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The Brightside Cafe
Surf View Rd
Mona Vale NSW 2103

31/10/22
Cdes22097

Dear Mr B Saini


RE: Proposed New Awning for
The Brightside Café at
Mona Vale Surf Lifesaving Club, Surf View Rd Mona Vale NSW_
Structural Design Check and Load Certificate

The proposed new awning for the Brightside Café at the Mona Vale Surf Lifesaving Club is to be attached to the existing concrete framed pergola structure as shown on the TTW engineering drawing, SK-026-2 and dated 5TH July 22. The new awning is proposed to be attached to the top of the reinforced concrete ring beam frame. The frame is supported on a grid of reinforced columns and supporting footings, as shown on the drawings.

A design check was made for the concrete ring beam frame and supporting columns to carry the design vertical wind loads in accordance with AS1170.2 (Wind Loading Code). The concrete frame was also checked to support the horizontal wind loads applied on motorised side blinds attached to the side elevations.

In my opinion, the existing concrete framed pergola structures are adequate to support the applied loading actions from the proposed awning and side blinds and satisfy the design requirements based on the Australian Standards including AS1170.1 (Loading Code), AS3600 (Concrete Code), AS 1170.2 (Wind Loading Code) and satisfy the conditions of the B.C.A. Volume 2, Part 3.11.

Yours sincerely



Dermot J. O'Brien, B.E. MIE. Aust. C P Eng., N.E.R.