

To: Alan Whyte[AlanWhyte@jswright.co.uk]
Cc: Granville Partlow[Granville.Partlow@wittandson.co.uk]; Paul Featherston[PaulFeatherston@Jswright.co.uk]
From: David Harrison
Sent: Fri 13/05/2016 10:02:11 AM
Subject: RE: flow readings Grenfell Tower

Morning Alan

Just as a preamble the smoke control system has been designed to provide the existing stairwell with protection from the ingress of smoke from a fire within a dwelling by means of a mechanical extract system.

The system has been designed to provide an average open door velocity across an open lobby / stairwell door of 2.0m/s, this velocity is in accordance with the recommendation for a Class B pressure differential system as defined in Code of Practice BS EN 12101 Part 6: Specification for pressure differential systems - Kits. (BS EN 12101-6).

The control system will also has pressure sensors added into each ventilated lobby to control the speed of the fans to ensure that when the doors on the escape route(s) are closed that the opening force on the door does not exceed 100N as detailed in BS EN 12101-6.

To this end the system supplied and commissioned complies with the standards set out and has been accepted by all Consultants / Building Control & Fire officer's over time.

We are not entirely clear or understand what additional information you wish to achieve above what has been carried out to date.

It would be greatly appreciated if you could send the additional requirements requested by the building control and the consultant and what BS / document / standard they wish the system to achieve?

Best Regards
David Harrison
Project Manager - PSB UK Ltd

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From: Alan Whyte [mailto:AlanWhyte@jswright.co.uk]
Sent: 13 May 2016 07:54
To: David Harrison <David.Harrison@psbuk.com>
Cc: Granville Partlow <Granville.Partlow@wittandson.co.uk>; Paul Featherston <PaulFeatherston@jswright.co.uk>
Subject: RE: flow readings Grenfell Tower

David

To satisfy building control and the consultant and close out this job in your help with the points below.

Building control what measured flow rates at each high and low damper done with hoods and not calculated from the velocity vs free area.

The consultant what proof that each door does not each 100N of pull force.

We also need the revised des-ops including the new environmental strategy and the O & M information.

This will need PSB to attend with the correct calibrated kit for the flow readings and door pull tests, please advise of your first availability

If you do consider this additional to your scope, please provide cost.

Thanks in advance for your assistance.

Kind regards,

Alan Whyte

Senior Contracts Engineer

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Please Consider the Environment before Printing this E-mail

From: David Harrison [<mailto:David.Harrison@psbuk.com>]

Sent: 11 May 2016 11:30

To: Alan Whyte

Cc: Granville Partlow

Subject: RE: flow readings Grenfell Tower

Morning Alan

Please find attached the anemometer calibration certificate for the measured rates during our final commissioning.

Regarding the other points Granville has been trying to contact you on numerous occasions to discuss in detail so if you would give him a call it would be appreciated. Should you require any additional visits to site will require an additional PO in advance.

Best Regards
David

From: Alan Whyte [mailto:AlanWhyte@iswright.co.uk]

PSB00001141 0002

PSB00001141/2

Sent: 10 May 2016 11:12
To: David Harrison <David.Harrison@psbuk.com>
Cc: Granville Partlow <Granville.Partlow@wittandson.co.uk>; David Bradbury <DavidBradbury@iswright.co.uk>; Phil Leech <philleech@iswright.co.uk>; Paul Featherston <PaulFeatherston@iswright.co.uk>
Subject: RE: flow readings Grenfell Tower

Good Morning David

We have a few requirements/ outstanding items to address to close out Grenfell Tower -

- Building control have ask for measured flow rates in fire mode at each damper. This would be satisfied by a schedule of measured rates for all dampers at both high and low speeds with the use of an anemometer with a suitably size hood in relation to grill sizes, Anemometer calibration certificate will need to be provided
- Max Fordhams need to see pull tests on each lobby door, carried out with fans in low speed to prove we are not exceeding 100NM. This would be satisfied by the a schedule of each door and a calibration cert for the force gauge used.
- Building control have questioned the design of the ground and 1st floor, were there is no air path to the roof top penthouse louver. On these floors the fans run at high speed for a short time with an open door then reduce to low speed with the door open. In this scenario are we achieving the required face velocity of 2m/s across the open door? Please provide a statement/evidence.
- Revised des-ops to include environmental operation
- O & M information.

Could you come back to me on these items asap please.

Kind regards,

Alan Whyte

Senior Contracts Engineer

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From: Granville Partlow [<mailto:Granville.Partlow@wittandson.co.uk>]
Sent: 06 May 2016 12:39
To: Alan Whyte
Cc: David Harrison

Subject: flow readings Grenfell Tower

Hi Alan

If you want the flow readings for the above you need to let me have the grille sizes and the lobby door sizes if you want the open door values in m3/sec

PSB00001141 0003

PSB00001141/3

Best Regards

Granville Partlow
Commissioning Manager

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Fan Systems Group

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