

# ADA Standards Part 2



## Agenda

- Toilet Rooms
- Bathing Facilities
- Communication Elements
- Special Rooms & Spaces
- Built-In Elements

(Chapters 6 – 9)

## Which toilet rooms must comply?

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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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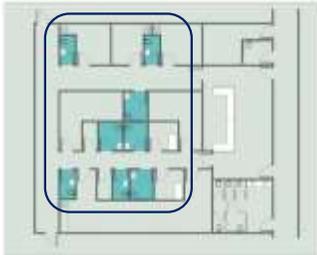
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## Clustered Toilet Rooms

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



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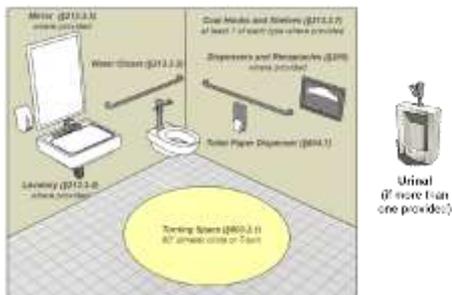
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## Toilet Rooms (§603)

Components of accessible toilet rooms



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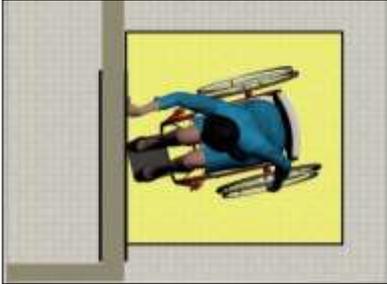
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## Toilet Rooms

Door maneuvering clearance (exterior)



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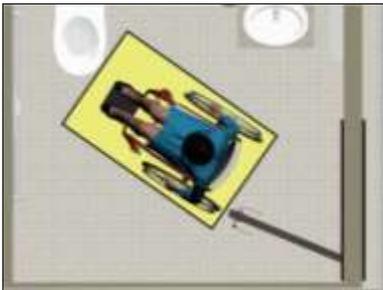
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## Toilet Rooms

Wheelchair space beyond door swing



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## Toilet Rooms

Clear floor space at toilet for approach & transfer



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## Toilet Rooms

Turning space (circular or T-shaped)



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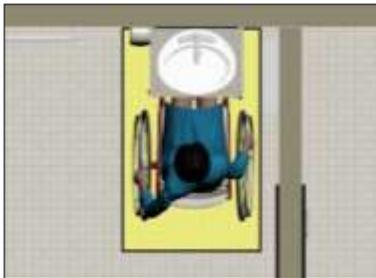
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## Toilet Rooms

Clear floor space at fixtures & elements



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## Toilet Rooms

Interior door maneuvering clearance



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# What's the minimum size of an accessible toilet room?

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## Toilet Rooms

Size of toilet rooms determined by:

- Room layout
- Number & configuration of fixtures
- Swing of doors
- Other factors

Overall room dimensions not specified

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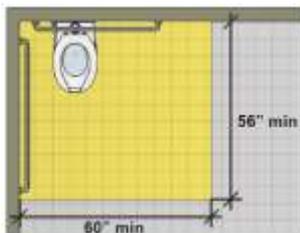
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## Toilet Room

Water Closet Clearance



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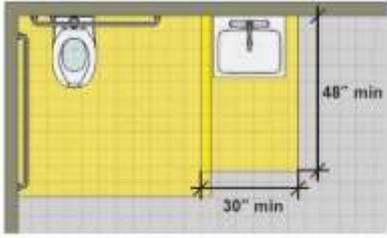
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## Toilet Room

Lavatory cannot overlap toilet clearance  
(except in dwelling units)



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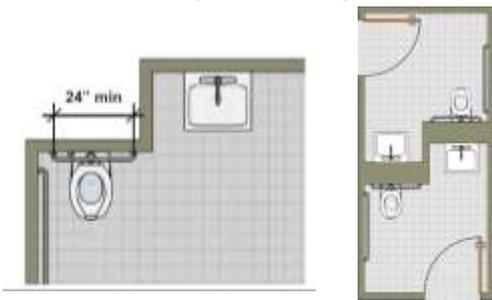
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## Toilet Room

Recessed Lavatory (shorter rear grab bar allowed)



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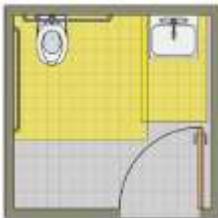
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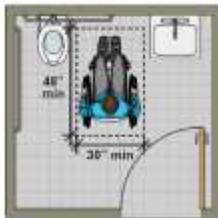
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## Toilet Room

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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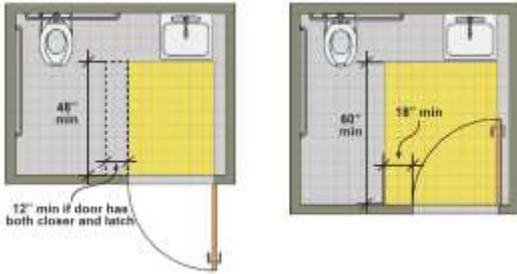
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## Toilet Room

Door maneuvering clearance (interior)



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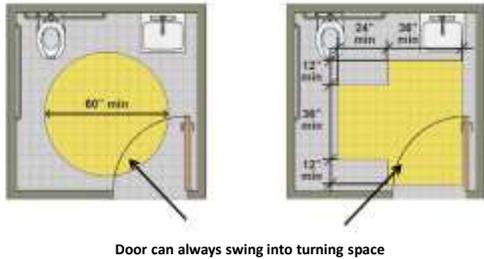
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## Toilet Room

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



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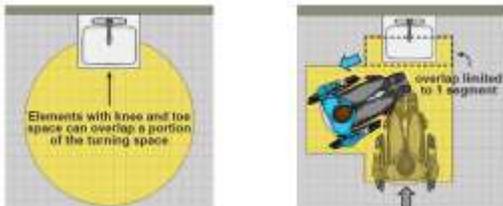
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## Toilet Room

Permitted overlap of turning space



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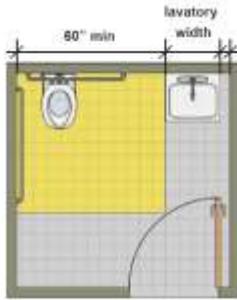
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## Toilet Room

Approximate Dimensions: Width



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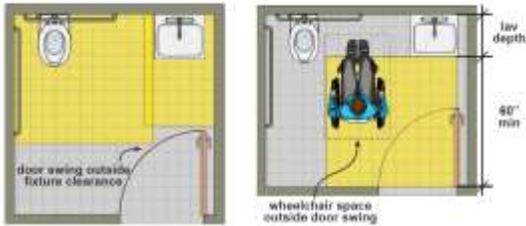
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## Toilet Room

Approximate Dimensions: Depth (in-swinging door)



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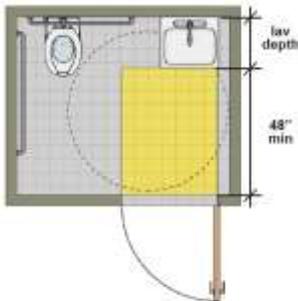
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## Toilet Room

Approximate Dimensions: Depth (out-swinging door)



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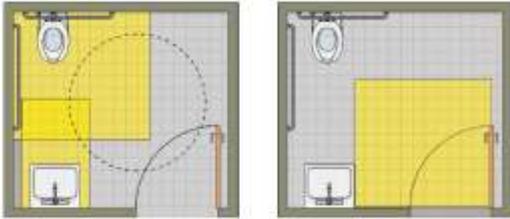
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# Toilet Rooms

The requirements apply to all types of layouts



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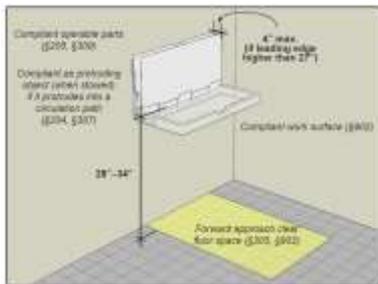
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# Baby Changing Tables



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Additional fixtures often effect the room size

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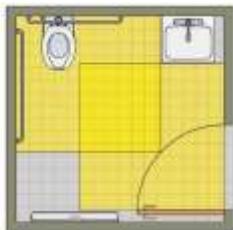
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# Baby Changing Tables



Cannot overlap fixture clearances or door maneuvering clearances when stowed

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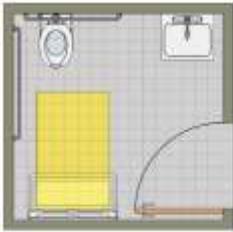
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## Baby Changing Tables



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

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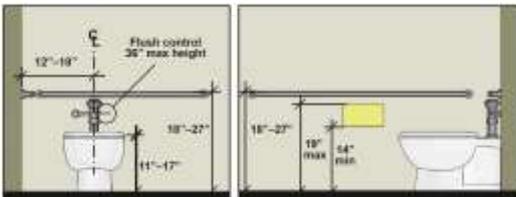
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## Children's Toilets



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" - 18"

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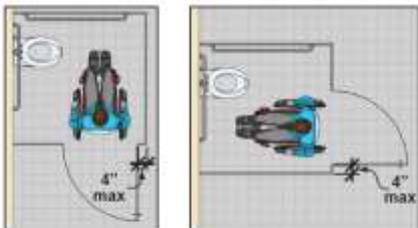
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## Toilet Compartments

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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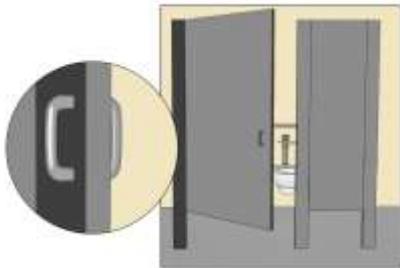
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# Toilet Compartments

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



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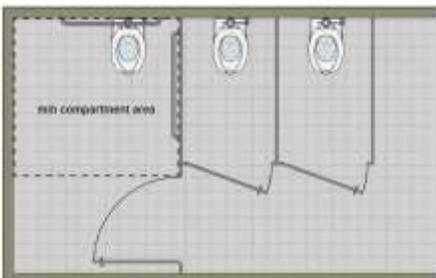
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# Toilet Compartment: End of Row



End-of-row stall incorporates aisle space into stall (door can swing in if beyond min. compartment area) <sup>33</sup>

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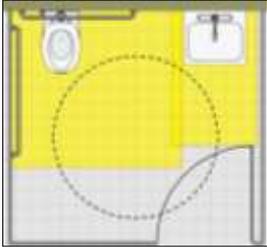
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# Toilet Compartments

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



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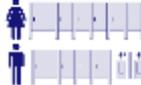
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# Ambulatory Stall

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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# Urinals

Wall Hung



Stall Type



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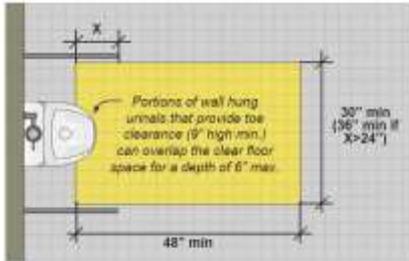
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## Urinals



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## Lavatories & Sinks

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## Sinks (§212.3)

**Public/ Common Use: Access to 5% min. of each type in each room/space must comply**

- Classrooms
- Laboratories (*used for instruction*)
- Break rooms

**Work Areas: access not required (recommended)**

- Laboratories (*employee use only*)
- Restaurant kitchen
- Janitor's sink (*exempt*)

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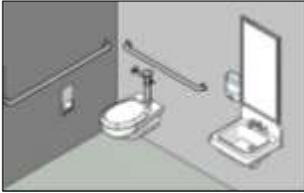
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## Lavatories (§213.3.4)

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



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## Lavatories and Sinks (§606)

Forward approach required, but side approach permitted at:

- kitchen sinks in spaces without cook tops/ ranges
- lavatories/ sinks designed for children 5 years and younger

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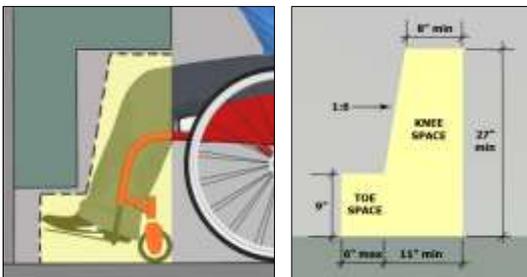
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## Lavatories and Sinks

Knee & toe space at lavatories



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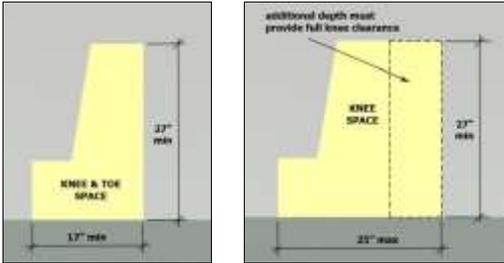
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## Lavatories and Sinks

Knee & toe space total depth: 17" - 25"



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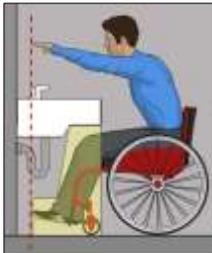
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## Lavatories and Sinks



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

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# Bathing Facilities

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## Bathing Facilities (§213)

In new construction, all bathing facilities must comply (except portable units - 5% min)



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## Bathing Facilities (§603)

At least one shower or tub required

- transfer shower stall
- roll-in shower
- combination transfer/roll-in shower (required in some transient lodging rooms)
- tubs

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## Bathing Facilities (§603)



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## Roll-in Shower



- Folding seating can be provided (required for some transient lodging guest rooms)
- ½" beveled curb allowed
- Grab bars can be continuous or split

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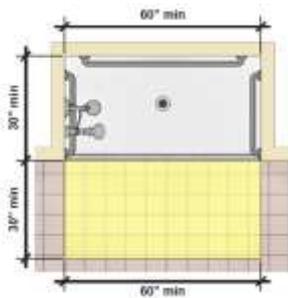
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## Roll-in Shower (no seat)

Size and Clearance



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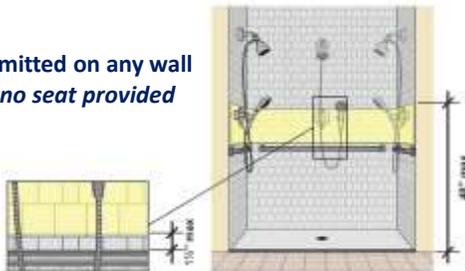
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## Roll-in Shower (no seat)

Shower Spray Unit and Controls

permitted on any wall  
if no seat provided



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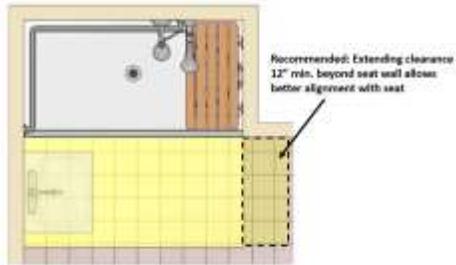
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## Roll-in Shower (with seat)



Lavatory can overlap clearance at end opposite seat (but should be avoided for better access).

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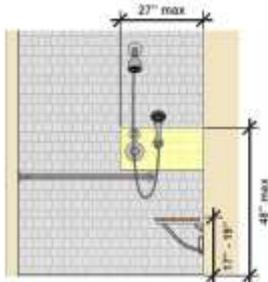
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## Roll-in Shower (with seat)



Shower spray unit & controls required on back wall within reach from seat; grab bars cannot overlap seat

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## Alternate Roll-in Shower



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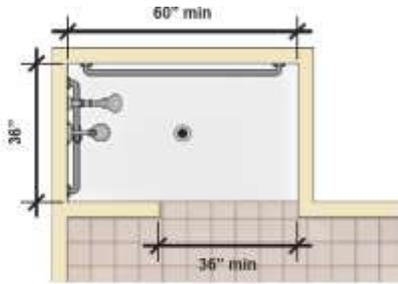
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## Alternate Roll-in Shower (no seat)

Dimensions



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## Alternate Roll-in Shower (with seat)

Seat must be folding and attached to front wall



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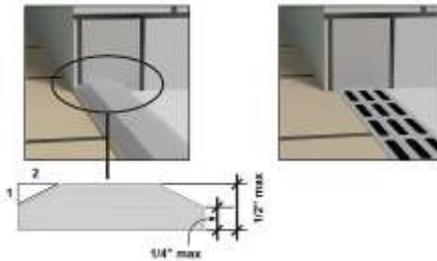
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## Thresholds (roll-in showers)



Beveled curb 1/2" max. permitted - Consider trench drains and other alternatives to curbs for better access

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## Transfer Shower



- Seat required
- ½" abrupt curb allowed
- Absolute stall dimensions
- Grab bars can be continuous or split

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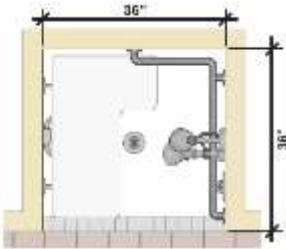
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## Transfer Shower

Stall dimensions: absolute, not minimum  
36" measured at center point of wall



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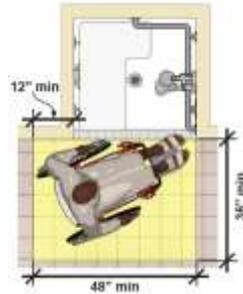
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## Transfer Shower

Required clearance positioned for alignment with seat



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## Transfer Shower

Vertical threshold  $\frac{1}{2}$ " max. allowed



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## Shower Spray Units



- Usable as hand-held & in fixed position
- On/off control
- Non-positive shut-off
- Hose 59" min. long

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## Bathtubs (Removable Seat)



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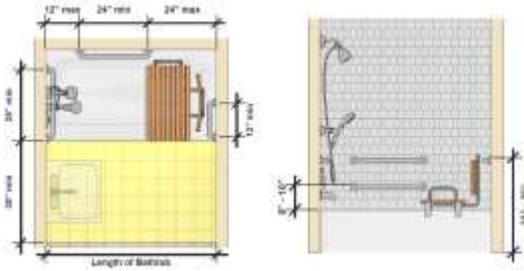
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# Bathtubs

## Clearance and Grab Bars



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## Bathtubs (Permanent Seat)



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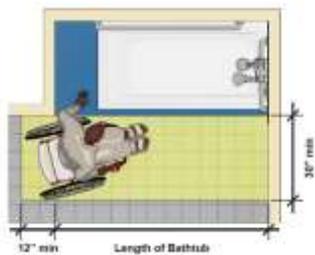
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## Bathtubs (Permanent Seat)



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## Bathroom: Roll-In Shower



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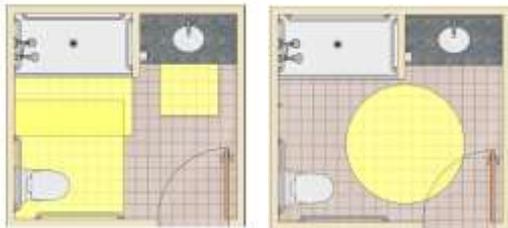
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## Bathroom: Roll-In Shower

Fixture Clearances and Turning Space



Door can swing into turning space

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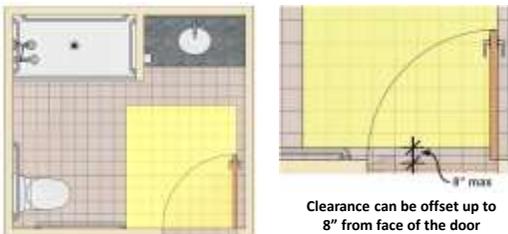
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## Bathroom: Roll-In Shower

No elements can overlap the door maneuvering clearance



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

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# Communication Elements

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## Communication Elements

- Fire Alarm Systems
- Signs
- Telephones
- Detectable Warnings
- Assistive Listening Systems
- ATMs & Fare Machines
- Two-Way Communication Systems



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## Signs (§216, §703)

- Tactile/ visual – labels for permanent rooms & spaces, exit doors
- Visual only – directional or informational signs
- Exempt: temporary signs, building menus, directories, addresses, company names and logos

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## Tactile Signs

Signs identifying “permanent” rooms & spaces:

- designations not likely to change over time (or without significant alteration of room/space)
- typically located at doorways



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## Tactile Signs

- room and floor numbers/letters
- room names
- labels for restrooms, locker rooms, cafeterias, mechanical rooms, and other permanent rooms/spaces
- doors at exit stairways, exit passageways, and exit discharge (label required)
- signs identifying rail stations/entrances



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## Signs

### Tactile & Visual

- “Room 123”
- “Restroom”
- “Mechanical Room”
- “Exit” (at certain doors)
- “Floor B”
- “Ballroom A”
- “C. Smith Room”

### Visual Only

- “Exit →”
- “Employees Only”
- “Visitors must sign in”

### Exempt

- building directory
- “Mr. C. Smith, Accountant”

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# Signs

International Symbol of Accessibility

- entrances
- toilet and bathing rooms
- check-out aisles
- parking
- existing elevators



Not required where *all* are accessible

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## Special Rooms, Spaces, and Elements

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### Special Rooms & Spaces

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|-----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
|  Assembly Areas                    |  Prison Cells              |
|  Dressing, Fitting, & Locker Rooms |  Courtrooms                |
|  Kitchens & Kitchenettes           |  Dwelling Units            |
|  Medical & Long-term care          |  Transportation Facilities |
|  Transient Lodging                 |  Storage                   |

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# Built-In Elements

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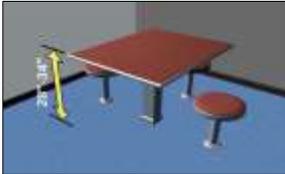
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## Dining & Work Surfaces (§226)

- Access to at least 5% of seating & standing spaces at dining surfaces
- Access to at least 5% of work surfaces (other than those used by employees)
- Dispersion



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## Sales & Service Counters (§227)

At least one of each type of sales and service counter must comply



Queues/ waiting lines and food service lines also addressed

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## Sales & Service Counters (§904)

- 36" max. height (accessible portion)
- applies to full depth of counter
- forward or side approach
- method to facilitate voice communication required where security glazing provided



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## Check-out aisles (§227)

- aisle width
- 38" max. counter height (2" max. high edge protection)
- check writing surface 28" – 34" high
- labeled by ISA (unless all accessible)



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## Technical Guides on the Standards

Available on the Board's website



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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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