

The maneuvering clearance at manual swinging doors is from ANSI A117.1 2003 with Ct. Amendments.

ANSI A117.1 2003.

404 Doors and Doorways

404.1 General. Doors and doorways that are part of an accessible route shall comply with Section 404.

404.2 Manual Doors. Manual doors and doorways, and manual gates, including ticket gates, shall comply with the requirements of Section 404.2.

404.2.3 Maneuvering Clearances at Doors. Minimum maneuvering clearances at doors shall comply with Section 404.2.3 and shall include the full clear opening width of the doorway.

404.2.3.1 Swinging Doors. Swinging doors shall have maneuvering clearances complying with Table 404.2.3.1.

Fig. 404.2.2
Clear Width of Doorways

Table 404.2.3.1—Maneuvering Clearances at Manual Swinging Doors

TYPE OF USE		MINIMUM MANEUVERING CLEARANCES	
Approach Direction	Door Side	Perpendicular to Doorway	Parallel to Doorway (beyond latch unless noted)
From front	Pull	60 inches (1525 mm)	18 inches (455 mm)
From front	Push	48 inches (1220 mm)	0 inches (0 mm) ³
From hinge side	Pull	60 inches (1525 mm)	36 inches (915 mm)
From hinge side	Pull	54 inches (1370 mm)	42 inches (1065 mm)
From hinge side	Push	42 inches (1065 mm) ¹	22 inches (560 mm) ^{3,4}
From latch side	Pull	48 inches (1220 mm) ²	24 inches (610 mm)
From latch side	Push	42 inches (1065 mm) ²	24 inches (610 mm)

¹Add 6 inches (150 mm) if closer and latch provided.

³Add 12 inches (305 mm) beyond latch if closer and latch provided.

²Add 6 inches (150 mm) if closer provided.

⁴Beyond hinge side.

AMENDMENTS TO ICC/ANSI A117.1 - 2003

(Amd) **Table 404.2.3.1 - Maneuvering clearances at manual swinging doors**

TYPE OF USE		MINIMUM MANEUVERING CLEARANCES	
Approach (beyond Direction)	Door Side	Perpendicular to Doorway	Parallel to Doorway latch unless noted)
From front	Pull	60 inches	24 inches
From front	Push	48 inches	0 inches ³
From hinge side	Pull	60 inches	36 inches
From hinge side	Pull	54 inches	42 inches
From hinge side	Push	42 inches ¹	22 inches ^{3 & 4}
From latch side	Pull	48 inches ²	24 inches
From latch side	Push	42 inches ²	24 inches

- ¹ Add 6 inches if closer and latch provided.
- ² Add 6 inches if closer provided.
- ³ Add 12 inches beyond latch if closer and latch provided.
- ⁴ Beyond hinge side.

(Amd) **Fig. 404.2.3.1 Maneuvering clearance at swinging doors, (a) front approach, pull side.**
Amend the 18 min. notation to read 24 min.

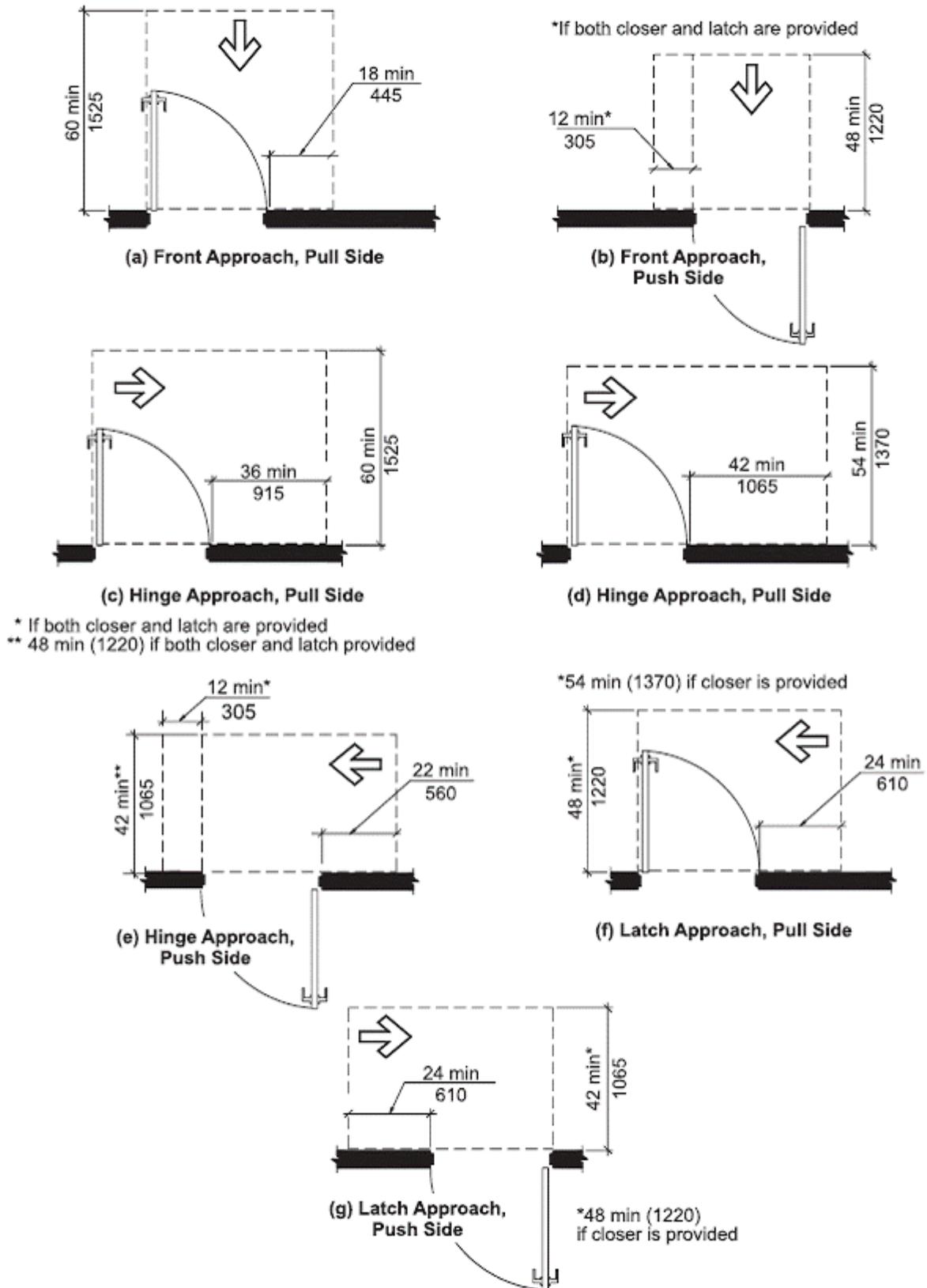


Fig. 404.2.3.1
 Maneuvering Clearance at Manual Swinging Doors

Please note that these maneuvering clearances are for manual doors. If a full powered automatic door is installed we do not follow these clearances. The clearances become 36",

which is the width of the door. Automatic doors are covered in ANSI A117.1 2003 Section 404.3. Power assisted doors must comply with the clearances of Section 404.2.3.1.

Summary:

Front Approach, Pull Side of Door. With or without closer. With or Without latch.

60" perpendicular to doorway. 24" parallel to doorway beyond latch.

For a 36" door, the maneuvering clearance at the door is 60" X 60". ($36" + 24" = 60"$).

Latch Approach, Pull Side of Door. 48" perpendicular to the doorway without closer, (54" with closer) but still have 24" parallel to doorway beyond latch.

The maneuvering clearance at the door with a 36" door is then 48" X 60".

This is based on a new door installation or a door that is on an accessible route.

If you have any questions, please contact me.

Thanks, Doug Golden