

# Fire formal interpretations

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3 September 2013

**FI-109**

NZS 4512:2010 *Fire detection and alarm systems in buildings* – Clause 405.2.1(h)

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**Question:**

Is detection required beneath an external canopy with a ceiling wholly comprised of louvres which can be opened and closed?

**Interpretation issued by the Alarms and detection group:**

Detectors are required if the canopy:

- (a) Is 1500 mm or more in both dimensions; and
- (b) Is attached to the building; and
- (c) Has combustible material likely to be stored or a vehicle can be parked underneath.

Normal detector spacing applies.

No special measures are required to compensate for a delay in detection when the louvres are open.

NOTE – Such detectors would typically be IP54 rated or encapsulated heat types (per 405.1.3 and 216.11), and the canopy would not count towards the firecell area for the 30% calculation (per FI-104).