

**PLUMBING GENERAL NOTES:**

- ALL PLUMBING WORK AND MATERIALS SHALL CONFORM TO FBCP (5TH EDITION), FBCEC (5TH EDITION), FBCFG (5TH EDITION), AND LATEST EDITIONS OF THE NATIONAL, STATE, AND ALL LOCAL CODES AND ORDINANCES HAVING JURISDICTION.
- PLUMBING FIXTURES SHALL COMPLY WITH FBCP (5TH EDITION) TABLE 604.4
- ALL WORK SHALL BE PERFORMED BY A LICENSED PLUMBING CONTRACTOR AND IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIVE AND ACCEPTED BY THE ENGINEER/ARCHITECT AS SUCH.
- THE PLUMBING CONTRACTOR SHALL VISIT THE JOB SITE AND THOROUGHLY FAMILIARIZE THEMSELVES WITH ALL EXISTING CONDITIONS. ALL EXCAVATION AND BACKFILL AS REQUIRED FOR THIS PHASE OF CONSTRUCTION SHALL BE PART OF THIS CONTRACT.
- DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATION OF ALL PLUMBING FIXTURES, EQUIPMENT, ETC. THE PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL ALL ITEMS REQUIRED FOR A COMPLETE AND ACCEPTABLE WORKING INSTALLATION.
- ALL MATERIALS SHALL BE NEW AND FREE OF NOTICEABLE DEFECTS.
- ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION.
- CONTRACTOR SHALL MAKE ALL NECESSARY CUTTING AND DO ALL THE REPATCHING AS NECESSARY FOR THE PROPER EXECUTION OF THIS WORK.
- VERIFY LOCATION, SIZE AND INVERTS OF ALL EXISTING UTILITIES PRIOR TO THE START OF CONSTRUCTION. IMMEDIATELY ADVISE THE ENGINEER/ARCHITECT OF ANY DISCREPANCIES.
- PROVIDE A MINIMUM PITCH OF 1/8" FOR 3" OR LARGER PIPES, 1/4" PITCH FOR LESS THAN 3" PIPES.
- PROVIDE A CLEANOUT AT THE BASE OF EACH SOIL AND WASTE STACK.
- WHERE CORE DRILLING OF FLOOR/WALLS IS REQUIRED, CONTRACTOR SHALL SEAL OPENINGS WATER TIGHT AFTER UTILITIES HAVE BEEN INSTALLED. LOCATION OF CORED HOLES SHALL COORDINATE WITH LOCATION OF EQUIPMENT IN A MANNER TO BE CLEAN AND FUNCTIONAL. THE CONTRACTOR SHALL INSTALL ONLY ONE CONDUIT PER HOLE AND SEAL THE OPENING AROUND THE CONDUIT AS SPECIFIED.
- PROVIDE FIRE RETARDANT U.L. APPROVED SEALANT ON ALL PENETRATIONS OF FIRE RATED PARTITIONS, WALLS AND STRUCTURAL SLABS IN ACCORDANCE TO SECTION 714 OF FBCB (5th EDITION). CONTRACTOR TO VERIFY, PRIOR TO SUBMITTING BID, LOCATIONS OF ALL SUCH FIRE RATED PARTITIONS, WALLS AND STRUCTURAL SLABS.
- PROVIDE MEANS OF RESEALING ALL FLOOR DRAINS.
- AN OPEN VENT TERMINAL FROM A DRAINAGE SYSTEM SHALL NOT BE LOCATED DIRECTLY BENEATH ANY DOOR, OPENABLE WINDOW, OR OTHER AIR INTAKE OPENING OF THE BUILDING OR OF AN ADJACENT BUILDING, AND ANY SUCH VENT TERMINAL SHALL NOT BE WITHIN 10 FEET HORIZONTALLY OF SUCH AN OPENING UNLESS IT IS AT LEAST 3 FEET ABOVE THE TOP OF SUCH OPENING. FBCP (5TH EDITION) 903.5
- PROVIDE 1/2" COLD WATER TRAP PRIMER FOR ALL DRAINS FROM THE NEAREST PLUMBING FIXTURE, WHERE APPLICABLE.
- SHUTOFF VALVE SHALL BE INSTALLED ON THE WATER SUPPLY PIPE TO EACH APPLIANCE OR MECHANICAL EQUIPMENT AS PER FBCP (5TH EDITION) 606
- A WATER HAMMER ARRESTOR SHALL BE INSTALLED WHERE QUICK-CLOSING VALVES ARE UTILIZED, UNLESS OTHERWISE APPROVED. THE ARRESTOR SHALL BE LOCATED WITHIN AN EFFECTIVE RANGE OF THE QUICK-CLOSING VALVE. ACCESS SHALL BE PROVIDED TO WATER HAMMER ARRESTORS.
- NO HOT WATER WITH A TEMPERATURE HIGHER THAN 140° TO DISCHARGE INTO SANITARY.
- THE DEVELOPED LENGTH OF HOT WATER PIPING FROM THE SOURCE OF HOT WATER SUPPLY TO THE FARTHEST FIXTURE SHALL BE LESS THAN 50 FT.
- THE HOT WATER SUPPLY TO ANY FIXTURE REQUIRING HOT WATER SHALL BE INSTALLED ON THE LEFT SIDE OF THE FIXTURE. FBCP (5TH EDITION) 607.4
- ALL INDIRECT WASTE PIPING SHALL DISCHARGE THROUGH AN AIR GAP OR AIR BREAK INTO A WASTE RECEPTOR OR STANDPIPE. WASTE RECEPTORS AND STANDPIPES SHALL BE TRAPPED AND VENTED AND SHALL CONNECT TO THE BUILDING DRAINAGE SYSTEM. ALL INDIRECT WASTE PIPING THAT EXCEEDS 30 INCHES IN DEVELOPED LENGTH MEASURED HORIZONTALLY, OR 54 INCHES IN TOTAL DEVELOPED LENGTH, SHALL BE TRAPPED. FBCP (5TH EDITION) 802.2
- ALL DEVICES INTENDED TO SERVE SOME SPECIAL FUNCTION AND THAT CONNECT TO THE WATER SUPPLY SYSTEM SHALL BE PROVIDED WITH PROTECTION AGAINST BACKFLOW AND CONTAMINATION OF THE WATER SUPPLY SYSTEM. FBCP (5TH EDITION) 608.3
- NEW OR REPAIRED POTABLE WATER SYSTEMS SHALL BE PURGED OF DELETERIOUS MATTER AND, DISINFECTED PRIOR TO UTILIZATION. FBCP (5TH EDITION) 610.1
- WATER SUPPLY AND DRAIN PIPES UNDER LAVATORIES AND SINKS SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES AND SINKS. FBCA (5TH EDITION) 606.5
- HOT WATER PIPES OF SIZE <math>1-1/2''</math> TO HAVE MINIMUM 1" INSULATION AND HOT WATER PIPES OF SIZE >math>1-1/2''</math> TO HAVE 1.5" INSULATION AS PER FLORIDA CONSERVATION CODE 2014 TABLE C401.2.2
- UNDERGROUND WATER SERVICE PIPING AND UNDERGROUND WATER DISTRIBUTION PIPING SHALL BE CHLORINATED POLYVINYL CHLORIDE (CPVC) AS PER FBCP (5TH EDITION) TABLE 605.3
- ABOVE GROUND CONNECTION TO BACKFLOW PREVENTOR & EXTERIOR EXPOSED WATER PIPES SHALL BE COPPER AS PER FBCP (5TH EDITION) TABLE 605.4
- INTERIOR WATER DISTRIBUTION PIPING SHALL BE COPPER OR CHLORINATED POLYVINYL CHLORIDE (CPVC) AS PER FBCP (5TH EDITION) TABLE 605.4
- SANITARY & VENT PIPES SHALL BE POLYVINYL CHLORIDE (PVC) AS PER FBCP (5TH EDITION) TABLE 702.1, TABLE 702.2, TABLE 702.3, TABLE 702.4. PLUMBING PIPING (SANITARY AND VENT LINES) THAT RUNS IN COMMON AREA SHAFT OR WALLS AND IN RETURN AIR PLENUMS SHALL BE CAST IRON.

