

# *Appendix*



## F.1 Acronym List for NIH Design Policy and Guidelines

above finished floor (AFF)	capital recovery factor (CRF)
acquired immune deficiency syndrome (AIDS)	carbon dioxide(CO <sub>2</sub> )
air-handling unit (AHU)	Centers for Disease Control and Prevention (CDC)
Air Moving and Conditioning Association (AMCA)	Certified Ballast Manufacturers (CBM)
alternating current (AC)	Clinical Center Complex (CCC)
Ambulatory Care Research Facility (ACRF)	cold water (CW)
ampere interrupting capacity (AIC)	color rendering index (CRI)
American Association for the Accreditation of Laboratory Animal Care (AAALAC)	common accounting number (CAN)
American Association of State Highway and Transportation Officials (AASHTO)	compressed gas (CG)
American Hospital Association (AHA)	Compressed Gas Association (CGA)
American Institute of Architects (AIA)	computer-aided design and drafting (CADD)
American National Standards Institute (ANSI)	concrete masonry unit (CMU)
American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE)	constant air volume (CAV)
American Society of Mechanical Engineers (ASME)	construction quality management (CQM)
American Society of Plumbing Engineers (ASPE)	control power transformer (CPT)
American Society for Testing and Materials (ASTM)	
American Water Works Association (AWWA)	dedicated ground riser (DGR)
American Welding Society (AWS)	dental treatment room (DTR)
animal-holding area (AHA)	deoxyribonucleic acid (DNA)
animal-watering system (AWS)	Department of Energy (DOE)
Architect/Engineer (A/E)	diagnostic and treatment (D&T)
Associated Air Balance Council (AABC)	diameter index safety system (DISS)
Association of Edison Illuminating Companies (AEIC)	direct current (DC)
automatic temperature control (ATC)	distribution duct system (DDS)
automatic transfer switch (ATS)	distributive digital control (DDC)
average water gauge (AWG)	drain, waste, and vent (DWV)
	dynamic insertion loss (DIL)
backflow prevention (BFP)	
biological safety cabinet (BSC)	electrical metal conduit (EMC)
biosafety level (BL)	electrical metal tubing (EMT)
Building and Facilities (B&F)	electromagnetic interference (EI)
Building Officials and Code Administrators, International (BOCA)	electronic data processing (EDP)
	Electronic Industries Association (EA)
	Electronic Testing Laboratory (ETL)
	equivalent linear measurement [of laboratory work space] (ELM)
	ethylene oxide [sterilizer] (EtO)
	ethylene propylene rubber (EPR)
	exhaust fan (EF)
	external manual operator (EMO)



Federal Communications Commission (FCC)	mental health patient care unit (MHPCU)
full-time employee (FTE)	metal oxide varistor (MOV)
	metal halide (MH)
General Services Administration (GSA)	modular building controller (MBC)
grand fault interrupting (GFI)	motor control center (MCC)
halogen infrared (HIR)	National Electrical Code (NEC)
hand-off-auto (HOA)	National Electrical Manufacturers Association (NEMA)
heating, ventilation, and air-conditioning (HVAC)	National Electrical Safety Code (NESC)
high-efficiency particulate air (HEPA)	National Fire Codes (NFC)
hot water (HW)	National Fire Protection Association (NFPA)
hot water recirculating (HWR)	National Institute of Occupational Safety and Health (NIOSH)
	National Institutes of Health (NIH)
Illuminating Engineering Society of North America (IESNA)	National Institute of Standards and Technology (NIST)
indoor air quality (IAQ)	nitrous oxide (NO)
Inter Building Closet (IBC)	noise criteria (NC)
Institute of Electrical and Electronics Engineers (IEEE)	noise reduction coefficient (NRC)
intensive care unit (ICU)	nuclear magnetic resonance (NMR)
InterNational Electrical Testing Association (NETA)	
International Electrotechnical Commission (IEC)	Occupational Safety and Health Act (OSHA)
	Occupational Safety and Health Administration (OSHA)
Joint Commission on the Accreditation of Healthcare Organizations (JCAHO)	paper-insulated, lead-covered (PILC)
	patient care unit (PCU)
laboratory air (LA)	pediatric patient care unit (PPCU)
laboratory vacuum (LV)	perceived air quality (PAQ)
Lighting Protection Institute (LPI)	personal computer (PC)
limit switch (LS)	polytetra fluoroethylene (PTFE)
local area network (LAN)	polyvinyl chloride (PVC)
	positron emission tomography (PET)
magnetic resonance imaging (MRI)	post anesthesia recovery (PAR)
main circuit breaker (MCB)	Potomac Electric Power Company (PEPCO)
main lugs only (MLO)	power factor (PF)
Maryland Department of Environment (MDE)	pressure-reducing valve (PRV)
mass spectrometry (MS)	Program of Requirements (POR)
mechanical/electrical/plumbing (MEP)	programmable lighting control (PLC)
medical air (MA)	Public Health Service (PHS)
medical gas (MG)	pulse-width modulation (PWM)
medical, surgical, and nursing (MS&N)	
medical vacuum (MV)	
Memorandum of Understanding (MOU)	



radio frequency interference (RFI)  
ratio (R-value) (R)  
relative humidity (RH)  
remote terminal unit (RTU)  
reverse osmosis (RO)  
rigid galvanized steel (RGS)  
room cavity ratio (RCR)  
room criteria (RC)

Washington Suburban Sanitary Commission  
(WSSC)  
World Health Organization (WHO)

Scientific Apparatus Makers Association  
(SAMA)  
service entrance (SE)  
Sheet Metal and Air Conditioning Contractors  
National Association (SMACNA)  
silicone-controlled rectifiers (SCR)  
smoke (SM)  
sound transmission class (STC)  
stand-alone control unit (SCU)  
standard dimension ration (SDR)

Telecommunications Industries Association  
(TIA)  
terminal equipment controller (TEC)  
testing and balancing (T & B)  
thermal manual motor starter (TMMS)  
total harmonic distortion (THD)  
transient voltage surge suppression (TVSS)

Underwriters Laboratories (UL)  
Uniform Federal Accessibility Standards  
(UFAS)  
uniform present worth (UPW)  
uninterruptible power supply (UPS)  
unit directional flow (UDF)  
unshielded twisted pair (UTP)

variable air volume (VAV)  
variable-frequency speed drive (VFD)  
variable-speed drive (VSD)  
ventilation rate (VR)  
vinyl composition tile (VCT)  
volatile organic compound (VOC)  
voltage-source inverter (VSI)



## F.2 Units of Measure

A	ampere	Pa	pascal
cd	candela	%	percent
cph	changes per hour	ppm	parts per million
dB	decibels	rpm	revolutions per minute
°C	degrees Celsius	s	second
°K	degrees Kelvin	V	volt
g	gram	VA	voltampere
Hz	hertz	W	watt
kg	kilogram		
kJ	kilojoule		
kPa	kilopascal		
kV	kilovolt		
kVA	kilovoltampere		
kW	kilowatt		
kWh	kilowatt hour		
L	liters		
L/s	liters per second		
LPM	liters per minute		
LPW	lumens per watt		
lx	lux		
m	meter		
m <sup>2</sup>	square meter		
mA	milliampere		
MCM	thousand circular mils		
mil	millimeter		
MJ	megajoule		
mL	milliliter		
mm	millimeter		
mmHg	millimeters of mercury		
mRem	millirem		
m/s	meters per second		
nm <sup>2</sup>	net square meter		



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The following list of Ad Hoc committees met over a period of eight months in order to formulate, edit, and format this document. We thank them for their efforts and their continuing service to the National Institutes of Health.



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