

13 November 2019

EPM Projects
Level 2,
146 Arthur Street
North Sydney NSW 2060

Architecture
Urban Design
Planning
Interior Architecture

To: Todd Ewart
Michael Nasiry

Cranbrook School Stage 2 Redevelopment
Flammability of Facades

Dear Todd, Michael,

Re: Cranbrook Stage 2 Redevelopment – Cladding Materials

Further to EPM's request, we confirm that the design of Centennial Building and the Aquatic and Fitness Centre contains no flammable aluminium/polymer composite panels (ACP) or other high risk cladding materials. The proposed products and systems will meet the requirements of the A17 and B4 SSSA Conditions of Consent, subject to final product confirmation with the contractor.

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The cladding materials that have drawn recent media attention are generally manufactured with two sheets of aluminium sandwiching a stiff polymer core – in some applications this core material has been inappropriately specified for high rise applications due to use of flammable instead of flame-retardant polymers.

The design for Cranbrook does not use these materials at all, and Architectus has a practice-wide policy that prohibits their use on our projects.

We have carefully selected materials in consultation with the Fire Engineer to ensure compliance with codes, and in consideration of our responsibility regarding "Safety in Design" for the School.

The buildings are designed under BCA 2016 Amendment 1 as directed by EPM - amendment 1 introduced additional fire requirements following recent disasters. In general the project uses "performance solutions" as permitted in the BCA and as documented in the Fire Engineering report.

The original query sought clarification regarding the materials used in the sunshades – we have specified aluminium cladding bonded to a substrate of Fibre Cement (FC) sheeting, which is not flammable.

Timber is specified to the soffit cladding of the terraces at levels 3 and 4 – the species selected is a "Group 3" timber, and the area has fire sprinklers, which together make this specification compliant with the fire requirements as documented in the Fire Engineering Report.

The Chapel is considered under the BCA to be a separate single storey structure to the CB, due to the fire separation provided by the Level 5 deck. Type C construction is permitted for the Chapel. On this basis the structure of the roof and the internal wall and ceiling linings are specified in timber. The external soffits to the roof overhangs on

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Nominated Architect
CEO
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the Chapel are clad with "Group 3" hardwood boards which are acceptable under the Fire Engineering Report.

The walls of the Hordern Oval "Pop-ups" connecting to the AFC are clad with spotted gum weather boards, to match the existing Justin McDonald Stand. As single storey structures, this cladding is acceptable under the Fire Engineering Report.

Other cladding materials include:

- Sandstone
- Ceramic cladding panels, and
- Glazed facades.

These systems are not flammable.

We hope this satisfies your query.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'John Whatmore', with a long, sweeping flourish extending to the right.

John Whatmore
Project Leader