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A collaborative program between the ADA National Network and the US Access Board

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## Presenters



**Peggy Greenwell**

**Paul Beatty**

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## Accessible Marinas and Boating Facilities

Session Agenda

- ADA and ABA Standards (facilities covered)
- Newly constructed vs. existing marinas
- Other related provisions
- Boating facility provisions
- Alterations
- Questions

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## Americans with Disabilities Act

Title II covers:

- State and Local government Facilities



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## Americans with Disabilities Act

Title III covers:

- Commercial Facilities
- Places of Public Accommodation
- Non-Profit as well as For-Profit



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## Architectural Barriers Act

Covers:

- Facilities that are designed, constructed, altered, or leased by, or on behalf of the United States.
- Facilities receiving certain types of Federal Financial assistance.



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## New Standards Under the ADA & ABA

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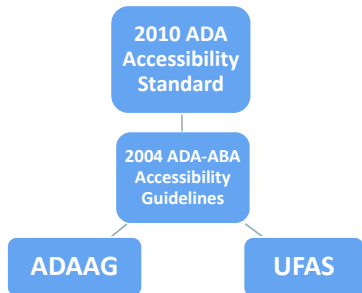
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## Updated Accessibility Guidelines and Standards



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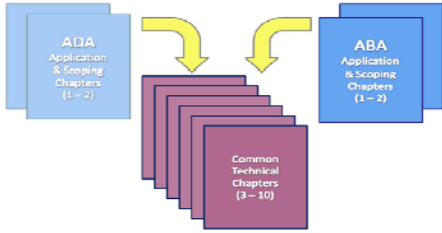
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## Updated ADA and ABA Guidelines (2004)



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## DOJ's Revised ADA Rule (Regulations)

- Nondiscrimination policies
- 2010 Standards
  - New construction and Alterations
  - Additional design requirements
- Application of 2010 Standards to Existing facilities



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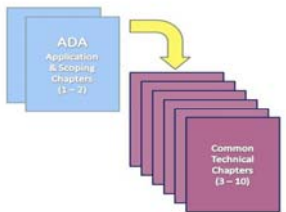
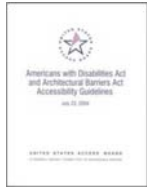
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## DOJ's ADA Standards (2010)

Excluding ABA Chapters 1 & 2 (pp. 72 – 140)

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# New Construction

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## New ADA Standards

DOJ's 2010 standards  
(mandatory March 15, 2012)



Based on the Board's ADA-ABA Guidelines  
(2004)

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## Architectural Barriers Act Accessibility Standards (Federal facilities)

- Similar standards in effect for all federally funded facilities (except housing)
- Effective May 8, 2006 (February 6, 2007 for leased facilities) for new construction alteration



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## Locating Provisions

- Table of Contents
- ADA Application and Scoping
  - ADA Chapter 1: Application and Administration
  - ADA Chapter 2: Scoping Requirements
- ABA Application and Scoping
  - ABA Chapter 1: Application and Administration
  - ABA Chapter 2: Scoping Requirements
- Technical Chapters
  - Chapter 3: Building Blocks
  - Chapter 4: Accessible Routes
  - Chapter 5: General Site and Building Elements
  - Chapter 6: Plumbing Elements and Facilities
  - Chapter 7: Communication Elements and Features
  - Chapter 8: Special Rooms, Spaces and Elements
  - Chapter 9: Built-In Elements
  - Chapter 10: Recreation Facilities

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## Existing Facilities

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### What Standards Apply to Existing ADA Facilities?

- Title II — Program accessibility
- Title III — Readily achievable barrier removal

*For more information, contact DOJ @ 800 514-0301*

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## Safe Harbor – Existing Facilities

- Elements that comply with 1991 Standards do not need to be modified to meet the 2010 Standards unless those elements are altered on or after March 15, 2012.

Safe Harbor does not apply to elements in existing facilities that were not subject to specific requirements in the 1991 Standards

*For more information, contact DOJ @ 800 514-0301*

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## Elements in 2010 Standards Not Subject to Safe Harbor

- |   |   |
|---|---|
| (A) Residential facilities and dwelling units | (I) Saunas and steam rooms                      |
| (B) Amusement rides                           | (J) Swimming pools, wading pools, and spas      |
| (C) Recreational boating facilities           | (K) Shooting facilities with firing positions,  |
| (D) Exercise machines and equipment           | (L) Miscellaneous.                              |
| (E) Fishing piers and platforms               | (1) Team or player seating                      |
| (F) Golf facilities                           | (2) Accessible route to bowling lanes           |
| (G) Miniature golf facilities                 | (3) Accessible route in court sports facilities |
| (H) Play areas                                |   |

*For more information, contact DOJ @ 800 514-0301*

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## Other Facility Provisions

PARKING, TOILET AND BATHING ROOMS, RETAIL SPACES, LOCKER ROOMS, MARINA OFFICE, RESTURANTS, BARS, AND OTHER SPACES AND ELEMENTS

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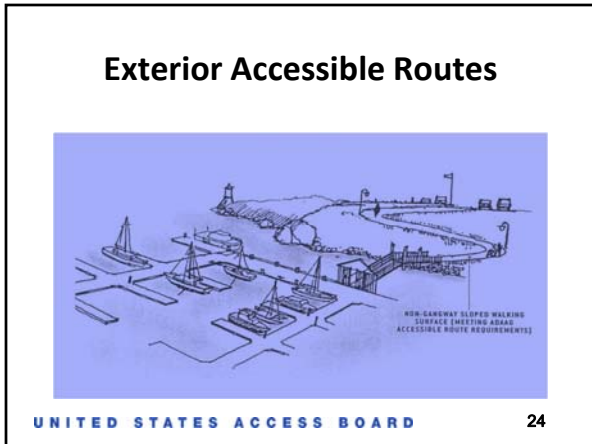
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# Accessible Vehicle Parking



Total Parking in Lot	Required Minimum Number of Accessible Spaces
1 to 25	1
26 to 50	2
51 to 75	3
76 to 100	4
101 to 150	5
151 to 200	6
201 to 300	7
301 to 400	8
401 to 500	9
501 to 1000	2 percent of total
1001 and over	20 plus 1 for each 100 over 1000

**1 OF EVERY 6 = VAN SPACE**

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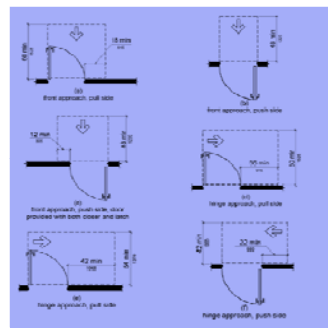
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# Accessible Door Clearances




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# Interior Accessible Routes




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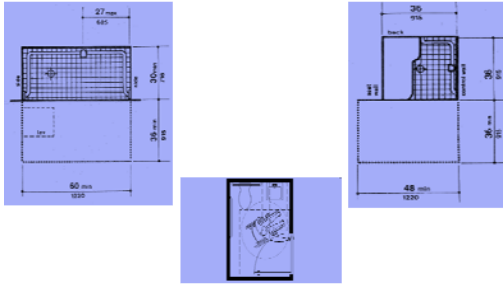
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## Toilet and Bathing Facilities



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## Water Closet Clearance

No longer permitted under new standards



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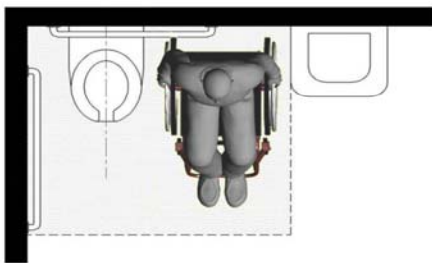
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## Water Closet Clearance

Allows space for side transfers



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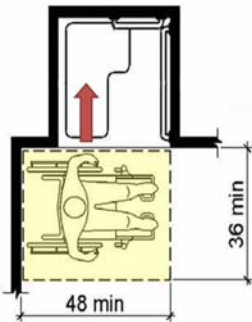
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## Transfer Stall



Clear floor space positioned for alignment with seat

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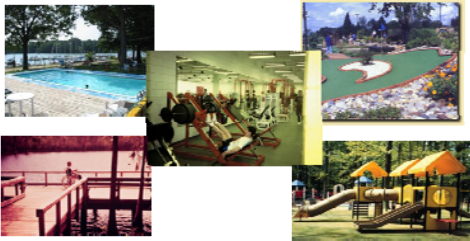
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## Recreation Facilities



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## Boating Facility Provisions

Accessible routes, boat slips, boarding piers at boat launch ramps

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## Recreational Boating Facilities *Section 235*

- Number of boat slips required to be accessible (based on the number of slips provided)
- Dispersion of accessible boat slips throughout the various types provided
- Number of boarding piers at boat launch ramps required to be accessible.

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## Technical Provisions *Section 1003*

- Fixed and floating facilities
- Accessible routes
- Gangways
- Accessible boat slips
- Boarding piers at boat launch ramps



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## How Guidelines Apply



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## Fixed Boating Facilities



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## Floating Boating Facilities



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## Gangways



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## Gangway Slope

- Gangway slope – connecting floating facilities

- Design for 1:12 maximum slope OR provide at least an 80 foot gangway



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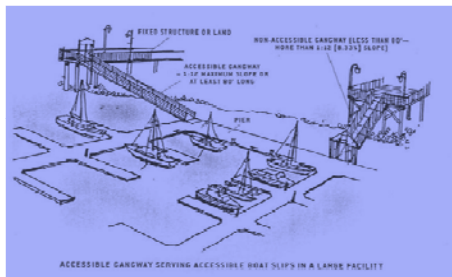
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## Gangways Connecting Accessible Boat Slips



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## Gangway – Small Facilities

Less than 25 boat slips, the slope of the gangway may exceed 1:12 (8:33%), if the gangway is at least 30 feet long



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## Gangway - Rise



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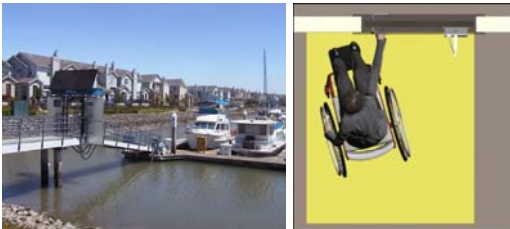
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## Gangways – Gates and Doors



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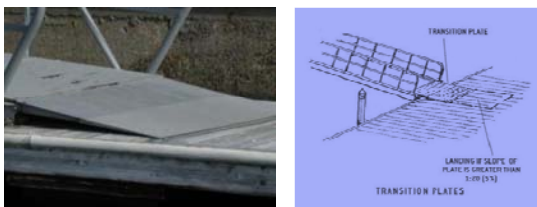
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## Gangway – Transition Plates



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### Gangway – Handrail Extensions



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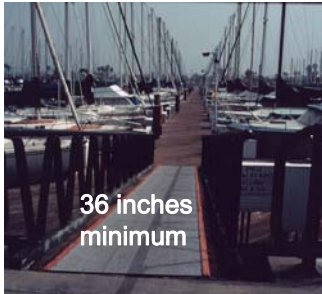
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### Gangway – Width



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### Cross Slope – Gangways, Transition Plates, and Floating Piers



1:50 maximum measured in the static position

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## Fixed Ramps on Floating Facilities

Follow accessible route requirements - maximum 1:12 slope, landings every 30 feet, edge protection, handrails, etc.



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## Route Leading to Accessible Boat Slips



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## Use of Elevators and Platform Lifts



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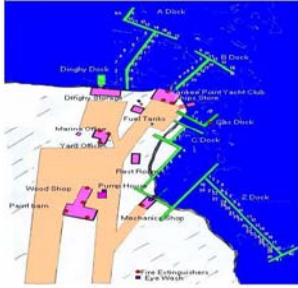
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## Boat Slips



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## Boat Slips

- Number of accessible boat slips
- Uses modified vehicle parking table

Boat Slips Provided	Minimum Accessible
1-25	1
26-50	2
51-100	3
101-150	4
151-300	5
301-400	6
401-500	7
501-600	8
601-700	9
701-800	10
801-900	11
901-1000	12
1001 and over	*
	*12 + 1 for each 100 or fraction thereof

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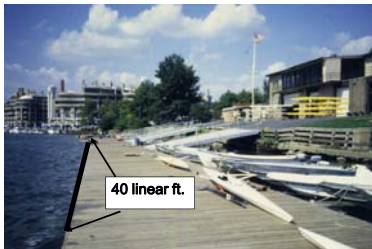
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## Boat Slips



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## Accessible Boat Slips

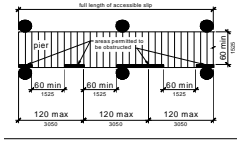


Fig. 59  
Pier Clearances

- Accessible boat slip – 60 inches width of clear pier space
- Where obstructed, at least one opening of 60 inches in width every 10 feet
- Edge protection permitted

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## Transfer Methods



Not required by the standards

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## Accessible Boat Slips – Clear Space Reduction

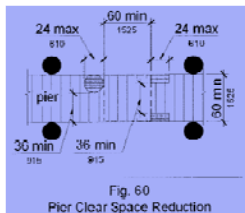


Fig. 60  
Pier Clear Space Reduction



REQUIRED CLEAR SPACE FOR 60-FOOT PIER

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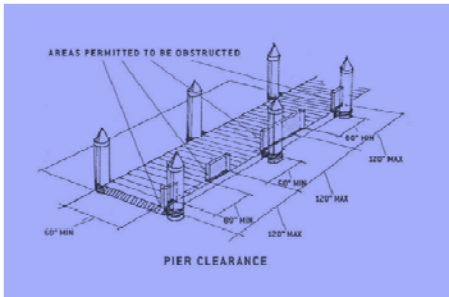
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## Accessible Boat Slips



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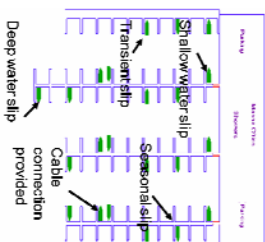
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## Accessible Boat Slips - Dispersion



- Dispersed throughout the various types of slips provided
- Does not require an increase in the number of slips required to be accessible

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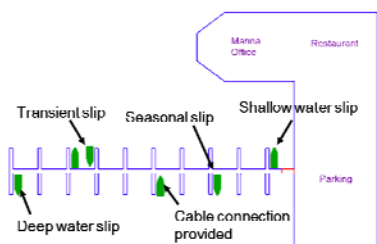
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## Accessible Boat Slips - Dispersion



Clustering of accessible slips is permitted

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## Accessible Boat Slips – Identification

### *No requirement for identification*

- Not reserved in the same way as accessible vehicle parking spaces
- Make information regarding accessible boat slips available in promotional material or a facility guide
- Contact DOJ on operational issues

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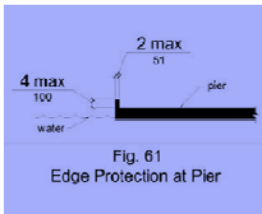
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## Accessible Boat Slips – Edge Protection



- Edge protection is not required
- If provided at opening...
- 4 inches high maximum and 2 inches deep maximum at the continuous clear openings

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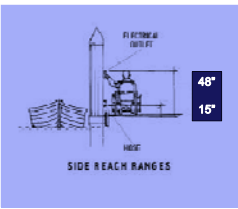
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## Accessible Boat Slips – Hose Bibbs, Water Supply Hoses, Outlets for Electric, Cable, etc.



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### Accessible Boat Slips – Cleats and Other Securement Devices



Not required to be located within reach ranges

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### Boarding Piers at Launch Ramps

- Where gangways connect
  - Design for 1:12 OR provide at least a 30 foot gangway
- Accessible route within boat launch ramp – maximum slope does not apply



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### Boarding Piers at Boat Launch Ramps - Clearances



- Entire length of the boarding pier must be 60 inches wide minimum
- Every 10 feet maximum of pier edge must have at least one clear opening 60 inches in length

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## Launch Ramps without Boarding Piers



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## Alterations to Existing Facilities

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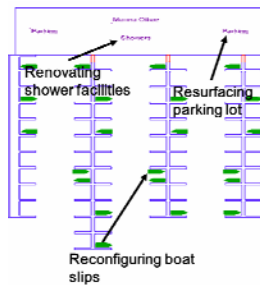
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## What's Considered an Alteration?

- Examples of alterations
  - Redesigning boat slips
  - Replacement of floating docks
  - Re-surfacing parking lot
- Painting, re-roofing, and general maintenance activities are not considered an alteration



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## Requirements for Alterations

- Follow accessibility standards new construction
- “Technically infeasible”
- “What you touch - you fix”
- Alterations to “primary function areas” carry additional obligation



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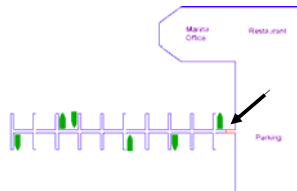
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## Requirements for Alterations – Path of Travel Obligations

- Where alteration is made to “primary function area”
- Area altered must be done in compliance with standards along with an accessible “path of travel” to the altered area
- 20% disproportionate rule



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## Gangway – Alteration



- Where an existing gangway is replaced or altered, an increase in the length is not required (unless required by path of travel obligations)

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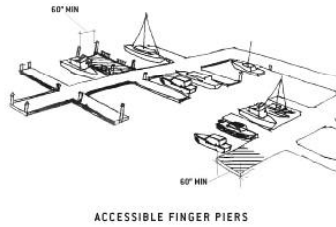
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## Accessible Boat Slips – Alterations



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## Technical Assistance Material



<http://www.access-board.gov/indexes/pubsindex.htm>

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## Questions?

You May Type and Submit questions in the Chat Area Text Box or press Control-M and enter text in the Chat Area

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**Thank you for participating  
in today's webinar**



**Next scheduled session:**

**“ACCESSIBLE SCHOOLS”**

**December 1, 2011**

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