

521 CMR 22.00: **WALKWAYS**

22.1 **GENERAL**

Walkways shall include but not be limited to all *walks*, *sidewalks*, overpasses, bridges, tunnels, underpasses, plazas, courts and other pedestrian pathways, and shall comply with the following requirements:

22.2 **WIDTH**

Width of *walkways* shall be not less than 48 inches (48" = 1219mm), excluding curb stones. An unobstructed path of travel shall be provided which is at least 36 inches (36" = 914mm) *clear*, excluding curb stones.

22.3 **GRADE**

Walkways with a running slope greater than one-in-20 (1:20) (5%) are ramps and shall comply with **521 CMR 24.00: RAMPS**.

22.3.1 Nowhere shall the *cross slope* of *walkways* exceed one-in-50 (1:50) (2%). (Refer to 521 CMR 2.4.4d.)

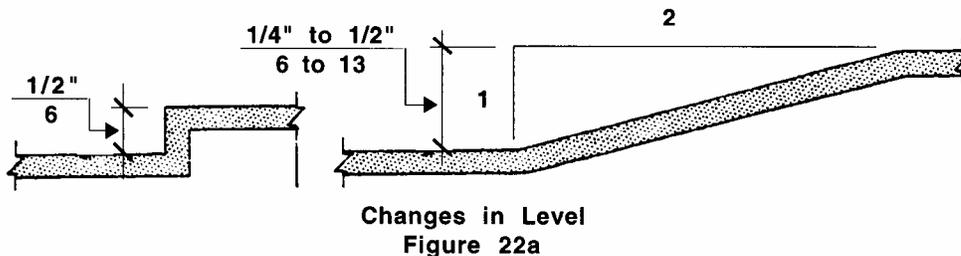
Exception: *Sidewalks* on streets and ways shall be considered *walkways*, with the exception that if the slope of the natural topography exceeds one-in-20 (1:20) (5%) a *ramp* is not required.

22.3.2 Nowhere shall the surface slope of any plaza area exceed one-in-50 (1:50) (2%).

22.4 **LEVEL CHANGES**

Walkways shall have continuous common surfaces, not interrupted by steps or changes in *level* greater than ¼ inch (¼" = 6mm).

22.4.1 Changes in *level* between ¼ inch and ½ inch (¼" and ½" = 6mm and 13mm) shall be beveled with a slope no greater than 1:2 (50%). See **Fig. 22a**.



22.4.2 Changes in level greater than ½ inch (½" = 13mm) shall require a *curb cut*, *walkway*, *ramp*, elevator, or platform lift that complies with **521 CMR 21.00: CURB CUTS**, **521 CMR 22.00: WALKWAYS**, **521 CMR 24.00: RAMPS** or **521 CMR 28.00: ELEVATORS**.

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22.5 **SURFACE**

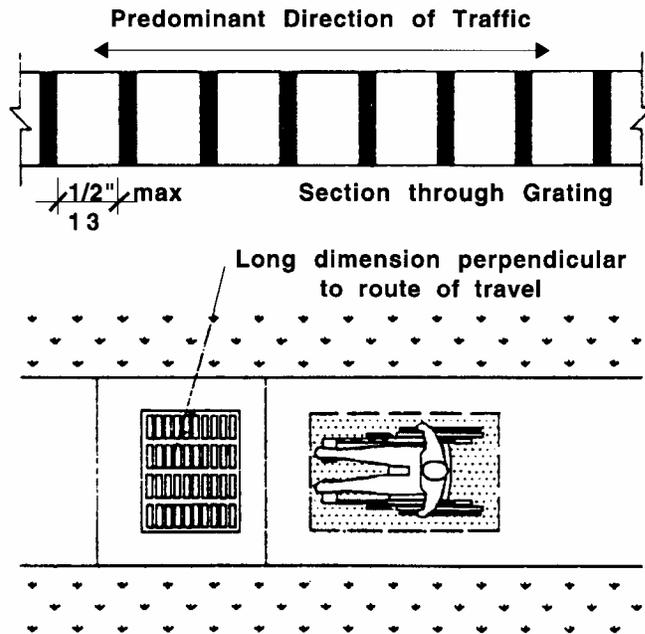
Walkway surfaces shall be stable, and firm and shall lie generally in a continuous plane with a minimum of surface warping.

22.6 **DRAINAGE**

Grading and drainage shall be designed to minimize pooling of water or accumulation of ice or flow of water across *walkways*.

22.7 **GRATINGS**

If gratings are located in walking surfaces, they shall have spaces no greater than 1/2 inch (1/2" = 13mm) wide in the direction of the flow of travel. If gratings have elongated openings, then they shall be placed so that the long dimension is perpendicular to the dominant direction of travel. See **Fig. 22b**.



**Gratings
Figure 22b**

22.8 **INTERSECTIONS**

Wherever a *walkway* crosses or joins streets, public ways, driveways or parking lots, it shall comply with the following:

22.8.1 The intersecting surfaces shall blend to a common *level* with a slope no greater than 1:20 (5%), or a *curb cut* shall be installed in compliance with **521 CMR 21.00: CURB CUTS**.