

(JA/15)

Grenfell Tower Fire

Tina Donoghue

From: Moolan, A Thiru <AThiru.Moolan@lewisham.gov.uk>
Sent: 14 June 2017 11:00
To: Allen, John: CP-Plan: RBKC
Cc: McIver Bob; 'Anthony Oloyede'
Subject: RE: FW: CONFIDENTIAL - Grenfell Tower fire

John,

If you need more information about cover, I can give you some pointers. I suspect you would already have this information. I thought it is better to send this anyway.

This building would have been built under the Section 20 provisions. Hence, the main elements would have been designed to 120 min Fire rating. This would have translated to around 50mm of cover on beams. Looking at the intensity of the fire, the cover would have been blown out in most places. This would be worse where the water jet has come to contact with concrete, causing it to cool rapidly and causing further delamination.

In the case of columns, we can expect a higher concentration of shear links. These would help keep the structural integrity of the columns in the short term. We need to be more cautious about the beam soffits. These would have been subject to higher temperatures and more likely to have been in contact with water. The links are more spread out where the moments are higher. In general, it is worth paying close attention to the middle third of the beams.

Hope that is of some use.

Kind Regards,

Thiru

A Thiru Moolan BSc(Hons) CEng MICE FRICS | Civil & Structural Engineering Manager

Tel: [REDACTED]

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From: Anthony Oloyede [mailto:aoloyede@hillingdon.gov.uk]
Sent: 14 June 2017 10:20
To: Moolan, A Thiru
Cc: John Allen; McIver Bob
Subject: Re: FW: CONFIDENTIAL - Grenfell Tower fire

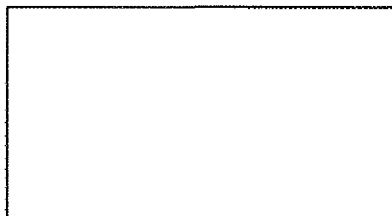
Thanks Thiru.

So far Paul (Barnet) and yourself have come forward with assistance.

Anthony Oloyede, BSc (Hons) FRICS, C. Build E FCABE, MFPWS
Building Control Manager
President - London District Surveyors Association (LDSA)
Celebrating London District Surveyors Association 30th Anniversary

Residents Services
3N/02
London Borough of Hillingdon
Civic Centre

Uxbridge
UB8 1UW
Tel: [REDACTED]
E-Mail: aoloyede@hillingdon.gov.uk
Web: www.hillingdon.gov.uk/buildingcontrol
Guidance Booklet: <http://extendingyourhome.com/hillingdon>



On 14 June 2017 at 10:15, Moolan, A Thiru <AThiru.Moolan@lewisham.gov.uk> wrote:

Hi John,

I have some experience of dealing with an explosion/fire in a 24 storey block of flats previously (20 years ago). I also have experience of dealing with several fires in garages under blocks of flats. These were nowhere near the extent to the event that is unfolding today. However, the concrete behaviour is likely to be similar.

If I can be of some help, please feel free to get in touch with me. If you feel it would be good if I was on site, I can do so.

My mobile number is: [REDACTED]

Kind Regards,

Thiru

A Thiru Moolan BSc(Hons) CEng MICE FRICS | Civil & Structural Engineering Manager

Tel: [REDACTED]

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From: McIver Bob [<mailto:Bob.McIver@haringey.gov.uk>]
Sent: 14 June 2017 09:55

To: Alex Chaplin; Amrik Notta; Andrew Marx ; Bill Welch; Branchett, John; David Batsford; David King; Gordon Roy; Ian Harper; Islington Building Control; James King; Jim Owen; John Downs; John Flynn; John McGeary; Jose Anon ; Julian Ruaux; LBBD; Mike Baker; Naran Pindoria; Nasser Rad; Neil Milligan; Paul Johnson; Paul Stephens; Peter Connell; Richard Patterson; Robert Hunter-Jones; robert.scott@enfield.gov.uk; RoganD@belfastcity.gov.uk; Roger Corbin; Rohail Bhandari; Ron Adams; Sasikandarajah, Ehamparam; Sean Cummins; Stephen Rizzo; Steve Moore; Moolan, A Thiru; Tim Gillooly; Tony Fenton; Tony Mottram; Troy Healy; Vanessa Good
Cc: Anthony Oloyede; Jay Jayaweera; John Allen
Subject: CONFIDENTIAL - Grenfell Tower fire

Good morning All,

Further to the dramatic news that we have all awoken to this morning and the images of Grenfell Tower, I can advise you that John Allen is currently at the scene. Jay from Hammersmith has spoken to John (as did Anthony earlier offering LDSA help and support) asking if he required any help. John advised that at the moment he is on site, but there was nothing that he could do at present, however he did say that the building was built in 1974 and is a reinforced concrete building and if anyone has structural engineers that have direct experience of reinforced concrete behaviour in fire situations, it would be useful to know. There is speculation that collapse may be possible, although it is thought that the building was built under the revised regulations at the time that dealt with progressive collapse, however partial collapse may be possible.

If you should have engineers (or surveyors for that matter) who have experience of rf concrete in fire and/or high rise fires etc, please can you email John Allen (copy both Anthony and myself, as John's emails/phone will be overloaded)?

Thank you

Bob

Bob McIver

Hon. Secretary LDSA

Head of Building Control

Haringey, London

River Park House, 225 High Road, London N22 8HQ


Tel: [REDACTED]

Mob: [REDACTED]

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