

**6.1.6. Smoke Control Panel (SCP) and Power Supply (With 3 hour battery backup, enclosure rating of UL 864, IP 65 or above)**

- i. ANSI/UL 864, Standard for Control Units and Accessories for Fire Alarm Systems, category UUKL, for their intended purpose.
- ii. ISO 21927-9: Smoke and heat control systems — Specification for control equipment.
- iii. ISO 21927-10: Smoke and heat control systems — Specification for power output devices.
- iv. EN 12101-10: Smoke and heat control systems. Power supplies.

**6.1.7. Smoke Curtains or Draft Curtains (Rated at 600° C for 2 hours)**

- i. ISO 21927-1: Smoke and heat control systems, Specification for smoke barriers.
- ii. EN 12101-1: Smoke and heat control systems. Specification for smoke barriers.

**6.1.8. Fire Curtains (Rated at 1100° C for 2 hours)**

- i. UL 10D. Standard for Fire Curtains.
- ii. BS 476; part 22, Fire Resistance Test to Building Material
- iii. BS 8524-1: Active fire curtain barrier assemblies Part 1 - Specification
- iii. BS EN 1634-1, Fire resistance and smoke control tests for door and shutter assemblies

**6.1.9. Natural Smoke and Heat Vents (Rated at 300° for 30 minutes)**

- i. ISO 21927-2: Smoke and heat control systems — Specification for natural smoke and heat exhaust ventilators.
- ii. FM 4430, Heat and Smoke Vents.
- iii. UL 793, Standard for Automatically Operated Roof Vents for Smoke and Heat
- iv. EN 12101-2: Smoke and heat control systems. Specification for natural smoke and heat exhaust ventilators.

**6.1.10. Mechanical Extract Fans and Jet Fans (Rated at 400° for 2 hours)**

- i. EN-12101-3: Smoke and heat control systems. Specification for powered smoke and heat exhaust ventilators.
- ii. UL 705, Standard for Power Ventilators.
- iii. EN 13501-4: Fire classification of construction products and building elements - Part 4: Classification using data from fire resistance tests on components of smoke control systems.

**6.1.11. Powered Smoke and Heat Exhaust Ventilators (Rated at 400° for 2 hours)**

- i. EN 12101-3: Smoke and heat control systems. Specification for powered smoke and heat exhaust ventilators.
- ii. EN ISO 13350: Industrial fans. Performance testing of jet fans.
- iii. EN 13501-4: Fire classification of construction products and building elements - Part 4: Classification using data from fire resistance tests on components of smoke control systems
- iv. UL 705, Standard for power ventilators