



## Designing Accessible Communities

# Restaurant Accessibility Field Guide

with references to 2010 CBC Title 24 and 2010 ADA Standards



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## SPECIAL THANKS

Richard Skaff, the Founder and Executive Director, and the Board of Directors of Designing Accessible Communities, and would like to thank the following people for the time, energy, and expertise they provided in their peer review of this document:

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We would also like to thank the Independent Living Resource Center - San Francisco and its Executive Director, **Jessie Lorenz**, ([www.ilrcsf.org](http://www.ilrcsf.org), [jessie@ilrcsf.org](mailto:jessie@ilrcsf.org), 415-543-6222) for the grant from the Herb Levine Fund that helped to fund this project.

## YOUR COMMENTS

We have made every effort to make this document easy to understand and complete in its information. If, however, in the course of using the *DAC Restaurant Accessibility Field Guide*, you find missing or confusing information, or have questions or comments, please contact Richard Skaff at [richardskaff@designingaccessiblecommunities.org](mailto:richardskaff@designingaccessiblecommunities.org).

## **GENERAL NOTES**

The diagrams within the *Designing Accessible Communities Restaurant Accessibility Field Guide* graphically illustrate many of the requirements of the California Building Code (CBC), Title 24, the Americans with Disabilities Act Standards (ADAS), and recommended best practices.

This *Restaurant Accessibility Field Guide* is intended to be used as an aid for building design and construction, as well as inspection. Designing Accessible Communities (DAC) and its Board of Directors and Executive Director assume no liability in the use or misuse of the *DAC Restaurant Accessibility Field Guide*. This document represents an effort to integrate the most restrictive requirements of the above named codes, standards and guidelines. It also makes suggestions for improved accessibility not covered in those requirements. The *DAC Restaurant Accessibility Field Guide* is intended for use only as a guide in conjunction with the above named regulations. Since the *Restaurant Accessibility Field Guide* was not prepared by any of the agencies responsible for developing the standards listed above, this document should only be considered an interpretation of those standards.

All minimum, maximum, and exact dimensions are to be exact within the limits of modern measurement unless otherwise specified in the CBC or ADAS. All dimensions are "finish-to-finish" dimensions. For example, specifications for a toilet centered at 18 inches from the side wall means that the centerline of the toilet is 18 inches from the finished surface of drywall, tile, or other finished wall surface.

The Access Board has made changes to measurements that had previously fixed at an absolute dimension, allowing for tolerances. However, there has not been sufficient research and interaction with the disability community to determine if these new tolerances will still afford the same level of accessibility in the built environment. Any changes of this nature should be based on research and input from people with disabilities whose access may be affected.

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Note on Printing from a Home/Work Computer: Set margins to .25" on all sides in order to ensure all material is contained on the printout.

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## **LEGEND**

AFF = ABOVE FINISH FLOOR

TYP. = TYPICAL

MIN. = MINIMUM

MAX. = MAXIMUM

CLR. = CLEAR

> = GREATER THAN

< = LESS THAN

Ⓞ = CENTER LINE

O.C. = ON CENTER

W/ = WITH

INT. = INTERIOR

EXT. = EXTERIOR

LEVEL = LESS THAN 1:50 (2%) SLOPE IN ANY DIRECTION

***BEST PRACTICE:***

= SUGGESTIONS FOR BETTER ACCESS THAT MAY NOT NECESSARILY BE SPECIFIED IN THE CODES

ADAS = 2010 AMERICANS WITH DISABILITIES ACT STANDARDS\*  
*References in italic blue type (i.e. 502)*

CBC = 2010 CALIFORNIA BUILDING CODE, Title 24, Part 2\*  
**References in bold red type (i.e. 1129B.3)**

\*NOTE: Citations from both regulations are listed concerning particular accessibility features. However, in some cases, the requirement is only required by one of the regulations. We believe that we have provided the information describing the most restrictive requirements from both sets of regulations.

## **2010 ADA STANDARDS AND 2010 CBC, TITLE 24 INFORMATION**

### **2010 AMERICANS WITH DISABILITIES ACT STANDARDS FOR ACCESSIBLE DESIGN (2010 ADAS)**

**What it is:**

The U.S. Department of Justice published an updated and revised document, the official online version of the 2010 ADA Standards for Accessible Design, on September 15, 2010. It provides the scoping and technical requirements for new construction and alterations resulting from the adoption of revised 2010 Standards in the final rules for Title II and Title III. This document provides requirements and recommendations for ensuring equal opportunity for persons with disabilities in places of employment, State and local government services, public accommodations, commercial facilities, and transportation.

**Compliance Effective Date:** March 15, 2012

If the start date for construction is on or after this date, all newly constructed or altered State and local government facilities (Title II) must comply with the 2010 ADA Standards. For public accommodations and commercial facilities (Title III), all projects whose permit application date is on or after this date must comply with the 2010 ADA Standards.

**Where to Find:**

On the U.S. Department of Justice, ADA website:  
[http://www.ada.gov/2010ADASTandards\\_index.htm](http://www.ada.gov/2010ADASTandards_index.htm)  
OR

The U.S. Department of Justice provides free ADA materials. Printed materials may be ordered by calling the ADA Information Line (1-800-514-0301 (Voice) or 1-800-514-0383 (TTY)). Automated service is available 24-hours a day for recorded information and to order publications.

### **2010 CALIFORNIA BUILDING CODES, TITLE 24, PART 2, CHAPTER 11B (2010 CBC)**

**What it is:**

This is part of the official triennial compilation and publication of the adoptions, amendments and repeal of administrative regulations to California Code of Regulations, Title 24, also referred to as the California Building Code. Title 24, Part 2, Chapter 11B is the portion that refers specifically to Accessibility to Public Buildings, Public Accommodations, Commercial Buildings and Publicly Funded Housing.

**Compliance Effective Date:** January 1, 2011

For new construction or alteration projects beginning construction on or after this date.

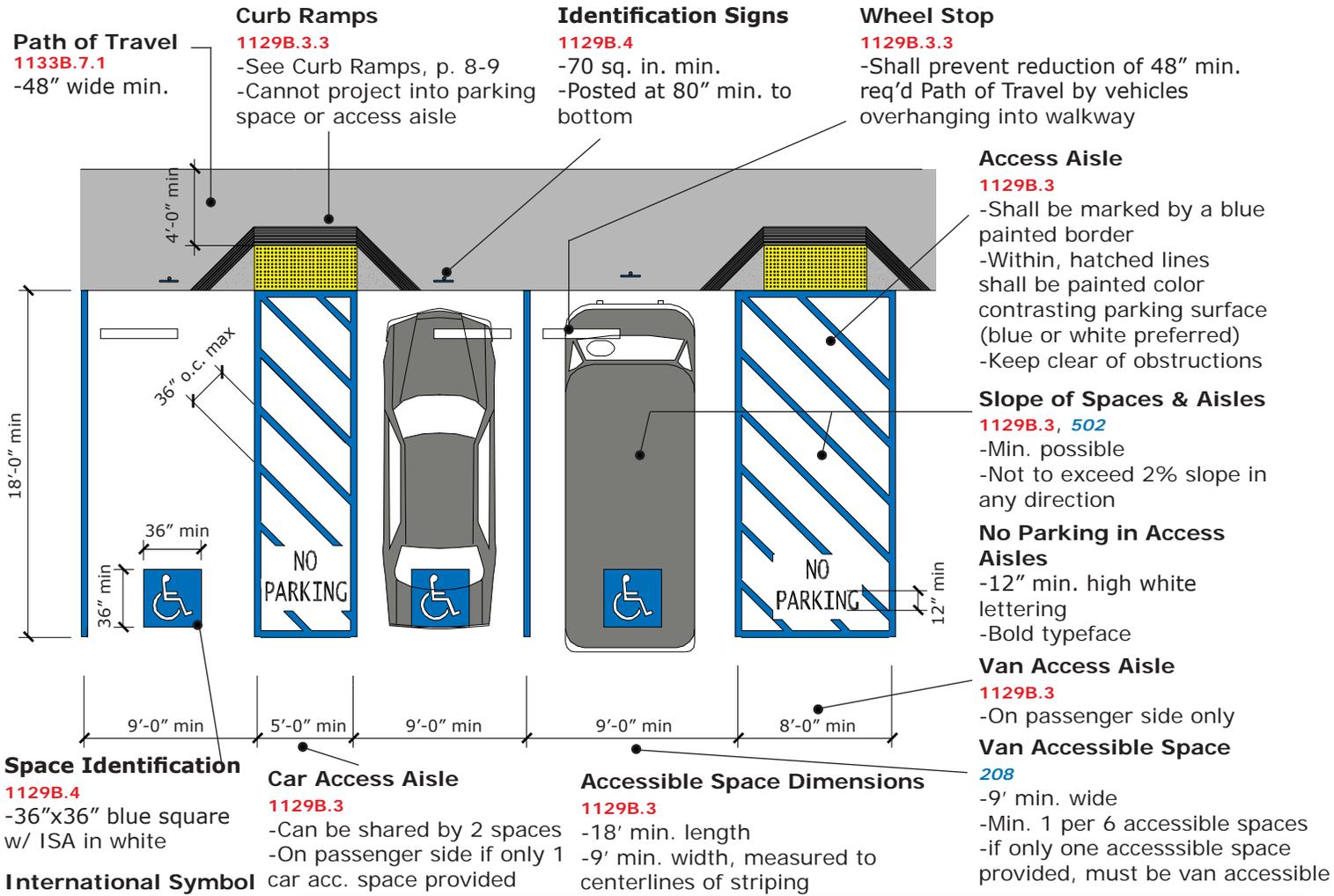
**Where to Find:**

California's building codes are published by the International Code Council (ICC) and may be purchased directly from the council. Visit the online store at [www.iccsafe.org](http://www.iccsafe.org), or call 800-786-4452 for order information.

An online version is available here:

<http://publicecodes.citation.com/st/ca/st/b200v10/index.htm>

# PARKING



**Space Identification**  
1129B.4  
-36"x36" blue square w/ ISA in white

**International Symbol of Accessibility (ISA)**  
-Wheelchair profile:



## Identification Signs

1129B.4  
-Show ISA in white on dark blue background  
-70 sq. in. min.  
-Posted at 80" min. to bottom if in path of travel  
-Additional language/sign stating "Minimum Fine \$250"  
-Van Accessible spaces to be marked with additional language/sign

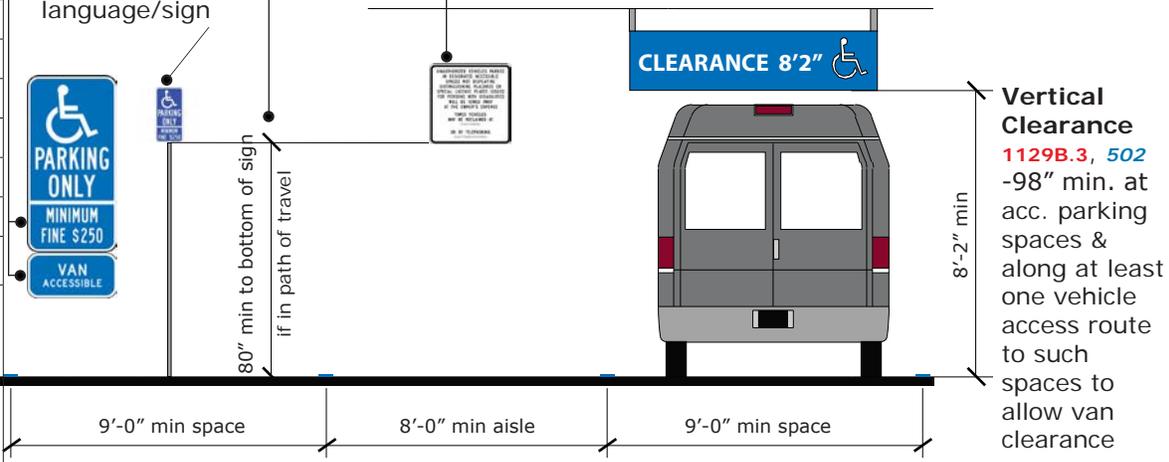


## "Unauthorized Vehicles" Sign

1129B.4  
-Placed conspicuously near parking lot entrance or immediately adjacent to & visible from each accessible stall  
-Min. 17" x 22" with 1" high lettering, black on white background  
-Blank spaces must be filled out with proper information

REQUIRED ACCESSIBLE SPACES	
TABLE 11B-6, TABLE 208.2	
Total #	# Accessible
1-25	1
26-50	2
51-75	3
76-100	4
101-150	5
151-200	6
201-300	7
301-400	8
401-500	9
501-1000	2%
1001+	*

NOTES:  
\*20, +1 per 100 (or fraction thereof) over 1000  
-For every 6 accessible parking spaces, 1 must be van accessible (208)



# CURB RAMPS

## General

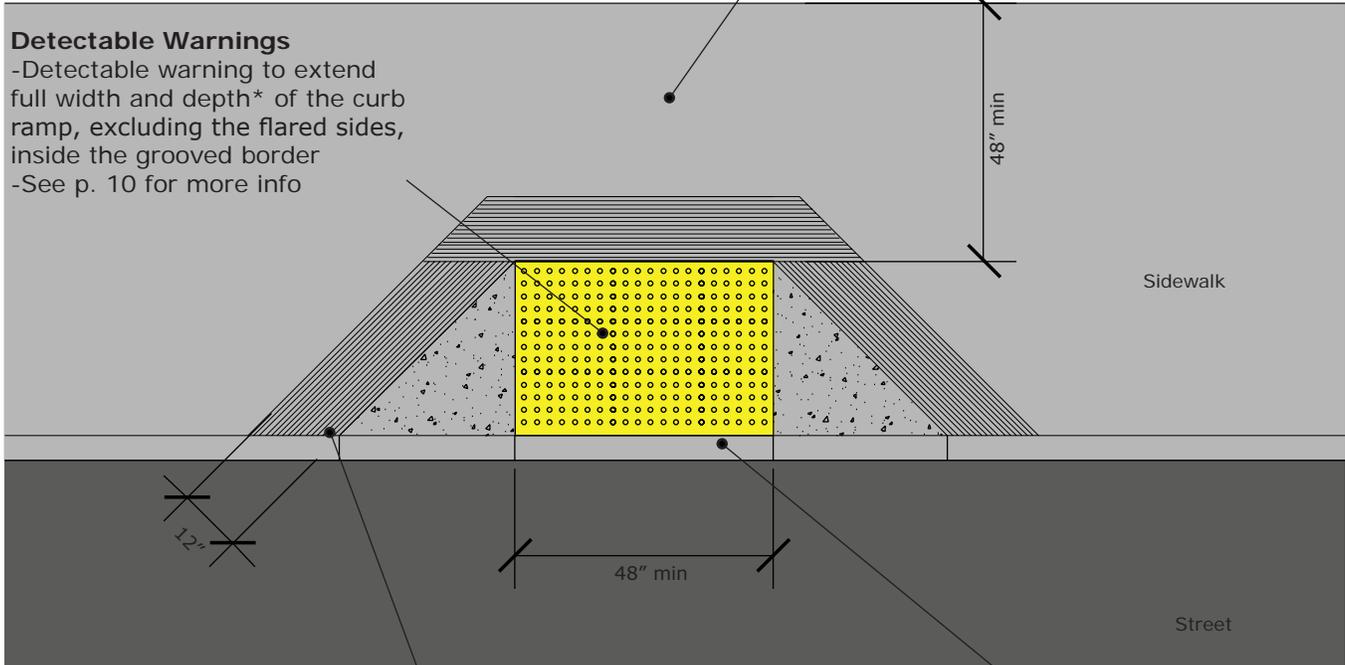
1127B.5.5, 406

- Construct curb ramps at each corner of street intersections and where a pedestrian way crosses a curb
- Surfaces shall be stable, firm, and slip resistant and shall be of contrasting color or texture from that of the adjacent sidewalk

## Level Landing

1127B.5.4

- 4' deep minimum level landing at top of curb ramp for full width of ramp



## Detectable Warnings

- Detectable warning to extend full width and depth\* of the curb ramp, excluding the flared sides, inside the grooved border
- See p. 10 for more info

## Border

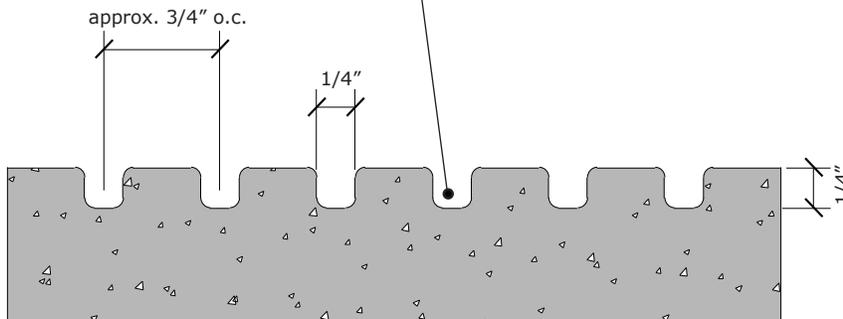
1127B.5.6

- All curb ramps shall have a grooved border 12" wide at the level surface of the sidewalk along the top and each side
- 1/4" grooves shall be approx. 3/4" on center

## Curb Ramp Width

1127B.5.2

- 4' wide minimum



## Groove Detail

Fig. 11B-20D

## \*NOTE:

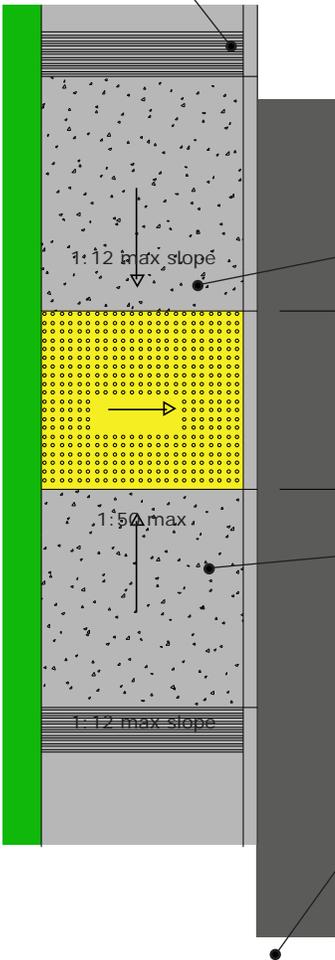
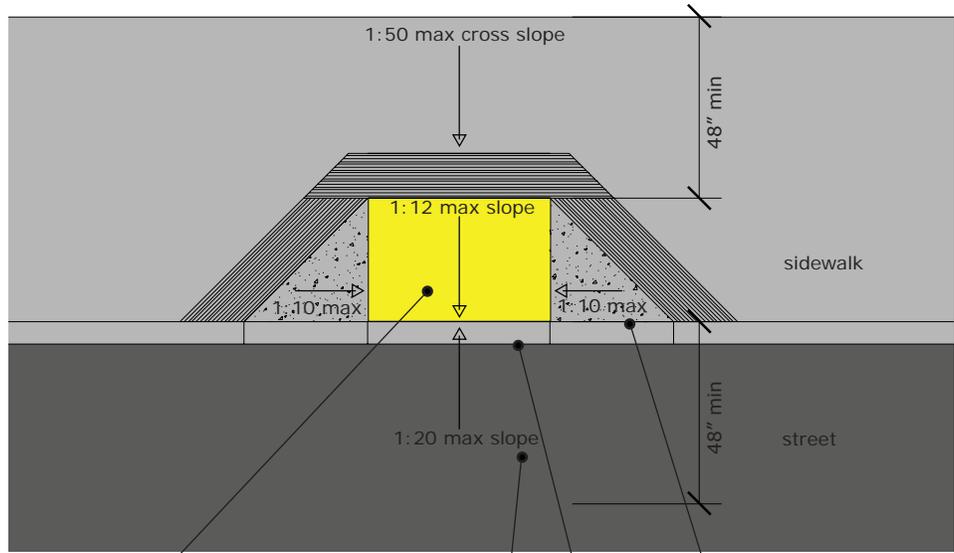
The California Division of the State Architect allows for an acceptable alternative design where the detectable warning surface extends 36" min. in the direction of travel for the full width of the curb ramp. [DSA Interpretation of Regulations Document: DSA (AC) IR 11B-4 (3)]

# CURB RAMP SLOPES

## Parallel Ramps

**1127B.5 Note 5 (Fig. 11B-20B, Case C)**

- Where this is not enough room to install a 48" min. wide top landing, slope entire width of sidewalk down to landing level with adjacent street
- Max. slope 1:12 (8.33%)
- Include grooved border on top end of curb ramp, at level surface of sidewalk



### Curb Ramp Slope

**1127B.5.3**  
-1:12 (8.33%) max. slope in direction of travel

### Flared Sides Slope

**1127B.5.3, 406.3**  
-1:10 (10%) max. slope

**Flush Transition between Street and Curb Ramp**

### Adjacent Surface Slopes

**1128B, 1127B.5.3, 403.3, 406.2**  
-Cross slope of any ramp portion 1:50 (2%) max.  
-1:20 (5%) max. slope on adjacent gutters, road surfaces and accessible route(s)

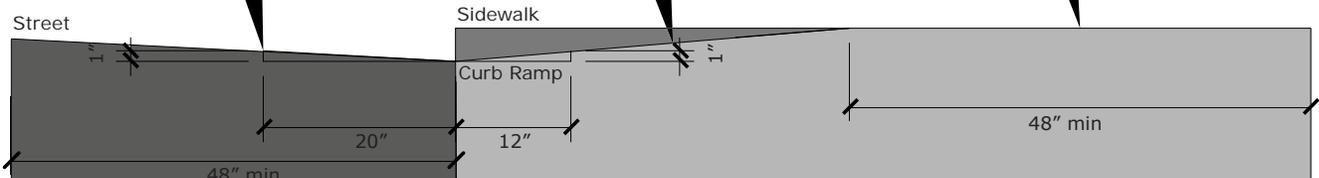
### Curb Ramp Slope

**1127B.5.3**  
-1:12 (8.33%) max. slope in direction of travel

Street, 1:20 max slope

Curb Ramp, 1:12 max slope

Sidewalk, 1:50 max cross slope

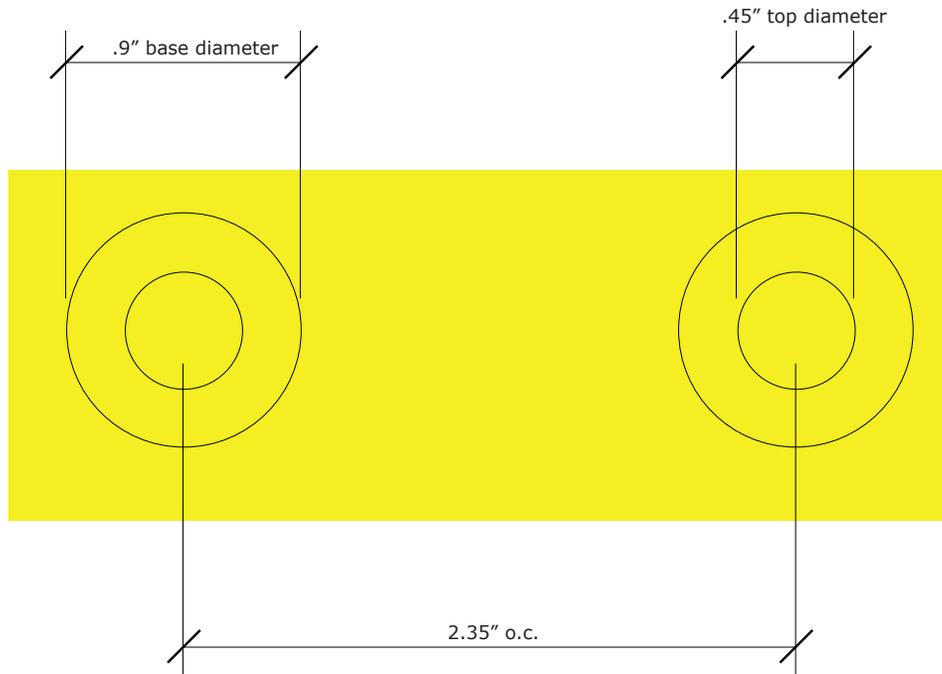


## DETECTABLE WARNINGS

### General\*

1127B.5.7, Fig. 11B-23A, 701.1, 705.1, Fig. 705.1

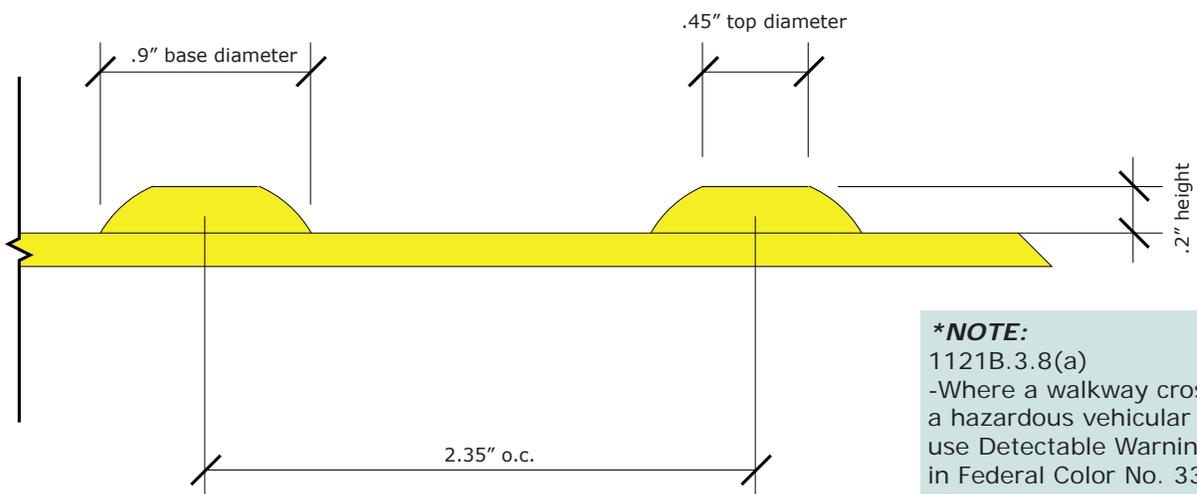
- Detectable warnings shall be slip-resistant and consist of raised truncated domes
- Shall contrast visually with adjoining surfaces
- Material used to provide contrast shall be integral to the walking surface
- Domes shall be aligned in a rectangular pattern, not offset
- Refer to CCR Title 24, Part 12, Chapters 12-11A and B for building and facility access specifications for DSA-AC approved detectable warning products and directional surfaces



### Truncated Domes

1127B.5.7

- Nominal base diameter 0.9", tapering to 0.45" diameter at top
- Nominal height 0.2"



### Spacing

1127B.5.7

- Center-to-Center spacing nominal 2.35"

### \*NOTE:

1121B.3.8(a)

- Where a walkway crosses a hazardous vehicular way, use Detectable Warnings in Federal Color No. 33538 (Federal Yellow)
- Determine hazardous vehicular areas by looking at the user base and the vehicular traffic volume where it crosses the pedestrian right-of-way (i.e. place Federal Yellow Detectable Warnings at commercial driveways to shopping centers, etc.)

# RAMPS

## General

1133B.5.1

-Any accessible route with a slope greater than 1:20 (5%) is considered a ramp

## Landings

1133B.5.4, 405.7

- Provide Level Landings [less than 1:50 (2%) slope in all directions] at top and bottom of each ramp
- If necessary, provide intermediate landings for each 30" vertical rise and at each change in direction
- Provide positive drainage on ext. ramp landings

### Bottom Landing

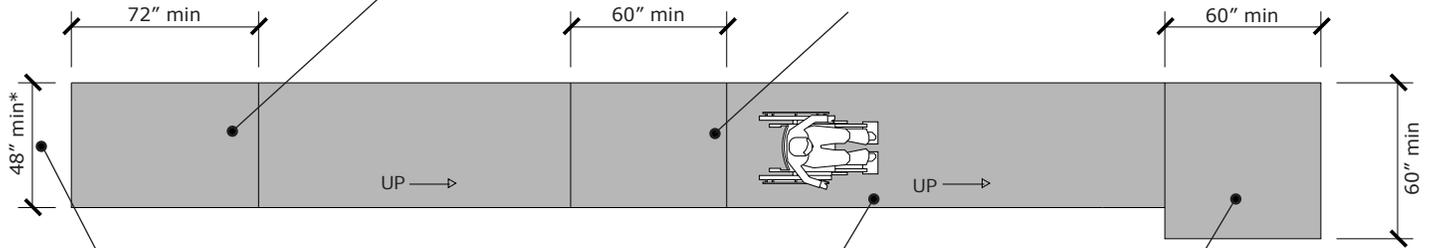
1133B.5.4, 405.7

- 72" min. length
- Full width of ramp

### Intermediate Landing

1133B.5.4, 405.7

- 60" min. length Level Landing
- Full width of ramp run



### Ramp Width

1133B.5.2

- 48" min. clear width
- \*NOTE: If Occupancy is >300 people, 60" min. clear width

### Ramp Slope

1133B.5.3, 405.2

- Use **least possible** slope
- 1:12 (8.33%)Max. slope
- 30" max. rise for any run
- 1:50 (2%) max. cross slope

### Top Landing

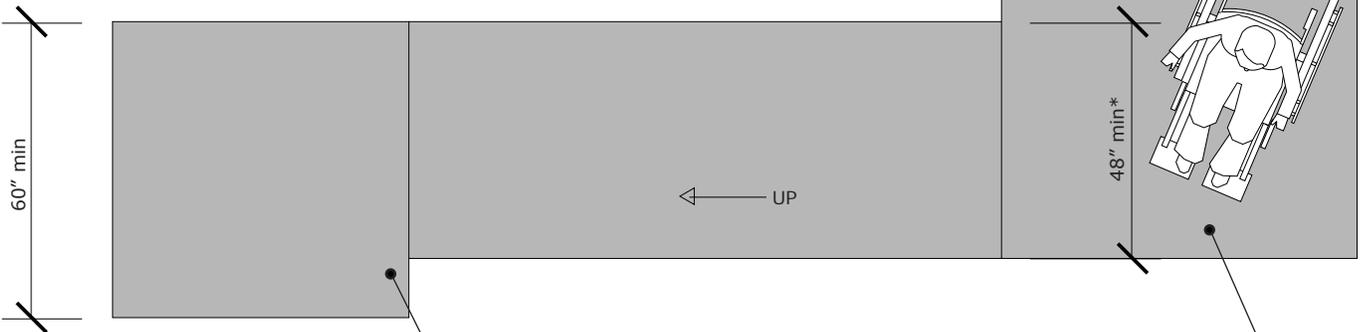
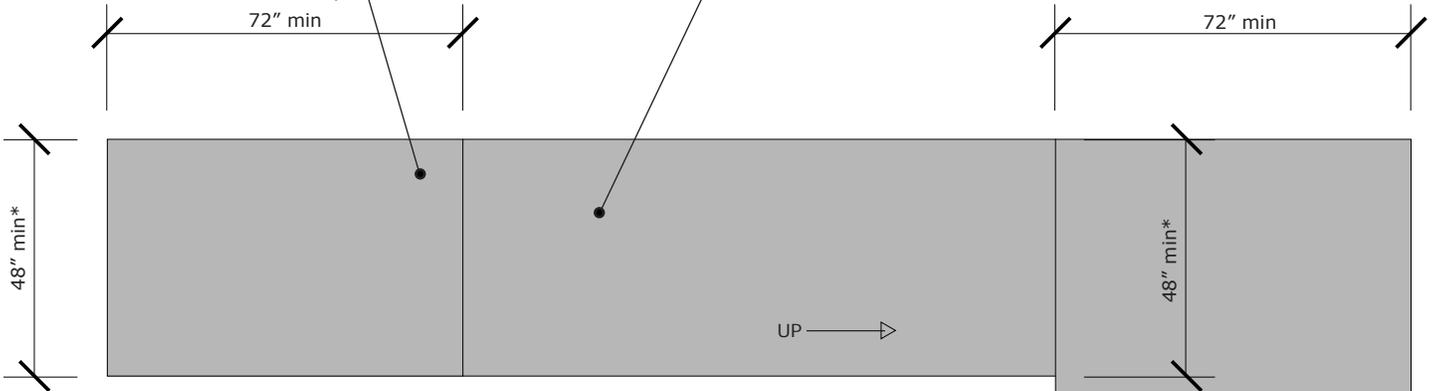
1133B.5.4, 405.7

- Min. 60" x 60" Level Landing

### Bottom Landing

1133B.5.4, 405.7

- 72" min. length
- Full width of ramp



### Top Landing

1133B.5.4, 405.7

- Min 60" x 60" Level Landing

### Intermediate Landing on Switchbacks

1133B.5.4, 405.7

- 72" min. length in direction of ramp run at any change of direction greater than 30°

# RAMPS

## General

1133B.5.1

-Any accessible route with a slope greater than 1:20 (5%) is considered a ramp

## Landings

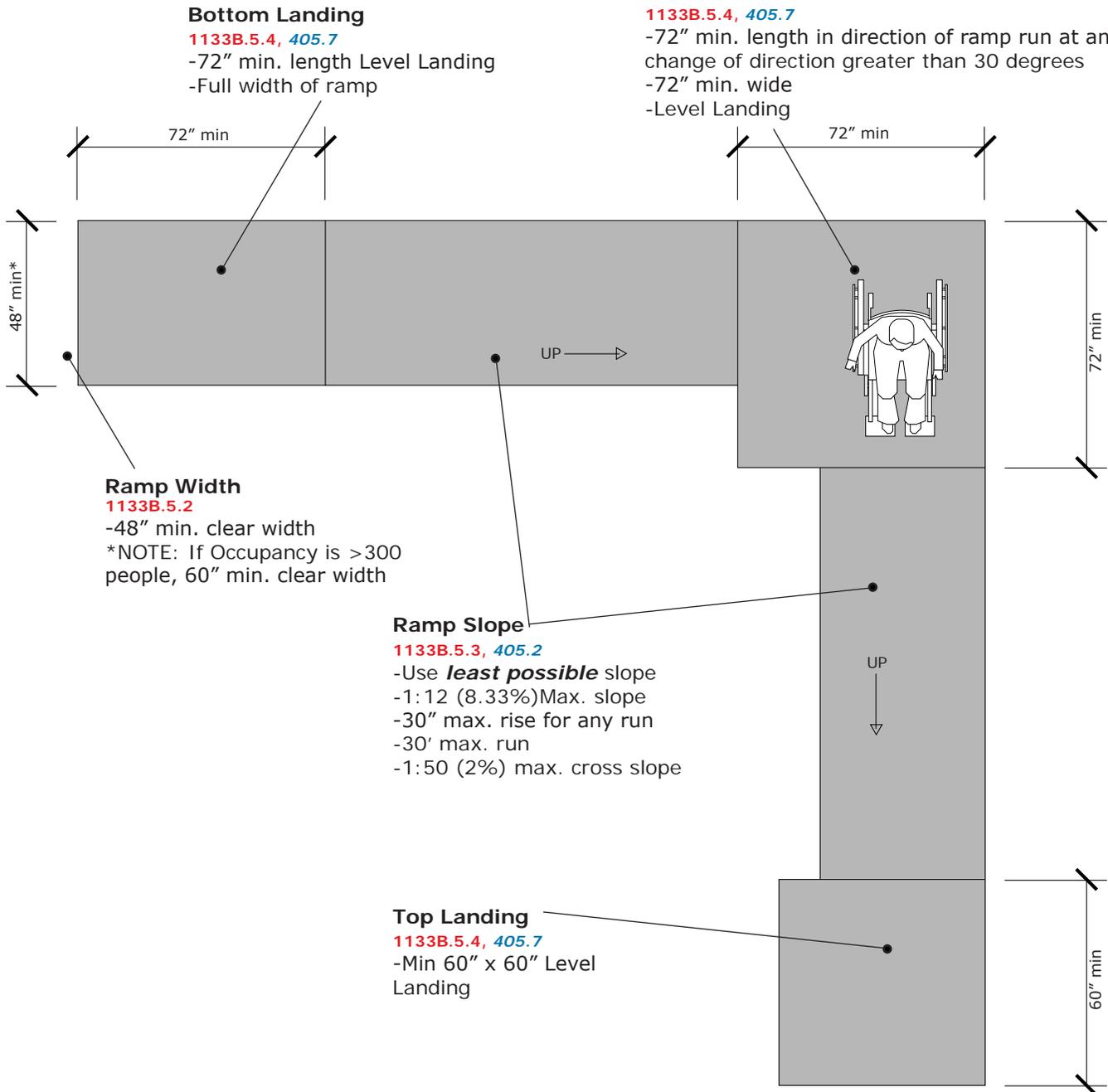
1133B.5.4, 405.7

- Provide Level Landings [less than 1:50 (2%) slope in all directions] at top and bottom of each ramp
- If necessary, provide intermediate landings for each 30" vertical rise and at each change in direction
- Provide positive drainage on ext. ramp landings

## Intermediate Landing at Change of Direction

1133B.5.4, 405.7

- 72" min. length in direction of ramp run at any change of direction greater than 30 degrees
- 72" min. wide
- Level Landing



# RAMP HANDRAILS

## General

### 1133B.5.5.1

- Handrails required on all ramps, except at door landings where ramp rise is <math>< 6^\circ</math>
- Continuous on both side of ramp

## Ramp Width

### 1133B.5.2

- 48" min. clear width
- \*NOTE: If Occupancy is >300 people, 60" min. clear width

## Clearance at Door

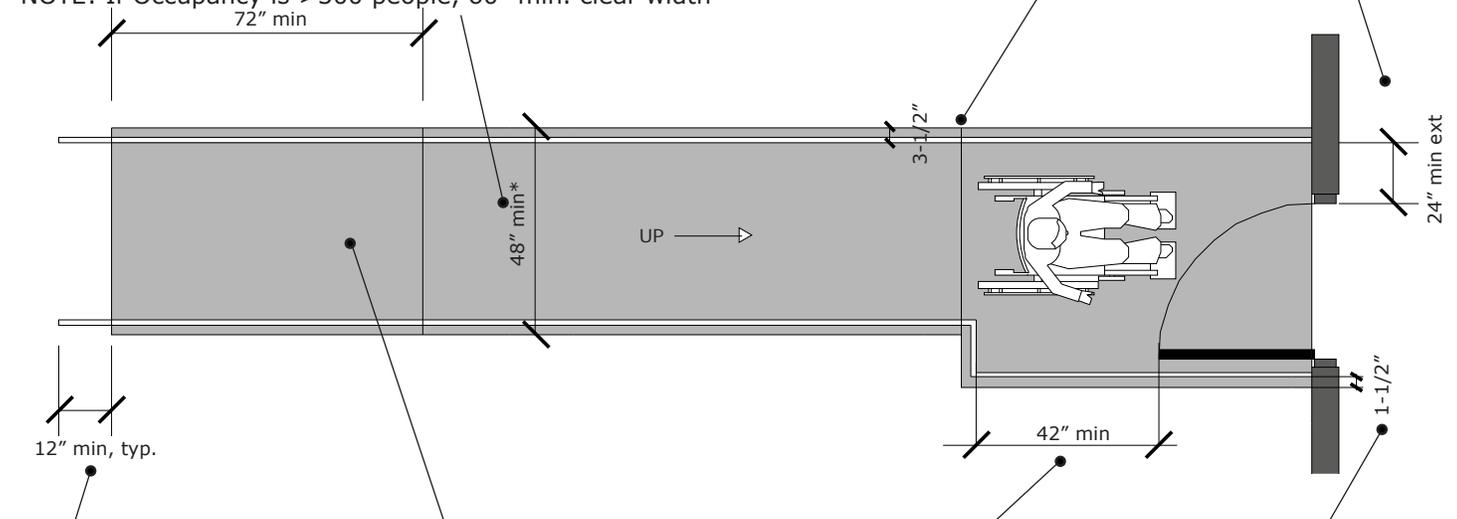
### 1133B.2.4.3, 404.2.4

- 24" min. at latch side of ext. door

## Handrails

### 1133B.5.5.1

- May extend into required clear width 3-1/2" on each side



## Railing Extension

### 1133B.5.5.1

- 12" min. length parallel to floor before turning down or to the side

## Bottom Landing

### 1133B.5.2, 1133B.5.4.2

- 72" min. length
- Full width of ramp

## Clear Space at Door on Landing

### 1133B.5.4.4

- 42" min. between fully open door and railing

## Distance to Wall

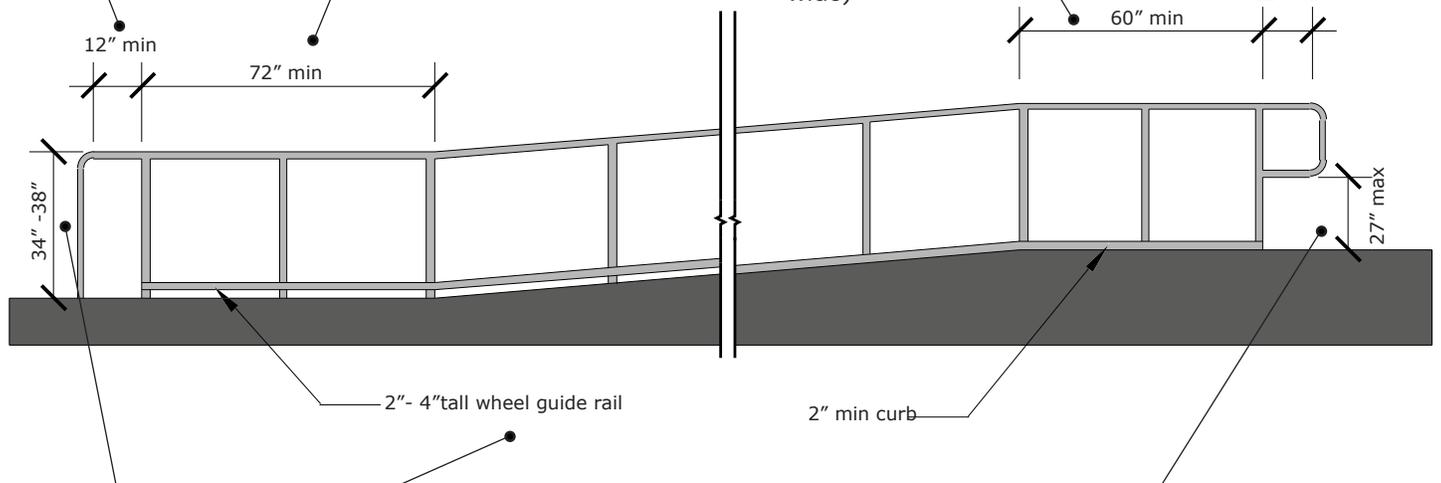
### 1133B.5.5.1

- 1-1/2" between handrail and wall

## Top Landing

### 1133B.5.2, 1133B.5.4.2, 405.7

- 60" min. length
- Full width of ramp (Min. 48" wide)



## Handrail Height

### 1133B.5.5.1

- 34" min., 38" max.
- Consistent along entire ramp run

## Wheel Guide Rail OR Curb

### 1133B.5.4.8

- 2" to 4" tall wheel guide rail, centered at 2" to 4" AFF
- OR
- Curb at 2" min. height AFF
- Full length of ramp
- When handrails are not wall-mounted
- Must provide smooth edge along inside of ramp

## Handrail Return

### 1133B.5.5.1

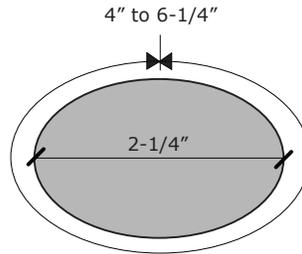
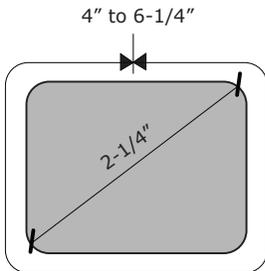
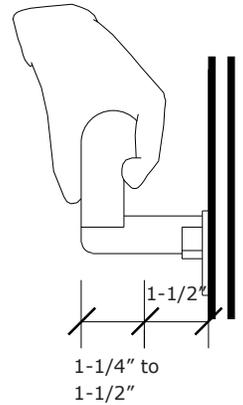
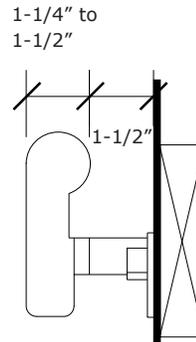
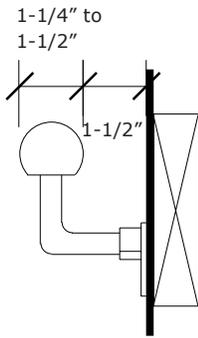
- 12" min. parallel to floor
- 27" max to lower return rail
- Not needed if a compliant handrail extends along a level landing

# HANDRAILS

## Handrail Grips (for ramps and stairs)

1133B.4.2.5-6, 505.5, 505.7

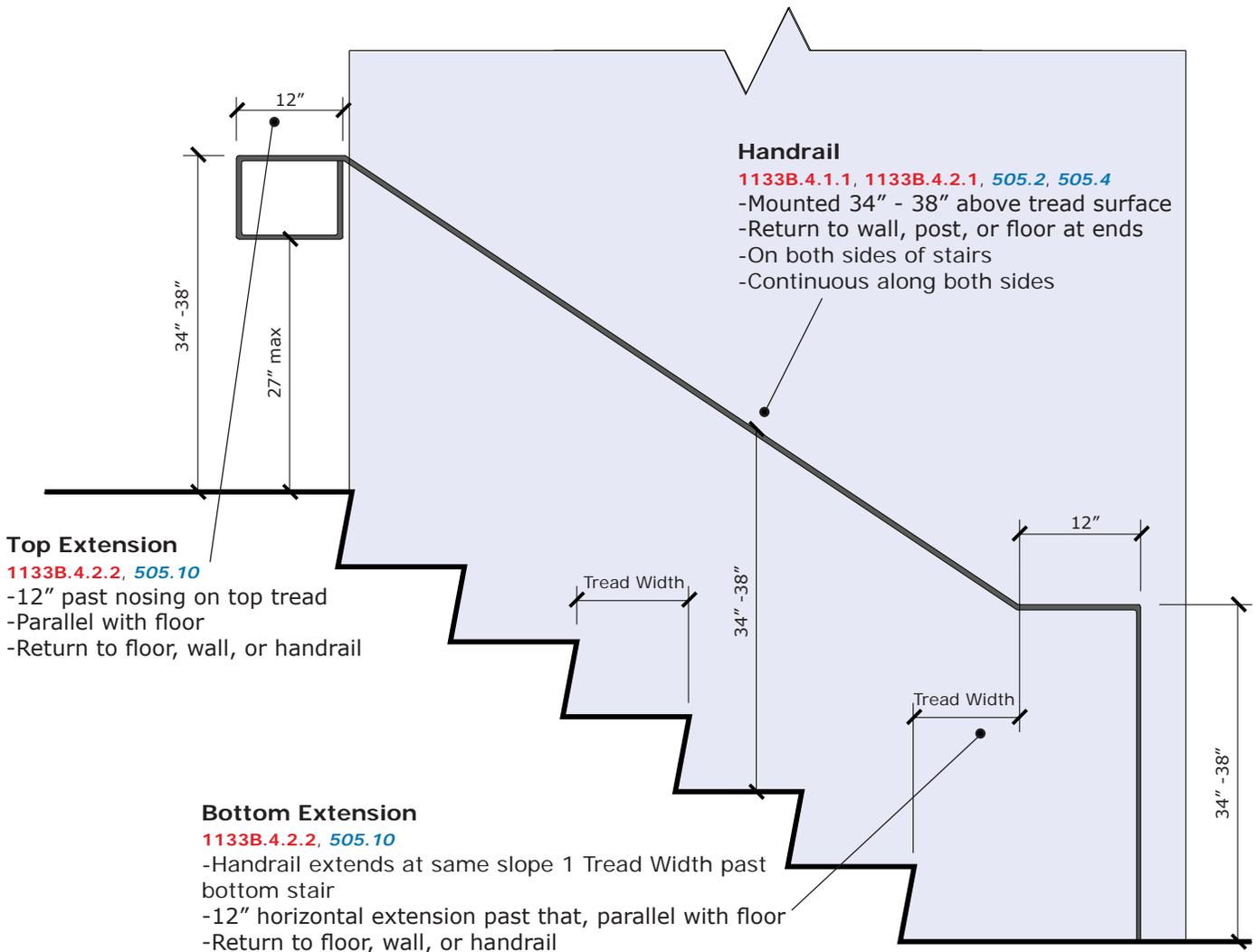
- Grip portion 1-1/4" to 1-1/2" in cross section (or equivalent gripping surface) measured to outer dimension
- 1-1/2" space between handrail and wall
- Smooth wall surface behind handrails



## Non-Circular Handrail Grips

505.7.2

- 2-1/4" max. cross section
- 4" min. to 6-1/4" max. perimeter
- (Note: This was proposed as a part of the next CBC Code Cycle at the 5/21/12 Stakeholder Forum, but is not yet part of CBC, Title 24, as of this writing.)



# STAIRS

## Top Extension

1133B.4.2.2, 505.10

- 12" past nosing on top tread
- Parallel with floor
- Return to floor, wall, or handrail
- Exceptions:
  - at a change in direction, continue handrail
  - in existing buildings where an extension would cause a dangerous condition

## Cane Detectable Extensions

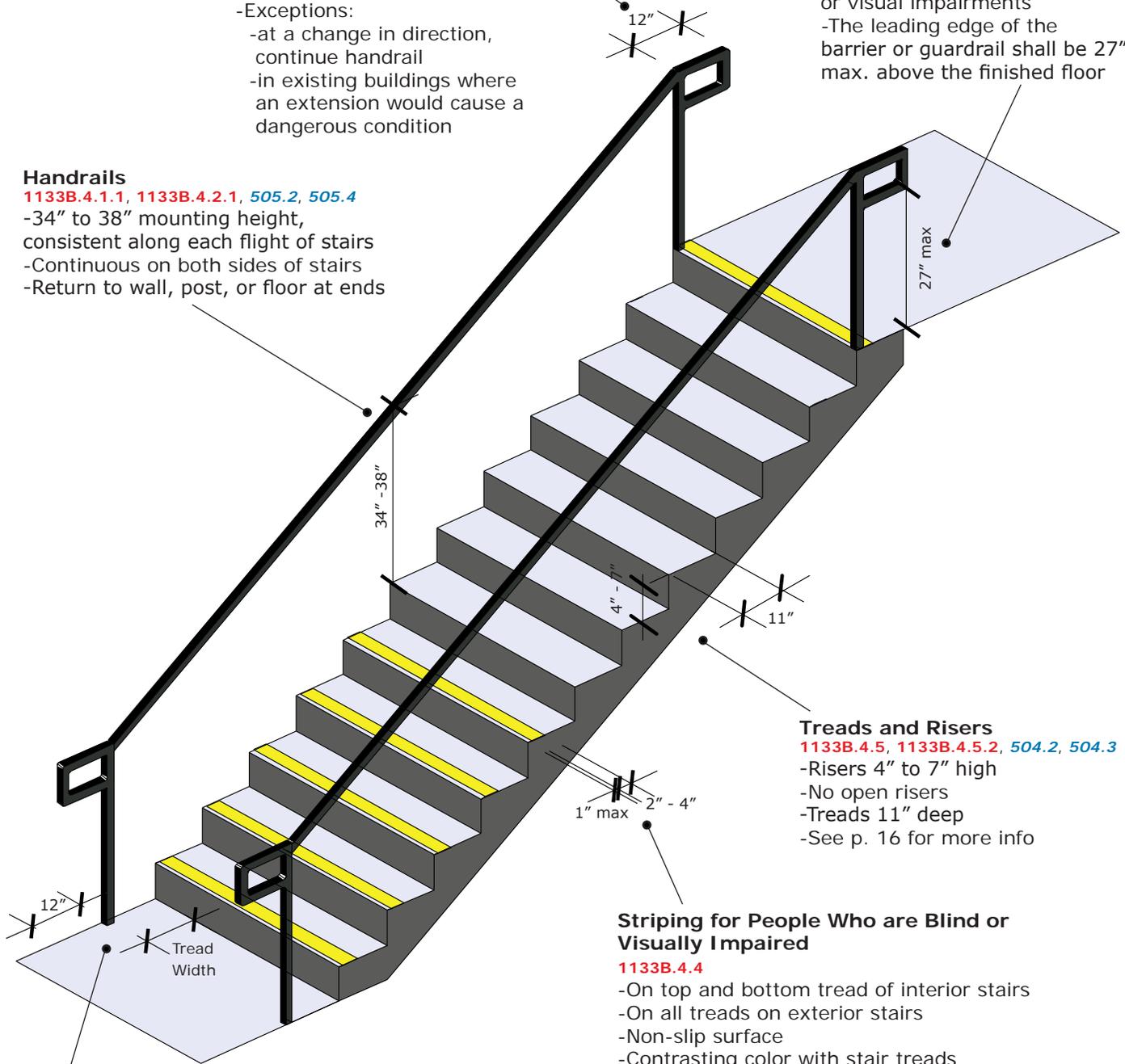
1133B.8.6, 307.4

- Where the vertical clearance is less than 80", provide a barrier to warn people with blindness or visual impairments
- The leading edge of the barrier or guardrail shall be 27" max. above the finished floor

## Handrails

1133B.4.1.1, 1133B.4.2.1, 505.2, 505.4

- 34" to 38" mounting height, consistent along each flight of stairs
- Continuous on both sides of stairs
- Return to wall, post, or floor at ends



## Treads and Risers

1133B.4.5, 1133B.4.5.2, 504.2, 504.3

- Risers 4" to 7" high
- No open risers
- Treads 11" deep
- See p. 16 for more info

## Striping for People Who are Blind or Visually Impaired

1133B.4.4

- On top and bottom tread of interior stairs
- On all treads on exterior stairs
- Non-slip surface
- Contrasting color with stair treads
- 2" to 4" wide
- Set 1" max. back from front edge of tread
- Full width of step

## Bottom Extension

1133B.4.2.2, 505.10

- Handrail extends at same slope 1 Tread Width past bottom stair
- 12" horizontal extension past that, parallel with floor
- Return to floor, wall, or handrail

## STAIRS

### Risers

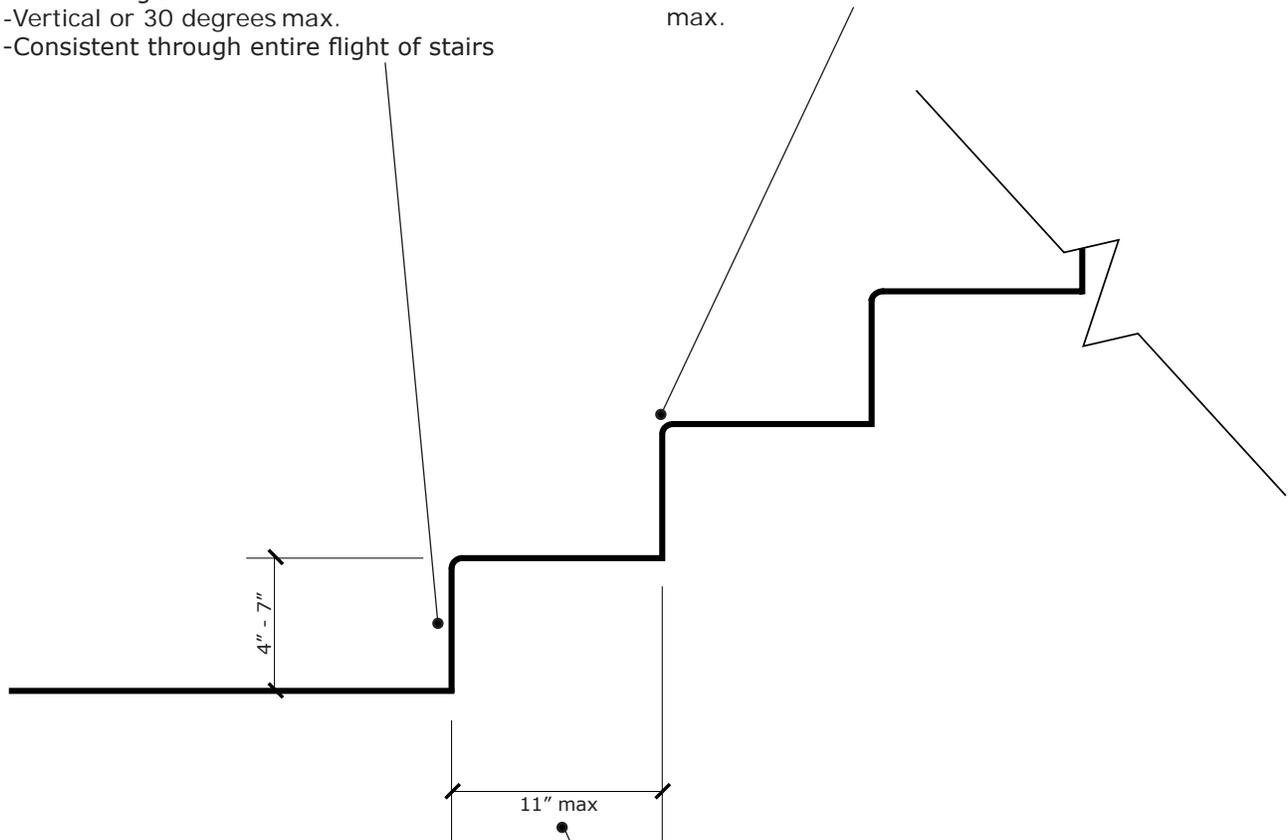
1133B.4.5, 1133B.4.5.2, 504.2, 504.3

- Open risers NOT permitted
- 4" to 7" high
- Vertical or 30 degrees max.
- Consistent through entire flight of stairs

### Nosings

1133B.4.5.3, 504.5

- 1/2" max. radius
- 1/2" max. bevel
- OR
- Projected 1-1/4" max. past back of tread below, with underside curved or beveled at 30° max.



### Treads

1133B.4.5, 504.2

- 11" max. depth from riser to riser
- Horizontal
- Same through entire flight of stairs
- Front may extend 1-1/4" max. past back edge of tread below

## DOORS

### General

1133B.2.2, 1133B.2.3.3

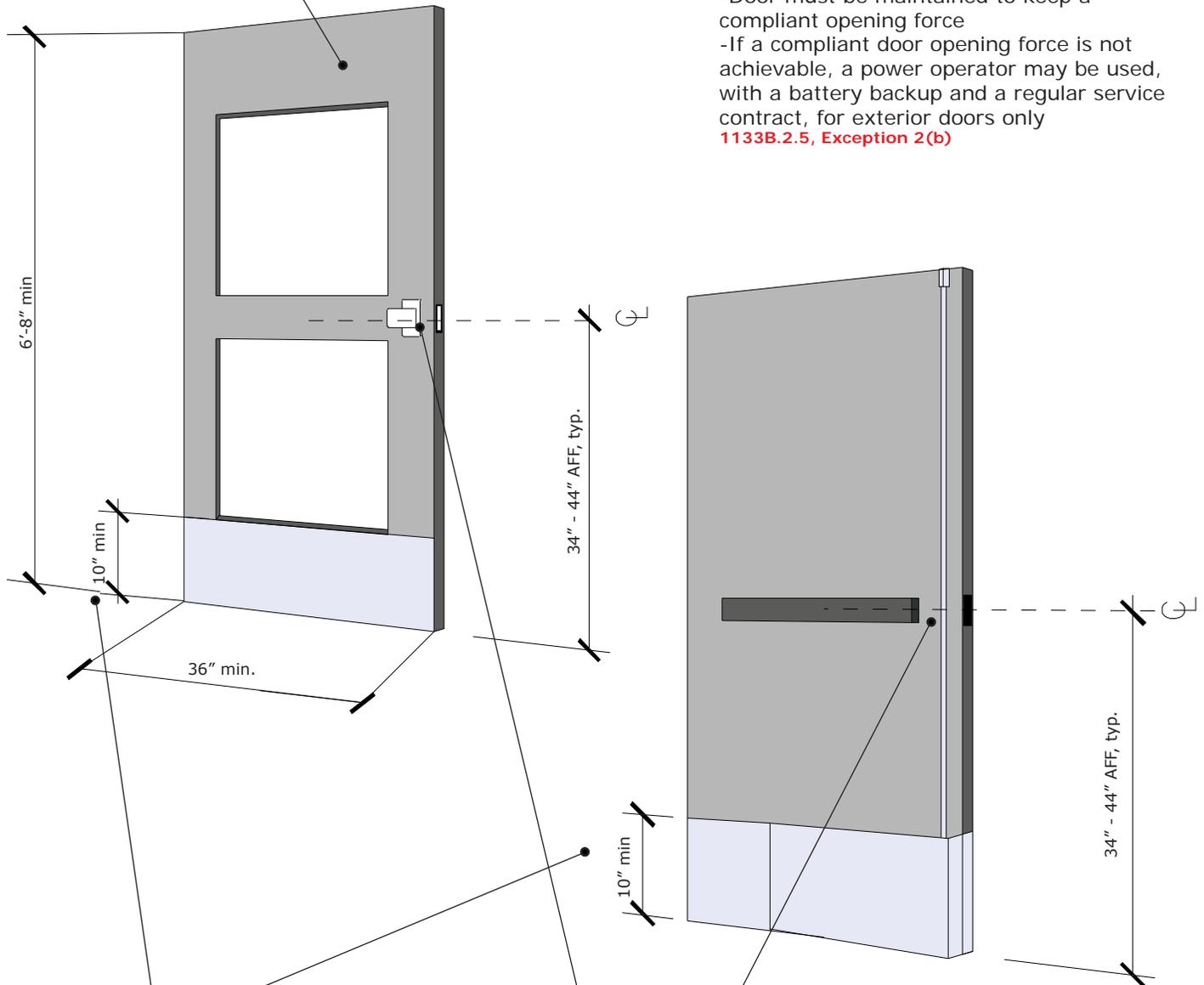
- Door size shall be min. 36" wide by min. 6'8" tall
- Mounted so that when opened 90 degrees, clear width is 32" min.
- Revolving doors are not permitted as part of an accessible route

### Door Opening Force

1133B.2.5, 404.2.9, 404.2.8

- Max. 5 lbs. of force to open all interior and exterior doors
- >5 lbs. may be used to ensure a fire door closes, but not >15 lbs. Use lowest pressure possible
- If door has a closer, it must take 5 seconds min. to swing from 90 degrees open to closed
- Door must be maintained to keep a compliant opening force
- If a compliant door opening force is not achievable, a power operator may be used, with a battery backup and a regular service contract, for exterior doors only

1133B.2.5, Exception 2(b)



### Kickplate

1133B.2.6, 404.2.10

- Bottom 10" min. from floor on all doors (except automatic and sliding doors) must be a smooth, uninterrupted surface on push side
  - Allows door to be opened by a wheelchair footrest
  - If infilling an existing door, make sure surfaces are flush so as not to create a trap or hazardous condition
- NOTE: Devices for holding a door open may be installed on the pull side of a door

### Door Hardware

1133B.2.5.2, 309.4

- Door hardware located between 34" and 44" above finished floor
- Operable with one hand, does not require tight grasping, pinching or twisting of the wrist to operate
- Lever-type hardware, panic bars, push-pull activating bars, and U-shaped handles are acceptable
- If there are actuator bars that run the height of the door, the bottom 10" must be protected by a kickplate that protrudes no more than 4" max from the face of the door, and does not create a trap or hazardous condition

# DOORS & THRESHOLDS

## Door Opening

1133B.2.2

-32" min. clear when door is open 90°

## Maneuvering Clearances at Doors

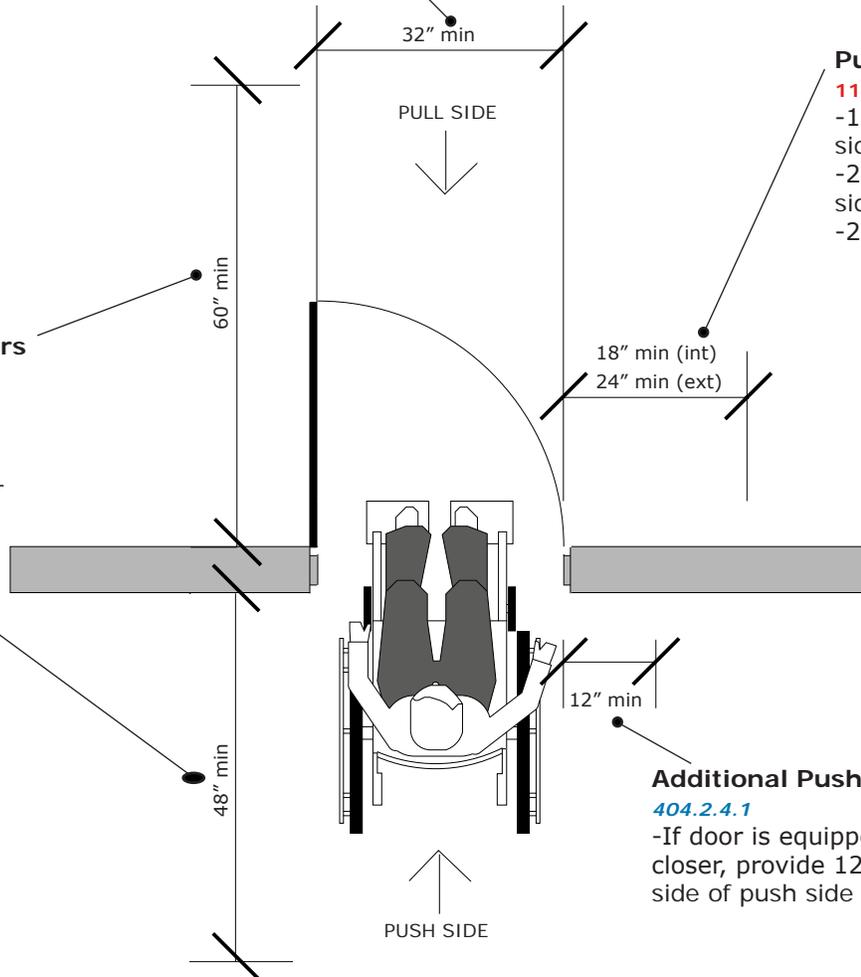
1133B.2.4.2

-60" min. clearance on pull side of door  
-48" min. clearance on push side of door

## Pull Side Clearance

1133B.2.4.3

-18" min. clearance on strike side for interior doors  
-24" min. clearance on strike side for exterior doors  
-24" min. preferred



18" min (int)  
24" min (ext)

## Additional Push Side Clearance

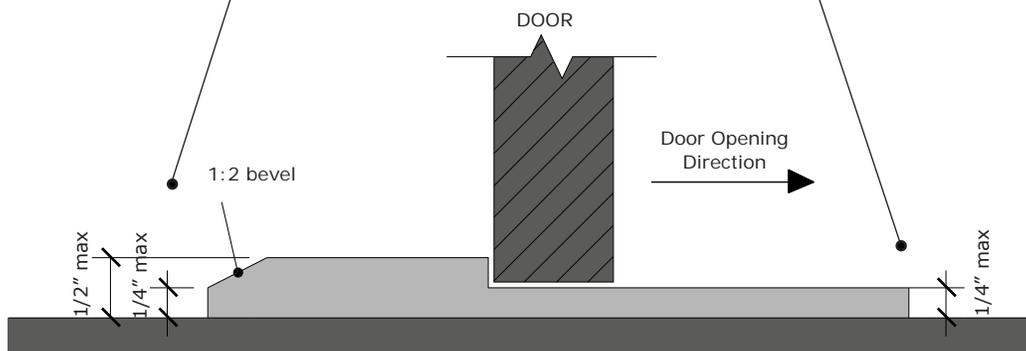
404.2.4.1

-If door is equipped with both a latch and closer, provide 12" min. clearance on strike side of push side of door

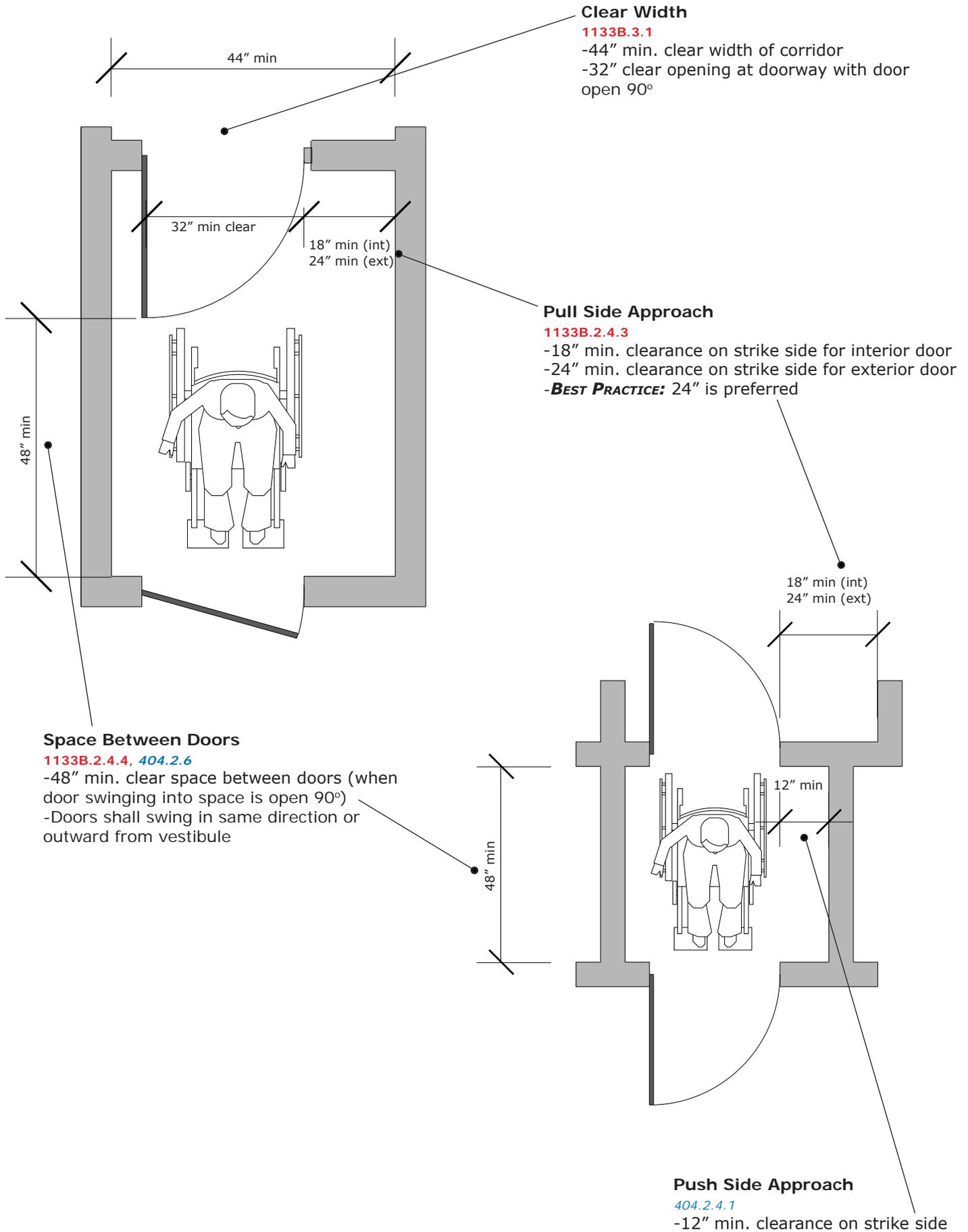
## Threshold

1133B.2.4.1, 404.2.5

-1/4" max. height AFF without bevel  
-1/2" max. height AFF with 1:2 sloped bevel between 1/4" and 1/2" height



# DOORS & VESTIBULES



## CORRIDORS

### Corridors (Longer than 200 ft.)

1133B.3.2

-60" min. clear width



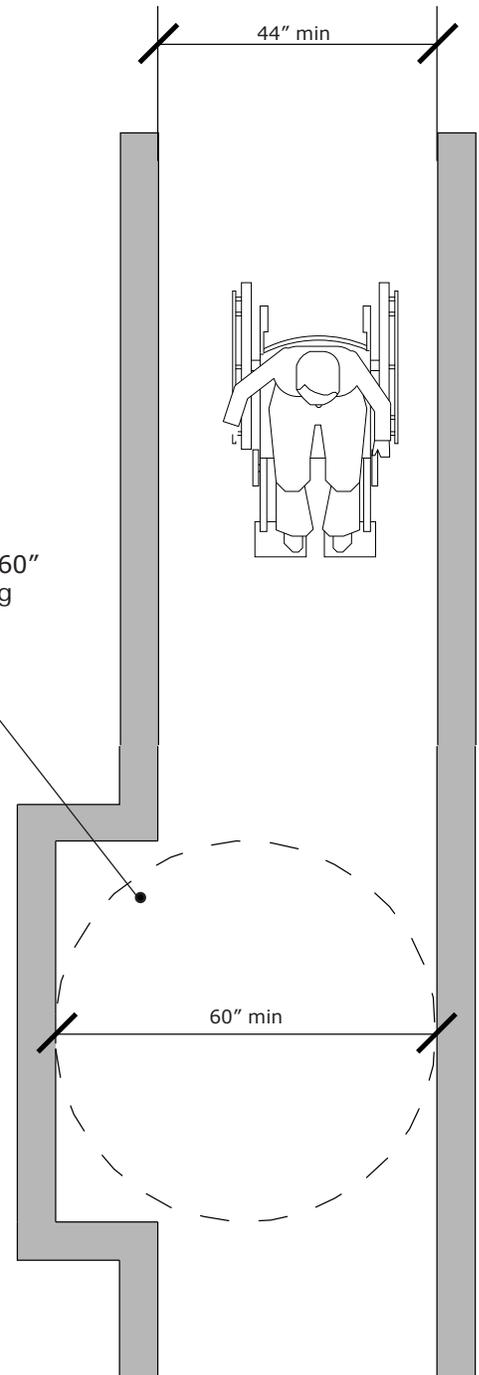
### Corridors (Less than 200 ft.)

1133B.3.1

-44" min. clear width

-36" min. clear width for buildings with occupancy loads < 10

-**BEST PRACTICE:** Even in occupancy loads of < 10, use 44" min. clear hall width because of difficulty for a person in a wheelchair making a 90° turn in narrower halls



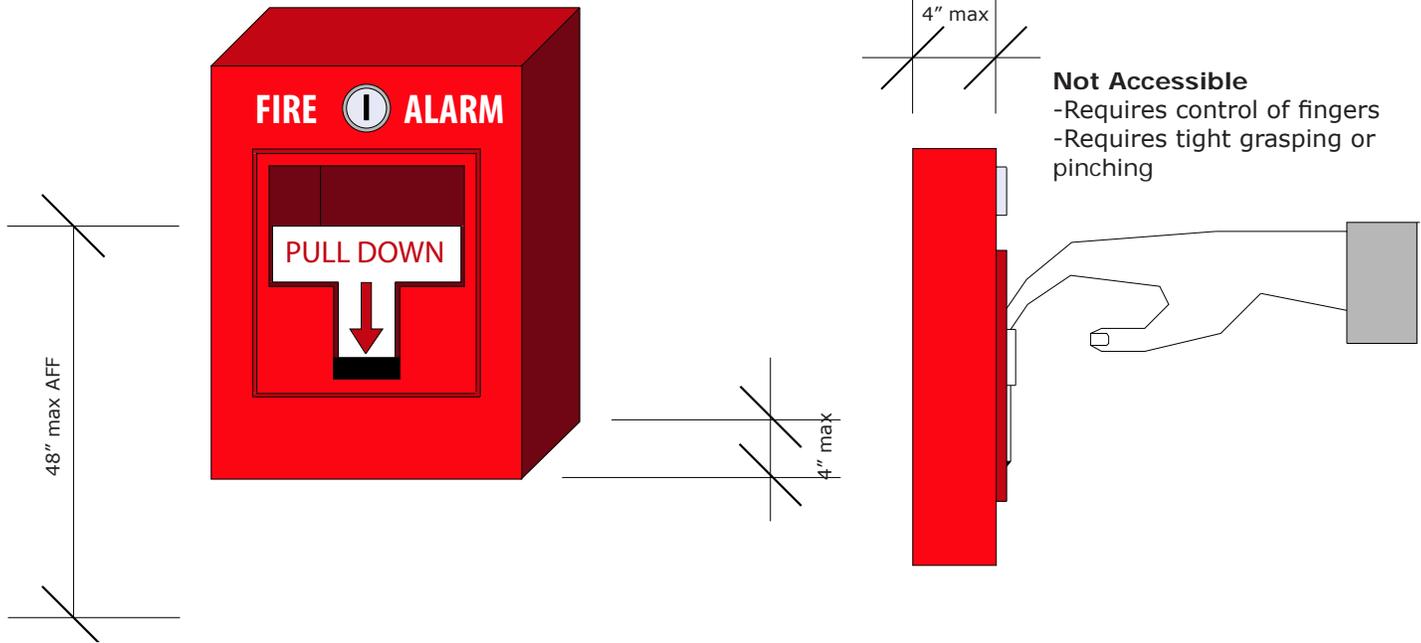
### Turn Around

1118B.2, 304.3.1

-If < 60" min. wide, provide a 60" min. diameter circle for turning around every 200 ft. min.

# FIRE ALARM PULL STATIONS

## Non-Accessible Fire Alarm Pull Station



### Mounting Height

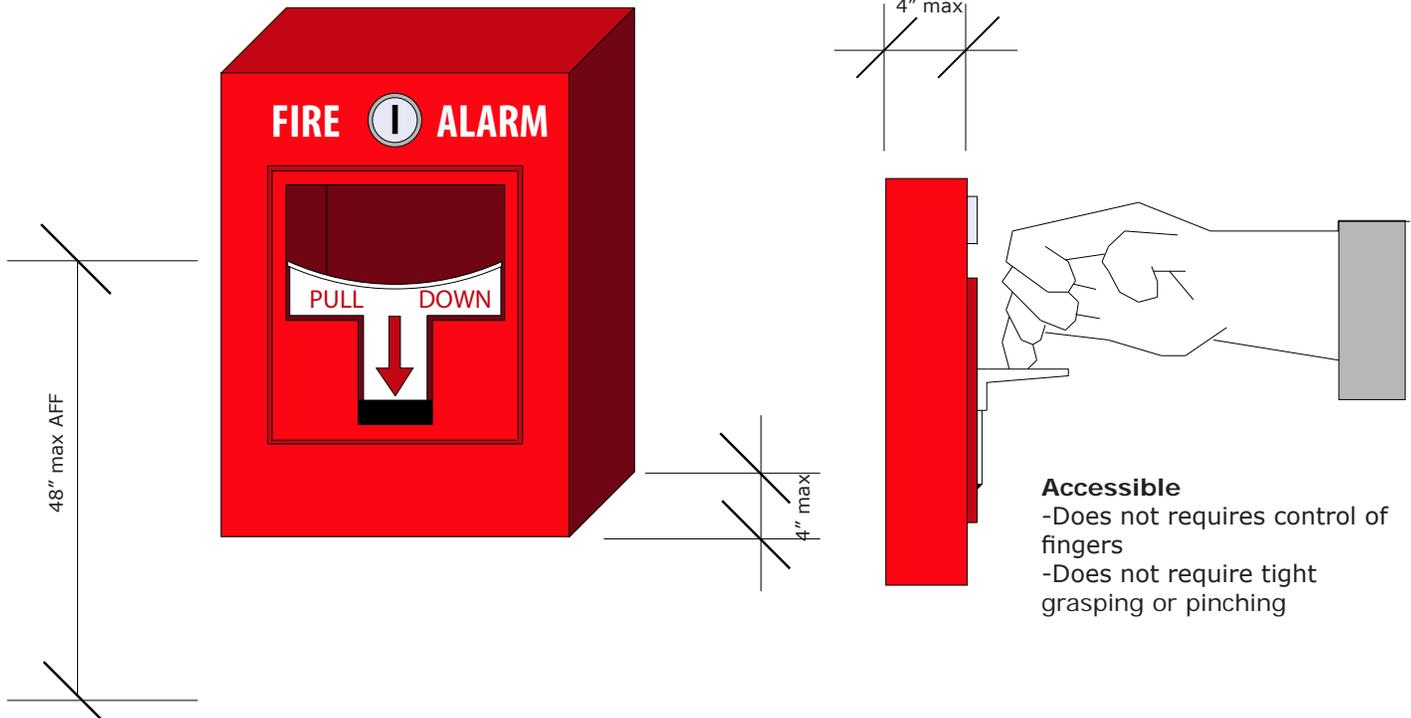
- 1118B.5, 1118B.6, 308.2.1, 308.3.1  
 -48" max. AFF to operable parts  
 -15" min. AFF

### Operable Parts

- 1117B.6.2, 1117B.6.4, 309.2, 309.4  
 -Operable with one hand  
 -No tight grasping, pinching, or twisting of the wrist  
 -5 lbs. max. force to activate operable parts  
 -30" x 48" min. clear floor space adjacent to fire alarm pull station

## Accessible Fire Alarm Pull Station

-The operable lever arm is replaced with one that can be easily operated with a closed fist, as shown at right



**Note:** Accessible fire alarm pull stations and retrofit kits are available from Simplex Grinnell.  
 #4099-9020 NO GRIP Addressable Single Action Manual Pull Station  
 #4099-9805 Actuator Retrofit Kit

### National Fire Alarm Code Requirements (NFPA 72)

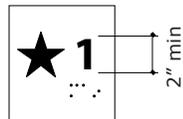
- Located in normal path of exit
- At least one station on each floor
- Not more than 200 ft. to nearest station from any point in the building

# ELEVATORS

## Floor Indication

1116B.1.14, 407.2.3.1

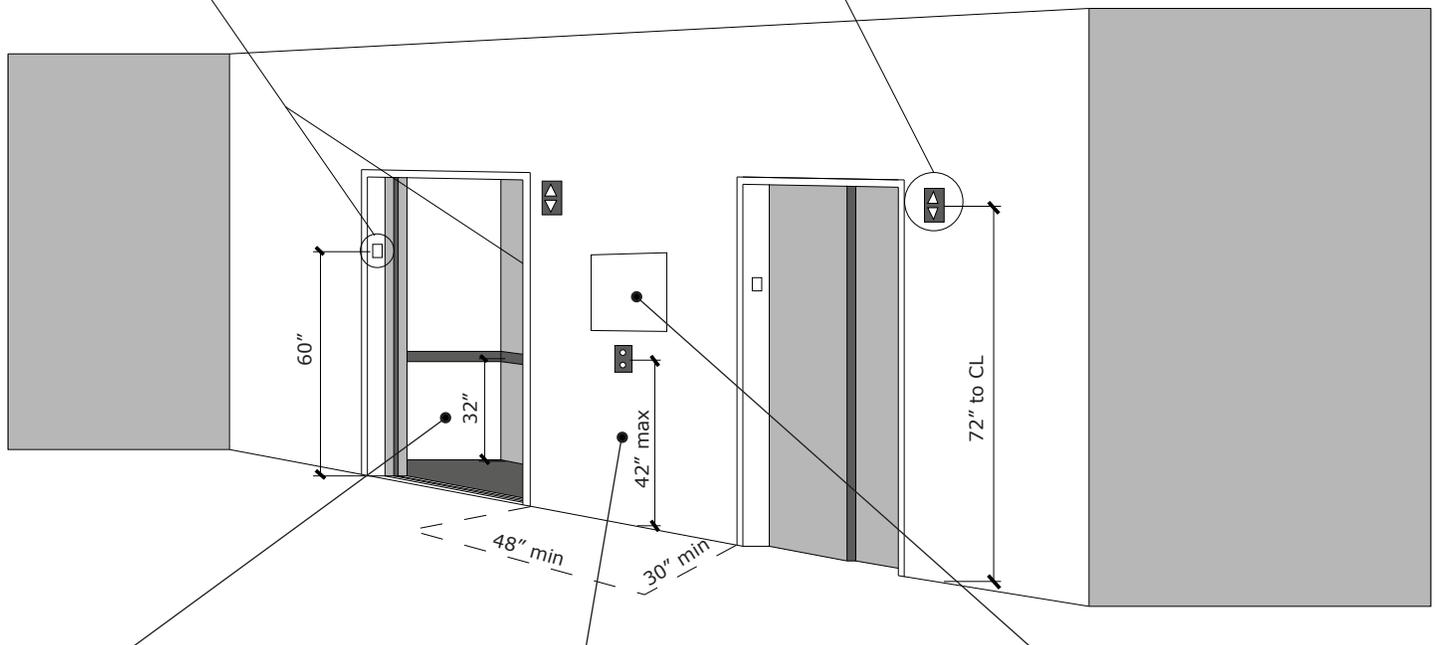
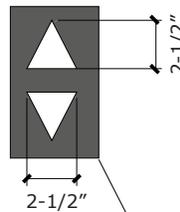
- On both door jambs on each floor
- Indicate floor using raised characters 2" high and Braille
- Main entry level indicated by a raised star, raised number, and "Main" in Braille
- 60" min. AFF to CL



## Hall Lantern

1116B.1.13, 407.2.2

- Visual and audible signal at each elevator entrance
- Visual signal 2-1/2" x 2-1/2" min. and visible from near call buttons
- Audible signal sounds once for "up" and twice for "down," or announce verbally
- 72" min. AFF to CL
- Audible signal for each floor passed



## Handrail

1116B.1.11

- Provide on one wall of elevator car, prefer rear wall
- 1-1/2" from wall surface
- 32" AFF

## Door Protective Re-opening Device

1116B.1.5, 407.3.3

- Capable of sensing an object or person in path of closing door at 5" and 29" AFF
- Requires no contact
- Doors re-open for min. 20 seconds before closing

## Call Buttons

1116B.1.10, 407.2.1

- 42" AFF to CL of hall call buttons
- Buttons 3/4" min. in smallest dimension, raised 1/8"
- Button designating "up" on top, "down" on bottom
- Internally illuminated white over entire surface of buttons
- BEST PRACTICE:** Leave a 30" x 48" min. clear floor space in front of the hall call buttons for people who use wheelchairs, other mobility devices, or service dogs

## Tactile Emergency Evacuation Sign

- See p. 26 for more info

## Destination Based Elevator Systems

- BEST PRACTICE:** Do not use destination based elevator systems that do not provide accessibility for all people, including those with visual or cognitive disabilities
- See City of San Francisco guidelines: <http://sfdbi.org/Modules/ShowDocument.aspx?documentid=338> or call the Department of Building Inspection at (415) 558-6088 or contact Thomas Fessler, Building Inspector, City of San Francisco, Access Division at [thomas.fessler@sfgov.org](mailto:thomas.fessler@sfgov.org) or (415) 575-6923

# ELEVATORS

## Door Protective Re-opening Device

1116B.1.5, 407.3.3

- Capable of sensing an object or person in path of closing door at 5" and 29" AFF
- Requires no contact
- Doors re-open for min. 20 seconds before closing

## Handrail

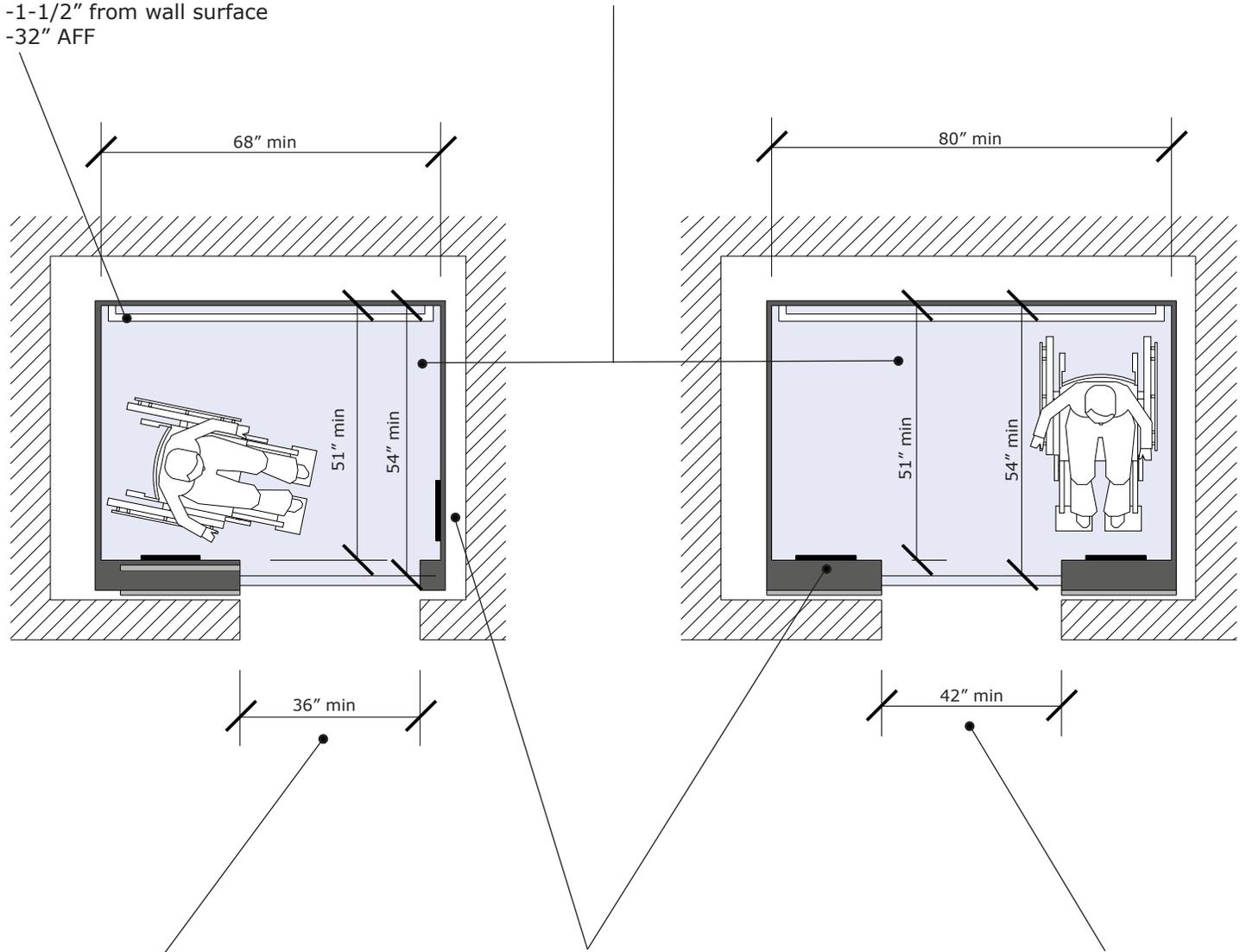
1116B.1.11

- Provide on one wall of elevator car, rear wall preferred
- 1-1/2" from wall surface
- 32" AFF

## Car Depth

1116B.1.8, 407.4.1

- 51" min. from rear wall to front wall
- 54" min. from rear wall to door



### Side Door Car

1116B.1.4, 1116B.1.8, 407.4.1

- Door 36" min. wide
- Car 68" min. wide

### Controls Location

1116B.1.8

- Front wall next to door
- OR
- In side opening cars, on side wall adjacent to door

### Centered Door Car

1116B.1.8, 407.4.1

- Door 42" min. wide
- Car 80" min. wide

## Destination Based Elevator Systems

-**BEST PRACTICE:** Do not use destination based elevator systems that do not provide accessibility for all people, including those with visual or cognitive disabilities  
 -See City of San Francisco guidelines:  
<http://sfdbi.org/Modules/ShowDocument.aspx?documentid=338> or call the Department of Building Inspection at (415) 558-6088  
 or contact Thomas Fessler, Building Inspector, City of San Francisco, Access Division at [thomas.fessler@sfgov.org](mailto:thomas.fessler@sfgov.org) or (415) 575-6923

# ELEVATOR CONTROLS

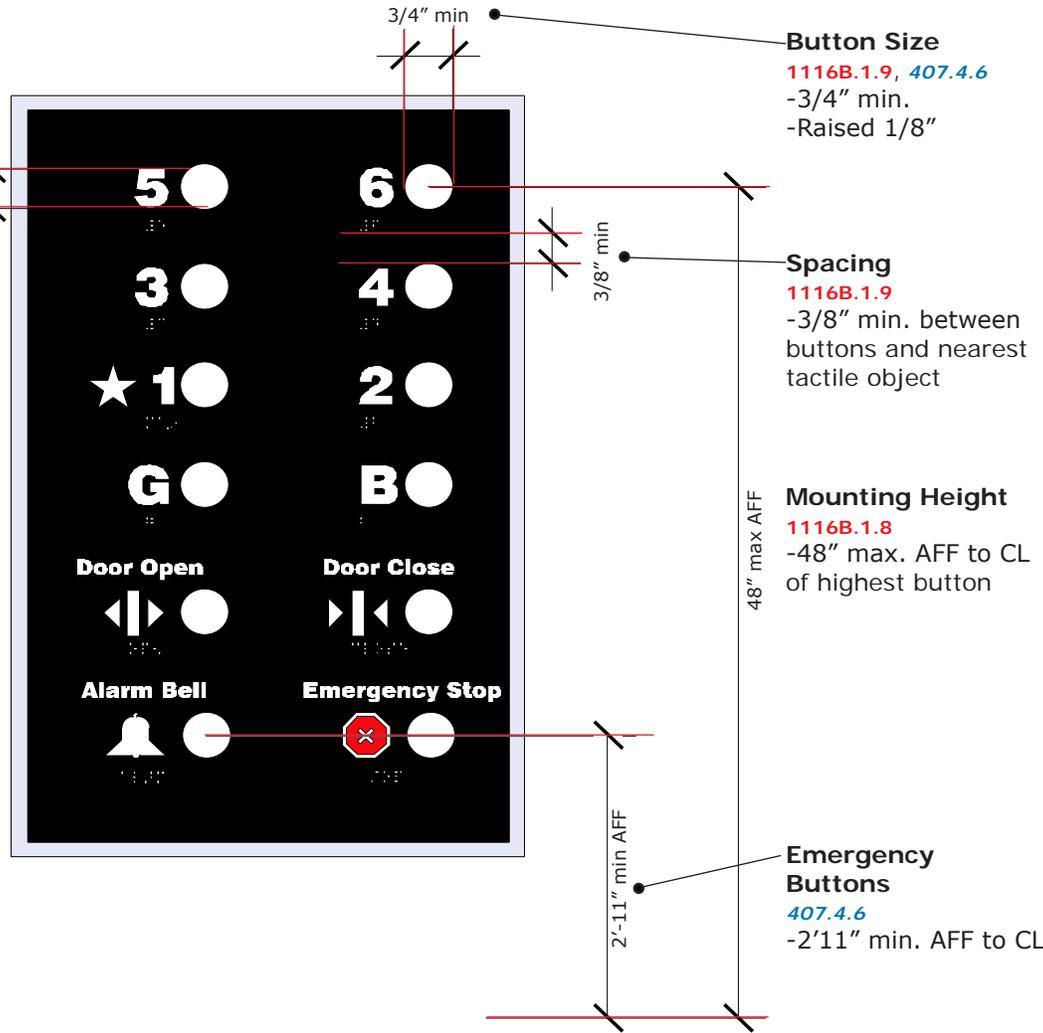
## Characters

- 1116B.1.9
- 5/8" min. high
- Raised
- Immediately to the left of buttons
- Braille directly below
- White on black background

## Destination Based Elevator Systems

**-BEST PRACTICE:** Do not use destination based elevator systems that do not provide accessibility for all people, including those with visual or cognitive disabilities

-See City of San Francisco guidelines:  
<http://sfdbi.org/Modules/ShowDocument.aspx?documentid=338>  
 or call the Department of Building Inspection at (415) 558-6088 or contact Thomas Fessler, Building Inspector, City of San Francisco, Access Division at [thomas.fessler@sfgov.org](mailto:thomas.fessler@sfgov.org) or (415) 575-6923



## Button Size

- 1116B.1.9, 407.4.6
- 3/4" min.
- Raised 1/8"

## Spacing

- 1116B.1.9
- 3/8" min. between buttons and nearest tactile object

## Mounting Height

- 1116B.1.8
- 48" max. AFF to CL of highest button

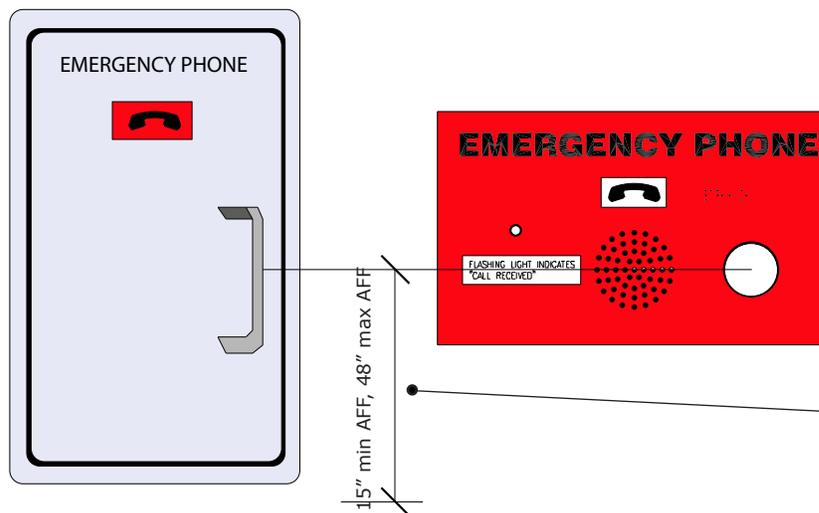
## Emergency Buttons

- 407.4.6
- 2'11" min. AFF to CL

## Emergency Phone

- When phone is housed in an enclosure or cabinet, ensure that opening mechanism does not require tight grasping, pinching, or twisting

**-BEST PRACTICE:** A loop that can be used with one closed fist or a push-to-open type door is recommended



## Mounting Height

- 1116B.1.8
- 48" max. AFF to CL of highest operable part
- 15" min. AFF

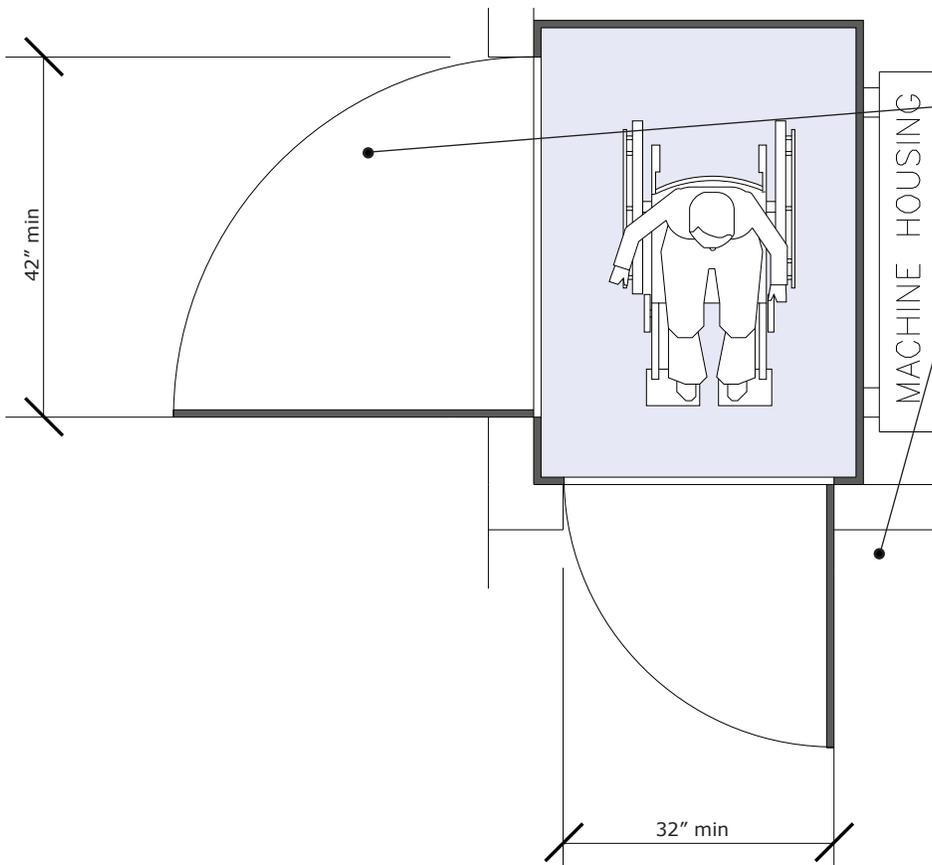
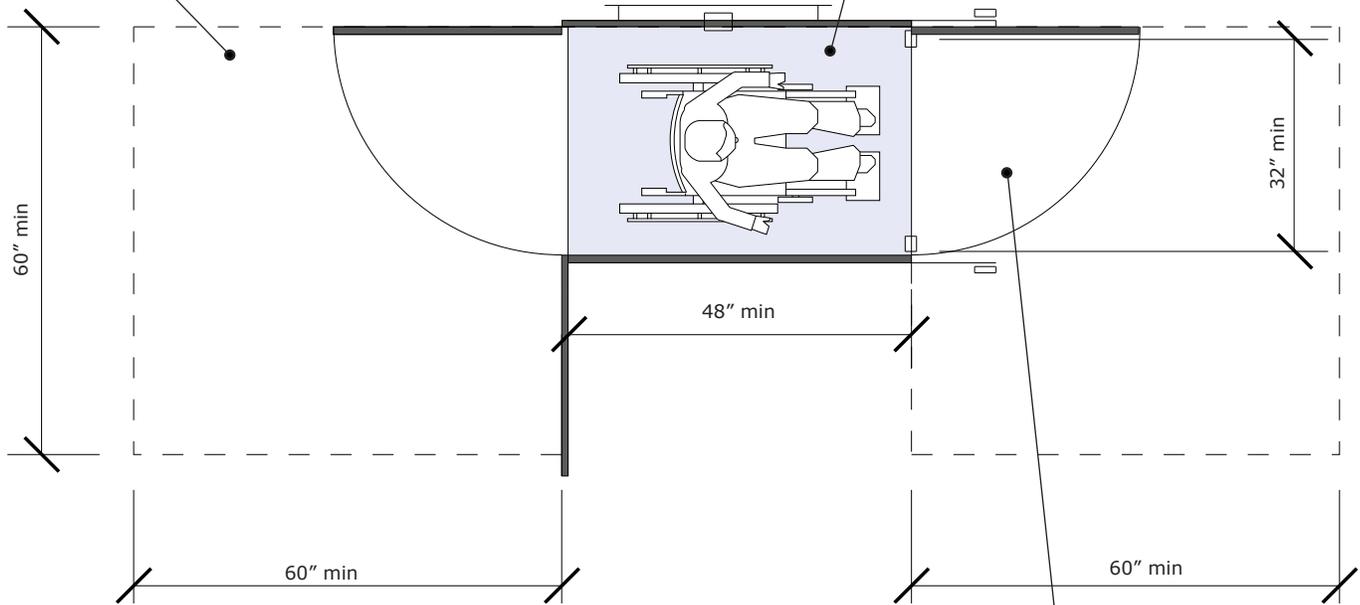
# WHEELCHAIR LIFTS

**Landings**

**1116B.2.3**  
 -60" x 60" level landings at bottom and top of lift

**Platform**

**410.3**  
 -48" x 32" min. platform



**Door Sizes**

**1116B.2.6, 410.6**  
 -42" min. side door  
 -32" min. front door  
 -Use of a platform lift cannot require that a person using a wheelchair back out of the lift unless there is a power operator on the doors

**Maintenance**

**1116B.2.5.1, 410.1**  
 -Platform lifts shall have a yearly service contract, with a signed & dated log of weekly tests  
 -Platform lifts shall provide a self-recharging battery backup in case of a power failure  
**-BEST PRACTICE:** Include Emergency Phone in all platform lifts (See p. 24)

## EMERGENCY EVACUATION SIGNS

### Raised Characters

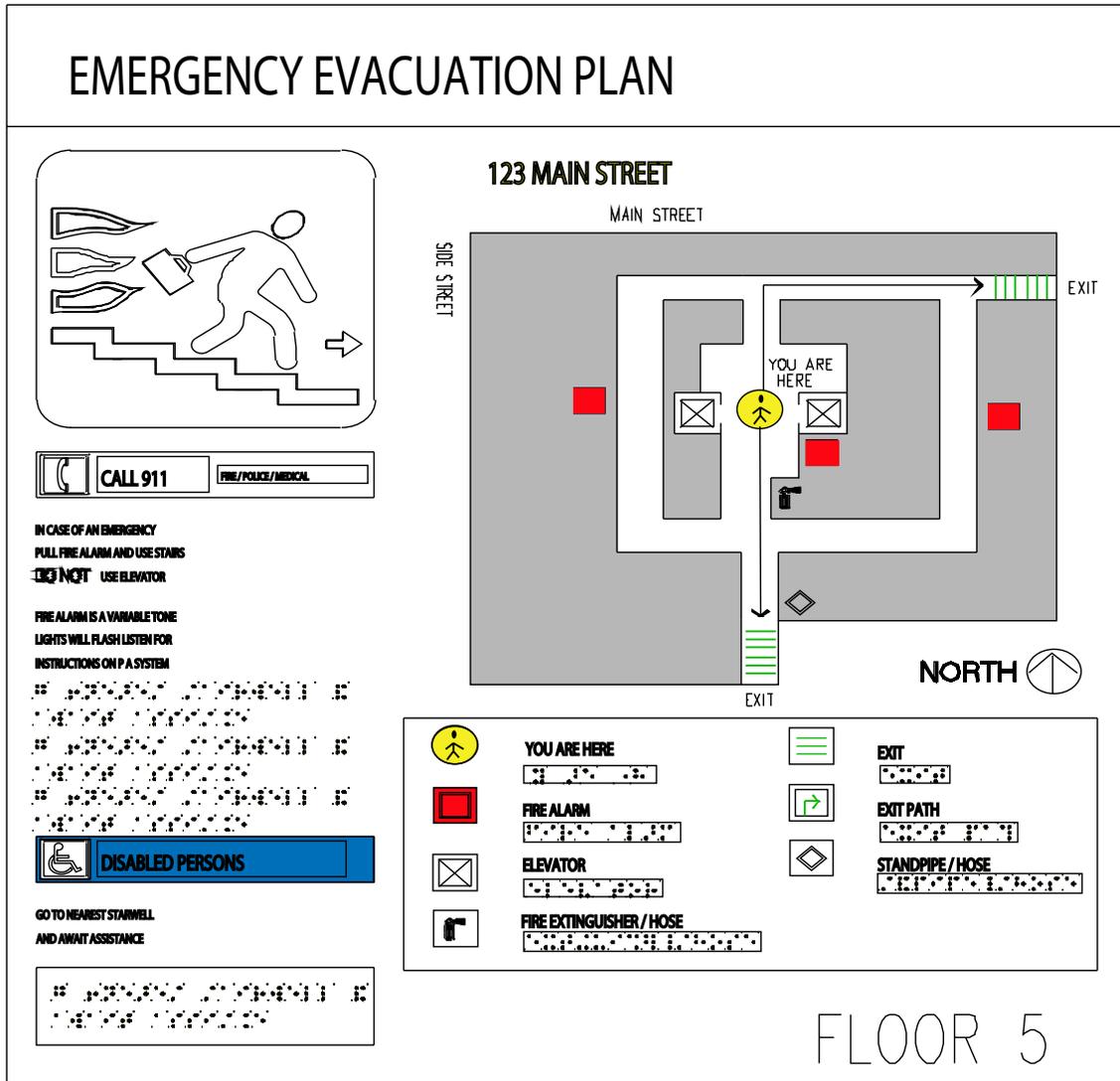
1117B.5.5, 703.2

- Duplicated in Braille
- 1/32" min. above background
- Uppercase
- Sans serif font (not italic, oblique, script, decorative or unusual)
- Height of characters: 5/8" min. to 2" max.

### Visual Characters

1117B.5.2, 703.5

- Non-glare finish
- Contrast (light-on-dark or dark-on-light)
- 40" min. AFF



### Braille

1117B.5.5, 1117B.5.6, 703.3

- Use contracted (Grade 2) Braille
- Below corresponding text
- Separated 3/8" min. (1/2" max.) from any other tactile character, raised borders and decorative elements

### Mounting

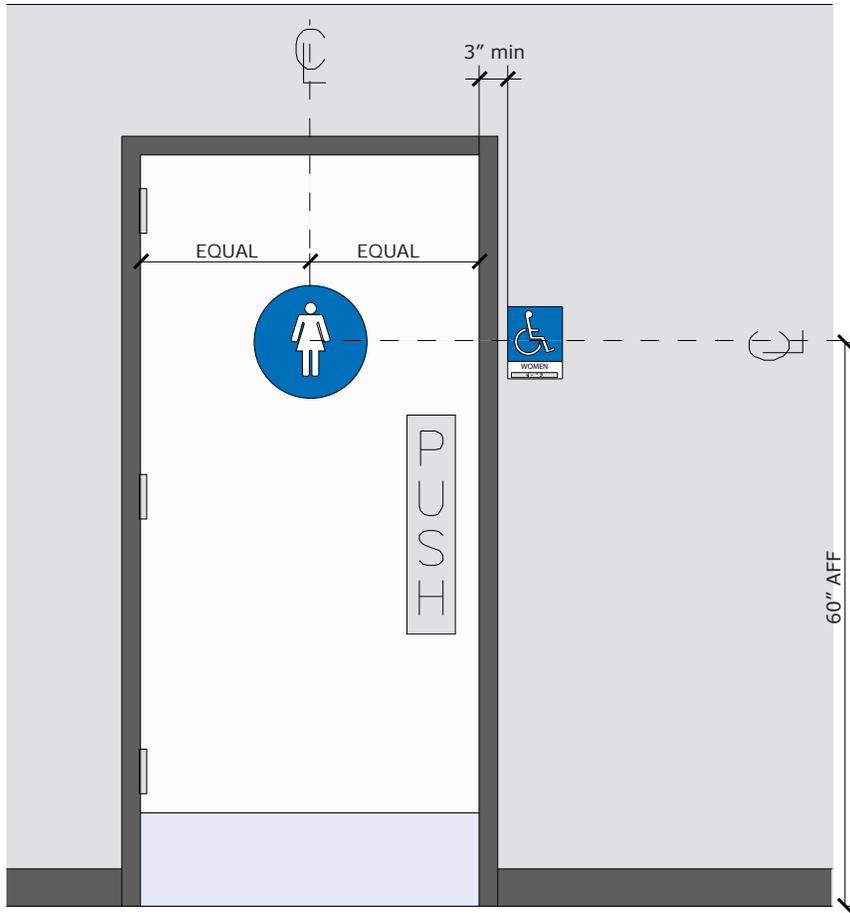
703.4

- 48" min. AFF to baseline of lowest tactile element
- 60" max. AFF to baseline of highest tactile element
- Posted at all required exit stairs, every elevator landing, and inside public entrances to large, multi-storied and/or multi-roomed buildings

### General

- Make the info available to everyone, regardless of ability
- See California Code of Regulations, Title 19, Section 3.09 or the City of San Francisco for more info
- The sign above is based on San Francisco design policy, and is not mandated to look like this or follow this format by state or federal accessibility regulations. The requirements listed are those for signs in general and the design reflects one option for applying those requirements.

# RESTROOM SIGNS



### Placement

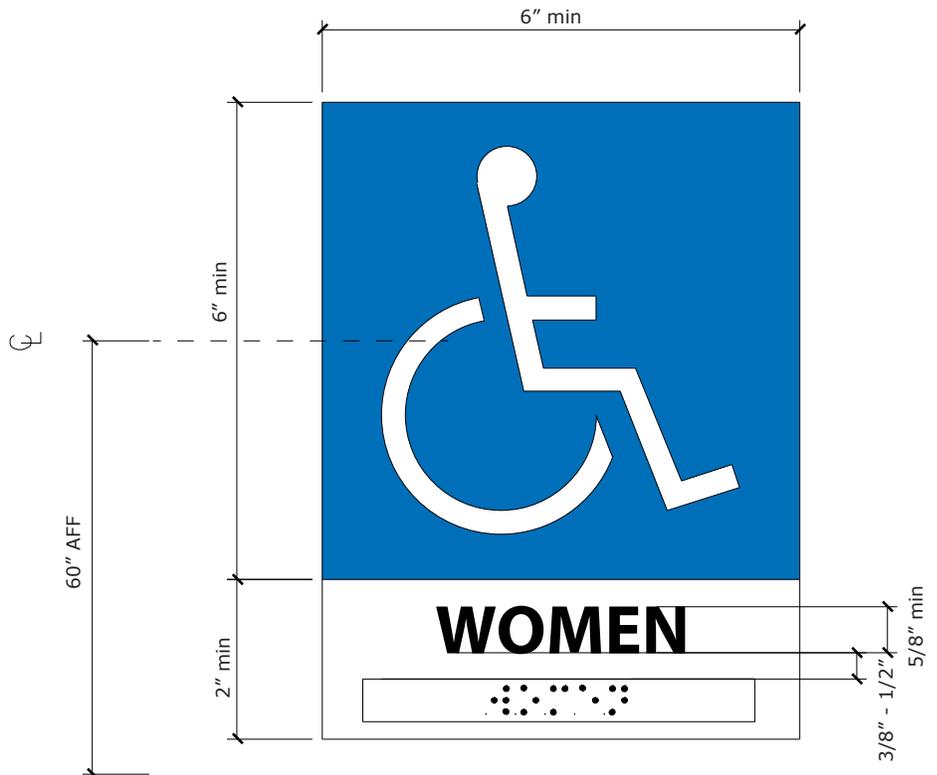
1117B.5.7, 1115B.6, 703.2, 703.4.1

- Geometric symbol shall be placed along the horizontal centerline of restroom door
- Room ID sign and geometric symbol centerlines at 60" AFF
- Room ID sign 3" min. outside door swing on wall on latch side of door
- Geometric symbol shall contrast door (light-on-dark or dark-on-light, blue is typ.)
- See p. 28 for more info

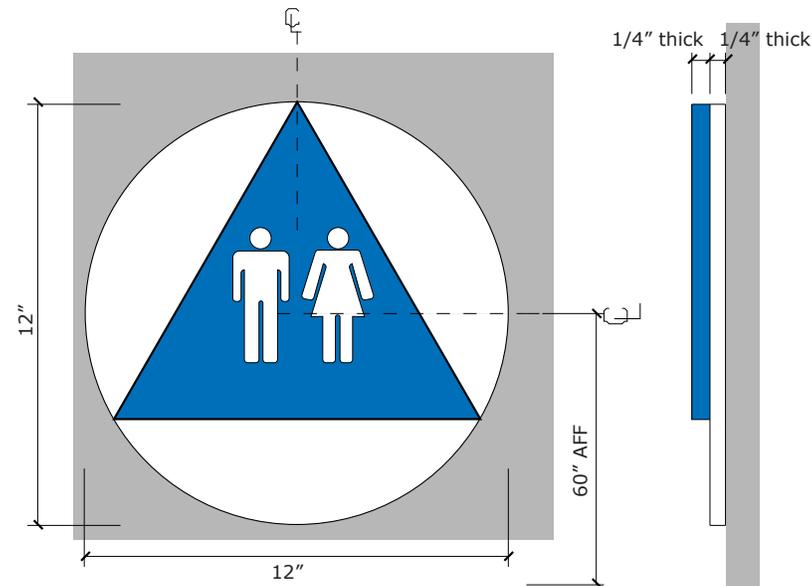
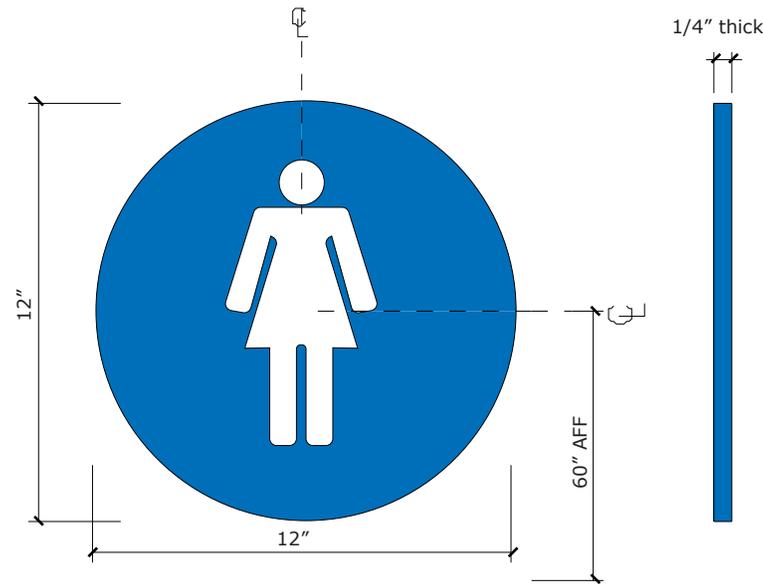
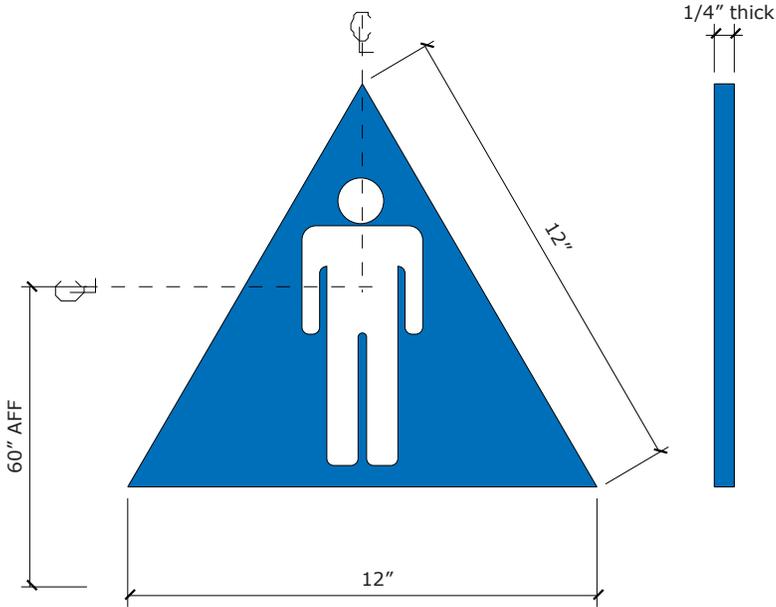
### Room ID Sign

1117B.5.5, 1117B.5.6, 703.4.1

- 60" AFF to CL of pictogram area on sign
- 60" max. AFF to baseline of highest tactile character
- 6" min. pictogram area outside dimension, accompanied by text description and Braille directly below
- 2" min. text and Braille area below
- Text:
  - 5/8" min. character height (2" max)
  - Raised 1/32" min.
  - Sans serif uppercase characters
  - Horizontal format
- Braille:
  - Contracted (Grade 2) Braille
  - Dots 1/10" apart on center in each cell
  - 2/10" space between cells
  - Dots raised 1/40" min.
  - Dots shall be domed or rounded
- Characters and symbols contrast with background (light-on-dark or dark-on-light)



## RESTROOM SIGNS



### Geometric Identification Symbols

#### 1115B.6

- Doors leading to sanitary facilities marked with geometric symbols
- Geometric symbols should be placed at ALL restrooms to identify gender (accessible or not)
- ISA only used at accessible restrooms
- Centered horizontally on door at 60" AFF to the centerline
- Corners have min. 1/8" radius
- Ease edges of sign
- Men's Room: equilateral triangle, 1/4" thick, edges 12" long, vertex pointing upward
- Women's Room: Circle, 1/4" thick, 12" diameter
- Unisex Room: Circle, 1/4" thick, 12" diameter, with a 1/4" thick triangle superimposed within the 12" diameter
- All symbols contrast light on dark, or dark on light, and contrast with door surface
- BEST PRACTICE:** no raised characters, symbols, or Braille on geometric symbols [tactile information should be placed on sign at the strike side of door (See p. 27 for more info)]

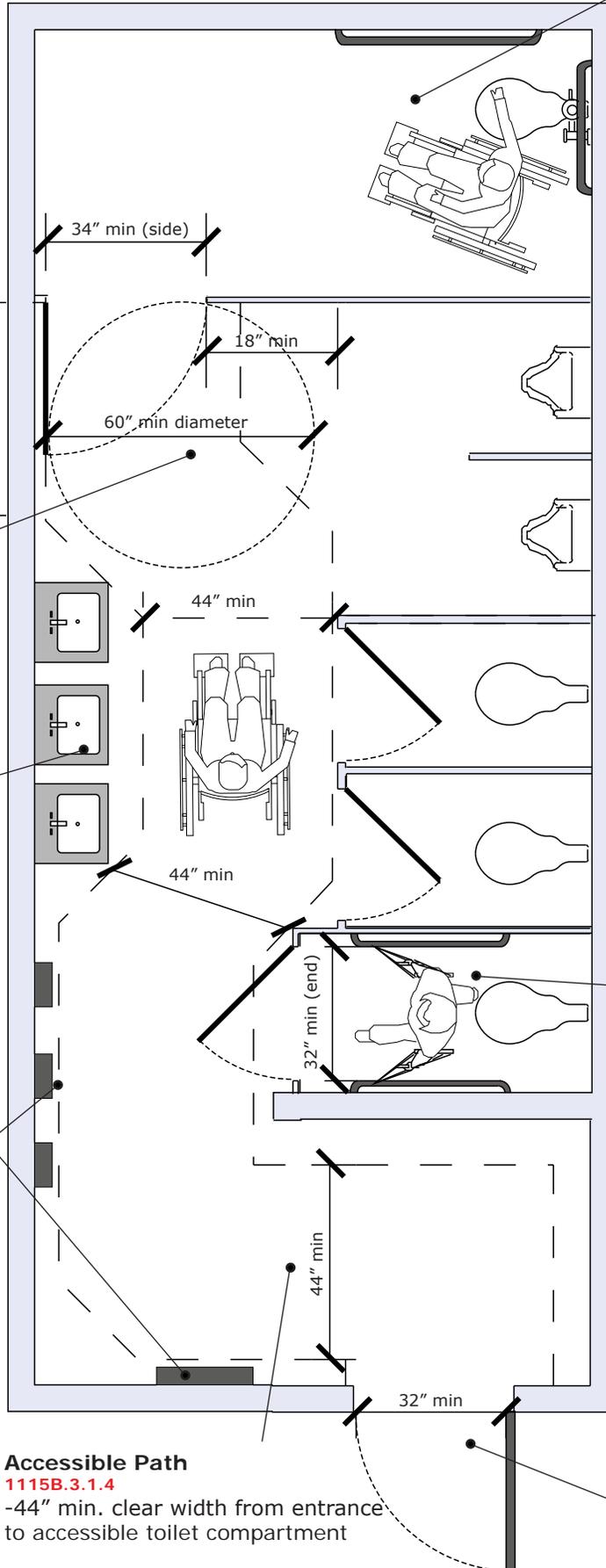
# TOILET FACILITIES

**Clear Space by Door**  
**1115B.3.1.4**  
 -48" min clear space in front of stall door

**Turning Space**  
**1115B.3.1.4**  
 -60" min diameter clear turning space

**Lavatories**  
**1115B3.1.3**  
 -5% min (but not <1) accessible  
 -30" x 48" clear floor space  
 -See p. 37 for more info

**Restroom Fixtures**  
 -See p. 36 for more info



**Wheelchair Accessible Stall**  
**1115B.3.1, 1115B.4.1, 604.3, 604.8.1**  
 -Min. 1 wheelchair accessible stall  
 -Automatic-closer on stall door  
 -34" wide door (side entrance) OR  
 -32" wide door (end entrance)  
 -18" min. clear space on strike side of door  
 -See p. 30-31 for more info

**Urinals**  
 -See p. 33 for more info

**Ambulatory Accessible Stall**  
**1115B.3.1.5, 604.8.2**  
 -Where there are 6+ stalls, provide at least 1 ambulatory accessible stall  
 -Outward swinging door  
 -Parallel grab bars  
 -See p. 32 for more info

**Accessible Path**  
**1115B.3.1.4**  
 -44" min. clear width from entrance to accessible toilet compartment

**Door**  
**1133B.3.1**  
 -32" min. clear width

# TOILET STALLS, WHEELCHAIR ACCESSIBLE, SIDE ENTRY

**General**

1115B.1, 213.1

- All multi-user toilet rooms must have at least 1 wheelchair accessible stall
- On accessible route

**Side Grab Bar**

1115B.4.3, 604.5.1

- Provide grab bar on closest side wall
- 42" min. length
- 12" max. from rear wall to near end of grab bar
- 54" min. from rear wall to far end of grab bar

**Toilet**

1115B.4.1, 604.2

- 18" from CL of toilet to side wall

**Flush Controls**

1115B.4.1, 604.2

- On wide side of toilet
- Hand activated or automatic
- If hand activated, must be operable with one hand, max. 5 lbs. force, and no grasping, pinching, or twisting of the wrist

**Rear Grab Bar**

1115B.4.3, 604.5.2

- Provide grab bar on rear wall
- 36" min. length
- 24" min. from CL of toilet to one side, 12" min. from CL of toilet to the other side

**Door**

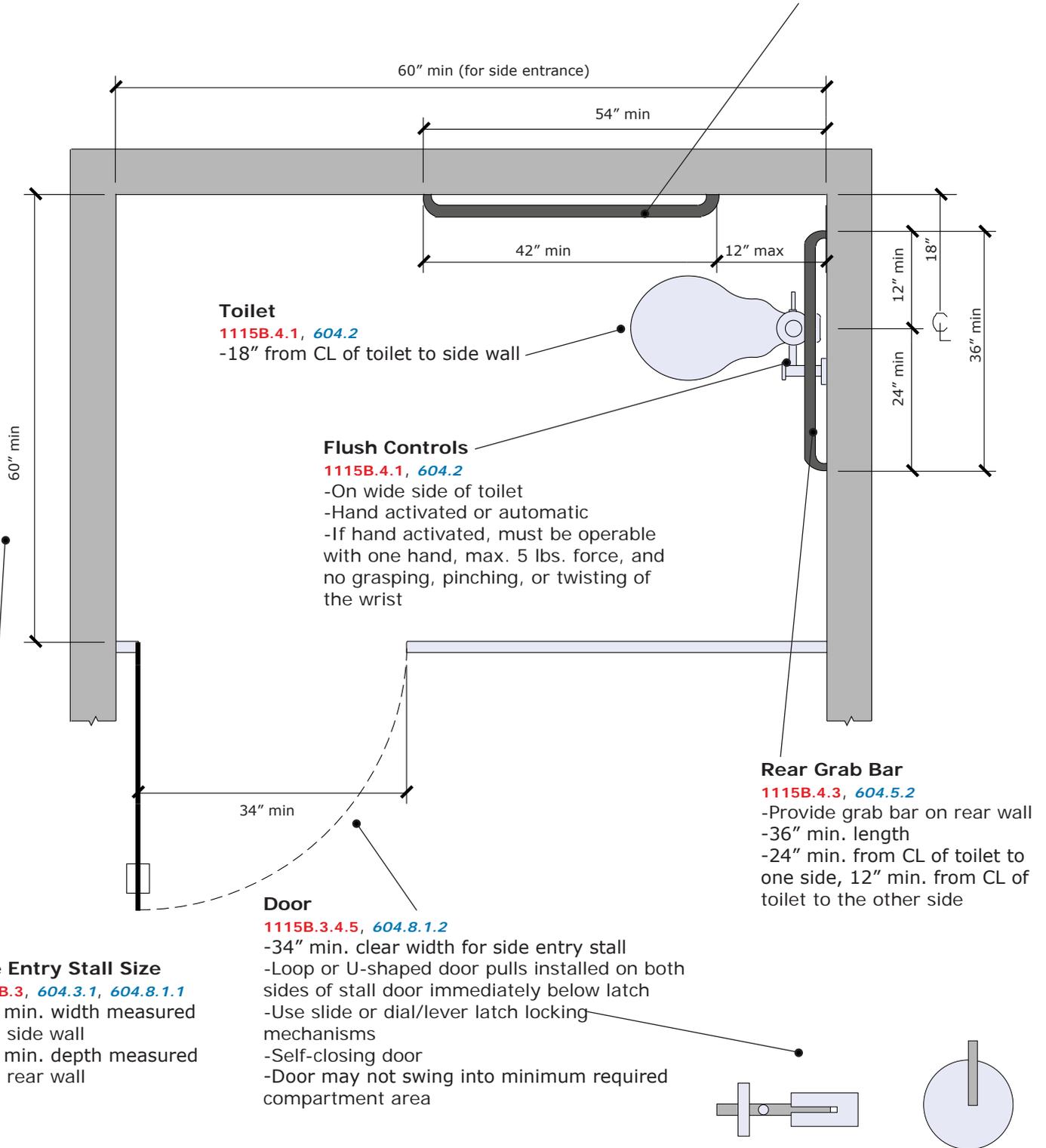
1115B.3.4.5, 604.8.1.2

- 34" min. clear width for side entry stall
- Loop or U-shaped door pulls installed on both sides of stall door immediately below latch
- Use slide or dial/lever latch locking mechanisms
- Self-closing door
- Door may not swing into minimum required compartment area

**Side Entry Stall Size**

1115B.3, 604.3.1, 604.8.1.1

- 60" min. width measured from side wall
- 60" min. depth measured from rear wall



# TOILET STALLS, WHEELCHAIR ACCESSIBLE, END ENTRY

## General

1115B.1, 213.1

- All multi-user toilet rooms must have at least 1 wheelchair accessible stall
- On accessible route

## Rear Grab Bar

1115B.4.3, 604.5.2

- Provide grab bar on rear wall
- 36" min. length
- 24" min. from CL of toilet to one side, 12" min. from CL of toilet to the other side

## Side Grab Bar

1115B.4.3, 604.5.1

- Provide grab bar on closest side wall
- 42" min. length
- 12" max. from rear wall to near end of grab bar
- 54" min. from rear wall to far end of grab bar

## Flush Controls

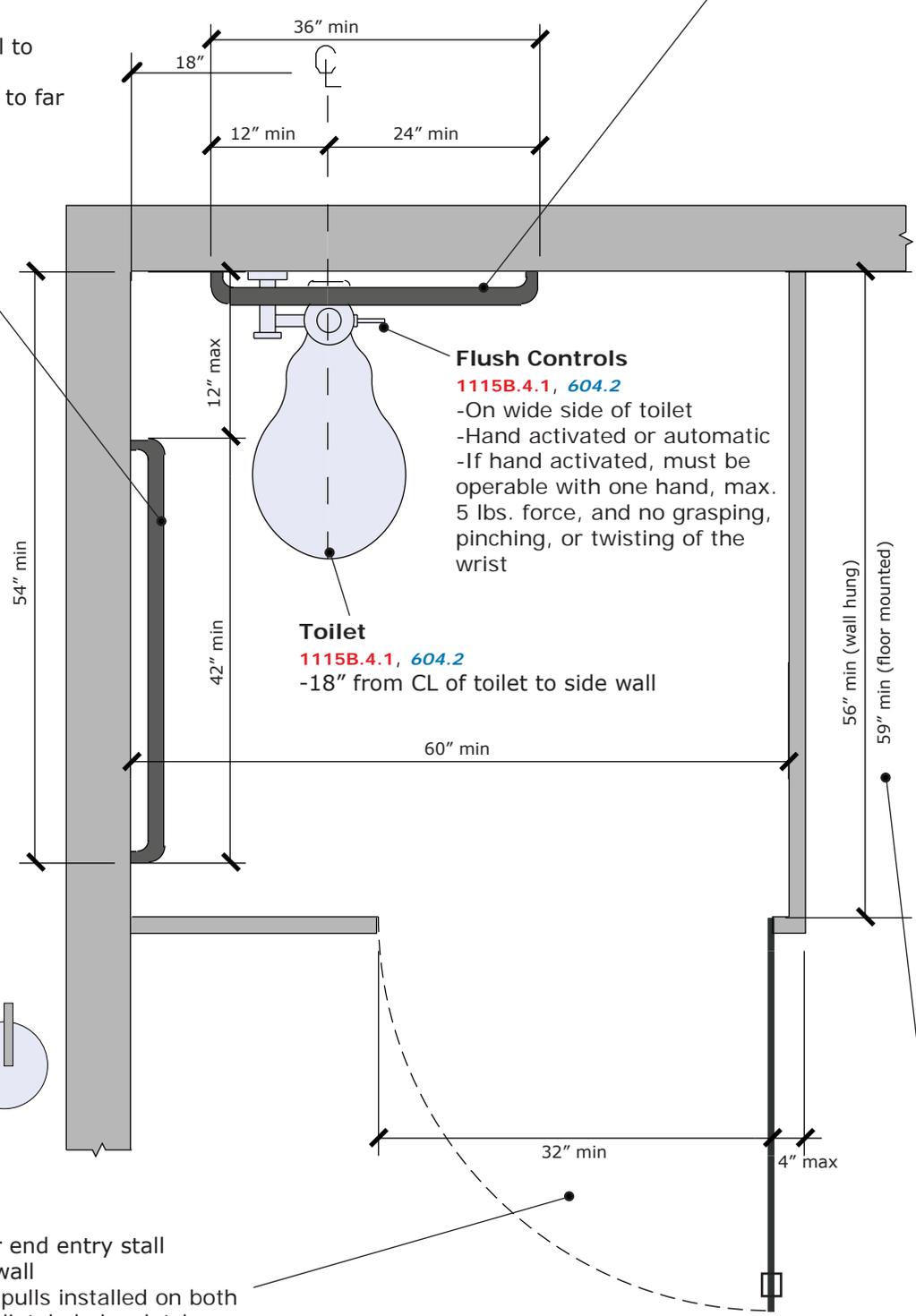
1115B.4.1, 604.2

- On wide side of toilet
- Hand activated or automatic
- If hand activated, must be operable with one hand, max. 5 lbs. force, and no grasping, pinching, or twisting of the wrist

## Toilet

1115B.4.1, 604.2

- 18" from CL of toilet to side wall



## Door

1115B.3.4.5, 604.8.1.2

- 32" min. clear width for end entry stall
- 4" max. from hinge to wall
- Loop or U-shaped door pulls installed on both sides of stall door immediately below latch
- Use slide or dial/lever latch locking mechanisms
- Self-closing door
- Door may not swing into minimum required compartment area

## End Entry Stall Size

1115B.3, 604.3.1, 604.8.1.1

- 60" min. width measured from side wall
- 56" min. (wall hung toilet) or 59" min. (floor mounted toilet) depth measured from rear wall

# TOILET STALLS, AMBULATORY ACCESSIBLE

## General

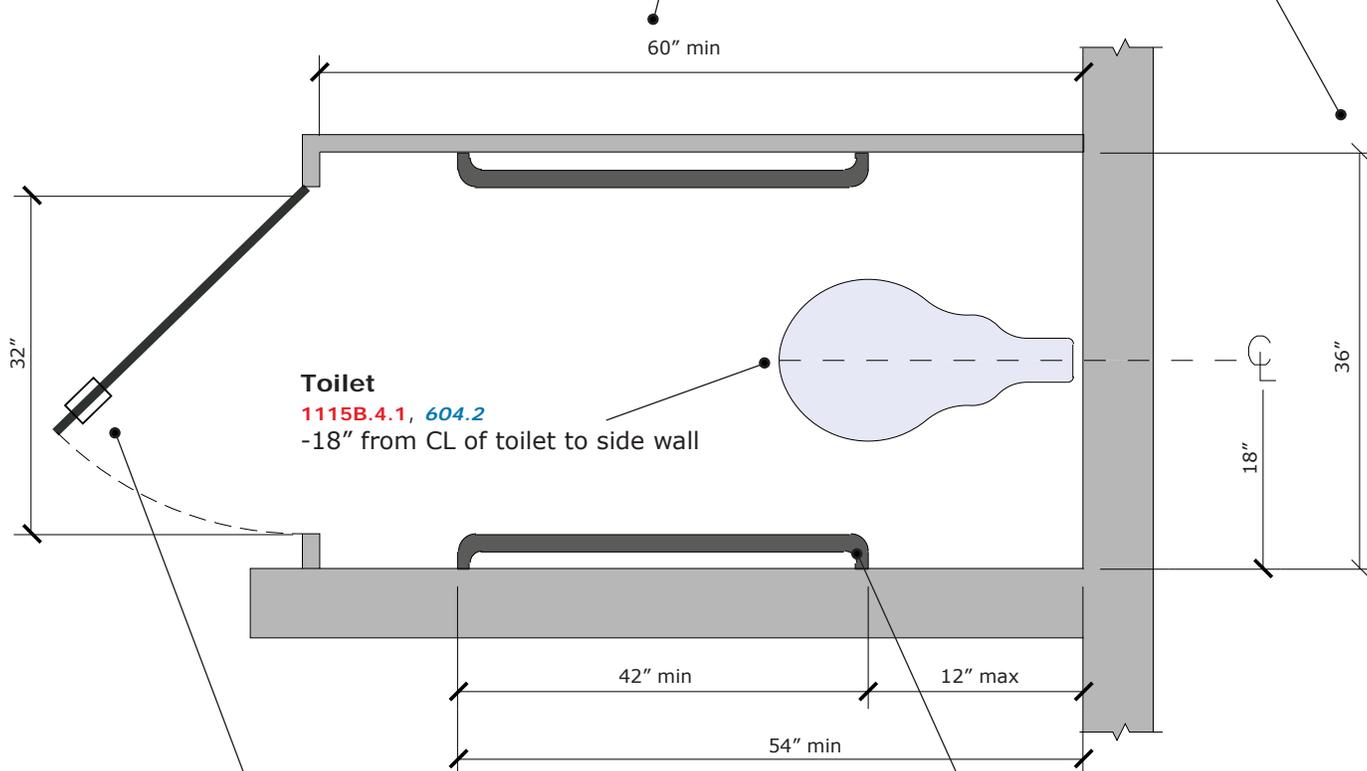
1115B.3.5, 213.3.1

- Where there are more than 6 stalls (toilets and/or urinals), at least one must be an ambulatory accessible stall
- On accessible route

## Stall Size

1115B.3.5, 604.8.2.1

- 60" min. depth measured from rear wall
- 36" width between side walls or partitions



## Toilet

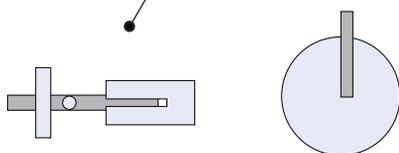
1115B.4.1, 604.2

- 18" from CL of toilet to side wall

## Door

1115B.3.4.5, 604.8.2

- 32" min. clear width
- Loop or U-shaped door pulls installed on both sides of stall door immediately below latch
- Use slide or dial/lever latch locking mechanisms
- Self-closing door
- Door may not swing into minimum required compartment area



## Side Grab Bar

1115B.4.3, 604.5.1, 604.8.2.3

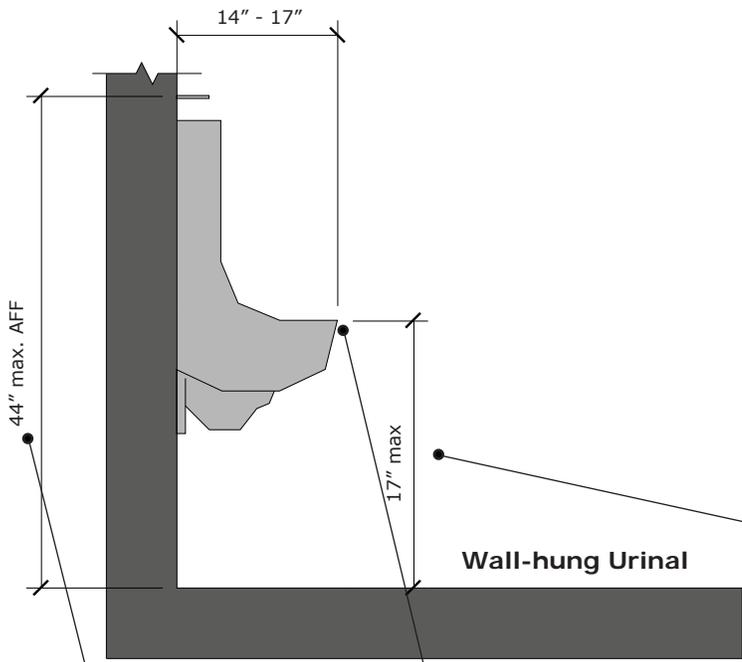
- Provide grab bars on both side walls or partitions
- 42" min. length
- 12" max. from rear wall to near end of grab bar
- 54" min. from rear wall to far end of grab bar

# URINALS

## General

1115B.4.2.1, 213.3.3

- Urinals should be wall-hung or stall type
- On accessible route
- Where more than 1 urinal is provided, at least 1 shall be accessible



## Mounting Height

1115B.4.2.1, 605.2

- 17" max. AFF to top of rim

## Flush Controls

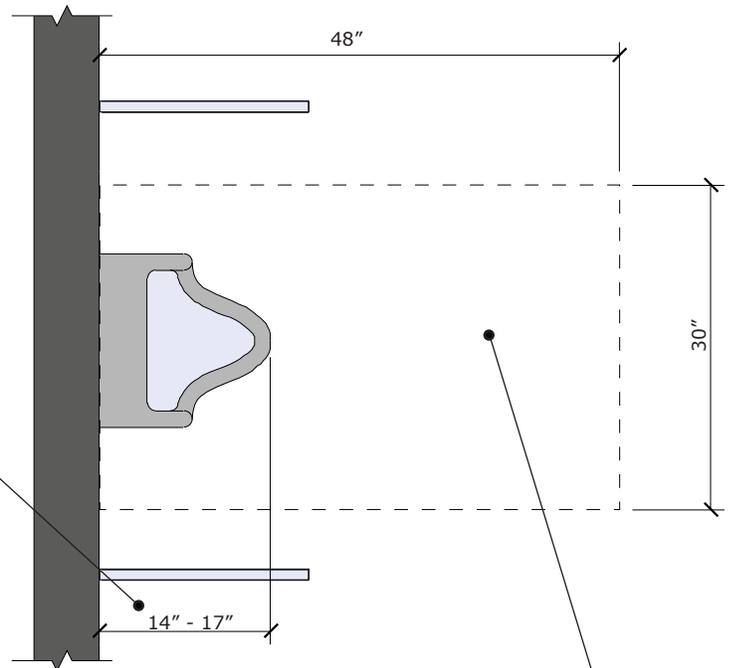
1115B.4.2.2, 605.4

- 44" max. AFF
- Operable with one hand
- No tight grasping, pinching, or twisting of the wrist
- 5 lbs. max. force to operate

## Depth of Urinal

1115B.4.2.1, 605.2

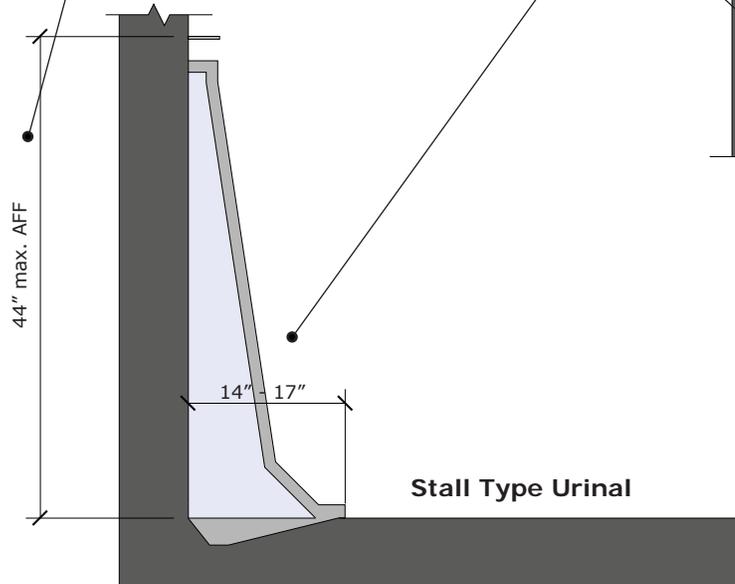
- 14" min. to 17" max. from wall to outer surface of rim



## Clear Floor Space

1115B.4.2.3, 605.3

- 30" x 48" min. clear floor space in front of urinal for a front approach



# SINGLE-USER TOILETS

## Toilet

1115B.4.1, 604.2

-18" from CL of toilet to side wall

## Flush Controls

1115B.4.1, 604.2

-On wide side of toilet  
 -Hand activated or automatic  
 -If hand activated, must be operable with one hand, max. 5 lbs. force, and no grasping, pinching, or twisting of the wrist

## Rear Grab Bar

1115B.4.3, 604.5.2

-Provide grab bar on rear wall  
 -36" min. length  
 -24" min. from CL of toilet to one side, 12" min. from CL of toilet to the other side

## Lavatory

1115B.4.3.2

-18" min from side wall or partition to centerline of lavatory  
 -See p. 37 for more info

## Side Grab Bar

1115B.4.3, 604.5.1

-Provide grab bar on closest side wall  
 -42" min. length  
 -12" max. from rear wall to near end of grab bar  
 -54" min. from rear wall to far end of grab bar  
 -24" min. from front of toilet to front end of grab bar

## Clear Space

1115B.3.2, 1115B.3.3, 1115B.4

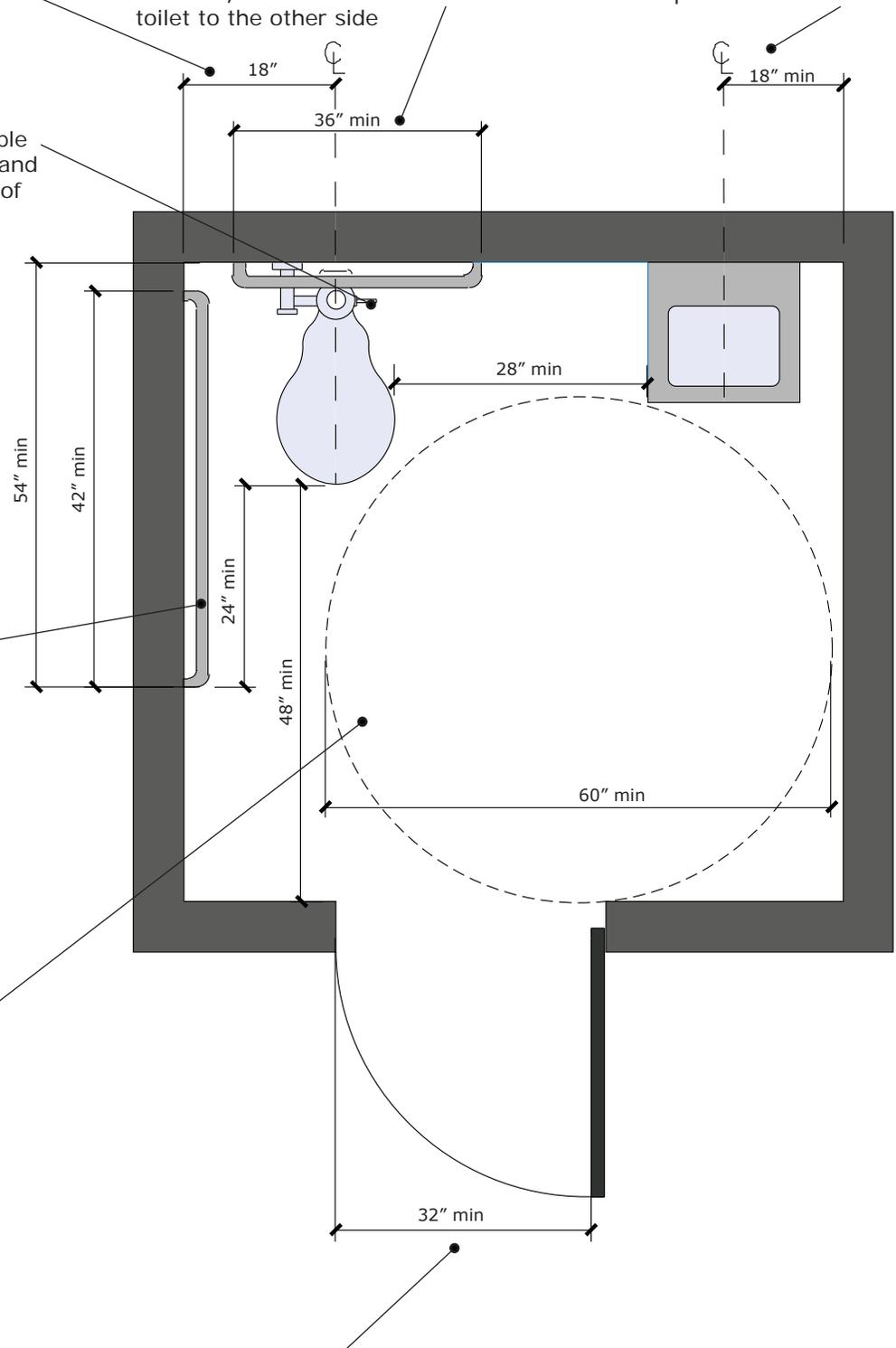
-28" min. from outside edge of toilet to sink, 32" to wall  
 -60" min. diameter turning radius in front of toilet  
 -48" min from front of toilet to wall

-**BEST PRACTICE:** Leave a wheelchair space (30" x 48" min.) on wide side of toilet. Keep this area clear of trash cans, furniture and other storage

## Door

1115B.3.4.5, 604.8.2

-32" min. clear width



# TOILET STALL ELEVATION

## Side Grab Bar

1115B.4.3, 604.5.1

- Provide grab bar on closest side wall
- 42" min. length
- 12" max. from rear wall to near end of grab bar
- 54" min. from rear wall to far end of grab bar
- 24" min. from front of toilet to front end of grab bar

## Rear Grab Bar

1115B.4.1.3

- 33" AFF to CL of grab bar
- Parallel to floor
- If high toilet tank prohibits 33" mounting height, rear grab bar only may be mounted at 36" AFF to CL of grab bar, with a min. 1-1/2" clearance between bottom of grab bar and top of tank

## Hook

603.4

- 48" AFF to highest operable part
- Side wall location preferred

## Toilet Seat Height

1115B.4.1.4, 604.4

- 17" to 19" AFF to top of seat

## Grab Bar

1115B.4.1.3, 609.4

- 33" AFF to CL of grab bar
- Parallel to floor

## Toilet Seat Cover Dispenser

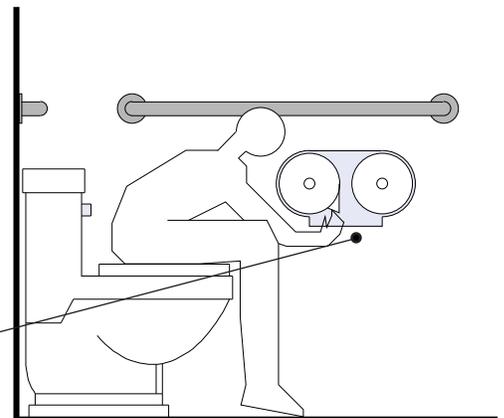
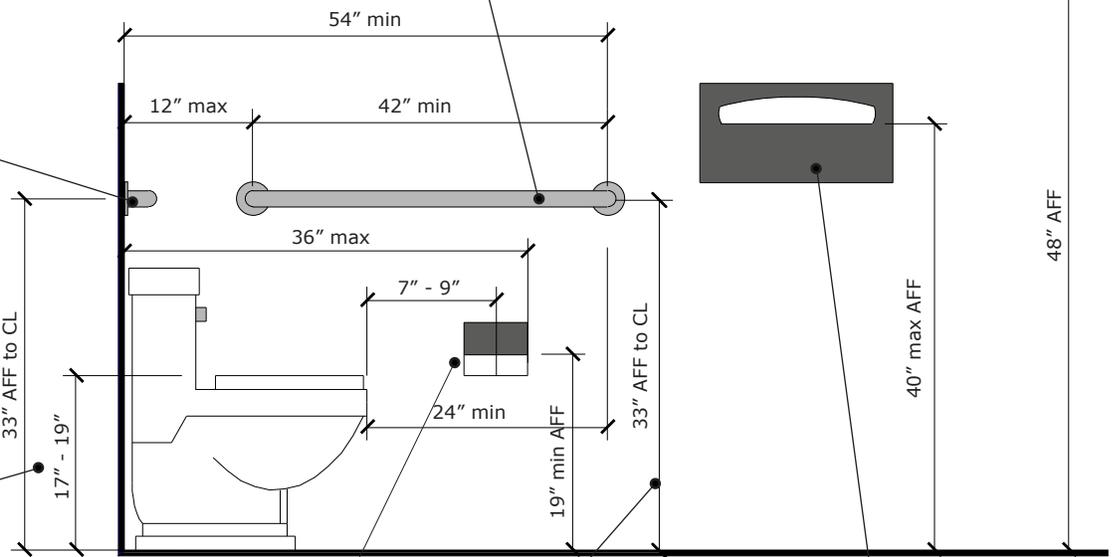
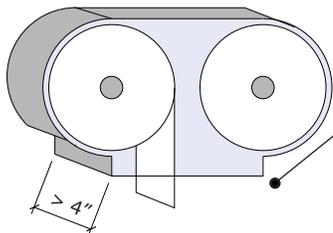
1115B.8.3

- 40" max. to operable part
- Do not place behind toilet or above grab bar

## Toilet Paper Dispenser

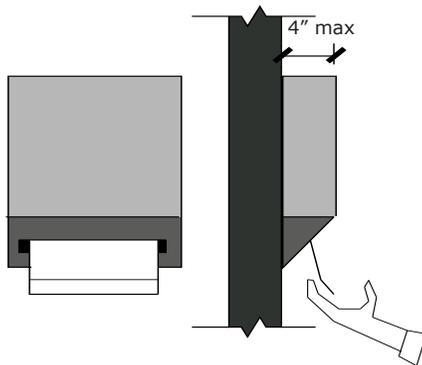
1115B.8.4, 604.7

- 36" max. from back wall to front end of dispenser
- 7" to 9" from front of toilet to CL of dispenser
- 19" min. AFF to CL of dispenser
- Mounted below grab bar
- Do not use large dual roll dispensers, as they:
  - Generally protrude more than 4" from the wall
  - Toilet paper may tear off inside the dispenser, making it impossible and/or dangerous for someone with limited mobility to reach the paper. They may lose their balance and fall.

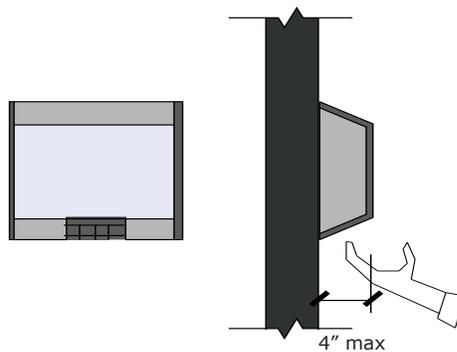


## RESTROOM FIXTURES

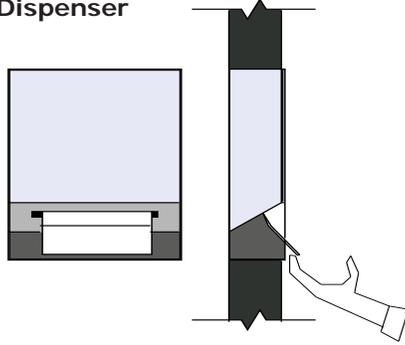
Surface Mounted Manual Paper Towel Dispenser



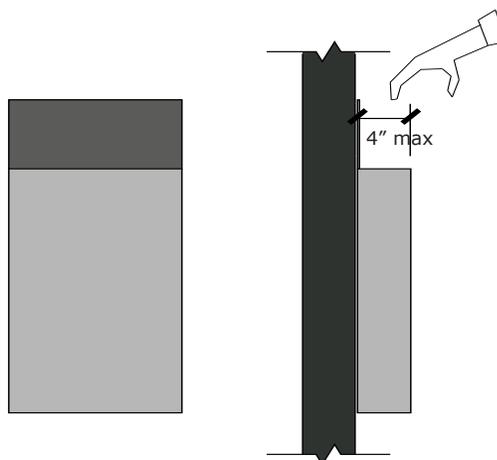
Slimline Electric Hand Dryer



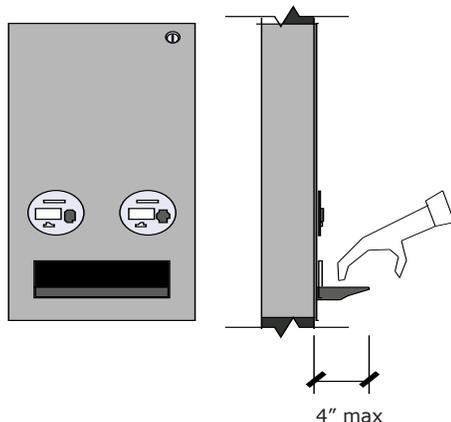
Recessed Manual Paper Towel Dispenser



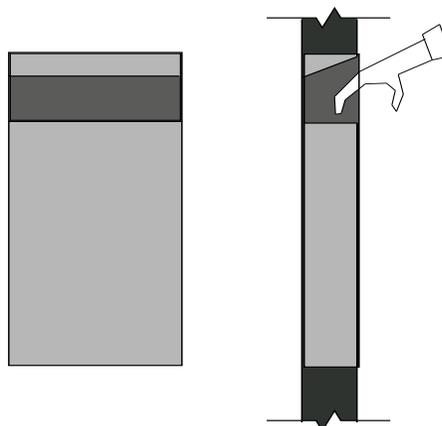
Surface Mounted Trash Can



Recessed Sanitary Napkin/Tampon Dispenser



Recessed Trash Can



### General

1115B.8.3, 307.2, 308.2, 308.3

-Where fixtures (i.e. paper towel dispensers, hand dryers, trash cans, sanitary napkin/tampon dispensers, etc.) are provided, at least one of each type:

- must be on an accessible route
- have all operable parts, including coin slots, mounted at 40" max. AFF
- have all operable parts/controls operable by one hand, with no tight grasping, pinching, or twisting of the wrist

-Fixtures mounted with their lowest edge between 27" and 80" AFF may not protrude more than 4" max. into the clear path of travel

**-BEST PRACTICE:** Use recessed, semi-recessed or slimline surface-mounted fixtures not protruding more than 4" from the wall

**-BEST PRACTICE:** Use fixed trash cans to avoid misplaced trash cans interfering with clear paths of travel or required clear floor spaces

**-BEST PRACTICE:** Do not use electric hand dryers that require user to insert hands from top (i.e. Dyson Airblade, Mitsubishi Jet Towel). These hand dryers would require a user in a wheelchair to lean forward to use them, which is not easy to do from a seated position and may cause falls. Also, documentation for these dryers indicates that they are unsuitable for use by "children and infirm persons" without responsible supervision

## LAVATORIES

### General

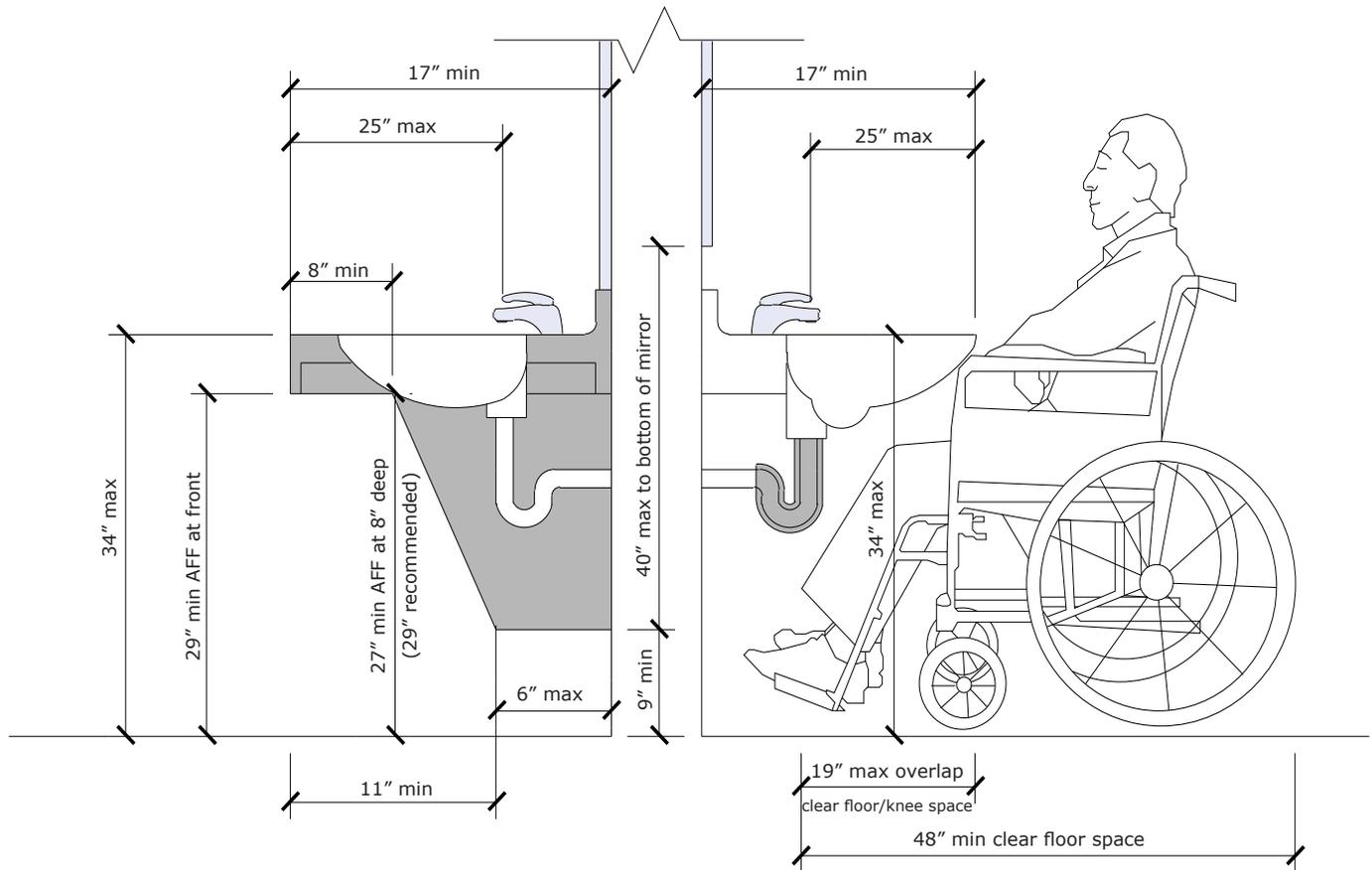
1115B.3.1.3, 1115B.4.3.1, 1115B.4.3.4, 214.3.4, 606.5

- Min. 5% (but not <1) of lavatories must be accessible
- 40" max. AFF to bottom of mirrors' reflective surface when placed above lavatories
- If provided, locate soap and towel dispensers within accessible reach ranges (See p. 36, 41) and convenient to someone using the accessible lavatory
- Insulate or cover exposed hot water and drain pipes to protect users from burns and/or sharp edges
- No sharp or abrasive surfaces under lavatories

### Faucets and Controls

1115B.4.3.1, 306.3, 309

- Operable with one hand
- Do not require tight grasping, pinching, or twisting to operate
- Max 5 lbs. of force
- Lever operated, push type, or electronically controlled are acceptable
- Self-closing valves (push-to-use) must remain open for 10 seconds min.
- 25" max. reach from front of lavatory or counter to front of controls
- Use a temperature control valve to keep water from reaching scalding temperatures



### Height

1115B.4.3.2, 306.3

- Toe Clearance:
  - 9" min. high at 6" max. from wall
- Knee Clearance:
  - 29" min. AFF at front of lavatory or counter
  - 27" min. AFF (29" recommended) at 8" deep from front of lavatory or counter
- Top of Lavatory/Counter:
  - 34" max. AFF
- BEST PRACTICE:** The 27" min. knee clearance does not take into account people who use larger wheelchairs or scooters. 29" min. measurements will allow for these

### Depth

1115B.4.3.2, 1115B.4.3.3, 1115B.4.3.4, 305.3, 306.2, 606.3

- 17" min. from back wall to front of lavatory or counter
- 25" max. from front of lavatory or counter to front of controls
- 11" min. depth of knee clearance before toe clearance (27" min., 29" recommended AFF)
- 8" min. depth from front of lavatory or counter, 27" min. AFF to underside of lavatory
- 48" min. deep clear floor space for forward approach to lavatory, 19" max. overlap allowed underneath lavatory

## LAVATORIES

### Distance from Wall or Partition

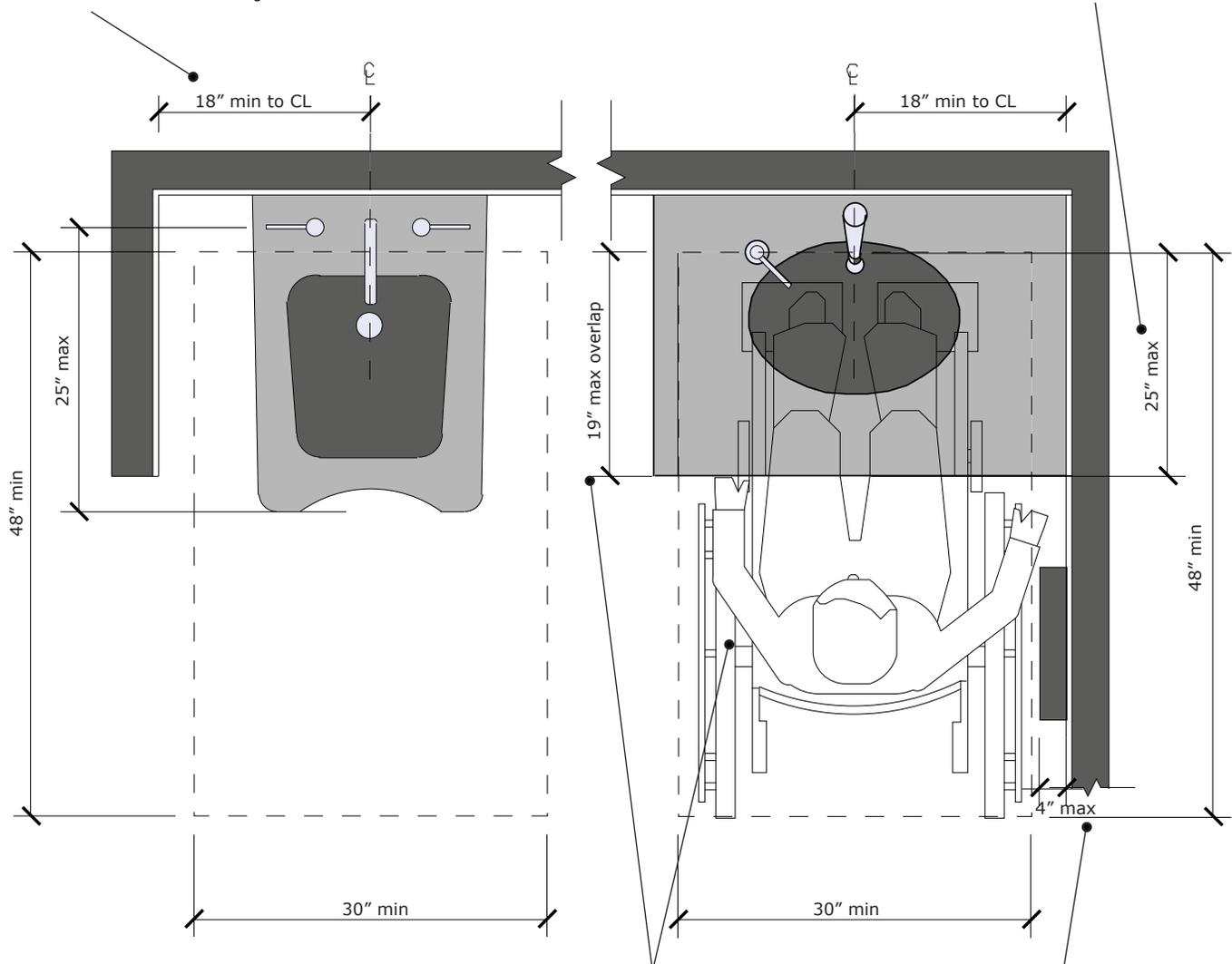
1115B.4.3.2

-18" min. from side wall or partition to centerline of lavatory

### Distance to Controls

306.3

-25" max. from front of lavatory or counter to front of controls



### Clear Floor Space

1115B.4.3.3, 305.3

-30" x 48" min. clear floor space for frontal approach to lavatory

-19" max. allowable overlap with knee and toe clearance under lavatory

-Dispensers, dryers, etc. on side wall must not protrude more than 4" into required clear space

# TELEPHONES

**General**

1117B.2.1, 704.2.1

-At least 50%, but not less than 1, of public phones shall be accessible

**Clear Floor Space**

1117B.2.2, 704.2.1.1

-30" x 48" in side or front approach  
 -Shelf may extend 10" max in front of face of telephone unit, provided there is ample knee clearance beneath it

**International Symbol of Accessibility (ISA)**

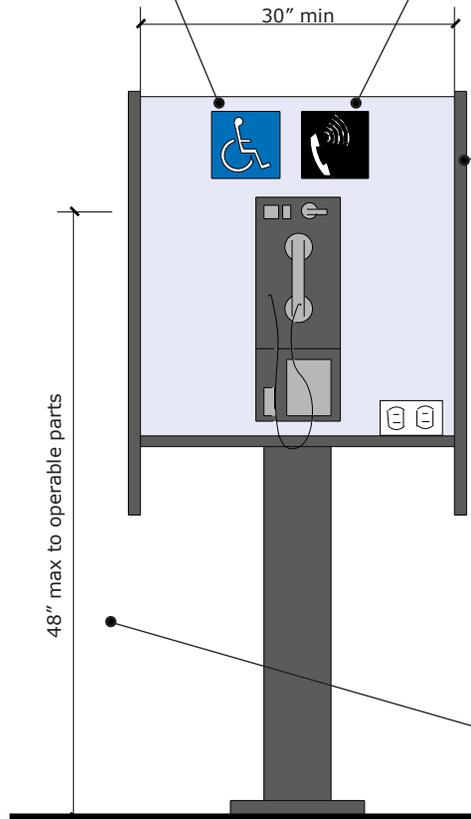
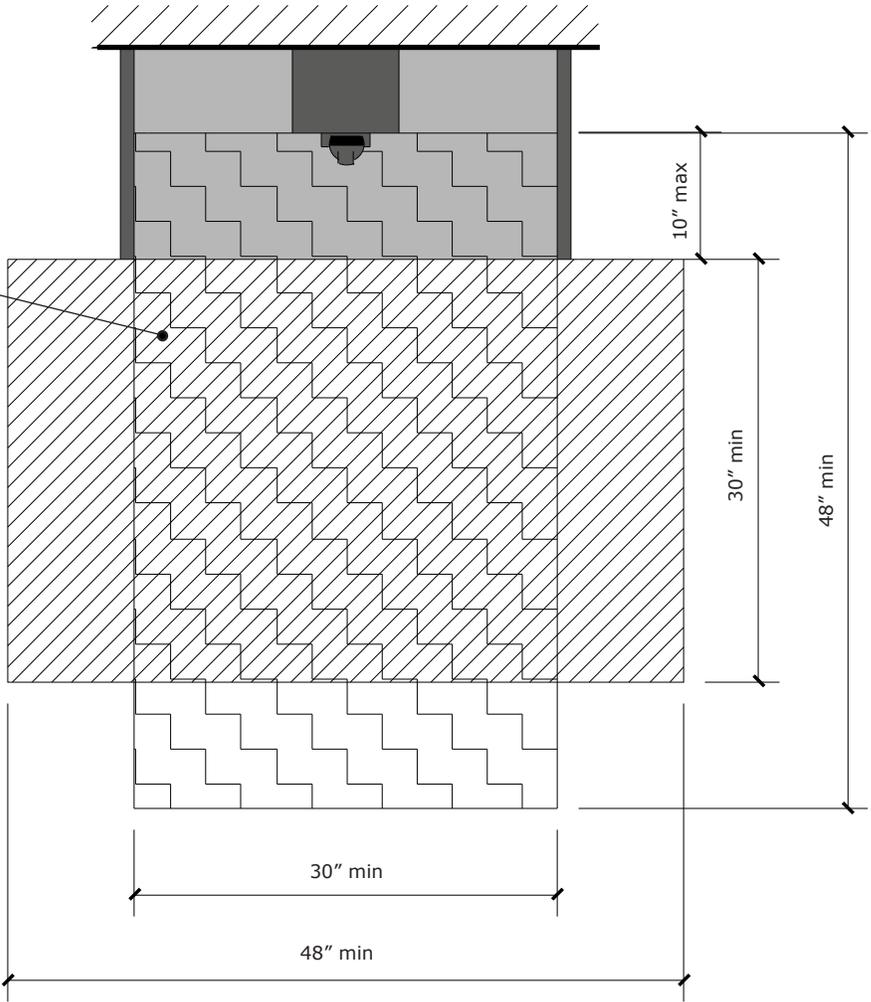
1117B.5.8.1, 703.7.2.1

-Place ISA on accessible phones  
 -White pictogram on blue background

**Volume Control**

1117B.5.8.3, 1117B.2.8, 707.2.3, 704.3

-At least 25%, but not less than 1, of public phones shall have volume control for users with hearing impairments  
 -Place volume control symbol on phones so equipped



**Side Panels**

1117B.2.2, 704.2.1.1

-30" min. between side panels  
 -27" min. to lower edge of side panels for cane detectability

**Text Telephone (TTY)**

1117B.5.8.2, 1117B.2.9, 703.7.2.2, 704.4

-Where there are 4 or more public telephones, provide at least 1 text telephone (TTY)  
 -If provided on shelf adjacent to phones, 34" AFF to top of shelf, with 27" min. knee clearance beneath  
 -Place TTY symbol where TTY provided

**Mounting Height**

1118B.5, 1118B.6, 308.2.1, 308.3.1

-48" max. AFF to operable parts

# PROTRUDING OBJECTS

## Protrusion Limits

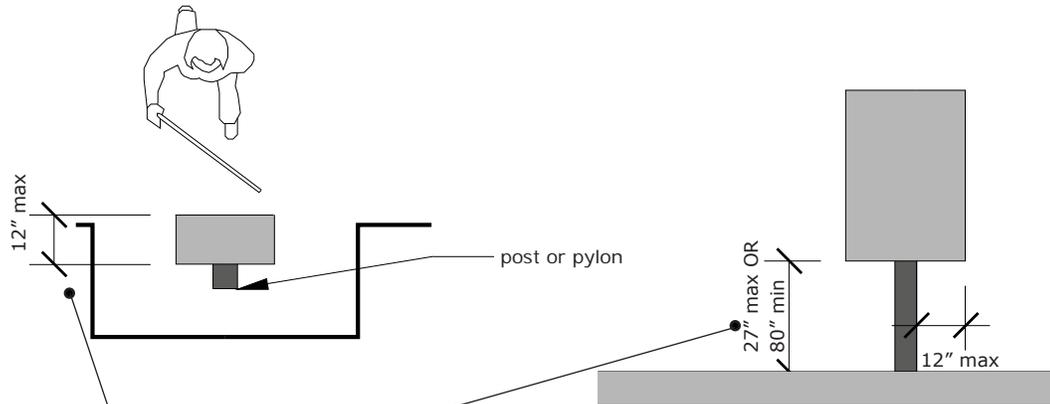
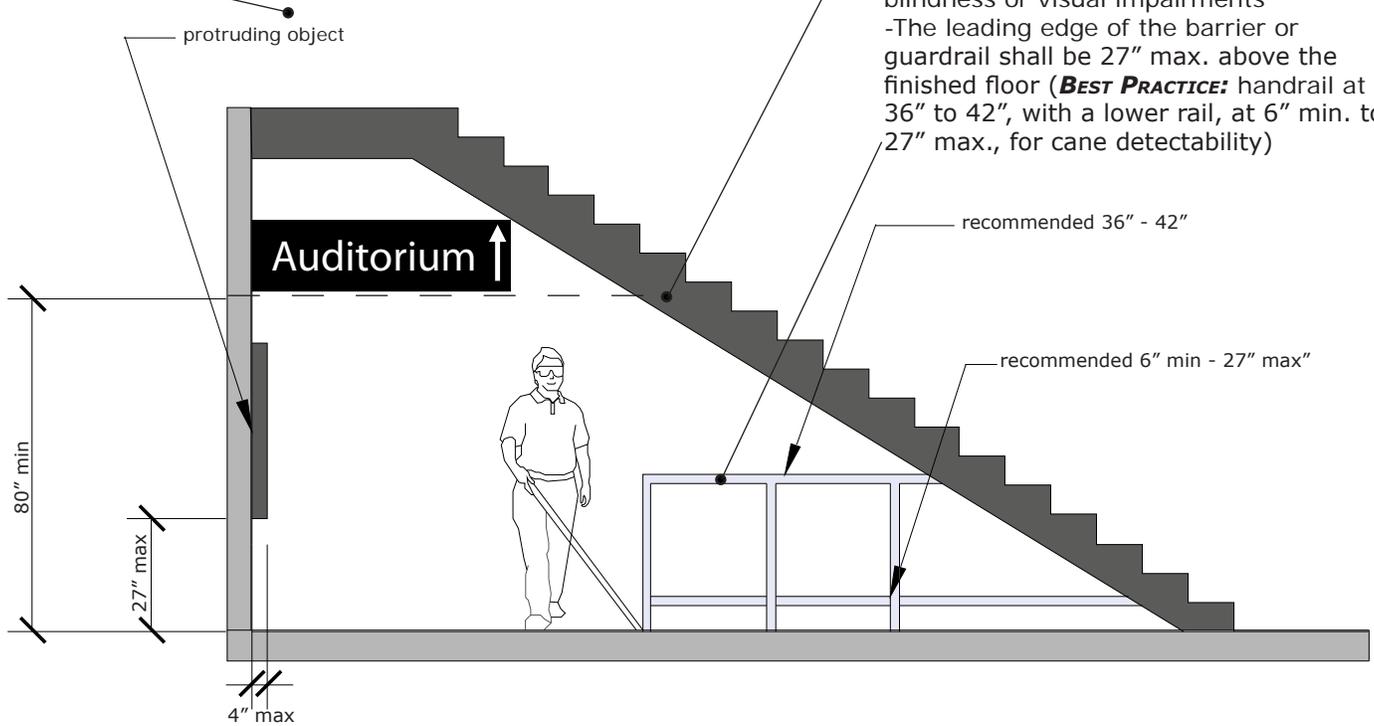
1133B.8.6, 307.2

- Objects protruding from walls with their leading edges from 27" - 80" above the floor may only protrude 4" max. into paths of travel
- Protruding objects may not reduce the clear width of an accessible path of travel

## Vertical Clearance/Head Room

1133B.8.6, 307.4

- All circulation spaces shall have 80" min. clear from the finished floor
- Where the vertical clearance is less than 80", provide a barrier to warn people with blindness or visual impairments
- The leading edge of the barrier or guardrail shall be 27" max. above the finished floor (**BEST PRACTICE:** handrail at 36" to 42", with a lower rail, at 6" min. to 27" max., for cane detectability)



## Double Post Mounted Objects

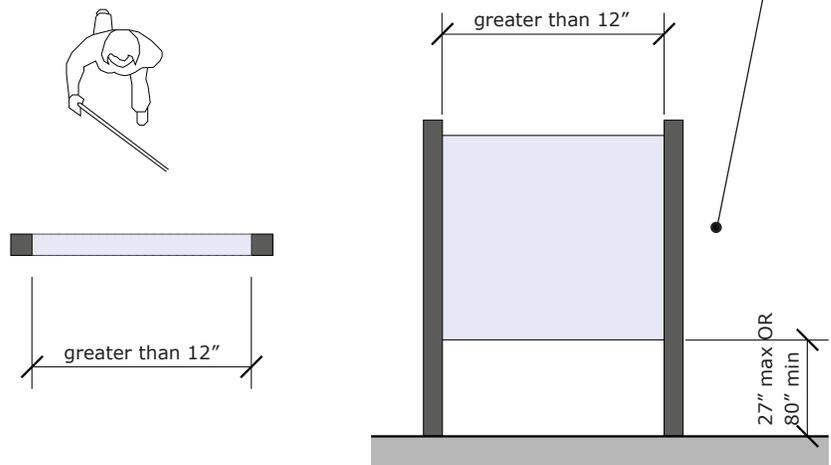
1133B.8.6, 307.3

- When a sign or obstruction is between 2 posts 12" or more apart, the lower edge shall be 27" max. or 80" min. above the floor

## Post-Mounted Objects

1133B.8.6, 307.3

- Free-standing post-mounted objects may overhang 12" max. when they are between 27" and 80" from the floor

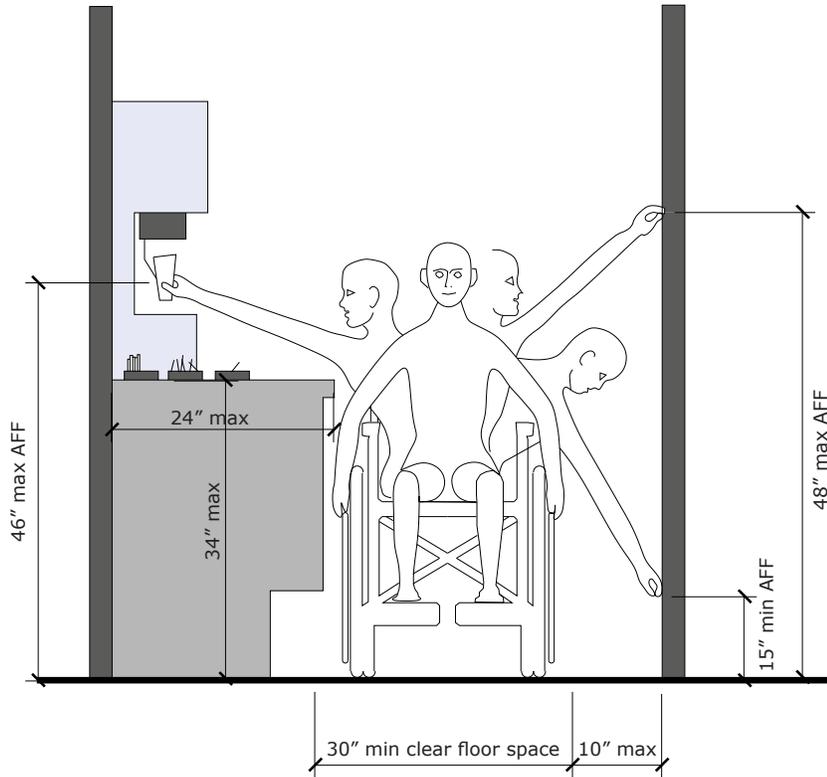


# REACH RANGES

## Side Reach (Obstructed)

1118B.6, 308.3.2

- 46" max. AFF
- Obstruction: 24" max. deep 34" max. high



## Side Reach

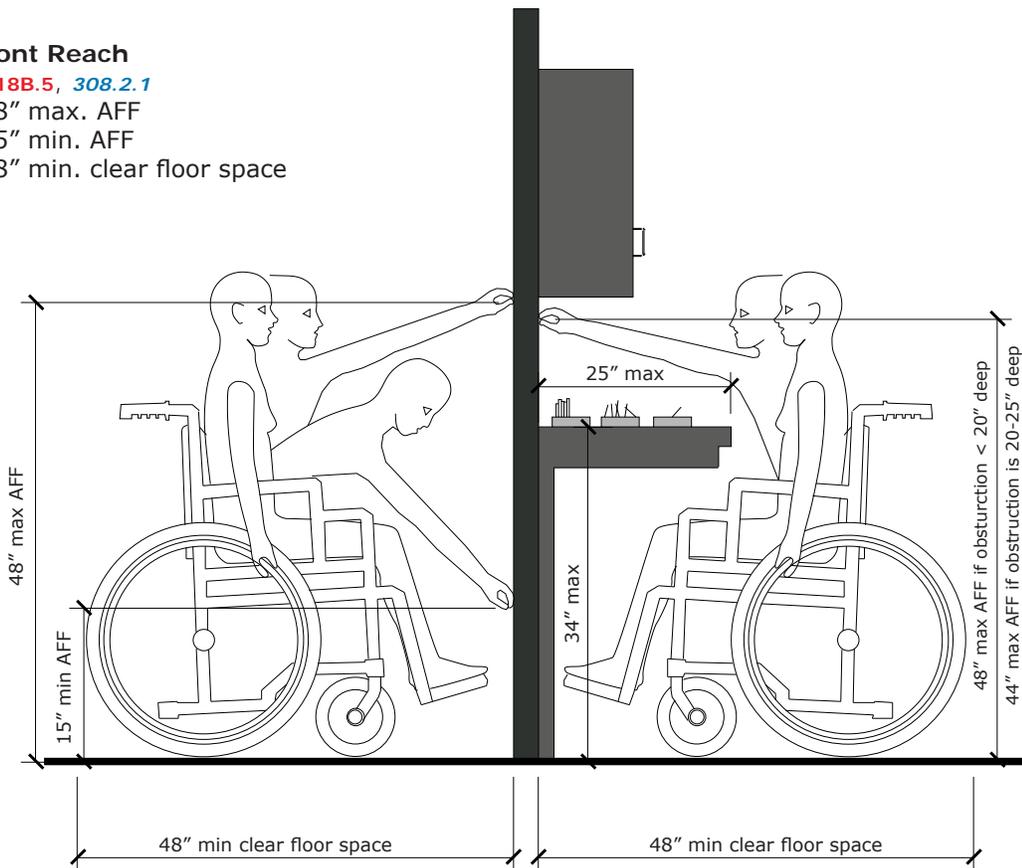
1118B.6, 308.3.1

- 48" max. AFF
- 15" min. AFF
- 30" min. clear floor space
- 10" max. from wall/operable parts

## Front Reach

1118B.5, 308.2.1

- 48" max. AFF
- 15" min. AFF
- 48" min. clear floor space



## Front Reach (Obstructed)

1118B.5, 308.2.2

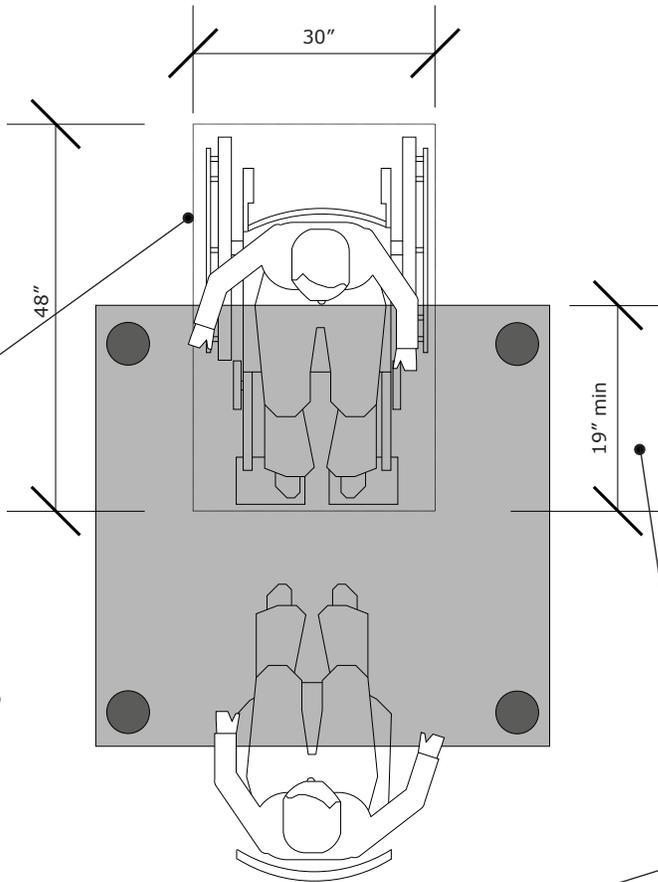
- Obstruction: 25" max. deep 34" max. high
- 48" max. AFF if obstruction <20" deep
- 44" max. AFF if obstruction 20-25" deep
- Depth of knee space under obstruction must be at least as deep as reach needed to object over obstruction

# TABLES

## Clear Path To and Between Tables

**1104B.5**  
 -36" min. clear width between tables, seats and other obstacles, even with patrons seated at tables

## Four Corners Table Base



## Clear Floor Space at Table

**1122B.2**  
 -30"x 48" min. clear floor space at table, may overlap the knee clearance under the table by 19"

## Required Accessible Tables

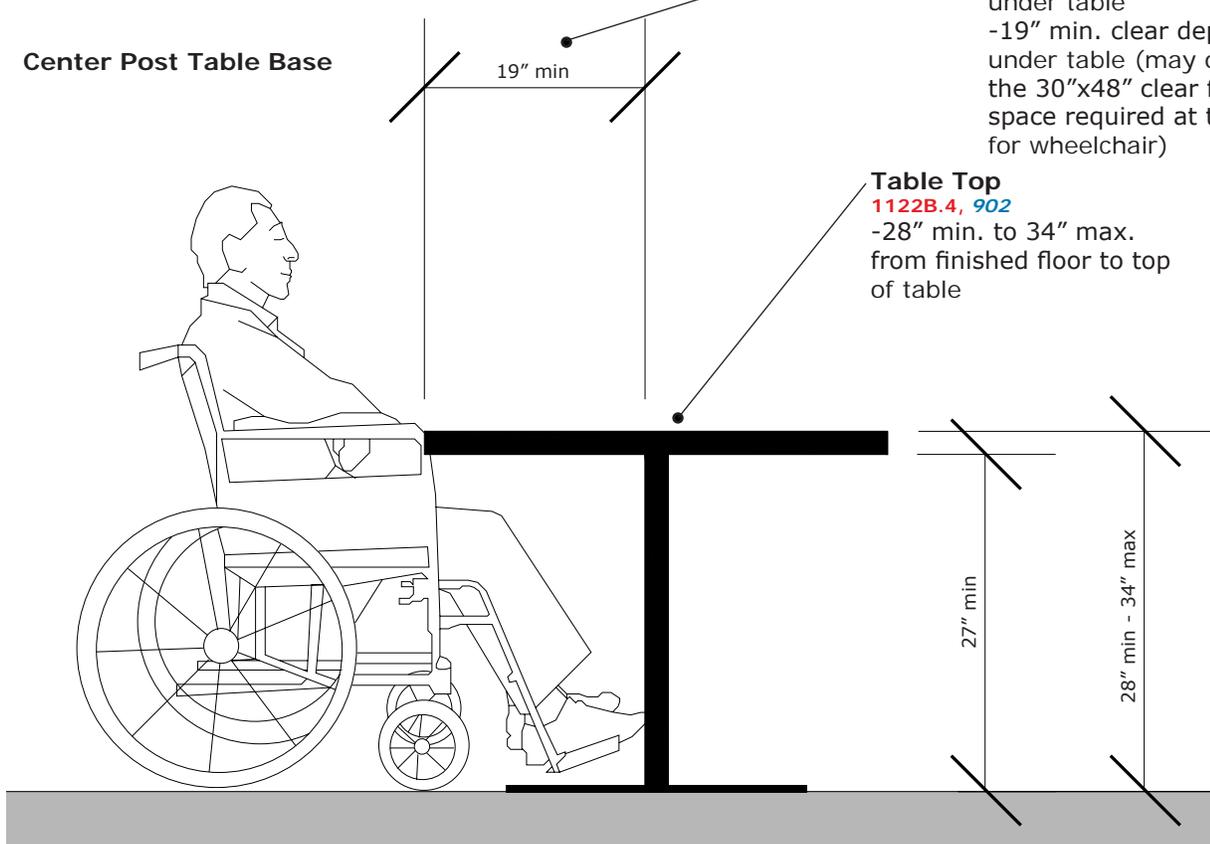
**1104B.5, 1122B.1, 226**  
 -**At least** 5% (but never less than 1) of tables, seating, counters, and/or dining surfaces must be accessible  
 -Where there is more than 1 accessible space, these spaces must be dispersed throughout the area or facility where dining surfaces are provided  
 -Where there are multiple functional areas (i.e. bar and dining room), there must be at least 1 accessible space for each area

**Note:**  
 -It is important to be able to arrange non-fixed tables to accommodate larger groups with people with disabilities in their party

## Knee Space

**1122B.3, 902**  
 -27" min. from finished floor to underside of table (**BEST PRACTICE:** 29" preferred)  
 -30" min. clear width under table  
 -19" min. clear depth under table (may overlap the 30"x48" clear floor space required at table for wheelchair)

## Center Post Table Base



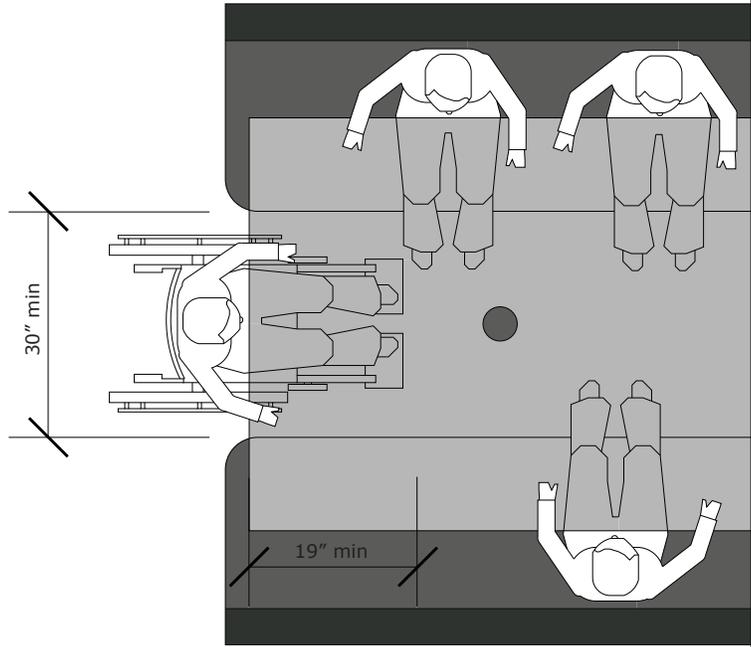
## Table Top

**1122B.4, 902**  
 -28" min. to 34" max. from finished floor to top of table

# BANQUETTE SEATING

**Note:**  
-It is important to be able to arrange non-fixed tables to accommodate larger groups with people with disabilities in their party

Booth Seating with Center Post Table Base

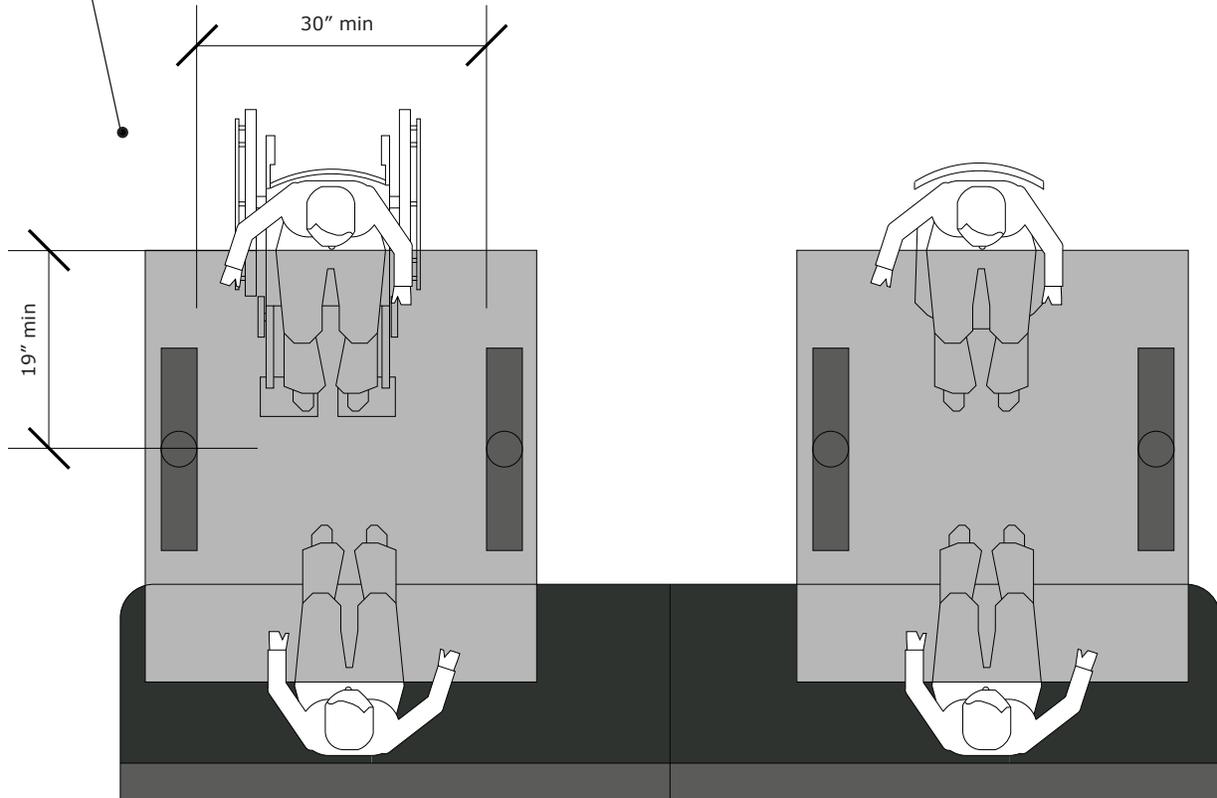


**Clear Floor Space at Table**

1122B.2

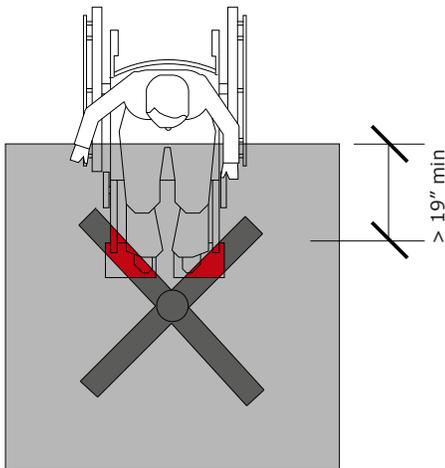
-30"x 48" min. clear floor space at table, may overlap the knee clearance under the table by 19"

Sled (or T) Table Base

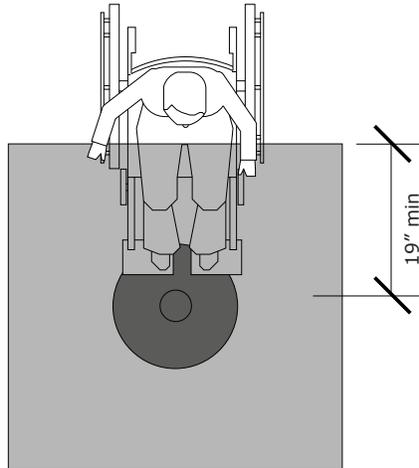


## TABLE BASES

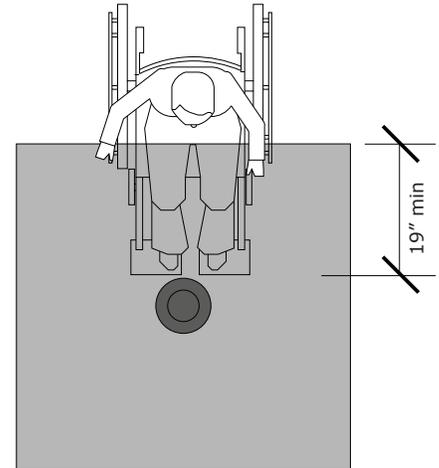
**Non-Accessible X Base**



**Center Post Table Base**



**Bolt-Down Center Post Table Base**



### Knee Space

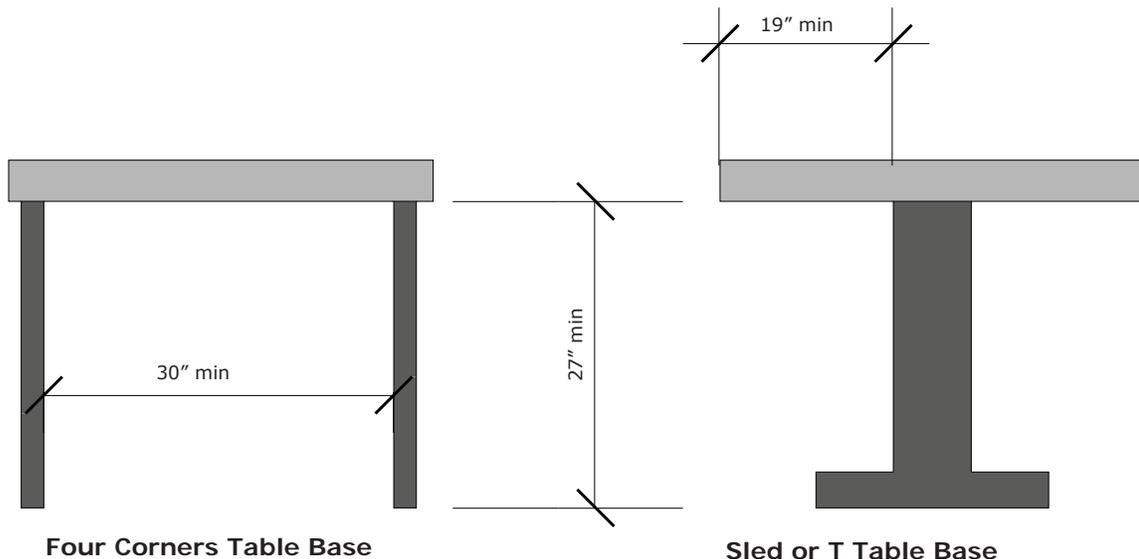
1122B.3, 902

-27" min. from finished floor to underside of table (**BEST**

**PRACTICE:** 29" preferred)

-30" min. clear width under table

-19" min. clear depth under table (may overlap the 30"x48" clear floor space required at table for wheelchair)



**Four Corners Table Base**

**Sled or T Table Base**

### General/**BEST PRACTICE**

1122B.3, 902

-The following are considered **ACCESSIBLE** bases:

-Legs in the 4 corners with at least 30" min. between them

-Sled or T base on two sides of the table with 30" min. between them

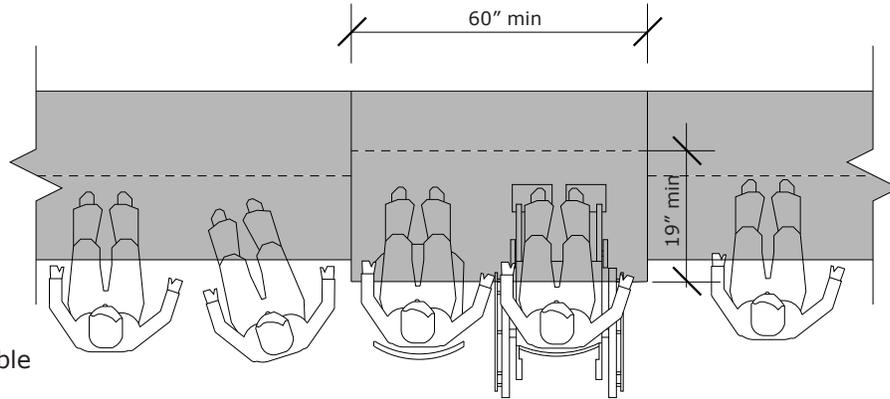
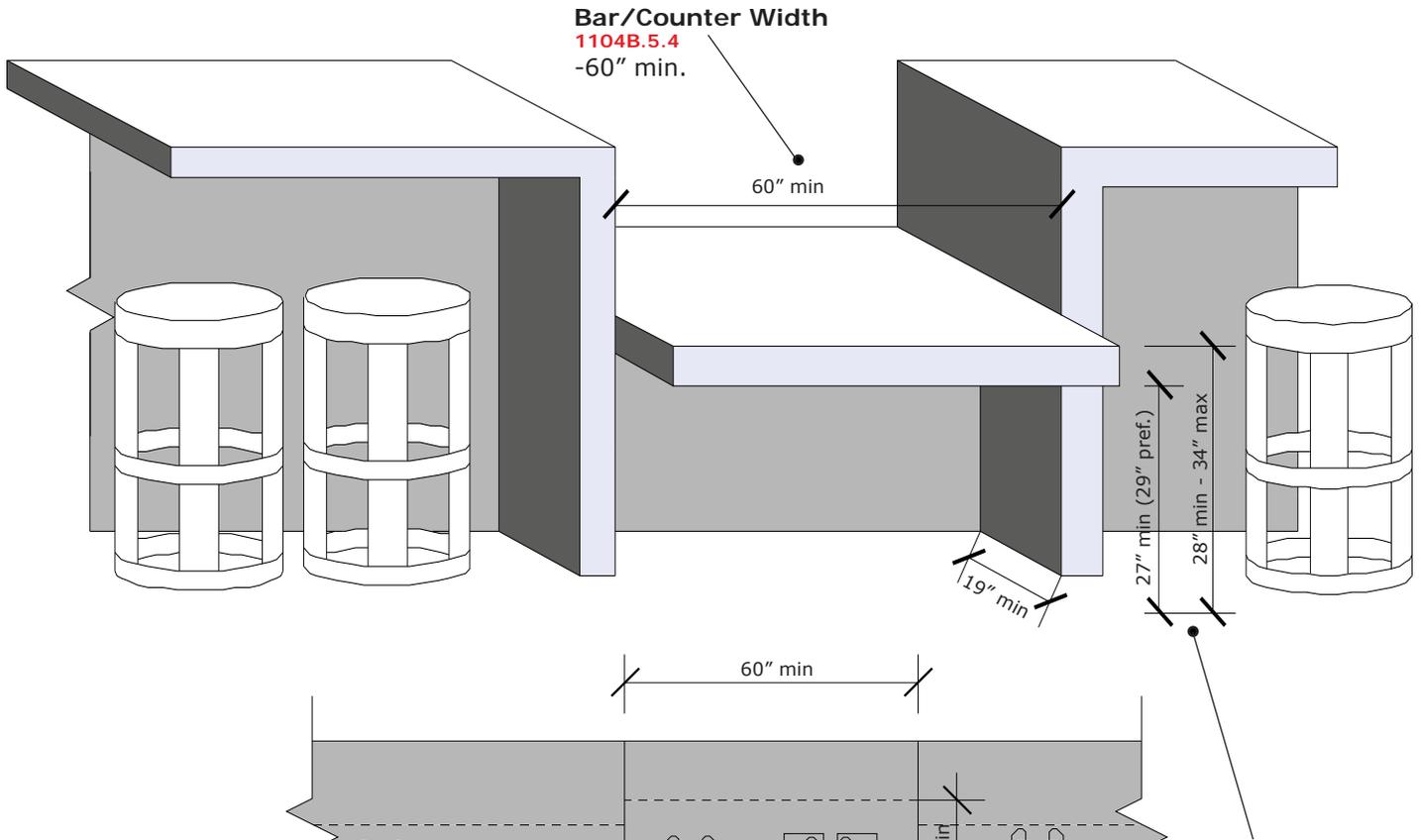
-Center post with bolt-down base, at least 19" from edge of table

-Center post with flat base of 1/2" thick max. with 1/4" bevel, if flat base extends into the required 19" clear space from edge of table

-Do NOT use X-shaped table base, as it interferes with the 19" min. clear space from edge of table and may cause wheelchair footrests to become stuck (shown in red above)

-Do NOT use center post with thick or sloped bases that extend into the required 19" min. clear space from the edge of the table, as this will prevent a person using a wheelchair from being able to sit comfortably at the table, or may cause their wheelchair to tip back

# BAR/COUNTER SEATING



### Knee Space

1122B.2, 306.3

- 27" min. from finished floor to underside of table (29" preferred)
- 30" min. clear width under table
- 19" min. clear depth under table (may overlap the 30"x48" clear floor space required at table for wheelchair)

### Bar/Counter Top

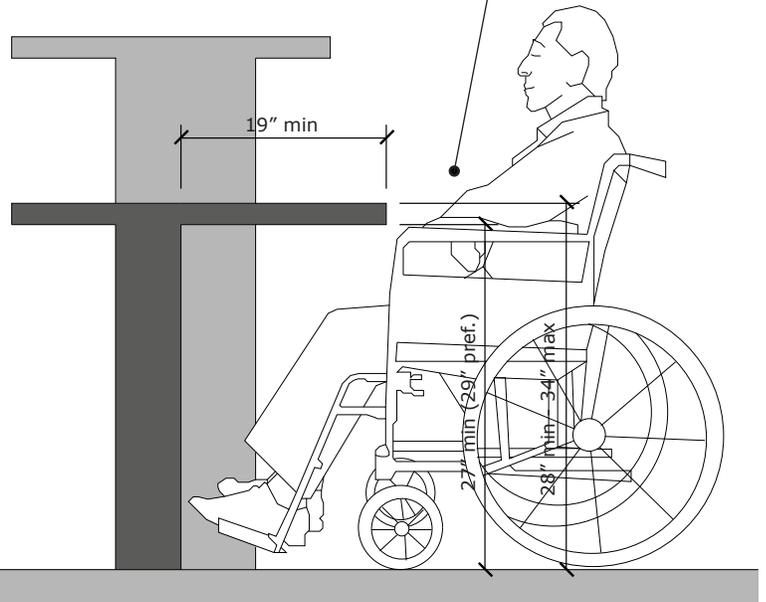
1122B.4, 902.4.2

- 28" min. to 34" max. from finished floor to top of bar/counter
- Must extend full depth of bar/counter
- Do NOT use as service area

### Required Accessible Tables

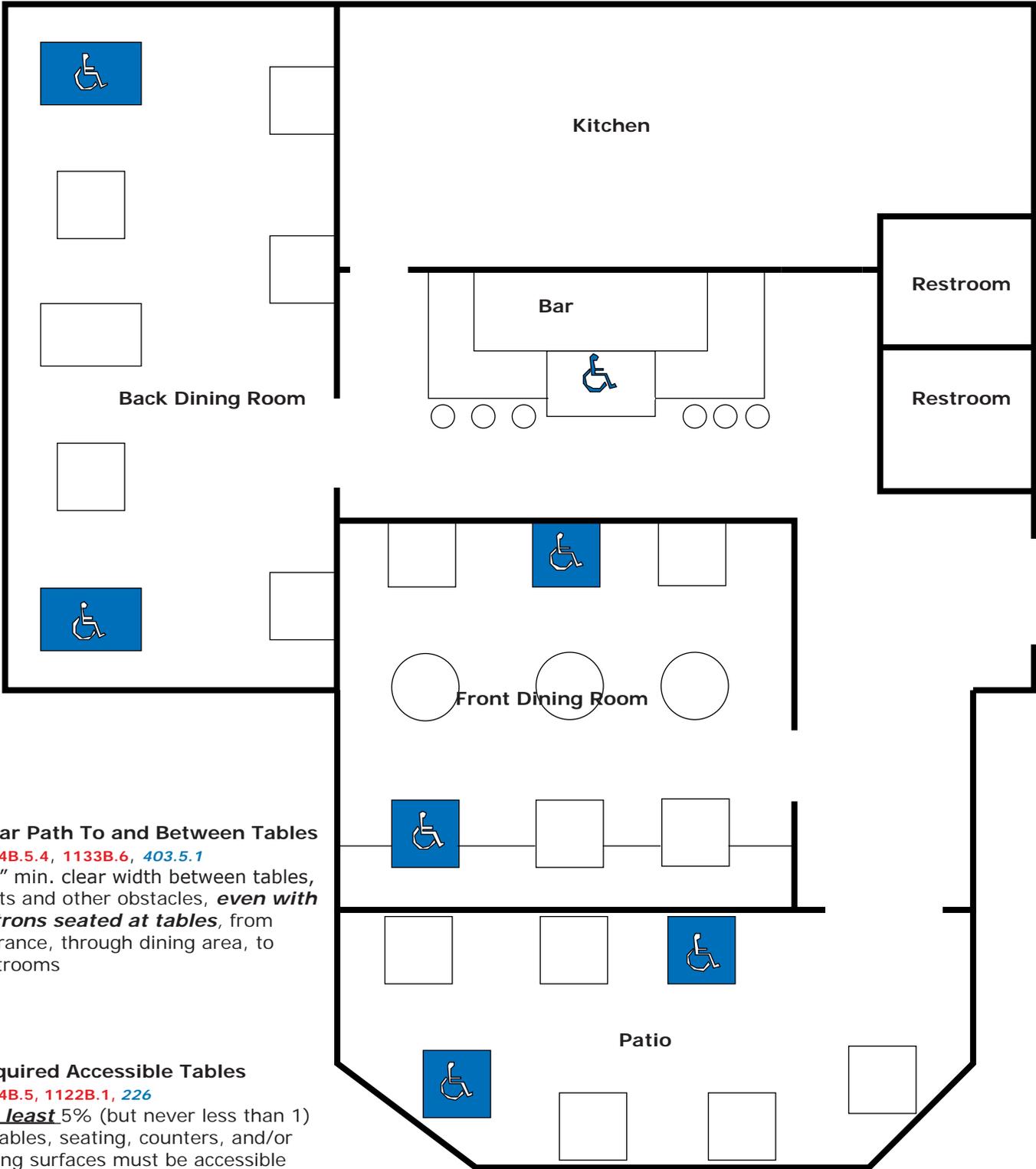
1104B.5, 1122B.1, 226

- At least** 5% (but never less than 1) of tables, seating, counters, and/or dining surfaces must be accessible
- Where there is more than 1 accessible space, these spaces must be dispersed throughout the area or facility where dining surfaces are provided
- Where there are multiple functional areas (i.e. bar and dining room), there must be at least 1 accessible space for each area
- A drop-down hinged counter surface does not count as an accessible space, counter must be same height from customer side to employee side





**SAMPLE SEATING CHART**



**Clear Path To and Between Tables**  
**1104B.5.4, 1133B.6, 403.5.1**  
 -36" min. clear width between tables, seats and other obstacles, **even with patrons seated at tables**, from entrance, through dining area, to restrooms

**Required Accessible Tables**  
**1104B.5, 1122B.1, 226**  
 -**At least** 5% (but never less than 1) of tables, seating, counters, and/or dining surfaces must be accessible  
 -Where there is more than 1 accessible space, these spaces must be dispersed throughout the area or facility where dining surfaces are provided  
 -Where there are multiple functional areas (i.e. bar and dining room), there must be at least 1 accessible space for each area

**BEST PRACTICE! Employee Training**  
 -Accessible seating should be the last seating filled to ensure its availability for customers with disabilities  
 -Moveable furniture positions must be maintained regularly, even when restaurant is busy

## **CONTACTS**

US Access Board  
<http://www.access-board.gov/>  
1331 F Street NW, Suite 1000  
Washington, DC 20004-1111  
(202) 272-0080  
For Guidance on Accessibility Issues:  
800.872.2253  
800.993.2822 (TTY)

US DOJ - Civil Rights Division  
<http://www.justice.gov/crt/>  
950 Pennsylvania Avenue, NW  
Washington, DC 20530-0001  
202.514.4609  
202.514.0716 (TTY)

ADA Information Line  
<http://www.ada.gov/>  
800.514.0301  
800.514.0383 (TTY)

California DOJ  
<http://oag.ca.gov/>  
Attorney General's Office  
California Department of Justice  
Attn: Public Inquiry Unit  
P.O. Box 944255  
Sacramento, CA 94244-2550  
916.322.3360  
800.952.5225  
TTY/TDD Dial 711 or 800.735.2929

California DSA (Department of the State Architect)  
<http://www.dgs.ca.gov/>  
1102 Q Street, Suite 5100  
Sacramento, CA 95811  
916.445.8100  
Manager, Access Compliance 916.445.8100

California Restaurant Association  
<http://www.calrest.org/>  
621 Capitol Mall, Suite 2000  
Sacramento, CA 95814  
800.765.4842  
916.447.5793

Golden Gate Restaurant Association  
<http://ggra.org/>  
100 Montgomery Street, Suite 1280  
San Francisco, CA 94104  
415.781.5348

Designing Accessible Communities  
<http://www.designingaccessiblecommunities.org/>  
PO Box 2579  
Mill Valley, CA 94942  
415.388.7206

**CHECKLIST**

<b>FEATURE</b>	<b>REQUIREMENT</b>	<b>YES/NO</b>	<b>NOTES</b>
<b>PARKING (p. 7)</b>			
# of Accessible Spaces	1 per 25 spaces (1-100 spaces), +1 per 50 additional spaces (101-200 spaces), +1 per 100 spaces (201-500 spaces) 2% (501-1000 spaces) 20, +1 per 100 or fraction thereof over 1000 (1001+ spaces)		
Accessible Spaces	Identified by 36" x 36" blue square with ISA in white		
Van Accessible Spaces	Min. 1 per 6 accessible spaces provided If only 1 accessible space provided, must be van accessible.		
Accessible Space Dimensions	9' wide min. (measured to centerline of striping) x 18' long min.		
Access Aisle	5' wide min. x full length of space May be shared by two spaces, on passenger side if only 1 space Keep free of obstructions Use min. slope possible, not to exceed 2% in any direction Shall be marked with a blue border Shall be striped (blue or white preferred) with "No Parking" in 12" min. high white bold lettering		
Van Access Aisle	8' wide min. x full length of space On passenger side of space only Keep free of obstructions Use min. slope possible, not to exceed 2% in any direction Shall be marked with a blue border Shall be striped (blue or white preferred) with "No Parking" in 12" min. high white bold lettering		
Vertical Clearance	98" min. at accessible parking spaces and along at least one vehicle access route to these spaces to allow van clearance		
<b>Parking Signage:</b>			
Space Signage	70 sq. in. min. Posted at 80" min. to bottom of sign Shall contain ISA and lettering in white on blue background Additional language/sign stating "Minimum Fine \$250"		
Van Accessible Signage	Same as above, with additional language/sign stating "Van Accessible"		
Lot Signage	Placed conspicuously near parking lot entrance or immediately adjacent to and visible from each accessible stall Min. 17" x 22" with 1" high lettering, black on white background Wording: "Unauthorized vehicles parked in designated accessible spaces not displaying distinguishing placards or special license plates issued for person with disabilities will be towed away at the owner's expense. Towed vehicles may be reclaimed at (fill in blank with towing company name and address) or by telephoning (fill in blank with towing company phone number)."		

FEATURE	REQUIREMENT	YES/NO	NOTES
<b>CURB RAMPS (p. 8-9)</b>			
Width	48" wide min.		
Slope	1:12 max slope on ramp 1:10 max slope on flared sides		
Detectable Warnings	See Detectable Warnings below		
Edge Grooves/Border	All curb ramps shall have a grooved border 12" wide at the level surface of the sidewalk along the top and each side 1/4" grooves shall be approx. 3/4" on center		
Level Landing	4' deep minimum level landing at top of curb ramp for full width of ramp		
<b>DETECTABLE WARNINGS (p.10)</b>			
Base of Domes	Nominal .9" diameter		
Top of Domes	Nominal .45" diameter		
Distance Between Domes	Nominal 2.35" on center		
Arrangement	Rectangular pattern (not offset)		
Measurements	Extend full width and depth of curb ramp, excluding flared sides, inside grooved border		
Visual	Contrast visually with adjoining surfaces (yellow typical)		
<b>RAMPS (p. 11-12)</b>			
Slope	An accessible route with a slope greater than 1:20 is considered a ramp Use least possible slope, 1:12 max.		
Wheel Guide Rail or Curb	2" - 4" wide guide rail, 2" - 4" AFF to CL OR 2" min. height AFF curb Full length of ramp when handrails are not wall mounted, must provide smooth edge along inside of ramp		
Handrails	See Handrails below		
<b>Landings:</b>			
Level Landings	Less than 1:50 slope on level landings All landings must be level 30' max. run between landings (30" max. rise)		
Bottom	Full width of ramp (48" min. clear width) 72" min. length		
Intermediate	<b>On straight ramp:</b> 60" min. length, full width of ramp <b>On switchbacks (greater than 30°):</b> 72" min. length in direction of ramp run, full width of all ramp runs adjacent to landing <b>On Change of Direction (greater than 30°):</b> 72" min. length in direction of ramp run, 72" min width		
Top	Min. 60" x 60" level landing		
<b>HANDRAILS (p. 13-14)</b>			
Height	34" - 38" to top of handrail, consistent along entire run of ramp or flight of stairs Continuous on both sides of ramps or stairs		
Cross Section of Grip Portion	1-1/4" to 1-1/2"		
Distance from Wall	1-1/2"		
Wall Surface	Smooth surface behind handrails to prevent injury		

FEATURE	REQUIREMENT	Yes/No	NOTES
Returns	12" horizontal section at top of ramp or stairs, return to floor, wall, or handrail At bottom of ramp, 12" min. horizontal section before returning to floor, wall, or handrail At bottom of stairs, extend rail at slope 1 tread width beyond bottom stair, then 12" min. horizontal section before returning to floor, wall, or handrail		
<b>STAIRS</b>			
Riser	4"- 7" high No open risers Vertical or 30° max.		
Tread	11" deep		
Consistency	Consistent height and depth for entire flight of stairs		
Handrails	See Handrails above		
Nosings	1/2" max. radius 1/2" max. bevel OR Projected 1-1/4" max. past back of tread below, with underside curved or beveled at 30° max.		
<b>DOORS, VESTIBULES, &amp; CORRIDORS (p. 17-20)</b>			
Entry Door	5 lbs. force max.		
Fire Doors	Up to 15 lbs. force (use lowest force possible)		
Revolving Doors	Not permitted on an accessible route		
Height	6'-8" min.		
Width	36" min.		
Kickplate	Bottom 10" min. from floor must be a smooth, uninterrupted surface on push side		
Hardware	Mounted at 34" to 44" AFF Must be operable with one hand, with no tight grasping, pinching, or twisting of the wrist		
Opening	32" min. clear when door is open 90°		
Maneuvering Clearance	60" min. on pull side of door 48" min. on push side of door		
Pull Side Clearance	18" min. on strike side (interior doors) 24" min on strike side (exterior doors) (24" min. preferred)		
Push Side Clearance	12" min. on strike side if door is equipped with both a latch and a closer		
Threshold	1/4" max. height AFF without bevel 1/2" max. height AFF with 1:2 sloped bevel between 1/4" and 1/2" height		
Vestibule-Doors Swing in Same Direction	48" min. between doors (when door swinging into space is open 90°) 44" min. clear width of corridor		
Vestibule- Doors Swing Out	48" min. between doors 44" min. clear width of corridor		
Corridors (longer than 200')	60" min. clear width		
Corridors (shorter than 200')	44" min. clear width Provide a 60" min. diameter circle for turning around every 200' min.		

FEATURE	REQUIREMENT	YES/NO	NOTES
<b>FIRE ALARM PULL STATIONS (p. 21)</b>			
Operable Parts	Operable with one hand, with no tight grasping, pinching, or twisting of the wrist 5 lbs. max. force to operate		
Clear Floor Space	30" x 48" min. clear floor space adjacent to fire alarm pull station on an accessible path		
Mounting Height	15" min. to 48" max. AFF to operable parts		
General	Located in normal path of exit At least one station on each floor Not more than 200' to nearest station from any point in the building		
<b>ELEVATORS (p. 22-24)</b>			
Hall Call Buttons	42" AFF to CL of hall call buttons Buttons 3/4" min. smallest dimension, raised 1/8" Button designating "up" on top, "down" on bottom Internally illuminated white over entire surface Best Practice: leave a 30" x 48" min. clear floor space adjacent to the hall call buttons		
Hall Lantern	Visual and audible signal at each elevator entrance Visual signal 2-1/2" x 2-1/2" min. and visible from near call buttons Audible signal sounds once for "up" and twice for "down," or may announce verbally 72" min. AFF to CL Audible signal for each floor passed		
Floor Indication	On both door jambs on each floor Indicate floor using raised characters 2" high and Braille Main entry level indicated by a raised star, raised number, and "Main" in Braille 60" min. AFF to CL		
Width	68" min. (side door car) 80" min. (center door car)		
Depth	51" min. from rear wall to front wall 54" min. from rear wall to door		
Handrails	Provide on one wall of elevator car, rear wall preferred 1-1/2" from wall surface 32" AFF		
Destination Based Elevator Systems	Best Practice: do not use destination based elevator systems that do not provide accessibility for all people, including those with visual or cognitive disabilities		
Controls	Locate on front wall next to door or, in side opening cars, on side wall adjacent to door Button size: 3/4" min., raised 1/8" 3/8" min. spacing between buttons and nearest tactile item 5/8" min. high raised characters immediately to the left of buttons, with Braille directly below White on black background 48" max. AFF to CL of highest button		
Emergency Phone	15" min. - 48" max. AFF to CL of highest operable part When phone is in an enclosure, ensure that the opening mechanism does not require tight grasping, pinching, or twisting of the wrist to operate		

FEATURE	REQUIREMENT	YES/NO	NOTES
<b>WHEELCHAIR LIFTS</b> <b>(p. 25)</b>			
Landings	60" x 60" min. level landings at top and bottom of lift		
Platform	48" x 32" min. platform		
Doors	32" min. front door, 42" min. side door Use of a platform lift cannot require that a person using a wheelchair back out of the lift unless there is a power operator on the doors		
Maintenance	Platform lifts shall have a yearly service contract, with a signed & dated log of weekly tests Platform lifts shall provide a self-recharging battery backup in case of power failure Include an emergency phone in all platform lifts (See Emergency Phone under Elevators above)		
<b>EMERGENCY EVACUATION SIGNS</b> <b>(p. 26)</b>			
General	Make the info available to everyone, regardless of ability Use raised characters, duplicated in Braille Posted at all required exit stairs, every elevator landing, and inside public entrances		
Mounting Height	48" min. AFF to baseline of lowest tactile element 60" max. AFF to baseline of highest tactile element		
Visually Printed Information	Non-glare finish Contrast light-on dark or dark-on-light 40" min. AFF		
Tactile Information	Use contracted (Grade 2) Braille that duplicates the visual information, below the corresponding text Separated by 3/8" min. from any other tactile character, raised border or decorative element		
Raised Characters	1/32" min. raised above background Uppercase Sans serif font Height of characters 5/8" min. to 2" max.		
<b>Restroom Signs</b> <b>(p. 27-28)</b>			
Room ID Sign	60" AFF to CL of pictogram area on sign 60" max. AFF to baseline of highest tactile character 6" min. pictogram area outside dimension, accompanies by text and Braille description directly below <b>Text:</b> 5/8" min. character height (2" max.), raised 1/32" min., sans serif upper case characters <b>Braille:</b> Contracted (Grade 2) Braille, dots 1/10" apart on center in each cell, 2/10" space between cells, dots raised 1/40" min. Characters and symbols contrast with background		

FEATURE	REQUIREMENT	YES/NO	NOTES
Geometric Symbols	<p>Geometric symbol shall contrast door (light-on-dark or dark-on-light, blue background with white symbols is typical)</p> <p>Geometric symbols should be placed at ALL restrooms to identify gender</p> <p>ISA only used at accessible restrooms</p> <p>Corners have min. 1/8" radius</p> <p>Ease edges of sign</p> <p>1/4" thick</p> <p><b>Men's Room:</b> Equilateral triangle, 12" long edges, vertex pointing up</p> <p><b>Women's Room:</b> Circle, 12" diameter</p> <p><b>Unisex Room:</b> Equilateral triangle, vertex pointing up, on top of and within the boundaries of a 12" diameter circle</p> <p>Best Practice: do not put raised characters, symbols or Braille on geometric symbols</p>		
Placement	<p>Geometric symbol shall be placed along the horizontal centerline of restroom door</p> <p>Room ID sign and geometric symbol centerlines at 60" AFF</p> <p>Room ID sign 3" min. outside door swing on wall on latch side of door</p>		
<b>TOILET FACILITIES</b> <b>(p. 29-36)</b>			
Number of Acc. Stalls	<p>Min. 1 wheelchair accessible stall</p> <p>Where there are 6+ stalls and/or urinals, provide at least 1 ambulatory accessible stall</p>		
Clear Path	<p>Min. 44" wide clear path from entrance to all accessible features</p>		
Wheelchair Accessible Stall	<p>Provide grab bars on side and rear walls</p> <p>18" to CL of toilet from side wall</p> <p>Flush controls on wide side of toilet</p> <p><b>Side Entry Stall:</b></p> <p>60" min. width from side wall</p> <p>60" min. depth from rear wall</p> <p>34" min. door at 4" max. from hinge to wall</p> <p><b>End Entry Stall:</b></p> <p>60" min. width from side wall</p> <p>56" min. (wall hung toilet) or 59" min. (floor mounted toilet) depth from rear wall</p> <p>32" min. door at 4" max. from hinge to wall</p>		
Ambulatory Accessible Stall	<p>60" min. depth from rear wall</p> <p>36" width between side walls or partitions</p> <p>Provide grab bars on both side walls/partitions</p> <p>32" min. door</p>		
Urinals	<p>Where more than 1 urinal is provided, at least 1 urinal shall be accessible</p> <p>17" max. AFF to top of rim (wall mounted)</p> <p>14" - 17" depth from wall to outer surface of rim (wall or stall type urinal)</p> <p>Flush controls shall be 44" max. AFF</p> <p>30" x 48" clear floor space in front of urinal for a front approach</p>		

FEATURE	REQUIREMENT	Yes/No	NOTES
Grab Bars	<p><b>Side:</b> 42" min. length 12" max. from rear wall to near end of grab bar 54" min. from rear wall to far end of grab bar 33" AFF to CL</p> <p><b>Rear:</b> 36" min. length 12" min. on one side of CL of toilet, 24" min. on other side 33" AFF to CL (may go up to 36" if toilet tank interferes with mounting height on rear grab bar only)</p>		
Fixtures	<p><b>Hooks:</b> 48" AFF to hights operable part, side wall preferred Toilet Seat Cover Dispenser: 40" max. to operable part, do not place behind toilet</p> <p><b>Toilet Paper Dispenser:</b> 36" max. from back wall to front end of dispenser 7" - 9" from front of toilet to CL of dispenser 19" min. AFF to CL of dispenser, mounted below grab bar, do not use large dual roll dispensers</p> <p><b>Other fixtures (i.e. Paper Towel Dispensers, Hand Dryers, Trash Cans, Sanitary Napkin/Tampon Dispensers, etc.):</b> Where provided, at least one of each type must be on an accessible route, and have all operable parts, including coin slots, mounted at 44" max. AFF Fixtures with lowest edge between 27" and 80" must not protrude more than 4" from wall Best Practice: Use recessed, semi-recessed, or slimline fixtures Best Practice: Use fixed trash cans to keep accessible routes clear</p>		
<b>LAVATORIES (p. 37-38)</b>			
General	Min. 5% (but not <1) of lavatories must be accessible 40" max. AFF to bottom of mirrors placed above lavatories		
Mounting Height	34" max. to top of lavatory/counter		
Knee Clearance	29" min. AFF at front of lavatory or counter 27" min. AFF (29" recommended) at 8" deep from front of lavatory/counter		
Toe Clearance	9" min. high at 6" max. from wall		
Protected Pipes	Insulate or cover all hot water and drain pipes		
Clear Floor Space	30" x 48" min. clear floor space in front of lavatories		
Depth	17" min. from back wall to front of lavatory/counter 11" min. depth of knee clearance before toe clearance		
Faucet/Controls	Operable with one hand, with no tight grasping, pinching, or twisting of the wrist Max 5 lbs. of force to operate 25" max. reach from front of lavatory or counter to front of controls Use a temperature control valve to keep water from reaching scalding temperatures		
Distance from Wall/Partition	18" min.		

FEATURE	REQUIREMENT	YES/NO	NOTES
<b>TELEPHONES (p. 39)</b>			
Number of Accessible Phones	Min. 50% (but not <1) of public phones must be accessible		
TTY	Where there are 4+ public phones, provide at least 1 TTY with appropriate signage If on shelf adjacent to phones, 34" AFF to top of shelf, with 27" min. knee clearance beneath		
Mounting Height	48" max. to highest operable part		
Clear Floor Space	30" x 48" clear floor space for front or side approach		
Volume Control	At least 25% (but not <1) of public phones must have volume control with appropriate symbol		
ISA	Place white ISA pictogram on blue background at all accessible phones		
<b>PROTRUDING OBJECTS (p.40)</b>			
Protrusion Limits	4" max. protrusion for all objects whose leading edge is between 27" and 80" AFF		
Vertical Clearance/Headroom	80" min. clear AFF Where it is less than 80", provide a guardrail or barrier at 27" max. AFF		
Post-Mounted Objects	Free-standing post-mounted objects may overhang 12" max. when they are between 27" and 80" AFF		
Double Post-Mounted Objects	When a sign or object is mounted between 2 postes 12" or more apart, the lower edge shall be 27" max. or 80" min. AFF		
<b>REACH RANGES (p. 41)</b>			
Side Reach	48" max. AFF 15" min. AFF 30" min. clear floor space 10" max. from wall/operable parts		
Side Reach, Obstructed	46" max. AFF for an obstruction 24" max. deep x 34" max. high		
Front Reach	48" max. AFF 15" min. AFF 48" min. clear floor space		
Front Reach, Obstructed	48" max. AFF if obstruction is < 20" deep 44" max. AFF if obstruction is 20" - 25" deep Obstruction: 25" max. deep x 34" max. high		
<b>DINING &amp; BAR SEATING (p. 42-44)</b>			
Required # Accessible	At least 5% (but never < 1) of all tables, seating, counters, bars, and/or dining surfaces must be accessible Where there is more than 1 accessible space, these spaces must be dispersed throuout the area or facility Where there are multiple functional areas (i.e. bar and dining room), there must be at least 1 accessible space per area		
Clear Floor Space	30" x 48" min. clear floor space at each accessible seating spot		
Tables	28" min. to 34" max. AFF to table top 27" min. (29" preferred) knee clearance under table 30" min. clear width under table 19" min. clear depth		

FEATURE	REQUIREMENT	Yes/No	NOTES
Banquette Seating	30" x 48" min. clear floor space 28" min. to 34" max. AFF to table top 27" min. (29" preferred) knee clearance under table 30" min. clear width under table 19" min. clear depth		
Bar/Counter Seating	Must provide min. 60" long lowered counter/ bar section that extends from employee side to customer side 19" min. deep x 27" min. (29" preferred) high knee clearance 28" min. to 34" max. AFF to top of bar/counter		
<b>PATH OF TRAVEL (p. 45)</b>			
Clear Path	36" min. clear width path between tables, seats, and other obstacles, even with patrons seated at tables, from entrance, through dining area, to accessible restrooms Train employees to keep this path clear at all times		
<b>SEATING CHART (p.46)</b>			
Accessible Seating	Dispersed throughout facility At least one accessible seating space per functional area Train employees to fill accessible spaces last, to ensure their availability		
<b>MENUS</b>			
Menus in alternate formats	Braille, Large Print, Pictorial, Sign Language, High Contrast, Read aloud, Language other than English		
<b>OTHER</b>			



# Designing Accessible Communities

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