

# JAMES FRITH LTD

Consulting Civil and Structural Engineers

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6<sup>th</sup> November 2015

Daniela Campbell  
MRJ Rundell & Associates Ltd  
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290-294 Latimer Road  
London  
W10 6QW

**Our Ref:** 0111/L01  
**Your Ref:**

Dear Daniela,

## **Ref: 15 Fitzroy Sq – New Lift Structure**

Please find enclosed proposed drawing 0111-002\_A showing the layout of the lift shaft supporting structure. This will be installed at Ground Floor level.

The lift base will be formed using proprietary metal decking composite concrete slab which will span between new steel beams within the floor joists depth. The new steel beams will span parallel to the existing joists onto padstones on existing masonry walls.

The extent of alteration to the existing fabric will be limited to trimming of 2-3 no floor joists at the lift pit location and to the joists above where the lift shaft penetrates through each floor. Where the new steel beams bear onto existing walls new concrete padstones will be introduced to spread the load. All this work can be achieved at Ground Floor level by removing the floor finishes. The ceiling in the property below is suspended below the floor joists therefore this will not need to be removed to facilitate the works. Access will be required to the property below to confirm wall layouts and openings to ensure the steel beams are located on solid walls.

The net additional load imposed on the existing walls is low and will not exceed allowable bearing pressures at foundation level.

I trust this meets with you approval but should you have any queries please contact me.

Yours sincerely,



**James Frith** MEng(Hons) CEng MIStructE FGS  
Director



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