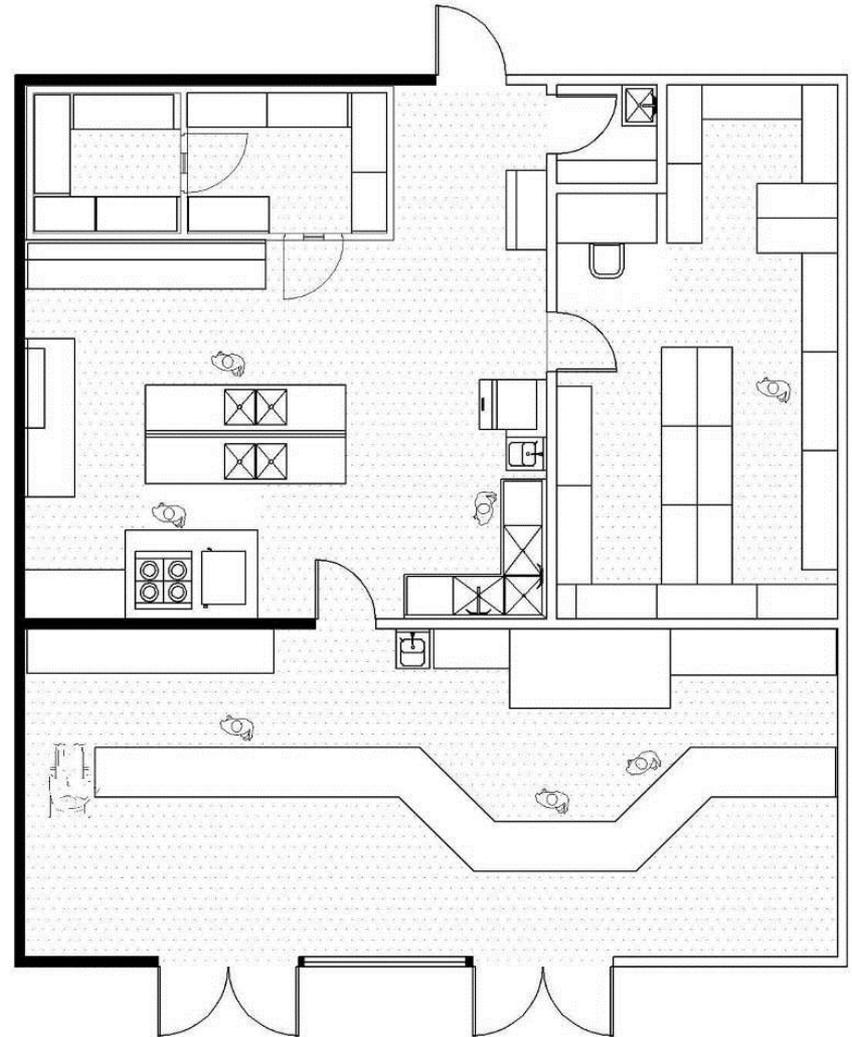


General Exceptions Employee Work Areas

- ADA: Approach, enter, exit, circulate, accessible egress, plus alarm wiring
- ABAAS: Treat as open to the public, but ...



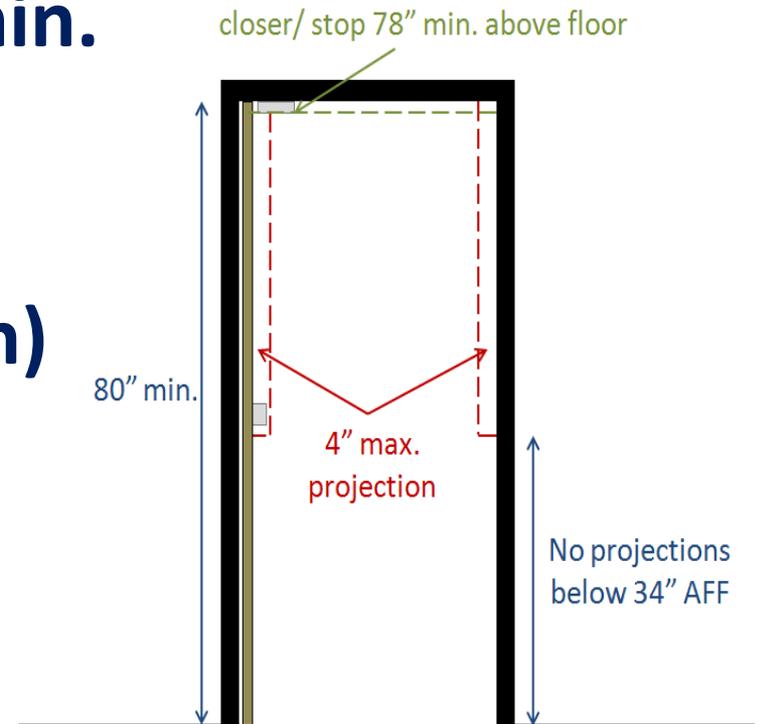
Security Barriers

**Alternative accessible route permitted
at security screen devices if ...**



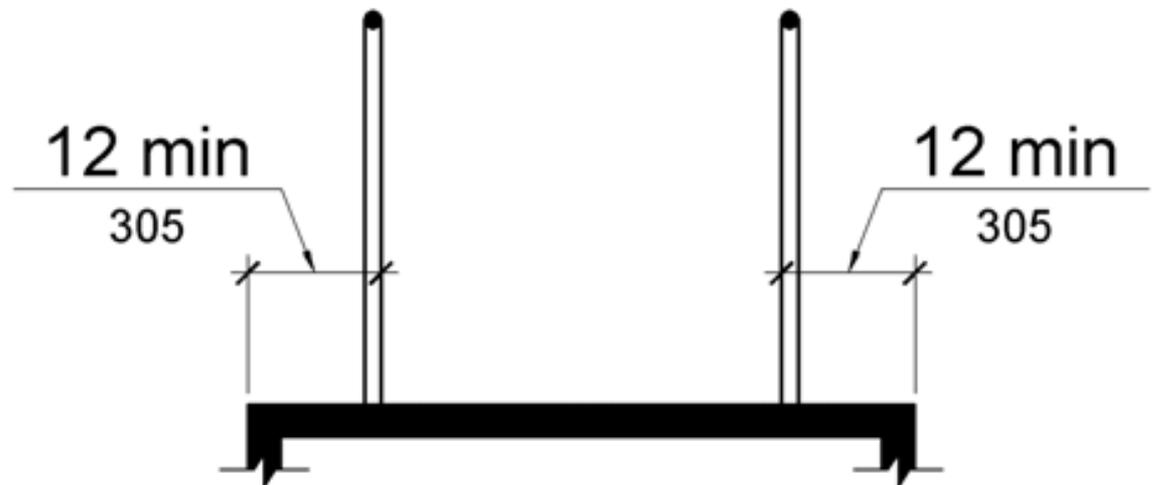
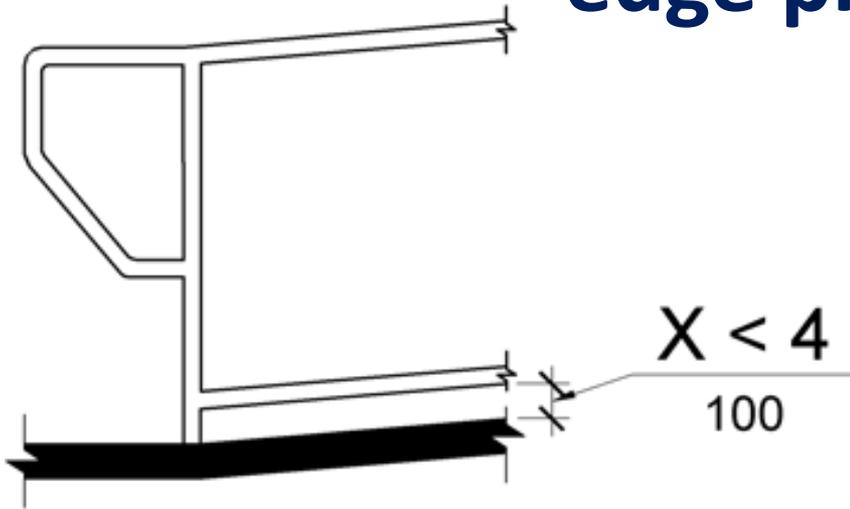
Doors and Gates

- clear width: 32" (815 mm) min.
- limited projects into width
- hardware height:
34"– 48" (865-1220 mm)
- closing speed
- smooth surface (push side)
- vision lights (windows)



Ramps

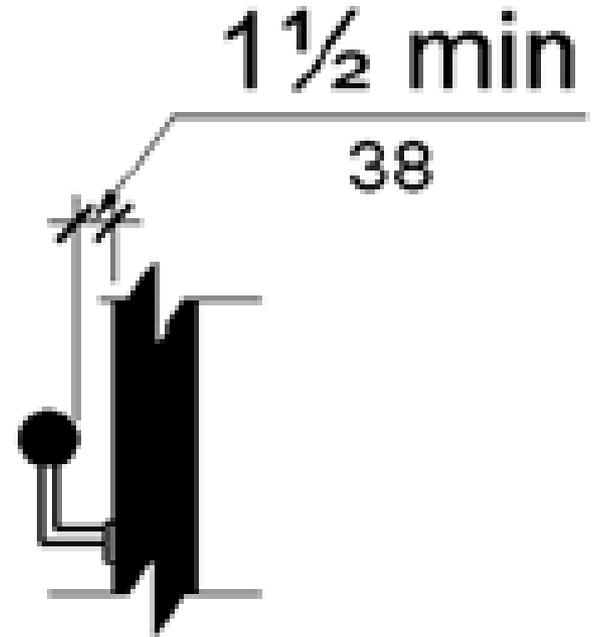
edge protection



Handrails

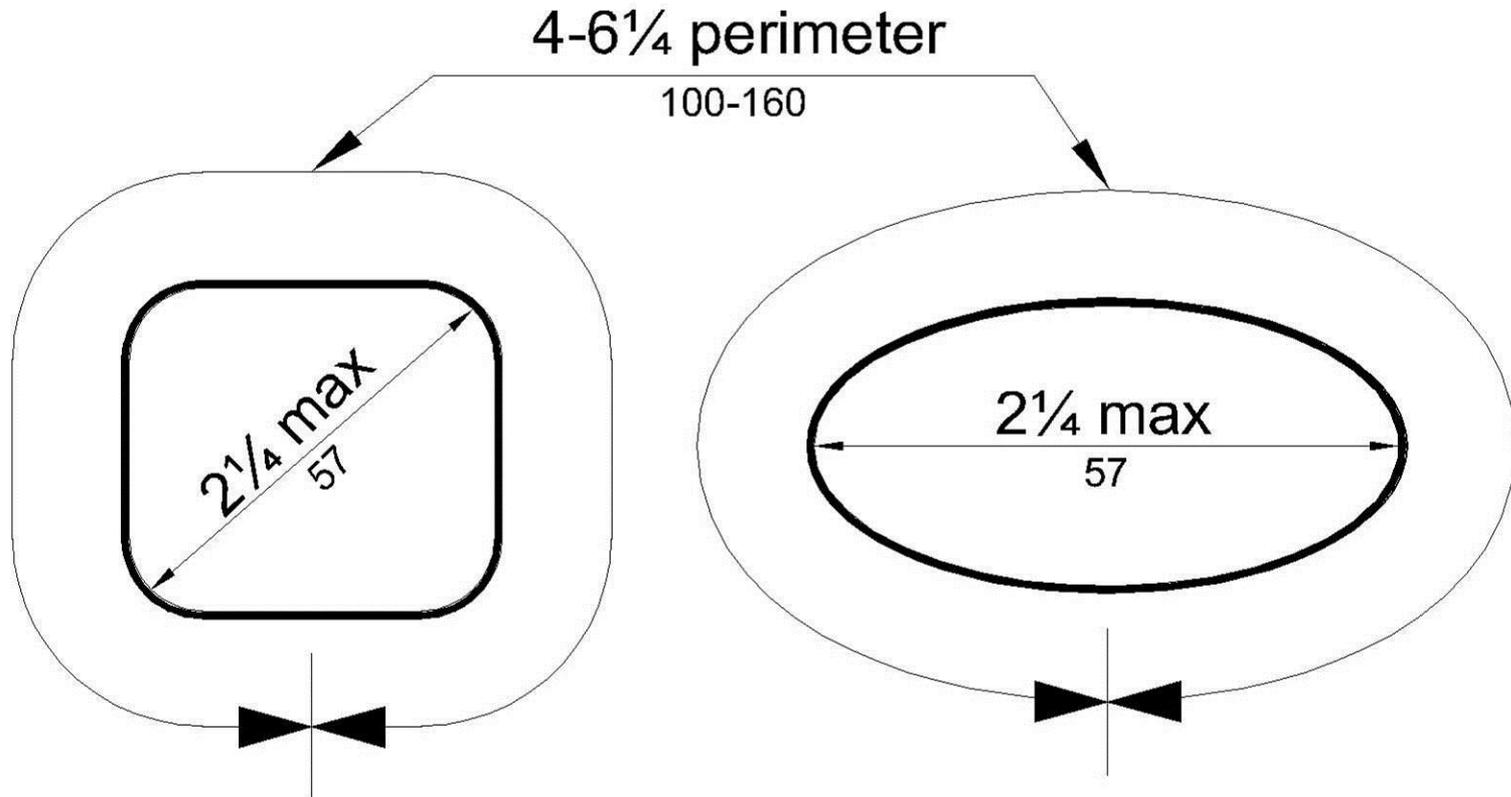
Ramps, stairs, and walkways

- knuckle clearance: $1\frac{1}{2}$ " (38 mm) min., not absolute
- diameter: $1\frac{1}{4}$ " – 2" (32-51 mm), not $1\frac{1}{2}$ " max.
- applies to outer diameter



Handrails

gripping surface – more detail, more options



criteria for circular & non-circular cross sections

Handrails

Handrails must comply where provided along walkways



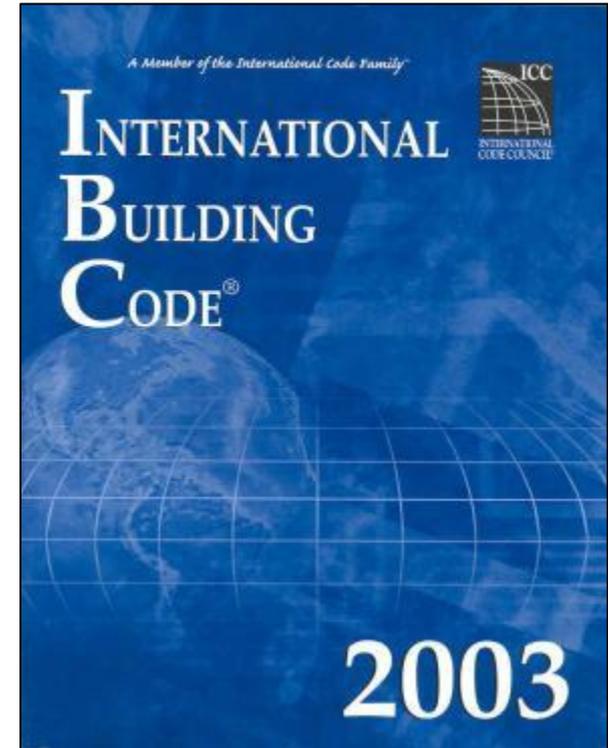
Elevator Alterations

- where one car is altered, all cars programmed to respond to the same hall call must be altered



Accessible Means of Egress

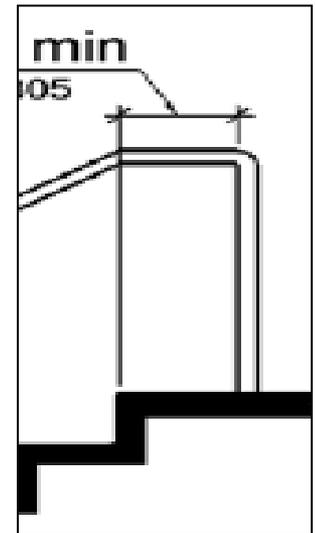
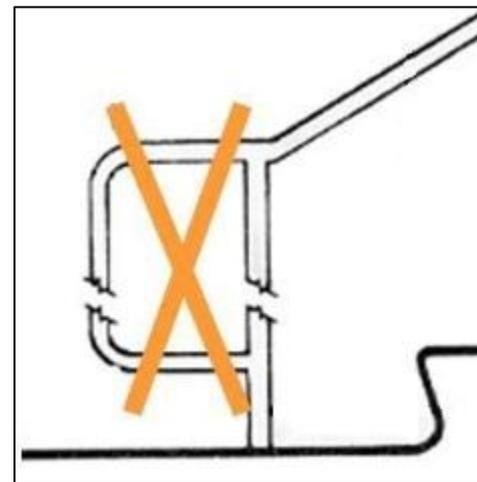
- Uses International Building Code (IBC)
- Number (3 EXs)
- Elevator needed if floor is 4 or more stories from discharge level (2 EXs)
- To a public way



OR: 2000 edition and
2001 supplement

Stairways

**Covered: all stairs that are part of means of egress
(exceptions for altered stairs)**

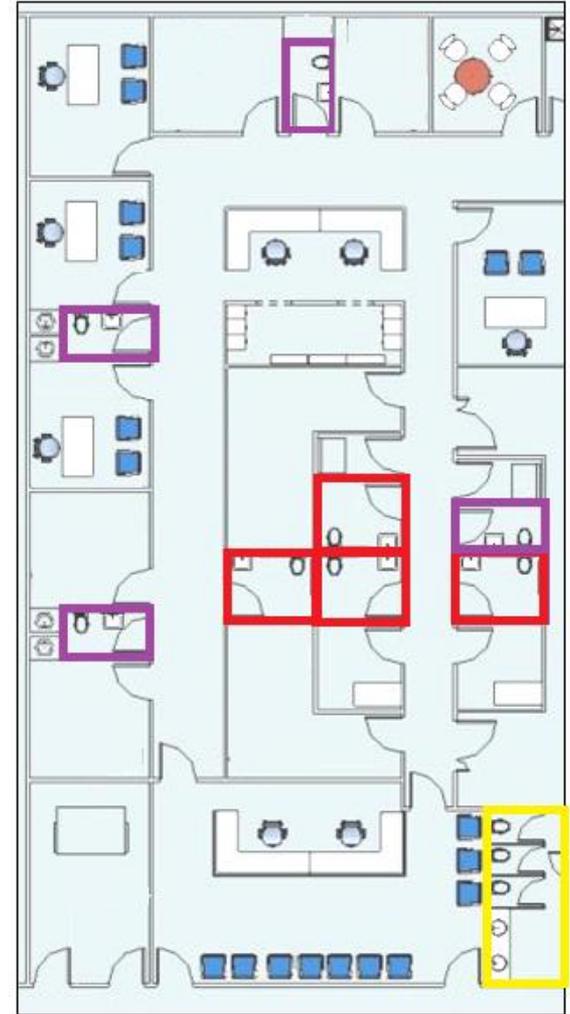


- **Removed: level handrail extension at bottom**
- **Riser height: 4"-7" (100-180)**

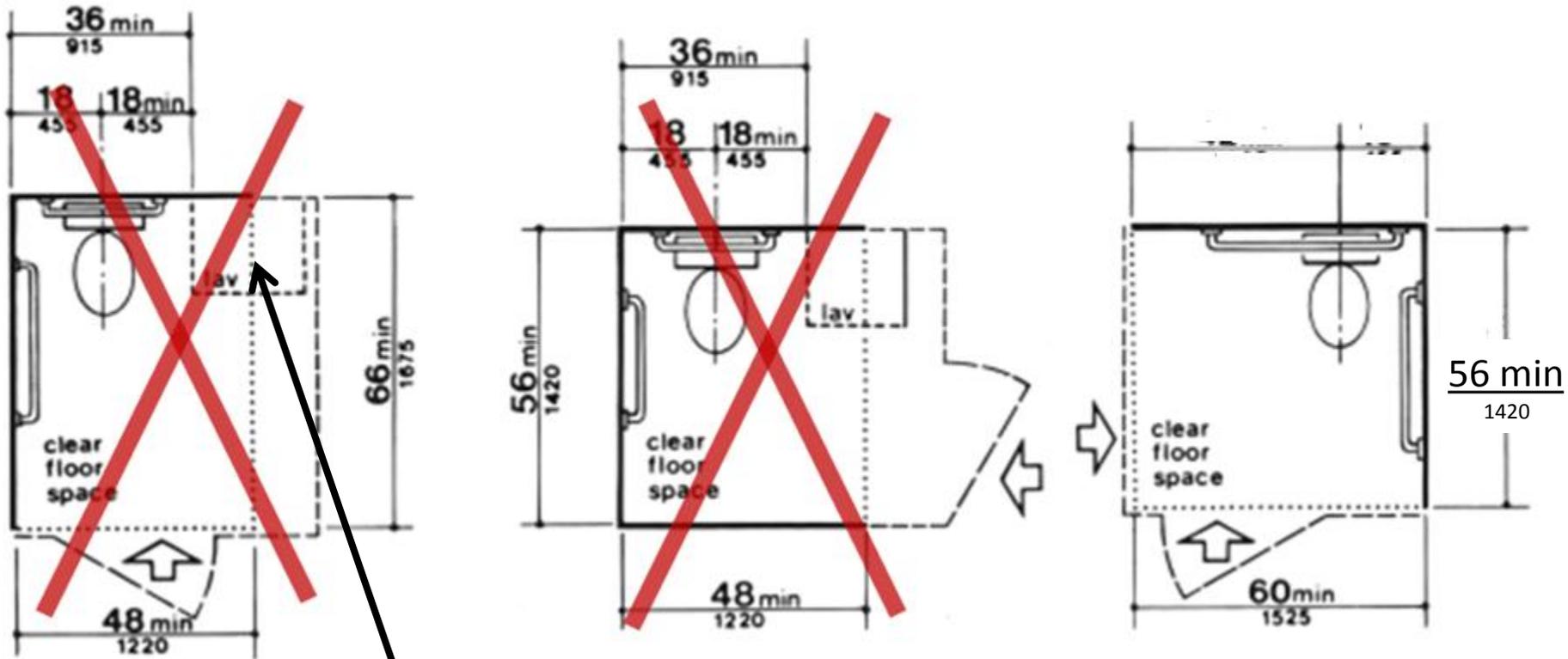
210 & 504

Toilet and Bathing Rooms

- Each must comply
- Exceptions (4)
 - alterations, historic, portable
 - clustered unisex toilet rooms: 50% of each use



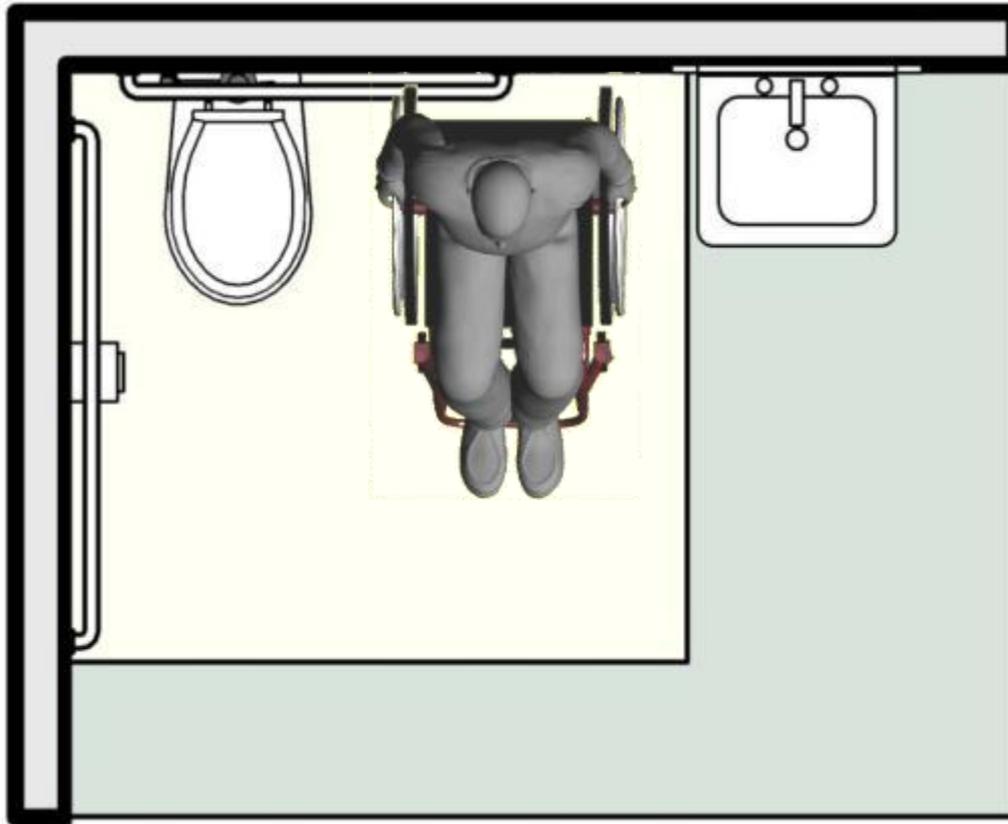
Water Closets



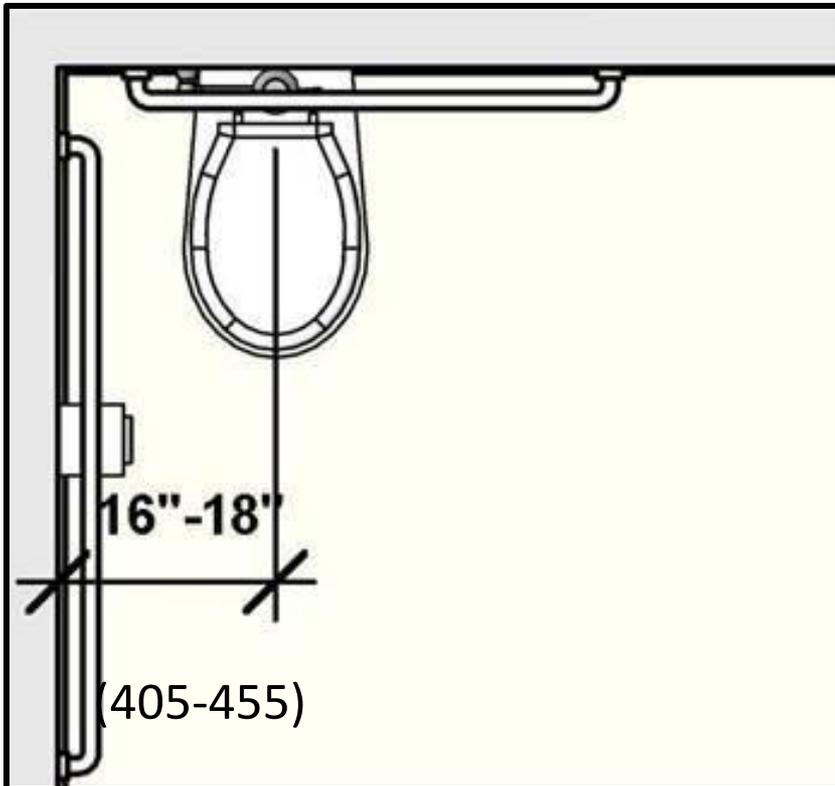
Residential: Yes (604.3.2 EX)

Toilet Rooms

Allows space for side transfers

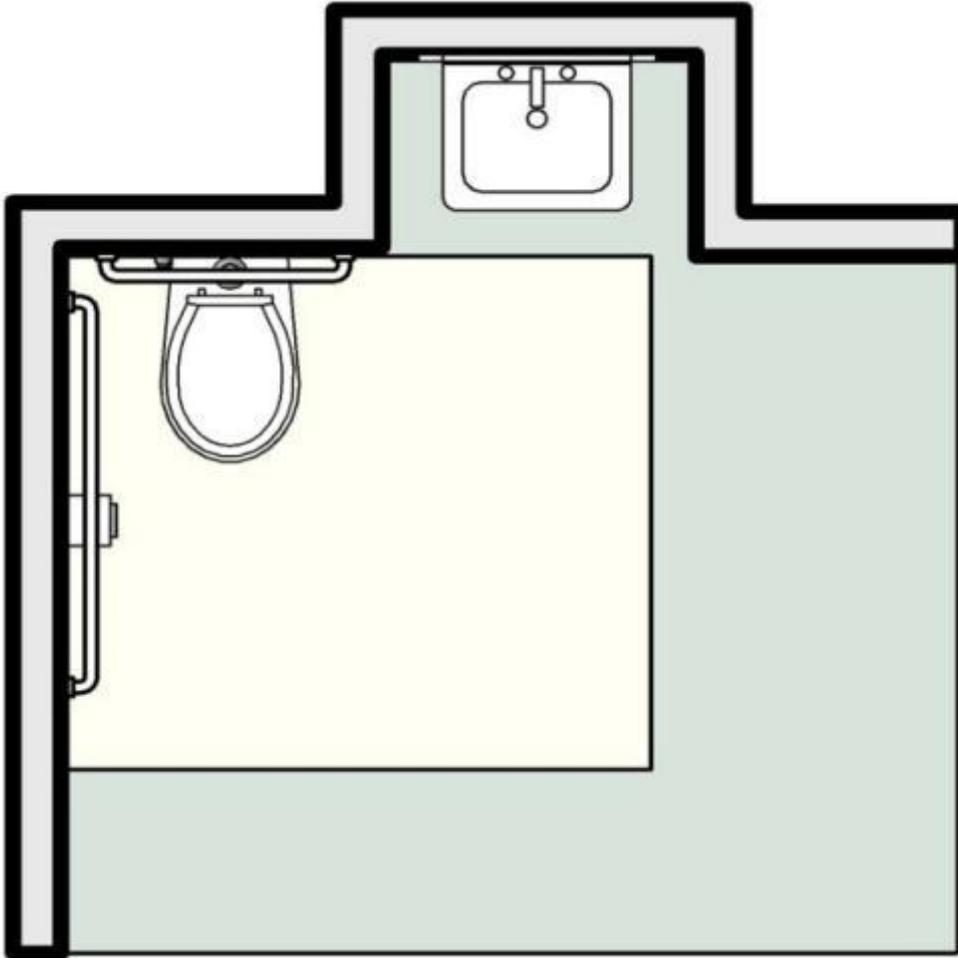


Toilet Rooms



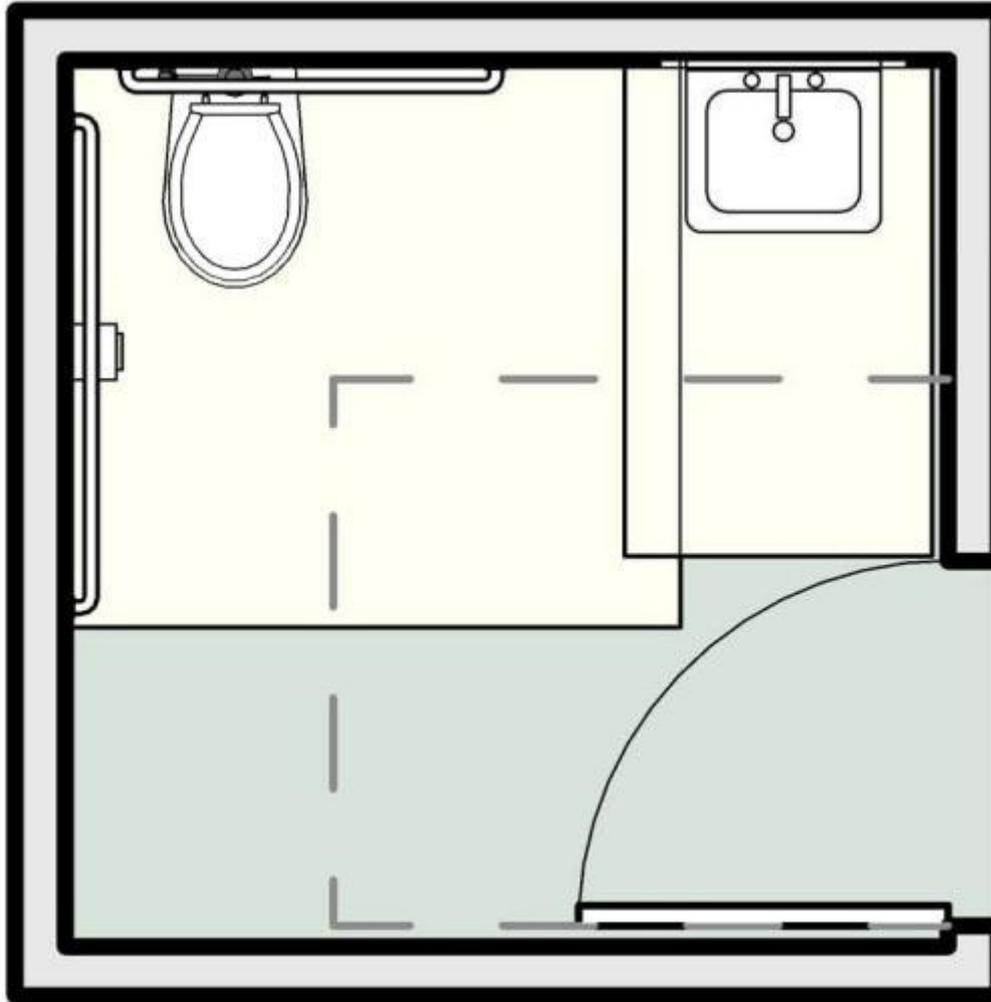
- Range for toilet centerline
- lavatory cannot overlap toilet clearance (except in dwelling units)

Toilet Rooms



- fixtures can be recessed
- shorter 24" (610 mm) min. rear grab bar allowed in this case

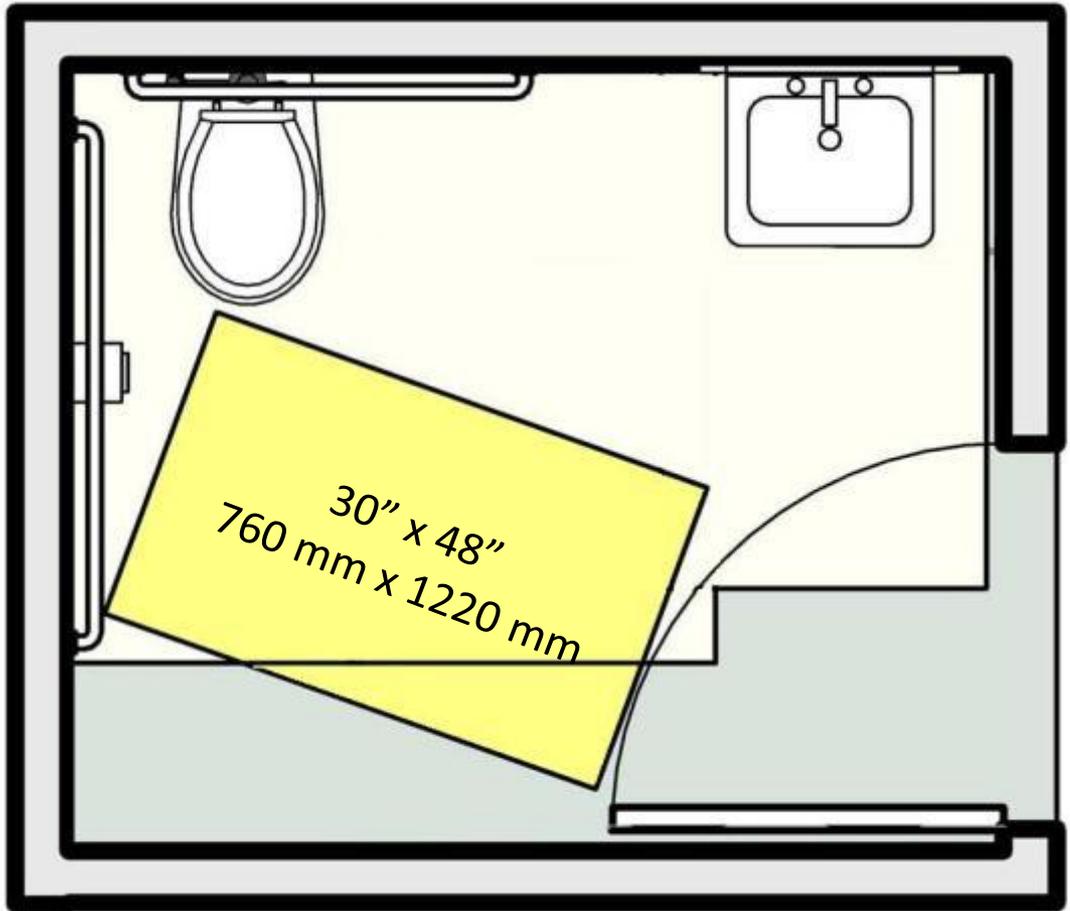
Toilet Rooms



Door man. clearance; swing outside fixture clearances
603.2.3

Toilet Rooms

Doors can swing into fixture clearances -- if clear floor space 30" x 48" (760 mm x 1220 mm) min. provided outside swing



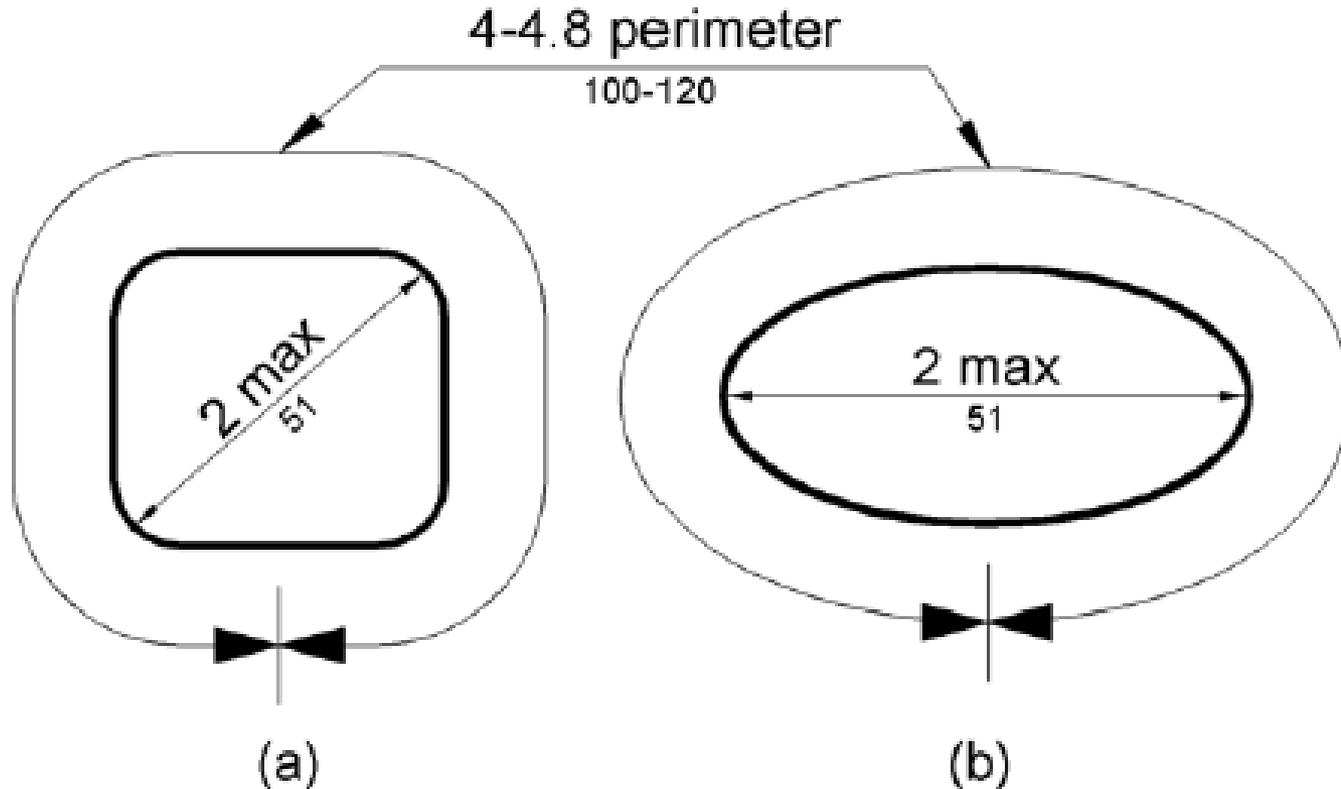
Grab Bars



- Spacing 1.5” (38 mm) absolute
- Clearances at grab bars help ensure usability

Grab Bars

- wider diameter – 1 ¼” to 2” (32 to 51 mm)
- circular and non-circular cross sections



Dispensers

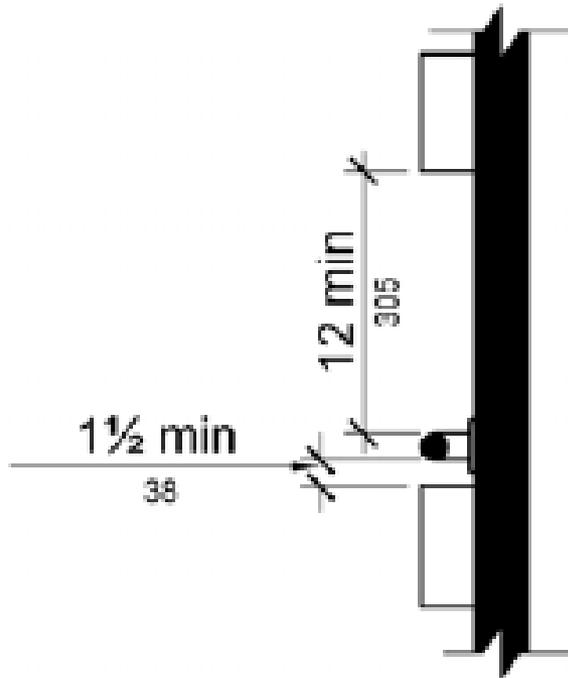
Common problem: large dispensers above grab bar impact usability



Grab Bars

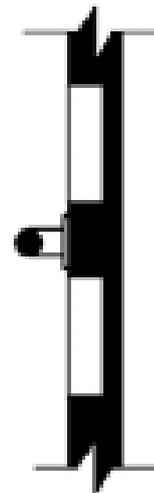
Clearances: 1 ½" (38 mm) behind, absolute

New: 12" (305 mm) min. above



(a)

projecting objects

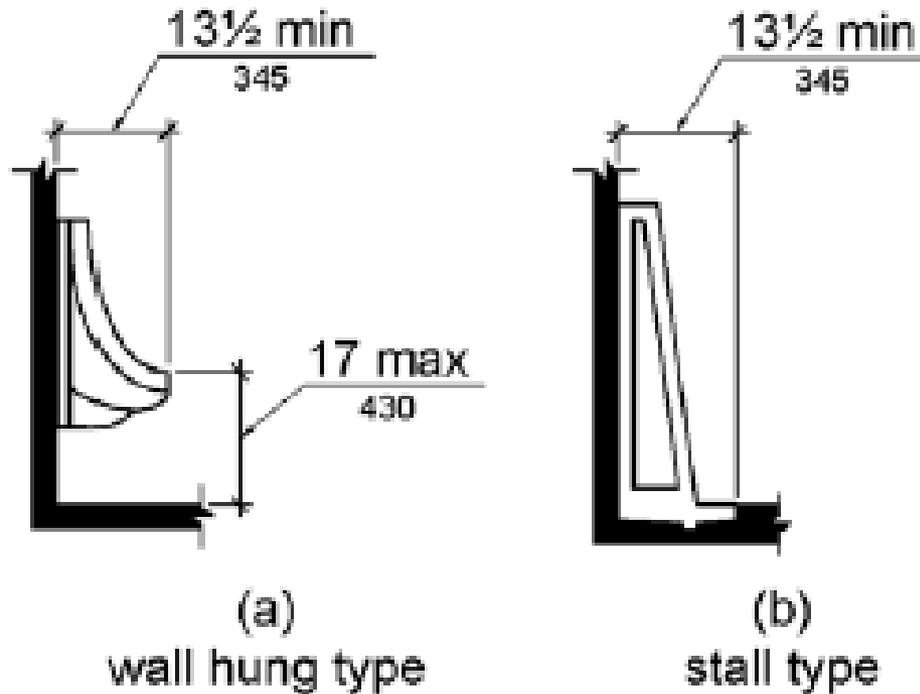


(b)

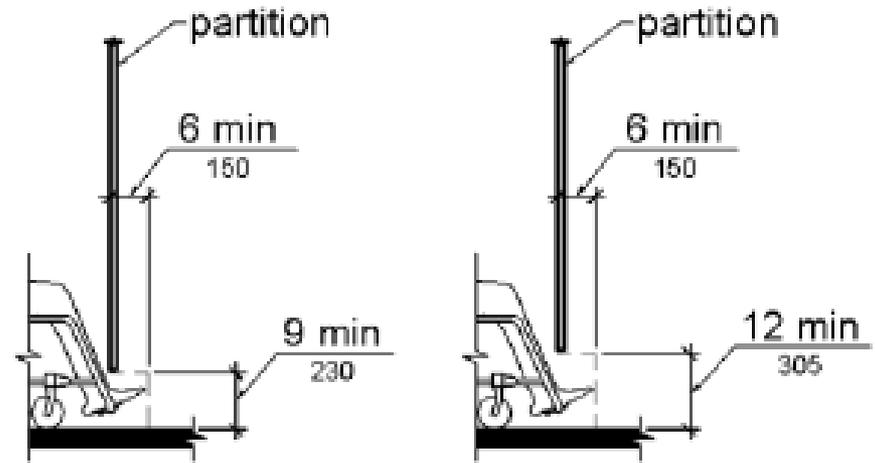
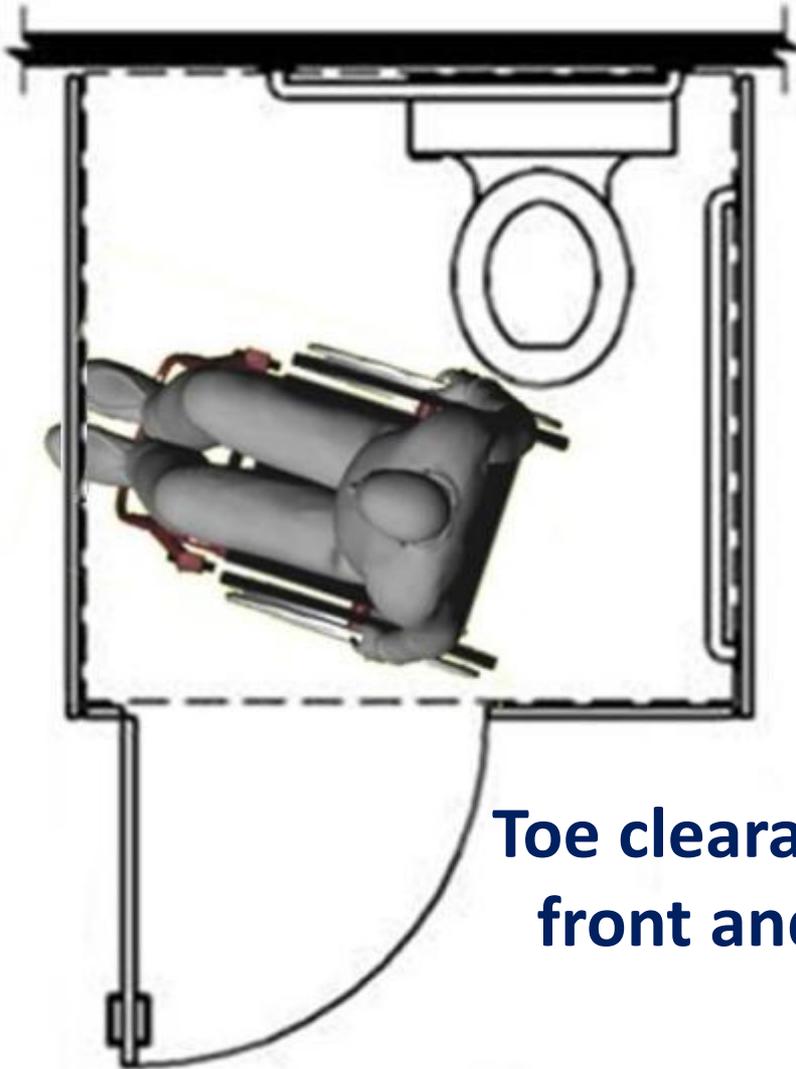
recessed objects

Urinals

- **New Scoping: Where > 1 provided**
- ***New:* “elongated” = 13 ½” (345 mm) min.**



Toilet Compartments (Stalls)



Children

Toe clearance 9" (230 mm) min. below front and at least one side partition

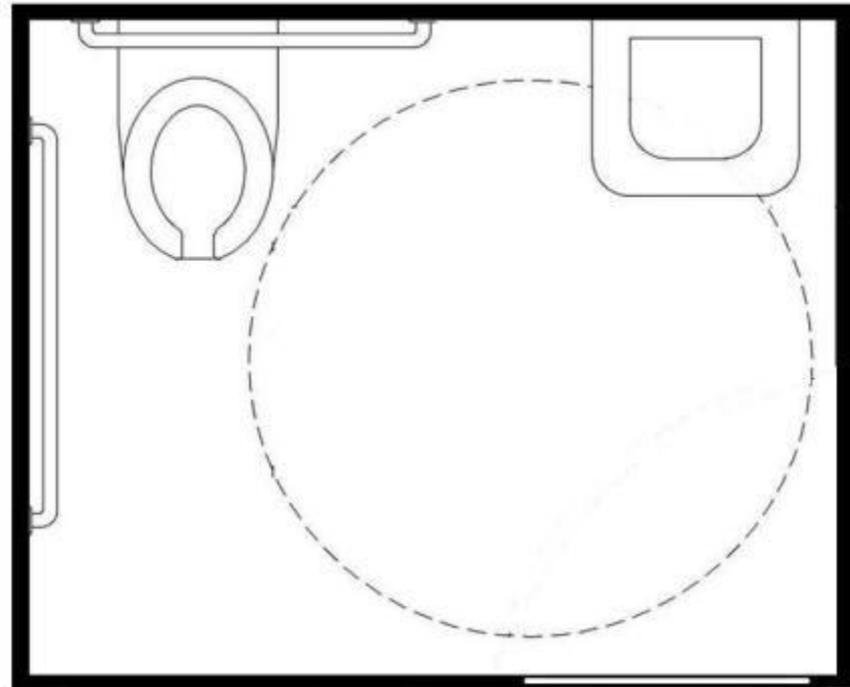
Toilet Stalls

Lavs in toilet stalls

New standards:

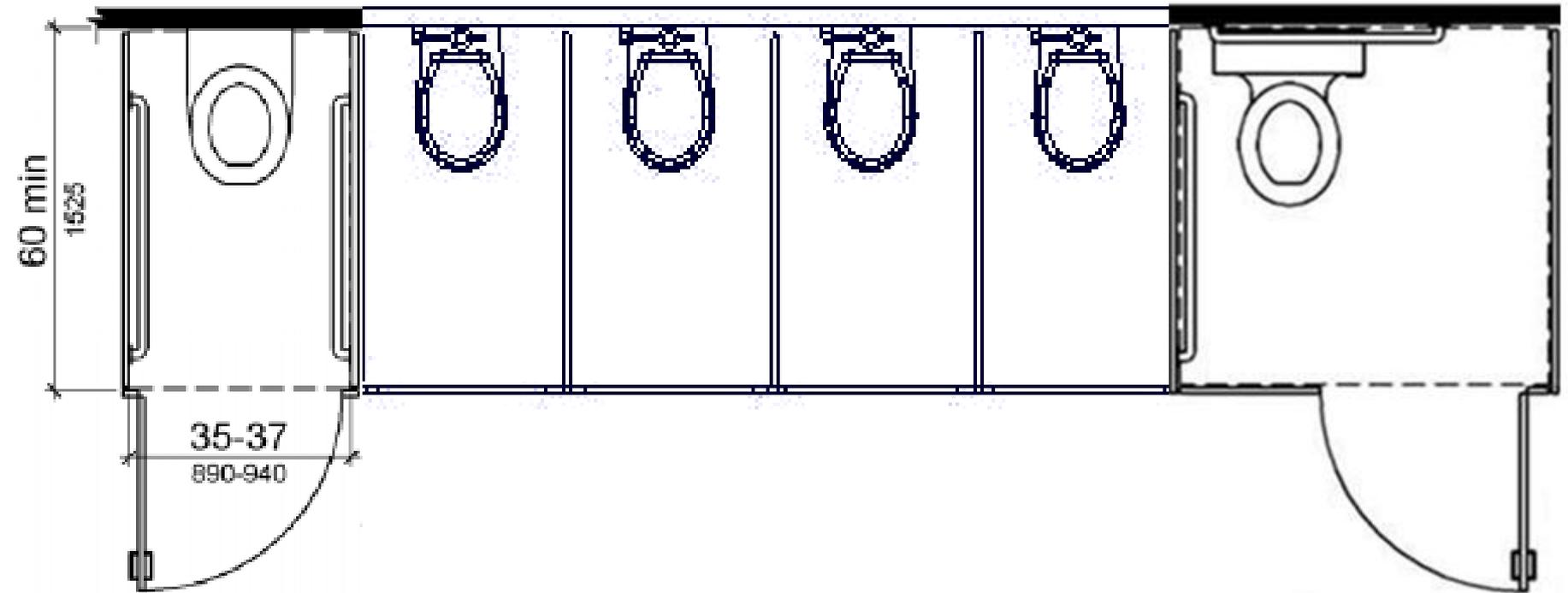
Stalls with more >1 plumbing fixture treated as toilet room

Second accessible lav
required outside stall



Ambulatory Stall

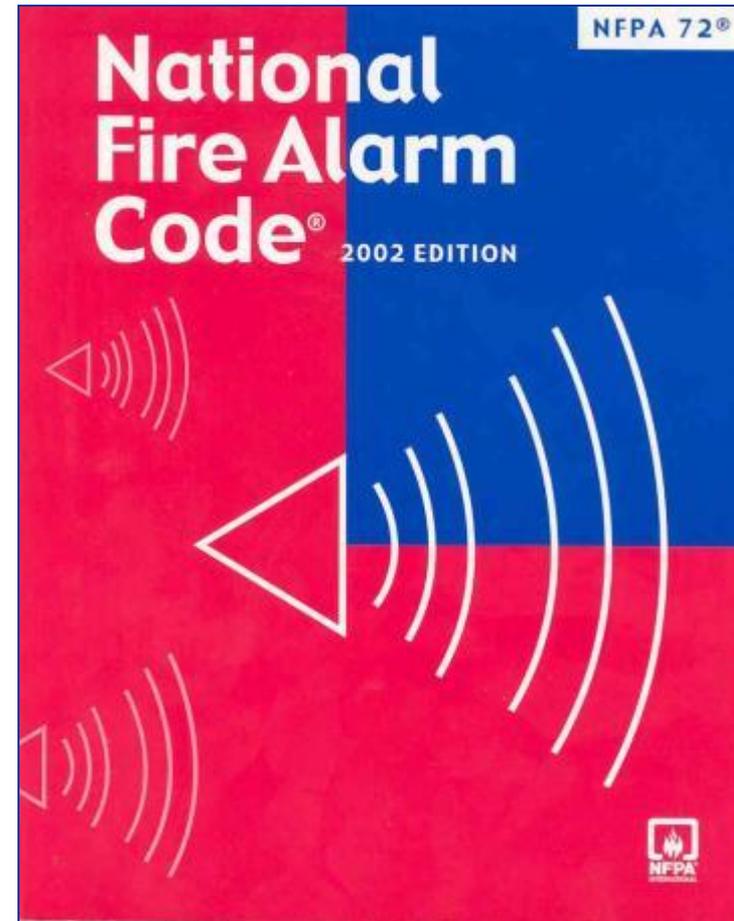
- Required where 6 or more stalls and urinals provided



Fire Alarm Systems

**NFPA 72
(1999 or 2002)**

**Standards require
110 dB max.**



Signs

Where provided

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



Signs

Tactile & Visual

“Room 123”

“Restroom”

“Mechanical Room”

“Exit”

“Floor B”

“Ballroom A”

“C. Smith Room”

Visual Only

“Exit →”

“Accounting Department”

“Visitors must sign in”

Exempt

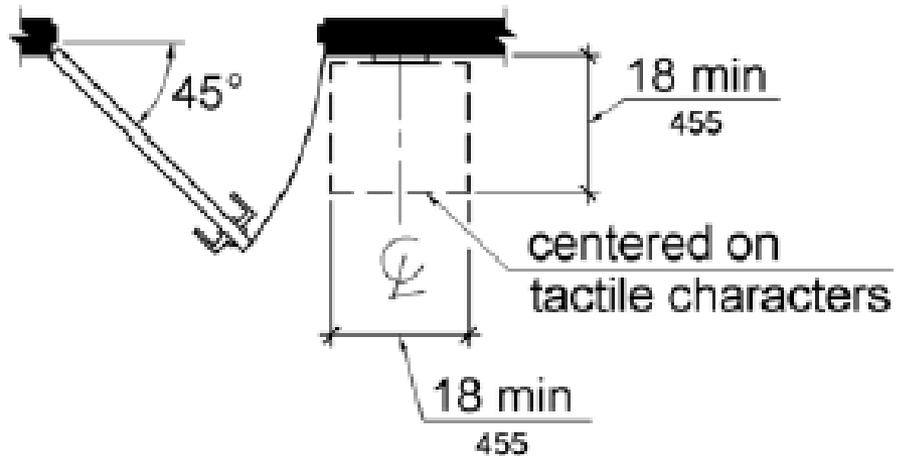
building directory

“Mr. C. Smith, Accountant”

Tactile Signs

Raised Characters

- sans serif
- character proportion, height, spacing
- line spacing
- height: 48"– 60"
(1220-1525 mm)
character baseline
- placement at doors



2-Way Communication Systems

Applies where provided

- to gain admittance to facility or restricted area
- audible and visual signals
- handsets (cord length)



Transportation Facilities

- bus shelters
- rail stations
- audible public address systems
must provided same or equivalent info in
a visual format

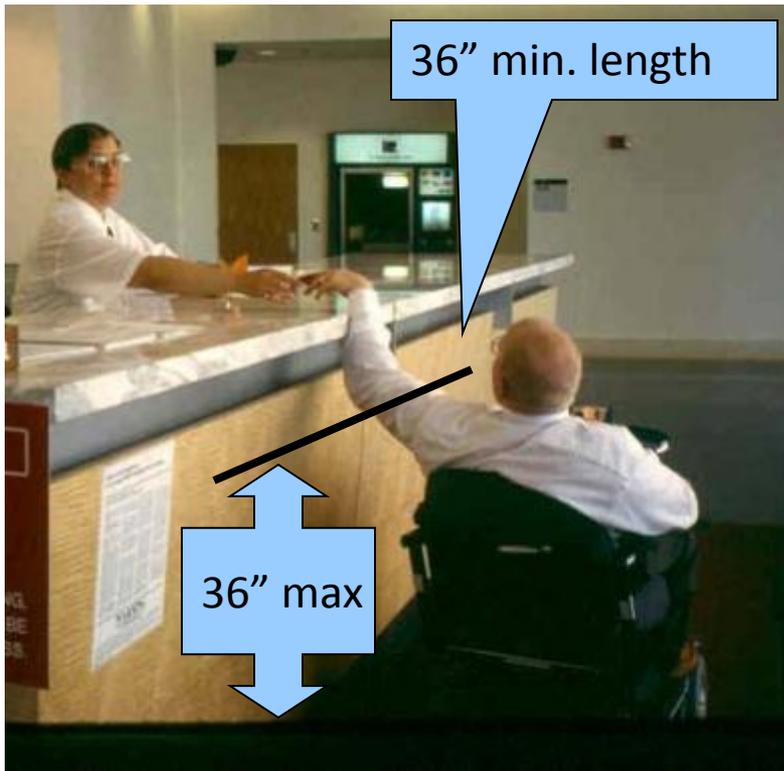
Dining & Work Surfaces

Access to at least 5%, not fewer than 1

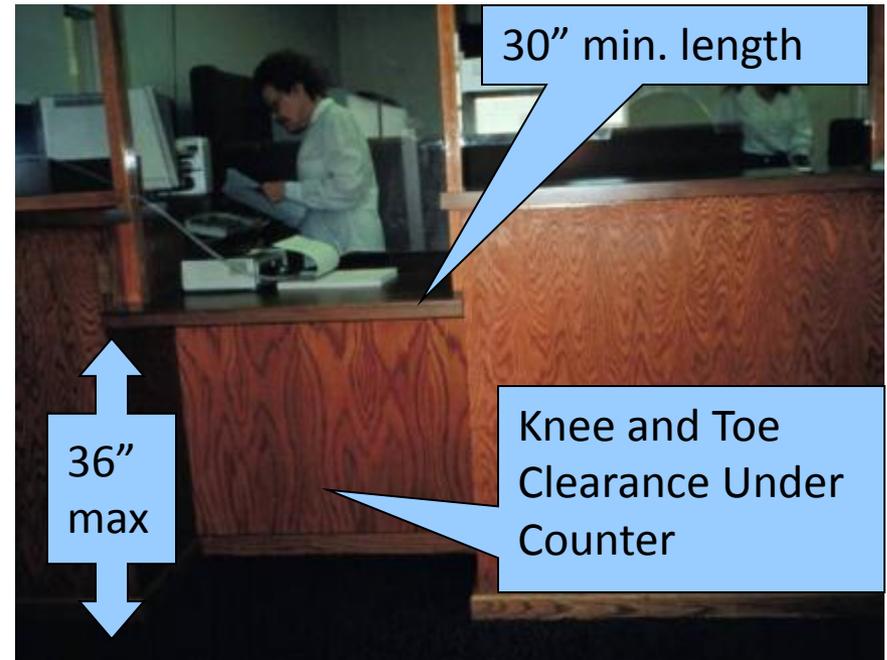


Sales & Service Counters

At least 1 of each type



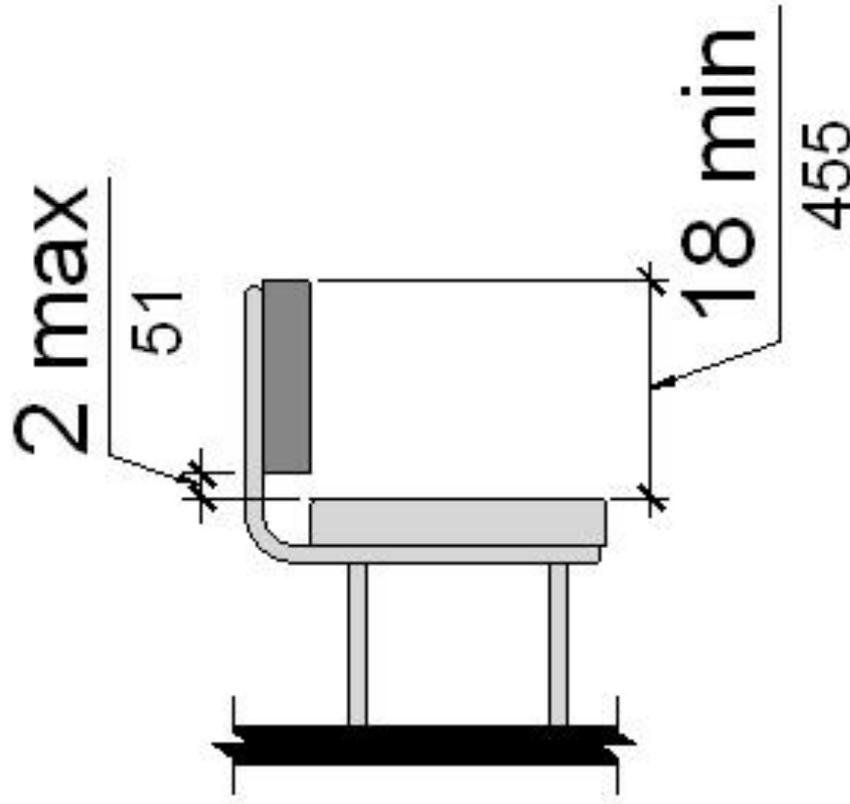
Parallel Approach



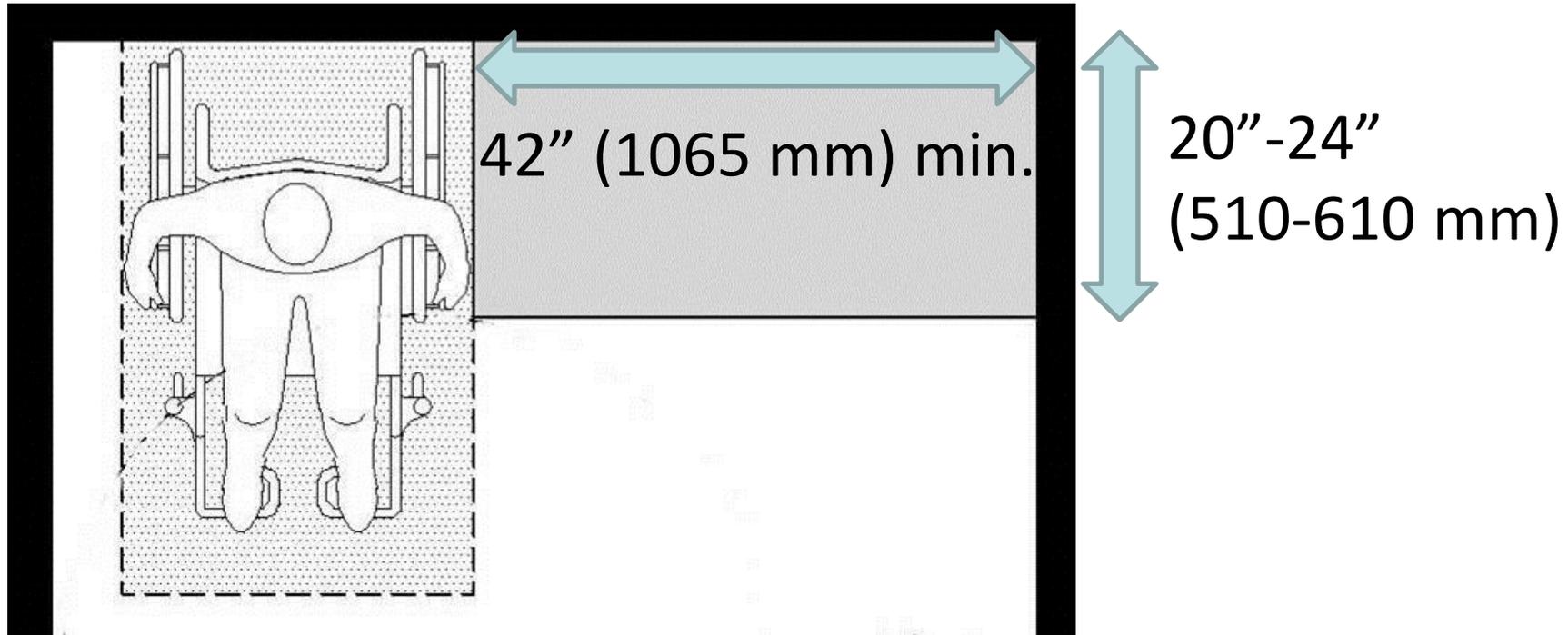
Forward Approach

[dressing] Benches

Back support - new specifications



[dressing] Benches



- clear floor space (parallel to short axis)

Recreation Facilities (Chapter 10)



Technical Assistance

Dept. of Justice

- 800-514-0301 (voice)
- 800-514-0383 (TTY)
- www.ada.gov

Access Board

- 800-USA-ABLE (voice)
(872-2253)
- 800-993-2822 (TTY)
- 202-272-0081 (fax)
- E-mail: ta@access-board.gov
- www.access-board.gov