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

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

Drinking Fountains
§211 & §602
Drinking Fountains as Protruding Object

[§602.1, §307]

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

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
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.

Clear Floor/ Ground Space

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

![Diagram of drinking fountain for children's use](image)

(spout outlet)

3½” max to front edge, 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.
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...
Clustered Toilet Rooms

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

Clustered Toilet Rooms

Example of clustered toilet rooms
New Construction

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

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)
Toilet Room

Door swing and required maneuvering clearance

Toilet Room

Turning Space: 60” diameter circle or “T” shaped space

Door can always swing into turning space
Toilet Room
Permitted overlap of turning space

Elements with knee and toe space can overlap a portion of the turning space

Toilet Rooms
Door maneuvering clearance (exterior)
Toilet Rooms
Wheelchair space beyond door swing

Toilet Rooms
Clear floor space at toilet for approach & transfer
Toilet Rooms

Turning space (circular or T-shaped)

Toilet Rooms

Clear floor space at fixtures & elements
Toilet Rooms

Interior door maneuvering clearance

Water Closet Grab Bars

Grab bar location

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Toilet Room

Recessed Lavatory (shorter rear grab bar allowed)

Lavatory cannot overlap toilet clearance (except in dwelling units)

Clear floor spaces can overlap
Water Closets

Common problem: large dispensers above grab bar impact usability

Water Closets

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

Toilet paper dispenser location (if recessed)

Water Closets

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

§213.3.3 & §605

Accessible urinal required when more than 1 is provided
Urinals

Portions of wall hung urinals that provide toe clearance (9" high min.) can overlap the clear floor space for a depth of 6" max.

48" min

30" min (36" min if X>24")

Bathing Rooms

§213 & §603
Bathing Facilities (§213)
In new construction, all bathing facilities must comply, including employee only.
(except portable units - 5% min)

Bathing Facilities (§603)
- Shower or Bathtub (§213.3.6)
- Coat Hooks and Shelves (§213.3.7)
- Water Closet and Toilet Compartment (§213.3.1 and §213.3.2)
- Lavatory and Mirror (§213.3.4 and §213.3.5)
- Dispensers and Receptacles (§205)
- Turning Space (§603.2.1) 60" diameter circle or T-turn
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)
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
- $\frac{1}{2}$” beveled curb allowed.

Roll-in Shower (with seat)

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

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

Transfer Shower

Required clearance positioned for alignment with seat

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Showers

Common Error: Lavatory blocks transfer space at seat

Showers

Common Error: Grab bar on seat wall
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)

Bathing Facility: Multi-User

Elements and Spaces Required to Comply

- Lavatory at least 1 (not in toilet stall) & mirror (where provided)
- Dispensers & Receptacles (where provided)
- Coat Hooks & Shelves at least 1 (where provided)
- Shower or Bathtub at least 1
- Ambulatory Toilet Compartment at least 1 if ≥ 6 toilets/urinals provided
Lavatories
§213.3.4 and §606

Lavatories (§213.3.4)

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

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

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

*Tip:* Avoid hospital style lavatories with deep projections

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

Washing Machines and Clothes Dryers

§214 and §611
**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

**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)
Washing Machines & Clothes Dryers

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

- Front loading machines: the bottom of the opening to the laundry compartment shall be located 15 inches minimum and 36 inches maximum.
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 cannot swing into clear floor/ground space for bench.
- A compliant bench is required where seating is provided.
Technical Guides on the Standards
Available on the Board’s website

Questions?
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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