

Ramps

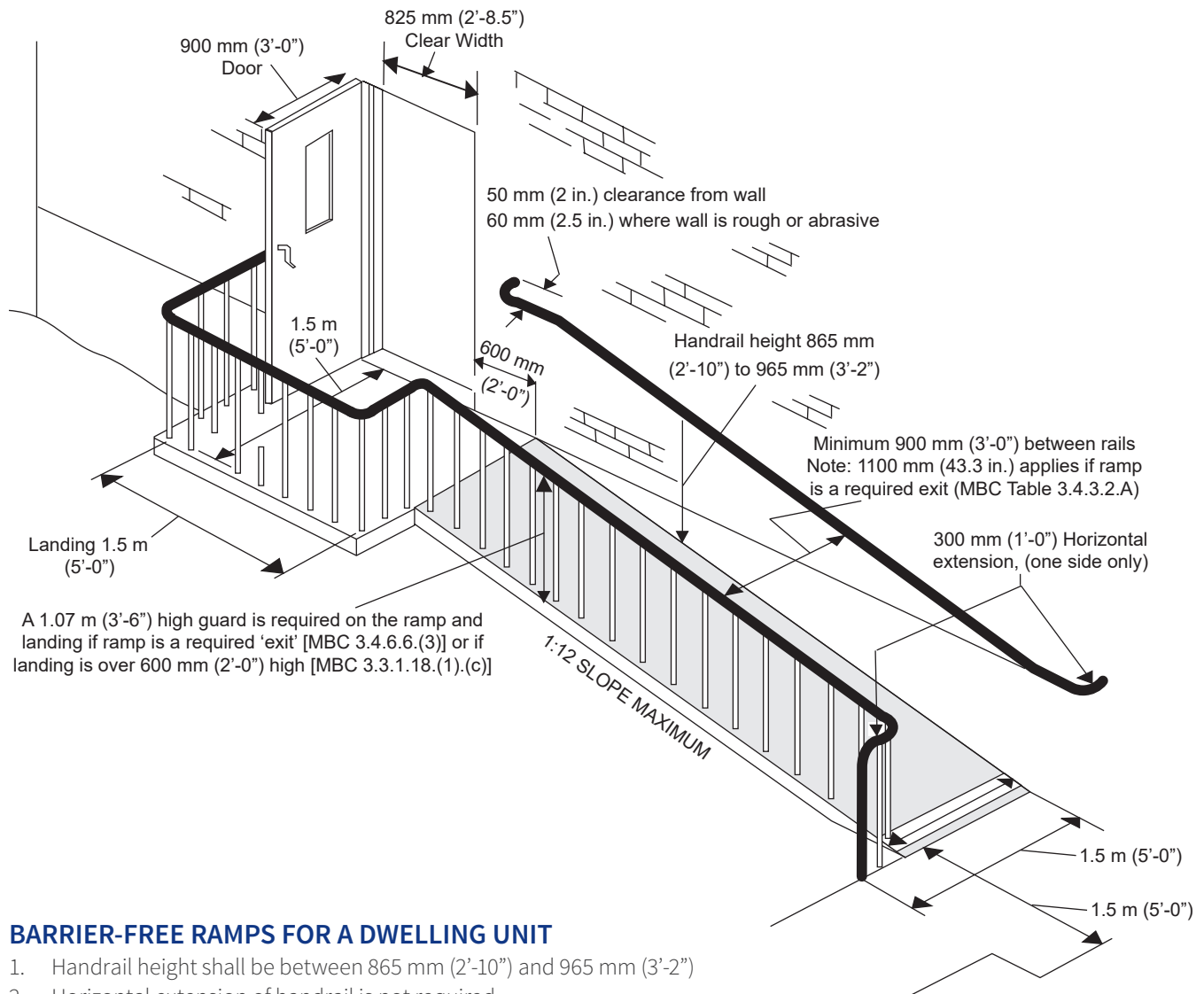
A guide to the Building Code requirements for barrier-free ramps



General Notes

1. 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.
2. The surface of the ramp must have a finish that is slip resistant.
3. 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.
4. 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.
5. 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.
6. Handrails are required on both sides of ramp and, except where interrupted by doorways, be continuous throughout length of ramp, including landings.
7. Ramps not supported directly on the ground shall have all structural elements designed by a professional engineer licensed to practice in the province of Manitoba. View Bulletin 2017-001-S for Augered Piles on our Information Bulletins webpage: www.winnipeg.ca/ppd/InfoCentre/InformationBulletins.stm.
8. Complete requirements are in the Manitoba Building Code (MBC) and amendments.
9. A building permit is required for the construction of a barrier-free ramp. Apply at the City of Winnipeg, Zoning & Permits Branch, Unit 31-30 Fort St. Bring a site plan showing the ramp location and dimensions, construction drawings and a copy of the Building Location Certificate, if available.

Accessible Entrance Showing Minimum Dimensions for a Barrier-Free Ramp (MBC 2011)



BARRIER-FREE RAMPS FOR A DWELLING UNIT

1. Handrail height shall be between 865 mm (2'-10") and 965 mm (3'-2")
2. Horizontal extension of handrail is not required.
3. Guard height of 900 mm (3'-0") is permitted where the difference in elevation between the landing/ramp and the ground is less than 1.8 m (6'-0") [MBC 9.8.8.3.(3)]



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Zoning & Permits Branch

Unit 31 - 30 Fort Street, Winnipeg, Manitoba R3C 4X7 | winnipeg.ca/ppd

Permits Direct Line

204-986-5140 | ppd-permit@winnipeg.ca

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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 By-law will take precedence.