

248 CMR: BOARD OF STATE EXAMINERS
OF PLUMBERS AND GAS FITTERS

2.07: continued

3. Cast Iron Spigot Ends — Schedule 40 Pipe — Copper Tube. Joints where the outside diameter of the two pipes and/or fittings to be joined are the same, may be joined with an approved elastomeric sealing sleeve and stainless steel clamp, clamping screw and housing.

4. Method to connect P.V.C. to A.B.S. may be installed by using a D.W.V. male to female adaptor or by an approved clamp.

5. When installing a fitting to an existing soilstack, vent stack or drain, said fitting shall be of the same material as the existing stack or drain using an approved joining method.

(h) Aluminum DWV Pipe to Hubless Cast Iron Pipe or Fittings. Joints for connecting aluminum DWV pipe or aluminum DWV pipe to hubless cast iron fittings shall be made with an approved elastomeric sealing sleeve and stainless steel clamp, clamping screw and housing and end capped adaptors.

(3) Connections Between Drainage Piping and Certain Fixtures. Every connection between drainage pipes and water closets, floor outlet service sinks, pedestal urinals, and earthenware trap standards or other fixtures with floor outlet, shall be made with brass, wrought copper, hard lead, iron or plastic flanges, that are caulked, soldered, bolted to the flanged connection, with an approved gasket, washer or setting compound between the fixture and the flange. Only brass or stainless steel nuts and bolts shall be used. The floor flange shall be fastened to a structurally firm base. The use of commercial putty or plaster as a setting compound is prohibited.

Schedule 80 PVC or ABS threaded nipples may be used to connect water closets and urinals to carriers of such fixtures.

(4) Tightness. Joints and connections in the plumbing system shall be gastight and watertight for the pressure required by test, with the exceptions of those portions of perforated or open joint piping which are installed for the purpose of collecting and conveying ground or seepage water to the underground storm drains.

(5) Waterproofing of Openings.

(a) Joints at the roof around roof drains and vent pipes, shall be made watertight by the use of lead, copper, aluminum, or other approved flashing or flashing materials.

(b) Caps for extended roof flanges shall be made to fit snug to the inside circumference of the vent pipe. Said cap shall not decrease the pipe opening by more than the thickness of the cap material.

(c) Exterior wall openings shall be made watertight.

(6) Increasesers and Reducers. Where different sizes of pipes, or pipes and fittings, are to be connected, the proper sizes of increasing or reducing fittings shall be used.

2.08: Traps and Cleanouts

(1) Fixture Traps.

(a) Separate Traps for Each Fixture. Each plumbing fixture shall be separately trapped by a water seal trap placed as close as possible to the fixture outlet. The developed distance from the fixture outlet to the trap weir shall not exceed 24 inches. No fixture shall be double trapped. Exceptions to the separate trapping requirements are as follows:

1. Fixtures having integral traps,

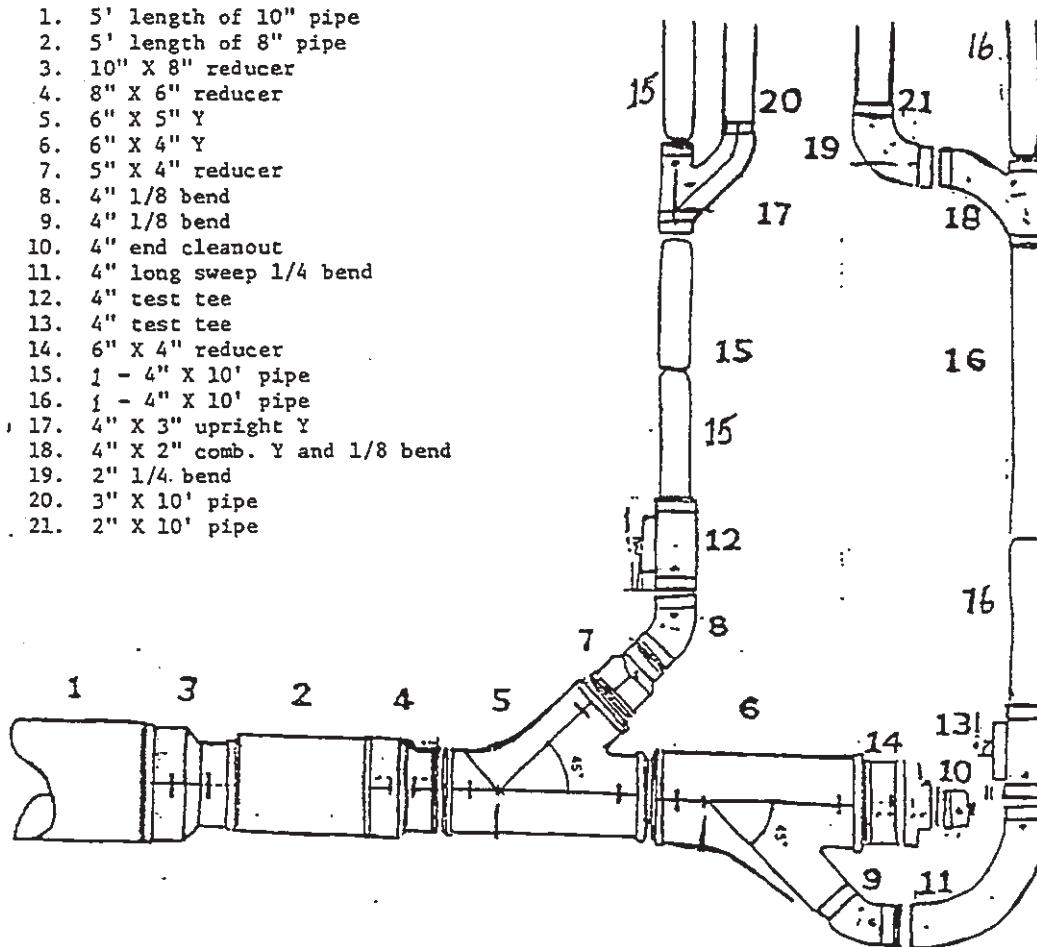
2. A combination plumbing fixture may be installed on one trap provided one compartment is not more than six inches deeper than the other and the waste outlets are not more than 30 inches apart,

3. One trap may be installed for a set of not more than three single compartment sinks, laundry trays, or lavatories, immediately adjacent to each other in the same room, and the trap is centrally located when three such fixtures are installed. Center to center of waste outlets shall not exceed 30 inches.

248 CMR: BOARD OF STATE EXAMINERS
OF PLUMBERS AND GAS FITTERS

2.06: continued

FIGURE I
NO-HUB COUPLING TEST CONFIGURATION (NOT TO SCALE)



1. 5' length of 10" pipe
2. 5' length of 8" pipe
3. 10" X 8" reducer
4. 8" X 6" reducer
5. 6" X 5" Y
6. 6" X 4" Y
7. 5" X 4" reducer
8. 4" 1/8 bend
9. 4" 1/8 bend
10. 4" end cleanout
11. 4" long sweep 1/4 bend
12. 4" test tee
13. 4" test tee
14. 6" X 4" reducer
15. 1 - 4" X 10' pipe
16. 1 - 4" X 10' pipe
17. 4" X 3" upright Y
18. 4" X 2" comb. Y and 1/8 bend
19. 2" 1/4 bend
20. 3" X 10' pipe
21. 2" X 10' pipe

(u) Pressure and Leak Test Procedure for Stainless Steel Couplings Use on Cast Iron Hubless Soil Pipe.

1. Every manufacturer shall perform the tests as outlined in these provisions and acceptable to the Board for the purpose of determining liquid and/or gas leaks for pressures which may exist in a sanitary and/or storm drainage system.

Such test shall be performed by a Board approved testing laboratory at the expense of the manufacturer.

The testing laboratory shall give at least two weeks advance notice to the Board of the date scheduled for the test.

2. The test shall be conducted with hubless pipe and fittings manufactured in compliance with CISPI Standard Specification 301 latest issue. Joints shall be assembled in accordance with the manufacturer's instructions and/or recommendations.

3. The test shall be for an eight hour period of time under a 30 foot hydrostatic head of water and, at a P.S.I. of 13 pounds and shall show no visible signs of leakage.

4. The test assembly shall employ gauges at each end with means of expelling air and the gauges shall be graduated so that, at maximum test, the indicator on the gauges shall be approximately mid-point on said gauges.

5. The test results shall be certified by the testing laboratory used and also by a Massachusetts registered professional engineer or a registered engineer having a reciprocal agreement with the Board of Professional Engineers for the Commonwealth of Massachusetts.