

THE GRENFELL TOWER INQUIRY

EXHIBIT DPB/22

This is the Exhibit marked “DPB/22”
referred to in the witness statement
of David Paul Bradbury

David Bradbury

From: David Bradbury
Sent: 03 August 2015 08:18
To: 'M.Smith@maxfordham.com'
Cc: d.campbell@maxfordham.com; Claire Williams; Neil Reed; MALCOLM Andrew; David Peacock; richard moss
Subject: FW: FW: Grenfell Tower - AOV

Morning Matt,

Please see answers below from our AOV specialist, I'll also chase RJE (electrical contractor) and DSC (Controls specialists) for their response too.

Kind regards,

Dave Bradbury
Design Manager
Head Office

Tel: [REDACTED] | Fax: [REDACTED] | Mob: [REDACTED] | Email: davidbradbury@jswright.co.uk | Web: www.jswright.co.uk

From: Hugh Mahoney [mailto:hm@psbuk.com]
Sent: 02 August 2015 19:21
To: David Bradbury <DavidBradbury@jswright.co.uk>
Subject: RE: FW: Grenfell Tower - AOV

Hi David,
Please see below for my answers to the points raised by the consultant engineer

Hugh Mahoney
Commercial Manager

PSB UK Ltd

Witt House
elf Mills
Shelf
Halifax
HX3 7BJ
England

Tel: [REDACTED]
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From: David Bradbury [mailto:DavidBradbury@jswright.co.uk]
Sent: 16 July 2015 12:40
To: Hugh Mahoney <hm@psbuk.com>
Cc: David Peacock <DavidPeacock@jswright.co.uk>
Subject: FW: FW: Grenfell Tower - AOV

Hugh,

Would you be able to answer the questions below from the consultant for me please.

Kind regards,

Dave Bradbury
Design Manager
Head Office

Tel: [REDACTED] | Fax: [REDACTED] | Mob: [REDACTED] | Email: davidbradbury@jswright.co.uk | Web: www.jswright.co.uk

From: M.Smith@maxfordham.com [mailto:M.Smith@maxfordham.com]

Sent: 16 July 2015 11:40

To: David Bradbury

Cc: d.campbell@maxfordham.com; 'Claire Williams'; Nick Valente (nick.valente@uk.arteliagroup.com); Neil Reed

Subject: Re: FW: Grenfell Tower - AOV

Morning Dave

Thanks for sending this through.

A few comments;

- Is the proximity of the low-level point of discharge to the flats at Walkway +1 acceptable? I had previously assumed that all smoke discharge was to be at roof level. This is outside my area of expertise however so it may be correct.

The smoke discharge from a smoke control system can be at any level and it should discharge where it does not affect the point of exit or can be drawn back into the building. This system will not be extracting smoke during the evacuation phase as air will be drawn through the open stairwell door and it will pull in clean air from the stairwell. During firefighting operations air will again be pulled in from the stairwell. Should a window, in the fire affected flat, break then some smoke may be extracted during firefighting operations. i.e. the flat door is open and the stairwell door is open.

- The auto-changeover for the power supply is not included in PSB's schematic. Can you confirm that this is being picked up by RJE?

RJE to answer

- The environmental fans on the cause & effect document are down as 100%. Can you provide a narrative for how these are controlled? I.e. is the fan speed controlled? What are the temperature set points? Are the dampers either fully open or fully closed?

Co-ord with DSC regarding temperature set point is. **With regard to the dampers all lobby dampers will be fully open**

- Can you also confirm that the phasing of switch over from environmental control to fire condition will be such that the damper on the environmental supply fan will be fully closed prior to the smoke extract fan coming on line?

There will be an initial time delay to the smoke extract fans starting (90 seconds) as all dampers will close and then the dampers on the fire floor will open. Once an alarm signal is received the main environmental fan damper will close and both the main smoke extract fan dampers will open.

Kind regards,

Matt

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From: David Bradbury <DavidBradbury@jswright.co.uk>
To: "M.Smith@maxfordham.com" <M.Smith@maxfordham.com>
Date: 16/07/2015 10:18
Subject: FW: Grenfell Tower - AOV

Matt, FYI. Latest AOV drawings, I've asked them to change the schematic to incorporate the ground floor as well.

Kind regards,

Dave Bradbury
Design Manager
Head Office

Tel: [REDACTED] Fax: [REDACTED] Mob: [REDACTED] | Email: davidbradbury@jswright.co.uk | Web: www.jswright.co.uk

From: Richard Yeadon [mailto:ry@psbuk.com]
Sent: 15 July 2015 16:41
To: David Peacock
Cc: David Bradbury; Richard Midgley; Tim Haigh; Hugh Mahoney
Subject: RE: Grenfell Tower - AOV

Ive,

Please find attached the following revised drawings and cause and effect for Grenfell Tower:-

E75015-800 Rev C
P75015-140 Rev B
75015-C & E Rev 02

Best Regards

Richard Yeadon
Senior Design Engineer - PSB UK Ltd

Witt & Son UK Holdings
Fan Systems Group
PSB UK
Witt & Son UK
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