

Primary Topics for Competency 15

- Piping Sizes
- Piping Types
- Piping Connections
- Plumbing Rough-Ins
- Fixture Connections
- Ventilation

Terms & Abbreviations to be defined or identified for Competency 15

- Supply Lines
- Drain Lines
- Water Heater / Water Closet
- Roof Vent
- Drain Field
- Rough-In
- Pea Trap
- PVC
- Waist Pipe
- Drain
- Black Pipe
- CL (*not center line*)
- Tee
- Plumbing Legend
- VTR

### Sample Questions

True and False

Isometric plumbing drawings can also be known as plumbing riser diagrams.

Pipes should usually be run in un-insulated spaces to avoid condensation.

The abbreviation CL on a pipe indicates the cold water line.

A plumbing legend will typically show the line types used to indicate various piping.

The two types of residential Plumbing Lines are:

- a. Plastic and ceramic
- b. Supply and drain
- c. Round and tubular
- d. Hot and cold

Service lines and meter locations are generally found on the:

- a. Framing Plan
- b. Floor plan
- c. Plot plan
- d. Section drawings

The advantage of placing the plumbing fixtures from different rooms back-to-back is:

- a. Framing walls for plumbing is expensive
- b. It produces a quieter system
- c. It allows for the use of cast iron piping
- d. It keeps plumbing away from the exterior walls

A drain field should be separated from a water well by a minimum of:

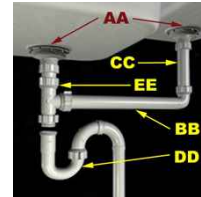
- a. 100' (30.5 m)
- b. 160' (48.8 m)
- c. 240' (73.2 m)
- d. 340' (103.6 m)

The plumbing abbreviation VTR stands for:

- a. Vented Tub Riser
- b. Vertical Transfer Riser
- c. Vented Through Roof
- d. Vertical Thread Run

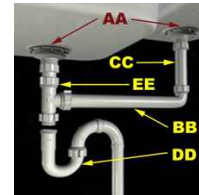
Identify the item "AA" in the adjacent example

- a. Drain
- b. Waste Pipe
- c. Pea Trap
- d. Tee



Identify the item "BB" in the adjacent example

- a. Drain
- b. Waste Pipe
- c. Pea Trap
- d. Tee



Identify the item in the adjacent example

- a. PVC Joint
- b. PVC Coupling
- c. PVC Connector
- d. PVC Reducer

