

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

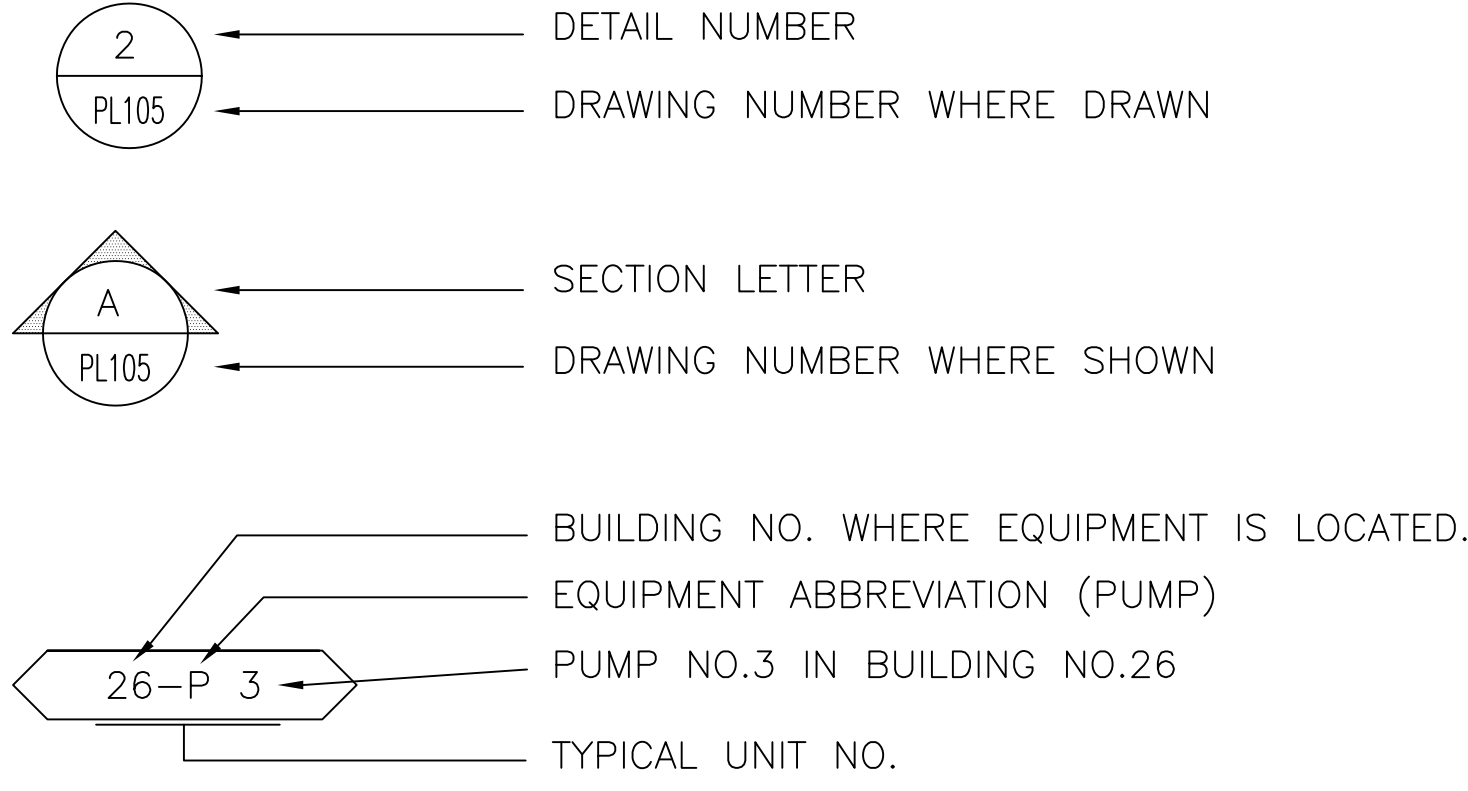
PLUMBING PIPING SYMBOLS

—	—	—	DOMESTIC COLD WATER, COLD WATER
SAN	SAN	SAN	SANITARY SEWER
SS	SS	SS	SANITARY SEWER (OPTIONAL)
SAN	SAN	SAN	SANITARY SEWER, BELOW GRADE
SD	SD	SD	STORM WATER
SD	SD	SD	STORM WATER, BELOW GRADE
SCW	SCW	SCW	SOFTEN COLD WATER
FCW	FCW	FCW	FILTERED COLD WATER
DWS	DWS	DWS	DRINKING WATER SUPPLY
DWR	DWR	DWR	DRINKING WATER RETURN
TWS	TWS	TWS	TEMPERED WATER SUPPLY
TWR	TWR	TWR	TEMPERED WATER RETURN
N ₂ O	N ₂ O	N ₂ O	NITROUS OXIDE
O	O	O	OXYGEN
N ₂	N ₂	N ₂	NITROGEN
NG	NG	NG	NATURAL GAS
NG	NG	NG	NATURAL GAS, BELOW GRADE
FOD	FOD	FOD	FUEL OIL DISCHARGE
FOS	FOS	FOS	FUEL OIL SUPPLY
FOV	FOV	FOV	FUEL OIL VENT
FOR	FOR	FOR	FUEL OIL RETURN

PLUMBING VALVE SYMBOLS

	GATE VALVE
	GLOBE VALVE
	GATE VALVE WITH 3/4 " HOSE ADAPTER
	CHECK VALVE
	ANGLE GLOBE VALVE
	BUTTERFLY VALVE
	BALL VALVE
	PRESSURE REGULATING VALVE
	PRESSURE RELIEF VALVE
	MANUAL AIR VENT
	TEST PLUG (PRESSURE/TEMPERATURE)
	AUTOMATIC AIR VENT

DRAWING SYMBOLS



GENERAL PLUMBING SYMBOLS

	DIRECTION OF PIPE PITCH (DOWN)
	DIRECTION OF FLOW
	ANCHOR
	REDUCER OR INCREASER
	ECCENTRIC REDUCER
	TOP CONNECTION, 45° OR 90°
	BOTTOM CONNECTION, 45° OR 90°
	SIDE CONNECTION
	CAPPED OUTLET
	RISE OR DROP IN PIPE
	UNION
	PIPE UP
	PIPE DOWN
	POINT OF CONNECTION BETWEEN NEW AND EXISTING WORK
	LIMIT OF DEMOLITION
	INVERTED BUCKET TRAP SET INCLUDING PIPING ACCESSORIES
	FLOAT & THERMOSTATIC TRAP SET INCLUDING PIPING ACCESSORIES
	STRAINER
	THERMOMETER
	PRESSURE GAGE
	FLOW ELEMENT
	CLEAN OUT
	HOSE BIB

Revisions	Date	Approved: Energy Engineer	Approved: Safety Manager	Approved: Service Chief	Drawing Title PLUMBING SYMBOLS	Project Title UPGRADE WATER DISTRIBUTION	Date 04-02-12	Project No. 658-12-104	DRAWING NO. P-002 2559	Dwg. 21 of 22	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	Location V.A.M.C. SALEM 24153		
					Approved: Medical Center Director						