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.

DESIGN CRITERIA

These building plans have been prepared to comply with the standards nominated in the engineer's letter and itemised details in the attached Design Information Sheet. All plans are not to Scale.

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 Earlier plans provided may have become outdated due to engineering changes and should not be used.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.

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/Drainage Plans
- *Any other plans not covered by these engineering plans requested by the local Council or the authority

BUILDING CONSTRUCTION REQUIREMENTS

The Purchaser/Owner is to be ensured that all building construction is carried out in accordance with the Plans, the Construction Manual and the Bill of Materials (BOM).

SLAB AND PIER DETAILS - GENERAL

- * 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.
- * Design covers sites with a minimum of 100kPa safe bearing capacity and of soil classifications of A, S, M, H1 or H2 for a class 9 building.
- * The footing designs have been calculated with adhesion values of 0kPa, 25kPa and 50kPa for clay soils and dense sand soils only.
- * 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.
- * A site specific geotechnical investigation has not been performed, uno.
- * Designs are in accordance with AS 3600:2009

Purchaser Name: St Marys Rugby League Club Ltd

Site Address: Forester Road ST MARYS NSW Australia 2760

- * All concrete to be in accordance with AS 3600:2009. Minimum 25 Mpa, with 80mm slump.
- * Concrete should be cured for 7 days before commencing construction of the building.
- * The minimum size of Piers under the columns and End Wall Mullions are nominated

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on the Material Specifications Plan. When the slab and piers are poured as one pour, the depth of the pier is to the bottom of the slab.

* 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.

Concrete Slab

For Class A, S or M Sites

- * Slab thickness to be a minimum of 100mm with SL 72 mesh and 40mm top cover.
- * Concrete piers under Roller Door Jambs to be a minimum size as below: C20019 450mm dia x 500mm deep, centered to the C Section

 Where heavy traffic is to go through the roller door, it is recommended that the slab edge should be thickened to 200mm deep by 300mm wide for the length between the mullions. Place an additional section of SL 72 mesh, 50mm from the base in all thickenings.

For Class H1 or H2 Sites

- * Slab thickness to be a minimum of 125mm with SL 82 mesh and 40mm top cover.
- * Edge beam 400mm deep x 300mm wide with Y12 3 bar Trench Mesh to the perimeter of the building.
- * Thickening beams 400mm deep by 300mm wide with Y12 3 bar Trench Mesh at a max spacing of 6.2m.
- * Concrete piers under Roller Door Jambs to be a minimum size as below: C20019 450mm dia x 650mm deep, centered to the C Section

Concrete Piers Only

For Class A, S or M Sites

* Concrete piers under Roller Door Jambs to be a minimum size as below: C20019 - 450mm dia x 1000mm deep, centered to the C Section

For Class H1 or H2 Sites

* Concrete piers under Roller Door Jambs to be a minimum size as below: C20019 - 450mm dia x 1300mm deep, centered to the C Section

BRACING NOTES

- * Refer to Connection Details.
- * All bracing strap to be 32mm x 1.6mm G450
- * Cross bracing is to be fixed taught and secured with 2 x 14.20 x 22 frame screws at each end.
- * Fly bracing to be fixed to the purlins/girts at all mid portal rafters, columns and end wall mullions. The spacing between fly braces is determined by column/rafter sizes as follows:

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

C350 - maximum 3400mm spacing

Initial measurement is from the haunch of the column/rafter, and from the rafter for any end wall mullions.

* All bracing strap ends to be located as close as practical to structural members (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.

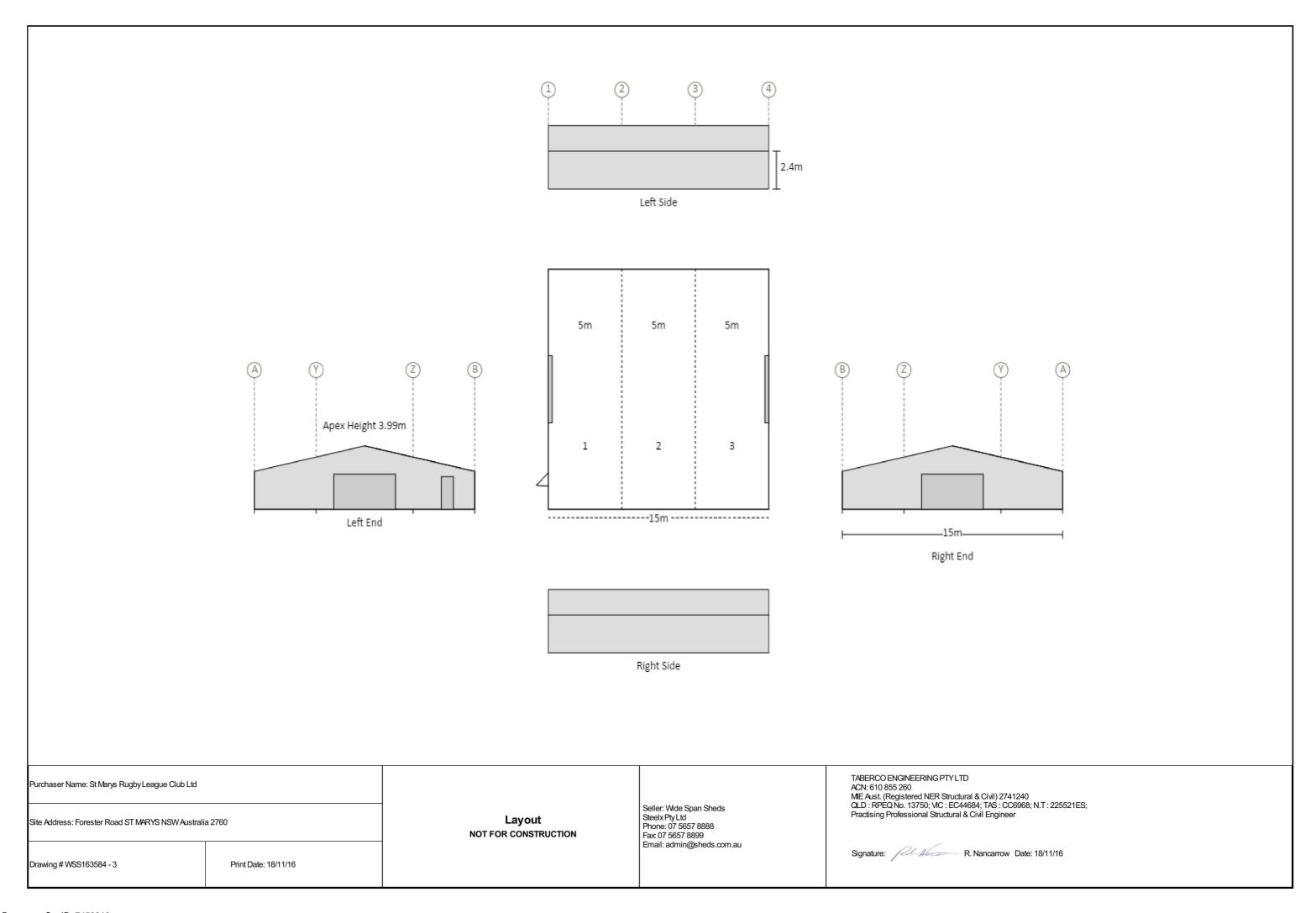
General Notes
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Page 1 of 1

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QLD: RPEQ No. 13750; VIC: EC44684; TAS: CC6968; N.T: 225521ES;
Practising Professional Structural & Civil Engineer

Signature: R. Nancarrow Date: 18/11/16

Document Set ID: 7450913
Version: 1. Version Date: 09/12/2016

Drawing # WSS163584 - 2



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	15	15	12	2.4	A-B	1-4

P	ortal	Fran	ne E	leme	ents
			$\overline{}$		_

Grid / Portal Number		1	2	3	4
Columns	Α	C25019	C30024	C30024	C25019
	В	C25019	C30024	C30024	C25019
Rafters	A-Apex	C25019	C30024	C30024	C25019
	Apex - B	C25019	C30024	C30024	C25019
End Wall Mullions	Υ	C20015	-	-	C20015
	Z	C20015	-	-	C20015
Apex Braces	Apex	-	C25024 @ 4.5m	C25024 @ 4.5m	-
Knee Braces	A - Apex	-	C25024 @ 2.7m	C25024 @ 2.7m	=
	Apex - B	_	C25024 @ 2.7m	C25024@2.7m	-

		Bay Section Elements		
Grid / Bay Number		1	2	3
Bay Widths		5	5	5
Roof Purlins	A-Apex	Z15012	Z15012	Z15012
	Apex-B	Z15012	Z15012	Z15012
Roof Purlin Spacing (End)	A-Apex	0.9	0.9	0.9
	Apex-B	0.9	0.9	0.9
Roof Purlin Spacing (Internal Spans)	A-Apex	1.136	1.136	1.136
	Apex-B	1.136	1.136	1.136
Eave Purlin	Α	C15012	C15012	C15012
	В	C15012	C15012	C15012
Side Girts	A	Z15012	Z15012	Z15012
	В	Z15012	Z15012	Z15012
Side Girts Spacing (End)	A	1.085	1.085	1.085
	В	1.085	1.085	1.085
Side Girts Spacing (Internal)	Α	1.085	1.085	1.085
	В	1.085	1.085	1.085

End Bay Section Elements

Grid / Portal Number	AVX	1	4
End Girts	A-Y	Z10010	Z10010
	Y-Z	Z10010	Z10010
	Z-B	Z10010	Z10010
	A-X	-	-
	X-Y	-	-
End Girts Spacing (End)	A-Y	1.085	1.085
	Y-Z	1.085	1.085
	Z-B	1.085	1.085
	A-X	-	-
	X-Y	-	-
End Girts Spacing (Internal)	A-Y	1.085	1.085
	Y-Z	1.085	1.085
	Z-B	1.085	1.085
	A-X	-	-
	X-Y	-	-
Roller Door Jambs	Y-Z	C20019	C20019
	Z-B	-	-
	A-X	-	-
	X-Y	-	-
PA Door Header	Y-Z	-	-
	Z-B	C10010	-

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MATERIAL SPECIFICATIONS

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

End Bay Section Elements

Grid / Portal Number	_	1	4
	A-X	-	-
	X-Y	-	-
PA Door Jambs	Y-Z	-	-
	Z-B	C10012	-
	A-X	-	-
	X-Y	-	-

Cladding Elements

Category	Colour	Product			
Roof Sheeting	COLORBOND® steel	CORODEK® steel 0.42 BMT (0.47TCT)			
Roof Flashings	COLORBOND® steel	BlueScope 0.55 BMT			
Wall Sheeting	COLORBOND® steel	CORODEK® steel 0.42 BMT (0.47TCT)			
Wall Flashing	COLORBOND® steel	BlueScope 0.55 BMT			

Pier Siz

			1 101 0120			
			Pier Only		Slab and Piers	
Adhesion (kPa)	Soil Description	Diameter (mm)	BP1 (mm)	BP2 (mm)	BP1 (mm)	BP2 (mm)
0	Sandy Soil	300	-	=	-	-
		450	800	-	450	-
		600	600	900	450	450
25	Soft to Firm Clay	300	-	-	-	-
		450	700	-	450	-
		600	600	900	450	450
50	Stiff to Very Stiff Clay	300	-	-	-	-
		450	700	-	450	-
		600	600	900	450	450

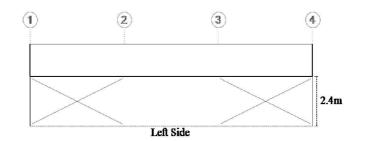
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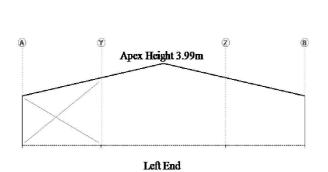
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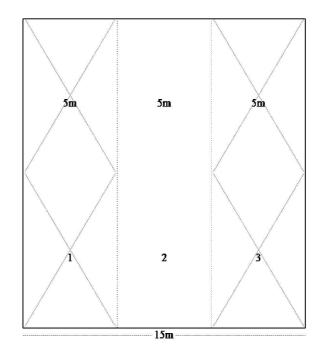
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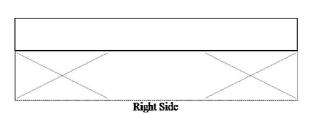
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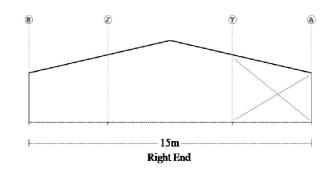
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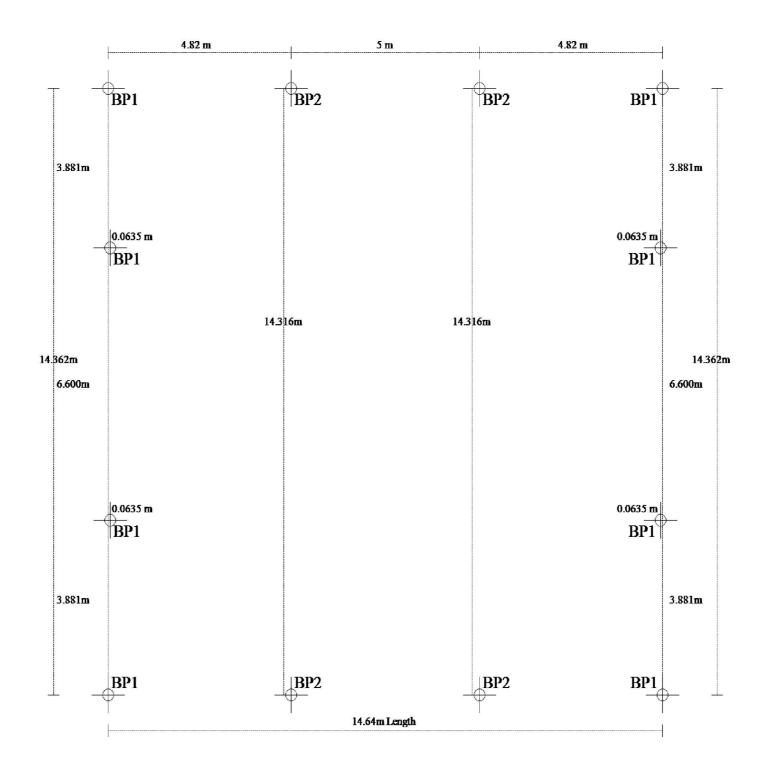
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Bracing
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Refer to Material Specifications Plan for BP dimensions.



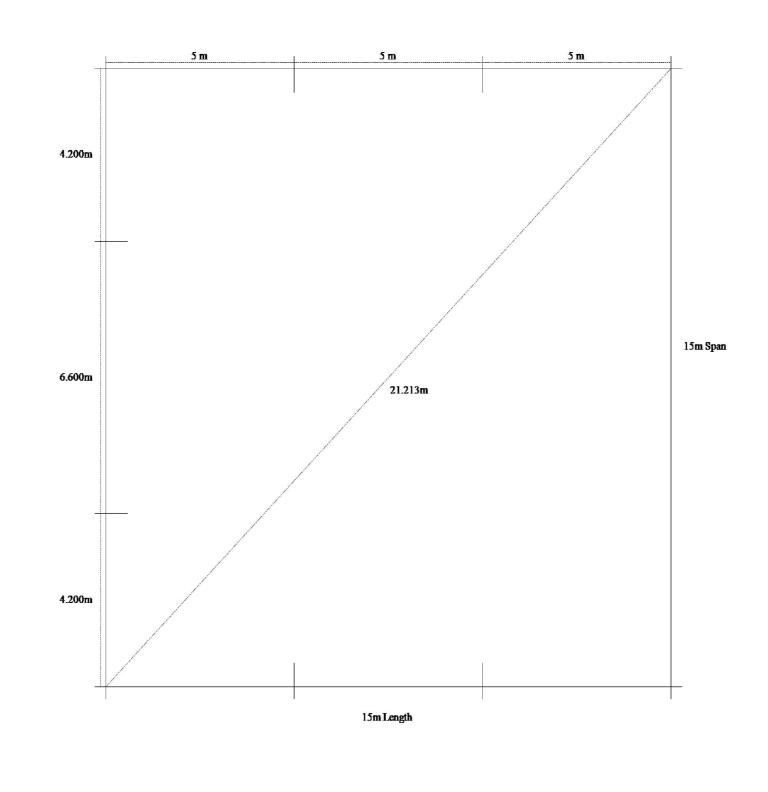
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Concrete Piers
PIER MEASUREMENT ONLY. NOT FOR CONSTRUCTION
Not to Scale

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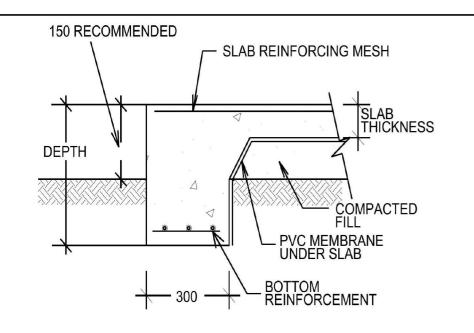
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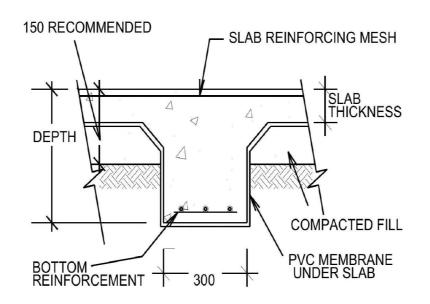
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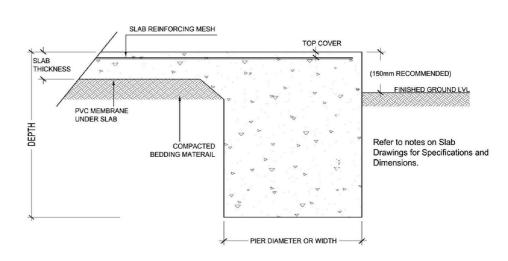
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Slab Dimensions Also refer to Concrete Piers Plan. NOT FOR CONSTRUCTION Not to Scale

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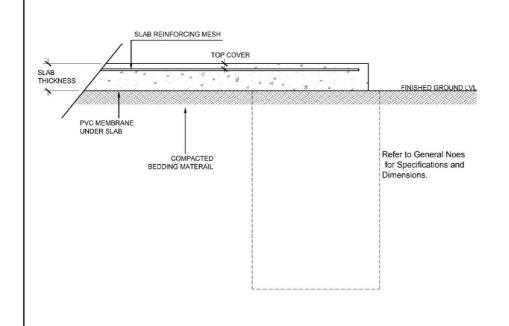


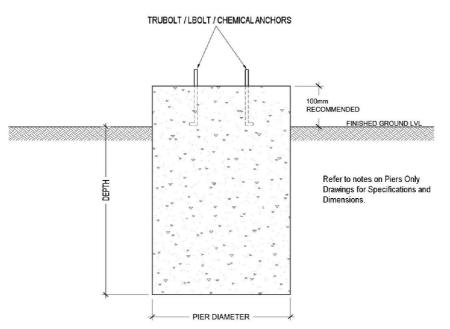


PERIMETER BEAM (H1 & H2 SOIL TYPE ONLY)

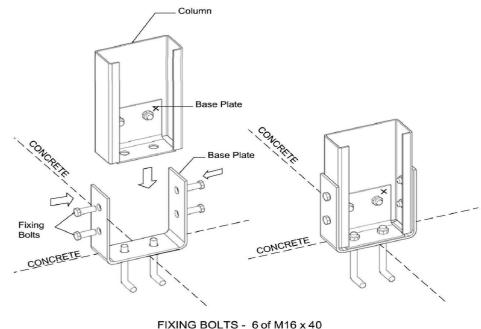
INTERNAL BEAM (H1 & H2 SOIL TYPE ONLY)

SLAB AND PIER DETAIL





BORED PIER

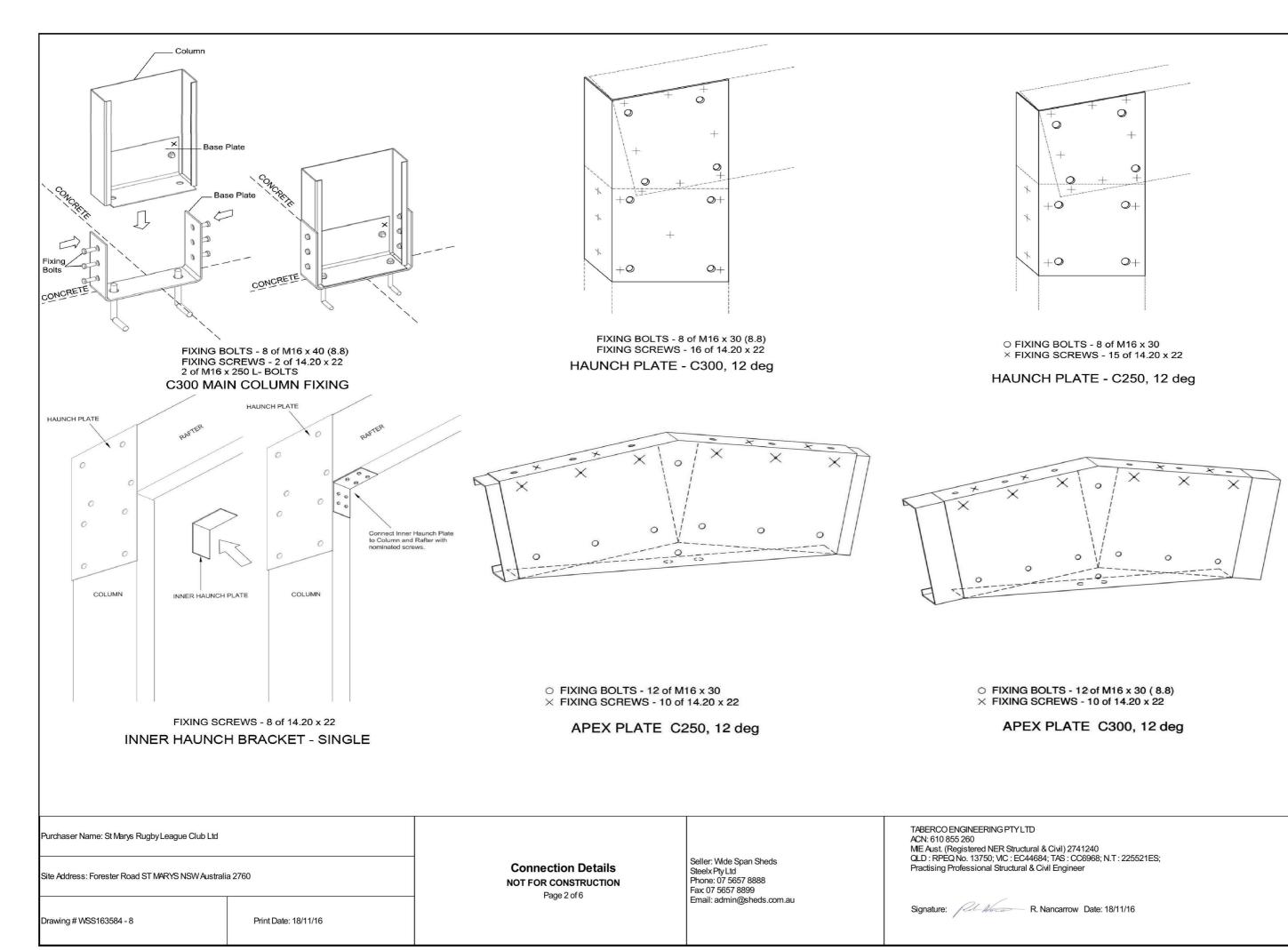


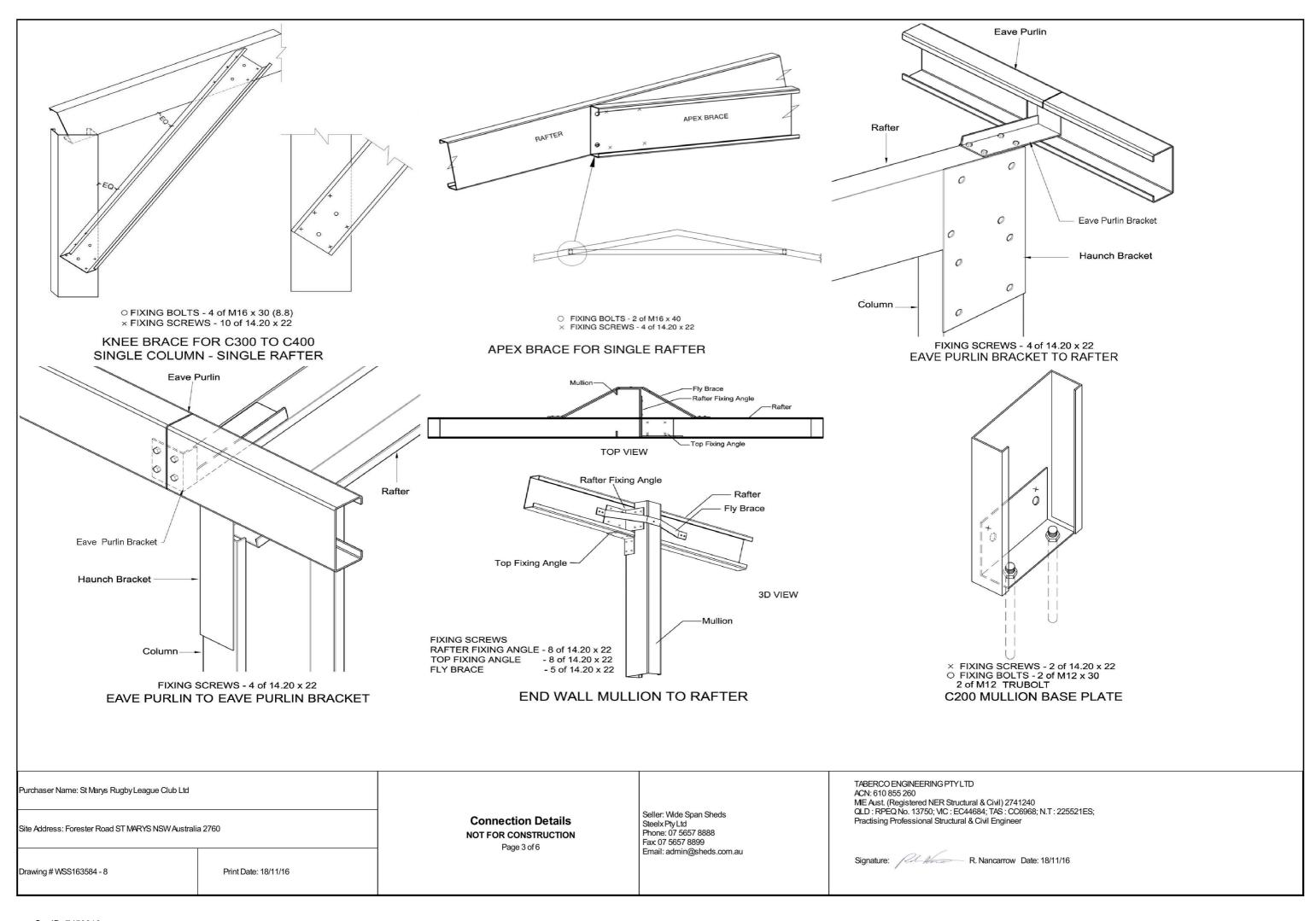
SLAB DETAIL BETWEEN PIERS

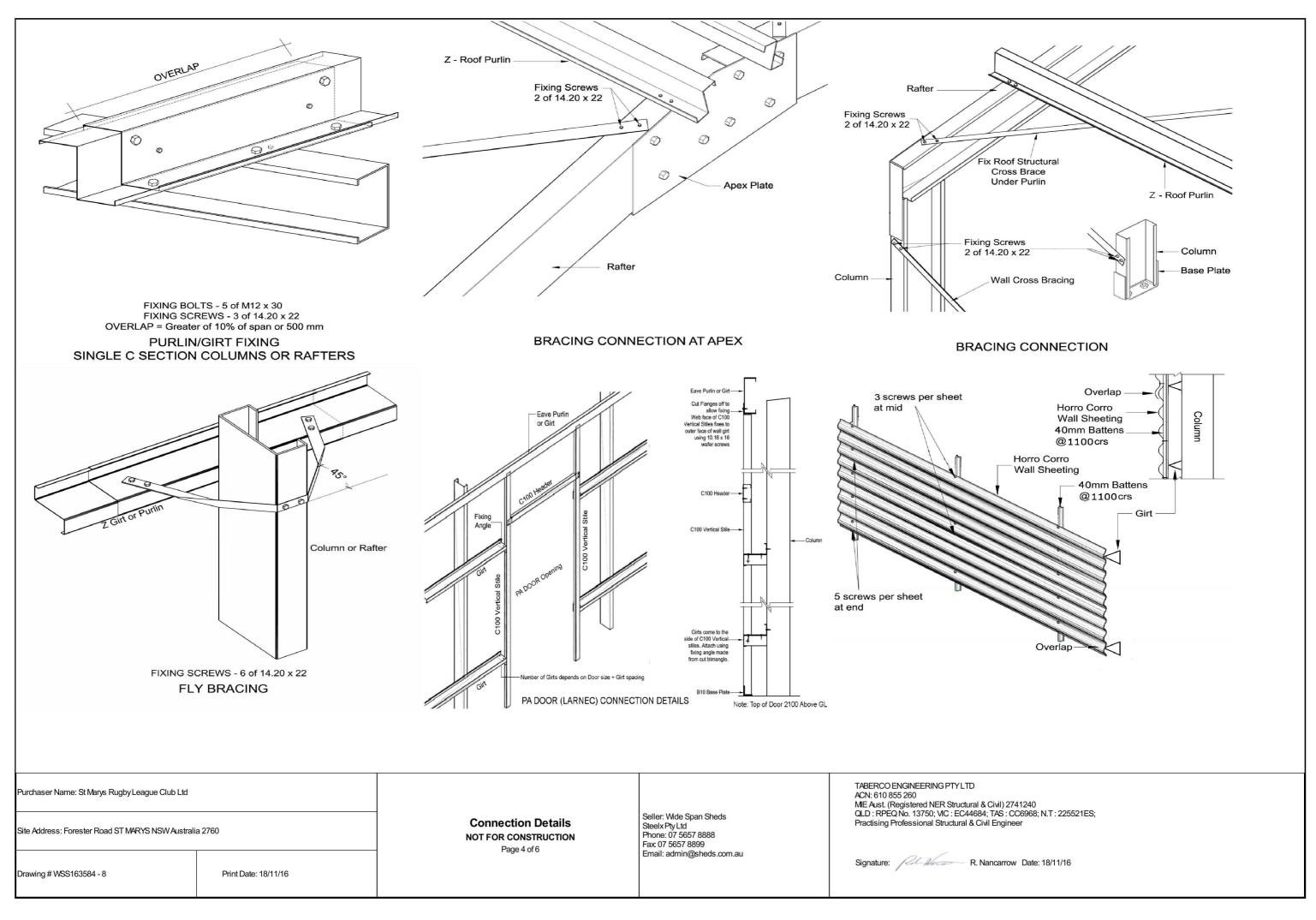
FIXING SCREWS - 2 of 14.20 x 22 2 of M16 x 250 L-BOLTS C250 MAIN COLUMN FIXING

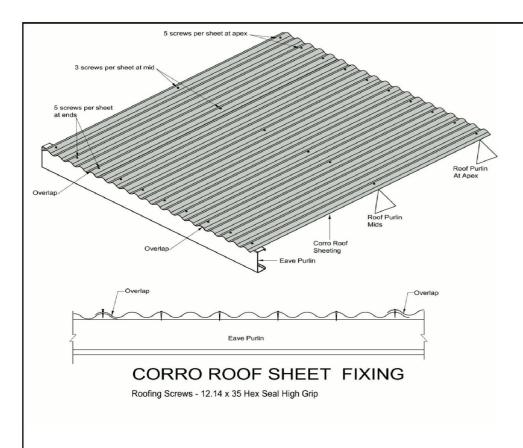
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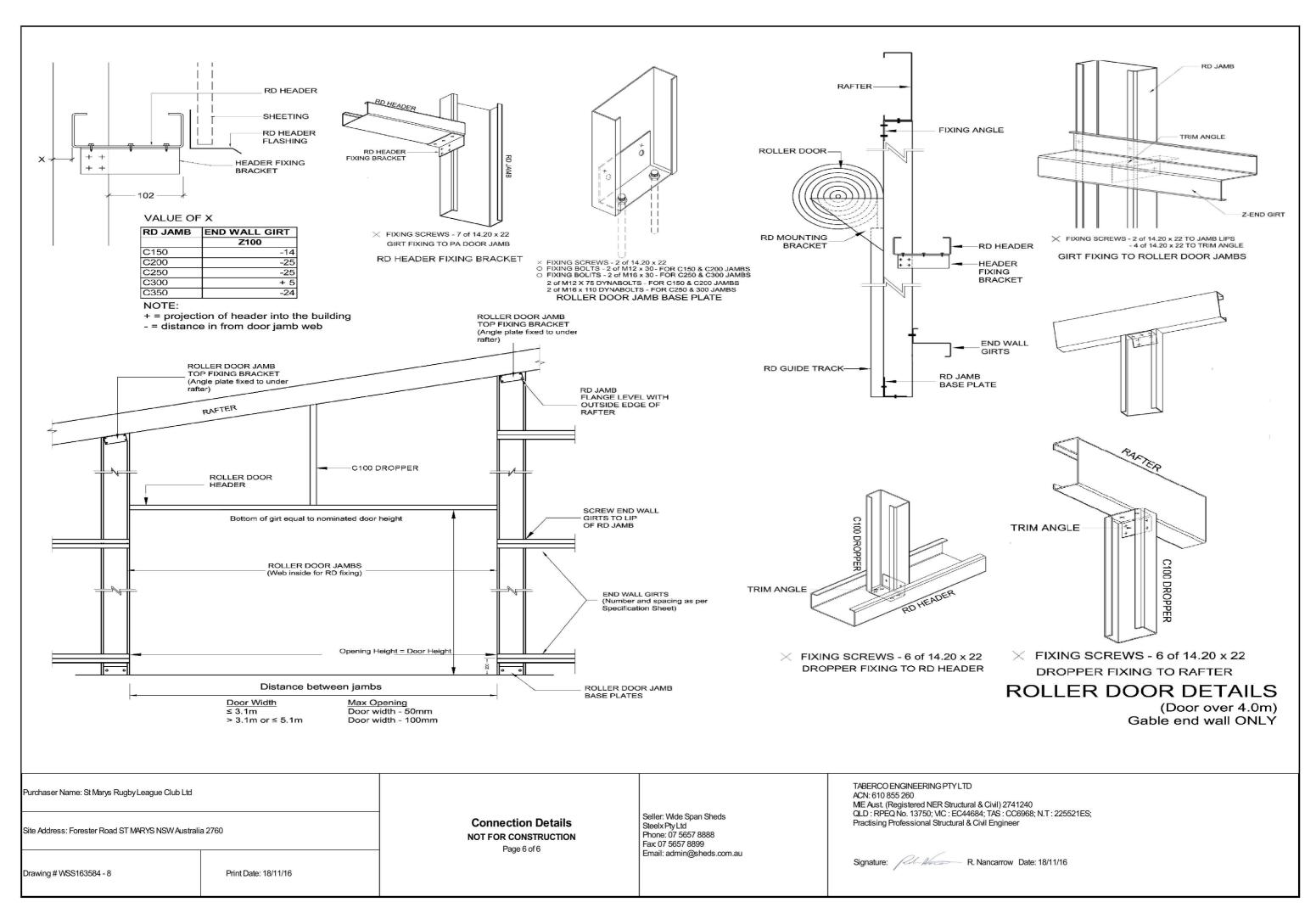


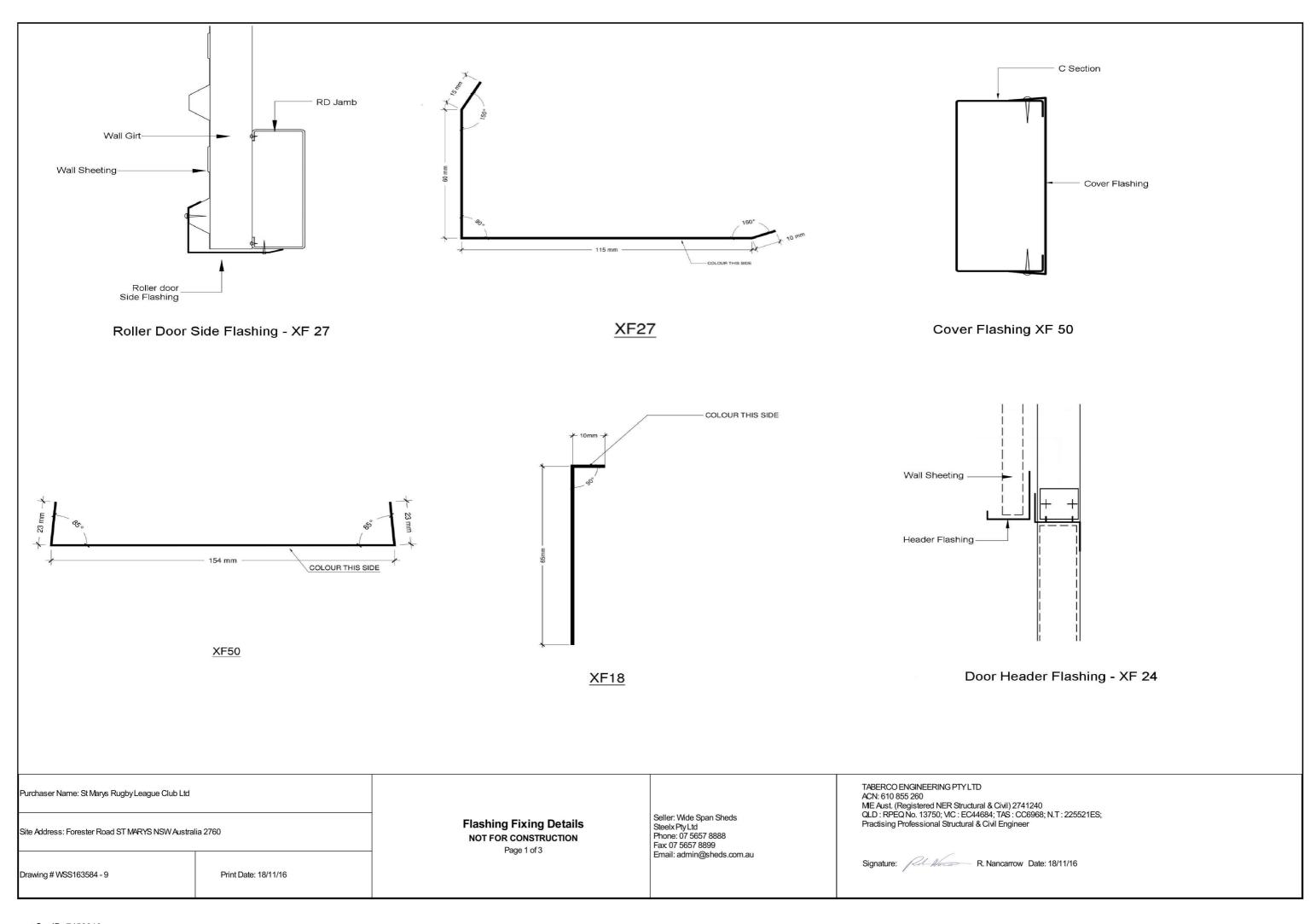


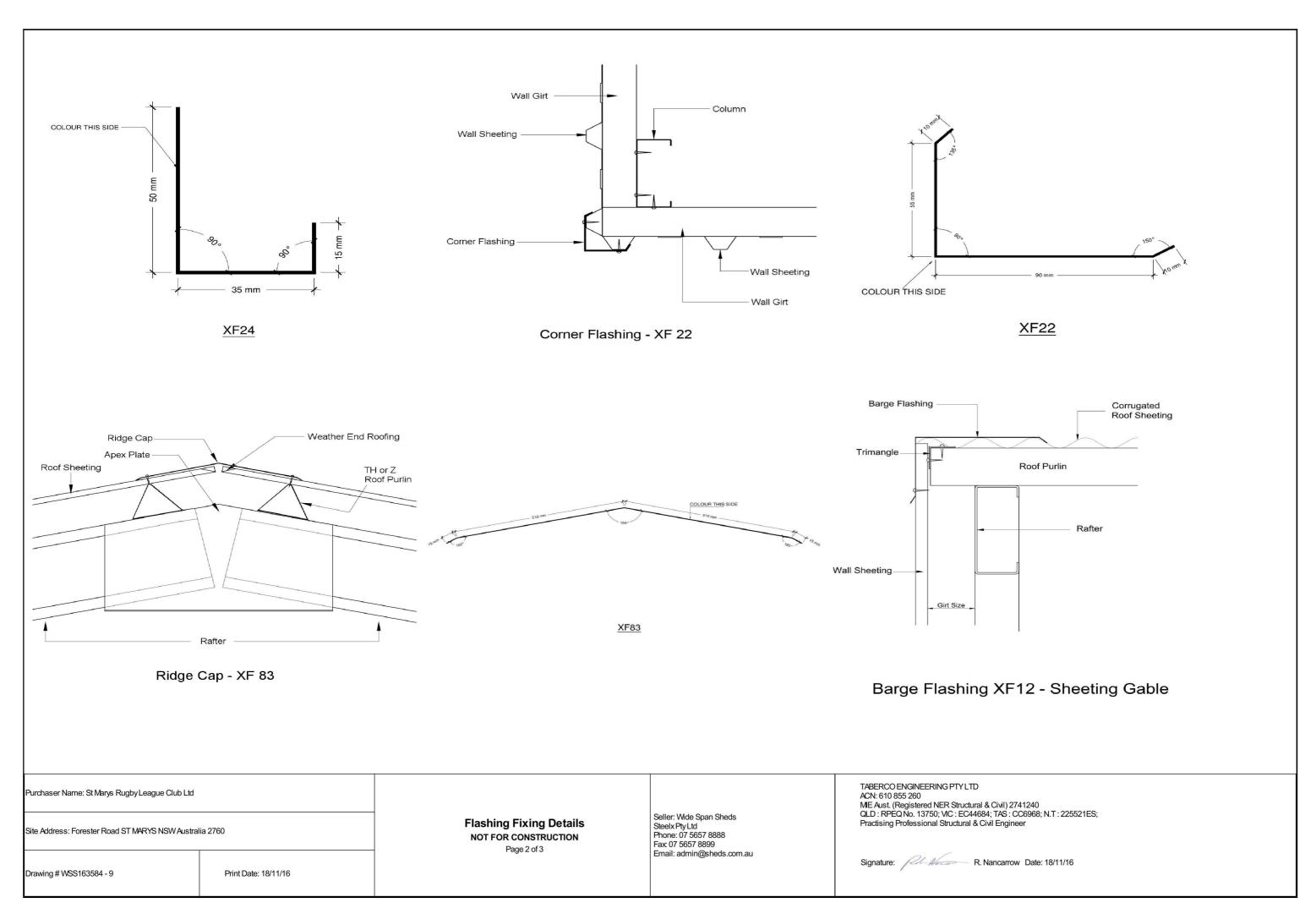


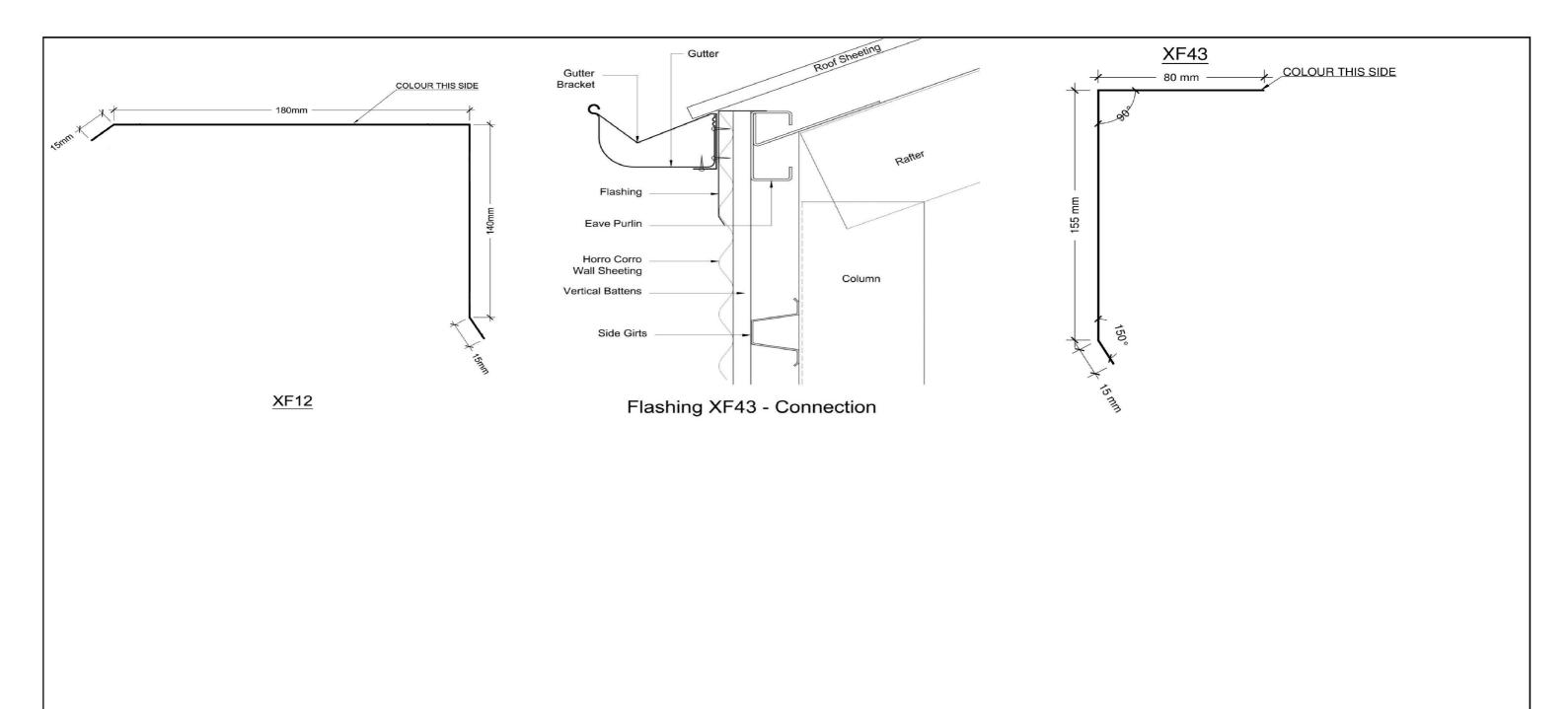
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Flashing Fixing Details
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