

PLUMBING LEGEND

	EXISTING SANITARY PIPING
	EXISTING GREASE PIPING
	EXISTING VENT PIPING
	EXISTING CW PIPING
	EXISTING HW PIPING
	EXISTING PIPING/EQUIPMENT TO BE REMOVED OR DEMOLISHED
	SANITARY PIPING
	GREASE PIPING
	VENT PIPING
	FRESH AIR VENT PIPING
	NATURAL GAS PIPING
	CW PIPING
	HW PIPING
	HWR PIPING
	CONDENSATE PIPING
	TRAP PRIMER LINE (1/2\"/>
	PRIMARY RAIN LEADER
	STORM DRAIN PIPING
	CAP
	ELBOW TURNED UP
	ELBOW TURNED DOWN
	TEE, OUTLET UP
	TEE, OUTLET DOWN
	BALL VALVE
	BUTTERFLY VALVE
	PRESSURE REGULATOR
	FIRE ALARM SHUT-OFF VALVE
	SWING CHECK VALVE
	WATER HAMMER ARRESTER
	MANUAL GAS SHUT-OFF VALVE, PRESSURE REGULATOR, AND METER
	CONNECTION, NEW TO EXISTING
	LIMIT OF DEMOLITION

ABBREVIATIONS

AC	ABOVE CEILING
AF	ABOVE FLOOR
AFG	ABOVE FINISHED FLOOR
AS	ABOVE SLAB
BFF	BELOW FINISHED FLOOR
BFP	BACKFLOW PREVENTER
BG	BELOW GRADE
BS	BELOW SLAB
CA	COMPRESSED AIR
CO	CLEANOUT
CS	CUP SINK
CW	COLD WATER
CWS	COLD WATER SERVICE
DN	DOWN
EXIST	EXISTING
FAV	FRESH AIR VENT
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
HD	HUB DRAIN
HPNG	HIGH PRESSURE NATURE GAS
HW	HOT WATER
HWR	HOT WATER RETURN
G	NATURAL GAS
INV EL	INVERT ELEVATION
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
N/A	NOT APPLICABLE
PD	PLUMBING DRAINAGE INSTITUTE
PH	PHASE
S	SOIL
SAN	SANITARY
SK	SINK
TP	TRAP PRIMER
TP	TYPICAL
UDS	UTILITY DISTRIBUTION SYSTEM
U.N.O.	UNLESS NOTED OTHERWISE
V	VENT
VTR	VENT THROUGH ROOF
W	WASTE
WCO	WALL CLEANOUT
XT	EXPANSION TANK

LCSB PLUMBING SPECIFICATIONS

- URINALS TO BE PIPED ON INDIVIDUAL STACKS WITH CLEAN OUTS INSTALLED ABOVE WASTE ARM.
- ALL WASTE AND VENT PIPING SHALL BE SCHEDULE 40 PVC
- WASTE PIPING, DOUBLE COMBINATIONS, DOUBLE WYES OR SANITARY CROSSES ARE NOT TO BE USED IN SANITARY PIPING.
- ACID WASTE PIPING; CPVC PIPE AND FITTINGS "SOLVENT WELD".
- UNDERGROUND WATER SERVICES; SERVICES UNDER ANY SLABS SHALL BE TYPE K HARD COPPER. TRANSITIONS TO PVC PIPING MUST OCCUR OUTSIDE ANY CONCRETE WORK. NO PVC WATER PIPING UNDER CONCRETE SLABS. COPPER FITTINGS UNDER SLAB SHALL BE SILVER SOLDERED WITH 15 PER CENT SILVER SOLDER. PIPING AND FITTINGS SHALL BE WRAPPED WITH WRAP TAPE IN ITS ENTIRETY. TRANSITION FROM COPPER TO PVC TO BE MADE WITH COPPER TAP ADAPTER AND SCH 80 PVC MALE ADAPTER. ALL SOLVENT WELD FITTINGS SHALL BE SCH 80 PVC.
- INTERIOR WATER PIPING SHALL BE TYPE L COPPER, ALL FITTINGS SHALL BE PRO PRESS AND NO SOLDERED FITTINGS ARE NOT PERMITTED.
- UNDERGROUND WATER MAINS AND SERVICES 4" AND LARGER SHALL BE INSTALLED USING C-900 PIPE WITH MECHANICAL FITTINGS. 3" AND SMALLER SHALL BE CLASS 200 RING TITE PIPE. ALL JOINTS SHALL BE SECURED WITH BELL RESTRAINTS.
- SERVICE VALVE FOR BUILDINGS SHALL BE INSTALLED WITHIN 4 FEET OF WATER MAIN.
- ON NEW INSTALLATION OF WATER MAINS AN ISOLATION VALVE SHALL BE INSTALLED MID POINT OF MAIN PIPING.
- NO WALL HYDRANTS TO BE USED.
- FULL PORT BALL VALVES TO BE USED ON INTERIOR PIPING.
- WATER MAINS AND WATER SERVICES USE MECHANICAL GATE VALVES MUELLER OR EQUAL.
- TRAP PRIMERS FOR MULTI DRAINS AND DRAINS SERVING MECHANICAL EQUIPMENT ON MEZZANINES TO BE OF ELECTRONIC SOLENOID DEVICES. SINGLE TRAP PRIMERS TO BE UNDER LAVATORIES; PPP PR-500
- STINK STOPPERS MAY BE USED IF COST SAVINGS ARE NEEDED.
- BACKFLOW DEVICES 2" AND SMALLER AT WATER METER AND MECHANICAL EQUIPMENT SHALL BE WILKINS, CONBRACO OR FEBCO. NO WATTS DEVICES TO BE USED. BACKFLOW DEVICES SHALL BE INSTALLED AT ELEVATION THAT IS SERVICEABLE FROM FLOOR AND MAINTAIN 12" CLEARANCE FROM WALL.
- MULTI STATION LAVATORY UNITS TO BE INSTALLED IN GANG RESTROOMS IF BUDGET ALLOWS.
- CONTRACTOR TO CAMERA SEWER LINES AND PROVIDE SMOKE TEST OF ENTIRE DRAINAGE WASTE AND VENT PIPING. LCS PLUMBING DEPARTMENT TO WITNESS CAMERA AND SMOKE TEST.
- WATER HEATER SERVING CUSTODIAL SINKS SHALL NOT BE LARGER THAN 20 GALLONS.
- CARRIERS

