

PLUMBING ABBREVIATIONS

A/E	ARCHITECT / ENGINEER	L/S	LITER PER SECOND
AD	AREA DRAIN	LA	LABORATORY AIR
AFF	ABOVE FINISH FLOOR	LAV	LAVATORY
AFG	ABOVE FINISH GRADE	LBS/HR	POUNDS PER HOUR
AG	AIR GAP	LCW	LABORATORY COLD WATER
AP	ACCESS PANEL	LHW	LABORATORY HOT WATER
AS	AUTOMATIC SPRINKLER	LV	LABORATORY VACUUM
ASD	AUTOMATIC SPRINKLER DRAIN	LW	LOW WATER
ASHRAE	AMERICAN SOCIETY HEATING, REFRIGERATION, AIR CONDITIONING ENGINEERS	M	METER
ASME	AMERICAN SOCIETY MECHANICAL ENGINEERS	MA	MEDICAL AIR
ASPE	AMERICAN SOCIETY PLUMBING ENGINEERS	MAV	MANUAL AIR VENT
ASR	AUTOMATIC SPRINKLER RISER	MBH	1000 BTUH
		MED	MEDICAL
		MER	MECHANICAL EQUIPMENT ROOM
BFP	REDUCED PRESSURE BACKFLOW PREVENTER	MH	MANHOLE
BHP	BREAK HORSEPOWER	MOU	MEMORANDUM OF UNDERSTANDING
BSP	BLACK STEEL PIPE	MSB	MOP SERVICE BASIN
BT	BATHTUB	MV	MEDICAL VACUUM
BTU	BRITISH THERMAL UNIT		
BTUH	BRITISH THERMAL UNIT PER HOUR		
		N2	NITROGEN
C	CELSIUS	N2O	NITROUS OXIDE
CGA	COMPRESSED GAS ASSOCIATION	NC	NORMALLY CLOSED
CI	CAST IRON	NG	NATURAL GAS
CO	CLEANOUT	NIC	NOT IN CONTRACT
CS	CLINICAL SINK	NO	NORMALLY OPEN
CV	CONTROL VALVE	NOM.	NOMINAL
		NPW	NON POTABLE WATER
		NTC	NOT TO SCALE
DCW	DOMESTIC COLD WATER	O2	OXYGEN
DHW	DOMESTIC HOT WATER	OC	ON CENTER
DHWR	DOMESTIC HOT WATER RETURN	OD	OUTSIDE DIAMETER
DHWS	DOMESTIC HOT WATER SUPPLY	OFD	OVERFLOW DRAIN
DN	DOWN	OR	OPERATING ROOM
DOE	DEPARTMENT OF ENERGY	OVFL	OVERFLOW
DS	DOWNSPOUT		
DW	DISHWASHER	PA	PASCAL
DWG	DRAWING	PD	PRESSURE DROP OR DIFFERENCE
DWH	DOMESTIC WATER HEATER	PDI	PLUMBING AND DRAINAGE INSTITUTE
DWR	DRINKING WATER RETURN	PG	PRESSURE GAGE
DWS	DRINKING WATER SUPPLY	PP	PLUMBING PUMP
DWV	DRAIN WASTE VENT	PPM	PARTS PER MILLION
		PRS	PRESSURE REDUCING STATION
EL	ELEVATION	PRV	PRESSURE REDUCING VALVE
EMCS	ENERGY MONOSERRAT AND CENTRAL SYSTEM	PSI	POUNDS PER SQUARE INCH
EPA	ENVIRONMENTAL PROTECTION AGENCY	PSIA	POUNDS PER SQUARE INCH ATMOSPHERE
EPACT	ENERGY POLICY ACT	PSIG	POUNDS PER SQUARE INCH GAUGE
ESC	ESCUTCHEON	PW	POTABLE WATER
ESH	EMERGENCY SHOWER		
ET	EXPANSION TANK	RD	ROOF DRAIN
EW	ELECTRIC WATER COOLER	RDL	ROOF DRAIN LEADER
EWC	ELECTRIC WATER COOLER	RL	ROOF LEADER
EW	ELECTRIC WATER HEATER	RWL	RAIN WATER LEADER
EWS	EYE WASH STATION		
EX	EXISTING		
		SAN	SANITARY SEWER
F	FAHRENHEIT	SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION
FCO	FLOOR CLEANOUT		
FCW	FILTERED COLD WATER	SCFM	STANDARD CUBIC FOOT/MINUTE
FD	FLOOR DRAIN	SDMH	STORM DRAIN MANHOLE
FDC	FIRE DEPARTMENT (HOSE) CONNECTION	SP	SUMP PUMP
FM	FLOW METER	SPR	SPRINKLER LINE
FS	FLOW SWITCH	SF	SQUARE FEET
		SS	STAINLESS STEEL
GAL	GALLON	SW	STORM WATER
GCO	GRADE CLEANOUTS		
GPD	GALLONS PER DAY	TYP	TYPICAL
GPH	GALLONS PER HOUR		
GPM	GALLONS PER MINUTE	UPC	UNIFORM PLUMBING CODE
GPR	GAS PRESSURE REGULATOR		
GRS	GAS REGULATOR STATION	V	VENT
GT	GREASE TRAP	VAC	VACUUM
GVTR	GAS VENT THROUGH ROOF	VB	VACUUM BREAKER
GWH	GAS FIRED WATER HEATER	VS	VENT STACK
		VTR	VENT THROUGH ROOF
H&CW	HOT AND COLD WATER		
HB	HOSE BIBB	W	WASTE
HD	HUB DRAIN	WC	WATER CLOSET
HEX	HEAT EXCHANGER	WCO	WALL CLEANOUT
HP	HORSEPOWER	WG	WATER GAGE
HS	HAND SINK	WH	WALL HYDRANT
HST	HOT WATER STORAGE TANK (DOMESTIC)	WH	WATER HEATER
HWB	HOT WATER BOILER	WHA	WATER HAMMER ARRESTER
HWCP	HOT WATER CIRCULATING PUMP	WL	WATER LINE
HWP	HOT WATER PUMP	WM	WATER METER
HYD	HYDRANT	WPD	WATER PRESSURE DROP
		WS	WASTE STACK
INV	INVERT		
IPC	INTERNATIONAL PLUMBING CODE		
IRW	IRRIGATION WATER		
IW	INDIRECT WASTE		
IWH	INSTANTANEOUS WATER HEATER		
KW	KILOWATT		
KWHR	KILOWATT-HOUR		

0
three inches = one foot
0
one and one-half inches = one foot
0
one inch = one foot
0
three-quarters inch = one foot
0
one-half inch = one foot
0
three-eighths inch = one foot
0
one-quarter inch = one foot
0
one-eighth inch = one foot

Revisions	Date	Approved: Energy Engineer	Approved: Safety Manager	Approved: Service Chief	Drawing Title P-001 PLUMBING ABBREVIATIONS	Project Title UPGRADE WATER DISTRIBUTION	Date 05-25-12	Veterans Affairs
			Approved: Infection Control Officer	Approved: Chief of Staff		Building Number	Project No. 658-12-104	
			Approved: GEMS Coordinator	Approved: Associate Director	Approved: Chief of Facility Management Svc.	Checked EBC	Drawn WBJ	
					Approved: Medical Center Director	Location V.A.M.C. SALEM 24153	DRAWING NO. 2559 Dwg. 23 Of 25	