



Plumbing Rough-In (SFD)

***** This check list is not to be considered an all-inclusive list. 2018 IRC & 2018 IPC. *****

“A plumbing or drainage system, or part thereof, shall not be covered, concealed or put in to use until it has been tested, inspected and approved by the Building Official or his designees.”

P2503.2

Exterior: **No material utilized shall be modified without approval**

DWV: Cleanout: GA.2020 Amended Section 708.1.3 2018 IRC CH3005.2.1

1. Each building shall have a primary clean out within 36' of the foundation wall.
2. DWV main line must have either a cap or plumbing test ball in place.
3. The vent system serving each building drain shall have not less than one (1) vent pipe the extends to the outdoors. *IRC CH3102.1, IPC CH904*
4. Water Service line must be sleeved at the foundation, protecting it from abuse.
5. All water spigots must be attached to the service side of the system in their respective locations, (*Hall County requires anti-siphon spigots.*)
6. Through wall drains (ie: condensate, thermal relief, hub drains) must be in place at the time of rough in inspection.
7. Plumbing roof boots shall be installed prior to inspection for all **VTR** terminations.
8. A Pipe that passes through any masonry wall shall be provided with a relieving arch or pipe sleeve shall be built into the foundation wall. The sleeve shall be no less than 2 pipe sizes greater than the pipe passing through the wall. **P2603.4**



Interior:

****The Service water line regardless of the material used shall not be pressurized with water. ****

A. Water service line shall be tested under specific air pressure for no less than fifteen (15) minutes.

Water Line Material:	Test Air Pressure:
Cross-linked polyethylene (PEX)	100 PSI
Chlorinated polyvinyl chloride (CPVC)	50PSI
Copper or Copper Alloy Pipe	100 PSI
Alternate Approved Material	TBD

B. Test Gauges used for testing shall be as follows (IPC CH312.1.1)

Test Pressure:	Test Gauge Requirements:
10 psi / 69 kPa	0.10 psi / 0.69 kPa
100 psi / 689 kPa	1 psi / 6.9 kPa
Any test exceeding 100 psi	Shall utilize test gauge of 2 psi / 14 kPa

1. DWV system shall be tested on completion of the rough piping installation with water. A water column shall be maintained at a height no less than 5 feet (60 inches) above the highest fitting connection or the highest point in the completed system. Water shall be held for a period of no less than 15 minutes. The system should prove leak free.
2. Water Heater shall have the hot water loop and inlet service in place. Vales open
3. Water heaters with an ignition source, installed in a garage shall be elevated such that the source of ignition is not less than 18 inches (457mm) above the garage floor.
4. All tank style heaters shall be supplied with an expansion tank of sufficient sizing in accordance with the water heater tank size.
5. Thermal Relief Valves shall be installed such that it monitors the top 6 inches of the tank. **TRV** shall be set to open at a temperature of not greater than 210 degrees Fahrenheit.
6. Thermal relief piping shall be in accordance with section P2804.6.1
7. All water mixing valves (Shower and Tub) shall be firmly secured to the framing of the structure at the time of inspection
8. Bathtubs shall be in place, filled with water to the flood stage above the overflow.



9. Plumbing piping that penetrates Floor assemblies shall be blocked in accordance with floor separations (approved fire blocking)
10. Vent pipes shall be accurately sized based on calculations of DFU's IPC906 / IRC P3005
11. Horizontal Drain piping shall maintain an approved slope in accordance with Ch704.1 Table 704.1
12. The vertical distance from the fixture outlet to the trap weir shall not exceed 24 inches (610mm)
13. The Horizontal distance shall not exceed 30 inches (762mm) measured from the centerline of the fixture outlet to the centerline of the inlet trap.
14. Sump Pit shall not be less than 18 inches (457mm) in diameter with a depth of no less than 24 inches (610mm) ***unless otherwise approved.***
15. Discharge piping shall be accessible and be equipped with a flow check valve. Pipe and fittings shall be the same size as or larger than the pump discharge tapping

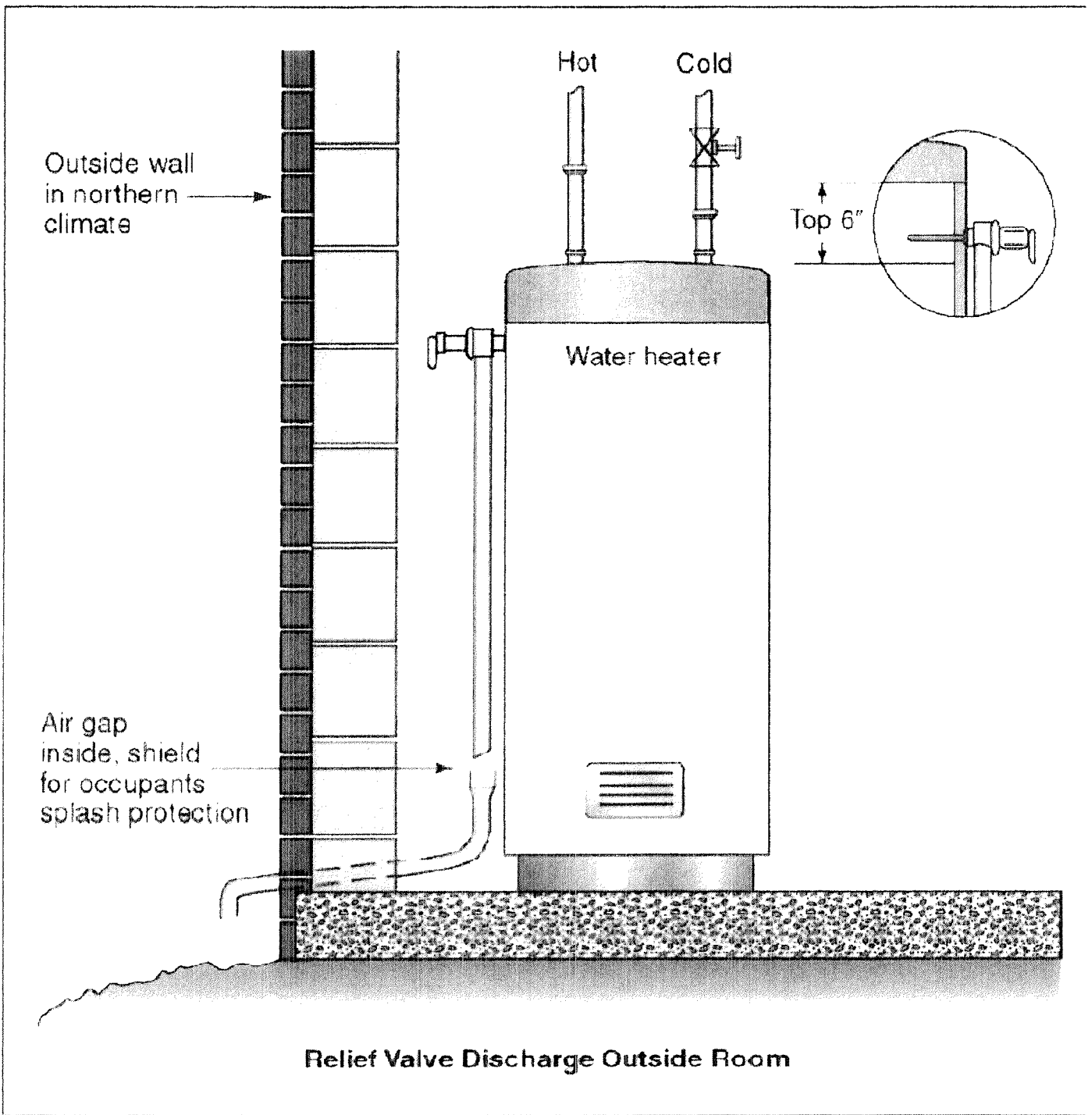
TABLE 704.1
Slope of Horizontal Drainage Pipe

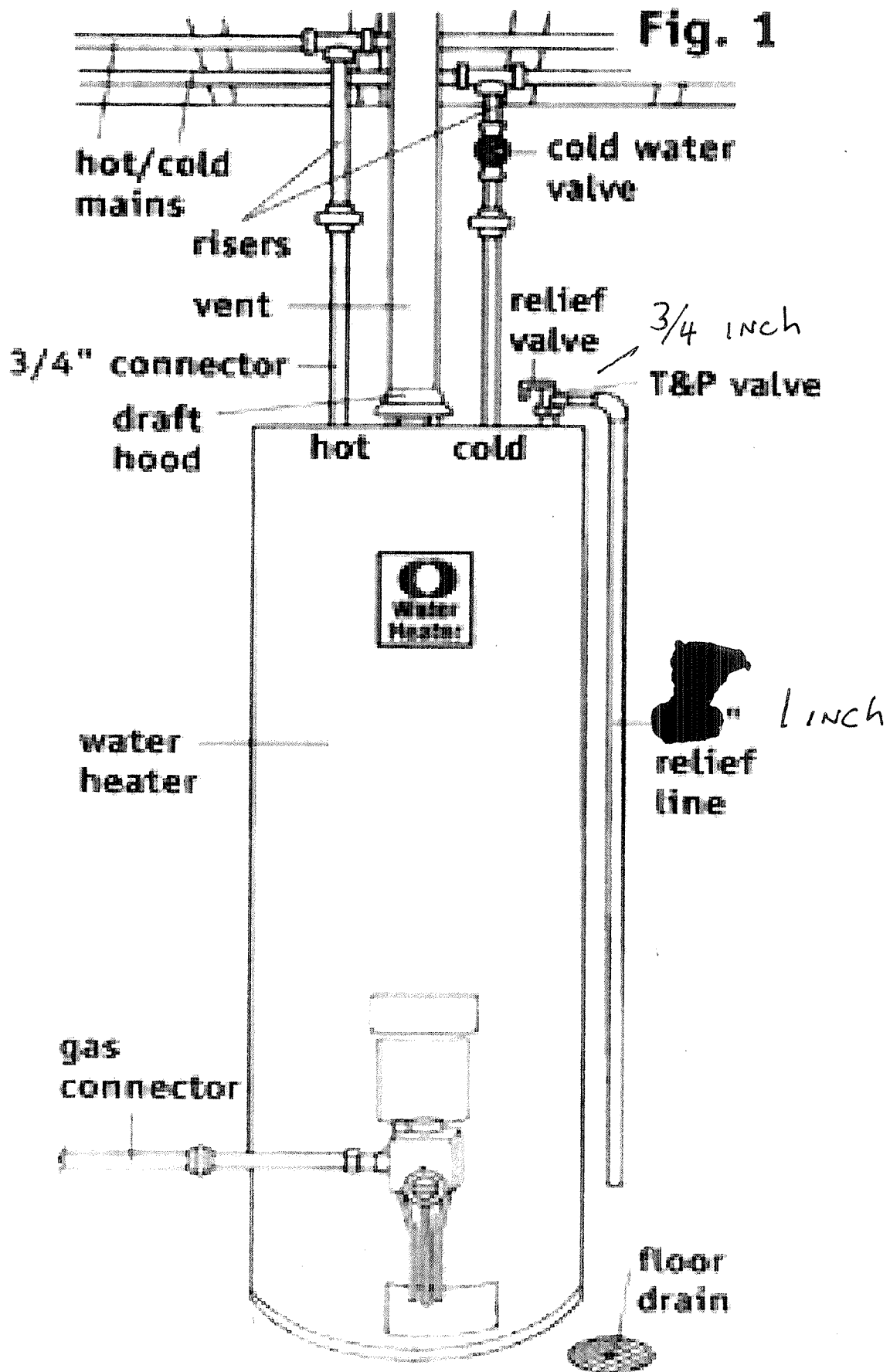
SIZE	Minimum Slope Inch per foot
2-1/2 Inches or less	1/4 inch
3 to 6 Inch	1/8 th inch
8 Inches or larger	1/16 th inch

C. Piping Support: Depending on the specific piping utilized it shall be supported horizontally and vertically in accordance with **IRC P2605 (Most Common used material)**

Table 2605.1

Piping Material	Maximum Horizontal Spacing	Maximum Vertical Spacing
Cross-linked polyethylene (PEX) 1 inch and smaller	2.67 feet / 32 inches	120 inches
Cross-linked polyethylene (PEX) 1 inch and larger	48 inches	120 inches
Chlorinated polyvinyl chloride (CPVC) 1-1/4 dia. smaller	36 inches	120 inches
Chlorinated polyvinyl chloride (CPVC) 1-1/4 dia. larger	48 inches	120 inches
Polyvinyl Chloride Pipe (PVC)	48 inches	120 inches
Copper, Copper Alloy Tubing 1-1/4 dia. smaller	72 inches	120 inches
Copper, Copper Alloy Tubing 1-1/2 and larger	120 inches	120 inches
Copper or Copper Alloy Pipe	144 inches	120 inches





A typical gas water heater hook-up.

