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By email and self-collection
timr@lordsomerscamp.org.au

21 January 2022

Tim Ryab
Lord Somers Camp and Power House
34 Lakeside Drive
Albert Park
VIC 3206

Dear Tim

34 Lakeside Drive Albert Park Refurbishment - Roof design loading to accommodate Solar Panels

The currently proposed works to be undertaken as part of the refurbishment project at 34 Lakeside Drive, Albert Park, will involve removal and reinstatement of the existing roof sheeting along with installation of new light weight insulation. The intent is that the existing roof structure is to remain as is unless they require modification as part of the refurbishment works. All roofs designed to Australian Standards (AS1170) are designed for a live load capacity of at least 0.25kPa (25kg/m²) which is higher than Solar Panel loading. Therefore based on the existing roof structure having at least this live load capacity and the weight being supported by the existing roof structure not increasing from that it is currently supporting (i.e no increase in load from new ceilings & services etc) it is our view that the existing roof structure is able to support Solar Panels.

The refurbishment works also involve construction of new roofs. These new roof structures will be designed to accommodate Solar Panel loading.

Yours sincerely

Andrew Hollyoak
Associate Director - Structures

cc: John Wardle Architects - Manuel Canestrini

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WSP acknowledges that every project we work on takes place on First Peoples lands.
We recognise Aboriginal and Torres Strait Islander Peoples as the first scientists and engineers and pay our respects to Elders past and present.