



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	LOW	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 UNDERSTADING
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
		N2O	NITROUS OXIDE
C	CELSIUS	NC	NORMALLY CLOSED
CGA	COMPRESSED GAS ASSOCIATION	NG	NATURAL GAS
CI	CAST IRON	NIC	NOT IN CONTRACT
CO	CLEANOUT	NO	NORMALLY OPEN
CS	CLINICAL SINK	NOM.	NOMINAL
CV	CONTROL VALVE	NPW	NON POTABLE WATER
		NTC	NOT TO SCALE
		O2	OXYGEN
DCW	DOMESTIC COLD WATER	OC	ON CENTER
DHW	DOMESTIC HOT WATER	OD	OUTSIDE DIAMETER
DHWR	DOMESTIC HOT WATER RETURN	OFD	OVERFLOW DRAIN
DHWS	DOMESTIC HOT WATER SUPPLY	OR	OPERATING ROOM
DN	DOWN	OVFL	OVERFLOW
DOE	DEPARTMENT OF ENERGY		
DS	DOWNSPOUT	PA	PASCAL
DW	DISHWASHER	PD	PRESSURE DROP OR DIFFERENCE
DWG	DRAWING	PDI	PLUMBING AND DRAINAGE INSTITUTE
DWH	DOMESTIC WATER HEATER	PC	PRESSURE GAGE
DWR	DRINKING WATER RETURN	PP	PLUMBING PUMP
DWS	DRINKING WATER SUPPLY	PPM	PARTS PER MILLION
DWV	DRAIN WASTE VENT	PRS	PRESSURE REDUCING STATION
		PRV	PRESSURE REDUCING VALVE
EL	ELEVATION	PSI	POUNDS PER SQUARE INCH
EMCS	ENERGY MONOSERRAT AND CENTRAL SYSTEM	PSIA	POUNDS PER SQUARE INCH ATMOSPHERE
EPA	ENVIRONMENTAL PROTECTION AGENCY	PSIG	POUNDS PER SQUARE INCH GAUGE
EPACT	ENERGY POLICY ACT	PW	POTABLE WATER
ESC	ESCUTCHEON		
ESH	EMERGENCY SHOWER	RD	ROOF DRAIN
ET	EXPANSION TANK	RDL	ROOF DRAIN LEADER
EW	ELECTRIC WATER COOLER	RL	ROOF LEADER
EW	ELECTRIC WATER COOLER	RWL	RAIN WATER LEADER
EW	ELECTRIC WATER HEATER		
EWS	EYE WASH STATION	SAN	SANITARY SEWER
EX	EXISTING	SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION
		SCFM	STANDARD CUBIC FOOT/MINUTE
F	FAHRENHEIT	SDMH	STORM DRAIN MANHOLE
FCO	FLOOR CLEANOUT	SP	SUMP PUMP
FCW	FILTERED COLD WATER	SPR	SPRINKLER LINE
FD	FLOOR DRAIN	SF	SQUARE FEET
FDC	FIRE DEPARTMENT (HOSE) CONNECTION	SS	STAINLESS STEEL
FM	FLOW METER	SW	STORM WATER
FS	FLOW SWITCH		
		TYP	TYPICAL
GAL	GALLON	UPC	UNIFORM PLUMBING CODE
GCO	GRADE CLEANOUTS		
GPD	GALLONS PER DAY	V	VENT
GPH	GALLONS PER HOUR	VAC	VACUUM
GPM	GALLONS PER MINUTE	VB	VACUUM BREAKER
GPR	GAS PRESSURE REGULATOR	VS	VENT STACK
GRS	GAS REGULATOR STATION	VTR	VENT THROUGH ROOF
GT	GREASE TRAP		
GVTR	GAS VENT THROUGH ROOF	W	WASTE
GWH	GAS FIRED WATER HEATER	WC	WATER CLOSET
		WCO	WALL CLEANOUT
H&CW	HOT AND COLD WATER	WG	WATER GAGE
HB	HOSE BIBB	WH	WALL HYDRANT
HD	HUB DRAIN	WH	WATER HEATER
HEX	HEAT EXCHANGER	WHA	WATER HAMMER ARRESTER
HP	HORSEPOWER	WL	WATER LINE
HS	HAND SINK	WM	WATER METER
HST	HOT WATER STORAGE TANK (DOMESTIC)	WPD	WATER PRESSURE DROP
HWB	HOT WATER BOILER	WS	WASTE STACK
HWCP	HOT WATER CIRCULATING PUMP		
HWP	HOT WATER PUMP		
HYD	HYDRANT		
INV	INVERT		
IPC	INTERNATIONAL PLUMBING CODE		
IRW	IRRIGATION WATER		
IW	INDIRECT WASTE		
IWH	INSTANTANEOUS WATER HEATER		
KW	KILOWATT		
KWHR	KILOWATT-HOUR		

Revisions	Date		Approved: Energy Engineer	Approved: Safety Manager	Approved: Service Chief	Drawing Title PLUMBING ABBREVIATIONS	Project Title UPGRADE WATER DISTRIBUTION	Date 04-02-12	Project No. 658-12-104	Veterans Affairs	
				Approved: Infection Control Officer	Approved: Chief of Staff						
				Approved: GEMS Coordinator	Approved: Associate Director	Approved: Chief of Facility Management Svc.	Building Number NORTH SITE	Checked EBC	Drawn WBJ		DRAWING NO. P-001 2559
						Approved: Medical Center Director	Location V.A.M.C. SALEM 24153				Dwg.20 Of 22