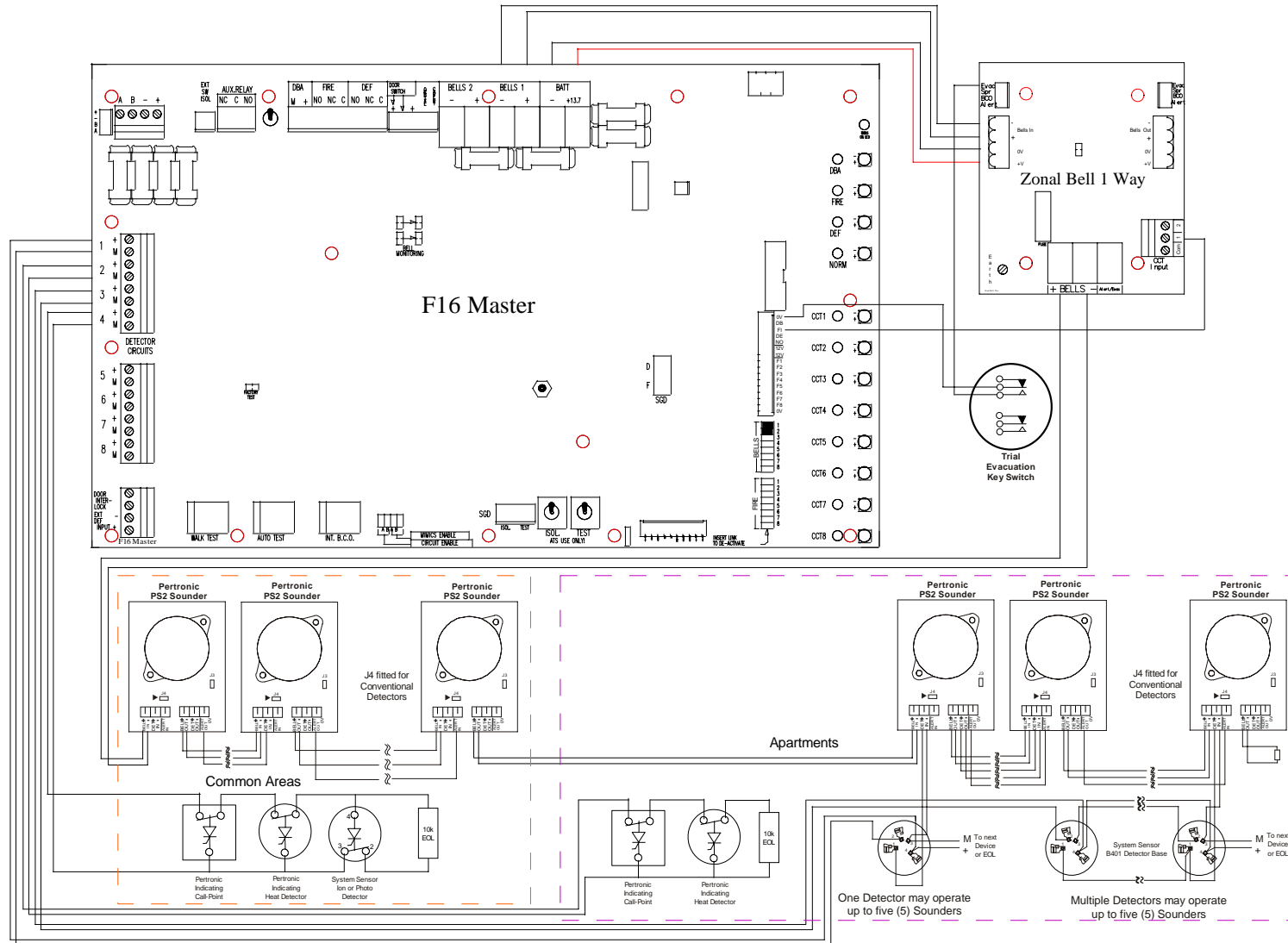


# F16 Conventional Panel

## Type 5 with Zonal Bell Board



### CONNECTIONS:

- 1) Apartment Smoke Detectors are shown connected to Circuits 1 and 3
- 2) Apartment Heat Detectors and Manual Call-Points are shown connected to Circuit 2
- 3) Common Area Smoke Detectors, Heat Detectors and Manual Call-Points are shown connected to Circuit 4
- 4) A Zonal Bell Board is shown connected to BELLS1
- 5) The 'Common Fire' open-collector output is shown connected to the Zonal Bell Board Control input

### OPERATION:

- 1) When an Apartment Smoke Detector on Circuit 1 or 3 operates:
  - (a) PS2 Sounder(s) within the affected apartment operate
  - (b) the 'BELL1' relay remains inactive, therefore the Zonal Bell Board does not operate the global Evacuate alarm through all PS2 Sounders
- 2) When an Apartment Heat Detector or Manual Call-Point on Circuit 2 operates:
  - (a) the 'BELL1' relay and the 'Common Fire' open-collector output activate sounding the general Evacuate alarm through all PS2 Sounders
- 3) When a Common Area Manual Call-Point, Heat Detector or Smoke Detector on Circuit 4 operates:
  - (a) the 'BELL1' relay and the 'Common Fire' open-collector output activate sounding the general Evacuate alarm through all PS2 Sounders

### CIRCUIT ASSIGNMENT GUIDE

| Link          | Apartment (Smokes) | Apartment (Heats & MCPs) | Common Area (Smokes, Heats & MCPs) |
|---------------|--------------------|--------------------------|------------------------------------|
| Configuration | Indicator Only     | Normal                   | Normal                             |
| Bells         | IN                 | OUT                      | OUT                                |
| Fire          | IN                 | OUT                      | OUT                                |

Note that this Table is indicative only

- settings will vary according to system requirements.

|               |  |
|---------------|--|
| Title:        | F16 Conventional Panel: Type 5 with Zonal Bell Board |
| Issue Number: | Issue 1.0  |
| Date:         | 31 August, 2005                                      |
| Drawing:      | G M Tustin   |
| Checked:      | B A Peels  |