

# 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?

## Toilet & Bathing Facilities (§213)

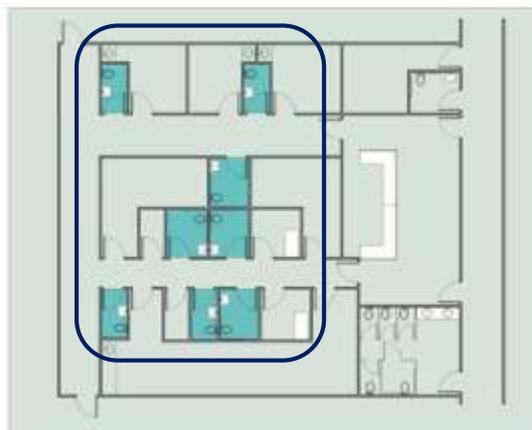
In new construction, all toilet and bathing facilities must be accessible, except:

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



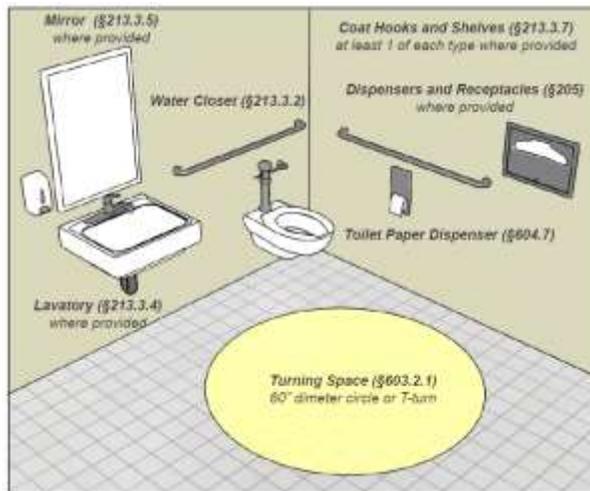
# Clustered Toilet Rooms

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



## Toilet Rooms (§603)

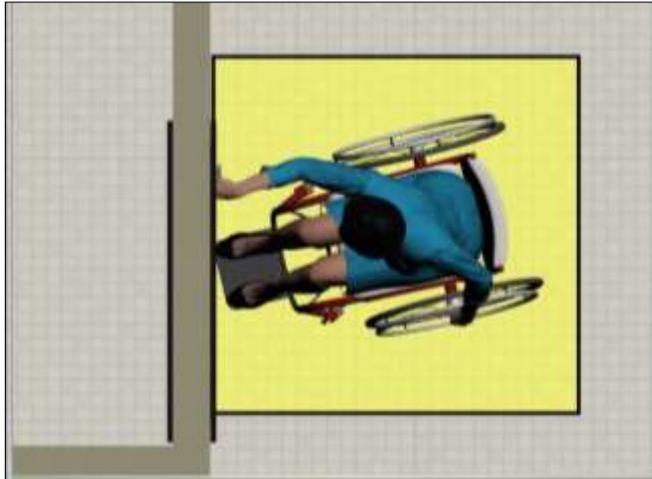
Components of accessible toilet rooms



Urinal  
(if more than one provided)

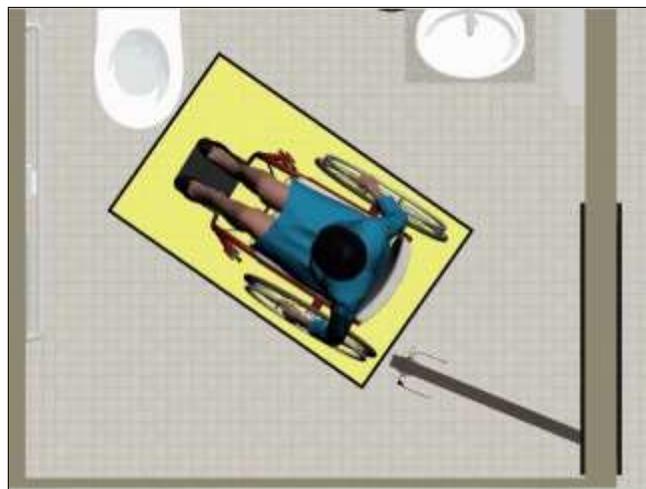
# Toilet Rooms

## Door maneuvering clearance (exterior)



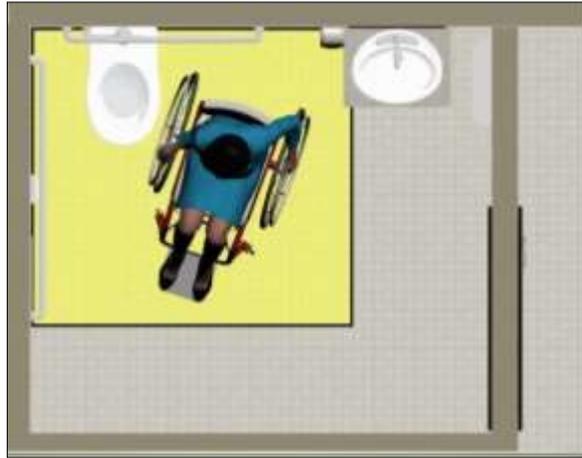
# Toilet Rooms

## Wheelchair space beyond door swing



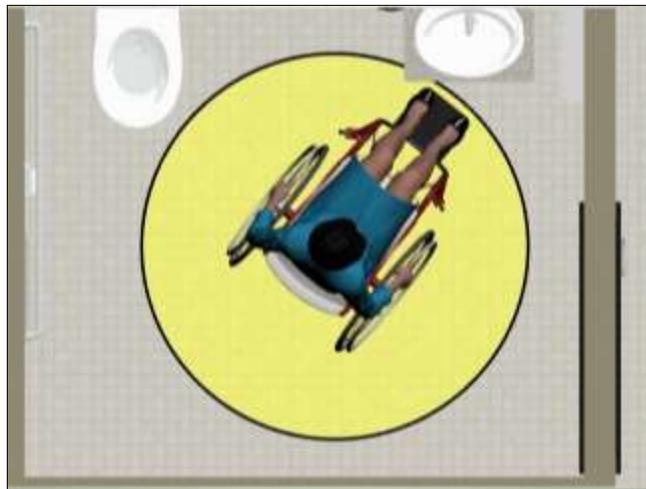
# Toilet Rooms

Clear floor space at toilet for approach & transfer



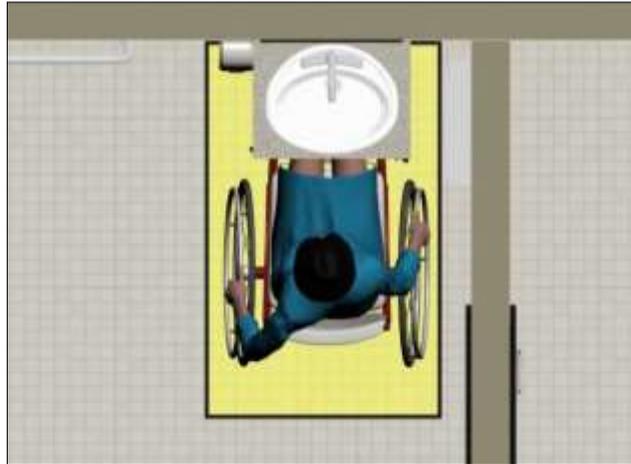
# Toilet Rooms

Turning space (circular or T-shaped)



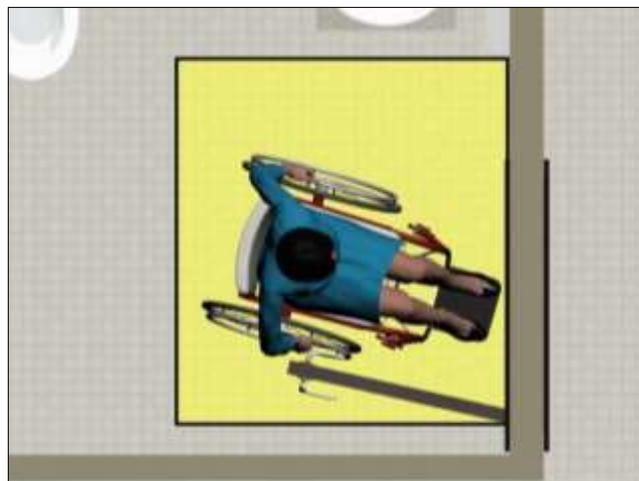
# Toilet Rooms

Clear floor space at fixtures & elements



# Toilet Rooms

Interior door maneuvering clearance



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

## Toilet Rooms

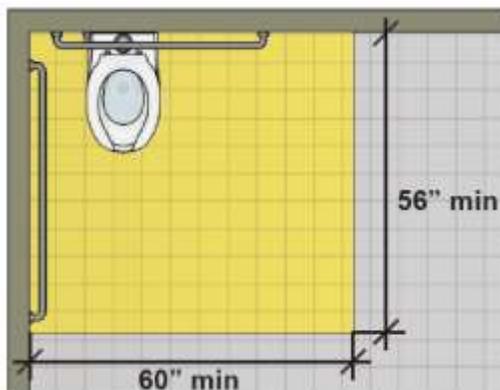
**Size of toilet rooms determined by:**

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

**Overall room dimensions not specified**

# Toilet Room

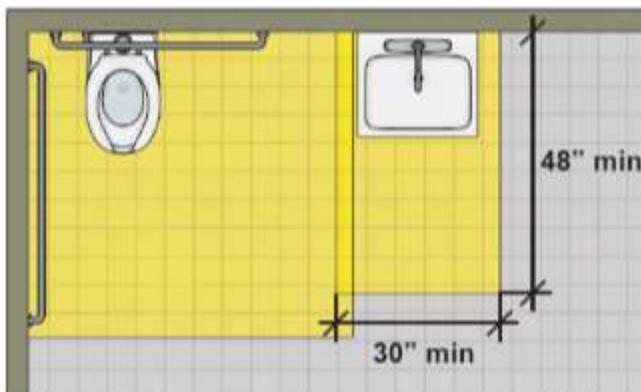
## Water Closet Clearance



15

# Toilet Room

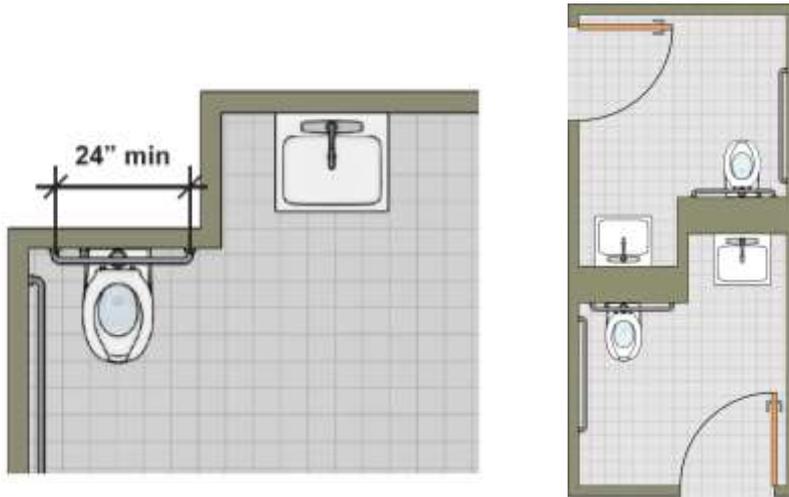
**Lavatory cannot overlap toilet clearance  
(except in dwelling units)**



16

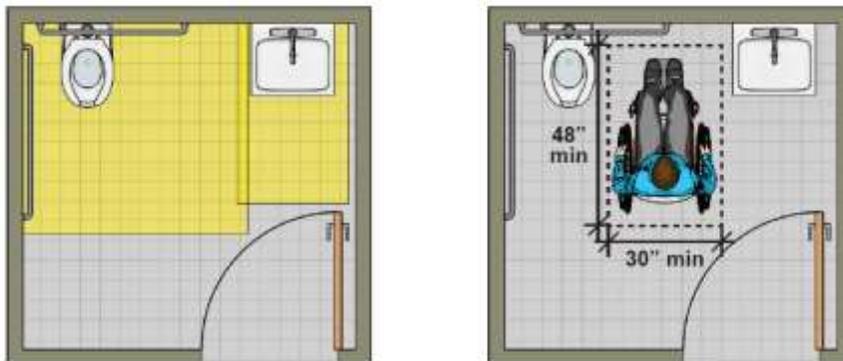
# Toilet Room

Recessed Lavatory (shorter rear grab bar allowed)



# Toilet Room

Doors (single user toilet room)



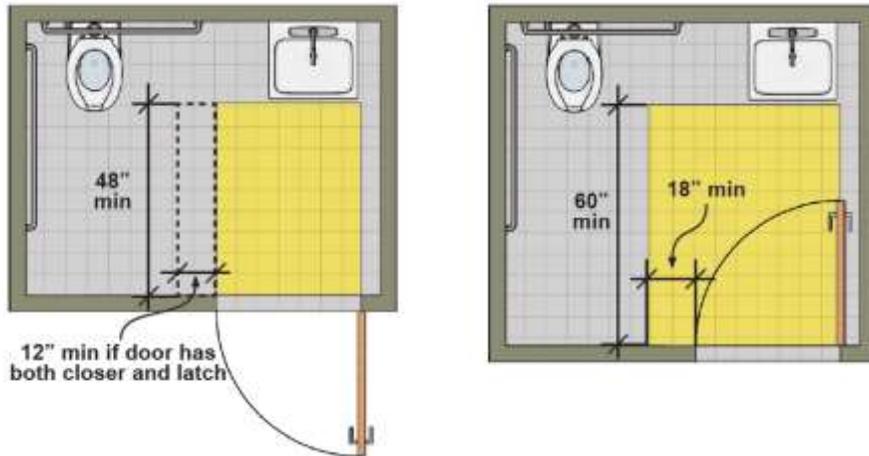
Keep swing outside fixture clearances or ...

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

18

# Toilet Room

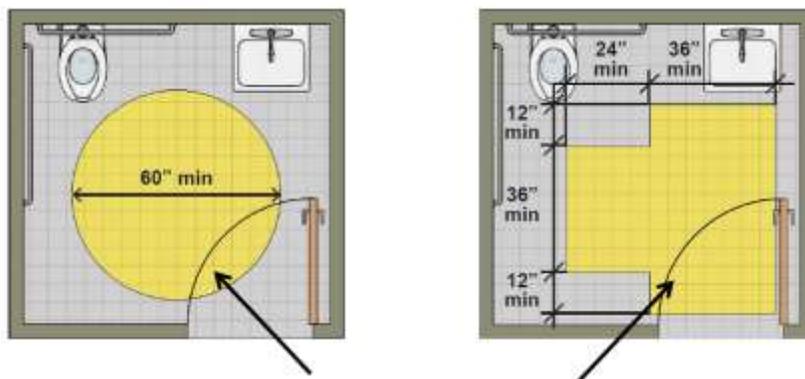
## Door maneuvering clearance (interior)



19

# Toilet Room

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

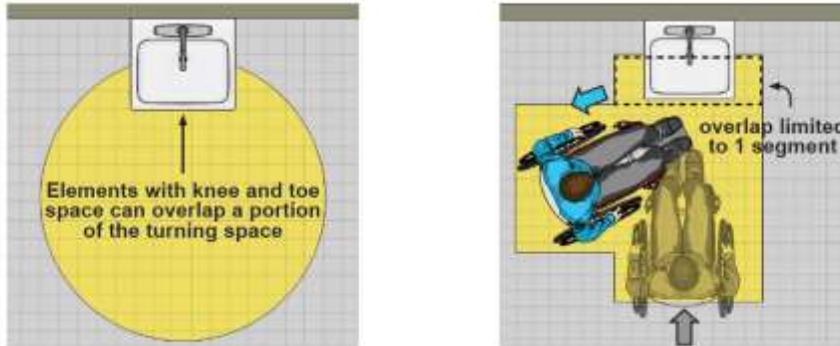


Door can always swing into turning space

20

# Toilet Room

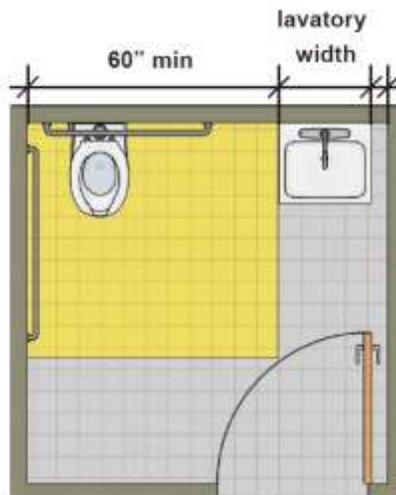
## Permitted overlap of turning space



21

# Toilet Room

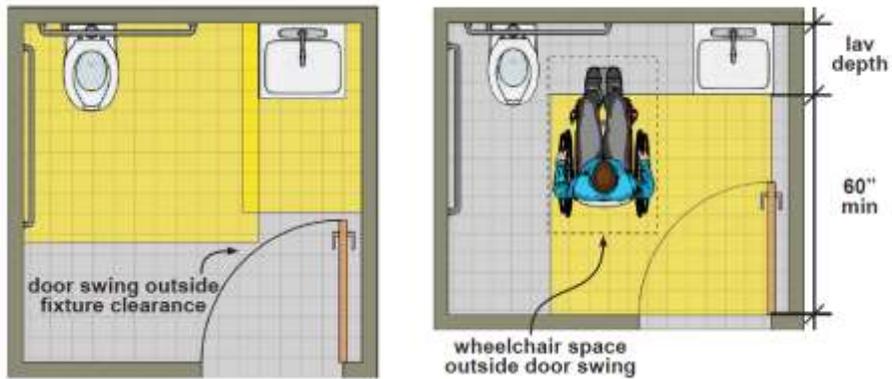
## Approximate Dimensions: Width



22

# Toilet Room

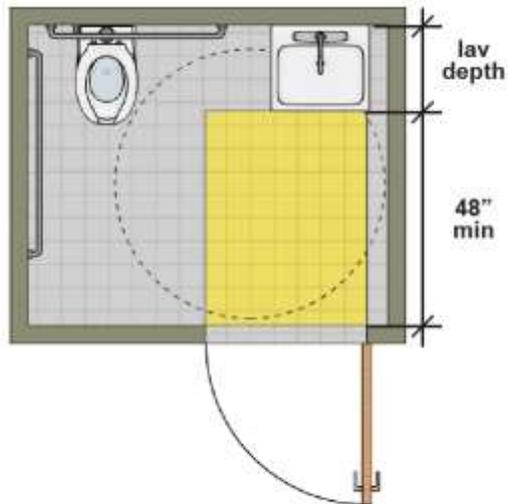
Approximate Dimensions: Depth (in-swinging door)



23

# Toilet Room

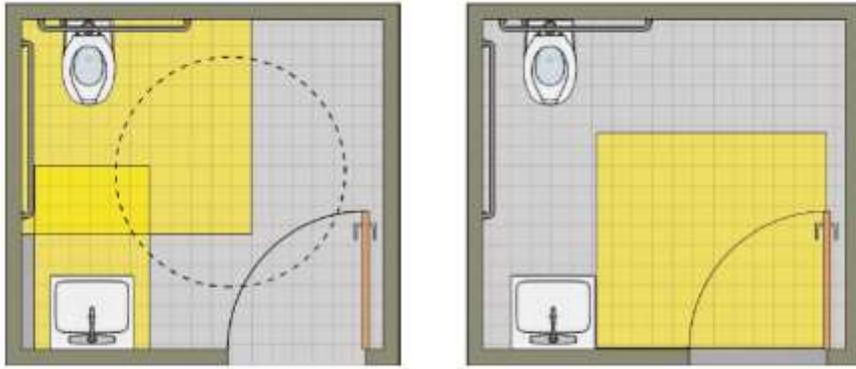
Approximate Dimensions: Depth (out-swinging door)



24

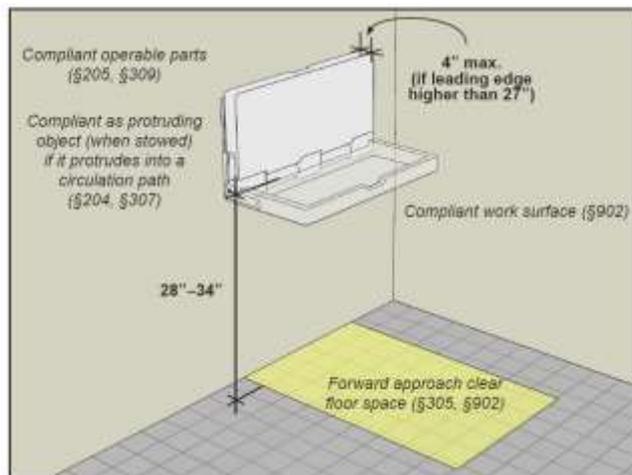
# Toilet Rooms

The requirements apply to all types of layouts



25

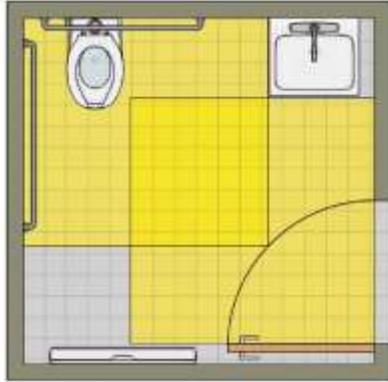
# Baby Changing Tables



Additional fixtures often effect the room size

26

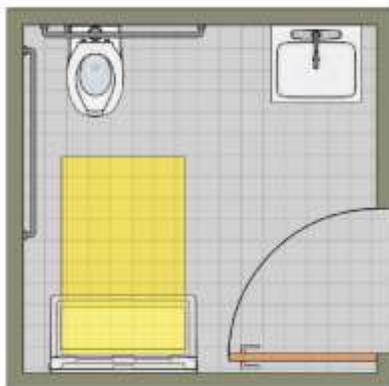
# Baby Changing Tables



**Cannot overlap fixture clearances or door maneuvering clearances when stowed**

27

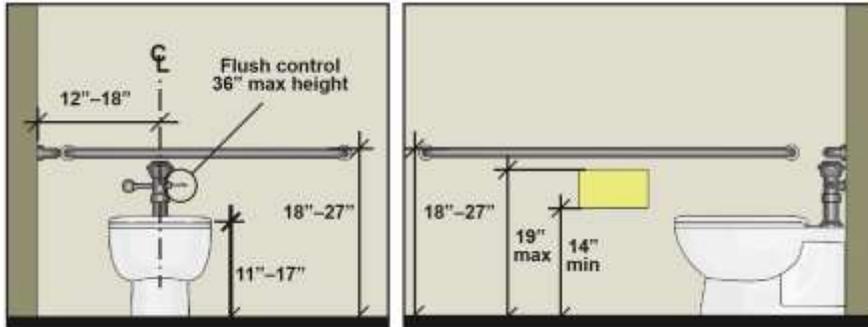
# Baby Changing Tables



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

28

# Children's Toilets

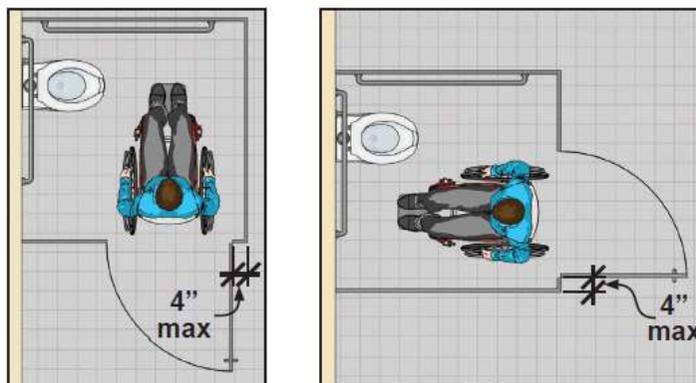


Advisory (Non-Mandatory) Specifications by Age Group			
	3 & 4	5 through 8	9 through 12
Water Closet Centerline	12"	12" – 15"	15" – 18"
Toilet Seat Height	11" – 12"	12" – 15"	15" – 17"
Grab Bar Height	18" – 20"	20" – 25"	25" – 27"
Dispenser Height	14"	14" – 17"	17" – 19"

29

# Toilet Compartments

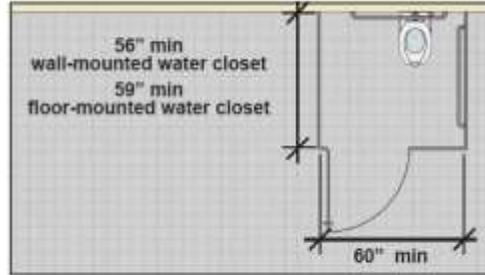
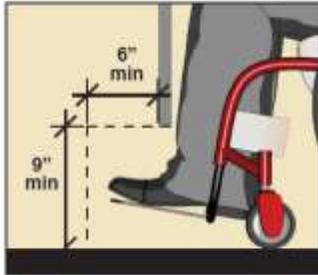
Door in corner opposite water closet to provide space to enter



30

# Toilet Compartments

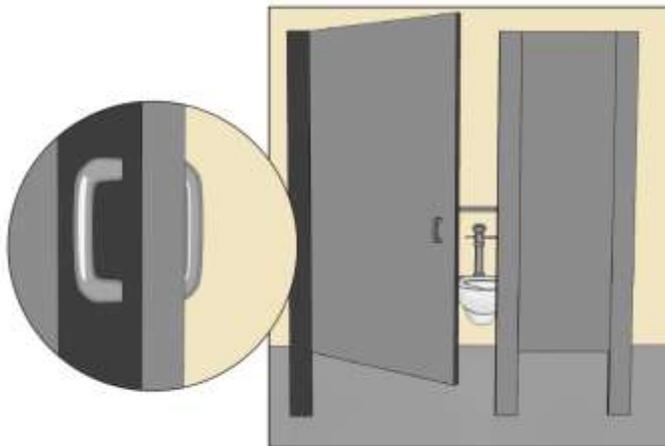
**Minimum size and toe clearance (required below front and a side partition)**



31

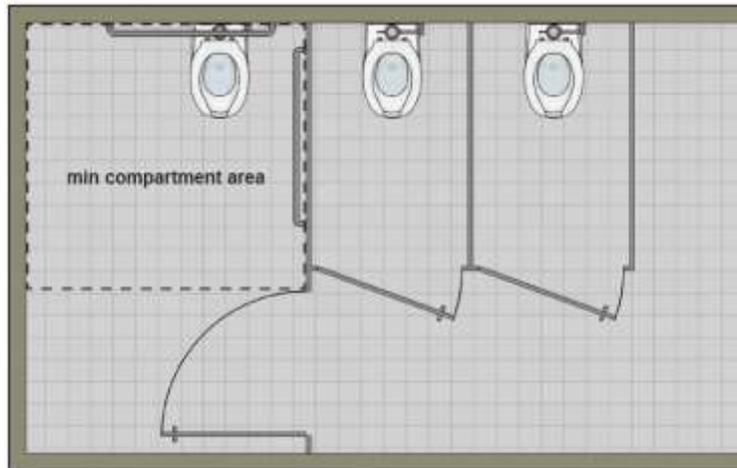
# Toilet Compartments

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



32

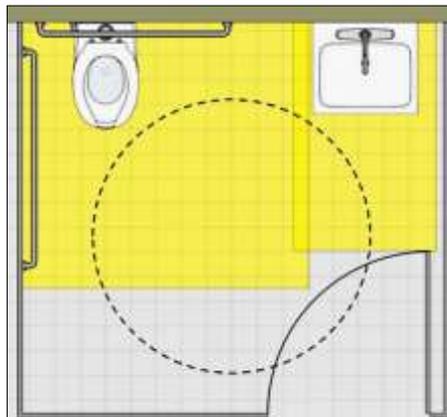
## Toilet Compartment: End of Row



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

## Toilet Compartments

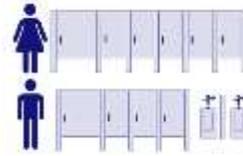
Stalls with more than 1 plumbing fixture treated as toilet  
room (2<sup>nd</sup> complaint lavatory required outside stall)



34

# Ambulatory Stall

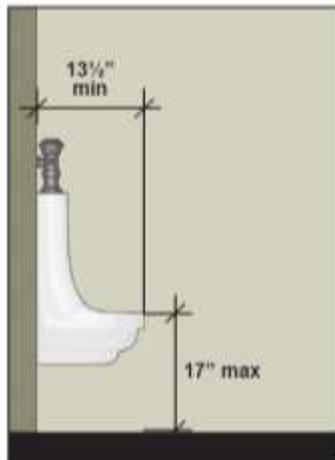
Where 6 or more stalls (or water closets & urinals) provided



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

# Urinals

Wall Hung

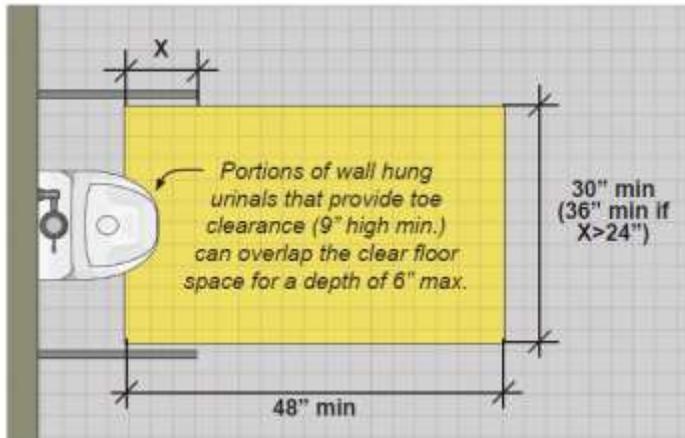


Stall Type



36

# Urinals



37

# Lavatories & Sinks

# Sinks (§212.3)

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

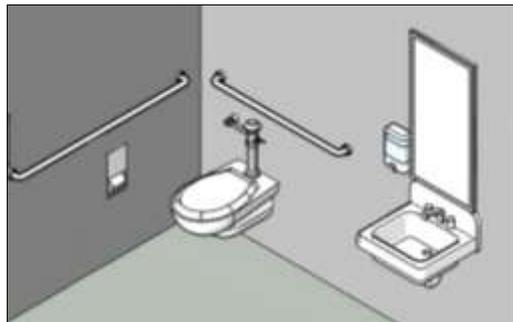
- Classrooms
- Laboratories (*used for instruction*)
- Break rooms

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

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

# Lavatories (§213.3.4)

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



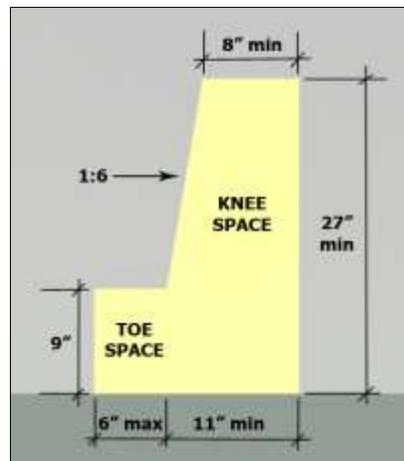
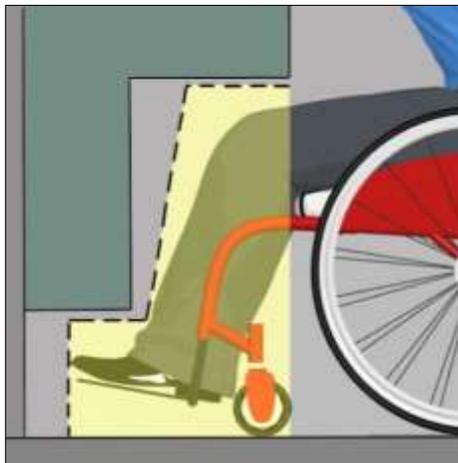
# Lavatories and Sinks (§606)

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

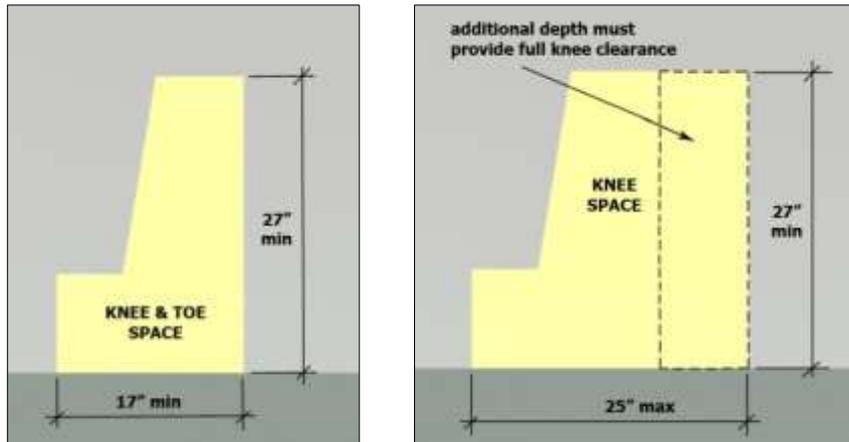
## Lavatories and Sinks

Knee & toe space at lavatories

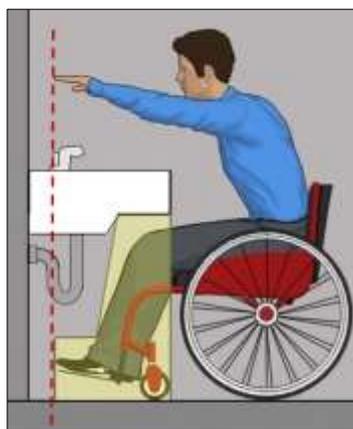


# Lavatories and Sinks

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



# Lavatories and Sinks



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

# Bathing Facilities

## Bathing Facilities (§213)

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



46

# 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

# Bathing Facilities (§603)



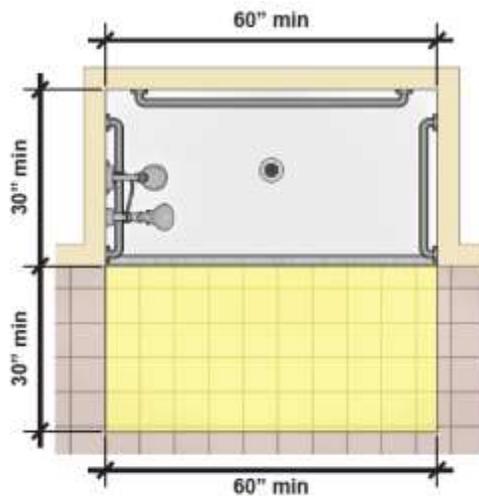
# Roll-in Shower



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

## Roll-in Shower (no seat)

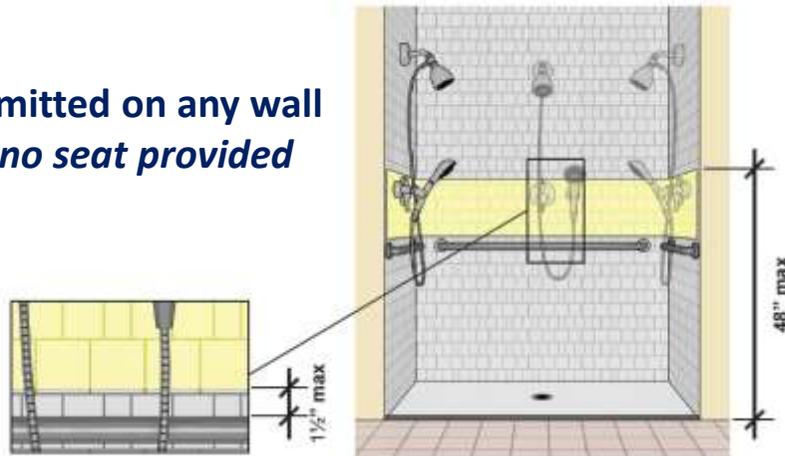
### Size and Clearance



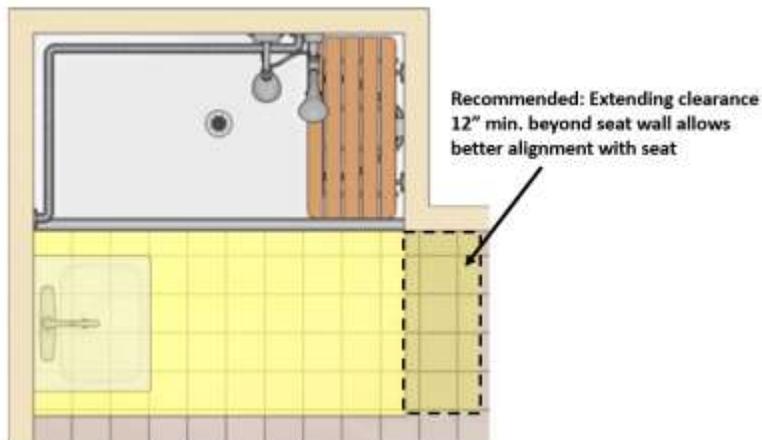
# Roll-in Shower (no seat)

## Shower Spray Unit and Controls

permitted on any wall  
*if no seat provided*

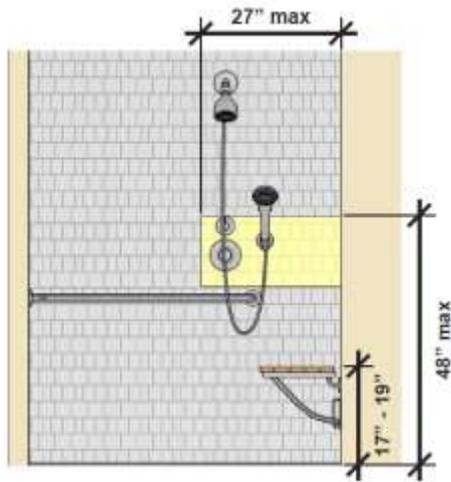


# Roll-in Shower (with seat)



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

# Roll-in Shower (with seat)



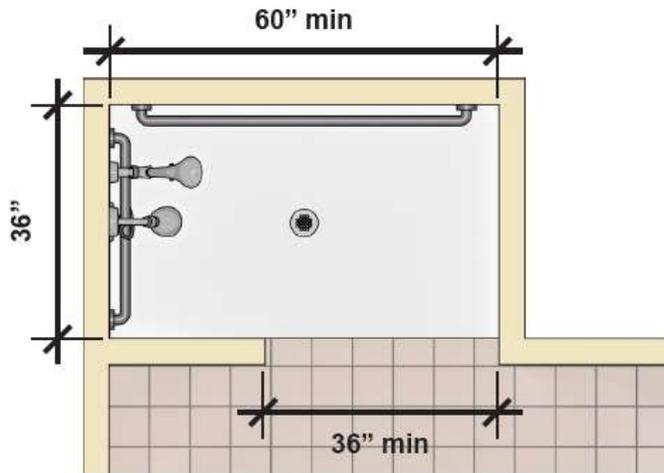
**Shower spray unit & controls required on back wall within reach from seat; grab bars cannot overlap seat**

# Alternate Roll-in Shower



# Alternate Roll-in Shower (no seat)

## Dimensions

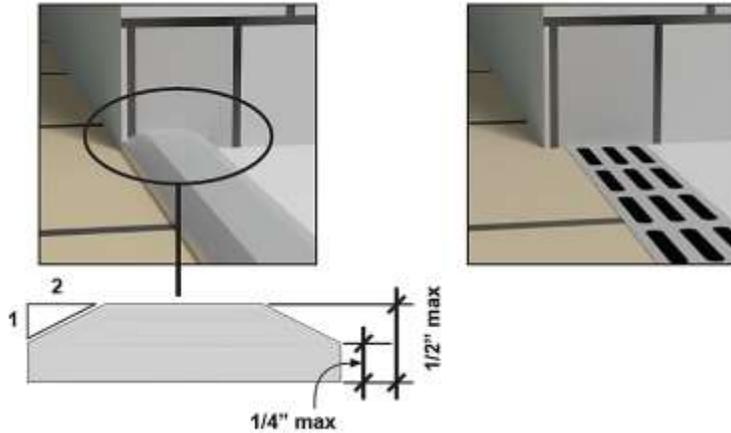


# Alternate Roll-in Shower (with seat)

Seat must be folding and attached to front wall



## Thresholds (roll-in showers)



**Beveled curb ½" max. permitted - Consider trench drains and other alternatives to curbs for better access**

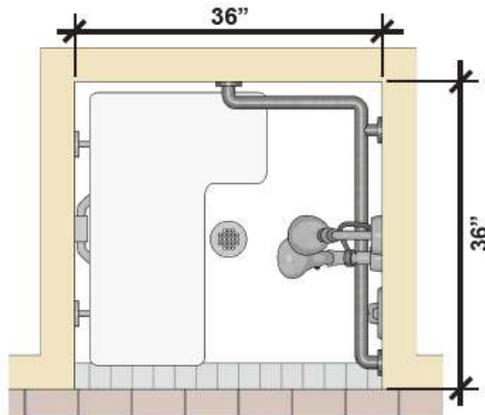
## Transfer Shower



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

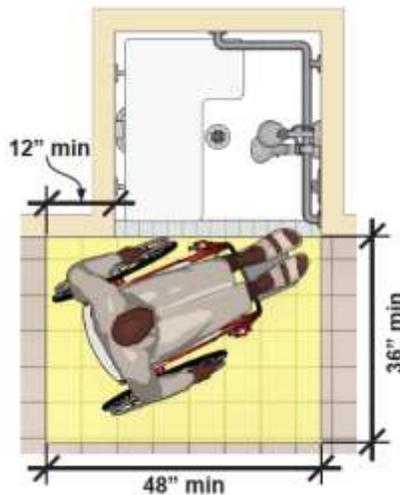
# Transfer Shower

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



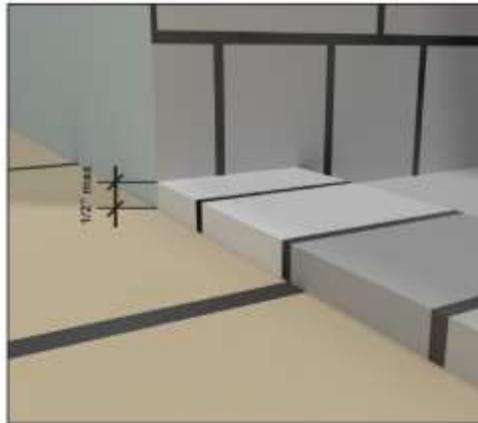
# Transfer Shower

Required clearance positioned for alignment with seat



# Transfer Shower

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



# Shower Spray Units

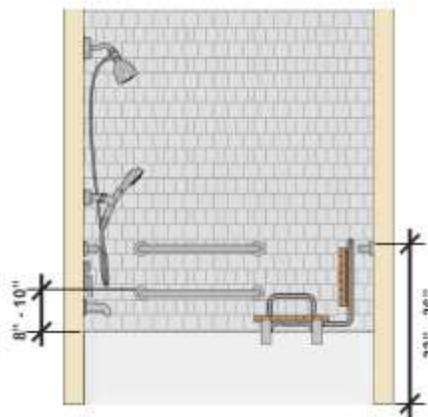
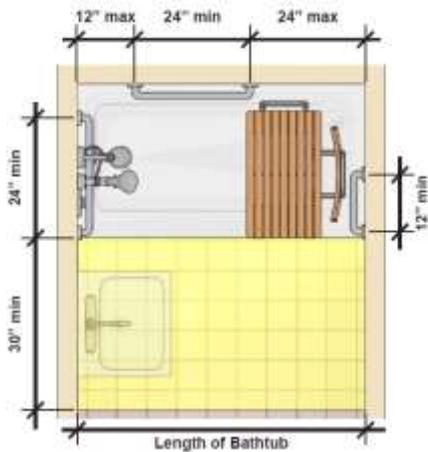
- Usable as hand-held & in fixed position
- On/off control
- Non-positive shut-off
- Hose 59" min. long



# Bathtubs (Removable Seat)



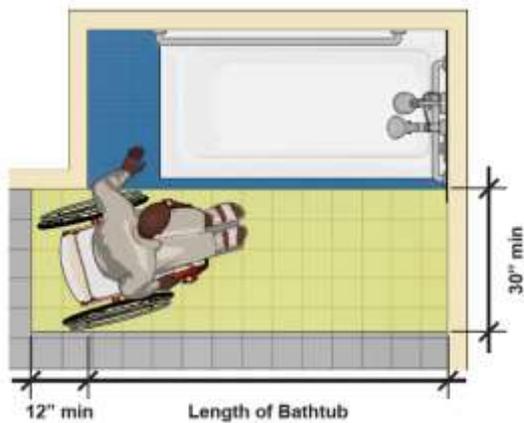
## Bathtubs Clearance and Grab Bars



## Bathtubs (Permanent Seat)



## Bathtubs (Permanent Seat)

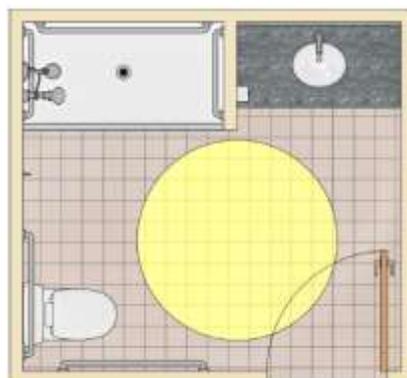
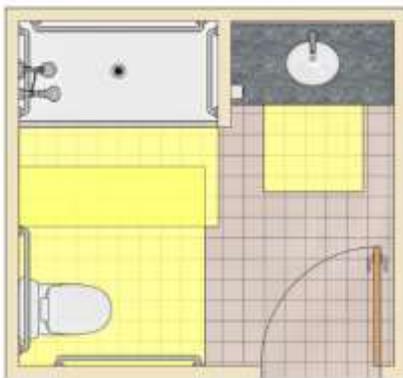


# Bathroom: Roll-In Shower



# Bathroom: Roll-In Shower

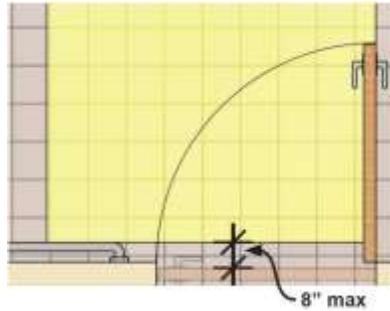
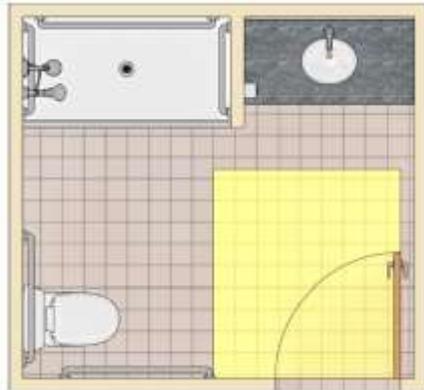
## Fixture Clearances and Turning Space



Door can swing into turning space

# Bathroom: Roll-In Shower

No elements can overlap the door maneuvering clearance



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

## Communication Elements

# Communication Elements

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



## 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

# 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



# 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



# 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”

# Signs

## International Symbol of Accessibility

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



Not required where *all* are accessible

# Special Rooms, Spaces, and Elements

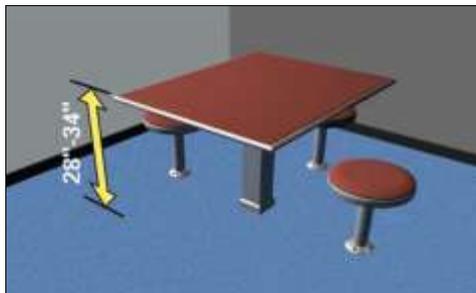
## Special Rooms & Spaces

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

# Built-In Elements

## 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



# Sales & Service Counters (§227)

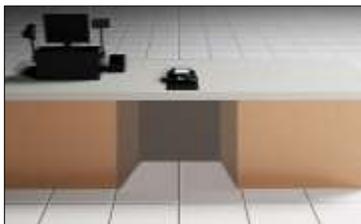
At least one of each type of sales and service counter must comply



Queues/ waiting lines and food service lines also addressed

# 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



# 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)



## Technical Guides on the Standards

Available on the Board's website



# Questions?



## U.S. Access Board

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

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

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