

alphaOne

Redefining Disability

SustainABLE for ME:

MuseumABLE: Inclusive Experiences

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Jill Johanning, AIA

...and featuring: Karen Perry

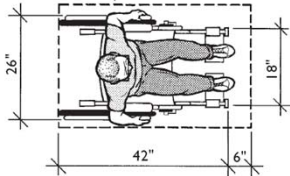
South Portland Bangor Presque Isle

DESIGN FOR PEOPLE

2017 ANSI A117.1:
30" x 48" (except existing)

30" X 48" clear floor space

footrests and toes may extend farther for some people




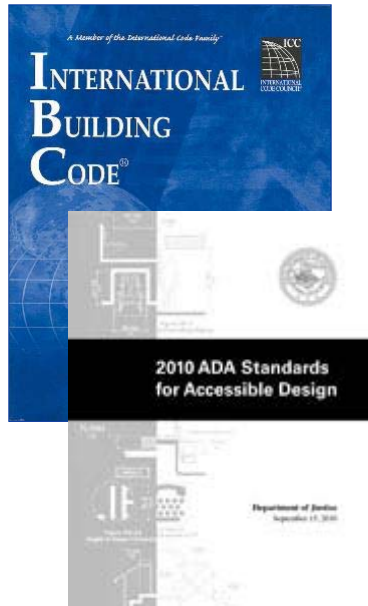
31" to 32-1/2" 28" 32"

Space Necessary for Adults Using Crutches or Walker Minimum Space Necessary for Person with a Service Animal

Space Allowances and Approximate Dimensions of Adult-Sized Wheelchairs

Drawings: Fair Housing Act Design Manual





2010 ADA Standards of Accessible Design

EVERYTHING is accessible, unless it meets an exemption

2015 IBC

“Everything must be accessible, and then allow for a degree of inaccessibility that is logical and reasonable.”

2015 IEBC

“The intent is that when a building is altered, it should be made accessible to the maximum extent possible within reason.” Section 410

Applies to all fixed/built in elements

What am I offering, and how is it going to be different for someone with a disability?



EXISTING FACILITIES

NO GRANDFATHERING

Obligations for accessibility even when no alterations are planned.

Businesses have a continuing obligation to remove architectural barriers in existing facilities when it is “readily achievable” (“easily accomplishable without much difficulty or expense”).

- Based on the size and resources
- Will vary from business to business
- Sometimes from year to year



HISTORIC
PRESERVATION
(35.151(B)(3)/36.405)

No GRANDFATHERING



If it is not feasible to provide access to an historic property that will not **threaten or destroy the historic significance of the building or facility**, alternative methods of access shall be used



TECHNICALLY INFEASIBLE

Structural conditions would require removing or altering a load-bearing member that is an essential part of the structural frame

or

Physical or site constraints prohibit modification or addition of elements, spaces, or features that are in full and strict compliance with the minimum requirements.





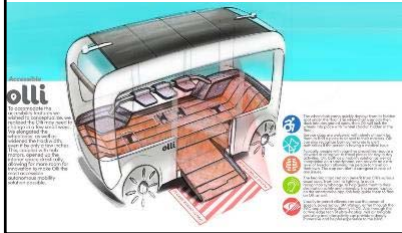
PARKING

- ACCESS AISLE
- SIGNS
- ACCESSIBLE SURFACE
- ACCESSIBLE ROUTE



SHUTTLES/TOURS

- AUDIO
- MOBILITY DEVICES





SURFACES

FIRM, STABLE AND
SLIP RESISTANT



CAMPUS ACCESS

HISTORIC EXAMPLES:
STURBRIDGE VILLAGE
POMPEII



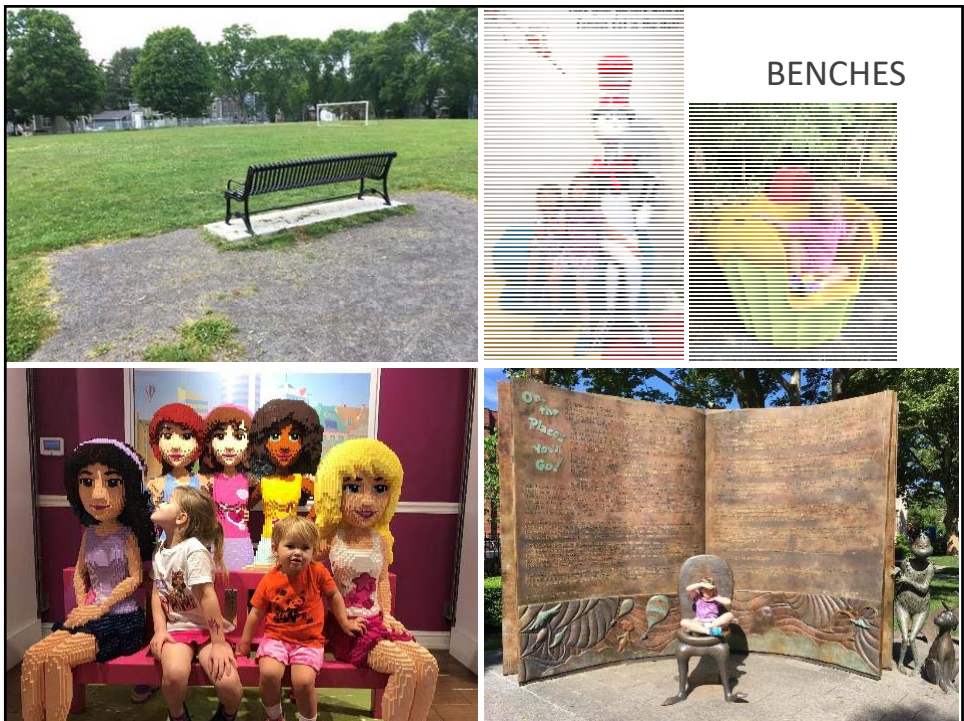


CAMPUS ACCESS

EXTERIOR
CIRCULATION

GARDENS/ART

MAINTENANCE



BENCHES



FURNITURE PLACES TO REST



RELAY

“But what if these robots were simpler, more like the assistive devices? What if they were invisible, like furniture? What if they actually *were* furniture?”

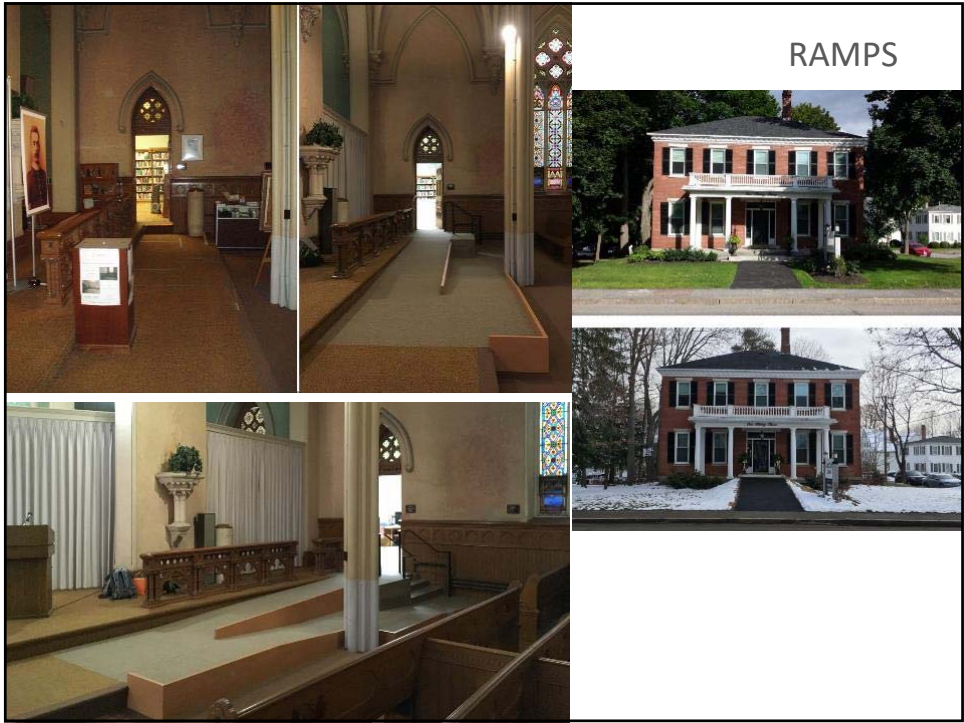


TEMPORARY EVENTS

GRASS = POOR ACCESS







RAMPS



STAIRS & HANDRAILS

- Graspable handrails on both sides
- Returned extensions at top and bottom
- 7:11 minimum closed treads
- Nosing





LIFTS

VERTICAL PLATFORM LIFTS

PORTABLE LIFTS

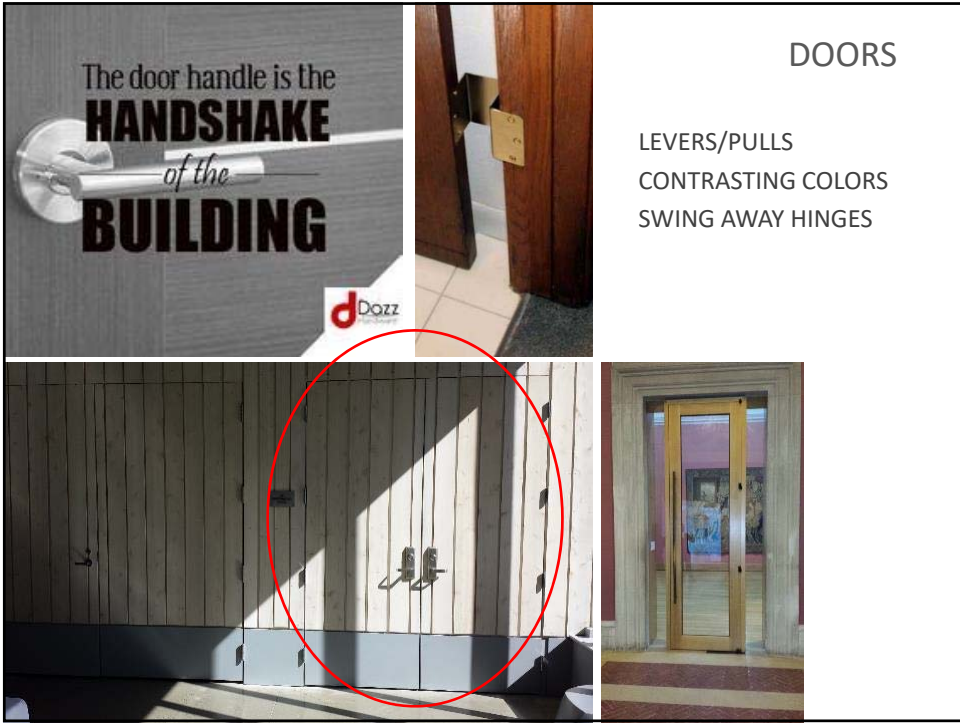
INCLINED PLATFORM LIFTS



PORTABLE RAMPS

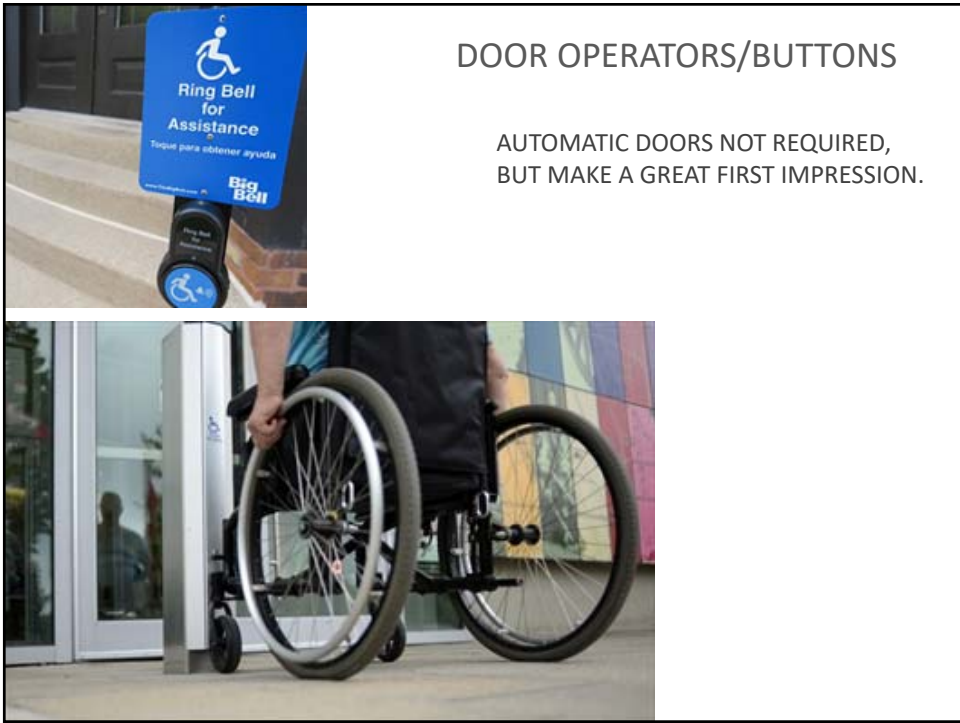
EXISTING FACILITIES





DOORS

- LEVERS/PULLS
- CONTRASTING COLORS
- SWING AWAY HINGES

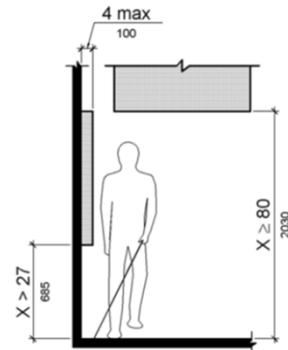


DOOR OPERATORS/BUTTONS

AUTOMATIC DOORS NOT REQUIRED,
BUT MAKE A GREAT FIRST IMPRESSION.



PROTRUDING OBJECTS

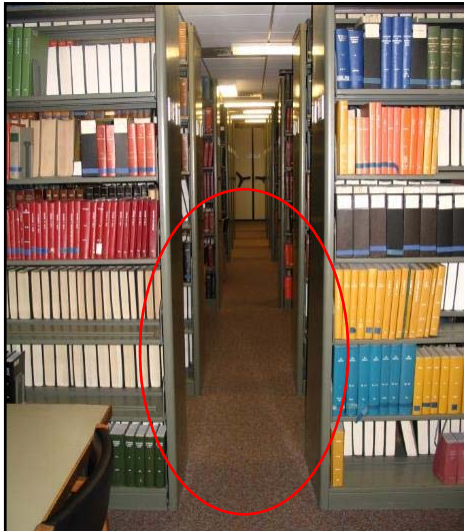


PROTRUDING OBJECTS (204/307)

Provide objects in alcoves and/or with bases for cane detection.



WBRC Architects
Equipment



CIRCULATION
36 INCHES ACCESSIBLE ROUTE
CONTRASTING COLORS
LIGHTING/GLARE/ACOUSTICS



EXHIBITS

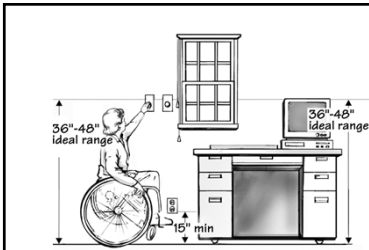
VIEWING HEIGHTS





EXHIBITS

VIEWING SURFACES



EXHIBITS

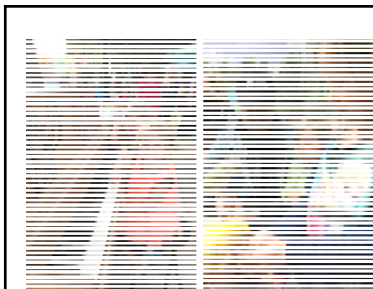
LOW HEIGHTS





EXHIBITS

- TACTILE
- LASER PRINTERS
- 3D PRINTERS
- REPRODUCTIONS



EXHIBITS

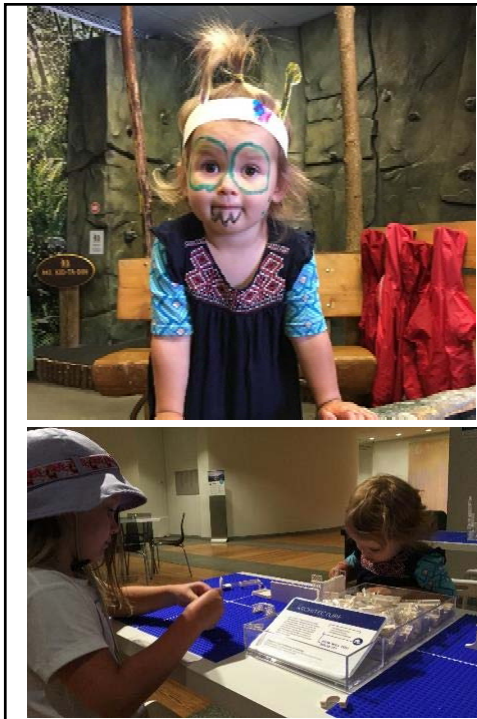
- INTERACTIVE





EXHIBITS

“Tangky Murphy, an interpreter at the Single Brothers House in Old Salem, shows items from her “Experience Box.” The boxes contain items that were a part of everyday life for Moravians and are designed to make the experience of visiting Old Salem more immersive and tactile. Efforts are also underway to make the buildings more accessible to visitors with disabilities.”
 Photo by David Rolfe/Journal



EXHIBITS

PROGRAMMING



EXHIBITS

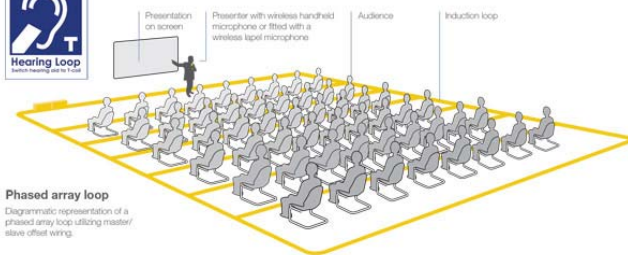
AUDIO TOURS



ASSISTED LISTENING DEVICES



Required where audible communication is integral to the use of the space, but are not required where audio amplification is not provided.



Number of required receivers based on seating capacity.





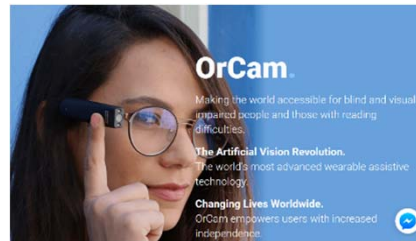
APPS/MEDIA

CANADIAN MUSEUM FOR
HUMAN RIGHTS

AUDIO

CAPTIONS

AMERICAN SIGN LANGUAGE (ASL)



EXHIBITS

VIDEOS OF SPACES THAT ARE NOT
ACCESSIBLE

VIRTUAL REALITY:

Dutch theme park Efteling





TECHNOLOGY

MAPTIC
“It includes a LIDAR sensor that visually scans the world around you and sends information about which direction to go, using vibrating wearables that users wear like bracelets on their wrists.”



Courtesy of DePaul
Music Not Impossible



SUPPORT SPACE

COUNTERS
36 INCHES HIGH MAX

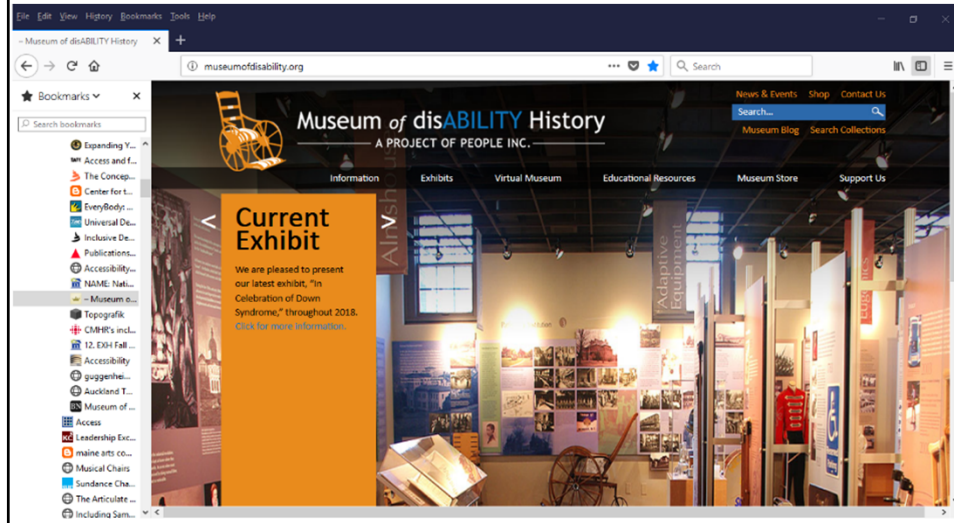
WORK SURFACES
34 INCHES MAX





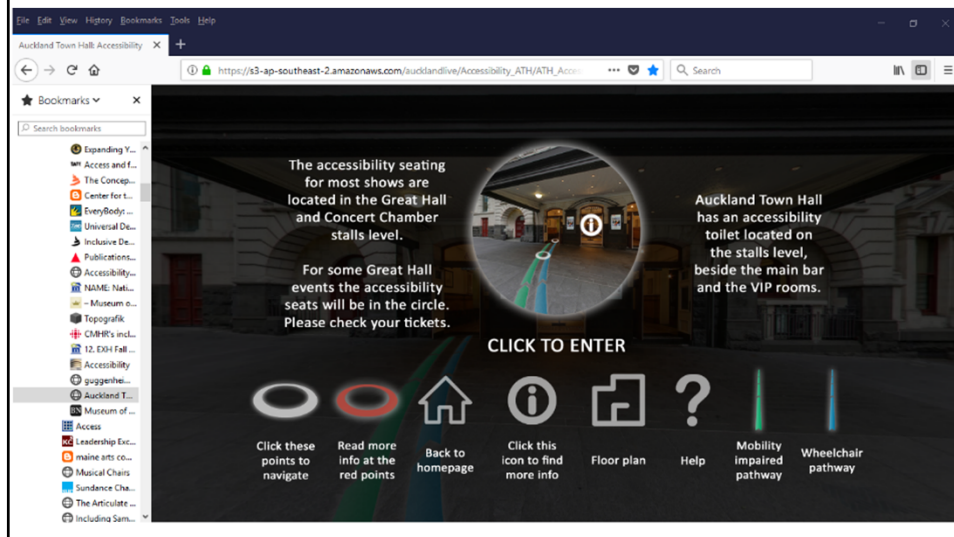
WEBSITE


DESCRIPTION OF FACILITIES/EXPERIENCE SCREEN READER MEDIA



WEBSITE


VIRTUAL TOUR





DESIGN RESOURCES
DR-22 Tactile Maps as Navigational Aids

VISITING THE GUGGENHEIM
For families with kids on the autism spectrum




GUGGENHEIM

RESOURCES

GUIDES AND CHECKLISTS AVAILABLE TO HELP

DRAFT FOR OPEN COMMENT 10/01/2018



Design for Accessibility
A Cultural Administrator's Handbook

homemcr.org/access

Society of American Archivists
Guidelines for Accessible Archives for People with Disabilities

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Society of American Archivists

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