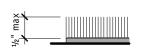
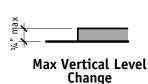
Level Changes

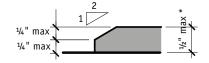


A slope of 1:2 is equivalent to a 30° slope from the horizontal

*3/4" allowed for existing thresholds with a 1:2 max slope

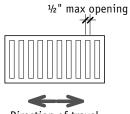
Carpet Pile Height





Max Level Change without ramp typ @ threshhold

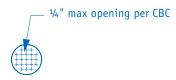
Openings In Floor Surfaces



• Long dimension of openings perpendicular to direction of travel



Grates



Shower Floor Drains

Walking Surfaces

Notes:

- Ground and floor surfaces are stable, firm, and slip resistant with the exception of sports activity areas
- Walking surfaces have a cross slope of 1:48 maximum with a slope of 1:20 or less in the direction of travel, except for the running slopes on sidewalks which are a maximum slope matching the general grade of the adjacent street in the direction of travel per CBC
- Walking surfaces greater than a 1:20 slope are considered curb ramps or pedestrian
- Level area is defined as having a maximum slope in any direction of 1:48
- Sloped walkways have a 60" deep minimum level area (1:48 or less) in the direction of travel at 400 LF maximum for the full width of the walkway per CBC
- Walking surfaces with an abrupt change in level exceeding 4" at the edge require a 6" height curb or a guide rail if a hand or guard rail exists per CBC
- Changes in level and thresholds can be vertical up to ¼" maximum height, and changes between $\frac{1}{2}$ " to $\frac{1}{2}$ " should have a bevel with a 1:2 slope maximum ($\approx 30^{\circ}$); changes in level more than ½" should be ramped except at areas of sports activities
- Thresholds have a ½" maximum height change with ¼" vertical and from ¼" to ½" at a 1:2 maximum slope; existing thresholds can be 3/4" with a 1:2 maximum bevel on each side per CBC
- Carpet and carpet tiles have ½" maximum height pile and are securely attached to the floor with firm or no pad with all exposed edges trimmed and fastened to the floor
- Openings in ground and floor surfaces are ½" maximum whether in grates, tree wells, or between pavers with the exceptions of the elevator/lift hoistway edge to car platform edge, and rail platforms at track crossings
- Elongated openings are ½" maximum in walking surfaces with the ½" slot openings perpendicular to the direction of travel
- Shower floors have a 1:48 maximum slope and drains in showers have grates flush with the adjacent floor surface with openings of ¼" maximum per CBC

Walking Surfaces – Sources

ADA Sources

302 Floor or Ground Surfaces

302.2 Carpet

302.3 Openings

303 Changes in Level

305.2 Clear Floor or Ground Space - Floor or Ground Surfaces

403.3 Walking Surfaces - Slope

404.2.5 Thresholds

407.4.3 Elevator Car Requirements - Platform to Hoistway Clearance

410.4 Platform Lifts - Platform to Runway Clearance

810.10 Transportation Facilities - Track Crossings

CBC Sources (sources shown in blue italics differ from ADA)

11B-302 Floor or Ground Surfaces

11B-302.2 Carpet

11B-302.3 Openings

11B-303 Changes in Level

11B-305.2 Clear Floor or Ground Space - Floor or Ground Surfaces

11B-403.3 Walking Surfaces - Slope

11B-403.7 Walking Surfaces - Continuous Gradient

11B-404.2.5 Thresholds

11B-407.4.3 Elevator Car Requirements - Platform to Hoistway Clearance

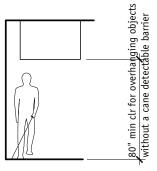
11B-410.4 Platform Lifts - Platform to Runway Clearance

11B-608.9 Shower Floor or Ground Surface

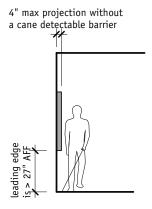
11B-810.10 Transportation Facilities - Track Crossings

Advisory 11B-302.1 Floor or Ground Surfaces - General

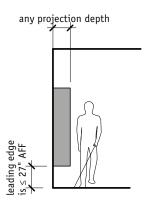
Overhanging Objects



Projecting Objects







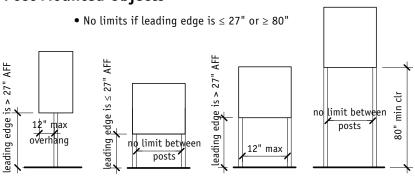
Leading Edge ≤ 27" AFF

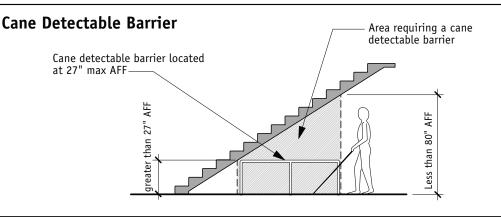
Protruding & Overhanging Objects

Notes:

- Protruding objects can project into a circulation path but can not reduce the required clear width on an accessible route
- Objects can project from a vertical surface 4" maximum when the leading edge is above 27" above finished floor (AFF) and below 80" AFF, unless there is a cane detectable barrier
- Objects can project or overhang any amount if the leading edge is either 80" or more AFF or 27" or less AFF, otherwise a cane detectable barrier is required
- Post-mounted objects can overhang 12" maximum when the leading edge is above 27" AFF and below 80" AFF unless there is a cane detectable barrier
- Double post-mounted objects can have 12" maximum clear between posts if the leading edge is greater than 27" AFF and less than 80" AFF otherwise a cane detectable barrier is required
- Handrails are allowed to protrude from the face of the wall 4½" maximum, 3½" maximum into the required clear width on both sides of ramps, and no protrusion in the required clear width at stairs per CBC
- Sloping portions only of stairs and ramp handrails can project from a post more than 12"
- Where a guy support is located parallel to a circulation path a guy brace, sidewalk guy, or similar device is required per CBC
- Within areas of sports activity there is no projection limitation into circulation paths
- All accessible van parking stalls, their access aisle, and the full vehicular route from the entry, to the stall, and to the exit has a 98" minimum clear height per CBC
- Provide vertical clearance of 114" minimum for all passenger loading areas, the accessible pull up space, loading area, and the 1 full vehicular route serving the area
- Edges of post-mounted objects have a 1/8" min radius if less than 80" above grade per CBC
- ullet No projections into the required clear opening width on a door below 34" AFF and 4" maximum projection between 34" AFF and 80" AFF with the exception in alterations of a %" door stop on the latch side
- Door stops and closers are 78" minimum AFF

Post Mounted Objects





Protruding & Overhanging Objects – Sources

ADA Sources

204.1 Protruding Objects - General - Exceptions - 1

307 Protruding Objects

404.2.3 Manual Doors, Doorways... - Clear Width

502.5 Parking Spaces - Vertical Clearance

503.5 Passenger Loading Zones - Vertical Clearance

CBC Sources (sources shown in blue italics differ from ADA)

11B-204.1 Protruding Objects - General - Exceptions - 1

11B-307 Protruding Objects

11B-404.2.3 Manual Doors, Doorways... - Clear Width

11B-405.5 Ramps - Clear Width

11B-502.5 Parking Spaces - Vertical Clearance

11B-503.5 Passenger Loading Zones - Vertical Clearance