



Stantec Australia Pty Ltd

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07.03.23

Enquiries: Sebastian Roache
Project No: 29212

Built Construction
Level 4 / 185 Clarence Street
Sydney NSW 2000

Attention: Jamel Sadiki

Dear Jamel

Re: DPE Request for Response to Submissions (SSD-7484-Mod-18)

Stantec have prepared this letter as a consolidated status of the fire engineering, fire testing, fire assessment and associated analysis completed to verify the Department of Lands fire safety strategy. See Table 1 attached to this letter for a summary of the above.

The extensive fire engineering, fire testing, fire assessment and analysis was undertaken to ensure the designs of the specific systems for Lands are:

- in accordance with tested and certified arrangements, including assumptions and limitations, and
- are within the field of application of the tests and or fire assessments.

Yours sincerely

Stantec Australia Pty Ltd

Sebastian Roache
Fire Engineer

Stantec Australia Pty Ltd

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Table 1: Summary of Performance-based FRLs and associated Fire Testing

NCC Class	NCC FRL	FEBQ (PS01 Rationalised FRL)	Heritage Ceiling Element	Test Cert. / Assessment Comparable to Existing Conditions (Lands)	Fire Test completed	Structural Fire Assessment Completed	Test Outcome (As at 27/02/23)	Actual FRL achieved in Test/ Assessment	Certifiable FRL (Test Cert. Or Assessment)
Class 6 (Retail)	180/180/180	90/90/90	Timber Lath & Plaster	No	Yes (Test 1a)	Insulation & Integrity Failed. Structural Assessment Aborted	FAILED	60 minutes	60/60/60
			Metal (EMF) Lath & Plaster	No	Yes (Test 3)	Insulation & Integrity Failed. Structural Assessment Aborted	FAILED	19 minutes	00/00/00
			Coke Breeze Arch (Corridors LGF & GF - S)	No	Yes (Test 2)	Insulation & Integrity Failed. Structural Assessment Aborted.	FAILED	61 minutes	60/60/60
Class 9b (Commercial)	120/120/120	60/60/60	Timber Lath & Plaster	Yes	Yes (Test 1a) – Validated Test Cert / Assessment Satisfactory.	Not Required – Test Cert / Assessment Satisfactory.	Not Required – Test Cert / Assessment Satisfactory.	60 minutes	60/60/60
			Metal (EMF) Lath & Plaster	No	Yes (Test 3)	Insulation & Integrity Failed. Structural Assessment Aborted	FAILED	19 minutes	00/00/00
			Coke Breeze Arch (Level 2 Ceiling)	No	Yes (Test 2)	Yes (subject to final reporting)	PASSED (subject to final reporting)	61 minutes	60/60/60
			Coke Breeze Arch (Corridors GF-N & L01)	No	Yes (Test 2)	Yes (subject to final reporting)	PASSED (subject to final reporting)	61 minutes	60/60/60

Design with community in mind