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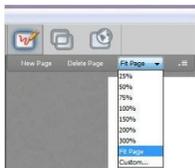
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Customize Your View *continued*



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Protruding Objects

Presenters



Rex Pace



Earlene Sesker

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Session Agenda

- Scoping
- Technical
- Maintenance
- Exceptions
- Outdoor Developed Areas
- Public Rights of Way
- Other Issues

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Individuals Who are Blind or Have Low Vision



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Detection Cane Technique

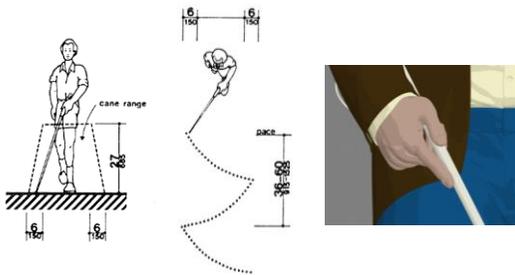


Fig. A4 Cane Technique

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Wayfinding

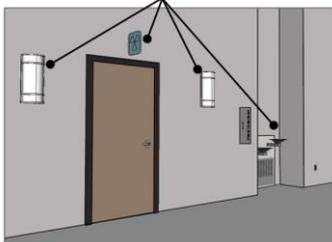


Cane detection along walls – “shoreline”

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Types of Protruding Objects

Examples of protruding objects



Standards sets protrusion limits into circulation paths

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Protruding Objects (§ 204)

Scoping:
Applies to each
circulation path –
not just accessible
routes



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What is a circulation path?

106.5 Defined Terms

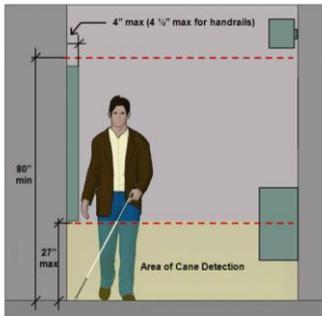
Intended Purpose

Circulation Path. An exterior or interior way of passage provided for pedestrian travel, including but not limited to, walks, hallways, courtyards, elevators, platform lifts, ramps, stairways, and landings.



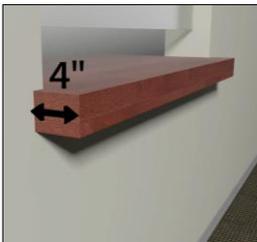
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Protrusion Limits (§307.2)



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Protrusion Limits (§307.2)



4" Measured from the Circulation Path

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Protrusion Limits (§307.2)



If side panels meet limits, knee space not typically part of circulation path

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Handrail Exception (§307.2)



Handrails are permitted to protrude 4½ inches max

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Post-mounted Objects

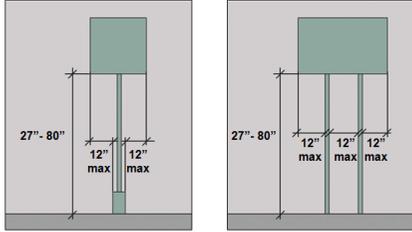


Different protrusion limits apply to objects mounted on posts

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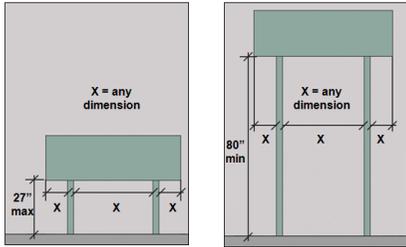
Post-Mounted Objects (§307.3)

Objects with leading edges 27" - 80" high on posts/ pylons:
12" max. protrusion into circulation paths.

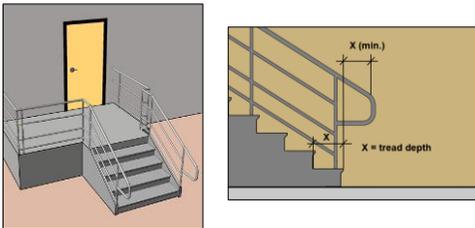


Post-Mounted Objects (§307.3)

Post-mounted objects with leading edges 27" max or above 80" can protrude any amount



Handrail Exception (§307.3)

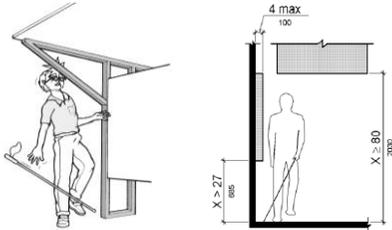


Sloping portions of handrails on stairs and ramps are not required to comply

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Vertical Clearance (§307.4)

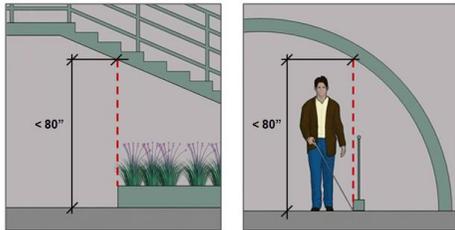
A vertical clearance of 80 inches high minimum must be provided



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Vertical Clearance

80" min. vertical clearance – guardrails or other barriers required where clearance < 80" (leading edge 27" high max.)

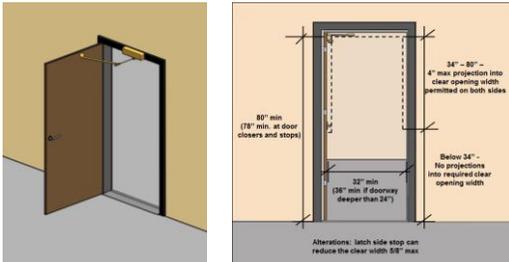


Reduced Clearance Below Stairway

Clearance Reduced at Curved (or Sloped Walls)

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Door Exception (§307.4)



Door closers and door stops are permitted to be 78 inches min. above the finish floor or ground

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Common Protruding Objects

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They're Everywhere



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Fire Extinguisher Cabinets



Recessed into wall or detectable barrier beneath

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Wall Mounted TVs and Monitors



detectable feature below

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Drinking Fountains



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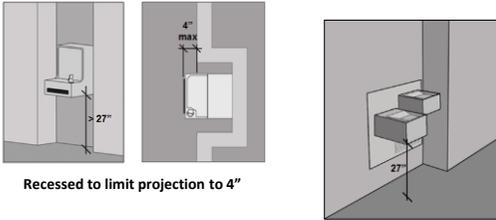
Drinking Fountains



27" absolute to be accessible and detectable

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Drinking Fountains



Recessed to limit projection to 4"

Wheelchair accessible unit (27" high absolute)
can enclose one side of high units

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Drinking Fountains



Built-in seating benches used to create
detectable barriers

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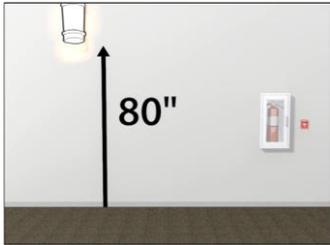
Lavatories



Location is critical

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Wall Lighting Sconces



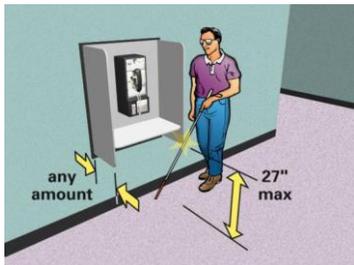
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Shelves and Coat Rods



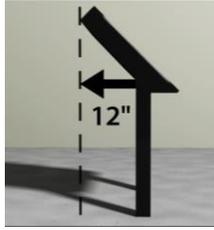
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Telephone Booths



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Tilted Displays



12" max. if no
detectable element

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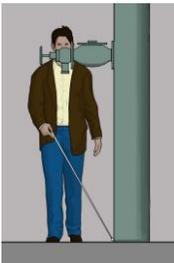
Tilted Displays



Space between post
supports



Standpipes and Valves



valve size and height above floor

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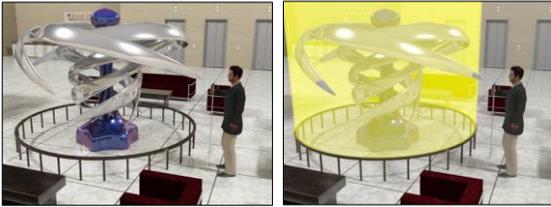
Sculptures



Detectable base or barrier

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Sculptures



Detectable base or barrier

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Open Stairways



Vertical clearance requirements



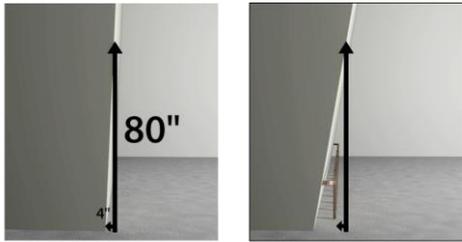
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Overhead Signs



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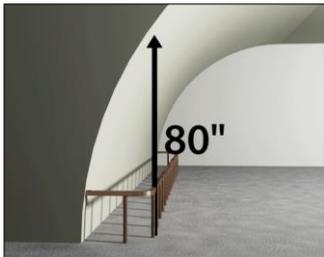
Sloped and Curved Walls



4" and 80" Working Together

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Sloped and Curved Walls



Plumb Down for Curved Walls

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Detectable Barriers



Feature must be fixed

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Maintenance of Accessible Features

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Maintenance



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Temporary Features



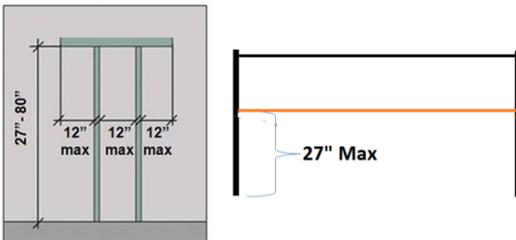
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Queue Lines



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Queue Lines



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Folding Chart Tables and File Holders



Fold-up after use to avoid obstacles and preserve clearances

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Exam Room Status Flags



Flag signs used in medical settings cannot protrude into circulation paths unless above 80"

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Exceptions

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Areas of Sport Activity (§204.1)



204.1 General – EXCEPTION 1 - Within areas of sport activity, circulation paths are not required to comply with 307

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Protruding Objects - Play Areas

204.1 General – EXCEPTION 2 - not be required to comply with 307 if ground level accessible routes provide vertical clearance in compliance with 1008.2.

1008.2 Accessible Routes – 80" vertical clearance required on **ground level** routes, clear floor spaces, and maneuvering spaces.

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Applying the Standards



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Wheelchair Spaces - Amusement Rides



1002.4.4 Clearances – Exception 2 - not required to comply with 307.4 Vertical Clearance

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Outdoor Developed Areas

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Architectural Barriers Act (ABA)

New Standards for outdoor developed areas on property owned by Federal agencies address:

- Trails
- Picnic & camping areas
- Viewing areas
- Outdoor recreation access routes
- Beach access routes



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Protruding Objects

- Outdoor recreation access routes (ORAR)
- Pedestrian Trails
- Beach access routes (BAR)



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Protruding Objects

1016.9, 1017.9, and 1018.9:

Constructed elements
On ORARs, Trails
and BARs and
associated resting
intervals and passing
spaces **must comply**
with 307



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Constructed Features



Covered by 307 protruding objects

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Natural Features



**Not covered by
307 protruding
objects**

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Public Rights-of-Way

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Proposed R210 and R402 Protruding Objects



**Must comply within entire width of the
circulation path – beyond pedestrian access
routes**

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Proposed Difference from Standards

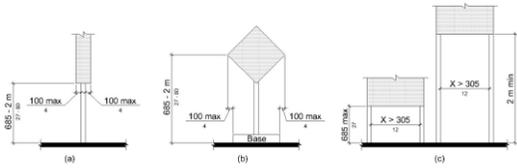


Figure R402.3 Post-Mounted Objects

Post and Wall-mounted objects have same technical Requirements

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PROW

Protruding Object Concerns



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Shared Use Paths



Protruding object provisions proposed to be same as PROW except minimum vertical clearance of 8'-0"

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Other Issues

- Detectable Warnings
- Tactile Characters and Braille
- Visual Contrast and Surface Finish
- Audible Cues
- Speech Output

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Detectable Warnings



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Technical Guides on the Standards

Available on the Board's website



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Questions?

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Course Title: Protruding Objects
Course Number: GL20160107
Date: January 7, 2016



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