

C:\Users\GMS\OneDrive\Desktop\PLANS\BOD Form Plant Eng 08-15-2009\PL LEGEND.dwg, P0001, 8/15/2012 6:01:12 PM, ac, DWG To PDF.pc3, 1:1

PLUMBING LEGEND		
SYMBOL	ABBR.	DESCRIPTION
	SAN	SOIL, WASTE, OR SANITARY ABOVE GRADE OR FLOOR
	SAN	SOIL, WASTE, OR SANITARY BELOW GRADE OR FLOOR
	SD	STORM DRAIN
	GW	GREASE WASTE
	V	VENT
	CW	COLD WATER
	HW	HOT WATER (110°F)
	HWC	HOT WATER CIRCULATING
	TW	TEMPERED WATER (110°F)
	G	NATURAL GAS
		EXISTING PIPING
		HATCH DENOTES TO BE REMOVED
		ELBOW DOWN
		ELBOW UP
		TEE DOWN
		TEE UP
		VALVE IN RISER
		UNION
		STRAINER WITH BLOWOFF VALVE
		REDUCER
		BALL VALVE
		BUTTERFLY VALVE
		GATE VALVE
		GLOBE VALVE
		ANGLE VALVE
		PLUG VALVE
		CHECK VALVE
	CBV	CALIBRATED BALANCING VALVE
	PRV	PRESSURE REGULATING VALVE
	PSV	PRESSURE RELIEF VALVE
	DCBFP	BACKFLOW PREVENTER, DOUBLE CHECK
	RPBFP	BACKFLOW PREVENTER, REDUCED PRESSURE
	WHA	WATER HAMMER ARRESTER
	FD	FLOOR DRAIN
	FS	FLOOR SINK
	FCO	FLOOR CLEANOUT
	WCO	WALL CLEANOUT
	HB	HOSE BIBB
		CONNECT NEW TO EXISTING
		FIXTURE OR EQUIPMENT CALLOUT (SEE SCHEDULE)
		EXISTING EQUIPMENT CALLOUT (SEE SCHEDULE)

PLUMBING GENERAL NOTES

- A ALL PLUMBING SHALL BE INSTALLED IN ACCORDANCE WITH THE 2009 INTERNATIONAL PLUMBING CODE.
- B NOT ALL EXISTING PIPING, AND ACCESSORIES ARE NECESSARILY SHOWN ON THIS DRAWING, BUT WHAT IS DEEMED NECESSARY TO SHOW INTENT OF WORK INVOLVED IN THIS PROJECT. REFER TO ALL PLANS, SECTIONS, DETAILS, SCHEDULES AND SPECIFICATIONS FOR COMPLETE SYSTEM REQUIREMENTS.
- C CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO ORDERING OR FABRICATION OF MATERIAL OR PERFORMING ANY NEW WORK. DEVIATIONS FROM CONDITIONS SHOWN IN THESE PLANS SHALL BE REPORTED TO THE PROJECT MANAGER IMMEDIATELY AND NO WORK SHALL BE PERFORMED IN THIS AREA UNTIL A RESOLUTION HAS BEEN ESTABLISHED. SITE CONDITIONS DIFFERING FROM THOSE SHOWN ON THESE PLANS WILL NOT BE GENERALLY CONSIDERED A BASIS FOR CONTRACT MODIFICATION AS THE CONTRACTOR SHALL TAKE INTO ACCOUNT WORST CASE SITE CONDITIONS WHEREVER POSSIBLE.
- D COORDINATE ALL PENETRATIONS OF FLOOR, ROOF, WALLS, ETC. WITH GENERAL CONTRACTOR. ALL PENETRATIONS THROUGH FIRE/SMOKE RATED CONSTRUCTION SHALL BE SEALED IN ACCORDANCE WITH 2009 INTERNATIONAL BUILDING CODE.
- E MAXIMUM HOT WATER OUTLET TEMPERATURE TO PUBLIC LAVATORIES SHALL BE 110°F IN ACCORDANCE WITH THE 2009 INTERNATIONAL ENERGY CODE.
- F MOUNT HANDICAPPED FIXTURES AT HEIGHTS ABOVE THE FINISHED FLOOR AS DIRECTED BY AMERICANS WITH DISABILITIES ACT AND STATE BUILDING CODES, INCLUDE OFFSET TAILPIECE AND TRUBRO LAV-GUARD INSULATION KIT.
- G INSULATE ALL HOT AND COLD WATER TO FIXTURES IN ACCORDANCE WITH 2009 INTERNATIONAL ENERGY CODE.
- H FURNISH AND INSTALL INDIVIDUAL STOPS (SHUT-OFF VALVES) FOR EACH PLUMBING FIXTURE.
- I PROVIDE ACCESS DOORS OR OTHER MEANS OF APPROVED ACCESS TO ALL ISOLATION VALVES, TRAP PRIMERS, AND WATER HAMMER ARRESTORS.
- J HOT AND COLD WATER PIPING ABOVE GRADE SHALL BE TYPE L HARD DRAWN COPPER TUBING CONFORMING TO ASTM B-88 WITH SWEAT JOINTS AND CAST OR WROUGHT FITTINGS. JOINTS SHALL BE MADE WITH LEAD FREE SOLDER. COLD WATER BELOW GRADE SHALL BE TYPE K COPPER TUBING. JOINTS SHALL NOT BE PERMITTED UNDER FLOOR SLAB. WATER PIPING PENETRATIONS SHALL BE PROTECTED WITH PLASTIC SLEEVES.
- K SANITARY PIPING NOT LOCATED IN PLENUMS OR PENETRATING FIRE RATED STRUCTURES SHALL BE SCHEDULE 40 DWV PVC WITH SOLVENT JOINTS. DWV PIPING IN PLENUMS SHALL BE NO-HUB CAST IRON.
- L FIELD VERIFY ACTUAL LOCATIONS OF EXISTING PIPING FOR NEW TIE-INS.
- M FURNISH AND INSTALL ALL REQUIRED COMPONENTS INCLUDING TRAPS, TAIL-PIECES, CARRIERS AND SUPPORTS. PROVIDE ALL FLOOR DRAINS/SINKS WITH TRAP PRIMER CONNECTED TO COLD WATER SUPPLY.
- N PLUMBING CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND PAY ALL FEES RELATED TO PROJECT.
- O COORDINATE FINAL LOCATION OF PIPING WITH ALL OTHER TRADES BEFORE FABRICATION OR INSTALLATION.
- P INSULATE DOMESTIC WATER LINES IN ACCORDANCE WITH 2009 IECC. INSULATION SHALL BE CONTINUOUS, UNBROKEN.
- Q ALL SANITARY LINES SHALL BE VENTED IN ACCORDANCE WITH 2009 INTERNATIONAL PLUMBING CODE.
- R IN ACCORDANCE WITH 2009 INTERNATIONAL BUILDING CODE SECTION 603.1 BUILDING SUPPLY PIPING LESS THAN 3/4" NOT ALLOWED. MINIMUM SIZES OF WATER SUPPLY PIPES TO FIXTURES SHALL BE PER TABLE 604.5.
- S ALL HOSE BIBBS, WALL HYDRANTS AND JANITORIAL SERVICE SINKS SHALL BE EQUIPPED WITH APPROVED, PROPERLY INSTALLED ATMOSPHERIC TYPE VACUUM BREAKER.
- T UNLESS NOTED OTHERWISE, ALL DEMOLISHED PLUMBING ITEMS SHALL BE REMOVED FROM THE SITE AND PROPERLY DISPOSED OF. OWNER DOES NOT DESIRE SALVAGED ITEMS.
- U ALL VENTS THRU ROOF SHALL BE MINIMUM OF THREE FEET VERTICALLY AND TEN FEET HORIZONTALLY FROM AIR CONDITIONING EQUIPMENT FRESH AIR INTAKES, WINDOW, DOOR OR OTHER OPENINGS.
- V TRENCHES INSTALLED PARALLEL TO FOOTINGS SHALL NOT EXTEND BELOW THE 45° BEARING PLANE OF THE FOOTING WALL.
- W SEE ARCHITECTURAL DRAWINGS FOR EXACT PLUMBING FIXTURE LOCATIONS AND QUANTITIES.
- X CLEANOUTS SHALL BE INSTALLED PER 2009 IPC.
- Y CONTRACTOR SHALL KEEP HIS WORK, AND ADJACENT AREAS AFFECTED, FREE AND CLEAR FROM ALL DEBRIS CAUSED BY THE WORK OF THIS SECTION. DURING AND UPON COMPLETION OF WORK HEREIN SPECIFIED, REMOVE FROM BUILDING AND SITE ALL DEBRIS, UNUSED MATERIALS, AND EQUIPMENT CAUSED BY WORK OF THIS SECTION AND LEAVE WORK IN A CLEAN, ACCEPTABLE CONDITION.
- Z PROVIDE AND INSTALL WATER HAMMER ARRESTORS OF REQUIRED SIZE AND LOCATION, MANUFACTURER AND MODEL NUMBERS SHALL BE PER PLANS.
- AA ALL FLAT VENTS SHALL HAVE CLEANOUT PER 2009 IPC.
- AB ALL FLOOR SINKS, FLOOR DRAINS & FUNNEL DRAINS RECEIVING THE DISCHARGE OF INDIRECT WASTE PIPES SHALL BE LOCATED WHERE THEY ARE READILY ACCESSIBLE.
- AC COORDINATE WITH ELECTRICAL SECTION PRIOR TO ORDERING EQUIPMENT FOR AVAILABLE VOLTAGES AT EQUIPMENT LOCATIONS.

REVISIONS		
NO.	DATE	DESCRIPTION
1	06/29/2012	ISSUED FOR BUILDING PERMIT SUBMITTAL TO PPRBD (OPERATIONS BUILDING)
2	08/15/2012	ISSUED FOR CONSTRUCTION PER PPRBD BUILDING PERMIT #135220 (OPERATIONS BLDG)

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PLUMBING LEGEND AND NOTES

HAROLD D. THOMPSON REGIONAL WATER RECLAMATION FACILITY
LOWER FOUNTAIN METROPOLITAN SEWAGE DISPOSAL DISTRICT

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DESIGNED DRF
CHECKED RJS
DATE MAY 2012
PROJECT NO. 20166.410
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GMS, INC.
CONSULTING ENGINEERS
611 N. WEBER, SUITE 300
COLORADO SPRINGS, COLORADO 80903

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