



**ICC A117.1 STANDARD**  
**FOURTH PUBLIC REVIEW DRAFT**

**AUGUST 25, 2016**

**ICC/ANSI A117.1 STANDARD**  
**DEVELOPMENT - 2015 EDITION**

**CLOSING DATE FOR PUBLIC COMMENTS**  
**TUESDAY, OCTOBER 11, 2016**

**A117.1 Standard Committee**  
**2012 Cycle Changes to review for**  
**2015 Edition of the A117.1 Standard**  
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**ICC A117.1 Standard – Accessible and Usable Buildings and Facilities  
Fourth Public Review Draft  
August 25, 2016**

This is the Fourth Public Review Draft of the 2015 edition of the ICC A117.1 Standard.

This draft contains changes to the Third Public Review Draft (Published July 2, 2015) which will eventually change the 2009 edition of the ICC A117.1 Standard. Only changes to the Third Public Review Draft are shown. Previously approved changes are not shown. The background to each change and how the change fits into the balance of the standard are not shown in this document but can be seen in companion documents.

**Please note:**

1. Some changes shown in the Fourth Public Review draft reverse changes approved and included in earlier Public Review Drafts. These actions, if sustained would result in the 2009 edition of the standard not being amended in such sections.
2. Where there are multiple changes to the same section, each approved change will be integrated into the standard so that all changes are reflected. The Fourth Public Review Draft – Supplement, listed below, is an unofficial merging of the approved changes into the Standard as reflected in the First through Fourth Public Review Drafts.
3. Figures common to the published standard are not included in the Public Review Draft. Figures are illustrative of the text of the standard. They are being revised as necessary as well as new figures are being developed. The Fourth Public Review Draft Supplement contains most of the updated figures. If you want to comment on a draft figure, please do so by October 11, 2016. As figures are editorial, comments on the figures are outside of the public comment process on the Public Review Draft.

For further information, please see the following documents. The documents are found on the A117.1 Standard page of the ICC website. <http://www.iccsafe.org/icc-asc-a117/>

1. Fourth Public Review Draft – Supplement
2. Fourth Public Review Draft – Background Report
3. Third Public Review Draft – Background Report
4. Second Public Review Draft – Background Report
5. First Public Review Draft Background Report.

## **Providing Public Comment.**

Comments will be accepted through Tuesday, October 11, 2016. Comments must be provided on the ICC Standards Public Comment Form. The form can be found at the ICC website as follows: <http://www.iccsafe.org/standards-public-forms/>. The form is also appended to the end of this document.

Comments will only be accepted on the changes shown (strike-out/underline portions) in this Fourth Public Review Draft. Comments on previously approved changes not included in the Fourth Public Review Draft will not be accepted. As appropriate, such comments may be set aside for consideration in the next development cycle for the standard after the 2015 edition is published.

The comment form requires you to supply the Proposal Number and Section Number to which you are providing comment. Those relevant numbers are found in the first two columns on the following pages. Many of the proposals affect multiple sections. If your comment applies to multiple sections please indicate all of the sections affected by your comment. Please provide changes to the text of the standard in “legislative format”: Cross out text you propose ~~to be removed~~; Underline text you propose to be added.

If you have questions, please direct them to Kermit Robinson, [krobinson@iccsafe.org](mailto:krobinson@iccsafe.org)

**Closing Date for Public Comments – Tuesday, October 11, 2016.**

## Chapter 1

Proposal Number	Section Number*	Fourth Public Review Draft Change
	106.2.3	See Proposal Number 7-1-12/3.1

\*Section Number is the section number found in the 2009 edition of the standard – unless it is a *new section number*.

## Chapter 2

There are no changes proposed for Chapter 2.

## Chapter 3

Proposal Number	Section Number*	Fourth Public Review Draft Change
	305.8	See proposal number 6-46-12/2.1 – PC2.1

\*Section Number is the section number found in the 2009 edition of the standard – unless it is a *new section number*.

## Chapter 4

Proposal Number	Section Number*	Fourth Public Review Draft Change
4-34-12/1.1 - PC1.1  (aka Agenda Item #13.1)	404.3.4	<p>Revise as follows:</p> <p><b>404.3.4 Two Doors or Gates in Series.</b> Doors or gates in series shall comply with Section 404.2.5.</p> <p><b>EXCEPTION:</b> Where both doors or gates in series are <del>power assist doors,</del> low energy automatic doors or full power automatic doors, the two doors and gates in a series shall not be required to provide a turning space between the doors.</p>

\*Section Number is the section number found in the 2009 edition of the standard – unless it is a *new section number*.

## Chapter 5

There are no changes proposed for Chapter 5.

## Chapter 6

Proposal Number	Section Number*	Fourth Public Review Draft Change
<p>6-37-12 PC1.1 Unresolved Issue</p> <p>(aka Agenda Item #24B)</p>	<p>606.5</p>	<p><b>Delete without substitution as follows:</b></p> <p><del><b>606.5 Basin Location.</b> The interior edge of the rim of the lavatory basin shall be located 3 ½ inches (90 mm) maximum from the front edge of the fixture or countertop.</del></p>
<p>6-46-12/2.1 – PC2.1</p> <p>(aka Agenda Item #25.1)</p>	<p>305.8</p> <p>608.2.1.2</p>	<p><b>Revise as follows:</b></p> <p><del><b>305.8 Seat Back Location.</b> For purposes of this standard, the seat back of a wheelchair within the clear floor space shall be considered 40 inches (1015 mm) from the front or 12 inches (305 mm) from the rear of the wheelchair space.</del></p> <p><b>608.2.1.2 Clearance</b></p> <p><b>608.2.1.2.1 New buildings.</b> In new buildings, a clearance of 52 inches (1320 mm) minimum in length, and 36 inches (915 mm) minimum in depth shall be provided adjacent to the open face of the compartment. <u>The length of the clear floor space shall be measured perpendicular from either 1) the control wall or 2) from 4 inches behind the control wall. The seat wall shall align with the wheelchair seat back in accordance with Section 305.8 or be 4 inches (100 mm) maximum behind the seat wall.</u></p> <p><b>608.2.1.2.2 Existing buildings and within new Type B units.</b> In existing buildings and within new Type B units, a clearance of 48 inches (1220 mm) minimum in length measured perpendicular from the control wall, and 36 inches (915 mm) minimum in depth shall be provided adjacent to the open face of the compartment.</p>
<p>6-55-12/3.1 – PC3.2</p> <p>(aka Agenda Item #28.2)</p>	<p>608.3.2.1</p>	<p><b>Revise as follows:</b></p> <p><del><b>608.3.2.1 Back wall grab bar.</b> In standard roll-in type showers, a grab bar shall be provided on the back wall beginning at the edge of the seat. The grab bars shall not be provided above the seat. The back wall grab bar shall extend the length of the wall and extend within 6 inches (150 mm) maximum from the adjacent side wall opposite the seat.</del></p>

Proposal Number	Section Number*	Fourth Public Review Draft Change
6-55-12/3.1 – PC3.2 continued		<p><b>Exceptions:</b></p> <ol style="list-style-type: none"> <li>1. <u>The back wall grab bar but shall not be required to exceed 48 inches (1220 mm) in length.</u></li> <li>2. <u>The back wall grab bar is not required to extend within 6 inches (150 mm) of the adjacent side wall opposite the seat if it would require the grab bar length to exceed 48 inches (1220 mm) in length.</u></li> </ol> <p><del><b>608.3.2.1. Back Wall Grab Bar.</b> In standard roll-in shower stalls, a grab bar shall be provided along the entire length of the back wall from 6 inches (150 mm) maximum of one corner to within 6 inches (150 mm) maximum of the opposite corner.</del></p> <p><del><b>Exception:</b> If a permanent seat is provided, the grab bar shall terminate at the leading edge of the seat.</del></p>

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# Chapter 7

Proposal Number	Section Number*	Fourth Public Review Draft Change
<p>7-1-12/3.1 – PC3.3</p> <p>(aka Agenda Item #35.3 Also unresolved issue of Committee Action Report July 7,2016)</p>	<p>106.2.3</p> <p>701.1.2</p> <p>701.1.3</p>	<p><del>Delete standard as follows:</del></p> <p><del><b>106.2.3 Light reflectance value (LRV) of a surface.</b> Method of Test. BS 8493:2008 + A1: 2010 (British Standards Institution, 389 Chiswick High Road, London W4 4AL, United Kingdom).</del></p> <p>Revise as follows</p> <p><b>701.1.2 Light Reflectance Value.</b> The light reflectance value (LRV) of surfaces shall be determined in accordance with BS 8493 for the following surface types:</p> <ol style="list-style-type: none"> <li>1. Opaque paint coatings and paint systems, including those that cause extreme angular dependences of reflected light and those that have a surface texture of less than 2 mm.</li> <li>2. Opaque coverings including those that cause extreme angular dependences of reflected light, and those that have an unyielding texture of less than 2 mm.</li> <li>3. Opaque coverings with a yielding pile, e.g. carpet.</li> <li>4. Opaque materials, including those that cause extreme angular dependences of reflected light, and those that have a texture of less than 2 mm, e.g. finished metals.</li> <li>5. Opaque materials coated with non-opaque coatings or coverings, e.g. timber door coated with a woodstain, including those that cause extreme angular dependences of reflected light, and those that have a texture of less than 2 mm.</li> <li>6. Multi-colored surfaces.</li> <li>7. Ordinary materials as defined in Section 3. Terms and Definitions, subsection 3.3 in BS 8493 listed in Section 106.2.3.</li> </ol> <p><del><b>701.1.2.1 Other Surfaces.</b> Other surfaces shall comply with Section 703.1.3.1.</del></p> <p><del><b>701.1.3 Contrast Value.</b> The contrast between the LRVs of adjacent surfaces required by Sections 703.2.1.2, 703.5.3.2, 703.6.3.2 and 705.3 shall be determined by Equation 7-1,</del></p> $\text{Contrast} = \frac{B1 - B2}{B1} \times 100 \text{ percent} \quad \text{Equation 7-1}$ <p><del>Where</del></p> <p><del>B1 = light reflectance value (LRV) of the lighter surface,</del></p> <p><del>B2 = light reflectance value (LRV) of the darker surface.</del></p> <p><del><b>701.1.3.1 Other Surfaces.</b> Surfaces not within the scope of BS 8493 shall provide contrast between adjacent surfaces that are either light on dark or dark on light.</del></p>

Proposal Number	Section Number*	Fourth Public Review Draft Change
7-1-12/3.1 – PC3.3 Continued	703.2	<b>703.2 Visual Characters.</b>
		<b>703.2.1 General.</b> Visual characters shall comply with the following: (Balance of Section 703.2.1 is not changed)
	703.2.1.1	<b>703.2.1.1 Nonglare Finish.</b> The glare from coverings, the finish of characters and their background shall not exceed 19 as measured on a 60-degree gloss meter.
	703.2.1.2	<del><b>703.2.1.2 Contrast.</b> The Light Reflectance Value (LRV) of characters and their background shall contrast 70 percent minimum as determined in accordance with Equation 7-1. The lighter surface shall have a LRV of not less than 45.</del>
	703.2.10	<u><b>703.2.10 Contrast.</b> Characters and their background shall have a non-glare finish. Characters shall contrast with their background, with either light characters on a dark background or dark characters on a light background.</u>
	703.5.3	<b>703.5.3 Finish and Contrast.</b> Pictograms and their fields shall comply with Sections 703.5.3.1 and <del>703.5.3.2</del> have a nonglare finish. Pictograms shall contrast with their fields, with either light pictograms on a dark field, or dark pictograms on a light field.
	703.5.3.1	<b>703.5.3.1 Nonglare Finish.</b> The glare from coverings and the finish of pictograms and their fields shall not exceed 19 as measured on a 60-degree gloss meter.
	703.5.3.2	<del><b>703.5.3.2 Contrast.</b> The Light Reflectance Value (LRV) of pictograms and their fields shall contrast 70 percent minimum as determined in accordance with Equation 7-1. The lighter surface shall have a LRV of not less than 45.</del>
		<u>Characters shall contrast with their background, with either light characters on a dark background or dark characters on a light background.</u>
	703.6.2	<b>703.6.2 Finish and Contrast.</b> Symbols of accessibility and their backgrounds shall comply with Sections 703.6.2.1 and <del>703.6.2.2</del> have a non-glare finish.
	<u>Symbols of accessibility shall contrast with their backgrounds with either a light symbol on a dark background or a dark symbol on a light background.</u>	
703.6.2.1	<b>703.6.2.1 Nonglare Finish.</b> The glare from coverings and the finish of symbols of accessibility and their backgrounds shall not exceed 19 as measured on a 60-degree gloss meter.	
703.6.2.2	<del><b>703.6.2.2 Contrast.</b> The Light Reflectance Value (LRV) of symbols of accessibility and their backgrounds shall contrast 70 percent minimum, as determined in accordance with Equation 7-1. The lighter surface shall have a LRV of not less than 45.</del>	



Proposal Number	Section Number*	Fourth Public Review Draft Change
7-1-12/3.1 – PC3.1  (aka Agenda Item #35.1)	705.3	<p><b>705 Detectable Warnings</b></p> <p><b>705.3 Contrast.</b> Detectable warning surfaces shall contrast visually with adjacent surfaces. <del>The Light Reflectance Value (LRV) of the surfaces shall contrast 70 percent minimum, as determined in accordance with Equation 7-1. The lighter surface shall have a LRV of not less than 45 either light-on-dark or dark-on-light.</del></p>

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## Chapter 8

Proposal Number	Section Number*	Fourth Public Review Draft Change
8-6-12/1.1 – PC1.1  (aka Agenda Item #42.1)	<p>802.11.2</p> <p>802.11.4</p>	<p>Revise as follows:</p> <p><b>802.11.2 Location.</b> Sign language interpreter stations shall be located so that seating within an arc from the station and measured to the left and to the right 60 degrees within 65 feet (19.8 m) horizontal distance from the station is provided with sightlines providing a view of sign language station from a height of 36 inches (915 mm) to 72 (1830 mm) inches above the floor of the station. <del>The vertical viewing angle from the person in the seat to the interpreter station shall not exceed 30 degrees measured to the front and center of the floor and center of the floor of the sign language station.</del></p> <p><b>802.11.4 Backdrop.</b> When a sign language interpreter station is located <u>with a permanent wall less than 10 feet (3050 mm) in front of a permanent wall</u> behind the sign language interpreter station, <del>the permanent wall</del> <u>and</u> to a height of 96 inches (2440 mm) from the finish floor shall be considered as a backdrop. The backdrop shall provide a flat, smooth surface with a monochromatic, low-luster finish treatment.</p> <p><b>Exception:</b> The wall is not required to comply with Section 802.11.4 where a backdrop with a monochromatic, low luster finish treatment is provided.</p>

\*Section Number is the section number found in the 2009 edition of the standard – unless it is a *new section number*.

## Chapters 9, 10 and 11

There are no changes proposed for Chapters 9, 10, or 11.



# ICC STANDARDS - PUBLIC COMMENT FORM

PLEASE SEE INSTRUCTIONS (SUBMITTAL RULES OF PROCEDURES). ALL SUBMITTALS MUST BE IN COMPLIANCE WITH THESE PROCEDURES.

**CLOSING DATE: All Comments Must Be Received by the Announced Closing Date**

1) Indicate the format in which you would like to receive your Public Comments Report (PCR):

CD       Download

2) **PLEASE TYPE OR PRINT CLEARLY: FORMS WILL BE RETURNED if they contain unreadable information.**

Name:					Date:	
Jurisdiction/Company:						
Submitted on Behalf of:						
Address:						
City:		State:		Zip +4:		
Phone:		Ext:		Fax:		
e-mail:						

Signature on File

3) **\*Signature:** \_\_\_\_\_

*\* I hereby grant and assign to the ICC all rights in copyright I may have in any authorship contributions in any proposal or comment I make to the ICC. I understand that I will have no rights in any ICC publications that use such contributions in the form submitted by me or another similar form and certify that such contributions are not protected by the copyright of any other person or entity.*

4) Indicate appropriate ICC Standard associated with this Public Proposal – **Please use** \_\_\_\_\_ A117.1

**Acronym:**

(See bottom of this form or the instructions for list of Names and Acronyms for the ICC Standards)

5) Indicate the Standard Proposal Number that is being addressed by this Public Comment (if applicable): \_\_\_\_\_

6) Revision to:  Section \_\_\_\_\_  Table \_\_\_\_\_  Figure \_\_\_\_\_

7) **COMMENT** Revise as follows (check BOX and state proposed change):

Revise as follows:     Add new text as follows     Delete and substitute as follows:     Delete without Substitution:

Show the proposed NEW or REVISED or DELETED TEXT in legislative format: ~~Line through text to be deleted.~~ Underline text to be added.

COMMENT Continued (Attach additional sheets as necessary)

8) **SUPPORTING INFORMATION** (State purpose and reason, and provide substantiation to support proposed change):

SUPPORTING INFORMATION Continued (Attach additional sheets as necessary)

**PLEASE USE SEPARATE FORM FOR EACH COMMENT**

**SUBMITTAL AS A DOCUMENT ATTACHMENT TO AN E-MAIL IS PREFERRED**

**e-mail: [ewirtschoreck@iccsafe.org](mailto:ewirtschoreck@iccsafe.org) Phone: (708) 799-2300 x4317 Fax: (708) 799-0320**

**If E-MAIL is not available, mail form and disk to: International Code Council, 4051 W. Flossmoor Rd. Country Club Hills, IL 60478**

**Name of ICC Standard:** The following acronyms should be used when designating the name of a Standard.

**Acronym ICC Standard Name**

<b>IS-BLE</b>	Standard on Bleachers, Folding and Telescopic Seating, and Grandstands
<b>IS-RHW</b>	Standard for Residential Construction in High Wind Regions
<b>IS-IEDC</b>	Landscape Irrigation Sprinkler and Emitter Standard
<b>IS-LOG</b>	Standard on Design, Construction and Performance of Log Structures
<b>IS-STM</b>	Standard on Design, Construction and Performance of Storm Shelters
<b>A117.1</b>	Standard on Accessible and Usable Buildings and Facilities