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?

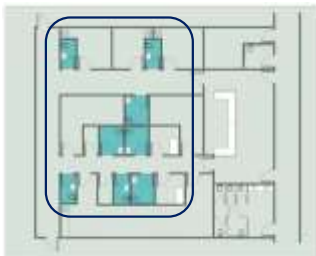
Toilet & Bathing Facilities (§213)

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

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

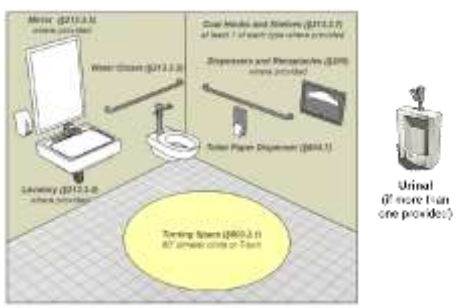
Clustered Toilet Rooms

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



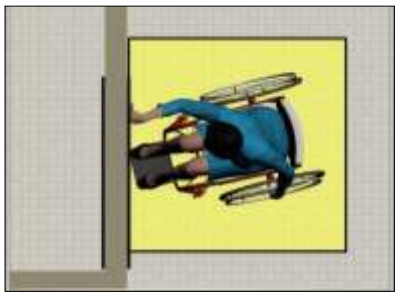
Toilet Rooms (§603)

Components of accessible toilet rooms



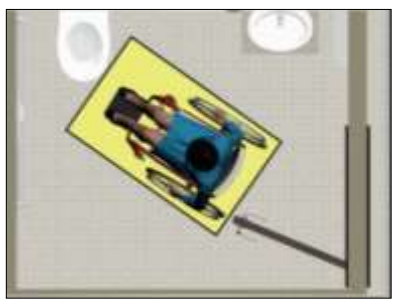
Toilet Rooms

Door maneuvering clearance (exterior)



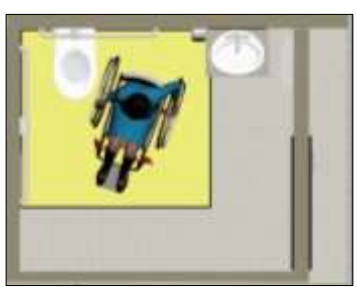
Toilet Rooms

Wheelchair space beyond door swing



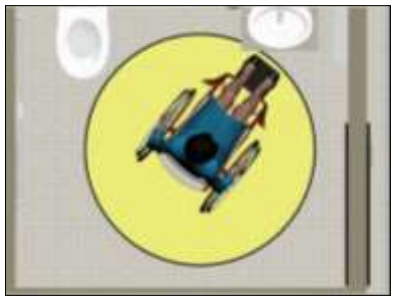
Toilet Rooms

Clear floor space at toilet for approach & transfer



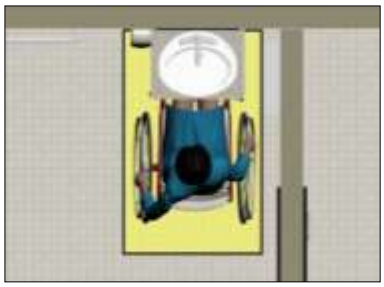
Toilet Rooms

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

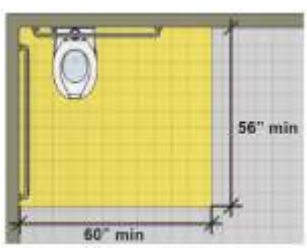
Size of toilet rooms determined by:

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

Overall room dimensions not specified

Toilet Room

Water Closet Clearance



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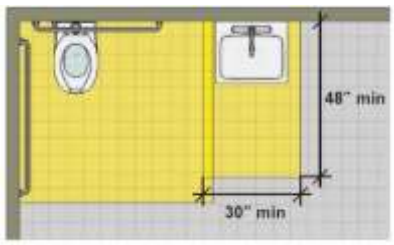
Toilet Room

Lavatory cannot overlap toilet clearance (except in dwelling units)



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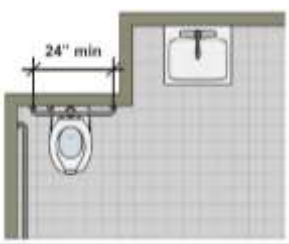
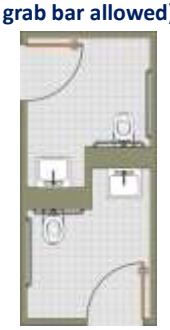
Toilet Room

Recessed Lavatory (shorter rear grab bar allowed)





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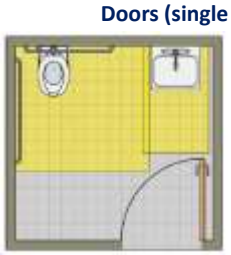
Toilet Room

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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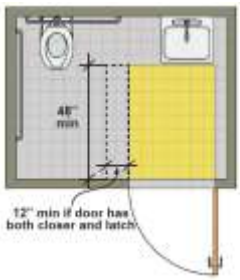
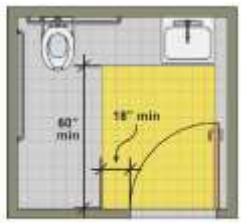
Toilet Room

Door maneuvering clearance (interior)





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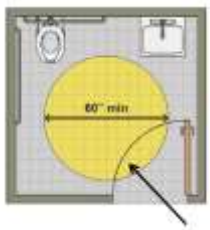
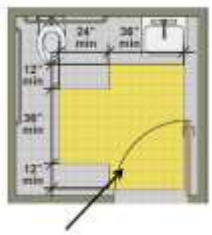
Toilet Room

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





Door can always swing into turning space

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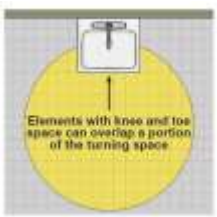
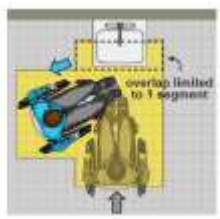
Toilet Room

Permitted overlap of turning space





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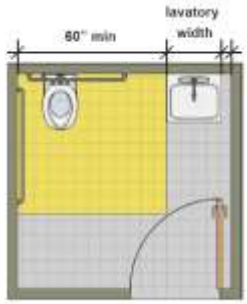
Toilet Room

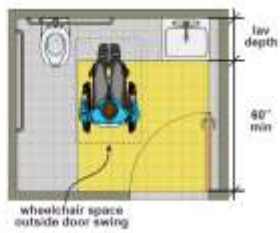
Approximate Dimensions: Width



22

Toilet Room

Approximate Dimensions: Depth (in-swinging door)



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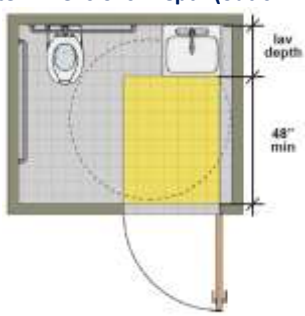
Toilet Room

Approximate Dimensions: Depth (out-swinging door)



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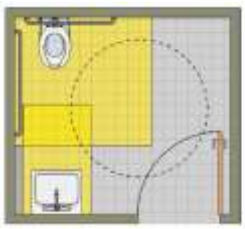
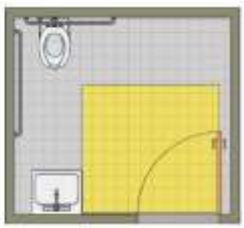
Toilet Rooms

The requirements apply to all types of layouts





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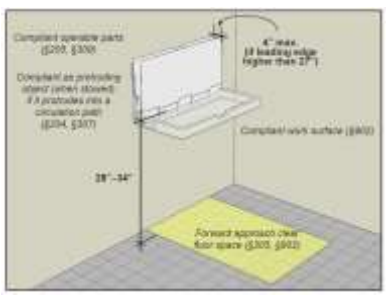
Baby Changing Tables



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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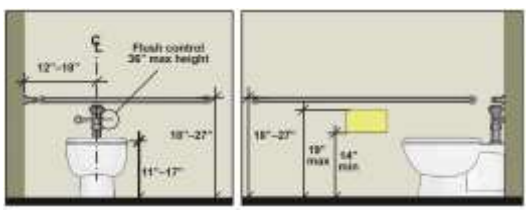
Children's Toilets



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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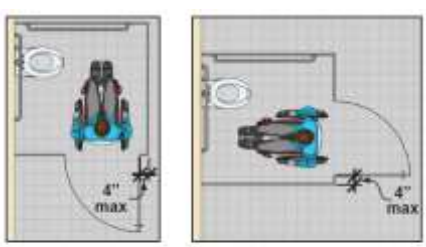
Toilet Compartments

Door in corner opposite water closet to provide space to enter



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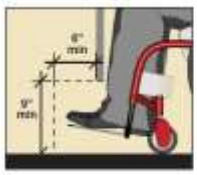
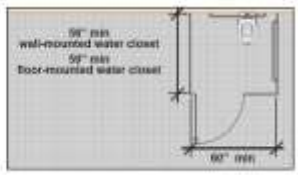
Toilet Compartments

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





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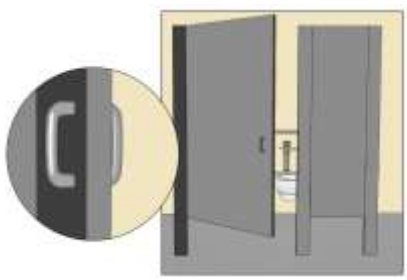
Toilet Compartments

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



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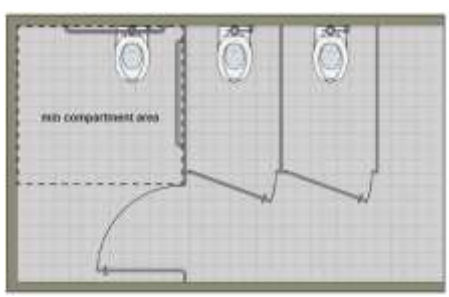
Toilet Compartment: End of Row



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

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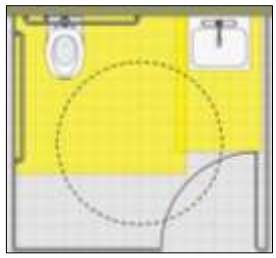
Toilet Compartments

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



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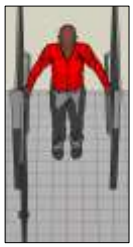
Ambulatory Stall

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



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

Urinals

Wall Hung

Stall Type

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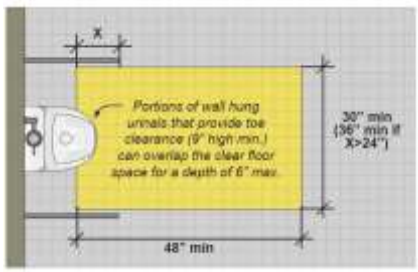
Urinals



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Lavatories & Sinks

Sinks (§212.3)

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

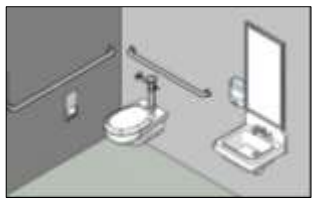
- **Classrooms**
- **Laboratories *(used for instruction)***
- **Break rooms**

Work Areas: access not <u>required (recommended)</u>

- **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)



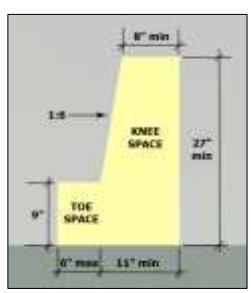
Lavatories and Sinks (§606)

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**

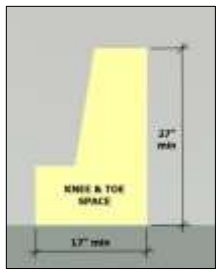
Lavatories and Sinks

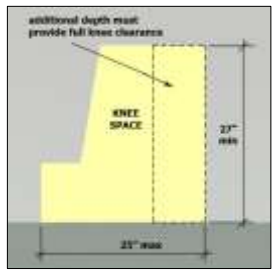
Knee & toe space at lavatories



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)

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Bathing Facilities (§603)

At least one shower <u>or</u> tub required

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

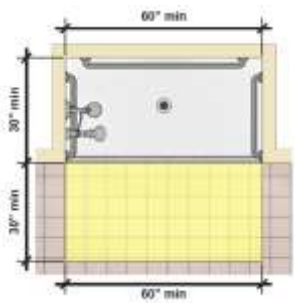
Bathing Facilities (§603)

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)

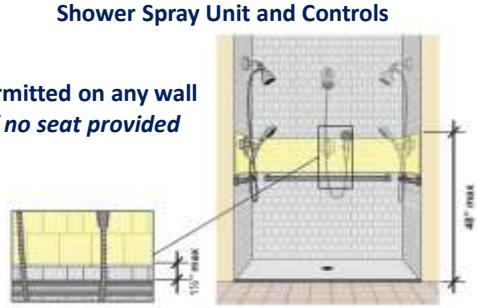
Size and Clearance



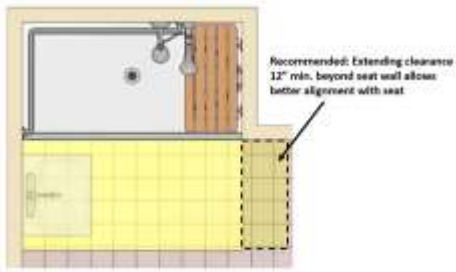
Roll-in Shower (no seat)

Shower Spray Unit and Controls

permitted on any wall
if no seat provided

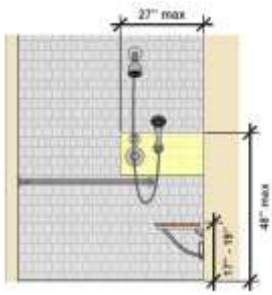


Roll-in Shower (with seat)



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

Roll-in Shower (with seat)

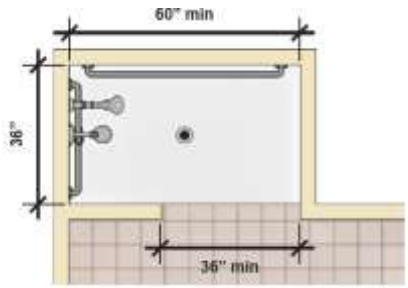


Shower spray unit & controls required on back wall within reach from seat; grab bars cannot overlap seat

Alternate Roll-in Shower

Alternate Roll-in Shower (no seat)

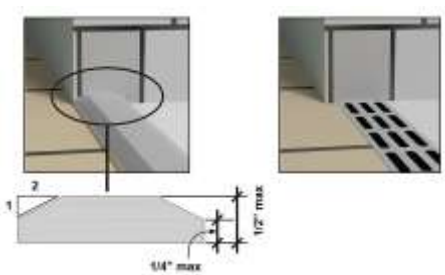
Dimensions



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

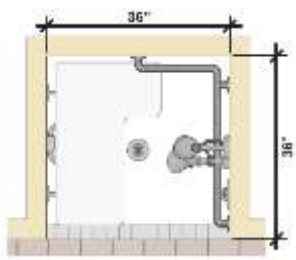
Transfer Shower

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

Transfer Shower

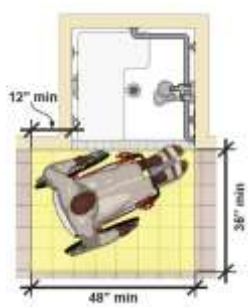
Stall dimensions: <u>absolute</u>, not minimum

36” measured at center point of wall



Transfer Shower

Required clearance positioned for alignment with seat



Transfer Shower

Vertical threshold ½" max. allowed

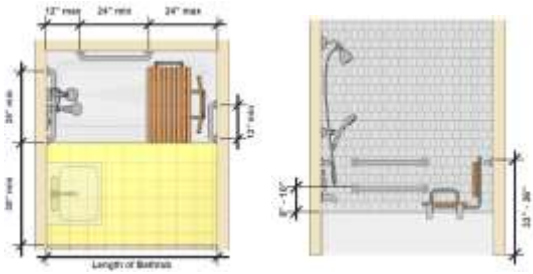
Shower Spray Units

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

Bathtubs (Removable Seat)

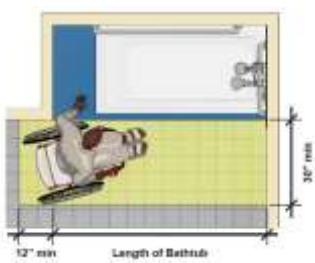
Bathtubs

Clearance and Grab Bars



Bathtubs (Permanent Seat)

Bathtubs (Permanent Seat)



Bathroom: Roll-In Shower

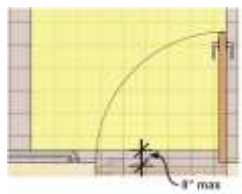
Bathroom: Roll-In Shower

Fixture Clearances and Turing 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 <u>permanent</u> 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	Visual Only
"Room 123"	"Exit →"
"Restroom"	"Employees Only"
"Mechanical Room"	"Visitors must sign in"
"Exit" (at certain doors)	
"Floor B"	**Exempt**
"Ballroom A"	building directory
"C. Smith Room"	"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

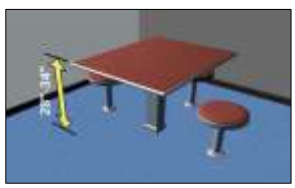
Special Rooms & Spaces

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

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