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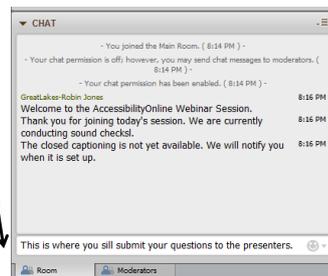
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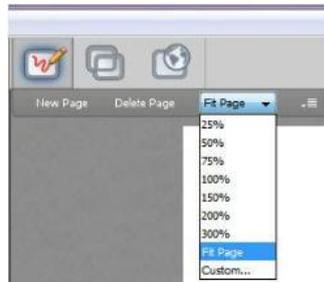
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# ACCESSIBLE TOILET ROOMS



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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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# 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)



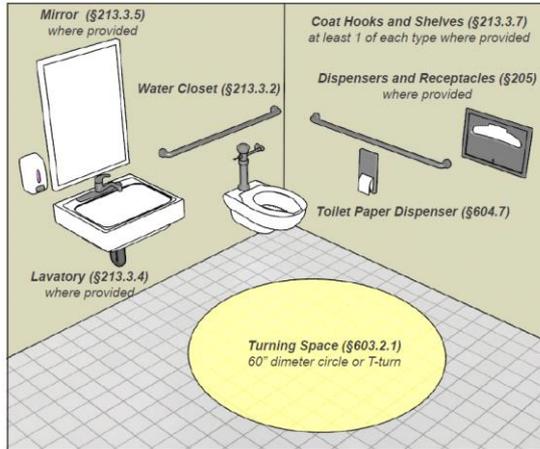
17

## Single User Toilet Rooms

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# Toilet Rooms (§603)

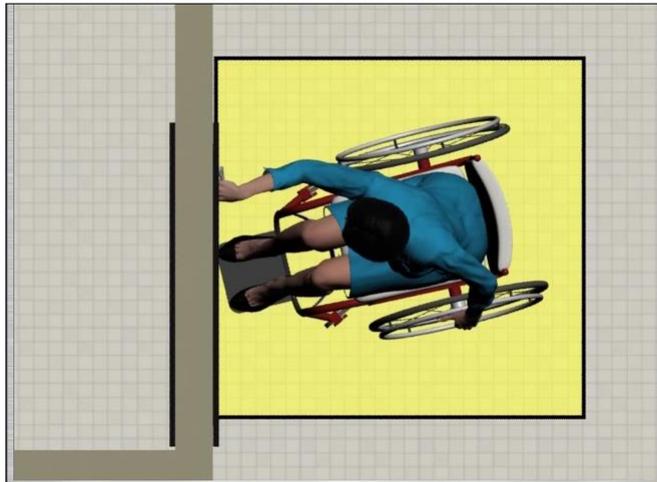
## Components of accessible toilet rooms



19

# Toilet Rooms

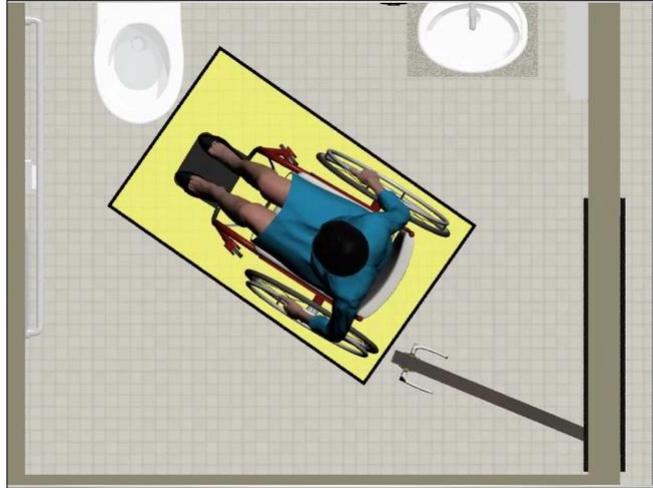
## Door maneuvering clearance (exterior)



20

# Toilet Rooms

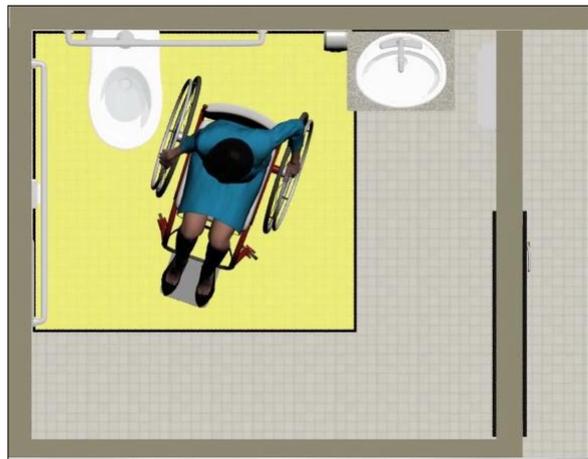
Wheelchair space beyond door swing



21

# Toilet Rooms

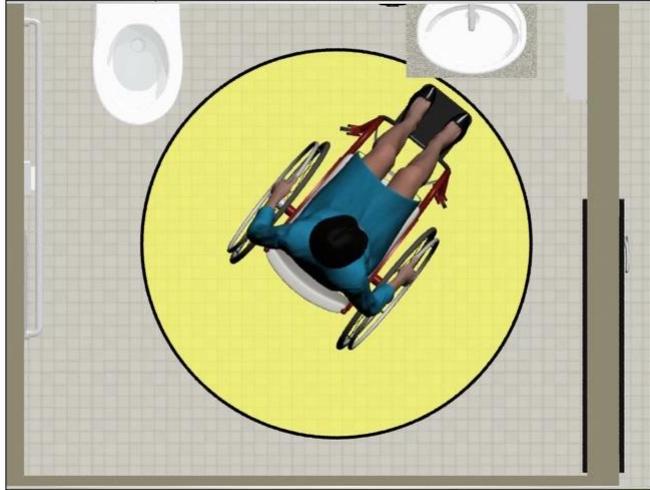
Clear floor space at toilet for approach & transfer



22

# Toilet Rooms

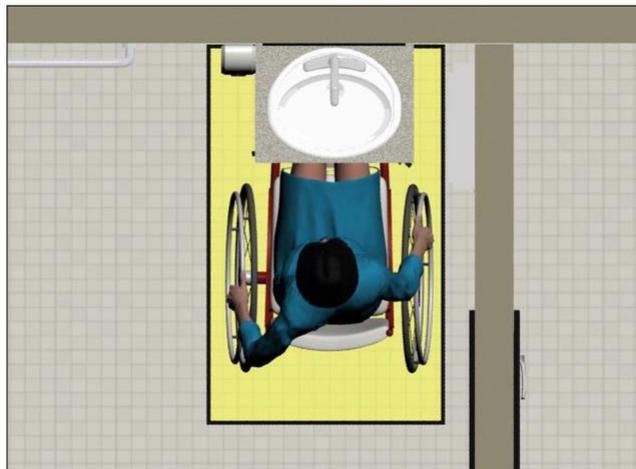
Turning space (circular or T-shaped)



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# Toilet Rooms

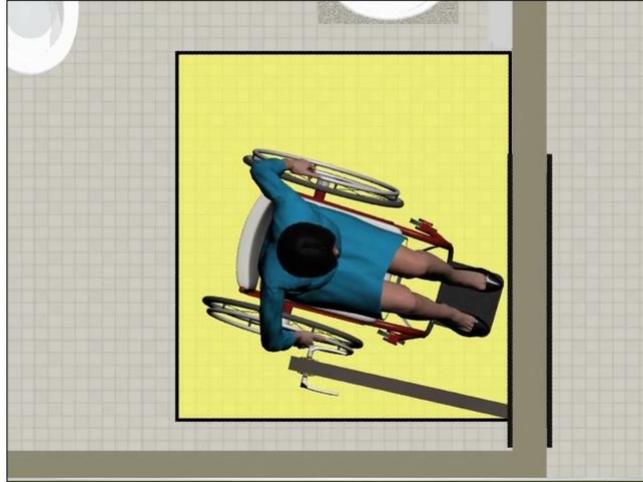
Clear floor space at fixtures & elements



24

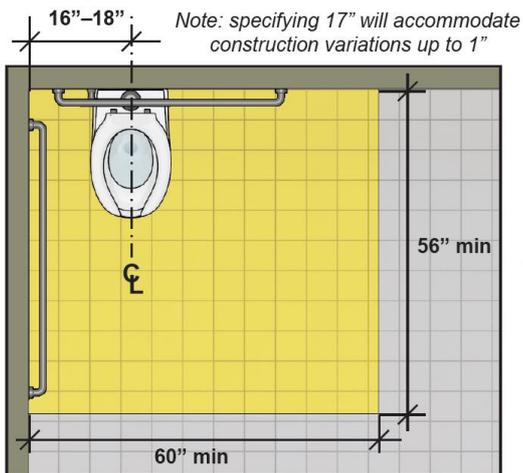
# Toilet Rooms

## Interior door maneuvering clearance



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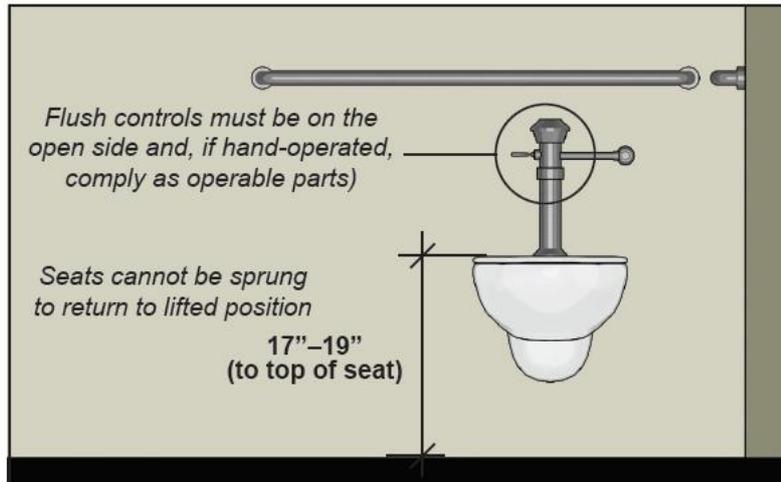
# Water Closets



## Location and required clear floor space

26

# Water Closets

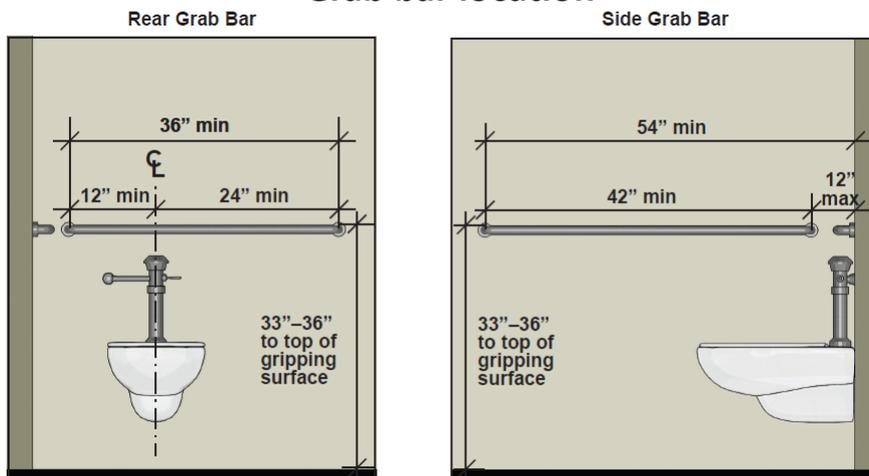


Seat Height and Flush Control

27

# Water Closet Grab Bars

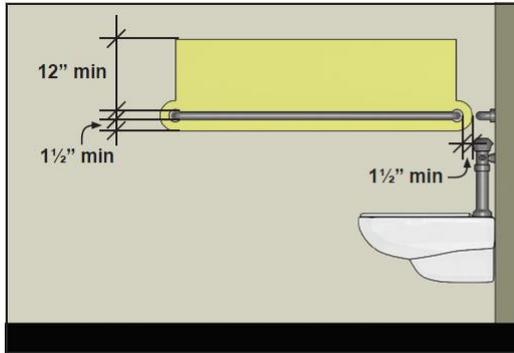
## Grab bar location



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# Water Closet Grab Bars

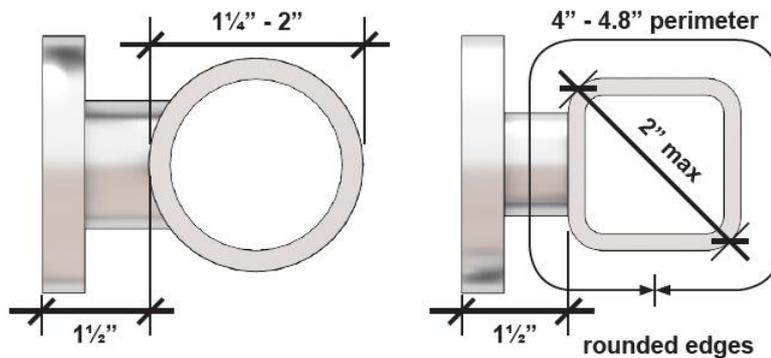
## Clearances at grab bars



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# Water Closet Grab Bars

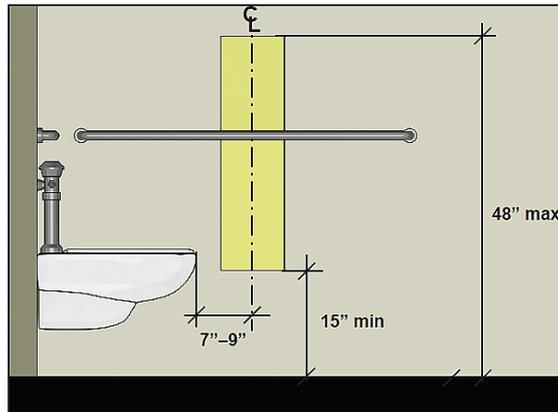
## Cross Section and Clearance



30

# Water Closets

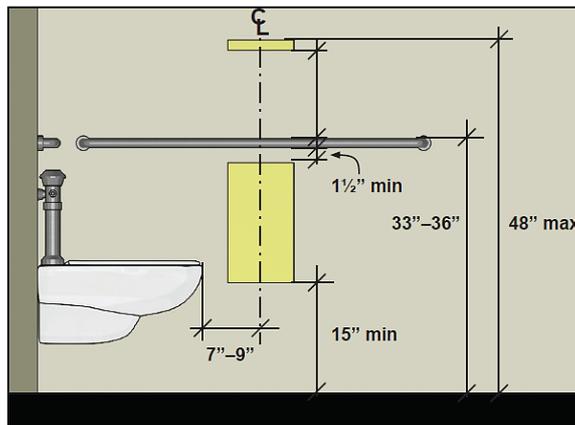
## Toilet paper dispenser location (if recessed)



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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

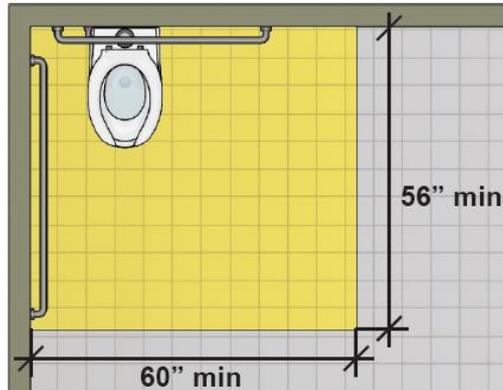
**... below bar they can be out of reach range and obstruct space at WC**



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# Toilet Room

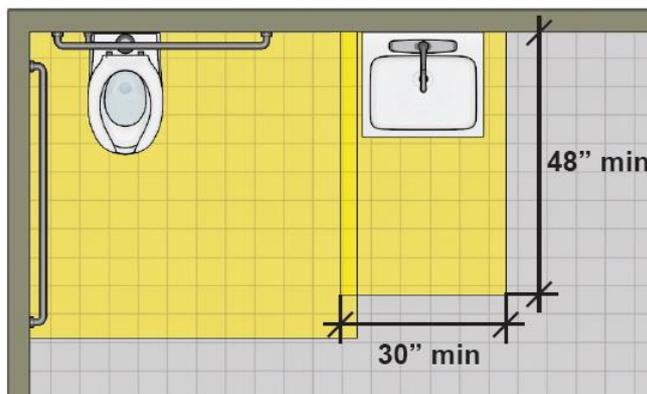
## Water Closet Clearance



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# Toilet Room

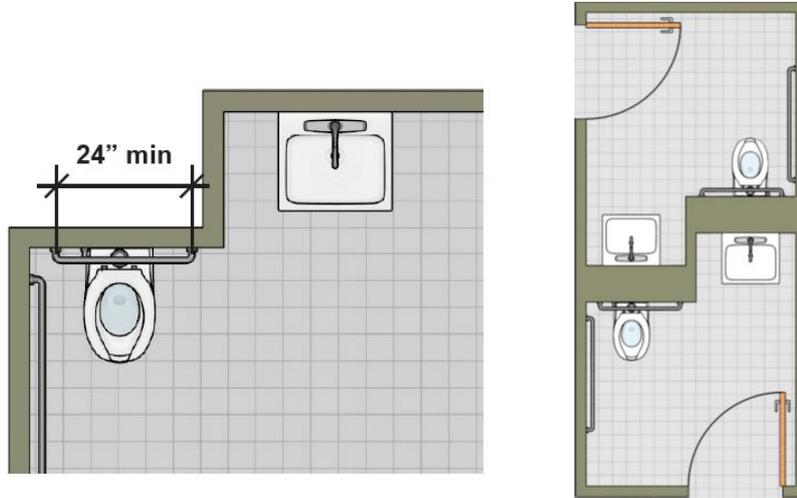
Lavatory cannot overlap toilet clearance  
(except in dwelling units)



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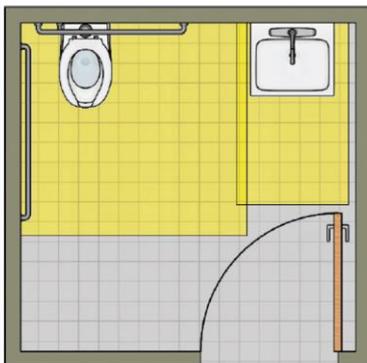
# Toilet Room

Recessed Lavatory (shorter rear grab bar allowed)

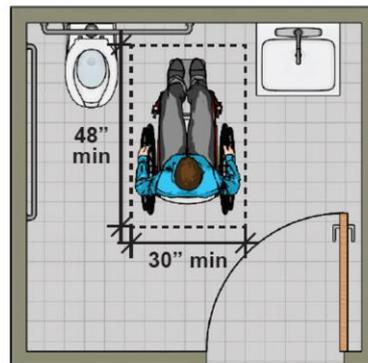


# Toilet Room

Doors (single user toilet room)



Keep swing outside fixture clearances or ...

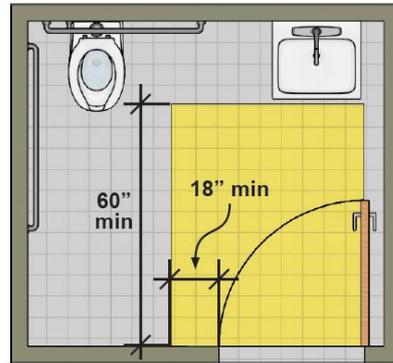
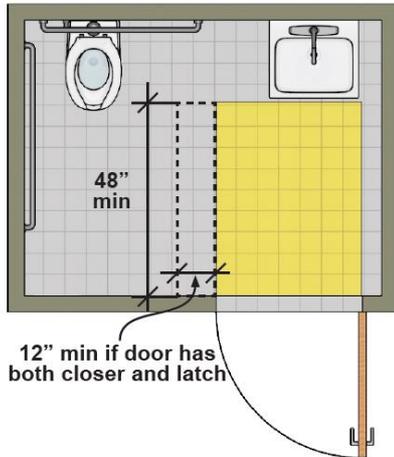


... provide unobstructed clear floor space (30" x 48" min.) outside swing (location not specified)

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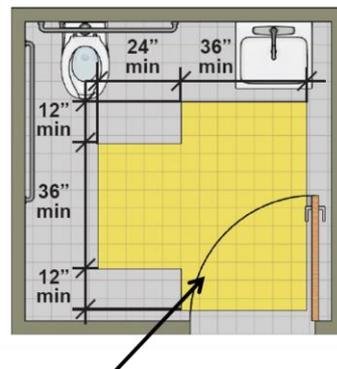
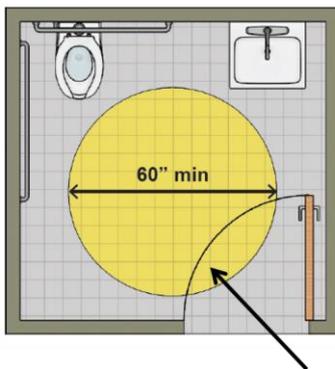
# Toilet Room

## Door maneuvering clearance (interior)



# Toilet Room

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

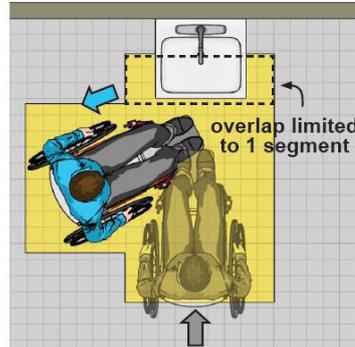
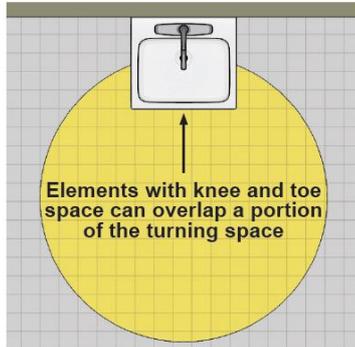


Door can always swing into turning space

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# Toilet Room

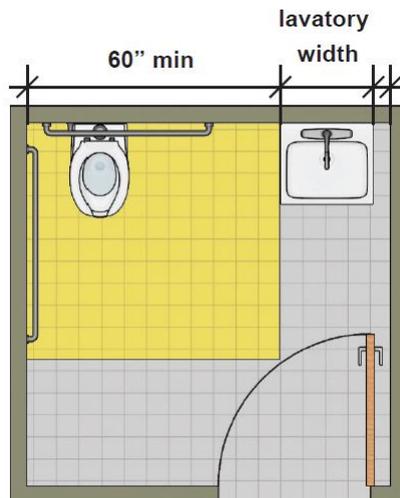
## Permitted overlap of turning space



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# Toilet Room

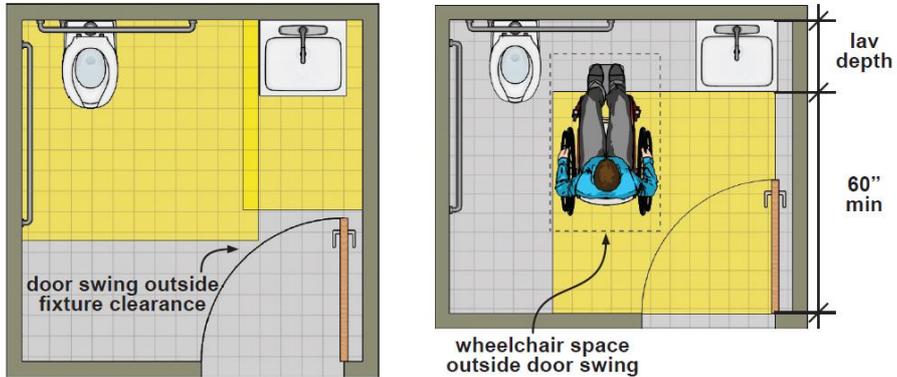
## Approximate Dimensions: Width



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# Toilet Room

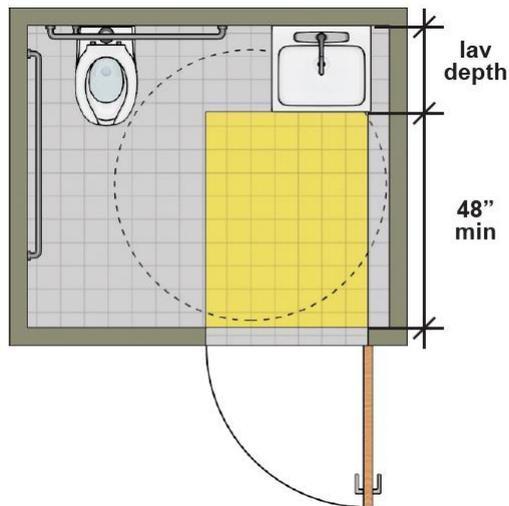
## Approximate Dimensions: Depth (in-swinging door)



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# Toilet Room

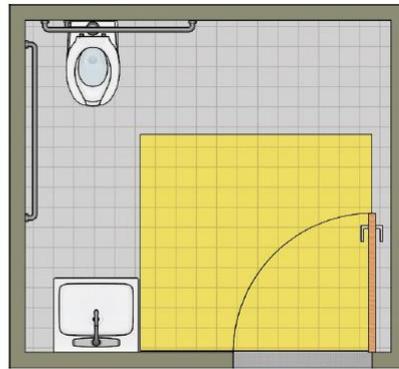
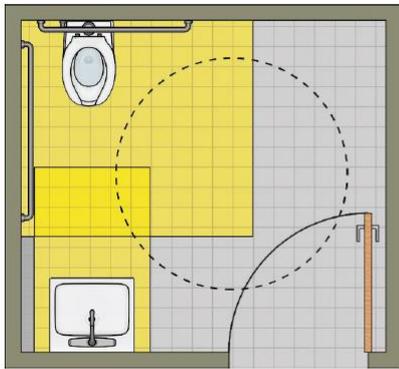
## Approximate Dimensions: Depth (out-swinging door)



44

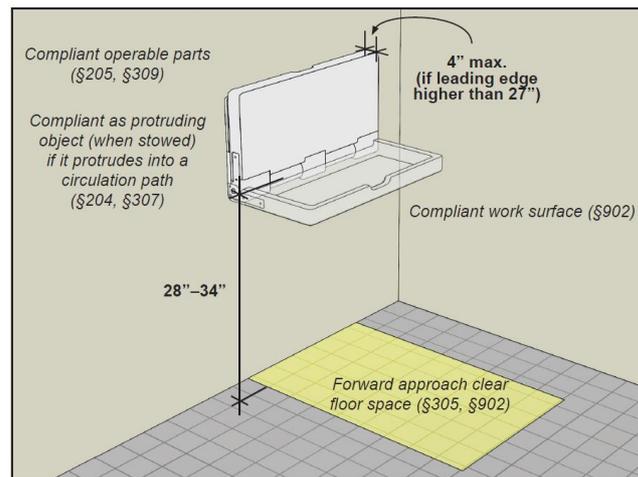
# Toilet Room

The requirements apply to all types of layouts



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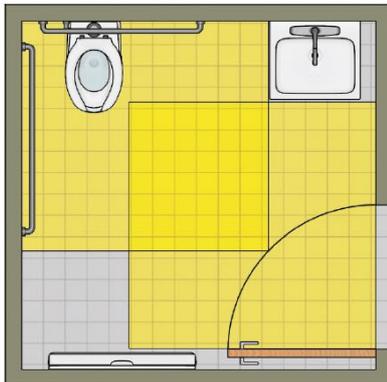
# Baby Changing Tables



Additional fixtures often effect the room size

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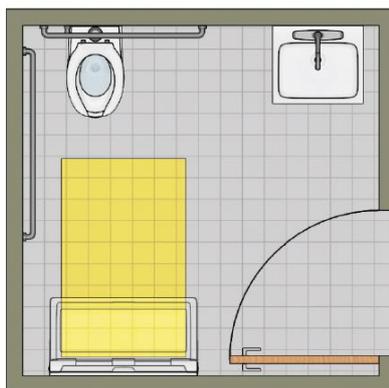
## Baby Changing Tables



Cannot overlap fixture clearances or door maneuvering clearances when stowed

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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

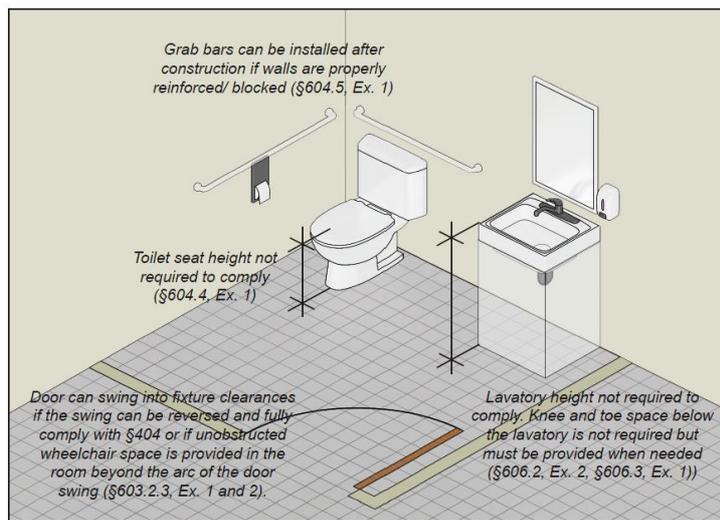
Exceptions for single-occupant toilet rooms accessed only through a private office and not for common or public use



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# Private Toilet Rooms

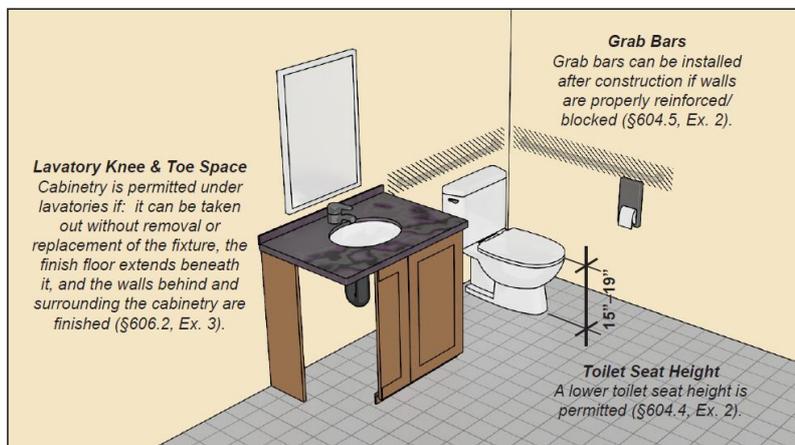
Exceptions (all other requirements apply)



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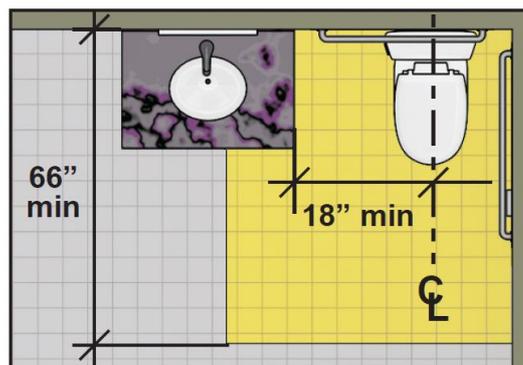
# Residential Dwelling Units

## Exceptions (all other requirements apply)



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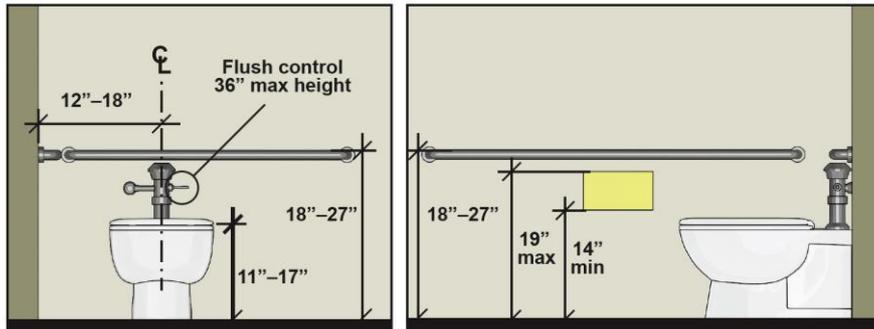
# Residential Dwelling Units



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

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# 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

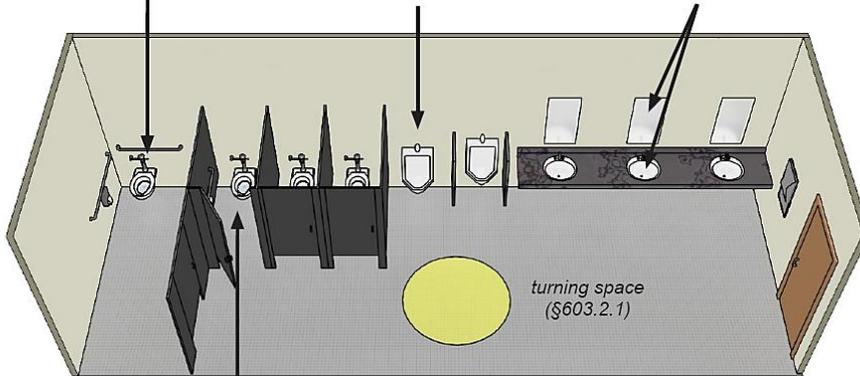
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# Multi-User Restrooms

At least one wheelchair accessible toilet compartment (§213.3.1)

At least one compliant urinal where more than one urinal is provided (§213.3.3)

At least one compliant lavatory (not located in a toilet compartment) and at least one compliant mirror, where provided (§213.3.4 and §213.3.5)

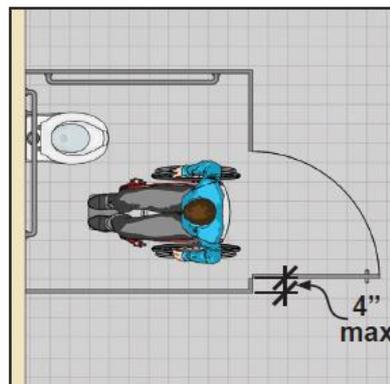


At least one ambulatory accessible toilet compartment in restrooms with at least 6 toilet compartments or where the combined total of toilets and urinals is at least 6 fixtures (§213.3.1)

Dispensers, receptacles, and other operable parts must comply where provided (§205)

# Toilet Compartments

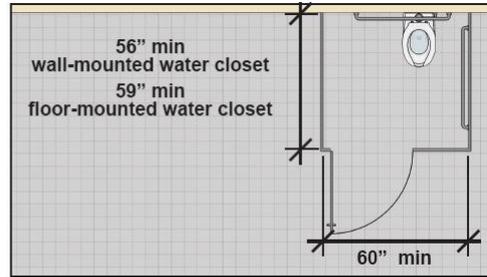
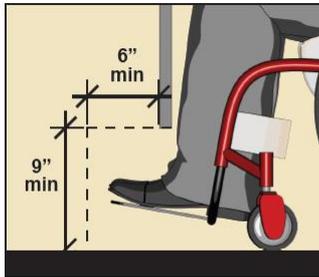
Door in corner opposite water closet to provide space to enter



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# Toilet Compartments

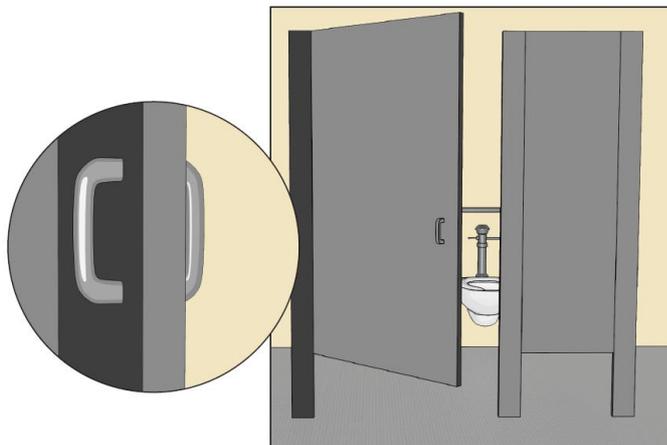
**Minimum size and toe clearance (required below front and a side partition)**



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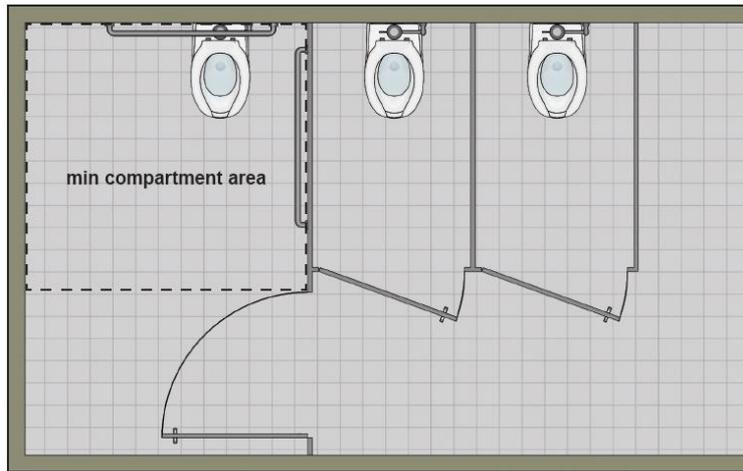
# Toilet Compartments

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



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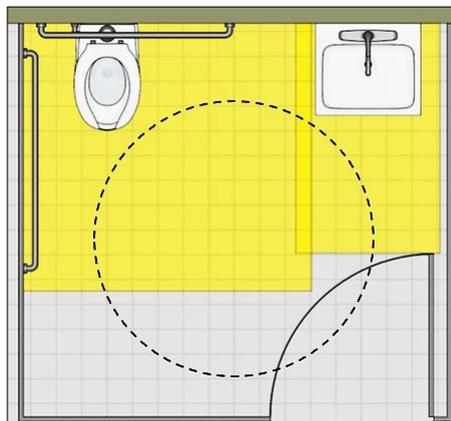
## Toilet Compartment: End of Row



End-of-row stall incorporates aisle space into stall  
(door can swing in if beyond min. compartment area) 59

## Toilet Compartments

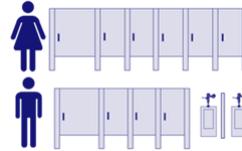
Stalls with more than 1 plumbing fixture treated as toilet room (room (2<sup>nd</sup> complaint lavatory required outside stall))



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# Ambulatory Stall

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

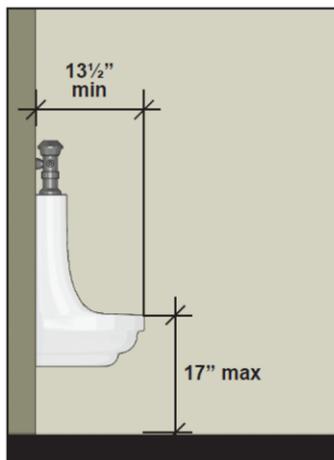


- parallel grab bars
- width: 35" – 37"
- depth: 60" min.
- doors: out-swinging, self-closing

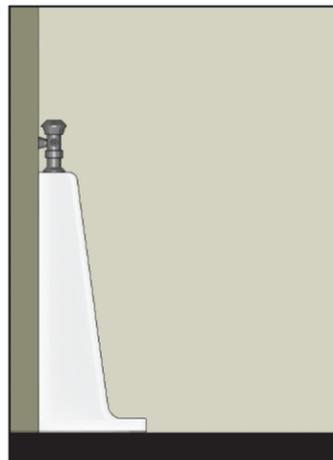
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# Urinals

Wall Hung

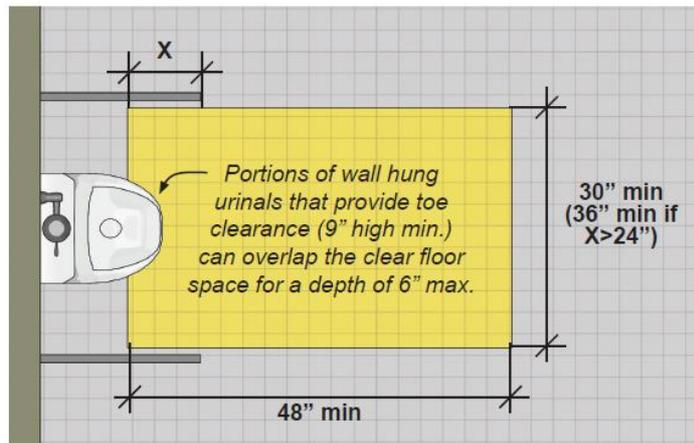


Stall Type



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# Urinals



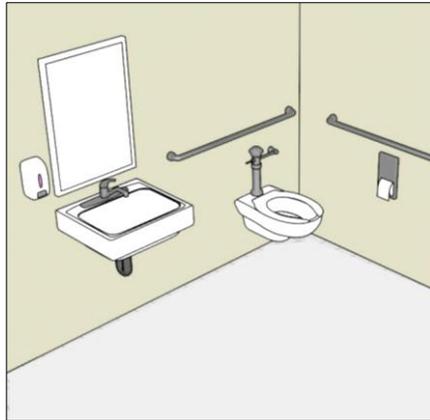
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# Lavatories

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## Lavatories (§213.3.4)

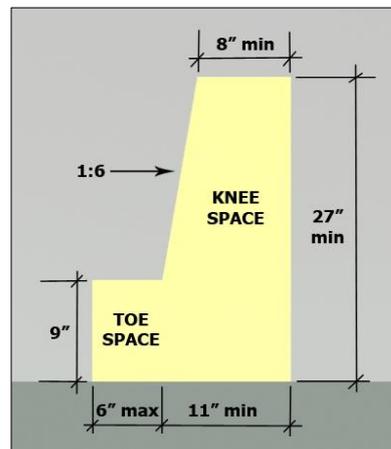
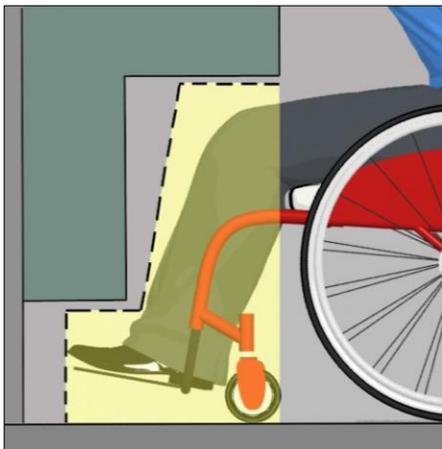
Toilet and bathing rooms: at least one lavatory must comply (not located in toilet stall)



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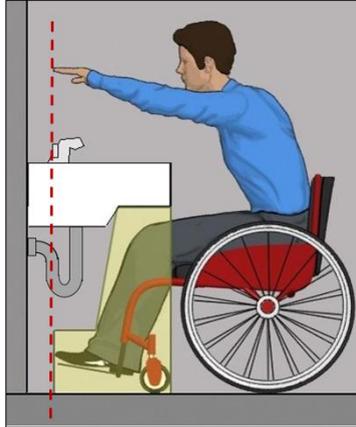
## Lavatories (§606)

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



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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

# Questions?



# U.S. Access Board

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## Continuing Education



**AIA Provider Number:** I017

**Course Title:** Accessible Toilet Rooms

**AIA Course Number:** GL20191003

**Date:** October 3, 2019

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**Next session:**

***October 24, 2019***

***Accessible Bathing Facilities***

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