



Specification for Fire Suppression & Hose Reels

Background

This specification is for fire suppression at the library building and hose reels in main building. This exercise is meant to improve and maintain the fire compliance within the workplace as mandated by SANS Code of practice 10400, National Building Regulations.

Fire suppression in the library

Item	Description	Quantity
1	25 Smoke detectors	25
2	Manual call point yellow	1
3	Manual call point red	2
4	Beacon sounder	5
5	Extinguisher Relay	1
6	3 Zone fire & Extinguishant panel	1
8	78L gas bottle (HFC 227)	2
9	32mm galvanized pipe per meter	48
10	1mm, 2core PH30 fire resistant cable per meter	500
11	12v 7AH batteries	2
12	360-degree nozzle	8
13	Commissioning, training, and testing	1

Hose reels in main building

Description	Quantity
Installation of new hose reels with frame for different corridors	6

Scope of work

- Each hose reel shall be located in a readily accessible position and its location shall be clearly indicated. They shall not be installed in fire-isolated exits unless approval is obtained from the Regulatory Authority.
- The hose reel assembly shall be mounted so that the full diameter of the drum is facing the access point.
- The hose reel assembly shall be suitably mounted at a spindle height of between 1.5 m and 2.4 m above floor level. The valve shall be mounted at 1 + 0.1 m above floor level. (NOTE: The recommended mounting height of the centre of the hose reel is 1.5 m above floor level.)
- The hose reel shall be mounted and installed so that there is no interference with the running out of the hose in any direction.

Construction Industry Development Board

- CIDB 1SF grading and more

Guarantee

- 10 years guarantee on painting and workmanship from the date of completion

Compliance

- Service provider must be conversant with and adhere to the National Building Regulations Act No 103 of 1997
- Service provider must be conversant with and adhere to the SANS 10139
- -Installation must be done by qualified SAQCC technician (proof of certificate must be attached on the tender documents)

References

- At least three proof of reference letters that indicate you have successfully completed similar work. The letter should be on a letterhead of the company where services were provided with the value of work completed.

Site Briefing

- Compulsory site briefing so that the buildings can be assessed

Contingency

- 10% of project price
- **NOTE:** contingency amount belongs to ARC therefore it's within our right to use it