

## **CODES, STANDARDS AND REGULATIONS**

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**Scope:** The specific regulations, codes and standards referenced in these Standards should not be considered as a complete listing of all requirements. Other authoritative guidelines should be referenced by the AE and applied consistent with good practice to achieve the required institutional quality. All new construction and remodeling work at the University of Nebraska must comply with the following requirements.

**Definitions:** Following are working definitions of the terms “regulations”, “codes” and “standards” as used within the *University of Nebraska-Lincoln Design Guidelines*

1. **Regulations:** Regulations are rules or statutory requirements of government agencies such as the Federal Government, the State of Nebraska and the University of Nebraska-Lincoln.
2. **Codes:** Codes are sets of rules and guidelines for design, prepared by a designated governmental and/or professional group, which are intended to protect public safety and welfare. Some Standards are recognized as Codes.
3. **Standards:** Standards are requirements set by authorities, custom or general consent and established as criteria by UNL.
4. **Authority Having Jurisdiction (AHJ):** The University of Nebraska-Lincoln is the AHJ on Code interpretation. The NU Building Official serves as the AHJ for the NU system.

### **Regulations Federally Mandated:**

*Americans with Disabilities Act (ADA)*

DHHS:

*Title V: Handicapped Accessibility*

*Title IX: Regulations Prohibiting Sex Discrimination in Education*

EPA:

*40 C.F.R. Chapter I: Protection of the Environment*

*40 C.F.R. 61 Subpart M: Asbestos NESHAP*

*40 C.F.R. 763 Subpart E: AHERA Asbestos in Schools*

*40 C.F.R. 745: Lead-Based Paint Poisoning Prevention in Certain Residential Structures*

OSHA:

*29 C.F.R. 1926: Construction Industry*

*29 C.F.R. 1910: General Industry*

SHPO:

*National Historic Preservation Act of 1966, as amended*

USDOT:

*49 C.F.R. Parts 100-185: HAZMAT*

HUD:

*24 C.F.R. 35: Lead-Based Paint Poisoning Prevention in Certain Residential Structures*

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### **Regulations, State Mandated:**

### **Codes:**

#### ANSI/ASME:

*Standard 17.1, Safety Code for Elevators and Escalators, 2007/CSA B44-07 and Performance-Based Safety Code for Elevators and Escalators (ASME A17.1-2007/CSA B44.7-07*  
*Standard 17.3-2008, Safety Code for Existing Elevators and Escalators*  
*ASME A17.2-2007 Guide for Inspection of Elevators, Escalators and Moving Walks*  
*ASME A18.1-2008 Safety Standard for Platform Lifts and Stairway Chairlifts*  
*ASME QEI-1-2007 Standard for the Qualification of Elevator Inspectors*  
*Standard B31.4-95 Boiler and Pressure Vessels Code*

#### ASCE:

*ASCE 21-Part 1 2005/2006, ASCE 21 Parts 2-4 2008*

International Building Code, 2018 Edition

International Energy Conservation Code, current adopted edition (2018)/**ASHRAE 90.1-2007**

NFPA 101, Life Safety Code **with 2019 Nebraska Amendments**, National Fire Protection Association, as currently adopted by the Nebraska State Fire Marshal 2012 Edition

**NFPA 1, Fire Code with 2019 Nebraska Amendments**

**SFM Title 153, Chapter 1**

**2010 version of the ADA**

Applicable NFPA pamphlets currently listed by the Nebraska State Fire Marshal

ANSI Standard A17.1 for Elevators and State of Nebraska Elevator Inspector requirements.

International Plumbing Code, 2018 Edition.

International Mechanical Code, 2018 Edition

International Fuel Gas Code, 2018 Edition

International Existing Building Code, 2018 Edition

National Electrical Code (NFPA 70) 2017 Edition

### **Standards:**

#### AAADM:

*American Association of Automatic Door Manufacturers*

#### AAN:

*American Association of Nurserymen.*

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AAMA:

*American Architectural Manufacturers Association (AAMA) 101: Appendix Dissimilar Materials.*

ACGIH:

*Industrial Ventilation*

ACI:

*Manual of Concrete Practice  
Standard 318-11 Building Code Requirements for Structural Concrete*

AGA:

*AGA Plumbing Standards*

*AMCA 500 Test Method for Louvers, Dampers and Shutters*

ANSI:

*ANSI Manuals as applicable for design and construction methods, including, but not limited to:*

*Standard Z358.1, 2004 Emergency Eyewash and Shower Equipment  
ANSI/AIHA American National Standard for Laboratory Ventilation, ANSI Z 9.5  
ANSI/INFOCOMM 1M-2009, Audio Coverage Uniformity in Enclosed Listening Areas.*

*ANSI/SDI A250.8-2003 (R2008) Recommended Specifications for Standards Steel Doors and Frames*

*ANSI/TIA-569B Commercial Building Standard for Telecommunications Pathways and Spaces*

*ANSI/ASA S12.60-2002; Acoustical Performance Criteria, Design Requirements, and Guidelines for Schools*

ANSI/ASHRAE:

*ASHRAE Manuals as applicable for design and construction methods, including, but not limited to:*

*Standard 15, Safety Code for Mechanical Refrigeration  
Standard 55, Thermal Environmental Conditions for Human Occupancy  
Standard 62, Ventilation for Acceptable Indoor Air Quality*

*ANSI/NFPA 90A Installation of Air Conditioning and Ventilating Systems*

*ARI 890 – Rating of Air Diffusers and Air Diffuser Assemblies*

ASCE:

*Standard ASCE 7-10, Minimum Design Loads for Buildings and Other Structures*

ASHRAE:

*Standard 52.2, Method of Testing General Ventilation Air-Cleaning Devices  
ASHRAE 70 Method of Testing for Rating the Air Flow Performance of Outlets and Inlets  
Standard 90.1, 2007 Energy Efficient Design of New Buildings*

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AWWA:

*Water and Sewer Main Construction*

CPSC:

*Architectural Glazing Materials*

NFPA: Applicable Pamphlets

NIH:

*Guide for the Care & Use of Laboratory Animals*

SMACNA:

*IAQ Guidelines for Occupied Buildings Under Construction, 2nd edition ANSI/SMACNA 008–2008*

*1035 - HVAC Duct Construction Standards - Metal and Flexible*

The University of Nebraska at Lincoln Design Guidelines: