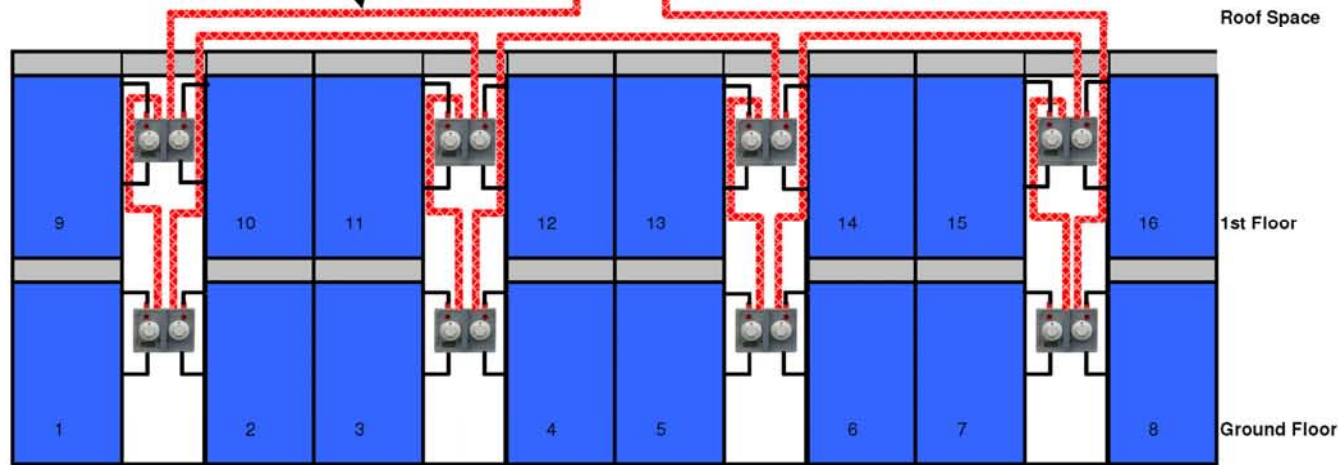
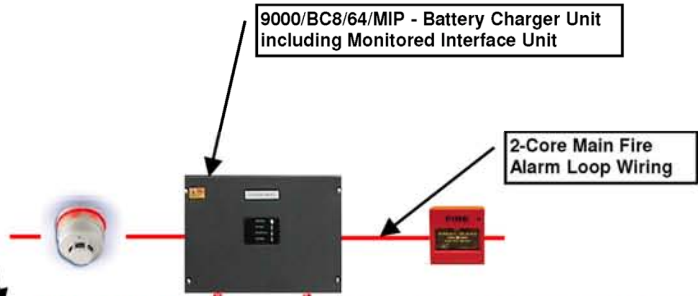


In-Cell Fire Detection Schematic

4-Core Fire Rated Cable (2-Core Loop & 24volt dc).

Upto 16 cells (8 x Pro-Point 2x2) can be fed from a single 9000 series 24Volt Power Supply Unit, (8Amp Charger c/w 2No 12Volt 64Ampere/Hour cells for optimum installation)

NOTE
 Pro-Point 1 = 2No addresses
 Pro-Point 2x2 = 4No addresses
 16 cells = 33 address inc. interface for PSU fault monitoring.



Typical arrangement utilising shared service riser for new modular build cellular accomodation

Note:

1. The Pro-Point Unit utilises multiple addresses on the fire alarm system.

Pro-Point 1 = 2No Addresses (Detector - 1 Address & In-built Short Circuit Isolator - 1 Address)
 Pro-Point 2x2 = 4 Addresses (Detector 1 address per channel - 2 Addresses, & In-built Short Circuit Isolator 1 address per channel - 2 Addresses).

2. In-line with the current MOJ Technical Specification for Fire Alarms (STD/E/SPEC/013) capillary tubes cannot be used for the air sampling pipe work.

3. Upto 8No Pro-Point 2x2 Air Sampling Units can be fed from a single 9000/BC Power Supply Unit.

4. The Pro-Point Unit has been designed to utilise either our 3000 Conventional or 6000 Addressable point type detectors.

5. The Pro-Point Unit has in-built air flow monitoring.

6. The Pro-Point Unit does not derive it's power from the addressable loop. A seperate Power Supply Unit is required.

7. The Power Supply Unit is fitted with a Monitored Input Interface Unit to provide the main fire alarm system with a signal in the event of a fault condition occurring on the unit.

8. Each Sampling Channel has an multiple speed aspirating fan.

9. Each Sampling Channel has an exhaust outlet. This removes the need for the exhaust gases to be discharged to atmosphere, as the gases can be individually vented back in to the sampled are reducing the need for specialised modifications to the cell air extract ductwork.

In-Cell Fire Detection Schematic

