

- Reorganization
- Embedding
- CSA B651-12

Structural change

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3.8.3.2 Barrier-Free Path of Travel

- 2) Interior and exterior walking surfaces that are within a *barrier-free* path of travel shall
 - 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 Appendix A.)

3.8.3.5 Ramps

- 1) A ramp located in a barrier-free path of travel shall
 - e) except as provided in <u>Sentences (2) and (3)</u>, be equipped with handrails conforming to <u>Article 3.4.6.5.</u>, 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.
- 2) Handrails installed in addition to required handrails need not comply with the height requirements stated in Clause (1)(e).

3.8.3.5 Ramps

- 4) The surfaces of ramps and landings shall
 - a) be hard or resilient where the ramp is steeper than 1 in 15 (see Appendix A),
 - 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.

3.8.3.6 Doorways and Doors

- 1) Except where stated otherwise, this Article applies to swinging and sliding doors.
- 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 1 100 mm above the floor.

(See Appendix A.)

3.8.3.6 Doorways and Doors

- 6) Power door operators required by <u>Sentence 3.8.2.7.(1)</u> 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 that 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

3.8.3.6 Doorways and Doors

- 6) Power door operators required by <u>Sentence 3.8.2.7.(1)</u> shall
 - b) unless equipped with safety sensors,
 - i. fully open the door in not less than 3 s, and
 - ii. require a force not more than 65 N to stop movement of the door.

(See Appendix A.)

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 Appendix A.)

3.8.3.6 Doorways and Doors

- 8) Except as provided in <u>Sentence (9)</u> and except for a door with a power door operator complying with <u>Sentence (6)</u>, 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 swinging door,
 - b) 22 N in the case of an interior swinging door, or
 - c) 22 N in the case of a sliding door.

3.8.3.8 Controls

- 1) Controls described in this Section shall
 - a) where located in or adjacent to a barrier-free path of travel, and unless otherwise stated,
 - i. be mounted 400 mm to 1200 mm above the floor,
 - ii. be adjacent to and centered on either the length or the width of a clear floor 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 not more than 22 N.

3.8.3.9 Accessibility Signs

1) Signs required by <u>Article 3.8.2.10.</u> 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 <u>Appendix A.</u>)

3.8.3.10 Drinking Fountains

- 1) Drinking fountains required by <u>Sentence 3.8.2.8.(9)</u> 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
 - directs water flow in a trajectory that is nearly parallel to the front of the unit, at a height not less than 100 mm, and

3.8.3.10 Drinking Fountains

- 1) Drinking fountains required by <u>Sentence 3.8.2.8.(9)</u> shall (continued)
 - e) be equipped with controls that
 - i. activate automatically, or
 - 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,

3.8.3.11 Water Closet Stalls

- 1) Water closet stalls and enclosures required by <u>Sentence 3.8.2.8.</u> (5) shall (continued)
 - 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 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 Appendix A),

3.8.3.11 Water Closet Stalls

- 1) Water closet stalls and enclosures required by <u>Sentence</u> 3.8.2.8.(5) shall
 - c) be equipped with a door that (continued)
 - 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 its midpoint is 200 mm to 300 mm from the hinged side of the door and 800 mm to 1000 mm above the floor (see Appendix A), 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.

3.8.3.11 Water Closet Stalls

- 1) Water closet stalls and enclosures required by <u>Sentence</u> 3.8.2.8.(5) shall (continued)
 - 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 760 mm long horizontal and vertical components 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 Appendix A), and
 - iii. complies with Article 3.7.2.8.,

3.8.3.11 Water Closet Stalls

- 1) Water closet stalls and enclosures required by <u>Sentence</u> 3.8.2.8.(5) shall (continued)
 - f) be equipped with either one grab bar at least 600 mm long and 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.,
 - ii. are mounted on the rear wall, and
 - 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,

3.8.3.11 Water Closet Stalls

- 1) Water closet stalls and enclosures required by <u>Sentence</u> 3.8.2.8.(5) shall
 - 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 Appendix A.)

- 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 complies with Clause 3.8.3.8.(1)(b) and 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 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 (see A-3.8.3.11.(1)(c)(vi) in Appendix A),

3.8.3.12 Universal Washrooms

- A universal washroom shall (continued)
 - c) have one lavatory conforming to Article 3.8.3.15.,
 - d) have one water closet conforming to Article 3.8.3.13. and <u>Clause 3.8.3.11.(1)(d)</u>, 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 Clause 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),

3.8.3.12 Universal Washrooms

- A universal washroom shall (continued)
 - 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 not less than 1500 mm in diameter.

3.8.3.13 Water Closets

- 1) A water closet for a person with physical disabilities shall
 - a) be equipped with a seat located 430 mm to 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),

3.8.3.13 Water Closets

- 1) A water closet for a person with physical disabilities shall (continued)
 - 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 Appendix A.)

3.8.3.14 Urinals

- 1) Urinals described in Sentence 3.8.2.8.(6) 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,

3.8.3.14 Urinals

- 1) Urinals described in <u>Sentence 3.8.2.8.(6)</u> shall (continued)
 - e) have a flush control that
 - i. is automatic, or
 - ii. complies with <u>Clause 3.8.3.8.(1)(b)</u> 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.,
 - 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),
 - 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 not more than 865 mm above the floor.

3.8.3.15 Lavatories and Mirrors

- 1) Lavatories required by <u>Sentence 3.8.2.8.(7)</u> shall (continued)
 - e) have insulated water supply and drain pipes where these pipes are exposed (see <u>Appendix A</u>),
 - f) have a soap dispenser that
 - i. is automatic, or
 - ii. complies with <u>Clause 3.8.3.8.(1)(b)</u> and is located not more than 1100 mm above the floor, within 500 mm from the front of the lavatory (see <u>Appendix A</u>), and

3.8.3.15 Lavatories and Mirrors

(continued)

- 2) Mirrors required by Sentence 3.8.2.8.(8) shall be
 - a) mounted with their 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 <u>Sentence 3.8.2.8.(10)</u> 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 that is 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),
 - c) have no doors or curtains that obstruct the controls or the clear floor space at the entrance to the shower,
 - d) have a slip-resistant floor surface,

3.8.3.16 Showers

- Showers required by <u>Sentence 3.8.2.8.(10)</u> shall (continued)
 - 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),
 - one of which is at least 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 at least 1000 mm long mounted 750 mm to 870 mm above the floor and a vertical member at least 750mm long mounted 400 mm to 500 mm from the side wall on which the other vertical grab bar is mounted.

3.8.3.16 **Showers**

- 1) Showers required by <u>Sentence 3.8.2.8.(10)</u> shall (continued)
 - 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,

3.8.3.16 Showers

- 1) Showers required by <u>Sentence 3.8.2.8.(10)</u> shall (continued)
 - h) have a pressure-equalizing or thermostatic-mixing valve and other controls that
 - i. comply with <u>Clause 3.8.3.8.(1)(b)</u>,
 - ii. are 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,

3.8.3.16 Showers

- 1) Showers required by <u>Sentence 3.8.2.8.(10)</u> shall (continued)
 - i) have a hand-held shower head with not less than 1800 mm of flexible hose located so that it
 - i. can be reached from a seated position,
 - ii. can be used in a fixed position at a height of 1200 mm and 2030 mm, and
 - iii. does not obstruct the use of the grab bars, and
 - j) have recessed soap holders that can be reached from the seated position.

3.8.3.17 Bathtubs

- 1) Bathtubs required by <u>Sentence 3.8.2.8.(11)</u> shall
 - a. be located in a room with a clear floor space 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.

3.8.3.17 Bathtubs

- 1) Bathtubs required by <u>Sentence 3.8.2.8.(11)</u> shall (continued)
 - e. have faucets and other controls that
 - . conform to Clause 3.8.3.8.(1)(b), and
 - ii. are located on the centreline or between the centreline of the bathtub and the exterior edge of the bathtub rim, at a maximum height of 450 mm above the rim,

3.8.3.17 Bathtubs

- 1) Bathtubs required by <u>Sentence 3.8.2.8.(11)</u> shall (continued)
 - f. have three grab bars
 - i. that conform to Sentence 3.7.2.8.(1),
 - ii. that are at least 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.

3.8.3.17 Bathtubs

- 1) Bathtubs required by <u>Sentence 3.8.2.8.(11)</u> shall (continued)
 - 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.

Accessibility for Manitobans Act

- 5 key areas to have regulation
- Customer service (in place)
- Employment (draft)
- Information & Communications
- Transportation
- Built-environment

Future changes