COUNTY, MARYLAND
Legislative Session 2021, Legislative Day No. 5

Bill No. 14-21

Mr. Julian E. Jones Jr., Chairman
By Request of County Executive

By the County Council, March 1, 2021

A BILL
ENTITLED

AN ACT concerning

The Fire Prevention Code of Baltimore County

FOR the purpose of adopting the Fire Prevention Code of Baltimore County; repealing the 2017 Fire Prevention Code; making amendments to the Fire Prevention Code of Baltimore County; making the provisions of this act severable; and generally relating to the Fire Prevention Code of Baltimore County.

By repealing and reenacting, with amendments,

Section 14-2-102
Article 14. Fire Protection
Baltimore County Code, 2015

BY adopting, with amendments,

The NFPA 1 Fire Code, 2018 Edition and NFPA, 101 Life Safety Code, 2018 Edition

BY repealing NFPA 1 Fire Code, 2015 Edition:

Sections 1.1.1(3), 1.6, 1.10 thru 1.10.6.6, 1.12.2, 1.12.2.1, 1.12.6.13, 1.12.8, Tables

EXPLANATION: CAPITALS INDICATE MATTER ADDED TO EXISTING LAW.

[Brackets] indicate matter stricken from existing law.

~~Strike out~~ indicates matter stricken from bill.

Underlining indicates amendments to bill.

1.12.8(a)(b)(c)&(d), 1.13.2, 1.13.12.4, 1.16.4.2, 2.2 NFPA 13 2013, NFPA 13D 2013, NFPA 13R 2013, 2.2 NFPA 150 & NFPA 5000, 3.2.2, 3.3.192.6, 3.3.192.7, 3.3.192.25, 3.3.192.26.3 , 3.3.192.28, 4.5.8.1, 4.5.8.3, 6.1.4.1, 6.1.9.1, 10.1.2 10.4.1, 10.4.2, 10.10.1, 10.10.1.1, 10.10.6 thru 10.10.6.2, 10.11.1.2, 10.11.1.6, 10.11.1.7, 10.11.1.8, 10.13.1.1, 10.13.3.1, 10.13.9.1, 10.14.2, 10.14.11.2.6, 10.15.1, 10.15.2, 10.15.5, 10.18.7, 10.19.1, 11.9.1, 13.1.5.1, 13.1.4.1, 13.2.2.2, 13.3.2.1, 13.3.2.26.2.3, 13.3.3.1,13.3.3.2, 13.5.2, 13.6.1.2, 13.6.4.1.2.1 thru 13.6.4.1.2.3, 13.7.2.28.1.1 13.7.2.28.1.2, 14.13.1.2, 16.4.3.1.3, 18.1.3.1, 18.1.3.2, 18.2.3.2.1, 18.5.3, 19.2.1.4, 19.2.1.4.1, 19.2.1.4.2, 20.3.4.1.1, 20.3.4.2.3.5.1, 20.3.4.2.3.6, 20.3.4.2.3.6.1, 25.2.2.1, 28.1.2.2.1.1, 31.3.6.3.1 thru 31.3.6.3.2.3, Chapter 35, 50.4.4.3.1, 65.2, 65.2.1, 65.2.2, 65.2.3, 65.3, 65.3.1, 65.3.2, 65.3.3, 65.4, 65.4.1, 65.4.2, 65.5, 65.5.1, 65.5.2, 65.6, 65.7, 65.7.1, 65.7.2, 65.8, 65.8.1, 65.8.2, 65.9, 65.9.1, 65.9.2.1,65.9.2.2, 66.6.2.

BY adding to NFPA 1: Fire Code, 2018 Edition:

Sections 1.1.1(3), 1.3.2.3.1, 1.3.2.1.1, 1.3.6.3.1, 1.6, 1.6, 1.7.7.7, 1.10, 1.10.5.1, 1.10.5.2, 1.10.11.2, 1.10.16.6, 1.10.16.7, 1.12.1.1, 1.12.2, 1.12.2.1, 1.12.2.5, 1.12.2.6, 1.12.2.7, 1.13.2, 1.16.6, 1.16.7, 2.2 NFPA 13 2016, NFPA 13D 2016, NFPA 13R 2016, 2.2.1, 3.2.2, 3.2.3.1, 3.2.3.2, 3.2.3.3, 3.3.192.6, 3.3.192.7, 3.3.192.25, 3.3.192.26.3, 3.3.192.28, 3.3.192.32, 3.3.292, 4.5.8.1, 4.5.8.3, 6.1.4.1, 6.1.9.1, 10.1.2, 10.1.6.1, 10.4.1, 10.5.6.1, 10.10.1.1, 10.10.1.5, 10.10.1.6, 10.10.2.1, 10.10.5.3, 10.10.6, 10.10.6.1,, 10.11.1.2, 10.11.1.3, 10.11.1.4, 10.11.1.5, 10.11.1.6, 10.11.1.7, 10.11.1.8, 10.11.1.9, 10.13.1.1, 10.13.1.2, 10.13.3.1,10.13.9.1, 10.14.2, 10.14.11.2.6, 10.15.1, 10.15.3.1, 10.15.5, 10.15.6, 10.15.7, 10.18.7, 10.18.7.1, 10.19.1, 10.20, 11.1.7.3.2, 11.1.9, 11.3.6.1.1, 11.5.1.11.3, 11.5.2.4, 11.5.2.4.1, 11.5.2.4.2, 11.5.2.4.3, 11.5.2.4.4, 11.9.1, 11.9.4(6), 11.12.1.1,

12.2.2.1.2, 11.12.2.2.2.3, 11.12.2.2.2.4, 13.1.4.1, 13.2.1.1, 13.2.2.2, 13.3.1.1.1, 13.3.1.1.2,
13.3.1.1.3, 13.3.1.2.1, 13.3.1.2.2, 13.3.1.2.3, 13.3.1.2.4, 13.3.1.2.5, 13.3.1.2.6, 13.3.1.2.7,
13.3.1.2.8, 13.3.1.8.3, 13.3.2.1, 13.3.2.1.1, 13.3.2.26.2.3, 13.3.2.27.6, 13.3.3.1, 13.3.3.2,
13.3.3.4.1.8.1, 13.4.1.1.1, 13.4.6.4.3, 13.5.2, 13.6.1.2, 13.6.1.2.1, 13.6.1.3.3.4,
13.6.1.6.1.2, 13.6.4.1.2.1, 13.6.4.1.1.7, 13.7.10.2, 13.7.1.13.1.1, 13.7.1.13.1.2,
13.7.1.13.1.3, 13.7.2.6.5, 13.7.2.13.3.3, 13.7.13.4.3, 13.7.13.5.3, 13.7.13.5.4, 13.7.13.5.5,
13.7.2.28.1.2, 13.7.2.28.1.3, 13.7.3.1.2, 13.7.3.1.3, 13.7.3.2.3.5.6, 13.8.1, 13.8.2, 13.8.3,
14.5.2.8.1(6), 14.13.1.2, 14.14.1.8.1, 16.4.3.1.3, 18.1.3.1, 18.1.3.2, 18.2.3.1.1.1,
18.2.3.2.1, 18.2.3.5.3, 18.3.2, 18.3.2.1, 18.3.2.2, 18.5.1.7, 18.5.1.8, 18.5.7.3.1, 18.5.9.1,
18.5.10.4, 18.5.10.5, 19.2.1.3.1, 19.2.1.4, 20.1.5.10.4, 20.1.5.10.4.4, 20.1.5.10.4.5,
20.2.4.6, 20.3.4.1.1, 20.3.4.2.3.5.1, 20.3.4.2.3.6.1, 20.5.2.1.4, 25.2.2.1, 26.1.5.2, 26.1.5.3,
26.1.5.4, 26.3.1, 28.1.6.2.1.1, 28.1.6.2.1.4, 28.1.6.3.8, 28.1.6.3.9, 28.1.6.3.10, 28.1.6.3.11,
28.1.6.3.12, 28.1.6.3.13, 28.1.6.3.14, 28.1.6.3.15, 28.1.6.3.16, 28.1.6.3.17, 28.1.6.4.1,
28.1.6.4.2, 28.1.6.4.3, 29.1.4, 31.3.3.4.2.1, 31.3.6.2.2(9), 31.3.6.3.1, 42.7.5.5.1, 42.7.5.7,
42.7.5.8, 42.7.5.9, 50.1.5, 50.2.1.10, 50.2.1.10.1, 50.2.1.10.2, 50.2.1.10.2.1, 50.2.1.10.2.2,
50.2.1.10.2.3, 50.2.1.10.2.4, 50.2.1.10.2.5, 50.2.1.10.2.6, 50.2.1.10.3, 50.2.1.10.3.1,
50.2.1.10.3.2, 50.2.1.10.3.3, 50.4.4.3.1, 50.5.2.9, 65.1.3, 65.1.4, 65.1.5, 65.1.6, 65.2,
65.2.1.1, 65.2.1.1, 65.2.3, 65.3, 65.4, 65.5, 65.5.1, 65.5.2, 65.2.3, 65.9.1, 65.10, 65.10.1,
65.10.1.1, 65.10.1.1.1, 65.10.1.1.1.1, 65.10.1.1.1.2, 5.10.1.1.2, 65.10.1.1.3, 65.10.1.1.4,
65.10.1.1.4.1, 65.10.1.1.4.2, 65.10.1.1.4.3, 65.10.1.2, 65.10.2, 65.10.2.1, 65.10.2.2,
65.10.2.3, 65.10.2.4, 65.10.2.5, 65.10.2.6, 65.10.2.7, 65.10.3, 65.10.3.1, 65.10.3.2,
65.10.3.3, 65.10.3.4, 65.10.3.5, 65.10.3.6, 65.10.6.1, 65.10.6.2, 65.10.6.3, 65.10.3.7,
65.10.3.8, 65.10.3.8.1, 65.10.3.8.2, 65.10.3.8.3, 65.10.3.9, 65.10.10, 65.10.3.10.1,
65.10.3.10.1, 65.10.3.10.2, 65.10.3.11, 65.10.3.11.1, 65.10.3.11.2, 65.10.3.12,

65.10.3.12.1, 65.10.3.12.2, 65.10.3.12.3, 65.10.3.12.4, 65.10.3.12.5, 65.10.3.12.6,
65.10.13, 65.10.3.14, 65.10.3.14.1, 65.10.3.14.1.1, 65.10.3.14.1.2, 65.10.3.14.2,
65.10.3.14.3, 65.10.3.14.3.1, 65.10.3.14.3.1.1, 65.10.3.14.3.1.2, 65.10.3.14.3.2,
65.10.3.14.3.2.1, 65.10.3.14.3.2.2, 65.10.3.14.3.2.3, 65.10.3.14.3.2.4, 65.10.3.14.3.2.5,
65.10.3.14.3.2.6, 65.10.3.14.3.2.7, 65.10.3.14.4, 65.10.3.14.4.1, 65.10.3.14.4.2,
65.10.3.14.4.3, 65.10.3.14.5, 65.10.3.14.5.1, 65.10.3.14.5.2, 65.10.3.14.6, 65.10.3.14.1,
65.10.3.14.2, 65.10.3.15, 65.10.3.15.1, 65.10.3.15.2, 65.10.3.15.2.1, 65.10.3.15.2.2,
65.10.3.15.3, 65.10.3.15.3.1, 65.10.3.15.3.2, 65.10.3.15.3.3, 65.10.3.15.3.4,
65.10.3.15.3.5, 65.10.3.15.3.6, 65.10.3.15.3.7, 65.10.3.15.3.8, 65.10.3.15.4,
65.10.3.15.4.1, 65.10.3.15.4.2, 65.10.3.15.4.3, 65.10.3.15.5, 65.10.3.15.1, 65.10.3.15.2,
65.10.3.15.7, 65.10.3.16, 65.10.3.17, 65.10.3.17.1, 65.10.3.17.2, 65.10.3.17.3, 65.10.3.18,
65.10.3.18.1, 65.10.3.18.2, 65.10.3.19, 65.10.3.19.1, 65.10.3.19.2, 65.10.3.19.2.1,
65.10.3.19.2.2, 65.10.3.19.3, 65.10.3.19.3.1, 65.10.3.19.3.2, 65.10.3.19.4, 65.10.3.20,
65.10.3.21, 65.10.3.21.1, 65.10.3.21.2, 65.10.3.21.3, 65.10.3.21.4, 65.10.3.21.5,
65.10.3.21.6, 65.10.3.22, 65.10.3.23, 65.10.3.24, 65.10.3.24.1, 65.10.3.24.2, 65.10.4,
65.10.4.1, 65.10.4.2, 65.10.4.3, 65.10.4.4, 65.10.4.4.1, 65.10.4.4.2, 65.10.4.4.3, 65.10.4.5,
65.10.4.5.1, 65.10.4.5.2, 65.10.4.5.3, 65.10.4.6, 65.10.4.6.1, 65.10.4.6.2, 65.10.4.6.3,
65.10.4.7, 65.10.4.7.1, 65.10.4. 65.10.4.7.1.1, 65.10.4.7.1.2, 65.10.4.7.2, 65.10.4.8,
65.10.4.8.1.1, 65.10.4.8.1.2, 65.10.4.2, 65.10.4.8.3, 65.10.4.8.4, 65.10.4.8.5, 65.10.4.9,
65.10.4.9.1, 65.10.4.9.1, 65.10.4.9.1.1, 65.10.4.9.1.2, 65.10.4.9.2,
65.10.4.9.2.1,65.10.4.9.2.2, 65.10.4.9.2.3, 65.10.4.9.2.4, 65.10.4.9.3, 65.10.4.9.3.1,
65.10.4.9.3.2, 65.10.4.10, 65.10.4.11, 65.10.5, 65.10.5.1, 65.10.5.1.1, 65.10.5.1.2,
65.10.5.2, 65.10.5.3, 65.10.5.3.1, 65.10.5.3.2, 65.10.5.4, 65.10.5.5, 65.10.6., 65.10.6.1,
65.10.6.2, 65.10.6.2.1, 65.10.6.2.2, 65.10.6.2.3, 65.10.6.3.1, 65.10.6.2.3.2, 65.10.6.2.3.3,

65.10.6.2.3.4, 65.10.6.2.3.5, 65.10.6.3, 65.10.6.4, 65.10.6.4.1, 65.10.6.4.2, 65.10.6.4.2.1, 65.10.6.4.2.2, 65.10.6.4.3, 65.10.6.4.4, 65.10.6.4.5, 65.10.6.4.5.1, 65.10.6.4.6, 66.6.2 and 69.2.1.4.2.1

BY repealing NFPA 101 Life Safety Code, 2015 Edition:

Sections 2.2 NFPA 13 2013, NFPA 13D 2013, NFPA 13R 2013, 3.3.140.1, 3.3.1.142.1, 3.3.190.4, 4.5.8, 4.6.12.1, 4.6.12.3, 6.1.4.1, 7.2.1.5.12, 7.2.1.7.1, 7.2.1.7.3, 7.9.1.2, 9.6.1.3, 9.7.5, 9.11.1, 11.8.3.1, 11.11.2.1, 12.2.4.1, 13.2.4.1, 14.7.2.3, 15.7.2.3, 16.6.1.1.2, 16.6.1.4.1.1, 16.6.1.4.1.2, 16.6.1.7.1, 16.7.5, 17.6.1.1.2, 17.6.1.4.1.1, 17.6.1.4.1.2, 17.6.1.7.1, 17.6.3.4.4, 17.7.5, 22.4.5.1.3, 22.4.5.1.4, 22.4.5.1.5, 23.4.5.1.3, 23.4.5.1.4, 23.4.5.1.5, 24.1.1.2, 26.1.1.1, 32.3.1.3, 33.3.3.4.8.2, 36.4.4.7.3.2, 38.2.4.4(3)(a),

Table: 42.2.5 42.3.4.1.2, 42.3.4.1.3 Wherever NFPA 5000 or “The Building Code” is referenced throughout this Code, other than for extracted text, substitute the Baltimore County Building Code. All of the NFPA 101 Life Safety Code, 2018 Edition.

BY adding to NFPA 101 Life Safety Code, 2018 Edition:

Sections 2.2 NFPA 13 2016, NFPA 13D 2016, NFPA 13R2016, 2.2.1, 3.3.62.3, 3.3.142.1, 3.3.190.12, 4.5.8, 4.6.12.1, 4.6.12.3, 4.7.1, 4.7.6, 4.8.2.4, 6.1.4.1, 7.2.1.5.12, 7.2.1.6.3.1, 7.2.1.7.1, 7.2.1.7.3, 7.5.4.1.5, 7.9.1.2, 7.10.1.8.1, 9.6.1.3, 9.6.2.6.1, 9.6.5.2.1, 9.7.1.1.1, 9.7.5, 9.11.1, 11.8.6.3, 11.8.3.1.1, 11.11.2.1, 12.2.4.1, 13.2.4.1, 13.3.5.1.1, 14.3.5.6, 14.7.2.3, 15.3.5.6, 15.7.2.3, 16.1.1.9, 16.2.11.1.1(4), 16.6.1.1.2, 16.6.1.4.1.1, 16.6.1.4.1.2, 16.6.1.7.1, 16.6.2.1.1, 16.6.2.2, 16.6.2.3, 16.6.2.4.5, 16.6.3.4.3.1, 16.7.5, 16.7.5.1, 17.1.1.8, 17.2.11.1.1(4), 17.6.1.1.2, 17.6.1.4.1.1, 17.6.1.4.1.2, 17.6.1.7.1, 17.6.2.1.1, 17.6.2.2, 17.6.2.3, 17.6.2.4.5, 17.6.3.4.4, 17.7.5, 17.7.5.1, 22.4.5.1.3, 22.4.5.1.4, 23.4.5.1.3, 23.4.5.1.4, 24.1.1.2, 24.2.2.3.3(5), 24.2.2.3.3(6), 24.2.5.1.4,

1 (c) The Fire Prevention Code shall be maintained as a reference in the main branch of
2 the Baltimore County Public Library and the Office of the Fire Chief.

3 **SECTION 2.** AND BE IT FURTHER ENACTED, that the Fire Prevention Code of
4 Baltimore County, Maryland, as adopted by Council Bill 3-17 is hereby repealed.

5 **SECTION 3.** AND BE IT FURTHER ENACTED, that the NFPA 1 Fire Code, 2018
6 Edition and the NFPA 101 Life Safety Code, 2018 edition are hereby adopted as the “Fire
7 Prevention Code of Baltimore County”, except that any tentative interim amendments that are
8 published for the Fire Code and the Life Safety Code are not included in this Code unless
9 specifically listed and adopted by this Code.
10

11 **SECTION 4.** AND BE IT FURTHER ENACTED, that the following sections and
12 subsections of the Fire Prevention Code of Baltimore County are hereby repealed as follows:

13 NFPA 1, Fire Code, 2015 Edition:

14
15 Sections 1.1.1(3), 1.6, 1.10 thru 1.10.6.6, 1.12.2, 1.12.2.1, 1.12.6.13, 1.12.8, Tables
16
17 1.12.8(a)(b)(c)&(d), 1.13.2, 1.13.12.4, 1.16.4.2, 2.2 NFPA 150 & NFPA 5000, 3.2.2,
18
19 3.3.183.6, 3.3.183.7, 3.3.183.22, 3.3.183.23.3, 3.3.183.25, 4.5.8.1, 4.5.8.3, 6.1.4.1,
20
21 6.1.9.1, 10.1.2, 10.4.1, 10.4.2, 10.10.1, 10.10.1.1, 10.10.6 thru 10.10.6.2, 10.11.1.2, 10.11.1.3,
22
23 10.13.1.1, 10.13.3.1, 10.13.9.1, 10.14.2, 10.14.11.2.6, 10.15.1, 10.15.2, 10.15.5, 10.18.7, 10.19.1,
24
25 11.9.1, 13.1.4.1, 13.2.2.2, 13.3.2.1, 13.3.2.26.2.3, 13.3.3.1, 13.3.3.2, 13.5.2, 13.6.1.2,
26
27 13.6.4.1.2.1 thru 13.6.4.1.2.3, 13.7.2.28.1.1, 13.7.2.28.1.2, 14.13.1.2, 16.4.3.1.3, 18.1.3.1,
28
29 18.1.3.2, 18.2.3.2.1, 18.5.3, 19.2.1.4, 20.3.4.1.1, 20.3.4.2.3.5.1, 20.3.4.2.3.6.1, 25.2.2.1,
30
31 28.1.6.2.1.1, 31.3.6.3.1 thru 31.3.6.3.2.3, Chapter 35, 50.4.4.3.1, 65.2, 65.2.1, 65.2.2, 65.3,
32
33 65.3.1, 65.3.2, 65.3.3, 65.4, 65.4.1, 65.4.2, 65.5, 65.5.1, 65.6, 65.7, 65.7.1, 65.7.2, 65.8, 65.8.1,
34
35 65.8.2, 65.9, 65.9.1, 65.9.2.1, 65.9.2.2, 66.6.2.

36
37 NFPA 101 Life Safety Code, 2015 Edition: Sections 3.3.142.1, 3.3.196.4, 4.5.8, 4.6.12.1,

1 4.6.12.3, 6.1.4.1, 7.2.1.5.12, 7.2.1.7.1, 7.2.1.7.3, 7.9.1.2, 9.6.1.3, 9.7.5, 9.11.1, 11.8.3.1,
2 11.11.2.1, 12.2.4.1, 13.2.4.1, 14.7.2.3, 15.7.2.3, 16.6.1.1.2, 16.6.1.4.1.1, 16.6.1.4.1.2, 16.6.1.7.1,
3 17.6.3.4.5, 16.7.5, 17.6.1.1.2, 17.6.1.4.1.1, 17.6.1.4.1.2, 17.6.1.7.1, 17.6.3.4.4, 17.7.5, 22.4.5.1.3,
4 22.4.5.1.4, 22.4.5.1.5, 23.4.5.1.3, 23.4.5.1.4, 23.4.5.1.5, 24.1.1.2, 26.1.1.1, 32.3.1.3, 33.3.3.4.8.2,
5 36.4.4.7.3.2, 38.2.4.4(3) (a), Table: 42.2.5 42.3.4.1.2, 42.3.4.1.3
6 NFPA 13 Standard for the Installation of Sprinkler Systems, 2016 Edition, Sections 8.15.8.1.1,
7 8.15.15.1, and 23.4.4.10.1
8 NFPA 13R Standard for the Installation of Sprinkler Systems in Residential Occupancies Up To
9 And Including Four Stories in Height, 2016 Edition, Section 6.6.2;
10 NFPA 13D Standard for the Installation of Sprinkler Systems in One- And Two-Family
11 Dwellings and Manufactured Homes, 2016 Edition, Section 8.3.2

12 **SECTION 5. AND BE IT FURTHER ENACTED**, that the following sections are
13 hereby added to NFPA 1 Fire Code, 2018 Edition, as part of the “Fire Prevention Code of
14 Baltimore County”: Sections 1.1.1(3), 1.3.2.3.1, 1.3.2.1.1, 1.3.6.3.1, 1.6, 1.6, 1.7.7.7, 1.10,
15 1.10.5.1, 1.10.5.2, 1.10.11.2, 1.10.16.6, 1.10.16.7, 1.12.1.1, 1.12.2, 1.12.2.1, 1.12.2.5, 1.12.2.6,
16 1.12.2.7, 1.13.2, 1.16.6, 1.16.7, 2.2.1, 3.2.2, 3.2.3.1, 3.2.3.2, 3.2.3.3, 3.3.183.6, 3.3.183.7,
17 3.3.183.22, 3.3.183.23.3, 3.3.183.25, 3.3.183.29, 3.3.292, 4.5.8.1, 4.5.8.3, 6.1.4.1, 6.1.9.1,
18 10.1.2, 10.1.6.1, 10.4.1, 10.5.6.1, 10.10.1.1, 10.10.1.5, 10.10.1.6, 10.10.2.1, 10.10.5.3, 10.10.6,
19 10.10.6.1, 10.11.1.1.1, 10.11.1.2, 10.11.1.3, 10.11.1.4, 10.11.1.5, 10.13.1.1, 10.13.1.2, 10.13.3.1,
20 10.13.9.1, 10.14.2, 10.14.11.2.6, 10.15.1, 10.15.3.1, 10.15.5, 10.15.6, 10.15.7, 10.18.7, 10.18.7.1,
21 10.19.1, 10.20, 11.1.7.3.2, 11.1.9, 11.3.6.1.1, 11.5.1.11.3, 11.5.2.4, 11.5.2.4.1, 11.5.2.4.2,
22 11.5.2.4.3, 11.5.2.4.4, 11.9.1, 11.9.4(6), 11.12.1.1, 12.2.2.1.2, 11.12.2.2.2.3, 11.12.2.2.2.4,
23 13.1.4.1, 13.2.1.1, 13.2.2.2, 13.3.1.1.1, 13.3.1.1.2, 13.3.1.1.3, 13.3.1.2.1, 13.3.1.2.2, 13.3.1.2.3,
24 13.3.1.2.4, 13.3.1.2.5, 13.3.1.2.6, 13.3.1.2.7, 13.3.1.2.8, 13.3.1.8.3, 13.3.2.1, 13.3.2.1.1,
25 13.3.1.2.4, 13.3.1.2.5, 13.3.1.2.6, 13.3.1.2.7, 13.3.1.2.8, 13.3.1.8.3, 13.3.2.1, 13.3.2.1.1,
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7 13.7.13.5.5, 13.7.2.28.1.2, 13.7.2.28.1.3, 13.7.3.1.2, 13.7.3.1.3, 13.7.3.2.3.5.6, 13.8.1, 13.8.2,
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9 13.8.3, 14.5.2.8.1(6), 14.13.1.2, 14.14.1.8.1, 16.4.3.1.3, 18.1.3.1, 18.1.3.2, 18.2.3.1.1.1,
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11 18.2.3.2.1, 18.2.3.5.3, 18.3.2, 18.3.2.1, 18.3.2.2, 18.5.1.7, 18.5.1.8, 18.5.7.3.1, 18.5.9.1,
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13 18.5.10.4, 18.5.10.5, 19.2.1.3.1, 19.2.1.4, 20.1.5.10.4, 20.1.5.10.4.4, 20.1.5.10.4.5, 20.2.4.6,
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21 29.1.4, 31.3.3.4.2.1, 31.3.6.2.2(9), 31.3.6.3.1, 42.7.5.5.1, 42.7.5.7, 42.7.5.8, 42.7.5.9, 50.1.5,
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17 65.10.3.21.2, 65.10.3.21.3, 65.10.3.21.4, 65.10.3.21.5, 65.10.3.21.6, 65.10.3.22, 65.10.3.23,
18 65.10.3.24, 65.10.3.24.1, 65.10.3.24.2, 65.10.4, 65.10.4.1, 65.10.4.2, 65.10.4.3, 65.10.4.4,
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24 65.10.4.7.1.2, 65.10.4.7.2, 65.10.4.8, 65.10.4.8.1.1, 65.10.4.8.1.2, 65.10.4.2, 65.10.4.8.3,
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26 65.10.4.8.4, 65.10.4.8.5, 65.10.4.9, 65.10.4.9.1, 65.10.4.9.1, 65.10.4.9.1.1, 65.10.4.9.1.2,
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28 65.10.4.9.2, 65.10.4.9.2.1, 65.10.4.9.2.2, 65.10.4.9.2.3, 65.10.4.9.2.4, 65.10.4.9.3,
29
30 65.10.4.9.3.1, 65.10.4.9.3.2, 65.10.4.10, 65.10.4.11, 65.10.5, 65.10.5.1, 65.10.5.1.1,
31
32 65.10.5.1.2, 65.10.5.2, 65.10.5.3, 65.10.5.3.1, 65.10.5.3.2, 65.10.5.4, 65.10.5.5, 65.10.6.,
33
34 65.10.6.1, 65.10.6.2, 65.10.6.2.1, 65.10.6.2.2, 65.10.6.2.3, 65.10.6.3.1, 65.10.6.2.3.2,
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36 65.10.6.2.3.3, 65.10.6.2.3.4, 65.10.6.2.3.5, 65.10.6.3, 65.10.6.4, 65.10.6.4.1, 65.10.6.4.2,
37
38 65.10.6.4.2.1, 65.10.6.4.2.2, 65.10.6.4.3, 65.10.6.4.4, 65.10.6.4.5, 65.10.6.4.5.1, 65.10.6.4.6,
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40
41 66.6.2 and 69.2.1.4.2.1, to read as follows:

32
33 **CHAPTER 1. ADMINISTRATION AND**
34 **ENFORCEMENT**

35
36 **1:1.1.1(3)** Review of development plans, construction plans, drawings and specifications for
37 life safety systems, fire protection systems, access, water supplies, processes, hazardous

1 materials and other fire and life safety issues.

2 **1:1.3.2.1.1** Wherever NFPA 5000 or “The Building Code” is referenced throughout this Code,
3 other than for extracted text, substitute the Baltimore County Building Code.

4 **1:1.3.2.3.1 Applicability of NFPA Standards:** Occupancies, structures, processes, equipment
5 installations or other matters not otherwise covered by these regulations shall comply with the
6 appropriate National Fire Protection Association codes, standards, and practices as deemed
7 necessary by the Chief of the Fire Department or designee.

8 **1:1.3.3.3 Proof of Legal Change of Use and Occupancy of Existing Buildings:** The Fire
9 Chief or designee shall have the authority to require satisfactory evidence that a legal change of
10 use or occupancy in compliance with applicable fire and building codes was granted by
11 Baltimore County.

12 **1:1.3.6.3.1 Application of Other Codes:** All alterations to an existing building which are
13 caused directly or indirectly by the enforcement of this code shall be done in accordance with
14 the applicable codes, procedures and provisions currently in force in Baltimore County,
15 Maryland.

16 **1:1.6 Enforcement:** The Chief of the Fire Department or the Chief’s designee is hereby
17 charged with the duty of enforcing and administering the provisions of the Fire Prevention
18 Code of Baltimore County and is authorized to delegate such duties to such personnel as
19 necessary for the proper enforcement of the code.

20 **1:1.6.1. Prosecution of Violation:** The “Authority Having Jurisdiction” (AHJ) as defined in
21 Chapter 3 “Definitions” of this Fire Prevention Code shall have the authority to institute or
22 cause to be instituted an appropriate action for any violation of the Baltimore County Fire
23 Prevention Code in accordance with Article 3, Title 6 of the Baltimore County Code, 2015, or

1 a proceeding at law or in equity, which may be necessary and proper, to restrain, correct or
2 abate such violation or to require the removal or termination of the unlawful use of the building
3 or structure, or condition in violation of the provisions of this Code or the order or direction
4 made pursuant thereto.

5 **1:1.7.7.7 Required Inspections:** The AHJ, Chief, or designee shall annually inspect all
6 structures and premises, except single-family dwellings and dwelling units in multiple family
7 dwellings, for the purposes of ascertaining and causing to be corrected any conditions liable to
8 cause fire, contribute to the spread of fire, interfere with fire-fighting operations, endanger life
9 or any violations of the provisions or intent of this code or any other ordinance affecting fire
10 and/or life safety.

11
12 **1:1.10 Appeals:** Any person aggrieved by an order, decision, interpretation or action of the
13 AHJ, Chief, or designee, based upon or made in the course of the administration or
14 enforcement of the “Fire Prevention Code of Baltimore County” may appeal. The appeal
15 process shall be as follows:

16 1) A written appeal to the Office of the Fire Marshal which will be reviewed,
17 researched, and responded to within 20 days.

18 2) Appealing the decision rendered by the Office of the Fire Marshal shall be
19 submitted to the County Board of Appeals as provided in Article VI of the Baltimore County
20 Charter.

21 **1:1.12.1.1 Permits Required:** Permits and fire inspection certificates shall be obtained from
22 the AHJ, Chief, or designee for all structures and premises required to be inspected under
23 Section 1:1.7.7.7 of the Fire Code in accordance with the local adopting legislation. Permit
24 and fire inspection certificate fees, if any, shall be established in accordance with Section 3-1-

1 202 of the Baltimore County Code, 2015. Issued permits and fire inspection certificates shall
2 be kept on the premises designated therein at all times and shall be readily available for
3 inspection by the Chief or designee.

4 **1:1.12.2 Permit Application:** Application for a permit or fire inspection certificate required by
5 this Code shall be made to the AHJ, Chief, or designee on form(s) provided. Applications for
6 permits shall be accompanied by documents required for evaluation of the application.

7 **1:1.12.2.1 Payment of Fees:** Fees for fire safety inspections are payable upon receipt of an
8 invoice from the AHJ. If a received inspection fee payment is incorrect, an invoice requesting
9 the balance of the fee shall be sent to the person identified on the original invoice. Failure to
10 pay the fee may result in delay of the issuance of a building permit, or use and occupancy
11 permit for the building or facility. A permit or fire inspection certificate is not valid unless the
12 safety inspection fees have been paid.

13 **1:1.12.2.5 Review of Fees:** The fee schedule shall be reviewed annually in accordance with
14 Section 3-1-202 of the Baltimore County Code, 2015, as amended, to ensure that the fees
15 collected shall at least cover the costs of administering plan review and conducting inspections.

16 **1:1.12.2.6 Fire Inspection Certificate:** All occupancies required by this Act to obtain a fire
17 inspection certificate may not be maintained, operated or occupied as such without securing
18 said certificate from the Chief or designee within the time frame specified by the Chief or
19 designee.

20 **1:1.12.2.7 Collection of Past Due Fees:** Inspections fees which become delinquent as
21 determined by the AHJ will be forwarded to the Director of Budget and Finance for
22 collections. Failure to timely pay inspection fees may so also result in:

23 (a) Administrative or legal action;

- 1 (b) No further inspection activity;
- 2 (c) Denial of the issuance or renewal of a permit or license held by the facility being
- 3 inspected;
- 4 (d) Incurrence of late fees; and
- 5 (e) Finding of a violation of the County Code and Life Safety Code.

6 The inspection fee may not be charged if the initial inspection is conducted in response to a
7 complaint regarding an alleged violation of the Code. Any reinspection based on the initial
8 inspection is subject to the fees outlined in regulation and the County Code.

9 **1:1.13.2** The AHJ may require certificates of fitness and collect fees for individuals or
10 companies performing any of the following activities:

- 11 (1) Use of explosive materials
- 12
- 13 (2) Fireworks displays involving display fireworks, 1.3G.
- 14

15 **1:1.16.6 Waiver of Appeal:** An application for an extension of time to correct any violation
16 shall be deemed to be an admission that the notice of violation is factually and procedurally
17 correct and that the violations do or did exist.

18 **1:1.16.7 Reimbursement for Fire Suppression:** When the owner or tenant has been given
19 notice of the existence of a violation of this code and has not made a good faith effort to abate
20 the violations, the owner or tenant shall be liable for a penalty in the amount of the actual cost
21 to the Fire Department of suppressing any fire resulting from the violation. The Chief of the
22 Fire Department shall certify such cost.

23 **CHAPTER 2. REFERENCED PUBLICATIONS**

24 **1:2.2 NFPA 13** Standard for Installation of Sprinkler Systems 2016 edition.

25 **NFPA 13D** Standard for Installation of Sprinkler Systems in One and Two Family Dwelling
26
27

1 2016 Edition.

2 **NFPA 13R** Standard for Installation of Sprinkler Systems in Low-Rise Residential Occupancies

3

4 2016 Edition.

5

6 **1:2.2.1** Wherever NFPA 5000 or “The Building Code” is referenced, other than for extracted

7 text, substitute the Baltimore County Building Code.

8 **CHAPTER 3. DEFINITIONS**

9

10 **1:3.2.2 “Authority Having Jurisdiction”**, “AHJ”, “Chief”, “Chief of the Fire Department”,

11 “Fire Chief” or “Fire Official” means the Chief of the Baltimore County Fire Department or

12 designee, including the Code Official.

13 **1:3.2.3.1 Fire Code:** “Baltimore County Fire Prevention Code”, “Fire Prevention Code” or

14 “this Code” mean the “Fire Prevention Code of Baltimore County”.

15 **1:3.2.3.2 “NFPA”:** means National Fire Protection Association.

16

17 **1:3.2.3.3 Building Code:** means the Baltimore County Building Code. Wherever NFPA

18 5000 is referenced throughout this Code, other than for extracted text, substitute the

19 Baltimore County Building Code.

20 **1:3.3.14.13 Consumer Fireworks Retail Sales Area:** The portion of a consumer fireworks

21 retail sales facility or store, including the immediately adjacent aisles, where consumer

22 fireworks are located for the purpose of retail display or sale to the public.

23 **1:3.3.192.6 Day-Care Home:** A building or portion of a building in which not more than

24 12 clients receive care, maintenance, and supervision, by other than their relative(s) or

25 legal guardian(s), for less than 24 hours per day.

26 **1:3.3.192.7 Day-Care Occupancy:** Means an occupancy in which clients receive care,

27 maintenance, and supervision, by other than their relatives or legal guardians, for less than 24

1 hours per day.

2 **1:3.3.192.25 One and Two Family Dwellings**, include buildings containing not more than
3 two dwelling units in which each dwelling unit is occupied by members of a single family with
4 not more than five outsiders accommodated in rented rooms.

5 **1:3.3.192.26.3 Open Parking Structure**: A parking structure that meets the
6 requirements for open parking structures of NFPA 88A.

7 **1:3.3.192.28 Residential Board and Care Occupancy**: An occupancy used for lodging and
8 boarding of six or more residents, not related by blood or marriage to the owners or operators,
9 for the purpose of providing personal care services.

10
11 **1:3.3.192.32 Use Group Classification**: All buildings and structures shall be classified with
12 respect to use in one of the 10 occupancy groups listed in the Baltimore County Building Code:

13
14 Classification of Occupancy Groups

15		
16	Group A	Assembly
17		
18	Group B	Business
19		
20	Group E	Educational
21		
22	Group F	Factory and Industrial
23		
24	Group H	High Hazard
25		
26	Group I	Institutional
27		
28	Group M	Mercantile
29		
30	Group R	Residential
31		
32	Group S	Storage
33		
34	Group U	Utility and Miscellaneous
35		

1 **1:3.3.292 Fireworks:** Any composition or device for the purpose of producing a visible or
2
3 audible effect for entertainment purposes by combustion, deflagration or detonation, and that
4 meets the definition of consumer fireworks or display fireworks as set forth in NFPA 1124
5 code for the manufacture, transportation, storage, and retail sales of fireworks and pyrotechnic
6 articles, 2006 edition, and as referenced in Public Safety Article, §10-101, Annotated Code of
7 Maryland.

8 **1:3.3.293 Outsider(s):** A person not related by blood, marriage or adoption, or otherwise
9
10 defined by federal or state law as family for the purposes of occupancy limits.

11
12 **CHAPTER 4. GENERAL REQUIREMENTS**

13
14 **1:4.5.8.1 Maintenance:** Whenever or wherever any device, equipment, system, condition,
15 arrangement, level of protection, fire-resistive construction, or any other feature is required,
16 such device, equipment, system, condition, arrangement, level of protection, fire-resistive
17 construction, or other feature shall thereafter be continuously maintained in accordance with
18 applicable NFPA requirements or requirements developed as part of a performance-based
19 design, or as directed by the AHJ. (101:4.6.12.1)

20 **1:4.5.8.3 Maintenance:** Maintenance of existing life safety features obvious to the public, if
21 not required, shall be either maintained or removed. (101:4.6.12.3)

22 **1:4.5.8.8 Maintenance:** All equipment, systems, devices and safeguards required by this code
23 or a previous statute or code for the structure or premises when erected or altered shall be
24 maintained in good working order by the owner. The requirements of this code are not
25 intended to provide the basis for removal or abrogation of fire protection and safety systems
26 and devices in existing structures.

27 **1:4.5.8.9 Maintenance:** Fusible Link Replacement any fusible link that is painted, corroded,

1 damaged or loaded with foreign materials shall be replaced.

2

3 **CHAPTER 6. CLASSIFICATION OF OCCUPANCY**

4

5 **1:6.1.4.1 Day-Care Occupancy:** Means an occupancy in which clients receive care,

6 maintenance, and supervision, by other than their relatives or legal guardians, for less than 24

7 hours per day.

8 **1:6.1.9.1 Residential Board and Care Occupancy.** An occupancy used for

9

10 lodging and boarding of six or more residents, not related by blood or marriage to the owners

11 or operators, for the purpose of providing personal care services.

12 **CHAPTER 10. GENERAL PROVISIONS**

13

14 **1:10.1.2 Life Safety Code:** Every new and existing building shall comply with this Fire

15 Code and NFPA 101 Life Safety Code, except as amended by COMAR 29.06.01.07,

16 COMAR 29.06.01.08, and COMAR 29.06.01.09.

17 **1:10.1.6.1 Candles:** A person shall not use or allow to be used, any open flame, burning

18 candle or candles in connection with any public meeting or gathering in any occupancy open

19 to the public without first obtaining approval from the Fire Chief or designee. Candles are

20 permitted to be used in connection with any worship service if they are used and located in

21 such a manner as not to create a fire hazard or other potentially dangerous condition.

22 **1:10.4.1** Persons shall not fail to leave a building when notified to do so or when directed by

23 the AHJ or Incident Commander as a result of a known or perceived emergency.

24 **1:10.4.2** Person shall not fail to leave any overcrowded premises when ordered to do so by the

25 AHJ or Incident Commander.

26 **1:10.5.6.1 Fire Exit Drills:** Where not otherwise specified within this code, frequency and

1 need for fire exit drills shall be determined by the fire official for each occupancy. A record
2 of fire exit drills shall be kept on the premises and made available to the fire official at the
3 time of annual fire inspection. Each record shall contain information indicating the time of the
4 drill, date, weather conditions, number of occupants evacuated, and evacuation time.

5 **1:10.10.1.1 Permits:** Permits shall not be required for small recreational fires (no larger than
6 three (3) feet in diameter) and cooking fires (no larger than three (3) feet in diameter),
7 including campfires, barbecue grills, broilers, and hibachis, which are constantly attended by
8 someone that is 18 years of age or older and in direct view of the fire, and for which routine
9 precautions against spread of fire have been taken. The fire shall be attended until the fire is
10 completely extinguished.

11 **1:10.10.1.5 Burning Permit Required:** No person shall kindle, maintain nor permit to
12 be kindled or maintained, any bonfire, rubbish fire or other open burning upon any public
13 street, alley, road or other public property, nor upon any private property unless the owner of
14 the property where the fire is maintained has first obtained a permit. The required burning
15 permit shall be kept at the site of the fire during burning operations. The fire will be constantly
16 attended by someone that is 18 years of age or older and in direct view of the fire, and for
17 which routine precautions against spread of fire have been taken. The fire shall be attended
18 until the fire is completely extinguished.

20 **1:10.10.2:** The AHJ shall have the authority to prohibit any or all open flames, candles, sky
21 lanterns, and open, recreational, and cooking fires or other sources of ignition, or establish
22 special regulations on the use of any form of fire or smoking material where circumstances
23 make such conditions hazardous.

24 **1:10.10.2.1 Outdoor Burning Restriction:** For other than cooking and recreational fires, no

1 burning is allowed within the perimeter of Interstate Highway 695 (I-695), the Baltimore
2 Beltway.

3 **1:10.10.5.3 Fire Attendant:** A bulldozer with a competent operator shall be maintained at any
4 large fire until such fire is completely extinguished, in order that the bulldozer may be used to
5 control the fire by covering it with earth or by using other means of extinguishments, if the
6 need arises.

7 **1:10.10.6 Cooking and Heating Devices**

8

9 **1:10.10.6.1** For other than one- and two-family dwellings, no hibachi, gas-fired grill, charcoal
10 grill, electric grill, deep fryer, fuel fired heating or cooking device, or other similar devices
11 used for cooking, heating, or any other purpose, be stored, used, or kindled on any balcony,
12 patio, or under any overhanging portion or within 15 feet of any multifamily occupancy.

13 **Premises Identification**

14

15 **1:10.11.1.2** Premises identification shall be a minimum size of 6 inches for commercial
16 property and 3 inches 4 inches for residential property with a minimum stroke width of ½ in.
17 Existing digits may be allowed to continue in use subject to the approval of the fire marshal.

18 **1:10.11.1.6** Subject to the approval of the AHJ, individual suites within structures and rear
19 exterior entrances and/or access from service corridors shall be clearly identified.

20 **1:10.11.1.7** Premises identification shall contrast with their background.

21 **1:10.11.1.8** Premises identification shall be Arabic numbers or alphabet letters.

22 **1:10.11.1.9** Where required by the AHJ, symbols in compliance with NFPA 170: standard for
23 fire safety and emergency symbols shall be used.

24 **1:10.13.1.1 Combustible Vegetation:** unless otherwise approved by the AHJ, Christmas tree
25 placement within buildings shall comply with table 1:10.13.1.1(NFPA 1 2018)

1 **1:10.13.1.2 Combustible Vegetation:** The AHJ shall:
2

3 (1) Approve the placement of a natural cut or balled tree.
4

5 (2) Limit the number of natural cut or balled trees displayed.
6

7 (3) Order the removal of any tree if the tree poses a hazard to life or safety.
8

9 **1:10.13.3.1** Artificial vegetation and artificial Christmas trees shall be labeled or otherwise

10 identified or certified by a testing laboratory recognized by the Office of the State Fire

11 Marshal as being fire retardant.

12 **1:10.13.9.1** Where a natural cut tree is permitted, the bottom end of the trunk shall be cut off

13 with a straight fresh cut at least 2 in. (50 mm) above the end prior to placing the tree in a stand

14 to allow the tree to absorb water. A natural cut tree shall not exceed 10 ft. (3m) in height,

15 excluding the tree stand.

16 **Outdoor Events**

17 **1:10.14.2** The AHJ shall be permitted to regulate all outdoor events such as, but not limited to,
18

19 carnivals and fairs as it pertains to access for emergency vehicles; access to fire protection

20 equipment; placement of stands, concession booths, and exhibits; and the control of hazardous

21 conditions dangerous to life and property.

22 **1:10.14.11.2.6** A fuel break of a minimum 20 ft. (6m) wide shall be cleared between a crop

23 maze and any vehicles, buildings or vegetation outside the maze.

24 **Outside Storage**

25 **1:10.15.1** Outside storage of combustible materials shall not be located within 15 FT. (4.6m) of
26

27 a property line, building, or adjacent pile of combustible material.

28 **1:10.15.3.1** The separation distance shall be allowed to be increased where the AHJ determines

29 that a higher hazard to the adjoining property exists.

1 **1:10.15.5** Combustible storage in the open shall not exceed 20 ft. (6.1m) in height or 10,000
2 ft² in area.

3 **1:10.15.6 Fire Access for Outside Storage:** Approved aisles, driveways and uniform
4 passageways shall be provided to permit access for fire-fighting operations.

5 **1:10.15.7 Outside Combustible Material Storage:** The Fire Chief or designee may require that
6 storage upon any land of any combustible material in quantities that require a permit or that pose
7 a fire exposure hazard shall be enclosed by an approved fence or other protective device.

8 **1:10.18.7 Fueled Equipment,** including but not limited to motorcycles, mopeds, lawn care
9 equipment and portable cooking equipment, shall not be stored, operated, or repaired within a
10 building, on a balcony, or under any overhanging portion, except under one of the following
11 conditions:

12 (1) The building or room has been constructed for such use in accordance with
13 the building code.

14 (2) The use is allowed by other provisions of this code.

15
16 **1:10.18.7.1 Fueled Equipment,** including but not limited to motorcycles, mopeds, lawn care
17 equipment, and portable cooking equipment, shall not be stored, operated, or repaired, in a non-
18 approved parking area within 15 FT. of a building entrance/egress.

19 **1:10.19 Indoor Children’s Playground Structures**

20
21 **1:10.19.1** Structures intended as Children’s Playgrounds, installed indoors and which exceed
22 10 ft. (3.1m) in height or 160 ft² (14.9 m²) in area shall comply with specifications in 10.19.1.1

23 **1:10.20 Flame Retardants:** An individual, firm or corporation may not sell or offer for sale in
24 Baltimore County, any type of flame retardant, flame proofing or fire extinguishing compound,
25 powder or liquid unless the product is listed by Underwriters’ Laboratories, Inc., or other

1 recognized independent testing laboratory acceptable to the Chief or designee.

2

3 **CHAPTER 11. BUILDING SERVICES**

4

5 **1:11.1.7.3.2 Doors To Electrical Control Panel Rooms** shall be marked with a plainly visible
6 and legible sign stating electrical room or similar approved wording in letters contrasting to
7 their background, not less than 1 in. (25mm) high and not less than ¼ in. (6.4mm) in stroke
8 width.

9 **1:11.1.9 Electric Service Clearance.** A clear space of not less than 30 inches (762mm) in
10 width, 36 inches (914mm) in depth, and 78 inches (1981mm) in height shall be provided in
11 front of electrical service equipment. Where electrical service equipment is wider than 30
12 inches (762mm), the clear space shall not be less than the width of the equipment. No storage
13 of any materials shall be located within the designated clear space. Exception: where other
14 specialized dimensions are required or permitted by NFPA 70 National Electrical Code.

15 **1:11.3.6.1.1** All fire service elevator keys within the jurisdiction shall be uniform and specific
16 for the jurisdiction. All new keys shall be cut to a uniform key code to comply with the
17 Maryland State Elevator Code.

18 **1:11.5.1.11.3 Clothes Dryer Exhaust Installation:** Dryer exhaust ducts for clothes dryers
19 shall terminate on the outside of the building and shall be equipped with a backdraft damper.
20 Screens shall not be installed at the duct end.

21 **1:11.5.2.4 Unvented Portable Kerosene-Fired Heaters:**

22

23 **1:11.5.2.4.1** The sale or use of un-vented portable kerosene-fired heaters shall be permitted
24 only if the heater or appliance meets UL subject 647 and bears a label so listing.

25 **1:11.5.2.4.2** With the written consent of the property owner, un-vented portable kerosene-fired
26 heaters may be used subject to the following conditions:

- 1 (1) The use in residential occupancies shall be restricted to only one and two family
2 dwellings.
- 3
- 4 (2) Kerosene heaters are prohibited in multifamily occupancies.
- 5
- 6 (3) The units may be used in the course of hunting or camping activities.
- 7
- 8 (4) The units may be used in agricultural buildings and in outbuildings. That is, a building
9 used in connection with the main building, but smaller than the main building and located
10 separate and apart from the main building.

11 (5) The units may be used in buildings under construction.

12 (6) The units may be used in certain “commercial establishments” where not otherwise
13 prohibited by this code. Portable kerosene heaters may not be located in such a manner as to
14 obstruct exits.

15 **1:11.5.2.4.3** Un-vented portable kerosene-fired heaters are prohibited in the following
16 occupancies:

17 (1) Places of assembly

18 (2) Day-care Centers

19 (3) Educational occupancies

20 (4) Health Care occupancies

21 (5) Hotels and motels

22 (6) Buildings where open flame devices would readily ignite flammable liquid vapor,
23 explosives, or dust

24 (7) Buildings over 3 stories in height

25 **1:11.5.2.4.4** The manufacturer shall affix to each portable kerosene heater, in a safe and
26 prominent place, a non-detachable warning label which states: “Warning: this unit must be
27

1 used in an area, which has proper ventilation. Consult owner’s manual for details and
2 instructions.

3 Use of this heater may be dangerous to persons with respiratory or circulatory disorders. Only
4 “water-clear” kerosene meeting 1-k (ASTM) specifications should be used in this heater.
5 This device must not be operated while the building is unattended.”

6 **1:11.9.1 The Emergency Command Center** location, design, content, and fire department
7 access shall be approved by AHJ.

8 **1:11.9.4(6) SDS (Safety Data Sheets.)**

9

10 **11.12 Photovoltaic Systems**

11

12 **1:11.12.1.1** Provisions of this Section shall not apply to detached parking shade structures,
13 carports, solar trellises, and similar structures.

14 **1:11.12.2.2.2.1.2 Exception:** Where a single 4 feet wide clear pathway is installed in the center
15 third of the roof length and is not located over a window or door opening and with no overhead
16 obstructions such as tree limbs, wires or signs, a single pathway shall be allowed.

17 **1:11.12.2.2.2.1.3 Exception:** Where there is more than one pathway on a roof, only one of the
18 roof access points must be in a location where the fire department ladders are not placed over
19 openings (windows and doors).

20 **1:11.12.2.2.2.3 Chimney Access:** A minimum of 3 feet clear space will be provided around all
21 solid fuel-burning chimneys for emergency access.

22 **1:11.12.2.2.2.4 Allowance for Wiring to Cross Pathways:** All wiring shall be allowed to
23 cross pathways and shall be designed to take the shortest path from the array to the dc
24 combiner box, be clearly identified, and be in rigid metal conduits, schedule 80 PVC, or EMT.

25 All raceways must be kept as close as possible to the roof surface so as to not present a tripping

1 hazard while still permitting water to flow underneath the raceway. Vents and plumbing vents
2 within a pathway will not affect measurement of a setback.

3
4 **CHAPTER 13. FIRE PROTECTION SYSTEMS**

5
6 **1:13.1.4.1 Fire Department Connection Access:** No material, obstruction, or vehicle shall be
7 placed within fifteen (15) feet of any fire department connections all fire department
8 connections shall be located on the address side of the building.

9 **1:13.1.4.1.1** site fire hydrants are not required when the fire department connection is 100' or
10 less with no obstructions or grade problems and all sides of the building are no more than 600'
11 from a public fire hydrant.

12 **1:13.1.4.1.2** site fire hydrants are required for the following occupancies:

- 13 • malls
14 • industrial complexes
15 • high pile stock storage
16 • high rise buildings
17 • any other building that is more than 600' from the public fire hydrant.

18 **Standpipe Systems**

19
20 **1:13.2.1.1 Floor Control Valves:** In multi-story buildings where fire resistive stair
21 enclosures are required, standpipe risers with sprinkler floor control valves shall have floor
22 control valves located within fire resistive stair enclosures.

23 **1:13.2.2.2 All New Buildings** shall be equipped with approved standpipe systems where
24 required by the International Building Code as incorporated by reference by the Maryland
25 Building Performance Standards. Where a Class III system is required, a Class I system shall

1 bepermitted.

2 **Automatic Sprinklers**

3 **1:13.3.1.1.1 Design of Plans:** Design of plans and preparation of calculations for automatic
4 sprinkler and spray fire suppression systems, fire standpipe systems and fire pumps shall be
5 prepared under supervision of a registered professional engineer, competent in the field of fire
6 protection engineering and automatic sprinkler system design or a certified engineering
7 technician possessing a level III or higher certification in automatic sprinkler system layout
8 from the National Institute of Certification in Engineering Technologies (NICET). Plans shall
9 be signed, giving NICET level and certification number, or by seal of a professional engineer
10 who is registered in the state of Maryland.

11 **1:13.3.1.1.2 Plans and Calculations Required at Site:** A copy of the as-built sprinkler plans
12 and hydraulic calculations for every sprinkler system shall be kept permanently on site in a
13 water resistant tube or box affixed to the sprinkler riser in the control valve room.

14 **1:13.3.1.1.3 Sprinkler Systems Hydraulic Calculations:** The velocity pressure method of
15 hydraulic calculation shall not be utilized in calculating sprinkler or standpipe system demands.

16 **1:13.3.1.2.1** For new ceiling installations, drop-out ceilings as referenced in NFPA 13,
17 Subsection 8.15.15, shall be prohibited.
18

19 **1:13.3.1.2.2 Dry Pipe Trip Test:** All dry pipe sprinkler systems shall be capable of providing
20 water to the inspector's test CONNECTION within 60 seconds.

21 **1:13.3.1.2.3 Water Flow Alarm:** A water flow alarm, where required, will result in an audible
22 alarm on the premises within 60 seconds after flow begins.

23 **1:13.3.1.2.4 Service Chute Sprinklers:** In buildings greater than three stories, building service
24 chute sprinklers shall have a separate fire alarm zone.

1 **1:13.3.1.2.5 Control Valve Location:** Sprinkler control valves shall be located in an area that
2 is accessible to sprinkler maintenance personnel without entering through or into an individual
3 dwelling unit unless the valve controls only that portion of the system protecting that dwelling
4 unit.

5 **1:13.3.1.2.6 Signage:** Signage shall be installed on control valves or access panels to 13D and
6 13R sprinkler systems stating the following: “Caution, sprinkler system piping, do not disturb
7 insulation. Before altering system or taking system out of service, contact the Baltimore
8 County Fire Department Fire Marshal’s Office (410)887-4880”.

9 **1:13.3.1.2.7 Quick Response Heads Required:** When required by this code, all use group A
10 (assembly), use group I (institutional), use group R (residential), and high-rise sprinkler
11 systems shall utilize quick response or residential sprinkler heads, listed by a recognized
12 independent testing laboratory, and installed in compliance with their listing.

13 **1:13.3.1.2.8 Dry Pipe Systems Prohibited:** Dry pipe sprinkler systems shall not be installed in
14 normally occupied areas unless approval is obtained from the Baltimore County Fire Chief or
15 designee.

16 **1:13.3.1.8.3 Supervision of Fire Suppression Systems:** Fire suppression systems in new
17 buildings and existing buildings wherein the fire alarm control panel and/or the alarm
18 components are to be replaced shall be considered newly installed for the purpose of this
19 section shall be supervised by locking valves in the open position and in accordance with
20 NFPA 72 by one of the following methods:

- 21 (1) Approved central station system
- 22
- 23 (2) Approved local alarm service that will cause the sounding of an audible signal at a
- 24 constantly attended location in accordance with NFPA 72.

1 Exceptions:

2

3 (1) Underground gate valves with roadway boxes.

4

5 (2) Halogenated or other clean agent extinguishing systems.

6

7 (3) Carbon dioxide extinguishing systems.

8

9 (4) Dry chemical extinguishing systems.

10

11 (5) Water sprinkler system when servicing 20 or fewer sprinklers.

12

13 (6) Systems installed in compliance with NFPA 13D, "Standard for the installation of

14

15 sprinkler systems in one and two family dwellings and mobile homes".

16

17 (7) Systems installed in compliance with NFPA 13R that are not equipped with a separate

18

19 control valve.

20

21 **1:13.3.2.1 Where Required:** Where required by this code, the referenced codes and standards

22

23 listed in Chapter 2 of NFPA 1, or the Baltimore County Building Code, automatic sprinkler

24

25 systems shall be installed in accordance with NFPA 1 section 13.3.1.

26

27 **1:13.3.2.1.1 All New Buildings** shall be equipped with an automatic sprinkler system or other

28

29 automatic fire suppression system where required by the International Building Code as

30

31 incorporated by reference by the Maryland Building Performance Standards. Exception: Day

32

33 Care facilities that comply with the sprinkler requirements of NFPA 101 Life Safety Code.

34

35 **1:13.3.2.27.6 Speculative Warehouse Automatic Sprinkler System**

36

37 **Design:** The following criteria shall be incorporated into the design of automatic sprinkler

38

39 systems proposed for new or renovated speculative warehouse buildings.

40

41 (1) the system shall be designed to protect:

42

43 (a) NFPA 13 group "a" plastics in solid piles, bin box, shelf, or back-to-back shelf storage,

44

45 protected for the maximum possible storage height for the building.

1 (b) NFPA 13 group “a” plastics using in-rack sprinklers and designed to provide an additional
2 300 gpm at the base of riser. Design to maximum possible storage height for the building.
3 (2) If ESFR sprinklers are used, the design criteria shall be based on the full height of the
4 building and storage height limit. An additional 500 gpm shall be added at the base of riser for
5 in-rack sprinklers when the ESFR table in NFPA 13 requires in-racks due to k-factor or height of
6 building. A permanent metal or rigid plastic sign shall be provided at the riser stating the
7 commodity class protected, storage arrangement, and maximum storage height. A facsimile of
8 the sign shall be submitted with the sprinkler plans. The minimum design shall be based on
9 storage of group “a” plastic up to 20 feet but shall not be less than the storage height that the
10 building is able to accommodate.

11 **Sprinkler Maintenance**

12 **1:13.3.3.1** A sprinkler system shall be properly maintained to provide at least the same level of
13 performance and protection as designed. The owner shall be responsible for maintaining the
14 system and keeping it in good working condition.

15
16 **1:13.3.3.2** A sprinkler system shall be inspected, tested, and maintained in accordance with
17 NFPA 25.

18 **1:13.3.3.4.1.8.1 Valve Location:** The maximum height of sprinkler and standpipe control valve
19 shall be as follows. Sprinklers floor control valve shall be between 7ft and 7ft 6 inches above the
20 finished floor. Riser control valves shall be between 7ft and 8ft above finished floor.

21 **Fire Pumps**

22
23 **1:13.4.1.1.1** No fire pump component, including pump, driver, or controller, shall be installed in
24 belowground vaults or pits unless otherwise approved by the AHJ.

25 **1:13.4.6.4.3 Acceptance Test:** Fire pumps shall furnish not less than 150 percent of rated

1 capacity at a total head of not less than 65 percent of total rated head. If available suction
2 supplies do not permit the flowing of 150 percent of rated pump capacity, the fire pump shall be
3 operated at maximum allowable discharge to determine its acceptance subject to approval of the
4 Authority Having Jurisdiction. The shutoff total head for horizontal shaft pumps shall not
5 exceed 140 percent of the total rated head. The inlet pressure available from a water supply
6 shall be figured on a basis of flow of 150 percent of the rated capacity of the pump, as indicated
7 by flow test. The pressure in public mains shall not be reduced in pressure below 20 psi (138
8 kpa) while the pump is operating at 150 percent of its rated capacity.

9 **1:13.5.2 Rural Water Supply Required:** Where no adequate and reliable water supply exists
10 for fire-fighting purposes, the requirements of NFPA 1142, Standard on Water Supplies for
11 Suburban and Rural Fire Fighting, shall apply.

12 **Portable Fire Extinguishers**

13
14 **1:13.6.1.2 Where Required:** Fire extinguishers shall be provided where required by this code
15 as specified in table 1:13.6.1.2 and the referenced codes and standards listed in Chapter 2
16 unless otherwise permitted by the AHJ.

17 **1:13.6.1.2.1 Garden Apartment Extinguisher Locations:** Fire extinguishers shall be
18 required only in hazardous areas of garden apartment buildings.

19 **1:13.6.1.3.3.4 Sale of Extinguishers:** It shall be unlawful for any person, either as principal or
20 agent, to sell or offer for sale any fire extinguisher, whether new or used, unless that
21 extinguisher has been listed/approved and labeled by the Underwriter’s Laboratories, Inc.,
22 Factory Mutual Laboratories, or other testing laboratory approved by the AHJ.

23 **1:13.6.1.6.1.2 Non-Approved Extinguishers:** No portable fire extinguisher shall be
24 considered to be approved, even if it bears a listing or an approval label from a recognized

1 testing laboratory if the extinguisher contains any of the following liquids:

2 Ethylene dibromide

3 Carbon tetrachloride

4 Chlorobromomethane

5 Azeotropic chloromethane

6 Dibromodifluoromethane

7 1, 2-dibromo-2-chloro-1, 2-

8 trifluoroethane 1,2-dibromo-2, 2-

9 difluoroethane

10 Methyl bromide

11 Ethylene dibromide

12

13 1, 2-

14 dibromotetrafluoroethane

15 Hydrogen bromide

16 Methylene bromide

17 Bromodifluoromethane

18 Dichlorodifluoromethane

19 Or any other toxic or poisonous liquid

20

21 **1:13.6.4.1.2.1** Persons performing maintenance and recharging of extinguishers shall be

22 certified or licensed as required by the AHJ.

23 **1:13.6.4.1.2.1.7 Fire Extinguishers:** No person shall service, repair, fill, refill or recharge

24 portable fire extinguishers, unless that person has first obtained from the Baltimore County

25 Department of Permits and Development Management with approval of the Fire Chief or

26 designee, a license in the name of the person performing the work on the extinguishers.

1 Application for such license shall be made annually in the form prescribed by the Chief or
2 designee.

3 **1:13.7.1.5.4 Impaired and Nuisance Alarm Prone Systems:** Fire alarm systems that have
4 produced 5 or more nuisance alarms in a 60-day period shall be classified as chronic nuisance
5 alarm prone systems.

6 **1:13.7.1.5.5: Alarm Monitoring:** The AHJ shall require UL certified central station service
7 be provided for chronic nuisance alarm prone systems in accordance with NFPA 72: 26.3.

8 **1:13.7.1.13 Annunciation and Annunciation Zoning**

9
10 **1:13.7.1.13.1.1 When Graphic Annunciator Is Required:** A graphic annunciator shall be
11 provided in all buildings of new construction of the following types:

12 (1) High rise buildings;

13
14 (2) Covered malls;

15
16 (3) Nursing homes and hospitals;

17
18 (4) Buildings of 45 feet or higher in height, as measured from the lowest point at grade to
19 the roof level, and greater than 22,500 square feet per floor;

20 (5) Buildings less than 45 feet in height, as measured from the lowest point at grade to the roof
21 level, and greater than 100,000 square feet per floor, where due to the complexity of the
22 buildings, the hazard of the occupancy or operation or the potential risk from fire to the
23 occupant or responding fire fighters is such that the Fire Chief or designee deems a graphic
24 annunciator to be necessary.

25 **1:13.7.1.13.1.2 Existing Buildings:** When the required existing fire alarm is obsolete and an
26 upgraded alarm system requires a graphic annunciator, the annunciator shall meet the
27 requirements of 1:13.7.1.13.

1 **1:13.7.1.13.2.3 Alarm Annunciation:** On all fire alarm systems, annunciation of alarm signals
2 shall indicate the type of device sending the alarm, (area smoke detector, elevator lobby
3 detector, sprinkler water flow, heat detectors, carbon monoxide detectors, manual pull stations,
4 dry chemical, carbon dioxide systems, halon or other clean agent systems) the floor and the
5 zone of the alarm. Fire alarm zones shall parallel sprinkler zones to indicate the type of device
6 sending the alarm, (area smoke detector, elevator lobby detector, sprinkler water flow, heat
7 detectors, carbon monoxide detectors, manual pull stations, dry chemical, carbon dioxide
8 systems, halon or other clean agent systems) the floor and the zone of the alarm. Fire alarm
9 zones shall parallel sprinkler zones.

10 **1:13.7.1.13.3.3 Supervisory and Trouble Annunciation:** On all fire alarm systems,
11 annunciation of supervisory signals shall indicate the type of device sending the supervisory
12 signal, the floor and the zone involved. The annunciator shall indicate a valve tamper by
13 displaying the location of the zone affected not the location of the valve.

14 **1:13.7.1.13.4.3 Annunciator Access and Location:** A separate annunciator panel shall be
15 provided at the main entrance in all buildings of new construction, for all required alarm
16 systems, when the fire alarm control panel is not located at this point or does not provide
17 annunciation as required by subsections of 1:13.7.1.13.

18 **1:13.7.1.13.5.3 Alarm Annunciator Display:** The graphic annunciator shall provide the
19 following information and displays:

20 (1) A plan, elevation or isometric view of the entire building, such that the physical location
21 of pertinent details is easily recognizable.

22 (2) Each fire zone shall be identified in the relative position it occupies in the building and
23 shall be indicated by an individual red lamp that operates upon activation of an alarm signal

1 in that zone. Supervisory zones shall generally parallel alarm zones and shall be indicated in
2 amber.

3 (3) Indication of the availability for service of fire pumps and emergency generator.

4
5 (4) The location of all primary and secondary entrances, Fire Department Siamese and fire
6 pump test header connections, stair towers, elevators and elevator lobbies, elevator machine
7 rooms, trash and laundry chutes, electrical rooms, sprinkler and standpipe control valves, fire
8 pump rooms, emergency generators, a site orientation and a point of reference within the
9 structure.

10 **1:13.7.1.13.5.4** Graphic(s) with alphanumeric annunciation will be considered and may be
11 approved by the Fire Chief or designee.

12 **1:13.7.1.13.5.5 Standardized Abbreviations For Alphanumeric Displays:** Only the following
13 abbreviations shall be used:

HEAT = Heat Detector	HOOD = Hood System
PRSP = Preaction Sprinkler System	DRY = Dry Pipe System
ELV = Elevator	SD = Smoke Detector
GEN = Generator	PUMP = Fire Pump
STPR= Stair Pressurization	SPR = Sprinkler
FLOW = Water Flow Alarm	TMPR = Tamper
ZONE = Zone	TRBL = Trouble
FLR = Floor	PULL = Manual Pull
DUCT = Duct Detector	CO = CARBON MONOXIDE DETECTOR
N, E, S, W, NE, SE, NW, AND SW will indicate directional locations	

14
15
16 **New Day-Care Homes**

17
18 **1:13.7.2.5.6.4.1** Sealed ten-year lithium battery-operated carbon monoxide detectors rather than
19 single-station or multiple-station carbon monoxide detectors required by section 13.7.2.5.6.4 may

1 be accepted when, in the opinion of the fire chief or designee, the facility has demonstrated
2 testing, maintenance, and detector replacement programs that ensure reliability of power to the
3 detector.

4 **Existing Day Care Occupancies**

5
6 **1:13.7.2.6.5.1 Smoke Alarms:** approved sealed ten-year lithium battery-operated smoke alarms,
7 rather than house electric service-powered smoke alarms required by 13.7.2.6.5 shall be
8 permitted where, in the opinion of the Authority Having Jurisdiction, the facility has testing,
9 maintenance, and replacement programs that ensure reliability of power to the smoke alarms.

10 (101:17.6.3.4.4)

11 **1:13.7.2.28 New and Existing Storage Occupancies**

12
13 **1:13.7.2.28.1.2** Storage occupancies less than three stories, with ordinary or high hazard
14 contents not exceeding an aggregate floor area of 100,000 ft² (9300m²) shall not be required to
15 have a fire alarm system. (101:42.3.4.1.2)

16 **1:13.7.2.28.1.3** Storage occupancies less than three stories, protected throughout by an approved
17 automatic sprinkler system in accordance with section 13.3 shall not be required to have a fire
18 alarm system. (101:42.3.4.1.3)

19 **1:13.7.3.1.2 Certification And Maintenance Of Fire Alarm Installations:** All fire alarm
20 installations and maintenance of all fire alarm systems shall be in compliance with the
21 requirements of the Fire Prevention and Building Codes of Baltimore County, and shall be
22 installed and maintained in accordance with these regulations by an Underwriter's
23 Laboratory, Inc. (UL) listed fire alarm contractor or a Factory Mutual (FM Global) approved
24 fire alarm contractor, listed by UL or FM for installation and maintenance of "protective
25 signaling systems" or other nationally recognized testing laboratory. The fire alarm company

1 shall meet all UL or FM requirements for UL listed or FM approved protective signaling
2 systems, and shall provide a copy of the UL certificate or FM placard to the Fire Chief or
3 designee for all newly installed systems that are required by this code. A current UL
4 certificate or FM placard shall be maintained and renewed as necessary for all required FIRE
5 alarm systems installed after October 19, 2001. The fire alarm contractor shall notify the Fire
6 Chief or designee and building owner in writing of any termination of maintenance contracts
7 of any fire alarm system. Maintenance criteria, is found in and shall be in accordance with
8 NFPA 72, applicable to the particular system installed and applicable state regulations. For
9 the purpose of initial contractor certification, the fire department may waive the issuance of a
10 certificate for a period not to exceed one (1) year with a maximum of four (4) installations to
11 allow inspection and listing of contractor by a listing authority.

12 **1:13.7.3.1.3 Placards:** All fire alarm systems shall have affixed to the fire alarm panel a
13 warning placard reading, “Warning, systems must only be serviced by UL certified (or FM
14 approved) contractor”. The placard shall warn of contacting the Baltimore County Fire
15 Marshal’s office prior to making any modifications or additions to the fire alarm system and
16 that failure to comply may result in a fine being assessed. All newly UL certified or FM
17 approved fire alarm systems shall have an attached sticker on the fire alarm panel indicating
18 preliminary inspection approval by a UL or FM certification contractor and include the name
19 and phone number of the certification contractor for the purpose of allowing temporary
20 building occupancy. The sticker shall measure four (4) inches by four (4) inches.

21 **1:13.7.3.2.3.5.6 As-Built Drawings:** A copy of the as-built fire alarm plans for every fire
22 alarm system shall be kept permanently on site in a water resistant tube or box affixed to or
23 near the fire alarm panel.

1 **Other Fire Protection Systems**

2
3 **1:13.8.1 Carbon Dioxide:** Carbon dioxide systems shall incorporate the following items into
4 design and acceptance:

5 (1) Reserve capacity as identified in NFPA 12, 2015 edition (unless the area is also protected
6 by an automatic sprinkler system or exempted by the Fire Chief or designee).

7 (2) Full scale discharge test.

8
9 (3) Alarm annunciation to the building fire alarm system shall be provided when the building
10 is required by the Fire or Building Code to have a fire alarm system that is initiated by the
11 carbon dioxide system discharge sequence.

12 (4) Lights that flash when the system operates shall be located at each entrance to the
13 hazard enclosure, adjacent to the required warning sign.

14 Exception: system installations not required by the Building or Fire Codes of Baltimore County
15 shall be exempt from the requirements of subsections (1) and (2) of this subsection.

16 **1:13.8.2 Halon:** Halon systems shall incorporate the following items into their design and
17 acceptance:

18 (1) Reserve capacity as identified in NFPA 12A, 2015 edition (unless the area is also
19 protected by an automatic sprinkler system or exempted by the Fire Chief or designee). A
20 test shall be conducted in accordance with NFPA standards.

21 (2) Alarm annunciation to the building fire alarm system shall be installed when the
22 building is required by the Fire or Building Code to have a fire alarm system (manual or
23 automatic) upon initiation of the halon system discharge sequence.

24 (3) Lights that flash when the system is operated located at each entrance to the hazard
25 enclosure, adjacent to the required warning sign. Exception: System installations not required

1 by the Building or Fire Codes of Baltimore County shall be exempt from the requirements of
2 subsections (1) and (2) of this subsection.

3 **1:13.8.3 Other Extinguishing Agents:** Upon approval of the fire official, other extinguishing
4 agents may be utilized if installed in compliance with the appropriate NFPA standard.

5 **CHAPTER 14. MEANS OF EGRESS**

6
7 **1:14.5.2.8.1(6) Stairway Re-Entry:** Designated re-entry levels shall allow unobstructed
8 access to another exit.

9 **1:14.13.1.2** For the purposes of 14.13.1.1, **Exit Access** shall include, but not be limited to,
10 designated stairs, aisles, corridors, ramps, escalators and passageways leading to an exit. For
11 the purposes of 14.13.1.1, **Exit Discharge** shall include but is not limited to designated stairs,
12 ramps, aisles, walkways and escalators leading to a public way. (101: 7.9.1.2)

13 **1:14.14.1.8.1 Color:** Any new or replacement exit signs shall have green letters on a white
14 background or other approved distinguishable background color.

15 **CHAPTER 16. SAFEGUARDS DURING CONSTRUCTION**

16
17 **1:16.4.3.1.3 Water Supply Availability:** Where fire protection water supplies are required to
18 be provided, they shall be installed and made available for use not later than the time when the
19 construction of any individual building is under roof. A crusher run road for access to buildings
20 and hydrants shall be available for and usable by emergency fire apparatus and capable of
21 handling emergency apparatus weighing 80,000 pounds when construction of any building is
22 under roof.

23 **CHAPTER 18. FIRE DEPARTMENT ACCESS AND WATER SUPPLY**

24
25 **1:18.1.3.1 Fire Apparatus Access.** Plans for fire apparatus access roads shall be submitted to
26 the AHJ for review and approval prior to construction.

1 **1:18.1.3.2 Fire Hydrant Systems.** Plans and specifications for fire hydrant systems shall be
2 submitted to the AHJ for review and approval prior to construction.

3 **1:18.2.3.1.1 Access Roads and Fire Lanes:** The Fire Chief or designee shall have the
4 authority to require Fire Department access roads and fire lanes for buildings where deemed
5 necessary for firefighting operations.

6 **1:18.2.3.2.1** A Fire Department access road shall extend to within 50ft (15 m) of at least one
7 exterior door acceptable to the AHJ, that can be opened from the outside and that provides
8 access to the interior of the building.

9 **1:18.2.3.5.3 Fire Lane Signs:** It shall be the property owner's responsibility to assume the
10 financial cost for any designated fire lane signs as required under this code.

11 **1:18.3.2 Residential Rural Water Requirements:** All developments of ten (10) building lots
12 or more that had not undergone development plan conference review prior to October 19, 2001
13 that are not served by a municipal water supply shall have provisions for a water source which
14 is capable of supplying firefighting operations with four hundred (400) gallons per minute for
15 a time period of thirty (30) minutes. The water source shall be accessible and available for
16 firefighting operations throughout the entire year. The water source must be within two
17 thousand (2,000) feet of every building envelope within the development as measured by
18 travel over a road suitable for fire apparatus use and approved by the Fire Chief or designee. If
19 a water source which is located on an adjoining development or property will be utilized to
20 satisfy this requirement, then a recorded easement in favor of the property to be developed,
21 which states that the planned development may use the water source to comply with this
22 requirement, must be obtained and a copy of the easement provided to the Fire Chief or
23 designee prior to approval of the plan. A suitable water source must be approved by the Chief

1 or designee and may consist of:

2 (1) A cistern.

3

4 (2) An underground fiberglass tank.

5

6 (3) A drafting hydrant served by a water source meeting the requirements of this subsection.

7 Drafting hydrant to be six inches national standard thread female swivel connection with
8 cap.

9 (4) A dry standpipe served by a water source meeting the requirements of this subsection.

10 Drafting hydrant to be six inch national standard thread female swivel connection with
11 cap.

12 **1:18.3.2.1 Houses Protected by Sprinklers:** Houses within the development shall be
13 protected by a sprinkler system complying with NFPA 13D

14 **1:18.3.2.2 Tank Maintenance:** If an underground fiberglass storage tank is used to satisfy the
15 requirements of this subsection, the homeowner's association of the development shall be
16 responsible for the repair or replacement of the tank.

17 **1:18.5.1.7 Fire Hydrants:** Fire hydrants shall be located in a pattern approved by the Fire
18 Chief or his designee:

19 (1) Fire hydrants shall be placed at least forty feet (40') from buildings. When hydrants cannot
20 be placed at this distance, the fire official may permit a lesser distance provided the location
21 minimizes the possibility of injury by falling walls and is one from which people are not likely
22 to be driven by smoke and heat.

23 (2) There shall be a sufficient number of hydrants to make streams available to every part of
24 the exterior of the building.

25 (3) Hydrants shall be of standard triple type outlet. Make and model of the fire hydrants shall

1 be of a type recognized by the Baltimore County Department of Public Works as described in
2 the Standard Design Manual.

3 **1:18.5.1.8 Private Hydrant Threads:** All private hydrants shall have the same thread
4 requirement as public hydrants. The Baltimore County Standard thread for the 4 ½” steamer
5 nozzle shall conform to the County Plate W-30, dated March 5, 1982

6 **1:18.5.7.3 Obstructions:** Erection of fences or any other obstruction less than fifteen (15) feet
7 from any fire hydrant is prohibited.

8 **1:18.5.7.3.1 Access to Fire Hydrants:** Free access from the street to fire hydrants shall be
9 provided and maintained at all times. No material or obstruction shall be placed within fifteen
10 feet (15’) of such hydrants.

11 **1:18.5.9.1 Permits for Hydrant Use:** Use of public fire hydrants in Baltimore County is
12 prohibited unless a permit has been obtained from Baltimore County.

13 **1:18.5.10.4. Private Hydrants Supplied by Fire Pumps:** Private fire hydrants located on the
14 discharge side of the fire pumps shall have their bonnets painted white in order to indicate that
15 said hydrants are off the discharge side of a fire pump. Exceptions for presently existing
16 systems may be granted at the discretion of the Chief of the Fire Department or Designee.

17 **1:18.5.10.5 Private Hydrant Color:** Private fire hydrants shall be painted OSHA SAFETY
18 red to distinguish them from public (orange) hydrants.

19 **Chapter 19 Combustible Waste and Refuse**
20

21 **1:19.2.1.3.1 Removal of Contents:** The contents of waste and refuse containers shall not be
22 allowed to accumulate in such a manner that would prevent the full closing of any required lid,
23 cover, door or other device. If such condition exists, the container shall be emptied or the
24 contents reduced to an acceptable level.

1 **1: 19.2.1.4 Containers:** Waste and refuse containers with a capacity greater than 1.5 cubic
2 yards, shall not be stored within the building and:

3 (1) Be constructed of a non-combustible material.

4
5 (2) Be equipped with a lid cover and/or door so as to impede the spread of fire from within
6 the container.

7 (3) Be placed on stands of non-combustible materials or on the ground outdoors.

8
9 (4) Not be placed closer than 15 feet to structural walls or partitions constructed of
10 combustible materials, or openings in exterior walls, or beneath combustible overhangs
11 unless approved by the Chief or designee, or unless the walls are visual screens only.

12 Exception: Commercial trash compactors installed in compliance with provisions in the
13 Building Code of Baltimore County shall be exempt from the requirements of this subsection.

14 **CHAPTER 20. OCCUPANCY FIRE SAFETY**

15 **Assembly Occupancies**

16 **1:20.1.5.10.4 Occupant Load Posting:** In every place of public assembly there shall be a
17 certificate no less than five and one-half inches by eight and one-half inches in size
18 permanently posted in a conspicuous place near the main entrance in the assembly room. Such
19 certificate shall be furnished by the Fire Marshal's office of Baltimore County and shall read
20 as follows:

21 Capacity
22 Certificate Not
23 More Than
24 (Number)
25 Persons Allowed

1 In (Name of
2 Assembly) At Any
3 Time.

4 Baltimore County Fire
5 Department

6
7 Such a certificate shall be posted before any new place of public assembly is opened for
8 business as well as in existing places of public assembly. It shall be the owner's responsibility
9 for installation and maintenance of such signs.

10 **1:20.1.5.10.4.4** The maximum number of occupants permitted shall be determined in the
11 manner prescribed by the NFPA 101, and may not be exceeded.

12 **1:20.1.5.10.4.5** The Fire Chief or designee may, at the written request of the owner or occupant
13 of any building or place of assembly, post as the maximum occupancy of the building or place
14 of assembly a lesser number of persons than the number calculated in accordance with
15 subsection 1:20.1.5.10.3.1.1.1.

16 **Educational Occupancies**

17
18 **1:20.2.4.1.1 Evacuation Alarm:** When a fire, smoke, or hazardous condition is discovered in
19 an educational occupancy the evacuation alarm shall be activated to initiate an evacuation of
20 the building.

21 **1:20.2.4.2 Emergency Egress Drills**

22
23 **1:20.2.4.2.3** Fire emergency egress drills shall be conducted as follows: (1) not less than one
24 fire emergency egress drill shall be conducted every month the facility is in session, unless the
25 following criteria are met: (a) in climates where the weather is severe, the monthly fire
26 emergency egress drills shall be permitted to be deferred; and (b) in educational occupancies
27 which are: (i) fully protected by an automatic sprinkler system, the total number of annual fire

1 emergency egress drills shall be five, with a least two of the required drills conducted in the
2 first four months of the school year; or (ii) not fully protected by an automatic sprinkler
3 system, the total number of annual fire emergency egress drills shall be eight, with at least
4 three of the required drills conducted in the first four months of the school year.

5 (2) all occupants of the building shall participate in the fire emergency egress drill.

6
7 (3) one fire emergency egress drill, other than for educational occupancies that are open
8 on a year-round basis, shall be required within the first 30 days of operation.

9 **Day-Care Occupancies**

10
11 **1:20.3.4.1.1 Classification:** In new day-care homes, the requirements of 20.3.4 shall apply to
12 day-care homes in which not more than 12 clients receive care, maintenance, and supervision
13 by other than their relative(s) or legal guardian(s) for less than 24 hours per day, generally
14 within a dwelling unit. (101:16.6.1.1.2; 16.1.4)

15 **1:20.3.4.2.3.5.1 Furnishings and Decorations:** Draperies, curtains, and other similar
16 furnishings and decorations in day-care occupancies other than day-care homes shall be in
17 accordance with the provisions of section 12.6.2 of NFPA 1. (101:16.7.4.1; 101:17.7.4.1)

18 **1:20.3.4.2.3.6.1 Day-Care Staff:** Adequate adult staff shall be on duty, alert, and in the
19 facility at all times where clients are present. (101:16.7.5; 101:17.7.5)

20 Exception: day-care homes with no more than three clients for overnight lodging.

21
22 **1:20.5.2.1.4 Residential Board and Care Evacuation Classification:**

23
24 All small residential board and care facility operators are required to submit documentation of
25 the evacuation capability of their facility on an annual basis to the Chief or designee. This
26 documentation shall be developed using the forms and procedures found in NFPA 101A,
27 Guide on Alternative Approaches to Life Safety, 2016 edition. If the evacuation capability of

1 the facility changes due to changes in the status of individual clients or for any other reason,
2 the operator of the facility must notify the Chief or designee in writing within 10 days of the
3 date of the change.

4 **CHAPTER 25. TENTS, BLEACHERS**

5

6 **1:25.2.2.1** All **Tent Fabric** shall meet the flame propagation performance criteria contained in
7 NFPA 701, Standard Methods of Fire Tests for Flame Propagation of Textiles and Films, or
8 other approved testing standard approved by the State Fire Marshal. (101:11.11.2.1)

9 **CHAPTER 26. LABORATORIES**

10 **USING Chemicals Plans and Procedures**

11 **1:26.1.5.2** When requested by the AHJ, a hazard assessment shall be conducted by a
12 technically qualified person acceptable to the AHJ.

13 **1:26.1.5.3** When requested by the AHJ, a list of hazardous materials used in each laboratory
14 shall be provided. The list shall specify the chemical name, quantity, and hazard class.

15 **1:26.1.5.4** new laboratories or laboratories where the NFPA 45 hazard classification, changes
16 shall post an information placard near the main entrance to the laboratory. The placard shall
17 state the building name or address, room number, NFPA 45 laboratory hazard classification,
18 edition of NFPA 45, maximum allowable quantities of flammable liquids both inside a cabinet
19 and open use, and maximum quantities of flammable gases permitted within the laboratory.

20 **1:26.3 Construction**

21

22 **1:26.3.1** All laboratories, laboratory suites or laboratory units within the scope of NFPA 45
23 regardless of the laboratory hazard classification in NFPA 45, shall be separated by at least
24 one- hour fire resistance rated construction from non-laboratory areas. If a higher fire
25 resistance rating is required by table 5.1.1 in NFPA 45 or the building code, the higher fire

1 resistance rating shall be used. Rooms that are an incidental use to the lab shall be considered
2 part of the laboratory for the purpose of this requirement and shall not require additional
3 separation.

4 **CHAPTER 28. MARINAS AND BOATYARDS**

5 **Fixed Fire Extinguishment Systems**

6 **1:28.1.6.2.1.1 Buildings In Excess Of 500 Square Feet** that are constructed on piers shall be
7 protected by an approved automatic fire-extinguishing system unless otherwise permitted by
8 NFPA 1 sections 28.1.6.2.1.2, 28.1.6.2.1.3. (303:6.3.1.1)

9 **1:28.1.6.2.1.4 Covered Slips Less Than 12,000 Square Feet** in total area, considering water
10 supply availability and adequacy, and size of facility, where clearly impractical for economic or
11 physical reasons, shall not be required to be protected by an automatic fire-extinguishing
12 system.

13 **Fire Standpipe Systems**

14 **1:28.1.6.3.8 Flow Requirements:** Standpipes shall be designed to provide 250 gpm at 100-psi
15 nozzle pressure at the most remote outlet from the shoreline Siamese connection.

16 **1:28.1.6.3.9 Pipe Size:** Minimum pipe size shall be 2-½ inch.

17
18 **1:28.1.6.3.10 Hose Outlet Requirements:** Standpipe hose outlets shall be mounted between 9
19 inches and 18 inches above the pier decking. Standpipe hose outlets shall be provided at 100-
20 foot intervals along the pier or bulkhead. One outlet shall be provided within 100 feet of the
21 closest point of fire department pumper access or at the point where the pier joins the shoreline
22 if the closest point of fire department pumper access is more than 100 feet from the point
23 where the pier joins the shoreline. Standpipe outlets shall be 2-½ inch with national standard
24 threads.

1 **1:28.1.6.3.11 Protection of C.P.V.C. Pipe:** When C.P.V.C. piping is used, all connections
2 and piping shall be protected against mechanical damage and UV light damage as approved by
3 the AHJ.

4 **1:28.1.6.3.12 New Piers And Additions:** The provisions of NFPA 303, 2016 edition,
5 subsection 6.4, fire standpipe systems, shall apply to all newly constructed piers and
6 bulkheads as well as any additions to any existing piers or bulkheads.

7 **1:28.1.6.3.13 Existing Piers:** The provisions of NFPA 303, 2016 edition, subsection 6.4, fire
8 standpipe systems, do not apply to existing facilities that were built to the applicable Building
9 and Fire Codes or policies that were in effect at the time of their construction.

10
11 **1:28.1.6.3.14 Acceptance Tests:** The Chief or designee shall witness: A hydrostatic test of
12 200 psi for 2 hours, a flow test at a minimum 250 gpm at 100 psi discharge, and a drainage test
13 to determine that the entire system can be drained after each use.

14 **1:28.1.6.3.15 Periodic Test:** An annual flow test at a minimum of 250 gpm at 100 psi
15 discharge and a drainage test to determine that the entire system can be drained after each use
16 shall be conducted during the months of March or April.

17 **1:28.1.6.3.16 Fire Department Connection:** Approved Fire Department siamese connections
18 shall be installed in an approved manner and location at the shoreline at the beginning of the
19 pier or wharf. Exception: On floating piers the siamese connection will be at the beginning of
20 the first floating section.

21 **1:28.1.6.3.17 Drains: Standpipes** shall be designed to be dry and shall be pitched and
22 provided with drains accordingly.

23 **1:28.1.6.4.1 Flow Requirements:** At least one water supply which is capable of supplying a
24 minimum of 1,000 gallons per minute shall be provided within 150 feet of the shoreline

1 siamese connection or as prescribed by the Chief or designee.

2 **1:28.1.6.4.2 Types of Supply:** Acceptable fire protection water supplies shall include public
3 fire hydrants, private fire hydrants, and “suction points” or other water supplies approved by
4 the Chief or designee.

5 **1:28.1.6.4.3 “Suction” Point Design:** NFPA 1142, 2017 edition shall be used as a guide, with
6 a minimum pipe size being six (6) inches. Pumper connection on suction point shall be six (6)
7 inch with Baltimore County Fire Department approved threads.

8 **CHAPTER 29. PARKING GARAGES**

9 **1:29.1.4 Flammable Gas Powered Vehicles Prohibited:** Motor vehicles powered by or
10 containing flammable gases shall be prohibited from passing through or parking in all below
11 grade levels and in all non-open air parking structures unless such structures are specifically
12 designed to safely accommodate such motor vehicles and approved by the Chief or designee.
13 Entrances to parking structures serving or having access to such prohibited areas shall be
14 posted with conspicuous signs prohibiting motor vehicles powered by or containing
15 flammable gases from entering therein, unless such areas are designed to safely accommodate
16 such motor vehicles. The design shall be approved by the Fire Chief or designee prior to the
17 fabrication and installation of such signs.

18 **CHAPTER 31. FOREST PRODUCTS (INCLUDING LUMBER)**

19
20 **1:31.3.3.4.2.1 Storage Separation: Open Yard Storage of Lumber** shall be located at least
21 25 feet from adjacent property lines so as to provide reasonable protection against exposure
22 hazards. Where a distance of 25 feet cannot be maintained, a three-hour fire resistive masonry
23 firewall of minimum height of 25 feet shall be provided as equivalent protection.

24 **1:31.3.6.2.2(9)** Piles containing leaves and other extraneous or hogged material, such as whole

1 tree chip piles, shall be turned or reclaimed at least every 3 months.

2 **1:31.3.6.3.1 Woodchips And Hogged Materials:** Piles shall not exceed 18 feet in height, 50
3 feet in width, or 350 feet in length. Piles shall be subdivided by fire lanes, 30 feet wide at the
4 base of piles.

5 **CHAPTER 42. REFUELING**

6
7 **1:42.7.5.5.1** The following information shall be conspicuously posted in this area:

8
9 (1) The exact address of the unattended self-service facility.

10
11 (2) The telephone number of the owner or operator of the unattended self-service facility.

12
13 **1:42.7.5.7** Management/owner, officials or employees shall conduct daily site visits to ensure
14 that all equipment is operating properly.

15 **1:42.7.5.8** Regular equipment inspection and maintenance at the unattended self-service
16 facility shall be conducted.

17 **1:42.7.5.9** Fuel dispensing equipment shall comply with one of the following:

18
19 (1) The amount of fuel being dispensed is limited in quantity by preprogrammed card.

20
21 (2) Dispensing devices shall be programmed or set to limit uninterrupted fuel delivery of
22 not more than 25 gallons and shall require a manual action to resume continued delivery.

23 **CHAPTER 50. COMMERCIAL COOKING EQUIPMENT**

24 **1:50.1.5 Equipment in Trailers and Vehicles:** Cooking equipment that is installed in a trailer
25 or vehicle (e.g. chuck wagon, food trucks or lunch wagon) must conform to requirements of
26 NFPA 96, 2017 edition and is not covered under this regulation.

27 **1:50.2.1.10 Outdoor Commercial Cooking Operations:** These requirements apply to
28 commercial outdoor cooking operations such as those that typically take place under a canopy
29 or tent type structure at fairs, festivals and carnivals. This includes but is not limited to frying,

1 sautéing and grilling operations.

2 **1:50.2.1.10.1 Tent and Canopy Requirements.**

3
4 **1:50.2.1.10.1.1** Tents or canopies where cooking equipment not protected in accordance with
5 NFPA 96 is located shall not be occupied by the public and shall be separated from other tents,
6 canopies, structures, or vehicles by a minimum of 10 ft. (3050 mm) unless otherwise approved
7 by the AHJ.

8 **1:50.2.1.10.1.2** All canopy and tent material shall comply with the flame resistance
9 requirements found in Subsection 25.2.2.

10 **1:50.2.1.10.2 LP Gas Fuel Requirements:**

11
12 **1:50.2.1.10.2.1** LP gas tank size shall be limited to 60 lbs. or less. Total amount of LP gas on
13 site shall not exceed 60 lbs. total for each appliance that is rated not more than 80,000 btu/hr.
14 and 120 lbs. for each appliance rated above 80,000 btu/hr. (lp gas generates 21,548 btu/lb.).

15 **1:50.2.1.10.2.2** Tanks shall be maintained in good physical condition and shall have a valid
16 hydrostatic date stamp.

17 **1:50.2.1.10.2.3** Tanks shall be secured in their upright position with a chain, strap or other
18 approved method that prevents the tank from tipping over.

19 **1:50.2.1.10.2.4** Tanks shall be located so that they are not accessible to the public. LP gas
20 tanks shall be located at least 5 feet from any cooking or heating equipment or any open flame
21 device. **1:50.2.1.10.2.5** All LP gas equipment shall be properly maintained and comply with
22 the requirements of NFPA 58, 2017 edition.

23 **1:50.2.1.10.2.6 Regulators:** Single-stage regulators may not supply equipment that exceeds
24 100,000 btu/hr. Rating. Two-stage regulators shall be used with equipment exceeding 100,000
25 btu/hr.

1 **1:50.2.1.10.3 General Safety Requirements**

2

3 **1:50.2.1.10.3.1** All electrical cords shall be maintained in a safe condition and shall be secured
4 to prevent damage.

5 **1:50.2.1.10.3.2 Moveable Cooking Equipment** shall have the wheels removed or shall be
6 placed on blocks or otherwise secured to prevent movement of the appliance during operation.

7 **1:50.2.1.10.3.3 Extinguisher Requirements:** A portable fire extinguisher having a minimum
8 rating of 20 BC shall be required for any LP gas cooking equipment. Additionally, a K-type
9 extinguisher shall be required to protect any deep frying equipment.

10 **1:50.5.2.9 Non-Compliant Equipment:** An individual or service company shall not service a
11 cooking equipment suppression system required by NFPA 96, 2017 edition, if that system is
12 not in full compliance with all applicable sections of the fire code without making the
13 necessary modifications to bring the system into compliance with the Fire Code. If the owner
14 of a suppression system does not take the necessary measures to have the system modified to be
15 in full compliance with the code, the service company will tag the system out of service and
16 send written notice within 30 days to the Chief or designee that the system is out of service.

17 **CHAPTER 65. EXPLOSIVES, FIREWORKS AND MODEL ROCKETRY**

18 **1:65.1.3 Permits** shall be required for the following:

19 (1) fireworks displays;

20

21 (2) pyrotechnics before a proximate audience; and

22

23 (3) flame effects before an audience.

24

25 **1:65.1.4 Ground Based Sparkling Devices and Held Sparklers:** The sale, handling
26 and storage of ground based sparkling devices and hand held sparklers shall comply
27 with the provisions of NFPA 1 and COMAR Title 29.06.07.

1 **1:65.1.5 Possession Or Use:** Except as otherwise provided, it shall be unlawful for any person
2 to possess, store, offer for sale, expose for sale, sell, use, burn or explode any fireworks;
3 provided, that the possession, sale or discharge of fireworks are permitted when such activities
4 are conducted under a permit issued by the State Fire Marshal.

5 **1:65.1.6 Signal Purposes, Shows, Etc.:** Nothing in this section shall be construed to prohibit
6 the use of fireworks by railroads or other transportation agencies for signal purposes or
7 illumination, or the sale or use of blank cartridges for show or theater, or for signal or
8 ceremonial purposes in athletic, sport, boating, or use by military organizations.

9 **1:65.2 Display Fireworks**

10 All applications for permits for display shall be filed at least 10 business days before the
11 display is to be held. Under public safety article, title 10, annotated code of Maryland, the
12 following requirements apply to public liability and property damage insurance: in order to
13 meet the requirement of the statute, the state shall be named as an insured in the contract of
14 insurance.
15 insurance.

16 Because the policy shall cover all damages to persons or property, a deductible form of
17 coverage may not be accepted; the minimum amount of coverage that the state can accept on
18 any display is \$25,000 for the injury of one person, \$50,000 for more than one person, and
19 \$10,000 for property damage; and a duplicate policy of a certificate of insurance shall be
20 attached to the application. The policy or certificate shall provide that: the coverage may not
21 be canceled without at least 30 days' notice to the State Fire Marshal; the duplicate policy or
22 certificate shall set forth all of the terms, conditions, endorsements, and riders which are or
23 which will become part of the policy when issued; it is understood and agreed that limitations
24 cannot be included in the policy which are not set forth in the duplicate policy or certificate of

1 insurance which has been filed; if the policy is issued by an insurer authorized to do business
2 in the state, it shall be validated by the signature of an agent licensed by the Maryland
3 Insurance Administration to represent the insurer; if coverage is provided by an insurer who is
4 not authorized to do business in the state, the duplicate policy or certificate of insurance shall
5 be accompanied by a power of attorney or other satisfactory evidence that the person, firm, or
6 corporation acting as agent in accepting the risk has authority to bind risks and issue policies
7 for the insurer. The State Fire Marshal's Office specifically reserves the right to disapprove
8 contracts issued by any authorized insurer if the Fire Marshal's Office determines the insurer is
9 unsatisfactory; and if the policy issued by the unauthorized company is acceptable to the Fire
10 Marshal's Office, it shall be registered and the registration fee and tax paid.

11 **1:65.2.1.1 Storage:** No persons shall keep or store fireworks in the county for a period in
12 excess of eight hours unless such person shall have a valid permit from the State Fire Marshal
13 for display within the county and unless such storage site has been approved by the State Fire
14 Marshal's Office (alternately Fire Prevention Division).

15 **1:65.2.3 Storage of Display Fireworks:** All storage of display fireworks shall comply with
16 NFPA 1124, code for the manufacture, transportation, storage, and retail sales of fireworks and
17 pyrotechnic articles, 2017 edition.

18 **1:65.3 Pyrotechnics Before a Proximate Audience** all applications for permits for display
19 shall be filed at least 10 business days before the display is to be held. Under public safety
20 article, title 10, annotated code of Maryland, the following requirements apply to public
21 liability and property damage insurance: in order to meet the requirement of the statute, the
22 state shall be named as an insured in the contract of insurance. Because the policy shall cover
23 all damages to persons or property, a deductible form of coverage may not be accepted; the

1 minimum amount of coverage that the state can accept on any display is \$25,000 for the injury
2 of one person, \$50,000 for more than one person, and \$10,000 for property damage; and a
3 duplicate policy of a certificate of insurance shall be attached to the application. The policy or
4 certificate shall provide that: the coverage may not be canceled without at least 30 days' notice
5 to the State Fire Marshal; the duplicate policy or certificate shall set forth all of the terms,
6 conditions, endorsements, and riders which are or which will become part of the policy when
7 issued; it is understood and agreed that limitations cannot be included in the policy which are
8 not set forth in the duplicate policy or certificate of insurance which has been filed; if the
9 policy is issued by an insurer authorized to do business in the state, it shall be validated by the
10 signature of an agent licensed by the Maryland Insurance Administration to represent the
11 insurer; if coverage is provided by an insurer who is not authorized to do business in the state,
12 the duplicate policy or certificate of insurance shall be accompanied by a power of attorney or
13 other satisfactory evidence that the person, firm, or corporation acting as agent in accepting the
14 risk has authority to bind risks and issue policies for the insurer. The State Fire Marshal's
15 Office specifically reserves the right to disapprove contracts issued by any authorized insurer if
16 the Fire Marshal's Office determines the insurer is unsatisfactory; and if the policy issued by
17 the unauthorized company is acceptable to the Fire Marshal's Office, it shall be registered and
18 the registration fee and tax paid.

19 **1:65.4 Flame Effects Before an Audience**

20
21 All applications for permits for display shall be filed at least 10 business days before the
22 display is to be held. Under Public Safety Article, Title 10, Annotated Code of Maryland, the
23 following requirements apply to public liability and property damage insurance: in order to
24 meet the requirement of the statute, the state shall be named as an insured in the contract of

1 insurance.

2 Because the policy shall cover all damages to persons or property, a deductible form of

3 coverage may not be accepted; the minimum amount of coverage that the state can accept on

4 any display

5 is \$25,000 for the injury of one person, \$50,000 for more than one person, and \$10,000 for

6 property damage; and a duplicate policy of a certificate of insurance shall be attached to the

7 application. The policy or certificate shall provide that: the coverage may not be canceled

8 without at least 30 days' notice to the State Fire Marshal; the duplicate policy or certificate

9 shall set forth all of the terms, conditions, endorsements, and riders which are or which will

10 become part of the policy when issued; it is understood and agreed that limitations cannot be

11 included in the policy which are not set forth in the duplicate policy or certificate of insurance

12 which has been filed; if the policy is issued by an insurer authorized to do business in the

13 state, it shall be validated by the signature of an agent licensed by the Maryland Insurance

14 Administration to represent the insurer; if coverage is provided by an insurer who is not

15 authorized to do business in the state, the duplicate policy or certificate of insurance shall be

16 accompanied by a power of attorney or other satisfactory evidence that the person, firm, or

17 corporation acting as agent in accepting the risk has authority to bind risks and issue policies

18 for the insurer. The State Fire Marshal's Office specifically reserves the right to disapprove

19 contracts issued by any authorized insurer if the Fire Marshal's Office determines the insurer is

20 unsatisfactory; and if the policy issued by the unauthorized company is acceptable to the Fire

21 Marshal's Office, it shall be registered and the registration fee and tax paid.

22 **1:65.5. Fireworks Manufacture:**

23

24 **1:65.5.1** It shall be unlawful to manufacture fireworks within Baltimore County.

25

1 **1:65.5.2** The manufacture, transportation, or storage of fireworks shall comply with NFPA
2 1124, code for the manufacture, transportation, and storage, of fireworks and pyrotechnic
3 articles.

4 **1:65.5.3 Sale or Use of Fireworks Shall Comply with the Following:** before the sale,
5 offering
6 for sale, or use within the state, of any sparkler, every manufacturer of sparklers shall submit
7 sufficient samples for inspection to the State Fire Marshal, with a laboratory report from a
8 certified testing laboratory affirming that the analysis of these sparklers showed that they
9 contain no chlorates or perchlorates. All sparklers sold in the state shall be sold in boxes, and
10 each box shall be clearly marked that the sparklers contain no chlorates or perchlorates. The
11 manufacturer shall furnish the State Fire Marshal with a current list of wholesalers, jobbers,
12 retailers, or retail outlets, who handle or supply sparklers, or maintain a list of wholesalers,
13 jobbers, retailers, or retail outlets, subject to inspection by the State Fire Marshal.

14 **1:65.9.1 Reference to NFPA 495:**

15
16 (1) delete Sections 11.2 and 11.3.
17
18 (2) amend Section 3.3 to add the following definition: demolition. The explosive razing
19 of any manmade structure or any part thereof that cannot be covered with overburden or
20 blasting mats. (3) amend Section 4.4 to add the following new Subsection: 4.4.7 each
21 applicant for a demolition class d permit shall possess 5 years of experience in the field
22 of demolition and shall pass the demolition examination as approved by the Office of
23 the State Fire Marshal.

24 **1:65.10 Sale, Handling, and Storage of Consumer Fireworks**

25 **1:65.10.1 Applicability**

1 **1:65.10.1.1 General Requirements:** Retail sales of consumer fireworks in both new and
2 existing buildings, structures, and facilities shall comply with the requirements of this section
3 unless otherwise indicated.

4 **1:65.10.1.1.1 New Facilities**

5
6 **1:65.10.1.1.1.1** For the purpose of applying the requirements of this section, the following
7 consumer fireworks retail sales (CFRS) facilities and stores shall be considered to be new:

8 (1) permanent CFRS facilities and stores that are not initially occupied until after the effective
9 date of this code, unless plans are submitted and accepted for review, plans have been
10 approved for construction, or a building permit has been issued prior to the effective date of
11 this Code;

12 (2) permanent CFRS facilities and stores constructed prior to the effective date of this code
13 and in which the retail sales of consumer fireworks have not been conducted either seasonally
14 or year round within one year prior to the effective date of this code;

15 (3) temporary CFRS facilities and stores.

16
17 **1:65.10.1.1.1.2** In a store where the area of the retail sales floor occupied by the retail displays
18 of consumer fireworks is increased after the effective date of this code, such that the area

19 exceeds The limits specified in 65.10.5.1.1(1), the building shall be considered to be a new

20 CFRS facility. **1:65.10.1.1.2 Existing Facilities:** For the purpose of applying the requirements

21 of section 65.10, CFRS facilities and stores not considered to be new as specified in

22 65.10.1.1.1 shall be considered to be existing.

23 **1:65.10.1.1.3 Minimum Requirements:** Existing life safety features that do not meet the
24 requirements for new buildings but that exceed the requirements for existing buildings shall
25 not be further diminished.

1 **1:65.10.1.1.4 Modernization or Renovation:** Any alteration or any installation of new
2 equipment shall meet, as nearly as practicable, the requirements for new construction.

3 **1:65.10.1.1.4.1** Only the altered, renovated, or modernized portion of an existing building,
4 system, or individual component shall be required to meet the provisions of this code that are
5 applicable to new construction.

6 **1:65.10.1.1.4.2** If the alteration, renovation, or modernization adversely impacts required life
7 safety features, additional upgrading shall be required.

8
9 **1:65.10.1.1.4.3** Except where another provision of this code exempts a previously approved
10 feature from a requirement, the resulting feature shall be not less than that required for existing
11 buildings.

12 **1:65.10.1.2 Facility Classification:** The requirements of this section shall apply to the
13 following:

14 (1) permanent buildings and structures, including the following:

- 15 (a) stores;
- 16
- 17
- 18 (b) CFRS facilities.
- 19

20 (2) temporary facilities, including the following:

- 21 (a) CFRS stands;
- 22
- 23 (b) tents;
- 24
- 25
- 26 (c) canopies;
- 27
- 28 (d) membrane structures.
- 29

30 **1:65.10.2 Special Limits for Retail Sales of Consumer Fireworks**

31
32 **1:65.10.2.1** Retail sales of consumer fireworks, including their related storage and display for
33 sale of such fireworks, shall be in accordance with this code.

1 **1:65.10.2.2** Retail sales of consumer fireworks shall be limited to mercantile occupancies
2 defined in 3.3.183.17 and NFPA 101.

3 **1:65.10.2.3** Any building or structure used for the retail sales of consumer fireworks, including
4 their related storage, shall comply with section 20.12 and NFPA 101 for mercantile
5 occupancies, except as provided in this code.

6 **1:65.10.2.4** Retail sales of display fireworks and pyrotechnic articles, including the related
7 storage and display for sale of such fireworks and articles, shall be prohibited at a CFRS
8 facility or store.

9 **1:65.10.2.5** Retail sales of certain explosive devices prohibited by the child safety act of 1966,
10 including the related storage and display for sale of such devices, shall be prohibited at a
11 CFRS facility or store.

12 **1:65.10.2.6** The retail sales of pest control devices, including their related storage and display
13 for sale, shall be prohibited at a CFRS facility or store.

14 **1:65.10.2.7** the retail sales of fireworks that do not comply with the regulations of the U.S.
15 Consumer Product Safety Commission as set forth in 16 CFR 1500 and 1507 and the
16 regulations of the U.S. Department of Transportation as set forth in 49 CFR 100 to 178,
17 including their related storage and display for sale, shall be prohibited.

18 **1:65.10.3 General Requirements for All Retail Sales.**

19 **1:65.10.3.1 Exempt Amounts.**

20 **1:65.10.3.1.1** The requirements of this section shall not apply to CFRS facilities or stores
21 where the consumer fireworks are in packages and where the total quantity of consumer
22 fireworks on hand does not exceed 125 lb. (net) of pyrotechnic composition or, in a building
23 protected throughout with an approved automatic sprinkler system installed in accordance with

1 section 13.3 and NFPA 13, 250 lb. (net) of pyrotechnic composition.

2 **1:65.10.3.1.2** Where the actual weight of the pyrotechnic composition of consumer fireworks
3 is not known, 25 percent of the gross weight of the consumer fireworks, including packaging,
4 shall be permitted to be used to determine the weight of the pyrotechnic composition.

5 **1:65.10.3.2 Permits.** Where required by state or local laws, ordinances, or regulations, a
6 permit for the following shall be obtained:

7 (1) construction, erection, or operation of the following:

- 8 (a) permanent building or structure;
- 9 (b) temporary structure such as a stand, tent, or canopy used for the purpose of the
10 retail display or sale of consumer fireworks to the public.

11 (2) storage of consumer fireworks in connection with the retail display or sale of
12 consumer fireworks to the public.

13 **1:65.10.3.3 Plans.** Plans for facilities other than stands and tents shall include the following:

14 (1) minimum distances from the following:

- 15 (a) public ways;
- 16 (b) buildings;
- 17 (c) other CFRS facilities;
- 18 (d) motor vehicle fuel-dispensing station dispensers;
- 19 (e) retail propane-dispensing station dispensers;
- 20 (f) flammable and combustible liquid aboveground tank storage;
- 21 (g) flammable gas and flammable liquefied gas bulk aboveground storage and
22 dispensing areas within 300 ft. (91.5 m) of the facility used for the retail sales of
23 consumer fireworks.

- 1 (2) vehicle access and parking areas.
- 2
- 3 (3) location and type of portable fire extinguishers.
- 4
- 5 (4) floor plan and layout of storage and displays to indicate compliance with this Chapter
- 6 and applicable state or local laws, ordinances, or regulations.
- 7 (5) means of egress.
- 8
- 9 (6) construction details.

10
11 **1:65.10.34 Fire Department Access.** Any portion of an exterior wall of a building, sidewall of
12 a tent, or other defined perimeter of a CFRS facility or store shall be accessible within 150 ft
13 (45.7m) of a public way or an approved fire apparatus access.

14 **1:65.10.3.5 Construction of Buildings and Structures.** Consumer fireworks shall only be
15 permitted to be sold at retail in any of the following buildings or structures, provided that any
16 new building or structure does not exceed one story in height:

- 17 (1) permanent buildings or structures constructed in accordance with the building code
- 18 enforced by the AHJ;
- 19 (2) tents, canopies, or temporary membrane structures complying with NFPA 102, standard
- 20 for grandstands, folding and telescopic seating, tents, and membrane structures;
- 21 (3) temporary structures constructed in accordance with this Chapter;
- 22
- 23 (4) temporary CFRS stands greater than 800 ft² (74 m²) in area that also meet the
- 24 requirements for a permanent structure;
- 25 (5) vehicles, such as vans, buses, trailers, recreational vehicles, motor homes, travel trailers,
- 26 trucks, and automobiles, complying with the applicable requirements for CFRS stands.

27 **1:65.10.3.6** an automatic sprinkler system designed and installed in accordance with section
28 13.3 and NFPA 13 shall be provided throughout permanent CFRS facilities and stores in

1 which CFRS are conducted in the following buildings:

2 (1) new buildings greater than 6000 ft² (557.2 m²) in area;

3

4 (2) existing buildings greater than 7500 ft² (694 m²) in area.

5

6 **1:65.10.3.6.1** door and window openings in the fire barrier wall shall be protected by self-

7 closing fire doors or fixed fire windows having a fire protection rating of not less than 1 hour

8 and shall be installed in accordance with section 12.4 and NFPA 80, standard for fire doors

9 and other opening protectives.

10 **1:65.10.3.6.2** any other openings or penetrations in the fire barrier wall shall be protected in

11 accordance with NFPA 101.

12 **1:65.3.6.3** every CFRS facility and store shall have no fewer than two portable fire

13 extinguishers with a minimum rating of 2a, at least one of which shall be of the pressurized

14 water type.

15 **1:65.10.3.7 Storage Rooms.** Storage rooms containing consumer fireworks in a new

16 permanent CFRS facility or store shall be protected with an automatic sprinkler system

17 installed in accordance with section 13.3 and NFPA 13 or separated from the retail sales area

18 by a fire barrier having a fire resistance rating of not less than 1 hour.

19 **1:65.10.3.8 Portable Fire Extinguishers.**

20

21 **1:65.10.3.8.1 Specification.** Portable fire extinguishers shall be provided as required for extra

22 (high) hazard occupancy in accordance with section 13.6 and NFPA 10.

23 **1:65.10.3.8.2 Extinguisher Type.** Where more than one portable fire extinguisher is required,

24 at least one fire extinguisher shall be of the multipurpose dry chemical type if the facility is

25 provided with electrical power.

26 **1:65.10.3.8.3 Location.** Portable fire extinguishers for permanent consumer fireworks retail

1 sales facilities and stores shall be located so that the maximum distance of travel required to
2 reach an extinguisher from any point does not exceed 75 ft. (23 m), as specified in. NFPA 10.

3 **1:65.10.3.9 Fire Alarms.** A fire alarm system shall be provided as required by section 13.7
4 and NFPA 101.

5 **1:65.10.3.10 Smoke Control.**

6
7 **1:65.10.3.10.1** Smoke and heat vents designed and installed in accordance with NFPA 204,
8 standard for smoke and heat venting, shall be provided in the CFRS area of new permanent
9 CFRS facilities or stores where the ceiling height is less than 10 ft. (3.05 m) and the travel
10 distance to reach an exit is greater than 25 ft. (7.6m).

11
12 **1:65.10.3.10.2** The Smoke and heat vents required by 65.10.3.10.1 shall be automatically
13 activated by a smoke detection system installed throughout the CFRS area in accordance
14 With NFPA 72.

15 **1:65.10.3.11 No Smoking Signs.**

16
17 **1:65.10.3.11.1** Smoking shall not be permitted inside or within 50 ft. (15.5m) of the CFRS
18 area.

19 **1:65.10.3.11.2** At least one sign that reads as follows, in letters at least 2 in. (51 mm) high on
20 a contrasting background, shall be conspicuously posted at each entrance or within 10 ft.
21 (3.05m) of every aisle directly serving the CFRS area in a store: "FIREWORKS – NO
22 SMOKING"

23 **1:65.10.3.12 Distance from Bulk Dispensing and Bulk Storage.**

24 **1:65.10.3.12.1** CFRS facilities and stores shall not be located within 50 ft. (15.2 m) of the
25 following:

26 (1) retail propane-dispensing station dispensers;

27

1 (2) aboveground storage tanks for flammable or combustible liquid, flammable gas,
2 or flammable liquefied gas;

3 (3) compressed natural gas-dispensing station dispensers.
4

5 **1:65.10.3.12.2** New CFRS facilities and stores, existing CFRS stands and tents, and temporary
6 CFRS facilities shall not be located within 50 ft. (15.2 m) of motor vehicle fuel-dispensing
7 station dispensers.

8 **1:65.10.3.10.12.3** Existing CFRS facilities, other than CFRS stands, tents, and temporary
9 facilities, and existing stores shall not be located within 25 ft. (7.6 m) of motor vehicle fuel
10 dispensing station dispensers.

11 **1:65.10.3.12.4** Fuel tanks on vehicles or other motorized equipment shall not be considered
12 bulk storage.

13 **1:65.10.3.12.5** Fuel storage for generators shall be in accordance with 65.10.4.9.2.

14 **1:65.10.3.12.6** CFRS areas and storage areas shall not be located within 300 ft (91.2 m) of any
15 aboveground bulk storage or bulk dispensing area for the following:

16 (1) flammable or combustible liquid;
17
18 (2) flammable gas;
19
20 (3) flammable liquefied gas.
21

22 **1:65.10.3.13 Fire Safety and Evacuation Plan.** For a CFRS facility or store, an approved
23 fire safety and evacuation plan shall be prepared in writing and maintained current.

24 **1:65.10.3.14 Means of Egress.**

25 **1:65.10.3.14.1 Number of Exits**

26 **1:65.10.3.14.1.1** The minimum number of exits provided from the retail sales area shall be
27 not less than three or as determined in accordance with Chapter 14 and NFPA 101, whichever

1 number is greater.

2 **1:65.10.3.14.1.2** Required means of egress from the retail sales area shall not be allowed
3 to pass through storage rooms.

4 **1:65.10.3.14.2 Egress travel distance.** Exits provided for the retail sales area of tents,
5 membrane structures, canopies, and permanent CFRS facilities, including class c stores,
6 shall be located so that the maximum egress travel distance, measured from the most remote
7 point to an exit along the natural and unobstructed path of egress travel, does not exceed 75 ft.
8 (22.9 m).

9 **1:65.10.3.14.3 Aisles.** Aisles serving as a portion of the exit access in CFRS areas shall
10 comply with this paragraph.

11 **1:65.10.3.14.3.1 Aisle Width**

12 **1:65.10.3.14.3.1.1** Aisles should have a minimum width clear width of 48 in. (1.2 m)

13 **1:65.10.14.3.1.2** Required width of aisles shall be maintained unobstructed at all times the
14 facility is occupied by the public.

15 **1:65.10.3.14.3.2 Aisles Arrangement.**

16

17 **1:65.10.3.14.3.2.1** Not less than one aisle shall be provided and arranged so that travel along
18 the aisle leads directly to an exit.

19 **1:65.10.3.14.3.2.2** Other required exits shall be located at, or within 10 ft. (3.05 m) of, the end
20 of an aisle or a cross-aisle.

21 **1:65.10.3.14.3.2.3** Aisles shall terminate at an exit, another aisle, or a cross-aisle.

22

23 **1:65.10.3.14.3.2.4** Dead-end aisles shall be prohibited.

24

25 **1:68.10.3.14.3.2.5** Where more than one aisle is provided, not less than one cross-aisle shall
26 have an unobstructed connection with every aisle, other than cross-aisle.

1 **1:65.10.3.14.3.2.6** Cross-aisle connections shall be provided for each aisle at intervals not
2 greater than 50 ft. (15.2 m) as measured along the aisle.

3 **1:65.10.3.14.3.2.7** Where cross-aisles are required, not less than one cross-aisle shall have at
4 least one end terminate at, or within 10 ft. (3.05 m) of an exit.

5 **1:65.10.3.14.4 Doors and Doorways.** Doors and doorways used in the means of egress
6 shall comply with this paragraph.

7 **1:65.10.3.14.4.1** Egress doors shall be not less than 36 in. (910 mm) in width providing a
8 minimum of 32 in. (813 mm) clear width.

9 **1:65.10.3.14.4.2** Every egress door that has a latching device shall be provided with panic
10 hardware complying with Chapter 14 and NFPA 101.

11 **1:65.10.3.14.4.3** Means of egress doors shall be of the side hinge swinging type and shall
12 be arranged to swing in the direction of egress travel.

13 **1:65.10.3.14.5 Exit Signs**

14 **1:65.10.3.14.5.1** Exits shall be marked by an approved exit sign in accordance with
15 section 14.14 and NFPA 101.

16 **1:65.10.3.14.5.2** Exit signs shall be required to be self-luminous or internally or externally
17 illuminated.

18 **1:65.10.3.14.6 Emergency Lighting**

19
20 **1:65.10.3.14.6.1** The means of egress, including the exit discharge, shall be illuminated
21 whenever the facility is occupied in accordance with section 14.12 and NFPA 101.

22 **1:65.10.3.14.6.2** Emergency lighting shall be provided for CFRS facilities and stores and
23 shall comply with section 14.13 and NFPA 101.

24 **1:65.10.3.15 Retail Displays**

25

1 **1:65.10.3.15.1 General.** The requirements of this section shall apply only to CFRS areas,
2 unless otherwise specifically indicated

3 **1:65.10.3.15.2** Height of sales displays. To provide for visual access of the retail sales area
4 by the employees and customers, partitions, counters, shelving, cases, and similar space
5 dividers shall not exceed 6 ft. (1.8 m) in height above the floor surface inside the perimeter

6 **1:65.10.3.15.2.1** Merchandise on display or located on shelves or counters or other
7 fixtures shall not be displayed to a height greater than 6 ft. (1.8 m) above the floor surface
8 within the CFRS area.

9 **1:65.10.3.15.2.2** Where located along the perimeter of the consumer fireworks retail sales
10 area, the maximum height of sales displays shall be limited to 12 ft. (3.66 m).

11 **1:65.10.3.15.3** Flame Breaks

12 **1:65.10.3.15.3.1** Where continuous displays of consumer fireworks are located on
13 shelving, cases, counters, and similar display fixtures, a flame break shall be provided
14 so that the maximum distance between flame breaks does not exceed 16 ft (4.9 m)
15 where measured along the length of the display.

16 **1:65.10.3.15.3.2** The flame break shall extend as follows:

17
18 (1) from the display surface to not less than 6 in. (150 mm) above the full height of
19 the displayed merchandise or to the underside of the display surface directly above;

20 (2) for the full depth of the displayed merchandise.

21
22 **1:65.10.3.15.3.3** Where packaged fireworks merchandise is displayed on the same level
23 as individual unpackaged fireworks devices, the flame break required in 65.10.3.15.3.1
24 shall not be required where both of the following criteria are met:

25 (1) the length of the display level containing individual unpackaged fireworks devices

1 is interrupted by packaged fireworks merchandise, or open space, or any combination
2 thereof, having a continuous length of not less than 8 ft. (2.4 m).

3 (2) the distance between flame breaks does not exceed 32 ft. (9.8m).

4
5 **1:65.10.3.15.3.4** Where a merchandise display level contains packaged fireworks
6 Merchandise, such merchandise shall be permitted to be displayed in a continuous
7 length on the same level, where the display does not exceed 32 ft. (9.8 m) without the
8 flame break Required in 65.10.3.15.3.1.

9 **1:65.10.3.15.3.5** An aisle having a minimum width of 48 in. (1.2 m) shall be permitted to
10 substitute for the flame break required in 65.10.3.15.3.1.

11 **1:65.10.3.15.3.6** Where displays of merchandise face aisles that run along both long
12 sides of the display fixtures or display surface, a flame break shall be installed
13 lengthwise between the abutting display fixtures or along the approximate longitudinal
14 centerline of the display surface so as to separate the merchandise facing one of the
15 aisles from the merchandise that abuts it facing the other aisle.

16 **1:65.10.3.15.3.7** Freestanding display racks, pallets, tables, or bins containing packaged
17 fireworks merchandise shall be permitted without flame breaks, provided the dimensions
18 of the area occupied by the fireworks merchandise do not exceed 4 ft. (1.2m) in width, 8
19 ft. (2.4m) in length, and 6 ft. (1.8 m) in height, and the displayed fireworks merchandise is
20 separated from other displays of merchandise by aisles having a minimum clear width of
21 4ft (1.2m).

22 **1:65.10.3.15.3.8** Where both of the facing vertical surfaces of the abutting display
23 fixtures are constructed of perforated hardboard panels not less than 1 / 4 in. (6 mm) thick
24 that are separated from each other by an open space not less than 1 1/2 in. (38 mm) wide,

1 a flame break specified in 65.10.3.15.3.6 shall not be required

2 **1:65.10.3.15.4 Shelving**

3

4 **1:65.10.3.15.4.1** Shelving or other surfaces used to support fireworks display

5 merchandise shall be permitted to have not more than 10 percent of the area of the shelf

6 contain holes or other openings.

7 **1:65.10.3.15.4.2** The 10 percent limitation on the area of holes or other openings in the

8 shelf used to support fireworks display merchandise shall not be applicable under the

9 following conditions:

10 (1). Where both of the facing vertical surfaces of the abutting display fixtures are

11 constructed of perforated hardboard panels not less than 1/4 in. (6 mm) thick and

12 separated from each other by an open space not less than 1 1/2 in. (38 mm) wide;

13 (2) where such merchandise is suspended from or fastened to the shelf or surface or is

14 displayed as packaged merchandise on the surface or in bins.

15 **1:65.10.3.15.4.3** Flame breaks and solid display surfaces shall not be required for

16 packaged fireworks merchandise displayed in bins or display racks or on pallets or

17 tables located at the end of a row of display fixtures where the following conditions are

18 met: (1) such end displays are separated from the ends of the display fixtures by an open

19 space not less than 3 in. (76 mm) wide;

20 (2) the fireworks merchandise occupies an area having dimensions not greater than the

21 Width of the end of the row of display fixtures and a depth not greater than 36 in. (910

22 mm);

23 (3) the minimum required widths of the adjacent aisles are maintained, but in no case

24 is the aisle width less than 48 in. (1.2 m).

1 **1:65.10.3.15.5 Covered Fuses**

2

3 **1:65.10.3.15.5.1** Only consumer fireworks meeting the criteria for covered fuses as
4 described in 65.10.3.15.5.2 shall be permitted where the retail sales of consumer fireworks
5 are conducted.

6 **1:65.10.3.15.5.2** A consumer fireworks device shall be considered as having a covered
7 fuse if the fireworks device is contained within a packaged arrangement, container, or
8 wrapper that is arranged and configured such that the fuse of the fireworks device cannot
9 be touched directly by a person handling the fireworks without the person having to
10 puncture or tear the packaging or wrapper, unseal or break open a package or container,
11 or otherwise damage or destroy the packaging material, wrapping, or container within
12 which the fireworks are contained.

13 **1:65.10.3.15.6 Reserved**

14

15 **1:65.10.3.15.7 Horizontal Barriers.** Combustible materials and merchandise shall not be
16 stored directly above the consumer fireworks in retail sales displays unless a horizontal barrier
17 constructed of plywood at least 9.5 mm (3/8 in.) thick is installed directly above the consumer
18 fireworks as follows:

19 (1) barriers shall extend from rack face to rack face and shall be tight to the vertical barriers;

20

21 (2) barriers shall be supported by horizontal rack members;

22

23 (3) transverse vertical barriers constructed of plywood at least 9.5 mm (3/8 in.) Thick shall be
24 provided at the rack uprights extending from rack face to rack face;

25 (4) for double-row racks, longitudinal vertical barriers constructed of plywood at least 9.5
26 mm (3/8 in.) thick shall be provided at the rack uprights in the center of the rack.

27 **1:65.10.3.16 Electrical Equipment.** All electrical wiring shall be in accordance with

1 NFPA 70.

2 **1:65.10.3.17 Heating Equipment**

3
4 **1:65.10.3.17.1** Heating units shall be listed and shall be used in accordance with their listing.

5 **1:65.10.3.17.2** Temporary heating sources shall have tip-over and temperature "overheat
6 protection."

7 **1:65.10.3.17.3** Open-flame and exposed-element heating devices shall be prohibited.

8
9 **1:65.10.3.18 Portable Generators.**

10
11 **1:65.10.3.18.1** Class II and Class III combustible liquid generator fuel shall be limited to not
12 more than 5 gal (18.9L).

13 **1:65.10.3.18.2** Portable generators shall be permitted to use Class I flammable liquids as fuel,
14 provided the quantity of such fuel is limited to 2 gal (7.61).

15 **1:65.10.3.19 Operations.**

16
17 **1:65.10.3.19.1 General.** Means of egress, including but not limited to aisles, doors, and exit
18 discharge, shall be clear at all times when the facility or the building is occupied.

19 **1:65.10.3.19.2 Distances from Entrances and Exits.**

20
21 **1:65.10.3.19.2.1** No consumer fireworks shall be displayed for sale or stored within 5 ft. (1.5
22 m) of any public entrance in an enclosed building or structure.

23 **1:65.10.3.19.2.2** No consumer fireworks shall be displayed for sale or stored within 2 ft. (0.6
24 m) of any exit or private entrance in an enclosed building or structure.

25 **1:65.10.3.19.3 Security.**

26
27 **1:65.10.3.19.3.1** CFRS facilities and stores shall be secured when unoccupied and not open
28 for business, unless fireworks are not kept in the facility during such times.

29 **1:65.10.3.19.3.2** The fireworks displayed or stored in a CFRS facility or store shall be

1 allowed to be removed and transferred to a temporary storage structure or location.

2 **1:65.10.3.19.4** Fireworks shall not be ignited, discharged, or otherwise used within 300ft
3 (91.5m) of a CFRS facility or store.

4 **1:65.10.3.20 Display and Handling.** Not less than 50 percent of the available floor area
5 within the retail sales area shall be open space that is unoccupied by retail displays and used
6 only for aisles and cross-aisles.

7 **1:65.10.3.21 Housekeeping.**

8

9 **1:65.10.3.21.1** CFRS areas and storage rooms shall be kept free of accumulations of debris
10 and rubbish.

11 **1:65.10.3.21.2** Any loose pyrotechnic composition shall be removed immediately.

12

13 **1:65.10.3.21.3** Vacuum cleaners or other mechanical cleaning devices shall not be used.

14

15 **1:65.10.3.21.4** Brooms, brushes, and dustpans used to sweep up any loose powder or dust
16 shall be made of non-sparking materials.

17 **1:65.10.3.21.5** Consumer fireworks devices that are damaged shall be removed and not
18 offered for sale.

19 **1:65.10.3.21.6** Damaged consumer fireworks shall be permitted to be returned to the dealer or
20 shall be disposed of according to the manufacturer's instructions.

21 **1:65.10.3.22 Training.** All personnel handling consumer fireworks shall receive safety
22 training related to the performance of their duties.

23 **1:65.10.3.23 Under the Influence.** Any person selling consumer fireworks shall not
24 knowingly sell consumer fireworks to any person who is obviously under the influence of
25 alcohol or drugs.

26 **1:65.10.3.24 Records.**

27

1 **1:65.10.3.24.1** Records shall be maintained on available inventory on the premise.

2
3 **1:65.10.3.24.2** Records shall be made available to the AHJ upon request.

4
5 **1:65.10.4 Consumer Fireworks Retail Sales (CFRS) Facility Requirements.**

6
7 **1:65.10.4.1 Plan.** Where required, plans for CFRS facilities shall be submitted to the AHJ
8 with the permit application.

9 **1:65.10.4.2 Site Plan.** The site plan for tents shall show the location of the tent on the site and
10 indicate the minimum separation distances required by 1:65.10.4.7.

11 **1:65.10.4.3 Construction Materials.** The following construction materials requirements
12 shall apply to new permanent CFRS facilities in jurisdictions that have not adopted a local
13 building code:

14 (1) buildings having an area up to and including 8000 ft² (743 m²) shall be permitted to be
15 constructed of any approved construction materials;

16
17 (2) buildings having an area greater than 8000 ft² (743 m²) shall be constructed in
18 accordance with one of the following:

19 (a) buildings shall be constructed of noncombustible or limited-combustible materials;

20
21 (b) buildings with exterior walls having a fire resistance rating of not less than 2 hours shall
22 be permitted to have the roof decking and its supporting structure and interior partitions
23 constructed of combustible materials.

24 (3) roof coverings for any building shall have a minimum rating of class c.

25
26 **1:65.10.4.4 Multiple Tenant Buildings.**

27
28 **1:65.10.4.4.1** Where new CFRS facilities are located in a building containing other tenants, the
29 CFRS facility shall be separated from the other tenants by fire barriers having no openings and
30 a fire resistance rating of not less than 2 hours.

1 **1:65.10.4.4.2** Where the new CFRS facility is protected per Section 13.3 and NFPA 13, the
2 fire resistance rating of the fire barrier required by 1:65.10.4.4.1 shall be permitted to be not
3 l e s s than 1 hour.

4 **1:65.10.4.4.3** Any penetrations of the fire barrier shall be protected in accordance with NFPA
5 101.

6 **1:65.10.4.5 Fire Protection.**

7
8 **1:65.10.4.5.1 Automatic sprinkler system alarm.** Any water flow alarm device shall be
9 arranged to activate audible and visual alarms throughout the CFRS facility in accordance
10 with Section 13.7 and NFPA 72.

11 **1:65.10.4.5.2 Portable fire extinguishers.** Portable fire extinguishers for temporary CFRS
12 facilities shall be installed and located so that the maximum distance of travel required to
13 reach an extinguisher from any point does not exceed 35 ft. (10.6 m).

14
15 **1:65.10.4.5.3 Public notification.** In permanent CFRS facilities greater than 3000 ft² (278.6
16 m²) in area, a public address system or a means for manually activating audible and visible
17 alarm indicating devices located throughout the facility in accordance with Section 13.7 and
18 NFPA 72 shall be provided at a constantly attended location when the CFRS facility is
19 occupied.

20 **1:65.10.4.6 Site Requirements.**

21
22 **1:65.10.4.6.1 Clearance to Combustibles.** The area located within 30 ft. (9 m) of a CFRS
23 facility shall be kept free of accumulated dry grass, dry brush, and combustible debris.

24 **1:65.10.4.6.2 Parking.** No motor vehicle or trailer used for the storage of consumer fireworks
25 shall be parked within 10 ft. (3 m) of a CFRS facility, except when delivering, loading, or
26 unloading fireworks or other merchandise and materials used, stored, or displayed for sale in

1 the facility.

2 **1:65.10.4.6.3 Fireworks Discharge.** At least one sign that reads as follows, in letters at
3 least 4in: (102 mm) high on a contrasting background, shall be conspicuously posted on
4 the exterior of each side of the CFRS facility: "no fireworks discharge within 300 feet"

5 **1:65.10.4.7 Separation Distances.**

6 **1:65.10.4.7.1 Permanent Facilities.**

7

8 **1:65.10.4.7.1.1 New Facilities.** New permanent consumer fireworks retail sales facilities
9 shall be separated from adjacent permanent buildings and structures in accordance with
10 Table 1:65.10.4.7.1.1.

11 **Table 1: 65.10.4.7.1.1** Separation distances between new permanent buildings and
12 structures

Separation distances		Exterior wall fire resistance rating (hr.)	Exterior wall opening protection rating (hr.)
Ft.	M		
<10	<3.05	2	1.5
10 to <60	3.05 to <18.3	1	.75
60	18.3	0	0

14

15 **1:65.10.4.7.1.2 Existing Facilities.** Existing permanent CFRS facilities shall be separated
16 from adjacent permanent buildings and structures by not less than 10 ft. (3.05 m) or shall
17 be separated by a wall with a 1-hour fire resistance rating.

18 **1:65.10.4.7.2 Temporary Facilities.** Temporary CFRS facilities shall be located as
19 specified in table 65.10.4.7.2.

20 **Table 1:65.10.4.7.2** Temporary CFRS facilities – minimum separation distances

21

	Buildings		Combustibles ³		Tents		Vehicle Parking		Stands ⁰		Storage of Consumer Fireworks	
	ft.	m	ft.	m	ft.	m	ft.	m	ft.	m	ft.	m

Tents ⁰	20	6.1	20	6.1	20	6.1	10	3.05	20	6.1	20	6.1
Stands ⁰	20	6.1	10	3.05	20	6.1	10	3.05	5a	1.5a	20	6.1

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- A. The required clearances to combustibles shall also comply with 65.10.4.6.1.
 - B. Tents refers to temporary retail sales of consumer fireworks in tents, canopies, and membrane structures.
 - C. Stands refers to temporary CFRS stands.
 - D. Where stands are separated from each other by less than 20 ft (6.1 m), the aggregate area of such stands shall not exceed 800 ft² (74 m²).
- 1:65.10.4.8 Means of Egress.**
- 1:65.10.4.8.1 General.**
- 1:65.10.4.8.1.1** Means of egress in CFRS facilities shall comply with the applicable requirements of Chapter 14 and NFPA 101, as modified by 1:65.10.3.14 and 1:65.10.4.8.
- 1:65.10.4.8.1.2** Means of egress in tents and membrane structures used for retail sales of consumer fireworks shall also comply with NFPA 102, as modified by 1:65.10.3: 14 and 1:65.10.4.8.
- 1:65.10.4.8.2** The evacuation plan shall be posted in a conspicuous location that is accessible to the public as well as to persons employed or otherwise working in the CFRS facility.
- 1:65.10.4.8.3** Exit signs shall not be required to be illuminated in tents that are not open for business after dusk.
- 1:65.10.4.8.4** Emergency lighting shall not be required in tents that are not open for business after dusk.
- 1:65.10.4.8.5** Exit openings from tents shall have a clear opening width of not less than 44

1 in. (1100 mm).

2 **1:65.10.4.9 Source of Ignition.**

3

4 **1:65.10.4.9.1 Temporary Electrical Equipment.** Battery powered equipment, electrical
5 equipment, and electrical cords that are used in conjunction with a CFRS facility area
6 shall be listed and shall be used in accordance with their listing.

7 **1:65.10.4.9.1.1** Temporary wiring installed in a temporary structure, including tents and
8 canopies, shall comply with NFPA 70.

9 **1:65.10.4.9.1.2** Where temporary electrical conductors are placed on top of an outdoor
10 surface to connect the permanent power source to the temporary CFRS facility's
11 temporary electrical system, the conductors shall be provided with physical protection
12 against damage caused by pedestrian or vehicular traffic.

13 **1:65.10.4.9.2 Portable Generators.**

14

15 **1:65.10.4.9.2.1** Portable generators supplying power to CFRS facilities shall use only
16 Class II or Class III combustible liquid fuels.

17 **1:65.10.4.9.2.2** Portable generators shall be located not less than 20 ft. (6.1 m) from the
18 CFRS facility.

19 **1:65.10.4.9.2.3** Generator fuels shall be stored not less than 20 ft. (6.1 m) from the CFRS
20 facility.

21 **1:65.10.4.9.2.4** Where the generator fuel storage is located not less than 50 ft.
22 (15.2m) from the CFRS facility, the quantity of such fuel shall not be limited by

23 1:65.10.3.18.

24 **1:65.10.4.9.3 Cooking Equipment.**

25

26 **1:65.10.4.9.3.1** Cooking equipment of any type shall not be permitted within 20ft (6.1 m)

1 of tents, canopies, or membrane structures used for the storage or sale of consumer
2 Fireworks.

3 **1:65.10.4.9.3.2** Open flame cooking equipment of any type shall not be allowed within 50ft
4 (15.2m) of tents, canopies, or membrane structures used for the storage or sale of consumer
5 Fireworks.

6 **1:65.10.4.10. Quantity Limitations.** The floor area occupied by the retail displays of
7 consumer fireworks in permanent CFRS facilities shall not exceed 40 percent of the
8 available floor area within the retail sales area.

9 **1:65.10.4.11 Flame Breaks.** In CFRS facilities the longitudinal flame break required in
10 1:65.10.3.15.3.6 shall not be required where the display fixture or surface is adjacent to an
11 aisle that is not used for public egress.

12 **1:65.10.5 Stores.**

13

14 **1:65.10.5.1 General.**

15

16 **1:65.10.5.1.1** For the purpose of this Chapter, stores in which retail sales of consumer
17 Fireworks are conducted shall not be considered CFRS facilities as defined in 3.3.72
18 where both of the following conditions exist:

19 (1)The area of the retail sales floor occupied by the retail displays of consumer
20 fireworks Does not exceed 25 percent of the area of the retail sales floor in the building
21 or

22 600 ft² (55.5 m²), whichever is less;

23

24 (2) The consumer fireworks are displayed and sold in a manner approved by the AHJ
25 and Comply with the applicable provisions of this code, federal and state law, and local
26 Ordinances.

1 **1:65.10.5.1.2** Consumer fireworks displayed for sale in stores shall comply with the
2 Following:

- 3 (1) Such fireworks shall be under the visual supervision of a store employee or
4 other Responsible party while the store is open to the public;
- 5 (2) Such fireworks shall be packaged fireworks merchandise;
- 6
7 (3) Such fireworks shall be packaged and displayed for sale in a manner that will
8 limit travel distance of ejected pyrotechnical components if ignition of the
9 fireworks occurs;

10 **1:65.10.5.2 Egress.** Means of egress in stores shall comply with Chapter 14 and
11 NFPA 101, unless otherwise specified in 65.10.3.14.

12 **1:65.10.5.3 Storage Rooms.** Storage rooms containing consumer fireworks in a new
13 permanent store shall be protected with an automatic sprinkler system installed in accordance
14 with section 13.3 and NFPA 13 or separated from the retail sales area by a fire barrier having
15 a fire resistance rating of not less than 1 hour.

16 **1:65.10.5.3.1** Door and window openings in the fire barrier wall shall be protected by self-
17 closing fire doors or fixed fire windows having a fire protection rating of not less than 1 hour
18 And shall be installed in accordance with section 12.4 and NFPA 80.

19 **1:65.10.5.3.2** Any other openings or penetrations in the fire barrier wall shall be protected in
20 Accordance with NFPA 101.

21 **1:65.10.5.4 Alarm Notification.** In Class B stores, a public address system or a means for
22 manually activating audible and visible alarm indicating devices located throughout the
23 facility In accordance with section 13.7 and NFPA 72 shall be provided at a constantly
24 attended Location when the store is occupied.

1 **1:65.10.5.5** Flame breaks shall be allowed to be omitted in stores protected throughout with
2 an Automatic sprinkler system installed in accordance with section 13.3 and NFPA 13.

3 **1:65.10.6 Stands.**

4

5 **1:65.10.6.1 Site Plan.** The site plan for stands shall show the location of the stand on the site
6 and indicate the minimum separation distances required by 1:65.10.4.7.

7 **1:65.10.6.2 Temporary Stands.**

8

9 **1:65.10.6.2.1 Portable Fire Extinguisher.** Temporary CFRS stands of less than 200 ft² (18.6
10 m²) shall be required to have only one portable fire extinguisher.

11 **1:65.10.6.2.2 Fire Safety and Evacuation Plan.** An approved fire safety and evacuation plan
12 shall not be required for temporary CFRS stands.

13 **1:65.10.6.2.3 Means of Egress.**

14

15 **1:65.10.6.2.3.1** Retail sales areas within temporary CFRS stands shall have a minimum of two
16 exits.

17 **1:65.10.6.2.3.2** Exits provided for temporary fireworks retail sales stands shall be located such
18 That the maximum egress travel distance as measured from the most remote point to an exit
19 along the natural and unobstructed path of egress travel does not exceed 35 ft (10.6 m).

20 **1:65.10.6.2.3.3** Customers shall not be permitted inside a temporary CFRS stand unless it
21 complies with the means of egress requirements in 1:65.10.3.14.

22 **1:65.10.6.2.3.4** Exit signs shall not be required to be illuminated in stands that are not open for
23 Business after dusk, or in temporary CFRS stands where the interior is not accessible to the
24 Public.

25 **1:65.10.6.2.3.5** Emergency lighting shall not be required in stands that are not open for
26 business after dusk or for temporary CFRS stands where the interior is not accessible to the

1 public.

2 **1:65.10.6.3 Minimum Separation Distances.** Temporary CFRS stands shall be separated
3 from adjacent buildings and structures in accordance with table 1:65.10.4.7.2.2.

4 **1:65.10.6.4 Stands Not Open to the Public.**

5
6 **1:65.10.6.4.1 Minimum Clear Width of Aisles.** In temporary CFRS stands where the
7 interior is not accessible to the public, the minimum clear width of the aisle shall be
8 permitted to be not Less than 28 in. (710 mm).

9 **1:65.10.6.4.2 Egress Doors.**

10
11 **1:65.10.6.4 .2.1** Egress doors provided for temporary CFRS stands where the interior is not
12 accessible to the public shall be permitted to be not less than 28 in. (710 mm) in width.

13 **1:65.10.6.4.2.2** For temporary CFRS stands where the interior is not accessible to the public,
14 latching devices on doors shall be permitted without panic hardware.

15 **1:65.10.6.4.3 Storage.** In temporary CFRS stands where the interior is not accessible to the
16 public, the maximum height of sales displays shall be limited to 8 ft. (2.44 m).**1:65.10.6.4.4**

17 **Flame Breaks.** Temporary CFRS stands where the interior is not accessible to the public shall
18 not be required to comply with 1:65.10.3.15.3.

19 **1:65.10.6.4.5 Covered Fuses.**

20
21 **1:65.10.6.4.5.1** Only consumer fireworks meeting the criteria for covered fuses as described in
22 1:65.10.3.15.5.2 shall be permitted where the retail sales of consumer fireworks are conducted.

23 **1:65.10.6.4.6 Sales Display.** The following shall apply to the sales display of consumer
24 Fireworks in temporary CFRS stands that do not allow access to the interior of the stand by
25 the Public:

26 (1) Consumer fireworks shall be displayed in a manner that prevents the fireworks from

1 being handled by persons other than those operating, supervising, or working in the
2 temporary CFRS Stand.

3 (2) The handling requirements of 1:65.10.6.4.6(1) shall not apply to packaged
4 assortments, Boxes, or similarly packaged containers of one or more items, regardless of
5 type. H Amend section 74.1 reference to NFPA 400 to delete subsection 11.1.3.

6 **CHAPTER 66. FLAMMABLE AND COMBUSTIBLE LIQUIDS**

7

8 **1:66.6.2 Signs Required:** The Chief or designee may require any establishment storing or
9 handling flammable or combustible liquids to be plainly marked with signs at all entrances to
10 areas where flammable or combustible liquids are stored or used, and at any other point as
11 required. Such signs shall comply with the standards in NFPA 704. Degrees of hazard shall be
12 assigned in accordance with the standards in NFPA 30.

13 **CHAPTER 69. LPG AND LNG**

14

15 **1:69.2.1.4.2.1 Emergency Telephone Numbers:** Every container with an aggregate water
16 capacity of 100 pounds or more shall display a placard or other suitable permanent sign that
17 displays a 24 hour emergency telephone number that will enable the fire official to contact a
18 representative of the gas supplier at any time in the event of an emergency. Such sign must be
19 designed so as to be capable of being read at a distance of not less than 100 feet (minimum
20 lettering size 2-inch letters with 3/8-inch stroke).

21 **SECTION 6. AND BE IT FURTHER ENACTED,** that Sections 2.2.1, 3.3.62.3,
22 3.3.142.1, 3.3.190.12, 4.5.8, 4.6.12.1, 4.6.12.3, 4.7.1, 4.7.6, 4.8.2.4, 6.1.4.1, 7.2.1.5.12,
23 7.2.1.6.3.1, 7.2.1.7.1, 7.2.1.7.3, 7.5.4.1.5, 7.9.1.2, 7.10.1.8.1, 9.6.1.3, 9.6.2.6.1, 9.6.5.2.1,
24 9.7.1.1.1, 9.7.5, 9.11.1, 11.8.6.3, 11.8.3.1.1, 11.11.2.1, 12.2.4.1, 13.2.4.1, 13.3.5.1.1, 14.3.5.6,
25 14.7.2.3, 15.3.5.6, 15.7.2.3, 16.1.1.9, 16.2.11.1.1(4), 16.6.1.1.2, 16.6.1.4.1.1, 16.6.1.4.1.2,

1 16.6.1.7.1, 16.6.2.1.1, 16.6.2.2, 16.6.2.3, 16.6.2.4.5, 16.6.3.4.3.1, 16.7.5, 16.7.5.1, 17.1.1.8,
2 17.2.11.1.1(4), 17.6.1.1.2, 7.6.1.4.1.1, 17.6.1.4.1.2, 17.6.1.7.1, 17.6.2.1.1, 17.6.2.2, 17.6.2.3,
3 17.6.2.4.5, 17.6.3.4.4, 17.7.5, 17.7.5.1, 22.4.5.1.3, 22.4.5.1.4, 23.4.5.1.3, 23.4.5.1.4, 24.1.1.2,
4 24.2.2.3.3(5), 24.2.2.3.3(6), 24.2.5.1.4, 26.1.1.1, 30.3.4.1.1.1, 30.3.4.1.1.1.1, 31.3.4.1.1,
5 31.3.4.1.1.1, 32.2.2.3.1(5), 32.2.2.3.1(6), 33.1.1.7, 33:2.2.3.1(5), 33.2.2.3.1(6), 33.3.3.4.8.1,
6 36.4.4.7.3.2, 38.2.4.4(3)(a), 42.3.4.1.2, 42.3.4.1.2.1, 42.3.4.1.3, 42.8.2.2.3.5, 43.8.3.4.1.3 are
7 hereby added to the National Fire Protection Association 101 Life Safety Code, 2018 Edition,
8 to read as follows:

9 **101:2.2 NFPA 13** Standard for installation of sprinkler systems 2016 edition.

10 **NFPA 13D** Standard for installation of sprinkler systems in one and two family dwelling 2016
11 edition.

12 **NFPA 13R** Standard for installation of sprinkler systems in low-rise residential occupancies
13 2017 edition.

14 **101:2.2.1** Wherever **NFPA 5000** is referenced, other than for extracted text, substitute the
15 Baltimore County Building Code.

16 **101:2.2.2 NFPA Publications,**

17
18 **NFPA 1124** Manufacture, transportation, storage, and retail sales of fireworks and pyrotechnic
19 articles, 2017 edition.

20 **CHAPTER 3. DEFINITIONS**

21
22 **101:3.3.62.3 Bulkhead Door** means a type of door assembly covering an opening in the
23 ground providing direct access to a basement, the floor of which is not more than eight feet
24 below ground level. The door consists of a single rigid leaf, or two overlapping rigid leaves or
25 covers, which need to be pushed or lifted upwards in order to be opened. A person, after

1 opening the door, can then walk up a series of steps in order to escape to the outside.

2 **101:3.3.142.1 Day-Care Home** means a building or portion of a building in which not more
3 than 12 clients receive care, maintenance, and supervision by other than their relative(s) or
4 legal guardian(s) for less than 24 hours per day.

5 **101:3.3.190.4 Day-Care Occupancy** means an occupancy in which clients receive care,
6 maintenance, and supervision by other than their relatives or legal guardians for less than 24
7 hours per day.

8 **101:3.3.190.12 Residential Board and Care Occupancy.** An occupancy used for lodging
9 and boarding of six or more residents not related by blood or marriage to the owners or
10 operators, for the purpose of providing personal care services.

11 **101:3.3.200.1 Outsider(s):** a person not related by blood, marriage or adoption, or otherwise
12 defined by federal or state law as family for the purposes of occupancy limits.

13
14
15 **CHAPTER 4. GENERAL**

16
17 **101:4.5.8 Maintenance.** Whenever or wherever any device, equipment, system, condition,
18 arrangement, level of protection, or any other feature is required, such device, equipment,
19 system, condition, arrangement, level of protection, or other feature shall thereafter be
20 maintained, unless this code exempts such maintenance.

21
22 **101:4.6.12.1 Maintenance.** Whenever or wherever any device, equipment, system, condition,
23 arrangement, level of protection, fire-resistive construction, or any other feature is required,
24 such device, equipment, system, condition, arrangement, level of protection, fire resistive
25 construction, or other feature shall thereafter be continuously maintained in accordance with
26 applicable NFPA requirements, requirements developed as part of a performance-based design,
27 or as directed by the AHJ.

1 **101:4.6.12.3 Existing Life Safety Features** obvious to the public, if not required, shall be
2 either maintained or removed. The requirements of this code are not intended to provide the
3 basis for removal or abrogation of fire protection and safety systems and devices in existing
4 structures.

5 Removal shall require approval of AHJ.

6
7 **101:4.7.1 Fire Drills:** where required, emergency egress and relocation drills conforming to
8 the provisions of this code shall be conducted as specified by the provisions of Chapters 11
9 through 43, or by appropriate action of the authority having jurisdiction. Drills shall be
10 designed in cooperation with the local authorities.

11 **101:4.7.6:** a written record of all fire drills shall be maintained for two years and shall be
12 readily available for reference and inspection purposes.

13 **101:4.8.2.4 Emergency Action Plans** shall be maintained in a location approved by the AHJ.

14
15 **CHAPTER 6. CLASSIFICATION**

16
17 **101:6.1.4.1 Day-Care Occupancy** means an occupancy in which clients receive care,
18 maintenance, and supervision by other than their relatives or legal guardians for less than 24
19 hours per day.

20 **101:6.1.9.1 Residential Board and Care Occupancy.** An occupancy used for lodging and
21 boarding of six or more residents not related by blood or marriage to the owners or operators,
22 for the purpose of providing personal care services.

23 **CHAPTER 7. MEANS OF EGRESS**

24
25 **101:7.2.1.5.12 Locks, Latches and Alarm Devices** shall not be installed in connection with
26 any door assembly on which panic hardware or fire exit hardware is provided where such
27 devices prevent or are intended to prevent the free use of the leaf for purposes of egress, unless

1 otherwise provided in 7.2.1.6.

2 **101:7.2.1.6.3.1 Elevator Lobby Exit Access Door Assemblies Locking.** Where permitted by
3 the AHJ and Chapters 11 through 43, door assemblies separating the elevator lobby from the
4 exit access required by 7.4.1.6.1 shall be permitted to be electrically locked, provided that all
5 the requirements of 7.2.1.6.3 are met and the assembly is approved by the AHJ.

6 **101:7.2.1.7.1 Panic Hardware and Fire Exit Hardware.** Where a door assembly is equipped
7 with panic or fire exit hardware, such hardware shall meet all the following criteria:

8 (1) It shall consist of a cross bar or a push pad, with the width of the actuating portion of the
9 cross bar or push pad.

10 (2) It shall mount as follows:

11

12 (a) New installations shall be not less than 34 in. (865 mm), and not more than 48 in.

13 (1220mm), above the floor.

14 (b) Existing installations shall not be less than 30 in (760 mm), and not more than 48
15 in. (1220mm), above the floor.

16 (3) It shall be constructed so that a horizontal force not to exceed 15 lb. (66 n) actuates the
17 cross bar or push pad and latches.

18 **101:7.2.1.7.3 Panic Hardware and Fire Exit Hardware.** In other than detention and
19 correctional occupancies as otherwise provided in Chapter 22 and 23, shall not be equipped
20 with any locking device, set screw, or other arrangement that prevents the release of the latch
21 when pressure is applied to the releasing device.

22 **101:7.5.4.1.5 Accessible Means of Egress Requirements** shall not apply to open structures
23 or open-air parking structures or portions thereof.

24 **101:7.9.1.2** For the purposes of 7.9.1.1; exit access shall include, but not be limited to,

1 designated stairs, aisles, corridors, ramps, escalators, and passageways leading to an exit; exit
2 discharge shall include, but not be limited to, designated stairs, ramps, aisles, walkways, and
3 escalators leading to a public way.

4 **101:7.10.1.8.1 Color:** With the effective date of this code, any new or replacement exit signs
5 shall have green letters on a white background or other approved distinguishable background
6 color.

7 **CHAPTER 9. BUILDING SERVICES AND FIRE PROTECTION EQUIPMENT**

8 **Fire Alarm Systems**

9 **101:9.6.1.3** Fire alarm systems shall be installed, tested, and maintained in accordance with the
10 applicable requirements of NFPA 70, national electrical code, and NFPA 72, national fire
11 alarm and signaling code, unless it is an approved existing installation, which shall be
12 permitted to be continued in use.

13 **101:9.6.2.6.1** Section 9.6.2.6 does not permit the omission of manual fire alarm boxes in
14 accordance with other provisions of this subsection unless specifically permitted by Chapters
15 11 through 43.

16 **101:9.6.5.2.1 Manual Fire Alarm Initiation** shall not activate floor or zone dependent smoke
17 control systems.

18 **101:9.7.1.1.1 Drop-Out Ceilings** as referenced in NFPA 13, subsection 8.15.15, shall be
19 prohibited for new ceiling installations.

20 **101:9.11.1 Maintenance and Testing.** All automatic sprinklers and standpipe systems shall be
21 inspected, tested, and maintained in accordance with NFPA 25, standard for the inspection,
22 testing, and maintenance of water-based fire protection systems.

23 **CHAPTER 11. SPECIAL STRUCTURES AND HIGH-RISE BUILDINGS**

24

1 **101:11.8.3.1.1:** High rise buildings do not include a structure or building used exclusively
2 for open-air parking.

3 **101:11.8.6.3 Fire Safety Plan Location.** A complete copy of the fire safety plan shall be kept
4 and maintained at all times in a suitable information cabinet which shall be permanently
5 mounted adjacent to the high rise command center referenced in the Building Code of
6 Baltimore County, Maryland. The cabinets shall also be utilized to house other emergency
7 information and equipment, including: elevator keys, elevator hoist way access keys, keys to
8 fire protection equipment, other pertinent information, keys, and equipment the building owner
9 may wish to make accessible during an emergency situation.

10 **101:11.11 Tents**

11
12 **101:11.11.2.1** All tent fabric shall meet the **Flame Propagation** performance criteria
13 Contained in NFPA 701, standard methods of fire tests for flame propagation of textiles
14 and Films, or other approved testing standard approved by the state fire marshal.

15 **CHAPTER 12. NEW ASSEMBLY OCCUPANCIES**

16
17 **101:12.2.4.1: The Number of Means of Egress** shall be in accordance with section 7.4, other
18 than exits for fenced outdoor assembly occupancies with 12.2.4.4.

19 (1) Not less than two separate exits shall be provided on every story.

20 (2) Not less than two separate exits shall be accessible from every part of every story.

21 **CHAPTER 13. EXISTING ASSEMBLY OCCUPANCIES**

22
23 **101:13.2.4.1: The Number of Means of Egress** shall be in accordance with section
24 7.4, other than exits for fenced outdoor assembly occupancies with 12.2.4.4.

25 (1) Not less than two separate exits shall be provided on every story.

26
27 (2) Not less than two separate exits shall be accessible from every part of every story.

1 **101:13.3.5.1.1 Existing Assembly Occupancies** listed in section 13.3.5.1 of NFPA 101 may
2 be exempt from the sprinkler requirements of that section if there has not been a history of
3 significant life safety violations. Examples of significant life safety violations include a
4 history of severe overcrowding, failure to maintain exits, or other violations that pose an
5 imminent threat to life safety as determined by the Fire Chief or designee.

6 **CHAPTER 14. NEW EDUCATIONAL OCCUPANCIES**
7

8 **101:14.3.5.6 Extinguishers:** Portable fire extinguishers shall be provided in accordance with
9 section 9.7.4.1 in all new educational occupancies. Designated employees shall be instructed in
10 the use of portable fire extinguishers.

11 **101:14.7.2 Emergency Egress Drills**
12

13 **101:14.7.2.3** Fire emergency egress drills shall be conducted as follows:
14

15 (1) Not less than one emergency egress drill shall be conducted every month the facility is
16 in session, unless the following criteria are met:

17 (a) In climates where the weather is severe, the monthly fire emergency egress drills
18 shall be permitted to be deferred; and

19 (b) In educational occupancies which are:

20 (i) Fully protected by an automatic sprinkler system, the total number of annual fire
21 emergency egress drills shall be five, with a least two of the required drills conducted in
22 the first four months of the school year; or

23 (ii) Not fully protected by an automatic sprinkler system, the total number of annual fire
24 emergency egress drills shall be eight, with at least three of the required drills conducted
25 in the first four months of the school year.

26 (2) All occupants of the building shall participate in the fire emergency egress drill.
27

1 (3) One fire emergency egress drill, other than for educational occupancies that are open
2 on a year-round basis, shall be required within the first 30 days of operation.

3 **CHAPTER 15. EXISTING EDUCATIONAL OCCUPANCIES**
4

5 **101:15.3.5.6 Extinguishers:** Portable fire extinguishers shall be provided in accordance with
6 section 9.7.4.1 in all existing educational occupancies. Designated employees shall be
7 instructed in the use of portable fire extinguishers.

8 **101:15.7.2 Emergency Egress Drills**
9

10 **101:15.7.2.3** Fire emergency egress drills shall be conducted as follows:
11

12 (1) Not less than one emergency egress drill shall be conducted every month the facility is
13 in session, unless the following criteria are met:

14 A) In climates where the weather is severe, the monthly emergency egress drills shall
15 be permitted to be deferred; and

16 (b) In educational occupancies which are:
17

18 (i) Fully protected by an automatic sprinkler system, the total number of annual fire
19 emergency egress drills shall be five, with a least two of the required drills conducted in
20 the first four months of the school year; or

21 (ii) Not fully protected by an automatic sprinkler system, the total number of annual fire
22 emergency egress drills shall be eight, with at least three of the required drills conducted
23 in the first four months of the school year.

24 (2) All occupants of the building shall participate in the fire emergency egress drill.
25

26 (3) One fire emergency egress drill, other than for educational occupancies that are open on
27 a year-round basis, shall be required within the first 30 days of operation.

28 **CHAPTER 16. NEW DAY-CARE OCCUPANCIES**

1 **General Requirements**

2 **101:16.1.1.10 Before and After School Program Exemption:** Day-care centers shall not be
3 required to meet the provisions of this Chapter where providing day-care for school-age
4 children before and after school hours in a building which is in use as a public school or private
5 school.

6 They shall not be required to meet requirements beyond those relative to educational
7 occupancies.

8 **101:16.2.11.1.1(4) Windows for Rescue:** A minimum net clear opening of 5.0 square feet
9 shall be permitted for secondary means of escape at grade.

10 **New Day-Care Homes General**

11 **Requirements Application**

12 **101:16.6.1.1.2** NFPA 101 Section 16.6 establishes life safety requirements for day-care homes
13 in which not more than 12 clients receive care, maintenance, and supervision by other than
14 their Relative(s) or legal guardian(s) for less than 24 hours per day, generally within a dwelling
15 unit. (See also 16.6.1.4.)

16 **Sub Classification of Day-Care Homes**

17 **101:16.6.1.4.1.1 A Family Day-Care Home** is a day-care home in which eight or fewer
18 clients receive care, maintenance, and supervision by other than their relative(s) or legal
19 guardian(s) for less than 24 hours per day, generally within a dwelling unit. Requirements for
20 family day-care homes are based on a minimum staff-to-client ratio of one staff member for
21 up to eight clients, including the caretaker's own children under age six, with the number of
22 clients incapable of self-preservation not to exceed two.

23 **101:16.6.1.4.1.2 Group Day-Care Home.** A group day-care home is a day-care home in

1 which not less than nine, but not more than twelve clients receive care, maintenance, and
2 supervision by other than their relative(s) or legal guardian(s) for less than 24 hours per day,
3 generally within a dwelling unit. Requirements for group day-care homes are based on a
4 minimum staff-to-client ratio of two staff members for up to 12 clients, with the number of
5 clients incapable of self- preservation not to exceed three. This staff-to-client ratio shall be
6 permitted to be modified by the authority having jurisdiction where safeguards in addition to
7 those specified by NFPA 101 section 16.6 are provided.

8 **101:16.6.1.7.1 In Family Day-Care Homes**, all the following shall apply:

9
10 (1) The minimum staff-to-client ratio shall be not less than one staff for up to eight clients,
11 including the caretaker's own children under age six, incapable of self-preservation.

12 (2) There shall be not more than four clients incapable of self-preservation, including
13 the caretaker's own children, incapable of self-preservation.

14 (3) A staff-to-client ratio of at least one staff to every two clients incapable of self-
15 preservation shall be maintained at all times.

16 (4) The staff-to-client ratio shall be permitted to be modified by the AHJ where safeguards
17 in addition to those specified in section 16.6 are provided.

18 **Means of Escape**

19 **101:16.6.2.1.1 Bulkhead Doors:** Bulkhead doors shall not be permitted to serve as a primary
20 means of escape.

21 **101:16.6.2.2 Sliding Doors:** For family day-care homes, a sliding door used as a required
22 means of egress shall comply with the following conditions:

23 (1) the sliding door shall have not more than one, easily operated, locking device that does
24 not require special knowledge, effort, or tools to operate.

- 1 (2) There shall not be draperies, screens, or storm doors that could impede egress.
- 2 (3) The sill or track height shall not exceed ½ inch above the interior finish floor.
- 3 (4) The surface onto which exit is made shall be an all-weather surface such as deck,
4 patio, sidewalk, etc.
- 5 (5) The floor level outside the door may be one step lower than the inside, but not more than
6 8 inches lower.

7 (6) The sliding door shall open to a clear open width of at least 28 inches.

8
9 (7) Before day-care use, each day the sliding door shall be unlocked and tested to the full
10 required width to be sure it is operating properly, and the door shall be non-binding and
11 slide easily.

12 (8) During periods of snow or freezing rain, door tracks shall be cleared out and the door
13 opened periodically throughout the day in order to ensure proper operation.

14 **101:16.6.2.3 Locks:** For family day-care homes, dead-bolt locks shall be provided with
15 approved interior latches, or these locks shall be of a captured key design from which the key
16 cannot be removed from the interior side of the lock when the lock is in the locked position.
17 These locks shall be unlocked at all times when the home is occupied for the purpose of
18 family day-care.

19
20 **Exception:** A double-keyed dead-bolt lock may be used on the secondary means of escape if
21 the key is readily accessible and the lock is unlocked at all times the home is occupied for the
22 purpose of family day-care.

23 **101:16.6.2.4.5:** Where clients occupy a story below the level of exit discharge, that story shall
24 have not less than one means of escape complying with one of the following:

25 (1) Door leading directly to the outside with access to finish ground level.

1
2 (2) Door leading directly to an outside stair going to finished ground level.

3
4 (3) Bulkhead doors may not serve as a primary means of escape.

5
6 (4) Interior stair leading directly to the outside with access to finish ground level,
7 separated from other stories by a ½ hour fire barrier in accordance with section 8.3.

8 (5) Interior stair leading directly to the outside with access to finished ground level
9 separated from other stories by a barrier that has been previously approved for use in a
10 group daycare home.

11 **Detection, Alarm**

12
13 **101:16.6.3.4.3.1 Sealed Ten Year Lithium Battery Operated Smoke Detectors** rather than
14 house electric service-powered detectors required by section 16.6.3.4.3 may be accepted when,
15 in the opinion of the Fire Chief or designee, the facility has demonstrated testing, maintenance,
16 and detector replacement programs that ensure reliability of power to the detector.

17 **101:16.6.3.4.6.1 Sealed Ten Year Lithium Battery Operated Carbon Monoxide Detectors**
18 rather than single-station or multiple-station carbon monoxide detectors required by section
19 16.6.3.4.6 may be accepted when, in the opinion of the fire chief or designee, the facility has
20 demonstrated testing, maintenance, and detector replacement programs that ensure reliability of
21 power to the detector.

22 **Operating Features**

23
24 **101:16.7.5 Day-Care Staff:** Adequate adult staff shall be on duty, alert and in the facility at all
25 times where clients are present other than in day-care homes with no more than three clients for
26 overnight lodging.

27 **101:16.7.5.1 Emergency Flash Light:** At least one operable flash light shall be provided for
28 each staff member located to be accessible to the staff for use in the event of a power failure in

1 new group day-care homes and family day-care homes.

2 **CHAPTER 17. EXISTING DAY-CARE OCCUPANCIES**

3

4 **101:17.1.1.9 Before and After School Program Exemption:** Day care centers shall not be
5 required to meet the provisions of this Chapter where providing day-care for school-age children
6 before and after school hours in a building which is in use as a public school or private school.
7 They shall not be required to meet the requirements of this code for buildings beyond those
8 relative to educational occupancies.

9 **101:17.2.11.1.1(4) Windows for Rescue:** A minimum net clear opening of 5.0 ft² shall be
10 permitted for secondary means of escape at grade.

11 **101:17.6.1.1.2 NFPA 101 section 17.6** establishes life safety requirements for existing daycare
12 homes in which not more than 12 clients receive care, maintenance, and supervision by other
13 than their relative(s) or legal guardian(s) for less than 24 hours per day, generally within a
14 dwelling unit. An existing day-care home shall be permitted the option of meeting the
15 requirements of NFPA 101 section 16.6 in lieu of section 17.6. Any existing day-care home
16 that meets the requirements of NFPA 101 Chapter 16 shall be judged as meeting the
17 requirements of this Chapter.

18 **Sub Classification of Day-Care Homes**

19

20 **101:17.6.1.4.1.1 Family Day-Care Home.** A family day-care home is a day-care home in
21 which eight or fewer clients receive care, maintenance, and supervision by other than their
22 relative(s) or legal guardian(s) for less than 24 hours per day, generally within a dwelling unit.
23 Requirements for family day-care homes are based on a minimum staff-to-client ratio of one
24 staff member for up to eight clients, including the caretaker's own children under age six, with
25 the number of clients incapable of self-preservation not to exceed two.

1 **101:17.6.1.4.1.2 Group Day-Care Home.** A group day-care home is a day-care home in which
2 not less than nine, but not more than 12, clients receive care, maintenance, and supervision by
3 other than their relative(s) or legal guardian(s) for less than 24 hours per day, generally within a
4 dwelling unit. Requirements for group day-care homes are based on a minimum staff-to-client
5 ratio of two staff members for up to 12 clients, with the number of clients incapable of self-
6 preservation not to exceed three. This staff-to-client ratio shall be permitted to be modified by
7 the authority having jurisdiction where safeguards in addition to those specified by NFPA 101
8 section 17.6 are provided.

9 **101:17.6.1.7.1 In Family Day-Care Homes,** all of the following shall apply:

- 10
11 (1) The minimum staff-to-client ratio shall be not less than one staff member for up to
12 eight clients, including the caretaker's own children, incapable of self-preservation.
- 13 (2) There shall be not more than two clients incapable of self-preservation, including
14 the caretaker's own children, incapable of self-preservation.
- 15 (3) A staff-to-client ratio of at least one staff member to every two clients incapable of
16 self-preservation shall be maintained at all times.
- 17 (4) The staff-to-client ratio shall be permitted to be modified by the AHJ where safeguards
18 in addition to those specified in this section are provided.

19 **Means of Escape**

20
21 **101:17.6.2.1.1 Bulkhead Doors:** Bulkhead doors shall not be permitted to serve as a primary
22 means of escape.

23 **101:17.6.2.2 Sliding Doors:** For family day-care homes, a sliding door used as a required
24 means of egress shall comply with the following conditions:

- 25 (1) the sliding door shall have not more than one, easily operated, locking device that does

- 1 not require special knowledge, effort, or tools to operate.
- 2 (2) There shall not be draperies, screens, or storm doors that could impede egress.
- 3
- 4 (3) The sill or track height may not exceed ½ inch above the interior finish floor.
- 5
- 6 (4) The surface onto which exit is made shall be an all-weather surface such as deck, patio,
- 7 or sidewalk.
- 8 (5) The floor level outside the door may be one step lower than the inside, but not more than
- 9 8 inches lower.
- 10 (6) The sliding door shall open to a clear open width of at least 28 inches.
- 11
- 12 (7) Before day-care use, each day the sliding door shall be unlocked and tested to the full
- 13 required width to be sure it is operating properly, and the door shall be nonbinding and
- 14 slide easily.
- 15 (8) During periods of snow or freezing rain, door tracks shall be cleared out and the door
- 16 opened periodically throughout the day in order to ensure proper operation.

17 **101:17.6.2.3 Locks:** For family-day-care homes, dead-bolt locks shall be provided with

18 approved interior latches, or these locks shall be of a captured key design from which the key

19 cannot be removed from the interior side of the lock when the lock is in the locked position.

20 These locks shall be unlocked at all times when the home is occupied for the purpose of

21 family day-care.

22 **Exception:** A double-keyed dead-bolt lock may be used on the secondary means of escape if

23 the key is readily accessible and the lock is unlocked at all times the home is occupied for the

24 purpose of family day-care.

25 **101:17.6.2.4.5:** Where clients occupy a story below the level of exit discharge, that story shall

26 have not less than one means of escape complying with one of the following:

1 (1) Door leading directly to the outside with access to finish ground level.

2
3 (2) Door leading directly to an outside stair going to finished ground level.

4
5 (3) Bulkhead doors may not serve as a primary means of escape.

6
7 (4) Interior stair leading directly to the outside with access to finish ground level,

8 separated from other stories by a ½ hour fire barrier in accordance with section 8.3.

9 (5) Interior stair leading directly to the outside with access to finished ground level

10 separated from other stories by a barrier that has been previously approved for use in a

11 group day- care home.

12 **101:17.6.3.4.4: Detection, Alarm, and Communication Systems:** Approved sealed ten-year

13 lithium battery-powered smoke alarms, rather than house electrical service- powered smoke

14 alarms required by 17.6.3.4.4, shall be permitted where the facility has testing, maintenance and

15 replacement programs that ensure reliability of power to the smoke alarms.

16 **101:17.6.3.4.5.1 Sealed Ten Year Lithium Battery Operated Carbon Monoxide Detectors**

17 rather than single-station or multiple-station carbon monoxide detectors shall be required where

18 client sleeping occurs and one or both of the following conditions exist:

19 (1) fuel-fired equipment is present

20 (2) an enclosed parking structure is attached to the day-care home.

21 **Operating features**

22
23 **101:17.7.5 Day-Care Staff:** Adequate adult staff shall be on duty, alert, awake, and in the

24 facility at all times where clients are present other than in day-care homes with no more than

25 three clients for overnight lodging.

26 **101:17.7.5.1 Emergency Flash Light:** At least one operable flash light shall be provided for

27 each staff member located to be accessible to the staff for use in the event of a power failure in

1 existing group day-care homes and family day-care homes.

2 **CHAPTER 22. NEW DETENTION AND CORRECTIONAL OCCUPANCIES**

3
4 **101:22.4.5.1.3 Lockups** in occupancies, other than detention, correctional and health care
5 occupancies, where the holding area has capacity for not more than 50 detainees, and where no
6 individual is detained for 24 hours or more, shall comply with section 101: 22.4.5.1.4 of this
7 code shall only be permitted where the facility is under direct control and supervision of
8 federal, state, or local law enforcement agencies. Lockups in other occupancies shall be
9 prohibited unless the locking mechanism incorporates a dead-man switch or other device
10 approved by the Baltimore County Fire Marshal that releases the detainee automatically unless
11 constantly attended by staff.

12 **101:22.4.5.1.4 The Lockup** shall be permitted to comply with the requirements for the
13 predominant occupancy in which the lockup is placed, provided that all of the following
14 criteria are met:

15 (1) Doors and other physical restraints to free egress by detainees can be readily released
16 by staff within 30 seconds of the onset of a fire or similar emergency.

17 (2) Staff is in sufficient proximity to the lockup so as to be able to effect the 30 second
18 release required by section 101: 22.4.5.1.4(1) whenever detainees occupy the
19 lockup.

20 (3) Staff is authorized to effect the release required by section 101: 22.4.5.1.4(1).

21
22 (4) Staff is trained and practiced in effecting the release required by section
23 101: 22.4.5.1.4(1).

24 (5) Where the release required by section 101: 22.4.5.1.4(1) is effected by means of
25 remote release, detainees are not to be restrained from evacuating without the

1 assistance of others.

2 **CHAPTER 23. EXISTING DETENTION AND CORRECTIONAL OCCUPANCIES**

3
4 **101:23.4.5.1.3 Lockups** in occupancies, other than detention, correctional and health care
5 occupancies, where the holding area has capacity for not more than 50 detainees, and where no
6 individual is detained for 24 hours or more, shall comply with section 101: 23.4.5.1.4 of this
7 code and shall only be permitted where the facility is under direct control and supervision of
8 federal, state, or local law enforcement agencies. Lockups in other occupancies shall be
9 prohibited unless the locking mechanism incorporates a dead-man switch or other device
10 approved by the Baltimore County Fire Marshal that releases the detainee automatically unless
11 constantly attended by staff.

12 **101:23.4.5.1.4 The Lockup** shall be permitted to comply with the requirements for the
13 predominant occupancy in which the lockup is placed, provided that all of the following criteria
14 are met:

15 (1) Doors and other physical restraints to free egress by detainees can be readily released
16 by staff within 30 seconds of the onset of a fire or similar emergency.

17 (2) Staff is in sufficient proximity to the lockup so as to be able to effect the 30 second
18 release required by section 101: 23.4.5.1.4(1) whenever detainees occupy the
19 lockup.

20 (3) Staff is authorized to effect the release required by section 101:23.4.5.1.4(1).

21
22 (4) Staff is trained and practiced in effecting the release required by section
23 101: 23.4.5.1.4(1).

24 (5) Where the release required by section 101: 23.4.5.1.4(1) is effected by means of
25 remote release, detainees are not to be restrained from evacuating without the

1 assistance of others.

2 **CHAPTER 24. ONE-AND TWO-FAMILY DWELLINGS**

3
4 **101:24.1.1.2: Application:** The requirements of this chapter shall apply to one and two-family
5 dwellings, which shall include those buildings containing not more than two dwelling units in
6 which each dwelling unit is occupied by members of a single family with not more than five
7 outsiders accommodated in rented rooms.

8
9 **101:24.2.2.3.3(5) Secondary Means of Escape:** A minimum net clear opening of 5.0 square
10 feet shall be permitted for secondary means of escape at grade.

11 **101:24.2.2.3.3(6) Windows Designated as Rescue Windows** meeting the minimum net clear
12 opening requirement but having a distance of greater than 44” from the floor to the sill may
13 have a platform installed. All of the following shall be required:

14 (1) The platform shall be a minimum of 9 square feet.

15
16 (2) No axis shall be less than 2’6”.

17
18 (3) The platform shall be permanently fastened.

19
20 (4) Platforms greater than 8” will be required to have an approved step as defined

21 in 1:24.2.5.1.4.

22 (5) Platforms shall be constructed in a sturdy manner utilizing dimensional lumber for
23 the base and a minimum of 5/8” plywood for the surface.

24 **101:24.2.5.1.4 Riser and Treads:** Maximum riser heights of 8-1/4 inches (210mm) and
25 minimum tread depths of 9 inches (229mm) are permitted for stairs in new construction. A
26 nosing of not less than 3/4 inch (19mm) but not more than 1-1/4 inches (32mm) shall be
27 provided on stairways with solid risers where the tread depth is less than 11 inches (279m)

28 **CHAPTER 26. LODGING OR ROOMING HOUSES**

1
2 **101:26.1.1.1** The requirements of this Chapter shall apply to buildings that do not qualify as
3 one and two-family dwellings that provide sleeping accommodations for 16 or fewer persons
4 on either a transient or permanent basis, with or without meals, but without separate cooking
5 facilities for individual occupants, except as provided in section 101:24.1.1.1 of this Code.

6 **CHAPTER 30. NEW APARTMENT BUILDINGS**

7 **101:30.3.4.1.1:** Apartment buildings four or more stories in height or with 10 or more dwelling
8 units, other than those meeting the requirements of 30.3.4.1.2, shall be provided with a fire
9 alarm system in accordance with section 9.6, except as modified by 30.3.4.2 through 30.3.4.5.

10 **101:30.3.4.1.1.1:** The AHJ shall have the authority to accept enhancements to establish fire
11 alarm systems provided the components, installation, and all other aspects of the system are
12 UL certifiable.

13 **CHAPTER 31. EXISTING APARTMENT BUILDINGS**

14
15 **101:31.3.4.1.1:** Apartment buildings four or more stories in height or with 10 or more dwelling
16 units, other than those meeting the requirements of 30.3.4.1.2, shall be provided with a fire
17 alarm system in accordance with section 9.6, except as modified by 30.3.4.2 through 30.3.4.5.

18 **101:31.3.4.1.1.1:** The AHJ shall have the authority to accept enhancements to establish fire
19 alarm systems provided the components, installation, and all other aspects of the system are
20 UL certifiable.

21 **CHAPTER 32. NEW RESIDENTIAL BOARD AND CARE OCCUPANCIES**

22 **Means of Escape**

23 **101:32.2.2.3.1(5)** A minimum net clear opening of 5.0 square feet shall be permitted for
24 secondary means of escape at grade.

25 **101:32.2.2.3.1 (6) Windows Designated as Rescue Windows** meeting the minimum net clear

1 opening requirement but having a distance of greater than 44” from the floor to the sill may
2 have a platform installed. All of the following shall be required:

3 (1) The platform shall be a minimum of 9 square feet.

4

5 (2) No axis shall be less than 2’6”.

6

7 (3) The platform shall be permanently fastened.

8 (4) Platforms greater than 8” will be required to have an approved step as defined

9 in 101:24.2.5.1.4.

10 (5) Platforms shall be constructed in a sturdy manner utilizing dimensional lumber for

11 the base and a minimum of 5/8” plywood for the surface.

12

13 **CHAPTER 33. EXISTING RESIDENTIAL BOARD AND CARE OCCUPANCIES**

14

15 **101:33.1.1.7** A permanent living unit for four to eight individuals with disabilities, in addition

16 to live-in staff, that was legally occupied as a residential board and care facility before January

17 1, 2007 is only required to comply with the requirements for a one and two family dwelling if

18 specific information is presented at least annually to the AHJ or designee that the residents of

19 the permanent living unit have no unique and specific needs which warrant imposition of the

20 fire safety standards required by either Chapter 26, 32, or 33. A permanent living unit is one in

21 which an individual intends to reside for more than 30 days. Individuals with disabilities

22 means those persons who have a handicap as defined in the federal Fair Housing Act, as

23 amended, 42 U.S.C. Section 3601 *et seq.*

24 **Secondary Means of Escape**

25

26 **101:33.2.2.3.1(5)** a **Minimum Net Clear Opening** of 5.0 square feet shall be permitted for

27 secondary means of escape at grade.

28 **101:33.2.2.3.1(6)** **Windows Designated as Rescue Windows** meeting the minimum netclear

1 opening requirement but having a distance of greater than 44” from the floor to the sill may
2 have a platform installed. All of the following shall be required:

3 (1) The platform shall be a minimum of 9 square feet.

4 (2) No axis shall be less than 2’6”.

5 (3) The platform shall be permanently fastened.

6 (4) Platforms greater than 8” will be required to have an approved step as defined
7 in 24.2.5.1.4.

8 (5) Platforms shall be constructed in a sturdy manner utilizing dimensional lumber for
9 the base and a minimum of 5/8” plywood for the surface.

10 **101:33.3.3.4.8.1: Smoke Detection Systems** in all living areas, as defined in 3.3.21.5,

11 And all corridors shall be provided with smoke detectors that comply with NFPA 72, national
12 fire alarm and signal code, and are arranged to indicate an alarm that is audible in all sleeping
13 areas as modified by 33.3.3.4.8.3.

14 **CHAPTER 36 NEW MERCANTILE OCCUPANCIES**

15
16 **101:36.4.4.7.3.2: Occupant Notification** by visual means shall not be required in malls where
17 approved alternative visual means of occupant notification is provided. (See 9.6.3.5.7 and
18 9.6.3.5.8)

19 **CHAPTER 38 NEW BUSINESS OCCUPANCIES**

20
21 **101:38.2.4.4(3) (a): Number of Means of Egress:** The stair shall serve as an exit from no
22 other stories, with no other openings therein.

23 **CHAPTER 42 STORAGE OCCUPANCIES**

24 **101: Table 42.2.5**

Level of protection	Low Hazard Storage Occupancy	Ordinary Hazard Storage Occupancy Ft m	High Hazard Storage Occupancy
Common path of Travel			
Protected throughout	nl	100 30	Prohibited, except as
by an approved, supervised automatic sprinkler system in accordance with 9.7.1.1(1)			permitted by 7.11.4
Not protected throughout by an approved supervised automatic sprinkler system in accordance with 9.7.1.1(1)	nl	75 23	Prohibited, except as permitted by 7.11.4

nl: not limited

101:42.3.4.1.1: Storage occupancies limited to low hazard contents shall not be required to have a fire alarm system.

101:42.3.4.1.2: Storage occupancies less than 3 stories with ordinary and high hazard contents not exceeding an aggregate floor area of 100,000 square feet shall not be required to have a fire alarm system.

101:42.3.4.1.2.1 Storage facilities that are 3 or more stories in height shall be provided with a fire alarm system that provides occupant notification regardless of floor area.

101:42.3.4.1.3: Storage occupancies less than 3 stories, protected throughout by an approved automatic sprinkler system in accordance with section 9.7 with contents not exceeding an aggregate floor area of 100,000 shall not be required to have a fire alarm system.

101:42.8.2.2.3.5 subsection 7.2.2.5.1 of NFPA 101 shall not apply to open-air parking structures.

101:42.8.3.4.1 General. A fire alarm system shall be required in accordance with section 9.6 for parking structures, except as modified by 42.3.4.1.1, 42.3.4.1.2, 42.3.4.1.3.

1 **101:42.8.3.4.1.3** Parking structures protected throughout by an approved automatic sprinkler
2 system in accordance with section 9.7 shall not be required to have a fire alarm system.

3 **SECTION 7. AND BE IT FURTHER ENACTED**, that Sections 13:6.2.1.1,
4 13:8.15.15.1, and 13:22.4.4.9.1 are hereby added to NFPA 13, 13R and 13D the National Fire
5 Protection Association standard for the installation of sprinkler systems, 2016 Edition as part of
6 the “Fire Prevention Code of Baltimore County” to read as follows:

7 **13:5.3.2.2.1 Mercantile Sprinklers: Mercantile Spaces,**
8 **See Table 13.5.3.2.2.1 for Storage Sprinkler Criteria for Varying Storage Heights.**

Table 13.5.3.2.2.1			
Storage height	Design density	Design Area	Maximum Area / Sprinkler
15 ft. (or below)	0.25 gpm/sq. ft.	1,500 sq. ft.	120 sq. ft.
16 ft.	0.32 gpm/sq. ft.	2,000 sq. ft.	100 sq. ft.
17 ft.	0.39 gpm/sq. ft.	2,000 sq. ft.	100 sq. ft.
18 ft.	0.46 gpm/sq. ft.	2,000 sq. ft.	100 sq. ft.
19 ft.	0.53 gpm/sq. ft.	2,000 sq. ft.	100 sq. ft.
20 ft. (or above)	0.60 gpm/sq. ft.	2,000 sq. ft.	100 sq. ft.

9
10 **CHAPTER 6 WATER FLOW ALARM DEVICES**

11
12 **13:6.8.2.1.1** An alarm check valve or U.L. listed riser assembly shall be provided.

13
14 **CHAPTER 8 INSTALLATION**

15 **REQUIREMENTS Special Situations**

16 **13:8.15.15.1 Drop-Out Ceilings** shall not be used in conjunction with sprinklers. Existing
17 installations that were installed in accordance with a previously adopted fire code may

1 continue in use as long as the ceiling and sprinkler system are continuously maintained in
2 accordance with their listing.

3 **CHAPTER 22 PLANS AND CALCULATIONS**

4 **Hydraulic Calculation Procedures**

5 **13:22.4.4.9.1** When calculating flow from an orifice, the total pressure (pt) shall be used. Flow
6 from a sprinkler shall be calculated using the nominal k-factor. The velocity pressure method
7 shall not be used in hydraulic calculations.

8 **SECTION 8.** AND BE IT FURTHER ENACTED, that if any provision of this Act or
9 the application of this Act to any person or circumstance is held invalid for any reason in a
10 court of competent jurisdiction, the invalidity does not affect other provisions or any other
11 application of this act which can be given effect without the invalid provision or application,
12 and for the purpose the provisions of this Act are declared severable.

13 **SECTION 9.** AND BE IT FURTHER ENACTED, that this act, having been passed by
14 an affirmative vote of five members of the county council, shall take effect April 18, 2021.