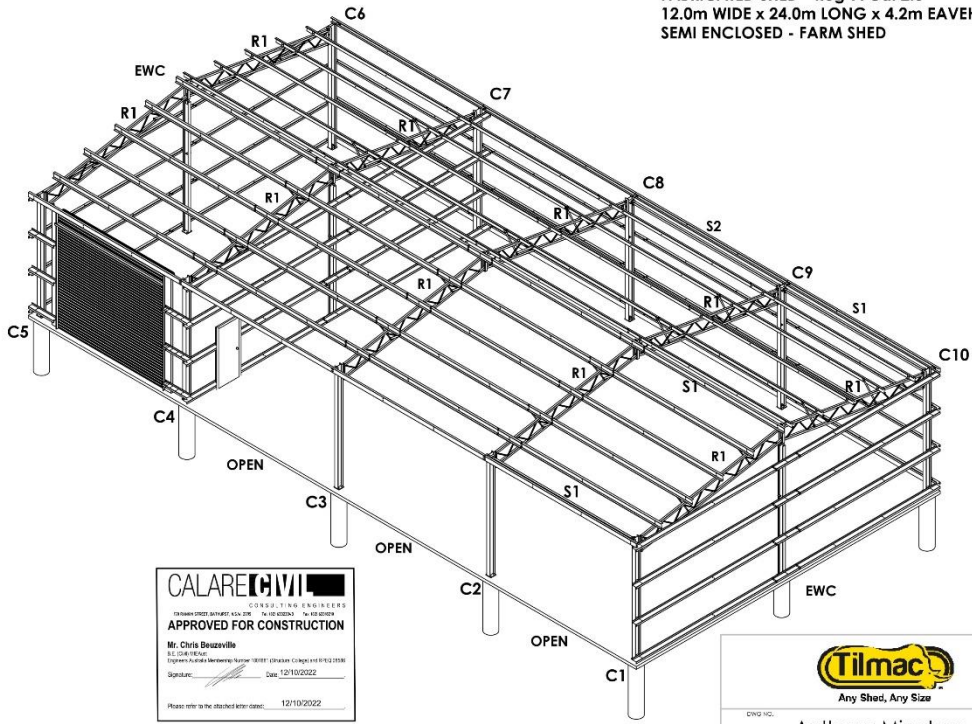
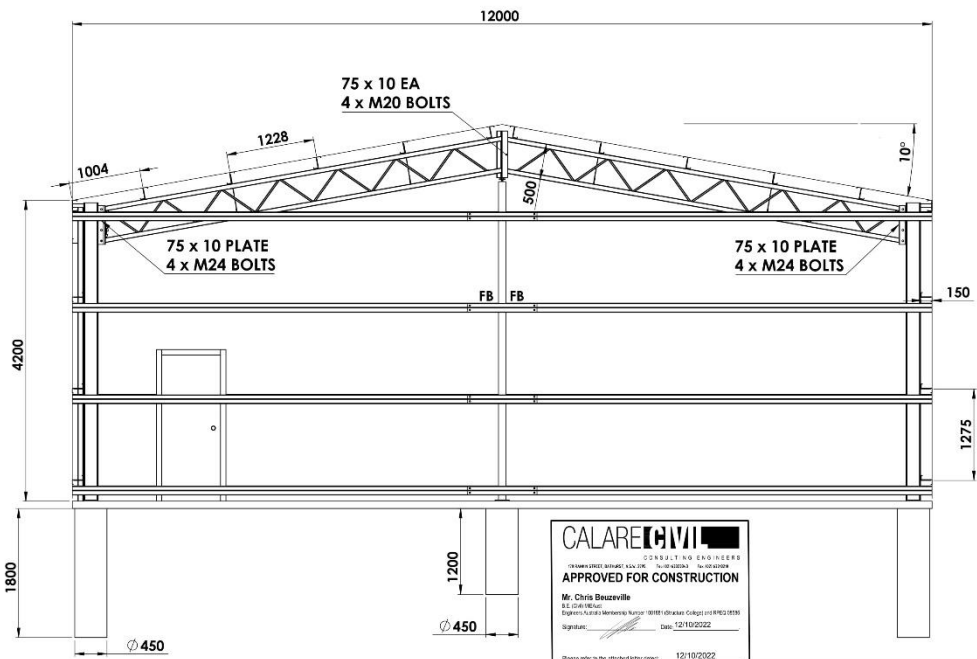


**FABRICATED SHED - Reg-A Cat 2.0**  
**12.0m WIDE x 24.0m LONG x 4.2m EAVEHEIGHT.**  
**SEMI ENCLOSED - FARM SHED**



**CALARE** **EWI**  
 CONSULTING ENGINEERS  
 APPROVED FOR CONSTRUCTION  
 Mr. Chris Beuzeville  
 B.E. (Civil) (HON) (NZ)  
 Registered Structural Engineer (No. 18181) (NZ) and (No. 12192) (NZ)  
 Signature: \_\_\_\_\_ Date: 12/10/2022  
 Please refer to the attached letterhead: 12/10/2022

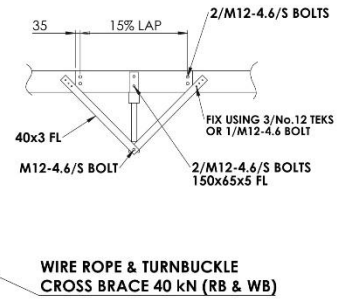
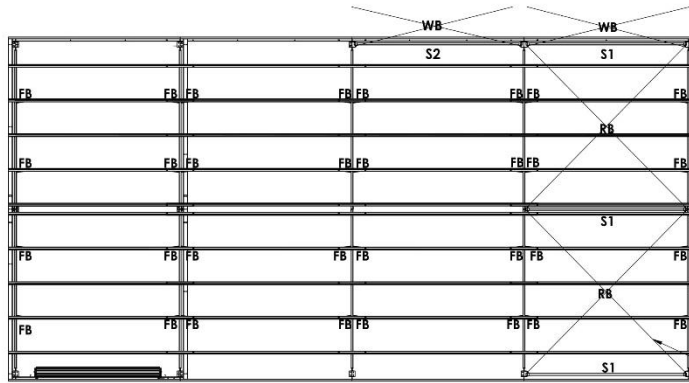
**Tilmac**  
 Any Shed, Any Size  
 Anthony Minahan  
 A3  
 SHEET 1 OF 17



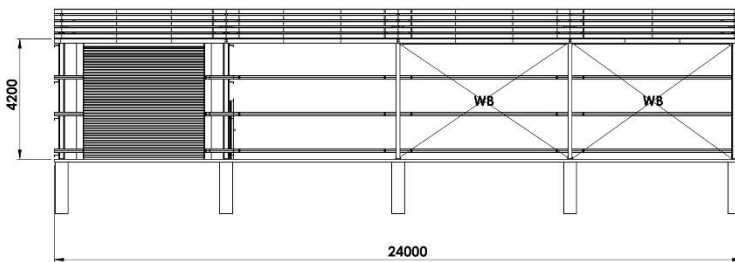
**CALARE** **EWI**  
 CONSULTING ENGINEERS  
 APPROVED FOR CONSTRUCTION  
 Mr. Chris Beuzeville  
 B.E. (Civil) (HON) (NZ)  
 Registered Structural Engineer (No. 18181) (NZ) and (No. 12192) (NZ)  
 Signature: \_\_\_\_\_ Date: 12/10/2022  
 Please refer to the attached letterhead: 12/10/2022

COLUMN	RAFTER		EWC	STRUT
	CHORD	WEB		
200UB22	65 X 2.5 SHS	25 X 1.6 SHS	200UB18	75 X 3 SHS

**Tilmac**  
 Any Shed, Any Size  
 Anthony Minahan  
 A3  
 SHEET 2 OF 17



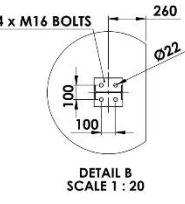
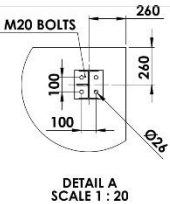
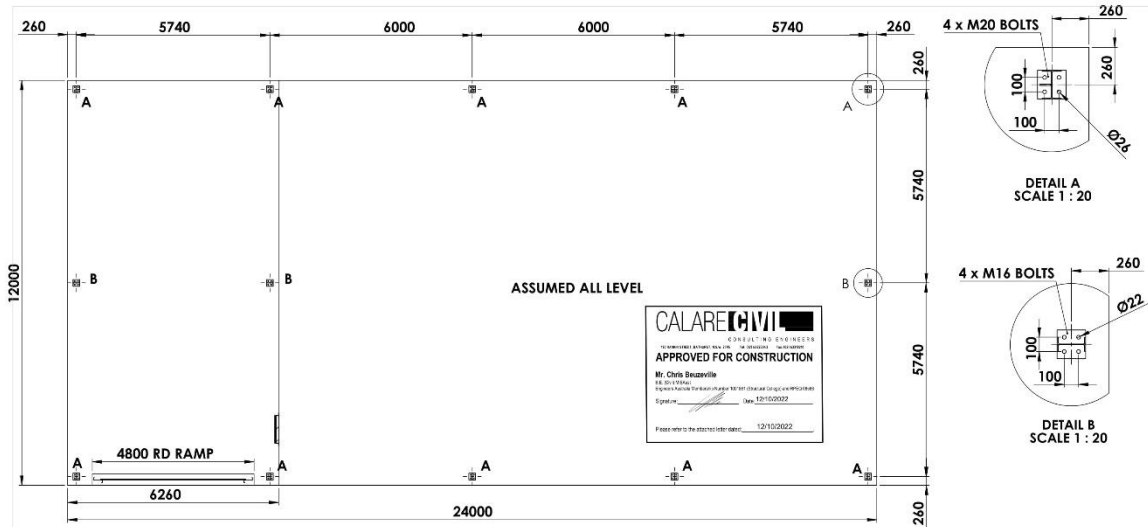
ROOF PURLIN			SIDE GIRT			END GIRT			EAVE PURLIN
SIZE	LAP	BRIDGE	SIZE	LAP	BRIDGE	SIZE	LAP	BRIDGE	
Z15015	15%	1	Z15015	15%	1	Z15015	15%	1	C15019
1228 MAX SPACING			1275 MAX SPACING			1275 MAX SPACING			



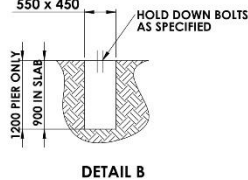
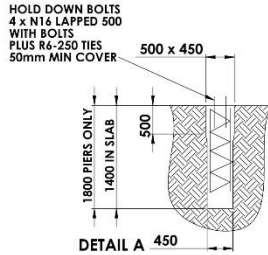
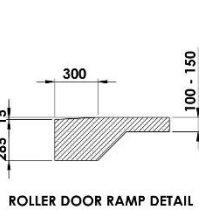
**CALARE** CIVIL ENGINEERS  
 APPROVED FOR CONSTRUCTION  
 Mr. Chris Beazeville  
 12/10/2022  
 Please refer to the attached letter dated: 12/10/2022



DWG NO: Anthony Minahan A3  
 SCALE: 1:200 SHEET 2 OF 17



**CALARE** CIVIL ENGINEERS  
 APPROVED FOR CONSTRUCTION  
 Mr. Chris Beazeville  
 12/10/2022  
 Please refer to the attached letter dated: 12/10/2022



NOTE: THESE FOOTINGS HAVE BEEN DESIGNED FOR A CLASS "M" SITE AS DEFINED BY AS2870 WITH AN ALLOWABLE BEARING PRESSURE 200kPa AND CONCRETE STRENGTH OF 25MPa. SHOULD SITE CONDITIONS DIFFER FROM THIS, THE ADVICE OF A PROFESSIONAL ENGINEER SHOULD BE OBTAINED.



DWG NO: Anthony Minahan A3  
 SCALE: 1:200 SHEET 4 OF 17

20221331  
12 October, 2022

Shed World/Tilmac  
2 Ralston Drive  
ORANGE NSW 2800

Attention: The Manager

Dear Sir

**RE: Proposed Farm Shed – 216 Tinja Lane Eurunderee**

We certify that we have checked the structural design of the proposed farm shed as shown on the following drawings:

Drawing No.	Description	Revision
Sheet 1 of 17	Proposed Farm Shed – 216 Tinja Lane, EURUNDEREE– General Arrangement	
Sheet 2 of 17	Proposed Farm Shed – 216 Tinja Lane, EURUNDEREE– Section	
Sheet 3 of 17	Proposed Farm Shed – 216 Tinja Lane, EURUNDEREE– Plan & Elevation	
Sheet 4 of 17	Proposed Farm Shed – 216 Tinja Lane, EURUNDEREE–Footing Setout & Details	

This review has been carried out in accordance with the following SAI Codes of Practice:

- AS 3600 Concrete Structures Code
- AS 4100 Steel Structures Code
- AS/NZS 4600 Cold-formed Steel Structures Code

Accordingly, the structure shown would be sufficient to carry the relevant loads specified in AS/NZS 1170.0, SAI Structural Design Actions Code.

Note the following design criteria have been adopted:

- Design based on an enclosed building with openings (as defined in AS/NZS 1170.2) any additional cladding must not be added without reference to the engineer;
- Structure Importance level 1 (farm structure), in accordance with the BCA;
- Super-imposed dead load to roof = 0.20kPa, and live load to roof = 0.25kPa;
- Wind region A3 (non-cyclonic), with a terrain category of 2.0 (open terrain) in accordance with AS/NZS 1170.2, and a regional wind speed of  $V_{R,100} = 41\text{m/s}$  ( $M_s = 1.00$ ,  $M_t = 1.00$ , and  $M_d, M_{z,cat}$  in accordance with AS/NZS 1170.2); and
- Soil bearing pressure = 200kPa minimum.

**Calare Civil Pty Ltd**

ABN 41 050 057 933  
170 Rankin Street  
Bathurst NSW 2795

**Tel:** 02 6332 3343  
**Fax:** 02 6331 8210  
**Email:** bathurst@calare-civil.com.au  
**Web:** www.calare-civil.com.au

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This certification shall not be construed as relieving any other party of their responsibilities, liabilities or contractual obligations.

We trust that this information meets your requirements. Please do not hesitate to contact the undersigned should you require any further information.

Yours faithfully,  
CALARE CIVIL PTY LTD

Chris Beuzeville  
BE MIE Aust.