

# APPENDIX DD FIRE ENGINEERING STATEMENT

Arup





Your ref Powerhouse Paramatta  
Our ref 273467-00  
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Issued Via Email Only

22 April 2020

Dear Tom Kennedy

Powerhouse, Parramatta  
Fire Engineering SSDA Letter

This letter concerns the fire safety design of the proposed new Powerhouse Museum in Parramatta and specifically those aspects of the fire safety design that impact upon planning.

The fire safety design of the new Powerhouse Museum will satisfy the Performance Requirements of the Building Code of Australia (BCA). As a large, complex building this will be done by a combination of fire engineering Performance Solutions and compliance with Deemed-to-Satisfy (DTS) Provisions.

The fire safety design of the building will be thoroughly developed to meet the Building Code of Australia through the process set out in the International Fire Engineering Guidelines. The design will include a mixture of prescriptive and performance based safety systems including mechanical and/or natural smoke exhaust, automatic suppression systems, automatic detection and alarm systems, performance based fire separation, and performance based structural fire ratings.

Based on our review of the plans which are being submitted as part of the SSDA, as well as meetings with iNSW and Powerhouse to understand the ultimate building goals, it is considered that compliance with the BCA Fire Safety Performance Requirements will be achievable. It is therefore considered that there are no significant fire safety design issues that would prevent the issuing of a Development Approval for the project.

Yours faithfully



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