Auxiliary Drain – Wet System

Wet system auxiliary drains shall be provided where a change in piping direction prevents drainage of system piping (trapped piping) through the main drain valve. The type of a wet system auxiliary drain, its size, and its arrangement depend on the capacity (volume) of trapped piping.

Wet system where the capacity of trapped section of pipe is 50 gallons or more, the auxiliary drain shall consist of a valve not smaller than 1 in. piped to an accessible location (Exhibit 1).

Wet system where the capacity of trapped section of pipe is less than 50 gallons and more than 5 gallons, the auxiliary drain shall consist of a valve ¾-inch or larger and a plug (Exhibit 2) or a nipple and cap (Exhibit 3).

Wet system where the capacity of trapped sections of pipe is less than 5 gallons one of the following arrangements shall be provided:

1. A nipple and cap or plug not less than ½-inch in size. (Exhibit 4)
2. An auxiliary drain shall not be required for trapped sections less than 5 gallons where the system piping can be drained by removing a single pendent sprinkler. (Exhibit 5)
3. Where flexible couplings or other easily separated connections are used, the nipple and cap or plug can be omitted. (Exhibit 6)