

## CODES, STANDARDS AND REGULATIONS

**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 North Dakota must comply with the following requirements.

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

- **Regulations:** Regulations are rules or statutory requirements of government agencies such as the Federal Government, the State of North Dakota and the University of North Dakota
- **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.
- **Standards:** Standards are requirements set by authorities, custom or general consent and established as criteria by UND.
- **Authority Having Jurisdiction (AHJ):** The University of North Dakota is the AHJ on Code interpretation in conjunction with the city of Grand Forks.
- **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
- **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

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- 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: As adopted by the city of Grand Forks
  - ASCE 21-Part 1 , ASCE 21 Parts 2-4
  - International Building Code
  - International Energy Conservation Code
  - ASHRAE 90.1
  - NFPA 101, Life Safety Code
  - National Fire Protection Association
  - State Fire Marshal
  - International Plumbing Code
  - International Mechanical Code
  - International Fuel Gas Code
  - International Existing Building Code
  - National Electrical Code (NFPA 70)
  - AAADM: American Association of Automatic Door Manufacturers
  - Manual of Concrete Practice Standard 318-11 Building Code Requirements for Structural Concrete
  - AGA: AGA Plumbing Standards
  - 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
  - Audio Coverage Uniformity in Enclosed Listening Areas.
  - AWWA: Water and Sewer Main Construction
  - SMACNA: IAQ Guidelines for Occupied Buildings Under Construction, 2nd edition ANSI/SMACNA 008
  - HVAC Duct Construction Standards