

Message

From: Terry Ashton [/O=BODYCOTE/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=TERRY.ASHTON]
Sent: 07/11/2013 09:50:37
To: Tomas Rek [tomas@studioe.co.uk]
CC: Bruce Sounes [bruce@studioe.co.uk]; Paddy Glennon [paddy@studioe.co.uk]
Subject: RE: Grenfell - Fire Strategy comments
Attachments: Grenfell - AOV scheme.pdf

Tomas

Fire protection of steel structures

The steel structures supporting the gallery connecting the boxing club stair and the existing lift lobbies on mezzanine and walkway levels would need fire protection but I would suggest that this only needs to be to a 30 minute standard of fire resistance provided that their collapse under fire conditions would not have an adverse effect on the structural stability of the building as a whole.

Doorway to community meeting room

The access from the boxing club stair to the community room could only be retained if it was via a lobby.

Office corridor at ground floor level

I must confess that I'd assumed that smoke from a fire in the ground floor corridor would be ventilated by the AOV at the top of the stair. Clearly this cannot happen if the stair is enclosed at this level. There are two possible solutions:

- Provide another AOV from the corridor into the shaft connecting the AOV on the façade to the stair: or
- Leave an opening between the corridor and the shaft connected to the AOV and rely on the vent at the head of the stair to vent smoke from a fire at another level.

See the drawing attached which shows the first option.

I imagine that you (and the client would prefer the second option on the grounds of cost.

Let me know what you think regarding these two options and what you want to do about the link to the community meeting room I'll amend the report in line with this. AS I don't work Fridays, you need to get back to me today if you want it by the end of the week.

Kind regards

Terry

Terry Ashton: Associate, Fire Engineering (Europe)
Exova Warringtonfire

T: [REDACTED] M: [REDACTED]
Exova



From: Tomas Rek [<mailto:tomas@studioe.co.uk>]
Sent: 06 November 2013 17:36
To: Terry Ashton
Cc: Bruce Sounes; Paddy Glennon
Subject: RE: Grenfell - Fire Strategy comments

Terry,

Thank you for the revised proposal. We prefer this one.

Can you please advise:

- Whether steel structure supporting the gallery connecting the Boxing club stair and the existing lift lobbies on Mezzanine and Walkway level need fire protection. And if yes, then how many minutes.
- Can the door connecting the Community meeting room and the Boxing Club stair be retained when the meeting room has AOV's and the door is fire rated?
- Does the ground floor office corridor need to be smoke ventilated? Or an AOV for the stair only would suffice?

Thank you

Regards

Tomas

From: Terry Ashton [<mailto:Terry.Ashton@Exova.com>]
Sent: 06 November 2013 09:22
To: Bruce Sounes
Cc: Grenfell; M.Smith@maxfordham.com
Subject: RE: Grenfell - Fire Strategy comments

Bruce

I've re-done the compartmentation drawings showing what would be necessary if you didn't want to fire rate the screen and door between the boxing club stair and the entrance void. If you're happy with the changes, I'll amend the report and send it to you. The basis for connecting both AOVs to the stair is that the lower one will provide replacement air for the one at high level. There would be no need to have two AOVs at ground floor level unless you thought that was better architecturally. The opening between the stair and the shaft connecting to the AOV on the external façade could just be a louvred panel providing the same geometric free area as the AOV.

Kind regards

Terry

Terry Ashton: Associate, Fire Engineering (Europe)
Exova Warringtonfire
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From: Bruce Sounes [<mailto:bruce@studioe.co.uk>]
Sent: 05 November 2013 20:12
To: Terry Ashton
Cc: Grenfell; M.Smith@maxfordham.com
Subject: RE: Grenfell - Fire Strategy comments

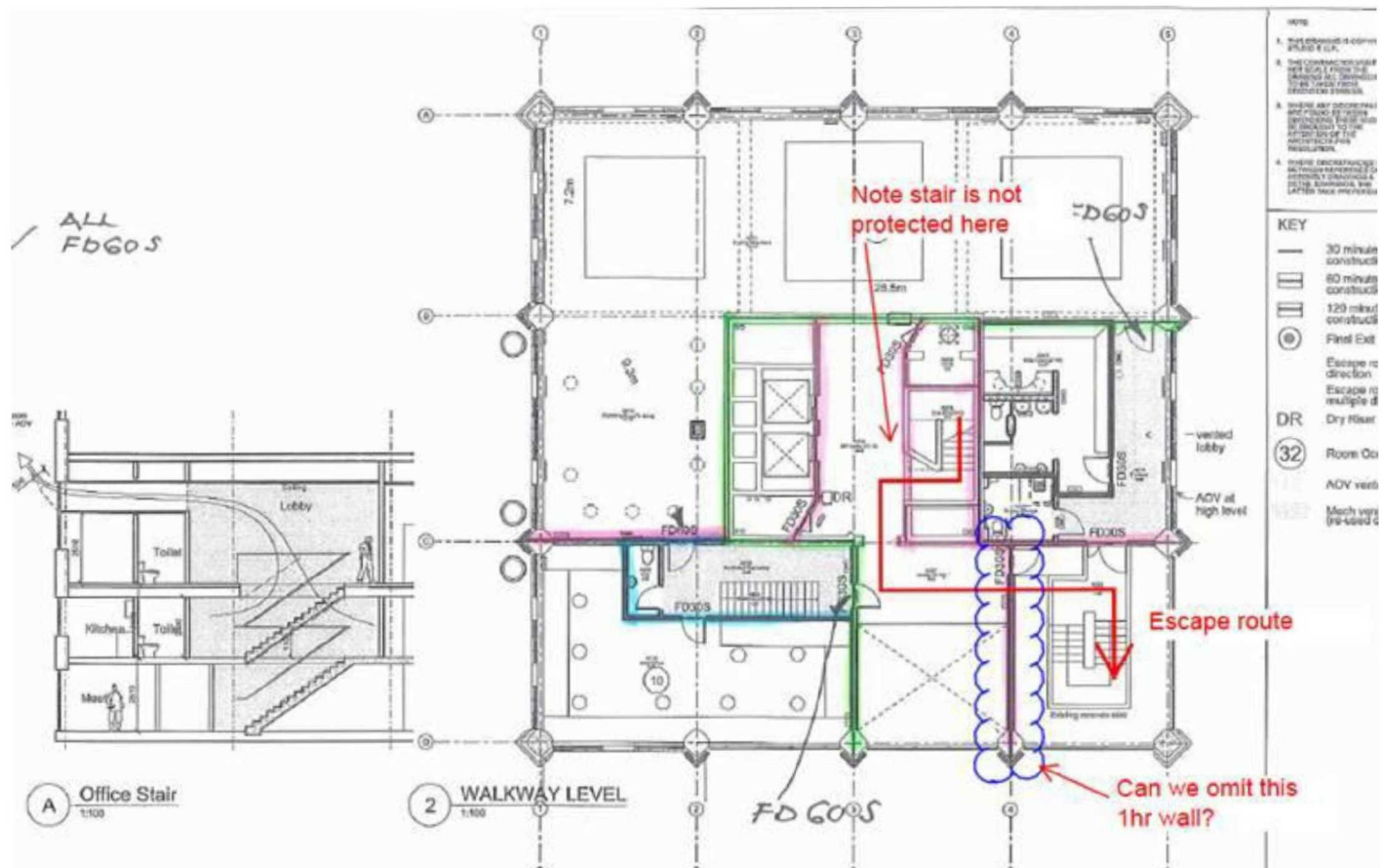
Terry,

Thanks for the quick response.

1. Separating wall

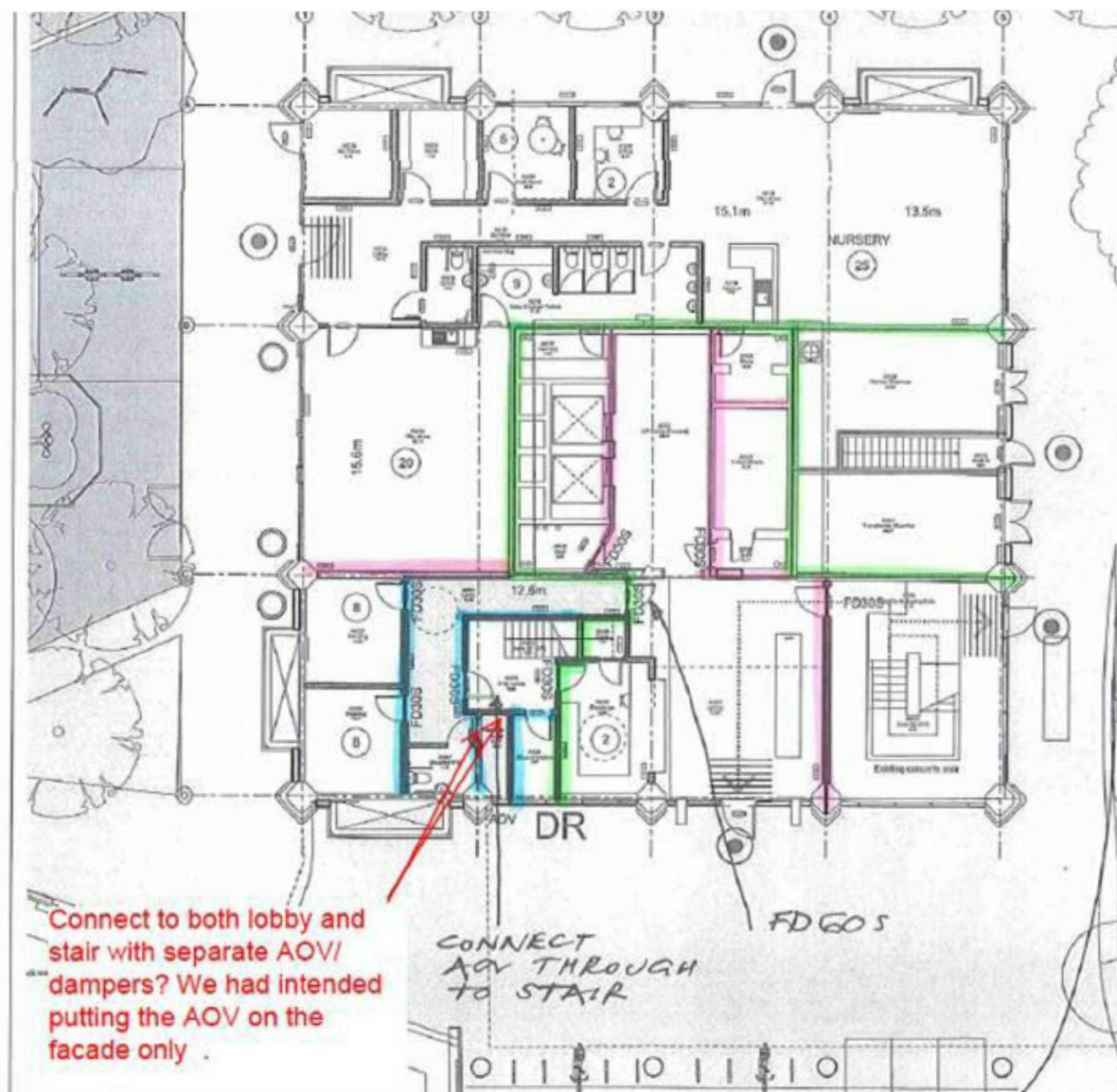
We don't like the separating wall between stair and lobby. There is a need to maintain a separation for security but it would be preferable if this was just a low screen and door at each level. The concierge would have a good view of what's going on.

I don't understand the need for the 60 minute separation because you have to pass through the (sterile) entrance lobby to get to the stair anyway. If there is an issue of smoke we could put an AOV on the façade.



2. AOV

Please clarify how the AOV would operate? Would there have to be two internal AOV's and would they be fire rated and activated separately?



Regards

Bruce Sounes

For and on behalf of
STUDIO E LLP

Palace Wharf, Rainville Road, London W6 9HN

T [REDACTED] | F [REDACTED] | www.studioe.co.uk

From: Terry Ashton [<mailto:Terry.Ashton@Exova.com>]

Sent: 05 November 2013 16:31

To: Tomas Rek

Cc: Bruce Sounes

Subject: RE: Grenfell - Fire Strategy comments

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Tomas/Bruce

Further to Bruce's earlier email I've revised the report (see the draft with changes highlighted in yellow attached) and have annotated copies of the drawings with the necessary fire ratings using your colour scheme(see attached). Hopefully, we should be able to finalise both within the timescale Bruce identified.

Kind regards

Terry

Terry Ashton: *Associate, Fire Engineering (Europe)*
Exova Warringtonfire

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Exova



From: Tomas Rek [<mailto:tomas@studioe.co.uk>]
Sent: 05 November 2013 14:51
To: Terry Ashton
Cc: Grenfell
Subject: RE: Grenfell - Fire Strategy comments

Terry,

- Please find attached the latest drawings.
- The apartments at mezzanine level are new. The current nursery resides there now.

Regards

Tomas

From: Terry Ashton [<mailto:Terry.Ashton@Exova.com>]
Sent: 05 November 2013 12:00
To: Bruce Sounes
Subject: RE: Grenfell - Fire Strategy comments

Bruce

I'm amending the report to marry up with the fire strategy drawings that you attached to your email. I need clarification on two points in order to be able to complete this task:

- Are the drawings the latest ones?; and
- Are the apartments at mezzanine level new or existing apartments?

Kind regards

Terry

Terry Ashton: Associate, Fire Engineering (Europe)
Exova Warringtonfire

T: [REDACTED] M: [REDACTED]
Exova



From: Bruce Sounes [<mailto:bruce@studioe.co.uk>]

Sent: 05 November 2013 09:45

To: Terry Ashton

Cc: M.Smith@maxfordham.com; d.campbell@maxfordham.com; Grenfell

Subject: Grenfell - Fire Strategy comments

Terry,

I have some comments on your fire strategy, attached. There are some discrepancies on travel distances and we need your final run through on the fire strategy drawings, attached. Time is running out. We need to finalize within a week.

Many thanks

Bruce Sounes

For and on behalf of
STUDIO E LLP

Palace Wharf, Rainville Road, London W6 9HN

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