

17 July 2017

151405

Chris Gaffney  
135 King Street  
Sydney NSW 2000

Attention: Chris Gaffney

## UNSW - SEB

### Ground Floor Mezzanine - Structural statement

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Dear Chris,

The proposed mezzanine between ground and level one above the dangerous goods store generally comprises;

- Bondek concrete slab supported on steel beams over the central corridor between GL G&H. Steel beams to be connected directly to the concrete columns.
- Lightweight floor of cold form joists supported on steel beams on load bearing blockwork between GL H&I and connected directly to the concrete columns.
- Load bearing blockwork to be located on the band beams at ground level.
- A fire rated ceiling is to be provided below the lightweight floor to the extent determined by the fire engineer. Fire rating to the steelwork below the bondek slab in accordance with fire engineers requirements.
- Floor design loads;
  - SDL – 1.0 kPa to the concrete floor, 2.4 kPa in the lightweight region
  - LL – 5kPa (except for compactus areas – LL = 6kPa)

Should you require anything further please contact the undersigned.

Yours faithfully

**TAYLOR THOMSON WHITTING (NSW) PTY LTD**

**Richard Milsted**  
Associate Director

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