ENGINEERING SCHEDULE

CERTIFIED STEEL PORTAL FRAME SHED DESIGN IN ACCORDANCE WITH NCC 2022 FOR SITE WIND SPEED "41.57m/s", WIND REGION "A0", TERRAIN CATEGORY "3", IMPORTANCE LEVEL "2" Internal Pressure: 0.5

Design Snow Load: 0.00 KPa, Roof Snow Load: 0.00 KPa

Customer: A.Warwicker Pty Ltd Site Address: 20 Queen St, Gulgong NSW 2852

Main Building: Span: 9, Length: 10, Height: 3.5, Roof Pitch: 11 degrees The length being comprised of 4 bays, the largest bay is 3.75m bays. Back Garaport: Span: 9, Length: 3, Height: 3.5 Left LeanTo: NA Right LeanTo: NA

Total Kit Weight: 3130.75kg

INTERNAL PORTALS	END PORTALS
Column: 2C15024	Column: C15024
Rafter: 2C15024	Rafter: C15024
Knee Brace: 2C10010	Knee Brace: NA
Knee Brace Length: 1600	Knee Brace Length: NA
Apex Brace: 2C10010	Apex Brace: NA
Apex Brace Length: 4000	Apex Brace Length: NA
	Endwall Mullion: C15024

LEFT LEAN TO PORTALS	RIGHT LEAN TO PORTALS		
Internal Column: NA	Internal Column: NA		
Internal Rafter: NA	Internal Rafter: NA		
End Column: NA	End Column: NA		
End Rafter: NA	End Rafter: NA		
Knee Brace: NA	Knee Brace: NA		
Knee Brace Length: NA	Knee Brace Length: NA		

NOTE: All unclad intermediate columns are always back to back (refer to drawing: Floor Plan).

PURLINS AND GIRTS		
Eave Purlin: C10010		
Side Wall Girts: TH64100	Max Spacing: 1250	Overlap: 10%
Front End Wall Girts: TH64100	Max Spacing: 1250	Overlap: 10%
Back End Wall Girts: TH64100	Max Spacing: 1250	Overlap: 10%
Roof Purlins: TH64100	Max Spacing: 1000	Overlap: 10%

NOTE: Girt spacing will vary to a maximum 1.25m where window/s are located.

FASTENERS	
Sleeve Anchor Bolts: M12x80 Sleeve Anchor Yellow Zinc	
Frame Bolts: M12x30 Purlin Assembly Zinc (Mild)	
Frame Screws: Frame Screw 14x14x22	
Cross Bracing Strap: 32mm x 1.2 strap	
Open Bay Header Height: NA	

	COLOUR SCHEDULE
Roof Sheets: H	leritage Red
External Wall Sheets: S	Smooth Cream
Roller Doors: H	leritage Red
Flashings: H	leritage Red
PA Doors: S	Smooth Cream
Windows: H	Heritage Red



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CIVIL & STRUCTURA	L ENGINEERS
COMMERCIAL - INDUSTRIAL - RESIDE	NTIAL - FORENSIC - STEEL DETAILING
CAMILO PINEDA MORE	NO
Bend MIEAust RPEng RPEQ 15562 TBP PE003976 (VIC)	Signature:

DOMESTIC & LIGHT INDUSTRIAL STEEL PORTAL FRAME SHED STRUCTURES This structure is designed in compliance with AS4600, AS3600 and AS1170 1 to 4 as Importance Level 2 with a Live Load of 0.25kPa as "Air Leaky Structures" providing stability when openings are prevalent.

The structures are clad with corrugated pre-painted finish, 0.42mm walls and 0.42mm roof (compliant with AS1562.1 Metal) over cold formed 450 to 550mPa galvanized steel C sections primary frames.

Primary framing is fastened together with 4.6 Class galvanized bolts adequately tensioned on ground prior to erection.

Secondary framing steel bracing, with purlins and girts lapped, are all tek fastened to primary steel with a minimum of two (2) teks per connection as specified in details.

All rainwater products are compliant with AS2179.1 (Metal).

ENGINEERING

The undersigning engineer has checked that the design of the structure complies with relevant current Australian Standards as stated above and the following i.e AS4671- 2001 Steel Reinforcing materials, AS3600 - Concrete structures. However, he will not be present during construction, neither will he conduct inspections nor construction supervision.

The class 10a buildings are designed for erection on pad footings or slab based on soil of classification "A"-"P" with minimum bearing capacity 100kPa (i.e. organic soil is to be removed to a suitable material below natural surface).

Where (suitable) fill is required to level the site, it should be placed and compacted in layers of 150mm maximum.

Concrete pad footings and slab supply and placement is to be in compliance with AS2870-2011 Residential Slabs & Footings, AS3600-2009 Concrete Structures for A2 and B2 exposure (i.e. 25mPa strength @ 28 days strength) with recommended slump 75 to 80mm for light pneumatic tyred traffic all trafficable floors.

25mm deep concrete saw cut, to be made into the surface of the concrete slab every 6m in width or length as crack control joints.

For sites where these conditions are considered to be inadequate, a customized foundation design for the structure can be supplied to suit a specific purpose.

CONSTRUCTION

Erection of the structure is to be in compliance with local and state ordinances,

Occupational Health and Safety Regulations and with plans provided.

GENERAL

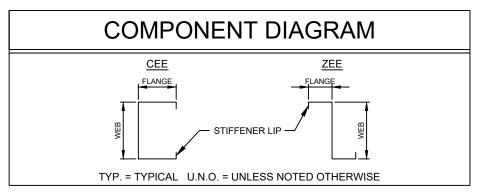
The designs as portrayed on the drawings remain the intellectual property of Best Sheds Pty Ltd and are provided for building approval and construction purposes only.

SNOW LOAD

Following conditions only apply to buildings with snow loading:

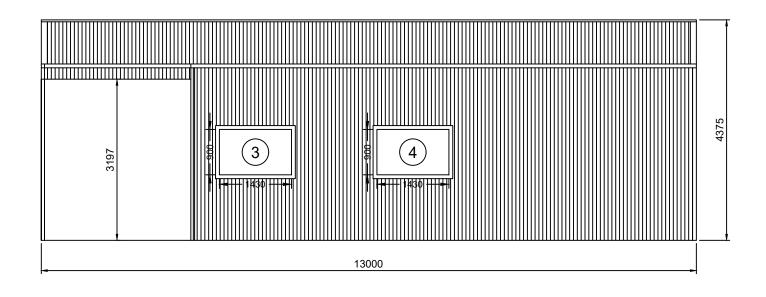
Date: 05.12.2024

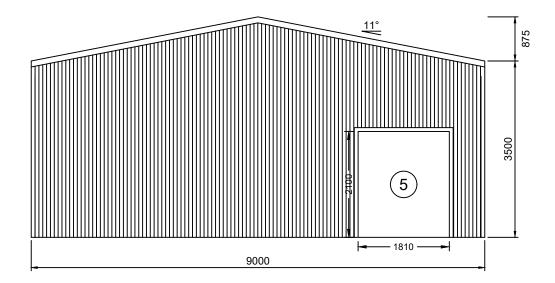
- No maintenance or roof traffic permitted on the roof while there is snow present.
- No other structure to be erected within 500mm of the gutters of this building.



Customer Name: A.Wa Site Address: 20 Queer Gulgong, NSW, 28

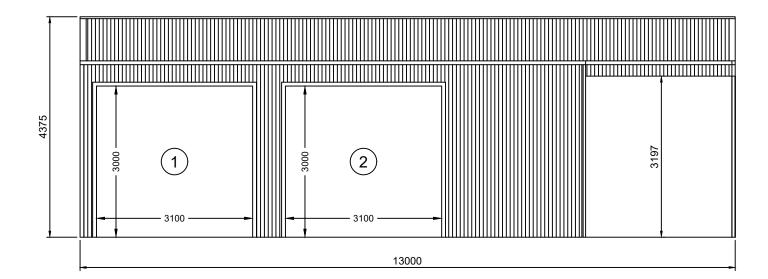
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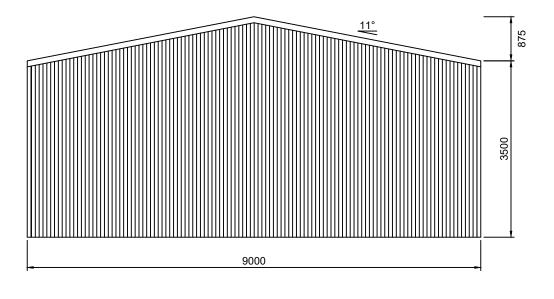




151 Smeaton Grange Road, Smeaton Grange, NSW, 2567 Phone: 02 4648 7777 Fax: 02 4648 7700 Value & Zuality Direct to You Email: sales@bestsheds.com.au CIVIL & STRUCT COMMERCIAL - INDUSTRIAL - R CAMILO PINEDA M Bend MIEAust RPEng RPEQ 15562 TBP PE003976 (VIC) **CIVIL & STRUCTURAL ENGINEERS** COMMERCIAL - INDUSTRIAL - RESIDENTIAL - FORENSIC - STEEL DETAILING CAMILO PINEDA MORENO Signature:

FRONT ELEVATION 4 2 SCALE: 1:75

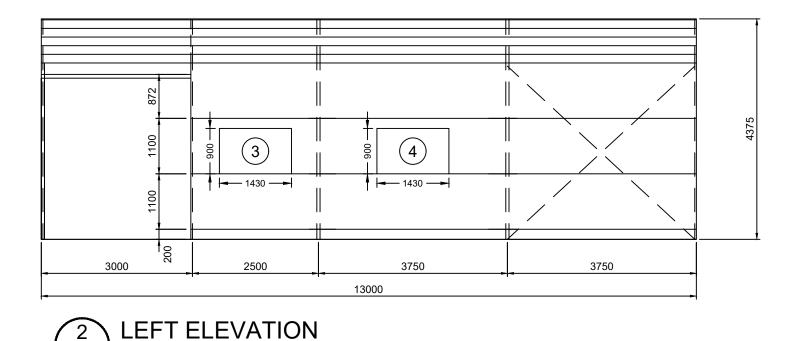
	Customer Name: A.Warv		
	Site Address: 20 Queen S		
	Gulgong,		
, 05.12.2024	NSW, 2852		

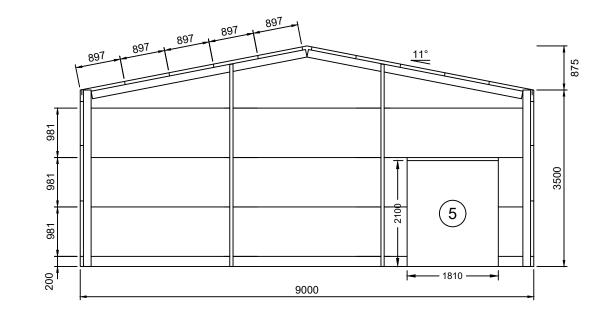


FRAME #4

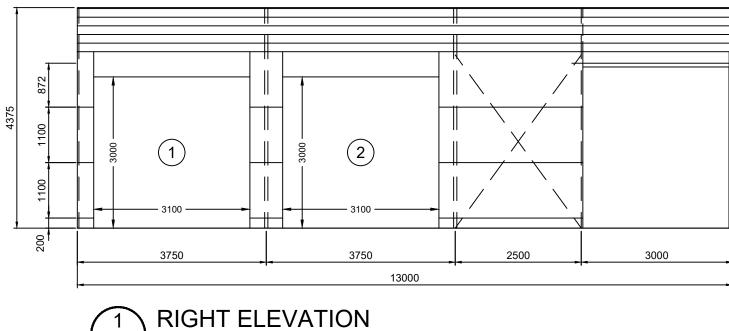
FRAME #1

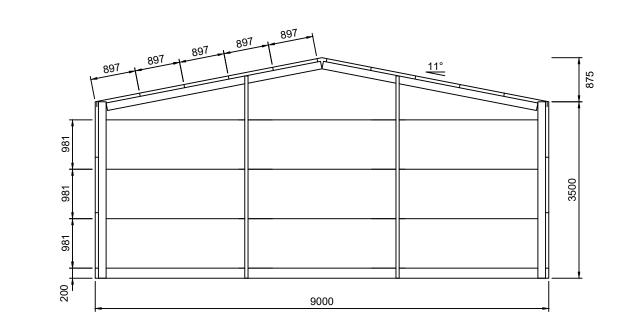
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n St	JOB NO.	0998794040
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REAR ELEVATION 3 3 SCALE: 1:75









1

3

2

3

SCALE: 1:75

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SCALE: 1:75

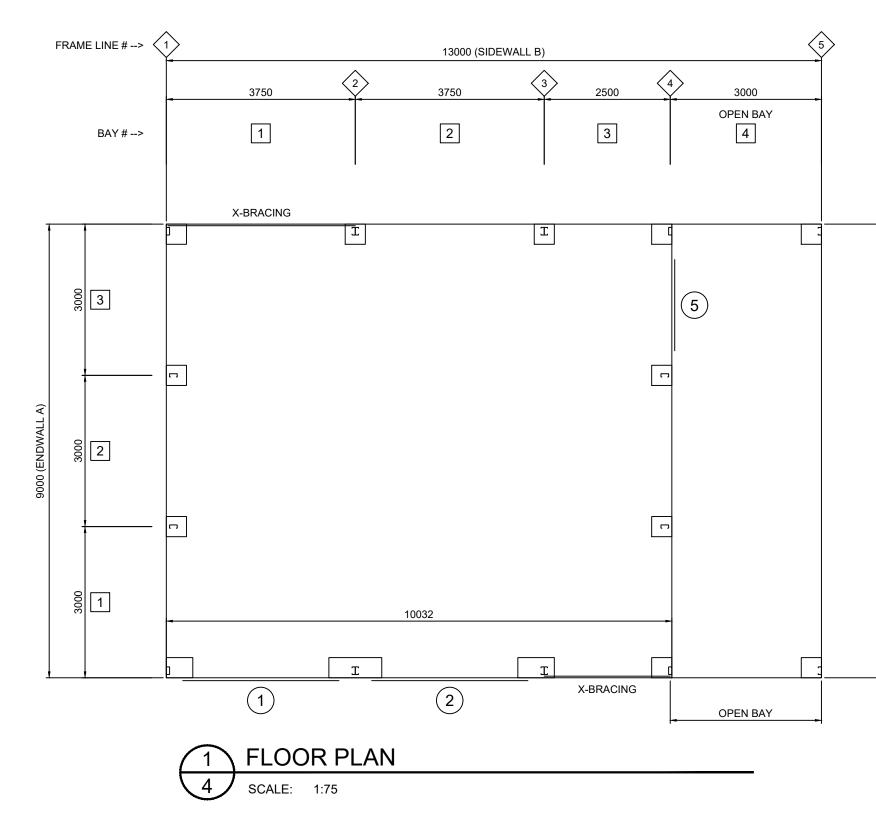
CIVIL & STRUCT COMMERCIAL - INDUSTRIAL - F CAMILO PINEDA M Bend MIEAust RPEng RPEQ 15662 TBP PE003976 (VIC) **CIVIL & STRUCTURAL ENGINEERS** COMMERCIAL - INDUSTRIAL - RESIDENTIAL - FORENSIC - STEEL DETAILING CAMILO PINEDA MORENO Signature:

Customer Name: A.Wa Site Address: 20 Queer Gulgong, NSW, 285 , Date: 05.12.2024

FRAME #4

FRAME #1

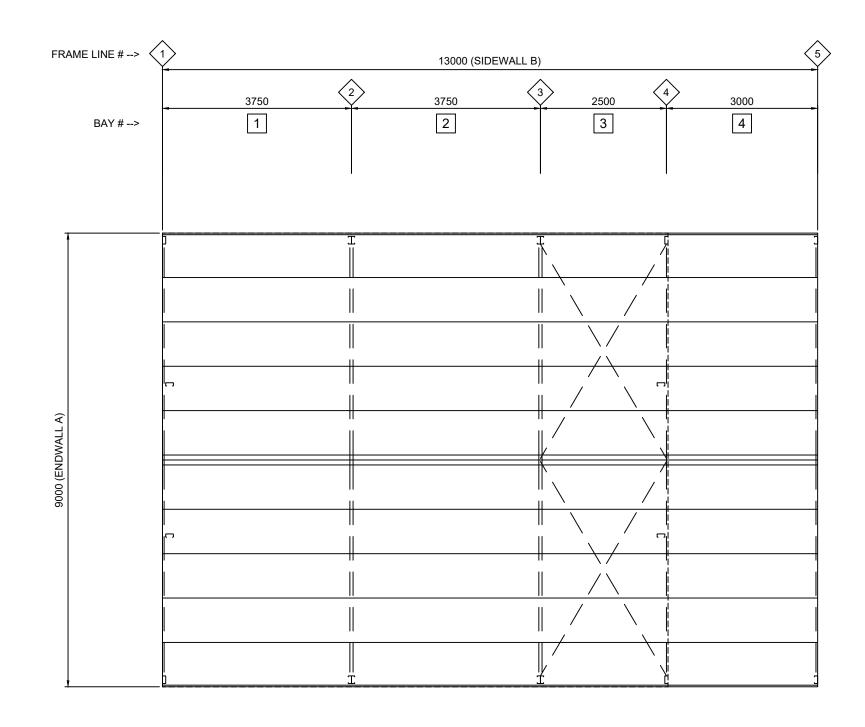
rwicker Pty Ltd	DATE	05-12-2024
n St	JOB NO.	0998794040
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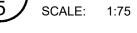




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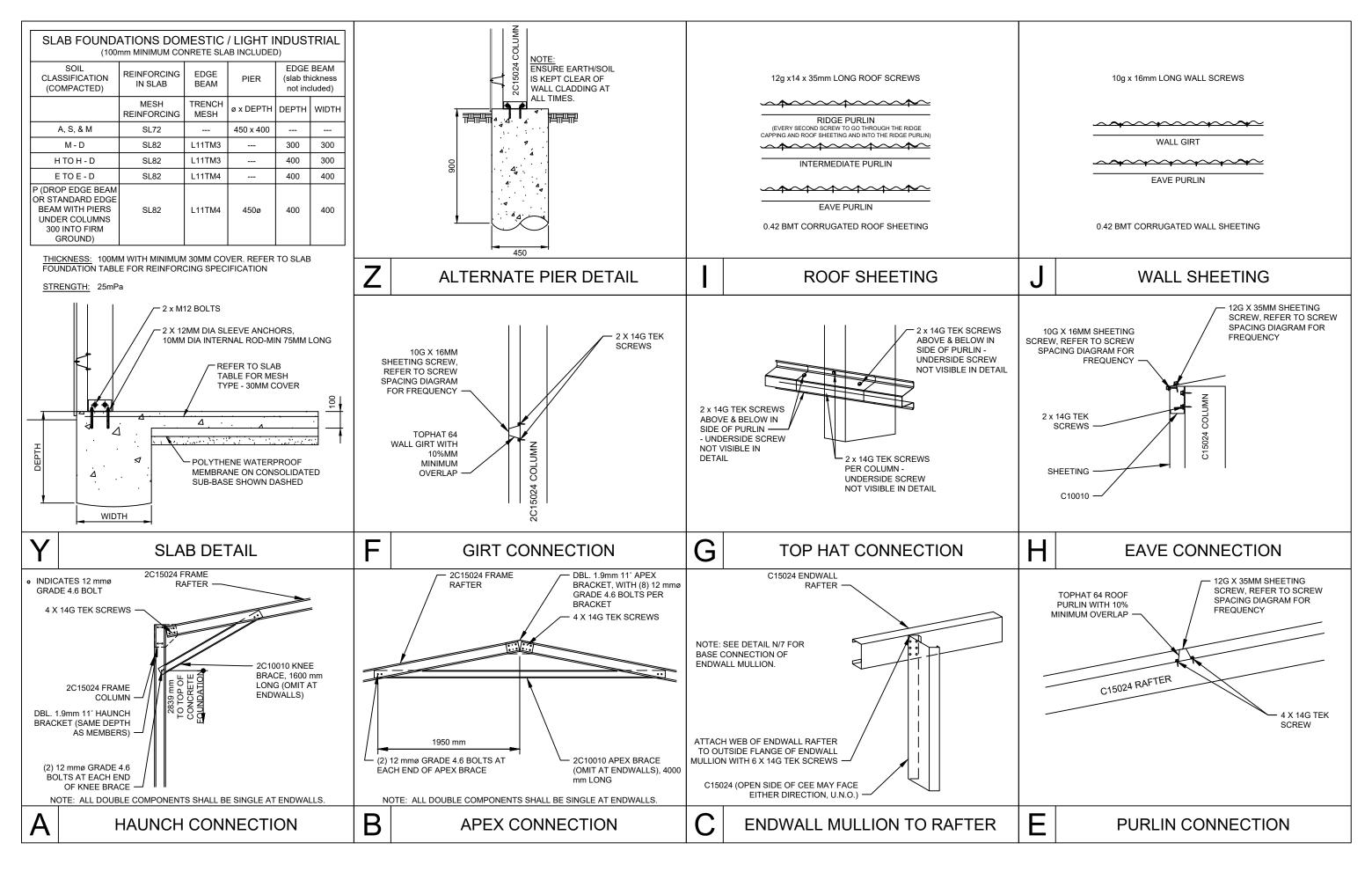


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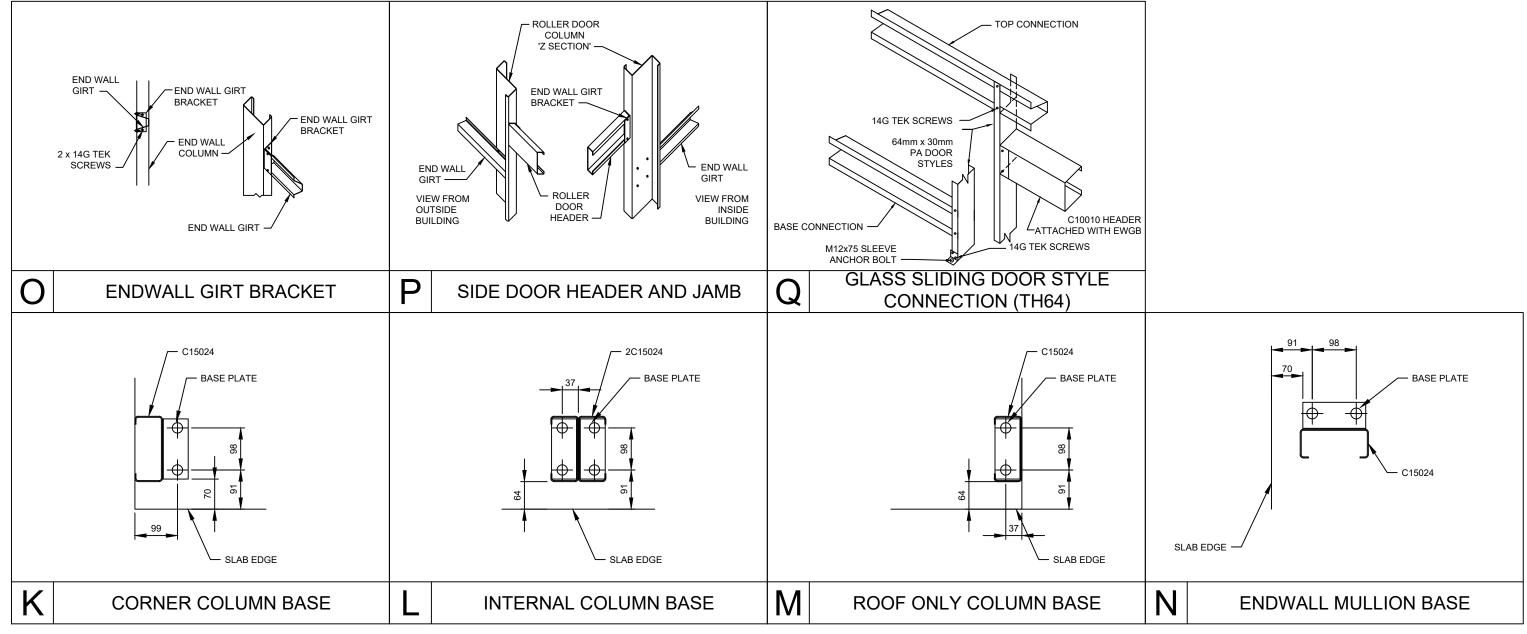
CIVIL & STRUCT COMMERCIAL - INDUSTRIAL - F CAMILO PINEDA M Bend MIEAust RPEng RPEQ 15562 TBP PE003976 (VIC) CIVIL & STRUCTURAL ENGINEERS COMMERCIAL - INDUSTRIAL - RESIDENTIAL - FORENSIC - STEEL DETAILING CAMILO PINEDA MORENO Signature:

Customer Name: A.Wa Site Address: 20 Queen Gulgong, NSW, 285

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Joint Construction151 Smeaton Grange Road, Smeaton Grange, NSW, 2567 Phone: 02 4648 7777 Fax: 02 4648 7700 Email: sales@bestsheds.com.au	EMERALD DESIGN & CONSTRUCTION	CIVIL & STRUCTURAL EN COMMERCIAL - INDUSTRIAL - RESIDENTIAL CAMILO PINEDA MORENO Bend MIEAUST RPEng RPEQ 15562 TBP PE003976 (VIC)		. Date: 05.12.2024	Customer Name: A.Warwicker Pty Ltd Site Address: 20 Queen St Gulgong, NSW, 2852	JOB NO.	05-12-2024 0998794040 6 of 8
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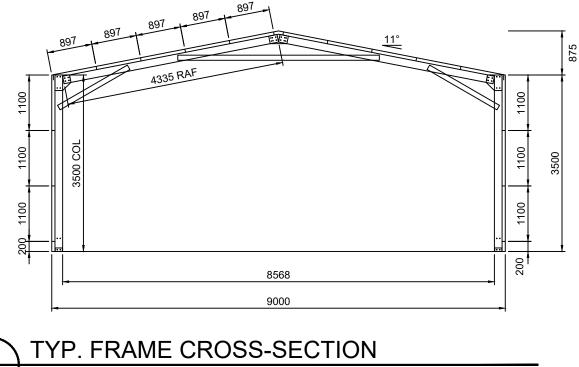


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05-12-2024

JOB NO. 0998794040

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CIVIL & STRUCT COMMERCIAL - INDUSTRIAL - F CAMILO PINEDA M Bend MIEAust RPEng RPEQ 15562 TBP PE003976 (VIC) CIVIL & STRUCTURAL ENGINEERS COMMERCIAL - INDUSTRIAL - RESIDENTIAL - FORENSIC - STEEL DETAILING CAMILO PINEDA MORENO

Signature:

Customer Name: A.War Site Address: 20 Queen Gulgong, NSW, 2852 05.12.2024

FRAMES 2, 3, 5

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