



# Consultant Advice

From:	Kevin Boyle	Date:	31 Mar. 15	File No:	S25186\209\FE\21\ca150329s0002	Pages:	2
Project:	University of Sydney - G02 Jane Foss Russell Building					No:	FE001[1.0]
	Attention	Company	Email				
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## Fire Engineering - Support for Development Application

The purpose of this CAN is to confirm that Norman Disney & Young (NDY) have undertaken a preliminary review of the proposed works on Levels 3-4 & 6-7 of the Jan Foss Russell building and the associated drawings, to determine if compliance with the base building Fire Engineering Report (FER) is achievable.

We understand the project involves a new fitout to certain areas on Levels 3-4 & 6-7 including the following but not limited to:

- New in person service facilities and office facilities on Level 3;
- New contact centre and admin centre on Level 4;
- New open plan office to a portion of Level 6; and
- Internal alterations to accommodate relocation of existing groups on Level 7.

We have reviewed the impact of the works on the existing fire strategy for the building. Provided the recommendations in the existing Fire Engineering Report for the building are implemented and maintained, NDY believe the proposed works will not adversely affect the existing fire strategy for the building with consideration to the following items:

- The floor void between Level 3 & 4 is currently an open egress staircase and shall be in filled to comply with the BCA under specification C1.1 Table 3 achieving an FRL 120/120/120. Although an egress route is omitted there are sufficient exits on the floor to allow occupant to safely evacuate the building.
- The travel distance to an exit is extended by 2m on Level 3 and by 1m on Level 6. The existing FER justifies extended travel distances of up to 45m to the nearest exit and up to 74m between alternative exits. The building is provided with additional fire safety systems above and beyond the requirements of the BCA which include:
  - a) Fast response sprinkler heads (RTI 50) in lieu of standard response sprinkler heads (RTI 150) which results in the sprinkler system activating sooner and preventing the fire to grow and allowing occupants additional time to evacuate.
  - b) A smoke detection system in accordance with AS1668.1 on extended spacing throughout Levels 2-7 on smoke migratory paths which results in early detection of a fire.

Based on the additional fire safety systems provided within the building, the extended travel distance arising from the new works can be demonstrated to meet the performance requirements of the BCA via a Fire Engineering Alternative Solution.



Provided the recommendations within the existing FER are implemented and maintained, the new works are considered acceptable and consistent with the existing Fire strategy for the building.

We trust the information conveyed is satisfactory and if you have any questions, please do not hesitate to contact us.

**NORMAN DISNEY & YOUNG**

A handwritten signature in black ink that reads 'Kevin Boyle'.

Kevin Boyle

Senior Fire Engineer

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