

Section 3.7. Health Requirements

3.7.1. Height of Rooms

3.7.1.1. Room and Space Height

- 1) The height of every room and space shall be sufficient so that the ceiling or ceiling fixtures do not obstruct movement or activities below.
- 2) The unobstructed height in *dwelling units* shall conform to Subsection 9.5.3.

3.7.2. Plumbing Facilities

3.7.2.1. Plumbing and Drainage Systems

- 1) Except as permitted in Sentence (2), if the installation of a *sanitary drainage system* is not possible because of the absence of a water supply, sanitary privies, chemical closets or other means for the disposal of human waste shall be provided.
- 2) Waterless urinals are permitted to be used in *buildings* provided with a water supply.

3.7.2.2. Water Closets

- 1) Except as permitted by Sentence (4), water closets shall be provided for each sex assuming that the *occupant load* is equally divided between males and females, unless the proportion of each sex expected in the *building* can be determined with reasonable accuracy. (See Note A-3.7.2.2.(1).)
- 2) If a single universal washroom is provided in accordance with the requirements of Section 3.8., the total number of persons in the *building* used to determine the number of water closets to be provided, is permitted to be reduced by 10 before applying Sentence (6), (7), (8), (12), (13) or (14).
- 3) Except as permitted by Sentence (2), if only one universal washroom is provided in accordance with Section 3.8., the water closet in this room shall not be taken into consideration in determining the number of water closets required by this Article, unless a single water closet is permitted in accordance with Sentence (4).
- 4) Both sexes are permitted to be served by a single water closet if the *occupant load* in an *occupancy* referred to in Sentence (6), (10), (12), (13), (14) or (16) is not more than 10.
- 5) Urinals are permitted to be substituted for two thirds of the number of water closets required by this Article for males, except that if only 2 water closets are required for males, one urinal is permitted to be substituted for one of the water closets.
- 6) Except as permitted by Sentences (4), (7) and (8), the number of water closets required for *assembly occupancies* shall conform to Table 3.7.2.2.-A.

Table 3.7.2.2.-A
Water Closets for an Assembly Occupancy
 Forming Part of Sentence 3.7.2.2.(6)

Number of Persons of Each Sex	Minimum Number of Water Closets	
	Male	Female
1 - 25	1	1
26 - 50	1	2
51 - 75	2	3
76 - 100	2	4
101 - 125	3	5
126 - 150	3	6
151 - 175	4	7
176 - 200	4	8

Table 3.7.2.2.-A (continued)
Water Closets for an Assembly Occupancy
 Forming Part of Sentence 3.7.2.2.(6)

Number of Persons of Each Sex	Minimum Number of Water Closets	
	Male	Female
201 - 250	5	9
251 - 300	5	10
301 - 350	6	11
351 - 400	6	12
Over 400	7, plus 1 for each additional increment of 200 males in excess of 400	13, plus 1 for each additional increment of 100 females in excess of 400

7) The number of water closets required for primary schools and daycare facilities, including daycare facilities for children shall be at least one for each 30 males and one for each 25 females.

8) The number of water closets required for places of worship and undertaking premises shall be at least one for each 150 persons of each sex.

9) The number of water closets required for a *treatment* or *detention occupancy* shall be determined on the basis of the special needs of the *occupancy*.

10) Except as permitted by Sentences (4) and (7), the number of water closets required for a *care* or *residential occupancy* shall be at least one for each 10 persons of each sex.

11) At least one water closet shall be provided for each *dwelling unit*.

12) Except as permitted by Sentence (4), the number of water closets required for a *business and personal services occupancy* shall conform to Table 3.7.2.2.-B.

Table 3.7.2.2.-B
Water Closets for a Business and Personal Services Occupancy
 Forming Part of Sentences 3.7.2.2.(12) and (16)

Number of Persons of Each Sex	Minimum Number of Water Closets for Each Sex
1 - 25	1
26 - 50	2
Over 50	3, plus 1 for each additional increment of 50 persons of each sex in excess of 50

13) Except as permitted by Sentences (4) and (16), the number of water closets required for a *mercantile occupancy* shall be at least one for each 300 males and one for each 150 females.

14) Except as permitted by Sentence (4), the number of water closets required for an *industrial occupancy* shall conform to Table 3.7.2.2.-C.

Table 3.7.2.2.-C
Water Closets for an Industrial Occupancy
 Forming Part of Sentence 3.7.2.2.(14)

Number of Persons of Each Sex	Minimum Number of Water Closets for Each Sex
1 - 10	1
11 - 25	2
26 - 50	3
51 - 75	4
76 - 100	5
Over 100	6, plus 1 for each additional increment of 30 persons of each sex in excess of 100

15) In a *building* whose *floor area* is more than 600 m² and that includes one or more individual tenant spaces for a *business and personal services occupancy* or *mercantile occupancy*, water closets shall be located so that they are accessible to the public when the *building* is occupied.

16) The number of water closets required in a *suite of mercantile occupancy* whose area is not more than 500 m² is permitted to be determined in accordance with Table 3.7.2.2.-B based solely on the total number of staff.

3.7.2.3. Lavatories

1) Except as permitted by Sentence (2), at least one lavatory shall be provided in a room containing one or 2 water closets or urinals, and at least one additional lavatory shall be provided for each additional 2 water closets or urinals.

2) Wash fountains in circular form are permitted to be provided in lieu of lavatories required by Sentence (1) provided each 500 mm of circumference is considered to be the equivalent of one lavatory.

3) Any shelf or projection above a lavatory shall be located so that it will not be a hazard.

4) Lavatories required by Sentence (1) shall be equipped with faucets that

a) operate automatically, or

b) have a manual control that

i) complies with Clause 3.8.3.8.(1)(c),

ii) does not require the application of continuous force to maintain water flow, and

iii) where metered, provides at least 10 s of water flow.

3.7.2.4. Mobile Home Facilities

1) If mobile homes do not have individual sanitary facilities connected to a central water supply and drainage system, a service *building* shall be provided for public use.

2) The service *building* required by Sentence (1) shall contain

a) at least one water closet for each sex if the service *building* facilities serve not more than 10 mobile homes, and

b) an additional water closet for each sex for each additional 10 mobile homes.

3) If a service *building* is required by Sentence (1), it shall contain lavatories as required by Sentence 3.7.2.3.(1) and at least

a) one laundry tray or similar facility, and

b) one bathtub or shower for each sex.

3.7.2.5. Safety Glass

1) Glass, other than safety glass, shall not be used for a shower or bathtub enclosure.

3.7.2.6. Surface Protection

1) Wall and floor surfaces below the uppermost surfaces of a urinal shall be protected from deterioration by impervious and durable material for a distance from the urinal to a point not less than 900 mm from the projected outline of the urinal on to the wall or floor.

2) Floor surfaces around a water closet shall be protected from deterioration by an impervious and durable material for a distance not less than 900 mm from the projected outline of the water closet on the floor.

3.7.2.7. Floor Drain

1) A floor drain shall be installed in a washroom containing a urinal equipped with an automatic flushing device.

3.7.2.8. Grab Bars

1) Grab bars shall

a) be slip-resistant and free of any sharp or abrasive elements,

b) be mounted on surfaces that are free of any sharp or abrasive elements,

- c) be able to resist a load of not less than 1.3 kN applied vertically or horizontally,
- d) be 30 mm to 40 mm in diameter, and
- e) where mounted on a wall, have a clearance of 35 mm to 45 mm from the wall.

3.7.2.9. Bathtubs

- 1) Where a bathtub is installed in a hotel or a motel, it shall
 - a) have a clear floor space at least 750 mm wide along its length, except that a water closet and a lavatory are permitted to project into this space provided they do not restrict access to the bathtub,
 - b) have faucets and other controls that conform to Clause 3.8.3.8.(1)(c),
 - c) have a slip-resistant bottom surface,
 - d) have grab bars that
 - i) conform to Sentence 3.7.2.8.(1),
 - ii) are not less than 1 200 mm long located vertically at the end of the bathtub that is adjacent to the clear floor space, with the lower end between 180 mm and 280 mm above the bathtub rim, and
 - iii) are not less than 1 200 mm long located horizontally along the length of the bathtub at 180 mm to 280 mm above the bathtub rim, and
 - e) be capable of being accessed along its full length with no tracks mounted on the bathtub rim.

3.7.2.10. Accessible Washrooms

- 1) Where washrooms, baths or showers are required to be accessible, they shall conform to Subsection 3.8.3. (See Note A-3.8.)

3.7.3. Medical Gas Piping Systems

3.7.3.1. Medical Gas Piping

- 1) If a non-flammable medical gas piping system is installed, it shall be installed in conformance with
 - a) CSA Z7396.1, “Medical Gas Pipeline Systems – Part 1: Pipelines for Medical Gases, Medical Vacuum, Medical Support Gases, and Anaesthetic Gas Scavenging Systems,” and
 - b) Part 3 of Division B of the British Columbia Fire Code.