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A collaborative program between the ADA National Network and the U.S. Access Board



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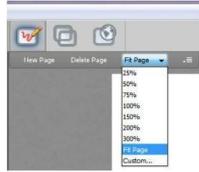
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## ACCESSIBLE TOILET ROOMS



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## Presenters

### U.S. Access Board



Dave Yanchulis  
Director, OTIS



Scott Windley  
Accessibility Specialist

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# Agenda

- Where Access is Required
- Single User Toilet Rooms
- Multi-user Toilet Rooms
- Lavatories

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## Toilet & Bathing Facilities (§213)

In new construction, all toilet and bathing facilities must be accessible, except:

- portable units (5% min)
- clustered single user toilet rooms (50% min)



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## Clustered Toilet Rooms

Access to at least 50% of single user toilet rooms clustered at 1 location & serving same users



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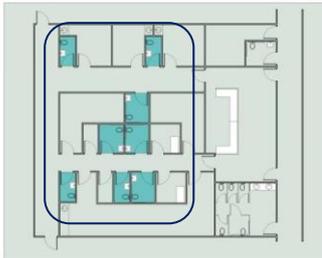
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## Clustered Toilet Rooms

Clustered Toilet Rooms



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## New Construction

Unisex restrooms cannot substitute for access to provided multi-user rooms (except in certain alterations)



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## Single User Toilet Rooms

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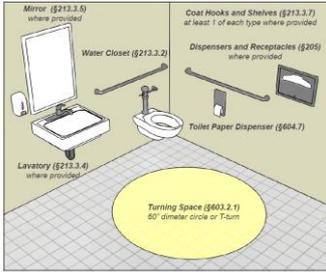
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# Toilet Rooms (§603)

## Components of accessible toilet rooms



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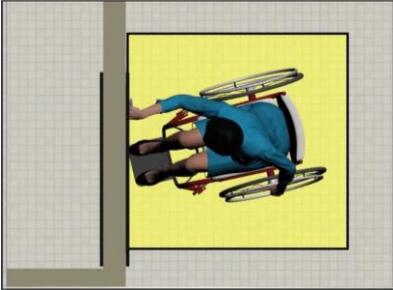
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# Toilet Rooms

## Door maneuvering clearance (exterior)



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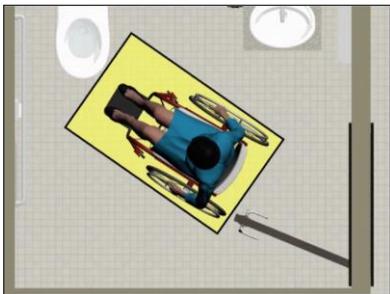
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# Toilet Rooms

## Wheelchair space beyond door swing



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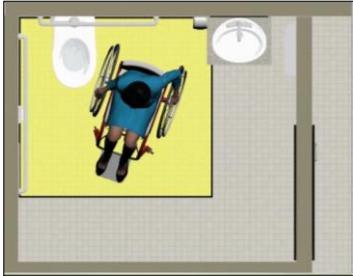
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## Toilet Rooms

Clear floor space at toilet for approach & transfer



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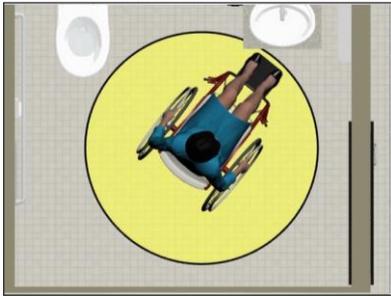
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## Toilet Rooms

Turning space (circular or T-shaped)



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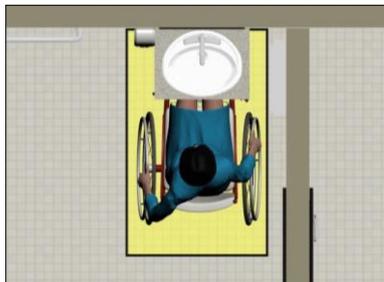
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## Toilet Rooms

Clear floor space at fixtures & elements



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# Toilet Rooms

## Interior door maneuvering clearance



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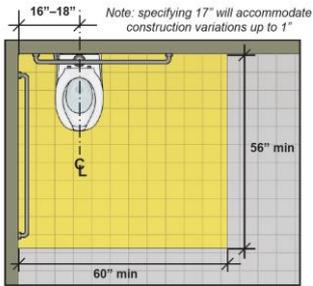
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# Water Closets



Location and required clear floor space

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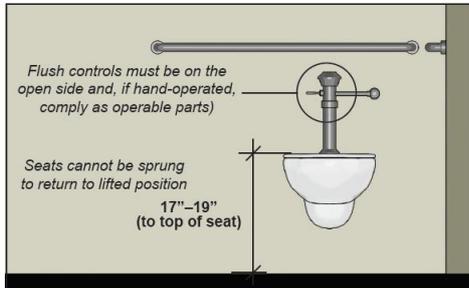
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# Water Closets



Seat Height and Flush Control

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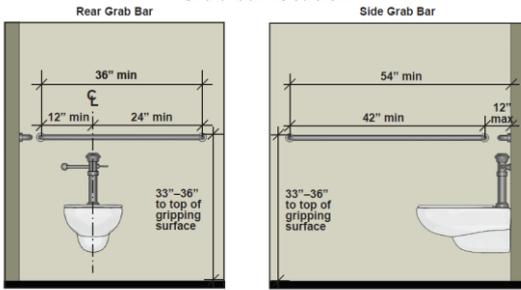
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# Water Closet Grab Bars

## Grab bar location



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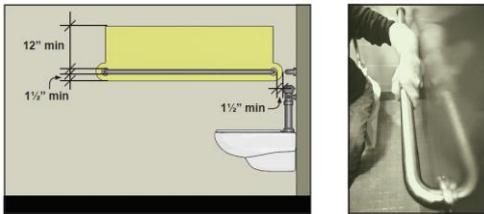
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# Water Closet Grab Bars

## Clearances at grab bars



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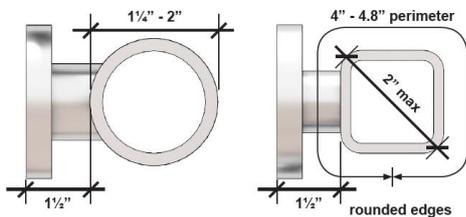
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# Water Closet Grab Bars

## Cross Section and Clearance



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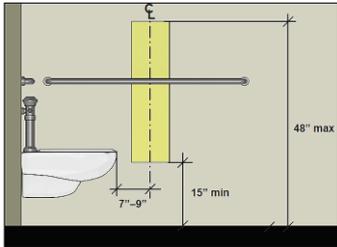
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## Water Closets

Toilet paper dispenser location (if recessed)



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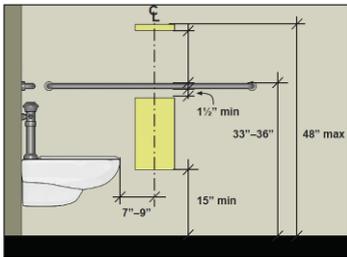
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## Water Closets

Toilet paper dispenser location (non-recessed)  
and grab bar clearances



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## Water Closets

*Common problem: large dispensers above  
grab bar impact usability*



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## Water Closets

... below bar they can be out of reach range and obstruct space at WC



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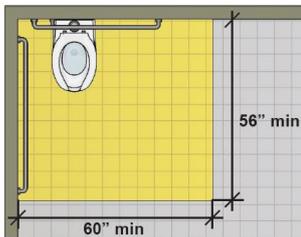
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## Toilet Room

Water Closet Clearance



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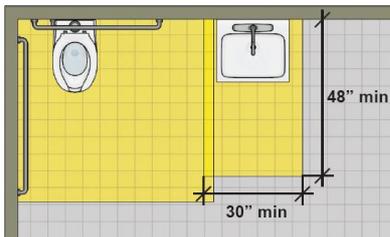
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## Toilet Room

Lavatory cannot overlap toilet clearance (except in dwelling units)



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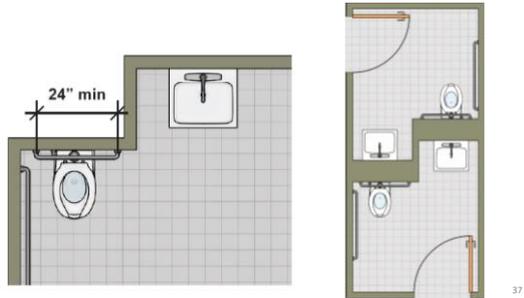
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## Toilet Room

Recessed Lavatory (shorter rear grab bar allowed)



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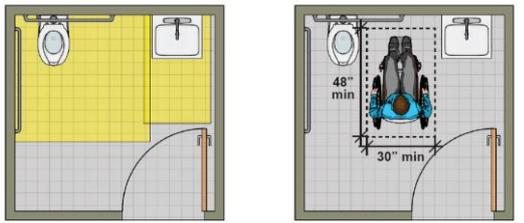
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## Toilet Room

Doors (single user toilet room)



Keep swing outside fixture clearances or ...

... provide unobstructed clear floor space (30" x 48" min.) outside swing (location not specified)

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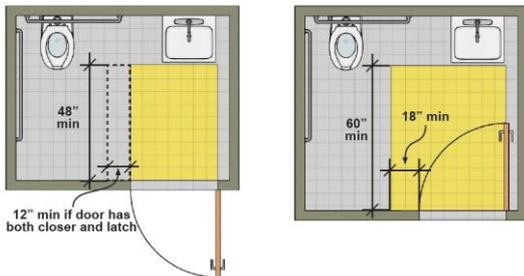
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## Toilet Room

Door maneuvering clearance (interior)



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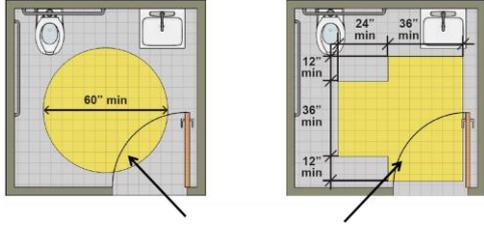
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## Toilet Room

Turning Space: 60" diameter circle or "T" shaped space



Door can always swing into turning space

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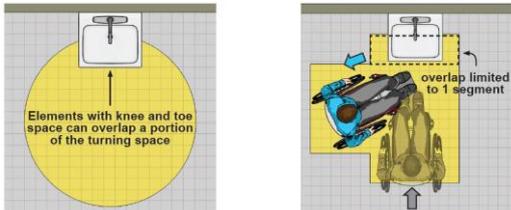
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## Toilet Room

Permitted overlap of turning space



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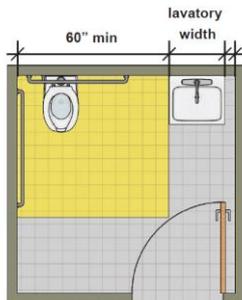
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## Toilet Room

Approximate Dimensions: Width



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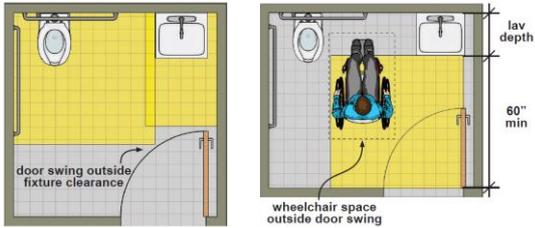
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## Toilet Room

Approximate Dimensions: Depth (in-swinging door)



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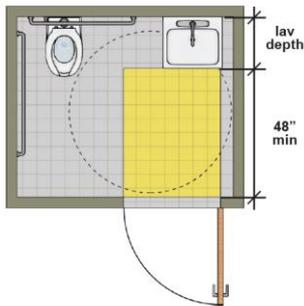
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## Toilet Room

Approximate Dimensions: Depth (out-swinging door)



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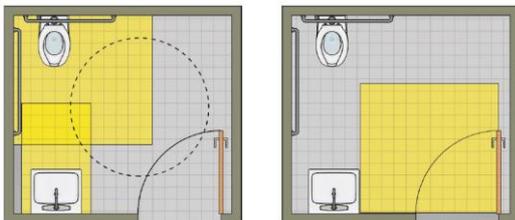
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## Toilet Room

The requirements apply to all types of layouts



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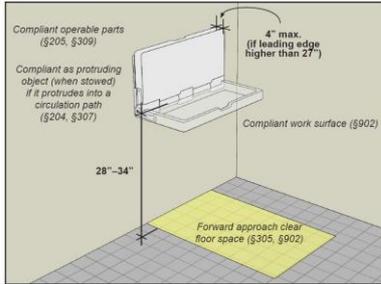
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## Baby Changing Tables



Additional fixtures often effect the room size

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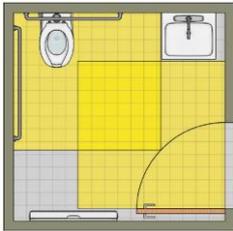
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## Baby Changing Tables



Cannot overlap fixture clearances or door maneuvering clearances when stowed

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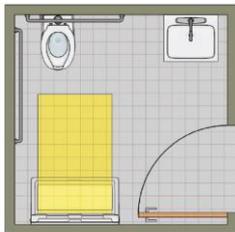
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## Baby Changing Tables



Compliant as a work surface with clear floor space for a forward approach

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## Private Toilet Rooms

Exceptions for single-occupant toilet rooms accessed only through a private office and not for common or public use



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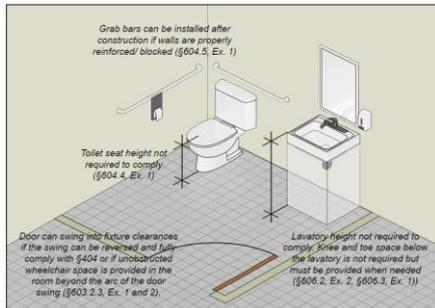
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## Private Toilet Rooms

Exceptions (all other requirements apply)



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## Residential Dwelling Units

Exceptions (all other requirements apply)



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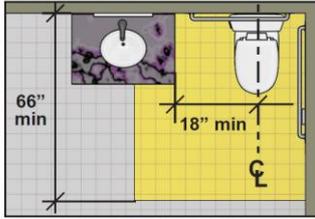
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## Residential Dwelling Units



Lavatory can overlap water closet clearance  
(locating it outside the clearance provides better  
access by allowing more transfer option)

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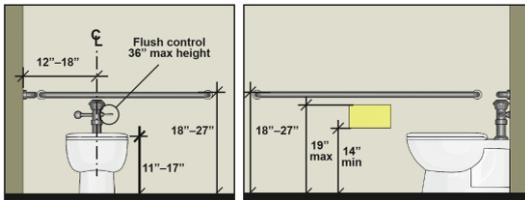
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## Children's Toilets



Advisory (Non-Mandatory) Specifications by Age Group

	3 & 4	5 through 8	9 through 12
Water Closet Centerline	12"	12" - 15"	15" - 18"
Toilet Seat Height	11" - 12"	12" - 15"	15" - 17"
Grab Bar Height	18" - 20"	20" - 25"	25" - 27"
Dispenser Height	14"	14" - 17"	17" - 19"

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## Multi-User Toilet Rooms

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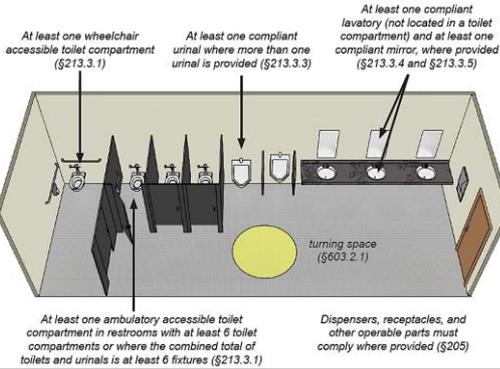
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## Multi-User Restrooms




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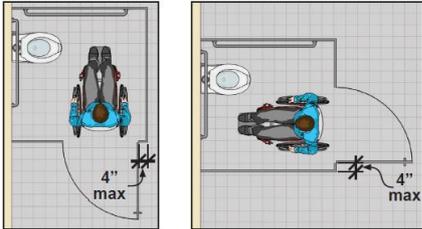
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## Toilet Compartments

Door in corner opposite water closet to provide space to enter



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## Toilet Compartments

Minimum size and toe clearance (required below front and a side partition)



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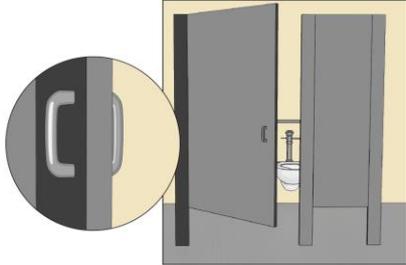
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## Toilet Compartments

Doors must be self-closing with pulls on both side and cannot swing into min. compartment area



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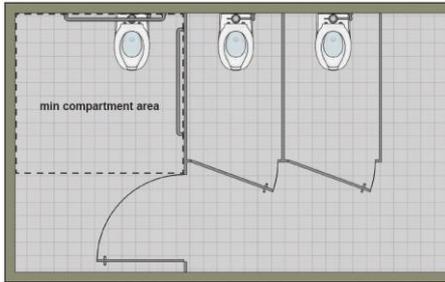
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## Toilet Compartment: End of Row



End-of-row stall incorporates aisle space into stall (door can swing in if beyond min. compartment area)

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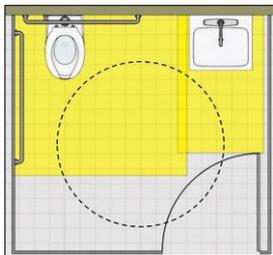
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## Toilet Compartments

Stalls with more than 1 plumbing fixture treated as toilet room (2<sup>nd</sup> complaint lavatory required outside stall)



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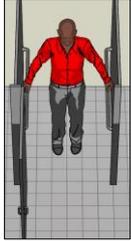
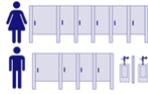
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## Ambulatory Stall

Where 6 or more stalls (or water closets & urinals) provided



- parallel grab bars
- width: 35" – 37"
- depth: 60" min.
- doors: out-swinging, self-closing

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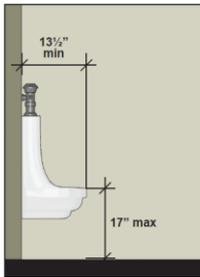
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## Urinals

Wall Hung



Stall Type



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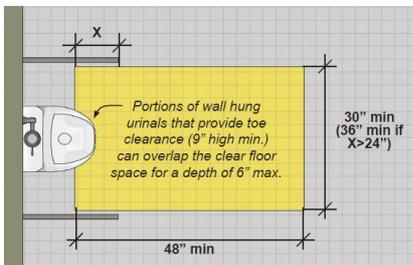
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## Urinals



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# Lavatories

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## Lavatories (§213.3.4)

Toilet and bathing rooms: at least one lavatory must comply (not located in toilet stall)



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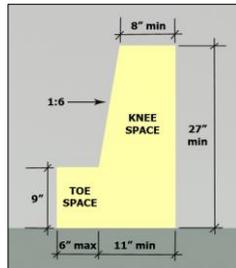
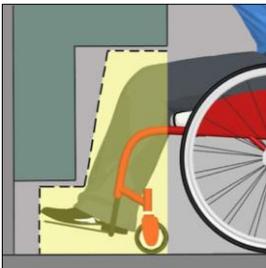
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## Lavatories (§606)

Knee & toe space at lavatories (17" – 25" deep)



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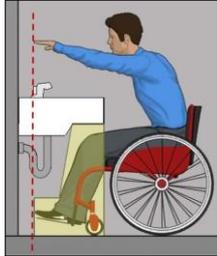
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## Lavatories



Knee & toe space depth must equal or exceed depth of reach to operable parts

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## Lavatories

*Tip:* Avoid hospital style lavs with deep projections



They take up more space and require a greater reach to faucet controls and dispensers

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## Technical Guides on the Standards

Available on the Board's website



Coming soon: guides on toilet rooms, bathing facilities, and drinking fountains

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# Questions?

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## U.S. Access Board

**(800) 872-2253 (voice)**

**(800) 993-2822 (TTY)**

**E-mail: [ta@access-board.gov](mailto:ta@access-board.gov)**

**[www.access-board.gov](http://www.access-board.gov)**

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## Continuing Education

**AIA Provider Number:** I017

**Course Title:** Accessible Toilet Rooms

**AIA Course Number:** GL20191003

**Date:** October 3, 2019

Credits earned on completion of this course will be reported to **AIA CES** for AIA members. Certificates of Completion are available upon request.

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



**Next session:**

***October 24, 2019***

***Accessible Bathing Facilities***

***www.accessibilityonline.org***

***(877) 232-1990 (v/TTY)***

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