

Good morning Matt

This is an extract from the premises fire risk assessment ref the installed fire alarm systems in the areas covered by the assessment.

There is an automatic smoke detector located in each flat/lift lobby area on every residential floor level of this building and a full fire alarm and warning system installed in the office areas of the building. The basement boiler room area has a manual system and the roof level lift motor room and plant rooms have automatic and manual systems all these devices are linked into the single fire alarm panel located in the ground floor entrance lobby area. There are no sounders of the fire alarm system in the residential parts of the building the detectors are only located here to operate the ventilation system.

I hope the above helps, please see my comments after each of your questions, please give me a ring if I can be of any more help.

Carl

-----Original Message-----

From: M.Smith <M.Smith@maxfordham.com>

To: carlstokes <carlstokes@firesafety-consultant.co.uk>

CC: d.campbell <d.campbell@maxfordham.com>

Sent: Fri, 24 Jan 2014 10:07

Subject: Grenfell Tower

Morning Carl

It was good to meet you yesterday. It would have been useful to have known about your existence at an earlier stage!

As a follow up to what we discussed yesterday I'd like to clarify a few points we spoke about, and also pick your brains further about your knowledge of the installed fire alarm system. Could you confirm the below?

- The fire alarm panel for the finger blocks is located within the concierge office in Grenfell Tower. This alarm is not linked in any way to the system within the tower.

The AOV's are activated/opened by automatic smoke detectors sited locally to each AOV so there is no control panel as such for a complete AFD system for the finger blocks, the individual control panels for each zone are in the concierges office of Grenfell.

- There are also controls for the AOVs for each 'street' atrium of the finger blocks in the concierge office.

see above

- Both lifts within Grenfell are FF/Evac lifts. These are not up to current standards due to the lack of an escape hatch.

CORRECT, both lifts are fully functional FF/Evac lifts, the hatch item is not relevant see information below as well.

Perhaps you can also shed some light on a discrepancy we have between two electrical distribution schematics in Grenfell Tower's electrical switch room?

The larger of the attached schematics is dated 1975 whereas the small drawing is 1996. The 1975 drawing shows two feeds from the main 800A busbars to a static inverter which then feeds the fire alarm panel and the smoke extract system. The 1996 drawing shows the dual supplies feeding the fire alarm panel and the 'pressurisation' fan in the 'Estates Office Ceiling'. These are assumed to be the fans within the false ceiling in what is colloquially known as 'Social Services'; the empty offices at Walkway +1.

It looks like there may have been some work carried out in 1996 to modify the original installation, but the 1996 schematic doesn't show anything for the extract fans within the roof top plant room? You also mentioned that the fire alarm panel was replaced a couple of years ago, so where is that fed from - presumably it has it's own integral battery back-up?

Also, if the lifts are 'Fire Fighting' lifts, then there should be secure, dual supplies to them. This is not shown on the schematics.

Any help you can offer on this would be appreciated. Feel free to call and discuss if there's anything you are unsure about.

Sorry I cannot answer any of the above questions, but below is the information from the TMO lift register

Location of all TMO Lifts

Address
Grenfell Tower, W11

Equipment
FF/Passenger Lift

lift no.	Location
H090	"A" L/H lift
H091	"B" R/H lift

As these are newly refurbished/installed lifts I can only assume that they comply with all the electrical requirements of a FF/Evac lift, otherwise the maintenance/installation company would have raised this item at the time of the work being undertaken.

Carl

Kind regards,

Matt

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1 Attached Images