






## RE: Grenfell Tower F...

### Email

From

 Chris Mort

To

 Ben Bailey;  Ricky Kay;  Ricky Kay

Cc

Bcc

Date Sent

30/03/2015

Subject

RE: Grenfell Tower Fire Stopping

Regarding

☐ GRENFELL TOWER REGENERATION PROJECT / RH25/RVG

Hi Ben,

I have reviewed the drawings sent over and sketch a proposal to alleviate the issues raised by the BCO, also on the second page of the attachment I have highlighted the weak link so to speak in terms of fire and I think the BCO would have also noticed this.

The proposal requires the installation of RH25g 90/60 product in two layers one at the head of the window aligning with the compartment floor and the other at the top of the existing up stand, therefore two layers of 60 minutes protection that overall would provide if tested over 120 minutes protection, at the window locations.

Please note that without specific details of the overall construction of internal linings and or sight of the Fire Strategy for the project I can only offer the proposal above, and as this is a refurbishment I would imagine that the internal linings will remain insitu and made good to openings only, which does not aid the fire strategy.

At the shearwall locations I cannot see any justification for anything other than a cavity barrier at 30/15 rating, so subject to BCO approval you may be able to down grade in these locations

I hope this helps in resolving the design detail for the compartmentation on this project.

Kind regards


Chris Mort

Technical Officer Fire

M:

DDI:

E:

  
[chris.mort@siderise.com](mailto:chris.mort@siderise.com)



**Siderise Group, Forge Industrial Estate, Maesteg, Bridgend CF34 0AY**

T: [REDACTED] | F: [REDACTED] | W: [www.siderise.com](http://www.siderise.com)

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**From: Ben Bailey** [mailto:[Benbailey@harleycw.co.uk](mailto:Benbailey@harleycw.co.uk)]

**Sent: 30 March 2015 15:16**

**To: Ricky Kay**

**Cc: Chris C. Mort**

**Subject: Re: Grenfell Tower Fire Stopping**

Ricky as discussed the two drawings attached represent section A-A (window head) and B-B (window cill) which can be combined to create C-C, as we don't have a drawn detail to cover what Chris is requesting.

**Best Regards,**

**Ben**



cid:image006.png@01D06B04.C8D30C20

**Ben Bailey** | **Norcar K** | **ecp**

lbenbailey@harleycw.co.uk

Harley Curtain Wall Ltd | Mcttac8. /

bq N p \* Apru' npiief \* C qf Qsqgcv\* RL 4 0HB

[harleycurtainwall.com](http://harleycurtainwall.com)

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**From: Ricky Kay** <[ricky.kay@siderise.com](mailto:ricky.kay@siderise.com)>

Date: Monday, 30 March 2015 15:02

To: 'Simon Lawrence' <slawrence@rydon.co.uk>, "Chris C. Mort" <chris.mort@siderise.com>, Ben

**Bailey** <benbailey@harleycw.co.uk>

**Subject: RE: Grenfell Tower Fire Stopping**

**SIL00000024/3**



**Cc: Sue Sheppard**  
**Subject: RE: Grenfell Tower Fire Stopping**

Simon,

Please be assured that my response will only be sent to Ben of Harley CW as they are our client, and that it will be for them to use our response as required, without berating others.

Kind regards

Chris Mort

Technical Officer Fire

M: [REDACTED]  
DDI: [REDACTED]  
E: [chris.mort@siderise.com](mailto:chris.mort@siderise.com)

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**From:** Simon Lawrence [<mailto:slawrence@rydon.co.uk>]  
**Sent:** 30 March 2015 14:41  
**To:** Ricky Kay; [benbailey@harleycw.co.uk](mailto:benbailey@harleycw.co.uk); Ray Bailey  
**Cc:** [KevinLamb@harleycw.co.uk](mailto:KevinLamb@harleycw.co.uk); [Neil@studioe.co.uk](mailto:Neil@studioe.co.uk); [mark@harleycw.co.uk](mailto:mark@harleycw.co.uk); Simon O'Connor; Sue Sheppard; Chris C. Mort; 'Martin Sexton'  
**Subject:** RE: Grenfell Tower Fire Stopping

Ricky / Ben,

I appreciate that there is a discussion and different points of view regarding the cladding firestopping/cavity barrier regs which we can make. However we need to do this constructively and I'd rather not question the BC Officer (John Hoban) in front of everyone on email. Can you please sort this out in private and respond to myself and Neil if you have a valid argument?

Thanks

**Simon Lawrence, ACIOB, MInstLM**  
Contracts Manager

T: [REDACTED]  
M: [REDACTED]

**From:** Ricky Kay [<mailto:ricky.kay@siderise.com>]  
**Sent:** 30 March 2015 14:32  
**To:** 'John.Hoban@rbkc.gov.uk'; [benbailey@harleycw.co.uk](mailto:benbailey@harleycw.co.uk)  
**Cc:** [KevinLamb@harleycw.co.uk](mailto:KevinLamb@harleycw.co.uk); [Neil@studioe.co.uk](mailto:Neil@studioe.co.uk); [mark@harleycw.co.uk](mailto:mark@harleycw.co.uk); Simon O'Connor;  
Simon Lawrence; [Terry.Ashton@Exova.com](mailto:Terry.Ashton@Exova.com); Sue Sheppard; Chris C. Mort; 'Martin Sexton'  
**Subject:** RE: Grenfell Tower Fire Stopping

All,

Please can somebody forward over a drawing of the build-up of the cladding so that my Technical Officer can evaluate and forward an official response with a SIDERISE product specification.


Many thanks.

Kind regards

Ricky Kay





**National Façades Manager**

**M:** [REDACTED]  
**E:** [ricky.kay@siderise.com](mailto:ricky.kay@siderise.com)

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**From:** John.Hoban@rbkc.gov.uk [<mailto:John.Hoban@rbkc.gov.uk>]  
**Sent:** 30 March 2015 14:22  
**To:** Sue Sheppard; Ricky Kay; [benbailey@harleycw.co.uk](mailto:benbailey@harleycw.co.uk); [KevinLamb@harleycw.co.uk](mailto:KevinLamb@harleycw.co.uk);  
[Neil@studioe.co.uk](mailto:Neil@studioe.co.uk); [mark@harleycw.co.uk](mailto:mark@harleycw.co.uk); [SOConnor@rydon.co.uk](mailto:SOConnor@rydon.co.uk); [slawrence@rydon.co.uk](mailto:slawrence@rydon.co.uk);  
[Terry.Ashton@Exova.com](mailto:Terry.Ashton@Exova.com)  
**Subject:** FW: Grenfell Tower Fire Stopping

Dear All,

The Building Regulations 2010 (as amended)  
Grenfell Tower, Grenfell Road, Refurbishment.

Please find detailed below a copy of an email sent to various persons on the 20<sup>th</sup> of March 2015, concerning the topic relating fire stopping of the compartment floors to the building. I would advise you that it is my interpretation of diagram 33 of Approved Document B is that the detail between compartment floors and external cladding is not a cavity barrier, therefore it must be fire stopped to at least the

standard of the existing compartment floor [120 minutes ]. Therefore the methods described in clause 9.13 would not be appropriate in this particular case

In the meantime should you wish to discuss any other aspects of the project, then please do not hesitate to call me, my direct line contact number is [REDACTED]

Best regards,

John Hoban  
John Hoban  
Senior Building Control Surveyor  
[REDACTED]  
[john.hoban@rbkc.gov.uk](mailto:john.hoban@rbkc.gov.uk)

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**From:** Hoban, John: PC-Plan  
**Sent:** 20 March 2015 13:22  
**To:** 'Neil Crawford'; Hanson, Paul: PC-Plan  
**Cc:** [slawrence@rydon.co.uk](mailto:slawrence@rydon.co.uk); Kevin Lamb ([KevinLamb@harleycw.co.uk](mailto:KevinLamb@harleycw.co.uk)); Simon O'Connor ([SOConnor@rydon.co.uk](mailto:SOConnor@rydon.co.uk)); Jason North ([jnorth@rydon.co.uk](mailto:jnorth@rydon.co.uk))  
**Subject:** RE: Grenfell

Dear Neil,

The Building Regulations 2010 (as amended)  
Grenfell Tower, Grenfell Road, Refurbishment.

Thank you for returning my call this morning.

Further to my conversation with you today, I would confirm that the *fire time* for the new *Elements of Structure* [ new columns, beams, sections of compartment floor etc.] in Grenfell Tower is 120 minutes, as specified in section 1a of Table A2, Appendix A of Approved Document B.

I would also draw your attention to diagram 33 of Approved Document B and highlight the detail between compartment floors and external cladding. In the meantime should you wish to discuss any other aspects of the project Neil, then please do not hesitate to call me, my direct line contact number is [REDACTED].



Best regards,

John Hoban  
John Hoban  
Senior Building Control Surveyor

[john.hoban@rbkc.gov.uk](mailto:john.hoban@rbkc.gov.uk)

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**From:** Neil Crawford [<mailto:Neil@studioe.co.uk>]

**Sent:** 30 March 2015 12:49

**To:** Hoban, John: PC-Plan

**Subject:** RE: Grenfell Tower Fire Barriers

Hi John

Ben Bailey from Harley's is who you might ask for. His phone number is [REDACTED]

Regards  
Neil

---

**From:** Neil Crawford

**Sent:** 27 March 2015 10:53

**To:** [john.hoban@rbkc.gov.uk](mailto:john.hoban@rbkc.gov.uk)

**Cc:** [Terry.Ashton@Exova.com](mailto:Terry.Ashton@Exova.com); [Paul.Hanson@rbkc.gov.uk](mailto:Paul.Hanson@rbkc.gov.uk)

**Subject:** Grenfell Tower Fire Barriers

Hi John

There has been a lot of conversation on site about the cavity fire barrier requirements to be fitted between the existing concrete external wall panels and the new external rain screen aluminium cassettes.

Can you please see the proposal by the cladding contractor below and confirm if this is acceptable to you.

Regards  
Neil


a\_l l m e g c u \_ p l n s q n p \_ q u s p l a c q \_ m a r f c q \_ d e r w \_ l b a n l r d i r q a n d r f g c k \_ g d a y s b g e \_ l w \_ r \_ a f k c l r q f c p u g f \_ g g r f c  
p o r n u t q d g y w n d r f c p a g i g l r m q a \_ l r f c c k \_ g \_ l b \_ l w \_ r \_ a f k c l r q f c p u g f q e l r d p k \_ l g g i s q a n d r e f e

**From:** Ricky Kay <[ricky.kay@siderise.com](mailto:ricky.kay@siderise.com)>  
**Date:** Thursday, 26 March 2015 13:42  
**To:** Ben Bailey <[benbailey@harleycw.co.uk](mailto:benbailey@harleycw.co.uk)>  
**Cc:** Kevin Lamb <[KevinLamb@harleycw.co.uk](mailto:KevinLamb@harleycw.co.uk)>, Mark Stapley >, Sue Sheppard <[sue.sheppard@siderise.com](mailto:sue.sheppard@siderise.com)>  
**Subject:** RE: Grenfell Tower Fire Barriers

Hi Ben,

Apologies for the delay...

Please find below extract from the Approved Document B of the Building Regulations.

 cid:image003.png@01D06AE7.D77AC000

Here you can see that it clearly states that 30 minutes fire integrity and 15 minutes insulation is all that is required from a cavity fire barrier. This is reference to rainscreen cladding applications where the cavity barrier is deemed to be on the outside of the building. Our RH25-90/30 will offer 90 minutes fire integrity and 30 minutes fire insulation, therefore exceeds minimum requirements.


120 minute fire rating is generally the industry standard for curtain wall to concrete slab edge firestopping where the firestop is located on the inside of a building and is considered to be a continuation of the floor slab.


Please get in touch if you need anything else from us to enable you to progress with your order, many thanks

Kind regards

Ricky Kay

**National Façades Manager**





**M:**   
**E:** [ricky.kay@siderise.com](mailto:ricky.kay@siderise.com)

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Enjoy a leisurely cycle through the Royal Borough and raise money for local charities.

Have fun at the post cycle celebration in Holland Park – it's the perfect family event.

Register at <http://www.bikeminded.org/whats-on/>

Are you registered to vote? The deadline to register to vote for the UK Parliamentary election is Monday 20 April 2015.

You can register to vote at <http://www.gov.uk/register tovot e>

\*\*\*\*\*

**The Royal Borough of Kensington and Chelsea.**

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Email Attachments Activity Attachment Associated View			
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<a href="#">image007.png</a>	3,162		
<a href="#">image008.jpg</a>	459		
<a href="#">image009.jpg</a>	345		
<a href="#">image010.jpg</a>	417		
1 - 5 of 8 (0 selected)		Page 1	

#### Details

Owner	 Chris Mort	Priority	Normal
Duration		Category	
Due		Sub-Category	

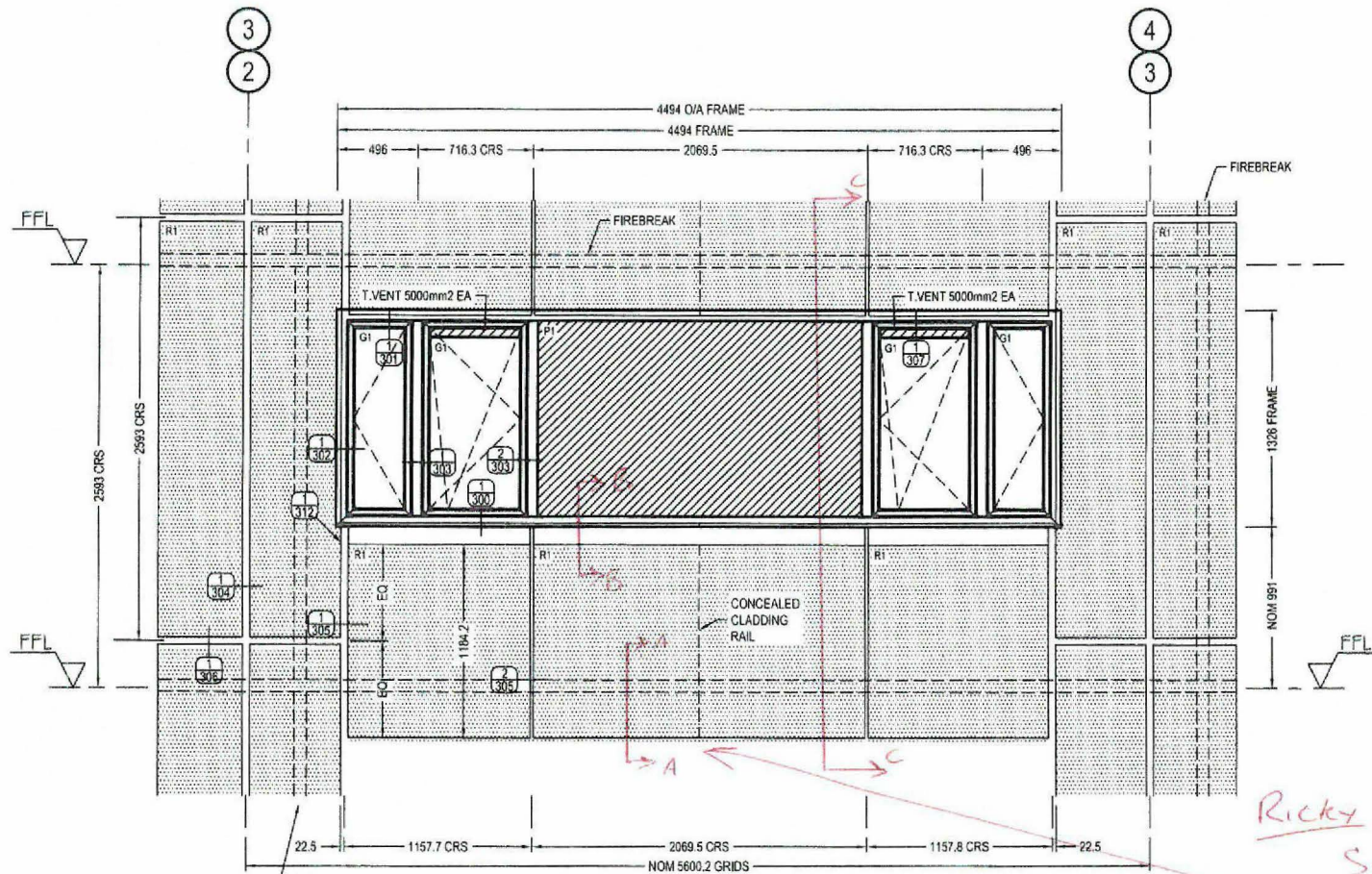
# PERFORMANCE OF MATERIALS, PRODUCTS AND STRUCTURES

**B**

**Table A1 continued**

Part of building	Minimum provisions when tested to the relevant part of BS 476 <sup>m</sup> (minutes)			Minimum provisions when tested to the relevant European standard (minutes) <sup>m</sup>	Method of exposure
	Loadbearing capacity <sup>m</sup>	Integrity	Insulation		
15.Cavity barrier	Not applicable	30	15	E 30 and EI 15	Each side separately





NOTE:  
VERTICAL FIREBREAKS NOT  
REQD ON 4 COLUMNS, IE GRIDS 2  
& 4 (NORTH & SOUTH)

TYPICAL BAY LEVELS 1 TO 20 SOUTH ELEVATION  
160 OFF - TYPE 1

*Ricky*

*SECTIONS NEEDED  
A-A THROUGH CLADDING.  
B-B THROUGH CILL  
C-C TOTAL*

APPROVED FOR  
CONSTRUCTION

FILE 855.

Rev	Date	Notes
C	03.03.15	FIREBREAKS ADDED
B	13.01.15	REDRAWN
A	25.09.14	ACM JOINTS

ELEVATIONS

GRENELL TOWER  
GRENELL RD, LONDON, W11 1TQ

Drawn By: *bd* KVL Date: 22.09.14

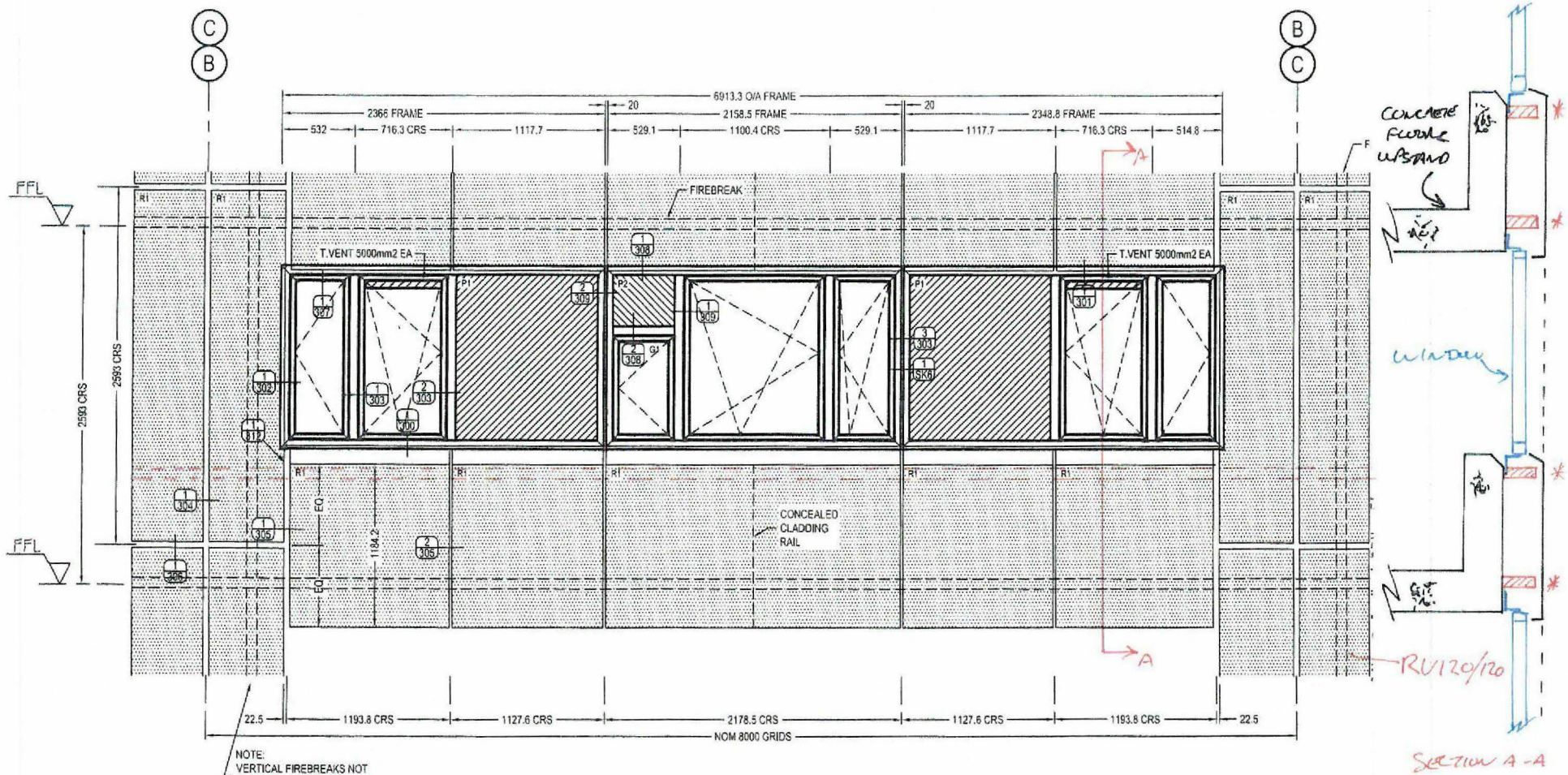
Scale: 1:30@A3

**harley**  
HARLEY HOUSE  
BROOKLANDS PARK  
FARNINGHAM ROAD  
CROWBOROUGH  
EAST SUSSEX  
TN6 2JD  
Tel: [REDACTED]

Drawing No: C1059-202

Rev: C





TYPICAL BAY LEVELS 1 TO 20 EAST & WEST ELEVATION

$$RH\ 256\ 90/60 \times 2 = 180/120$$

TR30032015/HCW 001



