

**GENERAL NOTES**

These documents show the general arrangement of the building and include some items not supplied (refer to the quotation for nomination of all items to be provided). All items not nominated therein shall be supplied and installed by others.

The plans provided here are the latest at the time of print. Earlier plans provided may have become outdated due to engineering changes and should not be used. The plans and drawings are extensive and give all the information needed for a competent person to erect the building. The building is not designed to stand up by itself when it is partially complete. Consequently, construction bracing is critical during erection.

The owner has been requested to check off the BOM after the building delivery. You should check that you are able to locate all materials nominated in the BOM. You should also confirm that the length and size (including thickness), nominated in the BOM is what has been provided. Any missing items are the responsibility of the client once correct delivery has been confirmed as per Terms and Conditions of Sale.

**DESIGN CRITERIA**

These building plans have been prepared to comply with the standards nominated in the engineer's letter. All plans are not to Scale.

The structure has been designed to allow for less than 50% of the cross-section exposed to the wind under the roof to be blocked by goods or materials in accordance with AS/NZS 1170.2:2011. Blocking more than 50 % of the cross - section under the roof with goods or materials will change the loads on the structure which have not been allowed for.

**ADDITIONAL DOCUMENTATION TO BE SUPPLIED BY PURCHASER/OWNER**

The Purchaser/Owner is responsible for:

- \*Provision of Soils Report for the site and in the building area on which the building is to be erected
- \*Site Plan and Drainage Plans
- \*Any other plans not covered by these engineering plans requested by the local Council or the authority

**RAINWATER AND DRAINAGE**

All Rainwater and drainage designs are the responsibility of the purchaser/owner. Residential gutters and downpipes where supplied are based on average rainfall for the state and may not be sufficient for your building size or usage. Please speak to your building designer or contractor to ensure gutters are fit for purpose.

**BUILDING CONSTRUCTION REQUIREMENTS**

The Builder and Purchaser are to ensure that all construction is carried out in accordance with the Plans, the Construction Manual and the Bill of Materials (BOM).

It is the responsibility of the builder to ensure that they are familiar with the operational risks and their obligations in carrying out construction work.

The builder must ensure that they have an appropriate Health & Safety Plan (The Plan) compliant with and as required by their local, state and federal regulations. The Plan will need to take into account the site conditions, the size of the building and the experience of the construction personnel. The Plan will, most likely, differ for each project.

The builder must ensure that The Plan is adhered to. Particular attention should be paid to the requirements to ensure that any person working at heights are properly trained and following the requirements as set out by The Plan.

It is recommended that you check with the appropriate authority in your area as to your responsibilities.

**TEMPORARY SUPPORT, LIFTING AND SHORING**

The design of temporary propping shoring, lifting and support during construction has not been undertaken and is not included in our engagement. This work is the responsibility of the Contractor undertaking the construction of the building.

**PIER DETAILS - GENERAL**

\* The minimum size of Piers under the columns and End Wall Mullions are nominated on the Material Specifications Plan.

\* Pier Reinforcement: for any piers over 1100mm, deformed bar to within 100mm of base and minimum 75mm top cover. Minimum side cover 75mm, maximum 100mm. Rod to be caged horizontally at least twice and at a maximum of 300mm spacing. Tie with a minimum of 6mm diameter cage tie. Where pier diameter is less than 450mm diameter, use 4 N12. For diameters equal to and over 450mm, use 4 N16.\* Pier design covers sites with a minimum of 100kPa safe bearing capacity soil classification A, S, M for a class 10a building.

\* The footing designs have been calculated with adhesion values of 0kPa, 25kPa and 50kPa for clay soils and dense sand soils only.

\* A site specific geotechnical investigation has not been performed. The builder will need to verify the soil type and conditions.

\* Site conditions different to those specified require a modified design.

\* Sub grade shall be excavated and compacted to a minimum of 100% standard dry density ratio and within 2% of the OMC to comply with AS2159.

\* Designs are in accordance with AS 3600:2018

\* All concrete to be in accordance with AS 3600:2018. Minimum 25 Mpa, with 80mm slump.

\* Piers should be cured for 7 days before commencing construction of the building.

\*All dimensions are from center of columns.\* Where columns or end wall mullions have been removed, piers are not required.

\* End wall mullion spacing may move due to location of openings or doors. Check layout and component position plan, and relocate piers as required.

**BRACING NOTES**

\* Refer to Connection Details.

\* All Cross Bracing is achieved with 1.2mm Strap G450.

\* Cross bracing is to be fixed taut and secured with 14.20 x 22 frame screws at each end, quantity as per connection details.

\* Fly bracing to be fixed to the purlins/girts on all mid portal rafters, columns and end wall mullions. Fly bracing is to be fitted to every second purlin/girt, or, on every one, where the spacing between fly braces would exceed the maximum specified below for the relevant column/rafter size:

- C150 - maximum 1800mm spacing
- C200, C250 - maximum 2200mm spacing
- C300 - maximum 2800mm spacing
- C350 - maximum 2800mm spacing
- C400 - maximum 2800mm spacing

\* All bracing strap ends to be located as close as practical to structural member's (columns, rafters, mullions) centerline.

**BOLTS**



\* Unless otherwise nominated, all bolts are grade 4.6

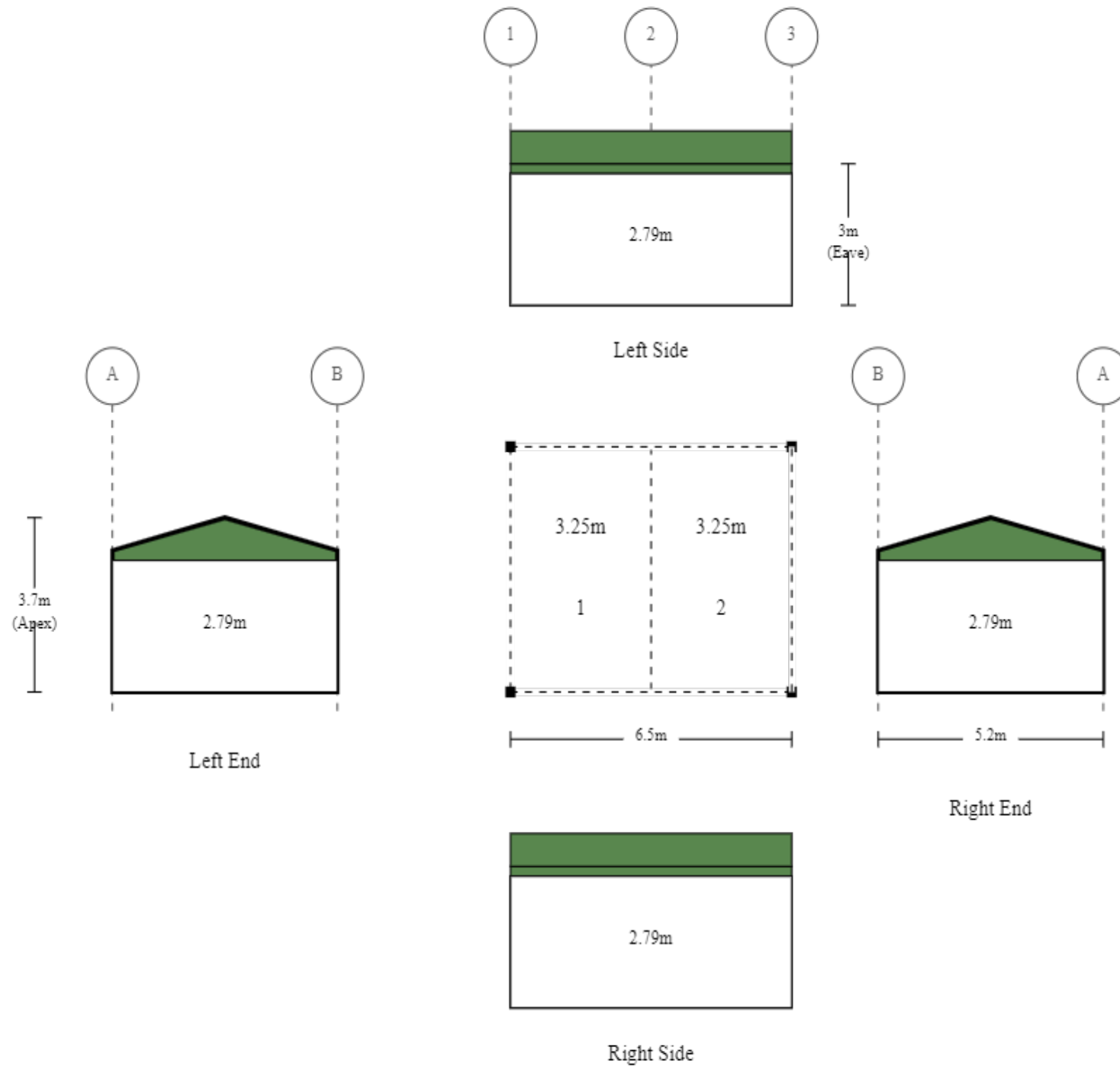
\* All tensioned bolts shall be tensioned using the part turn method (refer to AS4100). For the erector, full details are in the construction manual.

**OTHER MATERIALS NOTES**

\* All Sheeting, Flashing and framing screws are Climaseal 4.

\* All purlin material has Z350 zinc coating with minimum strength of 450MPa.

|          |      |         |   |                        |   |   |   |
|----------|------|---------|---|------------------------|---|---|---|
| Revision | Date | Initial | Purchaser Name: Brett & Nicole Treeve                   |                        | <p style="text-align: center;">General Notes</p> <p style="text-align: center;">Page 1 of 1</p> <p style="text-align: center;">©Copyright Steelx IP Pty Ltd</p> |  |  |
|          |      |         | Site Address: 177 Mortimer St Mudgee NSW 2850 Australia |                        |   |   |   |
|          |      |         | Drawing # TMUD223023 - 2                                | Print Date: 15/11/2022 |   |   |   |
|          |      |         |   |                        |   |   |   |



Purchaser Name: Brett & Nicole Treeve

Site Address: 177 Mortimer St Mudgee NSW 2850 Australia

Drawing # TMJD223023 - 3

Print Date: 15/11/22

**Layout**  
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Signature: *J. Partridge*

**MATERIAL SPECIFICATIONS**

For further information regarding the tabulated values shown, refer to the General Notes

**Building Dimensions**

| Categories    | Span | Length | Pitch | Height | Grid(s) | Portal(s) |
|---------------|------|--------|-------|--------|---------|-----------|
| Main Building | 5.2  | 6.5    | 15    | 3      | A - B   | 1 - 3     |

**Portal Frame Elements**

| Grid / Portal Number |          | 1       | 2      | 3       |
|----------------------|----------|---------|--------|---------|
| Columns              | A        | SHS1030 | -      | SHS1030 |
|                      | B        | SHS1030 | -      | SHS1030 |
| Rafters              | A - Apex | C15015  | C15015 | C15015  |
|                      | Apex - B | C15015  | C15015 | C15015  |

**Bay Section Elements**

| Grid / Bay Number                            |          | 1      | 2      | Maximum |
|--|----------|--------|--------|---------|
| Bay Widths                                   |          | 3.25   | 3.25   |         |
| Roof Purlins (refer to Purlin And Girt Plan) |          | TH64   | TH64   |         |
| Roof Purlin Spacing (End)                    | A - Apex | 0.881  | 0.881  | 0.900   |
|  | Apex - B | 0.881  | 0.881  | 0.900   |
| Roof Purlin Spacing (Internal Spans)         | A - Apex | 0.881  | 0.881  | 1.200   |
|  | Apex - B | 0.881  | 0.881  | 1.200   |
| Beam Overs                                   | A        | C20019 | C20019 |         |
|  | B        | C20019 | C20019 |         |
| Side Girts Spacing (End)                     | A        | 0.11   | 0.11   | 1.700   |
|  | B        | 0.11   | 0.11   | 1.700   |
| Side Girts Spacing (Internal)                | A        | 0.11   | 0.11   | 1.700   |
|  | B        | 0.11   | 0.11   | 1.700   |

**End Bay Section Elements**

| Grid / Portal Number                      |       | 1    | 3    | Maximum |
|---|-------|------|------|---------|
| End Girts (refer to Purlin And Girt Plan) |       | C200 | C200 |         |
| End Girts Spacing (End)                   | A - B | 0.11 | 0.11 | 1.700   |
| End Girts Spacing (Internal)              | A - B | 0.11 | 0.11 | 1.700   |

**Cladding Elements**

| Category      | Colour           | Product                     |
|---------------|------------------|-----------------------------|
| Roof Sheeting | COLORBOND® steel | CORODEK® 0.42 BMT (0.47TCT) |
| Wall Sheeting | COLORBOND® steel | CORODEK® 0.42 BMT (0.47TCT) |

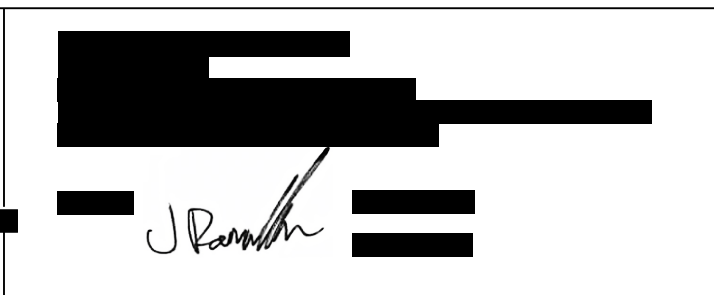
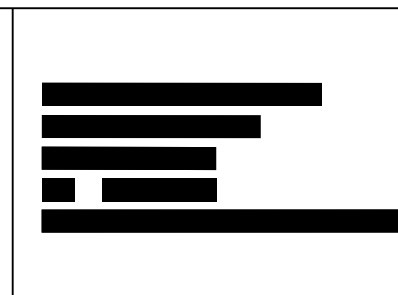
**Pier Sizes**

| Adhesion (kPa) | Soil Description         | Diameter (m) | Depth (m) - when NO Slab |
|----------------|--------------------------|--------------|--------------------------|
| 0              | Sandy Soil               | 0.3          | 0.6                      |
|                |                          | 0.45         | 0.6                      |
|                |                          | 0.6          | 0.6                      |
| 25             | Soft to Firm Clay        | 0.3          | 0.6                      |
|                |                          | 0.45         | 0.6                      |
|                |                          | 0.6          | 0.6                      |
| 50             | Stiff to Very Stiff Clay | 0.3          | 0.6                      |
|                |                          | 0.45         | 0.6                      |
|                |                          | 0.6          | 0.6                      |

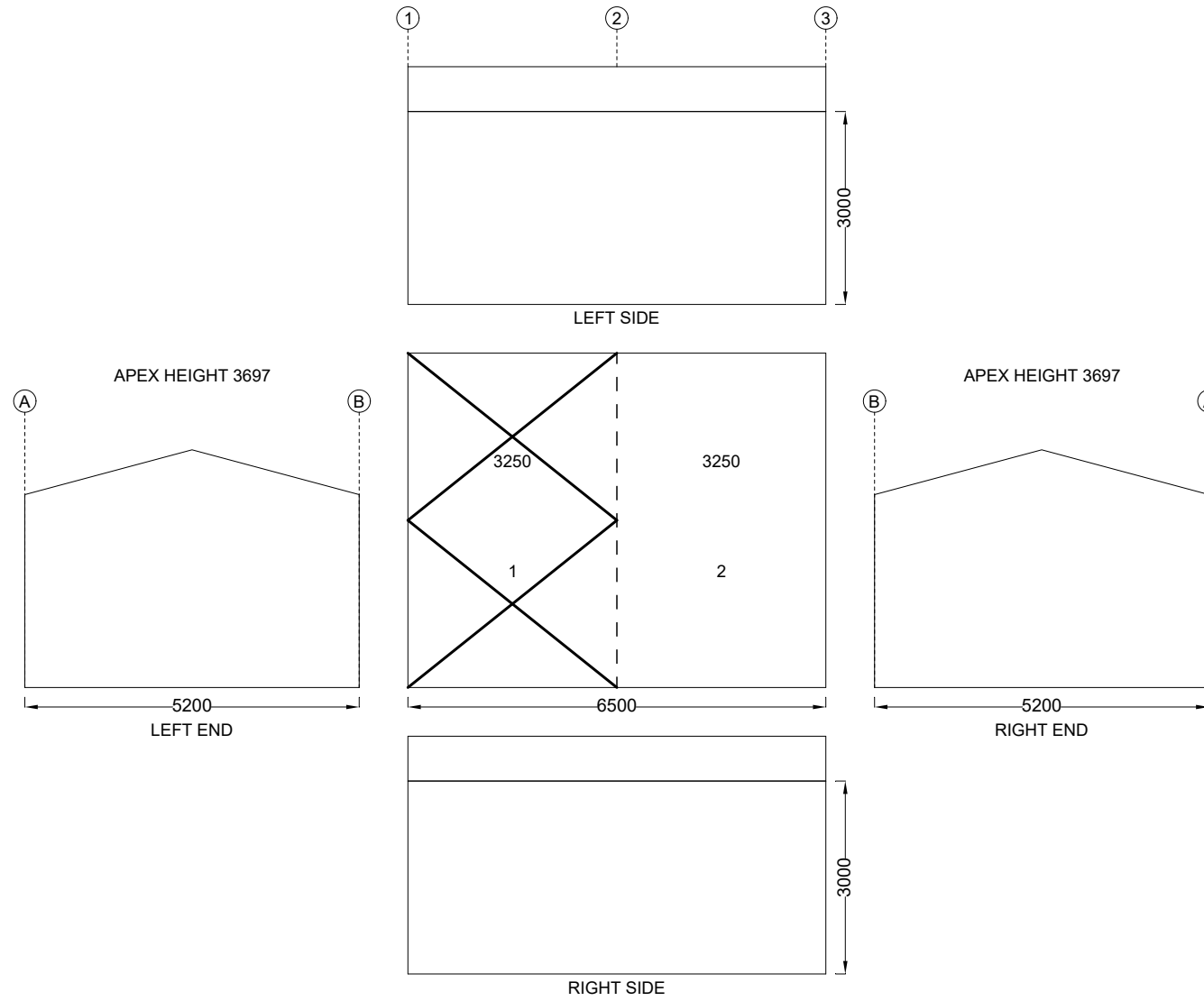
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|          |      |         | Purchaser Name: Brett & Nicole Treeve                   |                        |
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Specification Sheet

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Cross Bracing is achieved with 1.2mm Strap. Refer to Connection Details.



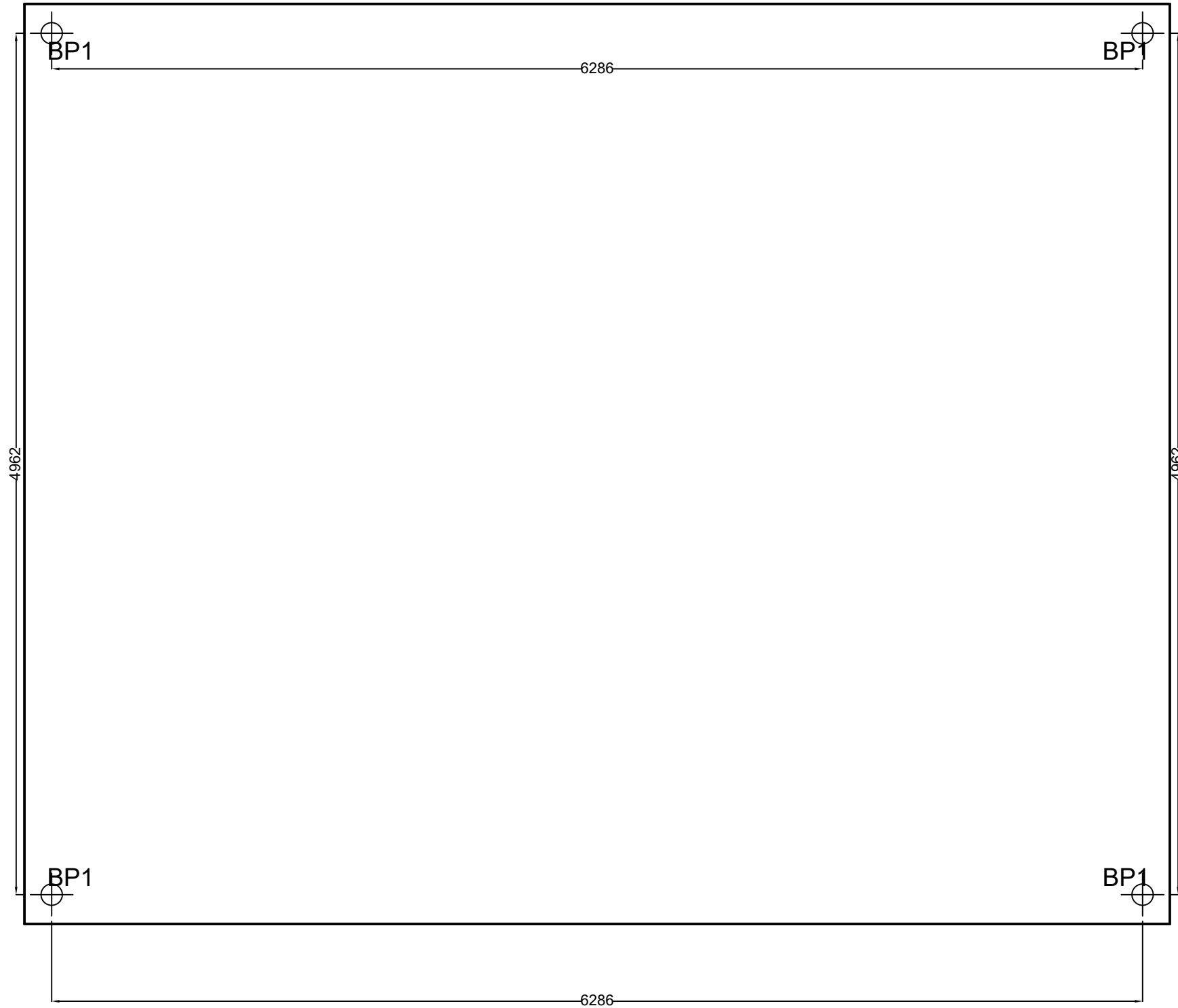
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|          |      |         |   |                        |

**Bracing**  
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[Redacted]  
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 Signature: *J. Rambo*  
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These dimensions are provided as a guide only. It is the responsibility of the concreter to confirm that all dimensions are correct.  
 Refer to Material Specifications Plan for BP dimensions.

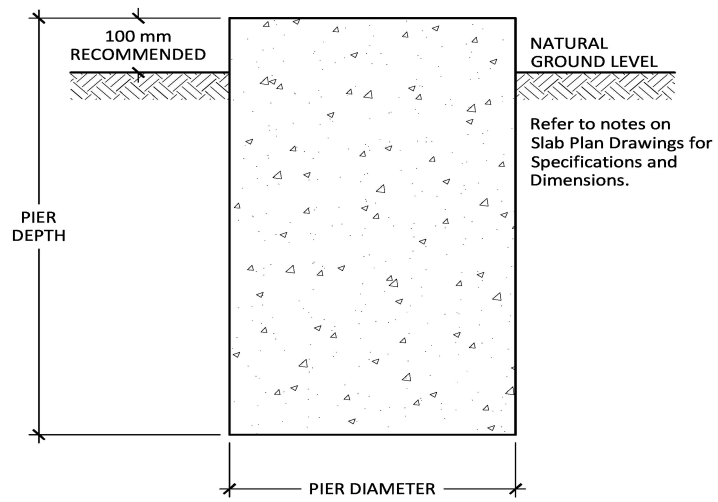


| Revision | Date | Initial | Purchaser Name: Brett & Nicole Treeve                   |                        |
|----------|------|---------|---|------------------------|
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|          |      |         | Drawing # TMUD223023 - 6                                | Print Date: 15/11/2022 |

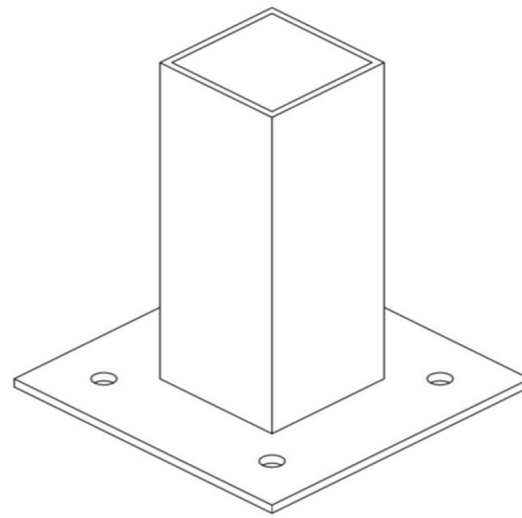
**Concrete Piers**  
 PIER MEASUREMENT ONLY  
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 [REDACTED]

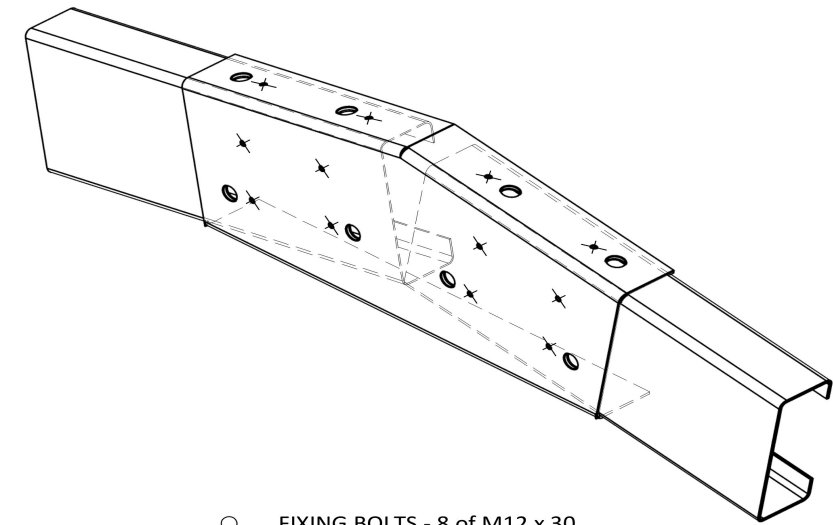
Signature: *J. Rambo*  
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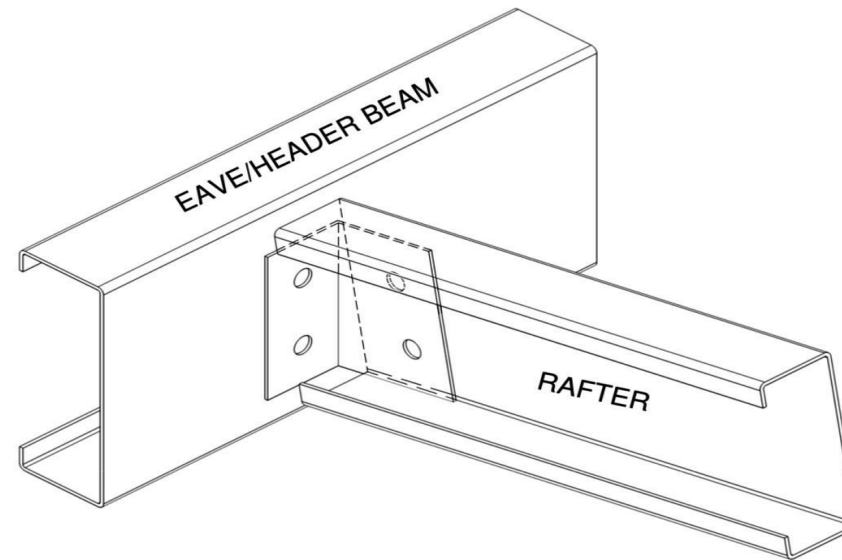
**BORED PIER**



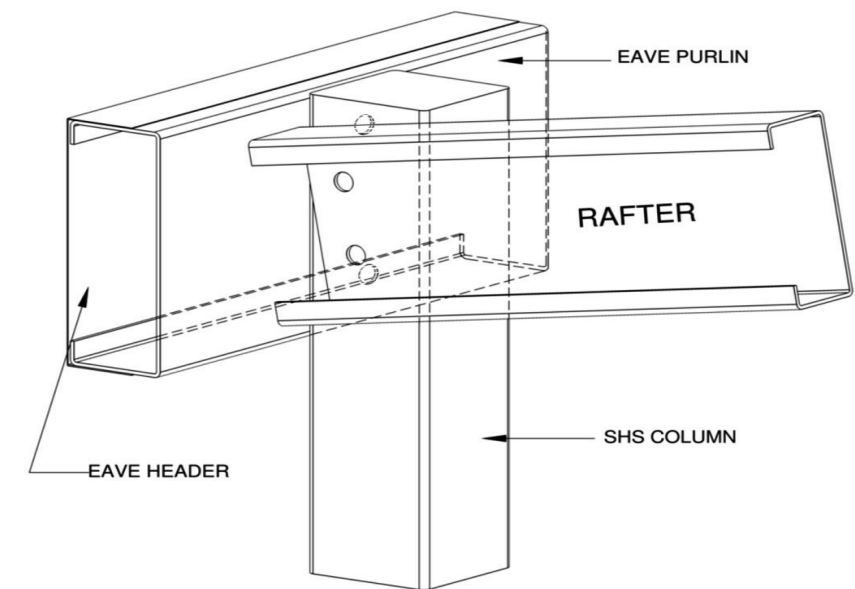
○ FIXING BOLT - 4 of M16 x 111 Galv  
**COLUMN BASE PLATE - CARPORT**



○ FIXING BOLTS - 8 of M12 x 30  
 × FIXING SCREWS - 12 of 14.20 x 22  
**APEX PLATE, C150, 15°**



○ FIXING BOLTS - 4 OF M12 x 30  
**RAFTER TO EAVE/HEADER CONNECTION**  
 C150 - 15deg



○ FIXING BOLTS : 4 OF M12 x 30  
**RAFTER TO EAVE/COLUMN CONNECTION -**  
 C150 ,15deg

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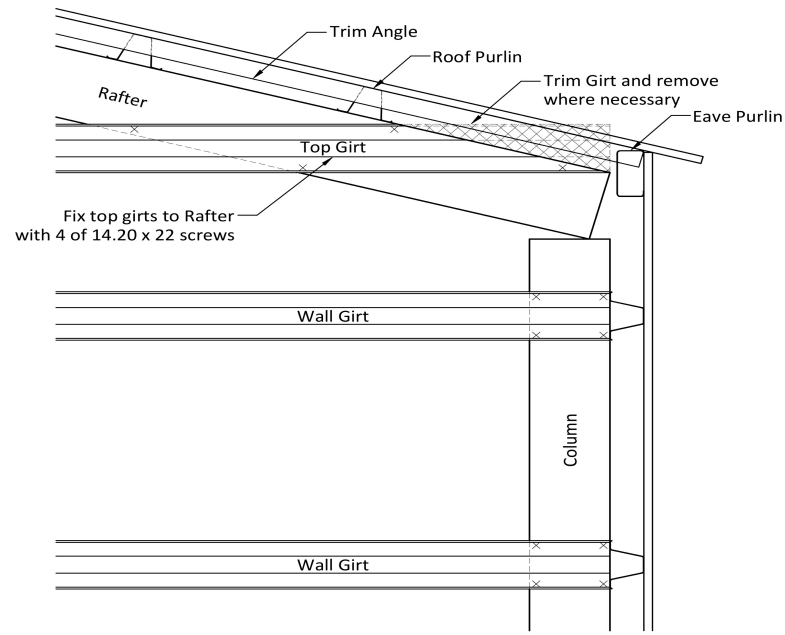
Drawing # TMJD223023 - 7

Print Date: 15/11/22

**Connection Details**

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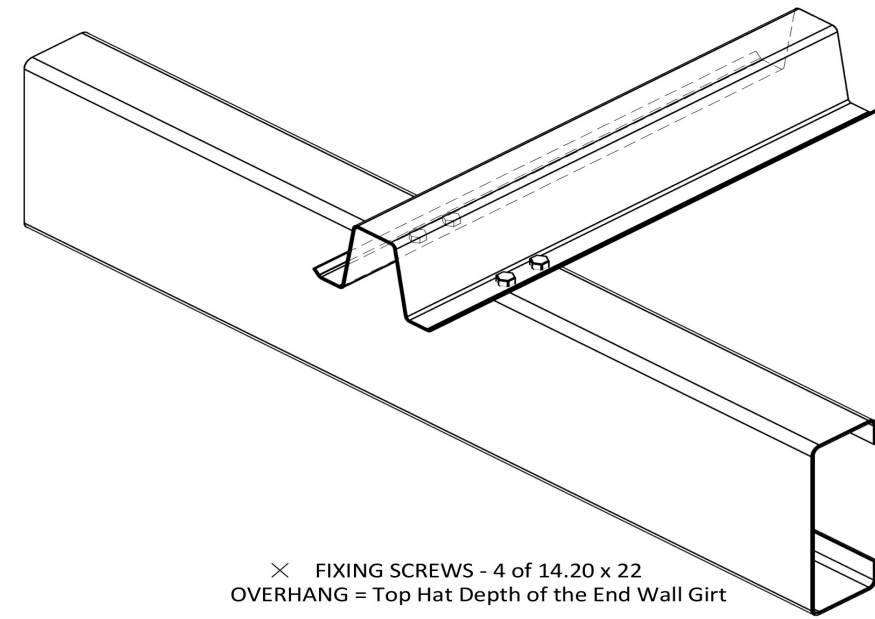
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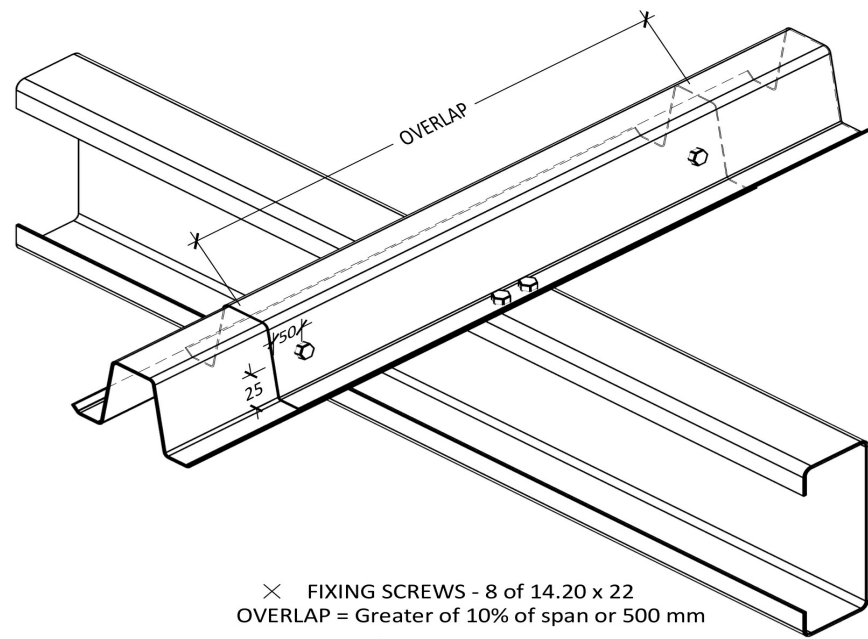
GABLE END TOP GIRT FIXING - TH



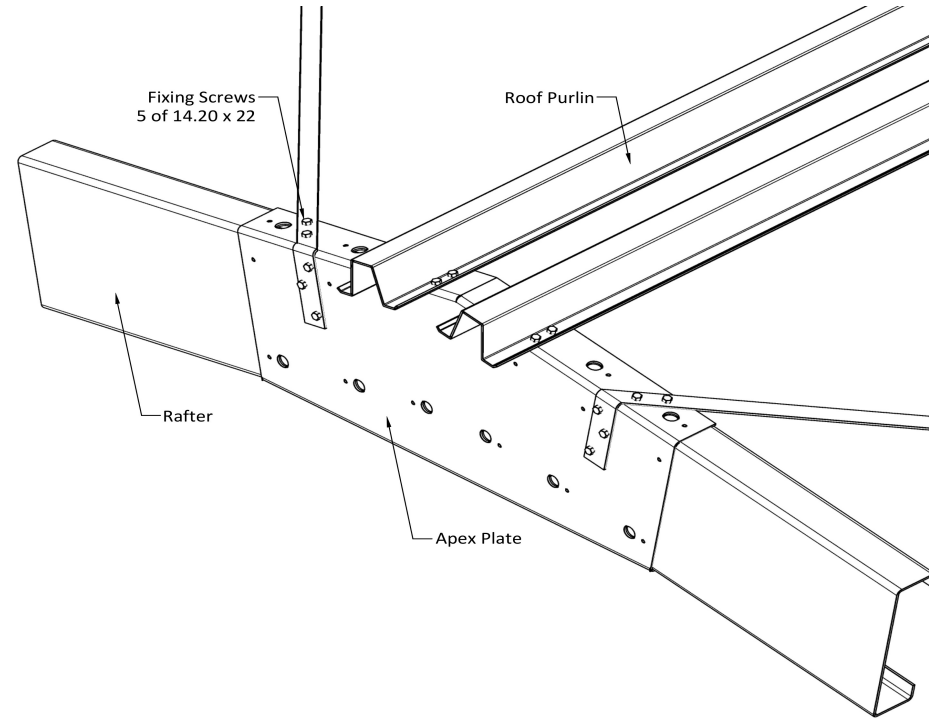
FIXING SCREWS - 4 of 14.20 x 22  
GIRT FIXING TO RAFTER - TH



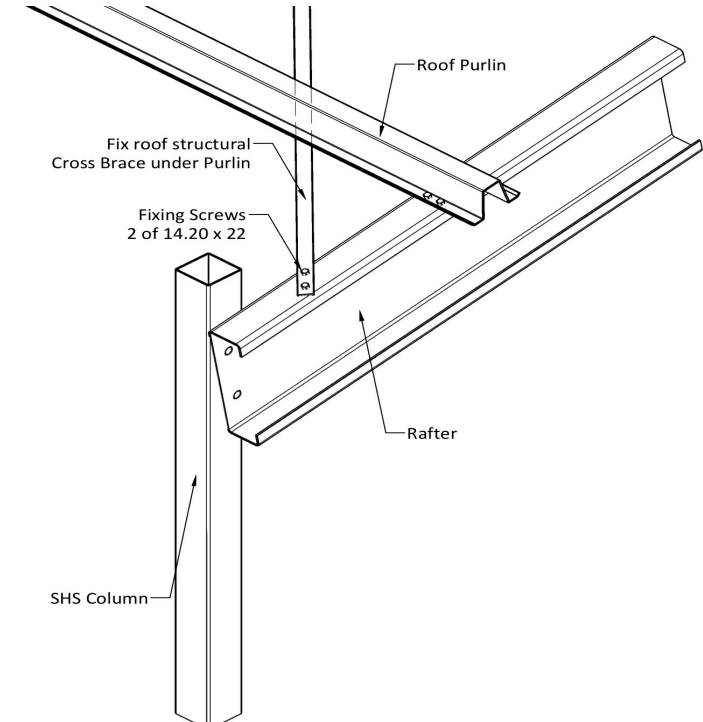
FIXING SCREWS - 4 of 14.20 x 22  
OVERHANG = Top Hat Depth of the End Wall Girt  
PURLIN & SIDE GIRT END WALL FIXING  
TOP HAT - SINGLE COLUMN OR RAFTER



FIXING SCREWS - 8 of 14.20 x 22  
OVERLAP = Greater of 10% of span or 500 mm  
PURLIN/GIRT FIXING - TH64  
WITH SINGLE COLUMN OR RAFTER



BRACING CONNECTION AT APEX



BRACING CONNECTION DETAIL

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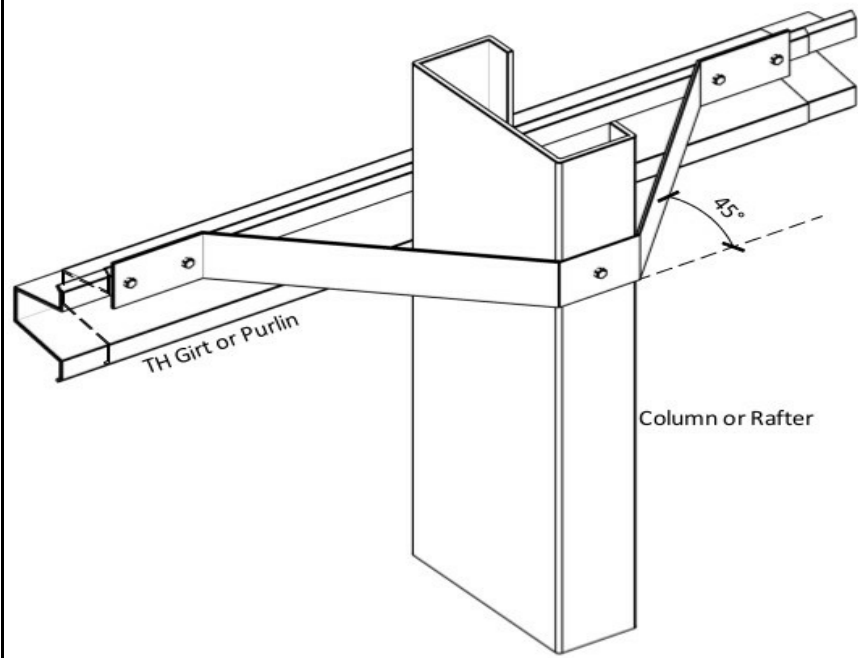
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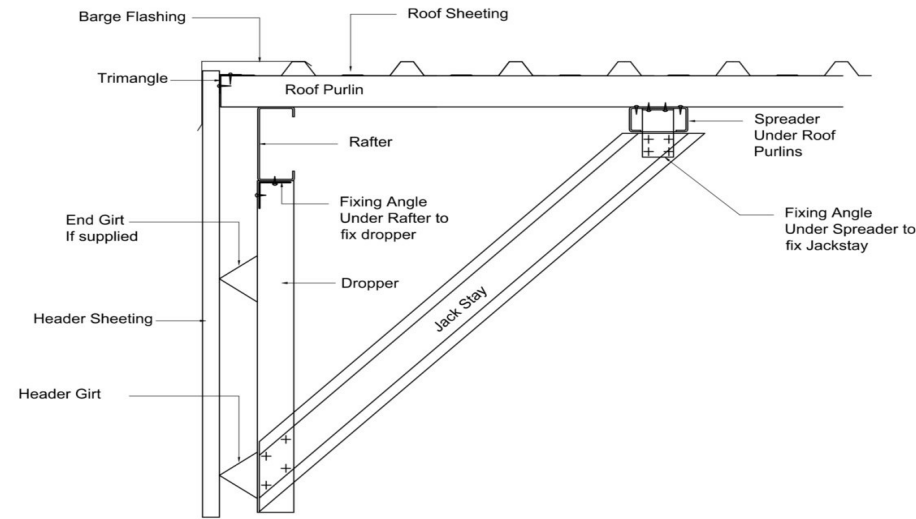
**Connection Details**

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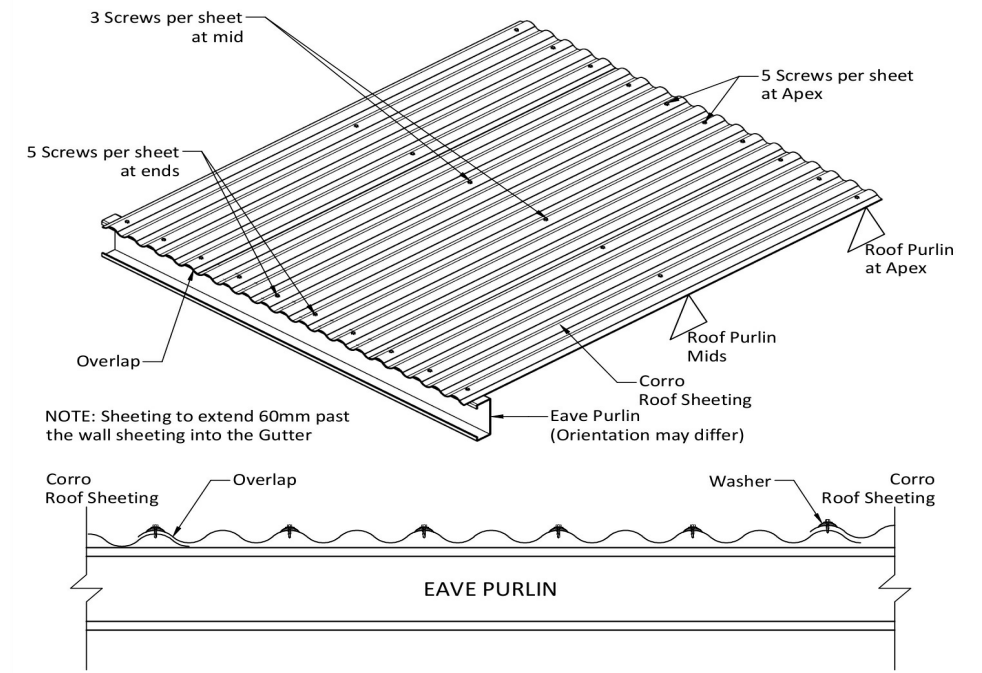
Signature: 



FIXING SCREWS - 5 of 14.20 x 22  
FLY BRACING



JACKSTAYS - GABLE INFILL CONNECTION



NOTE: Sheeting to extend 60mm past the wall sheeting into the Gutter

Roofing Screws - 12.14 x 35 Hex Seal High Grip with Cyclonic Washer

CORRO ROOF SHEET FIXING

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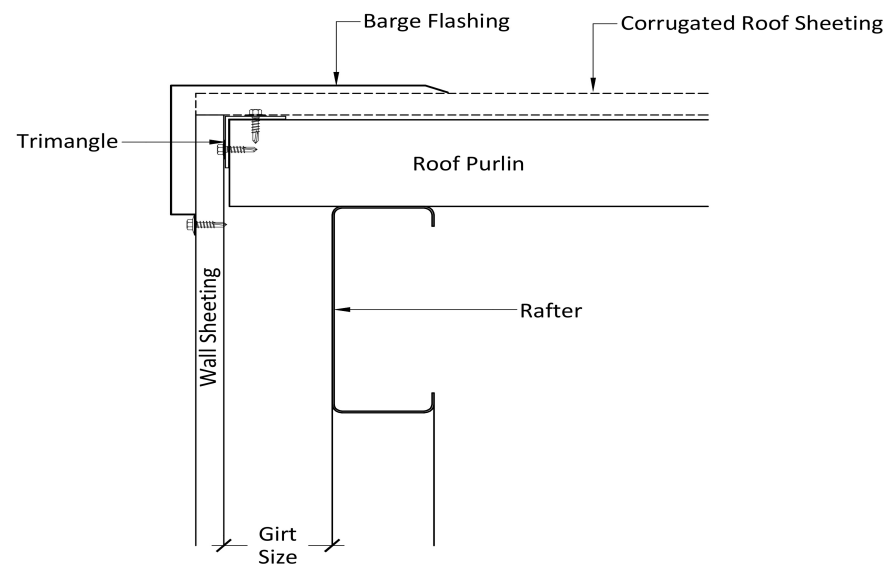
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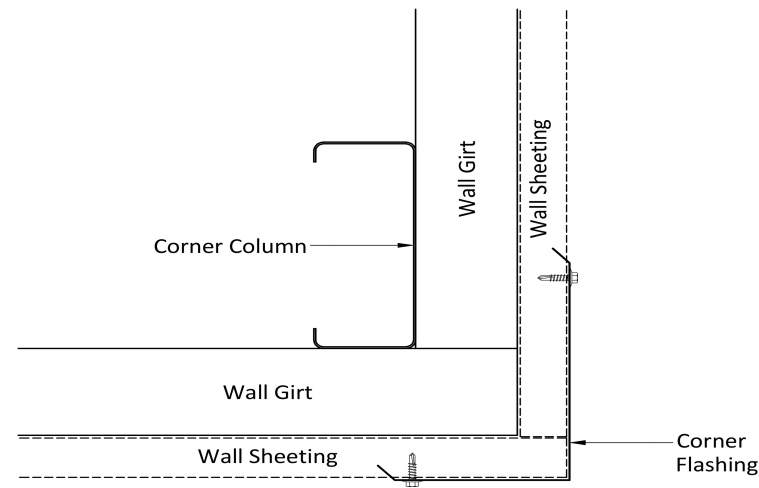
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Signature: *J Rambo*

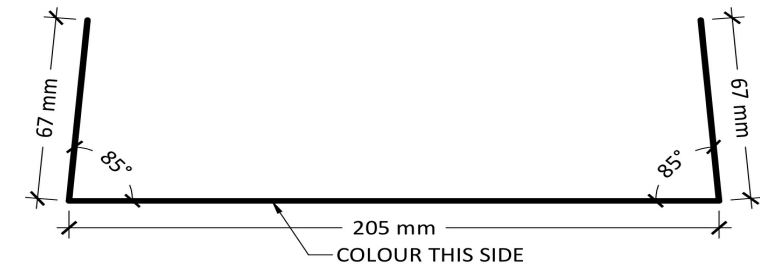




Barge Flashing XF10 - CT - Sheeting Gable



Corner Flashing XF21 - CT



C200 Eave Beam Header Flashing  
XF951

Purchaser Name: Brett & Nicole Treeve

Site Address: 177 Mortimer St Mudgee NSW 2850 Australia

Drawing # TMJD223023 - 8

Print Date: 15/11/22

**Flashing Fixing Details**

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Seller: THE Shed Company Mudgee  
S & K Lincoln Pty Ltd  
Phone: (02) 6372 7755  
Fax: (02) 6372 7700  
Email: mudgeeadmin@theshedcompany.com.au



Signature: *J. Ramm*

