

Using The ADA and ABA Standards Series: Chapter 6 Plumbing Elements & Facilities

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Presenters

U.S. Access Board



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Agenda

- **Drinking fountains**
- **Toilet Rooms**
- **Bathing Rooms**
- **Lavatories & Sinks**
- **Washing Machines & Clothes Dryers**
- **Saunas & Steam Rooms**

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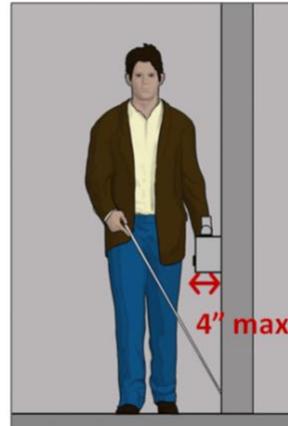
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Drinking Fountains §211 & §602

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Drinking Fountains as Protruding Object [§602.1, §307]

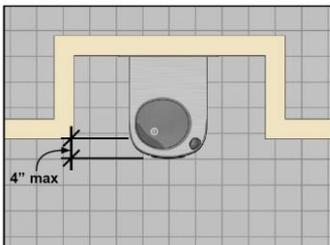


Elements often recessed to comply (e.g., drinking fountains at standard heights)

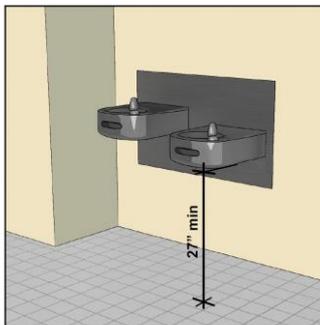
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Drinking Fountain as Protruding Object



Recess into wall 4 inch maximum projection.

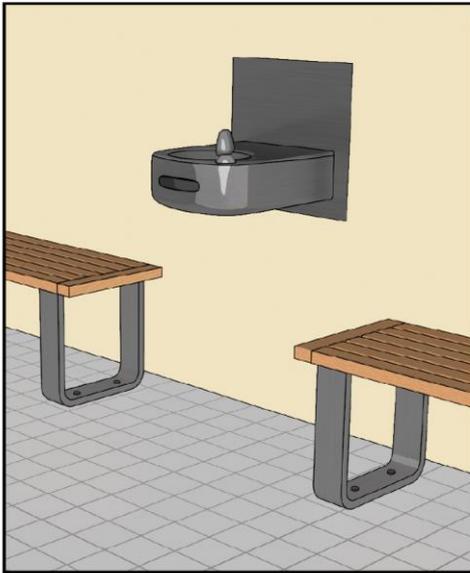


Wheelchair accessible unit (27" high absolute) can enclose one side of high units

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Drinking Fountain as Protruding Object

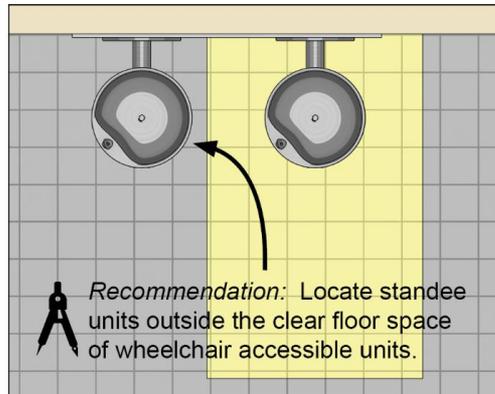
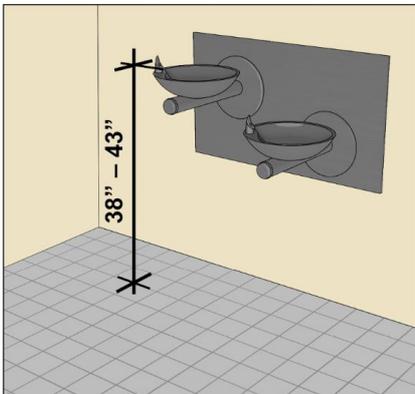


Other fixed objects such as benches or planers can provide the recess necessary to have the drinking fountain not be a protruding object.

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Clear Floor/ Ground Space



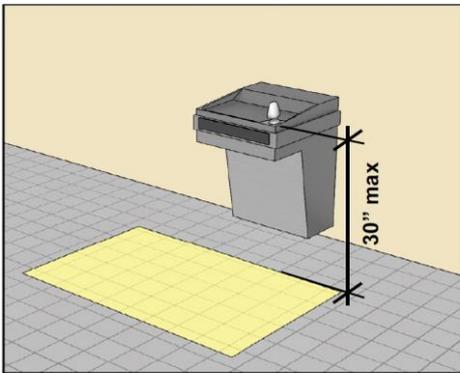
Recommendation: Locate standee units outside the clear floor space of wheelchair accessible units.

Locating standee drinking fountains outside of the clear floor space for wheelchair accessible units makes both more usable.

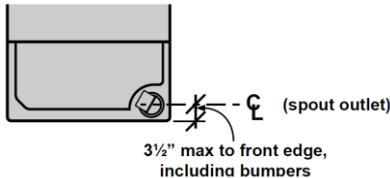
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Drinking Fountains for Children's Use



A parallel approach shall be permitted at units for children's use where the spout is 30 inches maximum above the finish floor or ground and is 3½ inches maximum from the front edge of the unit, including bumpers.



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Water Coolers and Bottle Fillers



- Water Coolers and Bottle Fillers cannot substitute for accessible drinking fountains where drinking fountains are provided.
- Providing them does not create a requirement for drinking fountains.
- If provided they must comply with operable part requirements of the standards.

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Toilet Rooms §213 & §604

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Toilet & Bathing Facilities (§213)

In new construction, all toilet and bathing facilities must be accessible (including employee only facilities), except:

- portable units (5% min) and...



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Clustered Toilet Rooms

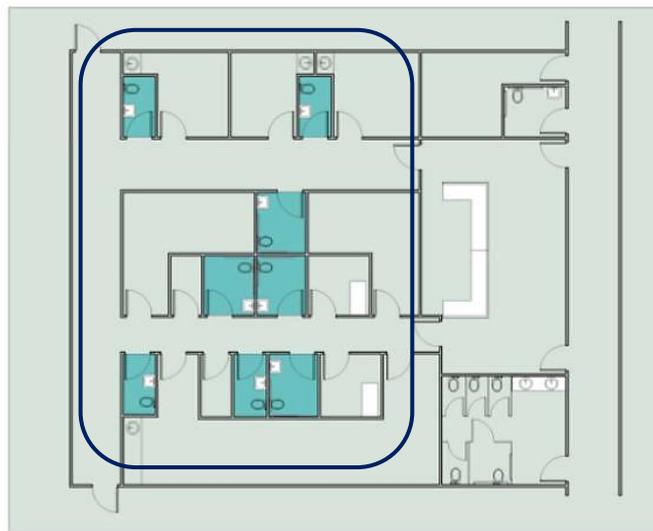
Access to at least 50% of single user toilet rooms clustered at 1 location & serving same users



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Clustered Toilet Rooms

Example of clustered toilet rooms



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New Construction

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

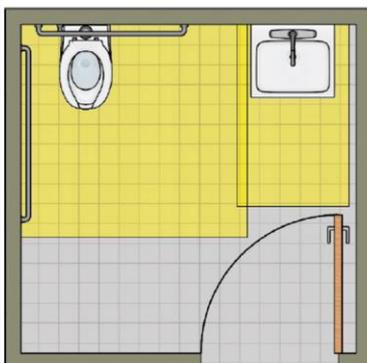


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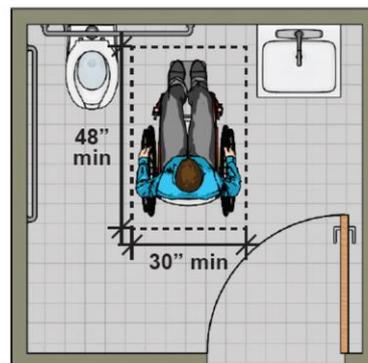
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Toilet Room

Doors (single user toilet room)



Keep swing outside fixture clearances or ...



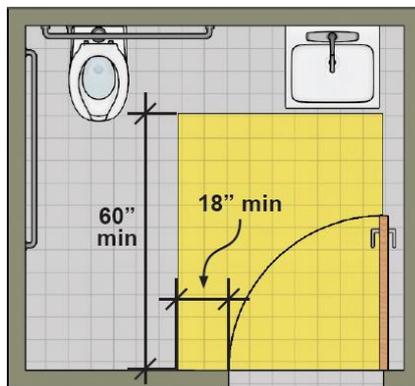
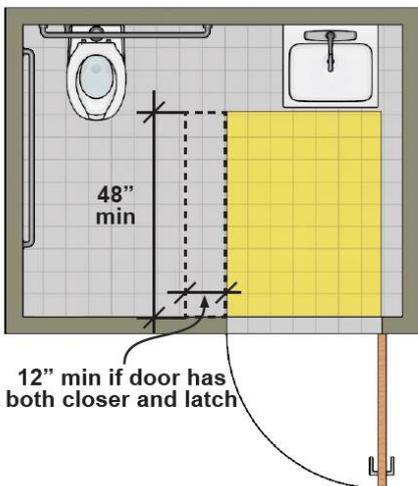
... provide unobstructed clear floor space (30" x 48" min.) outside swing (location not specified)

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Toilet Room

Door swing and required maneuvering clearance

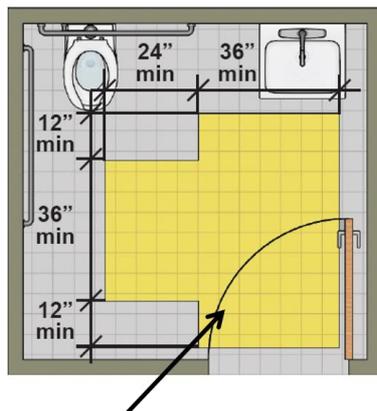
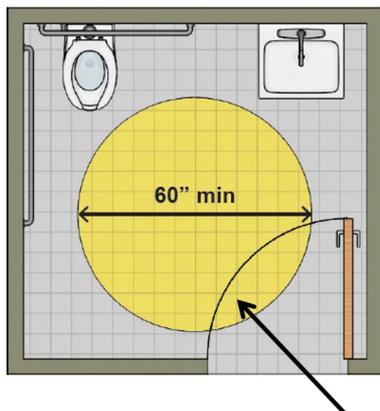


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Toilet Room

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



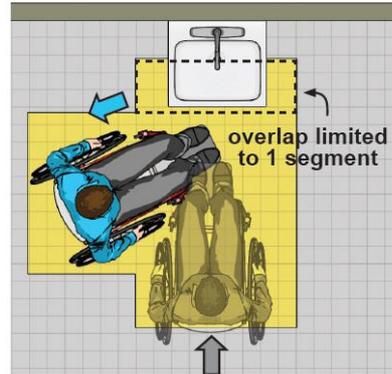
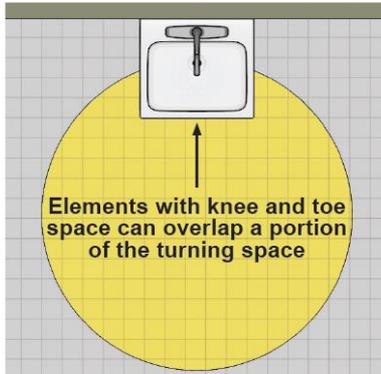
Door can always swing into turning space

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Toilet Room

Permitted overlap of turning space

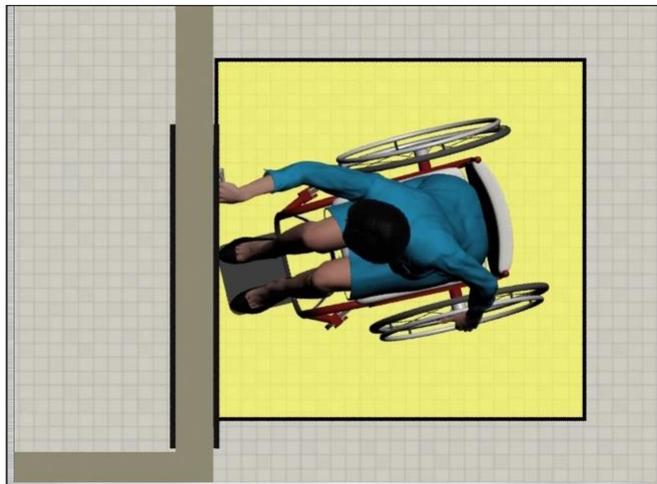


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Toilet Rooms

Door maneuvering clearance (exterior)

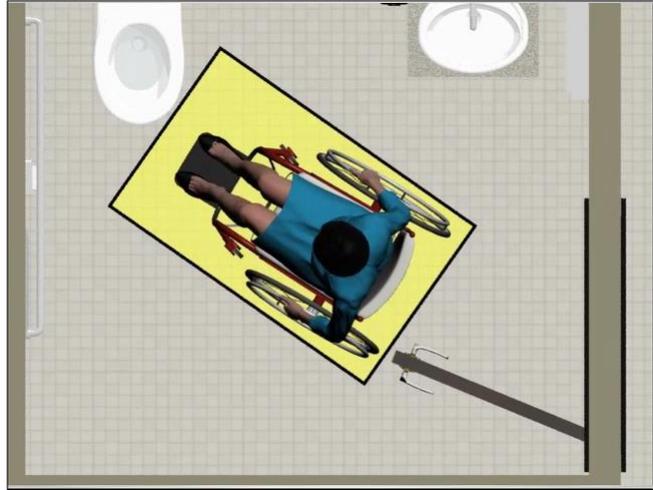


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Toilet Rooms

Wheelchair space beyond door swing

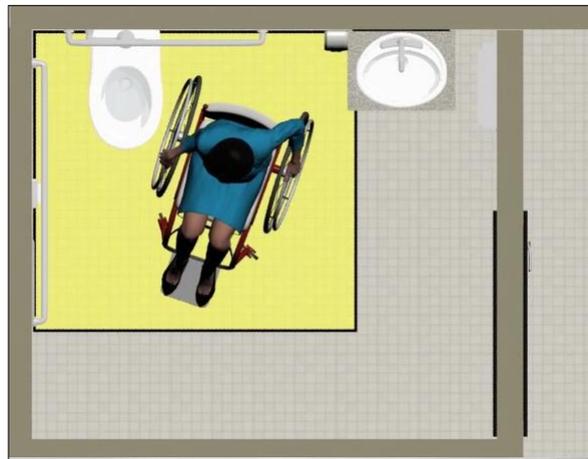


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Toilet Rooms

Clear floor space at toilet for approach & transfer

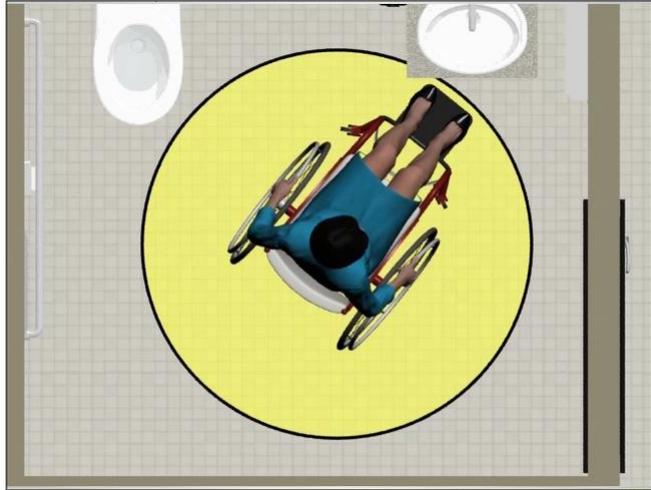


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Toilet Rooms

Turning space (circular or T-shaped)

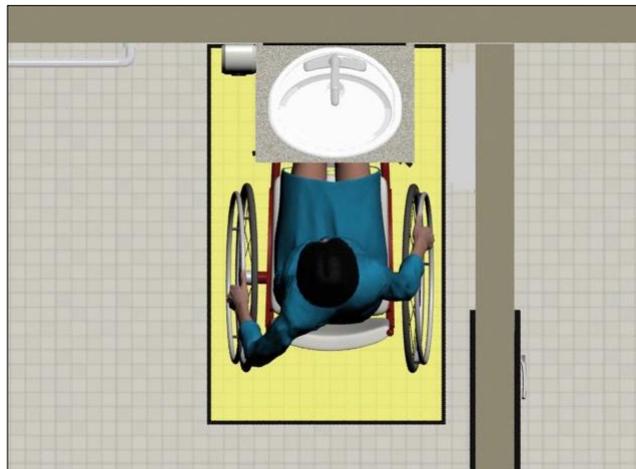


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Toilet Rooms

Clear floor space at fixtures & elements

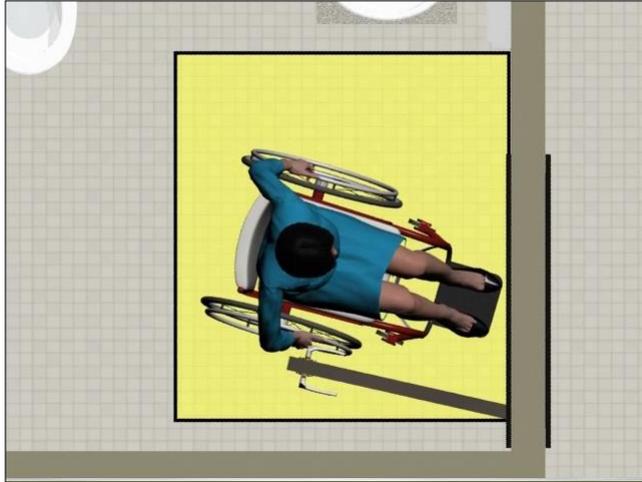


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Toilet Rooms

Interior door maneuvering clearance



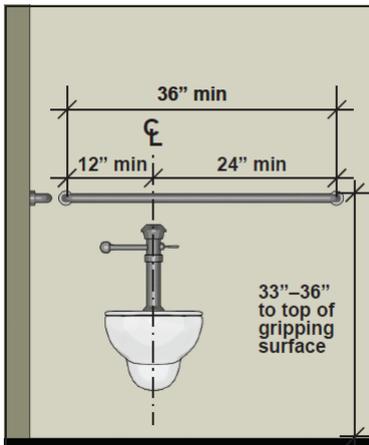
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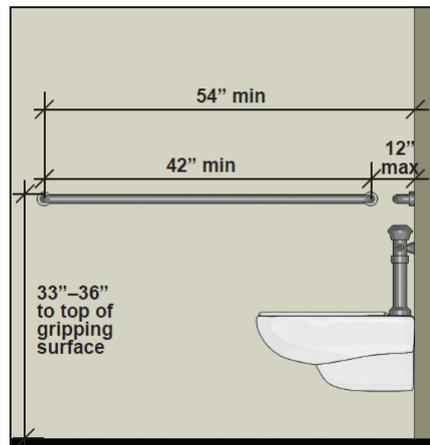
Water Closet Grab Bars

Grab bar location

Rear Grab Bar



Side Grab Bar

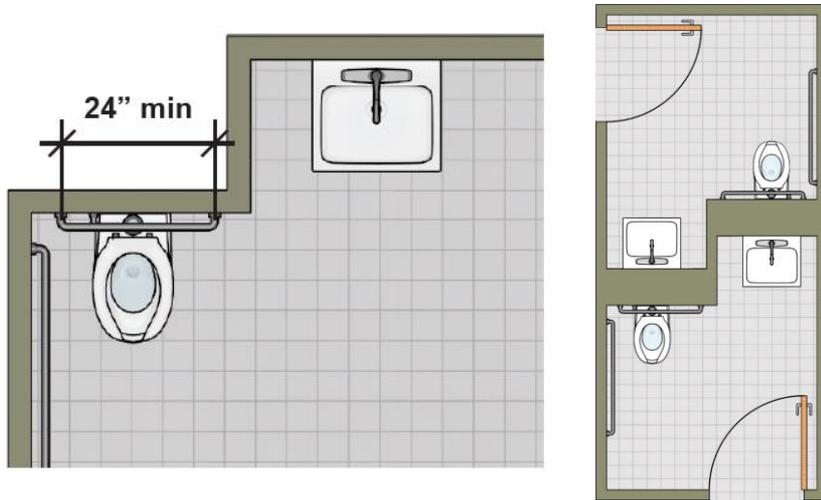


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Toilet Room

Recessed Lavatory (shorter rear grab bar allowed)

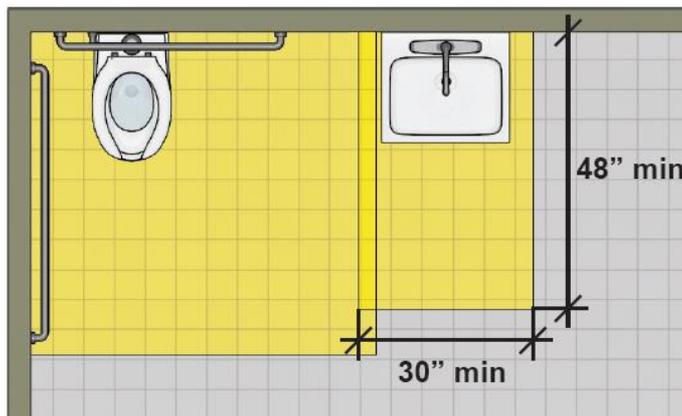


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Toilet Room

Lavatory cannot overlap toilet clearance (except in dwelling units)



Clear floor spaces can overlap

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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

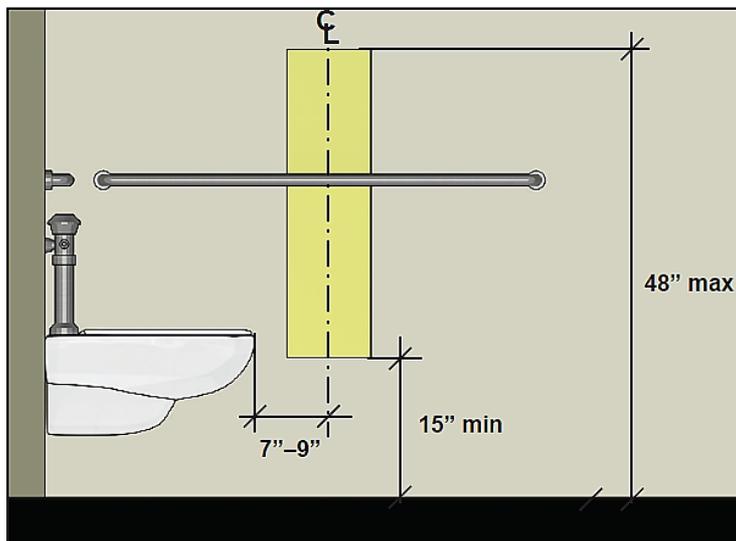


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Water Closets

Toilet paper dispenser location (if recessed)

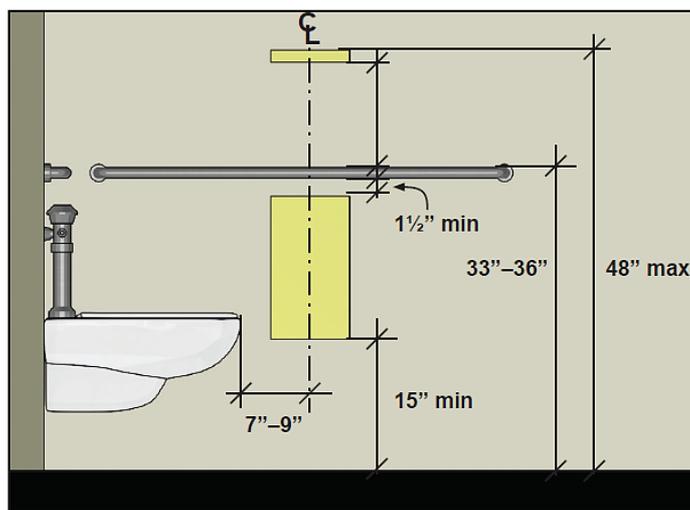


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Water Closets

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



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Urinals

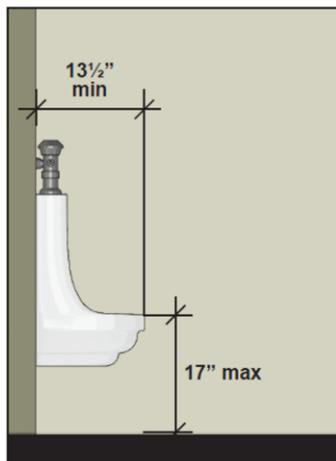
§213.3.3 & §605

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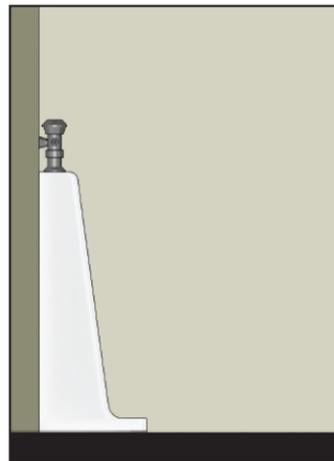
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Urinals

Wall Hung



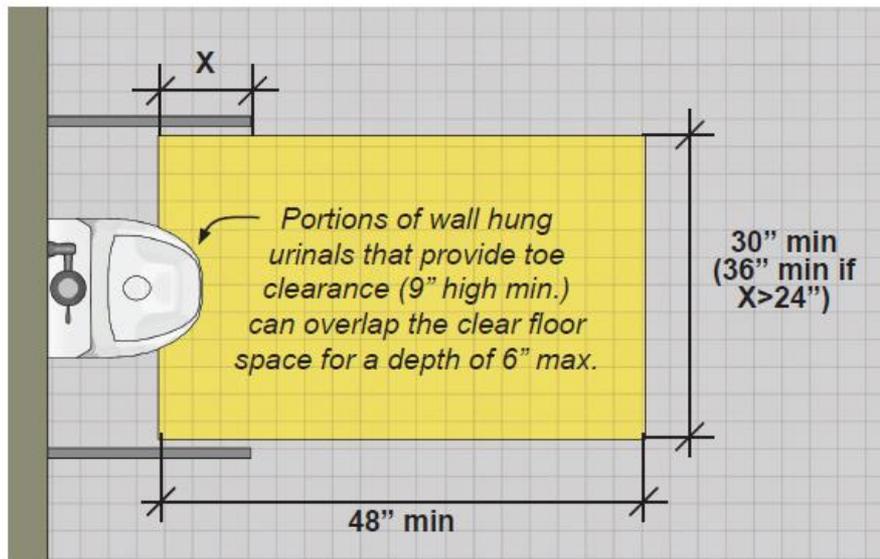
Stall Type



Accessible urinal required when more than 1 is provided ³⁴

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Urinals



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Bathing Rooms §213 & §603

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Bathing Facilities (§213)

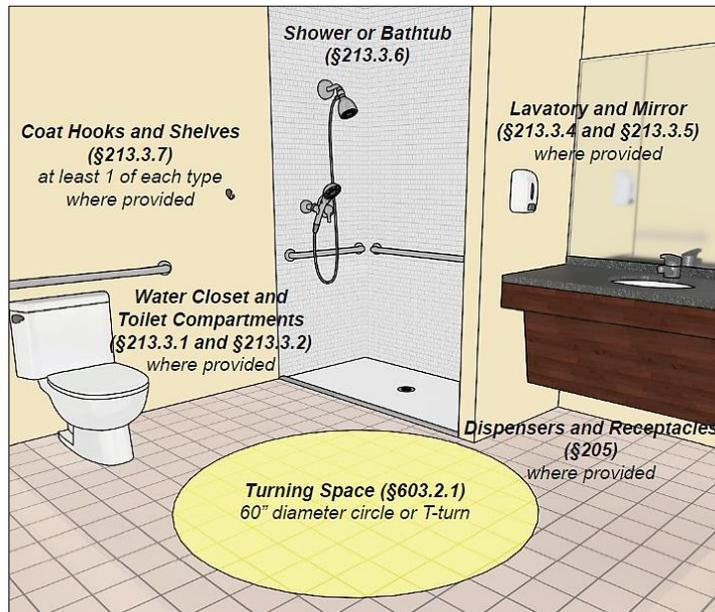
In new construction, all bathing facilities must comply, including employee only.
(except portable units - 5% min)



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Bathing Facilities (§603)



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Bathing Facilities

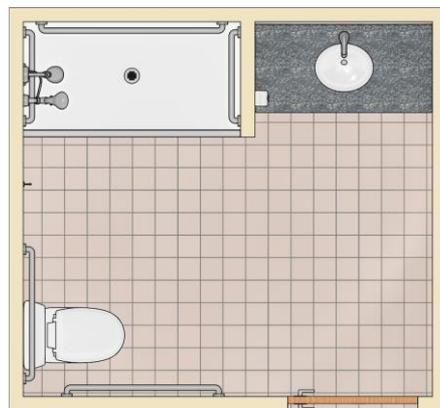
At least one shower or tub required

- roll-in shower
- alternate roll-in shower
- transfer shower
- bathtub
- combination transfer/roll-in shower
(required in some transient lodging rooms)

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Bathroom: Roll-In Shower



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Roll-in Shower

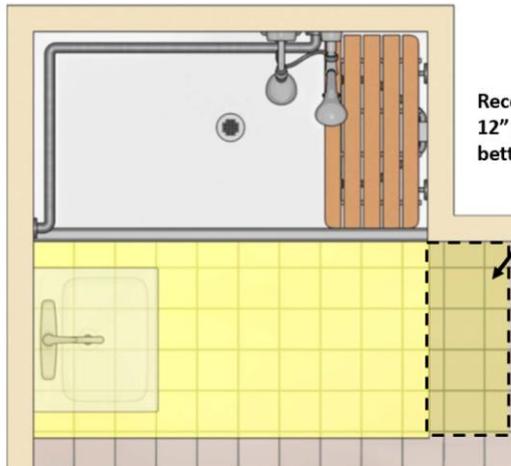


- Folding seating can be provided (required for some transient lodging guest rooms).
- When seat is provided grab bars shall not be installed in seat area.
- Grab bars can be continuous or split
- ½" beveled curb allowed.

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Roll-in Shower (with seat)



Recommended: Extending clearance 12" min. beyond seat wall allows better alignment with seat

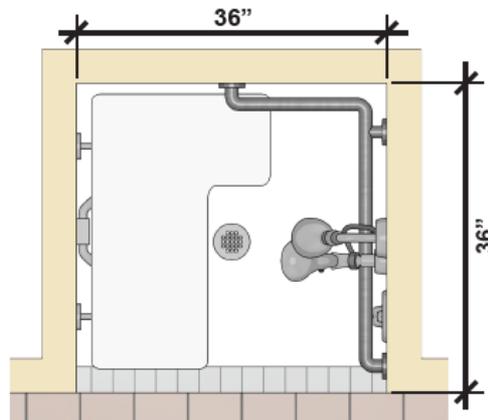
Lavatory can overlap clearance at end opposite seat (but should be avoided for better access).

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Transfer Shower

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

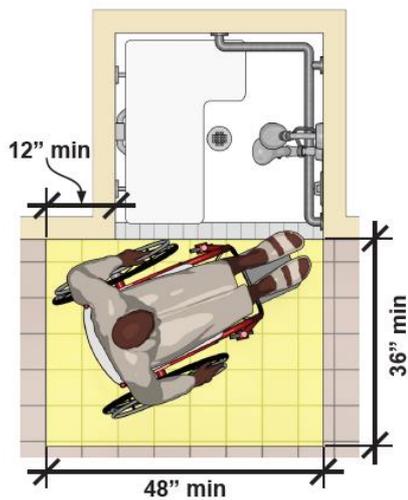


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Transfer Shower

Required clearance positioned for alignment with seat



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Showers

Common Error: Lavatory blocks transfer space at seat



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Showers

Common Error: Grab bar on seat wall

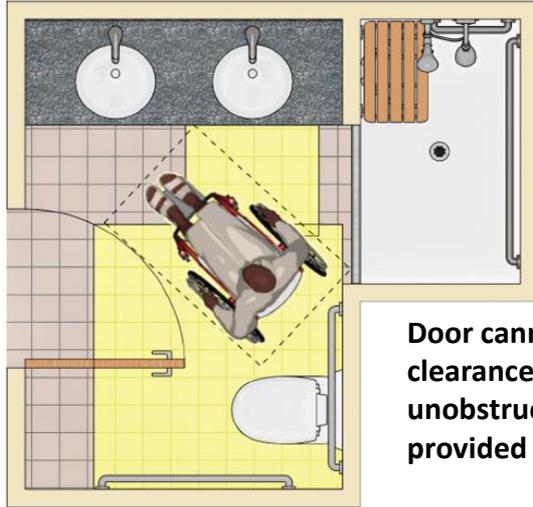


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Bathroom: Alternate Roll-In

Door Swing & Fixture Clearances



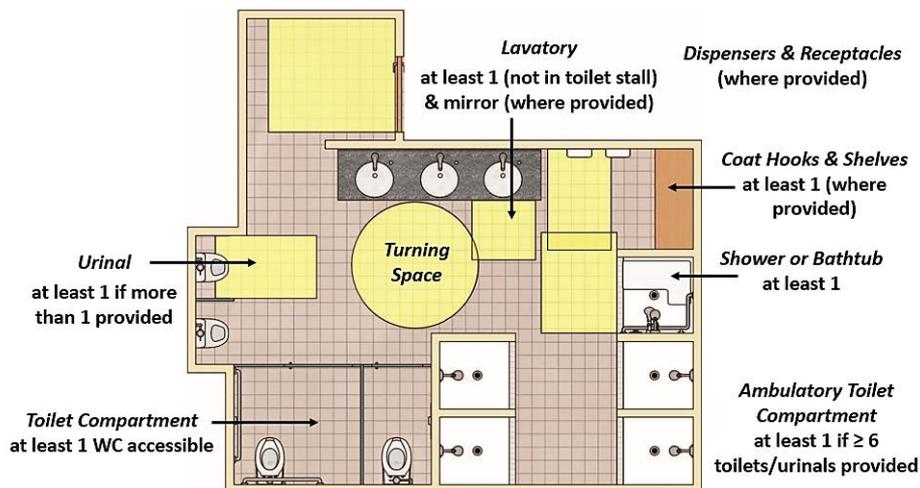
Door cannot swing into fixture clearances (in single-user) unless unobstructed wheelchair space is provided beyond the swing (§603.2.3)

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Bathing Facility: Multi-User

Elements and Spaces Required to Comply



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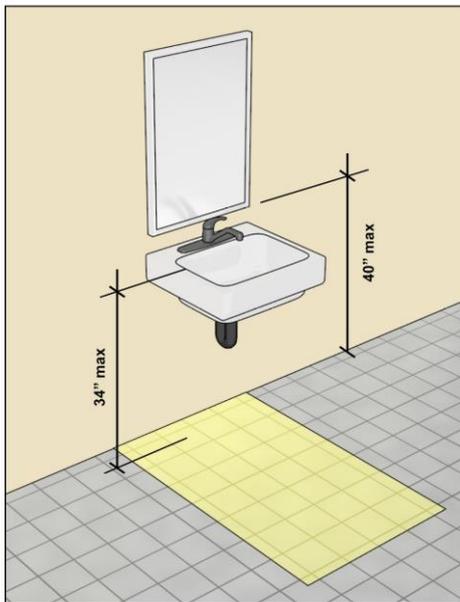
Lavatories

§213.3.4 and §606

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Lavatories (§213.3.4)



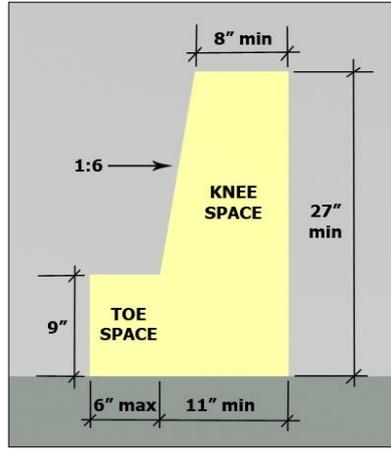
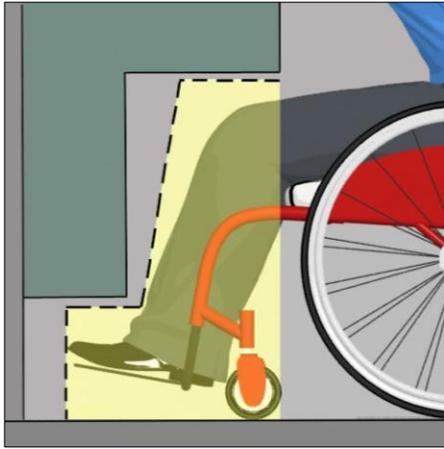
**Toilet and bathing rooms:
at least one lavatory
must comply with §606
(not located in a toilet
stall)**

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Lavatories (§606)

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



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Lavatories



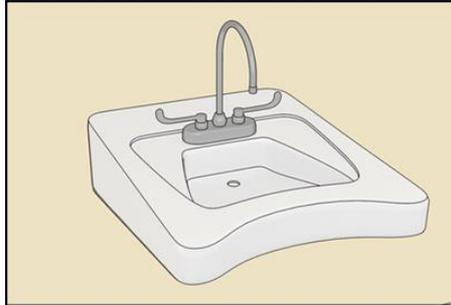
Knee & toe space depth must equal or exceed depth of reach to operable parts

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Lavatories

Tip: Avoid hospital style lavatories with deep projections



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

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Washing Machines and Clothes Dryers §214 and §611

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Washing Machines & Clothes Dryers

Minimum required to comply for both washers and dryers:

- 1 accessible where 3 or fewer provided
- 2 accessible where more than 3 provided



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Washing Machines & Clothes Dryers

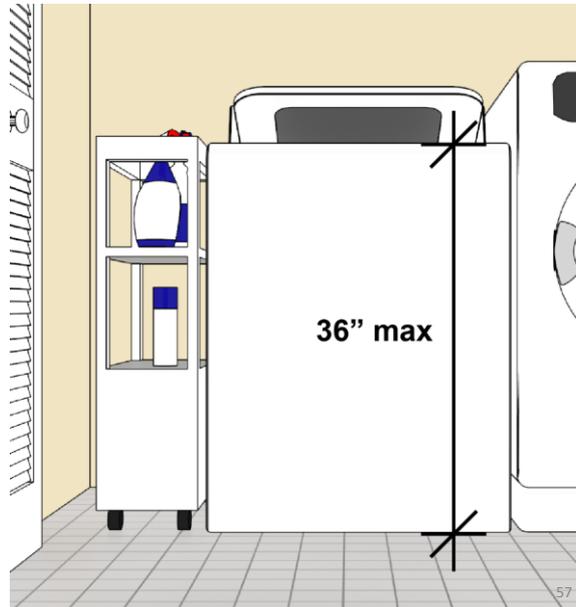
- Clear floor space for parallel approach centered on appliance (the spaces can overlap)
- All operable parts must be accessible (comply with §309)



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Washing Machines & Clothes Dryers

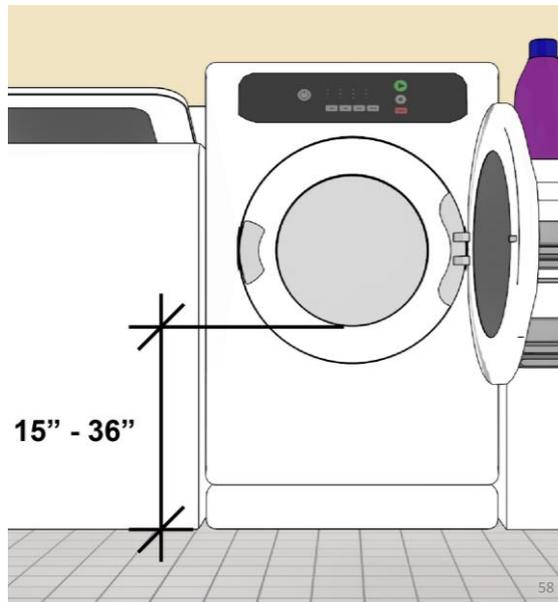
- Top loading machines: door to the laundry compartment height 36 inches maximum.



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Washing Machines & Clothes Dryers

- Front loading machines: the bottom of the opening to the laundry compartment shall be located 15 inches minimum and 36 inches maximum.



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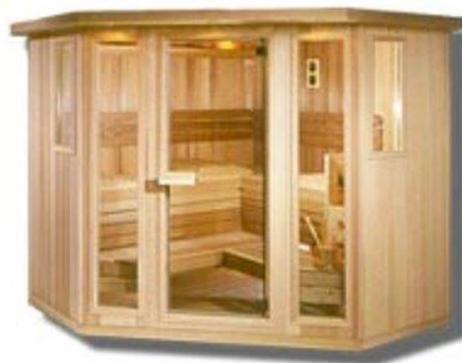
Saunas & Steam Rooms §241 and §612

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Saunas and Steam Rooms

- Where provided in a cluster, at least 5%, not less than one of each type.
- Turning space within the room—may be obstructed by readily removable seats.
- Door swing can not swing into clear floor/ground space for bench.
- A compliant bench is required where seating is provided.



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Technical Guides on the Standards

Available on the Board's website



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Continuing Education



AIA Provider Number: I017

AICP Provider Name: Great Lakes ADA Center

Course Title: Using the ADA and ABA Standards Series: Chapter 6: Plumbing Elements and Facilities

Course Number: GL20200702

Date: July 2, 2020

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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Questions will be addressed at the conclusion of this presentation.

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Thank you for participating in today's webinar



**Next session:
August 6, 2020**



**USING THE ADA AND ABA STANDARDS SERIES: CHAPTER 7:
COMMUNICATION ELEMENTS AND FEATURES**

2:30 pm – 4:00 pm EST

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