

## Plumbing checklist for residential bathroom

2015 MN State 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, [4714.0101 Subpart 3](#).
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 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, [705.7.2](#)
9. Approved transition fittings shall be used to connect different materials, [705.11.3](#).
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 pitched to drain back to a soil or waste pipe, [905.1](#).
13. Horizontal piping shall be supported every 4-feet or less for alignment and to prevent sagging, [313](#).
14. Underground piping shall be laid on a firm bed except where otherwise supported, [313.3](#).
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, [4714.0100 \(S\)](#).
18. Underground non-accessible traps shall have all fittings glued, [4714.0100 \(S\) + 315.1](#).
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](#).

**Note:** This checklist is a guide only and does not include all plumbing requirements. The MN State Plumbing Code can be viewed online at: [www.iapmo.org/Pages/MinnesotaPlumbingCode.aspx](http://www.iapmo.org/Pages/MinnesotaPlumbingCode.aspx)