GENERAL REQUIREMENTS FOR DOORS AND LANDINGS
2013 CBC 11B-404

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

![Diagram of door hardware and mounting height](Diagram.png)

**MINIMUM DOOR CLEAR WIDTH**
GENERAL REQUIREMENTS FOR DOORS AND LANDINGS
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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° from FF For Standard Door Viewer

43° 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 ½" Less Door Width on Push Side of Opening.

- Thresholds -½” w/1 in 2 Rise Max. Allowed

- Finish Floor

- No Projections Allowed Lower Than 34” Above The Finish Floor

- 78” Minimum Height Allowed From Finish Floor To Stop

- Projections Between 34” & 60” FF shall not exceed 4”

- 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

- Operation Of Hardware, 36” above Finish Floor

- Standard Door Undercut ¾” – ¾”
GENERAL REQUIREMENTS FOR DOORS AND LANDINGS
2013 CBC 11B-404

MANEUVERING CLEARANCE AT SWINGING DOORS AND GATES

TABLE 11B-404.2.4.1
MANEUVERING CLEARANCES AT MANUAL SWINGING DOORS AND GATES

<table>
<thead>
<tr>
<th>Approach direction</th>
<th>TYPE OF USE</th>
<th>MINIMUM MANEUVERING CLEARANCE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Door or gate side</td>
<td>Perpendicular to doorway</td>
</tr>
<tr>
<td>From front</td>
<td>Pull</td>
<td>60 inches (1524 mm)</td>
</tr>
<tr>
<td>From front</td>
<td>Push</td>
<td>48 inches (1219 mm)</td>
</tr>
<tr>
<td>From hinge side</td>
<td>Pull</td>
<td>60 inches (1524 mm)</td>
</tr>
<tr>
<td>From hinge side</td>
<td>Push</td>
<td>44 inches (1118 mm)²</td>
</tr>
<tr>
<td>From latch side</td>
<td>Pull</td>
<td>60 inches (1524 mm)</td>
</tr>
<tr>
<td>From latch side</td>
<td>Push</td>
<td>44 inches (1118 mm)⁴</td>
</tr>
</tbody>
</table>

1. Add 12 inches (305 mm) if closer and latch are provided.
2. Add 4 inches (102 mm) if closer and latch are provided.
4. Add 4 inches (102 mm) if closer is provided.
5. Add 6 inches (152 mm) at exterior side of exterior doors.

NOTE: 48” MINIMUM IF DOOR HAS BOTH A LATCH AND A CLOSER

HINGE APPROACH

LATCH APPROACH

DOOR LOCATED IN A RECESS OR ALCOVE

Provide this additional space if door is equipped with both a latch and a closer.

CLEAR AT EXTERIOR DOORS
CLEAR AT INTERIOR DOORS

PULL SIDE

FRONT APPROACH

24” MIN

18” MIN

12” MIN

48” MIN

54” MIN

* NOTE: 48” MINIMUM IF DOOR HAS BOTH A LATCH AND A CLOSER

PUSH SIDE

PULL SIDE

24” MIN

* NOTE: 48” MINIMUM IF DOOR HAS A CLOSER

PUSH SIDE
GENERAL REQUIREMENTS FOR DOORS AND LANDINGS
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MANEUVERING CLEARANCE AT DOORWAYS 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 side(^1)</td>
<td>42 inches (1067 mm)</td>
<td>0 inches (0 mm)</td>
</tr>
<tr>
<td>From pocket/hinge side</td>
<td>42 inches (1067 mm)</td>
<td>22 inches (559 mm)(^2)</td>
</tr>
<tr>
<td>From stop/latch side</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.

![Diagram of maneuvering clearance at doorways without doors or gates, manual sliding doors, and manual folding doors.](image)

FIGURE 11B-404.2.4.2
MANEUVERING CLEARANCES AT DOORWAYS WITHOUT DOORS, SLIDING DOORS, GATES, AND FOLDING DOORS
GENERAL REQUIREMENTS FOR DOORS AND LANDINGS
2013 CBC 11B-404

❖ **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 the door swinging into the space.

❖ **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)

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 minimum OR 4"x4" square plate with International Symbol of Accessibility

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