

Message

From: Cate Cooney [/O=BODYCOTE/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=CATE.COONEY]
Sent: 10/09/2012 11:48:13
To: Terry Ashton [Terry.Ashton@Exova.com]
Subject: Grenfell Tower
Attachments: 20120910114641049.pdf

Terry,

As promised, my thoughts on the possible solution to Grenfell Tower: General fire line mark up attached to clarify ideas below.

Ground level Separate the reception from the stair, as the stair at this point does not communicate with the main core stair, not much of an issue – standards FFS compartmentation.

Mezzanine Creates new residential floor, escape route down to sterile entrance lobby, void being open or closed not of great concern as entrance lobby is to remain sterile. I feel that separation of the stair at this level would be necessary to protect the main escape route at walkway level on the floor above. Extend common area ventilation and dry riser to this level if not already in place.

Walkway level Non residential use mixing with open base to fire fighting stair.

Options Provide ventilated lobbies to non residential tenancies
 Provide sprinkler suppression to this floor
 Provide high level OV to new stair
 L1 to non residential use, linked to remote monitoring station and interfaced with main FAP to provide information to fire service on arrival (not to activate core ventilation systems unless detector in entrance lobby / core is activated).
 Stair separated at mezzanine level.
 Section 20 requirements to be satisfied.
 Create shared lobby / route from boxing club and office to negate extended single travel distance in boxing club (27m)
 Details of management controls in this part of the building would be useful / access control to residential floors?

Office level Now residential use with access into main stair, all common provisions to be extended to this floor

Residential levels above, as existing. The travel distance to the stair, although existing, is slightly extended in light of the current ADB.

I noted some fairly long protected entrance halls on the new levels – I have previously spoken to Bruce, some are only just over 9m. There are two entrances to some flats, which could be rationalized, but I have mentioned flat entrance halls opening into the refuse chute lobby is not acceptable.

The existing ventilation system is questionable and the overall scheme theoretically makes the existing conditions worse by adding the additional risk of 2 No extra residential floors to the building. It is proposed to upgrade the ventilation system, but the standard it will achieve is unknown. There are also no details on the terminal to the shaft.

Generally, there is a significant approvals risk with the current proposals, particularly at walkway level. Hope the above is of some use.

Thanks

Cate

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