

12d. Vertical Clearance [CBC 11B-307.4].

- 1) **General.** Except for doors and doorstops, along circulation paths, the minimum vertical clearance shall be 80-inches. At doorways, the minimum vertical clearance is 78-inches. Guardrails with a leading edge maximum 27 inches AFF or above the ground surface or other barriers shall be provided where the vertical clearance is less than 80 inches.
- 2) **Guy Braces** [CBC 11B-307.4.1]. Where a guy support is used within 24-inches of a circulation path, a vertical guy support, a sidewalk guy or similar device shall be used to prevent an overhead obstruction within 80-inches.

13. Aisle Accessway and Aisles within Assembly Areas such as Restaurants and Bars.

13a. **Seating at Tables and Counters** [CBC 1029.13.1]. Where seating occurs at tables and counters, the required aisles shall be shown at least 19-inches perpendicular and parallel to the edge of the table/counter.

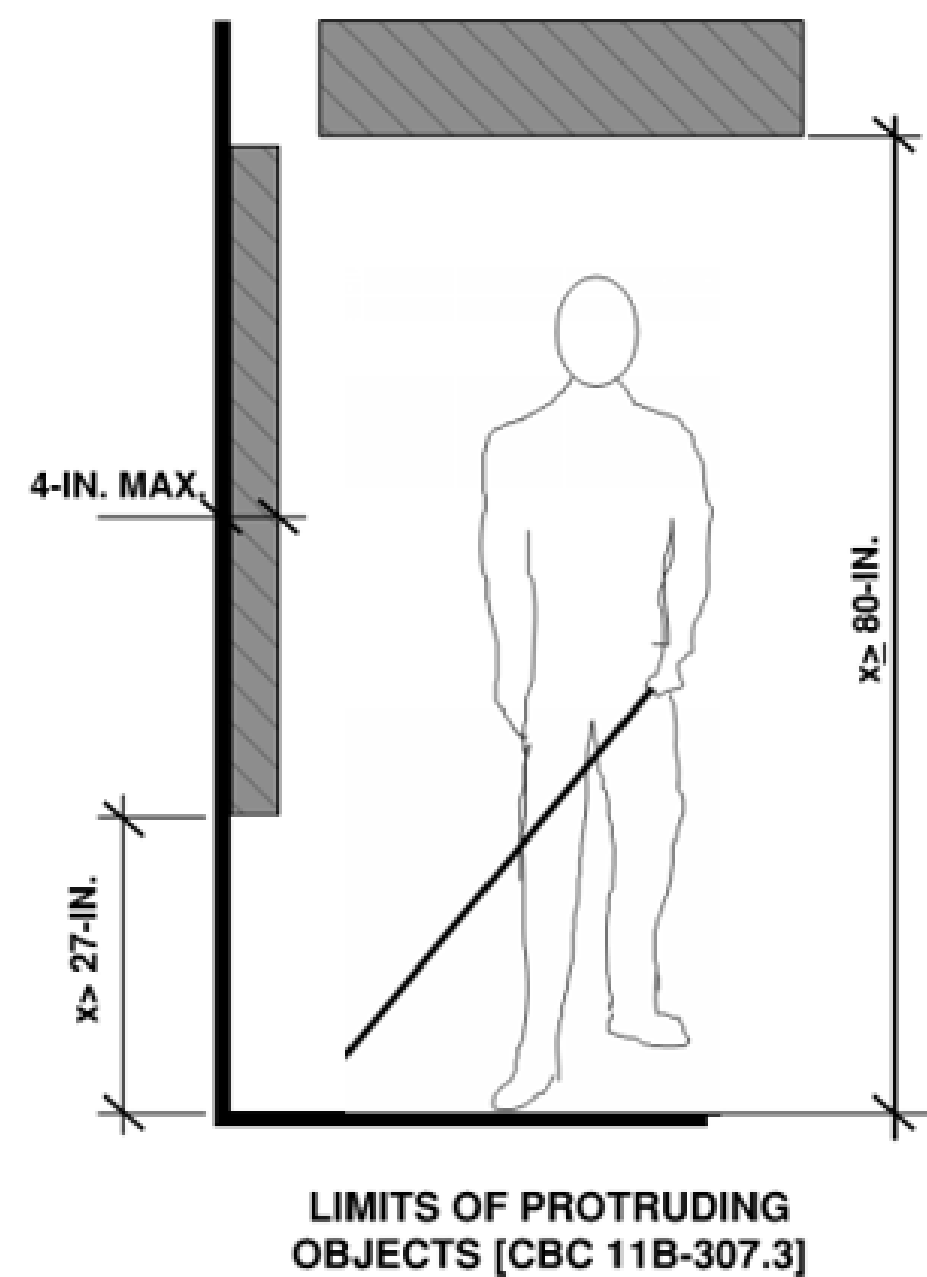
13b. **Aisle Accessways: Seating at Tables** [CBC 1029.13.1]. Aisle accessways shall be shown at least 12-inches wide plus 1/2-inch of width for each additional foot beyond 12-feet of aisle accessway length as measured from the center of the seat to the furthest from an aisle. The length of travel along the aisle accessway shall not exceed 30 feet from any seat to the point where the person has a choice of two or more paths of egress travel to separate exits.

13c. **Aisle Accessways: Clear Width of Aisle Accessways Serving Seating in Rows** [CBC 1029.13.2].

- 1) **Dual Access** [CBC 1029.13.2.1]. Where the seating row is served by an aisle or means of egress at each end, the aisle accessway shall be shown at least 12-inches wide but need not exceed 22-inches wide. The width of the aisle accessway shall be increased by 0.3 inches for each additional seat beyond 14 where the seats have a backrest or beyond 21 where the seats are without a backrest.
- 2) **Single Access** [CBC 1029.13.2.2]. Where the seating row is served by an aisle or means of egress on only one end, the aisle accessway shall be shown at least 12-inches wide but need not exceed 22-inches wide. The width of the aisle accessway shall be increased by 0.6 inches for each additional seat beyond 7 where the seats have a backrest or beyond 10 where the seats are without a backrest.
- 3) **Aisle Accessways in Smoke Protected or Open Air Assemblies.** Aisle accessways in smoke protected or open air assemblies shall be at least 12-inches wide and shall be increased as identified above based upon the number of seats shown with in CBC Table 1029.13.2.1.

13d. **Aisle Width Requirements.** Where used as a means of egress, aisles shall be shown to accommodate the occupant load based upon 0.2 inches per occupant as required by CBC 1005.3.2. Where serving elements on each side and where serving an accessible path of travel to the restroom facilities, the minimum clear width of the aisles shall be at least 44-inches wide. Where serving elements only on one side and is not the only accessible route of travel to the restroom facilities, the minimum clear aisle width may be 36-inches so long the aisle is not the required accessible path of travel to the restroom facility.

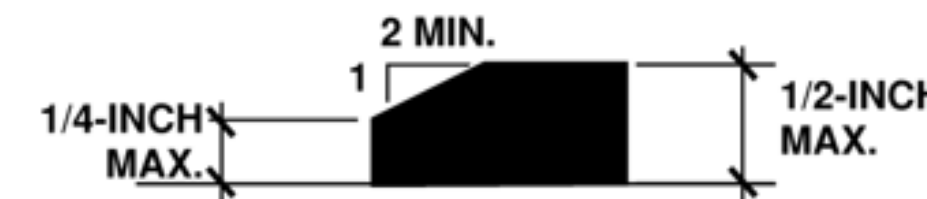
- 8b. **Corridors.** Corridors serving 10 or more occupants shall have a clear width of at least 44-inches.
- 8c. **Walks and Sidewalks** [CBC 11B-403.5.1, Requirement 3]. Unless the walks or sidewalks are restricted as identified in CBC 11B-403.5.1, walks and sidewalks shall be minimum 48-inches wide.
- 8d. **Aisles** [CBC 11B-403.5.1, Requirement 4]. Where serving elements on two sides, aisles shall be at least 44-inches wide (220 maximum occupant load capacity) and where serving elements on one side, aisles shall be at least 36-inches wide (180 maximum occupant load capacity).
- 8e. **Route to Accessible Toilet Compartments** [CBC 11B-403.5.1, Requirement 5]. Except for the door openings, accessible routes to accessible toilet compartments shall be at least 44-inches wide.
9. **Clear Width at Turns** [CBC 11B-403.5.2]. Where the accessible route makes a 180-degree turn around an element which is less than 48-inches wide, the turn shall be shown 60-inches wide where the approach to and leaving the turn is less than 42-inches, otherwise the width of the turn shall be at least 48-inches wide.
10. **Passing Spaces** [CBC 11B-405.5.3]. An accessible route with a clear width of less than 60-inches shall provide passing spaces at maximum intervals of two 200 feet. The passing spaces shall be either at least 60-inches by 60-inches or shall be a T-shaped intersection complying with the turning space provisions of CBC 11B-304.3.2 where the arms and base of the T-shaped space extends at least 48-inches beyond the intersection.
11. **Continuous Gradient.** Walks greater than 400 feet in length with continuous gradients shall have resting areas at least 60-inches in length and as wide as the walk that is relatively flat with slopes that do not exceed 1v:48h in any direction.
12. **Protruding Objects** [CBC 11B-204 and 11B-307].
 - 12a. **Scoping** [CBC 11B-204]. Except for within areas of sport activities and play areas objects that protrude into circulation paths shall be shown to comply with CBC 11B-307.
 - 12b. **Limitations** [CBC 11B-307.2]. Objects that protrude into circulations paths that are more than 27-inches and up to 80-inches AFF or above the ground surface shall be limited to 4-inches maximum.



12c. **Post-Mounted Objects** [CBC 11B-307.3].

- 1) Except for sloping portions of handrails serving a stairway or ramp, protrusions of free-standing objects mounted on posts or pylons into circulation paths that are located more than 27-inches and up to 80-inches AFF or above the ground surface shall be limited to 12-inches.
- 2) Where a sign or object is mounted between posts or pylons and the clear distance between the posts or pylons is greater than 12-inches, the lowest edge of the sign or obstruction shall not exceed 27-inches or 80-inches minimum AFF or above the ground surface.
- 3) **Edges and Corners** [CBC 11B-307.3.1]. Where signs or other objects are mounted in posts or pylons and their bottoms are less than 80 inches AFF or above the ground surface, the edges of the signs or objects shall be rounded or eased with a minimum radius of 1/8-inch.

5. **Surface Slopes** [CBC 11B-403.3]. Except as provided for sidewalks adjacent to highways and the 1v:12h (8.33 percent maximum) running slopes for ramps or curb ramps, running slopes for walking surfaces shall be 1v:20h (5-percent) maximum and cross-slopes for the surfaces shall be shown at 1v:48h (2-percent).
6. **Changes in Level** [CBC 11B-303 as referenced from CBC 11B-403.4].
 - 6a. **General** [CBC 11B-303.1]. Except for animal containment areas and areas of sport activities, where changes in levels are permitted along an accessible route, they shall be shown to comply with the provisions of CBC 11B-303.
 - 6b. **Maximum Vertical Change in Level** [CBC 11B-303.2]. The maximum vertical change in levels along an accessible route shall not be shown more than 1/4-inch.
 - 6c. **Changes in Levels Up To 1/2-inch** [CBC 11B-303.3]. Changes in levels along an accessible route up to a maximum height of 1/2-inch may be made with the change between 1/4-inch to 1/2-inch beveled with a slope not to exceed 50-percent (1v:2h).



- 6d. **Ramps** [CBC 11B-303.4]. Changes in levels above 1/2-inch shall be shown in compliance with the provisions of CBC 11B-405 for ramps or 11B-406 for curb ramps whose running slopes do not exceed 1:12 (8.33 percent).
- 6e. **Abrupt Changes in Levels** [CBC 11B-303.5]. Except between a walk or sidewalk and a vehicular way, or as provided in CBC 11B-247.1.2.6 for reflecting pools, or where protected by barrier in such as a handrail or guard with a guide rail centered 2-inches minimum to 4-inches maximum above the walking surface, abrupt changes 4-inches or more in levels between walks, sidewalks, and other pedestrian ways and the adjacent surfaces or features shall be protected by a warning curb at least 6-inches high.
7. **Circulation Paths Contiguous to Vehicular Traffic** [CBC 11B-250 (effective July 1, 2021)].
 - 7a. **General.** Circulation paths contiguous to vehicular traffic shall be physically separated from the vehicular traffic. Physical separation shall be provided with raised circulation paths that are at least 4-inches above the area where the vehicular traffic occurs or one of the other options identified within CBC 11B-250.
 - 7b. **Provisions of CBC 11B-247.** Within vehicular traffic areas—
 - 1) The provisions of CBC 11B-247 may be used where necessary to connect raised circulation paths and pedestrian crossings.
 - 2) Blended transitions and cut-through medians complying with CBC 11B-247 may be used to connect circulation paths at similar elevations with the vehicular traffic areas
 - 7c. **Public Right-of-Way Exemptions.** Locations where sidewalks and walks within the public right-of-way cross driveways without yield or stop traffic controls, compliance with CBC 11B-2250 is not required.
 - 7d. **Crossing of Driveways and Drive Aisles.** Where the circulation path crosses driveways or drive aisles—circulation paths need not comply with the provisions of CBC 11B-250 and detectable warnings are NOT PERMITTED.
 - 7e. **Exemptions to Raised Circulation Paths.** The access aisles for accessible parking complying with CBC 11B-502 and EV charging spaces complying with 11B-812, as well as passenger loading zones in compliance with CBC 11B-503.
 - 7f. **Alterations.** For alterations to existing parking facilities only, separations between circulation paths and vehicular traffic may be made with detectable warnings complying with CBC 11B-247 and 11B-705.

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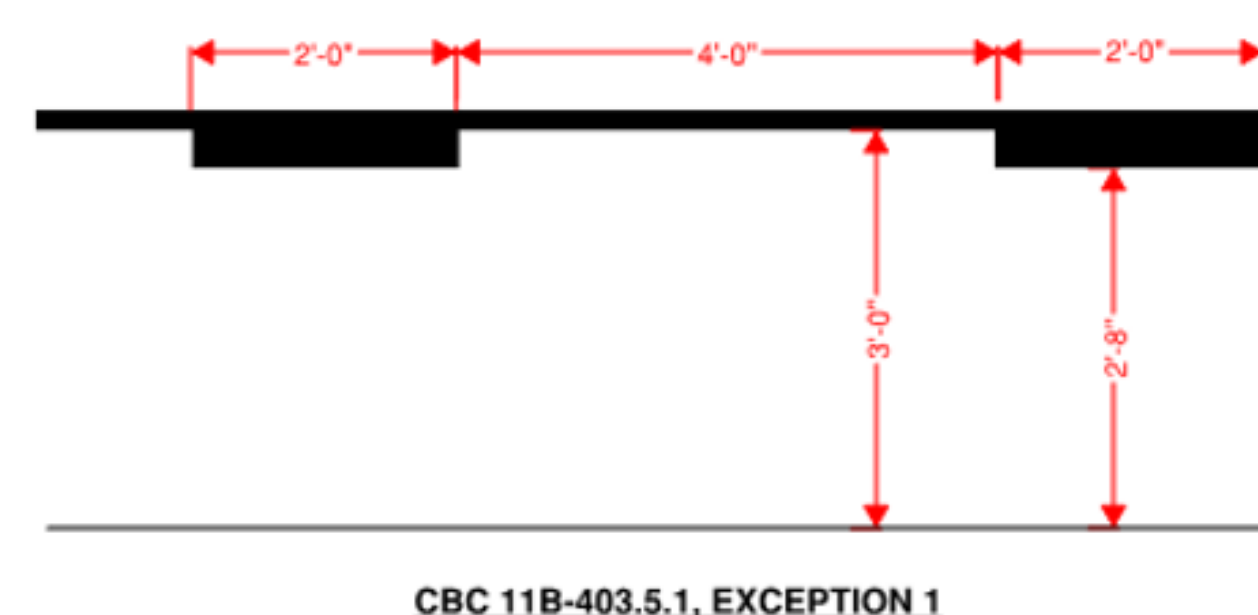
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8. **Clearances of Accessible Routes** [CBC 11-403.5.1].

8a. **Clear Width Requirements at Columns, Pilasters and Similar Obstructions** [CBC 11B-403.5.1, Exception 1]. Where doorways, columns, pilasters, and similar obstructions encroach into the required widths, the clear width is permitted to be reduced to 32-inches minimum for a maximum length of 24-inches provided that the reduced width segments are separated by minimum 48-inch long segments that provide a minimum 36-inch width.



C. **ACCESSIBLE ROUTES**

1. **General.** Accessible routes shall be provided in accordance with the general scoping provisions of CBC 11B-206, the provisions of 11B-247 to separate pedestrian ways from hazards, and the circulation path provisions of CBC 11B-250 where applicable to new construction, as well as the general provisions of CBC Chapter 11B, Division 4 for accessible routes of travel.

1a. **Site Arrival Points** [CBC 11B-206.2.1]. At least one accessible route of travel shall be provided from site arrival points and the accessible entrances that they serve.

1b. **Connection of Facilities Within the Site** [CBC 11B-206.2.2]. At least one accessible route within the site shall be shown to connect all accessible facilities, accessible elements, and accessible space within the site.

1c. **Restaurants, Bars, Banquet Facilities, and Cafeterias** [CBC 11B-206.2.5]. Except as provided in CBC 11B-206.2.5 for alterations or building or facilities and for sport facilities with tiered dining areas, within restaurants, bars, banquet facilities, and cafeterias, an accessible route shall be provided between all functional areas, including raised, sunken, and outdoor areas.

1d. **Employee Work Areas** [CBC 11B-206.2.8]. Except for common use circulation paths located within employee work areas that are an integral component of work area equipment and outdoor work areas that are fully exposed to weather, common use circulation paths within employee work areas shall be shown to comply with the accessible route requirements of CBC 11B-402.

1e. **Pedestrian Crossings** [CBC 11B-206.2.19]. Where walks or sidewalks cross a vehicular way, a curb ramp, blended transition, or a combination of curb ramps and blended transitions shall be provided. And the curb ramp (exclusive of the flared sides) or blended transition shall be shown wholly within the width of the pedestrian crossing served.

1f. **Location** [CBC 11B-206.3]. Accessible routes shall be shown coincide with or be in the same area as the general circulation path.

2. **Existing Buildings and Facilities with Inaccessible Entrances** [CBC 11B-216.6]. In existing buildings with inaccessible entrances that do not comply with the provisions of CBC 11B-404—

2a. Entrances that do comply with the provisions of CBC 11B-404 shall be identified with International Symbol of Accessibility complying with Section 11B-703.7.2.1; and

2b. Directional signs identifying the accessible route to the nearest accessible entrance complying with the visual requirements of CBC 11B-703.5 shall be provided at the junction where the accessible path diverges from the inaccessible path.

3. **Components of Accessible Routes** [CBC 402.3]. Accessible routes shall be shown to consist of walking surfaces with slopes not steeper than 1v:20h, doorways, ramps, curb ramps, elevators, and platform lifts.

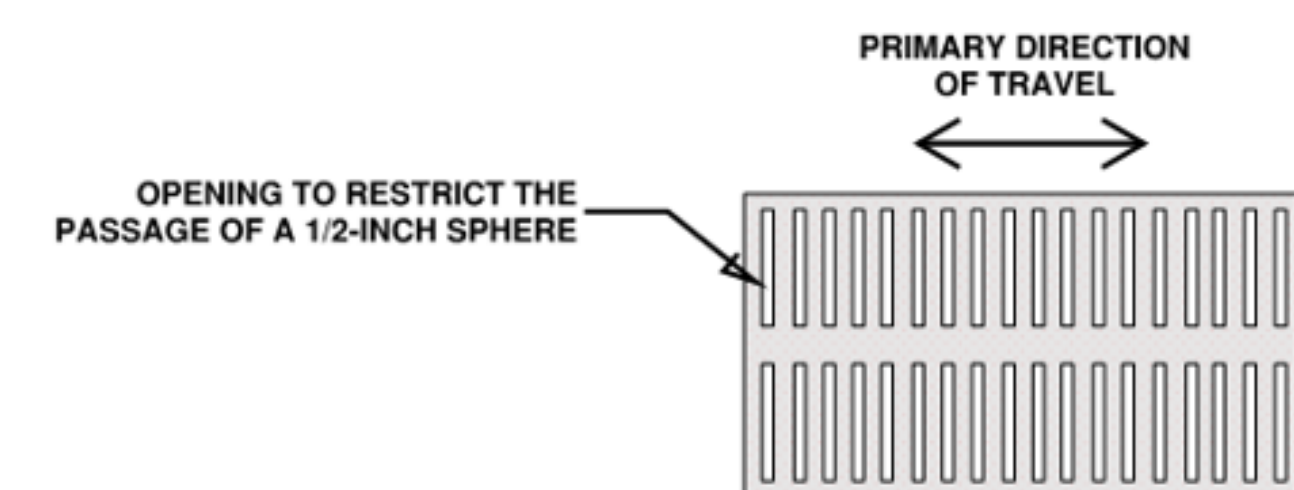
4. **Ground or Floor Walking Surfaces** [CBC 11B-302 as referenced from CBC 11B-403.2].

4a. **General** [CBC 11B-302.1]. Ground and floor surfaces along accessible routes of travel shall be stable, firm, and slip resistant.

4b. **Carpets** [CBC 11B-302.2]. Carpets and carpet tiles shall be securely attached and shall have a firm pad, backing, or cushion, or no pad or cushion. Carpets or carpet tile shall have a level loop, textured loop, level cut pile, or a level cut/uncut pile texture with a maximum height of 1/2-inch. Exposed edges of carpet shall be securely fastened to the floor and shall be shown with trim complying with the change in level provisions of CBC 11B-303 the full length of the edge.



4c. **Openings** [CBC 11B-302.3]. Except as provided for in CBC 11B-407.4.3 and 11B-409.4.3 for elevator hoistway clearances, 11B-410.4 for platform lifts, 11B-810.5.3 for rail platforms, and 11B-810.10 for track crossings, openings in ground or floor surfaces shall resist the passage of a 1/2-inch sphere. Elongated openings shall be places so that the long dimension is perpendicular to the primary direction of travel.



ACCESSIBLE ROUTES AISLE ACCESSWAYS AND AISLES

DATE