

Ramps

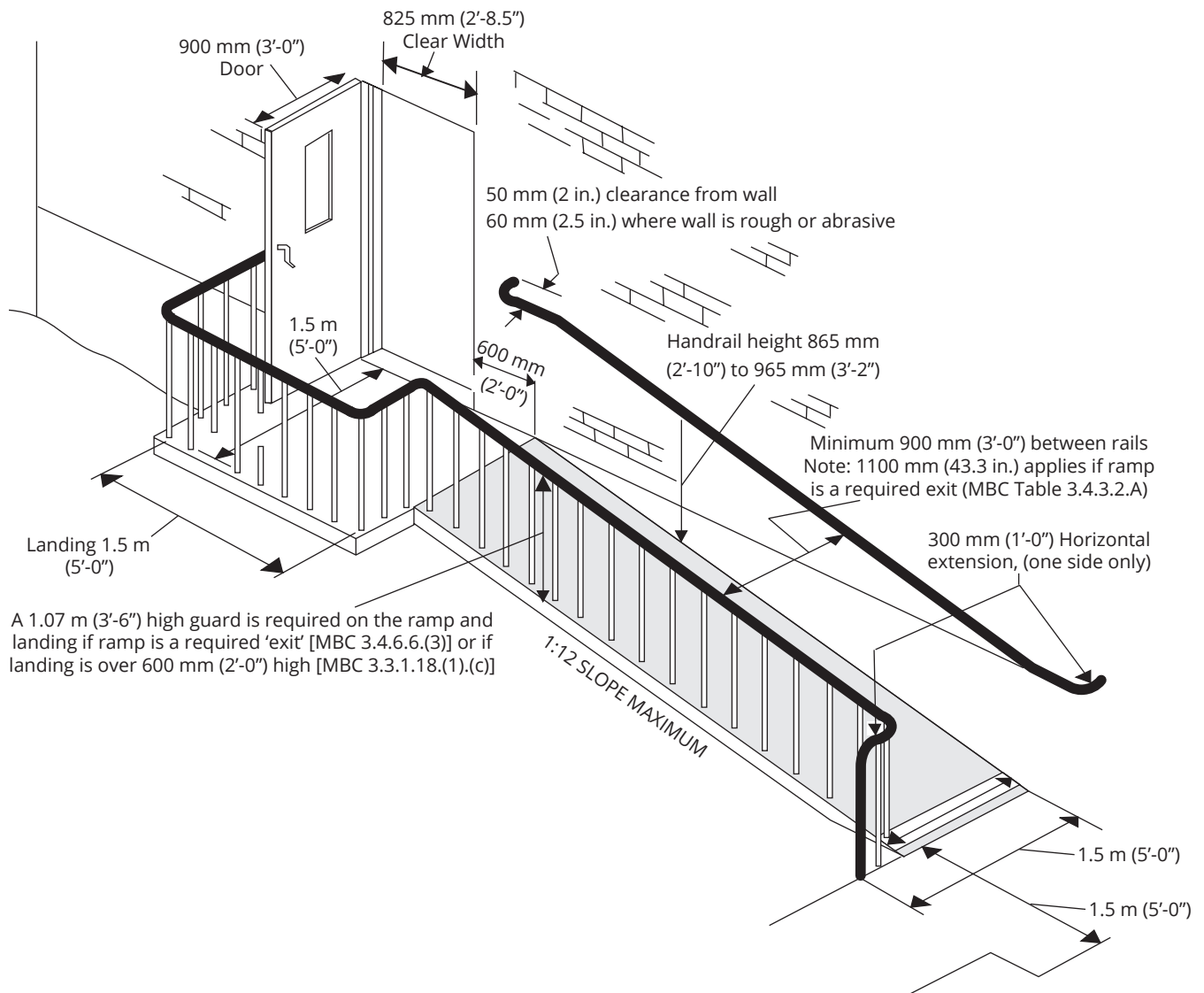
A guide to the building code requirements for commercial barrier-free ramps



General notes

1. Barrier-free ramps for commercial or multi-unit residential buildings require development and building permits. A development permit establishes land use and confirms the structure is located on the property in accordance with the zoning bylaw and other departments' requirements. A building permit review confirms the structure meets code. Building permits must align with prior development permit approvals.
2. A ramp with a 1 in 12 slope means that for each one-inch rise of the ramp, one foot of ramp length is required. Therefore, a ramp with a rise of 300 mm (1'-0") would have to be 3.65 m (12'-0") long.
3. The surface of the ramp must have a finish that is slip resistant.
4. A ramp must have a level area not less than 1.5 m x 1.5 m (5'-0" X 5'-0") at intervals not more than 9 m (29'-6") along its length and where there is a change in direction of 90° or less.
5. A ramp with a change in direction greater than 90° must have a level area 1.5 m (5'-0") in width x 1.8 m (5'-11") in length.
6. Where the change in elevation is greater than 225 mm (9 in.), landings must have detectable warning surfaces at the top and bottom that include changes in colour, texture, resiliency and sound from surrounding surfaces.
7. Handrails are required on both sides of ramp and, except where interrupted by doorways, be continuous throughout length of ramp, including landings.
8. Ramps not supported directly on the ground shall have all structural elements designed by an engineer. View Bulletin 2017-001-S for Augered Piles on our Information Bulletins webpage: www.winnipeg.ca/ppd/InfoCentre/InformationBulletins.stm
9. Complete requirements are in the Manitoba Building Code (MBC) and amendments.

Accessible entrance showing minimum dimensions for a barrier-free ramp (MBC 2011)



**Planning, Property & Development
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Every effort has been made to ensure the accuracy of information contained in this publication. However, in the event of a discrepancy between this publication and the governing City of Winnipeg By-law, the bylaw will take precedence.