

5 September 2017

QB199-01F01 Rehaus Letter (r2)

Blair Kelly  
Rehaus Pty Ltd  
Suite 1.02, Level 1, Quad 1,  
8 Parkview Drive, Sydney Olympic Park NSW 2127

Dear Blair,

## Rehaus Piping System & NCC Compliance - Letter of Certification

Renzo Tonin & Associates Pty Ltd were previously engaged by Rehaus to prepare a report investigating piping systems that satisfy the acoustic requirements of the Building Code of Australia (BCA) [now identified as National Construction Code or NCC]. The report [Reference: TF126-02F04 (r0) dated 29 August 2012] investigated and developed forms of constructions incorporating the RAUPIANO PLUS pipework with various plasterboard ceiling constructions to achieve  $R_w+C_{tr}$  40 and  $R_w+C_{tr}$  25 without any reliance on acoustic lagging.

These forms of constructions were then tested in August 2011 at the National Acoustical Laboratories, Chatswood NSW (note a NATA certified laboratory at that time) for validation of their acoustic performance.

Based on the testing and our report we offer the following information:

- The calculated  $R_w+C_{tr}$  values were produced in accordance with AS/NZS ISO 717.1:2004 Acoustics - Rating of sound insulation in buildings and of building elements - Airborne sound insulation;
- As mentioned in the report, we conclude that the acoustic performance of the RAUPIANO Plus pipework in a system with 1 layer of 13mm standard plasterboard and acoustic insulation is equivalent to PVC pipework lagged with Pyrotek 4525C in a system with 1 layer of 13mm standard plasterboard and acoustic insulation, and;
- We certify the form of construction comprising of RAUPIANO Plus with standard 13mm standard plasterboard and standard R1.5, 75mm thick glasswool insulation, meets the deemed-to-satisfy provisions in Part F5.6 of the National Construction Code (NCC) [incorporating the Building Code of Australia (BCA)].

We trust the above meets your needs, and if you have any questions please do not hesitate to call us.

Regards,

A handwritten signature in black ink, appearing to be 'Paul Johnson', with a long horizontal stroke extending to the right.

**Paul Johnson**

State Manager (QLD)

Paul.Johnson@renzotonin.com.au