



May 22, 2018

Studworks Profile Systems Pty Ltd  
Attn: James Morison  
45 Osborne Avenue,  
Springvale, Victoria, 3171

## **RE: STUDWORKS SUSPENDED CEILING SYSTEM & STUDWORKS NON-LOADBEARING WALL SYSTEMS**

Dear James:

I write with regard to my Reports ACA-170607 170725 of 25<sup>th</sup> July 2017 and ACA-170112 170711 of 11<sup>th</sup> July 2017, relating to the testing and analysis of Studworks Suspended Ceiling System and Non-Loadbearing Wall Systems. The following is a summary of the relevant standards addressed.

Studworks Suspended Ceiling System load-span tables accounting for Ultimate Limit State (ULS) strength, and Serviceability Limit State (SLS) deflection behaviours are derived in accordance with:

- AS/NZS 2785 Dead loads for Australian conditions (Cl.3.3.5 & Cl.3.4.3) and Section 5 testing requirements, analysed in accordance with AS/NZS 1170.0 App. B.
- AS/NZS 1170.0 Combinations of actions
- AS/NZS 1170.1 Dead and live loads
- AS/NZS 1170.2, AS 4055 Internal wind loads to ceilings
- AS 3623 Serviceability Limit State deflection limits
- AS/NZS 2785
- AS 1391 Material property tensile testing

Studworks Non-Loadbearing Wall Systems have been assessed for FRL performance based on their geometric properties, material properties and installation instructions. Walls have been analysed in accordance with:

- AS/NZS 4600 for strength
- AS/NZS 1170.0 Combinations of actions
- NCC 2016 BCA Volume 1 Specification C1.8 deflection limits for static loading
- AS/NZS 1170.2 Ultimate and Serviceability pressures
- AS 1391 Metallic Materials – Tensile Testing at Ambient Temperature.
- NCC 2016 BCA Vol.1 Specification A2.3 Fire resistance of building elements.

Yours faithfully,

CAMERON CHICK BE(HONS), PH.D, GC.COM.(MKTG), M.AIRAH, RPEQ  
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