**ACCESSIBILITY TO PUBLIC BUILDINGS, PUBLIC ACCOMMODATIONS, COMMERCIAL BUILDINGS AND PUBLIC HOUSING**

**TABLE 11B-404.2.4.1**  
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)&lt;sup&gt;3&lt;/sup&gt;</td>
</tr>
<tr>
<td>From front</td>
<td>Push</td>
<td>48 inches (1219 mm)</td>
<td>0 inches (0 mm)&lt;sup&gt;3&lt;/sup&gt;</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)&lt;sup&gt;2&lt;/sup&gt;</td>
<td>22 inches (559 mm)&lt;sup&gt;3&lt;/sup&gt;</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)&lt;sup&gt;2&lt;/sup&gt;</td>
<td>24 inches (610 mm)</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.
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FIGURE 11B-404.2.4.1
MANEUVERING CLEARANCES AT MANUAL SWINGING DOORS AND GATES
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11B-404.2.4.2 Doorways without doors or gates, sliding doors, and folding doors. Doorways less than 36 inches (914 mm) wide without doors or gates, sliding doors, or folding doors shall have maneuvering clearances complying with Table 11B-404.2.4.2.

11B-404.2.4.3 Recessed doors and gates. Maneuvering clearances for forward approach shall be provided when any obstruction within 18 inches (457 mm) of the latch side at an interior doorway, or within 24 inches (610 mm) of the latch side of an exterior doorway, projects more than 8 inches (203 mm) beyond the face of the door, measured perpendicular to the face of the door or gate.

11B-404.2.4.4 Floor or ground surface. Floor or ground surface within required maneuvering clearances shall comply with Section 11B-302. Changes in level are not permitted.

Exceptions:
1. Slopes not steeper than 1:48 shall be permitted.
2. Changes in level at thresholds complying with Section 11B-404.2.5 shall be permitted.

11B-404.2.5 Thresholds. Thresholds, if provided at doorways, shall be 1/2 inch (12.7 mm) high maximum. Raised thresholds and changes in level at doorways shall comply with Sections 11B-302 and 11B-303.

Exception: Reserved.

11B-404.2.6 Doors in series and gates in series. The distance between two hinged or pivoted doors in series and gates in series shall be 48 inches (1219 mm) minimum plus the width of doors or gates swinging into the space.

11B-404.2.7 Door and gate hardware. Handles, pulls, latches, locks, and other operable parts on doors and gates shall comply with Section 11B-309.4. Operable parts of such hardware shall be 34 inches (864 mm) minimum and 44 inches (1118 mm) maximum above the finish floor or ground. Where sliding doors are in the fully open position, operating hardware shall be exposed and usable from both sides.

Exceptions:
1. Existing locks shall be permitted in any location at existing glazed doors without stiles, existing overhead rolling doors or grilles, and similar existing doors or grilles that are designed with locks that are activated only at the top or bottom rail.
2. Access gates in barrier walls and fences protecting pools, spas, and hot tubs shall be permitted to have operable parts of the release of latch on self-latching devices at 54 inches (1372 mm) maximum above the finish floor or ground provided the self-latching devices are not also self-locking devices and operated by means of a key, electronic opener, or integral combination lock.

11B-404.2.8 Closing speed. Door and gate closing speed shall comply with Section 11B-404.2.8.

11B-404.2.8.1 Door closers and gate closers. Door closers and gate closers shall be adjusted so that from an open position of 90 degrees, the time required to move the door to a position of 12 degrees from the latch is 5 seconds minimum.

11B-404.2.8.2 Spring hinges. Door and gate spring hinges shall be adjusted so that from the open position of 70 degrees, the door or gate shall move to the closed position in 1.5 seconds minimum.
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 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.

FIGURE 11B-404.2.4.2
MANEUVERING CLEARANCES AT DOORWAYS WITHOUT DOORS, SLIDING DOORS, GATES, AND FOLDING DOORS

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FIGURE 11B-404.2.6
DOORS IN SERIES AND GATES IN SERIES