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**From:** Peter Maddison  
**Sent:** 01 October 2013 08:15  
**To:** Bruce Sounes  
**Cc:** David Gibson; Claire Williams  
**Subject:** Re: Grenfell Tower Overcladding - Meeting with Harley Curtain Wall

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**Categories:** 1279 Grenfell

Hi Bruce

Thanks for this.

Did he give a similar estimate of an Aluminium solution?

Peter

Director of Assets and Regeneration

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**From:** Bruce Sounes [<mailto:bruce@studioe.co.uk>]  
**Sent:** Friday, September 27, 2013 02:11 PM  
**To:** BOOTH Philip <[philip.booth@uk.arteliagroup.com](mailto:philip.booth@uk.arteliagroup.com)>; Peter Maddison; David Gibson; Claire Williams; Grenfell <[Grenfell@studioe.co.uk](mailto:Grenfell@studioe.co.uk)>; Chweecheen Lim <[Chweecheen.Lim@appleyards.co.uk](mailto:Chweecheen.Lim@appleyards.co.uk)>; [M.Smith@maxfordham.com](mailto:M.Smith@maxfordham.com) <[M.Smith@maxfordham.com](mailto:M.Smith@maxfordham.com)>; [d.campbell@maxfordham.com](mailto:d.campbell@maxfordham.com) <[d.campbell@maxfordham.com](mailto:d.campbell@maxfordham.com)>  
**Subject:** Grenfell Tower Overcladding - Meeting with Harley Curtain Wall

Dear All

We met with Harley Curtain Wall this morning to discuss the project. They are very keen and have been tracking the project for some time. They are specialists in this type of project: <http://www.harleycurtainwall.com/>. They pointed to Ferrier Point as a being very similar to Grenfell, although it is triple glazed and super insulated. We had forwarded them sample details and the elevation measure beforehand.

1. Their "back of a fag-packet" budget, based on the areas is "around £3m", of which would include ~ £250k for the mast climbers and zinc rainscreen cassettes. This equates to 18% over our Stage D budget of £2.3m (assuming access costs fall under Preliminaries).
2. Their recurring experience is that budgets force clients to adopt the cheapest cladding option: Aluminium Composite Material (ACM), face-fixed. We have offered to forward a more detailed take-off so they can provide a more accurate budget. A Zinc Composite Panel is also available which is cheaper to install than a cassette.
3. Estimate period for cladding: 16 weeks design and fabrication, 4-6 weeks erection of mast climbers. 30-35 weeks cladding. Strongly recommend against scaffolding.

4. The typical strategy is to install the unglazed windows and cladding first and remove the existing windows and finish off from the inside at a later date. The priority being to decouple the phasing of work to minimise the impact of delays, and keep the cost of mast climbers to a minimum.
5. In previous projects the existing window frames are cut back and left in place to minimise making good internally. This means losing daylight and vent area. We are currently showing the windows bigger than existing, therefore requiring work internally which would need to be covered in the £3,200 allowance per flat for minor refurbishment.
6. Their health and safety would require that the windows openings are made safe from falling objects during cladding. Typically a 100mm restriction –we know may be problematic with residents in the summer.
7. We discussed special drilling to minimize noise – diamond coring – but this is prohibitively expensive. SDS drills are typically used.
8. He mentioned the Ferrier Point project being showcased with YouTube videos, before and after, virtual tours etc. Would the TMO be interested in doing something like this?

We have also approached Paneltec who are preparing budget costs.

Regards

**Bruce Sounes**

For and on behalf of  
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