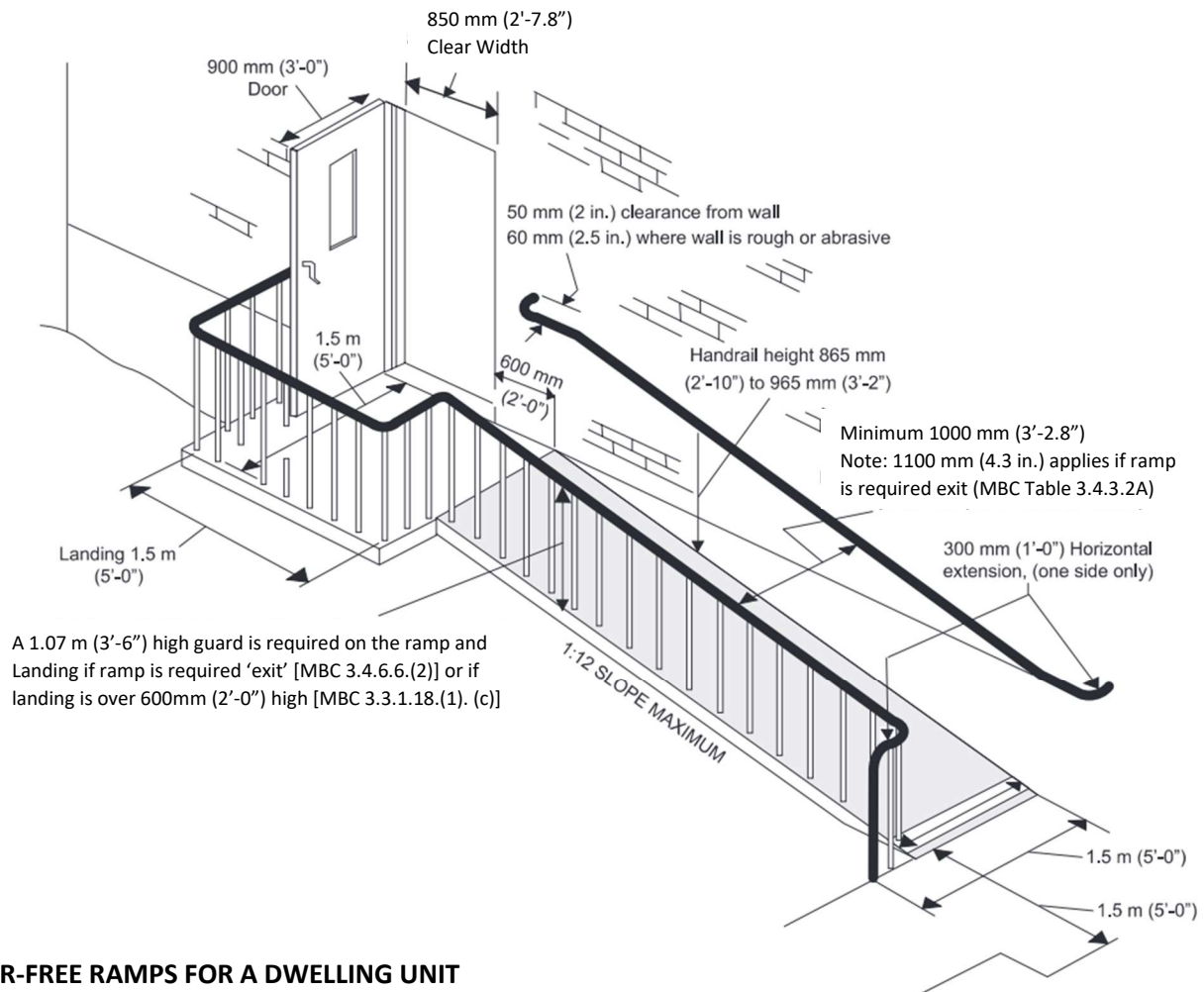# RAMPS
A guide to the Building Code requirements for barrier-free ramps

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 1.7 m x 1.7 m (5'-7" X 5'-7") at intervals not more than 9 m (29'-6") along its length and where there is a change in direction.
4. 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.
5. Handrails are required on both sides of ramp and, except where interrupted by doorways, be continuous throughout length of ramp, including landings.
6. 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.
7. Complete requirements are in the Manitoba Building Code (MBC) and amendments.
8. A building permit is required for the construction of a barrier-free ramp.

850 mm (2'-7.8")
Clear Width

900 mm (3'-0")
Door

50 mm (2 in.) clearance from wall
60 mm (2.5 in.) where wall is rough or abrasive

Handrail height 865 mm
(2'-10") to 965 mm (3'-2")

1.5 m
(5'-0")

600 mm
(2'-0")

Minimum 1000 mm (3'-2.8")
Note: 1100 mm (4.3 in.) applies if ramp
is required exit (MBC Table 3.4.3.2A)

Landing 1.5 m
(5'-0")

300 mm (1'-0") Horizontal
extension, (one side only)

A 1.07 m (3'-6") high guard is required on the ramp and
Landing if ramp is required 'exit' [MBC 3.4.6.6.(2)] or if
landing is over 600mm (2'-0") high [MBC 3.3.1.18.(1). (c)]

1:12 SLOPE MAXIMUM

1.5 m (5'-0")

1.5 m (5'-0")

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)].