



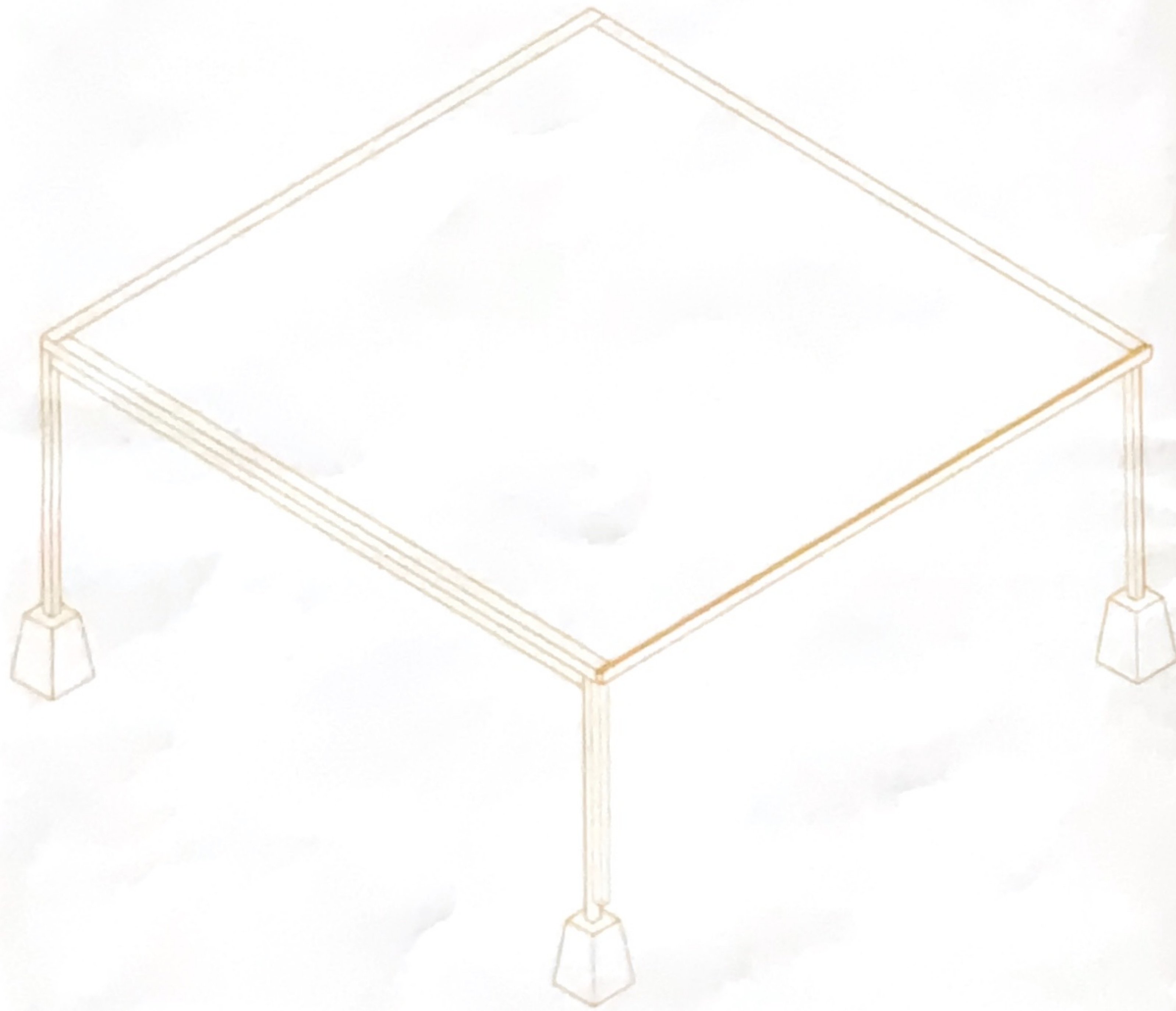
metromap

6150 mm

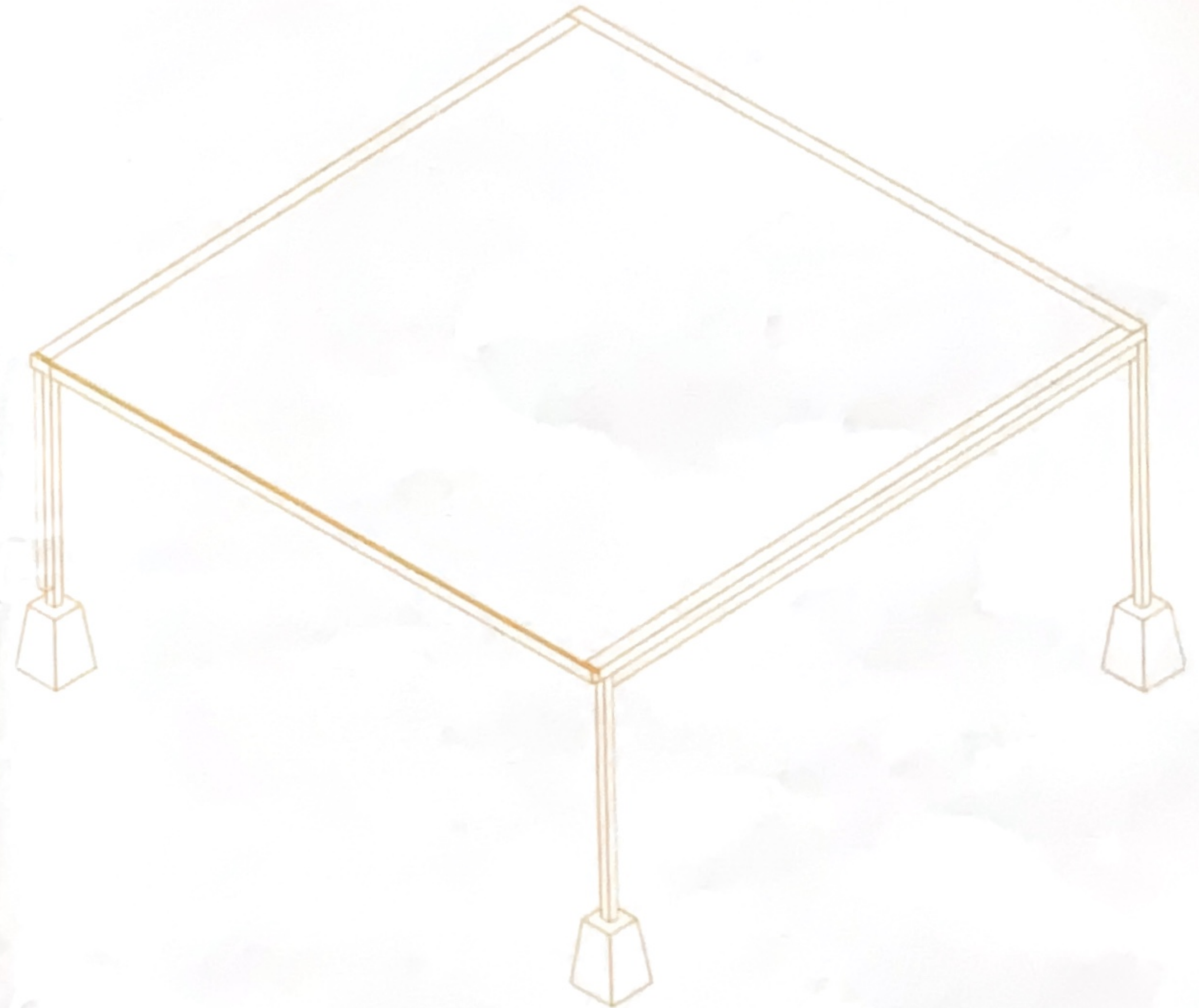
36000 mm

6000 mm

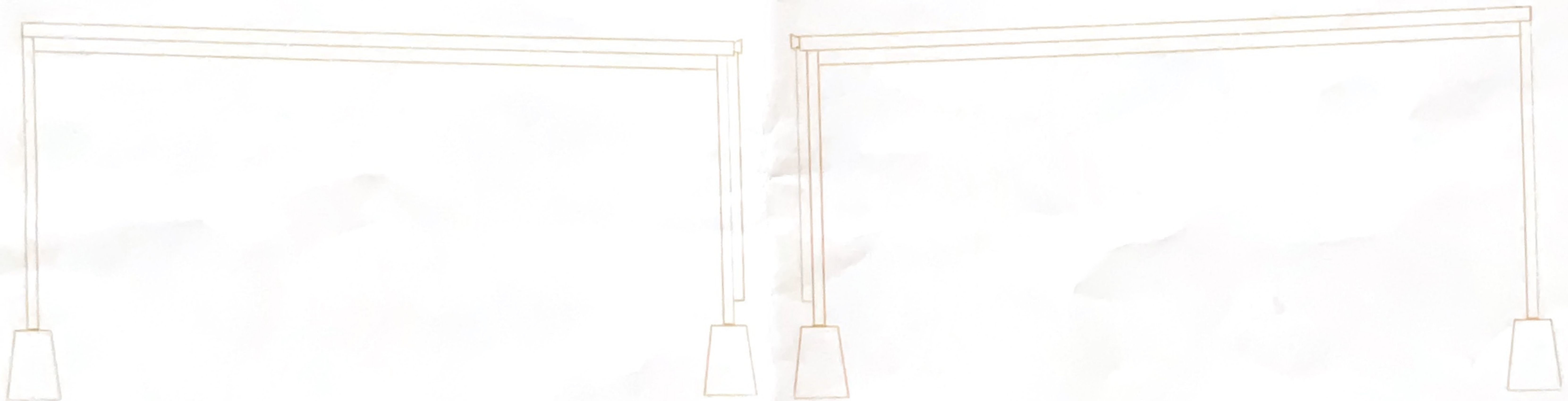
FENCE



Isometric 1

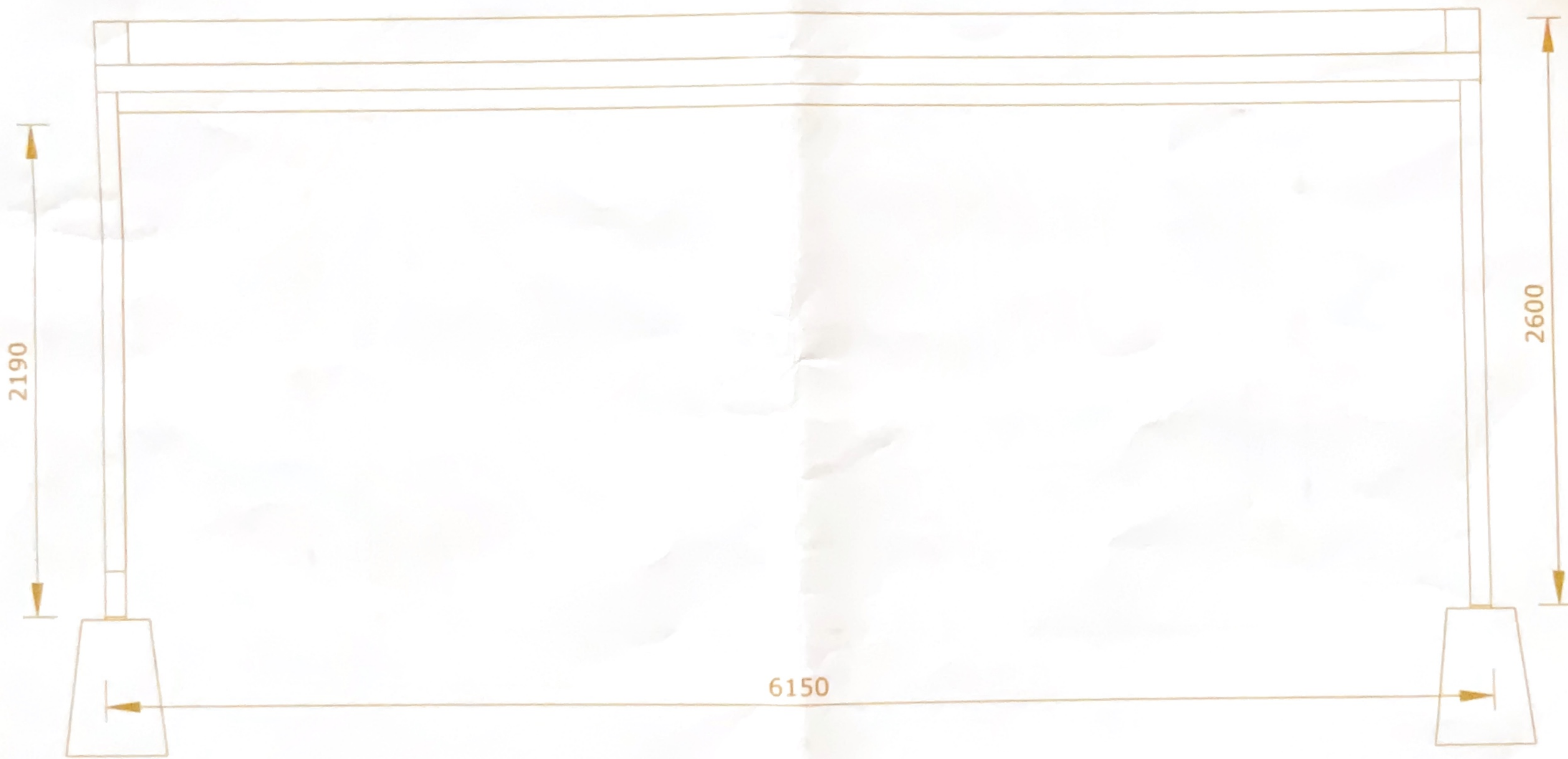


Isometric 2



Left Elevation

Right Elevation



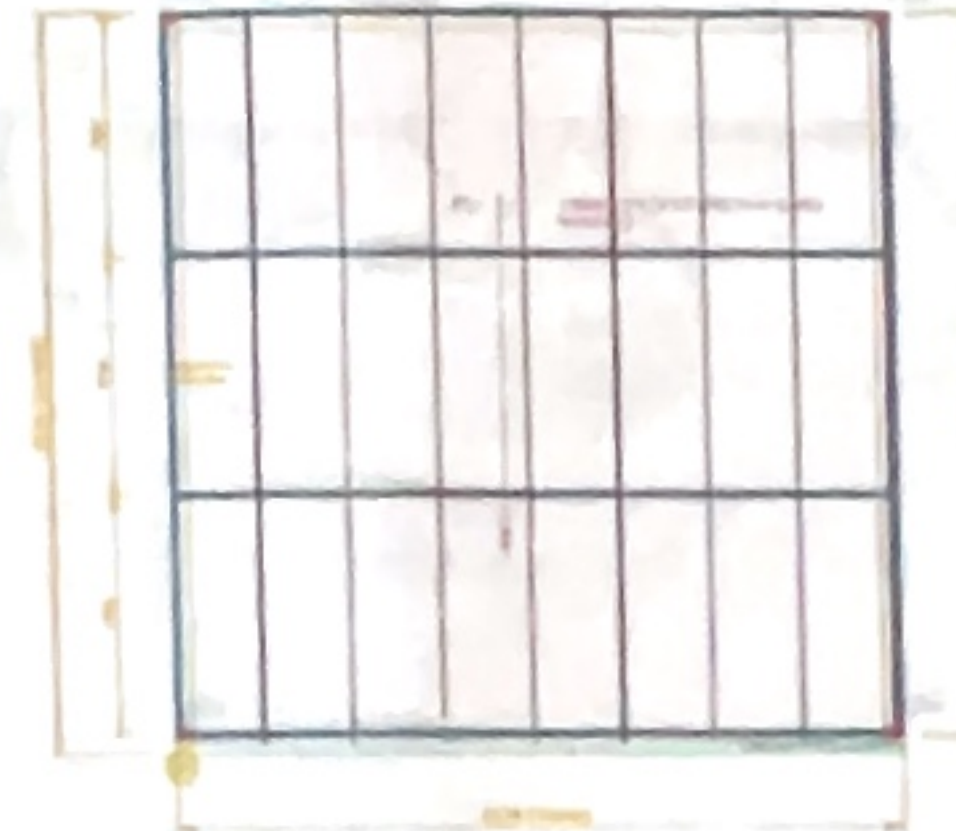
Area 1 - Flat Roof Front Elevation



Area 1 - Flat Roof Left Elevation

1. Flat Roof

Layout



Colours

Roofsheet: (Classic Cream/Classic Cream)
Beams: (Classic Cream)
Columns: (Classic Cream)
Gutter: (Classic Cream)
Downpipes: (White)

Frame Size

6150mm x 6000mm
Pitching Height: 2600mm

Roofing

TRIMDEK 0.42 DS (No Foot Traffic) @ 2° forwards

Beams & Posts

Fascia: 150mm x 50mm Firmlok
Purlin: 150mm x 50mm Firmlok
Rafter: 200mm x 50mm Firmlok
Posts: SHS 90mm x 2mm

Gutters & Downpipes

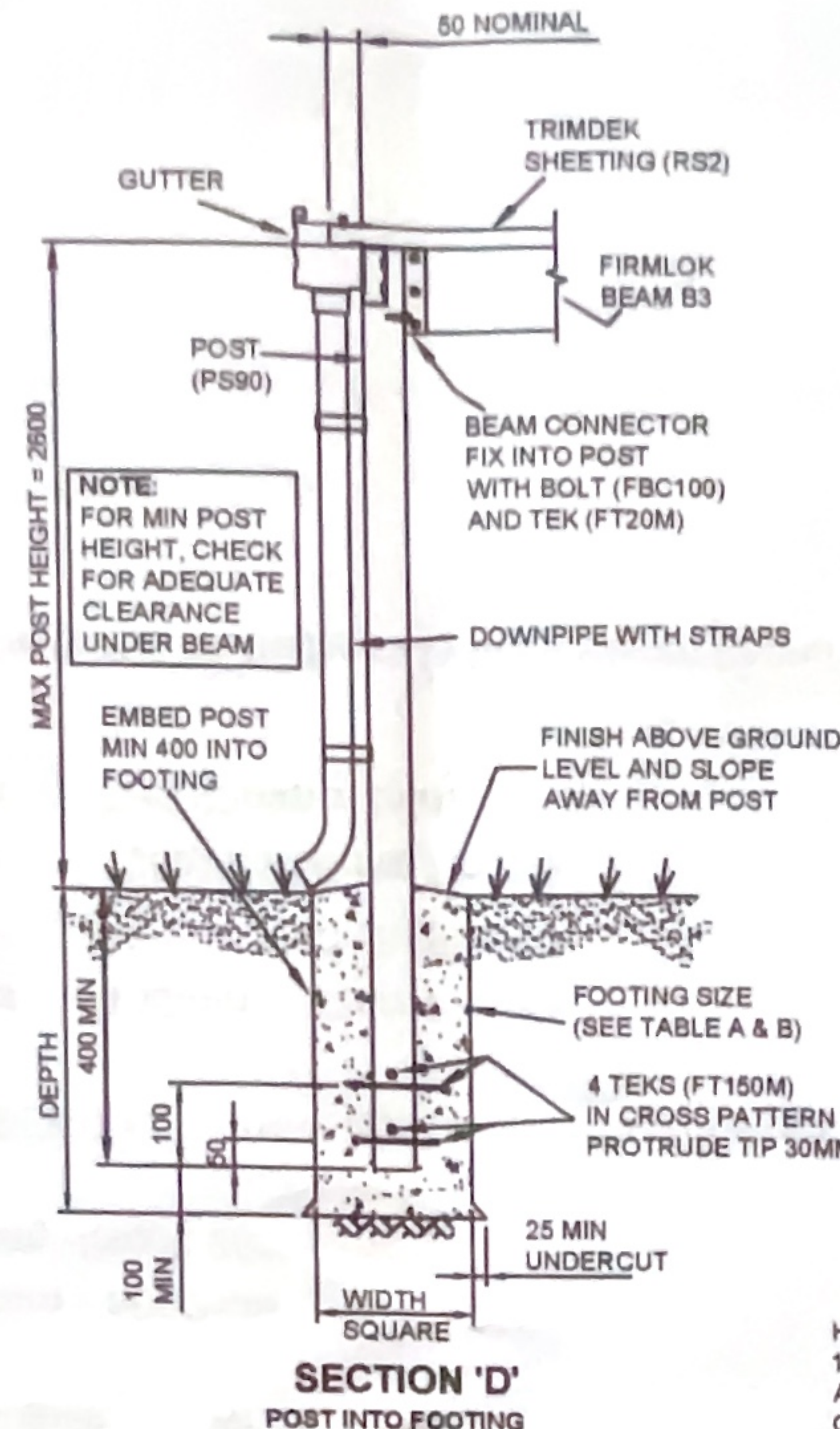
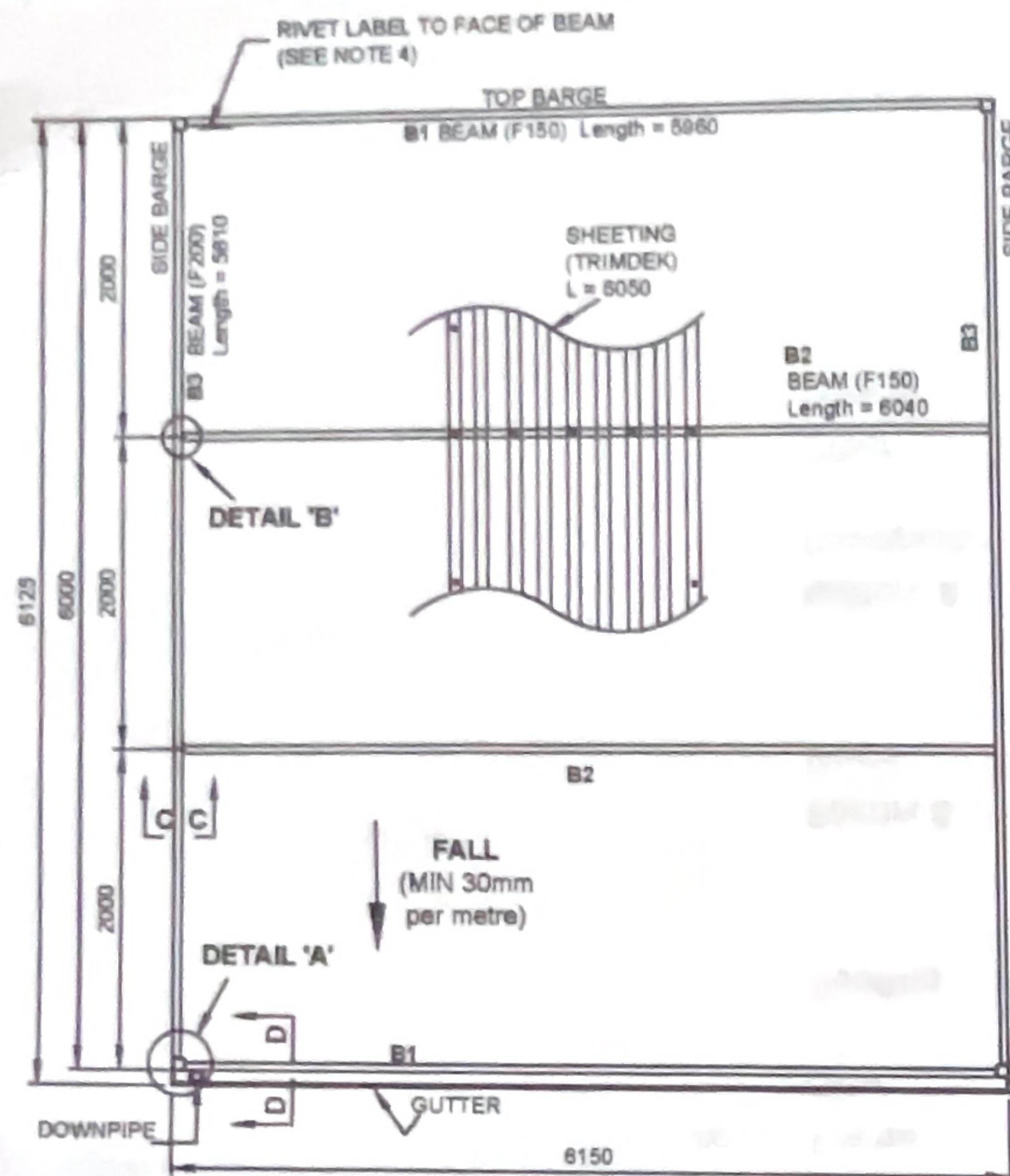
Colonial Gutter Slotted with Lysaght 90mm Round PVC Downpipe

Other Details

Notes

SITE DETAILS

Attachment Not Attached (freestanding)



GUTTER AND DOWNPIPE DETAILS

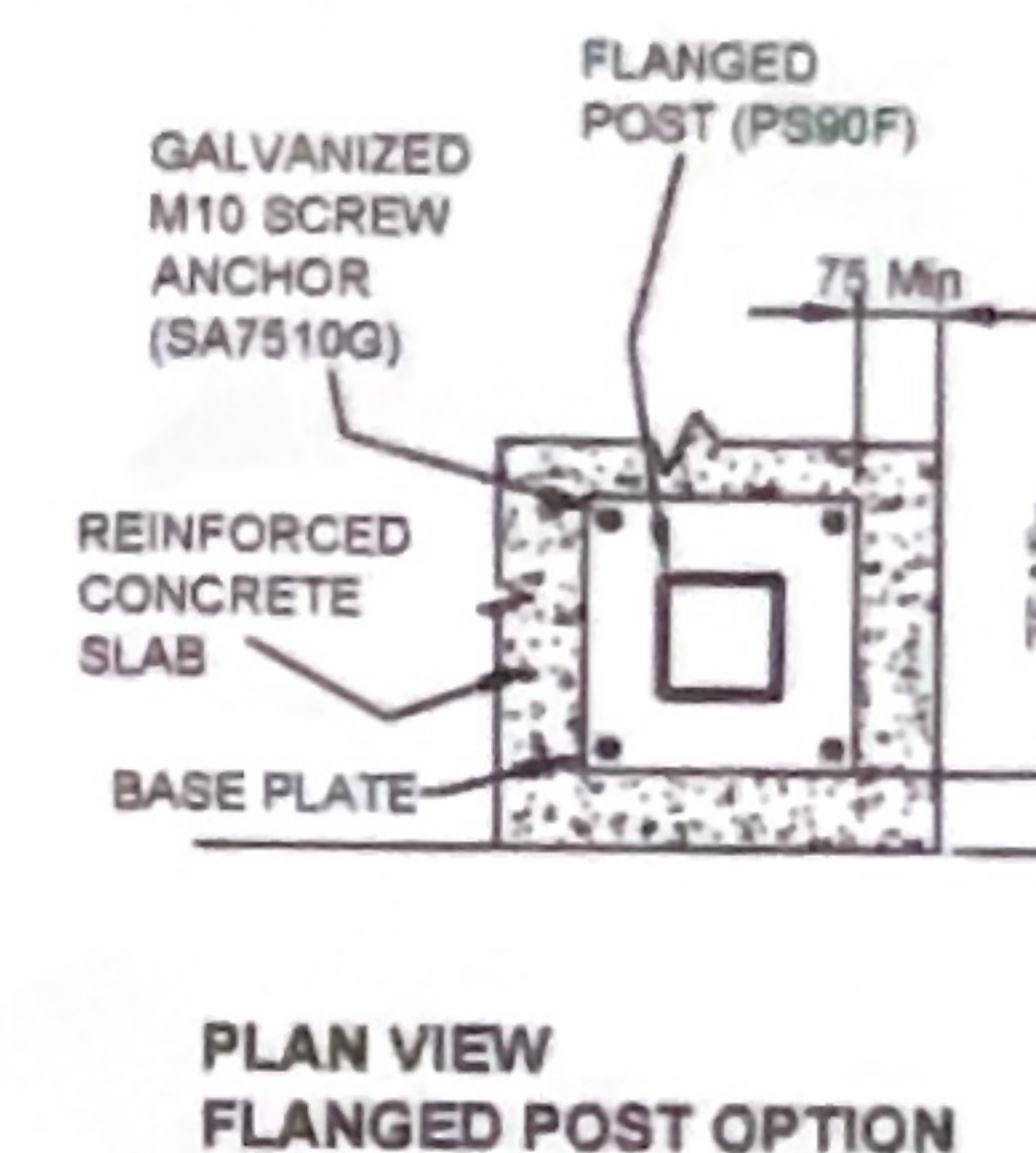
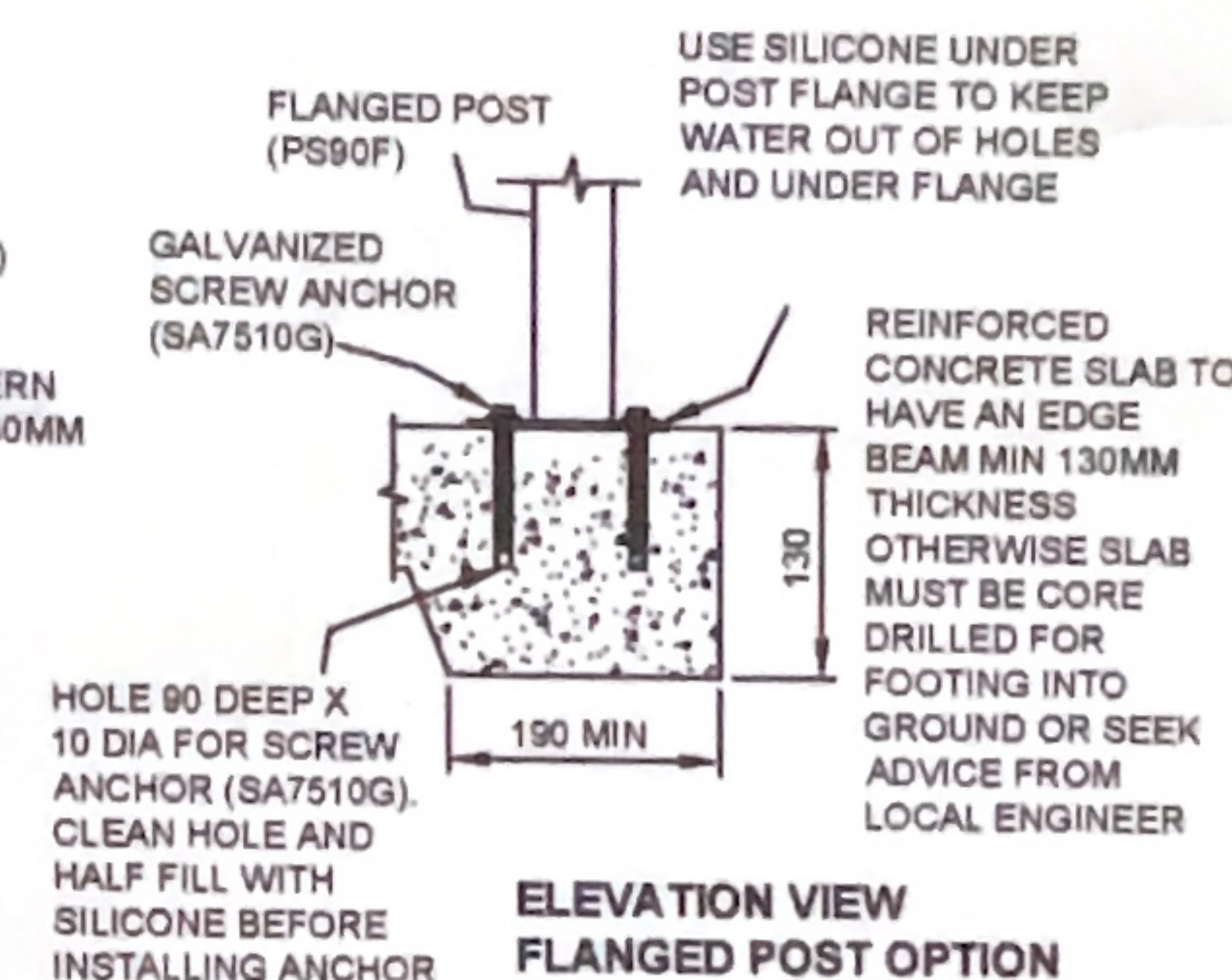
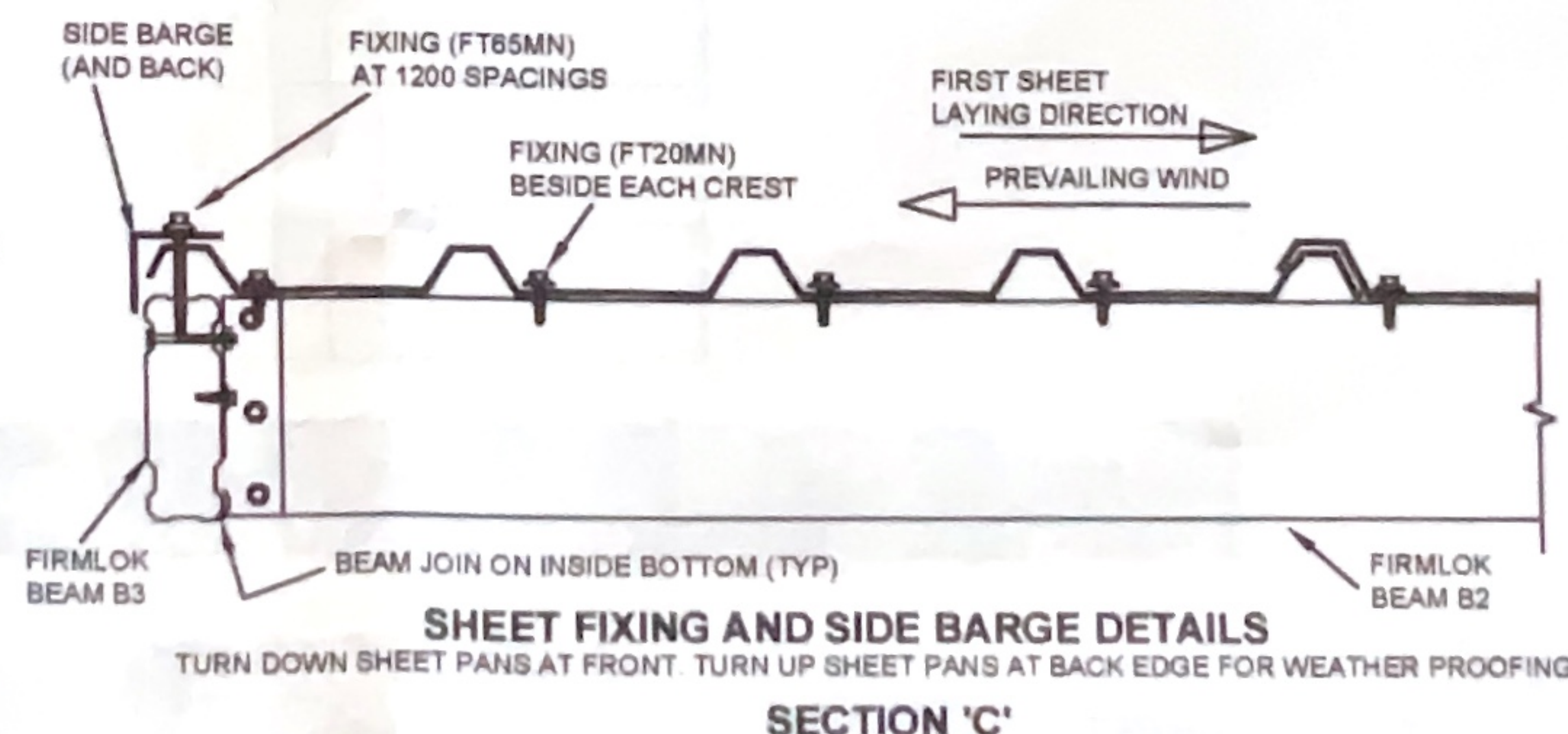
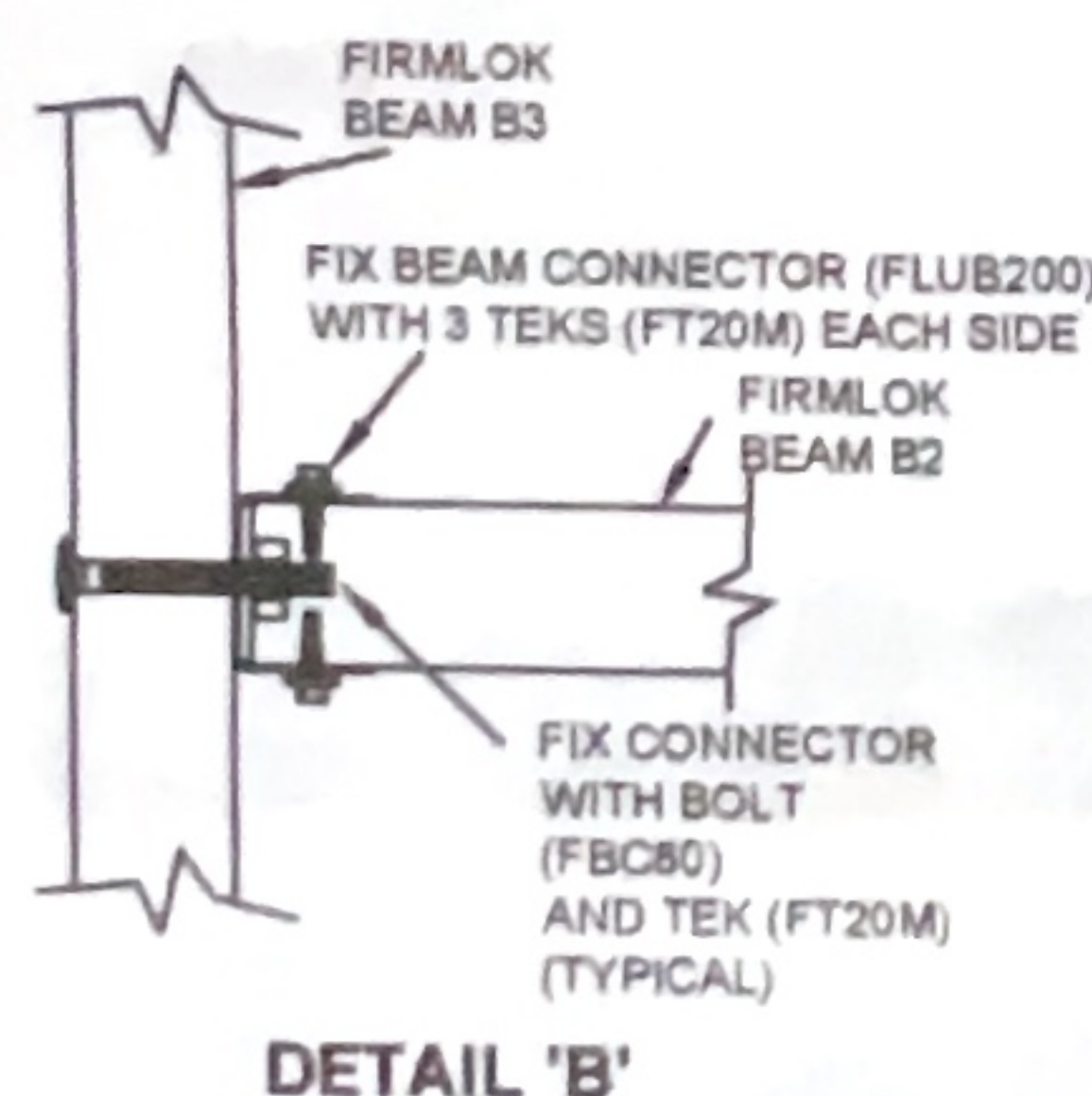
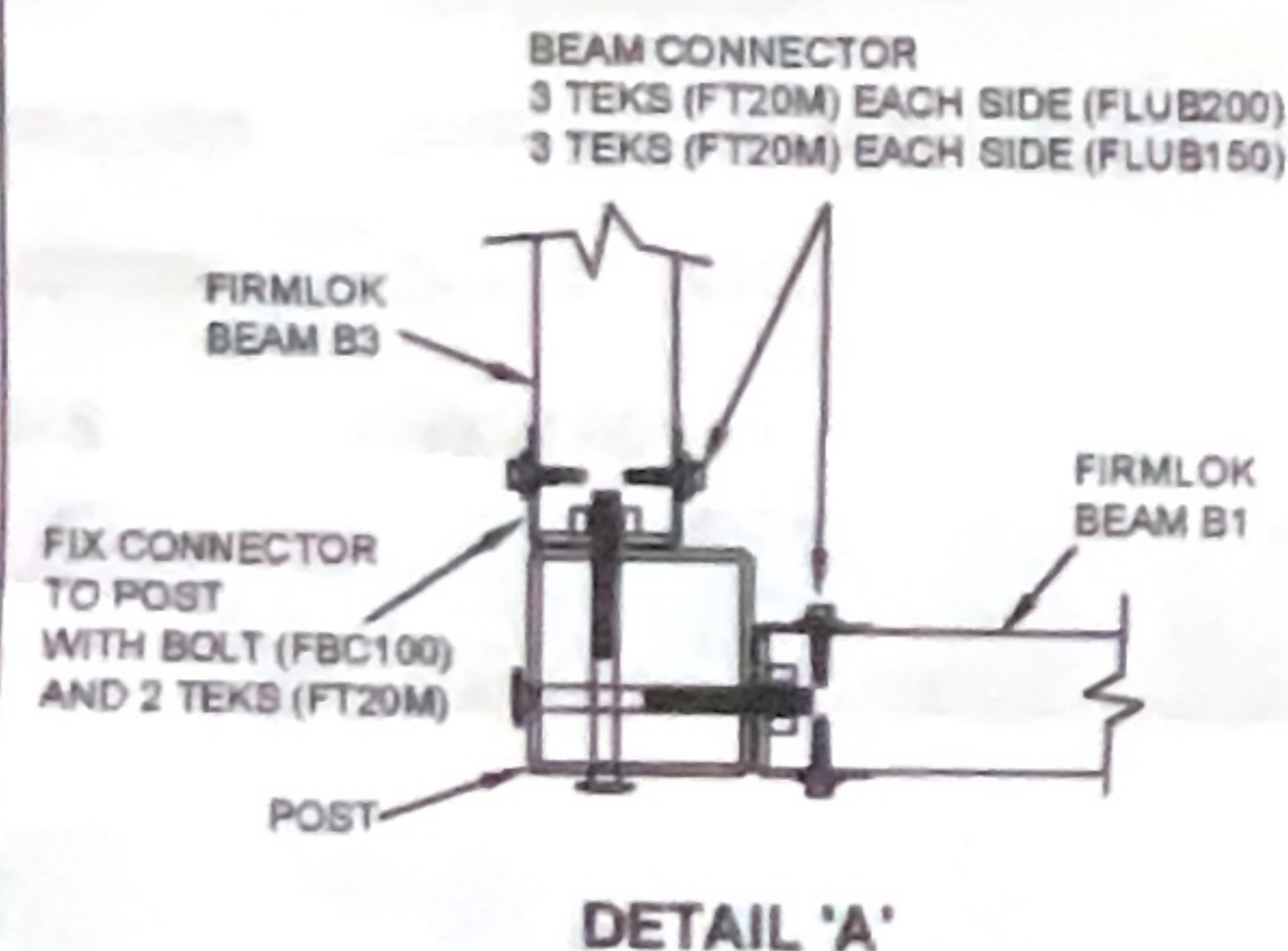


TABLE A

Allowed Wind Class and Footing Code			
N1-W28	N2-W33	N3-W41	Blocking
F1	F2	F4	0 sides blocked
F2	F3		1 side blocked
F4			2 sides blocked

TABLE B

Footing Size (for clay) - See Note 5			
Code	Width (mm)	Depth (mm)	Concrete (20kg Bags)
F1	300	500	4.8
F2	300	550	5.4
F3	350	700	7.9
F4	350	800	10.6



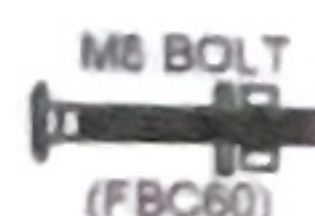
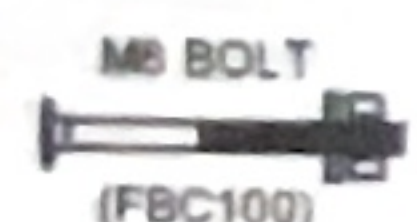
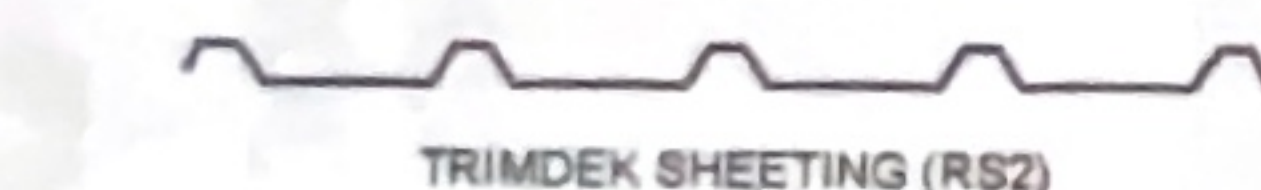
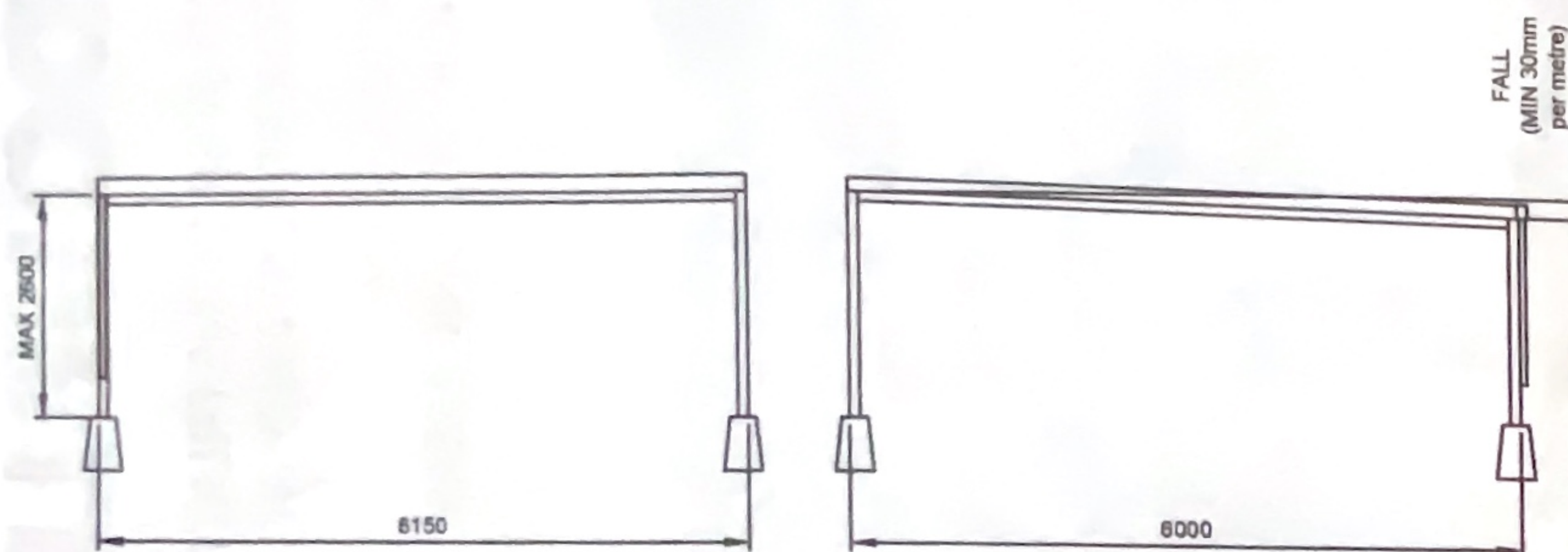
LYSAGHT

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**DIY KIT
DOUBLE CARPORT
FOR NORMAL WIND**

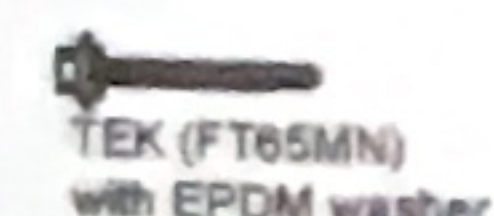
**DRAWING No: KIT-DCN
(SHEET 2 of 2)**

Revision D (12 Apr 2023)

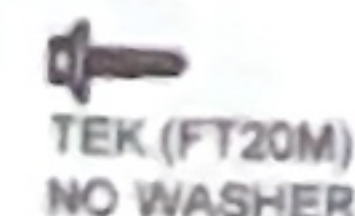
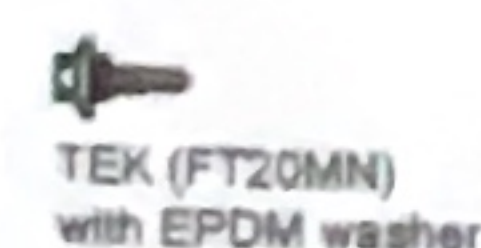


BOLTS

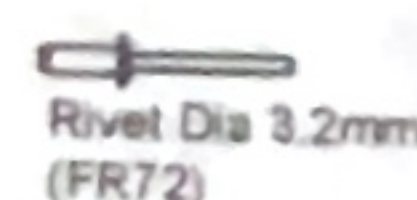
BOLTS SUPPLIED WITH WASHER AND NYLOCK NUT



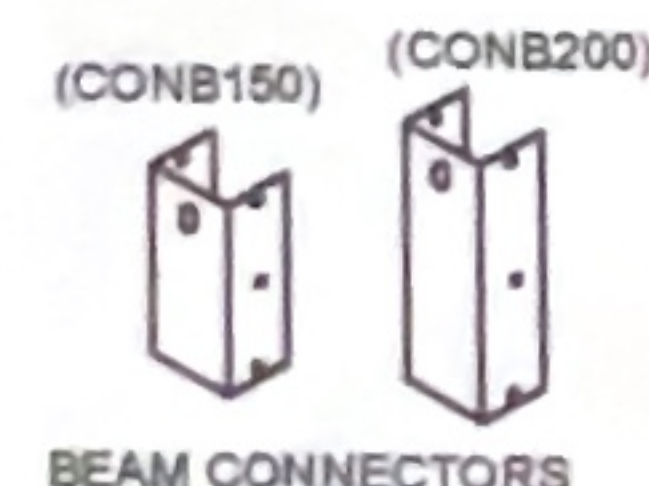
TEKS



NO STANDING ON ROOF SIGN (LABEL3)



RIVETS



Engineering Notes:

- [1] This is to certify that the details on this drawing have been checked by me and the structure is capable of withstanding wind loads for wind classification up to normal N3 (W41N) (see Table A) as defined in Australian Standard AS4055 "Wind Loads for Housing". The structure has been designed to the BCA and relevant Australian Standards like AS1170.1 and AS1170.2 for loading. The builder or competent person is responsible for doing the wind classification and filling in the specification below
- [2] Table A and B give the wind class and footing size based on the wind blocking. A side is considered blocked to the wind if it is closer than 1000mm to a solid wall that is greater than 1800 mm high like a wall of a house.
- [3] The carport shall be built in accordance with all the details on this drawing for it to perform as designed and the warranty to be valid.
- [4] The roof is designed for "NO FOOT TRAFFIC". The supplied roof sign must be riveted to the inside of the top beam, B1
- [5] Table B gives the footing size for each wind class to resist wind uplift with the bags of concrete required for the footing. It is based on the assumption that the soil is class M or H soil (clay) and the soil is capable of taking 100 kpa bearing pressure. If the soil is sandy the footing depth must be increased by 250mm and the footing width must be increased by 100mm. If the soil is otherwise then seek the advice of a Civil Engineer.
- [6] The concrete should be grade N20 ie have a compressive strength of 20 MPa, Slump 80mm and made in accordance with Australian Standard AS3600 Concrete Structures.
- [7] The teks with neoprene washer under the head are provided for fixing the sheeting to the beams. The teks without neoprene are for the beam connectors.
- [8] The builder must fill in the specification below (Carport Wind and Footing Specification) for submitting to the council or certifier as a record of the design selected for the wind, blocking and footing size.
- [9] Posts can be either into footing or flanged posts bolted to a slab. The 4 posts can be any mixture of post types.
- [10] The slab must be certified by a local Engineer if existing or built to Engineer's new details.
- [11] The Council or Certifier should check the soil and wind classification.
- [12] This drawing supersedes all previous revisions.

INSTALLATION OF SCREW ANCHORS WHERE FLANGED POSTS USED

- The HILTI screw anchors should be installed to the manufacturer's instructions. See web site www.hilti.com.au
- A 10mm anchor requires a hole 10mm diameter drilled into the concrete and 10mm deeper than the anchor length.
- Use the base plates as a template for marking the position of the holes in the concrete.
- The holes shall be no closer than 65mm to the edge of the concrete.
- Clean hole out using a pump to blow out all dust from the hole.
- Half fill hole with silicone and use silicone under the base plate to seal against ingress of water.
- Install the anchor with a rotary hammer impact screw driver until the head touches the face of the base plate.
- Do not over tighten the anchor.

MATTHEW MAMMONE
MIE Aust, NPER
Civil Engineer

Qualifications:
Member Institution of Engineers, Australia Membership N° 5371177
NPER Structural
Registered Professional Engineer, Queensland RPEQ No.18537
Registered Building Practitioner, Victoria PE0002861 Civil Engineer
Accredited Building Practitioner, Tasmania 979609393 Civil Engineer

Sign: _____

Date: 12 April 2023

CARPORT WIND AND FOOTING SPECIFICATION

WIND CLASS: N ____ W ____

BLOCKING: ____ B Sides blocked

SOIL CLASS ☐ Clay ☐ Sand

FOOTING SIZE: ____ wide x ____ deep

I have selected the wind classification based on the region, roughness, shielding and topology according to Australian Wind Loads on Housing (AS4055). The footing where used is selected from 'table B' based on the above wind class, blocking and type of soil Table B

Sign: _____ Date: _____

Name: _____

LYSAGHT

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DIY KIT
DOUBLE CARPORT
FOR NORMAL WIND

DRAWING No: KIT-DCN
(SHEET 1 of 2)

Revision D (12 Apr 2023)