

Laura Hazelton
Development Management
Regeneration and Planning
London Borough of Camden
Town Hall
Judd Street
London, WC1H 9JE
United Kingdom

For the attention of Laura Hazelton

5th March 2021

Space House – Structural Statement for Minor Material Amendments to Planning Permission (ref: 2019/2773/P) and Listed Building Consent (ref: 2019/2790/L)

Laura,

We have produced this structural statement to support the section 73 and section 19 applications in respect of the listed building consent and planning application approval for Space House project (refs: 2019/2773/P and 2019/2790/L).

As part of a structural due diligence check, it was discovered that the existing reinforced concrete transfer slab, at the north end of the Tower at 1st floor level, had less structural capacity than we expected, given our understanding of the loadings that the building was originally designed for according to the original archive structural calculations.

This transfer slab is supporting the existing reinforced concrete columns from 1st floor up to roof level, which carry part of the existing slabs at each level. Additional floors approved under existing planning consent increase the load on existing columns and therefore the transfer slab. Further QA checks carried out during RIBA Design Stages 3 & 4 reveal strengthening of the transfer slab is now necessary.

Our proposal for strengthening is to add new reinforced concrete walls adjacent to the northern internal columns at 1st floor level, which will enable any additional loads to be transferred directly to the columns below the 1st floor slab, rather than loading the slab itself. This solution was chosen as it provides the required level of structural integrity but with minimal intervention to the existing building fabric.

The strengthening works proposed will ensure that the structural integrity of the listed building will be secured.

Cont'd...

Offices at: London, Birmingham, Bishop's Stortford, Croydon, Exeter, Leamington Spa, Leeds, Luton, Manchester, Nottingham, Stockport, Sunderland, Wakefield, India, Iraq, Manila, Qatar, Romania, UAE

Pell Frischmann is the trading name of Pell Frischmann Consulting Engineers Ltd and Pell Frischmann Consultants Ltd

Registered Office:
5 Manchester Square London W1U 3PD
Pell Frischmann Consulting Engineers Ltd
Registered in England No. 04403030
Pell Frischmann Consultants Ltd
Registered in England No. 1777946



FS68994
ISO9001:2015



OHS500940
OHSAS18001:2007



EMS80008
ISO14001:2015



ABMS622533
BS10500:2011



UTILITIES VERIFICATION & ASSESSMENT SCHEME



Form ref: BF150/M

Page 2

Yours sincerely/faithfully
On behalf of **Pell Frischmann**

A handwritten signature in black ink that reads "L Riddoch". The signature is written in a cursive, slightly slanted style.

Luke Riddoch
Senior Structural Engineer

Enc.
cc. Juliano Chapon – Associate