

18 November, 2016

To whom it may concern

The actual usage of the building is not able to be finalised by the engineer. This certification is done in accordance with the purchaser of the building's advice of the building's Importance Level. Any approving authority should confirm that the Importance Level nominated is appropriate for the building's usage.

The structural design of the steel building (as detailed in drawing WSS163584, see index below) for St Marys Rugby League Club Ltd to be built at the geographic coordinates of -33.74344 and 150.78008. The address of the site has been given as Forester Road ST MARYS NSW Australia 2760 has been carried out by me using the Multiframe Structural Engineering Analysis Program.

The design has been done in accordance with the NCC:2016, AS/NZS 4600:2005, AS/NZS 1170.1:2002, AS/NZS 1170.2:2011, AS 4055:2012, AS 4100:1998, AS 2870:2011 and AS 3600:2009.

Design Criteria: Max Design Wind Speed of 37.2 m/s. Refer to Design Information Sheet for the 8 cardinal directions breakdown.

Drawing Number	Date	Description
WSS163584 - 2	18/11/2016	General Notes
WSS163584 - 3	18/11/2016	Layout
WSS163584 - 4	18/11/2016	Specification Sheet
WSS163584 - 5	18/11/2016	Bracing
WSS163584 - 6	18/11/2016	Concrete Piers
WSS163584 - 7	18/11/2016	Slab Dimensions
WSS163584 - 8	18/11/2016	Connection Details
WSS163584 - 9	18/11/2016	Flashing Fixing Details
WSS163584 - 10	18/11/2016	Component Position

Some drawings have multiple pages, eg. "1 of 3".

Signed



R. Nancarrow
for and on behalf of
TABERCO ENGINEERING PTY LTD
(ACN 19 610 855 260)

Design Information Sheet

Building Details

Item	Design Value		
Building Description	Portal Design Steel Frame and Steel Clad Building		
Job Reference #	WSS163584		
Site Address	Forester Road ST MARYS NSW 2760		
Building Classification	Class 9		
Effective Design Height	3.20 m		
	Main Building	Left Leanto	Right Leanto
Length	15m	NA	NA
Bay Size	3 evenly spaced	NA	NA
Span	15m	NA	NA
Roof Pitch	12 degrees	NA	NA

Pressure Coefficients

Item	Design Value	Reference
Internal Pressure coefficient CPI	0, -0.3	AS/NZS 1170.2 Clause 5.3
Windward Wall (External Across)	0.7	AS/NZS 1170.2 Table 5.2 (A)
Windward Rafter (External Across)	-0.62, -0.18	AS/NZS 1170.2 Table 5.3 (B)
Leeward Rafter (External Across)	-0.38	AS/NZS 1170.2 Table 5.3 (C)
Leeward Wall (External Across)	-0.3	AS/NZS 1170.2 Table 5.2 (B)
Side Wall (External Along)	-0.65	AS/NZS 1170.2 Table 5.2 (C)
Rafters (External Along)	-0.9, -0.4	AS/NZS 1170.2 Table 5.3 (A)
Local Pressures Applied	Yes	AS/NZS 1170.2 Table 5.6

Site Classification

Item	N	NE	E	SE	S	SW	W	NW
Wind Region	A2							
Importance level	2							
Terrain Category	2.54	2.51	2.5	2.5	2.54	2.81	2.83	2.54
Shielding Multiplier (Ms)	1	1	1	1	1	0.85	0.85	1
Topographic Multiplier (Mt)	0	0	0	0	0	0	0	0
Wind Direction Multiplier (Md)	0.8	0.8	0.8	0.95	0.9	0.95	1	0.95
Design Wind Speed	37.2 m/s							
Snow Load Factor	0kPa							
Seismic Factor (Z)	NA							