

## COMMERCIAL RAMPS

**THESE ARE GENERAL GUIDELINES.**

**THERE MAY BE ADDITIONAL REQUIREMENTS DEPENDING ON THE SPECIFIC PROJECT.**

**PLEASE ASK IF YOU HAVE ANY QUESTIONS.**

### SLOPE

- Ramps shall have a running slope not steeper than 1:12.
- Cross slopes shall not be steeper than 1:48.

**TABLE 405.2—ALLOWABLE RAMP DIMENSIONS FOR CONSTRUCTION IN EXISTING SITES, BUILDINGS AND FACILITIES**

Slope <sup>1</sup>	Maximum Rise
Steeper than 1:10 but not steeper than 1:8	3 inches (75 mm)
Steeper than 1:12 but not steeper than 1:10	6 inches (150 mm)

<sup>1</sup>A slope steeper than 1:8 shall not be permitted.

### VERTICAL RISE

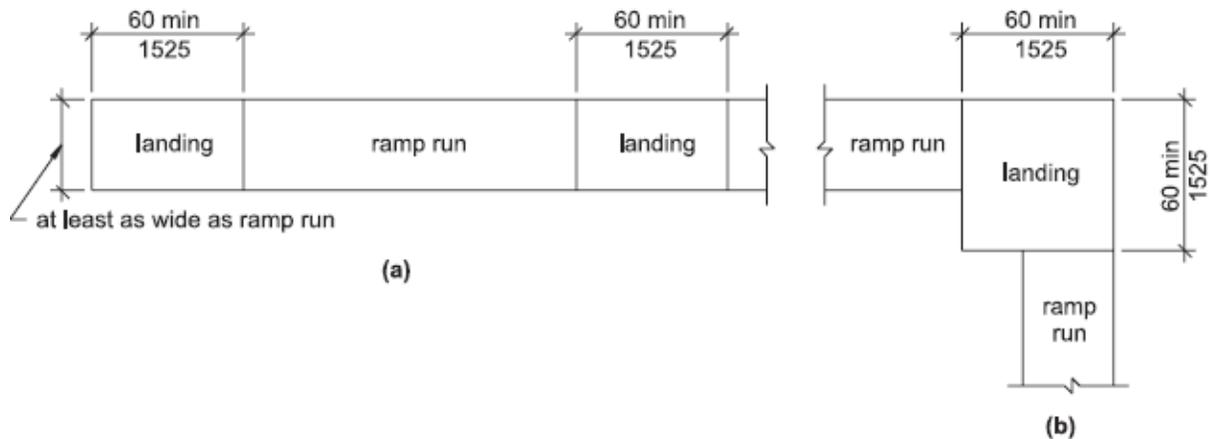
- The rise for any ramp run shall be 30" maximum.
- For elevation changes greater than 30", an intermediate landing will be required.

### MINIMUM WIDTH

- The width of ramps shall be determined by the occupant load.
- The minimum width of a ramp serving an occupant capacity of less than 50 persons shall be 36".
- If handrails are required, 36" minimum between handrails is required.
- Ramps serving an occupant load of 50 or more shall not be less than 44" in width and may require a wider width due to increased occupant load.

## LANDINGS

- Ramps shall have landings at the bottom and top of each ramp run, points of turning, and at doors.
- Landings shall have a slope not steeper than 1:48 in any direction.
- Landings shall be at least as wide as the ramp.
- The landing length shall be 60" minimum.
- Where changes in direction of travel occur at a landing between ramp runs, the landing shall be 60" by 60" minimum.
- Landings at doors require clearances for accessibility.

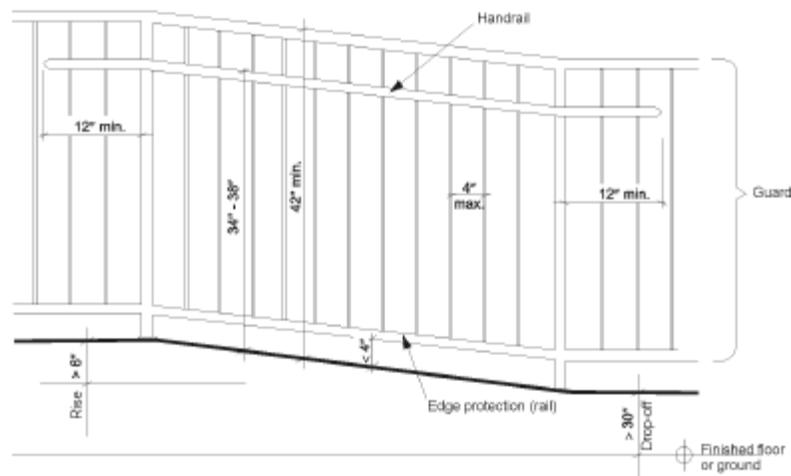


## HANDRAILS

- Ramps with a rise greater than 6" require graspable handrails on both sides. (See handout for Commercial Stairs, Railings, and Guards)

## GUARDS

- Ramps and landings more than 30" above a floor or grade below require guards.
- Guards shall be not less than 42" in height.
- Guards shall not have openings which allow passage of a sphere 4" in diameter.



## **EDGE PROTECTION**

- Edge protection shall be required on each side of ramp runs and each side of ramp landings.

