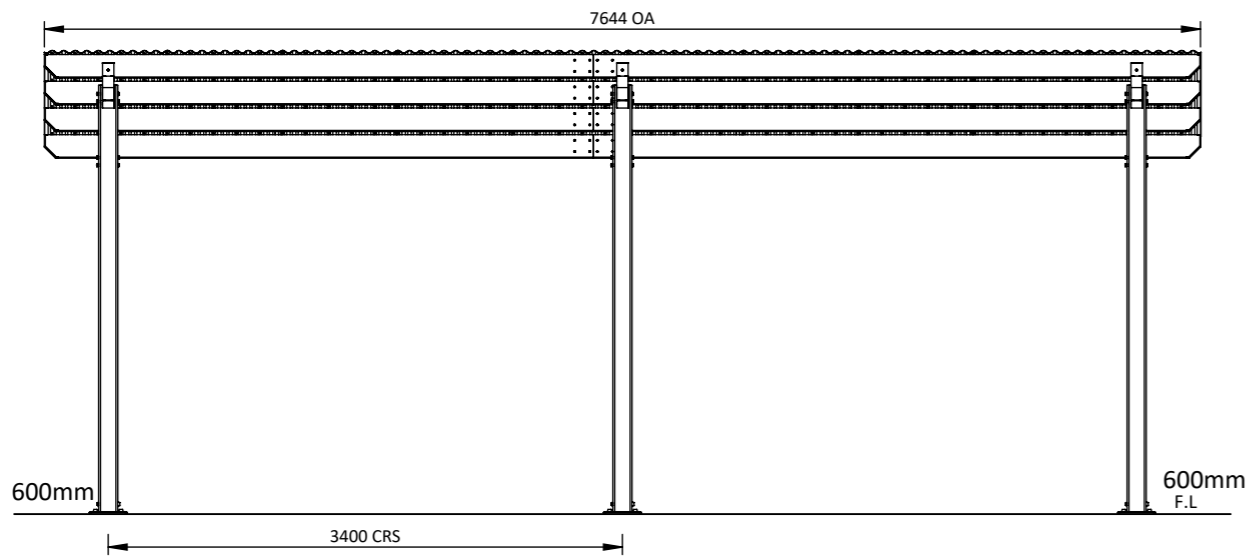
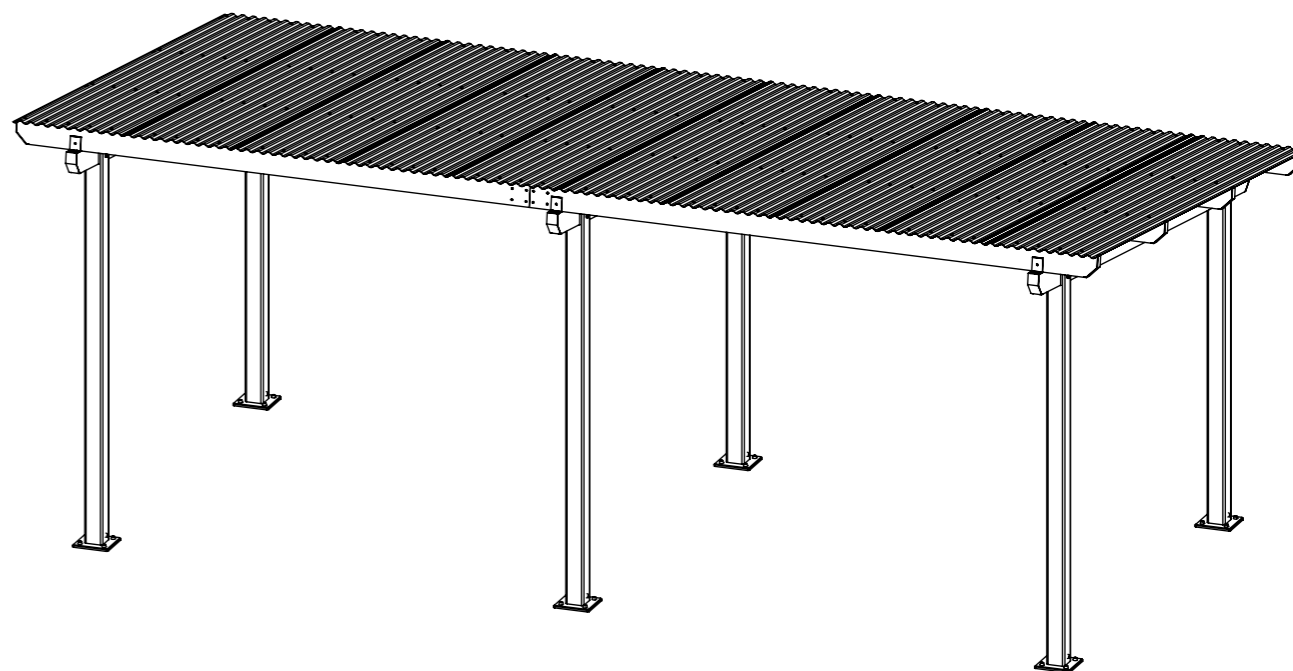


ROOF LINE

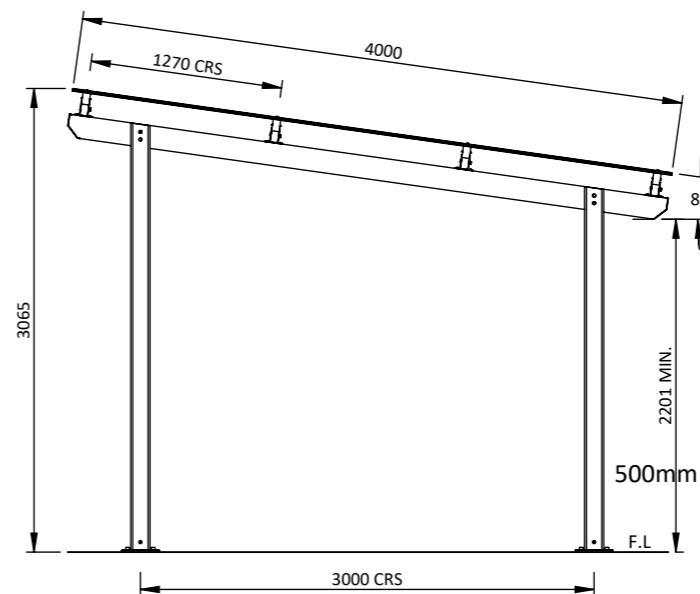
TOP VIEW 1:50



FRONT VIEW 1:50



DIMETRIC VIEW 1:50



SIDE VIEW 1:50

REV	DATE	AMENDMENT	BY	CHK
A	26/02/21	ROOF SCREWS & SHEET QTY. PURLINS	HP	NC



DRAFTING STANDARD
AS 1100

DRAWN
HP

CHECKED
MS

DRAWING STATUS
FOR APPROVAL & REVIEW

PROJECT
Capricorn - 8x4A

CLIENT
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TITLE
Orthographics

ISSUE
B

DATE
08/08/2022

SCALE
1:50

DRAWING NUMBER
C-8x4-3000-1

SHEET 1 OF 7

A3

GENERAL MATERIALS:

- Posts, framing and roofing components in extruded aluminium.
- Roof sheeting in corrugated profile coated steel.
- Optionals:
 1. Aluminium roll gutter.
 2. Prefinished steel gutter.
 3. Downpipe.

FINISHES

- Posts, framing and brackets in Class AA20 Anodising finishes.
Note: Colour may vary between alloys.
- Spigots in Polyester Powder Coating finishes.
Note: 60 Micron minimum on visible faces.
- Roof sheets coated from manufacturer.

HARDWARE

- Stainless steel anti-vandal fixings.
- Roof screws colour matched roof sheets.

ENGINEERING

Standard wind classification - N2.
Selected Products are available to suit N5 and cyclone regions.
Not all products are available to suit cyclone regions. See Structural Notes for details.

ALUMINIUM SHADE SCREEN PANELS

Details available at www.gossi.com.au. Wind class equivalent to selected shelter.

Reaction & Footing Table				
Footing Depth (mm)	Footing Size (mm)	Max Moment (kNm)	Footing Size (mm)	Max (kNm)
600	700x700	2.32	1000x1000	6.8
	800x800	3.46	1100x1100	9.0
	900x900	4.92	1200x1200	11.7
Reactions				
	N2 Class	N3/C1 Class	N4/C2 Class	N5/C3 Class
Corner Post				
Shear (kN)	1.40	2.19	3.25	NA
Uplift (kN)	2.17	3.17	5.80	NA
Moment (kN.m)	2.61	4.08	6.07	NA
Intermediate Post				
Shear (kN)	1.85	2.88	4.29	NA
Uplift (kN)	3.78	6.23	9.55	NA
Moment (kN.m)	3.69	5.77	8.59	NA

Note: Max footing moment must be more than Windclass Moment.
Corner & intermediate posts may require different footing sizes.

STRUCTURAL NOTES

General

G1. The builder shall be responsible for maintaining stability of the structure until completion of construction and shall ensure that no part of the structure is overstressed.
G2. All material and workmanship shall be in accordance with the current editions of the following codes of practice and manuals, except where varied by the specifications and/or drawings:

- AS1170 Loading Codes
- AS2870 Residential Slabs & Footings
- AS/NZA2208 Glass
- AS1664 Aluminium Structures
- AS3600 Concrete Structures
- AS1288 PVC Glazing
- AS1665 Welding of Aluminium Structures - Category B - Weld Filler 5356

G3. Do not scale these drawings for dimensions. Confirm all dimensions on the architectural drawings.

Design Criteria

- DC1. Wind Loads N2/N3/N4/N5 - C1/C2/C3
- DC2. Live loads floor external 5.0 kPa
- DC3. Area under roof must be 'empty under' to definitions of clause D3.1 of AS/NZS1170.2
i.e. Less than 50% blockage to wind in any direction.

Foundations

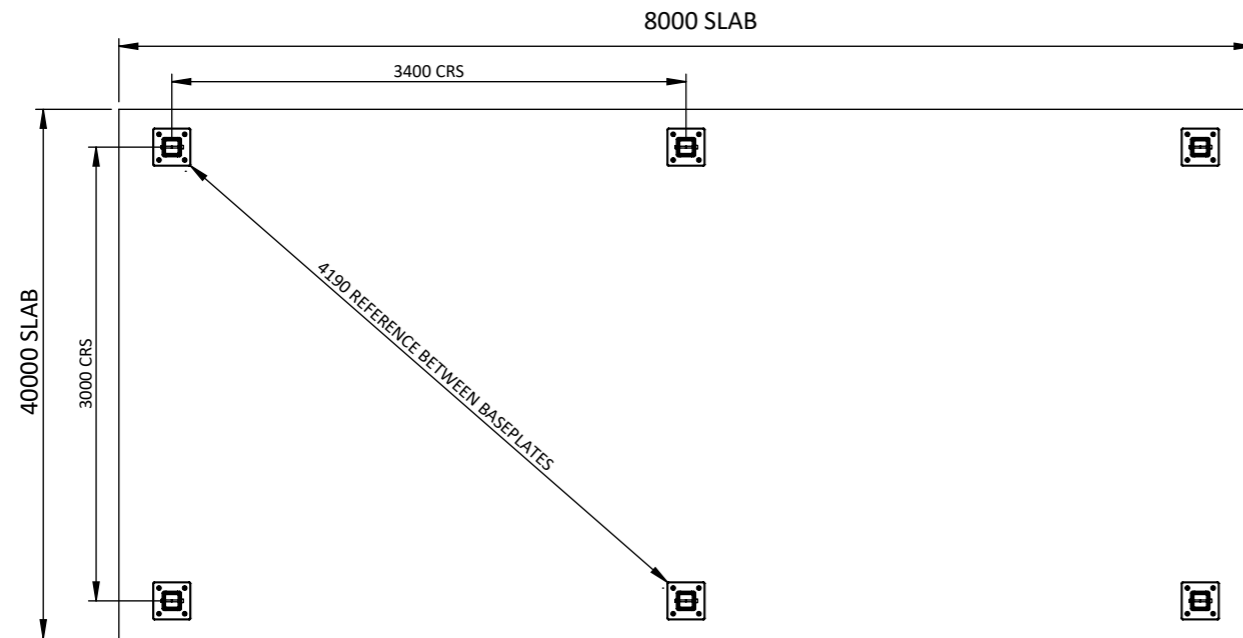
- F1. All footings are to be found in the natural undisturbed soil profile with a minimum safe allowable soil bearing pressure of 100 kPa, unless noted otherwise.
- F2. All Footings are to be 600mm in depth, unless noted otherwise
- F2. Soil test required to confirm bearing and site classification to AS2870.
- F3. Foundations are to be checked by a professional engineer.

Earthworks

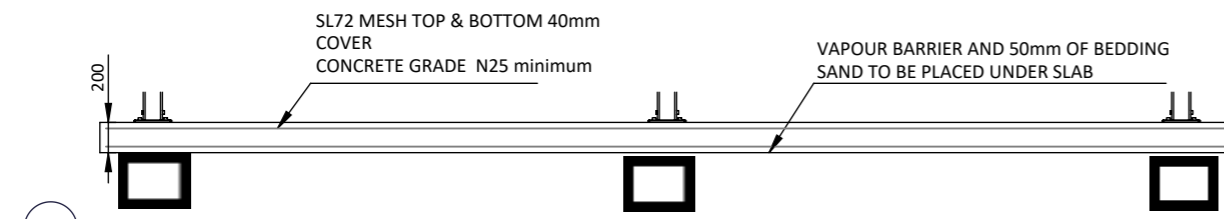
- E1. Strip all humus material from the area of building imprint and 1000 mm beyond.
- E2. Proof roll the areas to be concreted and paved. Remove any weak material.
- E3. Use non-humus cut material or imported approved non-reactive soil as fill.
- E4. If not compacting fills, cut and fill site as required. Use mass concrete slabs piers as shown on plan where fill depths exceed 250 mm.
- E5. Fill should be compacted in layers not exceeding 150 mm. Loose depth to 98% maximum dry density in accordance with AS1289 5.1.1 Standard Compaction. Carry out density tests at the rate of 2 per level of fill. Every test must pass.
- E6. Pavers shall be laid on a sand bed in accordance with manufacturer's instructions.

Concrete

- C1. Concrete slabs are to be checked and confirmed by client's engineer for suitability. Alternate solutions to be resolved by client's engineer. Refer shelter drawings for size specific loads.
- C2. Concrete Specifications:
- C3. Concrete strength to be minimum 25 MPa.
- C4. Minimum slabs thickness apply for fixing locations.



SLAB PLAN NTS



SLAB DETAIL NTS

BORED PIER FOOTINGS
300mm diameter x 4700mm deep (300 in natural ground) bored pier to each post
\$N12 vertical bars, W8 Ligatures at 300mm centers
Concrete grade N25 minimum

Certified for Structural Adequacy

Allan Hickey BE MIEAust
RPEQ #1126 #31894 RBP EC2153

REV	DATE	AMENDMENT	BY	CHK
A	26/02/21	ROOF SCREWS & SHEET QTY. PURLINS	HP	NC



DRAFTING STANDARD AS 1100	DRAWN HP	PROJECT Capricorn - 8x4
CHECKED MS	CLIENT Rose Bay Park - Gravelly beach, TAS	TITLE Notes
DRAWING STATUS FOR APPROVAL & REVIEW		ISSUE B
SHEET 4 OF 7		DATE 08/02/2021
SCALE 1:50		SCALE A3
DRAWING NUMBER C-8x4-3000-4		

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