



IAN BENNIE & ASSOCIATES PTY. LTD.
Building Performance Testing

ACN : 007 133 253



Registered
 Laboratory
 No. 2371

TEST REPORT NUMBER 2019-104-S2

SUMMARY

Test Client: Gallina & THECA Australia
 Corso Galileo Ferraris 104-10040 La Loggia

Sample

Identification: An ArcoWall 5613 test specimen, 3.77 m in height x 2.5 m in width was installed into a rigid steel perimeter frame by the client.

Material details are as follows

Perimeter frame: 4802 and 4803 sections
 Gaskets: 1169B and 1382

The sample was originally configured with supporting horizontal members spaced 2600 mm apart for the initial preload and the water penetration test. For the final structural test the Client nominated to reduce the separation to 1800 mm to reduce deflection. The sample drawings show this final sample condition. Photo 1 shows the sample in its original condition and Photo 2 with the separation reduced.

Final sample information received: 13 January 2020.

Test Method: Structural SLS, Air Infiltration, Water Penetration and Structural ULS test procedures and performance requirements in accordance with Australian Standard AS/NZS 4284:2008, Testing of building facades. As the tests were taken out of sequence, with the water penetration and air infiltration first, the preloads were increased to 2 minutes in accordance with Para 8.1.2.

Nominated serviceability limit state pressures: ±1.32 kPa

Nominated ultimate limit state pressures: Initial test: ±1.78 kPa

Test Location: Ian Bennie & Associates **Sample Installed:** 19th December 2019
 Dandenong South, Victoria **Test Date(s):** 20th & 23rd December 2019

Conclusions: Complete details of all tests conducted and results are given in the body of this report. The sample passed the default test requirements.

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Ian Bennie 14 January 2020
 Authorised Signatory

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