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www.AccessibilityOnline.org

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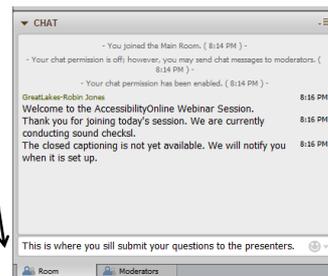
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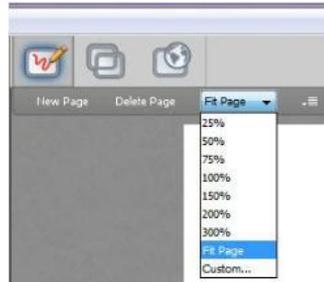
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Customize Your View

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Customize Your View *continued*

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 2. Email webinars@accessibilityonline.org ; or
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Open Questions and Answers Session



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Earlene Sesker
Senior Accessibility
Specialist/Training
Coordinator



Bill Botten
Accessibility Specialist

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Session Agenda

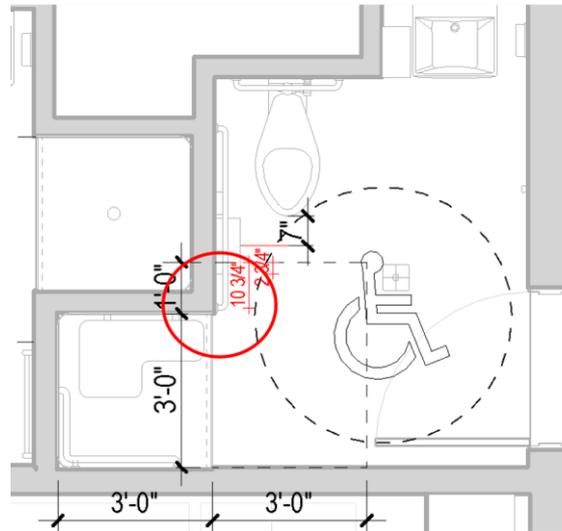
- **Response to previously submitted questions**
 - **Open Q & A**

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Clear Floor Spaces and Maneuvering Spaces

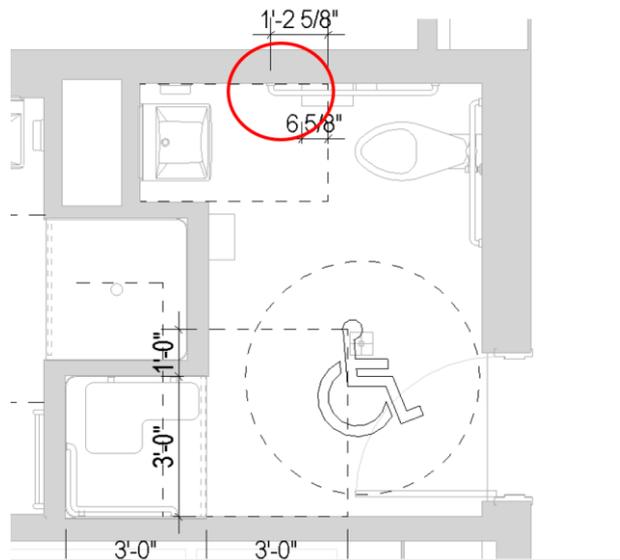
14

Transfer Shower Clear Floor Space



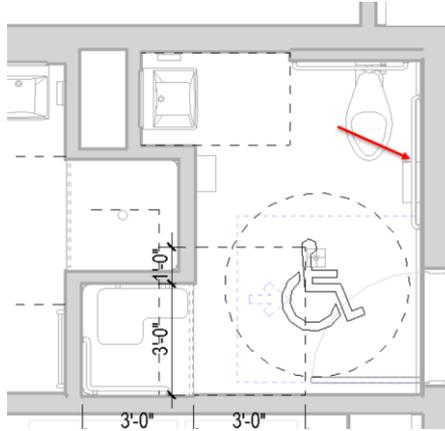
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Clear Floor Space at a Lavatory



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Door Maneuvering Clearances (404.2)



Can elements such as grab bars or shelves overlap the maneuvering clearance at doors?

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Door Maneuvering Clearances

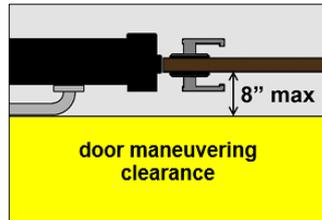
Provide *unobstructed* space for maneuvering through doorways. Must be free of protrusions the full height (80" min.).



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Door Maneuvering Clearances

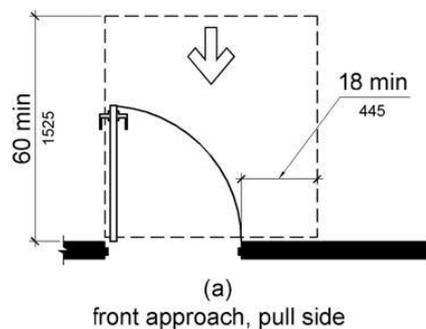
They can be offset up to 8" from the face of the door.



Elements can't overlap the clearance but can be located within the 8" max. offset.

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Doors, Doorways, Gates (404)



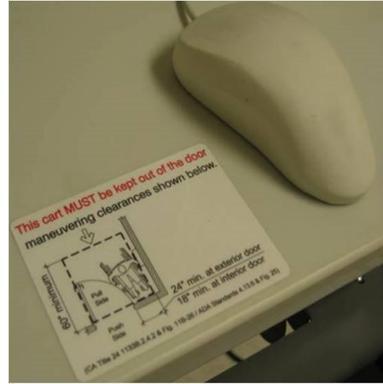
404.2.4 Maneuvering Clearances

must not be obstructed

ADA regulations to maintain accessible features

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Doors, Doorways, Gates (404)



404.2.4 Maneuvering Clearances

must not be obstructed

ADA regulations to maintain accessible features

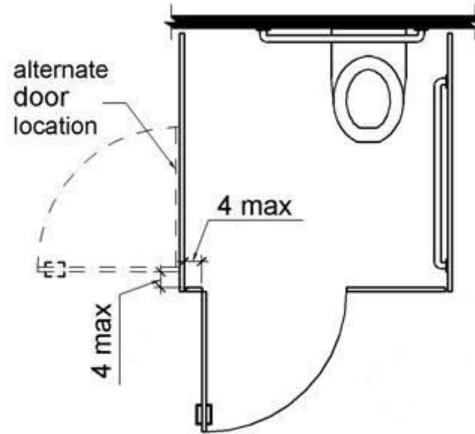
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Toilet Stalls

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Wheelchair Accessible Toilet Stall

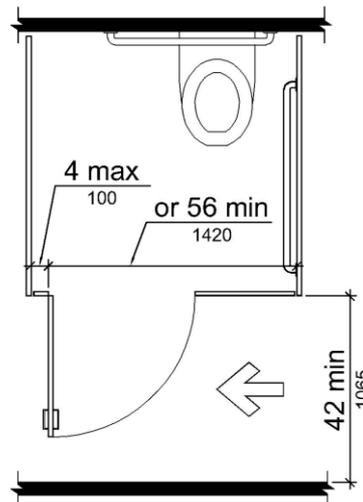
604.8.1.2 Doors – door opening location



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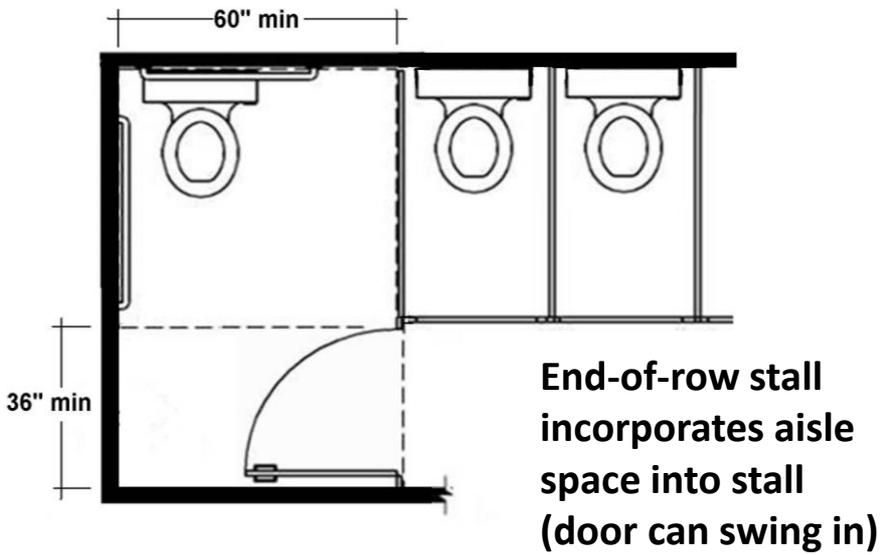
Door Opening Location

**Standard
Compartment:
ANSI A117.1
requirements
allow the door to
be 56 inches
minimum from
side wall or
partition closest
to the water
closet.**



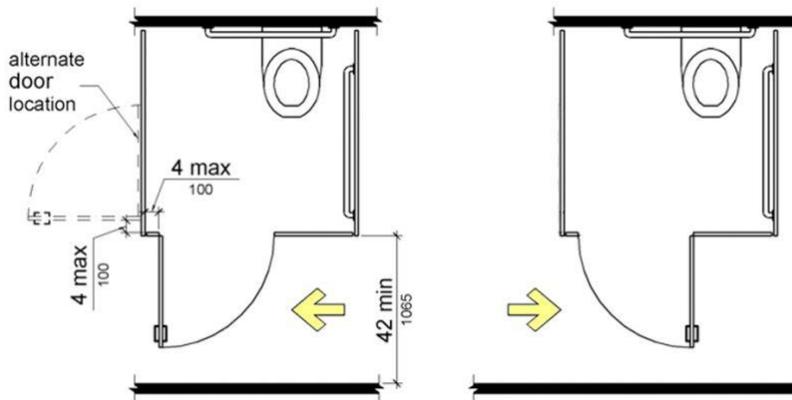
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Door Opening Location



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Door Opening Swing (604.8.1.2)



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Spring Hinges

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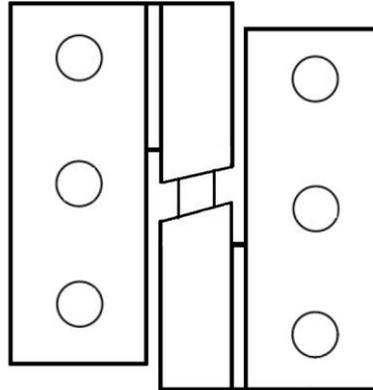
Spring Hinges

- When spring hinges are used as a closing mechanism for fire doors, presumed to be listed as a rated assembly as per IBC, must the door maneuvering clearances be accessible as with a latch and “closer”?

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Spring Hinges

**404.2.4
Maneuvering
Clearances:**
**Gravity and spring
hinges are not
considered closers.**



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Maneuvering Clearances

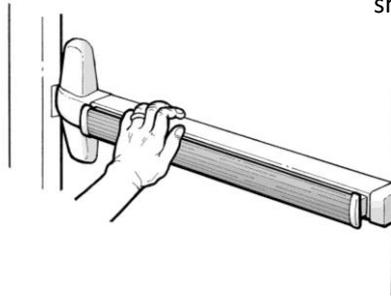
- Are doors to egress stairs required to provide maneuvering clearances? If they do, is this on both sides (corridor side and stair side) or just one side of the door?



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Panic Hardware

309.4 Operation. 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 pounds (22.2 N) maximum.**



404.2.9 Door and Gate Opening Force. Fire doors shall have a **minimum opening force allowable by the appropriate administrative authority.** The force for pushing or pulling open a door or gate other than fire doors shall be as follows:

1. Interior hinged doors and gates: 5 pounds (22.2 N) maximum.
2. Sliding or folding doors: 5 pounds (22.2 N) maximum

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Receptacle Outlets

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Receptacle Outlets

- Providing electrical receptacles at kitchen counters in accessible locations is challenging due to National Electrical Code spacing requirements.
- Exception 3 of Section 205.1 permits one of multiple receptacle outlets at sections of kitchen counters between sinks and appliances to not meet requirements for operable parts. However, this exception is insufficient to address the extent of receptacles required by the NEC in inaccessible locations that occur in most kitchen designs including those designed under Section 233 of the 2010 ADA Standards.



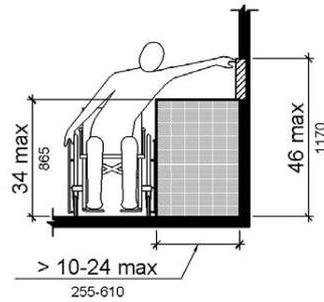
33



Question: The typical reach depth to the wall over a countertop is more than 24 inches. How can I make outlets and controls over the countertop accessible?

34

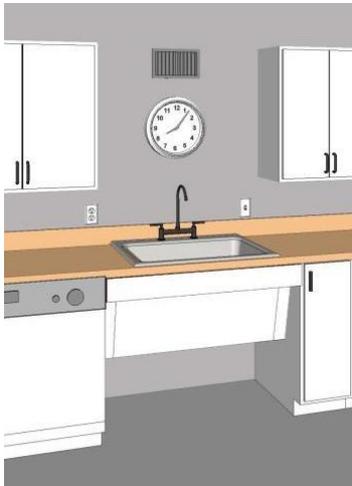
308.3.2 Obstructed High Side Reach



Outlets Over Countertops

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308.3.2 Obstructed High Side Reach



Outlets Over Countertops

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Signage

- ASME A17.1-2013 requires operating instructions for the emergency two-way communication system to be incorporated with or adjacent to the “PHONE” push button within the car.
- Do these etched instructions constitute a sign that needs to follow visual character requirements in 703.5?



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Bottle Fillers

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Drinking Fountains & Bottle Fillers



combination of one fountain and bottle filler not “hi-low”

operable parts (205) - reach over obstruction considerations

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Drinking Fountains (211)

Where provided at exterior site or floor, 2 units required (wheelchair & standing access)

- **alternative:**
single “hi-lo” unit
- **multiple installations:**
50% of each type



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Recreation Facilities

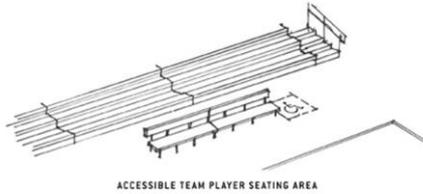
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Outdoor Exercise Equipment



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Team Player Seating Areas



Platform lift
permitted



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Natural Feature Play Components



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Raised Planting Beds



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Ramp Slope

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How often should slope and cross-slope measurements be taken on ramps?

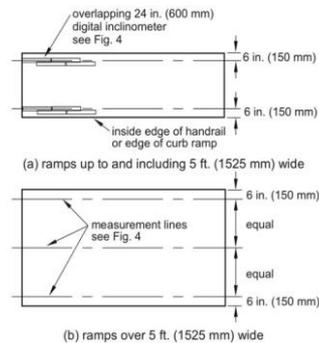


Fig. 5
Ramp flatness measurement for running slope

Dimensional Tolerances in Construction and for Surface Accessibility:

- Researcher - David Kent Ballast
Architectural Research Consulting
- <https://www.access-board.gov/research/completed-research/dimensional-tolerances>

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Benches

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Benches (903)

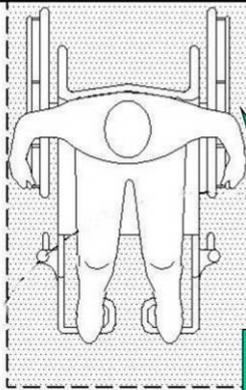
Q. Are park benches required to comply with the bench size required in 903.3 (42" long min. and 20" to 24" deep)

A. No, there are only requirements for a bench complying with 903 in dressing, fitting, and locker rooms; in saunas and steam rooms; and if provided in holding and housing cells of detention facilities required to provide mobility features.



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[Changing] Benches (903)



Size: (42" min. long,
20" – 24" deep)

clear floor space
(parallel-short axis)

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Benches

ABA Requirements for Outdoor Developed Areas:

1011 Outdoor
Constructed Features –
Benches

Proposed Accessibility Guidelines for PROW:

R212 Street Furniture –
Benches



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Peep Holes

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Height of “Peep” Holes

- **Notification (809.5.5.1) – hard-wired electronic doorbell with visual signal**
- **Identification (809.5.5.2) – identifying visitor without opening door, 180 degree minimum view**

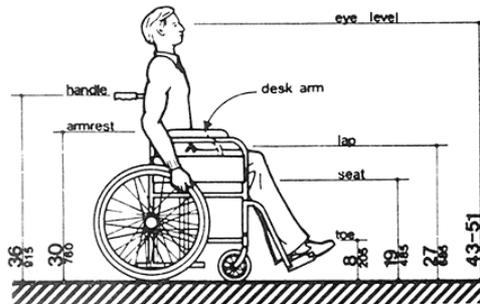


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Height of “Peep” Holes

Anthropometry of Wheeled Mobility Project Data

- medium eye height 45 ½ inches above floor level
- approx. 40 to 50 inch range



1991 Standards Fig. A3 with
Slightly Wider Eye Height Range

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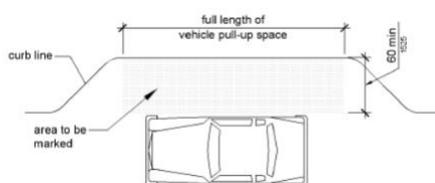
Public Rights Of Way

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On-street Parking/Access Aisles

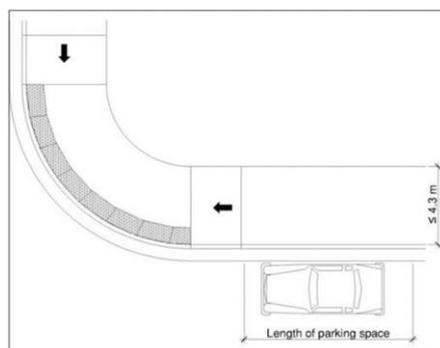


Access Aisle outside the Vehicular Way



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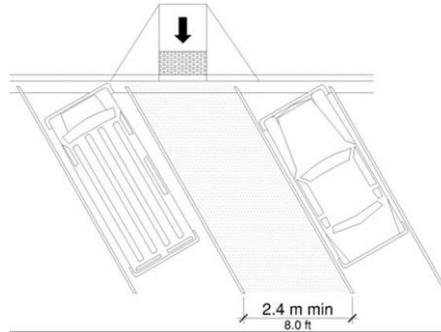
On-Street Parking



- **Narrow sidewalks – an access aisle is not required**
- **Alterations – access aisle only required when scope of project involves curb and road work**

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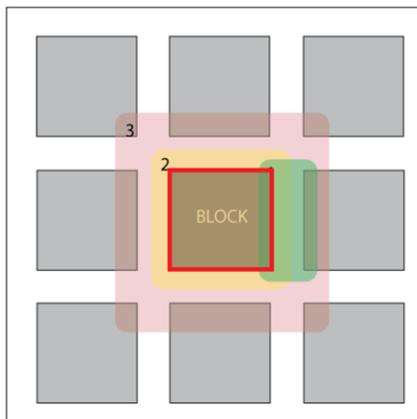
On-Street Parking



- Angled (or perpendicular) on-street parking; requires a van accessible space

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On-Street Parking



- Number of accessible spaces is based on total marked or metered spaces on a block perimeter
- Scoping Section R214

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On-Street Parking

Parking meter/pay station displays and information



- Information should be visible from a point 3.3 ft. max above the center of the clear space
- Operable parts requirements should be met

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Handrails

- Are handrails required when the sidewalk exceeds 1:20 slope?



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On-line Guide and Animations

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Guides on the ADA and ABA Standards

Available on the Board's website

Guide to the ADA Standards

- [About this Guide](#) [Single File Version](#)

Chapter 1: Application and Administration

- [Using the ADA Standards](#)

Chapter 2: Scoping Requirements

- [New Construction](#)
- [Alterations and Additions](#)

Chapter 3: Building Blocks

- [Floor and Ground Surfaces](#)
- [Clear Floor or Ground Space and Turning Space](#)
- [Operable Parts](#)
- [Protruding Objects](#)

Chapter 4: Accessible Routes

- [Accessible Routes](#)
- [Entrances, Doors, and Gates](#)
- [Ramps and Curb Ramps](#)
- [Elevators and Platform Lifts](#)
- [Accessible Means of Egress](#)

Chapter 5: General Site and Building Elements

- [Parking Spaces](#)
- [Passenger Loading Zones](#)
- [Stairways](#)

See also guides on [recreation facilities](#).

[UPCOMING: Guides covering Chapters 6 - 10]



[Guidance on the International Symbol of Accessibility](#) **NEW** 

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Guides on the ADA and ABA Standards

Illustrated technical bulletins and animations
(covers first 5 chapters)



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Guides on the ADA and ABA Standards

Animations cover:



Wheelchair Maneuvering



Maneuvering at Doors



Accessible Toilet Rooms



Accessible Bathing Facilities



Signs NEW



Protruding Objects



Parking and Passenger Loading Zones

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Questions?

**You may type and submit questions in the
Chat Area Text Box or press Control-M
and enter text in the Chat Area**

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**Thank you for participating
in today's webinar**



Next session:



**Accessible Shared Streets: Notable Practices and Considerations for
Accommodating Pedestrians with Vision**

April 5, 2018

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