

Plumbing Checklist for Residential Bathroom

2020 Minnesota Plumbing Code, Energy Code (EC)

1. New and parts of existing plumbing shall be inspected and tested before using, [MN Rule 1300.0215](#).
2. When it is impractical to air test new parts added to existing piping a deviation to the air test requirement may be granted by local authority having jurisdiction, [4714.301.3.1](#).
3. Plumbing fixtures shall be sealed where they come in contact with the floor, [402.2](#).
4. Minimum water closet clearances: 15 inches center to sides, 24 inches in front, [402.5](#).
5. Minimum size branch water lines shall be ½ inch for bath tubs, lavatory and water closet, [Table 610.3](#).
6. Insulate hot water pipe to R-3: ½ inch pipe 20 feet or longer, ¾ inch pipe 10 feet or longer, [EC-403.4.2](#).
7. Air admittance valves for venting are not authorized for use per [MN State Statute 326B.43 Subp 6](#).
8. PVC pipe fittings shall have purple primer applied before applying approved solvent cement, [705.6.2](#)
9. Approved transition fittings shall be used to connect different materials, [705.10.3](#).
10. Horizontal drainage piping shall be installed in practical alignment at uniform slopes, [708.1](#).
11. **Minimum slope** for horizontal drainage piping: = ¼ inch per foot, [708.1](#).
12. All vent and branch vent pipes shall be level or pitched to drain back to a soil or waste pipe, [905.1](#).
13. Horizontal piping shall be supported to maintain alignment and to prevent sagging, [313.3 + 313.4](#).
14. Shower receptors shall be tested for water tightness by filling with water to the threshold level, [408.7.5](#)
15. A shower or combination shower-bath requires an anti-scald type shower control valve, [408.3](#).
16. Each plumbing fixture shall have its own shut off valve, [606.5](#) and be accessible, [606.6](#).
17. Each plumbing fixture shall have its own accessible trap, [1001.2](#).
18. Non-accessible traps shall have all fittings glued, [4714.0100 Basic Plumbing Principles L + S](#).
19. All pipe or tubing with less than 1-inch space from the outside of the stud must be protected with 18-gauge steel plates extending at least 1 ½-inch beyond the outside pipe or tube diameter, [312.9](#).
20. Home owners can get plumbing permits to do plumbing work in a house they own, *if they live in it*, otherwise a licensed plumber must get the plumbing permit, [Chapter 1300.0120](#).

Note: This checklist is a **guide only** and is not expected to include all plumbing requirements for each project.