

Subject: FW: Albert Street - Audit
Date: Monday, 23 January 2017 at 17:56:39 Greenwich Mean Time
From: Camille Corvec
To: GrahamKite@campbellreith.com
CC: James Barrett, philip lewis, Derek Baker
Attachments: image001.jpg, image002.jpg

Graham,

Following your phone call we would comment as follows:

-The party wall on gridline 1/A-D will have a high degree of vertical fixity provided by the existing return walls at each end. In addition to this, the beams on grid line B will also offer a prop at the top of the wall midway along its length. Therefore, whilst being a cantilever, we would suggest that the wall will also span horizontally and not require any further propping at its head.

-The wall on gridline 1-3/A-D is 3 metres long and will benefit of the same vertical fixity at both ends as provided on the party wall. It will also receive lateral support from the in situ RC stairs in the garden.

-The full perimeter of the rear extension and the terrace will be tied together and restrained at upper ground floor level by the use of 850mm long galvanised steel straps at 1200mm centres. The timber joists of the terrace will be ply lined to offer further stiffness.

If you are still of the opinion that the guidelines assesses that the timber floors are not sufficient in this case to provide full stiffness of the walls, we would consider a RC slab to avoid falling in category 3.

Please let us have you comments.

Kind regards,

Camille Corvec
Structural Engineer



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