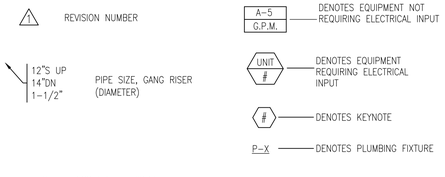
BAY

9/1/2015

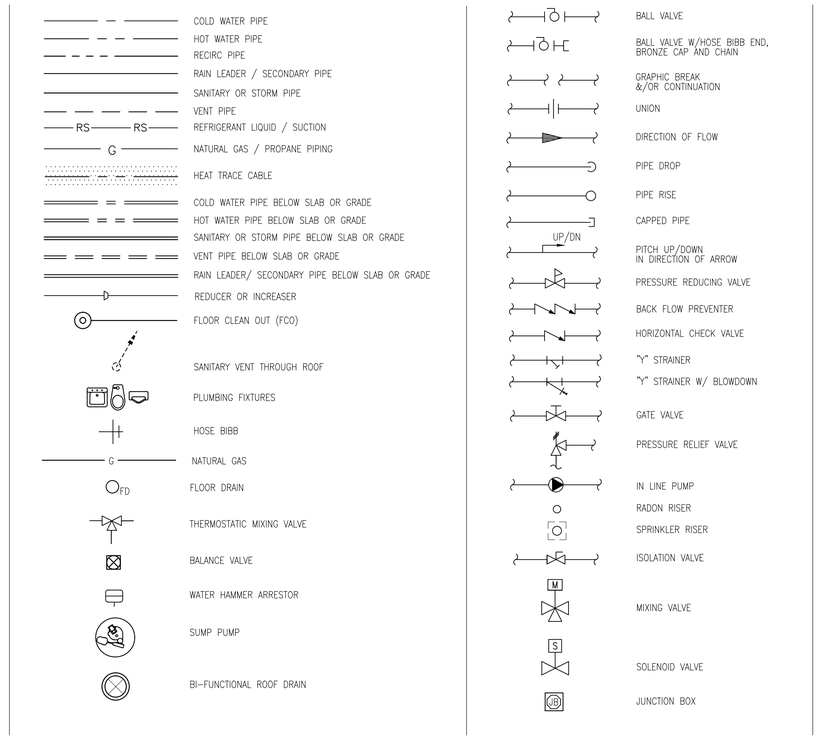
PLUMBING ABBREVIATIONS

AAV	AUTOMATIC AIR VENT
AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISH GRADE
AHU	AIR HANDLING UNIT
AP	ACCESS PANEL
ASME	AMERICAN SOCIETY MECHANICAL ENGINEERS
ASPE	AMERICAN SOCIETY PLUMBING ENGINEERS
BFP	BACKFLOW PREVENTER
BHP	BRAKE HORSEPOWER
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT PER HOUR
CD	CONDENSATE DRAIN
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CGA	COMPRESSED GAS ASSOCIATION
CO	CLEAN OUT
CONN	CONNECTION
CW	COLD WATER
D	DRAIN
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
DIA	DIAMETER
DN	DOWN
DWG	DRAWING
EHT	ELECTRIC HEAT TAPE
EL	ELEVATION
ET	EXPANSION TANK
ETV	ELECTRONIC TEMPERING VALVE CONTROLLER
F	FAHRENHEIT
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FLR	FLOOR
FP	FIRE PROTECTION
FT	FOOT
FU	FIXTURE UNITS
GAL	GALLON
GF	GAS FURNACE
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HWAT	HOT WATER TEMPERATURE MAINTENANCE
H&CW	HOT AND COLD WATER
HB	HOSE BIBB
HW	HOT WATER
HWR	HOT WATER RECIRCULATION
HWRC	HOT WATER RECIRCULATION CONTROLLER
INV	INVERT
IPC	INTERNATIONAL PLUMBING CODE
KW	KILOWATT
KWH	KILOWATT-HOUR
LAV	LAVATORY
LBS/HR	POUNDS PER HOUR
MBH	1000 BTUH
NG	NATURAL GAS
NTS	NOT TO SCALE
OFD	OVERFLOW DRAIN
OU	OUTDOOR UNIT
PD	PRESSURE DROP OR DIFFERENCE
PDI	PLUMBING AND DRAINAGE INSTITUTE
PG	PRESSURE GAGE
PSI	POUNDS PER SQUARE INCH
PSIA	POUNDS PER SQUARE INCH ATMOSPHERE
PSIG	POUNDS PER SQUARE INCH GAUGE
PRV	PRESSURE RELIEF VALVE
RED	REDUCER
RL	RAIN LEADER
RP	RECIRCULATION PUMP
RTF	RUN TO FIXTURE
S	SANITARY SEWER
SA	SHOCK ABSORBER
SAN	SANITARY SEWER
SCFM	STANDARD CUBIC FOOT/MINUTE
SEC	SECONDARY DRAIN
SPEC	SPECIFICATION
SQFT	SQUARE FEET
TEMP	TEMPERATURE
TMV	THERMOSTATIC MIXING VALVE
TYP	TYPICAL
UPC	UNIFORM PLUMBING CODE
V	VENT
VB	VACUUM BREAKER
VTR	VENT THROUGH ROOF
W/	WITH
WC	WATER CLOSET
WCO	WALL CLEANOUT
WG	WATER GAGE
WH	WATER HEATER
WHA	WATER HAMMER ARRESTER
WPD	WATER PRESSURE DROP

PLUMBING GENERAL SYMBOLS



PLUMBING SYMBOLS



GENERAL NOTES

1. PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE PLUMBING SYSTEMS AS INDICATED ON THE DRAWINGS, AND AS SPECIFIED AND REQUIRED BY THE FOLLOW CODES:
   - 2009 INTERNATIONAL BUILDING CODE
   - 2009 INTERNATIONAL ENERGY CONSERVATION CODE
   - 2007 UNIFORM PLUMBING CODE
   - 2009 NATIONAL FUEL GAS CODE (NFPA 54)
   - 2014 NATIONAL ELECTRIC CODE (NFPA 70)
   - 2009 LIFE SAFETY CODE (NFPA 101)
2. RUN ALL SOIL WASTE AND VENT PIPING WITH THE MINIMUM SLOPE AS REQUIRED BY THE CODES LISTED ABOVE. HORIZONTAL VENT PIPING SHALL BE GRADED TO DRIP BACK TO THE SOIL OR WASTE PIPE GRAVITY.
3. INSTALL PIPING SO ALL VALVES, STRAINERS, UNIONS, TRAPS, FLANGES, AND OTHER APPURTENANCES REQUIRING ACCESS ARE ACCESSIBLE.
4. INSTALL ALL PIPING WITHOUT FORCING OR SPRINGING.
5. ALL PIPING SHALL CLEAR DOORS AND WINDOWS.
6. INSULATE ALL HOT WATER AND COLD WATER PIPING, SEE SPECIFICATION FOR INSULATION SCHEDULE.
7. UNIONS AND/OR FLANGES SHALL BE INSTALLED AT EACH PIECE OF EQUIPMENT, IN BYPASSES, AND IN LONG PIPING RUNS (50 FEET OR MORE) TO PERMIT DISASSEMBLY FOR ALTERATION AND REPAIRS.
8. ALL VALVES SHALL BE ADJUSTED FOR SMOOTH AND EASY OPERATION.
9. ALL VALVES SHALL BE INSTALLED SO THE VALVE REMAINS IN SERVICE WHEN THE EQUIPMENT OR PIPING ON THE EQUIPMENT SIDE OF THE VALVE IS REMOVED.
10. ALL PIPING WORK SHALL BE COORDINATED WITH ALL TRADES INVOLVED.
11. PROVIDE ANTI-SCALD PROTECTION IN ACCORDANCE WITH THE CODES AND AMENDMENTS LISTED ABOVE.
12. RUN ALL WATER SUPPLY PIPE OVERHEAD AND DROP DOWN TO FIXTURES, UNLESS OTHERWISE NOTED.
13. SEE PL600 FOR PLUMBING SCHEDULES.
14. IT IS THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR TO ENSURE THAT ANY PENETRATIONS THROUGH THE AIR BARRIER ARE SEALED SO AS TO MAINTAIN AN AIR TIGHTNESS OF NO GREATER THAN 2.0 ACH50 BETWEEN UNITS AND NO GREATER THAN 0.37 ACH50 AT PENETRATION THROUGH EXTERIOR WALLS AND/OR THE ROOF.

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PRICING DOCUMENTS

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Drawing: PLUMBING - LEGEND, ABBREVIATIONS, & GENERAL NOTES
Scale: AS NOTED
Drawn by: AEW
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PL001