This listing: Commonly specified codes and standards though Preliminary Design Phase Title/Date only (latest revision date per internet or IHS standards service unless earlier per LANL Work Smarts Stds)	Year
AASHTO LTS-4, Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals As Revised by Interim Specifications	2001
ACI 301, Standard Specifications for Structural Concrete	1999
ACI 302.1R, Guide for Concrete Floor and Slab Construction	1996
ACI 304R, Guide for Measuring, Mixing, Transporting, and Placing Concrete	2000
ACI 305R, Hot Weather Concreting	1999
ACI 306R, Cold Weather Concreting	1988
ACI 315, Details and Detailing of Concrete Reinforcement	1999
ACI 318, Building Code Requirements for Structural Concrete and 318R Commentary	2002
ACI 347, Guide to Formwork for Concrete	2001
ACI 530, Building Code Requirements for Masonry Structures and Commentary	2002
AISC 316, Manual of Steel Construction Allowable Stress Design [ASD; order M016; comply with this or LRFD]	1989; 9t Ed
AISC 325, Load & Resistance Factor Design Manual, [LRFD; order M020L; comply with this or ASD]	2001; 3r Ed.
NEMA Z535.1, Safety Color Code [note: not 2535; ANSI]	1998
ICC A117.1, Guidelines for Accessible and Usable Buildings and Facilities [ANSI; ADA]	1998
ASME B31.5, Refrigeration Piping (with 1993 Errata, 1994 Addenda)	1992
IEEE C57.12.00, Standard General Requirements for Liquid Immersed Distribution, Power, and Regulating Transformers	2000
IEEE C57.12.90, Standard Test Code for Liquid-Immersed Distribution, Power, and Regulating Transformers (ANSI/IEEE)	1999
IEEE C57.91, Guide for Loading Mineral-Oil-Immersed Transformers	1995
NEMA Z535.2, Environmental and Facility Safety Signs [updates ANSI Z35.1, Accident Prevention Signs]	1998
ASME A13.1, Scheme for the Identification of Piping Systems (incl. 9/98 Erratum)	1996
ASME B31.9, Building Services Piping	1996
ASCE 7, Minimum Design Loads for Buildings and Other Structures	1998
ASHRAE 1, Guideline for the HVAC Commissioning Process	1996
ASHRAE 3, Reducing Emission of Fully Halogenated Refrigerants in Refrigeration and Air-Conditioning Equipment and Systems	1996
ASHRAE Handbook: Fundamentals	1997
ASHRAE Handbook: HVAC Applications	1999
ASHRAE Handbook: HVAC Systems and Equipment	2000
ASHRAE Handbook: Refrigeration [IHS: ASHRAE REF IP]	2002
ASHRAE 55, Thermal Environmental Conditions for Human Occupancy with '95 Addenda	1992
AWS D9.1, Sheet Metal Welding Code	2000

latest revision date per internet or IHS standards service unless earlier per LANL Work Smarts Stds) AWWA C651, Disinfecting Water Mains	
TIA/EIA 569-A, Commercial Building Standards for Telecommunications Pathways and Spaces	
TIA/EIA 606, Administrative Standard for the Telecommunications Infrastructure of Commercial Buildings	
LANL ESH Division Notice 36, Underground Utilities Detection and Excavation	
GA 600, Fire Resistance Design Manual Sound Control	
IEEE C37.13, Standard for Low Voltage AC Power Circuit Breakers Used in Enclosures	
IEEE C37.20.1, Standard for Metal-Enclosed Low-Voltage Power Circuit Breaker Switchgear	
IEEE C37.20.2, Standard for Metal-Clad Switchgear (ANSI/IEEE)	
IEEE C37.20.3, Standard for Metal-Enclosed Interrupter Switchgear	
IEEE C37.20.4, Standard for Indoor AC Medium Voltage Switches used in Metal Enclosed Switchgea	r
IEEE C57.110, Recommended Practice for Establishing Transformer Capability When Supplying Nonsinusiodal Load Currents	
IEEE C57.12.01, Standard General Requirements for Dry-Type Distribution and Power Transformers Including Those with Solid-Cast and/or Resin-Encapsulated Windings (ANSI/IEEE)	
IEEE C57.13, Standard Requirements for Instrument Transformers	
IEEE C62.11, Standard for Metal-Oxide Surge Arresters for Alternating Current Power Circuits	
IEEE C62.41, Recommended Practice on Surge Voltages in Low-Voltage AC Power Circuits (reaffirmed 1995)	
IEEE Std 141, Recommended Practice for Electrical Power Distribution in Industrial Plants (IEEE Re Book), with 1997 correction sheet	d
IEEE Std 519, Recommended Practice and Requirements for Harmonic Control in Electric Power Systems	
IESNA Lighting Handbook	
IESNA RP-1, Office Lighting [ANSI]	
LANL LIR 220-03-01, LANL Engineering Manual, and all manuals it invokes (LANL Engineering, Construction Specs, and Drafting Manuals)	
LANL LIR 402-600-01, Electrical Safety Program	
LANL LIR 402-860-01, Lockout/Tagout for Personnel Safety	
NEMA VE 2, Metal Cable Tray Installation Guidelines	
NEMA WD 1, General Requirements for Wiring Devices.	
IETA 2, Acceptance Testing Specifications for Electric Power Distribution Equipment and Systems [search NETA]	
NFPA 101, Life Safety Code	
NFPA 1141, Fire Protection in Planned Building Groups	
NFPA 1221, Installation, Maintenance, and Use of Public Fire Service Communication System	
NFPA 13, Installation of Sprinkler Systems	

This listing: Commonly specified codes and standards though Preliminary Design Phase Title/Date only (latest revision date per internet or IHS standards service unless earlier per LANL Work Smarts Stds)	Year
NFPA 24, Standards for the Installation of Private Fire Service Mains and Their Appurtenances	1995
NFPA 30, Flammable and Combustible Liquids Code	2000
NFPA 70, National Electrical Code [NEC]	2002
NFPA 70B, Recommended Practice for Electrical Equipment Maintenance	1998
NFPA 70E, Electrical Safety Requirements for Employee Workplaces	2000
NFPA 72, National Fire Alarm Code	1999
NFPA 75, Protection of Electronic Computer/Data Processing Equipment	1999
NFPA 780, Standard for the Installation of Lightning Protection Systems	1997
NFPA 80, Standard for Fire Doors and Windows	1999
NFPA 90A, Installation of Air Conditioning and Ventilation Systems [use vice UMC for smoke detection and fire dampers]	1999
SDI 100, Standard Steel Doors and Frames [Steel Door Institute]	1991
UL 508, Industrial Control Equipment	1999
UL 2001, Fire Resistance Directory Vols I and II [Building/ Roofing Materials & Systems Directories]	2001
IAPMO Uniform Mechanical and Plumbing Codes as adopted and amended by State of NM with LANL exceptions per Eng Manual [NFPA codes apply where the two conflict] [2000 not adopted by LANL WSS]	1997
LANL Work Smart Standards and App. G of LANL Contract W-7405-ENG-36 [applicable items generally specifically invoked by this list] http://labs.ucop.edu/internet/comix/contract/lanl_apndx_g.html	latest online
ACGIH threshold limit values Light and Near-Infrared Radiation; Static Magnetic Fields; Sub-Radiofrequency (30kHz and below) Magnetic Fields; Sub-Radiofrequency (30kHz and below) and Static Electric Fields; Ultraviolet Radiation; Cold Stress; Heat Stress; Noise; Chemical Substances [Std 0206 Documentation of the Threshold Limit Values and Biological Exposure Indices perhaps]	1997 (WSS) various online
ASME B31.1, Power Piping	2001 WS
IEEE C2, National Electrical Safety Code [NESC]	1997 (WSS), no 2001
NEMA Z535.2, Environmental and Facility Safety Signs [was ANSI]	1998
NEMA Z535.3, Criteria for Safety Symbols [was ANSI]	1998 (WSS), no 2002)
ASME Boiler and Pressure Vessel Code [B&PV]	2001 WS
ASHRAE Standard 62, Ventilation for Acceptable Indoor Air Quality	1999 WS (2001 online)
NFPA - National Fire Codes (most recent edition with the exception of NFPA 70, National Electrical Code)	latest except NE

This listing: Commonly specified codes and standards though Preliminary Design Phase Title/Date only (latest revision date per internet or IHS standards service unless earlier per LANL Work Smarts Stds)	Year
ICBO Uniform Building Code (UBC) [NFPA codes take precedence for conflicts; e.g., NFPA 30, 45 & 101 for occupancy separations] [2000 ICC IBC not adopted by LANL WSS]	199
New Mexico State Highway and Transportation [NMSH&T] Standard Specifications for Highway and Bridge Construction	200
LANL LIR 402-870-01, Ergonomics	199
ACI 211.1, Standard Practice for Selecting Proportions for Normal, Heavyweight, and Mass Concrete (reaffirmed 1997)	199
AMCA 201, Fans and Systems [an Application guide]	199
AMCA 302, Application of Sone Ratings for Non-Ducted Air Moving Devices [an Application Guide]	197
NEMA C 82.11, High-Frequency Fluorescent Lamp Ballasts [was ANSI]	199
TIA/EIA 607, Commercial Building Grounding and Bonding Requirements for Telecommunications	199
ASHRAE 90.1, Energy Code for Commercial and High-Rise Residential Buildings	200
AWS D1.1, Structural Welding Code, Steel	200
IEEE Std 1100, Recommended Practice for Powering and Grounding Electronic Equipment (IEEE Emerald Book)	199
IEEE Std 142, Recommended Practice for Grounding of Industrial and Commercial Power Systems (IEEE Green Book)	199
IEEE Std 493, Recommended Practice for the Design of Reliable Industrial and Commercial Power Systems (IEEE Gold Book)	199
IEEE Std 399, IEEE Recommended Practice for Industrial and Commercial Power Systems Analysis	199
IEEE Std 242, Recommended Practice for Protection and Coordination of Industrial and Commercial Power Systems (IEEE Buff Book)	200
IEEE Std 739, Recommended Practice for Energy Management in Industrial and Commercial Facilities IEEE (Bronze Book)	199
IEEE Std 80, Guide for Safety in AC Substation Grounding	200
ISA 5.1, Instrumentation Symbols and Identification (formerly ANSI/ISA S5.1; renamed/reaffirmed 1992)	198
NEMA VE 1, Metal Cable Tray Systems	199
NFPA 80A, Recommended Practice for Protection of Buildings from Exterior Fire Exposures (National Fire Codes, Vol. 9)	199
NFPA 12, Standard on Carbon Dioxide Extinguishing Systems (National Fire Codes, vol. 1)	200
NFPA 11A, Standard for Medium- and High-Expansion Foam Systems (National Fire Codes, vol. 1)	199
NFPA 15, Standard for Water Spray Fixed Systems for Fire Protection (Nat'l Fire Codes, vol. 1)	200
NFPA 16, Standard for the Installation of Deluge Foam-Water Sprinkler and Foam-Water Spray Systems (National Fire Codes, vol. 1)	199
NFPA 17, Standard for Dry Chemical Extinguishing Systems (National Fire Codes, vol. 1)	199
NFPA 17A, Standard for Wet Chemical Extinguishing Systems (National Fire Codes, vol. 1)	199
NFPA 231, Standard for General Storage (National Fire Codes, vol. 6)	199
NFPA 2001, Standard for Clean Agent Fire Extinguishing Systems	200

NEDA 44 Otalia		
Codes, vol. 1)	dard for the Installation of Standpipe, Private Hydrant, and Hose Systems (National Fire	20
NFPA 20, Stan vol. 1)	dard for the Installation of Stationary Pumps for Fire Protection (National Fire Codes,	19
NFPA 220, Star	ndard on Types of Building Construction (National Fire Codes, vol. 6)	19
NFPA 221, Star	ndard for Fire Walls and Fire Barrier Walls	20
SMACNA Stand	dards All	lat
NFPA 1, Fire Pr	revention Code	20
NFPA 170, Star	ndard for Fire Safety Symbols	19
US "Federal Use Buildings"	ers Manual Performance Standards for Commercial and High-Rise Residential	lat
ASHRAE SE-99 and Radon [MEI	9-11-02, Residential Pollutants and Ventilation Strategies: Volatile Organic Compounds ET INTENT]	19
SMACNA HVAC	CDM, HVAC Systems Duct Design	19
Al MS-1, Thickn	ness Design Asphalt Pavements for Highways & Streets [Asphalt Institute]	19
SDI Design Mar sdi.org] [not in I	nual for Composite Decks, Form Decks and Roof Decks No. 30 [Steel Deck Institute; HS]	20
SDI Diaphragm	Design Manual Second Edition No. DDM02 [Steel Deck Institute; sdi.org] [not in IHS]	19
SJI 1994, Stand	dard Specifications Load Tables and Weight Tables for Steel Joists and Joist Girders	20
	VIROMENTAL SYSTEMS, Procedural Standards for Testing Adjusting Balancing of ystems (Testing, Adjusting, Balancing of Environmental Systems	19
ASTM G57, Sta Method	andard Method for Field Measurement of Soil Resistivity using Wenner Four-Electrode	19
IEEE Std 241, F Gray Book)	Recommended Practices for Electric Power Systems for Commercial Buildings (IEEE	19
	Recommended Practice for Applying Low-Voltage Circuit Breakers used in Industrial al Power Systems (IEEE Blue Book)	19
IEEE C57.91, G 500 KVA and Le	Guide for Loading Mineral-Oil-Immersed Overhead and Pad-Mounted Transformers Rated ess	19
SMACNA SEI, S	Seismic Restraint Manual Guidelines for Mechancial Equipment	19
ASCE 12, Stand	dard Guidelines for Installation of Urban Subsurface Drainage	19
WEF appropriat	e manual(s) of practice [Water Environment Federation]	lat
	uality and Hydrology Group (ESH-18) - Storm Water/Surface Water Pollution Prevention ent Practices (BMPs) Guidance Document	19
IFFF C57 96 G	Guide for Loading Dry-Type Distribution and Power Transformers	19
007.00, 0		