PLUMBING ABBREVIATIONS

A

A	AIR (COMPRESSED)
ABV	ABOVE
AC	ABOVE CEILING
AD	ACCESS DOOR, AREA DRAIN
ADJ	ADJUSTABLE
AFC	ABOVE FINISHED CEILING
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
AL	ALUMINUM
AP	ACCESS PANEL
APD	AIR PRESSURE DROP
ARCH	ARCHITECT, ARCHITECTURAL
AS	AIR SEPARATOR
AV	ACID VENT, AIR VENT
AVG	AVERAGE
AW	ACID WASTE
AWS	AMERICAN WELDING SOCIETY
AUX	AUXILIARY

B

B	BOILER
BC	BELOW COUNTER
BF	BELOW FLOOR
BFF	BELOW FINISHED FLOOR
BFV	BUTTERFLY VALVE
BH	BOX HYDRANT
BLDG	BUILDING
BM	BENCHMARK
BOP	BOTTOM OF PIPE
BOS	BOTTOM OF STRUCTURE
BT	BATH TUB, BREAK TANK
BTU	BRITISH THERMAL UNIT
BV	BALL VALVE
BWV	BACK WATER VALVE

C

C°	CELSIUS DEGREES
CB	CATCH BASIN
CD	CONDENSATE DRAIN LINE
CFM	CUBIC FEET PER MINUTE
CFS	CUBIC FEET PER SECOND
CI	CAST IRON
CIRC	CIRCULATING
CL	CENTERLINE
CLG	CEILING
CLR	CLEAR
CMP	CORRIGATED METAL PIPE
CMU	CONCRETE MASONRY UNIT
CPI	CAST IRON PIPE INSTITUTE
CPVC	CHLORINATED POLYVINYL CHLORIDE
CO	CLEAN OUT
COL	COLUMN
COMB	COMBINATION
CON	CONVERTER
CONN	CONNECTION
CONT	CONTINOUS,CONTINUATION
CT	COOLING TOWER
CTR	CENTER
CU	COPPER
CW	COLD WATER

D

D	DRAIN
DESIG	DESIGNATION
DTL	DETAIL
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIM	DIMENSION
DISC	DISCONNECT
DN	DOWN
DSCU	DUCTLESS SPLIT CONDENSING UNIT
DW	DISHWASHER
DWG	DRAWING
DWH	DOMESTIC WATER HEATER
DWP	DOMESTIC WATER PUMP
DX	DIRECT EXPANSION

E

EA	EACH
EC	ELECTRICAL CONTRACTOR
EDF	ELECTRIC DRINKING FOUNTAIN
EJ	EXPANSION JOINT
EL	ELEVATION
ELEV	ELEVATOR
EMERG	EMERGENCY
ENCL	ENCLOSURE
EQ	EQUAL
EQUIP	EQUIPTMENT
ES	EMERGENCY SHOWER
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
ETR	EXISTING TO REMAIN
EVAP	EVAPORATOR
EWT	ENTERING WATER TEMPERATURE
EXT	EXTERNAL
EXTG	EXISTING

F

F°	FAHRENHEIT DEGREES
FBO	FURNISHED BY OTHERS
FCO	FLOOR CLEAN OUT
FCS	FLOOR CONTROL STATON
FD	FLOOR DRAIN
FDS	FIRE DEPARTMENT SIAMESE
FDV	FIRE DEPARTMENT VALVE
FH	FIRE HYDRANT
FHC	FIRE HOSE CABINET
FHR	FIRE HOSE RACK
FIN	FINISHED
FIXT	FIXTURE
FL	FLOW LINES
FLR	FLOOR
FRZR	FREEZER
FS	FLOOR SINK
FSK	FLOOR SINK
FT	FOOT, FEET
FUT	FUTURE

G

G	GAS
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GC	GENERAL CONTRACTOR, GRADE CLEANOUT
GV	GATE VALVE
GLV	GLOBE VALVE
GND	GROUND
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GSH	GRAND SENSIBLE HEAT
GTH	GRAND TOTAL HEAT
GVAC	GREASE VENT ABOVE CEILING

H

H	HUMIDIFIER
HB	HOSE BIBB
HD	HUB DRAIN
HE	HEAT EXCHANGER
HORIZ	HORIZONTAL
HP	HORSEPOWER, HALON PANEL
HPU	HEAT PUMP UNIT
HKP	HOUSEKEEPING PAD
HSC	HORIZONTAL SPLIT CASE
HSTAT	HUMIDISTAT
HT	HEIGHT
HTR	HEATER
HW	HOT WATER
HWC	HOT WATER CIRCULATOR
HWP	HEATING WATER PUMP
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY

I

IE	INVERT ELEVATION
IH	INFRARED HEATER
IN	INCH
INT	INTERNAL, INTERIOR
IW	INDIRECT WASTE

J

JB	JUCTION BOX
JP	JOCKEY PUMP

K

KEC	KITCHEN EQUIPTMENT CONTRACTOR

L

L	LENGTH, LAVATORY
LAV	LAVATORY
LF	LINEAR FEET
LP	LOW PRESSURE
LRA	LOCKED ROTOR AMPS
LVL	LEVEL
LWCO	LOW WATER CUT OFF
LWT	LEAVING WATER TEMPERATURE

M

MAX	MAXIMUM
MBH	THOUSAND OF BTU'S
MC	MECHANICAL CONTRACTOR
MECH	MECHANICAL
MFR	MANUFACTURER
MH	MANHOLE
MI	MALLEABLE IRON
MIN	MINIMUM
MP	MEDIUM PRESSURE
MS	MOP SINK
MTD	MOUNTED

N

NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
N.O.	NORMALLY OPEN
NC	NORMALLY CLOSED
NO.	NUMBER
NTS	NOT TO SCALE

O

OC	ON CENTER
OD	OUTSIDE DIAMETER, OVERFLOW DRAIN
OPG	OPENING
OS&Y	OPEN STEM AND YOLK

P

P	PUMP
PC	PLUMBING CONTRACTOR
PCR	PUMPED CONDENSATE RETURN
PD	PRESSURE DROP, PLANTER DRAIN
PH	PHASE, POST HYDRANT
PIV	POST INDICATOR VALVE
PLBG	PLUMBING
PNEU	PNEUMATIC
PNTH	PENTHOUSE
PP	POLYPROPYLENE
PPM	PART PER MILLION
PRI	PRIMARY
PRS	PRESSURE REDUCING STATION
PRV	PRESSURE REDUCING VALVE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
PT	PLUMBING TRIM
PV	PLUG VALVE
PVC	POLYVINYL CHLORIDE

Q

QTY	QUANITY

R

RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
RE	REFERENCE,REFER
RED	REDUCER
REINF	REINFORCING
REQD	REQUIRED
REV	REVISION, REVISE
RPM	REVOLUTIONS PER MINUTE
RV	RELIEF VALVE

S

S	STEAM
SAN	SANITARY SEWER
SC	STEAM CONDENSATE
SCHED	SCHEDULED
SCR	SILICON CONTROLLED RECTIFIER
SD	STORM DRAIN
SE	SEWAGE EJECTOR
SEC	SECONDARY
SECT	SECTION
SENS	SENSIBLE
SF	SQUARE FEET
SFCS	SPRINKLER FLOOR CONTROL STATION
SH	SHOWER
SIM	SIMILAR
SK	SINK
SP	SUMP PUMP, STATIC PRESSURE
SPEC	SPECIFICATION
SPR	SPRINKLER
SQ	SQUARE
SS	SANITARY SEWAGE
SSD	SUBSURFACE DRAIN
SSUF	SANITARY SEWER UNDER FLOOR
SSSC	SOLID STATE SPEED CONTROL
STD	STANDARD
STL	STEEL
STR	STRAINER
SURF	SURFACE
SUSP	SUSPEND
SV	SANITARY VENT
SW	SOFT WATER

T

TC	TEMPERATURE CONTROL
TD	TRENCH DRAIN
TDH	TOTAL DYNAMIC HEAD
TH BLK	THRUST BLOCK
TP	TRAP PRIMER
TPD	TRAP PRIMER DEVICE
TYP	TYPICAL

U

U	URINAL
UG	UNDERGROUND
UH	UNIT HEATER
UL	UNDERWRITERS LABORATORIES, INC.
UNO	UNLESS NOTED OTHERWISE
UF	UNDERFLOOR
US	UNDERSLAB

V

V	VENT
VAC	VENT ABOVE CEILING
VCP	VITRIFIED CLAY PIPE
VFD	VARIABLE FREQUENCY DRIVE
VIB	VALVE IN BOX
VOV	VALVE ON VERTICAL
VP	VACUUM PUMP
VTR	VENT THRU ROOF
VUF	VENT UNDER FLOOR
VUG	VENT UNDER GROUND

W

WC	WATER CLOSET
WCO	WALL CLEANOUT
WH	WALL HYDRANT
WM	WATER METER
WP	WEATHERPROOF
WPD	WATER PRESSURE DROP
WWF	WELDED WIRE FABRIC
WT	WATERTIGHT, WEIGHT

Y

Z

PLUMBING PIPING SYMBOLS

Symbol	Description
SS	SANITARY SEWER/WASTE PIPING
-	COLD WATER SUPPLY PIPING
- -	HOT WATER SUPPLY PIPING
- - -	HOT WATER RETURN PIPING
- - - - - - -	VENT/REVENT PIPING
O	OXYGEN
G	GAS PIPING
A	AIR PIPING
FW	FILTER WATER
F	FIRE LINE
CD	CONDENSATE DRAIN
CWS	CONDENSER WATER SUPPLY
CWR	CONDENSER WATER RETURN
V	VACUUM
N2O	NITROUS OXIDE
140°	HOT WATER 140°
160°	HOT WATER 160°
180°	HOT WATER 180°
GW	GREASE WASTE
RD	ROOF DRAIN PIPING
	DRAIN PIPING
RHG	REFRIGERANT HOT GAS LINE
RS	REFRIGERANT SUCTION LINE
RL	REFRIGERANT LIQUID LINE
S (30#)	STEAM (PSIG)
SC	STEAM CONDENSATE
OF	OVERFLOW DRAIN
AW	ACID WASTE
AV	ACID VENT
FS	FIRE SPRINKLER
TP	TRAP PRIMER
SS	EXISTING SANITARY SEWER/WASTE PIPING
-	EXISTING COLD WATER SUPPLY PIPING
- -	EXISTING HOT WATER SUPPLY PIPING
- - -	EXISTING HOT WATER RETURN PIPING
- - - - - - -	EXISTING VENT / REVENT PIPING
O	EXISTING OXYGEN
G	EXISTING GAS PIPING
A	EXISTING AIR PIPING
FW	EXISTING FILTER WATER
F	EXISTING FIRE LINE
CD	EXISTING CONDENSATE DRAIN
CHWS	EXISTING CHILLED WATER SUPPLY
CHWR	EXISTING CHILLED WATER RETURN
CWS	EXISTING CONDENSER WATER SUPPLY
CWR	EXISTING CONDENSER WATER RETURN
V	EXISTING VACUUM
N2O	EXISTING NITROUS OXIDE
140°	EXISTING HOT WATER 140°
160°	EXISTING HOT WATER 160°
180°	EXISTING HOT WATER 180°
GT	EXISTING GREASE WASTE
	EXISTING ROOF DRAIN PIPING
	EXISTING DRAIN PIPING

PLUMBING VALVES

- BALL VALVE
- BEND VALVE
- BUCK VALVE
- BUTT VALVE
- CHECK VALVE
- GLOBE VALVE
- GATE VALVE
- GATE VALVE
- HOOK VALVE
- HOOK VALVE
- PLUG VALVE
- PLUG VALVE
- SHUT VALVE
- SHUT VALVE
- SHUT VALVE
- SQUARE VALVE
- UNION VALVE
- VALVE IN DROP
- YOKE VALVE
- 2-WAY VALVE
- 3-WAY ARC VALVE
- 3-WAY SQUARE VALVE

PLUMBING FITTINGS

- BIBB
- CAP
- DRAIN
- DRAIN WITH DROP
- DROP
- FLOW DIRECTION
- FLANGE
- ELBOW FITTING
- TEE FITTING
- FCO — FLOOR CLEANOUT
- YCO — YARD CLEANOUT
- FLOOR DRAIN (SIZE & TYPE NOTED IN SPECIFICATION)
- HD — HUB DRAIN

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PLUMBING SYMBOLS AND ABBREVIATIONS

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P100

CAD	P	E	M	PM
JH/RAM/HG	HN	MG	TP	RGM

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