FIRE FIGHTING SYSTEM NOTES



FFS_N1	FIREFIGHTING SYSTEM	
	Annex_FFS Notes	Revisions_2021
Item	Provisions	Notes
1.0	Sprinklers maybe required in some building configurations based on the life safety assesment. (for example non compliance to to travel distance limits. Or the Commodities in the building exceeded the MAQ and so on).	
2.0	Fire Blanket shall be required on all kitchens and pantries with cooking appliance.	
3.0	Fifty(50)kg. Wheeled/Trolley type applicable fire extinguisher shall be required on all non-sprinklered industrial and storage occupancies with areas exceeding 100 m ²	
4.0	Refers to sprinkler protection only (other system can be used as alternative). Comply with NFPA 13 for all other requirements not specified in this guidelines.	
5.0	Standpipe system to be used by fire department. Shall comply with NFPA 14 for all other requirements not specified in this guidelines.	
5.1	Maximum number of landing valves or outlet per floor : 1000mm dia. Riser - two(2) 650mm outlets; 1500mm dia. riser - four (4) 650mm outlets.	
5.2	Minimum flow at outlet : 250 gpm @ 100psi	
5.3	Breeching inlet or Fire Dep>t Connection shall be connected on the system side of the fire water supply check valve: 150@mm - 4 way type (150@ x 4-65@ inlets); 100@mm - 2 way type (100@mm x 2-65@mm inlets) (siamese type).	
6.0	Refers to 25mmØ hose reel to be used by occupants. Comply with NFPA 14 for all other	
0.0	requirements not specified in this guidelines, Min. @ 65psi	
6.1	Hose reel system only : 650mm (min.) riser to serve up to max. 4-hose reels per floor.	
6.2	Hose reels shall be connected in crossmains after the floor/zone control valve assemby(equiped with water flow switch) in sprinklered buildings.	
6.3	Provide on all floors when the building of portions of the building is protected with an automatic sprinkler system	
7.0	Fire pumps shall comply with NFPA 20 for all other requirements not specified in this guidelines.	



Item	Provisions	Notes
7.1	Fifty (50) gpm hose allowance shall be added to sprinkler demand if one FHR per floor level is provided; 100 gpm if two or more FHR is provided per floor level.	
7.2	500 gpm for one standpipe (65mmØ landing valve) and additional 250gpm per addition of standpipe up to max. 1250gpm	
7.3	1000 gpm (maximum) is acceptable for combine (sprinkler/wet standpipe) system for non-storage building.	

