

Abbreviations and Acronyms

A	=	area, ft ²
ACCA	=	Air Conditioning Contractors of America
AEDG-SR	=	<i>Advanced Energy Design Guide for Small Retail Buildings</i>
AFUE	=	annual fuel utilization efficiency, dimensionless
AIA	=	American Institute of Architects
ASHRAE	=	American Society of Heating, Refrigerating and Air-Conditioning Engineers
ASTM	=	American Society for Testing and Materials
ANSI	=	American National Standards Institute
Btu	=	British thermal unit
C	=	thermal conductance, Btu/h·ft ² ·°F
c.i.	=	continuous insulation
Cx	=	commissioning
CxA	=	commissioning authority
cfm	=	cubic feet per minute
CMH	=	ceramic metal halide
COP	=	coefficient of performance, dimensionless
CRI	=	Color Rendering Index
CRRC	=	Cool Roof Rating Council
D	=	diameter, ft
DL	=	<i>Advanced Energy Design Guide</i> code for “daylighting”
DOE	=	U.S. Department of Energy
E_c	=	efficiency (combustion), dimensionless
EF	=	efficiency
EIA	=	Energy Information Administration
E_t	=	efficiency (thermal), dimensionless
EER	=	energy efficiency ratio, Btu/W·h
EF	=	energy factor

EL	=	<i>Advanced Energy Design Guide</i> code for “electric lighting”
EN	=	<i>Advanced Energy Design Guide</i> code for “envelope”
EX	=	<i>Advanced Energy Design Guide</i> code for “exterior lighting”
F	=	slab edge heat loss coefficient per foot of perimeter, Btu/h-ft·°F
FCU	=	fan-coil unit
GC	=	general contractor
Guide	=	<i>Advanced Energy Design Guide for Small Retail Buildings</i>
HC	=	heat capacity, Btu/ft ² ·°F
HSPF	=	heating season performance factor, Btu/W·h
HV	=	<i>Advanced Energy Design Guide</i> code for “HVAC systems and equipment”
HVAC	=	heating, ventilating, and air-conditioning
IESNA	=	Illuminating Engineering Society of North America
in.	=	inch
IPLV	=	integrated part-load value, dimensionless
kBtuh	=	thousands of British thermal units per hour
kW	=	kilowatt
LBNL	=	Lawrence Berkeley National Laboratory
LED	=	light-emitting diode
LPD	=	lighting power density, W/ft ²
N/A	=	not applicable
NBI	=	New Buildings Institute
NEMA	=	National Electrical Manufacturers Association
NFRC	=	National Fenestration Rating Council
NREL	=	National Renewable Energy Laboratory
NZEB	=	net zero energy buildings
O&M	=	operation and maintenance
OPR	=	Owner’s Project Requirement
PL	=	<i>Advanced Energy Design Guide</i> code for “plug loads”
ppm	=	parts per million
PV	=	photovoltaic
QA	=	quality assurance
R	=	thermal resistance, h·ft ² ·°F/Btu
RPI	=	Rensselaer Polytechnic Institute
SEER	=	seasonal energy efficiency ratio, Btu/W·h
SHGC	=	solar heat gain coefficient, dimensionless
SRI	=	Solar Reflectance Index, dimensionless
SSPC	=	standing standards project committee
SWH	=	service water heating
TAB	=	test and balance
TC	=	technical committee
U	=	thermal transmittance, Btu/h-ft ² ·°F
UPS	=	uninterruptible power supply
USGBC	=	U.S. Green Building Council
VLT	=	visible light transmittance
W	=	watts
w.c.	=	water column
WH	=	<i>Advanced Energy Design Guide</i> code for “water heating systems and equipment”