1.3. Fire Hose Systems

1.3.1. Fire Hose Cabinet (FHC)

A cabinet housing combination of instantaneous connection outlets for Landing Valve, Hose reel along with, nozzle and fire extinguishers.

1.3.2. Landing Valve

A 65 mm diameter instantaneous water outlet normally located near the staircase for trained or Civil Defence fire fighters to use during fire.

1.3.3. Hose Reel or Hose Rack

A 25 mm Hose reel or 40 mm diameter Hose rack, instantaneous water outlet with a connected hose for trained occupants or Civil Defence fire fighters to use during fire.

1.3.4. Standpipe

The vertical portion of the system piping that delivers the water supply for hose connections (and sprinklers on combined systems), vertically from floor to floor. The term standpipe can also refer to the horizontal portion of the system piping that delivers the water supply for two or more hose connections (and sprinklers on combined systems) on a single level.

1.3.5. Combined System

A piping system that feeds both Landing valves, Hose systems and Sprinkler system network.

1.3.6. Dry Riser System (Manual Standpipe System)

Dry riser systems are normally dry without permanent water connection to them and depend on the Civil Defence fire truck to pump water into the system. Dry riser system comprises of one or multiple vertical riser pipes or horizontal runs of piping that are terminated to the two way breeching inlets located at the ground level and connected to the 65mm diameter landing (Fire Department) valve outlets coupled or uncoupled with 65mm diameter, 30 m long re-inforced rubber lined (RRL) hose with multipurpose hose nozzle that are placed inside a cabinet for the use of Civil Defence personnel or other trained fire fighting personnel.

1.3.7. Wet Riser System (Wet Standpipe System)

Wet riser systems are normally pressurized with water having permanent water supply from fire water pumps and fire water storage tanks. Wet riser system comprises of one or multiple vertical riser pipes or horizontal runs of piping that feed the Sprinkler System, Water Spray System as well as Hose and Landing Valve connections. These risers are connected to fire pumps and fire water storage tanks located within the buildings. 25mm for Hose Reel System, 40 mm for Hose Rack system, 65 mm diameter for Landing Valve tapping will be made from the wet riser in each floor level and fitted with multipurpose hoses and nozzles that are placed inside a cabinet for the use of Civil Defence personnel or other trained fire fighting personnel. In addition the four way breeching inlets located at ground level are connected to the bottom of the wet riser to pump water from the Civil Defence fire truck as supplementary water supply.