

# Welcome to the AccessibilityOnline Webinar Series



A collaborative program between the  
ADA National Network and the  
U.S. Access Board



The Session is Scheduled to begin at 2:30pm Eastern Time  
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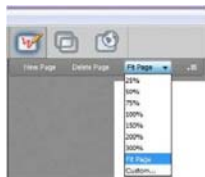
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## Customize Your View



- Resize the Whiteboard where the Presentation slides are shown to make it smaller or larger by choosing from the drop down menu located above and to the left of the whiteboard. The default is “fit page”



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  2. Email [webinars@accessibilityonline.org](mailto:webinars@accessibilityonline.org) ; or
  3. Call 877-232-1990 (V/TTY)

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## Accessible Assembly Areas

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## Presenters



Mary Adams  
Architect  
U.S. Department  
of Justice



Rex Pace  
Accessibility  
Specialist  
U.S. Access Board



Diane Perry  
Architect  
U.S. Department  
of Justice

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## Session Agenda

- Accessibility Standards
- Assistive Listening Systems
- Accessible Routes
- Wheelchair Spaces
  - Size and Location
  - Companion Seating
  - Integration and Dispersion

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## Accessibility Standards

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## Laws Requiring Accessibility

- Americans with Disabilities Act (ADA)
- Architectural Barriers Act (ABA)
- Rehabilitation Act

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## ADA Standards for Accessible Design



DOJ Issued  
2010 ADA  
Standards

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



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## Key 2010 ADA Standards Sections

**35.151(g) Assembly Areas**  
(Title II Facilities)

**36.406(f) Assembly Areas**  
(Title III Facilities)

**2004 ADAAG:**

**206 Accessible Routes**

**219 Assistive Listening Systems**

**221 Assembly Areas**

**706 Assistive Listening Systems**

**802 Wheelchair Spaces, Companion Seats,  
Designated Aisle Seats**



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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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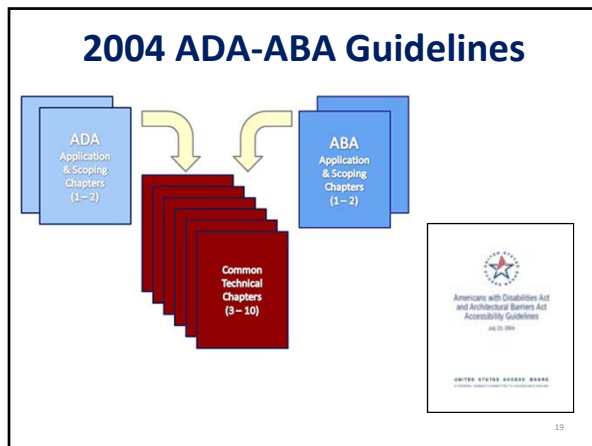
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## ABA Standards (“F”)

**F206 Accessible Routes**

**F219 Assistive Listening Systems**

**F221 Assembly Areas**

**706 Assistive Listening Systems**

**802 Wheelchair Spaces, Companion Seats, Designated Aisle Seats**

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## Access Board Online Guidance

[www.access-board.gov/guidelines-and-standards](http://www.access-board.gov/guidelines-and-standards)

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## Department of Justice Online Guidance



[www.ADA.gov](http://www.ADA.gov)

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## 106.5 Defined Terms

### Assembly Area:

**"A building or facility, or portion thereof, used for the purpose of entertainment, educational or civic gatherings, or similar purposes."**



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## Examples of Assembly Areas

- classrooms
- lecture halls
- courtrooms
- public meeting rooms
- legislative chambers
- motion picture houses
- auditoria
- theaters
- playhouses
- dinner theaters
- concert halls
- amphitheaters
- arenas
- stadiums
- grandstands
- convention centers

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# Assistive Listening Systems

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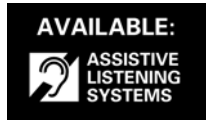
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## Assistive Listening Systems

Required where (219.2):

- audible communication integral to use of space
- where no audio amplification exception
- courtrooms do not get exception



Not triggered by fixed seating or occupant load

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## Assistive Listening Systems 219.3 Receivers

Table 219.3 Receivers for Assistive Listening Systems

Capacity of Seating in Assembly Area	Minimum Number of Required Receivers	Minimum Number of Required Receivers Required to be Hearing-aid Compatible
50 or less	2	2
51 to 200	2, plus 1 per 25 seats over 50 seats <sup>1</sup>	2
201 to 500	2, plus 1 per 25 seats over 50 seats <sup>1</sup>	1 per 4 receivers <sup>1</sup>
501 to 1000	20, plus 1 per 33 seats over 500 seats <sup>1</sup>	1 per 4 receivers <sup>1</sup>
1001 to 2000	35, plus 1 per 50 seats over 1000 seats <sup>1</sup>	1 per 4 receivers <sup>1</sup>
2001 and over	55 plus 1 per 100 seats over 2000 seats <sup>1</sup>	1 per 4 receivers <sup>1</sup>

<sup>1</sup> Or fraction thereof.

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## Assistive Listening Systems

### 706 Technical Provisions



- Receiver Jacks
- Receiver Hearing-Aid Compatibility
- Sound Pressure Level
- Signal-to-Noise Ratio
- Peak Clipping Level

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## Accessible Routes

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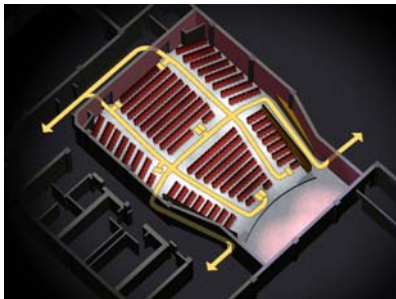
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### Accessible Routes 206.2.4 Spaces and Elements



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## 206.2.4 Spaces and Elements



### Exception 2:

An accessible route is not required to serve fixed seating where there are no required wheelchair spaces complying with 221

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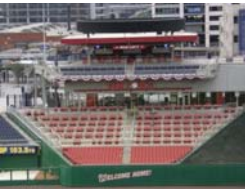
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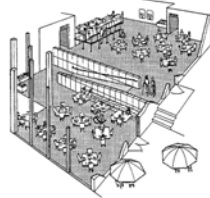
## 206.2.5 Restaurants and Cafeterias

206.2.5, Exception 3  
Tiered dining area providing seating required to comply with 221 and each tier with the same services



At least 25 percent of the dining area shall be on an accessible route

206.2.5  
Multi-level restaurant with dining tables and chairs



All dining levels shall be connected by an accessible route, including raised or sunken, and outdoor dining areas

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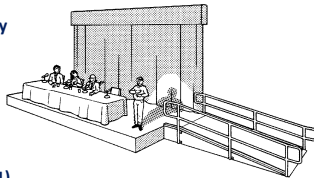
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## 206.2.6 Performance Areas

- Accessible route required where circulation path directly connects a seating area to performance area
- Accessible route to ancillary areas or facilities used by performers
- Platform lifts permitted to provide accessible route to performance areas and speakers platforms (206.7.1)



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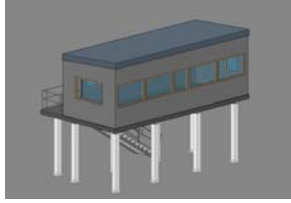
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## 206.2.7 Press Boxes Exceptions



**Bleachers:**  
entry at only one level –  
aggregate area of all press  
boxes 500 square feet max



**Free Standing:**  
Above grade 12 feet min. –  
aggregate area of all press  
boxes 500 square feet max

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## 221.5 Lawn Seating



Photo Source Fairfax County Economic Development Authority

**Access Route to lawn seating and exterior overflow  
seating areas where fixed seats are not provided**

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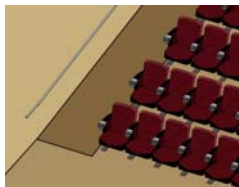
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## Handrails Exceptions for 505.2 and 505.3



**not required on  
both sides**



**not required to be  
continuous in aisles  
serving seating**

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# Wheelchair Spaces

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## Variety of Size and Types of Spaces



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## Wheelchair Spaces

### 221.2.1.1 Number and Location

Total Seating	Minimum Wheelchair Spaces
4 to 25	1
26 to 50	2
51 to 150	4
151 to 300	5
301 to 500	6
501 to 5000	6 + 1 for each 150 over 501
5001 and over	36 + 1 for each 200 over 5000

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## Wheelchair Spaces

### 221.2.1.1 Small Assembly Areas

#### 1991 Standards

capacity 51 to 300  
4 wheelchair spaces



#### 2010 Standards

capacity 151 to 300  
5 wheelchair spaces

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## Wheelchair Spaces

### 221.2.1.1 Large Assembly Areas



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## Wheelchair Spaces

### 221.2.1.1 Large Assembly Areas

#### 1991 Standards

capacity 501 or more  
1 percent +1  
wheelchair spaces

#### 2010 Standards

capacity 501 - 5000  
6 + 1 for each 150  
  
capacity 5001 or more  
36 + 1 for each 200

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## Maintenance of Accessible Features

### § 35.133(c); § 36.211(c)

If the 2010 Standards reduce the technical requirements or the number of required accessible elements below the number required by the 1991 Standards, the technical requirements or the number of accessible elements in a facility subject to this part may be reduced in accordance with the requirements of the 2010 Standards..

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## Wheelchair Spaces



### 221.2.1.2 Luxury Boxes, Club Boxes and Suites

Calculated  
**box by box** and  
**suite by suite**

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## Wheelchair Spaces

### 221.2.1.3 Other Boxes



Tiered boxes designed  
for spatial or acoustical  
purposes

20 percent of the  
**total seats**  
in all boxes

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## Wheelchair Spaces

### 221.2.1.4 Team and Player Seating



At least one wheelchair space shall be provided

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## Wheelchair Spaces

### 35.151(g)(3) and 36.406(f)(3)



When wheelchair spaces are not used, individual removable seats may be placed in those spaces

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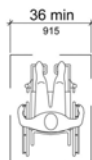
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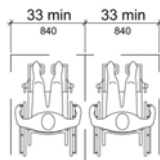
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## Wheelchair Spaces

### 802.1.2 Width



(a)  
single space



(b)  
two spaces

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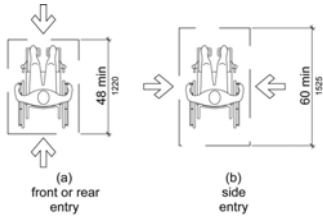
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## Wheelchair Spaces

### 802.1.3 Depth



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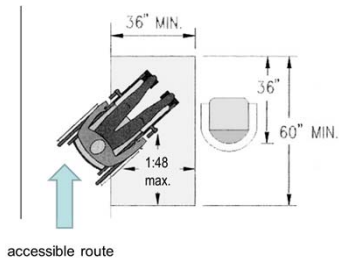
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## Wheelchair Spaces

### 802.1.4 Approach



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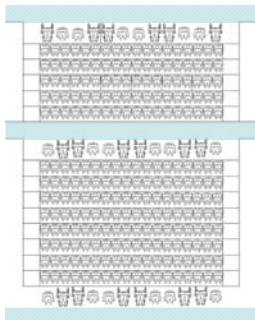
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## Wheelchair Spaces

### 802.1.4 Approach

Accessible routes shall not overlap wheelchair spaces



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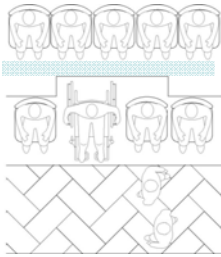
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## Wheelchair Spaces



### 802.1.5 Overlap

Wheelchair spaces shall not overlap circulation paths

aisle width required by applicable building or life safety code

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## Companion Seats

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## Companion Seats

### 221.3 Number



At least one companion seat for each wheelchair space

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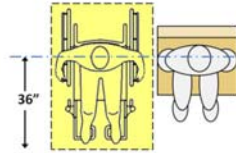
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## Companion Seats

### 802.3.1 Alignment



Shoulder to shoulder

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## Companion Seats

### 802.3.1 Alignment



Same floor elevation

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## Companion Seats

### 802.3.2 Type



Equivalent in size, comfort, quality and amenities  
Permitted to be moveable

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# Designated Aisle Seats

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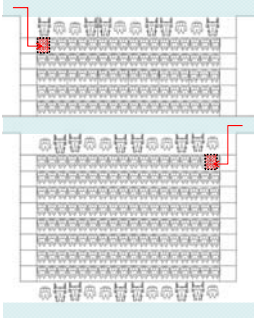
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## Designated Aisle Seats



**221.4 Number and Location**

5 percent of the total number of aisle seats

Located closest to accessible routes

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## Designated Aisle Seats

### 802.4 Armrests and Identification

Folding or retractable armrests on aisle side of seat

Identified by a sign or marker



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# Integration and Dispersion

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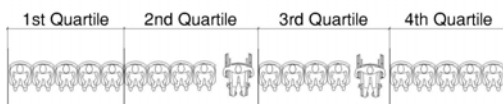
## Horizontal Dispersion

### 221.2.3.1

Wheelchair spaces shall be dispersed horizontally

Exception:

300 seats or less if wheelchair spaces & companion seats are located in the 2<sup>nd</sup> or 3<sup>rd</sup> quartile of row



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## Horizontal Dispersion

### 35.151(g)(2) or 36.406 (f)(2)

Around the field of play or performance area



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## Vertical Dispersion

### 221.2.3.2



Wheelchair spaces shall be dispersed vertically at varying distances from the screen, performance area or playing field.

#### Exception 1

300 seats or less if viewing angles are equivalent

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## Vertical Dispersion

### 221.2.3.2



At varying distances from the screen, performance area, or playing field

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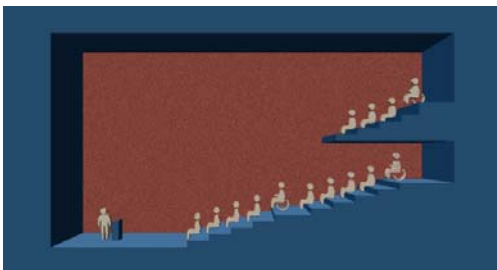
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## Vertical Dispersion

In each balcony or mezzanine that is located on an accessible route



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## Vertical Dispersion



### 221.2.3.2

#### Exception 2:

In bleachers, wheelchair spaces shall not be required to be provided in rows other than rows at points of entry to bleacher seating.

However, choose entry points that will provide wheelchair spaces with viewing angles that are substantially equivalent to or better than those of all other spectators.

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## Lines of Sight

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### Line of Sight Over Seated Spectators

#### 802.2.1

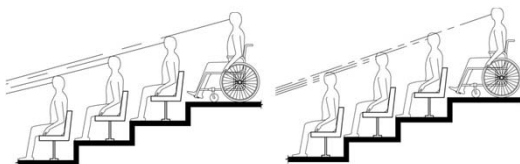


Figure 802.2.1.1  
Line of Sight Over Heads

Figure 802.2.1.2  
Line of Sight Between Heads

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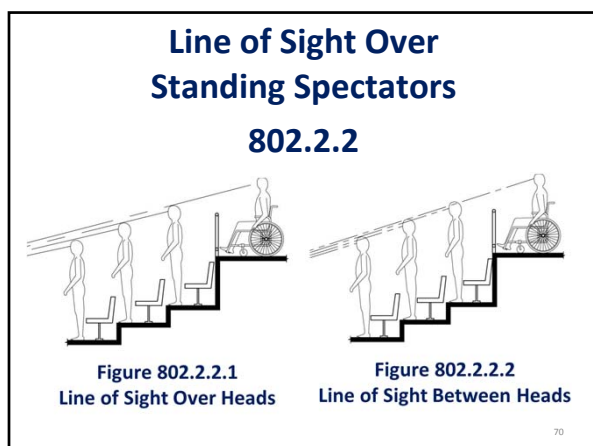
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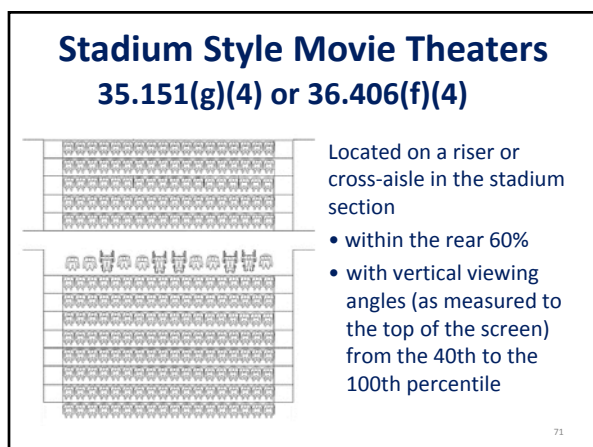
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## Platforms

### 35.151(g)(3) and 36.406(f)(3)



Wheelchair spaces and companion seats are not located on (or obstructed by) temporary platforms or other movable structures

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## Questions?

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## U.S. Department of Justice

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# U.S. Access Board

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*"Advancing Full Access and Inclusion for All"*

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## Continuing Education

**AIA Provider Number:** I017  
**LA CES Provider Name:** Great Lakes ADA Center  
**AICP Provider Name:** Great Lakes ADA Center

**Course Title:** Accessible Assembly Areas

**Course Number:** GL20140605  
**Date:** June 5<sup>th</sup>, 2014

Credits earned on completion of this course will be reported to **AIA CES** for AIA members and **LA CES** for those with an LA number. Certificates of Completion are available upon request.

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Questions will be addressed at the conclusion of this presentation.

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## Thank you for participating in today's webinar




**Next session:**  
**July 10, 2014**  
**"Accessible Toilet and Bathing Facilities - Advanced Session"**  
[www.accessibilityonline.org](http://www.accessibilityonline.org)  
**(877) 232-1990 (v/TTY)**

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