

ENGINEERING SCHEDULE

CERTIFIED STEEL PORTAL FRAME SHED DESIGN IN ACCORDANCE WITH NCC 2022 FOR SITE WIND SPEED "30.82m/s", WIND REGION "A3", TERRAIN CATEGORY "3", IMPORTANCE LEVEL "2"

Internal Pressure: 0.5
Design Snow Load: 0.00 KPa, Roof Snow Load: 0.00 KPa

Customer: Jerromy Russell
Site Address: 50 Combermere St, Goulburn NSW 2580

Main Building: Span: 5, Length: 10, Height: 2.7, Roof Pitch: 11 degrees
The length being comprised of 3 bays, the largest bay is 3.333m bays.
Left LeanTo: NA
Right LeanTo: NA

Total Kit Weight: 1258.61kg

INTERNAL PORTALS	END PORTALS
Column: C15015 Rafter: C15015 Knee Brace: NA Knee Brace Length: NA Apex Brace: NA Apex Brace Length: NA	Column: C15015 Rafter: C15015 Knee Brace: NA Knee Brace Length: NA Apex Brace: NA Apex Brace Length: NA Endwall Mullion: C15015
LEFT LEAN TO PORTALS	RIGHT LEAN TO PORTALS
Internal Column: NA Internal Rafter: NA End Column: NA End Rafter: NA Knee Brace: NA Knee Brace Length: NA	Internal Column: NA Internal Rafter: NA End Column: NA End Rafter: NA Knee Brace: 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: TH64075	Max Spacing: 1250	Overlap: 10%
Front End Wall Girts: TH64075	Max Spacing: 1250	Overlap: 10%
Back End Wall Girts: TH64075	Max Spacing: 1250	Overlap: 10%
Roof Purlins: TH64075	Max Spacing: 1000	Overlap: 10%

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

FASTENERS
Sleeve Anchor Bolts: M12x75 Sleeve Anchor Yellow Zinc Frame Bolts: M12x30 Purlin Assembly Zinc (Mild) Frame Screws: Frame Screw 14x14x22 Cross Bracing Strap: NA Open Bay Header Height: NA

COLOUR SCHEDULE
Roof Sheets: Colour External Wall Sheets: Colour Roller Doors: Colour Flashings: Colour PA Doors: Colour Windows: NA

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,

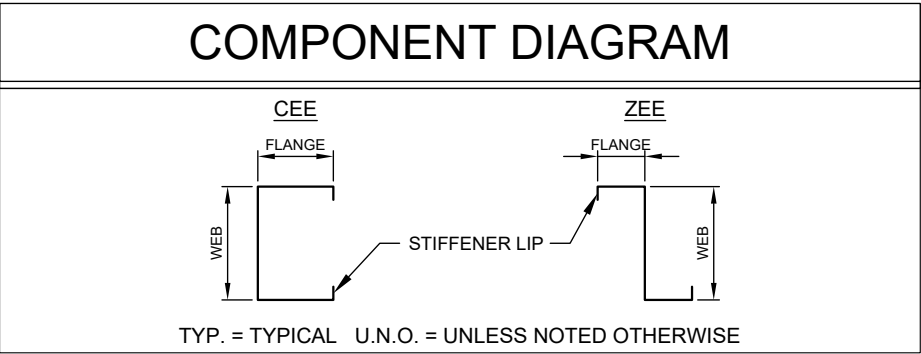
Occupational Health and Safety Regulations and with plans provided.

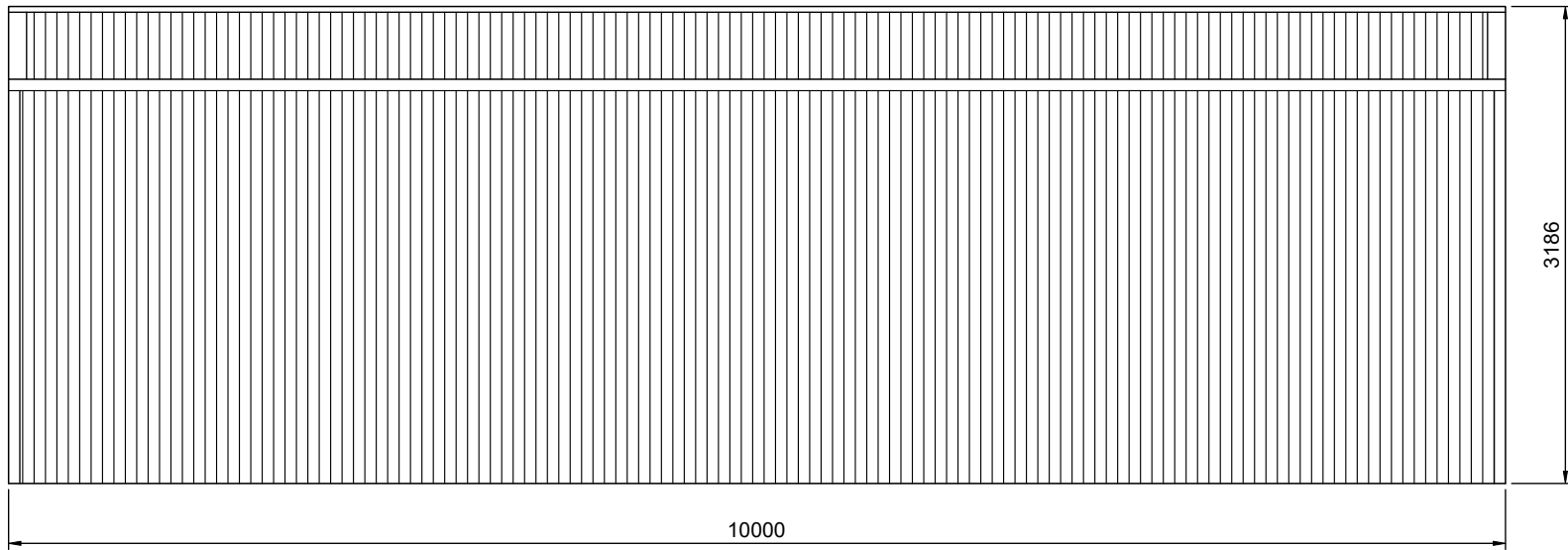
GENERAL

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

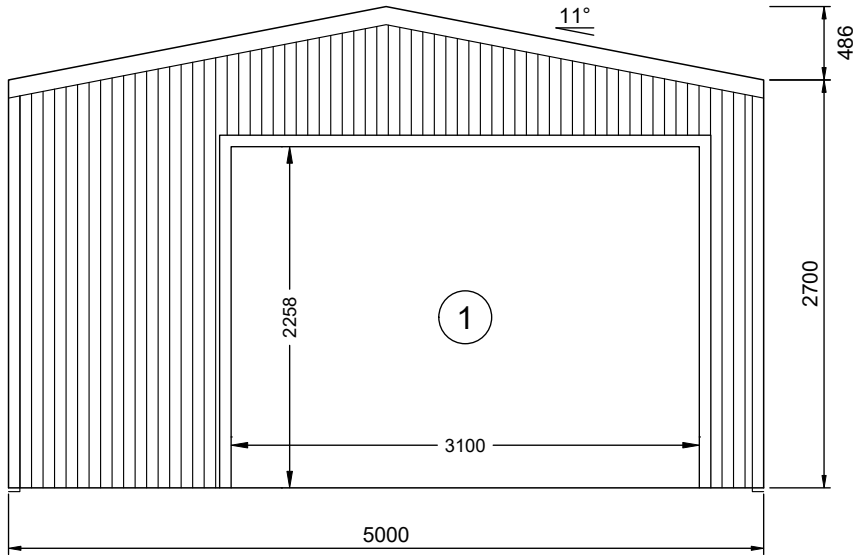
Following conditions only apply to buildings with snow loading:
No maintenance or roof traffic permitted on the roof while there is snow present.
No other structure to be erected within 500mm of the gutters of this building.





2 LEFT ELEVATION

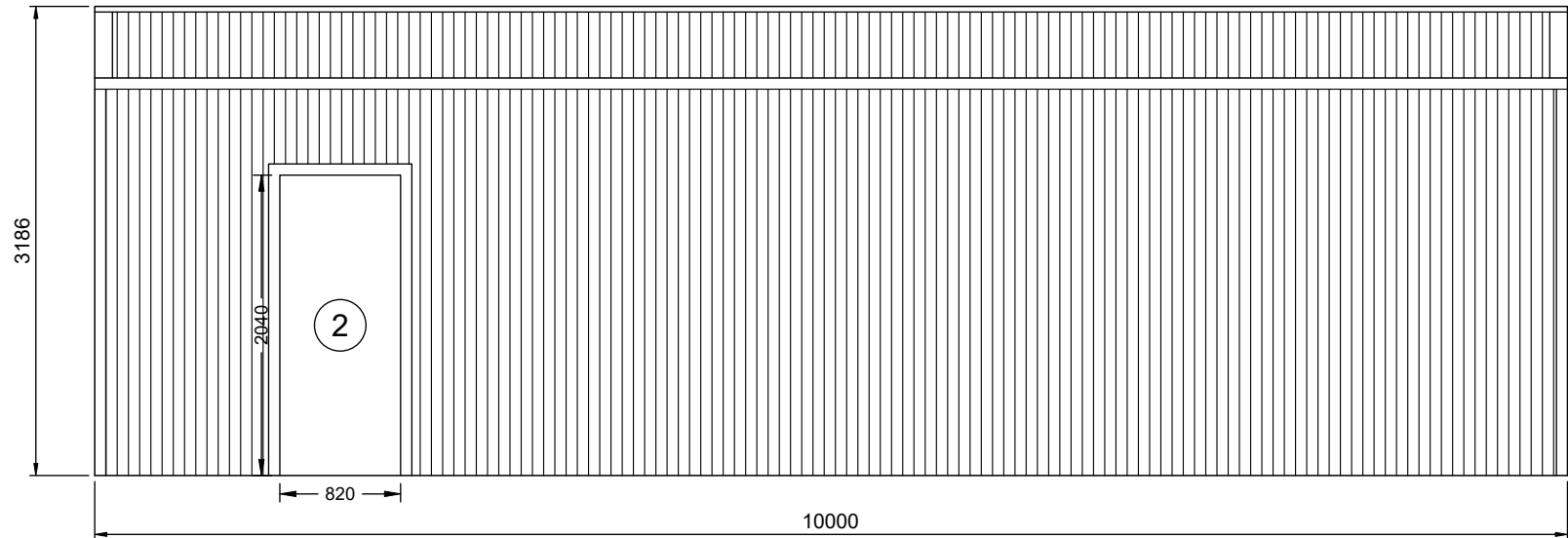
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3 REAR ELEVATION

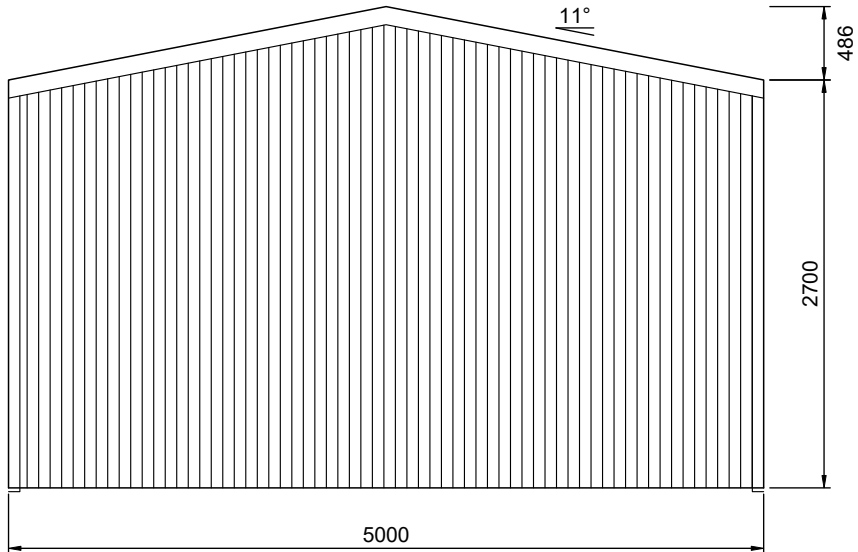
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FRAME #4



1 RIGHT ELEVATION

SCALE: 1:50



4 FRONT ELEVATION

SCALE: 1:50

FRAME #1



151 Smeaton Grange Road,
Smeaton Grange, NSW, 2567
Phone: 02 4648 7777
Fax: 02 4648 7700
Email: sales@bestsheds.com.au



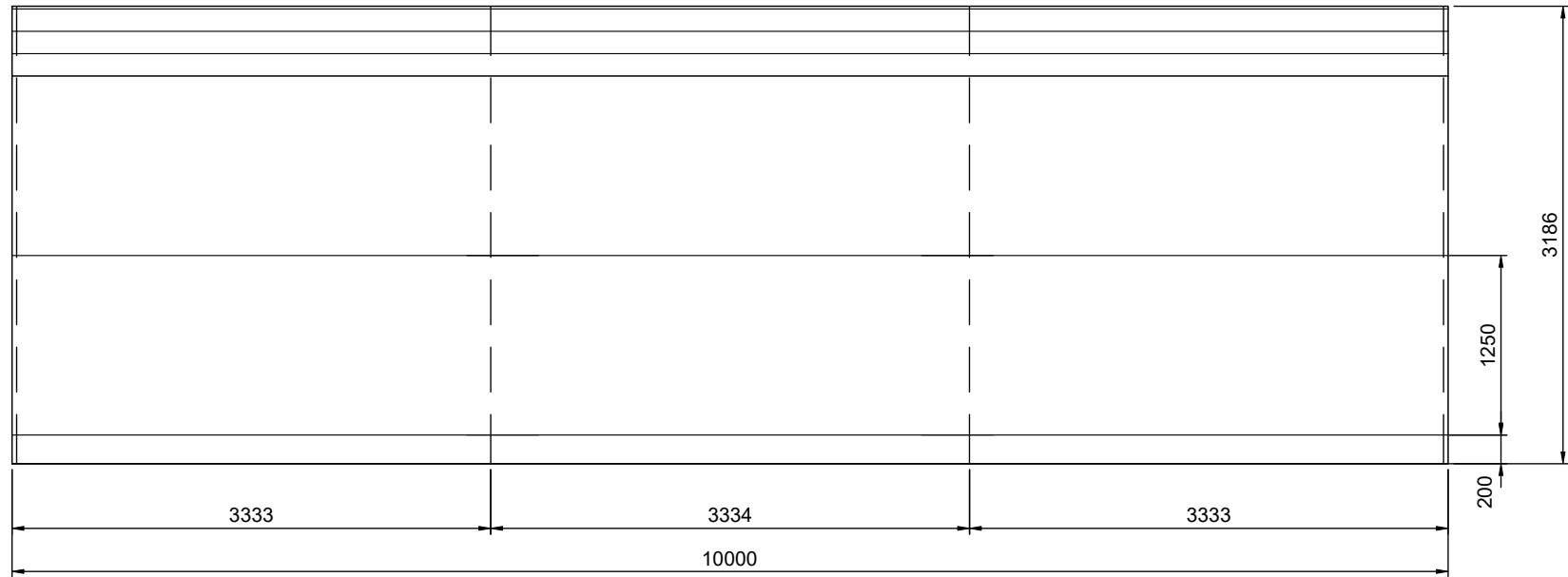
CIVIL & STRUCTURAL ENGINEERS
COMMERCIAL - INDUSTRIAL - RESIDENTIAL - FORENSIC - STEEL DETAILING
CAMILO PINEDA MORENO
Bend MIEAust RPEng
RPEQ 15562 TBP PE003976 (VIC)

Signature:

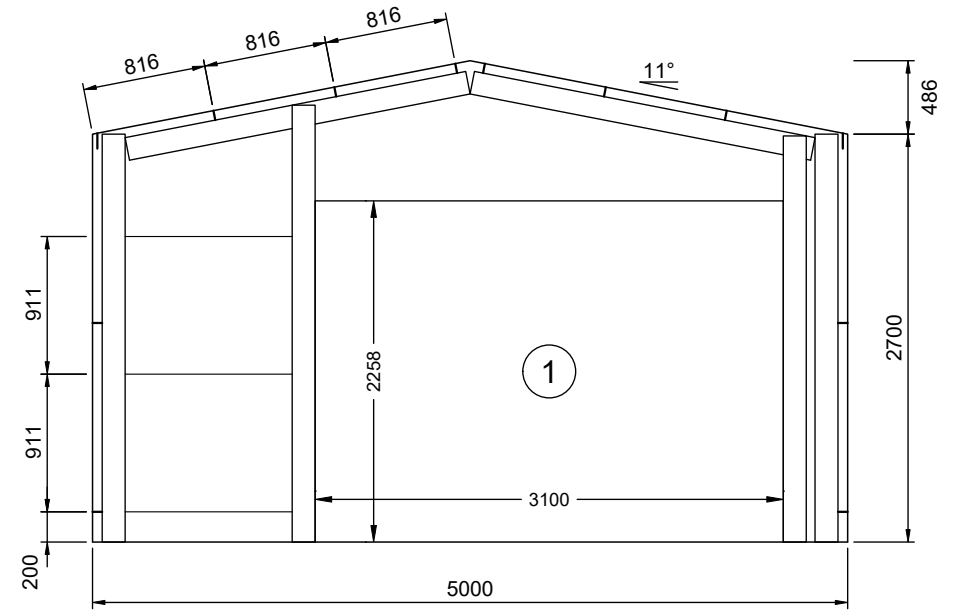
Date: 21.05.2025

Customer Name: Jerromy Russell
Site Address: 50 Combermere St
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NSW, 2580

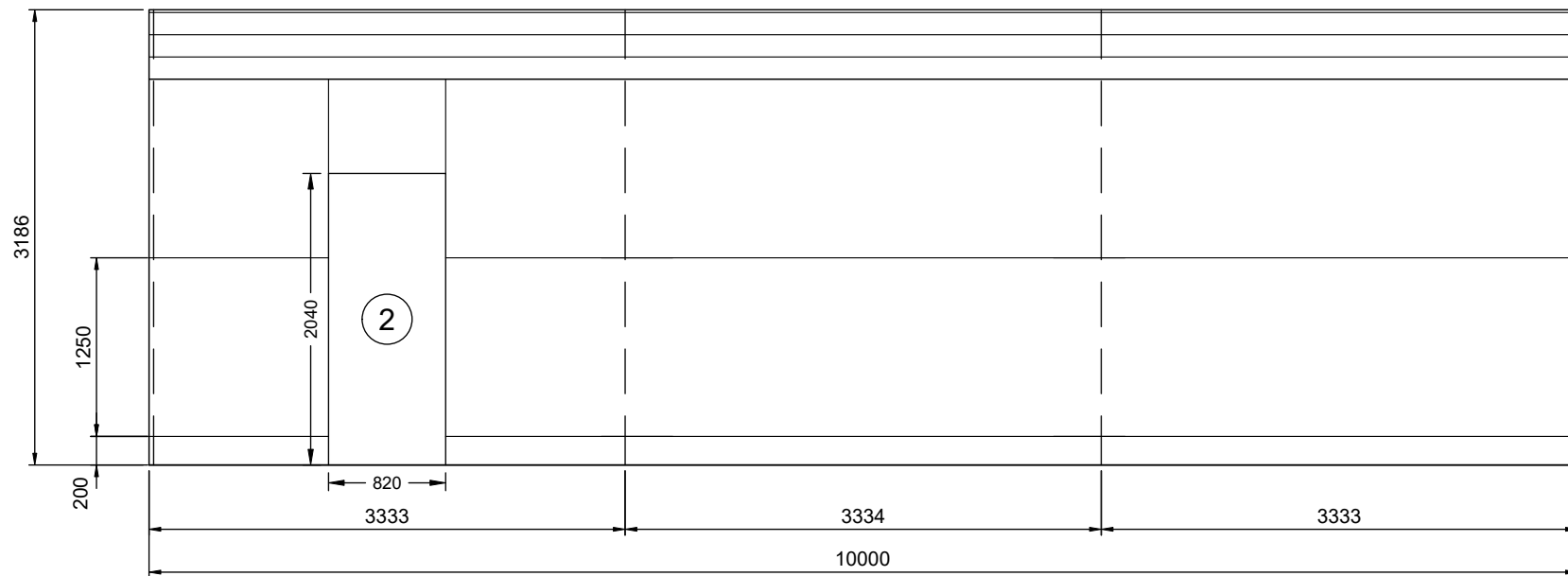
DATE 21-05-2025
JOB NO. 0995666913
SHEET 2 of 8



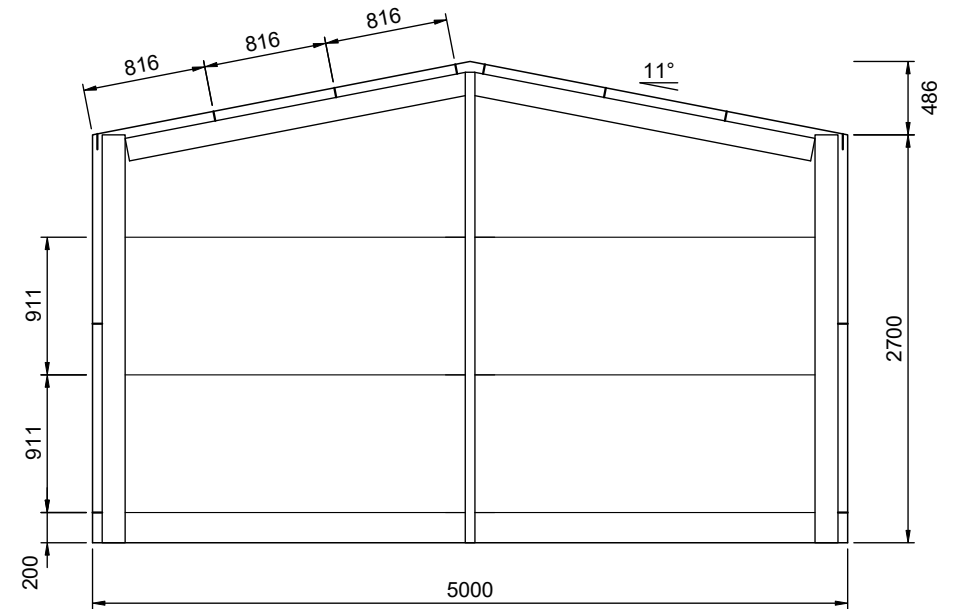
2 LEFT ELEVATION
3 SCALE: 1:50



3 REAR ELEVATION
3 SCALE: 1:50 FRAME #4



1 RIGHT ELEVATION
3 SCALE: 1:50



4 FRONT ELEVATION
3 SCALE: 1:50 FRAME #1



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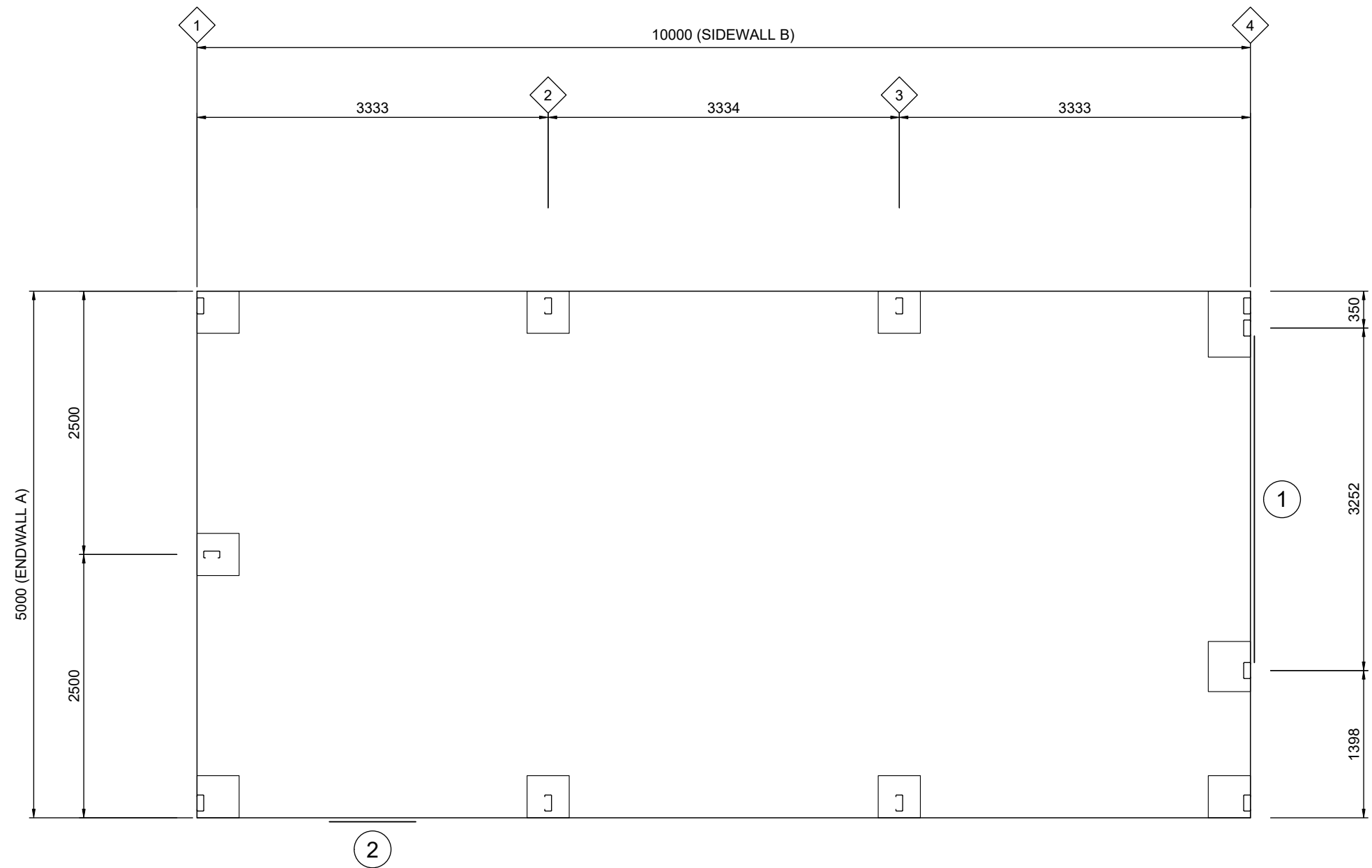
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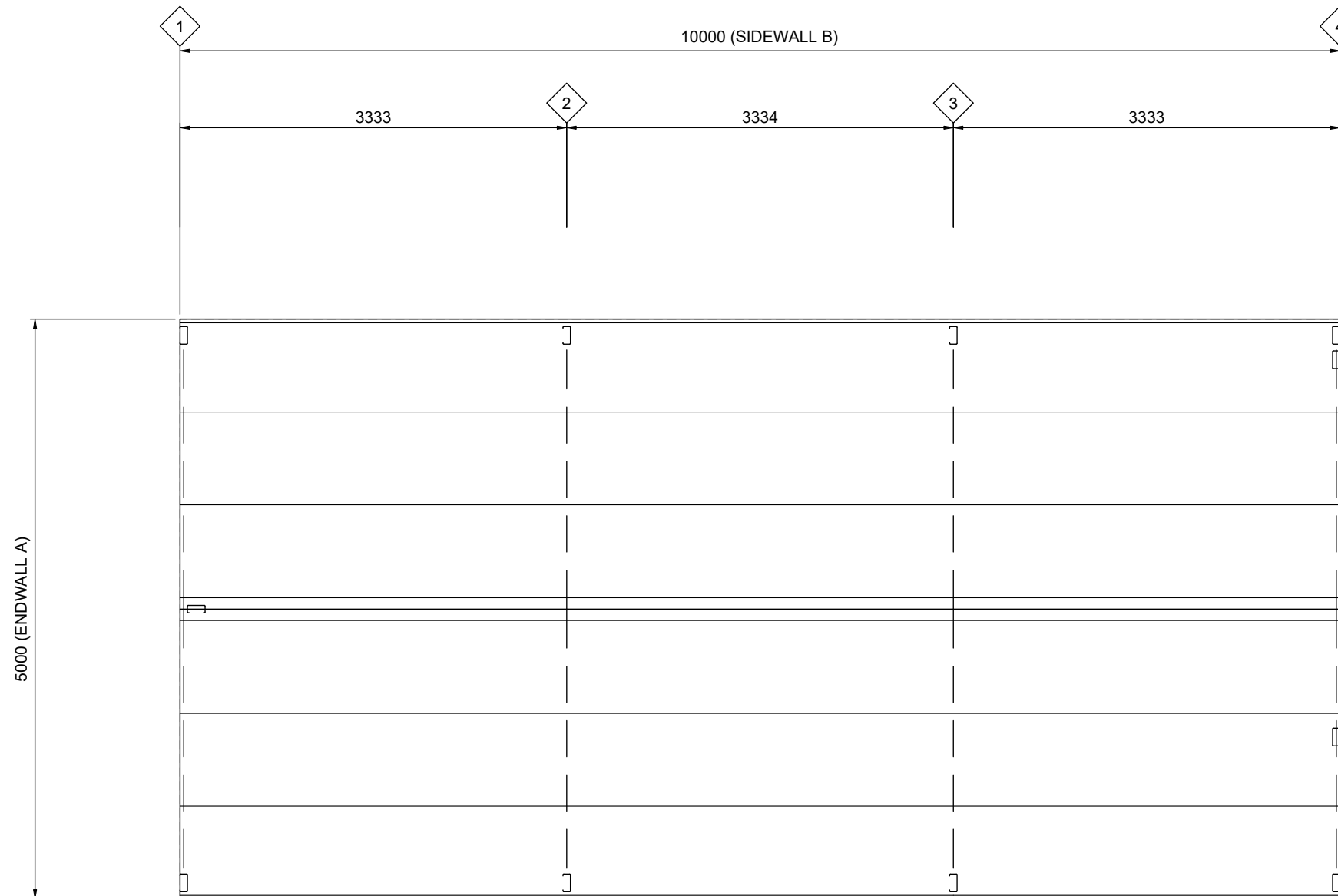
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SHEET 3 of 8



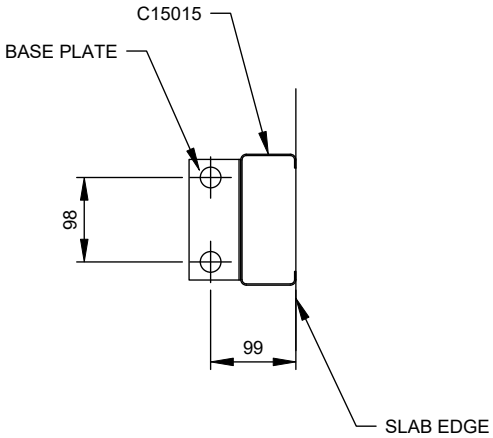
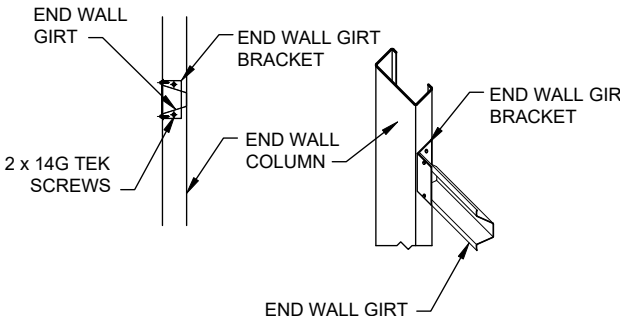
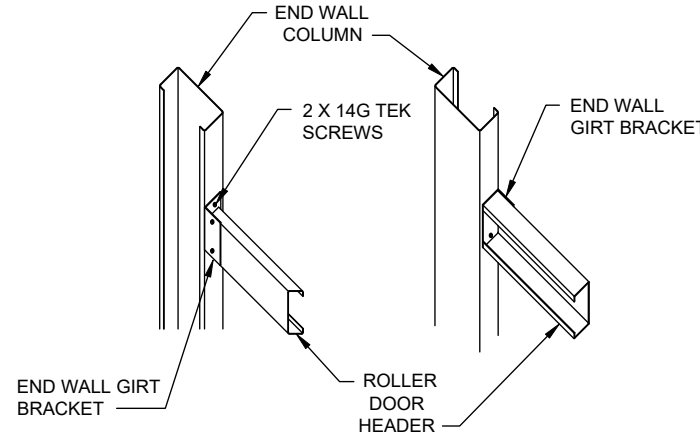
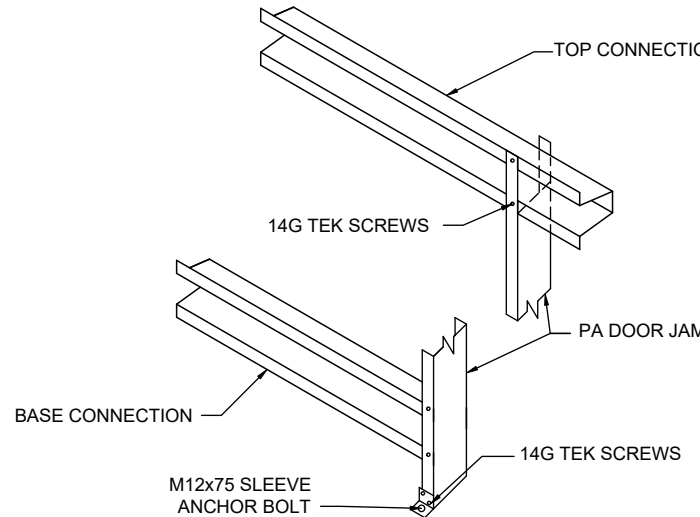
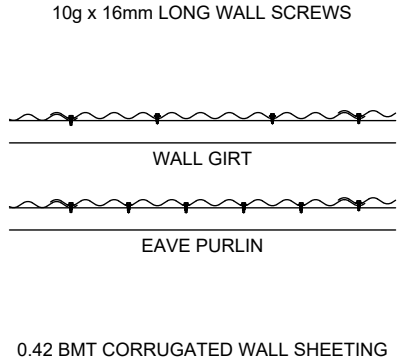
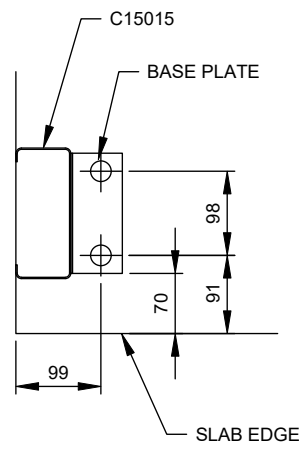
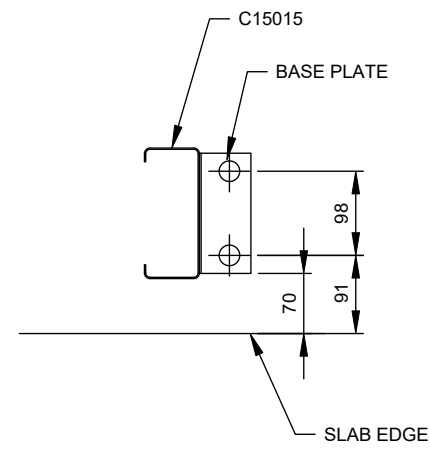
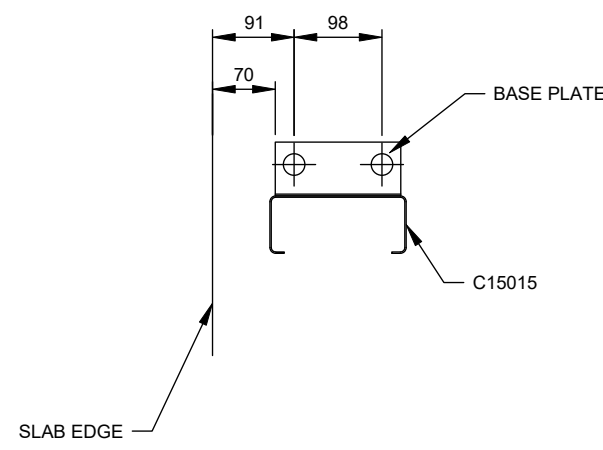
1 4 FLOOR PLAN

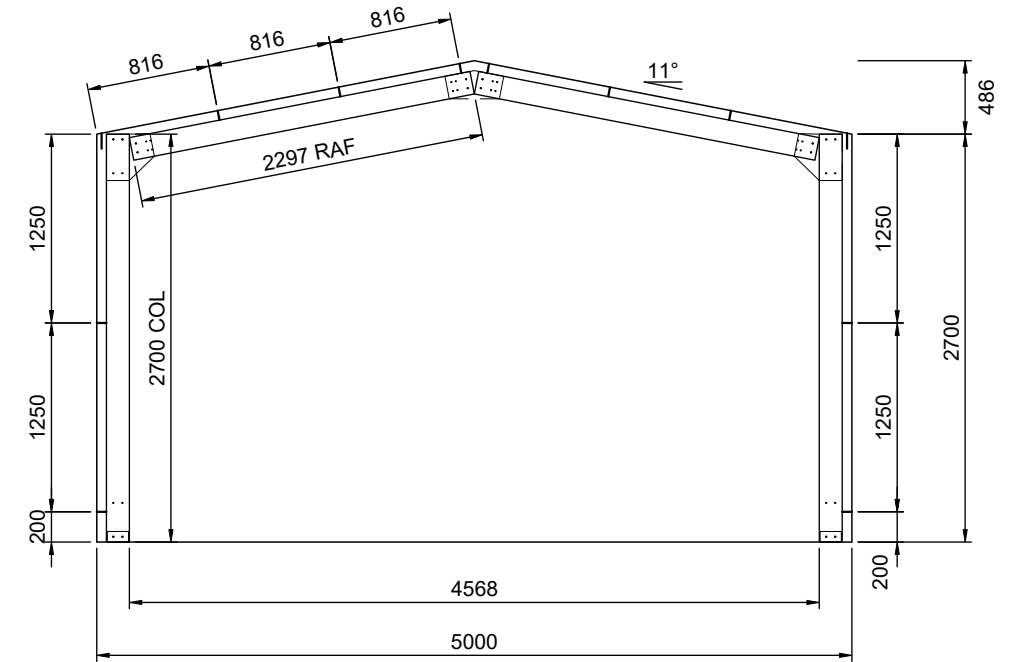
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1 ROOF FRAMING PLAN

5 SCALE: 1:50

			
N ROTATED ENDWALL MULLION BASE	O ENDWALL GIRT BRACKET	P END DOOR HEADER AND JAMB	Q PA DOOR STYLE CONNECTION
			
J WALL SHEETING	K CORNER COLUMN BASE	L INTERNAL COLUMN BASE	M ENDWALL MULLION BASE



1
8

TYP. FRAME CROSS-SECTION

SCALE: 1:50

FRAMES 2, 3