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**Accessible and Usable
Buildings and Facilities**

Secretariat

**International Code Council
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FOREWORD

(The information contained in this foreword is not part of this American National Standard (ANS) and has not been processed in accordance with ANSI's requirements for an ANS. As such, this foreword may contain material that has not been subjected to public review or a consensus process. In addition, it does not contain requirements necessary for conformance to the standard.)

Development

The 1961 edition of ANSI Standard A117.1 presented the first criteria for accessibility to be approved as an American National Standard and was the result of research conducted by the University of Illinois under a grant from the Easter Seal Research Foundation. The National Easter Seal Society and the President's Committee on Employment of People with Disabilities became members of the Secretariat, and the 1961 edition was reaffirmed in 1971.

In 1974, the U.S. Department of Housing and Urban Development joined the Secretariat and sponsored needed research, which resulted in the 1980 edition. After further revision that included a special effort to remove application criteria (scoping requirements), the 1986 edition was published and, when requested in 1987, the Council of American Building Officials (CABO) assumed the Secretariat. Central to the intent of the change in the Secretariat was the development of a standard that, when adopted as part of a building code, would be compatible with the building code and its enforcement. The 1998 edition largely achieved that goal. In 1998, CABO became the International Code Council (ICC).

2003 Edition

New to the 2003 edition are criteria for elements and fixtures primarily for children's use; enhanced reach range criteria; transportation facilities; additional provisions for assembly areas; and an addition and rearrangement for accessible dwelling and sleeping units. These new criteria are intended to provide a level of coordination between the accessible provisions of this standard and the Fair Housing Accessibility Guidelines (FHAG) and the Americans with Disabilities Act Accessibility Guidelines (ADAAG). Illustrative figures are numbered the same as corresponding text to simplify the use of the Standard. Unless specified otherwise, figures are not part of the Standard. Should a figure appear to illustrate criteria that differ with the text of the Standard, the criteria stated in the text govern.

ANSI Approval

This Standard was processed and approved for submittal to ANSI by the Accredited Standards Committee A117 on Architectural Features and Site Design of Public Buildings and Residential Structures for Persons with Disabilities. ANSI approved the 2003 edition on November 26, 2003. Committee approval of the Standard does not necessarily imply that all Committee members voted for its approval.

Adoption

ICC/ANSI A117.1–2003 is available for adoption and use by jurisdictions internationally. Its use within a governmental jurisdiction is intended to be accomplished through adoption by reference in accordance with proceedings establishing the jurisdiction's laws.

Formal Interpretations

Requests for Formal Interpretations on the provisions of ICC/ANSI A117.1–2003 should be addressed to: ICC, Chicago District Office, 4051 W. Flossmoor Road, Country Club Hills, IL 60478–5795.

Maintenance—Submittal of Proposals

All ICC standards are revised as required by ANSI. Proposals for revising this edition are welcome. Please visit the ICC website at www.iccsafe.org for the official “Call for proposals” announcement. A proposal form and instructions can also be downloaded from www.iccsafe.org.

ICC, its members and those participating in the development of ICC/ANSI A117.1–2003 do not accept any liability resulting from compliance or noncompliance with the provisions of ICC 300–2002. ICC does not have the power or authority to police or enforce compliance with the contents of this standard. Only the governmental body that enacts this standard into law has such authority.

**Accredited Standards Committee A117 on Architectural Features and
Site Design of Public Buildings and Residential Structures for
Persons with Disabilities**

At the time of ANSI approval, the A117.1 Committee consisted of the following members:

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Acknowledgment

The updating of this standard over the past 5 years could only be accomplished by the hard work of not only the current committee members listed at the time of approval but also the many committee members who participated and contributed to the process over the course of development. ICC recognizes their contributions as well as those of the participants who, although not on the committee, provided valuable input during this update cycle.

INTEREST CATEGORIES

Builder/Owner/Operator (BO) – Members in this category include those in the private sector involved in the development, construction, ownership and operation of buildings or facilities; and their respective associations.

Consumer/User (CU) – Members in this category include those with disabilities, or others who require accessibility features in the built environment for access to buildings, facilities and sites; and their respective associations.

Producer/Distributor (PD) – Members in this category include those involved in manufacturing, distributing, or sales of products; and their respective associations.

Professional (P) – Members in this category include those qualified to engage in the development of the body of knowledge and policy relevant to their area of practice, such as research, testing, consulting, education, engineering or design; and their respective associations.

Regulatory (R) – Members in this category include federal agencies, representatives of regulatory agencies or organizations that promulgate or enforce codes or standards; and their respective associations.

Individual Expert (IE) (Nonvoting) – Members in this category are individual experts selected to assist the consensus body. Individual experts shall serve for a renewable term of one year and shall be subject to approval by vote of the consensus body. Individual experts shall have no vote.

Category	Number
Builder/Owner/Operator – (BO)	6
Consumer/User – (CU)	10
Professional – (P)	8
Producer/Distributor – (PD)	7
Regulatory – (R)	7
TOTAL	38

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Chapter 1. Application and Administration

101 Purpose

The technical criteria in Chapters 3 through 9, and Sections 1002, 1003 and 1005 of this standard make sites, facilities, buildings and elements accessible to and usable by people with such physical disabilities as the inability to walk, difficulty walking, reliance on walking aids, blindness and visual impairment, deafness and hearing impairment, incoordination, reaching and manipulation disabilities, lack of stamina, difficulty interpreting and reacting to sensory information, and extremes of physical size. The intent of these sections is to allow a person with a physical disability to independently get to, enter, and use a site, facility, building, or element.

Section 1004 of this standard provides criteria for Type B units. These criteria are intended to be consistent with the intent of the criteria of the U.S. Department of Housing and Urban Development (HUD) Fair Housing Accessibility Guidelines. The Type B units are intended to supplement, not replace, Accessible units or Type A units as specified in this standard.

This standard is intended for adoption by government agencies and by organizations setting model codes to achieve uniformity in the technical design criteria in building codes and other regulations.

101.1 Applicability. Sites, facilities, buildings, and elements required to be accessible shall comply with the applicable provisions of Chapters 3 through 9.

EXCEPTIONS:

1. Accessible units shall comply with Section 1002.
2. Type A units shall comply with Section 1003.
3. Type B units shall comply with Section 1004.
4. Dwelling units and sleeping units required to have accessible communication features shall comply with Section 1005.

102 Anthropometric Provisions

The technical criteria in this standard are based on adult dimensions and anthropometrics. This standard also contains technical criteria based on chil-

dren's dimensions and anthropometrics for drinking fountains, water closets, toilet compartments, lavatories and sinks, dining surfaces and work surfaces.

103 Compliance Alternatives

Nothing in this standard is intended to prevent the use of designs, products, or technologies as alternatives to those prescribed by this standard, provided they result in equivalent or greater accessibility and such equivalency is approved by the administrative authority adopting this standard.

104 Conventions

104.1 General. Where specific criteria of this standard differ from the general criteria of this standard, the specific criteria shall apply.

104.2 Dimensions. Dimensions that are not stated as "maximum" or "minimum" are absolute. All dimensions are subject to conventional industry tolerances.

104.3 Figures. Unless specifically stated, figures included herein are provided for informational purposes only and are not considered part of the standard.

104.4 Floor or Floor Surface. The terms floor or floor surface refer to the finish floor surface or ground surface, as applicable.

104.5 Referenced Sections. Unless specifically stated otherwise, a reference to another section or subsection within this standard includes all subsections of the referenced section or subsection.

105 Referenced Standards

105.1 General. The standards listed in Section 105.2 shall be considered part of this standard to the prescribed extent of each such reference. Where criteria in this standard differ from those of these referenced standards, the criteria of this standard shall apply.

105.2 Standards.

105.2.1 Manual on Uniform Traffic Control Devices: MUTCD – 2000 (The Federal Highway Administration, Office of Transportation Operations, Room 3408, 400 7th Street, S.W., Washington, DC 20590)

Convention	Description
	dimension showing English units (in inches unless otherwise specified) above the line and SI units (in millimeters unless otherwise specified) below the line
	dimension for small measurements
	dimension showing a range with minimum – maximum
min	minimum
max	maximum
>	greater than
≥	greater than or equal to
<	less than
≤	less than or equal to
-----	boundary of clear floor space or maneuvering clearance
----- C	centerline
-----	a permitted element or its extension
	direction of travel or approach
	a wall, floor, ceiling or other element cut in section or plan
	a highlighted element in elevation or plan
	location zone of element, control or feature

Fig. 104.2
Graphic Convention for Figures

105.2.2 National Fire Alarm Code: NFPA 72–2002 (National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02269–9101)

105.2.3 Power Assist and Low Energy Power Operated Doors: ANSI/BHMA A156.19–1997 (Builders Hardware Manufacturers’ Association, 355 Lexington Avenue, 17th Floor, New York, NY 10017)

105.2.4 Power Operated Pedestrian Doors: ANSI/BHMA A156.10–1999 (Builders Hardware Manufacturers’ Association, 355 Lexington Avenue, 17th Floor, New York, NY 10017)

105.2.5 Safety Code for Elevators and Escalators: ASME/ANSI A17.1–2000 and Addenda A17.1a–2002 (American Society of Mechanical Engineers International, Three Park Avenue, New York, NY 10016–5990)

105.2.6 Safety Standard for Platform Lifts and Stairway Chairlifts: ASME/ANSI A18.1–1999, with Addenda A18.1a–2001 and A18.1b – 2001 (American Society of Mechanical Engineers International, Three Park Avenue, New York, NY 10016–5990)