

Regulation Outline

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Under section 59 of the *Community Planning Act*, the Lieutenant-Governor in Council makes the following Regulation:

Citation

1 This Regulation may be cited as the *Barrier-Free Design Building Code Regulation - Community Planning Act*.

Definitions

2 The following definitions apply in this Regulation.

“Act” means the *Community Planning Act*. (*Loi*)

“Code” means the National Building Code of Canada 2005. (*Code*)

“tourist establishment” means a tourist establishment defined in the *Tourism Development Act, 2008*.

“tourist home” means a tourist home defined in New Brunswick Regulation 2008-141 under the *Tourism Development Act, 2008*.

Approval of building code

3 For the purposes of subsection 59(6) of the Act, the Lieutenant-Governor in Council approves the Barrier-Free Design Building Code, as set out in Schedule 1, supplementary to the National Building Code.

Interpretation

4 Subject to the Act, any words, expressions, symbols or abbreviations defined in the Code apply to this Regulation.

Numbering

5 The structure of the numbering system of the building code as set out in Schedule 1 is as follows:

1	Part
1.2.	Section
1.2.3.	Subsection
1.2.3.4.	Article

1.2.3.4.(5)	Sentence
1.2.3.4.(5)(a)	Clause
1.2.3.4.(5)(a)(i)	Subclause

Commencement

6 *This Regulation comes into force on September 1, 2011.*

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SCHEDULE 1**3. Barrier-Free Design Building Code****3.8. Barrier-Free Design****3.8.1. General****3.8.1.1. Application**

(See Appendix A of the Code.)

(1) The requirements of this Section apply to all buildings except

- a) houses, including semi-detached houses, duplexes, triplexes, town houses, row houses and boarding houses,
- b) buildings of Group F, Division 1 major occupancy,
- c) buildings that are not intended to be occupied on a daily or full-time basis, including automatic telephone exchanges, pumphouses and substations,
- d) tourist homes of not more than ten sleeping units, including units used by the owner and the owner's family, which have been granted a licence, privilege or concession by the Minister of Tourism and Parks under the *Tourism Development Act, 2008*,
- e) industrial occupancies with an operation that is not adaptable to barrier-free design, and
- f) fire, rescue and emergency response facilities intended to house vehicles and their crews.

(2) In a tourist establishment, one sleeping unit conforming to Article 3.8.3.18. shall be provided for every 20 sleeping units or part thereof.

(3) In a tourist establishment, when a fire alarm system is required by Sub-section 3.2.4. or 9.10.8. of the Code, at least one sleeping unit for every 20 sleeping units or part thereof, other than those required in Sentence (2), shall

be provided with a warning system that shall conform to Article 3.2.4.19. of the Code.

(4) Every floor area to which a barrier-free path of travel is required to provide access shall conform to Article 3.3.1.7. of the Code.

(5) Subject to Clause (1)(d), where alterations on the entrance level are made to add a sleeping unit to a tourist home, the alterations shall include

a) one sleeping unit conforming to Article

3.8.3.18.,

b) a barrier-free entrance designed in accordance with Article 3.8.3.3.,

c) a barrier-free path of travel conforming to Article 3.8.1.3., and

d) one parking stall for each required sleeping unit under this Sentence conforming with Sentence 3.8.2.2.(5).

(6) Subject to Clause (1)(a), in a residential occupancy of multiple suites, one unit conforming to Article 3.8.3.18. shall be provided for every 20 units or part thereof. (See Appendix A of the Code.)

3.8.1.2. Entrances

(See Appendix A of the Code.)

(1) In addition to the barrier-free entrances required by Sentence (2), not less than 50% of the pedestrian entrances of a building referred to in Sentence 3.8.

1.1.(1) shall be barrier-free and shall lead from

a) the outdoors at sidewalk level, or

b) a ramp that conforms to Article 3.8.3.4. and leads from a sidewalk.

(2) A suite of assembly occupancy, business and personal services occupancy or mercantile occupancy that is located in the first storey of a building, or in a storey to which a barrier-free path of travel is provided, and that is

completely separated from the remainder of the building so that there is no access to the remainder of the building, shall have at least one barrier-free entrance.

(3) A barrier-free entrance required by Sentences (1) or (2) shall be designed in accordance with Article 3.8.3.3.

(4) At a barrier-free entrance that includes more than one doorway, only one of the doorways is required to be designed in accordance with the requirements of Article 3.8.3.3.

(5) If a walkway or pedestrian bridge connects two barrier-free storeys in different buildings, the path of travel from one storey to the other storey by means of the walkway or bridge shall be barrier-free.

(6) Where a principal entrance to a building of residential occupancy is equipped with a security door system,

- a) both visual and audible signals shall be used to indicate when the door lock is released, and
- b) if there are more than 20 suites, a closed circuit visual monitoring system shall be provided capable of connection to individual suites.

(7) If a house is required to conform to the requirements of Sentence 3.8.1.1.(5), the house shall provide one barrier-free entrance in conformance with Sentence (1).

3.8.1.3. Barrier-Free Path of Travel

(1) Except as required in this Building Code, in Part 3 of the Code or as permitted by Article

3.8.3.3. pertaining to doorways, the unobstructed width of a barrier-free path of travel shall be not less than 920 mm.

(2) Interior and exterior walking surfaces that are within a barrier-free path of travel shall

- a) have no opening that will permit the passage of a sphere more than 13 mm diameter,
- b) have any elongated openings oriented approximately perpendicular to the direction of travel,
- c) be stable, firm and slip-resistant,
- d) be bevelled at a maximum slope of 1 in 2 at changes in level not more than 13 mm, and
- e) be provided with sloped floors or ramps at changes in level more than 13 mm.

(3) A barrier-free path of travel is permitted to include ramps, passenger elevators or other platform-equipped passenger-elevating devices to overcome a difference in level.

(4) The width of a barrier-free path of travel that is more than 30 m long shall be increased to not less than 1 500 mm for a length of 1 500 mm at intervals not exceeding 30 m.

3.8.1.4. Access to Storeys Served by Escalators and Moving Walks

(1) In a building in which an escalator or inclined moving walk provides access to any floor level above or below the entrance floor level, an interior barrier-free path of travel shall be provided to that floor level. (See Appendix A of the Code.)

(2) The route from the escalator or inclined moving walk to the barrier-free path of travel that leads from floor to floor as required by Sentence (1) shall be clearly indicated by appropriate signs.

3.8.1.5. Controls

(1) Subject to Sentence 3.5.2.1.(3) of the Code regarding elevators, controls for the operation of building services or safety devices, including electrical switches, thermostats and intercom switches, that are intended to be operated by the occupant and are located in or adjacent to a barrier-free path of travel shall be accessible to a person in a wheelchair, operable with one hand and mounted between 400 mm and 1 200 mm above the floor.

3.8.2. Occupancy Requirements

3.8.2.1. Areas Requiring a Barrier-Free Path of Travel

(See Appendix A of the Code.)

(1) Subject to Sentence (2), a barrier-free path of travel from the entrances required by Sentences 3.8.1.2.(1) and (2) to be barrier-free shall be provided throughout and within all normally occupied floor areas of

- a) the entrance storey,
- b) each storey exceeding 600 m² in area, and
- c) each storey served by a passenger elevator, escalator, inclined moving walk or other platform-equipped passenger-elevating device.

(2) A barrier-free path of travel for persons in wheelchairs is not required

- a) to service rooms,
- b) to elevator machine rooms,
- c) to janitor's rooms,
- d) to service spaces,
- e) to crawl spaces,
- f) to attic or roof spaces,

- g) to floor levels not served by a passenger elevator, a platform-equipped passenger-elevating device, an escalator, or an inclined moving walk,
 - h) to high-hazard industrial occupancies,
 - i) within portions of a floor area with fixed seats in an assembly occupancy where those portions are not part of the barrier-free path of travel to spaces designated for wheelchair use,
 - (j) within floor levels of a suite of residential occupancy that are not at the same level as the entry level to the suite,
 - k) within a suite of residential occupancy not required by Sentence 3.8.1.1.(6),
 - l) within those parts of a floor area that are not at the same level as the entry level, provided amenities and uses provided on any raised or sunken level are accessible on the entry level by means of a barrier-free path of travel.
- (3) In an assembly occupancy, the number of spaces designated for wheelchair use within rooms or areas with fixed seats shall conform to Table 3.8.2.1. (See also Article 3.8.3.6. for additional requirements.)

Table 3.8.2.1.

Designated Wheelchair Spaces

Forming Part of Sentence 3.8.2.1.(3)

Number of Fixed Seats in Seating Area	Number of Spaces Required for Wheelchairs
2-100	2
101-200	3
201-300	4
301-400	5

401-500	6
501-900	7
901-1300	8
1301-1700	9
each increment of up to 400 seats in excess of 1700	one additional space

3.8.2.2. Access to Parking Areas

(See Appendix A of the Code.)

(1) If exterior parking is provided, a barrier-free path of travel shall be provided between the exterior parking area and a barrier-free entrance conforming to Article 3.8.1.2. (See Appendix A of the Code.)

(2) If a passenger elevator serves one or more indoor parking levels, a barrier-free path of travel shall be provided between at least one parking level and all other parts of the building required to be provided with barrier-free access in accordance with Article 3.8.2.1.

(3) If an exterior passenger loading zone is provided, it shall have

- a) an access aisle not less than 1 500 mm wide and 6 000 mm long adjacent and parallel to the vehicle pull-up space,
- b) a curb ramp conforming to Article 3.8.3.2.(2), if there are curbs between the access aisle and the vehicle pull-up space, and

c) a clear height of not less than 2 750 mm at the pull-up space and along the vehicle access and egress routes.

(4) If on-site parking is provided, a parking stall for use by persons with disabilities shall have

- a) the number of designated stalls required by Table 3.8.2.2.,
- b) one parking stall for each viewing position required in assembly occupancies in Sentence 3.8.2.1.(3), or
- c) one parking stall provided for each barrier free residential suite.

(5) Parking stalls for use by persons with physical disabilities shall

- a) be not less than 2 600 mm wide and provided on one side with an access aisle not less than 2 000 mm wide (if more than one parking space is provided for persons with physical disabilities, a single access aisle can serve two adjacent parking stalls), and parallel parking stalls shall be not less than 7 500 mm long,
- b) have a firm, slip-resistant and level surface of asphalt, concrete or compacted gravel,
- c) be located not more than 50 m from an entrance required to conform to Article 3.8.1.3,
- d) be clearly marked as being for the use of persons with physical disabilities, and
- e) be identified by a sign that conforms to CSA B651-04, “Accessible Design for the Built Environment”.

Subdivision Table 3.8.2.2.**Designated Parking Stalls**

Number of Parking Stalls	Number of Designated Stalls Required for Wheelchairs
2-15	1
16-45	2
46-100	3
101-200	4
201-300	5
301-400	6
401-500	7
501-900	8
901-1300	9
1301-1700	10
each increment of up to 400 stalls in excess of 1700	one additional space

3.8.2.3. Washrooms Required to be Barrier-Free

(See Appendix A of the Code.)

(1) Subject to Sentence (2), a washroom in a storey to which a barrier-free path of travel is required in accordance with Article 3.8.2.1. shall be barrier-

free in accordance with the appropriate requirements in Articles 3.8.3.8. to 3.8.3.12.

(2) A washroom need not conform to the requirements of Sentence (1) provided

- a) it is located within a suite of residential occupancy, except where required by Sentence 3.8.1.1.(6),
- b) other barrier-free washrooms are provided on the same floor area within 45 m, or
- c) it is located in an individual suite that is
 - (i) used for a business and personal services occupancy, a mercantile occupancy or an industrial occupancy,
 - (ii) less than 500 m² in area, and
 - (iii) completely separated from, and without access to, the remainder of the building.

(3) In a building in which water closets are required in accordance with Subsection 3.7.2. of the Code, at least one barrier-free water closet shall be provided in the entrance storey, unless

- a) a barrier-free path of travel is provided to barrier-free water closets elsewhere in the building, or
- b) the water closets required by Subsection 3.7.2. of the Code are for dwelling units only.

(4) If alterations are made to an existing building, universal toilet rooms conforming to Article 3.8.3.12. are permitted to be provided in lieu of facilities for persons with physical disabilities in washrooms used by the general public.

(5) In any washroom containing not more than three water closets, one of the water closet stalls may be replaced by a universal toilet room conforming to Article 3.8.3.12.

(6) In any washroom containing four or more water closets, at least one of the water closets shall conform to Sentence 3.8.3.8.(1).

(7) A universal toilet room conforming to Article 3.8.3.12. is permitted to be substituted for one water closet required by Sentence (6), in lieu of facilities for disabled persons in washrooms used by the general public.

3.8.3. Design Standards

3.8.3.1. Accessibility Signs

(1) Signs incorporating the international symbol of accessibility for persons with physical disabilities shall be installed to indicate the location of a barrier-free entrance. (See Appendix A of the Code.)

(2) A teletypewriter (TTY/TDD) phone, washroom, shower, elevator or parking space designed to be barrier-free shall be identified by a sign consisting of the international symbol of accessibility for persons with physical disabilities and by appropriate graphic or written directions to indicate clearly the type of facility available. (See Appendix A of the Code.)

(3) If a washroom is not designed to accommodate persons with physical disabilities in a storey to which a barrier-free path of travel is required, signs shall be provided to indicate the location of barrier-free facilities. (See Appendix A of the Code.)

(4) Signs incorporating the symbol of accessibility for persons with hearing disabilities shall be installed to indicate the location of facilities for persons with hearing disabilities. (See Appendix A of the Code.)

3.8.3.2. Exterior Walks

(1) Exterior walks that form part of a barrier-free path of travel shall

- a) have a slip-resistant, continuous and even surface,
- b) be not less than 1 100 mm wide, and
- c) have a level area conforming to Clause 3.8.3.4.(1)(c) adjacent to each entrance doorway.

(2) A curb ramp shall have

- a) a minimum width of 1 200 mm,
- b) a maximum slope of 1 in 12, and
- c) flared sides with a maximum slope of 1 in 10.

3.8.3.3. Doorways and Doors

(1) Every doorway that is located in a barrier-free path of travel shall have a clear width not less than 800 mm when the door is in the open position. (See Appendix A of the Code.)

(2) Doorways in a path of travel to at least one bathroom within a suite of residential occupancy shall have a clear width not less than 800 mm when the doors are open. (See Appendix A of the Code.)

(3) Door operating devices shall be of a design that does not require tight grasping and twisting of the wrist as the only means of operation. (See Appendix A of the Code.)

(4) A threshold for a doorway referred to in Sentences (1) and (2) shall not be more than 13 mm higher than the finished floor surface and shall be bevelled to facilitate the passage of wheelchairs.

(5) Subject to Sentences (6) and (12), every door that provides a barrier-free path of travel through an entrance referred to in Article 3.8.1.2. shall be

equipped with a power door operator that allows persons to activate the opening of the door from either side if the entrance serves

- a) a hotel,
- b) a building of Group B, Division 2 major occupancy, or
- c) a building of Group A, D or E major occupancy more than 500 m² in building area.

(See Appendix A of the Code)

(6) The requirements of Sentence (5) do not apply to an individual suite having an area less than 500 m² in a building having only suites of assembly occupancy, business and personal services occupancy or mercantile occupancy if the suite is completely separated from the remainder of the building so that there is no access to the remainder of the building.

(7) Subject to Sentence (8) and except for a door with a power door operator, a closer for a door in a barrier-free path of travel shall be designed to permit the door to open when the force applied to the handle, push plate or latch releasing device is not more than

- a) 38 N in the case of an exterior door, or
- b) 22 N in the case of an interior door.

(8) Sentence (7) does not apply to a door at the entrance to a dwelling unit, or where greater forces are required in order to close and latch the door against the prevailing difference in air pressure on opposite sides of the door. (See Appendix A of the Code.)

(9) Except for a door at the entrance to a dwelling unit, a closer for an interior door in a barrier-free path of travel shall have a closing period of not less than 3 s measured from when the door is in an open position of 70° to the doorway,

to when the door reaches a point 75 mm from the closed position, measured from the leading edge of the latch side of the door. (See Appendix A of the Code.)

(10) Unless equipped with a power door operator, a door in a barrier-free path of travel shall have a clear space on the latch side extending the height of the doorway and not less than

- a) 600 mm beyond the edge of the door opening if the door swings toward the approach side, and
- b) 300 mm beyond the edge of the door opening if the door swings away from the approach side.

(See Appendix A of the Code.)

(11) A vestibule located in a barrier-free path of travel shall be arranged to allow the movement of wheelchairs between doors and shall provide a distance between two doors in series of not less than 1 200 mm plus the width of any door that swings into the space in the path of travel from one door to another.

(12) Only the active leaf in a multiple leaf door in a barrier-free path of travel need conform to the requirements of this Article.

(13) Subject to Clause 3.8.3.4.(1)(c), the floor surface on each side of a door in a barrier-free path of travel shall be level within a rectangular area

- a) as wide as the door plus the clearance required on the latch side by Sentence 3.8.3.3.(10), and
- b) whose dimension perpendicular to the closed door is not less than the width of the barrier-free path of travel but need not exceed 1 500 mm.

(14) The power door operator required by Sentence (5) shall function for passage in both directions through the door.

(15) Where a power door operator is required, at least one leaf in each set of doors in the barrier-free path of travel through a vestibule shall meet the requirements.

3.8.3.4. Ramps

(1) A ramp located in a barrier-free path of travel shall

- a) have a width not less than 870 mm between handrails,
- b) have a slope not more than 1 in 12 (See Appendix A of the Code),
- c) have a level area not less than 1 500 mm by 1 500 mm at the top and bottom and at intermediate levels of a ramp leading to a door, so that on the latch side the level area extends not less than
 - (i) 600 mm beyond the edge of the door opening where the door opens towards the ramp, or
 - (ii) 300 mm beyond the edge of the door opening where the door opens away from the ramp (See Appendix A of the Code),
- d) have a level area not less than 1 200 mm long and at least the same width as the ramp
 - (i) at intervals not more than 9 m along its length, and
 - (ii) where there is an abrupt change in the direction of the ramp, and
- e) subject to Sentence (2), be equipped with handrails and guards conforming to Articles 3.4.6.4. and 3.4.6.5. of the Code.

(2) The requirement for handrails in Clause (1)(e) need not apply to a ramp serving as an aisle for fixed seating.

(3) Floors or walks in a barrier-free path of travel having a slope steeper than 1 in 20 shall be designed as ramps.

3.8.3.5. Passenger-elevating devices

(1) A passenger-elevating device referred to in Article 3.8.2.1. shall conform to CAN/CSA-B355, "Lifts for Persons with Physical Disabilities."

3.8.3.6. Spaces in Seating Area

(1) Spaces designated for wheelchair use referred to in Sentence 3.8.2.1.(3) shall be

- a) clear and level, or level with removable seats,
- b) not less than 900 mm wide and 1 525 mm long to permit a wheelchair to enter from a side approach and 1 220 mm long where the wheelchair enters from the front or rear of the space,
- c) arranged so that at least two designated spaces are side by side,
- d) located adjoining a barrier-free path of travel without infringing on egress from any row of seating or any aisle requirements, and
- e) situated, as part of the designated seating plan, to provide a choice of viewing location and a clear view of the event taking place.

3.8.3.7. Assistive Listening Devices

(See Appendix A of the Code.)

(1) Subject to Sentence (2), in a building of assembly occupancy, all classrooms, auditoria, meeting rooms, churches or places of worship and theatres with an area of more than 100 m², as well as all courtrooms, shall be equipped with an assistive listening system encompassing the entire seating area.

(2) If the assistive listening system required by Sentence (1) is an induction loop system, only half the seating area in the room need be encompassed.

3.8.3.8. Water Closet Stalls

(1) At least one water closet stall or enclosure in a washroom required by Article 3.8.2.3. to be barrier-free shall

a) be not less than 1 500 mm wide by 1 500 mm deep,

b) be equipped with a door that

(i) can be latched from the inside with a closed fist,

(ii) provides a clear opening not less than 800 mm wide when it is open,

(iii) swings outward, unless sufficient room is provided within the stall or enclosure to permit the door to be closed without interfering with the wheelchair (See Appendix A of the Code),

(iv) is provided on the inside with a door pull not less than 140 mm long located so that its midpoint is not less than 200 mm and not more than 300 mm from the hinged side of the door and not less than 900 mm and not more than 1 000 mm above the floor (See Appendix A of the Code), and

(v) is provided with a door pull on the outside, near the latch side of the door,

c) have a water closet located so that its centre line is 460 mm from the wall with the grab bar and 1 030 mm from any obstruction on the other side wall,

d) be equipped with grab bars that

(i) are mounted horizontally on the side wall closest to the water closet and shall extend not less than 450 mm in both directions from the most forward point of the water closet (See Appendix A of the Code),

- (ii) if the water closet does not have an attached water tank are at least 600 mm in length, mounted horizontally on the wall behind the water closet and centred on the toilet bowl,
 - (iii) are mounted not less than 840 mm and not more than 920 mm above the floor,
 - (iv) are installed to resist a load of not less than 1.3 kN applied vertically or horizontally,
 - (v) are not less than 30 mm and not more than 40 mm in diameter, and
 - (vi) have a clearance of not less than 35 mm and not more than 45 mm from the wall,
- e) be equipped with a coat hook mounted not more than 1 200 mm above the floor on a side wall and projecting not more than 50 mm from the wall, and
- f) have a clearance of not less than 1 700 mm between the outside of the stall face and the face of an in-swinging washroom door and 1 400 mm between the outside of the stall face and any wall-mounted fixture.

3.8.3.9. Water Closets

- (1) A water closet for a person with physical disabilities shall
- a) be equipped with a seat located not less than 400 mm and not more than 460 mm above the floor,
 - b) be equipped with hand-operated flushing controls that are easily accessible to a wheelchair user or be automatically operable,
 - c) be equipped with a seat lid or other back support,
 - d) not have a spring-actuated seat, and

e) be located so that its centre line is 460 mm from the wall with the grab bar and 1030 mm from any obstruction on the other side wall.

(See Appendix A of the Code.)

3.8.3.10. Urinals

(1) If urinals are provided in a barrier-free washroom, at least one urinal shall be

- a) wall mounted, with the rim located between 488 mm and 512 mm above the floor, or
- b) floor mounted, with the rim level with the finished floor.

(2) The urinal described in Sentence (1) shall have

- a) a clear width of approach of 800 mm centred on the urinal,
- b) no step in front, and
- c) installed on each side a vertically mounted grab bar that is not less than 300 mm long, with its centerline 1 000 mm above the floor, and located not more than 380 mm from the centerline of the urinal.

3.8.3.11. Lavatories

(1) A barrier-free washroom shall be provided with a lavatory that

- a) is located so that the distance between the centreline of the lavatory and the side wall is not less than 460 mm,
- b) has a rim height not more than 865 mm above the floor,
- c) has a clearance beneath the lavatory not less than
 - (i) 760 mm wide,
 - (ii) 735 mm high at the front edge,
 - (iii) 685 mm high at a point 205 mm back from the front edge, and

(iv) 230 mm high over the distance from a point 280 mm to a point 430 mm back from the front edge,

(See Appendix A of the Code),

d) has insulated pipes where they would otherwise present a burn hazard (See Appendix A of the Code),

e) has a soap dispenser located close to the lavatory, not more than 1 200 mm above the floor and accessible to persons in wheelchairs,

f) has a towel dispenser or other hand-drying equipment located close to the lavatory, not more than 1 200 mm above the floor in an area that is accessible to persons in wheelchairs, and

g) has faucets and other controls that are automatically activated or have lever-type handles that are at least 75 mm long from the centre of rotation to the handle tip and are not spring-loaded.

(2) If mirrors are provided in a barrier-free washroom, at least one mirror shall be

a) mounted with its bottom edge not more than 1 m above the floor, or

b) inclined to the vertical to be usable by a person in a wheelchair.

3.8.3.12. Universal Toilet Rooms

(See Appendix A of the Code.)

(1) A universal toilet room shall

a) be served by a barrier-free path of travel,

b) have a door capable of being locked from the inside and released from the outside in case of emergency and having

- (i) a latch operating mechanism that is operable with a closed fist, located not less than 900 mm and not more than 1 000 mm above the floor,
 - (ii) if it is an outward swinging door, a door pull not less than 140 mm long located on the inside so that its midpoint is not less than 200 mm and not more than 300 mm from the hinged side of the door and not less than 900 mm and not more than 1 000 mm above the floor (See A-3.8.3.8.(1)(b)(iv) in Appendix A of the Code), and
 - (iii) if it is an outward swinging door, a door closer, spring hinges or gravity hinges, so that the door closes automatically,
- c) have one lavatory conforming to Article 3.8.3.11.,
- d) have one water closet conforming to the requirements of Article 3.8.3.9. that has clearance to the walls of
- (i) not less than 285 mm and not more than 305 mm on one side, and
 - (ii) not less than 875 mm on the other side,
- e) have grab bars conforming to Clause 3.8.3.8.(1)(d),
- f) have no internal dimension between the walls that is less than 1700 mm,
- g) have a coat hook conforming to Clause 3.8.3.8.(1)(e) and a shelf or counter at least 200 mm by 400 mm located not more than 1 200 mm above the floor,
- h) be designed to permit a wheelchair to back in alongside the water closet in the space referred to in Subclause (d)(ii), and
- i) be designed to permit a wheelchair to turn in an open space not less than 1 500 mm in diameter.

3.8.3.13. Showers

(1) Except within a suite of residential occupancy, where showers are provided in a building, at least one shower stall in each group of showers shall be barrier-free and shall

- a) be not less than 1 500 mm wide and 900 mm deep,
- b) have a clear floor space at the entrance to the shower not less than 900 mm deep and the same width as the shower, except that fixtures are permitted to project into that space provided they do not restrict access to the shower (See Appendix A of the Code),
- c) have a slip-resistant floor surface,
- d) have a bevelled threshold not more than 13 mm higher than the finished floor,
- e) have a hinged seat that is not spring-loaded or a fixed seat, the seat being
 - (i) not less than 450 mm wide and 400 mm deep,
 - (ii) mounted approximately 450 mm above the floor, and
 - (iii) designed to carry a minimum load of 1.3 kN,
- f) have a horizontal grab bar conforming to Subclauses 3.8.3.8.(1)(d)(iv), (v) and (vi) that is (See Appendix A of the Code)
 - (i) not less than 900 mm long,
 - (ii) mounted between 800 mm and 900 mm above the floor, and
 - (iii) located on the wall opposite the entrance to the shower so that not less than 300 mm of its length is at one side of the seat,
- g) have a pressure-equalizing or thermostatic mixing valve controlled by a lever or other device operable with a closed fist from the seated position,

- h) have a handheld shower head with not less than 1 500 mm of flexible hose located so that it can be reached from the seated position and equipped with a holder so that it can operate as a fixed shower head, and
- i) have fully recessed soap holders that can be reached from the seated position.

(2) If individual shower stalls are provided for use by residents and patients in buildings of Group B, Division 2 care or detention occupancy, showers shall conform to the requirements of Clauses (1)(a) to (i) except where

- a) common showers are provided in conformance with Clauses (1)(a) to (i), or
- b) common bathtubs equipped with hoist mechanisms to accommodate residents and patients are available.

3.8.3.14. Counters

(1) Every counter more than 2 m long, at which the public is served, shall have at least one barrier-free section not less than 760 mm long centred over a knee space conforming to Sentence (3). (See Appendix A of the Code.) (See also A-3.8.2.1 in Appendix A of the Code.)

(2) A barrier-free counter surface shall be not more than 865 mm above the floor.

(3) Subject to Sentence (4), the knee space beneath a barrier-free counter intended to be used as a work surface shall be not less than

- a) 760 mm wide,
- b) 685 mm high, and
- c) 485 mm deep.

(4) A counter that is used in a cafeteria, or one that performs a similar function in which movement takes place parallel to the counter, need not provide a knee space underneath the counter.

3.8.3.15. Shelves or Counters for Telephones and TTY/TDD Telephone Services

(See Appendix A of the Code.)

(1) If built-in shelves or counters are provided for public telephones, they shall be level and shall

a) be not less than 305 mm deep, and

b) have, for each telephone provided, a clear space not less than 250 mm wide having no obstruction within 250 mm above the surface.

(2) The top surface of a section of the shelf or counter described in Sentence (1) serving at least one telephone shall be not more than 865 mm above the floor.

(3) If a wall-hung telephone is provided above the shelf or counter section described in Sentence (2), it shall be located so that the receiver and coin slot are not more than 1 200 mm above the floor.

(4) Where public telephones are provided, at least one telephone shall be provided with a variable volume control capable of a minimum 12 dbA and a maximum 18 dbA above normal on the receiver and at least one built-in teletypewriter telephone (TTY).

(5) At least one built-in teletypewriter telephone (TTY/TDD) shall be provided and located in a publicly accessible location where

a) four or more public access telephones are provided, including interior and exterior locations,

- b) the building area exceeds 600 m² in a hotel or motel, or in a Group A, Group B, Group D or Group E occupancy,
- c) a hotel or motel is required by Sentence 3.8.1.1.(2) to provide a barrier-free suite, or
- d) a tourist establishment is required by Sentence 3.8.1.1.(2) to provide barrier-free suites, in which case a cell phone with text messaging capabilities or other portable unit is also sufficient if available for use.

(6) Where public telephones are provided, at least one electrical receptacle shall be provided within 500 mm of one of the public telephones.

3.8.3.16. Drinking Fountains

- (1) If drinking fountains are provided, at least one shall be barrier-free and shall
- a) have a spout located near the front of the unit not more than 915 mm above the floor, and
 - b) be equipped with controls that are easily operable from a wheelchair using one hand with a force of not more than 22 N or be automatically operable.

3.8.3.17. Bathtubs

- (1) If a bathtub is installed in a suite of residential occupancy required to be barrier-free, it shall
- a) be located in a room complying with the dimensions stated in Sentence 3.8.3.12.(1),
 - b) conform to Article 3.7.2.9. of the Code, and
 - c) be equipped with a handheld shower head conforming to Clause 3.8.3.13.(1)(h) but with no less than 1 800 mm of flexible hose.

3.8.3.18. Sleeping Units in Roofed Accommodation

- (1) If sleeping units suites are required by Sentence 3.8.1.1.(2), they shall have
- a) sufficient space to provide a turning area of not less than 1 500 mm diameter on one side of a bed,
 - b) sufficient space to provide clearance of not less than 900 mm to allow for functional use of units by persons in wheelchairs,
 - c) an accessible balcony if a balcony is provided,
 - d) at least one closet that provides
 - (i) a minimum clear opening of 900 mm,
 - (ii) clothes hanger rods located at a height of 1 200 mm, and
 - (iii) at least one shelf located at a height of 1 370 mm,
 - e) light switches, thermostats and other controls that are provided for use by the occupant are to be mounted not more than 1 375 mm above the floor,
 - f) electrical receptacles located between 455 mm and 550 mm above the finished floor,
 - g) a GFI razor outlet located not more than 1 200 mm above the floor, and
 - h) an accessible bathroom designed to provide manoeuvring space up to each type of fixture required to be usable by persons in a wheelchair that has
 - (i) floor space of not less than 3.7 m² with no dimension less than 1 700 mm when the door swings out and 4 m² with no dimension less than 1 800 mm when the door swings in,
 - (ii) fixtures located to provide maximum manoeuvrability for persons in wheelchairs,
 - (iii) grab bars conforming to Clause 3.8.3.8.(1)(d),

- (iv) a coat hook conforming to Clause 3.8.3.8.(1)(e),
 - (v) a water closet conforming to Article 3.8.3.9., and
 - (vi) at least one lavatory conforming to Article 3.8.3.11.,
 - i) washroom accessories conforming to Clause 3.8.3.11.(1)(f), and
 - j) a lock on the entrance door that is operable with one hand.
- (2) If a bathtub is installed in a suite of residential occupancy required to be barrier-free, the bathtub and entrance to the bathtub shall
- a) comply with the dimensions of Clauses 3.8.3.13.(1)(a) and (b),
 - b) be equipped with a handheld shower head and controls conforming to Clause 3.8.3.13.(1)(h), but with a hose 1 800 mm long, and
 - c) be equipped with grab bars
 - (i) one of which is 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,
 - (ii) one of which is 1 200 mm long located horizontally along the length of the bathtub located 180 mm to 280 mm above the bathtub rim,
 - (iii) that are installed to resist a load of not less than 1.3 kN applied vertically or horizontally,
 - (iv) that are not less than 30 mm and not more than 40 mm in diameter, and
 - (v) that have a clearance of not less than 35 mm and not more than 45 mm from the wall.
- (3) If a shower is installed within a suite of residential occupancy required to be barrier-free, at least one shower stall shall be barrier-free and shall
- a) be not less than 1 500 mm wide and 900 mm deep,

- b) have a clear floor space at the entrance to the shower not less than 900 mm deep and the same width as the shower, except that fixtures are permitted to project into that space provided they do not restrict access to the shower (See Appendix A of the Code),
- c) have a slip-resistant floor surface,
- d) have a bevelled threshold not more than 13 mm higher than the finished floor,
- e) have a hinged seat that is not springloaded or a fixed seat that
 - (i) is not less than 450 mm wide and 400 mm deep,
 - (ii) is mounted approximately 450 mm above the floor, and
 - (iii) is designed to carry a minimum load of 1.3 kN,
- f) have a horizontal grab bar that
 - (i) is not less than 900 mm long,
 - (ii) is mounted approximately 850 mm above the floor of the shower,
 - (iii) is located on the wall opposite the entrance to the shower so that not less than 300 mm of its length is at one side of the seat,
 - (iv) is installed to resist a load of not less than 1.3 kN applied vertically or horizontally,
 - (v) is not less than 30 mm and not more than 40 mm in diameter, and
 - (vi) has a clearance of not less than 35 mm and not more than 45 mm from the wall,
- g) have a pressure-equalizing or thermostatic mixing valve controlled by a lever or other device operable with a closed fist from the seated position,

- h) have a handheld shower head with not less than 1 500 mm of flexible hose located so that it can be reached from the seated position and equipped with a support so that it can operate as a fixed shower head, and
- i) have fully recessed soap holders that can be reached from the seated position.

3.8.3.19. Suites of Residential Occupancy Required to be Barrier-Free

(1) Where one or more suites of residential occupancy are required by Sentence 3.8.1.1.(6) to be barrier-free, every required suite shall be served by

- a) entrances in accordance with Article 3.8.1.2.,
- b) a barrier-free path of travel to, into and throughout each required suite in accordance with Article 3.8.1.3.,
- c) an accessible balcony in accordance with Clause 3.3.1.7. (1)(c) of the Code if a balcony is provided,
- d) barrier-free controls for the operation of building services or safety devices, including electrical switches, thermostats and intercom switches, accessible to a person in a wheelchair, operable with one hand and mounted not more than 1 200 mm above the floor, and electrical receptacles to be located between 400 mm and 550 mm above the finished floor, except as required by Clause (3)(f) (bathroom) and Subclause (4)(c)(v) (kitchen).

(2) Where a suite of residential occupancy is required by Sentence (1), it shall contain at least one sleeping area with

- a) a minimum floor area 12.25 m²,
- b) at least one horizontal room dimension not less than 3.35 m, and
- c) at least one closet that provides
 - (i) a minimum clear opening of 900 mm,

(ii) clothes hanger rods located at a height of 1 200 mm, and

(iii) at least one shelf located at a height of 1 370 mm.

(3) Where a suite of residential occupancy is required by Sentence (1), a minimum of one accessible bathroom shall be provided with

a) a floor space of not less than 3.7 m² with no dimension less than 1 700 mm when the door swings out and 4 m² with no dimension less than 1 800 mm when the door swings in,

b) a water closet conforming to Article 3.8.3.9.,

c) a lavatory conforming to Article 3.8.3.11.,

d) a shower conforming to Clauses 3.8.3.13.(1)(a) to (i) where a shower is provided,

e) a tub conforming to Sentence 3.8.3.18.(2) where a tub is provided, and

f) a GFI razor outlet located not more than 1 200 mm above the floor.

(4) Where a suite of residential occupancy is required by Sentence (1) to provide barrier-free access, the kitchen shall have

a) a minimum 1 200 mm clearance, except in a U-shape kitchen, between counters and all opposing base cabinets, countertops, appliances or walls with a minimum distance of 1 500 mm; and

b) a minimum clear floor space of 750 mm × 1 200 mm shall be provided at

(i) a range,

(ii) a cooktop,

(iii) an oven,

(iv) a refrigerator/freezer,

- (v) a dishwasher, and
 - (vi) any other major appliance,
- c) a minimum of one work surface that
- (i) is 750 mm wide \times 600 mm deep,
 - (ii) is 810 mm to 860 mm above the floor,
 - (iii) has a clear floor area of 750 mm \times 1 200 mm which may extent 480 mm under the work surface,
 - (iv) has a knee space a minimum of 750 mm wide, 480 mm deep and 680 mm high, and
 - (v) has a minimum of one electrical receptacle located at the front or side of the work surface,
- d) base cabinets that have a minimum toe space 150 mm deep and 230 mm high,
- e) sinks
- (i) mounted with the rim between 810 mm and 860 mm above the floor,
 - (ii) that have a minimum knee space of 750 mm wide and 250 mm deep and a toe space of 750 mm wide, 230 mm deep and 230 mm high,
 - (iii) that have a clear floor area 750 mm \times 1 200 mm which may extent 480 mm under the work surface,
 - (iv) that have faucets with lever handles, and
 - (v) that have insulated hot water and drain pipes where they may abut required clear space,
- f) upper cabinets that have a minimum of one shelf not more than 1 200 mm above the floor,
- g) storage cabinet doors and drawers that

- (i) have handles that are easily graspable, and
 - (ii) are mounted at the top of base cabinets and bottom of upper cabinets,
and
- h) all controls that comply with Clause (1)(d), except as required by Subclause (4)(c)(v).

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