

3.8. Accessibility

3.8.1. Scope

(See Note B-3.8.1. of Schedule B)

3.8.1.1

- 1) This Section is concerned with the barrier free design of buildings.
- 2) Buildings required to be barrier-free in accordance with Subsection 3.8.2. shall be designed in accordance with Subsection 3.8.3.

3.8.2. Application

3.8.2.1. Exceptions

- 1) The requirements of this Section apply to all buildings, except
 - (a) detached houses, semi-detached houses, houses with a secondary suite, duplexes, triplexes, quadruplexes, town houses, row houses and boarding houses (See the definition of "Secondary Suite", Note A-1.4.1.2.(1), Division A of the Code),
 - (b) buildings of Group F, Division 1,
 - (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, as defined in 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 (See Note B-3.8.2.1.(1) (f) of Schedule B).
- 2) In a tourist establishment, one sleeping unit conforming to Article 3.8.3.22. shall be provided for every 20 sleeping units or part thereof.
- 3) In a tourist establishment, when a fire alarm system is required by Subsection 3.2.4. of the Code or a visual signal device is required by Subsection 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 an alteration on the entrance level is made to a dwelling unit used as tourist home to add sleeping accommodation, all of the following shall be provided:
 - (a) one sleeping unit conforming to Article 3.8.3.22.,
 - (b) a barrier-free entrance designed in accordance with Subsection 3.8.3.,
 - (c) a barrier-free path of travel conforming to Article 3.8.3.2., and
 - (d) one parking stall for each required sleeping unit under this Sentence conforming with Sentence 3.8.3.4.(3).
- 6) Except as exempt by paragraph (1)(a), in a residential occupancy of multiple suites one unit conforming to Article 3.8.3.23. shall be provided for every 20 units or part thereof (See Note B-3.8.2.1.(6) of Schedule B).

3.8.2.2. Entrances

(See Note A-3.8.2.2. 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 3.8.2.1.(1) shall be barrier-free and shall lead from
 - (a) the outdoors at sidewalk level, or
 - (b) a ramp that conforms with Subsection 3.8.3.
- 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 Sentence (1) or (2) shall be designed in accordance with Subsection 3.8.3.
- 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 Subsection 3.8.3.
- 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 a 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,
 - (b) where there are more than 20 suites a closed-circuit visual monitoring system shall be provided capable of connection to individual suites,
 - (c) security card access locks shall be located on the latch side of the door at a height of not more than 920 mm and shall be illuminated or colour contrasted, and
 - (d) the security card shall be textured or have tactile characters on it.
- 7)** Where a house is required to conform to the requirements of Sentence 3.8.2.1.(5) such house shall provide one barrier-free entrance in conformance with Sentence (1).

3.8.2.3. Areas Requiring a Barrier-Free Path of Travel

(See Note B-3.8.2.3. of Schedule B)

- 1)** Subject to Sentence (2), a barrier-free path of travel from the entrances required by Sentences 3.8.2.2.(1) and (2) to be barrier-free shall be provided throughout and within all normally occupied floor areas of each of the following:
 - (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 a passenger-elevating device. (See Article 3.3.1.7. of the Code for additional requirements for floor areas above or below the first storey to which a barrier-free path of travel is required.)
- 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 passenger-elevating device, an escalator, or an inclined moving walk,

- (h) in a building of Group F, Division 1 major occupancy,
 - (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 care or a suite of residential occupancy that is not at the same level as the entry level to the suite,
 - (k) within a suite of care or a suite of residential occupancy unless required by Sentence 3.8.2.1.(6), or
 - (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 3.8.2.3. (See also Article 3.8.3.21. for additional requirements).

Table 3.8.2.3.
Designated Wheelchair Spaces
 Forming Part of Sentence 3.8.2.3.(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

3.8.2.4. 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 Note A-3.8.2.4.(1) of the Code).
- 2) The route from the escalator or inclined moving walk that leads to the barrier-free path of travel from floor to floor required by Sentence (1) shall be clearly indicated by appropriate signs.

3.8.2.5. Access to Parking Areas and Exterior Passenger-Loading Zones

(See Note A-3.8.2.5. of the Code)

- 1) A barrier-free path of travel shall be provided between an exterior parking area and a barrier-free entrance referred to in Article 3.8.2.2. (See Note A-3.8.2.5.(1) of the Code)
- 2) Where 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 Subsection 3.8.3.

- 3) Exterior passenger-loading zones shall comply with Subsection 3.8.3.
- 4) Where on-site parking is provided, parking stalls for use by persons with a disability shall be provided as follows:
 - (a) as designated by Table 3.8.2.5.,
 - (b) one parking stall shall be provided for each viewing position required in assembly occupancies in Sentence 3.8.2.3.(3), or
 - (c) one parking stall shall be provided for each barrier-free residential suite.
- 5) Where on-site parking is provided, parking stalls for use by persons with a disability shall comply with Subsection 3.8.3.

**Table 3.8.2.5.
Designated Parking Stalls**

Number of Parking Stalls	Number of Designated Stalls Required for Persons with Disabilities
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

3.8.2.6. 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, intended to be operated by the occupant and located in or adjacent to a barrier-free path of travel shall comply with Subsection 3.8.3 (See Note A-3.8.2.6.(1) of the Code).

3.8.2.7. Power Door Operators

- 1) Except as permitted by Sentences (2) and (3), every door that provides a barrier-free path of travel through an entrance referred to in Article 3.8.2.2., including the interior doors of a vestibule where provided, shall be equipped with a power door operator that complies with Subsection 3.8.3. if the entrance serves any of the following:
 - (a) a hotel,
 - (b) a building of Group B, Division 2 major occupancy,
 - (c) a building of Group B, Division 3 major occupancy with more than ten residents, or
 - (d) a building that is more than 500 m² in building area and contains one of the following occupancies:
 - (i) an assembly occupancy,
 - (ii) a business and personal services occupancy, or
 - (iii) a mercantile occupancy.

- 2) The requirements of Sentence (1) 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.
- 3) Only the active leaf in a multiple leaf door in a barrier-free path of travel need conform to the requirements of this Article.

3.8.2.8. Plumbing Facilities

(See Note A-3.8.2.8.(1) to (4) of the Code)

- 1) Except as permitted by Sentence (2), a washroom in a storey to which a barrier-free path of travel is required in accordance with Article 3.8.2.3., shall be barrier-free in accordance with Subsection 3.8.3.
- 2) A washroom need not conform to the requirements of Sentence (1) provided
 - (a) it is located within a suite of care or residential occupancies, except where required by Sentence 3.8.2.1.(6),
or
 - (b) other barrier-free washrooms are provided on the same floor area within 45 m.
- 3) In a building in which water closets are required in accordance with Subsection 3.7.2. of the Code, one or more barrier-free water closets 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) In any washroom containing not more than three water closets, one of the water closet stalls may be replaced by a universal toilet conforming to Subsection 3.8.3. (See Note B-3.8.2.8. of Schedule B).
- 5) In any washroom containing four or more water closets at least one of the water closet stalls shall conform to Subsection 3.8.3.
- 6) A universal washroom conforming to Subsection 3.8.3. is permitted to be substituted for one water closet stall required by Sentence (5), in lieu of facilities for persons with disabilities in washrooms used by the general public (See Note B-3.8.2.8. of Schedule B).
- 7) Where alterations are made to existing buildings, a universal washroom conforming to Subsection 3.8.3. is permitted to be provided in lieu of facilities for persons with disabilities in washrooms used by the general public.
- 8) Where urinals are provided in a barrier free washroom, at least one urinal shall comply with Subsection 3.8.3.
- 9) A barrier-free washroom shall be provided with a lavatory that complies with Subsection 3.8.3.
- 10) Where mirrors are provided in a barrier free washroom, at least one mirror shall comply with Subsection 3.8.3.
- 11) Where drinking fountains are provided, at least one shall comply with Subsection 3.8.3.
- 12) Except within a suite of care occupancy or a suite of residential occupancy, where showers are provided in a building, at least one shower stall in each group of showers shall comply with Subsection 3.8.3.
- 13) Where a bathtub or shower is installed in a suite of residential occupancy required to be barrier-free, it shall comply with Subsection 3.8.3.

3.8.2.9. Assistive Listening Devices

- 1) In a building of assembly occupancy, all classrooms, auditoria, meeting rooms or theatres with an area of more than 100 m² and all court rooms shall be equipped with an assistive listening system complying with Subsection 3.8.3.

3.8.2.10. Signs and Indicators 3.8.2.10.

- 1) Signs complying with Subsection 3.8.3. shall be installed to indicate the location of
 - (a) barrier-free entrances,
 - (b) barrier-free washrooms,
 - (c) barrier-free showers,
 - (d) barrier-free elevators,
 - (e) barrier-free parking spaces, and
 - (f) facilities for persons with hearing disabilities.
- 2) Where 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.

3.8.2.11. Counters

(See Note A-3.8.2.11.(1) of the Code)

- 1) Every counter more than 2 m long, at which the public is served, shall comply with Subsection 3.8.3.
- 2) Built-in shelves and counters provided for public telephones shall comply with Subsection 3.8.3.

3.8.3. Design

3.8.3.1 Design standards

- 1) Buildings or parts thereof and facilities that are required to be barrier-free shall be designed in accordance with
 - (a) this Subsection,
 - (b) the provisions of CSA B651, "Accessible Design for the Built Environment" listed in Table 3.8.3.1. in their entirety (See Note A-3.8.3.1.(1) of the Code and Note B-3.8.3.1.(1) of Schedule B.

3.8.3.2. Barrier-Free Path of Travel

- 1) Except as required elsewhere in this Part or as permitted by Article 3.8.3.6. 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 in diameter,
 - (b) have any elongated openings oriented approximately perpendicular to the direction of travel,
 - (c) be stable, firm and slip-resistant,
 - (d) have a cross slope no steeper than 1 in 50
 - (e) be bevelled at a maximum slope of 1 in 2 at changes in level between 6 mm and 13 mm, and
 - (f) be provided with sloped floors or ramps at changes in level more than 13 mm (See Note A-3.8.3.2.(2) of the Code).
- 3) A barrier-free path of travel is permitted to include ramps, passenger elevators, inclined moving walks, or passenger-elevating devices to overcome a difference in level.

Table 3.8.3.1.
Barrier-free Design Provisions
 (Forming part of Sentence 3.8.3.1.(1))

Barrier-free Application (References to this Schedule)	Applicable CSA B651-18 Provisions
Interior accessible routes (3.8.3.2.)	4.3 and 5.1
Exterior accessible routes (3.8.3.3.)	8.2.1 to 8.2.5 and 8.2.7
Parking stalls and Passenger pickup areas (3.8.3.4.)	8.3.3, 9.3, 9.4.4 and 9.5.1 to 9.5.2
Ramps (3.8.3.5.)	5.3 and 5.5
Doors and doorways (3.8.3.6.)	5.2
Passenger-elevating devices (3.8.3.7.)	5.6.2
Operating controls (3.8.3.8.)	4.2
Signage (3.8.3.9.)	4.5 and 9.4
Drinking fountains (3.8.3.10.)	6.1
Washroom facilities (3.8.3.11. to 3.8.3.15.)	6.2 and 6.3
Bathing facilities (3.8.3.16. and 3.8.3.17.)	6.5
Communication (3.8.3.18. and 3.8.3.20.)	6.6
Counters (3.8.3.19.)	6.7.1
Spaces in seating area (3.8.3.21.)	6.7.2
Sleeping Units in Roofed Accommodation (3.8.3.22.)	6.2.5, 6.2.6.4, 7.4.3, 7.4.5, 7.4.6.3, 7.4.6.4
Suites of Care and Residential Occupancies to be	
Barrier-free (3.8.3.23.)	7.4.1.5.2, 7.4.2.1, 7.4.3, 7.4.4, 7.4.5, 7.4.6.3, 7.4.6.4

- 4) The width of a barrier-free path of travel that is more than 30 m long shall be increased to not less than 1500 mm for a length of 1500 mm at intervals not exceeding 30 m.

3.8.3.3. Exterior Walks

- 1) Exterior walks that form part of a barrier free path of travel shall
- be not less than 1100 mm wide, and
 - have a level area conforming to Clause 3.8.3.5.(1)(c) adjacent to each entrance doorway.

3.8.3.4. Parking Stalls and Exterior Passenger-Loading Zones

- 1) If an exterior passenger-loading zone is provided, it shall have
- an access aisle not less than 1500 mm wide and 6000 mm long adjacent and parallel to the vehicle pull-up space,
 - a curb ramp, where there are curbs between the access aisle and the vehicle pull-up space, and
 - a clear height of not less than 2750 mm at the pull-up space and along the vehicle access and egress routes.
- 2) A curb ramp shall have
- a minimum width of 1200 mm,
 - a maximum slope of 1 in 12, and
 - flared sides with a maximum slope of 1 in 10 (See Note B-3.8.3.4. of Schedule B).
- 3) Parking stalls for use by persons with physical disabilities shall

- (a) be not less than 2600 mm wide and provided on one side with an access aisle not less than 2000 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 7500 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 the entrance required to conform to Article 3.8.2.2.,
- (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 B651-18, "Accessible Design for the Built Environment".

3.8.3.5. Ramps

- 1) A ramp located in a barrier-free path of travel shall
 - (a) have a clear width of not less than 870 mm (See Note A-3.4.3.4. of the Code),
 - (b) have a slope not more than 1 in 12 (See Note A-3.8.3.5.(1)(b) of the Code),
 - (c) have a level area of not less than 1500 mm by 1500 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 Note A-3.8.3.5.(1)(c) of the Code),
 - (d) have a level area not less than 1200 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,
 - (e) except as permitted by Sentence (2), be equipped with handrails conforming to Article 3.4.6.5. of the Code, except that they shall be not less than 865 mm and not more than 965 mm high, and
 - (f) be equipped with guards conforming to Article 3.4.6.6. of the Code.
- 2) Handrails installed in addition to required handrails need not comply with the height requirements stated in Clause (1)(e).
- 3) The requirement for handrails in Clause (1)(e) does not apply to a ramp serving as an aisle for fixed seating.
- 4) The surfaces of ramps and landings shall
 - (a) be hard or resilient where the ramp is steeper than 1 in 15 (See Note A-3.8.3.5.(4)(a) of the Code),
 - (b) have a cross slope no steeper than 1 in 50, and
 - (c) where exposed to water, be designed to drain.
- 5) Ramps and landings not at grade or adjacent to a wall shall have edge protection consisting of
 - (a) a curb not less than 75 mm high, or
 - (b) a raised barrier or rail located not more than 100 mm from the ramp or landing surface.
- 6) Floors or walks in a barrier-free path of travel having a slope steeper than 1 in 20 shall be designed as ramps.

3.8.3.6. Doorways and Doors

- 1) Except where stated otherwise, this Article applies to swinging and sliding doors.
- 2) Every doorway that is located in a barrier free path of travel shall have a clear width of not less than 800 mm when the door is in the open position (See Note A-3.8.3.6.(2) of the Code).
- 3) Doorways in a path of travel to and into at least one bathroom within a suite of care or residential occupancy shall have a clear width of not less than 800 mm when the door is in the open position (See Note A-3.8.3.6.(3) of the Code).
- 4) Door-operating devices shall

- (a) comply with Clause 3.8.3.8.(1)(b), and
 - (b) be operable at a height between 900 mm and 1100 mm above the floor (See Note A-3.8.3.6.(4) of the Code).
- 5)** A threshold for a doorway referred to in Sentences (2) or (3) shall not be more than 13 mm higher than the finished floor surface and shall be bevelled to facilitate the passage of wheelchairs.
- 6)** Power door operators required by Sentence 3.8.2.7.(1) shall
- (a) activate automatically or through the use of controls that
 - (i) are located in a barrier-free path of travel,
 - (ii) are marked with the International Symbol of Access,
 - (iii) are located clear of the door swing and no more than 1500 mm from the door swing,
 - (iv) comply with Subclause 3.8.3.8.(1)(a)(ii),
 - (v) are operable from a height between 150 mm and 300 mm as well as between 900 mm and 1100 mm above the floor, and
 - (vi) are operable by touching or approaching any part of their surface with a fist, arm or foot, and
 - (b) unless equipped with safety sensors,
 - (i) fully open the door in not less than 3s, and
 - (ii) require a force not more than 65 N to stop movement of the door (See Note A-3.8.3.6.(6) and (7) of the Code).
- 7)** A cane-detectable guard shall be installed on the hinged side of power-assisted doors that swing open into the path of travel (See Notes A-3.8.3.6.(6) and (7) of the Code).
- 8)** Except as permitted in Sentence (9) and except for a door with a power door operator complying with Sentence (6), when unlatched, a door in a barrier-free path of travel shall 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,
 - (b) 22 N in the case of an interior swinging door, or
 - (c) 22 N in the case of a sliding door.
- 9)** Sentence (8) 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 Note A-3.8.3.6.(9) of the Code).
- 10)** 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 3s 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 Note A-3.8.3.6.(10) of the Code).
- 11)** 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 approachside (See Note A-3.8.3.6.(11) of the Code).
- 12)** 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 2 doors in series of not less than 1200 mm plus the width of any door that swings into the space in the path of travel from one door to another.
- 13)** Only the active leaf in a multiple-leaf door in a barrier-free path of travel need conform to the requirements of this Article.
- 14)** Except as provided in Clause 3.8.3.5.(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 on the latch side required by Sentence (11), 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 1500 mm.

15) The power door operator required by Sentence (6) shall function for passage in both directions through the door.

16) 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.

3.8.3.7. Passenger-elevating Device

1) A passenger-elevating device referred to in Article 3.8.2.3. shall conform to CAN/CSA B355, "Lifts for Persons with Physical Disabilities".

3.8.3.8. Controls

- 1) Controls described in this Section shall
- (a) where located in or adjacent to a barrierfree path of travel, and unless otherwise stated,
 - (i) be mounted 400 mm to 1200 mm above the floor, and
 - (ii) be adjacent to and centred on either the length or the width of a clear space of 1350 mm by 800 mm, and
 - (b) be operable
 - (i) with one hand in a closed fist position, without requiring tight grasping, pinching with fingers, or twisting of the wrist, and
 - (ii) unless otherwise stated, with a force of not more than 22N.

3.8.3.9. Accessibility Signs

1) Signs required by Article 3.8.2.10. shall incorporate the International Symbol of Access or the International Symbol of Access for Hearing Loss and appropriate graphical or textual information that clearly indicates the type of facilities available (See Note A-3.8.3.9.(1) of the Code).

3.8.3.10. Drinking Fountains

- 1) Drinking fountains required by Sentence 3.8.2.8.(11) shall
- (a) be located along a barrier-free path of travel,
 - (b) have a minimum clear floor space of 800 mm by 1350 mm in front of it,
 - (c) where it has frontal access, provide a knee clearance in accordance with Clause 3.8.3.15.(1)(d),
 - (d) have a spout that
 - (i) is located near the front of the unit, at a height between 750 mm and 915 mm above the floor, and
 - (ii) directs water flow in a trajectory that is nearly parallel to the front of the unit, at a height of not less than 100 mm, and
 - (e) be equipped with controls that
 - (i) activate automatically,
 - (ii) are located either on the front or on both sides of it and comply with Clause 3.8.3.8.(1)(b).

3.8.3.11. Water Closet Stalls

- 1) Water closet stalls and enclosures required by Sentence 3.8.2.8.(5) shall
- (a) be not less than 1500 mm wide by 1500 mm deep,

- (b) have a clear floor space of 1500 mm by 1500 mm in front of the accessible stall,
- (c) be equipped with a door that
 - (i) can be latched from the inside with a mechanism conforming to Clause 3.8.3.8.(1)(b),
 - (ii) is aligned with either the transfer space adjacent to the water closet or with a clear floor space of not less than 1500 mm by 1500 mm within the stall,
 - (iii) provides a clear opening not less than 850 mm wide when it is open,
 - (iv) is self-closing so that, when at rest, the door is ajar by not more than 50 mm beyond the jamb,
 - (v) swings outward, unless there is sufficient floor space within the stall for the door to swing inward in addition to a clear floor space of at least 800 mm by 1350 mm (See Note A-3.8.3.11.(1)(c)(v) of the Code),
 - (vi) where the door swings outward, is provided with a horizontal, D-shaped, visually contrasting door pull not less than 140 mm long located on the inside such that the midpoint is 200 mm to 300 mm from the hinged side of the door and 800 mm to 1000 mm above the floor (See Note A-3.8.3.11.(1)(c)(vi) of the Code), and
 - (vii) is provided with a horizontal, D-shaped, visually contrasting door pull not less than 140 mm long located on the outside such that its midpoint is 120 mm to 220 mm from the latch side and 800 mm to 1000 mm above the floor,
- (d) have a water closet located so that the distance between the centre line of the fixture and the wall on one side is 460 mm to 480 mm,
- (e) be equipped with an L-shaped grab bar that
 - (i) is mounted on the side wall closest to the water closet,
 - (ii) has horizontal and vertical components not less than 760 mm long mounted with the horizontal component 750 mm to 850 mm above the floor and the vertical component 150 mm in front of the water closet (See Note A-3.8.3.11.(1)(e)(ii) of the Code), and
 - (iii) complies with Article 3.7.2.8. of the Code,
- (f) be equipped with either one grab bar at least 600 mm long centred over the water closet, or two grab bars at least 300 mm long and located either side of the flush valve that,
 - (i) conform to Article 3.7.2.8. of the Code,
 - (ii) are mounted on the rear wall, or
 - (iii) are mounted at the same height as the grab bar on the side wall or 100 mm above the top of the attached water tank, if applicable,
- (g) be equipped with a coat hook mounted not more than 1200 mm above the floor on a side wall and projecting not more than 50 mm from the wall, and
- (h) be equipped with a toilet paper dispenser mounted on the side wall closest to the water closet such that,
 - (i) the bottom of the dispenser is 600 mm to 800 mm above the floor, and
 - (ii) the closest edge of the dispenser is 300 mm from the front of the water closet.

3.8.3.12. Universal Washrooms

(See Note A-3.8.3.12. of the Code)

1) A universal washroom shall

- (a) be served by a barrier-free path of travel,
- (b) have a door complying with Article 3.8.3.6. that
 - (i) has a latch-operating mechanism located 900 mm to 1000 mm above the floor that is capable of being locked from the inside and released from the outside in case of emergency, and
 - (ii) if it is an outward swinging door that
 - (A) is not self-closing, has 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 1000 mm above the floor, and (See Note A-3.8.3.11.(1)(c)(vi) of the Code), or
 - (B) that is self-closing, has a door closer, spring hinges or gravity hinges, so that the door closes automatically,
- (c) have one lavatory conforming to Article 3.8.3.15.,
- (d) have one water closet conforming to Article 3.8.3.13. and Clause 3.8.3.11.(1)(d), with a clear floor space at

- least 900 mm wide that is parallel and adjacent to the open side of the water closet,
- (e) have grab bars conforming to Clauses 3.8.3.11.(1)(e) and (f),
- (f) have a coat hook conforming to Clause 3.8.3.11.(1)(g),
- (g) have a toilet paper dispenser conforming to Clause 3.8.3.11.(1)(h),
- (h) unless a counter is provided, have a shelf located not more than 1200 mm above the floor, and
 - (i) be designed to permit a wheelchair to turn in an open space that has a diameter of not less than 1500 mm.

3.8.3.13. Water Closets

(See Note B-3.8.3.13. of Schedule B)

- 1) A water closet for a person with physical disabilities shall
 - (a) be equipped with a seat located at not less than 430 mm and not more than 460 mm above the floor,
 - (b) flush automatically or be equipped with a flushing control that
 - (i) is located 500 mm to 900 mm above the floor,
 - (ii) is located no more than 350 mm from the transfer side, and
 - (iii) complies with Clause 3.8.3.8.(1)(b),
 - (c) be equipped with a seat lid or other back support, and
 - (d) where it has a tank, have a securely attached tank top. (See Note A-3.8.3.13.(1) of the Code)

3.8.3.14. Urinals

(See Note B-3.8.3.14. of Schedule B)

- 1) Urinals described in Sentence 3.8.2.8.(8) shall
 - (a) be wall-mounted, with the opening of the basin located not more than 430 mm above the floor,
 - (b) be adjacent to an accessible route,
 - (c) have a clear width of approach of 800 mm centred on the urinal and unobstructed by privacy screens,
 - (d) have no step in front of it,
 - (e) have a flush control that
 - (i) is automatic,
 - (ii) complies with Clause 3.8.3.8.(1)(b) and is located 900 mm to 1100 mm above the floor, and
 - (f) have a vertically mounted grab bar installed on each side that
 - (i) complies with Article 3.7.2.8. of the Code,
 - (ii) is not less than 600 mm long, with its centre line 1000 mm above the floor, and
 - (iii) is located not more than 380 mm from the centre line of the urinal.

3.8.3.15. Lavatories and Mirrors

- 1) Lavatories required by Sentence 3.8.2.8.(7) shall
 - (a) be equipped with faucets complying with Sentence 3.7.2.3.(4) of the Code,
 - (b) be located so that the distance between the centre line of the lavatory and any side wall is not less than 460 mm,
 - (c) have a rim height of not more than 865 mm above the floor,
 - (d) have 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 200 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 Note A-3.8.3.15.(1)(d) of the Code),
 - (e) have insulated water supply and drain pipes where these pipes are exposed (See Note A-3.8.3.15.(1)(e) of the Code),
 - (f) have a soap dispenser that
 - (i) is automatic, or

- (ii) complies with Clause 3.8.3.8.(1)(b) and is located not more than 1100 mm above the floor within 500 mm from the front of the lavatory (See Note A-3.8.3.15.(1)(f) of the Code), and
- (g) have a towel dispenser or other hand-drying equipment located close to the lavatory, not more than 1200 mm above the floor in an area that is accessible to persons in wheelchairs.

- 2) Mirrors required by Sentence 3.8.2.8.(10) shall be
- (a) mounted with its bottom edge not more than 1000 mm above the floor, or
 - (b) fixed in an inclined position so as to be usable by a person in a wheelchair.

3.8.3.16. Showers

- 1) Showers required by Sentence 3.8.2.8.(13) shall
- (a) be not less than 1500 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 Note A-3.8.3.16.(1)(b) of the Code),
 - (c) have no doors or curtains that obstruct the controls or clear floor space at the entrance to the shower,
 - (d) have a slip-resistant floor surface,
 - (e) have a threshold not more than 13 mm higher than the finished floor, and where it is higher than 6 mm, bevelled to a slope no steeper than 1 in 2 (50%),
 - (f) have 2 grab bars that
 - (i) conform to Sentence 3.7.2.8.(1) of the Code,
 - (ii) one of which is not less than 1000 mm long and located vertically on the side wall 50 mm to 80 mm from the adjacent clear floor space, with its lower end 600 mm to 650 mm above the floor, and
 - (iii) one of which is L-shaped and located on the wall opposite the entrance to the shower, with a horizontal member not less than 1000 mm long mounted 750 mm to 870 mm above the floor and a vertical member not less than 750 mm long mounted 400 mm to 500 mm from the side wall on which the other vertical grab bar is mounted (See Note A-3.8.3.16.(1)(f) of the Code),
 - (g) have a hinged seat that is not spring loaded, or a fixed seat with a smooth slip resistant surface and no rough edges, the seat being
 - (i) not less than 450 mm wide and 400 mm deep, (ii) mounted on the same side wall as the vertical grab bar, at 460 mm to 480 mm above the floor, and
 - (iii) designed to carry a minimum load of 1.3 kN,
 - (h) have a pressure-equalizing or thermostatic-mixing valve that
 - (i) complies with Clause 3.8.3.8.(1)(b),
 - (ii) is mounted on the wall opposite the entrance to the shower at not more than 1200 mm above the floor and within reach of the seat,
 - (i) have a hand-held shower head with not less than 1800 mm of flexible hose located so that it
 - (ii) can be used in a fixed position at a height of 1200 mm and 2030 mm, and
 - (iii) does not obstruct the grab bars, and
 - (j) have 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 treatment occupancy, they shall conform to the requirements of Clauses (1)(a) to (j) except where
- (a) common showers are provided in conformance with Clauses (1)(a) to (j), or
 - (b) common bathtubs equipped with hoist mechanisms to accommodate residents and patients are available.

3.8.3.17. Bathtubs

- 1) Bathtubs required by Sentence 3.8.2.8.(13) shall
- (a) be located in a room with a clear floor space of not less than 1500 mm in diameter,
 - (b) be not less than 1500 mm long,
 - (c) have a clear floor space not less than 750 mm wide adjacent to its entire length,

- (d) be capable of being accessed along its full length with no tracks mounted on its rim,
- (e) have faucets and other controls that
 - (i) conform to Clause 3.8.3.8.(1)(b), and
 - (ii) are located on the centre line or between the centre line of the bathtub and the exterior edge of the bathtub rim, at a maximum height of 450 mm above the rim,
- (f) have three grab bars,
 - (i) that conform to Sentence 3.7.2.8.(1) of the Code,
 - (ii) that are not less than 1200 mm long,
 - (iii) two of which are located vertically at each end of the bathtub, set 80 mm to 120 mm in from the outside edge of the bathtub, with their lower end 180 mm to 280 mm above the bathtub rim, and
 - (iv) one of which is located horizontally along the length of the bathtub at 180 mm to 280 mm above the bathtub rim,
- (g) have a slip-resistant bottom surface, and
- (h) be equipped with a hand-held shower head with not less than 1800 mm of flexible hose that can be used in a fixed position at a height of 1200 mm and 2030 mm.

3.8.3.18. Assistive Listening Devices

- 1) Except as permitted in Sentence (2), an assistive listening system required by Article 3.8.2.9. shall encompass the entire seating area.
- 2) Where the assistive listening system referred to in Article 3.8.2.9. is an induction loop system, only half the seating area in the room need be encompassed.

3.8.3.19. Counters

- 1) Counters required by Sentence 3.8.2.11.(1) shall have
 - (a) at least one barrier-free section not less than 760 mm long centred over a knee space conforming to Clause (c),
 - (b) a surface not more than 865 mm above the floor, and
 - (c) except as provided in Sentence (2) and where the counter is intended to be used as a work surface, a knee space underneath it that is
 - (i) not less than 760 mm wide,
 - (ii) not less than 685 mm high, and
 - (iii) not less than 485 mm deep.
- 2) 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.

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

(See Note A-3.8.3.20. of the Code)

- 1) Shelves or counters required by Sentence 3.8.2.11.(2) shall
 - (a) be level,
 - (b) be not less than 305 mm deep,
 - (c) have, for each telephone provided, a clear space not less than 250 mm wide having no obstruction within 250 mm above the surface, and
 - (d) have a section with a surface not more than 865 mm above the floor serving at least one telephone.
- 2) Where a wall-hung telephone is provided above the shelf or counter section described in Clause (1)(d), it shall be located so that the receiver and coin slot are not more than 1200 mm above the floor.

- 3) Where public telephones are provided, at least one telephone shall be provided with a variable volume control on the receiver.
- 4) 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 Group A, Group B, Group D or Group E occupancy when telephones are provided,
 - (c) a hotel or motel
 - (i) exceeds 600 m² in building area,
 - (ii) is required by Sentence 3.8.2.1.(2) to provide a barrier-free suite, or
 - (d) a tourist establishment is required by Sentence 3.8.2.1.(2) to provide barrier-free suites, in which case a cellphone with text messaging capabilities or other portable unit is also sufficient if available.
- 5) Where public telephones are provided, at least one electrical receptacle shall be provided within 500 mm of one of the public telephones.

3.8.3.21. Spaces in Seating Area

- 1) Spaces designated for wheelchair use referred to in Sentence 3.8.2.3.(3) shall be
 - (a) clear and level, or level with removable seats,
 - (b) not less than 900 mm wide and 1525 mm long to permit a wheelchair to enter from a side approach and 1220 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.

3.8.3.22. Sleeping Units in Roofed Accommodation

- 1) Where sleeping unit suites are required by Sentence 3.8.2.1.(2), they shall have
 - (a) sufficient space to provide a turning area of not less than 1500 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 where balconies are 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 1200 mm, and
 - (iii) at least one shelf located at a height of 1370 mm,
 - (e) light switches, thermostats and other controls that are specifically provided for use by the occupant mounted not more than 1200 mm above the floor,
 - (f) electrical receptacles located between 455 mm and 550 mm above the finished floor,
 - (g) a GFI outlet located not more than 1200 mm above the floor,
 - (h) an accessible bathroom that shall be designed to provide manoeuvring space up to each type of fixture required to be usable by persons using a wheelchair conforming to the following:
 - (i) a floor space of not less than 3.7 m² with no dimension less than 1700 mm when the door swings out and 4.0 m² with no dimension less than 1800 mm when the door swings in,
 - (ii) fixtures located to provide maximum manoeuvrability for persons in wheelchairs,
 - (iii) grab bars conforming to Clauses 3.8.3.11.(1)(e) and (f),
 - (iv) a coat hook conforming to Clause 3.8.3.11.(1)(g),
 - (v) a water closet conforming to Article 3.8.3.13., and
 - (vi) at least one lavatory conforming to Article 3.8.3.15,

- (i) washroom accessories conforming to Clause 3.8.3.15.(1)(g), and
 - (j) a lock on the entrance door that is operable with one hand.
- 2) If a bathtub is installed in a sleeping unit required to be barrier-free, the bathtub shall comply with the requirements of Article 3.8.3.17.
- 3) If a shower is installed within a sleeping unit required to be barrier-free, at least one shower stall shall be barrier-free and shall comply with the requirements of Article 3.8.3.16.

3.8.3.23. Residential Occupancies to Be Barrier-free

- 1) A barrier-free suite that is required in a residential occupancy to provide barrier-free access by Sentence 3.8.2.1.(6) shall be served by
- (a) entrances in accordance with Article 3.8.2.2.,
 - (b) a barrier-free path of travel to, into, and throughout each required suite in accordance with Article 3.8.2.3.,
 - (c) an accessible balcony if required in accordance with Clause 3.3.1.7.(1)(c) of the Code, and
 - (d) barrier-free controls for the operation of building services or safety devices, including electrical switches, thermostats and intercom switches, that are accessible to a person using a wheelchair, operable with one hand, and mounted not more than 1200 mm above the floor and electrical receptacles that are located between 400 mm and 550 mm above the finished floor, except as required by Clause 3.8.3.23.(3)(f) (bathroom) and Subclause 3.8.3.23.(4)(c)(v) (kitchen).

Sleeping Area

- 2) A barrier-free suite that is required in a residential occupancy to provide barrier-free access by Sentence 3.8.2.1.(6) shall contain at least one sleeping area with
- (a) a minimum floor area of 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 1200 mm, and
 - (iii) at least one shelf located at a height of 1370 mm.

Bathroom

- 3) In a barrier-free suite that is required in a residential occupancy to provide barrier-free access by Sentence 3.8.2.1.(6), 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 1700 mm when the door swings out and 4 m² with no dimension less than 1800 mm when the door swings in,
 - (b) a water closet conforming to Article 3.8.3.13.,
 - (c) a lavatory conforming to Article 3.8.3.15.,
 - (d) where a shower is provided, a shower conforming to Article 3.8.3.16.,
 - (e) where a bathtub is provided, a bathtub conforming to Article 3.8.3.17.,
 - (f) a GFI razor outlet located not more than 1200 mm above the floor, and
 - (g) grab bars conforming to clauses 3.8.3.11.(1)(e) and (f).

Kitchen

- 4) In a barrier-free suite that is required in a residential occupancy to provide barrier-free access by Sentence 3.8.2.1.(6), the kitchen shall have
- (a) a minimum 1200 mm clearance between counters and all opposing base cabinets, countertops, appliances, or walls except in a U-shaped kitchen the minimum distance shall be 1500 mm,
 - (b) a minimum clear floor space 750 mm x 1200 mm at each

- (i) range,
 - (ii) cooktop,
 - (iii) oven,
 - (iv) refrigerator/freezer,
 - (v) dishwasher, and
 - (vi) other major appliance,
- (c) a minimum of one work surface that
- (i) is 750 mm wide × 600 mm deep,
 - (ii) is 810 mm to 860 mm above the floor,
 - (iii) has a clear floor area 750 mm by 1200 mm, which may extend 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 with 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) with a knee space a minimum of 750 mm wide, 250 mm deep, and a toe space 750 mm wide 230 mm deep and 230 mm high,
 - (iii) with a clear floor area 750 mm by 1200 mm, which may extend 480 mm under the work surface,
 - (iv) with faucets equipped with lever handles, and
 - (v) with insulated hot water and drain pipes where they may abut required clear space,
- (f) where upper cabinets are provided, an upper cabinet with a minimum of one shelf not more than 1200 mm above the floor,
- (g) storage cabinet doors and drawers
- (i) with handles that are easily graspable,
 - (ii) mounted at the top of base cabinets and bottom of upper cabinets, and
- (h) all controls in compliance with Clause 3.8.3.23.(1)(d) except as required by Subclause 3.8.3.23.(4)(c)(v).