

Abbreviations

&	And	AFF	Above finished floor
∠	Angle	AFG	Above finished grade
@	At	AFM	Terminal air flow module
°C	Degrees Celsius	AFS	Air flow station
°F	Degrees Fahr.	Ag	Silver
∅	Diameter	AGGR	Aggregate
"	Ditto, inch	AH, AHU	Air-Handling unit
'	Foot, feet	AL, ALUM	Aluminum
#	Number, pound	ALM	Alarm
%	Percent	ALT	Alternate
A	Air, amperes; ammeter, area, air line	AM	Ammeter
AB	Anchor bolt	AMB	Ambient
ABC	Above ceiling	AMP	Ampere
ABS	Absolute	AMT	Amount
AC	Air chamber, alternating current	AP	Access panel
A/C	Air conditioning	APOTH	Apothecary
ACC	Air-cooled cond.	APPROX	Approximate
ACCU	Air-cooled condensing unit	ARM	Armature
ACOUS	Acoustical	ARR	Arrangement
ACP	Asbestos cement pipe	ASPH	Asphalt
ACT	Acoustical ceiling tile	ATC	At ceiling or automatic temp. control
ACU	Packaged air conditioning unit	ATM	Atmosphere
		Au	Gold
		AUTO	Automatic
		AUX	Auxiliary

ABBREVIATIONS (cont.)

AV	Acid-resistant vent, air vent	B & S	Bell-and-spigot pipe
AVG	Average	BSMT	Basement
AW	Acid-resistant waste	BT	Bathtub
AWG	American wire gauge	BTU	British thermal unit
B	Bidet, Bathroom	BUS	Busway
BBD	Boiler blow-down	BUZ	Buzzer
BBL	Barrel(s)	BV	Butterfly valve
BBR	Baseboard radiation	C	Condensate line, Celsius, centigrade
BD	Board	C or COND	Conduit
BD FT (BF)	Board foot	C to C	Center to center
BEV	Beveled	CA	Compressed air
BF	Boiler feed, bottom of footing	CAB	Cabinet
BFP	Boiler feed pump	CAL	Calorie
BFS	Boiler feed set	CAP	Capacitor, Capacity
BHP	Boiler, brake horsepower	CB	Catch basin, circuit breaker
BLDG	Building	CC	Center to center, cubic centimeter, cooling coil
BLK	Black, block	CCW	Counterclock-wise
BLKG	Blocking	CD	Ceiling diffuser, condensate drain
BLR	Boiler	CEM	Cement
BM	Beam, bench mark, board measure	CER	Ceramic
BOD	Bottom of duct	CF	Charcoal filter, chemical feed, cubic foot (feet)
BOP	Bottom of pipe	CFH	Cubic feet per hour
BOT	Bottom	CFM	Cubic feet per minute
BP	Back pressure, base plate, blueprint	CFP	Chemical feed pump
BR	Bedroom, brass	CFU	Chemical feed unit
BRG	Bearing	CH	Chiller
BRK	Brick	CHAM	Chamfer
BRKT	Bracket	CHR	Chilled water return
BRZ	Bronze		
BS	Bar sink		

ABBREVIATIONS (cont.)

CHS	Chilled water supply	CRW	Chemical-resistant waste
CI	Cast iron	CSG	Clean stem generator
CIP	Cast or concrete-in-place	CSK	Countersink
CIR	Circuit	CT	Ceramic tile, cooling tower, current transformer
CIR BKR	Circuit breaker	CTR	Center
CIRC	Circular	CU	Cubic, Copper
CISP	Cast-iron soil pipe	CU FT (ft³)	Cubic foot (feet)
CJ	Ceiling joist, control joint	CU FT.	Cubic feet
CKT	Circuit (elec)	CU IN (in³)	Cubic inch(es)
CL	Center line, closet	CU IN.	Cubic inches
CLG	Ceiling	CU YD (yd³)	Cubic yard(s)
CLK	Caulk	CV or CKV	Check valve
CLR	Clear	CW	Cold water, clockwise
CM	Centimeter	CWM	Clothes washing machine
CM²	Square centimeter	CWR	Cold water riser
CM³	Cubic centimeter	CWS	Cold water supply
CMU	Concrete masonry unit	d	Pennyweight
CO	Cleanout (plum)	D	Diameter, drain line, drain; deep
COL	Column	DA	Deaerator
COM	Common	DAC	Door air curtain
COMP	Composition	DB	Decibel, dry bulb
CONC	Concrete; concentric	DC	Direct current (elec.), duct coil
CONN	Connect (ion)	DDC	Direct digital control
CONST	Construction	DEG	Degree
CONT	Continuous	DEH	Dehumidifier
CONTR	Contractor	DET	Detail
CP	Candle power, concrete pipe, condensate pump	DF	Drinking fountain
CPS	Cycles per second	DH	Double hung
CR	Ceiling register, control relay	DIA, ø	Diameter
CRAC	Computer room air conditioning	DIAG	Diagonal
		DIM	Dimension, dimmer

ABBREVIATIONS (cont.)

DISC	Disconnect	EMF	Electromotive force
DIV	Division	EMT	Electric metallic tubing
DM	Decimeter	ENAM	Enamel
DM²	Square decimeter	ENCL	Enclosure
DM³	Cubic decimeter	ENGR	Engineer
DMPR	Damper	ENT	Entrance
DN	Down	EQUIP	Equipment
DO	Ditto (same as)	ESP	External static pressure
DP	Double-pole, duplicate	EST	Estimate
DPDT	Double-pole double-throw	ET	Expansion tank
DPG	Damp proofing	EUH	Electric unit heater
DR	Drain, dining Rm	EVAP	Evaporator
DS	Downspout	EW	Each way
DUC	Dust collector	EWC	Electric water cooler
DW	Dishwasher, dry wall	EWT	Entering water temperature
DWG	Drawing	EXCAV	Excavate
DWL	Dowel	EXCL	Exclude
DWV	Drain, waste, and vent system	EXH	Exhaust
E to C	End to center	EXP	Expansion
EA	Each	EXST	Existing
EAT	Entering air temperature	EXT	Exterior, external
EDR	Equivalent direct radiation	EXTN	Extension
EER	Energy efficiency ratio	F	Fahrenheit, fire line, fan, forward; fast, field; filter
EF	Exhaust fan	FAB	Fabricate
EFF	Efficiency	FAM RM	Family room
EJ	Expansion joint	FAO	Finish all over
EL	Elevation	FB	Foot bath
ELB	Elbow	F BRK	Fire brick
ELEC	Electrical	FC	Flexible connection
ELEV	Elevation; elevator	FCO	Floor cleanout
EMER	Emergency	FCU	Fan coil unit
		FD	Floor drain

ABBREVIATIONS (cont.)

FDC	Fire dept. conn.	FREQ	Frequency
FDN	Foundation	FRG	Furring
FDR	Feeder	FS	Float or flow switch, floor sink
FDW	Feed water	FSP	Fire standpipe
FEC	Fire extinguisher cabinet	F&T	Float & thermostatic
FF	Finish floor	FT	Foot, flash tank
FG	Finish grade	FTG	Fitting, Footing
FHC	Fire hose cab.	FTS	Foot switch
F & I	Furnish/install	FU	Fixture unit
FIG	Figure	FURN	Furnish, furnace
FIN	Finish	FV	Flush valve
FIN FLR	Finish floor	FWD	Forward
FIN GRD	Finish grade	FWH	Frostproof wall hydrant
FIX	Fixture	FX GL (FX)	Fixed glass
FL	Flow meter, flashing	FX WDW	Fixed window
FL, FLR	Floor	G	Gas, gram, gate, gas line, green
FLA	Full-load amps	GA	Gauge
FLC	Full-load current	GAL	Gallon(s)
FLEX	Flexible	GALV	Galvanize(d)
FLG	Flange, flooring	GAR	Garage
FLT	Full-load torque	GB	Grade beam
FLUOR	Fluorescent	GC	General contractor, glycol cooler
FM	Fire line, flow meter	GD	Ground
FMB	Filter mixing box	GEN	Generator
FO	Fuel oil	GI	Galvanized iron
FOB	Free-on-board	GL	Glass, Glazed
FOM	Face of masonry	GL BLK	Glass block
FOP	Fuel oil pump	GLB, GLU-LAM	Glue-laminated beam
FOS	Face of stud; flush on slab	GLV	Globe valve
FOV	Flush-out valve	GND	Ground
FP	Fire plug, fireplace	GPD	Gallons per day
FPM	Feet per min.	GPH	Gallons per hour
FPS	Feet per sec.		
FR	Frame		

ABBREVIATIONS *(cont.)*

GPM	Gallons per min.	HP	Heat pump, horsepower
GPS	Gallons per sec.	HR	Hour
GR	Grain	HRC	Heat-recovery coil
GRAN	Granular	HRU	Heat-recovery unit
GRD	Grade, ground	HTD	Heated
GRTG	Grating	HTR	Heater
GS	Glass sink	HV	Heating and ventilating unit
GV	Gate valve	HVAC	Heating, ventilating, and air conditioning
GWB	Gypsum wall board	HW	Hot water
GWH	Gas water heater	HWH	Hot water heater
GY	Gray	HWR	Hot water return or hot water riser
GYP	Gypsum	HWT	Hot water tank
H	Hall, humidifier, transformer on primary side	Hz	Hertz
H₂O	Water	I	Current
HB	Hose bibb	IB	Inlet basin
HC	Heating coil	IC	Integrated circuit
Hd/HD	Head	ID	Inside diameter
HDR	Header	IF	Inside face
HDW	Hardware	IN	Inch(es)
HDWD	Hardwood	INCAND	Incandescent
HE	Heat exchanger	INCL	Include
HEF	High-efficiency filter	INCR	Increase
HEPA	High-efficiency particulate air filter	INHg	Inches of mercury
HEX.	Hexagonal	INSUL	Insulation
Hg	Mercury	INT	Interior, Intermediate
HG	Hose gate, hot gas	INTL	Internal
HGT/HT	Height	INV	Invert
HM	Hollow metal	IPS	Iron pipe size
HMD	Humidity	ITB	Inverse time breaker
HORIZ	Horizontal	ITCB	Instantaneous trip circuit breaker
		IV	Indirect vent
		IW	Indirect waste

ABBREVIATIONS (cont.)

J	Joule, Junction	LEV/LVL	Level
J, JST	Joist	LFM	Laminar-flow module
JB	Junction box	LG	Long
JT	Joint	LGTH	Length
K	Kelvin, kilo; cathode, kip (1,000), kitchen	LH	Left hand
KAL	Kalamein	LIN	Lineal
KG	Kilogram	LIN FT (LF)	Lineal foot (feet)
KL	Kiloliter	LIQ	Liquid
KM	Kilometer	LITE/LT	Light (pane)
KM²	Square kilometer	LOG	Logarithm
KP	Kick plate	LP	Low pressure
KPA	Kilopascal	LPG	Liquefied petroleum gas
KS	Kitchen sink	L & PP	Light and power panel
KVA	Kilovolt-amperes	LR	Living room
KW	Kilowatt	LRA	Locked rotor amps
KWH	Kilowatt-hour	LRC	Locked rotor current
L	Length or liter, left, line, load	LT	Laundry tray
L or LAV	Lavatory	LTH	Lath
LAB	Laboratory	LVL	Level
LAD.	Ladder	LVR	Louver
LAM.	Laminated	LWT	Leaving water temperature
LAT	Lateral, Leaving air temperature	M	Meter, motor; motor starter contacts, (1000)
LAU	Laundry	M²	Square meter
LB	Light beam	MAGN	Magnesium
LB-FT	Pounds per feet	MAH	Makeup air heater
LB-IN	Pounds per inch	MAN	Manual
LB.	Pound	MAS	Masonry
LBF	Pound-force	MAT'L	Material
LBR	Labor, lumber	MAV	Manual air vent
LBS	Pounds	MAX	Maximum
L CL	Linen closet		
LDG	Landing, leading		
LDR	Leader		

ABBREVIATIONS (cont.)

MB	Mixing box	MS	Manual starter
MBF/MBM	Thousand board feet, thousand board measure	MTD	Mounted
MBH	Thousand British thermal units per hour	MU	Makeup
MC	Medicine cabinet	MULL	Mullion
MCM	Thousand circular mils	N	Nirth, north
MDP	Main dist. panel	NA	Not applicable
MECH	Mechanical	NC	Normally closed
MED	Medium	NEG	Negative
MET.	Metal	NF	Near face
MEZZ	Mezzanine	NIC	Not in contract
MFR	Manufacturer	N-M	Newton-meter
MG	Milligram	NO	Normally open
MGD	Million gallons per day	NO.	Number
MH	Manhole	NOM	Nominal
MI	Malleable iron	NOR	Normal
MIN	Minimum or minute	NPS	Nominal pipe size
MISC	Miscellaneous	NTDF	Nontime-delay fuse
MK	Mark (identifier)	NTS	Not to scale
ML	Milliliter	O	Oxygen, orange
MLDG	Molding	OA	Outside air
MM	Millimeter	O/A	Overall (meas)
MM³	Cubic millimeter	OAI	Outside air intake
MN	Main	OBSC GL	Obscure glass
MO	Momentary, masonry opening, motor operated	OC (O/C)	On center
MOD	Model, modular	OCPD	Overcurrent protection dev.
MOR	Mortar	OD	Outside diameter
MOUNT	Mounting	OED	Open-end drain, Open-end duct
MPT	Male pipe thread	OF	Overflow
		OF	Outside face
		OFCI	Owner furnished contractor installed
		OFF	Office
		OH	Overhead
		O/H	Overhang

ABBREVIATIONS (cont.)

OL	Overloads	PLWD	Plywood
OPG	Opening	PNEU	Pneumatic
OPP	Opposite	PNL	Panel
OUT	Outlet	PORC	Porcelain
OV	Outlet velocity	PP	Pool piping
OVHD	Overhead	PR	Pair
OZ	Ounce	PREFAB	Prefabricate(d)
OZ/IN	Ounces per inch	PRESS	Pressure
P	Power, pump	PRI	Primary
PA	Pascal	PROP	Propeller
PAN	Pantry	PROP	Property, proposed
PAR	Parallel	PRV	Pressure-reducing valve
PASS	Passage	PSG	Pure steam generator
PAV	Paving	PSI(G)	Pounds per square inch (gauge)
PB	Pushbutton	PTAC	Packaged terminal air conditioner
PC	Piece, pull chain	PTN	Partition
PCR	Pumped condensate return	PUT	Pull-up torque
PD	Planter drain, pressure drop	PV	Plug valve
PERIM	Perimeter	PWR	Power
PERP	Perpendicular	QT	Quarry tile, quart
PF	Prefilter	QTY	Quantity
PG	Pressure gauge	R	Right, radius, Resistance; red, Risers
PH	Phase	RA	Return air
PHC	Preheat coil	RAD	Radius, radiator
PL	Pilot light, plate, property line	RCP	Reinforced concrete pipe
PLAST	Plaster	RD	Road; round; roof drain
PLAT	Platform	REBAR	Reinforced steel bar
PLBG	Plumbing	REC	Recessed
PL GL	Plate glass	RECEPT	Receptacle
PL HT	Plate height		
PLT	Plate (framing)		

ABBREVIATIONS (cont.)

RECOV	Recovery	SB	Sitz bath
RED	Reducer	SC	Self-closing, sill cock, steam coil
REF	Reference, refrigerator	SCH/SCHED	Schedule
REG	Register	SCR	Screen, screw
REINF	Reinforce(ment)	SCUP	Scupper
REQD	Required	SD	Smoke damper, storm drainage
REQ'D	Required	SDG	Siding
RET	Retain(ing); return	SDL	Saddle
REV	Reverse, revision	SEC	Second, secondary
RF	Roof	SECT	Section
RFG	Roofing (mat.)	SEL	Select
RGH	Rough	SENS	Sensible
RGH OPNG	Rough opening	SEP	Separate
RH	Relief hood, right hand	SEQ	Sequence
RIO	Rough-in opening	SER	Series
RL	Roof leader, refrigerant liquid	SERV	Service
RM	Room	SEW	Sewer
RPM	Revolutions per minute	SF	Service factor
RS	Refrigerant suction	SG	Supply air grille
RTN	Return	SH	Shower, Sheet
RV	Relief valve	SH & RD	Shelf and rod
RWD	Redwood	SH HD	Shower head
RWL	Rain water leader	SHLP	Shiplap
S	Soil line, stretcher, switch; series; slow; south	SHT	Sheet
SA	Shock absorber, supply air	SHTHG	Sheathing
SAD	Supply air diffuser	SHWR	Shower
SAN	Sanitary	SIM	Similar
		SJ	Steel joist
		SK	Sink
		SL	Slate, Sleeve
		SM	Sheet metal
		SOL	Solenoid
		SOV	Shutoff valve

ABBREVIATIONS (cont.)

SP	Swimming pool, single-pole, soil pipe (plumbing), static pressure, sump pump	SUCT	Suction
SPAN	Spandrel	SUR	Surface
SPD	Sump pump discharge	SUSP CLG	Suspended ceiling
SPDT	Single-pole double-throw	SV	Service, Safety valve
SPEC	Specification	SW	Service weight, Switch
SPKR	Speaker	SWS	Service water
SPLY	Supply	S & W	Soil and waste
SPR	Sprinkler	SYM	Symbol, symmetric
SPST	Single-pole single-throw	SYS	System
SQ	Square	T	Tempered water, potable; or temperature, thermostat
SQ FT	Square feet	TAN	Tangent
SQ FT (ft²)	Square foot	TB	Top of beam
SQ IN (in²)	Square inch(es)	T & B	Top and bottom
SQ YD (yd²)	Square yard(s)	TC	Terra cotta, top of concrete, top of curb
SR	Supply air register	TD	Temp. diff., Time delay
SS	Service sink, sanitary sewer, stainless steel	TDF	Time-delay fuse
ST	Storm	TEL	Telephone
STA	Station	TEMP	Temperature
STD	Standard	TEMPL	Template
STIFF.	Stiffener	TERR	Terrazzo
STIR	Stirrup (rebar)	TF	Top of footing
STL	Steel	T&G	Tongue/groove
STM	Steam	TH	Thermometer
STN	Stone	THK	Thick
STOR	Storage	THR	Threaded
STR	Straight, strainer	TJ	Top of joist
STR/ST	Street	TM	Top of masonry
STRUCT	Structural	TMB	Telephone mounting board
		TOB	Top of beam

ABBREVIATIONS *(cont.)*

TOC	Top of curb	VCL	Vacuum cleaning line
TOF	Top of footing	VEL	Velocity
TOIL	Toilet	VERT	Vertical
TOL	Top of ledger	VEST	Vestibule
TOP	Top of parapet	VF	Variable air volume box
TOS	Top of steel	VIB	Vibration
TP	Top of pier	VOL	Volume
TR	Tread, transition	VP	Vitreous pipe
TRANS	Transformer	VR	Vent riser
TRK	Track, truck	VS	Vent stack
TS	Tensile strength, time switch, top of slab	VSD	Variable-speed drive
TSP	Total static press.	VTR	Vent through roof
TV	Turning vanes	W	Waste or waste line, watt; width, west, white
TW	Top of wall	W/	With
TYP	Typical	WB	Wet bulb
U or UR	Urinal	WC	Water closet
UF	Under floor, underground feeder (elec.)	WCL	Water cooler
UH	Unit heater	WCO	Wall cleanout
UNFIN	Unfinished	WD	Wood
USE	Underground service entrance cable (electrical)	WDW	Window
V	Vent line, valve, variable air, volume box, vent; volt	WF	Water or wash fountain, wall fin radiation
VA	Voltamps	W GL	Wire glass
VAC	Vacuum	WH	Water heater, weep hole
VAN	Vanity	WHR	Watt-hour
VAR	Varies	WI	Wrought iron
VAV	Variable air volume	WM	Washing mach. water meter
VB	Vacuum breaker	W/O	Without
VC	Vitrified clay	WP	Weatherproof, work point
VCI	Vacuum cleaning inlet	WR	Washroom

ABBREVIATIONS *(cont.)*

WR BD	Weather-resistant board	X	Transformer on secondary side
WS	Weather strip	XH	Extra heavy
WT/WGT	Weight	Y	Wye, yellow
WV	Water valve	YD	Yard
WWF	Welded-wire fabric		