

one-eighth inch = one foot
0 4 8 16

one-quarter inch = one foot
0 4 8

three-eighths inch = one foot
0 4

one-half inch = one foot
0 4

three-quarters inch = one foot
0 6 12

one inch = one foot
0 6 12

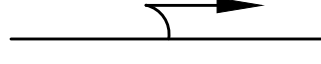
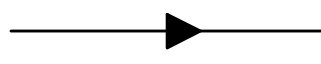
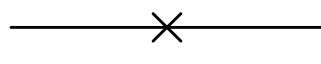
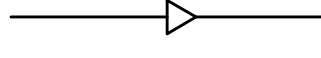
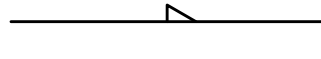
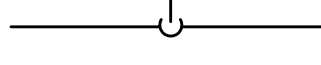


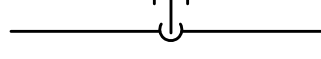
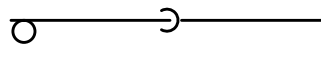
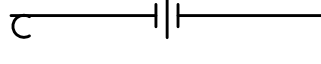
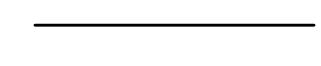
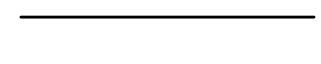
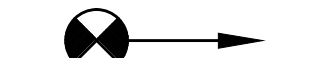





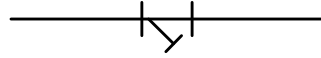

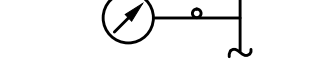
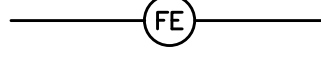
one and one-half inches = one foot
0 6 12

two inches = one foot
0 6 12


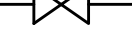
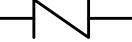


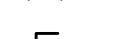
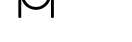





PLUMBING PIPING SYMBOLS

— SAN — SAN — SAN —	DOMESTIC COLD WATER, COLD WATER
— SS — SS — SS —	SANITARY SEWER
— SAN — SAN — SAN —	SANITARY SEWER (OPTIONAL)
— SD — SD — SD —	SANITARY SEWER, BELOW GRADE
— SD — SD — SD —	STORM WATER
— SCW — SCW — SCW —	STORM WATER, BELOW GRADE
— FCW — FCW — FCW —	SOFTEN COLD WATER
— DWS — DWS — DWS —	FILTERED COLD WATER
— DWR — DWR — DWR —	DRINKING WATER SUPPLY
— TWS — TWS — TWS —	DRINKING WATER RETURN
— TWR — TWR — TWR —	TEMPERED WATER SUPPLY
— No — No — No —	TEMPERED WATER RETURN
— O — O — O —	NITROUS OXIDE
— N ₂ — N ₂ — N ₂ —	OXYGEN
— NG — NG — NG —	NITROGEN
— NG — NG — NG —	NATURAL GAS
— FOD — FOD — FOD —	NATURAL GAS, BELOW GRADE
— FOS — FOS — FOS —	FUEL OIL DISCHARGE
— FOV — FOV — FOV —	FUEL OIL SUPPLY
— FOR — FOR — FOR —	FUEL OIL VENT
	FUEL OIL RETURN

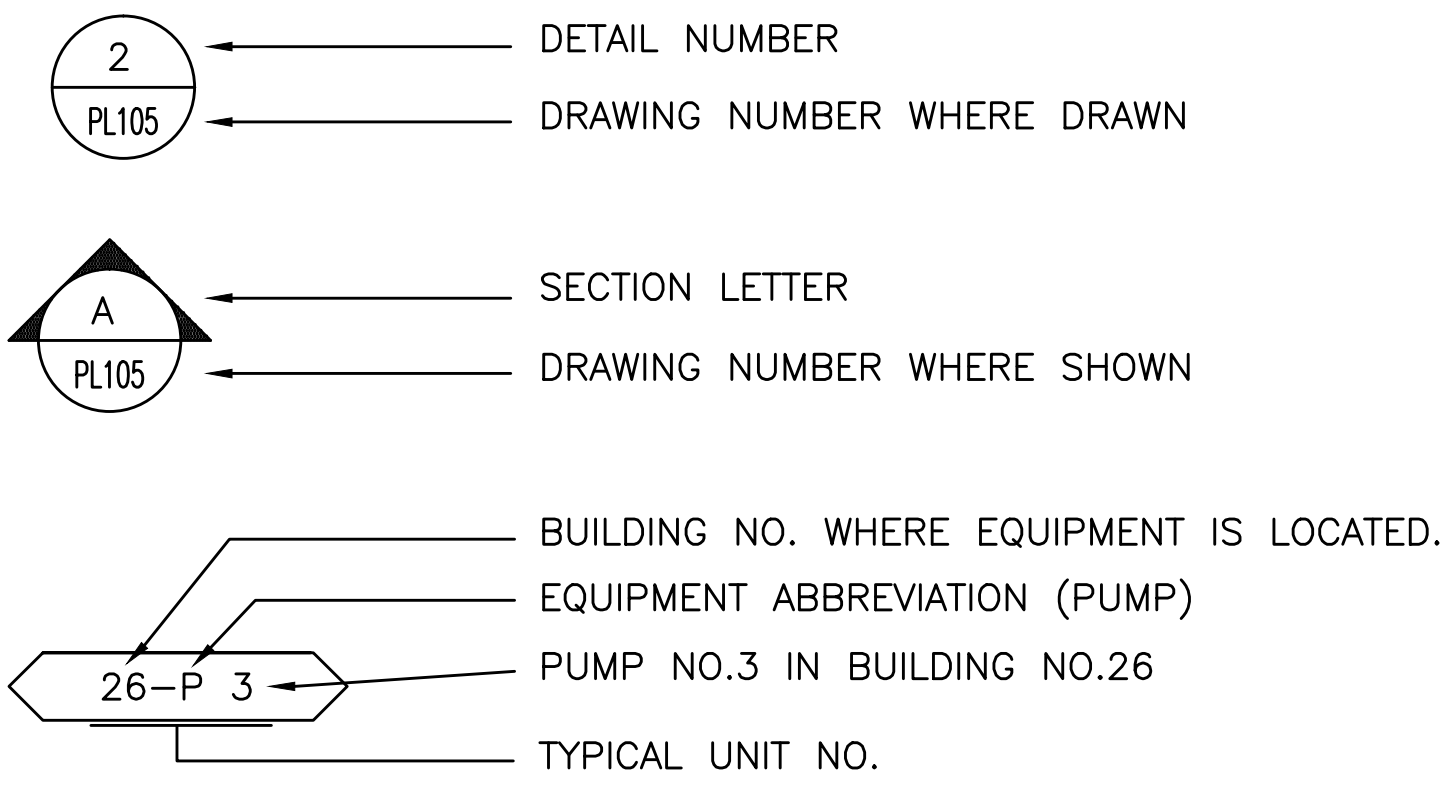
GENERAL PLUMBING SYMBOLS

	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

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

[illegible]