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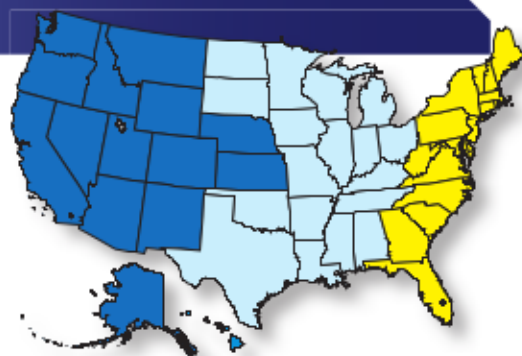
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GLOSSARY

Here are some common abbreviations and terms found in the pages of *Engineered Systems*.

A

A/C – air conditioning
ach – air changes per hour
AE – architectural and engineering; or a architect and engineer
AFD – adjustable-frequency drive
AHJ – authority having jurisdiction
AHU – air-handling unit
ASD – adjustable-speed drive
ASHRAE – American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.
ATC – automatic temperature control

B

BACnet – a data communication protocol for building automation and control networks
BAS – building automation system
bhp – boiler horsepower; also, brake horsepower
BMS – building management system
BoD – basis of design

C

CAD – computer-aided design
cfm – cubic feet per minute
CHW – chilled water
CMMS – computerized maintenance management system
CO₂ – carbon dioxide
COP – coefficient of performance
CRAC – computer room air conditioner

D

D-B – design-build
db – drybulb
DDC – direct digital controls
DID – design intent document
DOAS – dedicated outdoor air system
DOE – U.S. Department of Energy
DR – demand response
DX – direct expansion

E

EMS – energy management system
EPA – U.S. Environmental Protection Agency
ERV – energy recovery ventilator

F

fpm – feet per minute
FPT – functional performance test

G

gpm – gallons per minute

H

HEPA – high-efficiency particulate air
HTML – hypertext markup language
HTTP – hypertext transfer protocol
HWR – hot water return
HWS – hot water supply

I

IAQ – indoor air quality
IS – information systems
IT – information technology

L

LAN – local area network
LEED® – Leadership in Energy and Environmental Design, a designation by the U.S. Green Building Council
LEED® AP – LEED Accredited Professional

M

MEC – mechanical, electrical, communication
MEP – mechanical, electrical, plumbing
MERV – minimum efficiency rating value

O

O&M – operations and maintenance
oBIX – Open Building Information Exchange
OEM – original equipment manufacturer
OA – outside air
OPR – owner's project requirements

P

PfPT – prefunctional performance test
PM – preventive maintenance
PID – proportional, integral, derivative

R

rh – relative humidity
RFP – request for proposal
RFS – request for submittal
ROI – return on investment
RO – reverse osmosis
RTD – resistance temperature detector

S

SA – supply air
scfm – standard cubic feet per minute

T

TAB – testing, adjusting, and balancing
TES – thermal energy storage

U

UL – Underwriter's Laboratory
USGBC – U.S. Green Building Council
UV – ultraviolet

V

VAV – variable-air volume
VFD – variable-frequency drive
VOIP – voice-over Internet protocol
VSD – variable-speed drive

X

XML – extensible markup language

W

WAN – wide area network
wb – webbulb
wc – water column
wg – water gauge