

Guidelines – Fire safety in High Rise Constructions

PCFC- Entity (Business Unit) Name	:	Trakhees (Dept. of Planning & Development)	
Department Name	:	Civil Engineering Department (CED)	
Section Name	:	Inspection & Compliance (Construction Safety)	
Document Reference Number	:	PCFC-TRK-CED-CS-G26	
Revision Number	:	02	
Revision Date	:	January 2019	
Classification	:	Public	

Rev. 02 / January 2019





Guidelines – Fire safety in high rise Constructions

RESPONSIBILITY & SCOPE	TANK, PUMP AND WET RISER	LANDING VALVES,
 It is the responsibility of the main contractor to take adequate fire safety measures during the construction of the tower. Application for COC III must be made once the building height reaches 24 metres but before the building height exceeds 30 metres. The main contractor must develop and regularly update a construction fire safety plan. This guidance note does not change any existing regulatory requirements placed on consultants or contractors 	 Provide a sufficient supply of water to ensure that the wet riser system can deliver water for a minimum of 45 minutes. Install a pump with discharge capacity of a minimum 350 GPM and ensure backup is available in the event of power failure Provide a charged wet riser with a minimum diameter of 100mm reaching top of the building. 	 HOSE REELS & PRESSURE Provide landing valves of 75 mm diameter on all floors. Valves should be easily accessible and convenient to operate. Hose reels of approved quality 30 metres long must be provided for fire department use. Ensure that minimum pressure of 6.9 Bar is achieved at any point in the building. Use pressure regulating valves to achieve pressures in accordance with fire department requirements.

Rev. 02 / January 2019



Guidelines – Fire safety in high rise Constructions

