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FINESSE WA Pty Ltd
59c Burwood Road
Balcatta, WA 6021
Internal Stairs Steel Structure
Structural Certificate

Date: 28 March 2015

"TO WHOM IT MAY CONCERN"

Finesse WA Pty Ltd asked BRP Constructions Pty Ltd to check new design stairs according to Finesse WA P/L architectural drawings which are attached in Appendix A to this structural certificate.

The purpose of structural design was to check structural capacity and stability including axial forces in supporting stairs structure connected to top floor RC concrete structure by wires or timber floor/beam structure (depends from application).Stairs treads are supporting on brick wall in one side and by wires on other side of treads. Full details of structural design member sizes structure are included in structural calculations and drawings details in certificate attached in Appendix A to this Structural Certificate.

Structural design was completed using Space Gass Structural design Engineering Software Version 11.05. and Current Australian Standards:

1.AS/NZS 1170.0:2002-Structural design action - Part 0: General principles.
2.AS/NZS 1170.1:2002-Structural design action - Part 1: Permanent, imposed and other actions.
3.AS 4100-Steel Structure.
4.AS 3700 Masonry Code.
5.AS 3600-Concrete Structure.
6. AS 1720.1-1988 SAA Timber Structure Code.
and other relevant Australian Standard. All Australian Standards with latest revisions.

Accordingly, we hereby certify that design steel stair structure according to drawings by Finesse WA Pty Ltd and our structural design/check (as specified in Appendix A-Structural Calculations Report dated 28/03/15-Design Documentation pages 1-32) will be structurally adequate under normal domestic service conditions and will not adversely affect the building structure. Appendix A is part of this Structural Certificate.

Yours faithfully

Richard Pawlowski
Chartered Structural and Civil Engineer
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