

Wednesday, 19 April 2023

To whom it may concern,

Suitability of Attached Outback® Clearspan Gable.

Customer Name: Leon Baker

Site Address: 71 Henning Crescent, Wallerawang NSW

Design Wind Speed: 42m/s

The Attached Outback® Clearspan Gable, 6.88x6.18x2.70m high, for the above customer and site address is sufficient to sustain loading as generated by design gust windspeed 42m/s. Additional details as indicated below and on the attached sheet/s titled "ENG29118". Designed in accordance with the following Australian Standards;

AS/NZS 1170.0,1:2002	Structural Design Actions
AS/NZS 1170.2:2021	Structural Design Actions - Wind Actions
AS/NZS 4600:2018	Cold-Formed Steel Structures
AS 4100:2020	Steel Structures

Additional Details:

Designed for a maximum gust wind speed of 42m/s calculated as Region A3, Terrain Cat 2.31, in accordance with AS/NZS1170.2:2021, where $M_d=0.9$, $M_s=1.0$, $M_t=1.15$ and $M_{z,cat}=0.88$.

0.42mm BMT Outback deck roof sheeting installed in accordance with standard Stratco specifications.

150mm Outback valley and attachment beams.

150mm Outback ridge beams.

150mm Outback header beams.

120mm Outback rafters.

120mm Outback collar ties.

120mm Outback rafters with 120mm Outback collar ties, to be located to give a collar tie length L of 3000mm, as shown on design sheet ENG29118, installed in accordance with standard Stratco recommendations.

100x100x3.0mm SHS (C350 Min.) pre-galvanised column onto concrete shall be bolted to footing plate spigot with two M12 bolts with washers under both bolt head and nut, or columns may be fully welded all around to plate with minimum 3mm fillet weld. 200x200x12mm thick footing plates fixed to slab using four M12 chem anchors with a minimum embedment depth of 80mm and the assumption of concrete grade no less than 20MPa.

Anchors to be installed in accordance with manufacturer's specifications with appropriate concrete edge distance as per manufacturer's requirements. It is the builder's responsibility to ensure the existing concrete slab has adequate thickness, grade and reinforcement in order to sustain additional loading imposed by the Outback unit. If in doubt, the builder shall be responsible for seeking further engineering advice. Stratco accepts no liability for the suitability of the existing concrete slab including cracking of slab due to imposed loading.

Only Stratco Outback® components may be used. Any guarantee provided by Stratco will only apply if all components have been supplied by Stratco, and installed in accordance with Stratco details. Brands accompanied by ® are registered trade marks of Stratco (Australia) Pty Limited. Any modification of the above details will render this letter void.

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All welding shall be General Purpose (GP) with dimensional requirements in accordance with AS/NZS1554.1 and minimum 3mm fillet or full penetration butt weld as suitable for the join. On completion, welds are to be inspected for defects in accordance with permissible levels nominated in AS/NZS1554.1. Welds and any area ground back shall be treated with a suitable zinc primer prior to powder coating.

Side attached to fascia via rafter strengthening brackets spaced at maximum 1200mm centres, installed in accordance with standard Stratco specifications. Attachment beam cantilever should not exceed 900mm.

It is the builder's responsibility to ensure that the existing structure is suitable and adequately reinforced to sustain additional loads applied by the Outback unit.

The owner shall be responsible for maintenance of the patio in accordance with the Stratco Selection, Use and Maintenance brochure.

All other details in accordance with the Stratco Outback Span Table book dated September 2020.

Yours Sincerely,



Marcos Weber
Structural Engineer, MIEAust
Stratco (Australia) Pty. Limited

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Project: ENG29118	Date: 19/04/2023	Page: 1/1
	Drawn By: M.W.	Calc By: M.W.

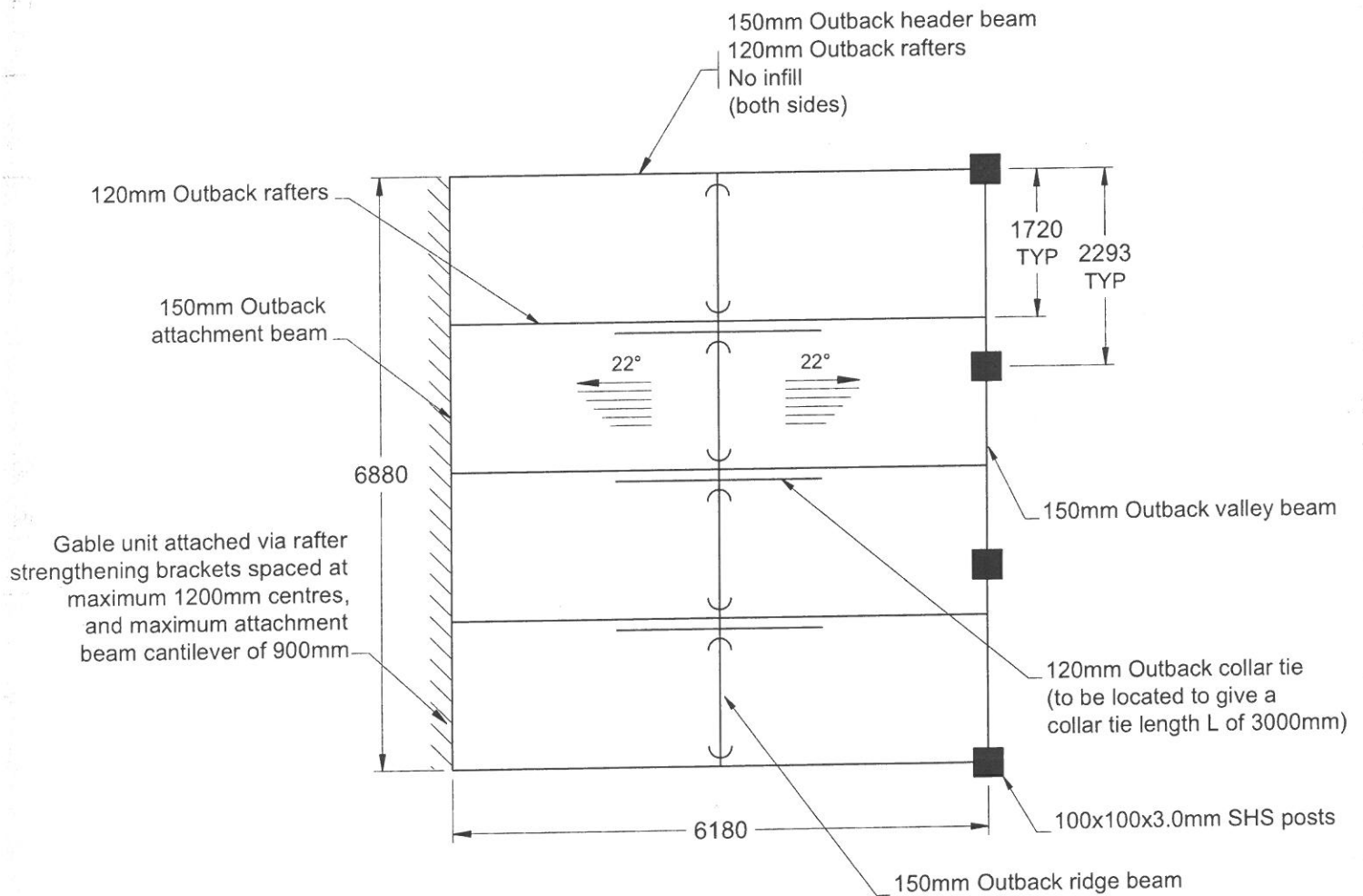
Attached Outback® Clearspan Gable

Client Name: Leon Baker
Site Address: 71 Henning Crescent, Wallerawang
Windspeed: Vd=42m/s
Height: 2700mm

NOT TO SCALE
Dimensions in mm

NOTE:

For final installation dimensions refer to the CAD drawing/s generated by estimating.



Any modification of this Design Sheet will render all details and information void.
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68 Outback Column		120 Outback Column		Deck Direction	
Reinforced Outback Column		Roller Door Column		Attachment	
SHS Column		Beam/Beam Bracket Direction			