



CO00041857

Approved: 8/3/11
Effective: 8/18/11

SNOHOMISH COUNTY COUNCIL
SNOHOMISH COUNTY, WASHINGTON

ORDINANCE NO. 11-025

RELATING TO THE REGULATION OF CONSTRUCTION; ADOPTING THE 2009 EDITION OF THE INTERNATIONAL FIRE CODE AUTOMATIC FIRE SPRINKLERS AS REVISED; AND AMENDING, ADDING AND REPEALING SECTIONS IN CHAPTER 30.52G SCC

WHEREAS, the merger of the International Conference of Building Officials with other code writing organizations led to the formation of the International Code Council, which led to the creation of a group of international codes that replaced the Uniform Building Codes in 2003; and

WHEREAS, the Washington State Legislature adopted the most current construction codes as the State Building Code pursuant to chapter 19.27 RCW; and

WHEREAS, the State Building Code Act adopts the International Building, Residential, and Mechanical Codes, as well as the Uniform Plumbing Code and other construction codes. The new codes and standards contain updated construction and performance standards, methods, technologies, and products; and

WHEREAS, the State Building Code became effective July 1, 2010; and

WHEREAS, the international and state building codes are updated comprehensively on a three-year cycle; and

WHEREAS, chapter 19.27 RCW mandates that the State Building Code be administered and enforced by counties and cities, and grants counties and cities limited authority to amend the code as it applies within their jurisdictions; and

WHEREAS, the Snohomish County Council and the Snohomish County Executive have identified regulation of development to ensure safe and quality construction as a high priority and have delegated the responsibility for administering the State Building Code to Snohomish County Planning and Development Services (PDS); and

WHEREAS, Snohomish County PDS endeavors to administer and enforce the State Building Code in accordance with chapter 19.27 RCW in order to provide for statewide consistency for the construction industry and the citizens within Snohomish County; and

WHEREAS, the new international codes contain updated construction and performance standards, methods, technology, and products to improve construction safety and provide greater flexibility to meet minimum standards; and

WHEREAS, on August 3, 2011, the Snohomish County Council held a public hearing after proper notice, heard public testimony related to the proposed code amendments, and considered the entire record; and

1
2 WHEREAS, immediately following the public hearings, the county council deliberated
3 on the proposed code amendments.
4

5 NOW, THEREFORE, BE IT ORDAINED:
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7 Section 1. The foregoing recitals are incorporated by this reference as though set
8 forth in full.
9

10 Section 2. The Snohomish County Council makes the following findings of fact:
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- 12 A. RCW 19.27.040 allows the governing body of each county and city to amend the
13 State Building Code as it applies within the jurisdiction of the county or city. The
14 minimum performance standards of the codes and the objectives enumerated in
15 RCW 19.27.020 shall not be diminished by any county amendments.
16
17 B. Amendments to SCC 30.52G.010 are necessary to delete 2006 and replace with
18 2009.
19
20 C. Amendments to SCC 30.52G.040 are necessary to modify the exceptions to
21 *maintain consistency with the 2009 IFC.*
22
23 D. Amendments to SCC 30.52G.060 are necessary to modify the regulations to
24 *maintain consistency with the 2009 IFC.*
25
26 E. A new section is added, SCC 30.52G.125, pertaining to Group B ambulatory health
27 care facilities which has been added to the 2009 IFC.
28
29 F. Amendments to SCC 30.52G.130 are necessary to 1) change the IFC and IBC
30 cross-reference from 903.2.2 to 903.2.3, 2) modify the provisions for Group E, and
31 3) modify the exemptions.
32
33 G. Amendments to SCC 30.52G.140 are necessary to change the IFC and IBC cross-
34 reference from 903.2.3 and 903.2.4.
35
36 H. Amendments to SCC 30.52G.150 are necessary to change the IFC and IBC cross-
37 reference from 903.2.3.1 to 903.2.4.1.
38
39 I. Amendments to SCC 30.52G.160 are necessary change the IFC and IBC cross-
40 reference from 903.2.4 to 903.2.5.
41
42 J. Amendments to SCC 30.52G.170 are necessary to change the IFC and IBC cross-
43 reference from 903.2.4.1 to 903.2.5.1.
44
45 K. Amendments to SCC 30.52G.180 are necessary to change the IFC and IBC cross-
46 reference from 903.2.4.2 to 903.2.5.2.
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48 L. Amendments to SCC 30.52G.190 are necessary to change the IFC and IBC cross-
49 reference from 903.2.4.3 to 903.2.5.3.
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- M. Amendments to SCC 30.52G.200 are necessary to change the IFC and IBC cross-reference from 903.2.5 to 903.2.6.
- N. Amendments to SCC 30.52G.210 are necessary to change the IFC and IBC cross-reference from 903.2.6 to 903.2.7 and add a new subsection 4 pertaining to Group M occupancies.
- O. Amendments to SCC 30.52G.220 are necessary to change the IFC and IBC cross-reference from 903.2.6.1 and 903.2.7.1.
- P. Amendments to SCC 30.52G.230 are necessary to change the IFC and IBC cross-reference from 903.2.7 to 903.2.8.
- Q. Amendments to SCC 30.52G.240 are necessary to change the IFC and IBC cross-reference from 903.2.8 to 903.2.9 and add a new condition for installation of automatic fire sprinklers for Group S-1 fire areas used for storage of commercial trucks and buses where the fire area exceeds 5,000 square feet.
- R. Amendments to SCC 30.52G.250 are necessary to 1) change the IFC and IBC cross-reference from 903.2.8.1 to 903.2.9.1, 2) change the section title 3) modify the existing regulations, 4) add a new subsection 4 and 5) re-number consistent with the IFC.
- S. Amendments to SCC 30.52G.260 are necessary to change the IFC and IBC cross-reference from 903.2.8.2 to 903.2.9.2.
- T. Amendments to SCC 30.52G.270 are necessary to change the IFC and IBC cross-reference from 903.2.9 to 903.2.10 and add additional regulations to be consistent with the 2009 IFC.
- U. Amendments to SCC 30.52G.280 are necessary to change the IFC and IBC cross-reference from 903.2.9.1 to 903.2.10.1.
- V. Amendments to SCC 30.52A.290 are necessary to change the IFC and IBC cross-reference from 903.2.10 to 903.2.11.
- W. Amendments to SCC 30.52G.300 are necessary to change the IFC and IBC cross-reference from 903.2.10.1 to 903.2.11.1 and add additional automatic sprinkler requirements for stories or basements without openings.
- X. Amendments to SCC 30.52G.310 are necessary to change the IFC and IBC cross-reference from 903.2.10.1.1 to 903.2.11.1.1.
- Y. Amendments to SCC 30.52G.320 are necessary to change the IFC and IBC cross-reference from 903.2.10.1.2 to 903.2.11.1.2.
- Z. Amendments to SCC 30.52G.330 are necessary to change the IFC and IBC cross-reference from 903.2.10.1.3 to 903.2.11.1.3.
- AA. Amendments to SCC 30.52G.340 are necessary to change change the IFC and IBC cross-reference from 903.2.10.2 to 903.2.11.2.

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BB. Amendments to SCC 30.52G.350 are necessary to change the IFC and IBC cross-reference from 903.2.10.3 to 903.2.11.3.

CC. Amendments to SCC 30.52G.360 are necessary to change the IFC and IBC cross-reference from 903.2.11 to 903.2.12.

DD. SCC 30.52G.370 is repealed as the regulation is already included in SCC 30.52G.380 and SCC 30.52G.390.

EE. Amendments to SCC 30.52G.380 are necessary to change the IFC and IBC cross-reference from 903.2.12.1 to 903.2.11.4.

FF. Amendments to SCC 30.52G.390 are necessary to change the IFC and IBC cross-reference from 903.2.12.2 to 903.2.11.5.

GG. Amendments to SCC 30.52G.400 are necessary to 1) change the IFC and IBC cross-reference from 903.2.13 to 903.2.11.6 in the section title, 2) delete a reference to table 30.52G.400(b) which does not exist, and 3) change the cross-reference in the last cell in the table from Section 903.2.13 to Table 903.2.11.6

HH. Amendments to SCC 30.52G.430 are necessary to add a subsection 5 consistent with the IFC.

II. Amendments to SCC 30.52G.440 are necessary to modify the regulation to be consistent with the IFC.

JJ. Amendments to SCC 30.52G.450 are necessary to modify the regulation to include Appendix R of the IRC.

KK. Amendments to SCC 30.52G.520 are necessary to modify the section title and modify the regulations to be consistent with the IFC.

LL. Amendments to SCC 30.52G.530 are necessary to change the section title from Signals to Monitoring and modify the regulations to be consistent with the IFC.

MM. A new section is added, SCC 30.52G.575, pertaining to existing buildings which has been added to the 2009 IFC.

NN. Amendments to SCC 30.52G.580 are necessary to modify the regulations to add a reference to Chapter 46 and delete language related to vaults to be consistent with the 2009 IFC.

OO. A new section is added, SCC 30.52G.585, pertaining to Group I-2 which has been added to the 2009 IFC.

Section 3. The Snohomish County Council makes the following conclusions:

A. The council concludes that this ordinance adopting the 2009 Edition of the IFC adopted by the International Code Council as amended by the State of

1 Washington on November 12, 2009, together with local amendments permitted
2 under RCW 19.27.060, is in the best interest of Snohomish County.

- 3
4 B. The council concludes that the ordinance is consistent with the State Building
5 Code Act adopted in chapter 19.27 RCW that became effective July 1, 2010.
6
7 C. The council concludes that the ordinance promotes the health, safety and
8 welfare of the occupants or users of buildings and structures and the general
9 public by providing building codes that require minimum performance standards
10 and requirements for construction and construction materials, consistent with
11 nationally accepted standards of engineering, fire and life safety. The council
12 also concludes that the IRC and associated amendments allow the use of
13 modern technical methods, devices and improvements and provide the
14 standards and specifications for making buildings and facilities accessible to
15 and usable by physically disabled persons.
16
17 D. The council concludes that adoption of the proposed amendments to the State
18 Building Code will not result in less restrictive performance standards or
19 objectives than those in the State Building Code.
20
21 E. The council concludes that this ordinance is required to implement the State
22 Building Code Act, not the Growth Management Act, and therefore, this
23 ordinance does not adopt development regulations under SCC 30.10.080.
24 Pursuant to SCC 30.73.040(2)(c), planning commission review is not required.
25
26 F. The council concludes that environmental review under the State
27 Environmental Policy Act is not required pursuant to WAC 197-11-800(20).
28

29 Section 4. Snohomish County Code Section 30.52G.010, adopted by Amended
30 Ordinance No. 07-088 on September 5, 2007, is amended to read:

31
32 **30.52G.010 Automatic sprinkler provisions - adopted.**

33
34 The automatic sprinkler provisions of ~~((section))~~ Section 903 of the ~~((2006))~~ 2009 edition of the
35 International Building Code (IBC) and ~~((section))~~ Section 903 of the ~~((2006))~~ 2009 edition of
36 the International Fire Code (IFC), as adopted and amended by the Washington State Building
37 Code Council and included in chapter 19.27 RCW, are adopted to the extent that they are
38 included in and amended by this chapter.
39

40 Section 5. Snohomish County Code Section 30.52G.040, adopted by Amended
41 Ordinance No. 07-088 on September 5, 2007, is amended to read:

42
43 **30.52G.040 Where required (IFC and IBC 903.2).**

44
45 Approved automatic sprinkler systems in new buildings and structures shall be provided in the
46 locations described in this chapter. For the purposes of this chapter, fire walls shall not define
47 separate buildings.
48

49 Exception:
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1 Spaces or areas in telecommunications buildings used exclusively for telecommunications
2 equipment, associated electrical power distribution equipment, batteries and standby engines,
3 provided those spaces or areas are equipped throughout with an automatic ~~((fire alarm))~~
4 smoke detection system in accordance with Section 907.2 of the IFC and are separated from
5 the remainder of the building by not less than 1-hour fire barriers ~~((consisting of not less than~~
6 ~~1-hour fire-resistance-rated walls and 2-hour fire-resistance-rated floor/ceiling assemblies))~~
7 constructed in accordance with Section 707 of the IBC or not less than 2-hour horizontal
8 assemblies constructed in accordance with Section 712 of the IBC, or both.
9

10 Section 6. Snohomish County Code Section 30.52G.060, adopted by Amended
11 Ordinance No. 07-088 on September 5, 2007, is amended to read:

12
13 **30.52G.060 Group A (IFC and IBC 903.2.1).**
14

15 An automatic sprinkler system shall be provided throughout buildings and portions thereof
16 used as Group A occupancies as provided in SCC 30.52G.060 through SCC 30.52G.110
17 ~~((SCC))~~. For Group A-1, A-2, A-3 and A-4 occupancies, the automatic sprinkler system shall
18 be provided throughout the floor area where the Group A-1, A-2, A-3 or A-4 occupancy is
19 located, and in all floors between the Group A occupancy ~~((and))~~ to, and including, the level of
20 exit discharge serving the Group A occupancy. For Group A-5 occupancies, the automatic
21 sprinkler system shall be provided in the spaces indicated in SCC 30.52G.110.
22

23 Section 7. A new section is added to chapter 30.53A of the Snohomish County Code
24 to read:

25
26 **30.52G.125 Group B ambulatory health care facilities (IFC and IBC 903.2.2).**
27

28 An automatic sprinkler system shall be installed throughout all fire areas containing a Group B
29 ambulatory health care facility occupancy when either of the following conditions exist at any
30 time:

- 31
32 1. Four or more care recipients are incapable of self-preservation.
33 2. One or more care recipients who are incapable of self-preservation are located at other
34 than the level of exit discharge serving such an occupancy.
35

36 Section 8. Snohomish County Code Section 30.52G.130, adopted by Amended
37 Ordinance No. 07-088 on September 5, 2007, is amended to read:

38
39 **30.52G.130 Group E ~~((IFC and IBC 903.2.2))~~ (IFC and IBC 903.2.3).**
40

41 An automatic sprinkler system shall be provided for ~~((all))~~ Group E occupancies.

42
43 Exception~~((s))~~:

44 (1) Portable school classrooms, provided aggregate area of any cluster or portion of a
45 cluster or portable classrooms does not exceed 5,000 square feet (465 m²)~~((-))~~; and
46 ~~((Clusters))~~ clusters of portable classrooms shall be separated as required in ~~((chapter 5 of))~~
47 the IBC.

48 (2) Group E Occupancies with an occupant load of 50 or less, calculated in accordance with
49 Table 1004.1.1.
50

1 Section 9. Snohomish County Code Section 30.52G.140, adopted by Amended
2 Ordinance No. 07-088 on September 5, 2007, is amended to read:

3
4 **30.52G.140 Group F-1 (~~((IFC and IBC 903.2.3))) (IFC and IBC 903.2.4).~~**

5
6 An automatic sprinkler system shall be provided throughout all buildings containing a Group F-
7 1 occupancy where one of the following conditions exists:

- 8 (1) Where a Group F-1 fire area exceeds 10,000 square feet (929 m2).
9 (2) Where a Group F-1 fire area is located more than three stories above grade plane.
10 (3) Where the combined area of all Group F-1 fire areas on all floors, including any
11 mezzanines, exceeds 20,000 square feet (1,858 m2).

12
13 Section 10. Snohomish County Code Section 30.52G.150, adopted by Amended
14 Ordinance No. 07-084 on September 5, 2007, is amended to read:

15
16 **30.52G.150 Woodworking operations (~~((IFC and IBC 903.2.3.1))) (IFC and IBC 903.2.4.1).~~**

17
18 An automatic sprinkler system shall be provided throughout all Group F-1 occupancy fire areas
19 that contain woodworking operations in excess of 2,500 square feet (232 m2) in areas which
20 generate finely divided combustible waste or use finely divided combustible materials.

21
22 Section 11. Snohomish County Code Section 30.52G.160, adopted by Amended
23 Ordinance No. 07-088 on September 5, 2007, is amended to read:

24
25 **30.52G.160 Group H (~~((IFC and IBC 903.2.4))) (IFC and IBC 903.2.5).~~**

26
27 Automatic sprinkler systems shall be provided in high-hazard occupancies as required in SCC
28 30.52G.170 through 30.52G.190.

29
30 Section 12. Snohomish County Code Section 30.52G.170, adopted by Amended
31 Ordinance No. 07-088 on September 5, 2007, is amended to read:

32
33 **30.52G.170 General Group H (~~((IFC and IBC 903.2.4.1))) (IFC and IBC 903.2.5.1).~~**

34
35 An automatic sprinkler system shall be installed in all Group H occupancies.

36
37 Section 13. Snohomish County Code Section 30.52G.180, adopted by Amended
38 Ordinance No. 07-088 on September 5, 2007, is amended to read:

39
40 **30.52G.180 Group H-5 occupancies (~~((IFC and IBC 903.2.4.2))) (IFC and IBC 903.2.5.2).~~**

41
42 An automatic sprinkler system shall be installed in all Group H-5 occupancies. The design of
43 the sprinkler system shall not be less than that required by the building code for the occupancy
44 hazard classifications in accordance with Table 30.52G.180. Where the design area of the
45 sprinkler system consists of a corridor protected by one row of sprinklers, the maximum
46 number of sprinklers required to be calculated is 13.

47
48 **TABLE 30.52G.180**

Location	Occupancy Hazard Classification
Fabrication areas	Ordinary Hazard Group 2
Service corridors	Ordinary Hazard Group 2

Storage rooms without dispensing	Ordinary Hazard Group 2
Storage rooms with dispensing	Extra Hazard Group 2
Corridors	Ordinary Hazard Group 2

Section 14. Snohomish County Code Section 30.52G.190, adopted by Amended Ordinance No. 07-088 on September 5, 2007, is amended to read:

30.52G.190 Group H- pyroxylin plastics (~~((IFC and IBC 903.2.4.3))~~) (IFC and IBC 903.2.5.3).

An automatic sprinkler system shall be provided in all Group H occupancy buildings, or portions thereof, where cellulose nitrate film or pyroxylin plastics are manufactured, stored or handled in quantities exceeding 100 pounds (45 kg).

Section 15. Snohomish County Code Section 30.52G.200, adopted by Amended Ordinance No. 07-088 on September 5, 2007, is amended to read:

30.52G.200 Group I (~~((IFC and IBC 903.2.5))~~) (IFC and IBC 903.2.6).

An automatic sprinkler system shall be provided throughout buildings with a Group I fire area.

Exception:

An automatic sprinkler system installed in accordance with SCC 30.52G.440 or SCC 30.52G.450 shall be allowed in Group I-1 facilities.

Section 16. Snohomish County Code Section 30.52G.210, adopted by Amended Ordinance No. 07-088 on September 5, 2007, is amended to read:

30.52G.210 Groups B and M (~~((IFC and IBC 903.2.6))~~) (IFC and IBC 903.2.7).

An automatic sprinkler system shall be provided throughout buildings containing a Group B or M occupancy where one of the following conditions exists:

(1) Where a Group B or M fire area exceeds 10,000 square feet (929 m²).

(2) Where a Group B or M fire area is located more than three stories above grade (~~(Plane))~~ plane.

(3) Where the combined area of all Group B or M fire areas on all floors, including any mezzanines, exceeds 20,000 square feet (1,858 m²).

(4) Where a Group M occupancy is used for the display and sale of upholstered furniture or mattresses exceeds 5000 square feet (464 m²).

Section 17. Snohomish County Code Section 30.52G.220, adopted by Amended Ordinance No. 07-088 on September 5, 2007, is amended to read:

30.52G.220 High-piled storage (~~((IFC and IBC 903.2.6.1))~~) (IFC and IBC 903.2.7.1).

An automatic sprinkler system shall be provided in accordance with the IFC in all buildings of Group M where storage of merchandise is in high-piled or rack storage arrays.

Section 18. Snohomish County Code Section 30.52G.230, adopted by Amended Ordinance No. 07-088 on September 5, 2007, is amended to read:

1 **30.52G.230 Group R (~~((IFC and IBC 903.2.7))~~) (IFC and IBC 903.2.8).**

2
3 An automatic sprinkler system installed in accordance with SCC 30.52G.410 shall be provided
4 throughout all buildings with a Group R fire area.

5
6 Exception: Group R-1 if all of the following conditions are met:

- 7 (1) The Group R fire area is no more than 500 square feet and is used for recreational use
8 only;
9 (2) The Group R fire area is only one story;
10 (3) The Group R fire area does not include a basement;
11 (4) The Group R fire area is no closer than 30 feet from another structure;
12 (5) Cooking is not allowed within the Group R fire area;
13 (6) The Group R fire area has an occupant load of no more than 8; and
14 (7) A hand held (portable) fire extinguisher is in every Group R fire area.

15
16 Section 19. Snohomish County Code Section 30.52G.240, adopted by Amended
17 Ordinance No. 07-088 on September 5, 2007, is amended to read:

18
19 **30.52G.240 Group S-1 (~~((IFC and IBC 903.2.8))~~) (IFC and IBC 903.2.9).**

20
21 An automatic sprinkler system shall be provided throughout all buildings containing a Group S-
22 1 occupancy where one of the following conditions exists:

- 23 (1) Group S-1 fire area exceeds 10,000 square feet (929 m²) ~~((-))~~ ;
24 (2) A Group S-1 fire area is located more than three stories above grade plane ~~((-))~~ ;
25 (3) The combined area of all Group S-1 fire areas on all floors, including any mezzanines,
26 exceeds 20,000 square feet (1,858 m²) ~~((-))~~ ;or
27 (4) A Group S-1 fire area used for the storage of commercial trucks or buses where the fire
28 area exceeds 5,000 square feet (464 m²).

29
30 Section 20. Snohomish County Code Section 30.52G.250, adopted by Amended
31 Ordinance No. 07-088 on September 5, 2007, is amended to read:

32
33 **30.52G.250 (~~(Group S-1 repair)~~) Repair garages (~~((IFC and IBC 903.2.8.4))~~) (IFC and IBC**
34 **903.2.9.1).**

35
36 An automatic sprinkler system shall be provided throughout ~~((the following Group S-1))~~ all
37 buildings used as repair garages ((as defined by the)) in accordance with Section 406 of the
38 IBC, including:

- 39 (1) Buildings two or more stories ~~((in height))~~ above grade plane, including basements, with
40 a fire area containing a repair garage exceeding 10,000 square feet (929 m²).
41 (2) ~~((One-story building))~~ Buildings with no more than one story above grade plane, with a
42 fire area containing a repair garage exceeding 12,000 square feet (1115 m²).
43 (3) Buildings with a repair garage servicing vehicles parked in the basement.
44 (4) A Group S-1 fire area used for the repair of commercial trucks or buses where the fire
45 area exceeds 5,000 square feet (464 m²).
46 ~~((4))~~ (5) S-1 repair garages where the use of open flame or welding is conducted with a floor
47 area in excess of 3,000 square feet or more.

48
49 Section 21. Snohomish County Code Section 30.52G.260, adopted by Amended
50 Ordinance No. 07-088 on September 5, 2007, is amended to read:

1 **30.52G.260 Group S-1 bulk storage of tires (~~((IFC and IBC 903.2.8.2))~~) (IFC and IBC**
2 **903.2.9.2).**

3
4 Group S-1 buildings and structures where the area for the storage of tires exceeds 20,000
5 cubic feet (566 m³) shall be equipped throughout with an automatic sprinkler system in
6 accordance with SCC 30.52G.430.

7
8 Section 22. Snohomish County Code Section 30.52G.270, adopted by Amended
9 Ordinance No. 07-088 on September 5, 2007, is amended to read:

10
11 **30.52G.270 Group S-2 (~~((IFC and IBC 903.2.9))~~) (IFC and IBC 903.2.10).**

12
13 An automatic sprinkler system shall be provided throughout Group S-2 buildings classified as
14 enclosed parking garages in accordance with section 406.4 of the IBC (~~(or where located~~
15 ~~beneath other group occupancy buildings or structures.)~~) as follows:

- 16
17 1. Where the fire area of the enclosed parking garage exceeds 10,000 square feet (1115 m²);
18 or
19 2. Where the enclosed parking garage is located beneath other groups.

20
21 Exception: Enclosed parking garages located beneath Group R-3 occupancies.

22
23 Section 23. Snohomish County Code Section 30.52G.280, adopted by Amended
24 Ordinance No. 07-088 on September 5, 2007, is amended to read:

25
26 **30.52G.280 Commercial parking garages (~~((IFC and IBC 903.2.9.1))~~) (IFC and IBC**
27 **903.2.10.1).**

28
29 An automatic sprinkler system shall be provided throughout buildings used for storage of
30 commercial trucks or buses where the fire area exceeds 5,000 square feet (~~((465 m²))~~) (464
31 m²).

32
33 Section 24. Snohomish County Code Section 30.52G.290, adopted by Amended
34 Ordinance No. 07-088 on September 5, 2007, is amended to read:

35
36 **30.52G.290 Windowless stories in all occupancies (~~((IFC and IBC 903.2.10))~~) (IFC and**
37 **IBC 903.2.11).**

38
39 An automatic sprinkler system shall be installed in the locations set forth in SCC 30.52G.300
40 through 30.52G.330.

41
42 Exception: Group R-3 and Group U.

43
44 Section 25. Snohomish County Code Section 30.52G.300, adopted by Amended
45 Ordinance No. 07-088 on September 5, 2007, is amended to read:

46
47 **30.52G.300 Stories and basements without openings (~~((IFC and IBC 903.2.10.1))~~) (IFC**
48 **and IBC 903.2.11.1).**

1 An automatic sprinkler system shall be installed throughout every story or basement of all
2 buildings where both the floor area exceeds 1,500 square feet (139.4 m2) and where there is
3 not provided at least one of the following types of exterior wall openings:
4

5 (1) Openings below grade that lead directly to ground level by an exterior stairway complying
6 with section 1009 of the IFC or an outside ramp complying with section 1010 of the IFC.
7 Openings shall be located in each 50 linear feet (15,240 mm), or fraction thereof, of exterior
8 wall in the story on at least one side. The required openings shall be distributed such that the
9 lineal distance between adjacent openings does not exceed 50 feet (15,240 mm).

10 (2) Openings entirely above the adjoining ground level totaling at least 20 square feet (1.86
11 m2) in each 50 linear feet (15,240 mm), or fraction thereof, of exterior wall in the story on at
12 least one side. The required openings shall be distributed such that the lineal distance
13 between adjacent openings does not exceed 50 feet (15,240 mm).
14

15 Section 26. Snohomish County Code Section 30.52G.310, adopted by Amended
16 Ordinance No. 07-088 on September 5, 2007, is amended to read:
17

18 **30.52G.310 Opening dimensions and access (~~((IFC and IBC 903.2.10.1.1))~~) (IFC and IBC**
19 **903.2.11.1.1).**
20

21 Exterior wall openings shall have a minimum dimension of not less than 30 inches (762 mm).
22 Such openings shall be accessible to the fire department from the exterior and shall not be
23 obstructed in a manner that fire fighting or rescue cannot be accomplished from the exterior.
24

25 Section 27. Snohomish County Code Section 30.52G.320, adopted by Amended
26 Ordinance No. 07-088 on September 5, 2007, is amended to read:
27

28 **30.52G.320 Openings on one side only (~~((IFC and IBC 903.2.10.1.2))~~) (IFC and IBC**
29 **903.2.11.1.2).**
30

31 Where exterior wall openings in a story are provided on only one side and the opposite wall of
32 such story is more than 75 feet (22,860 mm) from such openings, the story shall be equipped
33 throughout with an approved automatic sprinkler system, or openings as specified above shall
34 be provided on at least two sides of the story.
35

36 Section 28. Snohomish County Code Section 30.52G.330, adopted by Amended
37 Ordinance No. 07-088 on September 5, 2007, is amended to read:
38

39 **30.52G.330 Basements (~~((IFC and IBC 903.2.10.1.3))~~) (IFC and IBC 903.2.11.1.3).**
40

41 Where any portion of a basement is located more than 75 feet (22,860 mm) from an opening
42 described in SCC 30.52G.300, the basement shall be equipped throughout with an approved
43 automatic sprinkler system.
44

45 Section 29. Snohomish County Code Section 30.52G.340, adopted by Amended
46 Ordinance No. 07-088 on September 5, 2007, is amended to read:
47

48 **30.52G.340 Rubbish and linen chutes (~~((IFC and IBC 903.2.10.2))~~) (IFC and IBC**
49 **903.2.11.2).**
50

1 An automatic sprinkler system shall be installed at the top of rubbish and linen chutes and in
2 their terminal rooms. Chutes extending through three or more floors shall have additional
3 sprinkler heads installed within such chutes at alternate floors. Chute sprinklers shall be
4 accessible for servicing.

5
6 Section 30. Snohomish County Code Section 30.52G.350, adopted by Amended
7 Ordinance No. 07-088 on September 5, 2007, is amended to read:

8
9 **30.52G.350 Buildings 55 feet or more in height (~~((IFC and IBC 903.2.10.3)))~~ (IFC and IBC
10 903.2.11.3).**

11
12 An automatic sprinkler system shall be installed throughout buildings with a floor level having
13 an occupant load of 30 or more that is located 55 feet (16,764 mm) or more above the lowest
14 level of fire department vehicle access.

15
16 Exceptions:

- 17
18 (1) Airport control towers;
19 (2) Open parking structures; and
20 (3) Occupancies in Group F-2.

21
22 Section 31. Snohomish County Code Section 30.52G.360, adopted by Amended
23 Ordinance No. 07-088 on September 5, 2007, is amended to read:

24
25 **30.52G.360 During construction (~~((IFC and IBC 903.2.11)))~~ (IFC and IBC 903.2.12).**

26
27 Automatic sprinkler systems required during construction, alteration and demolition operations
28 shall be provided in accordance with the (~~(IFC))~~ fire code.

29
30 Section 32. Snohomish County Code Section 30.52G.370 is repealed:

31
32 Section 33. Snohomish County Code Section 30.52G.380, adopted by Amended
33 Ordinance No. 07-088 on September 5, 2007, is amended to read:

34
35 **30.52G.380 Ducts conveying hazardous exhausts (~~((IFC and IBC 903.2.12.1)))~~ (IFC and
36 IBC 903.2.11.4).**

37
38 Where required by the International Mechanical Code, automatic sprinklers shall be provided
39 in ducts conveying hazardous exhaust, or flammable or combustible materials.

40
41 Exception:

42
43 Ducts in which the largest cross-sectional diameter of the duct is less than 10 inches (254
44 mm).

45
46 Section 34. Snohomish County Code Section 30.52G.390, adopted by Amended
47 Ordinance No. 07-088 on September 5, 2007, is amended to read:

48
49 **30.52G.390 Commercial cooking operations (~~((IFC and IBC 903.2.12.2)))~~ (IFC and IBC
50 903.2.11.5).**

1 An automatic sprinkler system shall be installed in commercial kitchen exhaust hoods and duct
2 systems where an automatic sprinkler system is used to comply with section 904 of the IFC.

3
4 Section 35. Snohomish County Code Section 30.52G.400, adopted by Amended
5 Ordinance No. 07-088 on September 5, 2007, is amended to read:

6
7 **30.52G.400 Other required suppression systems (~~((IFC and IBC 903.2.13))~~) IFC and IBC**
8 **903.2.11.6**.

9
10 In addition to the requirements of SCC 30.52G.040, the provisions indicated in Table(s)
11 30.52G.400A (~~and B~~) also require the installation of a suppression system for certain
12 buildings and areas.

13
14 **TABLE 30.52G.400A**
15 **ADDITIONAL REQUIRED SUPPRESSION SYSTEMS**

IBC SECTION	SUBJECT
((402.8)) 402.9	Covered malls
403.2, 403.3	High-rise buildings
404.3	Atriums
405.3	Underground structures
407.5	Group 1-2
410.6	Stages
411.4	Special amusement buildings
((412.2.5, 412.2.6)) 412.4.6	Aircraft hangars
415.6.2.4	Group H-2
416.4	Flammable finishes
417.4	Drying rooms
507	Unlimited area buildings
508.2	Incidental use areas
((1025.6.2.3)) <u>1028.6.2.3</u>	Smoke-protected assembly seating
IFC	Sprinkler system requirements as set forth in ((Section 903.2.13)) <u>Table 903.2.11.6 IFC</u>

16
17 Section 36. Snohomish County Code Section 30.52G.430, adopted by Amended
18 Ordinance No. 07-088 on September 5, 2007, is amended to read:

19
20 **30.52G.430 NFPA 13 sprinkler systems (IFC and IBC 903.3.1.1).**

21
22 Where the provisions of the construction codes require that a building or portion thereof be
23 equipped throughout with an automatic sprinkler system in accordance with this section or
24 section 903.3.1.1 of the IFC or IBC, sprinklers shall be installed throughout in accordance with
25 NFPA 13 except as provided in SCC 30.52G.440.

26
27 Exception:

1 Automatic sprinklers shall not be required in the following rooms or areas where such rooms or
2 areas are protected with an approved automatic fire detection system, in accordance with
3 section 907.2 of the IFC that will respond to visible or invisible particles of combustion.
4 Sprinklers shall not be omitted from any room merely because it is damp, of fire-resistance-
5 rated construction or contains electrical equipment.

6 (1) Any room where the application of water, or flame and water, constitutes a serious life or
7 fire hazard.

8 (2) Any room or space where sprinklers are considered undesirable because of the nature of
9 the contents, when approved by the fire marshal.

10 (3) Generator and transformer rooms separated from the remainder of the building by walls
11 and floor/ceiling or roof/ceiling assemblies having a fire-resistance rating of not less than 2
12 hours.

13 (4) In rooms or areas that are of noncombustible construction with wholly noncombustible
14 contents.

15 (5) Fire service access elevator machine rooms and machinery spaces.

16
17 Section 37. Snohomish County Code Section 30.52G.440, adopted by Amended
18 Ordinance No. 07-088 on September 5, 2007, is amended to read:

19
20 **30.52G.440 NFPA 13R sprinkler systems (IFC and IBC 903.3.1.2 and 903.3.1.2.1).**

21
22 (1) Where allowed in buildings of Group R, up to and including four stories in height,
23 automatic sprinkler systems shall be installed throughout in accordance with NFPA 13R.

24 (2) Sprinkler protection (~~((installed in accordance with NFPA 13R))~~) shall be provided for
25 exterior balconies, decks and ground floor patios of dwelling units where the building is of
26 Type V construction, provided there is a roof or deck above. Sidewall sprinklers that are used
27 to protect such areas shall be permitted to be located such that their deflectors are within 1
28 inch (25 mm) to 6 inches (152 mm) below the structural members and a maximum distance of
29 14 inches (356 mm) below the deck of the exterior balconies and decks that are constructed of
30 open wood joist construction.

31
32 Section 38. Snohomish County Code Section 30.52G.450, adopted by Amended
33 Ordinance No. 07-088 on September 5, 2007, is amended to read:

34
35 **30.52G.450 NFPA 13D sprinkler systems (IFC and IBC 903.3.1.3).**

36
37 Where allowed, automatic sprinkler systems in one- and two-family dwellings and townhouses
38 shall be installed throughout in accordance with NFPA 13D or Appendix R of the IRC.

39
40 Section 39. Snohomish County Code Section 30.52G.520, adopted by Amended
41 Ordinance No. 07-088 on September 5, 2007, is amended to read:

42
43 **30.52.520 Sprinkler system (~~((monitoring))~~) supervision and alarms (IFC and IBC 903.4).**

44
45 All valves controlling the water supply for automatic sprinkler systems, pumps, tanks, water
46 levels and temperatures, critical air pressures and water-flow switches on all sprinkler systems
47 shall be electrically supervised by a listed fire alarm control unit.

48
49 Exceptions:

50
51 (1) Automatic sprinkler systems protecting one- and two-family dwellings;

- 1 (2) Limited area systems serving fewer than 20 sprinklers;
2 (3) Automatic sprinkler systems installed in accordance with NFPA 13R where a common
3 supply main is used to supply both domestic water and the automatic sprinkler
4 systems and a separate shutoff valve for the automatic sprinkler system is not provided;
5 (4) Jockey pump control valves that are sealed or locked in the open position;
6 (5) Control valves to commercial kitchen hoods, paint spray booths or dip tanks that are
7 sealed or locked in the open position;
8 (6) Valves controlling the fuel supply to fire pump engines that are sealed or locked in the
9 open position; and
10 (7) Trim valves to pressure switches in dry, pre-action and deluge sprinkler systems that are
11 sealed or locked in the open position.

12
13 Section 40. Snohomish County Code Section 30.52G.530, adopted by Amended
14 Ordinance No. 07-088 on September 5, 2007, is amended to read:

15
16 **30.52G.530 ((Signals)) Monitoring (IFC and IBC 903.4.1).**

17
18 Alarm, supervisory and trouble signals shall be distinctly different and shall be automatically
19 transmitted to an approved ~~((central))~~ supervising station or, remote supervising station or
20 proprietary supervising station as defined in NFPA 72 or, when approved by the fire marshal,
21 shall sound an audible signal at a constantly attended location.

22
23 Exceptions:

- 24
25 (1) Underground key or hub valves in roadway boxes provided by the municipality or public
26 utility are not required to be monitored; and
27 (2) Backflow prevention device test valves located in limited area sprinkler system supply
28 piping shall be locked in the open position. In occupancies required to be equipped with a fire
29 alarm system, the backflow preventer valves shall be electrically supervised by a tamper
30 switch installed in accordance with NFPA 72 and separately annunciated.

31
32 Section 41. A new section is added to chapter 30.53A of the Snohomish County Code
33 to read:

34
35 **30.52G.575 Existing buildings (IFC and IBC 903.6).**

36
37 The provisions of this section are intended to provide a reasonable degree of safety in existing
38 structures not complying with the minimum requirements of the International Building Code by
39 requiring installation of an automatic fire-extinguishing system.

40
41 Section 42. Snohomish County Code Section 30.52G.580, adopted by Amended
42 Ordinance No. 07-088 on September 5, 2007, is amended to read:

43
44 **30.52G.580 Proxylin plastics (IFC and IBC 903.6.1).**

45
46 All structures occupied for the manufacture or storage of articles of cellulose nitrate (proxylin)
47 plastic shall be equipped with an approved automatic fire-extinguishing system where required
48 in Chapter 46 of the IFC. ~~((Vaults located within buildings for the storage of raw proxylin shall~~
49 ~~be protected with an approved automatic sprinkler system capable of discharging 1.66 gallons~~
50 ~~per minute per square foot (68 L/min/m²) over the area of the vault.))~~

1 Section 43. A new section is added to chapter 30.53A of the Snohomish County Code
2 to read:

3
4 **30.52G.585 Group I-2 (IFC and IBC 903.6.2).**

5
6 An automatic sprinkler system shall be provided throughout Group I-2 fire areas where
7 required in Chapter 46 of the IFC.

8
9 Section 44. Severability and Savings. If any section, sentence, clause or phrase of
10 this ordinance shall be held to be invalid or unconstitutional by a court of competent
11 jurisdiction, such invalidity or unconstitutionality shall not affect the validity or constitutionality
12 of any other section, sentence, clause, or phrase of this ordinance. Provided, however, that if
13 any section, sentence, clause, or phrase of this ordinance is held to be invalid by a court of
14 competent jurisdiction, then the section, sentence, clause, or phrase in effect prior to the
15 effective date of this ordinance shall be in full force and effect for that individual section,
16 sentence, clause, or phrase as if this ordinance had never been adopted.

17
18 PASSED this 3rd day of Aug, 2011.

19
20
21 SNOHOMISH COUNTY COUNCIL
22 Snohomish County, Washington
23
24
25
26
27 Chairperson Vice

28 ATTEST:

29 *Sheela McCallister*
30 Asst. Clerk of the Council

31
32 APPROVED
33 EMERGENCY
34 VETOED

35
36
37 *Aaron Reardon* 8/8/11
38 County Executive Date

39 ATTEST:

40
41
42 *Cora E. Palmer*

43
44
45 **AARON REARDON**
County Executive

46 Approved as to form:

47
48 *Thomas D. ... 3/11/11*
49 Deputy Prosecuting Attorney

D-11