

09 March 2018

Scentre Design & Construction Pty Ltd
Level 4, 100 Market Street
Sydney, NSW 2000

Attn: Mr. Fajar Darmawis

Email: FDarmawis@Scentregroup.com



Re: Specialty Shop 152, Westfield Penrith – DA Letter of intent to provide a fire engineering assessment

FEP Project Reference No. – 2018 / 1411

Dear Mr. Darmawis,

This letter is in response to your request for a preliminary assessment of the proposed development involving the construction of specialty tenancy 152 (Shop 152) at Westfield Penrith. Fire Engineering Professionals Pty Ltd (FEP) have reviewed the drawings submitted to us by Scentre Design & Construction via an email dated 20 February 2018.

Based upon the documentation provided, FEP are of the understanding that specialty tenancy 152 is to be constructed on Level 1 of the “Riley Street extension” of Westfield Penrith. The fire safety strategy for the “Riley Street extension” of Westfield Penrith is documented in the fire engineering report developed by Stephen Grubits & Associates Pty Ltd in Report 2003 / 338, Revision R3.6, dated August 2004. The works associated with the construction of specialty tenancy 152 are therefore required to both comply with the Building Code of Australia (BCA) and maintain compliance with the aforementioned documented fire safety strategy.

Fire Engineering Professionals Pty Ltd understand that the construction of specialty tenancy 152 does not result any specific non-compliances with the “Deemed-to-Satisfy” (DTS) provisions of the BCA. The fire engineering consultancy services to be provided by FEP are therefore likely to be limited to the assessment of the impact of the proposed works on the documented fire safety strategy due to the proposed deletion of a main shopping centre exit which also forms path for the make-up air to enter the building for the operation of the smoke hazard management system serving the ‘Riley Street extension’ of Westfield Penrith.

FEP believe that compliance with the documented fire safety strategy is likely to be achieved by way of a fire engineering assessment. FEP have conducted fire engineering assessments on similar previous projects involving the analysis of the impact of the proposed works on the documented fire safety strategy for that respective building. These projects were conducted in consultation with the project stakeholders, including but not limited to, Fire & Rescue NSW (FRNSW), Local Government Authorities (LGA) and the Principal Certifying Authority.

The preparation of the fire engineering assessment for the construction of specialty shop 152 at Westfield Penrith will require a discussion and an agreement between the relevant stakeholders (Fire Engineering Brief process). The methodology and acceptance criteria that is proposed to be applied to the fire engineering assessment are detailed in Table 1, provided on the following page.

Table 1: Assessment methodology and acceptance criteria for the proposed fire engineering assessment

Assessment Number	Assessment	Assessment Methodology	Acceptance Criteria
1	Impact of the proposed construction of Shop 152 on the documented fire safety strategy of the building.	A quantitative deterministic assessment will be carried out using smoke development and egress modelling to determine the level of life safety achieved in the affected portions of the subject building as a result of the proposed works.	ASET / RSET comparison as detailed within the documented fire safety strategy of the building.

Due to the nature of the proposed development and based upon Fire Engineering Professionals Pty Ltd (FEP) previous experience with projects of a similar nature, it is understood that the PCA may request a comment from Fire & Rescue NSW (FRNSW) on the proposed fire engineering assessment. FEP therefore consider it important to carry out discussions with FRNSW as part of the Fire Engineering Brief (FEB) process to ensure that the design is consistent with FRNSW intervention requirements for Westfield Penrith.

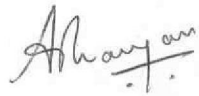
FEP will prepare a Fire Engineering Brief Questionnaire (FEBQ) in the FRNSW's preferred FEB format which documents the following methodology and acceptance criteria proposed for the assessments to be included in the fire engineering assessment. This document will be issued to the Council and FRNSW for a discussion and comment during the DA review process.

The FEB report issued as an FEBQ for stakeholder comment will outline the fire engineering strategy which is to be adopted; the modelling tools to be used for calculations; the methodology for the fire engineering assessments; and the acceptance criteria nominated for the fire engineering assessment to be undertaken. A Trial Concept Design will also be nominated which outlines the building requirements that are to be met in order for the building design to be shown, via supporting evidence in the form of fire engineering assessments, to be capable of meeting the intent of the documented fire safety strategy.

FEP would be happy for Scentre Design & Construction to submit this letter to Penrith City Council (part of the DA submission) as our intent to provide a fire engineering assessment to determine whether the proposed construction of specialty tenancy 152 will meet the intent of the documented fire safety strategy of the building as nominated in Report 2003 / 338, Revision R3.6, dated August 2004. FEP are also available to discuss any related fire safety issues if required by Penrith City Council as part of the DA process.

FEP trust this is suitable for your purposes and should you wish to discuss any aspect of this letter then please do not hesitate to contact the undersigned.

Yours faithfully

A handwritten signature in black ink, appearing to read 'Atul Bhargava', with a stylized flourish at the end.

Atul Bhargava
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