



Stantec Australia Pty Ltd
Level 9, The Forum, 203 Pacific Highway
Sydney NSW 2065
Tel: +61 2 9496 7700
ABN 17 007 820 322 www.stantec.com

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: CoS Preliminary Advice on MOD18 with respect to the FRL of Retail Corridors

Stantec are in receipt of the below advice received from City of Sydney in response to MOD 18 on 07/02/23.

The vault containing the significant Lyon and Cottier painted tiled Coat of Arms is to be retained to preserve the artwork. A fire insulation option that enables its retention is to be adopted.

The suggestion to retain the Lyon and Cottier painted tiled Coat of Arms would also require retention of a portion of the lower ground coke breeze arch ceiling.

Please see below assessment:

- This corridor (and ceiling) is a Class 6 retail area and via the assessment proposed in the Lands FEBQ Performance Solution 01 (Rationalisation of FRLs) the FRL has been reduced from 180/180/180 to 90/90/90.
- A section of the coke breeze arch ceiling was extracted from site, treated with an intumescent coating and a fire resistance test was completed in accordance with AS1530.4:2014. The test was completed at the Warrington Fire testing facility in Dandenong South Victoria.
- The test failed the 90/90/90 FRL criterion. As such the lower ground coke breeze arch ceiling does not meet the performance requirements of the assessment proposed in the Lands FEBQ Performance Solution 01 (Rationalisation of FRLs).

Stantec are also in receipt of the below advice received from Heritage NSW in response to MOD 18 on 08/02/23.

The proposal to temporarily remove the Lyon and Cottier Coat of Arms is appropriate. However, it is recommended that the Coat of Arms be carefully removed and stored in its entirety including the more recent restoration works that reinstated lost tiles.

Stantec note the above HNSW advice enables a compliant fire rated system to be built in place of the coke breeze arch ceiling, therefore requiring the salvage and reinstatement of the Lyon and Cottier Coat of Arms. This would meet the performance requirements of the assessment proposed in the Lands FEBQ Performance Solution 01 (Rationalisation of FRLs). Stantec support the adoption of the HNSW commentary.

Yours sincerely

Stantec Australia Pty Ltd

Sebastian Roache
Fire Engineer

Design with community in mind