

## PLUMBING GENERAL NOTES

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47. PROVIDE DRAIN VALVES WITH CAPPED HOSE END CONNECTIONS AT ALL LOW POINT AND AS REQUIRED TO COMPLETELY DRAIN THE PIPING SYSTEM.
48. INSTALL VALVES SO THAT ALL VALVES, STRAINERS, CLEANOUTS, UNIONS, AND OTHER APPURTENANCES REQUIRING MAINTENANCE ARE ACCESSIBLE.
49. PROVIDE ISOLATION VALVES AND UNIONS OR FLANGES AT PIPING CONNECTIONS TO EQUIPMENT, PUMPS, AND OTHER COMPONENTS REQUIRING MAINTENANCE TO ALLOW FOR REMOVAL.
50. PROVIDE BALANCE VALVES AND BUTTERFLY VALVES WITH POSITION INDICATORS AND MAXIMUM ADJUSTABLE STOPS (MEMORY STOPS) INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDED LENGTH OF EXPOSED PIPING IN FINISHED ROOMS.
51. PROVIDE CHAINWHEEL OPERATORS FOR ALL VALVES IN EQUIPMENT ROOMS GREATER THAN 7 FEET ABOVE THE FLOOR, EXTEND CHAIN TO 7 FEET ABOVE THE FLOOR.
52. ALL VALVES AND STRAINERS SHALL MATCH THE CONNECTING PIPE SIZE BEFORE REDUCING IN SIZE TO MAKE CONNECTION TO EQUIPMENT.
53. PROVIDE A LINE SIZE STRAINER UPSTREAM OF ALL BACKFLOW PREVENTION VALVES AND PUMPS, PROVIDE AN ISOLATION VALVE ON EACH SIDE OF STRAINER.
54. PROVIDE EXPOSED PIPING IN FINISHED ROOMS EXPOSED PIPING, CEILING, AND FLOOR PIPE PENETRATIONS AND PAINT EXPOSED PIPING IN FINISHED ROOMS.
55. PROVIDE ALUMINUM VALVE TAGS AND LAMINATED VALVE SCHEDULE IN MECHANICAL ROOM, ALSO INCLUDE VALVE SCHEDULE IN AS-BUILT DRAWINGS.
56. PROVIDE DIELECTRIC FLANGES OR NIPPLES AT CONNECTIONS OF DISSIMILAR PIPE.
57. SUPPORT PIPING SYSTEMS AND PROTECT AGAINST PHYSICAL DAMAGE AND EXCESSIVE STRESSES IN ACCORDANCE WITH MSS SP-58, PIPE HANGERS AND SUPPORTS - MATERIALS, DESIGN, MANUFACTURE, INSTALLATION AND ERECTION.
58. PRESSURE TEST, CLEAN, FLUSH, AND DISINFECT ALL PIPING BEFORE PUTTING INTO SERVICE.
59. PIPE RISERS SHALL BE ARCHITECTURALLY ENCLOSED UNLESS OTHERWISE NOTED.
60. PROVIDE SHUT-OFF VALVES IN WATER SUPPLY ROOFS, AND GYMNASIUMS, UNLESS OTHERWISE NOTED.
61. PROVIDE SHUT-OFF VALVES IN WATER SUPPLY PIPE FOR EACH INDIVIDUAL FIXTURE/EQUIPMENT. PROVIDE SHUT-OFF VALVES IN BRANCH SUPPLY PIPE LOCATED NEAR THE MAIN WHERE BRANCH SERVES TWO OR MORE

UNLESS NOTED OTHERWISE, WATER AND VENT PIPING SHOWN ON PLANS ABOVE  
THE CEILING AND SANITARY DRAIN PIPING IS BELOW THE FLOOR

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**Table 1**

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Figure 1

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FFILE No.: \_\_\_\_\_SCALE:DRAWING No.:

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WARNING: it is a violation of the NYS Education Law Article 145 for any person to alter this document in anyway, unless they are acting under the direction of a Professional Engineer

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