GENERAL

a. Revolving doors, gates and turnstiles shall not be part of an accessible route.
b. Width: 32” clear min. (Opening more than 24” deep shall be 36” clear min.)
c. Thresholds: ½” max height
d. Hardware:
   • Operable parts shall be operable with one hand and shall not required tight grasping, pinching or twisting of wrist.
   • Located 34” – 44” above finish floor
e. Opening Force:
   • Interior and Exterior hinged doors, sliding or folding doors: 5 lb. max.
   • Fire doors: 15 lb. max.
f. Kick Plate: Bottom 10” high smooth surface on the push side of door or gate.

DOOR HARDWARE AND MOUNTING HEIGHT

MINIMUM DOOR CLEAR WIDTH
TYPICAL LOCATION AND INFORMATION FOR DOOR HARDWARE

- **Door Closers Shall Be Adjusted So That From An Open Position Of 90° The Time Required To Move The Door To a Position Of 12° From The Latch Is 5 Seconds Minimum.**

- **Door Spring Hinges Shall Be Adjusted So That From The Open Position Of 70°, The Door Or Gate Shall Move To The Closed Position In 1.5 Seconds Minimum.**

- **Interior & Exterior Door Opening Force : 5 lbs Max**

- **Fire Door Shall Have a Opening Force of 15 lbs Max**

- **60° Open From FF For Standard Door Viewer**

- **43° Open From FF For ADA Door Viewer**

- **Operable Parts Shall Be Operable With One Hand And Shall Not Require Tight Grasping, Pinching, Or Twisting Of The Wrist. The Force Required To Activate Operable Parts Shall Be 5 lbs Maximum.**

- **Surface Within 10° On The Push Side Are Required To Be Smooth -1/16" Of The Same Plane As The Other. Tempered Glass Doors Without Stiles And Having A Bottom Rail Or Shoe With The Top Leading Edge Tapered At 60° Minimum From The Horizontal Shall Not Be Required To Meet The 10° Bottom Smooth Surface Height Requirement.**

- **Mount Kickplates Flush To The Bottom Of The Door. Undersize 1 1/2" Less Door Width on Push Side of Opening.**

- **Thresholds - 3/8" w/1 in 2 Rise Max. Allowed**

- **Bottom Of Frame Standard Door Undercut 3/4" - ½"**

- **Vision Lights: Doors and side lights adjacent to doors containing one or more glazing panels that permit viewing through the panels shall have the bottom of at least one glazed panel located 43" max above the finish floor.**
# Maneuvering Clearance at Swinging Doors and Gates

**2016 California Building Code - Section 11B-404**

**General Requirements for Doors and Landings**

## Maneuvering Clearances at Manual Swinging Doors and Gates

<table>
<thead>
<tr>
<th>Approach direction</th>
<th>Door or gate side</th>
<th>Perpendicular to doorway</th>
<th>Parallel to doorway (beyond latch side unless noted)</th>
</tr>
</thead>
<tbody>
<tr>
<td>From front</td>
<td>Pull</td>
<td>60 inches (1524 mm)</td>
<td>18 inches (457 mm)</td>
</tr>
<tr>
<td>From front</td>
<td>Push</td>
<td>48 inches (1219 mm)</td>
<td>0 inches (0 mm)</td>
</tr>
<tr>
<td>From hinge side</td>
<td>Pull</td>
<td>60 inches (1524 mm)</td>
<td>36 inches (914 mm)</td>
</tr>
<tr>
<td>From hinge side</td>
<td>Push</td>
<td>44 inches (1118 mm)</td>
<td>22 inches (559 mm)</td>
</tr>
<tr>
<td>From latch side</td>
<td>Pull</td>
<td>60 inches (1524 mm)</td>
<td>24 inches (610 mm)</td>
</tr>
<tr>
<td>From latch side</td>
<td>Push</td>
<td>44 inches (1118 mm)</td>
<td>24 inches (610 mm)</td>
</tr>
</tbody>
</table>

**Table 11B-404.2.4.1**

**NOTE:**
1. Add 12 inches (305 mm) if closer and latch are provided.
2. Add 4 inches (102 mm) if closer and latch are provided.
3. Beyond hinge side:
4. Add 4 inches (102 mm) if closer is provided.
5. Add 5 inches (127 mm) at exterior side of exterior doors.

---

**Front Approach**

**Hinge Approach**

**Latch Approach**

**Door Located in a Recess or Alcove**
MANEUVERING CLEARANCE AT DOORWAY WITHOUT DOORS OR GATES.
MANUAL SLIDING DOORS AND MANUAL FOLDING DOORS

TABLE 11B-404.2.4.2
MANEUVERING CLEARANCES AT DOORWAYS WITHOUT DOORS OR
GATES, MANUAL SLIDING DOORS, AND MANUAL FOLDING DOORS

<table>
<thead>
<tr>
<th>Approach direction</th>
<th>Perpendicular to doorway</th>
<th>Parallel to doorway (beyond stop/latch side unless noted)</th>
</tr>
</thead>
<tbody>
<tr>
<td>From front</td>
<td>48 inches (1219 mm)</td>
<td>0 inches (0 mm)</td>
</tr>
<tr>
<td>From side¹</td>
<td>42 inches (1067 mm)</td>
<td>0 inches (0 mm)</td>
</tr>
<tr>
<td>From pocket/hinge</td>
<td>42 inches (1067 mm)</td>
<td>22 inches (559 mm)²</td>
</tr>
<tr>
<td>From stop/latch</td>
<td>42 inches (1067 mm)</td>
<td>24 inches (610 mm)</td>
</tr>
</tbody>
</table>

¹. Doorway with no door only.
². Beyond pocket/hinge side.

FIGURE 11B-404.2.4.2
MANEUVERING CLEARANCES AT DOORWAYS WITHOUT DOORS, SLIDING DOORS, GATES, AND FOLDING DOORS
**DOORS IN SERIES** (CBC 11B-404.2.6)

Distance between two hinged or pivoted doors in series shall be 48” minimum plus the width of door swinging into the space.

![Diagram of doors in series](image)

**POWER-ASSISTED DOORS** (CBC 11B-404.3)

a. **Control:** Sensing devices, push plates or vertical actuation bars shall be placed on both the interior and exterior sides of the doors (CBC 11B-404.2.9 Exception C).

b. **Height of Push Plate:** Two push plates shall be provided at each location.
   - Low Push Plate: centerline of plate shall be 7”-8” AFF
   - High Push Plate: centerline of plate shall be 30”-44” AFF

c. **Size of Push Plate:** 4” diameter min OR 4”x4” square plate with International Symbol of Accessibility.

d. **Maneuvering Clearance:** Shall comply with Section 11b-404.2.4

![Diagram of power-assisted doors](image)