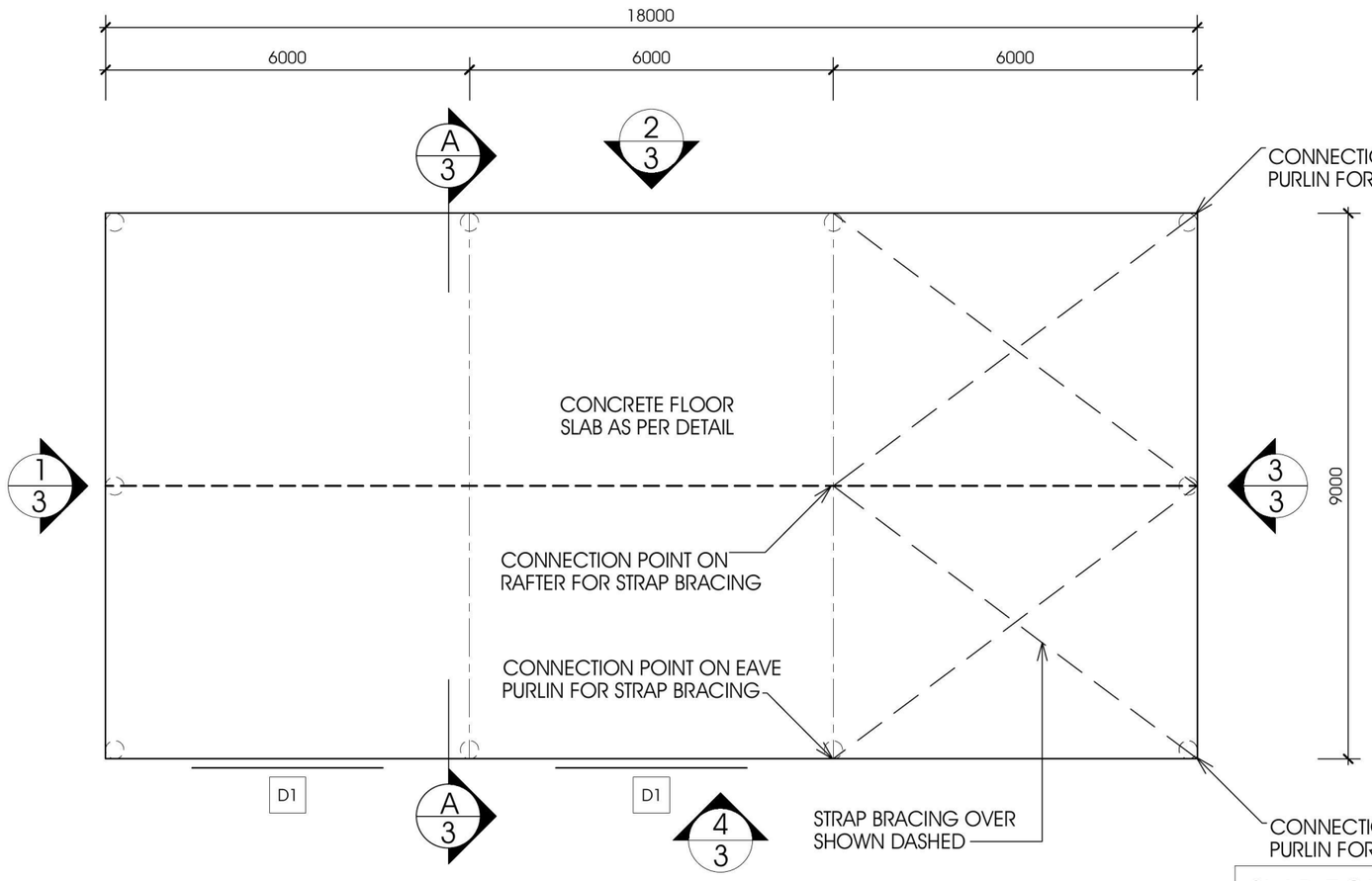

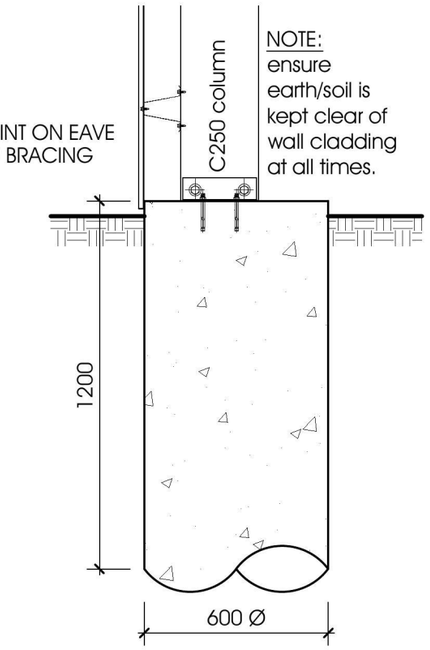

CONCRETE PIER DETAIL (no slab)
SCALE 1:20

9m X 18m X 3.6m SHED
CONCRETE SLAB LAYOUT PLAN
SCALE - 1:100

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SLAB FOUNDATIONS DOMESTIC / LIGHT INDUSTRIAL
(100mm minimum concrete slab included)

SOIL CLASSIFICATION (COMPACTED)	REINFORCING IN SLAB	EDGE BEAM	PIER	EDGE BEAM (slab thickness not included)	
	MESH REINFORCING	TRENCH MESH	Ø x DEPTH	DEPTH	WIDTH
A, S, & M	SL72	-	450 x 400	-	-
M - D	SL82	L11TM3	-	300	300
H TO H - D	SL82	L11TM3	-	400	300
E TO E - D	SL82	L11TM4	-	400	400
P (DROP EDGE BEAM OR STANDARD EDGE BEAM WITH PIERS UNDER COLUMNS 300 INTO FIRM GROUND)	SL82	L11TM4	450 Ø	400	400

CERTIFIED STEEL PORTAL FRAME SHED DESIGN FOR "REGION A" TERRAIN CATEGORY 2.0, 2.5 & 3.0 - IMPORTANCE LEVEL 2.

DOMESTIC & LIGHT INDUSTRIAL STEEL PORTAL FRAME SHED STRUCTURES

These structures are 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 over cold formed 450 to 550mPa galvanized steel C sections primary frames.

Primary framing is fastened together with 8.8 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.

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", "S" or "M" with nominal bearing capacity 100kPa (i.e. organic soil is to be removed to a minimum of 100mm 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.
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.

GENERAL SLAB DESIGN FOR DOMESTIC & LIGHT INDUSTRIAL USES

Thickness — 100mm with minimum 30mm cover. Refer to Slab Foundation table for reinforcing specification.

Strength — 25mPa

Thickened section under columns — Refer to Slab Foundation table for footing / pier specification .

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 and are only valid when blue ink signed and dated by the engineer.

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Registered Professional Engineer 341550
Mr Andrew Matiukevitch
MIEAust CPEng – Civil & Structural
NPER
Signature..... Date 2.7.2014.
Registered on the NPER in the area of practice of
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SCALE 1:100
DATE DRAWN 10.08.2012
JOB NO. BS 1020
PAGE 1
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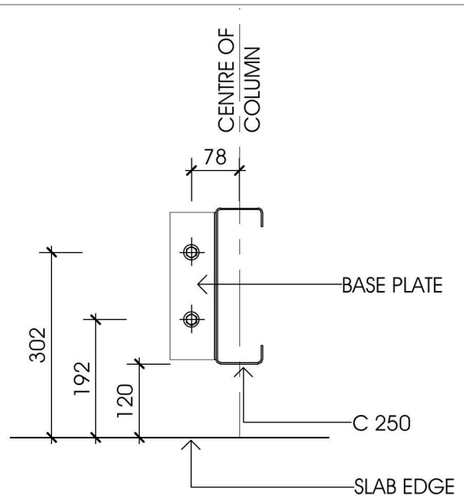
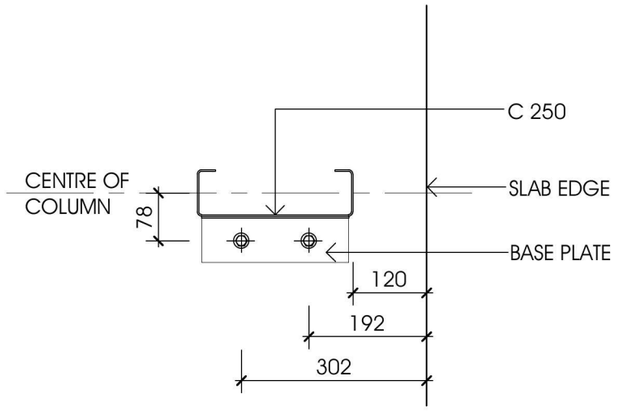


DETAIL 1



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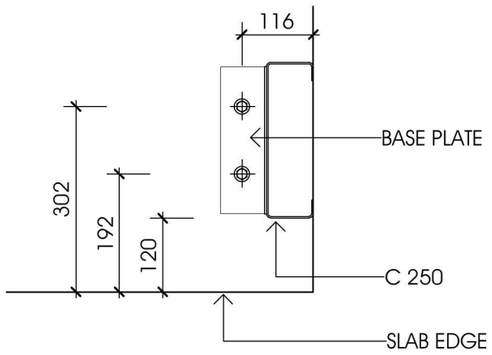

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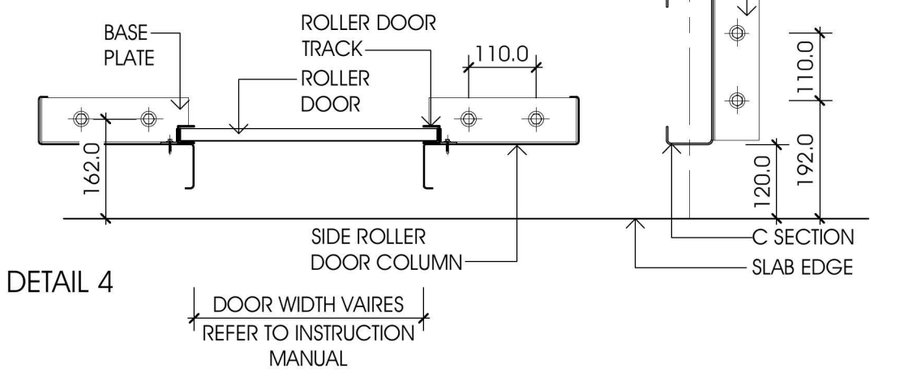
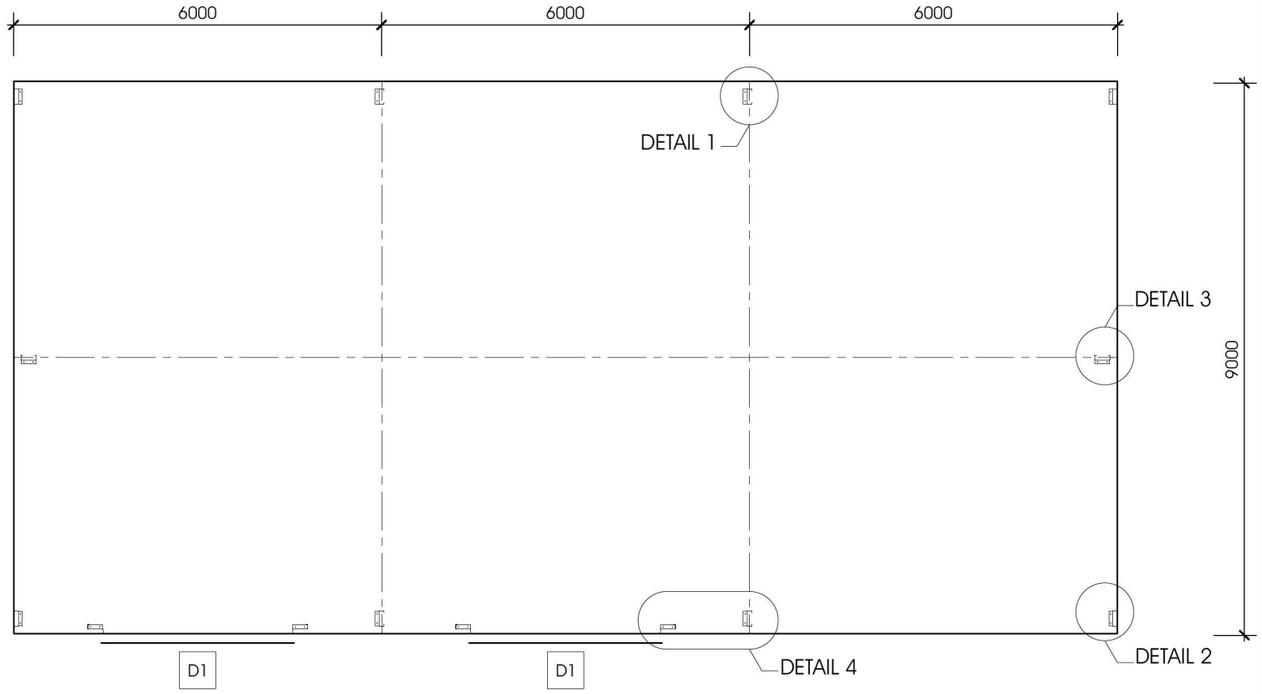


DETAIL 4

BOLT PLAN DETAILS

SCALE - 1:10



BOLT PLAN LAYOUT

SCALE - 1:100

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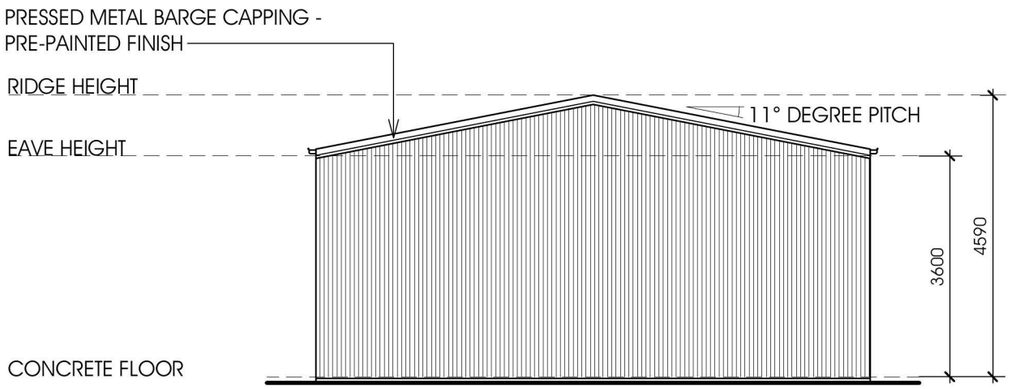

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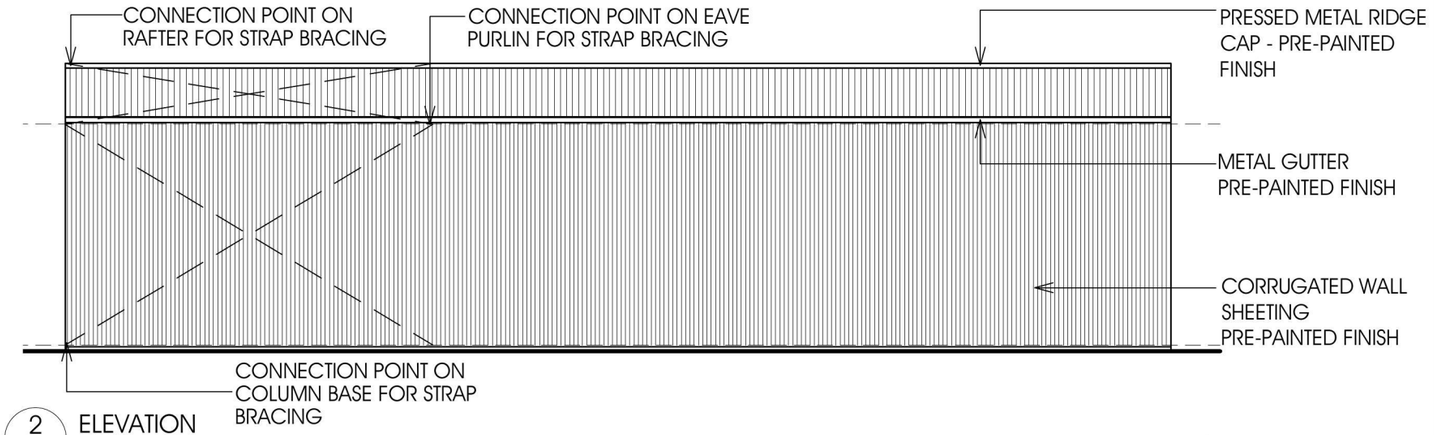

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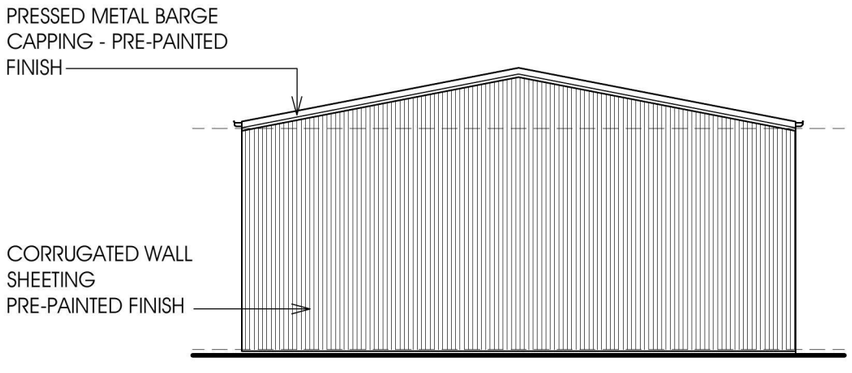

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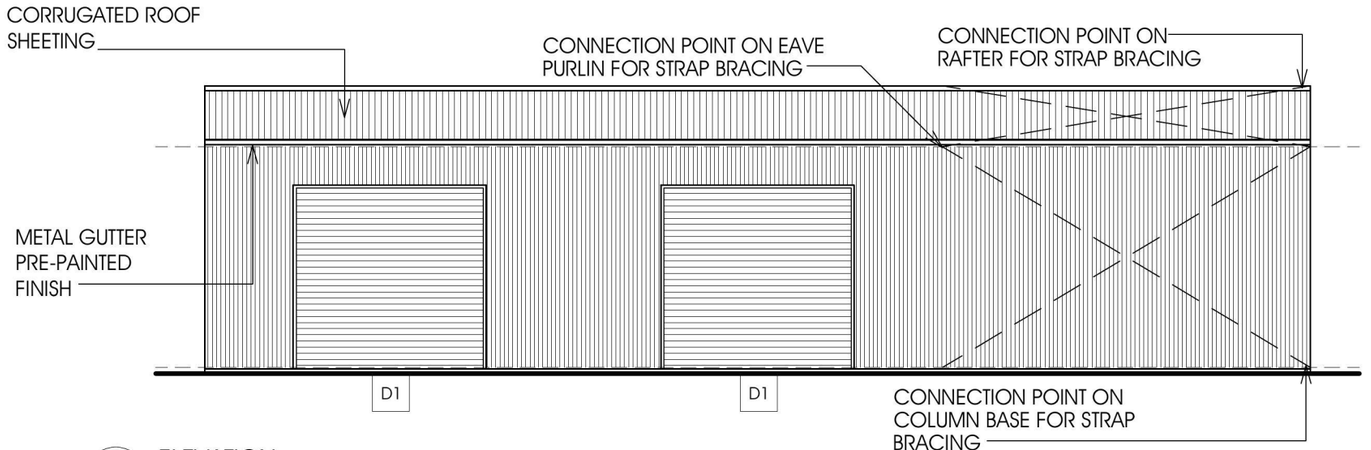

4 ELEVATION
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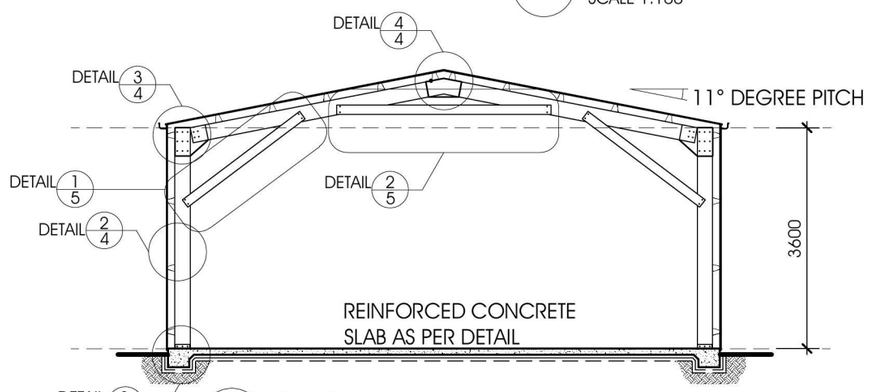

A SECTION A-A
SCALE 1:100

OPENING SCHEDULE

CODE	HEIGHT	WIDTH	TYPE
D1	3000	3150	ROLLER DOOR

ELEVATIONS & SECTION A-A

SCALE - 1:100

ROLLER DOOR SIZE SHOWN IN ELEVATION REPRESENTS ROLLER DOOR SUPPLIED. ACTUAL DOOR OPENING SIZE WILL VARY.

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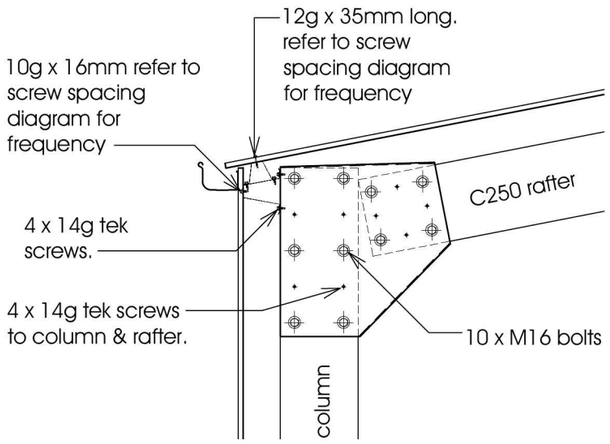
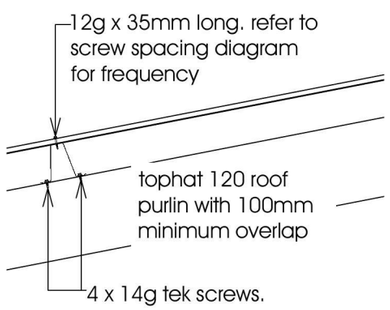


3 — COLUMN AND EAVE DETAIL
SCALE 1:20



4 — ROOF PURLIN DETAIL
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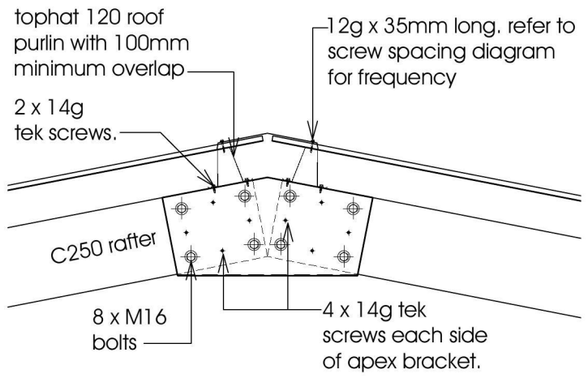

5 — APEX DETAIL
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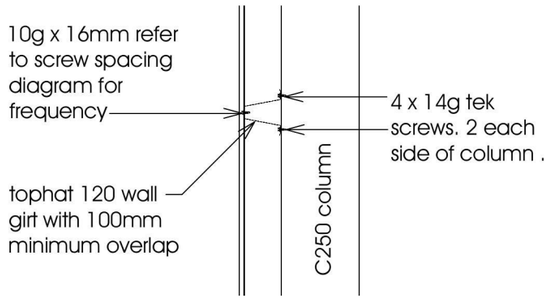
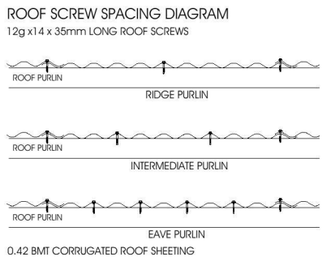


2 — WALL GIRT DETAIL
SCALE 1:20



— ROOF SCREW DIAGRAM
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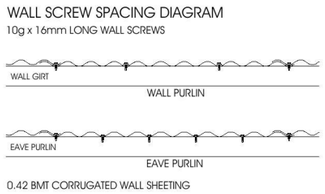

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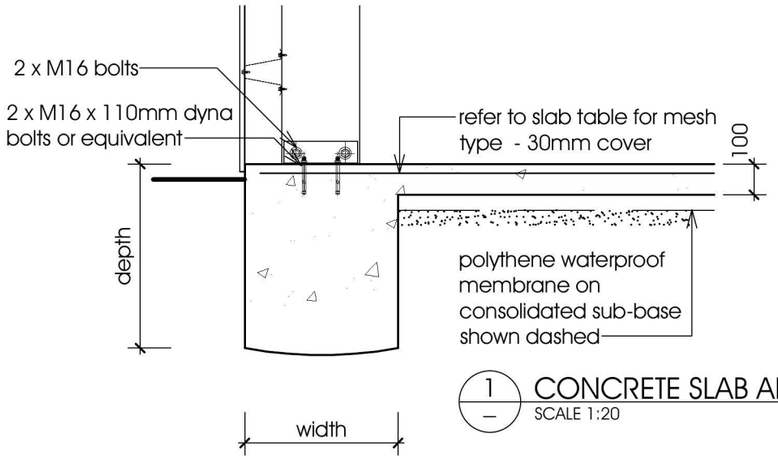

1 — CONCRETE SLAB AND FOOTING DETAIL
SCALE 1:20

MEMBER SCHEDULE

1	RAFTER	C25024
2	COLUMN	C25024
3	ENDWALL MULLION	C25024
4	SLEEVE ANCHOR BOLTS	DYNA BOLT OR SIMILAR M16 X 110mm
5	EAVE PURLIN	Tophat 120 x 1.0 + 64 x 0.75
6	ROOF PURLIN	Tophat 120 x 1.0
7	PURLIN SPACING (ROOF)	Space equally to max 1.0m centres
8	PURLIN OVERLAP (ROOF)	Minimum 100mm overlap
9	WALL GIRT	Tophat 120 x 1.0
10	WALL GIRT SPACING	Space equally to max 1.2m centres
11	WALL GIRT OVERLAP	Minimum 100mm overlap
12	END WALL GIRT SIZE	Tophat 120 x 1.0
13	END WALL GIRT SPACING	Space equally to max 1.4m centres
14	END WALL GIRT LENGTH	Minimum 100mm overlap
15	FRAME SCREWS	14-13X22 HEX C/S (SP HD 5/16" HEX DRIVE)
16	FRAME BOLTS	PURLIN ASSEMBLY M16 X 40 Z/P
17	CROSS BRACING STRAP AND FASTENERS	1 BAY (ROOF AND WALLS / 32mm x 1.2mm THICK)
18	WALL COLOUR	PRE-PAINTED - AS SELECTED
19	ROOF COLOUR	PRE-PAINTED - AS SELECTED
20	ROLLER DOOR COLOUR	PRE-PAINTED - AS SELECTED
21	PA DOOR COLOUR	PRE-PAINTED - AS SELECTED
22	DOWNPIPE COLOUR	PRE-PAINTED - AS SELECTED
23	GUTTER COLOUR	PRE-PAINTED - AS SELECTED
24	CORNER FLASHING COLOUR	PRE-PAINTED - AS SELECTED
25	BARGE FLASHING COLOUR	PRE-PAINTED - AS SELECTED
26	OPENING FLASHING COLOUR	PRE-PAINTED - AS SELECTED
27	OPEN BAY HEADER HEIGHT	N/A
28	KNEE BRACE LENGTH	2.4m C15019 FIXED IN PORTALS EXCEPT END WALLS
29	APEX BRACE LENGTH	3.4m C15019 FIXED IN PORTALS EXCEPT END WALLS

CONNECTION DETAILS

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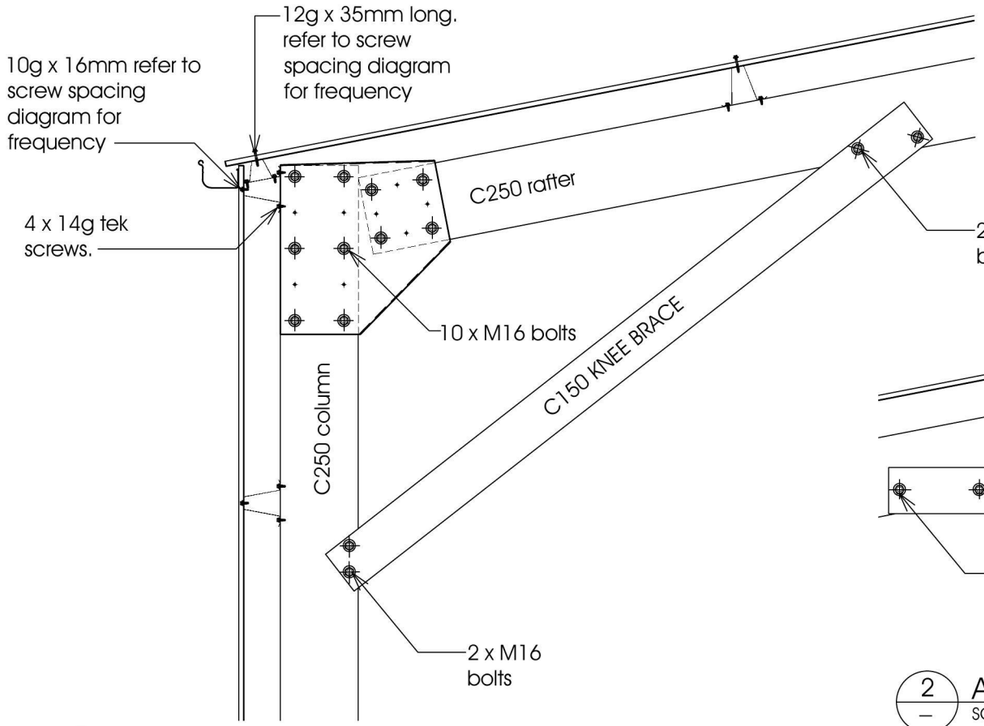
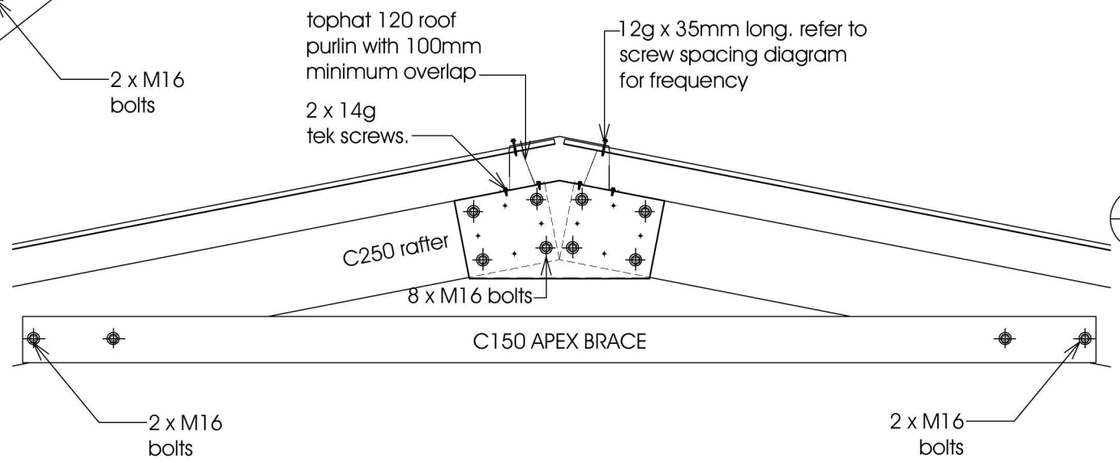


1 — KNEE BRACE FIXING DETAIL
SCALE 1:20



2 — APEX BRACE FIXING DETAIL
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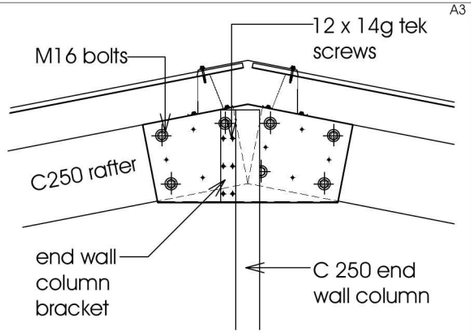
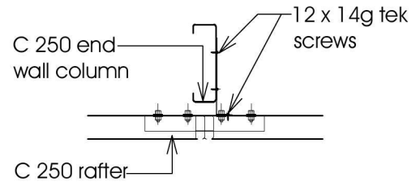


9 — END WALL COLUMN ELEVATION
SCALE 1:20



10 — END WALL COLUMN PLAN
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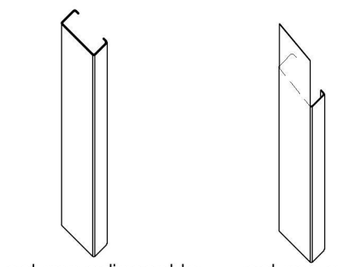

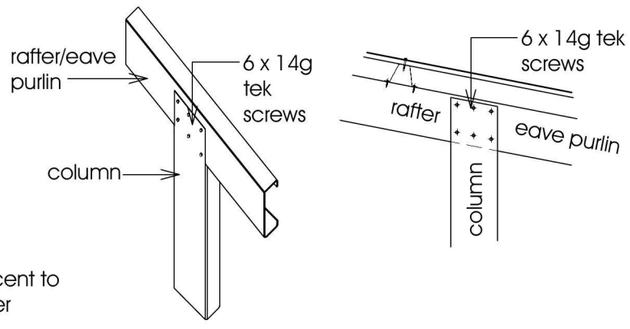

ROLLER DOOR COLUMN FIXING DETAIL
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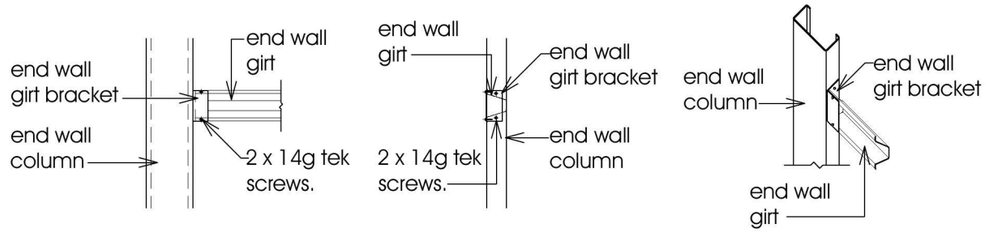
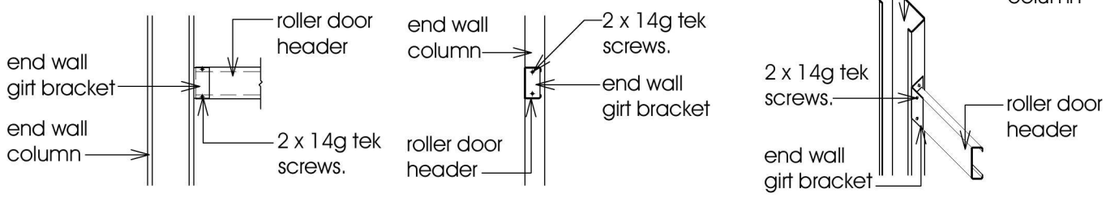


END WALL GIRT BRACKET
SCALE 1:20



ROLLERDOOR HEADER DETAILS
SCALE 1:20

CONNECTION DETAILS

SCALE - 1:20

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