Message

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

Sent: 10/11/2014 10:46:37

To: Simon Lawrence [slawrence@rydon.co.uk]; Claire Williams [clwilliams@kctmo.org.uk]

CC: philip.booth@uk.arteliagroup.com; M.Smith@maxfordham.com; d.campbell@maxfordham.com; David Gibson

[dgibson@kctmo.org.uk]; Neil Crawford [Neil@studioe.co.uk]

Subject: RE: Grenfell windows

Hi Simon,

Central pivot windows were initially proposed by Max Fordham as being optimum for ventilation, the opening top and bottom opening encourage air flow and performed slightly better in the calculations than tilt and turn did. However tilt and turn met the target for minimising overheating.

We looked at pivot windows which are reversible. We even got someone to deliver a sample to the office. The supplier we initially specified, Technal had previously made reversible windows but had withdrawn them. The complexity of the mechanism and the fact that few people made these type of windows was reason enough to discount them. As you say they are somewhat specialized.

However the decider was our original brief, ie windows needed to be cleaned safely from inside and improve the existing barrier condition, both for safety and to discourage people throwing things out. The reversible window swings around almost 180 degrees and in so doing creates an enormous unprotected area. We felt the likelihood of having to reach out to pull the window back in made it an unsafe configuration, and the horizontal opening at the bottom was inviting things to fall out at any time, both accidentally or deliberately.

The image below is a pvc window but the principle is the same.



Regards

Bruce Sounes

For and on behalf of

STUDIO E ARCHITECTS LTD

310 Linton House, 164/180 Union Street, London SE1 0LH T | M (| www.studioe.co.uk

From: Simon Lawrence [mailto:slawrence@rydon.co.uk]

Sent: 07 November 2014 17:32

To: 'Claire Williams'

Cc: philip.booth@uk.arteliagroup.com; M.Smith@maxfordham.com; d.campbell@maxfordham.com; David Gibson; Bruce

Sounes; Neil Crawford

Subject: RE: Grenfell windows

Claire,

Following our conversation and just for everyone's clarity. The options you are looking for below are based on a 'central pivot' style window rather than a 'tilt and turn' style. With the pivot points being horizontally. This is because the ventilation study in Max Fordham's Stage C Report indicates an improvement over tilt and turn. I think its prudent for me to first discuss the financial and manufacturing implications with my supply chain so we have an idea of this type of window in comparison to the tendered one. We don't want it to have a negative effect which my gut feeling say it might. Central pivot or reversible styles are not manufactured by all suppliers so the choice may be reduced which often equates to cost being increased. I will check first.

I've had a brief conversation with Bruce about this as there are reasons why this style was discounted pre tender. Hopefully Bruce or Matt could fill us in with the history behind the decision.

Regards

Simon Lawrence, ACIOB, MInstLM

Contracts Manager

T M

From: Claire Williams [mailto:clwilliams@kctmo.org.uk]

Sent: 07 November 2014 15:52

To: Simon Lawrence

Cc: philip.booth@uk.arteliagroup.com; M.Smith@maxfordham.com; d.campbell@maxfordham.com; David Gibson

Subject: Grenfell windows

Simon

I sat with David Gibson this afternoon looking at the window drawing (1279 SK12 issue 01) you provided on Thursday and your subsequent email re the ironmongery; and Max Fordham's report of Sept 2012 re heating/window design and email of 30 October referring.

Can I ask if there are options that would mean the building regulations to refurbishment would be satisfied (rather just not exacerbating the current situation), specifically:

- 1 The window sizes as drawn above, but both in central pivot mode?
- The window sizes as drawn above, but the larger window in central pivot and the smaller window being opened in turn mode with the 100mm restriction?

It is assumed that the TMO would have to caveat the window ironmongery/opening of windows, saying that only in the case of cleaning should any restrictors be removed. The modelling would have to take into account that the new heating system can be managed by residents, and that new insulation could prevent heat gain.

I am mindful that there is no process in place for noting when client decisions on proposals are required by, and that there may be an impact of not making a decision in a timely way. I am asking that Rydon and Artelia work together to get this in place, as well as the 'Change Tracker' which is not yet published, so that any risk is quantified.

I look forward to hearing from you asap re the window queries above.

Thanks

Claire Williams
Project Manager



t: m:

a: The Network Hub, 292a Kensal Road, London, W10 5BE

Before printing, please think about the environment

This e-mail message has been scanned for Viruses and Content and cleared by MailMarshal

DISCLAIMER:

This E-mail and any files transmitted with are intended solely for the use of the individual or entity to whom they are addressed. If you have received this email in error please notify the System Administrator. This message may contain confidential

information and is intended only for the individual named. If you are not the named addressee you should not disseminate, distribute or copy this email.

Please note that any views or opinions presented in this email are solely those of the author and do not necessarily represent

those of Kensington & Chelsea TMO Ltd Finally, the recipient should check this email and any attachments for the presence of viruses. Kensington & Chelsea TMO Ltd accepts no liability for any damage caused by any Virus transmitted by this email.

This email has been scanned by the Symantec Email Security.cloud service.
For more information please visit http://www.symanteccloud.com

This email has been scanned by the Symantec Email Security.cloud service. For more information please visit http://www.symanteccloud.com