



Application for Planning Approval

Land Use Planning and Approvals Act 1993

APPLICATION NO.

DA2025/137

LOCATION OF AFFECTED AREA

10 BARROB STREET, OLD BEACH

DESCRIPTION OF DEVELOPMENT PROPOSAL

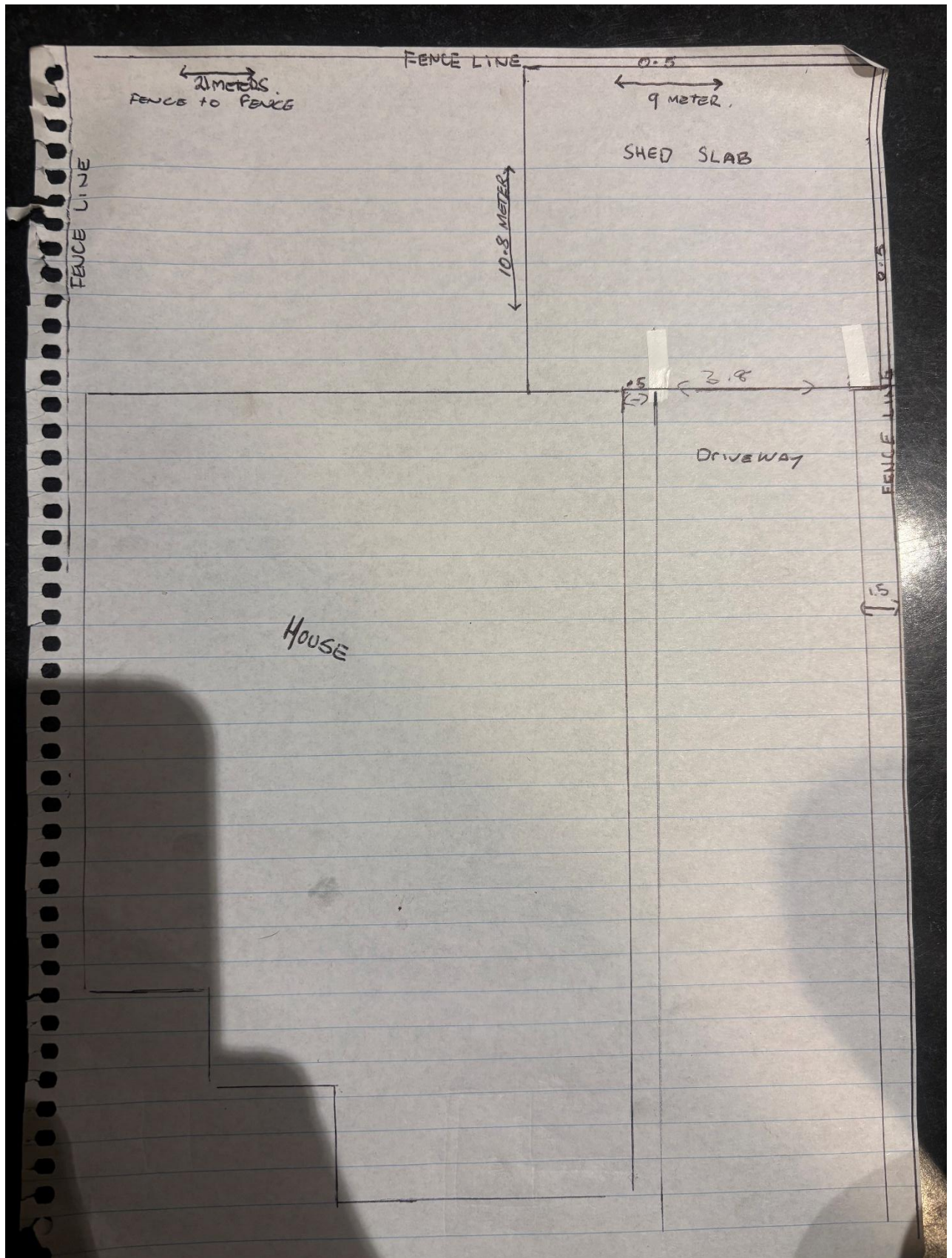
OUTBUILDING

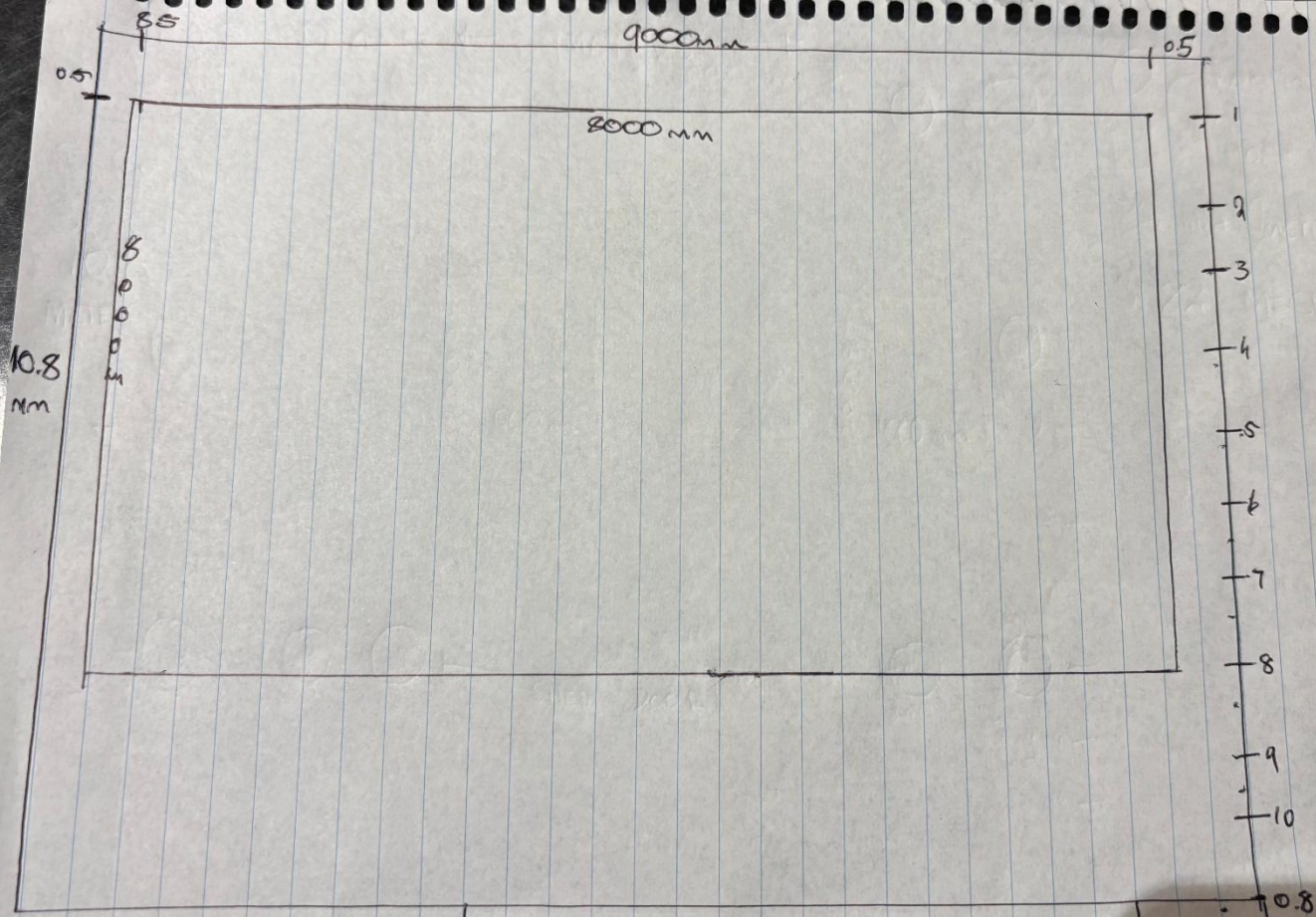
A COPY OF THE DEVELOPMENT APPLICATION MAY BE VIEWED AT www.brighton.tas.gov.au AND AT THE COUNCIL OFFICES, 1 TIVOLI ROAD, OLD BEACH, BETWEEN 8:15 A.M. AND 4:45 P.M, MONDAY TO FRIDAY OR VIA THE QR CODE BELOW. ANY PERSON MAY MAKE WRITTEN REPRESENTATIONS IN ACCORDANCE WITH S.57(5) OF THE LAND USE PLANNING AND APPROVALS ACT 1993 CONCERNING THIS APPLICATION UNTIL 4:45 P.M. ON **15/09/2025**. ADDRESSED TO THE CHIEF EXECUTIVE OFFICER AT 1 TIVOLI ROAD, OLD BEACH, 7017 OR BY EMAIL AT development@brighton.tas.gov.au. REPRESENTATIONS SHOULD INCLUDE A DAYTIME TELEPHONE NUMBER TO ALLOW COUNCIL OFFICERS TO DISCUSS, IF NECESSARY, ANY MATTERS RAISED.

GILLIAN BROWNE
Acting Chief Executive
Officer



Brighton
going places

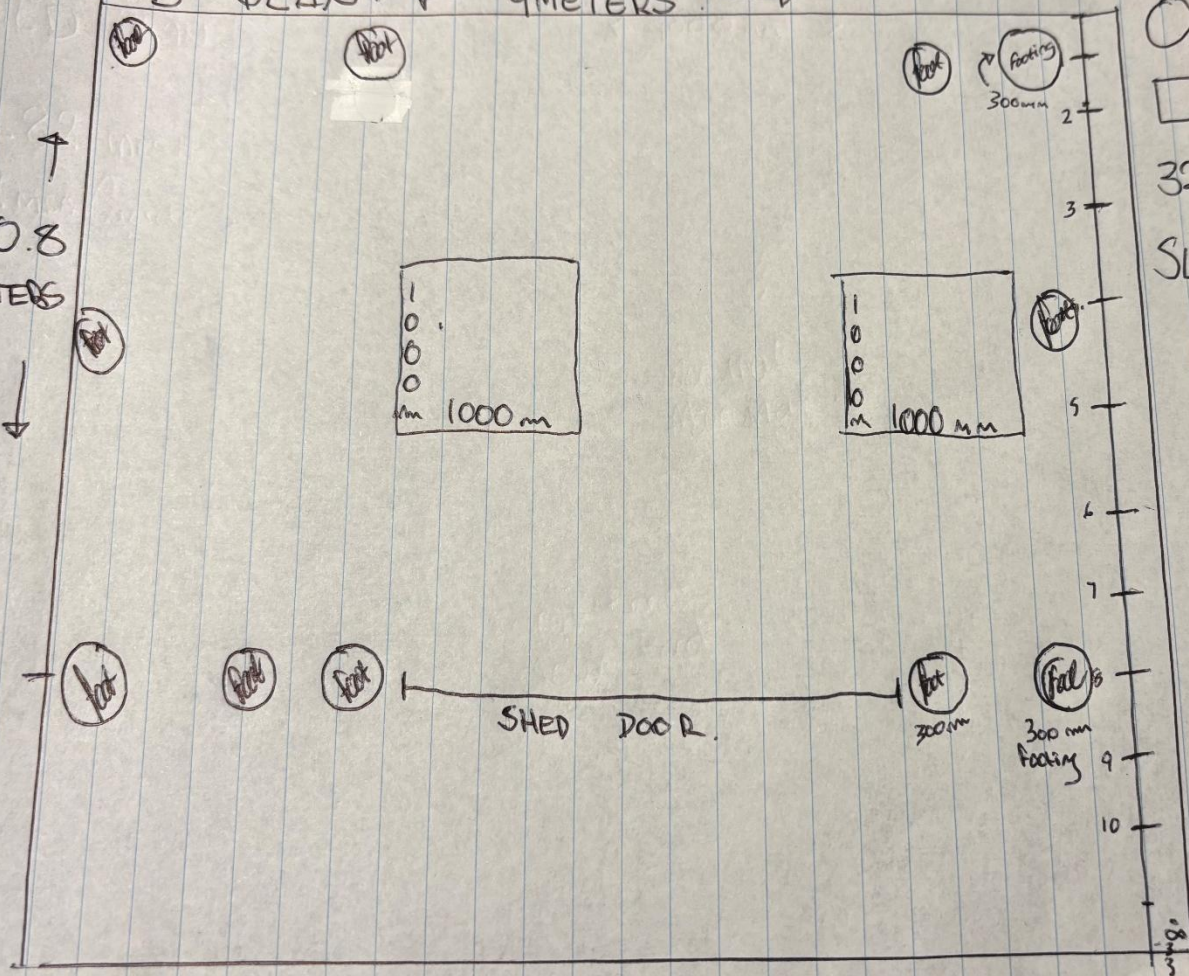




DRIVEWAY

SLAB PLAN. ← 9 METERS →

↑
10.8
METERS
↓



○ = Footing 300mm

□ = Host PADS

32 MPa Concrete.

SL82 MESH.

STRUCTURAL GENERAL NOTES

1.0 General

- 1.1 These drawings are
 - a) Jointly owned by Steeline and Venn Engineering Pty Ltd
 - b) Provided for the sole purpose of obtaining building approval and guiding construction of a single building at the job address shown in the title block
 - c) Prohibited to be used for any other purpose without written authorisation from Steeline and Venn Engineering Pty Ltd.
 - d) Only valid if signed by the engineer and must not be altered in any way without signed approval from the engineer.
 - e) Produced to scale but dimensions shall not be obtained by measuring the drawings. All dimensions are in millimeters unless stated otherwise.
- 1.2 The engineer accepts no liability or responsibility for the contents of drawings that are invalid.
- 1.3 The word 'the engineer' used in these notes refers to an employee or nominated representative of Venn Engineering Pty Ltd.
- 1.4 The engineer is not the project manager or site supervisor for this project. It is the responsibility of the project manager or site supervisor in charge to ensure that the non-structural requirements of the Governing Building Code are considered and appropriately designed. This includes, but not limited to, fire & bushfire design, access requirements, future roof access requirements, lighting, glazing and electrical design, etc.

2.0 Structural Design

- 2.1 The structural framing components detailed in these drawings have been designed in accordance with the following documents for the design criteria detailed in these notes
- | | |
|-----------------------------------|--|
| Governing Building Code | 2022 National Construction Code – Building Code of Australia Volume 2 and 2022 Housing Provisions Standard |
| Loading Standards | AS/NZS 1170.0:2002(+A5)
AS/NZS 1170.1:2002(+A2)
AS/NZS 1170.2:2021 |
| Cold formed Steel member standard | AS/NZS 4600:2018 |
- 2.2 These drawings are also the limit of the Structural Design, any requirements for additional structural design of other items included in the project are specifically excluded if not shown on these drawings. This includes, but not limited to, requirements for additional loads that aren't specified including flood design loads, additional roof loads from solar panels, retaining walls required on site, driveway design etc.
- 2.3 These structural drawings and specifications represent the finished structure. The building is not considered complete until the installation of all components and details shown herein are installed according to the drawings.
- 2.4 No alterations are to be made to this structure without written approval of the engineer. This includes, but not limited to, modification to the plans and/or specifications, be the installation of additional openings, increased roof loads, skylight roof sheets or removal of cladding. If changes are made without written approval, such changes shall be the legal and financial responsibility of the contractor or sub-contractors involved and it shall be their full responsibility to replace or repair the condition of the building as directed by the engineer.

3.0 Design Criteria

Building class.....	10a
Building Importance level.....	2
Wind region.....	A4
Terrain category.....	3
Topographic multiplier.....	1.06
Shielding multiplier.....	1
Ultimate design wind speed.....	39.6 m/s
Snow load.....	0.00 kPa
Slab imposed load.....	2.5 kPa or 9kN applied over 0.3x0.3m area (light vehicles)
Allowable bearing capacity of foundation supporting footings.....	100 kPa
Allowable bearing capacity of foundation supporting slab.....	50 kPa
Allowable skin friction of foundation.....	25 kPa
Soil Type.....	Non-aggressive (not saline or acid sulfate)

4.0 Installation Building Contractor Responsibilities

- 4.1 The contractor shall verify and confirm all site conditions and dimensions. Any discrepancies between drawings and site conditions shall be referred to the engineer for decision before proceeding with the work.
- 4.2 All workmanship and materials are to be in accordance with the Governing Building Code including all relevant Australian Standards and local statutory authorities except where varied by the contract documents.
- 4.3 The contractor shall be responsible for maintaining the structure in a stable condition and ensuring no part is overstressed under construction activities. They shall provide all temporary bracing, shoring or other means to avoid excessive stresses and to hold structural elements in place during erection. These temporary provisions shall remain in place until sufficient permanent members are erected to ensure the safety of partially erected structures. The contractor is responsible for meeting all laws regulating the erection of steel buildings including, but not limited to, Safe Work Australia guidelines.
- 4.4 The contractor shall be responsible for the location of all services in the vicinity of the works. Any services shown are provided for information only. The contractor shall confirm the location of all services prior to commencing and shall be responsible for the repair of any damage caused to services, as well as any loss incurred because of the damage to any service.

5.0 Foundation

- 5.1 The bearing capacity of the foundation supporting the footings and slab shall be confirmed before any concrete is placed.
- 5.2 No earth or debris is to fall into the footings or piers before and during placing of concrete.
- 5.3 All footings shall be located centrally under walls and columns unless noted otherwise.
- 5.4 Concrete embedment depths do not apply to locations where any uncompacted fill or disturbed ground exists or where walls of the excavation will not stand without support. Request further advice from the engineer in these circumstances.
- 5.5 Fill used for the support of a slab on ground shall be controlled fill or rolled fill as in accordance with clause 6.4.2 of AS 2870-2011.
- 5.6 Slabs less than 100sq.m in plan area are suitable for AS 2870-2011 site classes A, S & M. For larger slabs or for site classes M-D, H1, H1-D, H2, H2-D, E & E-D, the slab may experience cracking more than is considered normally acceptable. The cracking is considered of aesthetic concern only and should not effect the structural performance of the slab or shed. If this is not desired, contact the engineer for further advice.

6.0 Concrete

- 6.1 Concrete placement and workmanship shall be in accordance with AS 3600-2018 & AS 2870-2011.
- 6.2 Concrete shall be
 - a) N25 with slump of 100 mm in accordance with AS 1379-2007, with 20 mm maximum nominal aggregate size and no admixtures.
 - b) consolidated by mechanical vibration.
 - c) Cured for a minimum of 7 days using continuous ponding with potable water.
- 6.3 No holes, chases or embedment of pipes other than those shown on the drawings shall be made in concrete members without prior approval of the engineer.
- 7.0 Reinforcement**
 - 7.1 Reinforcement shall comply with AS/NZ 4671-2019.
 - 7.2 Reinforcement is represented diagrammatically and not necessarily shown in true projection.
 - 7.3 Welding of reinforcement shall not be permitted without the approval of the engineer.
 - 7.4 All reinforcement shall be securely supported in its correct position ensuring the correct cover during placing of concrete by approved bar chairs, spacers or support bars.
Approved chairs include stainless steel or plastic bar chairs for bottom reinforcement and plastic tipped wire bar chairs for top reinforcement.
All chairs to be spaced at maximum of 750mm centres.
 - 7.5 Cover to reinforcement shall be:
 - a) 50mm for surfaces of concrete in contact with the ground;
 - b) 30mm for top surfaces of slabs fully enclosed by the building without open bays or
 - c) 60mm for top surfaces of slabs more than 1 km from the coastline with open bays.
 - d) For buildings with open bays within 1km of the coast, contact the engineer for cover and concrete grade requirements.
 - 7.6 Reinforcement shall be lapped 500mm for 12mmØ bars and 800mm for 16mmØ bars.
 - 7.7 Mesh reinforcement shall be lapped such that the two outermost wires of one sheet overlap the two outermost wires of the other sheet by 25 mm.
 - 7.8 Hooks, bends and cogs to be in accordance with AS 3600-2018 unless noted otherwise on drawings.

8.0 Anchor Bolts

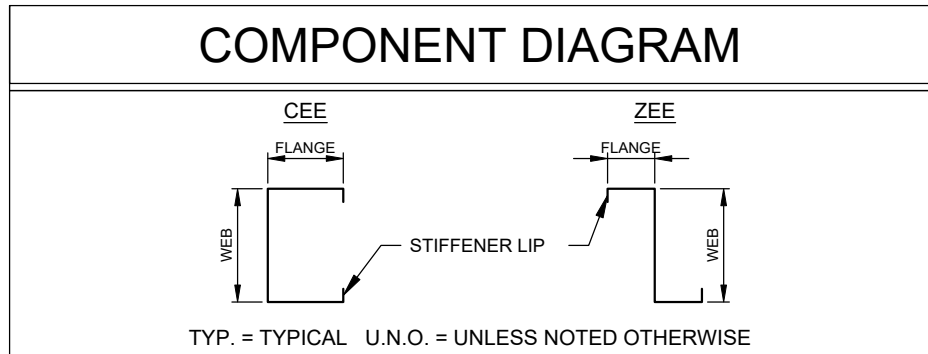
- 8.1 All anchors bolts shall be installed in accordance with the manufacturer's installation instructions.
- 8.2 Drill holes using a percussion drill (coreing not permitted) to the correct hole diameter and depth as specified in the drawings.
- 8.3 Thoroughly clean and blow the dust out of the holes using the cleaning accessories prescribed by the manufacturer's instructions.
- 8.4 Substitution of anchors bolts and chemical epoxy adhesive is not permitted unless written confirmation from the engineer is provided.
- 8.5 For chemical anchors, ensure load is not applied to the anchors whilst epoxy adhesive is curing.

9.0 Light Gauge Cold-formed Steel

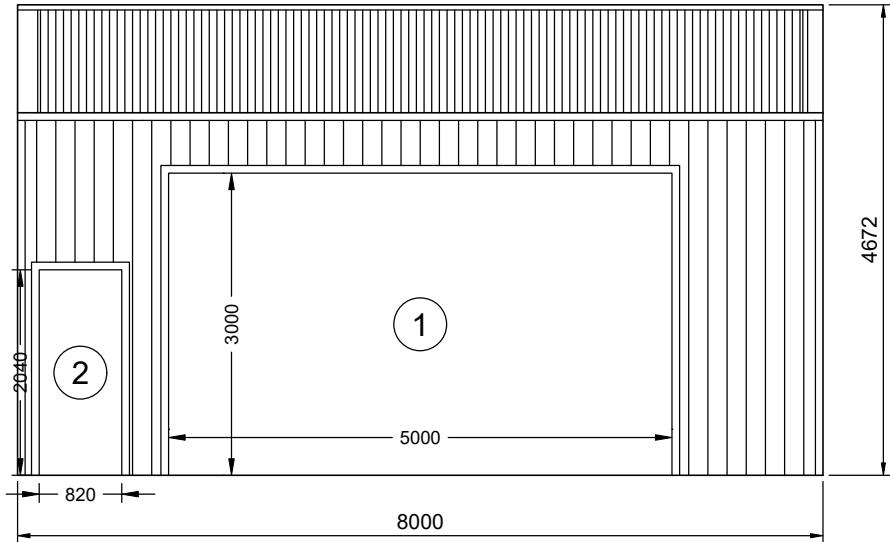
- 9.1 All light gauge cold-formed steel shall comply with AS 1397-2021 and be the following grades
- | Thickness(mm) | Steel grade (yield stress, MPa) | Protective coating (g/m ²) |
|---------------------|---------------------------------|--|
| BMT ≤ 1.0mm | G550 | Z350 |
| 1.0mm < BMT < 1.5mm | G500 | Z350 |
| 1.5mm ≤ BMT ≤ 3.0mm | G450 | Z350 |
- 9.2 Welding of light gauge cold-formed steel shall not be permitted.
- 9.3 Column and rafter members shall not be drilled or notched without prior approval of the engineer.
- 9.4 Round holes may be drilled through any girt or purlin member within the middle third of the depth of that member and not within 600mm of member end unless noted otherwise.
- 9.5 All bolts used to connect light gauge cold-formed steel members shall be
- a) Zinc coated M12 (min.) grade 4.6 snug tightened complying to AS 1111.1-2015 & AS 1112.3-2015 unless noted otherwise.
 - b) Spaced no less than 3 bolt diameters between centres.
 - c) Located no less than 1.5 bolt diameters from bolt centre to the end or edge of any light gauge member.
- 9.6 All screws used to connect light gauge cold formed steel members (excluding sheeting) shall be
- a) 10g (min.) self-drilling screws complying with AS 3566.1-2002.
 - b) Corrosion resistance class 4 in accordance with AS 3566.2-2002 for buildings within 1 km from the coastline with open bays or class 3 otherwise.
 - c) Spaced no less than 3 bolt diameters between centres.
 - d) Located no less than 1.5 bolt diameters from bolt centre to the end or edge of any light gauge member.

10.0 Roof & Wall Sheeting

- 10.1 Roof & wall sheeting shall comply with AS 1397-2018 and have suitable corrosion protection complying with Table 7.2.2a of the 2022 Housing Provisions Standard.
 - 10.2 During construction and maintenance, no foot traffic shall occur within end spans of sheeting, foot traffic shall occur
 - a) Evenly across at least two ribs for corrugated profiled sheeting or
 - b) In the pans for pan-type profiled sheeting.
 - 10.3 Any roof skylights shall be approved by the engineer
 - 10.4 Safety mesh shall be installed in accordance with the building code
- 11.0 Door & Window Components**
- 11.1 Wind-locked roller doors are assumed to remain in-place and resist the ultimate limit state wind loading except for in cyclonic regions
 - 11.2 Non-wind-locked roller doors are assumed to have failed at the ultimate limit state wind loading
 - 11.3 Personal access doors shall be rated for the wind loading parameters stated in the design criteria (see section 3.0)
 - 11.4 All windows shall be in accordance with AS 1288-2021 & AS 2047-2014(+A2) as appropriate for the wind loading parameters stated in the design criteria (see section 3.0)



REV	DATE	DESCRIPTION	 <p>COLD FORMED BUILDINGS</p> <p>ANOTHER COLD FORMED BUILDING DESIGNED BY ACT BUILDING SYSTEMS</p>	 <p>VENN ENGINEERING</p> <p>PO Box 3084 THIRROUL NSW 2515 sheds@venn.engineering ABN 39 626 802 257</p>	<p>Signed  Date 20-08-2025</p> <p>Grant J Wood MIEAust CPEng NER RPEQ Registered EA Chartered Professional Engineer (No. 2383009) Registered Professional Engineer QLD (No. 14384) Registered Civil Engineer Building Practitioner VIC (No. PED002499) Registered Certifying Engineer (Structural) NT (No. 30637IES) Building Services Provider (Engineer Civil) TAS (No. 60030425)</p>	<p>Customer Name: Jordon Cowen Site Address: 10 Barrob street Old beach, TAS, 7017</p>	<p>DATE 20-08-2025 JOB NO. LAUS1015005115 SHEET 1 of 9</p>
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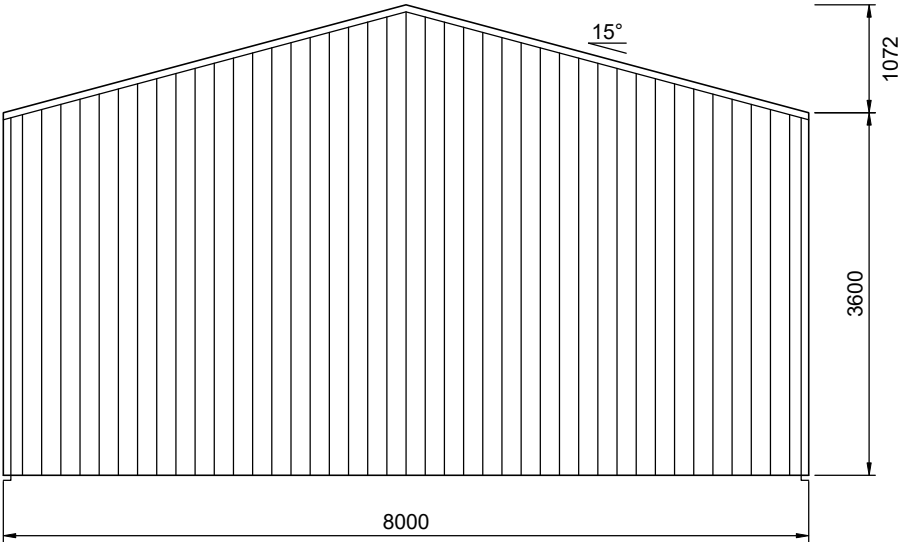


2

2

SIDEWALL B BUILDING ELEVATION

SCALE: 1:75

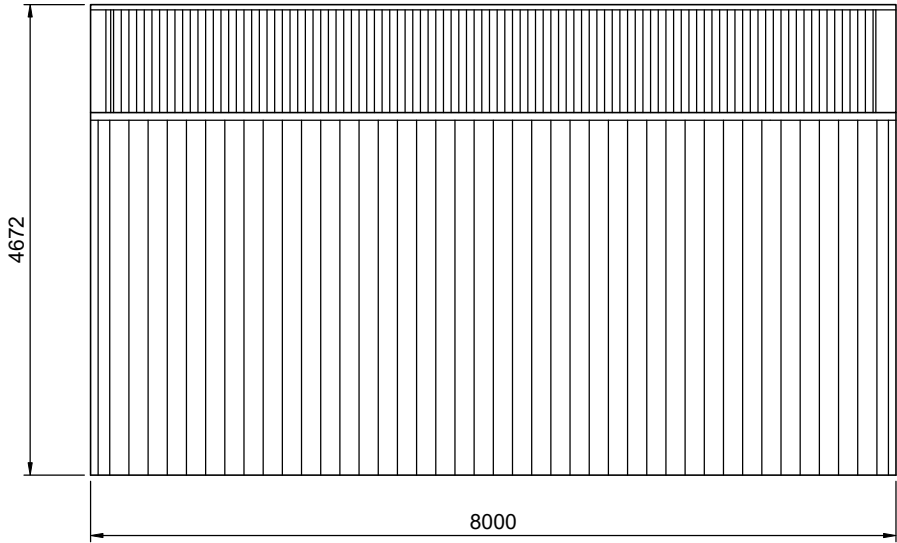


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2

REAR BUILDING ELEVATION

SCALE: 1:75

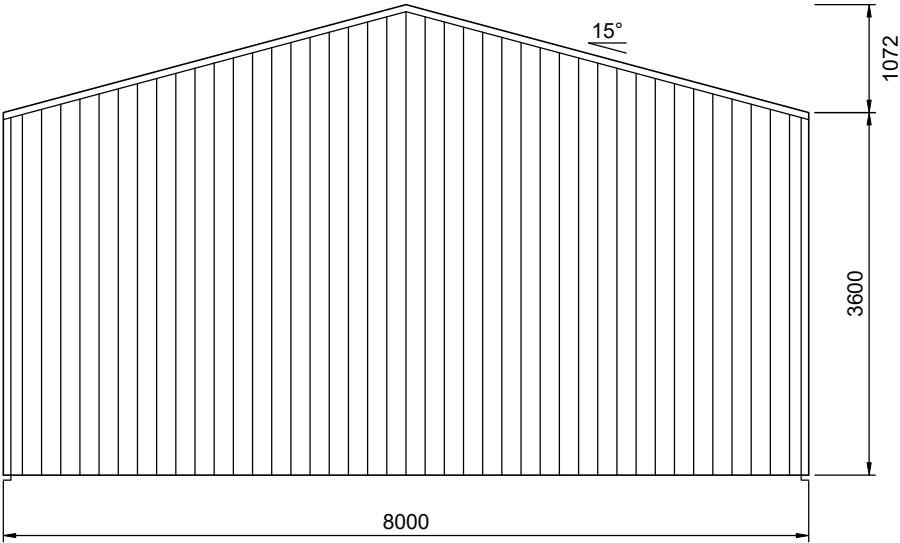


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2

SIDEWALL A BUILDING ELEVATION

SCALE: 1:75

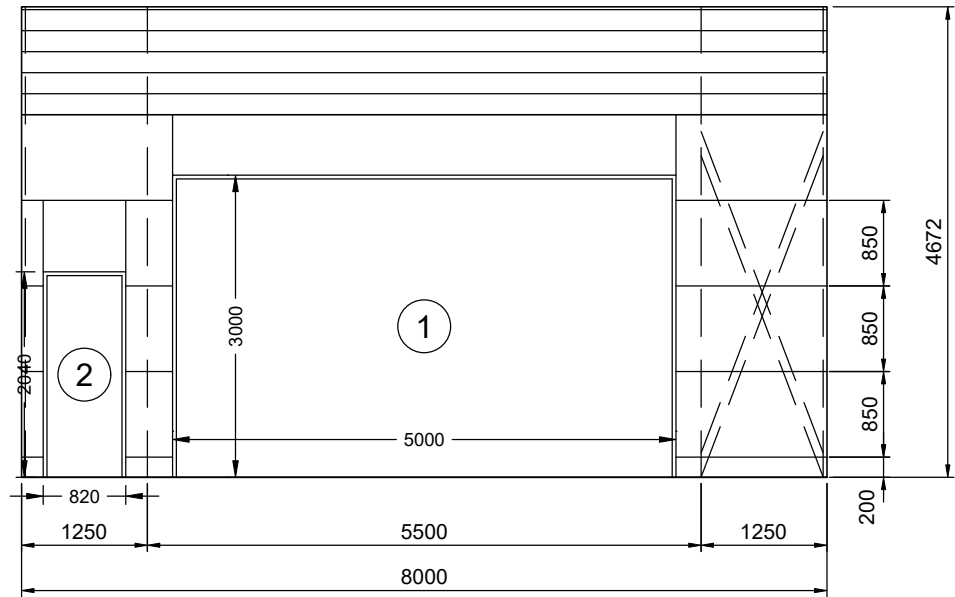


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FRONT BUILDING ELEVATION

SCALE: 1:75



2

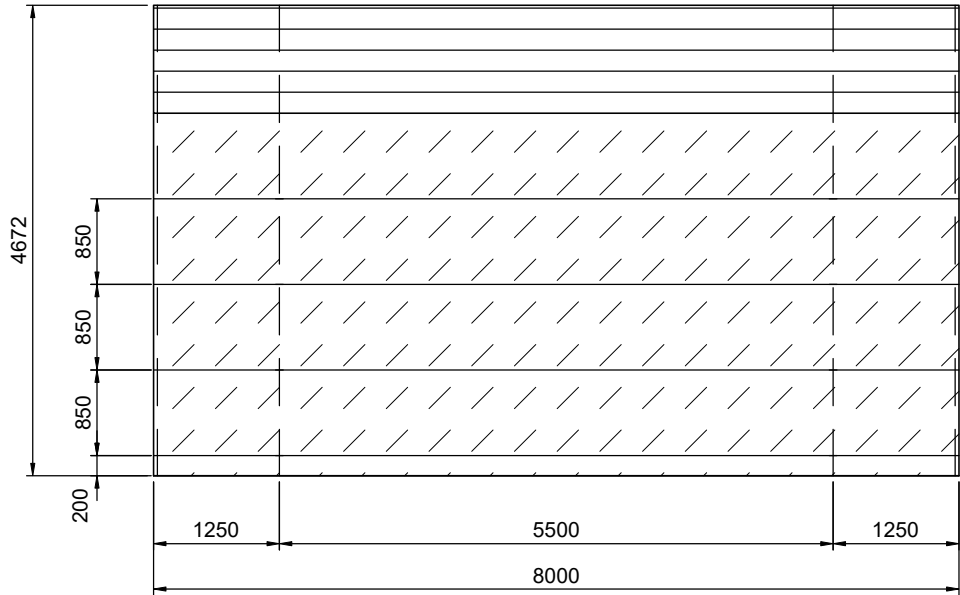
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SIDEWALL B FRAMING ELEVATION

SCALE: 1:75

DIAPHRAGM SCHEDULE
SHEETING IN DIAPHRAGM SECTIONS (SHOWN
AS HATCHED AREA ON ELEVATIONS) NOT TO
BE CUT UNDER ANY CIRCUMSTANCES

WALL	DISTANCE FROM WALL EDGE
Sidewall 'A'	0-8000
Endwall 'A'	0-8000
Endwall 'B'	0-8000

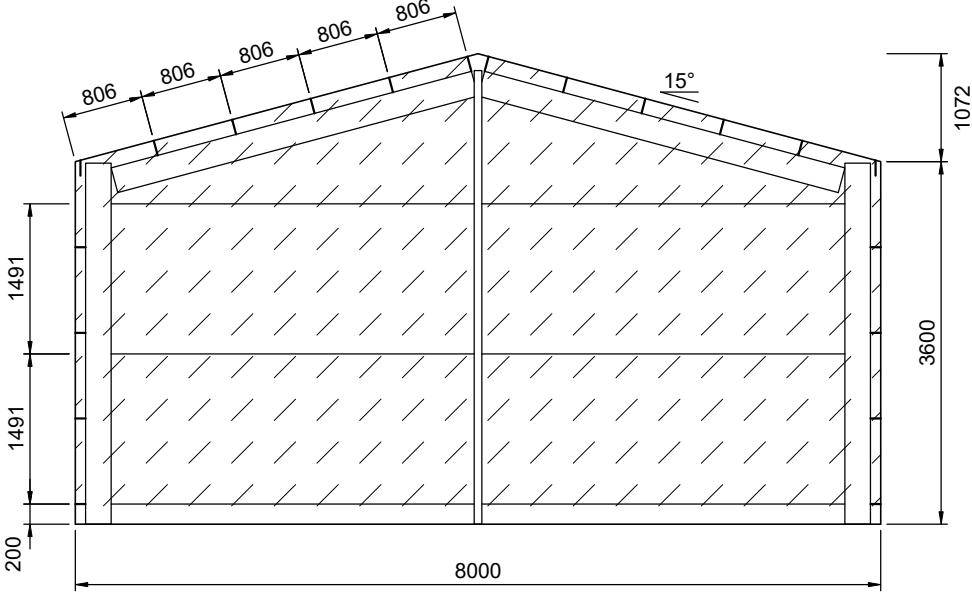


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3

SIDEWALL A FRAMING ELEVATION

SCALE: 1:75



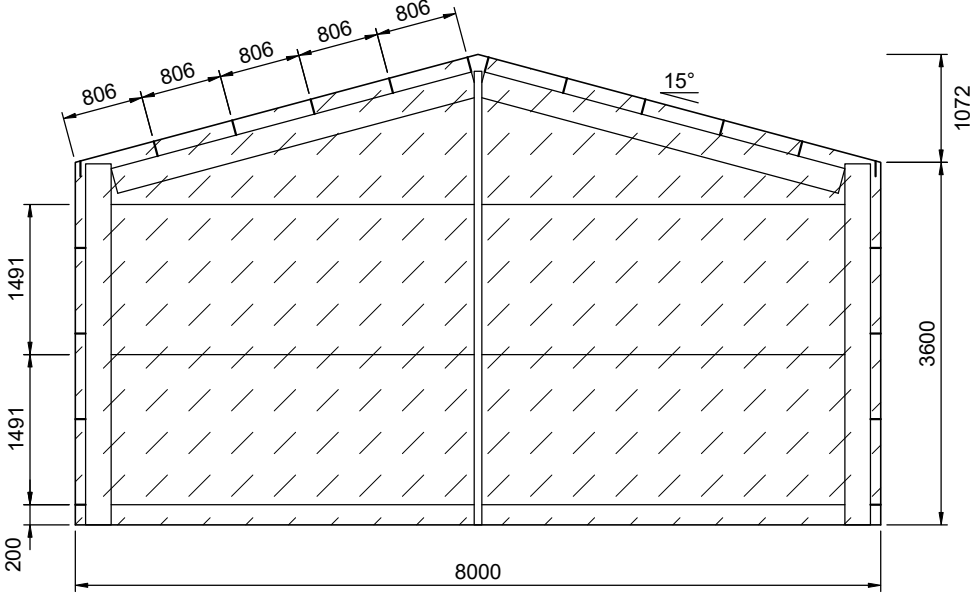
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3

REAR FRAMING ELEVATION

SCALE: 1:75

FRAME #4



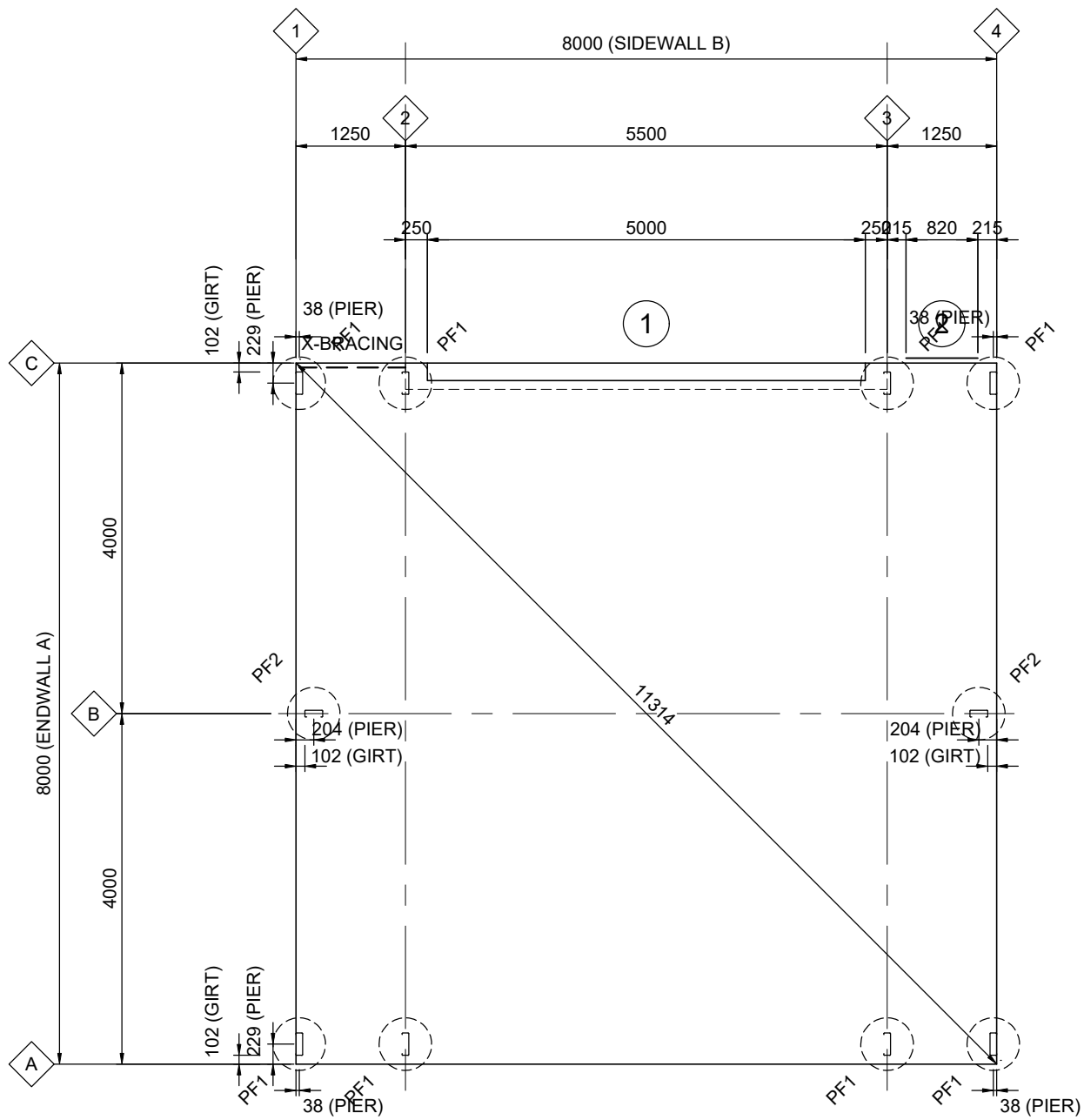
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3

FRONT FRAMING ELEVATION

SCALE: 1:75

FRAME #1



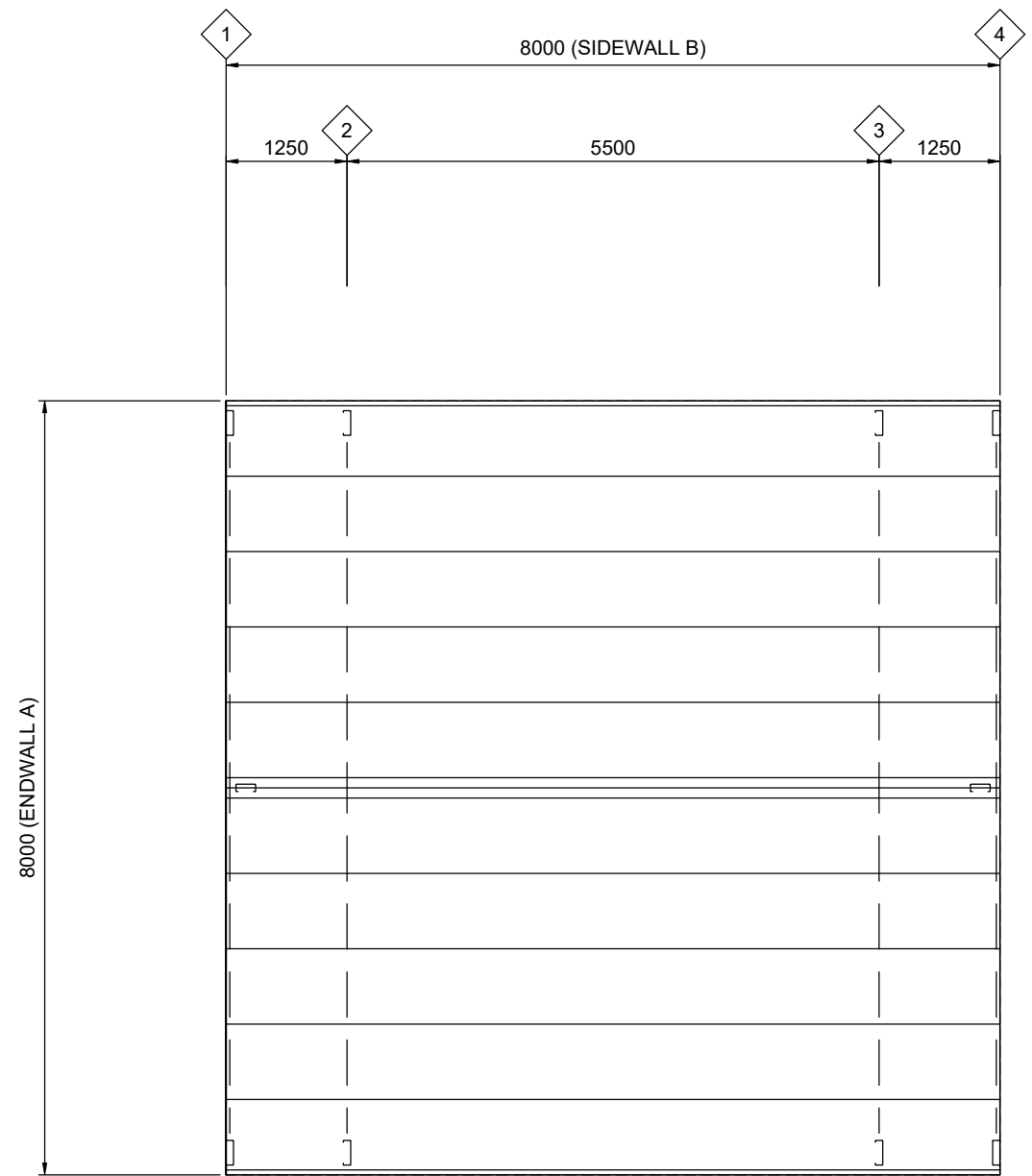
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4

FOOTING/SLAB FLOOR PLAN

SCALE: 1:75
PF1 - 600Ø REINFORCED CONCRETE PIERS TO DETAIL
PF2 - 600Ø REINFORCED CONCRETE PIERS TO DETAIL

SLAB IS DESIGNED FOR CARS AND LIGHT VANS
NOT EXCEEDING 3500kg GROSS MASS

CONCRETE CONTROL JOINTS SHALL BE PROVIDED IN SLAB TO DETAIL AT
NOT MORE THAN 10m CENTRES IN EACH DIRECTION, APPROXIMATELY
EQUALLY SPACED AND LOCATED APPROXIMATELY MIDWAY BETWEEN
COLUMNS/MULLIONS



2
4

ROOF FRAMING PLAN

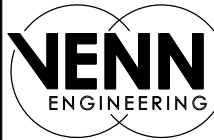
SCALE: 1:75

ROOF SHEETING IS USED AS DIAPHRAGM TO BRACE THE
BUILDING AND IS NOT TO BE CUT UNDER ANY CIRCUMSTANCES

REV	DATE	DESCRIPTION
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ANOTHER
COLD FORMED BUILDING
DESIGNED BY
ACT BUILDING SYSTEMS



PO Box 3084
THIRROUL NSW 2515
sheds@venn.engineering
ABN 39 626 802 257

Signed

Grant J Wood

Date 20-08-2025

Grant J Wood MIEAust CPEng NER RPEQ
Registered EA Chartered Professional Engineer (No. 2383009)
Registered Professional Engineer QLD (No. 14384)
Registered Civil Engineer Building Practitioner VIC (No. PE0002499)
Registered Certifying Engineer (structural) NT (No. 306371ES)
Building Services Provider (Engineer Civil) TAS (No. 69030425)

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Site Address: 10 Barrob street
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<p>ZEE PURLIN OR GIRT</p> <p>AT PURLINS OUTER MOST FLANGE POINTS UP SLOPE</p> <p>CEE COLUMN OR RAFTER</p> <p>40mm MIN. LAP OVER INTERIOR FRAME COLUMN OR RAFTER</p> <p>(4) #14 SCREWS INTO COLUMN OR RAFTER</p> <p>INSTALL (2) OF (4) SCREWS WITHIN 10mm OF ZEE WEB</p>	<p>CORNER COLUMN</p> <p>(4) #14 SCREWS AT EACH LEG OF CONNECTION ANGLE WITH 15mm END DISTANCE TO GIRT</p> <p>Z10015 ZEE ENDWALL GIRT</p> <p>NOTE: UNLESS NOTED OTHERWISE, USE THIS CONNECTION DETAIL FOR ALL CEE AND ZEE MEMBER-TO-MEMBER CONNECTIONS.</p> <p>137 184 110.5</p> <p>ENDWALL EDGE OF SLAB (OR OUTSIDE OF WALL GIRTS)</p> <p>100 50 1.9 mm 100</p> <p>TYP. CONNECTION ANGLE</p>	<p>CONCRETE SLAB EDGE</p> <p>C25019 CEE FRAME COLUMN</p> <p>(2) 16 mm DIAM. GRADE 4.6 BOLTS AT 160 O.C.</p> <p>GRID</p> <p>229 (PIER)</p> <p>102 (GIRT)</p> <p>PIER FOOTING</p> <p>L69.5x103x6, 254 LONG COLUMN ANCHOR BRACKET</p>
<p>D</p> <p>ZEE PURLIN/GIRT CONNECTION</p>	<p>E</p> <p>GIRTS IN-LINE CORNER COLUMN CONNECTIONS</p>	<p>F1</p> <p>CORNER COLUMN BASE DETAIL</p>
<p>INDICATES 16 mmø GRADE 4.6 BOLT</p> <p>C25019 FRAME RAFTER</p> <p>559 mm</p> <p>1438 mm</p> <p>C25019 FRAME COLUMN</p> <p>SGL 3mm 15° HAUNCH BRACKET</p> <p>(8) #14 SCREWS AT EACH END OF KNEE BRACE (25mm O.C. MIN., 25mm MIN. EDGE DISTANCE)</p> <p>2294 mm TO TOP OF CONCRETE FOUNDATION</p> <p>C10015 KNEE BRACE (OMIT AT ENDWALLS)</p>	<p>C25019 FRAME RAFTER</p> <p>SGL 3mm 15° APEX BRACKET, WITH (12) 16 mmø GRADE 4.6 BOLTS PER BRACKET</p>	<p>OMIT (2) BOTTOM BOLTS IN APEX BRACKET PER DETAIL B/5 THAT ARE CLOSEST TO ENDS OF RAFTERS SO THAT ENDWALL MULLION CAN ATTACH TO APEX BRACKET</p> <p>50mm x 150mm x 200mm TALL MFA BRACKET WITH 4 X 14G TEK SCREWS INTO APEX BRACKET AND 4 X 14G TEK SCREWS INTO MULLION</p> <p>C20024 (OPEN SIDE OF CEE MAY FACE EITHER DIRECTION, U.N.O.)</p> <p>C25019 ENDWALL RAFTER</p> <p>NOTE: SEE DETAILS G1/6 & G1/6 FOR ENDWALL MULLION BASE CONNECTIONS</p>
<p>A</p> <p>HAUNCH CONNECTION</p>	<p>B</p> <p>APEX CONNECTION</p>	<p>C</p> <p>ENDWALL MULLION TO RAFTER PEAK CONDITION</p>

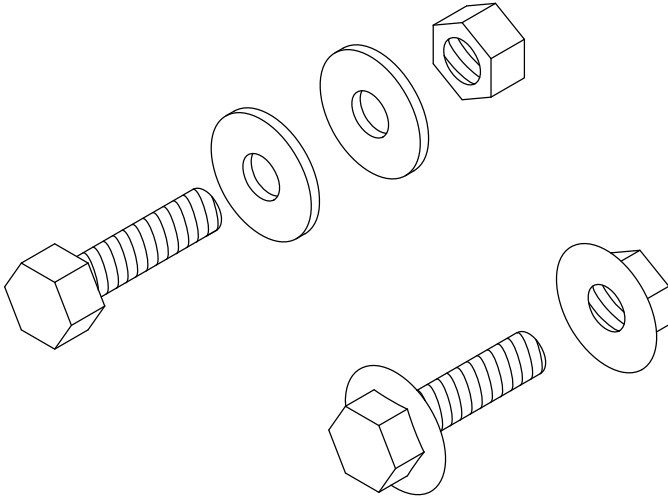
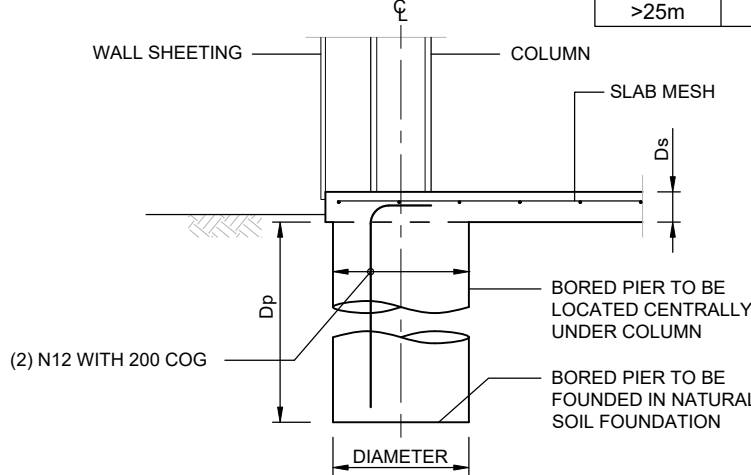
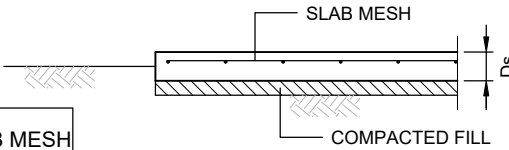
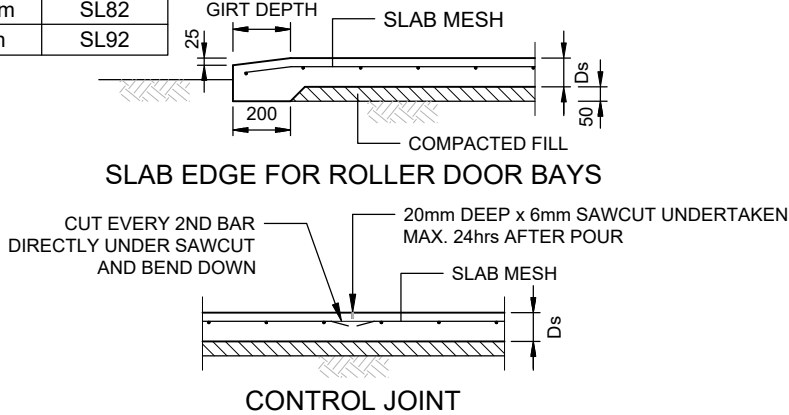
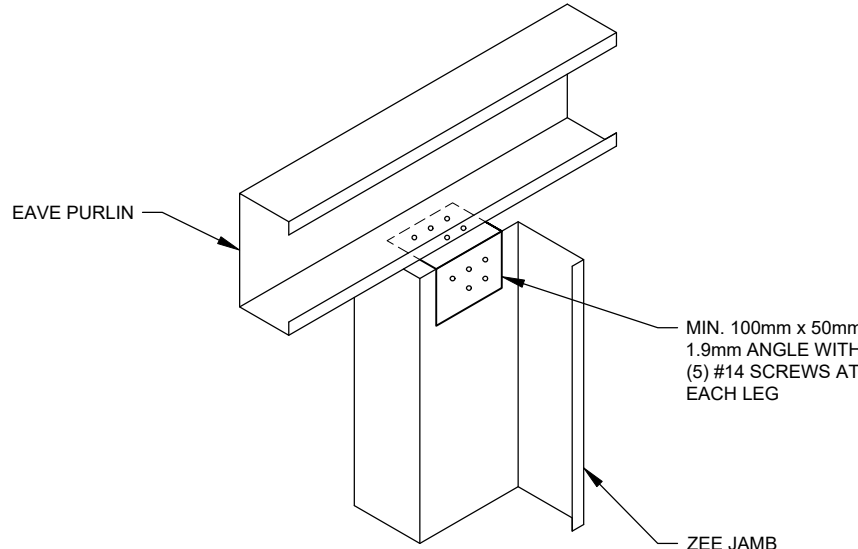
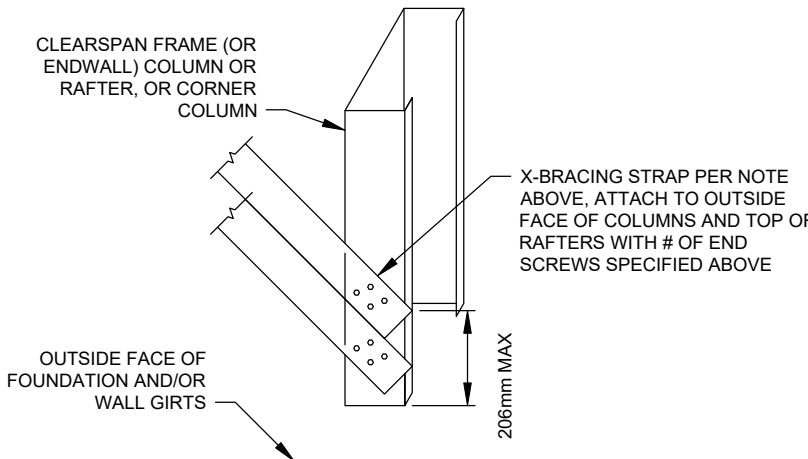
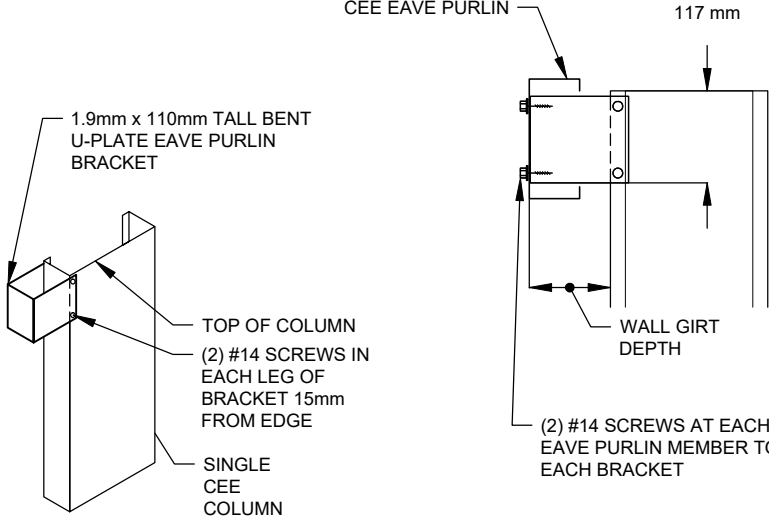
DETAIL DIMENSIONS ARE SHOWN IN MM UNLESS SPECIFIED OTHERWISE

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A	20-08-2025	-				JOB NO.	LAUS1015005115
						SHEET	5 of 9

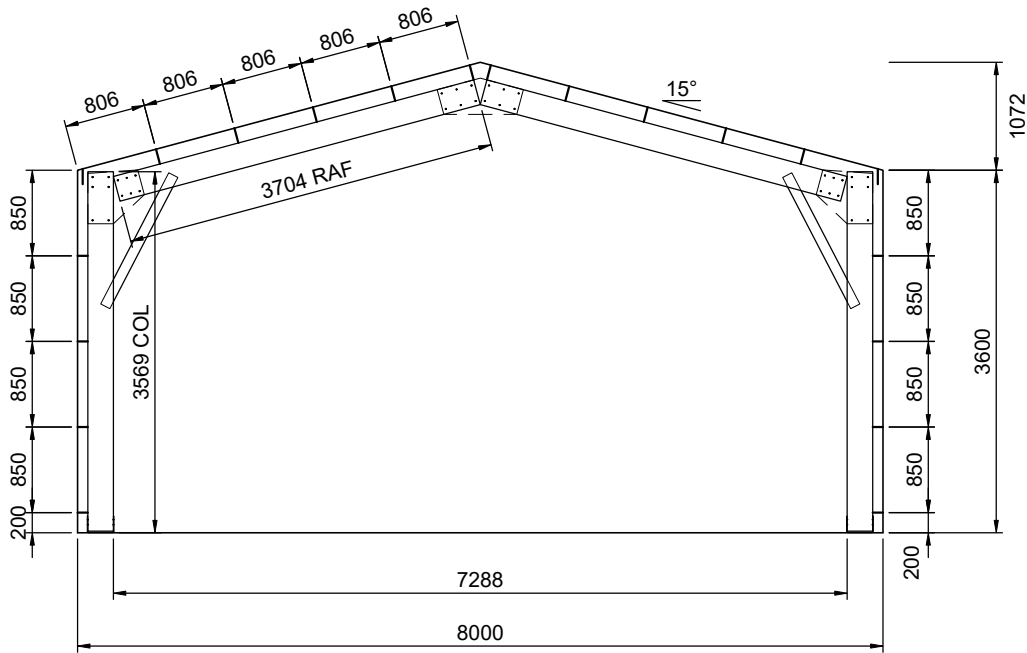
				<p>NOTE: ONLY STRUCTURAL INFORMATION IS INCLUDED IN THIS DETAIL. CONSULT PANEL MANUFACTURER FOR ADDT'L WEATHERTIGHTNESS RECOMMENDATIONS.</p> <p>Steeline Corrugated 0.42</p>	
G1	ENDWALL MULLION BASE DETAIL	G2	ENDWALL MULLION BASE DETAIL 2	H	ROOF SHEETING
F2	CORNER COLUMN BASE DETAIL 2	F3	FRAME COLUMN BASE DETAIL	F4	FRAME COLUMN BASE DETAIL 2

DETAIL DIMENSIONS ARE SHOWN IN MM UNLESS SPECIFIED OTHERWISE

REV	DATE	DESCRIPTION	 ANOTHER COLD FORMED BUILDING DESIGNED BY ACT BUILDING SYSTEMS	 PO Box 3084 THIRROUL NSW 2515 sheds@venn.engineering ABN 39 626 802 257	Signed Date 20-08-2025 Grant J Wood MIEAust CPEng NER RPEQ Registered EA Chartered Professional Engineer (No. 2383009) Registered Professional Engineer QLD (No. 14384) Registered Civil Engineer Building Practitioner VIC (No. PE0002499) Registered Certifying Engineer (structural) NT (No. 306371ES) Building Services Provider (Engineer Civil) TAS (No. 69030425)	Customer Name: Jordon Cowen Site Address: 10 Barrob street Old beach, TAS, 7017	DATE 20-08-2025 JOB NO. LAUS1015005115 SHEET 6 of 9

<div>ALL NUTS AND BOLTS TO HAVE WASHER OR FLANGED HEADS</div> <div></div>		<div><table><tr><td></td><td>PF1</td><td>PF2</td></tr><tr><td>Dp</td><td>1000mm</td><td>500mm</td></tr><tr><td>Diameter</td><td>600mm</td><td>600mm</td></tr><tr><td>Ds</td><td>100mm</td><td>100mm</td></tr></table></div> <div></div> <div><table><tr><td>MAX SLAB LENGTH</td><td>SLAB MESH</td></tr><tr><td><18m</td><td>SL72</td></tr><tr><td>18-25m</td><td>SL82</td></tr><tr><td>>25m</td><td>SL92</td></tr></table></div>			PF1	PF2	Dp	1000mm	500mm	Diameter	600mm	600mm	Ds	100mm	100mm	MAX SLAB LENGTH	SLAB MESH	<18m	SL72	18-25m	SL82	>25m	SL92	<div><table><tr><td>MAX SLAB LENGTH</td><td>SLAB MESH</td></tr><tr><td><18m</td><td>SL72</td></tr><tr><td>18-25m</td><td>SL82</td></tr><tr><td>>25m</td><td>SL92</td></tr></table></div> <div></div> <div><table><tr><td>Ds</td><td>100mm</td></tr></table></div> <div></div>		MAX SLAB LENGTH	SLAB MESH	<18m	SL72	18-25m	SL82	>25m	SL92	Ds	100mm
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T	BOLT OPTIONS	Y	SLAB WITH PIER FOOTING DETAIL	Z	SLAB DETAIL																														
<div></div>		<div>ENDWALL: N/A SIDEWALLS & ROOF: DBL. 50MM 1.2MM STRAP WITH (4) #14 SCREWS AT EACH END OF EACH STRAP</div> <div></div> <div>NOTES: 1) CONNECT STRAP AT TOP OF ADJACENT COLUMN OR RAFTER IN SAME MANNER. 2) IF DOUBLE STRAPS ARE SPECIFIED ABOVE, INSTALL SIDE-BY-SIDE, NOT ON TOP OF EACH OTHER.</div>		<div></div>																															
L2	ZEE JAMB TO EAVE PURLIN CONNECTION	M	ROOF AND WALL X-BRACING CONNECTION	O	EAVE PURLIN BRACKET																														

DETAIL DIMENSIONS ARE SHOWN IN MM UNLESS SPECIFIED OTHERWISE



1
9 **INTERNAL FRAMING ELEVATION**
SCALE: 1:75 FRAMES 2, 3

MEMBER SCHEDULE			
COMPONENT			TYPE
CLEAR SPAN PORTAL (FRAMES 2, 3)	MEMBER	RAFTER	Single C25019
		COLUMN	Single C25019
		APEX BRACE	-
		KNEE BRACE	Single C10015
	BASE CONNECTION	BRACKET TYPE	Base cleat bolt down bracket BC.250V2
		ANCHOR BOLTS	(2) Simpson Strong-Tie Screw Anchor THD12 x 100mm embedded 95mm
ENDWALL PORTAL (FRAMES 1, 4)	MEMBER	RAFTER	Single C25019
		COLUMN	Single C25019
		APEX BRACE	-
		KNEE BRACE	-
	BASE CONNECTION	BRACKET TYPE	Angle base connection ABC.C250.160
		ANCHOR BOLTS	(2) Simpson Strong-Tie Screw Anchor THD12 x 100mm embedded 95mm
ENDWALL MULLION	MEMBER	COLUMN	Single C20024
	BASE CONNECTION	BRACKET TYPE	Angle base connection ABC.C200.110
		ANCHOR BOLTS	(2) ICCONS ThunderBolt Pro - XTM - H IC12 x 100mm embedded 95mm
ROOF PURLINS		MEMBER	Single Z15012 @ 806mm centres
EAVE PURLIN		MEMBER	Single C15012
SIDEWALL GIRTS		MEMBER	Single Z10015 @ 850mm centres
ENDWALL GIRTS		MEMBER	Single Z10015 @ 1491mm centres
OPENING (1)	MEMBER	JAMB	Single Z15024
		HEADER/SILL	Single C10015
	BASE CONNECTION	BRACKET TYPE	Angle base connection ABC.C150.70
		ANCHOR BOLTS	(2) ICCONS ThunderBolt Pro - XTM - H IC12 x 100mm embedded 95mm
OPENING (2)	MEMBER	JAMB	Single Unlipped 102 x 1.5 Cee
		HEADER/SILL	Single C10015
	BASE CONNECTION	BRACKET TYPE	Angle base connection ABC.SINGLE
		ANCHOR BOLTS	(1) ICCONS ThunderBolt Pro - XTM - H IC12 x 100mm embedded 95mm
X-BRACING	STRAP		(2) 50mm x 1.2 strap

Generic Temporary Bracing Information

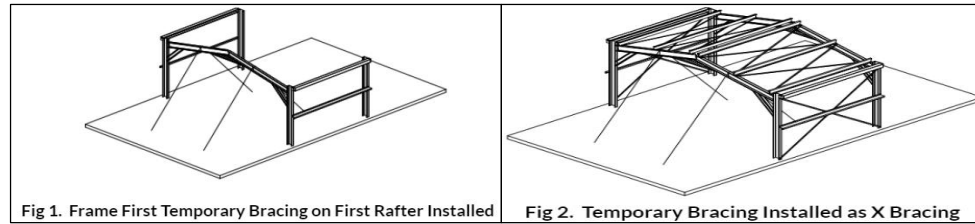
The installation of temporary bracing is critical to avoid building collapse or damaging structural movement during construction. This collapse can occur with no notice and as such the installation of appropriate temporary bracing is critical to avoid damage, injury, and possible death. Determination, procurement, and correct installation of temporary bracing is the responsibility of the builder / primary contractor / installer.

Bracing Materials

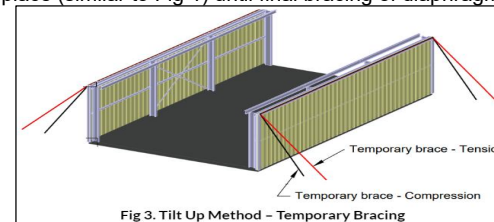
The constructor / installer is to supply suitably sized materials for temporary bracing. These materials are generally capable of tension, but in some circumstances will need to be capable of tension and compression. Load rated ratchet strapping of an appropriate size can be used to temporarily 'x-brace' bays in both directions, until the final bracing systems are fully installed. This is especially critical for buildings where X Bracing is not required in the final structure due to the use of moment frames or diaphragm bracing.

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Additional Temporary Bracing

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<https://www.steel.org.au/> 'Structural steelwork fabrication and erection code of practice', 2014.

<https://www.standards.org.au/> AS/NZS 5131:2016 'Structural steelwork – Fabrication and erection.

Support is also available at support@actbuildingsystems.com.

THE ABOVE INFORMATION REGARDING TEMPORARY BRACING DOES NOT FORM PART OF THE ENGINEERING CERTIFICATION FOR THIS DESIGN AND IS PROVIDED AS A GUIDE TO AID INSTALLATION ONLY.



Service over and above

TABLE OF CONTENTS

Building Layout Plan	2
Anchor Bolt Details	3
Portal Frame Sections	5
Roof Framing Plan	8
Girt Layout	9
Sheeting Layout	13

CONSTRUCTION PACKAGE NOTES

This construction package is to be used in conjunction with the created order for the job. All lengths and piece marks of materials in this package will correspond to an item in the order. For example, on the Sidewall A girt layout, there will likely be an item with a piece mark of SGA1. This will correspond to a line item in the order with the piece mark of SGA1. Products that do not include a piece mark will be marked with the product code.

All girt layout and sheeting layouts drawings in this construction package are exterior views, and in these illustrations, components are drawn as if viewed from the outside of the building.

All drawings in this construction package are for reference only, and are to be used to supplement the engineering drawings. If any discrepancies occur, the engineering plans will always take precedence.

IMPORTANT

IN ADDITION TO THIS DOCUMENT, YOU SHOULD ALSO HAVE THE FOLLOWING BUILDING SPECIFIC DOCUMENTS FROM YOUR BUILDING REPRESENTATIVE:

- ENGINEERING PLAN
- COPY OF THE ORDER

FOR MORE INFORMATION TO HELP MAKE COLD FORMED CONSTRUCTION EASIER, PLEASE SEE THE BELOW LINKS:



INSTALLATION MANUALS
<http://bit.ly/ACTInstallManuals>

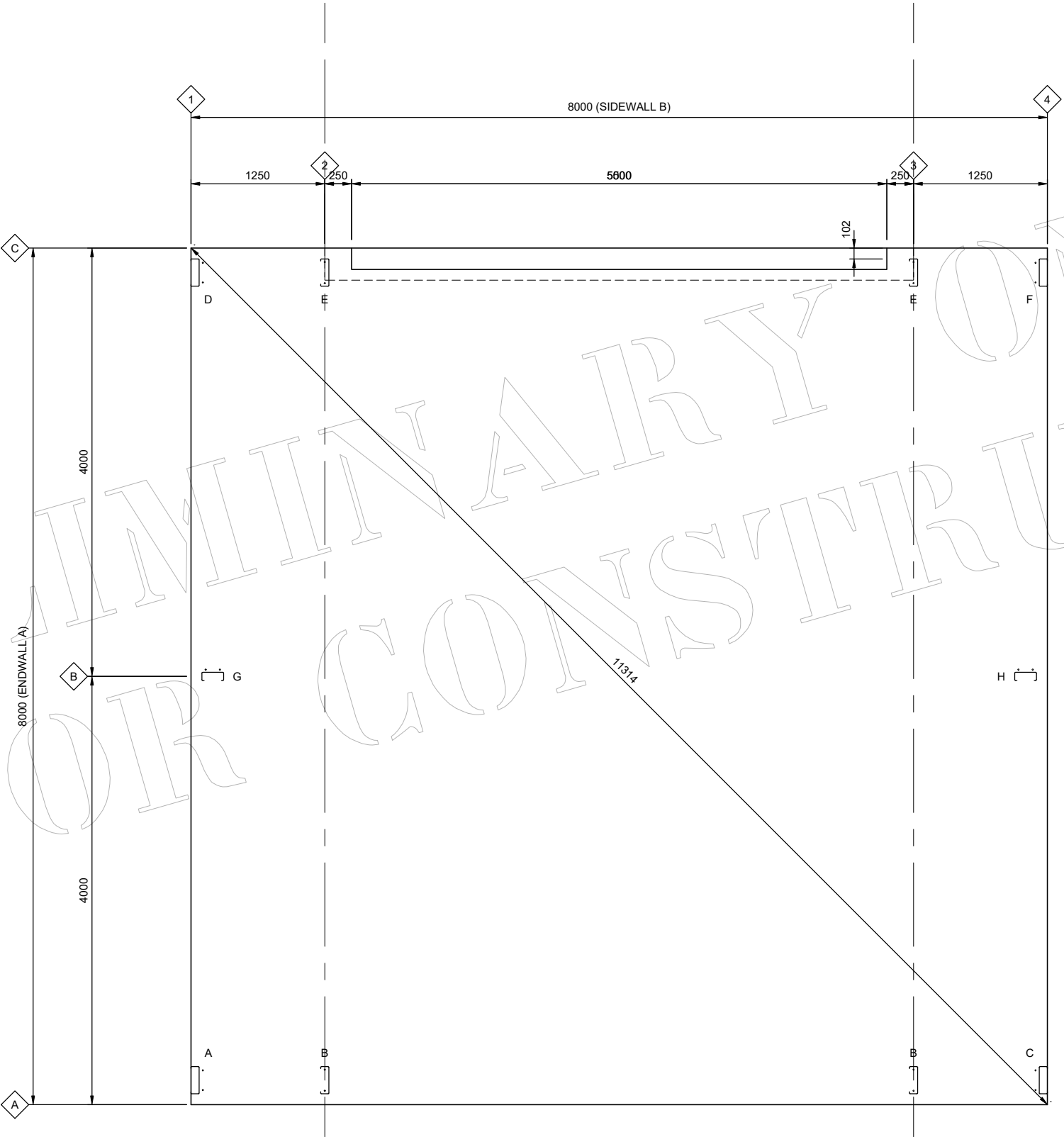


CONSTRUCTION VIDEOS
<http://bit.ly/ACTConstructionVids>



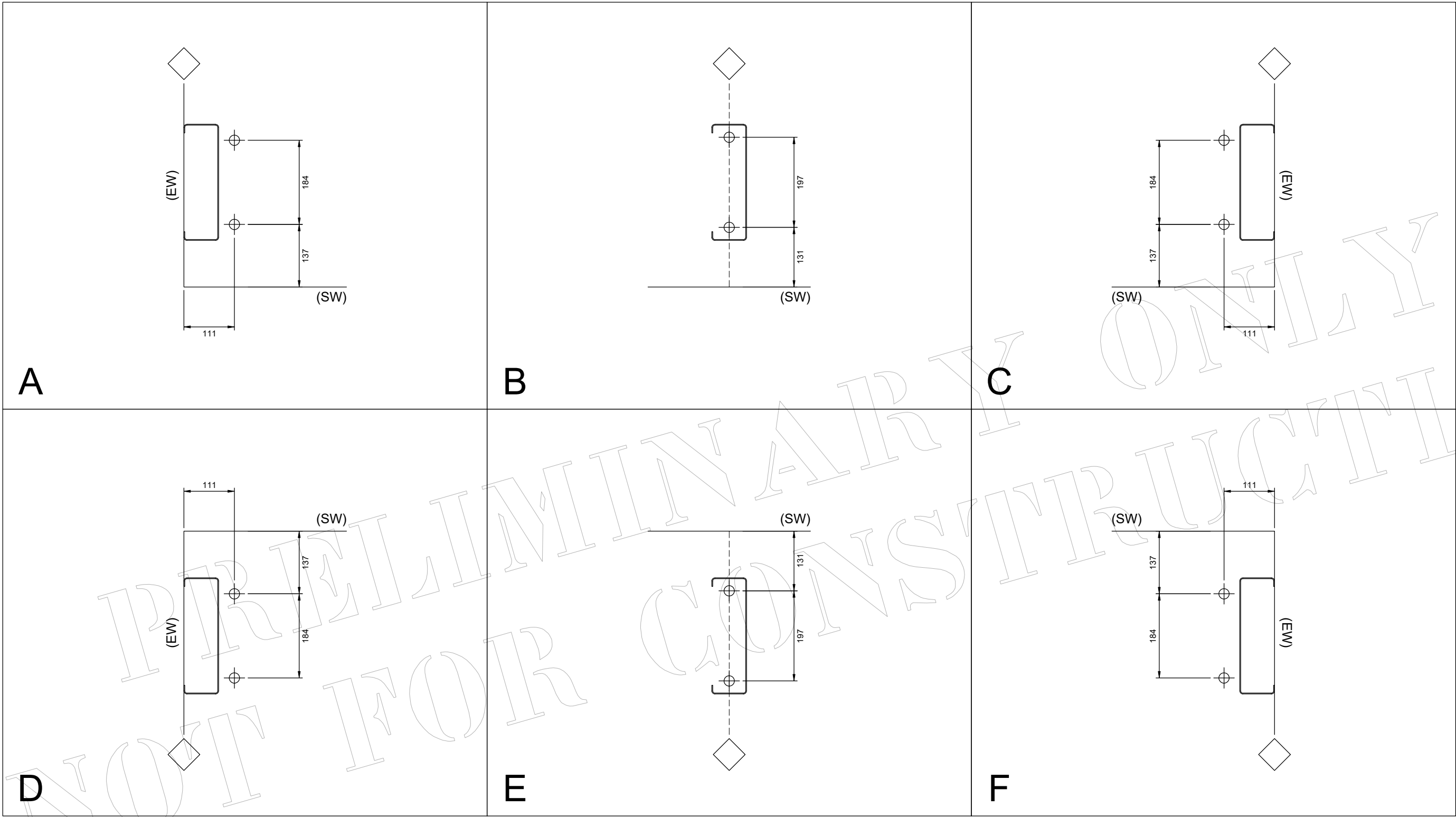
HINTS AND TIPS
<http://bit.ly/ACTConstructionTips>

PRELIMINARY ONLY
NOT FOR CONSTRUCTION



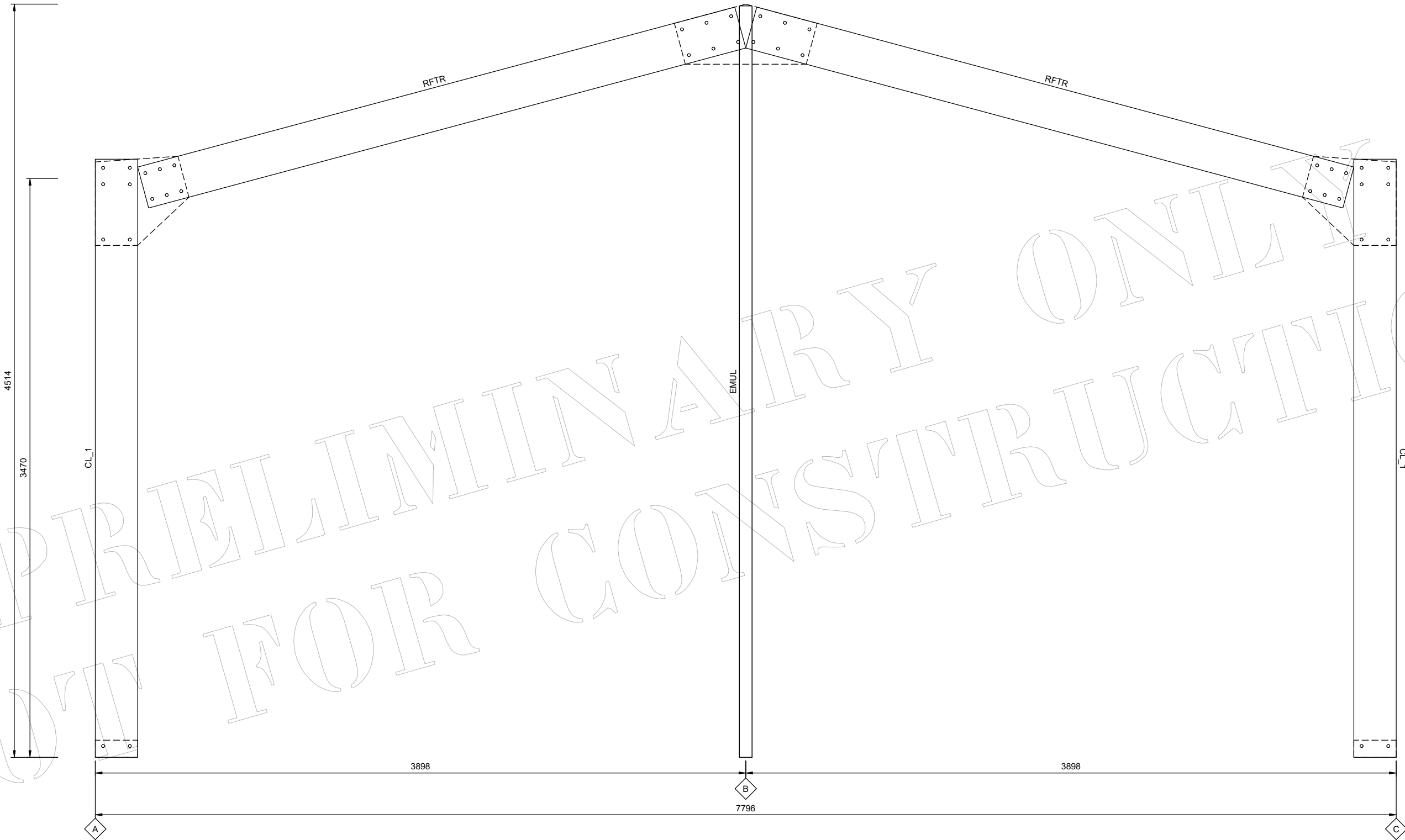
ANCHOR BOLTS		
QTY	LOCATION	DIA
16	ANCHOR BOLTS - SIDEWALL COLUMNS	11 mm
4	ANCHOR BOLTS - ENDWALL COLUMNS	11 mm
4	ANCHOR BOLTS - ROLLER DOORS SMALL	11 mm
2	ANCHOR BOLTS - PA DOORS	11 mm

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MEMBER TABLE		
Mark	Product	Length
CL_1	C25019	3585 mm
EMUL	C20024	4504 mm
RFTR	C25019	3704 mm



1
5

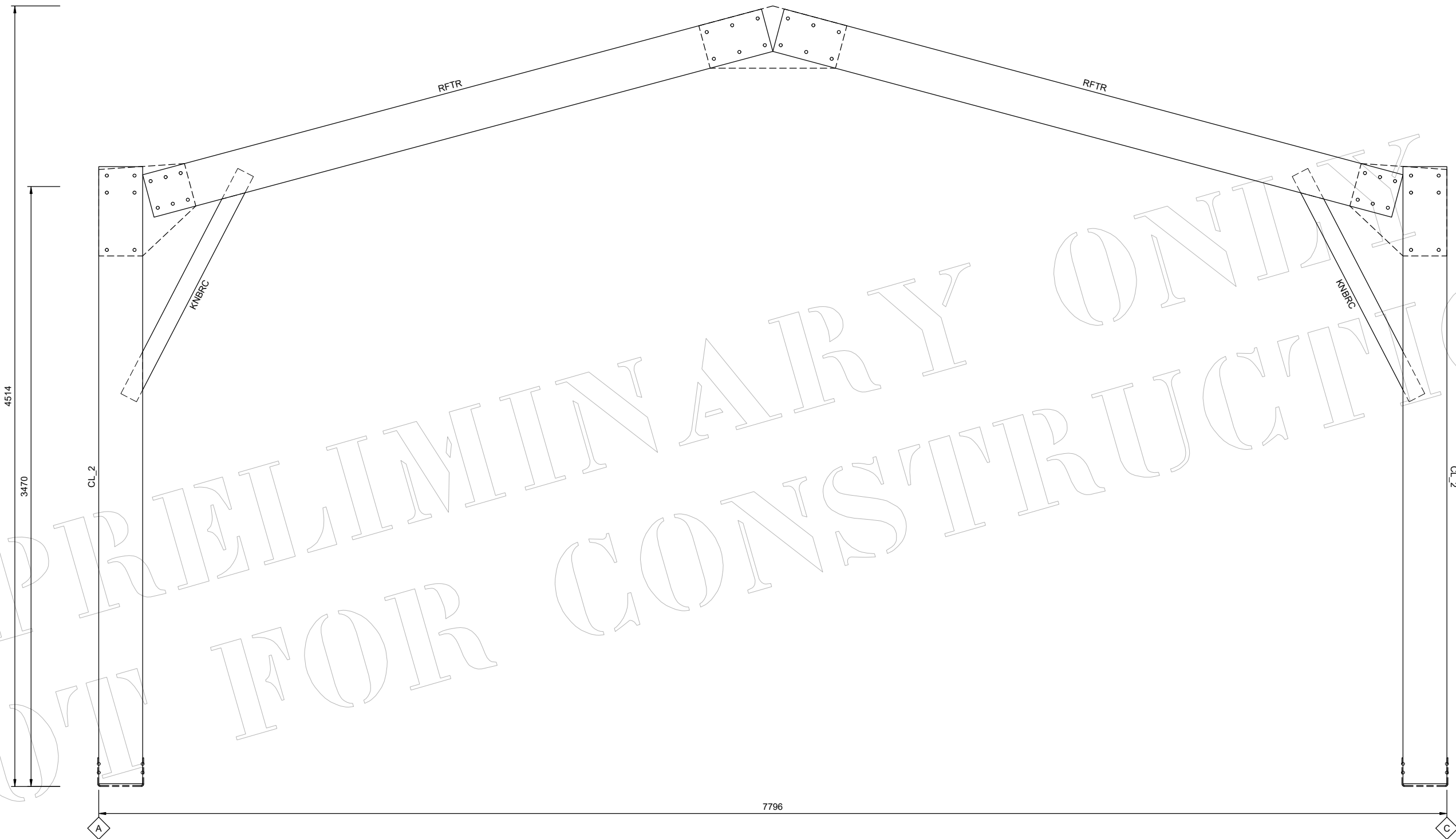
Portal Section

SCALE: 1:25

Frame Line 1

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MEMBER TABLE		
Mark	Product	Length
CL_2	C25019	3569 mm
KNBRC	C10015	1468 mm
RFTR	C25019	3704 mm



1
6

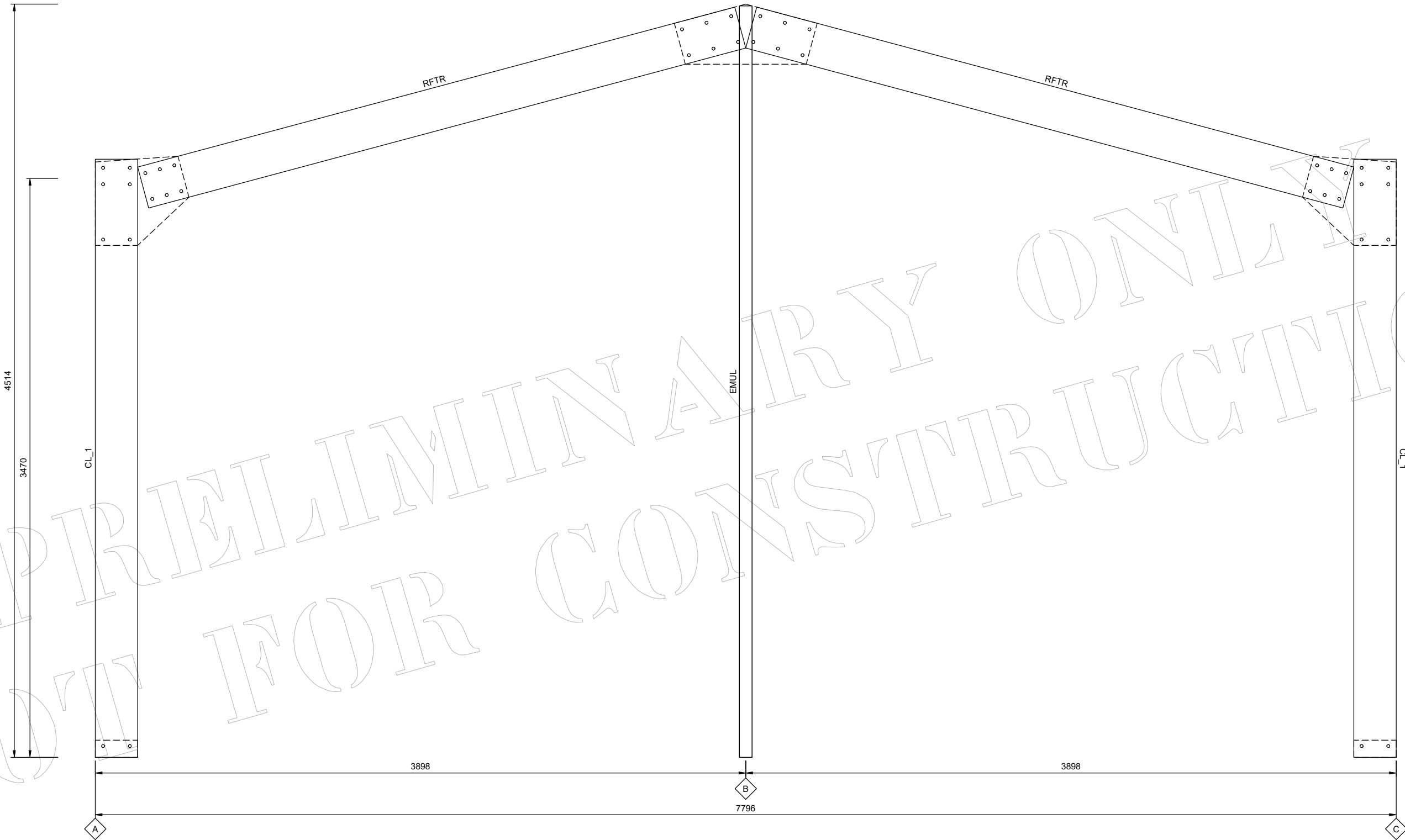
Portal Section

SCALE: 1:25

Frame Lines 2, 3

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MEMBER TABLE		
Mark	Product	Length
CL_1	C25019	3585 mm
EMUL	C20024	4504 mm
RFTR	C25019	3704 mm



1
7

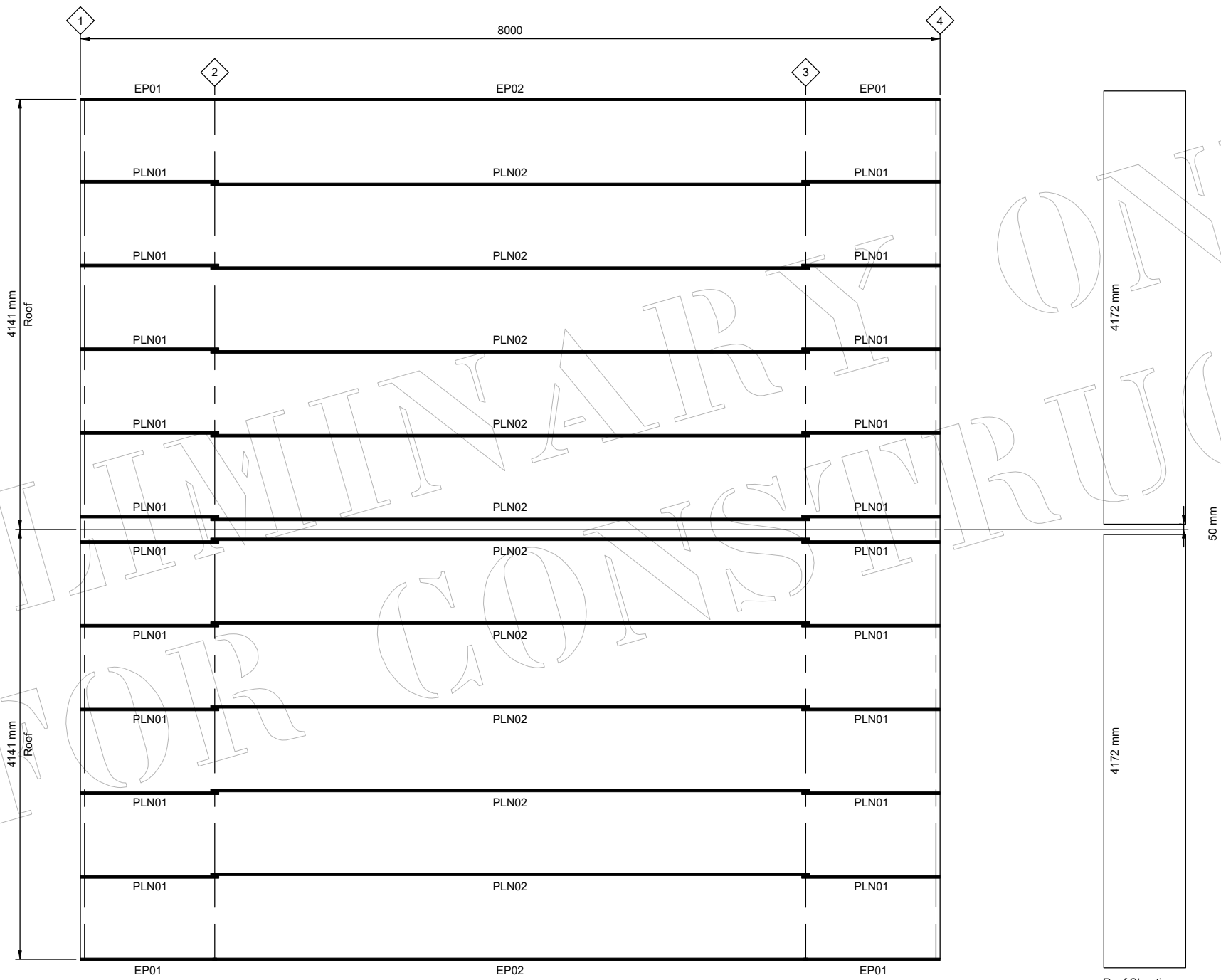
Portal Section

SCALE: 1:25

Frame Line 4

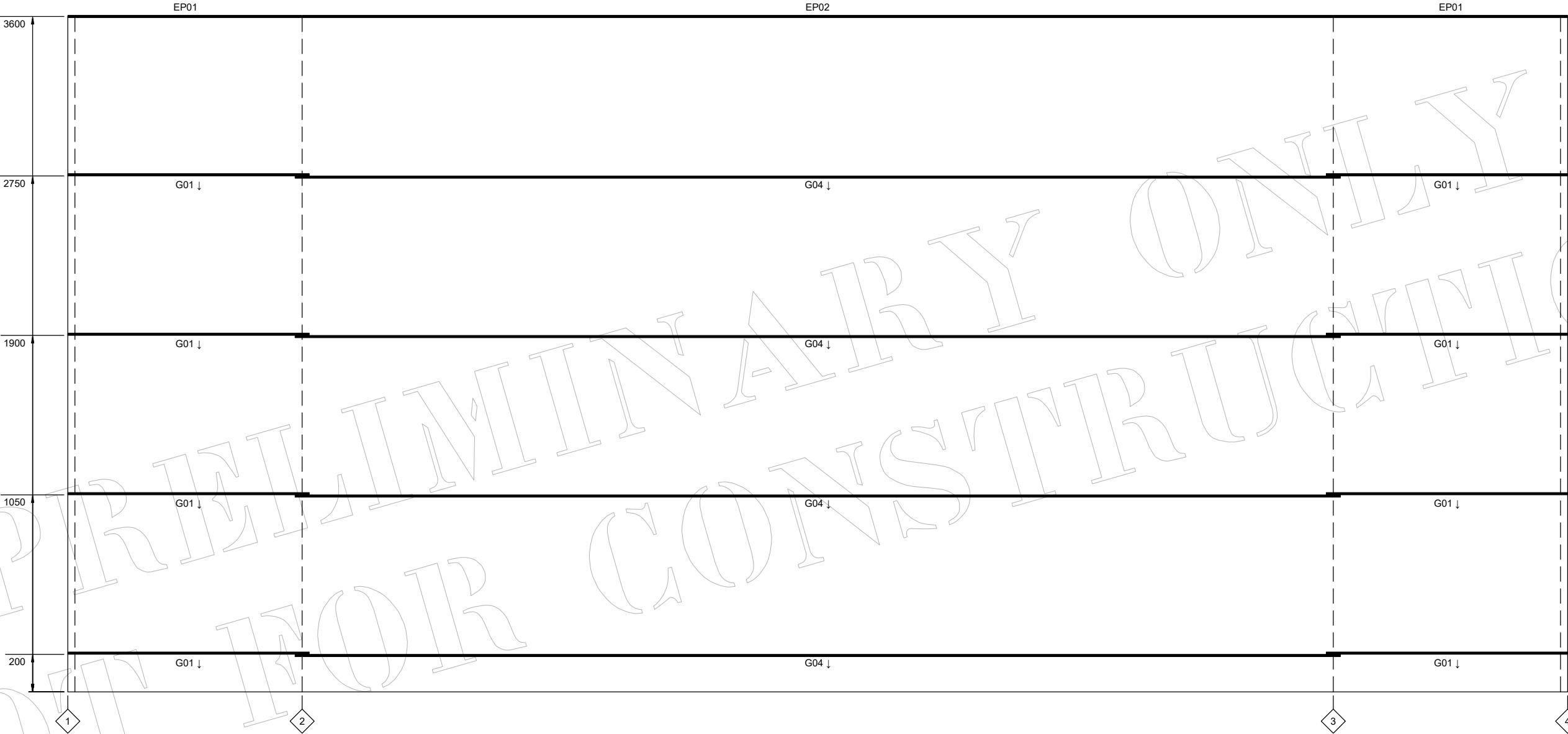
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MEMBER TABLE		
Mark	Product	Length
EP01	C15012	1250 mm
EP02	C15012	5500 mm
PLN01	Z15012	1288 mm
PLN02	Z15012	5576 mm



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Mark	Product	Length
EP01	C15012	1250 mm
EP02	C15012	5500 mm
G01	Z10015	1288 mm
G04	Z10015	5576 mm
↑ OUTSIDE FLANGE OF GIRT POINTS UP		
↓ OUTSIDE FLANGE OF GIRT POINTS DOWN		



1
9

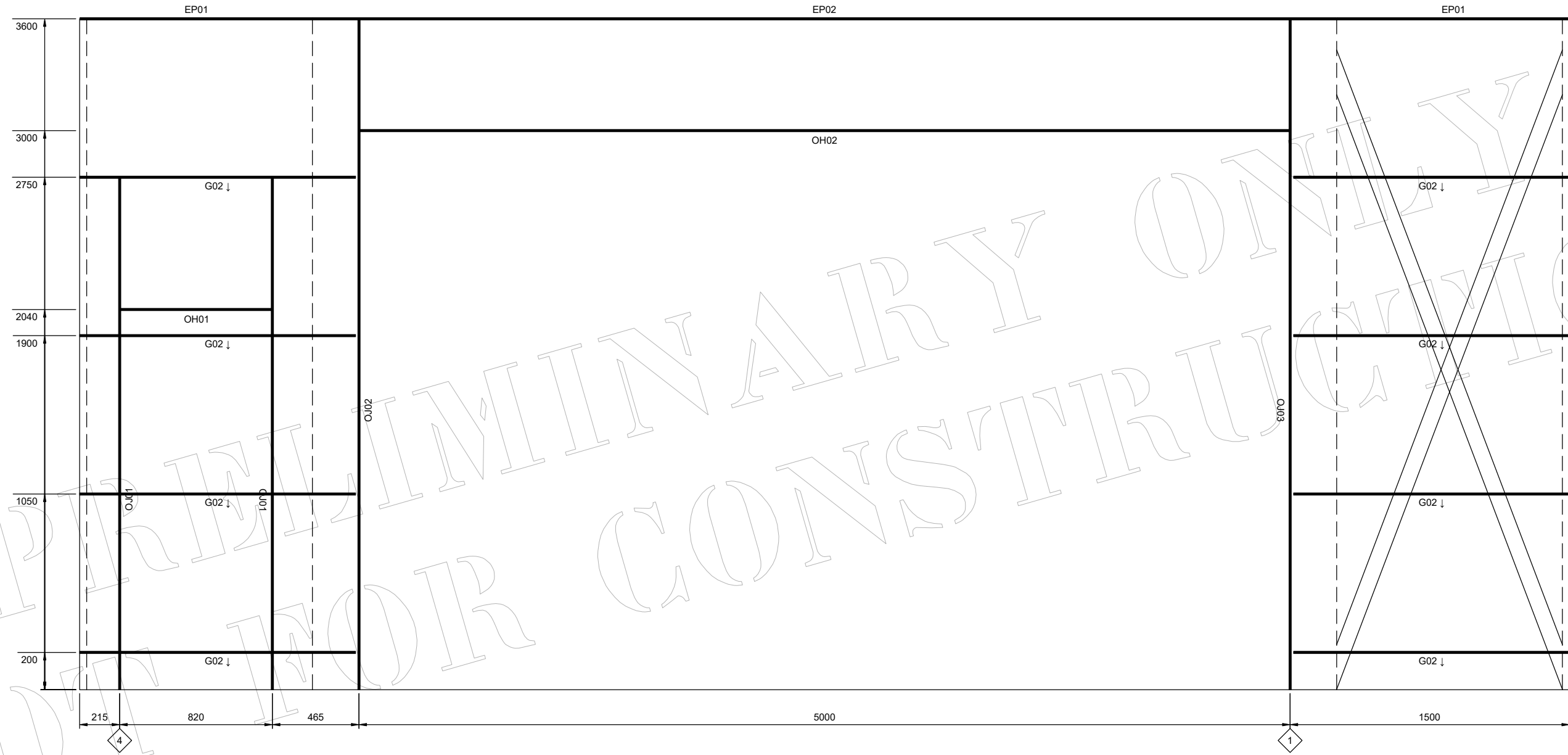
Sidewall A Girt Layout

SCALE: 1:25

Frame Line A

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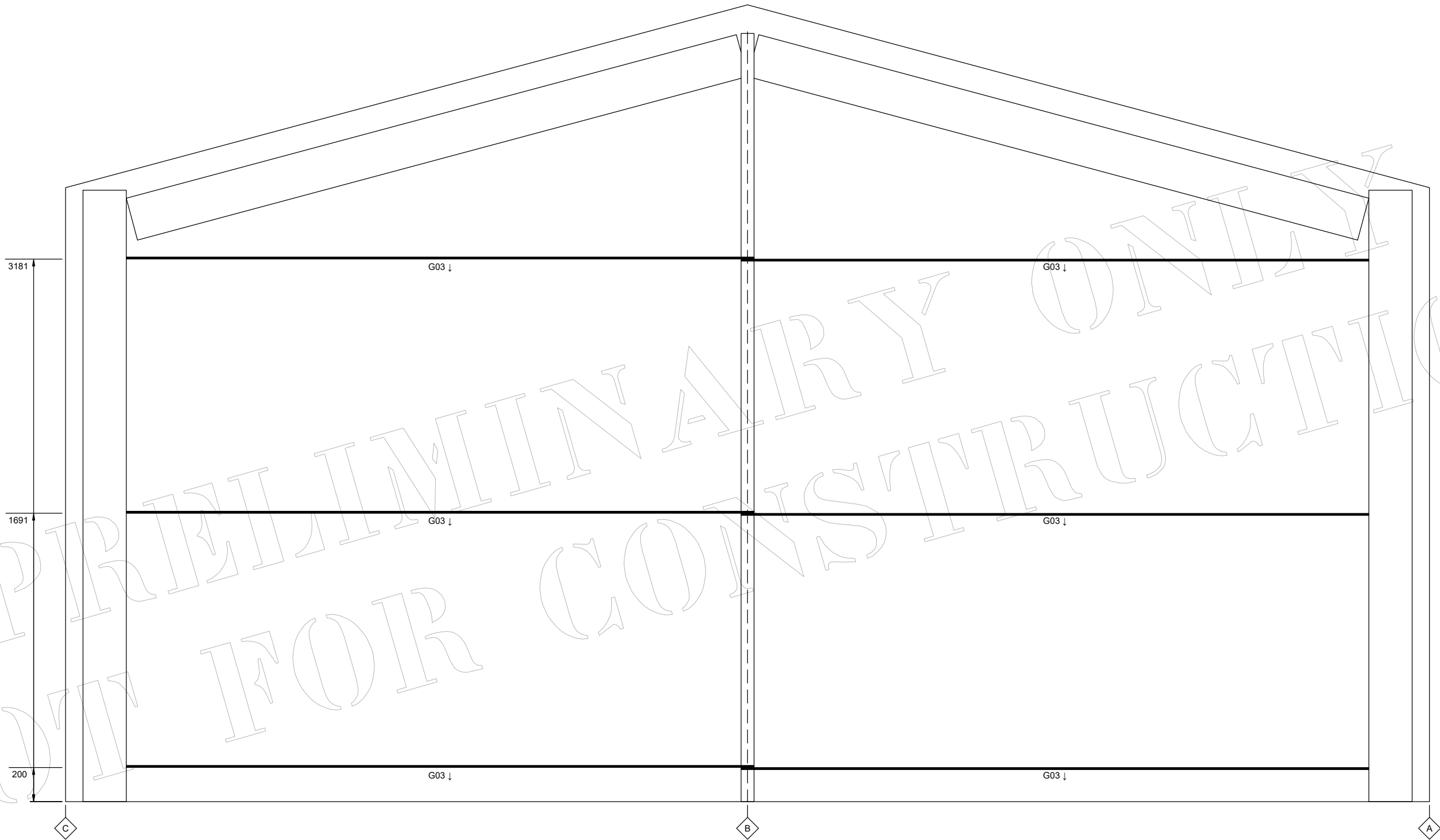
MEMBER TABLE		
Mark	Product	Length
EP01	C15012	1250 mm
EP02	C15012	5500 mm
G02	Z10015	1482 mm
OH01	C10015	820 mm
OH02	C10015	5000 mm
OJ01	C10015 Channel	2750 mm
OJ02	Z15024	3443 mm
OJ03	Z15024	3443 mm
↑ OUTSIDE FLANGE OF GIRT POINTS UP		
↓ OUTSIDE FLANGE OF GIRT POINTS DOWN		



1 Sidewall B Girt Layout
10 SCALE: 1:25 Frame Line C

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MEMBER TABLE		
Mark	Product	Length
G03	Z10015	3682 mm
↑ OUTSIDE FLANGE OF GIRT POINTS UP		
↓ OUTSIDE FLANGE OF GIRT POINTS DOWN		



1
11

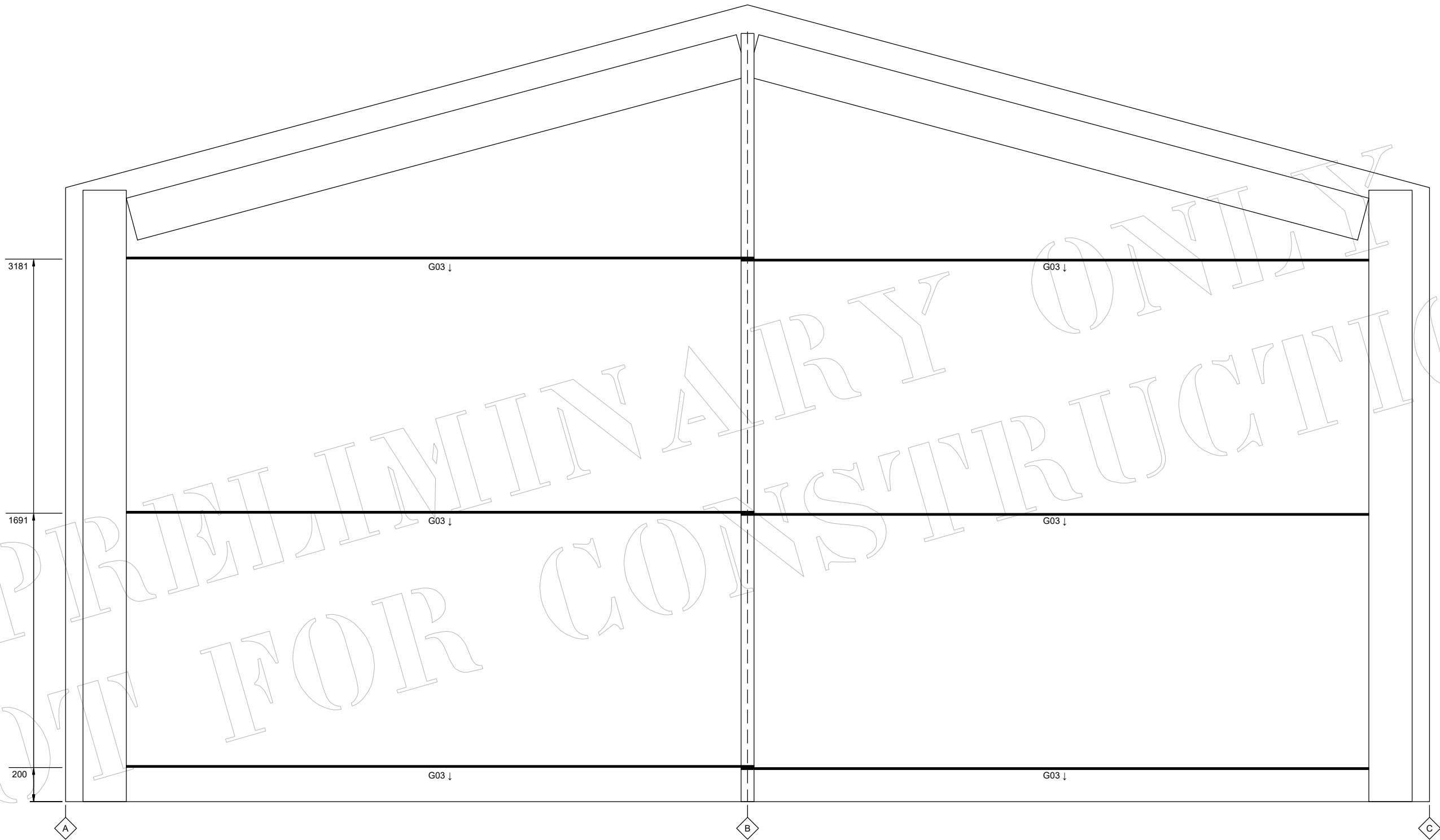
Endwall A Girt Layout

SCALE: 1:25

Frame Line 1

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MEMBER TABLE		
Mark	Product	Length
G03	Z10015	3682 mm
↑ OUTSIDE FLANGE OF GIRT POINTS UP		
↓ OUTSIDE FLANGE OF GIRT POINTS DOWN		



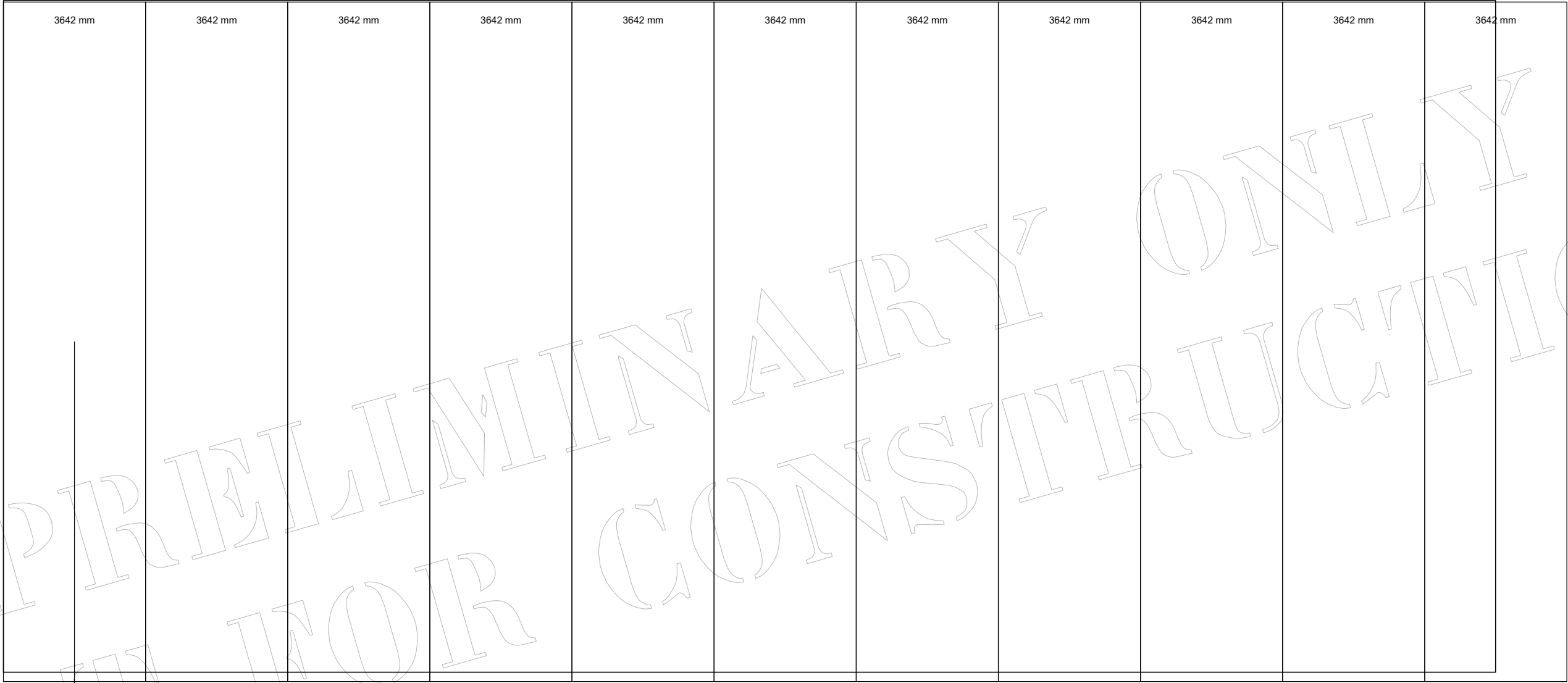
1
12

Endwall B Girt Layout

SCALE: 1:25

Frame Line 4

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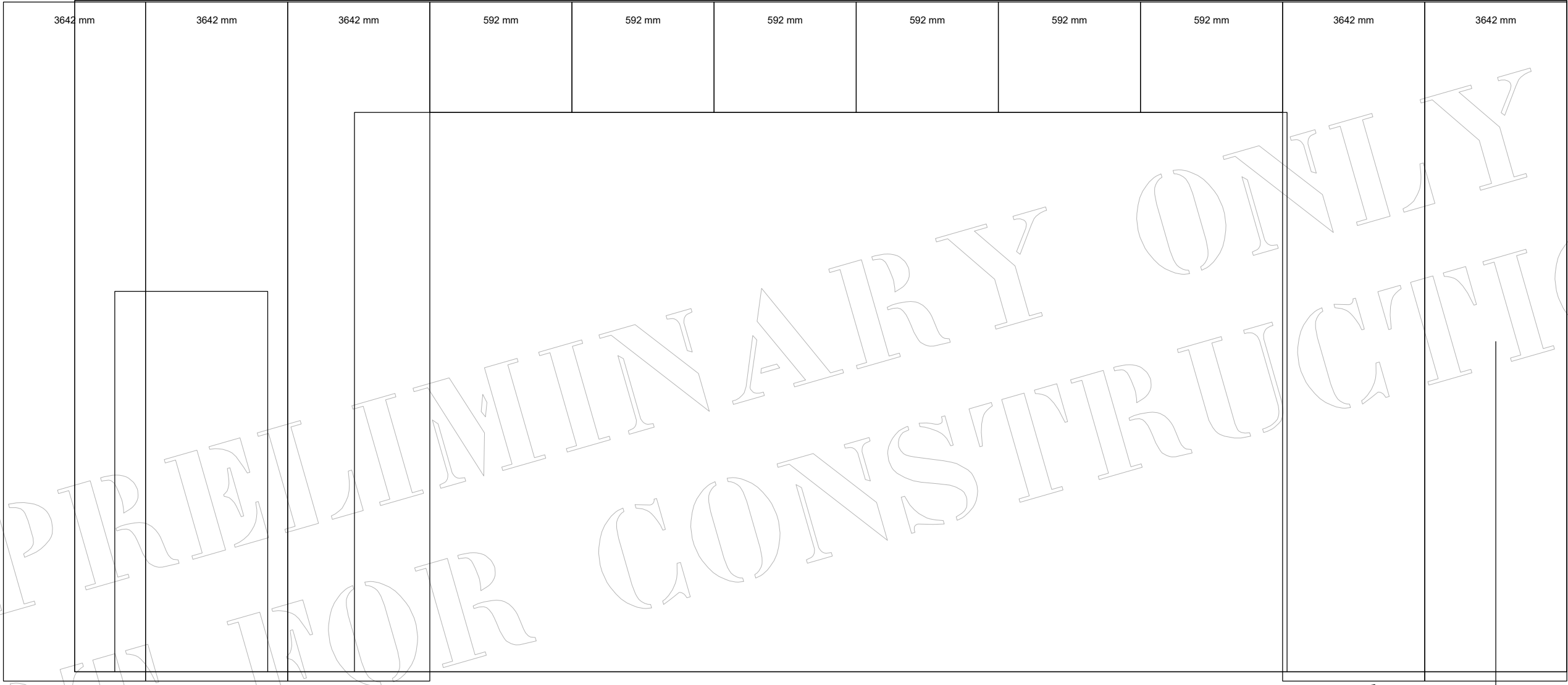
1
13

Sidewall A Sheeting Layout

SCALE: 1:25

Frame Line A

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Sheeting starts with this sheet and
moves across wall

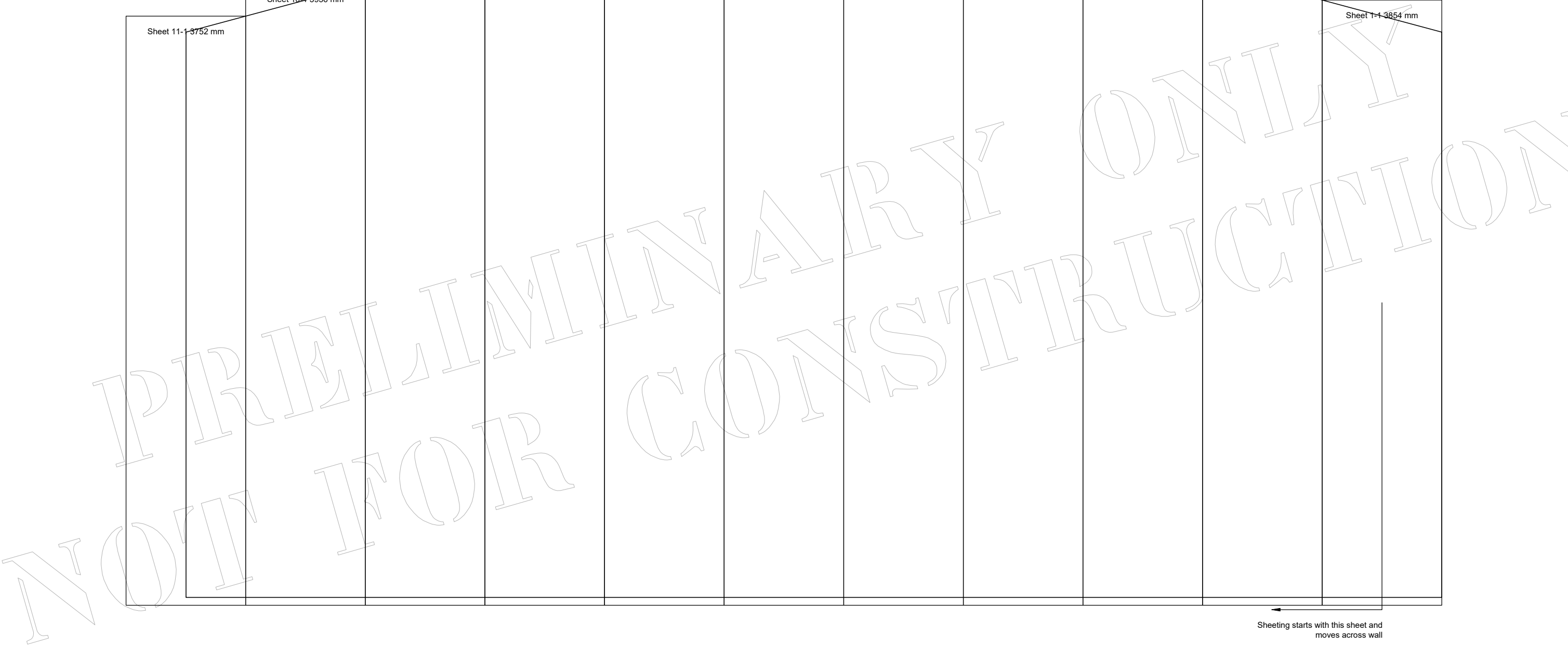
1
14

Sidewall B Sheeting Layout

SCALE: 1:25

Frame Line C

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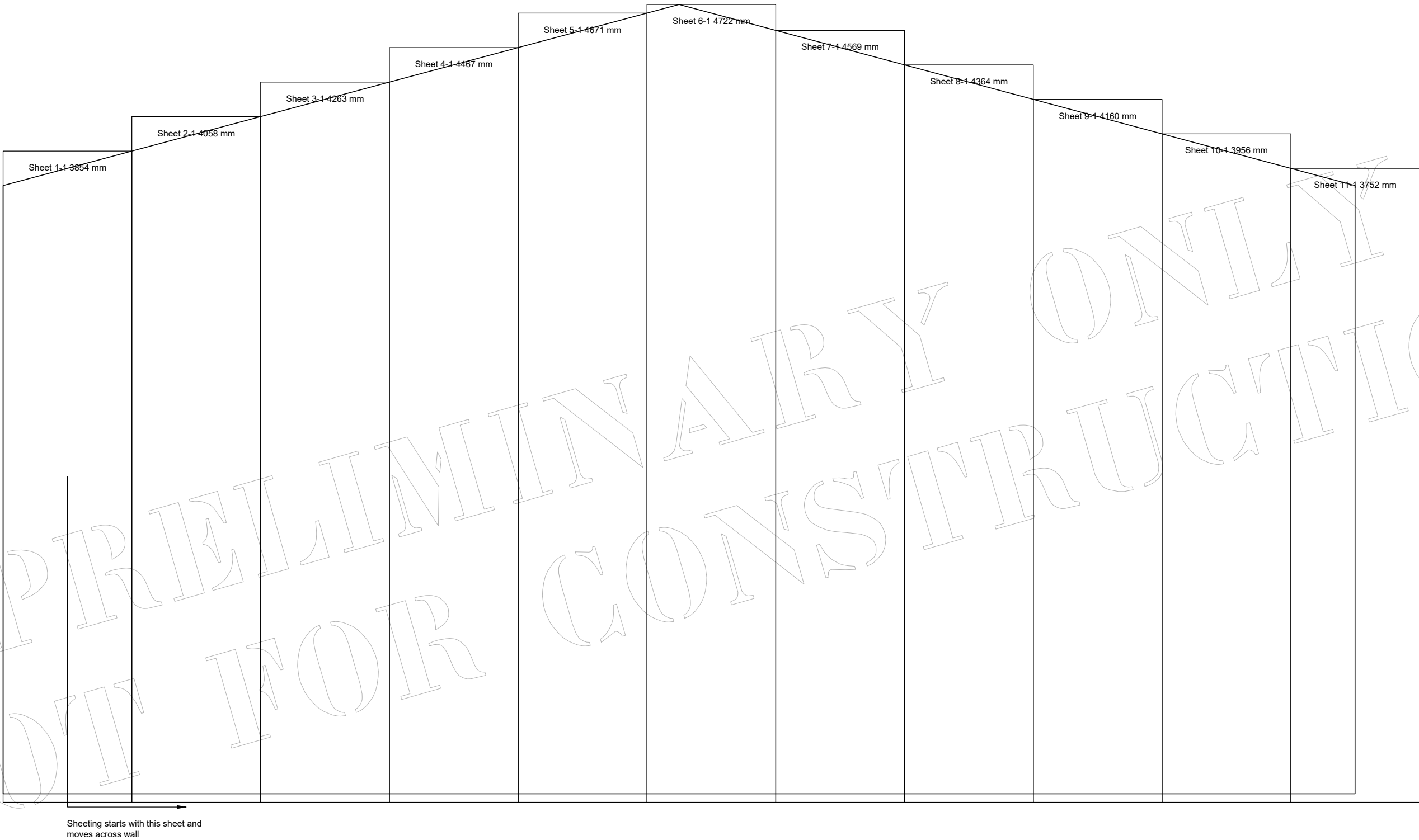
1
15

Endwall A Sheeting Layout

SCALE: 1:25

Frame Line 1

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1
16

Endwall B Sheeting Layout

SCALE: 1:25

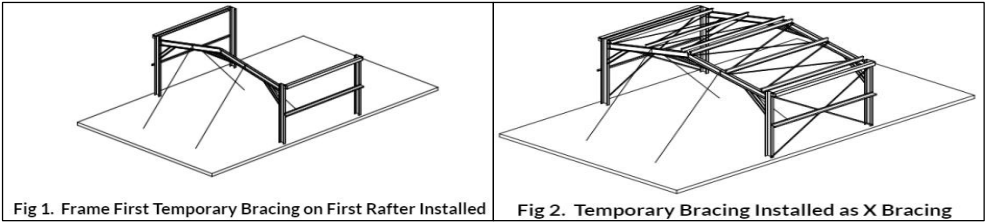
Frame Line 4

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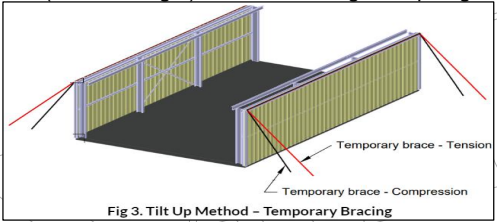
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CERTIFICATE OF THE RESPONSIBLE DESIGNER

Section 94
Section 106
Section 129
Section 155

Form **35**

To: Owner name
 Address
 Suburb/postcode

Designer details:

Name: Category:
 Business name: Phone No:
 Business address:
 Fax No:
 Licence No: Email address:

Details of the proposed work:

Owner/Applicant Designer's project reference No.
 Address: Lot No:

Type of work: Building work ☒ Plumbing work ☐ (X all applicable)

Description of work:

New class 10a building (non-habitable shed) with importance Ivl 2 of size 8.000m span x 8.000m long x 3.600m eaves height. The building consists of cold formed steel framing members and cladding along with reinforced concrete pavement slab on ground where shown.

(new building / alteration /
addition / repair / removal /
re-erection
water / sewerage /
stormwater /
on-site wastewater
management system /
backflow prevention / other)

Description of the Design Work (Scope, limitations or exclusions): (X all applicable certificates)

Certificate Type:	Certificate	Responsible Practitioner
	<input type="checkbox"/> Building design	Architect or Building Designer
	<input checked="" type="checkbox"/> Structural design	Engineer or Civil Designer
	<input type="checkbox"/> Fire Safety design	Fire Engineer
	<input type="checkbox"/> Civil design	Civil Engineer or Civil Designer
	<input type="checkbox"/> Hydraulic design	Building Services Designer
	<input type="checkbox"/> Fire service design	Building Services Designer
	<input type="checkbox"/> Electrical design	Building Services Designer
	<input type="checkbox"/> Mechanical design	Building Service Designer
	<input type="checkbox"/> Plumbing design	Plumber-Certifier; Architect, Building Designer or Engineer
	<input type="checkbox"/> Other (specify)	
Deemed-to-Satisfy: <input checked="" type="checkbox"/>	Performance Solution: <input type="checkbox"/> (X the appropriate box)	

Other details:

The design complies with the following deemed-to-satisfy parts of 2022 NCC-BCA Vol. 2 & Housing Provisions:

- Part H1D4(1)(a)(ii) for resistance of concrete (AS3600)
- Housing provision 2.2.4 for resistance of fastenings in concrete (AS5216)
- Part H1D6(3)(c) for resistance of cold-formed steel members (AS/NZS4600)
- Housing provision 2.2.3(a), (b) & (c) for the following actions to AS/NZS1170 parts 1 to 4:
 - o Imposed: 2.5 kPa to slab (light vehicles) where slab is shown
 - o Wind: Importance level 2, Region A4, Terrain Cat. 3.00, Topographic (Mt) 1.06, Shielding (Ms) 1.00 and Site wind speed ($V_{sit,\beta}$) 39.60 m/s
 - o Snow: 0.00 kPa
 - o Earthquake: Design category I

Design documents provided:

The following documents are provided with this Certificate –

Document description:

Drawing numbers:	Prepared by:	Date:
LAUS1015005115 sheets 1 to 9 revision A	Venn Engineering Pty Ltd	20/08/2025
Schedules:	Prepared by:	Date:
Specifications:	Prepared by:	Date:
Computations:	Prepared by:	Date:
Performance solution proposals:	Prepared by:	Date:
Test reports:	Prepared by:	Date:

Standards, codes or guidelines relied on in design process:


2022 National Construction Code – Building Code of Australia Volume 2 & Housing Provisions
Australian Standard for Structural design Actions parts 0, 1, 2, 3 & 4 (AS/NZS 1170)
Australian Standard for Cold-formed Steel Structures (AS/NZS 4600:2018)
Australian Standard for Concrete Structures (AS 3600:2018)
Australian Standard for Post-installed Fasteners in Concrete (AS 5216:2021)
Australian Steel Institute Design Guide Portal Frame Steel Sheds and Garages 2nd edition June 2014

Any other relevant documentation:**Attribution as designer:**

I, Grant Wood, am responsible for the design of that part of the work as described in this certificate;

The documentation relating to the design includes sufficient information for the assessment of the work in accordance with the *Building Act 2016* and sufficient detail for the builder or plumber to carry out the work in accordance with the documents and the Act;

This certificate confirms compliance and is evidence of suitability of this design with the requirements of the National Construction Code.

	<i>Name: (print)</i>	<i>Signed</i>	<i>Date</i>
Designer:	Grant Wood		20/08/2025
Licence No:	690930425		

Assessment of Certifiable Works: (TasWater)

Note: single residential dwellings and outbuildings on a lot with an existing sewer connection are not considered to increase demand and are not certifiable.

If you cannot check ALL of these boxes, LEAVE THIS SECTION BLANK.

TasWater must then be contacted to determine if the proposed works are Certifiable Works.

I confirm that the proposed works are not Certifiable Works, in accordance with the Guidelines for TasWater CCW Assessments, by virtue that all of the following are satisfied:

- ☐ The works will not increase the demand for water supplied by TasWater
- ☐ The works will not increase or decrease the amount of sewage or toxins that is to be removed by, or discharged into, TasWater's sewerage infrastructure
- ☐ The works will not require a new connection, or a modification to an existing connection, to be made to TasWater's infrastructure
- ☐ The works will not damage or interfere with TasWater's works
- ☐ The works will not adversely affect TasWater's operations
- ☐ The work are not within 2m of TasWater's infrastructure and are outside any TasWater easement
- ☐ I have checked the LISTMap to confirm the location of TasWater infrastructure
- ☐ If the property is connected to TasWater's water system, a water meter is in place, or has been applied for to TasWater.

Certification:

I being responsible for the proposed work, am satisfied that the works described above are not Certifiable Works, as defined within the *Water and Sewerage Industry Act 2008*, that I have answered the above questions with all due diligence and have read and understood the Guidelines for TasWater CCW Assessments.

Note: the Guidelines for TasWater Certification of Certifiable Works Assessments are available at: www.taswater.com.au

	<i>Name: (print)</i>	<i>Signed</i>	<i>Date</i>
Designer:	<input type="text"/>	<input type="text"/>	<input type="text"/>