

1/17/83

2 MCAR1

[REVISOR] CEL/BP AR0242

1 Department of Administration

2 Building Codes and Standards Division

3

4 Adopted Rules Governing Amendments to the State Building Code

5

6 Rules as Adopted

7

8 2 MCAR S 1.10103 Definitions. The term "Administrative
9 Authority" means "building official" wherever it appears in this
10 code.

11 The terms "Mayor" and "City Council" mean "governing body"
12 whenever they appear in this code.

13 A.-D. [Unchanged.]

14 E. UBC. "UBC" means the Uniform Building Code, as
15 promulgated by the International Conference of Building
16 Officials, Whittier, California, 1982 edition.

17 F. Mandatory terms. "Must" and "shall" have the same
18 meaning and are both mandatory terms.

19 2 MCAR S 1.10104 Scope. This code applies to the construction,
20 alteration, moving, demolition, repair and use of any building
21 or structure within the municipality, except work located
22 primarily in a public way, public utility towers and poles,
23 mechanical equipment not specifically regulated in this code,
24 and hydraulic flood control structures.

25 Additions, alterations, repairs and changes of use or
26 occupancy in all buildings and structures shall comply with the
27 provisions for new buildings and structures except as otherwise
28 provided in UBC Sections 104, 306, 307, and 502 of this code.
29 Where, in any specific case, different sections of this code
30 specify different materials, methods of construction or other
31 requirements, the most restrictive shall govern.

32 Wherever in this code reference is made to the Appendix,
33 the provisions in the Appendix do not apply unless they have
34 been specifically adopted.

35 The provisions of this code relating to fallout shelters

1-28-83

1 apply only to state-owned buildings.

2 2 MCAR S 1.10107 State plan checking fees.

3 Plan checking of buildings or structures conducted by the
4 division shall have a fee based on valuation in accordance with
5 Table No. 107-A. "Valuation" means the total cost of
6 construction exclusive of site work not related to the
7 construction.

8 When the plan review is limited to non-structural aspects,
9 the fee is 75% of that in Table No. 107-A.

10 There is no additional fee charge for consultation with
11 designers, or for re-checking if no substantial change in the
12 design has been made. When a determination is made by the
13 division that a substantial change has been made in the design,
14 the re-checking fee is \$15.00 per hour or fraction of an hour.
15 No fee shall be charged for state-owned buildings.

16 TABLE NO. 107-A

17	Valuation	Plan	Checking Fee
18	\$ 3,000.00 or less		No Charge
19	3,001.00 to 5,000.00		\$ 21.00
20			
21	5,001.00 to 10,000.00		34.00
22	10,001.00 to 15,000.00		47.00
23	15,001.00 to 20,000.00		60.00
24	20,001.00 to 25,000.00		72.00
25			
26	25,001.00 to 30,000.00		83.00
27	30,001.00 to 35,000.00		93.00
28	35,001.00 to 40,000.00		102.00
29	40,001.00 to 45,000.00		112.00
30	45,001.00 to 50,000.00		122.00
31			
32	50,001.00 to 55,000.00		129.00
33	55,001.00 to 60,000.00		135.00
34	60,001.00 to 65,000.00		142.00
35	65,001.00 to 70,000.00		148.00
36	70,001.00 to 75,000.00		155.00

1		
2	75,001.00 to 80,000.00	161.00
3	80,001.00 to 85,000.00	168.00
4	85,001.00 to 90,000.00	174.00
5	90,001.00 to 95,000.00	181.00
6	95,001.00 to 100,000.00	187.00
7		
8	100,001.00 to 500,000.00	187.00 for the
9		first \$100,000.00
10		plus \$1.00 for
11		each additional
12		\$1,000.00 or
13		fraction
14		of \$1,000.00.
15	500,001.00 and up	587.00 for
16		the first
17		\$500,000.00
18		plus \$.65 for
19		each additional
20		\$1,000.00 or
21		fraction of
22		\$1,000.00.

23 2 MCAR S 1.10109 Appendices.

24 A. Enforcement required. The following appendices, annexes,
25 and supplemental material listed in this code must be enforced
26 by any municipality.

27 1.-2. [Unchanged.]

28 3. 1982 UBC Appendix, Chapter 35.

29 4. [Unchanged.]

30 B. Enforcement optional. [text unchanged.]

31 1. [Unchanged.]

32 2. 1982 UBC Appendix, Chapters 1, 7, 38, 55, and 70. UBC
33 appendices not listed as mandatory or optional are not
34 incorporated in the State Building Code.

35 3.-5. [Unchanged.]

1 2 MCAR S 1.10111 Adoption of the Uniform Building Code by
2 reference. Chapters 1 to 60 and appendices of the 1982 Edition
3 of the Uniform Building Code as promulgated by the International
4 Conference of Building Officials, Whittier, California, are
5 incorporated by reference and hereby made part of the State
6 Building Code except as qualified by 2 MCAR Section 1.10109.
7 The UBC is amended as follows:

8 UBC Sections 101, 102 and 103 are deleted in their entirety.

9 UBC Section 104(a) is amended by changing the last sentence
10 and adding a sentence to read: [amendment unchanged.]

11 UBC Section 104(f) is amended by adding an additional item
12 number 4 as follows: [amendment unchanged.]

13 UBC Section 203 is amended to read as follows:

14 UBC Section 203. All buildings or structures regulated by
15 this code which are structurally unsafe or not provided with
16 adequate egress, or which constitute a fire hazard, or are
17 otherwise dangerous to human life are, for the purpose of this
18 section, unsafe. Any use of buildings or structures
19 constituting a hazard to safety, health, or public welfare by
20 reason of inadequate maintenance, dilapidation, obsolescence,
21 fire hazard, disaster, damage, or abandonment are, for the
22 purpose of this section, unsafe uses. Parapet walls, cornices,
23 spires, towers, tanks, statuary, and other appendages or
24 structural members which are supported by, attached to, or part
25 of a building and which are in deteriorated condition or
26 otherwise unable to sustain the design loads which are specified
27 in the code are unsafe building appendages. All unsafe
28 buildings, structures, or appendages are public nuisances and
29 must be abated by repair, rehabilitation, demolition, or removal
30 in accordance with the procedures set forth in Minnesota
31 Statutes, sections 463.15 to 463.26.

32 UBC Section 204 is amended by amending the last sentence as
33 follows: [amendment unchanged.]

34 UBC Section 205 is amended by adding a sentence as
35 follows: [amendment unchanged.]

36 UBC Section 301(b) is amended by the addition of item 12 as

1 follows: [amendment unchanged.]

2 Section 304(a) of the UBC is amended to read as follows:

3 UBC Section 304. (a) Permit Fees. Each municipality must
4 adopt its own schedule of permit fees. The fee schedule of
5 Table 3-A is optional for use by the local authority and is a
6 recommended schedule. In areas outside of the enforcement
7 authority of a city, the fee charged for the issuance of permits
8 and inspections for single family dwellings may not exceed the
9 greater of \$100 or .005 times the value of the structure,
10 addition or alteration. (Minnesota Statutes, section 16.851.)

11 The determination of value or valuation under any of the
12 provisions of this code must be made by the building official.
13 The value to be used in computing the building permit and
14 building plan review fees is the total value of all construction
15 work for which the permit is issued as well as all finish work,
16 painting, roofing, electrical, plumbing, heating, air
17 conditioning, elevators, fire-extinguishing systems, and any
18 other permanent equipment.

19 Section 305(e) of the UBC is amended to read as follows:
20 [amendment unchanged.]

21 Section 307(a) of the UBC is amended to read as follows:
22 [amendment unchanged.]

23 Section 405 of the UBC, Definition of Dwelling, is amended
24 to read:

25 DWELLING is any building or any portion of a building which
26 contains not more than two "Dwelling Units," including Class A-1
27 Supervised Living Facilities as defined in Section 420.

28 Section 406 of the UBC is amended by the addition of the
29 following definition: [amendment unchanged.]

30 Section 407 of the UBC, Definition of Fire Code, is amended
31 as follows: [amendment unchanged.]

32 UBC Section 414 of the UBC, Definition of Mechanical Code,
33 is amended as follows: [amendment unchanged.]

34 Section 420 of the UBC is amended by adding the following
35 definitions:

36 "Supervised Living Facility" means a facility in which

1 there is provided supervision, lodging, meals, and, in
2 accordance with the provisions of rules of the Department of
3 Public Welfare, and the Department of Health, counseling and
4 developmental habilitative or rehabilitative services to five or
5 more persons who are mentally retarded, chemically dependent,
6 adult mentally ill or physically handicapped.

7 "Class A Supervised Living Facility" means a Supervised
8 Living Facility for ambulatory and mobile persons who are
9 capable of taking appropriate action for self-preservation under
10 emergency conditions as determined by program licensure
11 provisions.

12 Class A-1 supervised living facilities include homes
13 providing boarding and lodging for six or fewer ambulatory or
14 mobile disabled persons.

15 Class A-2 supervised living facilities include homes
16 providing boarding and lodging for more than six ambulatory or
17 mobile disabled persons.

18 "Class B Supervised Living Facility" means a Supervised
19 Living Facility for ambulatory, non-ambulatory, mobile or
20 non-mobile persons who are not mentally or physically capable of
21 taking appropriate action for self-preservation under emergency
22 conditions as determined by program licensure provisions.

23 UBC Table 5-A, Group I-1, I-2, R1 and R3 are amended to
24 read as follows: [amendments unchanged.]

25 Section 510 of the UBC is amended by adding a new subsection
26 (c) that reads as follows:

27 UBC Section 510(c) Sanitation Facilities. Sanitation
28 facilities must be provided for each Occupancy in accordance
29 with Table 5-E and UBC Sections 605, 705, 805, 905, 1005 or 1205
30 as amended herein. Fixtures must be provided for each sex in
31 accordance with the percentage of occupants of each sex. When
32 the percentage of each sex is not known, one-half for each sex
33 shall be assumed. For sanitation facilities for the handicapped
34 see 2 MCAR S 1.15503.

35 Types of building occupancy not shown, or when the
36 provisions of Table 5-E are excessive due to a specific use or

1 occupant load, facilities may be considered individually by the
2 Administrative Authority.

3 Section 511(a) of the UBC is amended to read as follows:

4 UBC Section 511(a) Toilet Facilities. Each water closet
5 stool must be located in a clear space not less than 30 inches
6 in width and have a clear space in front of the water closet of
7 not less than 24 inches.

8 For provisions for the physically handicapped see 2 MCAR SS
9 1.15501-1.15508.

10 Section 511(b) of the UBC is deleted in its entirety.

11 Chapter 5 of the UBC is amended by adding a new section to
12 read as follows:

13 UBC Section 514 Roof Access. [remainder of amendment
14 unchanged.]

15 Section 605 of the UBC is amended to read as follows:

16 UBC Section 605. All enclosed portions of Group A
17 Occupancies customarily used by human beings and all dressing
18 rooms must be provided with natural light by means of exterior
19 glazed openings with an area not less than one-tenth of the
20 total floor area, and natural ventilation by means of openable
21 exterior openings with an area of not less than one-twentieth of
22 the total floor area or must be provided with artificial light
23 and a mechanically operated ventilating system. The
24 mechanically operated ventilating systems must be capable of
25 supplying a minimum of five cubic feet per minute of outside air
26 with a total circulated of not less than 15 cubic feet per
27 minute per occupant in all portions of the building during the
28 time the building is occupied. If the velocity of the air at
29 the register exceeds ten feet per second, the register must be
30 placed more than eight feet above the floor directly beneath.

31 Toilet rooms must be provided with a fully openable
32 exterior window at least three square feet in area; or a
33 vertical duct not less than 100 square inches in area for the
34 toilet facility, with 50 additional inches for each additional
35 facility; or a mechanically operated exhaust system capable of
36 providing a complete change of air every 15 minutes. The

1 systems must be connected directly to the outside, and the point
2 of discharge must be at least five feet from any openable window.

3 Exit lighting in portions of buildings other than the stage
4 must be on a separate circuit from that of the stage and must be
5 controlled from the box office or other approved central control
6 center located in a portion of the building other than the stage.

7 All registers or vents supplying air backstage must be
8 equipped with automatic closing devices with fusible links. The
9 closing devices must be located where the vents or ducts pass
10 through the proscenium walls, and must be operated by fusible
11 links located on both sides of the proscenium wall and both
12 inside of and outside of the vent or duct.

13 There must be provided in an approved location at least one
14 lavatory for each two water closets for each sex, and at least
15 one drinking fountain for each floor level.

16 For other requirements on water closets, see UBC section
17 511(a) as amended in this rule.

18 For additional sanitation facilities requirements, see UBC
19 Section 510(c) as specified in this rule.

20 Section 705 of the UBC is amended to read as follows:

21 UBC Section 705. All portions of Group B Occupancies must
22 be provided with natural light by means of exterior glazed
23 openings with an area equal to one-tenth of the total floor
24 area, and natural ventilation by means of exterior openings with
25 an area not less than one-twentieth of total floor area, or must
26 be provided with artificial light and mechanically operated
27 ventilating system as specified in Section 605 and the
28 applicable sections of the mechanical code.

29 In all buildings or portions of buildings where flammable
30 liquids are used, exhaust ventilation must be provided
31 sufficient to produce four air changes per hour. The exhaust
32 ventilation must be taken from a point at or near the floor
33 level.

34 In all enclosed parking garages used for storing or
35 handling of automobiles operating under their own power and on
36 all loading platforms in bus terminals, ventilation must be

1 provided capable of exhausting a minimum of 3/4 cfm per square
2 foot of gross floor area. The building official may approve an
3 alternate ventilation system designed to exhaust a minimum of
4 14,000 cfm for each operating vehicle. The alternate system
5 must be based upon the anticipated instantaneous movement rate
6 of vehicles but not less than 2.5 percent (or one vehicle) of
7 the garage capacity. Automatic CO sensing devices may be
8 employed to modulate the ventilation system to maintain a
9 maximum average concentration of CO of 50 ppm during any
10 eight-hour period, with a maximum concentration not greater than
11 200 ppm for a period not exceeding one hour. Connecting
12 offices, waiting rooms, ticket booths, etc., must be supplied
13 with conditioned air under positive pressure.

14 EXCEPTION: In gasoline service stations without
15 lubrication pits, storage garages and aircraft hangars not
16 exceeding an area of 5,000 square feet, the building official
17 may authorize the omission of ventilating equipment required in
18 this section where, in his opinion, the building is supplied
19 with unobstructed openings to the outer air which are sufficient
20 to provide the necessary ventilation.

21 Every building or portion of a building where persons are
22 employed must be provided with at least one water closet.
23 Separate facilities must be provided for each sex when the
24 number of employees exceeds four and both sexes are employed.
25 The toilet facilities must be located either in the building or
26 conveniently in a building adjacent to it on the same property.

27 Water closet rooms in connection with food establishments
28 where food is prepared, stored or served must have a
29 nonabsorbent interior finish as specified in section 510(b),
30 must have hand-washing facilities in or adjacent to them, and
31 must be separated from food preparation or storage rooms as
32 specified in Section 510(a).

33 A toilet room must be provided with a fully openable
34 exterior window at least three square feet in area, or a
35 vertical duct not less than 100 square inches in area for the
36 toilet facility, with 50 additional inches for each additional

1 facility, or a mechanically operated exhaust system, capable of
2 providing a complete change of air every 15 minutes. Exhaust
3 systems must be connected directly to the outside and the point
4 of discharge must be at least five feet from any openable window.

5 For other requirements on water closets, see UBC Section
6 511(a) as amended in this rule.

7 For additional sanitation facilities requirements, see UBC
8 Section 510(c) as specified in this rule.

9 Section 709(e) of the UBC is amended to read as follows:
10 [amendment unchanged.]

11 Section 709 of the UBC is amended by adding a new paragraph
12 (m): [amendment unchanged.]

13 Section 802(c) of the UBC is amended to read as follows:

14 UBC Section 802(c) Special Provisions. Rooms in Divisions
15 1 and 2 Occupancies used for day-care purposes, kindergarten
16 pupils, and Division 3 Occupancies may not be located above the
17 first story, and they may not be located in a basement unless
18 there is provided at least one exit without intervening stairs
19 directly on grade from the occupied space.

20 Storage and janitor closets must be of one-hour
21 fire-resistive construction. Stages and enclosed platforms must
22 be constructed in accordance with Chapter 39. For attic space
23 partitions and draft stops, see Section 2516(f).

24 Section 805 of the UBC is amended to read as follows:

25 UBC Section 805. All portions of Group E Occupancies must
26 be provided with light and ventilation, either natural or
27 artificial, as specified in Section 605.

28 For other requirements on water closets, see UBC Section
29 511(a) as amended in this rule.

30 For additional sanitation facilities requirements, see UBC
31 Section 510(c) as specified in this rule.

32 Section 809 of the UBC is amended to read as follows:

33 UBC Section 809. Approved fire alarms must be provided for
34 all Group E Occupancies with an occupant load of more than 50
35 persons, and in Group E Division 3 Occupancies with an occupant
36 load of more than 29 persons. In every Group E Occupancy with

1 an automatic sprinkler or detection system, the operation of the
2 system must automatically activate the school fire alarm system.

3 The fire alarm system must be installed in compliance with
4 NFPA Standard 72-A-75, "Local Protective Signaling Systems."

5 An approved fire alarm is a fire alarm and detection system
6 consisting of the following:

7 1. [Unchanged.]

8 2. Sounding stations on 100-foot to 150-foot spacing (a) in
9 corridors, (b) in areas of high noise levels, such as band
10 rooms, shops, boiler rooms, and (c) a weatherproof station on
11 exterior of building facing residential areas.

12 3.-4. [Unchanged.]

13 Section 905 of the UBC is amended to read as follows:

14 UBC Section 905. All portions of Group H Occupancies must
15 be provided with natural light by means of exterior glazed
16 openings with an area equal to one-tenth of the total floor
17 area, and natural ventilation by means of exterior openings with
18 an area not less than one-twentieth of the total floor area, or
19 must be provided with artificial light and a mechanically
20 operated ventilating system as specified in Section 605 and the
21 applicable sections of the mechanical code.

22 In all buildings or portions of buildings where flammable
23 liquids are used, exhaust ventilation must be provided
24 sufficient to produce four complete air changes per hour. The
25 exhaust ventilation must be taken from a point at or near the
26 floor level.

27 In all buildings used for the repair or handling of
28 automobiles operating under their own power, ventilation must be
29 provided capable of exhausting a minimum of 3/4 cfm per square
30 foot. Additionally, each engine repair stall must be equipped
31 with an exhaust pipe extension duct, extending to the outside of
32 the building, which, if over ten feet in length, must
33 mechanically exhaust 300 cubic feet per minute. Connecting
34 offices and waiting rooms must be supplied with conditioned air
35 under positive pressure.

36 EXCEPTION: In public repair garages and aircraft hangars

1 not exceeding an area of 5,000 square feet, the building
2 official may authorize the omission of ventilating equipment
3 required by this section where, in his opinion, the building is
4 supplied with unobstructed openings to the outer air which are
5 sufficient to provide the necessary ventilation.

6 Every building or portion of a building where persons are
7 employed must be provided with at least one water closet.
8 Separate facilities must be provided for each sex when the
9 number of employees exceeds four and both sexes are employed.

10 The toilet facilities must be located either in the
11 building or conveniently in a building adjacent to it on the
12 same property.

13 A toilet room must be provided with a fully openable
14 exterior window at least three square feet in area, or a
15 vertical duct not less than 100 square inches in area for the
16 toilet facility, with 50 additional inches for each additional
17 facility, or a mechanically operated exhaust system, capable of
18 providing a complete change of air every 15 minutes. The
19 exhaust systems must be connected directly to the outside, and
20 the point of discharge must be at least five feet from any
21 openable window.

22 For other requirements on water closets, see UBC Section
23 511(a) as amended in this rule.

24 For additional sanitation facilities requirements, see UBC
25 Section 510(c), as specified in this rule.

26 Section 1001 of the UBC is amended to read as follows:
27 [amendment unchanged.]

28 Section 1002(b) of the UBC is amended to read as follows:

29 UBC Section 1002(b) Special Provisions. Division 3
30 Occupancies must be housed in buildings of Type I or Type
31 II-F.R. construction.

32 Every story of a Group I, Division 1 Occupancy
33 accommodating more than five nonambulatory persons, unless
34 provided with a horizontal exit, must be divided into not less
35 than two compartments accommodating approximately the same
36 number of nonambulatory persons in each compartment by a

1 smoke-stop partition meeting the requirements of one-hour
2 occupancy separation so as to provide an area of refuge within
3 the building. Corridor openings in the smoke-stop partition
4 must be protected with doors as required in Section 3305(h).
5 Other openings must be limited to ducts which have fire dampers
6 in the plane of the wall activated by detectors of products of
7 combustion other than heat conforming to section 4306(b) 2.

8 Rooms occupied by inmates or patients whose personal
9 liberties are restrained must have noncombustible floor surfaces.

10 Section 1005 of the UBC is amended to read as follows:

11 UBC Section 1005. All portions of Group I Occupancies must
12 be provided with natural light by means of exterior glazed
13 openings with an area equal to one-tenth of the total floor
14 area, and natural ventilation by means of exterior openings with
15 an area not less than one-twentieth of the total floor area, or
16 must be provided with artificial light and a mechanically
17 operated ventilating system as specified in section 605 and the
18 mechanical code.

19 For other requirements on water closets, see UBC Section
20 511(a) as amended in this rule.

21 For additional sanitation facilities requirements, see UBC
22 Section 510(c) as specified in this rule.

23 Section 1009 of the UBC is amended to read as follows:
24 [amendment unchanged.]

25 UBC Section 1101 Group M, 6th line is amended to read as
26 follows:

27 For occupancy separations, see Table No. 5-B. For purposes
28 of occupancy separation, manufactured homes, as defined in
29 Minnesota Statutes, section 327.31, subdivision 3, are Group R,
30 Division 3 Occupancies.

31 Section 1201 of the UBC is amended by adding a new Division
32 to read as follows:

33 UBC Section 1201 Group R, Division 4 Occupancies: This use
34 group includes all one and two family dwellings built
35 exclusively by the standards as established in the 1975 One and
36 Two Family Dwelling Code as promulgated by the national model

1 code organizations and 2 MCAR SS 1.16001-1.16006. Use and
2 installation of foam plastics must comply with Section 1712 of
3 the UBC as amended herein.

4 EXCEPTION: [Unchanged.]

5 Section R-202 of the One and Two Family Dwelling Code is
6 amended to read as follows:

7 Section R-202. Buildings must be constructed in accordance
8 with the provisions of this code using the design criteria set
9 forth in Table No. 2-A. These criteria shall be established by
10 the jurisdiction based solely or in part on the climatic and
11 geographic conditions set forth in Appendix A.

12 Roof snow loads must be in accordance with 2 MCAR S 1.10111
13 - UBC Section 2305(d). Frost line depth must be in accordance
14 with 2 MCAR S 1.10111 - UBC Section 2907(a). Wind velocity must
15 be in accordance with the conditions set forth in Appendix A of
16 the One and Two Family Dwelling Code.

17 Section R-204 of the One and Two Family Dwelling Code is
18 amended to read as follows:

19 Section R-204. All habitable rooms must be provided with
20 aggregate glazing area of not less than eight square feet or
21 eight percent of the floor area of the rooms. One-half of the
22 required area of glazing must be openable.

23 EXCEPTION: The glazed areas need not be openable where an
24 approved mechanical ventilation system is provided capable of
25 producing a change of air every 30 minutes and the opening is
26 not required by Section R-211.

27 Bathrooms, water-closet compartments and other similar
28 rooms must be provided with aggregate glazing area in windows of
29 not less than three square feet, one-half of which must be
30 openable.

31 EXCEPTION: The glazed areas are not required where
32 artificial light and an approved mechanical ventilation system
33 is provided capable of producing a change of air every 12
34 minutes.

35 Required glazed openings must open directly onto a street
36 or public alley, or a yard or court located on the same lot as

1 the building.

2 EXCEPTION: Required glazed openings may face into a roofed
3 porch where the porch abuts a street, yard or court and the
4 longer side of the porch is at least 65 percent open and
5 unobstructed and the ceiling height is not less than seven feet.

6 Section R-211 of the One and Two Family Dwelling Code is
7 amended to read as follows:

8 Section R-211 Exits. At least one exit conforming to this
9 chapter must be provided from each dwelling unit.

10 Every sleeping room must have at least one operable window
11 or exterior door approved for emergency egress or rescue. The
12 units must be operable from the inside to a full clear opening
13 without the use of separate tools. Where windows are provided
14 as a means of egress or rescue they must have a sill height of
15 not more than 48 inches above the floor.

16 All egress or rescue windows from sleeping rooms must have
17 a minimum net clear opening of 5.7 square feet. The minimum net
18 clear opening height dimension must be 24 inches. The minimum
19 net clear opening width dimension must be 20 inches.

20 UBC Section 1201 Group R Division 1 occupancy definition is
21 amended to read as follows:

22 Division 1. Hotels and apartment houses. Convents and
23 monasteries (each accommodating more than ten persons),
24 supervised living facilities Class A-2 as defined in Section 420
25 for the mentally retarded, mentally ill, chemically dependent,
26 and the physically handicapped (each accommodating more than six
27 persons). Physically handicapped persons shall be housed at
28 street level in supervised living facilities.

29 UBC Section 1201 Group R, Division 3 is amended to read as
30 follows: [amendment unchanged.]

31 Section 1204 of the UBC is amended to read as follows:

32 UBC Section 1204. Exit facilities. Stairs, exits and
33 smoke proof enclosures must be as specified in Chapter 33.

34 Every sleeping room below the fourth story must have at
35 least one operable window or exterior door approved for
36 emergency escape or rescue. The units must be operable from the

1 inside to provide a full clear opening without the use of
2 separate tools.

3 All escape or rescue windows from sleeping rooms must have
4 a minimum net clear opening of 5.7 square feet. The minimum net
5 clear opening height dimension must be 24 inches. The minimum
6 net clear opening width dimension must be 20 inches. Where
7 windows are provided as a means of escape or rescue they must
8 have a finished sill height not more than 48 inches above the
9 floor.

10 Bars, grilles, and similar devices may be installed on
11 emergency escape and rescue windows or doors if:

12 1. the devices are equipped with approved release
13 mechanisms which are openable from the inside without the use of
14 a key or special knowledge or effort; and

15 2. the building is equipped with smoke detectors
16 installed in accordance with UBC Section 1210.

17 Section 1205 of the UBC is amended to read as follows:

18 UBC Section 1205. (a) [amendment unchanged.]

19 (b) Sanitation. Every building must be provided with at
20 least one water closet. Every hotel or subdivision of a hotel
21 where both sexes are accommodated must contain at least two
22 separate toilet facilities which are conspicuously identified
23 for male or female use, each of which contains at least one
24 water closet.

25 Additional water closets must be provided on each floor for
26 each sex at the rate of one for every additional ten guests, or
27 fractional part of ten guests, in excess of ten.

28 Every dwelling unit must be provided with a kitchen
29 equipped with a kitchen sink. Every dwelling unit and every
30 lodging house must be provided with a bathroom equipped with
31 facilities consisting of a water closet, lavatory and either a
32 bathtub or shower. Each sink, lavatory, and either a bathtub or
33 shower must be equipped with hot and cold running water
34 necessary for its normal operation.

35 For other requirements on water closets, see UBC Section
36 511(a) as amended in this rule.

1 For additional sanitation facilities requirements, see UBC
2 Section 510(c), as specified in this rule.

3 Section 1210(a) of the UBC is amended to read as follows:

4 UBC Section 1210. (a) Fire-warning Systems. Every
5 dwelling unit and every guest room in a hotel or lodging house
6 used for sleeping purposes must be provided with smoke detectors
7 conforming to UBC Standard No. 43-6. In dwelling units,
8 detectors must be mounted on the ceiling or wall at a point
9 centrally located in the corridor or area giving access to rooms
10 used for sleeping purposes. In an efficiency dwelling unit,
11 hotel sleeping room and in hotel suites, the detector must be
12 centrally located on the ceiling of the main room or hotel
13 sleeping room. Where sleeping rooms are on an upper level, the
14 detector must be placed at the center of the ceiling directly
15 above the stairway. All detectors must be located in accordance
16 with approved manufacturer's instructions. When actuated, the
17 detector must provide an alarm in the dwelling unit or guest
18 room.

19 When alterations, repairs or additions requiring a permit
20 and having a valuation in excess of \$1,000 occur, or when one or
21 more sleeping rooms are added or created in existing Group R,
22 Division 3 or 4 Occupancies, the entire building must be
23 provided with smoke detectors located as required for new Group
24 R, Division 3 or 4 Occupancies.

25 In new construction, required smoke detectors must receive
26 their primary power from the building wiring when that wiring is
27 served from a commercial source. Wiring must be permanent and
28 without a disconnecting switch other than those required for
29 overcurrent protection.

30 Smoke detectors may be battery operated when installed in
31 existing buildings, in buildings without commercial power, or in
32 buildings which undergo alterations, repairs or additions
33 regulated by the second paragraph of this section.

34 A smoke detector must be installed in the basement of a
35 dwelling unit having a stairway which opens from the basement
36 into the dwelling. The detector must be connected to a sounding

1 device or other detector to provide an alarm which will be
2 audible in the sleeping area.

3 Section 1213 of the UBC is deleted in its entirety.

4 Chapter 12 of the UBC is amended by adding a new section to
5 read as follows: [amendment is unchanged.]

6 Chapter 12 of the UBC is amended by adding a new section to
7 read as follows:

8 UBC Section 1217. Deadbolt Locks Required. All doors
9 leading to public or shared areas from all apartment dwelling
10 units and hotel units must be provided with deadbolt locks, at
11 least one of which must be capable of being locked with a key
12 from the exterior of each unit. For the purpose of this section
13 a "deadbolt lock" is a locking bolt, which, when in the locked
14 position, can only be moved positively by turning a knob, key,
15 or sliding bolt.

16 Deadbolt locks having a bolt moved by turning a key must be
17 of the five-pin tumbler type or an approved equivalent. The
18 lock throw may not be less than three-quarters of an inch.
19 Locks must meet the requirements of UBC Section 3304(c).

20 Section 1706(d) of the UBC is deleted in its entirety. See
21 2 MCAR S 1.18806 C.

22 Section 1711 of the UBC is amended to read as follows:

23 UBC Section 1711. All unenclosed floor and roof openings,
24 open and glazed sides of landings and ramps, balconies or
25 porches which are more than 30 inches above grade or floor
26 below, and roofs used for other than service of the building
27 must be protected by a guardrail. Guardrails may not be less
28 than 42 inches in height. Open guardrail and stair railings
29 must have intermediate rails or an ornamental pattern so that a
30 sphere six inches in diameter cannot pass through. The height
31 of stair railings on open sides may be as specified in Section
32 3306 (j) in lieu of providing a guardrail. Ramps must, in
33 addition, have handrails when required by Section 3307.

34 On all earth sheltered structures a means must be provided
35 to restrict access to the roof area unless guardrails are
36 provided and the roof is designed for vehicular loads.

1 EXCEPTIONS:

2 1.-5. [Unchanged.]

3 6. Guardrails need not be provided on the auditorium side of
4 a stage or enclosed platform.

5 Section 1712(a) General. The provisions of this section
6 govern the requirements and uses of foam plastic in buildings
7 and structures. For trim, see Section 1705(e).

8 Except where otherwise noted in this section, all foam
9 plastics used in building construction must have a flame-spread
10 rating of not more than 75 and must have a smoke-developed
11 rating of not more than 450 when tested in the maximum thickness
12 intended for use in accordance with UBC Standard No. 42-1. All
13 packages and containers of foam plastic and foam plastic
14 ingredients must bear the label of an approved agency showing
15 either the flame-spread rating and smoke-developed rating of the
16 product at the thickness tested or the use for which the product
17 has been listed. The interior of the building must be separated
18 from the foam plastic by an approved thermal barrier having an
19 index of 15 when tested over calcium silicate board in
20 accordance with UBC Standard No. 17-3 or protected from the
21 interior of the building by a thermal barrier of one-half inch
22 gypsum wallboard. The thermal barrier must be installed in such
23 a manner that it will remain in place for the time of its index
24 classification based upon approved diversified tests.

25 Section 1807(h) of the UBC is amended to read as follows:

26 UBC Section 1807(h) Elevators. Elevators and elevator
27 lobbies must comply with the provisions of 2 MCAR SS
28 1.18801-1.18806 and the following:

29 NOTE: A bank of elevators is a group of elevators or a
30 single elevator controlled by a common operating system; that
31 is, all those elevators which respond to a single call button
32 constitute a bank of elevators. There is no limit on the number
33 of cars which may be in a bank or group but there may not be
34 more than four cars within a common hoistway.

35 1. Elevators on all floors must open into elevator
36 lobbies which are separated from the remainder of the building,

1 including corridors and other exits, by walls extending from the
2 floor to the underside of the fire-resistive floor or roof
3 above. The walls must be of not less than one-hour
4 fire-resistive construction. Openings through the walls must
5 conform to UBC Section 3305(h).

6 EXCEPTION: This requirement does not apply to:

7 (1) the main entrance level elevator lobby in an
8 office building; or

9 (2) an elevator lobby located in an atrium which
10 complies with UBC Section 1715.

11 2. [Unchanged.]

12 4.-5. [Renumber 4.-5. as 3.-4.]

13 Section 2303(a) of the UBC is amended to read as follows:
14 [amendment unchanged.]

15 Section 2305(d) of the UBC is amended to read as follows:
16 [amendment unchanged.]

17 Section 2311(a) of the UBC is amended to read:

18 UBC Section 2311(a) General. Every building or structure
19 and every portion of a building or structure must be designed
20 and built to resist the wind effects determined in accordance
21 with the requirements of this section. Wind is presumed to come
22 from any horizontal direction. No reduction in wind pressure
23 may be taken for the shielding effect of adjacent structures.

24 Structures sensitive to dynamic effects, such as buildings
25 with a height-width ratio greater than five, structures
26 sensitive to wind-excited oscillations, such as vortex shedding
27 or icing, and buildings over 400 feet in height, must be, and
28 any structure may be, designed in accordance with approved
29 national standards.

30 The effect of one-half inch of radial ice must be included
31 in the design of open frame towers including all supporting
32 guys. This effect must include the weight of the ice and the
33 increased profile of each such tower component so coated.

34 Section 2312(a) of the UBC is amended to read as follows:
35 [amendment unchanged.]

36 Section 2403(e) of the UBC is amended to read as follows:

1 UBC Section 2403(e). Concrete Masonry Units. Concrete
2 masonry units must be of a quality at least equal to the
3 requirements set forth in UBC Standard No. 24-4 or No. 24-5 when
4 used for bearing walls or piers or when in contact with ground
5 or exposed to the weather; or equal to the requirements set
6 forth in UBC Standard No. 24-6 when used for nonbearing purposes
7 and not exposed to the weather. Solid units subject to the
8 action of weather or soil must be Grade N. Concrete masonry
9 units must be tested as set forth in UBC Standard No. 24-7.

10 Concrete masonry units used for walls below grade or for
11 other uses as determined by the designer are not subject to the
12 moisture control provisions of Table 24-4-A of UBC Standard 24-4.

13 Section 2416 of the UBC is amended by the addition of
14 paragraph (n) as follows:

15 UBC Section 2416(n). Alternate Design Method. The
16 specification for the Design and Construction of Load-Bearing
17 Concrete Masonry 8th Printing May, 1978, published by the
18 National Concrete Masonry Association may be used as an
19 alternate design method providing the following conditions are
20 satisfied.

21 1.-3. [Unchanged.]

22 Section 2501(a) of the UBC is amended to read as follows:

23 [amendment unchanged.]

24 Section 2510(h) of the UBC is amended to read as follows:

25 [amendment unchanged.]

26 Section 2907(a) of the UBC is amended to read as follows:

27 UBC Section 2907(a). General. Footings and foundation,
28 unless otherwise specifically provided, must be constructed of
29 masonry, concrete, or treated wood in conformance with UBC
30 Standard No. 29-3 and in all cases must extend below the frost
31 line. Footings of concrete and masonry must be of solid
32 material. Foundations supporting wood must extend at least six
33 inches above the adjacent finish grade. Footings must have a
34 minimum depth below finished grade for the zone as established
35 below unless another depth is recommended by a foundation
36 investigation.

1 1. In the absence of a determination by an engineer
2 competent in soil mechanics, the minimum allowable footing depth
3 in feet due to freezing is five feet in Zone I and three and
4 one-half feet in Zone II.

5 Zone I -- Includes the counties of: Aitkin, Becker,
6 Beltrami, Carlton, Cass, Clay, Clearwater, Cook, Crow Wing,
7 Douglas, Grant, Hubbard, Itasca, Kanabec, Kittson, Koochiching,
8 Lake, Lake of the Woods, Mahanomen, Marshall, Mille Lacs,
9 Morrison, Norman, Otter Tail, Pennington, Pine, Polk, Red Lake,
10 Roseau, St. Louis, Todd, Traverse, Wadena, and Wilkin.

11 Zone II -- [Unchanged.]

12 2. [Unchanged.]

13 UBC Section 3203(d) 3 is amended to read as follows:
14 [amendment unchanged.]

15 Section 3207(c) of the UBC is amended to read as follows:
16 [amendment unchanged.]

17 UBC Section 3304(a) is amended to read as follows:

18 UBC Section 3304. (a) General. This section applies to
19 every exit door serving an area having an occupant load of more
20 than ten or serving hazardous rooms or areas, except that
21 subsections (c), (h), and (i) apply to all exit doors regardless
22 of occupant load. Buildings or structures used for human
23 occupancy and each dwelling unit or guest room leased for gain
24 must have at least one exit door that meets the requirements of
25 subsection (e).

26 UBC Section 3305(h) 2. is amended by adding an exception 2
27 to read as follows:

28 EXCEPTION: [Unchanged.]

29 UBC Section 3321(b) is amended to read as follows:

30 UBC Section 3321(b). Minimum size of exits. Every exit
31 opening through which patients are transported on stretchers or
32 beds must be of sufficient width to permit the ready passage of
33 stretchers or beds but must have a clear width of not less than
34 44 inches, except as hereinafter provided. Exit openings in
35 Division 2 Occupancies must have a clear width of not less than
36 34 inches. There must be no projections within the required

1 clear widths.

2 UBC Section 3321(c) is amended to read as follows:

3 UBC Section 3321(c). Corridors. The minimum clear width
4 of a corridor must be 44 inches except as follows:

5 Corridors serving any Group I, Division 1 Occupancies must
6 be at least eight feet in width; corridors serving any Group I,
7 Division 2 Occupancies must be at least six feet in width.

8 There may be no change of elevation in a corridor serving
9 nonambulatory persons unless ramps are used.

10 In Group I, Division 3 Occupancies such as jails, prisons,
11 reformatories and similar buildings with open barred cells
12 forming corridor walls, the corridor and cell doors need not be
13 fire resistive.

14 UBC Table 33A is amended as follows:

15 Delete the right hand column entitled "Egress by means of a
16 ramp or elevator must be provided for the physically handicapped
17 as indicated."

18 Also delete footnotes 2, 3, 4, 5, 6, 8, 10, and 11.

19 UBC Section 3802 is amended by adding a section (h) as
20 follows:

21 UBC Section 3802(h) Special Automatic Fire Extinguishing
22 Systems. In all occupancies having commercial cooking equipment
23 (see NFPA No. 96-1976), automatic fire extinguishing systems
24 complying with UBC Standard 38-1 or NFPA No. 12-73 must be
25 installed for protection of duct systems, grease removal
26 devices, hoods and over commercial cooking equipment which may
27 be a source of ignition (such as fat fryers, ranges, griddles,
28 and boilers). Systems installed in accordance with the
29 following standards are also permitted.

30 1.-2. [Unchanged.]

31 EXCEPTION: [Unchanged.]

32 Section 3805(a) of the UBC is amended as follows:

33 UBC Section 3805(a) General. Standpipes must comply with
34 the requirements of this section and with UBC Standard 38-2,
35 amended as follows:

36 UBC Standard 38-2 Section 38.207(a) Assured Source

1 Required. Class I, Class II and Class III standpipe systems
2 must be provided with an approved source of water supply. With
3 prior approval of the Fire Chief, Class I standpipes systems may
4 be supplied only through a fire department connection.

5 UBC Table 38-A is amended as follows: [amendment
6 unchanged.]

7 UBC Section 4701(a) is amended to read as follows:
8 [amendment unchanged.]

9 UBC Sections 5001 to 5006 are amended to read as follows:
10 [amendments unchanged.]

11 UBC Sections 5101 to 5105 are amended to read as follows:

12 UBC Sections 5101 to 5105, Elevators, Dumbwaiters,
13 Escalators, Manlifts, Moving Walks, Hoists and Lifts are
14 deleted. Refer to 2 MCAR SS 1.18801-1.18806.

15 Section 6001 of the UBC is amended to read as follows:

16 UBC Section 6001. The UBC Standards which are referred to
17 in various parts of this code are the Uniform Building Code
18 Standards, 1982 Edition, and are a part of this code with the
19 following amendment:

20 UBC Section 6001, Chapter 25, 25-17 is amended to read as
21 follows:

22 Chapter 25, 25-17; 2510(a), 2510(b), 2510(c), 2510(d),
23 2510(e), 2510(h), 2514(b)1, 2514(b)2, 2516(j)1, 3203(c)4, Tables
24 Nos. 25-F, 25-G, 25-H and 47-H Timber Connector Joints, Bolted
25 Joints, Drift Bolts and Wood Screws, Lag Screws. National
26 Design Specification for Wood Construction (1977), National
27 Forest Products Association. Metal Plate Connected Wood Trusses
28 TPI-78, Truss Plate Institute. Nails and Staples, Federal
29 Specification No. FF-N-105B (March 17, 1971).

30 2 MCAR S 1.10112 Validity Clause. If any section, subsection,
31 sentence, clause, or phrase of this code is, for any reason,
32 held to be unconstitutional, that decision does not affect the
33 validity of the remaining portions of this code.

34 The Department of Administration would have adopted this
35 code and each section, subsection, clause, or phrase of this
36 code, whether or not any one or more sections, subsections,

1 sentences, clauses, and phrases is declared unconstitutional.

2

3 Renumbering. Renumber 2 MCAR S 1.0111 Table 17-B as 2 MCAR S

4 1.0111 Table 5-E.