

Ralph Taylor

From: Philip Grice <Philip.Grice@parker-wilson.co.uk>
Sent: 09 June 2021 12:40
To: Matthew Robinson; Nickesh Patel; Alexandra Radu
Cc: Marcus Bunting; Daniel Shaw
Subject: RE: 013-BS- Acoustic Information (21013)

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Matthew,

Unfortunately we seem to have real problems getting full octave band data these days. Nobody publishes it as standard any more and when we ask for it manufacturers seem to react tlike we're the first people to ever ask. All we have at the moment is the noise breakout.

Where we have specified a very similar unit previously we had the noise spectrum for the supply and extract discharge below:

Freq	63Hz	125Hz	250Hz	500Hz	1k	2k
dB	68	78	74	65	60	56
dB	69	79	81	80	77	71

Regards,
Phil Grice

From: Matthew Robinson <matthew.robinson@sandybrown.com>
Sent: 09 June 2021 09:11
To: Philip Grice <Philip.Grice@parker-wilson.co.uk>; Nickesh Patel <np@beechdesignandbuild.co.uk>; Alexandra Radu <alr@beechdesignandbuild.co.uk>
Cc: Marcus Bunting <mdb@beechdesignandbuild.co.uk>; Daniel Shaw <daniel.shaw@sandybrown.com>
Subject: RE: 013-BS- Acoustic Information (21013)

Hi Phil,

Is the SWL 66 dB(A) for the fresh air intake, supply, extract, exhaust or noise breakout? Typically AHU have 5 noise components and we would need to know all of them to assess internal and external noise levels. Additionally, we would need octave band noise levels, in order that we can correctly assess requirements for any in-duct attenuators (or other attenuation measures).

Please give me a call if you want to discuss.

Best regards,
Matt

Matthew Robinson | Associate

68 Sackville Street, Manchester M1 3NJ

T: +44 161 771 2020

M: +44 7885 807 735

E: matthew.robinson@sandybrown.com

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A list of Director's names is available for inspection at 55 Charterhouse Street, London EC1M 6HA, the company's registered office address.

From: Philip Grice <Philip.Grice@parker-wilson.co.uk>

Sent: 08 June 2021 15:33

To: Matthew Robinson <matthew.robinson@sandybrown.com>; Nickesh Patel <np@beechdesignandbuild.co.uk>; Alexandra Radu <alr@beechdesignandbuild.co.uk>

Cc: Marcus Bunting <mdb@beechdesignandbuild.co.uk>; Daniel Shaw <daniel.shaw@sandybrown.com>

Subject: RE: 013-BS- Acoustic Information (21013) [Filed 08 Jun 2021 15:43]

Hi Matthew,

The sound power level for the AHU will be 68dB(A). We would anticipate that some acoustic screening may be required to keep us below background noise levels but this has not currently been designed or specified as far as I am aware.

Roof drawing attached.

Regards,
Phil Grice

From: Matthew Robinson <matthew.robinson@sandybrown.com>

Sent: 08 June 2021 08:32

To: Philip Grice <Philip.Grice@parker-wilson.co.uk>; Nickesh Patel <np@beechdesignandbuild.co.uk>; Alexandra Radu <alr@beechdesignandbuild.co.uk>

Cc: Marcus Bunting <mdb@beechdesignandbuild.co.uk>; Daniel Shaw <daniel.shaw@sandybrown.com>

Subject: RE: 013-BS- Acoustic Information (21013)

Hi Phil,

Thanks for this.

We are assessing external noise egress from plant.

Would it be possible to have the rooftop plant layout, plant noise data (sound power level or sound pressure level at a distance) and details of any proposed attenuation measures or screening.

Best regards,
Matt

Matthew Robinson | Associate

68 Sackville Street, Manchester M1 3NJ

T: +44 161 771 2020

M: +44 7885 807 735

E: matthew.robinson@sandybrown.com

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From: Philip Grice <Philip.Grice@parker-wilson.co.uk>

Sent: 07 June 2021 19:22

To: Nickesh Patel <np@beechdesignandbuild.co.uk>; Matthew Robinson <matthew.robinson@sandybrown.com>; Alexandra Radu <alr@beechdesignandbuild.co.uk>

Cc: Marcus Bunting <mdb@beechdesignandbuild.co.uk>; Daniel Shaw <daniel.shaw@sandybrown.com>

Subject: RE: 013-BS- Acoustic Information (21013)

Matthew,

The ventilation will comprise a roof mounted AHU with vertical supply and extract risers and branch connections at each floor level. Ductwork will run down the corridors and branch off to serve each apartment separately.

Drawings are attached.

Regards,
Phil Grice

From: Nickesh Patel <np@beechdesignandbuild.co.uk>

Sent: 07 June 2021 16:17

To: Matthew Robinson <matthew.robinson@sandybrown.com>; Alexandra Radu <alr@beechdesignandbuild.co.uk>; Philip Grice <Philip.Grice@parker-wilson.co.uk>

Cc: Marcus Bunting <mdb@beechdesignandbuild.co.uk>; Daniel Shaw <daniel.shaw@sandybrown.com>

Subject: RE: 013-BS- Acoustic Information (21013)

Hi Matthew,

I believe you have received some of this information however please find a link to a full set of the information from the architectural side as requested.

<https://we.tl/t-BAZxyE9ofN>

Appreciated,

Nickesh Patel | 0161 694 4947 | 0771 717 3170

From: Matthew Robinson <matthew.robinson@sandybrown.com>

Sent: 07 June 2021 11:08

To: Alexandra Radu <alr@beechdesignandbuild.co.uk>; Phil Grice <philip.grice@parker-wilson.co.uk>; Nickesh Patel <np@beechdesignandbuild.co.uk>

Cc: Marcus Bunting <mdb@beechdesignandbuild.co.uk>; Daniel Shaw <daniel.shaw@sandybrown.com>
Subject: RE: 013-BS- Acoustic Information (21013)

Hi Alexandra,

We haven't received any on the information requested.

Best regards,
Matt

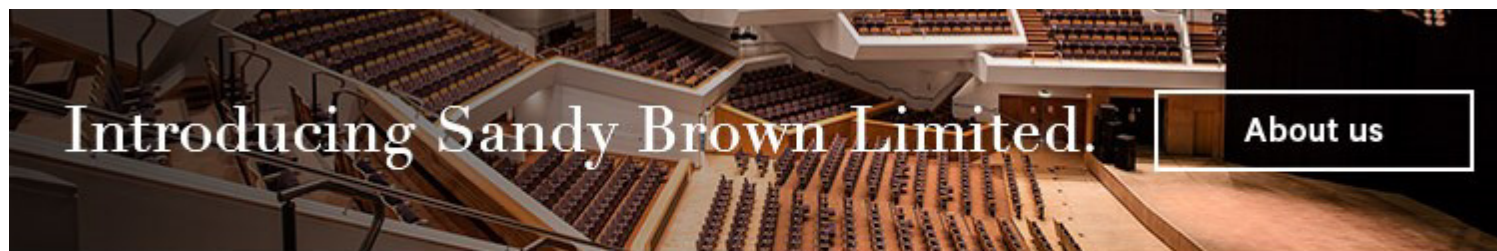
Matthew Robinson | Associate

68 Sackville Street, Manchester M1 3NJ

T: +44 161 771 2020

M: +44 7885 807 735

E: matthew.robinson@sandybrown.com



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From: Alexandra Radu <alr@beechdesignandbuild.co.uk>

Sent: 07 June 2021 10:56

To: Matthew Robinson <matthew.robinson@sandybrown.com>; Phil Grice <philip.grice@parker-wilson.co.uk>;
Nickesh Patel <np@beechdesignandbuild.co.uk>

Cc: Marcus Bunting <mdb@beechdesignandbuild.co.uk>; Daniel Shaw <daniel.shaw@sandybrown.com>

Subject: RE: 013-BS- Acoustic Information (21013) [Filed 07 Jun 2021 10:56]

Good morning gents,

Hope you are well!

Do we have an update on the below?

Matt, have you got all the documents you require?

Phil, how long will the issue of the report take?

Kind regards,
Alex

Alexandra Radu | 07786 494 649 | 0161 222 3850

Construction Project Manager
Beech Design & Build

From: Matthew Robinson <matthew.robinson@sandybrown.com>

Sent: 02 June 2021 09:10

To: Phil Grice <philip.grice@parker-wilson.co.uk>; Nickesh Patel <np@beechdesignandbuild.co.uk>; Alexandra Radu <alr@beechdesignandbuild.co.uk>

Cc: Marcus Bunting <mdb@beechdesignandbuild.co.uk>; Daniel Shaw <daniel.shaw@sandybrown.com>

Subject: RE: 013-BS- Acoustic Information (21013)

Hi Nickesh/Phil,

Here's the attached acoustic planning report – this contains the assessed facade noise levels.

To review the building envelope design and provide a report for planning condition discharge, please could the following be sent across:

- Current layouts, elevations and sections
- Details of the proposed glazing configurations (and any associated datasheets or test data)
- Details of the proposed external wall construction (and any associated datasheets or test data)
- Details of the proposed roof constructions (and any associated datasheets or test data)
- Details of the ventilation strategy.

Please give me a call if you want to discuss.

Best regards,
Matt

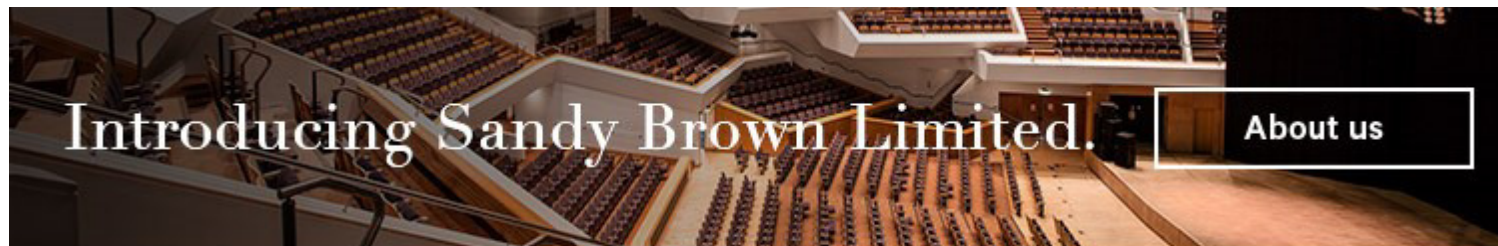
Matthew Robinson | Associate

68 Sackville Street, Manchester M1 3NJ

T: +44 161 771 2020

M: +44 7885 807 735

E: matthew.robinson@sandybrown.com



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From: Philip Grice <Philip.Grice@parker-wilson.co.uk>

Sent: 02 June 2021 08:35

To: Nickesh Patel <np@beechdesignandbuild.co.uk>; Alexandra Radu <alr@beechdesignandbuild.co.uk>; Matthew Robinson <matthew.robinson@sandybrown.com>

Cc: Marcus Bunting <mdb@beechdesignandbuild.co.uk>

Subject: RE: 013-BS- Acoustic Information (21013) [Filed 02 Jun 2021 08:56]

Hi Nickesh,

Have we had a n acoustic report produced for this scheme which tells us the external noise levels?

Regards,
Phil Grice

From: Nickesh Patel <np@beechdesignandbuild.co.uk>

Sent: 01 June 2021 17:27

To: Philip Grice <Philip.Grice@parker-wilson.co.uk>; Alexandra Radu <alr@beechdesignandbuild.co.uk>; Matthew Robinson <matthew.robinson@sandybrown.com>

Cc: Marcus Bunting <mdb@beechdesignandbuild.co.uk>

Subject: FW: 013-BS- Acoustic Information (21013)

Hi Phil,

Are we in a position to provide Matthew with the further information to release condition 5? Please could you release the relevant tender information to Matthew in the first instance also.

"5) Before the development commences a scheme for acoustically insulating and mechanically ventilating the residential accommodation against noise from adjacent roads shall be submitted to and approved in writing by the City Council as local planning authority.

The approved noise insulation scheme shall be completed before any of the dwelling units are occupied. Prior to occupation a post completion report to verify that all of the recommended mitigation measures have been installed and effectively mitigate any potential adverse noise impacts in the residential accommodation shall be submitted and agreed in writing by the City Council as local planning authority. Prior to occupation any non compliance shall be suitably mitigated in accordance with an agreed scheme."

Matthew, can you let us know what further Architectural information is required please?

Alex is now dealing with organising the information for conditions release to send out to PBA, so please feel free to correspond with Alex on these matters.

Appreciated,

Nickesh Patel | 0161 694 4947 | 0771 717 3170

From: Matthew Robinson <matthew.robinson@sandybrown.com>

Sent: 27 April 2021 16:42

To: Phil Grice <philip.grice@parker-wilson.co.uk>; Nickesh Patel <np@beechdesignandbuild.co.uk>

Cc: Marcus Bunting <mdb@beechdesignandbuild.co.uk>; Mark Knowles <Mark.Knowles@parker-wilson.co.uk>;

Amanda Lewin <Amanda.Lewin@parker-wilson.co.uk>; Daniel Shaw <daniel.shaw@sandybrown.com>

Subject: RE: 013-BS- Acoustic Information (21013)

Hi Phil,

Thanks for clarifying.

Best regards,
Matt

Matthew Robinson | Associate

68 Sackville Street, Manchester M1 3NJ

T: +44 161 771 2020

M: +44 7885 807 735

E: matthew.robinson@sandybrown.com

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From: Philip Grice <Philip.Grice@parker-wilson.co.uk>

Sent: 27 April 2021 16:18

To: Matthew Robinson <matthew.robinson@sandybrown.com>; Nickesh Patel <np@beechdesignandbuild.co.uk>

Cc: Marcus Bunting <mdb@beechdesignandbuild.co.uk>; Mark Knowles <Mark.Knowles@parker-wilson.co.uk>;

Amanda Lewin <Amanda.Lewin@parker-wilson.co.uk>; Daniel Shaw <daniel.shaw@sandybrown.com>

Subject: RE: 013-BS- Acoustic Information (21013) [Filed 27 Apr 2021 16:38]

Matt,

Please see my notes in red below.

Regards,
Phil Grice

From: Matthew Robinson <matthew.robinson@sandybrown.com>

Sent: 27 April 2021 15:29

To: Philip Grice <Philip.Grice@parker-wilson.co.uk>; Nickesh Patel <np@beechdesignandbuild.co.uk>

Cc: Marcus Bunting <mdb@beechdesignandbuild.co.uk>; Mark Knowles <Mark.Knowles@parker-wilson.co.uk>;

Amanda Lewin <Amanda.Lewin@parker-wilson.co.uk>; Daniel Shaw <daniel.shaw@sandybrown.com>

Subject: RE: 013-BS- Acoustic Information (21013)

Hi Philip,

Thanks for this.

A few questions:

- Are all plant items to operate 24/7?

Yes, this will all run 24/7 at fixed speed.

- Is octave band noise data available for the AHU? – this will enable us better determine appropriate attenuation measures.

We have requested this info from the manufacturer as they do not provide it as part of the standard product data.

- Are there any MVHR units to apartments? If so we would need noise data for these as well.

There are no MVHR units. Ventilation is centralised.

Nickesh,

If drawings showing the plant locations (and any rooftop screening) are available, we can get started with the assessment to discharge the planning condition.

Best regards,
Matt

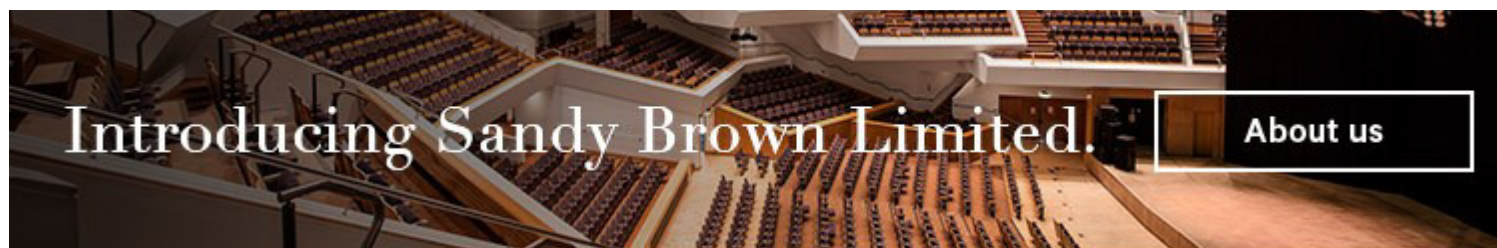
Matthew Robinson | Associate

68 Sackville Street, Manchester M1 3NJ

T: +44 161 771 2020

M: +44 7885 807 735

E: matthew.robinson@sandybrown.com



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From: Philip Grice <Philip.Grice@parker-wilson.co.uk>

Sent: 27 April 2021 13:10

To: Nickesh Patel <np@beechdesignandbuild.co.uk>

Cc: Marcus Bunting <mdb@beechdesignandbuild.co.uk>; Matthew Robinson

<matthew.robinson@sandybrown.com>; Mark Knowles <Mark.Knowles@parker-wilson.co.uk>; Amanda Lewin

<Amanda.Lewin@parker-wilson.co.uk>

Subject: RE: 013-BS- Acoustic Information (21013)

Nickesh,

The AHUs on the roof will be the main noise generating externally mounted/terminating M&E kit.

We're looking at alternative suppliers at the moment as the units we got selections for at tender weigh 1,250kg. Noise data (worst case) for the selected unit is as follows:

CL 30	Suction side	5,800 m³/h	76 dB(A)	76 dB(A)
	Discharge side		88 dB(A)	88 dB(A)
	On external side of fan casing		60 dB(A)	60 dB(A)

On the basis of this I'm assuming we will need to provide suction and discharge attenuation and also enclose the unit to some degree to provide some additional attenuation. If the acousticians can advise what we need to achieve we can finalise the performance requirements for this.

The other equipment will be smaller fans serving the laundry room and bin store. These are 33dB(A) at 3m, so we would not normally expect to need to treat these.

Regards,
Phil Grice

From: Nickesh Patel <np@beechdesignandbuild.co.uk>

Sent: 14 April 2021 14:53

To: Philip Grice <Philip.Grice@parker-wilson.co.uk>

Cc: Marcus Bunting <mdb@beechdesignandbuild.co.uk>; Matthew Robinson

<matthew.robinson@sandybrown.com>; Mark Knowles <Mark.Knowles@parker-wilson.co.uk>; Amanda Lewin

<Amanda.Lewin@parker-wilson.co.uk>

Subject: RE: 013-BS- Acoustic Information (21013)

Hi Phil,

Can you answer the appropriate queries in the below from our acoustic consultant, **highlighted** for your reference.

Appreciated,

Nickesh Patel | 0161 694 4947 | 0771 717 3170

From: Matthew Robinson <matthew.robinson@sandybrown.com>

Sent: 01 April 2021 15:34

To: Nickesh Patel <np@beechdesignandbuild.co.uk>

Cc: Marcus Bunting <mdb@beechdesignandbuild.co.uk>

Subject: RE: 013-BS- Acoustic Information (21013)

Hi Nickesh,

Further to our earlier conversation, we will require the following information to discharge the planning condition related to external plant noise egress:

- Noise data (sound pressure levels measured at a specific distance, or sound power levels) for the proposed plant (all external plant and any plant with atmospheric terminations)
- Details of any proposed attenuation measures (eg, screening, attenuators, etc)
- Scaled drawings showing the plant locations in relation to the surroundings
- Details of the proposed plant operational hours and conditions.

Best regards,

Matt

Matthew Robinson | Associate

68 Sackville Street, Manchester M1 3NJ

T: +44 161 771 2020

M: +44 7885 807 735

E: matthew.robinson@sandybrown.com



The Grand Hotel
Birmingham

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From: Matthew Robinson

Sent: 01 April 2021 10:34

To: Nickesh Patel <np@beechdesignandbuild.co.uk>

Cc: Marcus Bunting <mdb@beechdesignandbuild.co.uk>

Subject: RE: 013-BS- Acoustic Information (21013) [Filed 01 Apr 2021 10:34]

Hi Nickesh,

Here's the planning report to discuss.

Best regards
Matt

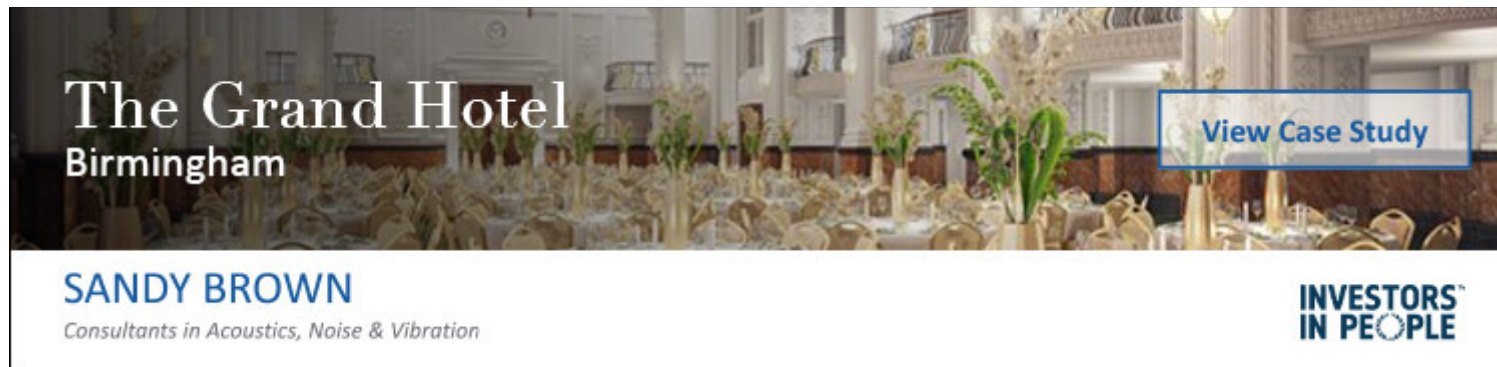
Matthew Robinson | Associate

68 Sackville Street, Manchester M1 3NJ

T: +44 161 771 2020

M: +44 7885 807 735

E: matthew.robinson@sandybrown.com



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From: Matthew Robinson
Sent: 01 April 2021 10:13
To: Nickesh Patel <np@beechdesignandbuild.co.uk>
Cc: Marcus Bunting <mdb@beechdesignandbuild.co.uk>
Subject: RE: 013-BS- Acoustic Information (21013) [Filed 01 Apr 2021 10:14]

Hi Nickesh,

Thanks for sending this through, I tried to call to discuss, but couldn't get through.

For the floor constructions, I would want to review the drawings showing the entire proposed floor build-ups before commenting on the suitability of specific products (this is in order to check the required performances can be achieved by the entire floor build-up proposed). Also I would like to review the proposed partition build-ups so we can advise on those and interface detailing between the floors and partitions. Please can this information be sent across?

Regarding the curtain walling specification, our scope is the review the building envelope design and provide a report for planning condition discharge. To do this please could the following be sent across:

- Current layouts, elevations and sections
- Details of the proposed glazing configurations (and any associated datasheets or test data)
- Details of the proposed external wall construction (and any associated datasheets or test data)
- Details of the proposed roof constructions (and any associated datasheets or test data)
- Details of the ventilation strategy.

There would be a risk in tendering a design prior to carrying out this review.
Please give me a call if you want to discuss.

Best regards,
Matt

Matthew Robinson | Associate

68 Sackville Street, Manchester M1 3NJ

T: +44 161 771 2020

M: +44 7885 807 735

E: matthew.robinson@sandybrown.com



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From: Nickesh Patel <np@beechdesignandbuild.co.uk>
Sent: 31 March 2021 18:09
To: Matthew Robinson <matthew.robinson@sandybrown.com>
Cc: Marcus Bunting <mdb@beechdesignandbuild.co.uk>
Subject: 013-BS- Acoustic Information [Filed 01 Apr 2021 09:18]

Hi Matthew,

I trust you're well.

Following on from further detailed design please see attached our proposed floor construction for your review and comment. Please feel free to call to discuss if required.

Can you also confirm the acoustic performance of the curtain walling to the 5th floor extension of Bloom Street building please as well as secondary glazing to the existing window openings. If you could do this as soon as possible please as we would like to send out some information for tender tomorrow.

Appreciated,



Nickesh Patel BSc (Hons) MCIAT
Project Architectural Technologist
07717 173170 | 0161 694 4947
np@beechdesignandbuild.co.uk

Beech Design & Build

Bridgewater House, 58-60 Whitworth Street, Manchester, M1 6LT | beechdesignandbuild.co.uk | 0161 222 3850

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