

**APPLICATION FOR: (tick the applicable box)**

- RECEIVED

07 DEC 1992

## AND A BUILDING COMPANY

**Signed by or for and on behalf of the applicant**  
Name John  
Position Book Date 7/2/07

Name John  
Position Buck Date 7/2/02

[illegible]

**OWNER**

26/02/2022

## BUILDING

Re Setting of Building

NOT APPROVED [Signature] DATE 8.12/92

Carport to be connected  
Permanently to House  
B.C.

APPROVED [Signature] DATE 17/12/92

## STRUCTURAL ENGINEER

NOT APPROVED \_\_\_\_\_ DATE \_\_\_\_\_

APPROVED \_\_\_\_\_ DATE \_\_\_\_\_

NOT APPROVED \_\_\_\_\_ DATE \_\_\_\_\_

APPROVED \_\_\_\_\_ DATE \_\_\_\_\_

**Not Approved** \_\_\_\_\_ **Approved** \_\_\_\_\_

Date \_\_\_\_\_ Date \_\_\_\_\_

**Not Approved** \_\_\_\_\_ **Approved** \_\_\_\_\_

Date \_\_\_\_\_ Date \_\_\_\_\_

Not Approved \_\_\_\_\_ Approved \_\_\_\_\_

Date \_\_\_\_\_ Date \_\_\_\_\_

## OFFICE USE ONLY

[illegible]

☐ **NEW BUILDING**  
- exclude domestic garages and domestic outbuildings

☐ **FOUNDATIONS ONLY**

☐ **ALTERED, REPAIRED, EXTENDED, CONVERTED, RESITED**  
- include installation of heating appliances

☐ **NEW CONSTRUCTION OTHER THAN BUILDINGS**  
- include demolitions

☐ **DOMESTIC GARAGES AND DOMESTIC OUTBUILDINGS**



To be completed for both Building Consent and Project Information Memorandum  
The Project involves the following matters (Cross each applicable box, if any, and attach relevant information in duplicate)

Location of buildings in relation to Legal Boundaries	<input checked="" type="checkbox"/>	New connections to public utilities	<input type="checkbox"/>
External dimensions of new, relocated or altered building(s)	<input checked="" type="checkbox"/>	Provisions to be made in any demolition work for the protection of the Public, suppression of dust, disposal of debris, disconnection from public utilities & suppression of noise	<input type="checkbox"/>
New Provisions to be made for vehicular access, including parking	<input type="checkbox"/>	Any Cultural heritage significance of the building or building site, including whether it is a marae	<input type="checkbox"/>
Provisions to be made in building over or adjacent to any road or public place	<input type="checkbox"/>	Other details _____	
Provisions to be made for disposing of stormwater and wastewater	<input type="checkbox"/>	_____	
Precautions to be taken where building work is to take place over any existing drains or sewers or in close proximity to wells or watermains	<input type="checkbox"/>	_____	

#### TO BE COMPLETED FOR BUILDING CONSENT ONLY

<p>All information necessary to verify that the building work, if properly completed in accordance with those plans and specifications, will comply with the provisions of the building Act 1991 and the New Zealand Building Code, including:-</p> <p><input type="checkbox"/> Building certificates</p> <p><input type="checkbox"/> References to determinations</p> <p><input type="checkbox"/> References to accreditation certificates</p> <p><input type="checkbox"/> Reference to Approved Documents</p> <p><input type="checkbox"/> Producer Statements</p>		<p>DOCUMENTS SUBMITTED WITH THIS APPLICATION IN DUPLICATE AND TO SCALE (Please tick box)</p> <p>Site and/or Drainage Plans <input checked="" type="checkbox"/></p> <p>Floor Plans <input checked="" type="checkbox"/></p> <p>Cross-sections and details <input checked="" type="checkbox"/></p> <p>All Elevations <input checked="" type="checkbox"/></p> <p>Wall Bracing Calculations <input checked="" type="checkbox"/></p> <p>Specifications <input checked="" type="checkbox"/></p> <p>Structural Calculations <input checked="" type="checkbox"/></p> <p>Other <input type="checkbox"/></p>
<p>Proposed procedures (if any) for inspection during construction</p> <p><input type="checkbox"/> Inspection by building certifier(s)</p> <p><input checked="" type="checkbox"/> Inspection by South Taranaki District Council</p>		

#### PLEASE INDICATE THE MATERIALS TO BE USED

<p>Floor (tick boxes)</p> <p>1 <input checked="" type="checkbox"/> Timber</p> <p>2 <input checked="" type="checkbox"/> Concrete</p> <p>3 <input checked="" type="checkbox"/> Wood Products</p> <p>4 <input checked="" type="checkbox"/> Other</p>	<p>Roof (tick boxes)</p> <p>1 <input checked="" type="checkbox"/> Steel Sheetting</p> <p>2 <input checked="" type="checkbox"/> Steel Tiles</p> <p>3 <input checked="" type="checkbox"/> Concrete Tiles</p> <p>4 <input checked="" type="checkbox"/> Shingles</p> <p>5 <input checked="" type="checkbox"/> Aluminium</p> <p>6 <input checked="" type="checkbox"/> Other</p>	<p>External Cladding (tick boxes)</p> <p>1 <input checked="" type="checkbox"/> Brick</p> <p>2 <input checked="" type="checkbox"/> Concrete</p> <p>3 <input checked="" type="checkbox"/> Concrete Block</p> <p>4 <input checked="" type="checkbox"/> Cement Board</p> <p>5 <input checked="" type="checkbox"/> Plaster</p> <p>6 <input checked="" type="checkbox"/> Timber</p> <p>7 <input checked="" type="checkbox"/> Steel</p> <p>8 <input checked="" type="checkbox"/> Aluminium</p> <p>9 <input checked="" type="checkbox"/> Other</p>
<p>Framing (tick boxes)</p> <p>1 <input checked="" type="checkbox"/> Timber</p> <p>2 <input checked="" type="checkbox"/> Concrete</p> <p>3 <input checked="" type="checkbox"/> Steel</p> <p>4 <input checked="" type="checkbox"/> Aluminium</p> <p>5 <input checked="" type="checkbox"/> Other</p>	<p>Internal Linings (tick boxes)</p> <p>1 <input checked="" type="checkbox"/> Plaster board</p> <p>2 <input checked="" type="checkbox"/> Fibrous plaster</p> <p>3 <input checked="" type="checkbox"/> Wood Products</p> <p>4 <input checked="" type="checkbox"/> Other</p>	

For Office Use Only  
PROJECT INFORMATION MEMORANDUM

PLANNING	<i>Max Car parts not permitted in front yard</i>	FEE:	_____
NOT APPROVED	<i>8</i>	DATE	<i>8-12-92</i>
APPROVED	<i>[Signature]</i>	DATE	<i>16-12-92</i>

HEALTH			
NOT APPROVED	_____	DATE	_____
APPROVED	_____	DATE	_____

DANGEROUS GOODS			
NOT APPROVED	_____	DATE	_____
APPROVED	_____	DATE	_____

STREETWORKS ENGINEER	VEHICLE CROSSING Fee \$	<i>N/A</i>	
NOT APPROVED	_____	DATE	_____
APPROVED	<i>[Signature]</i>	DATE	<i>8-12-92</i>

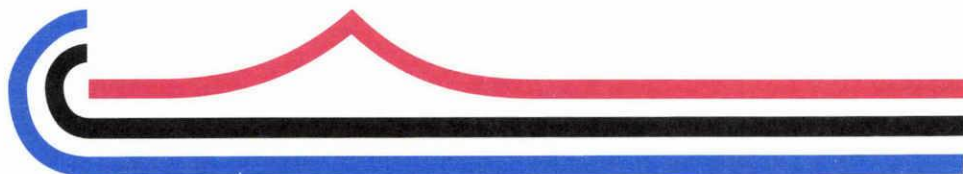
NETWORK UTILITY OPERATORS

SERVICES ENGINEER	SEWER CONNECTION FEE \$	_____	
	WATER CONNECTION FEE \$	_____	
NOT APPROVED	_____	DATE	_____
APPROVED	_____	DATE	_____

GAS	FEE \$	_____	
NOT APPROVED	_____	DATE	_____
APPROVED	_____	DATE	_____

ELECTRICAL	FEE \$	_____	
NOT APPROVED	_____	DATE	_____
APPROVED	_____	DATE	_____

APPROVING OFFICER			
NOT APPROVED	_____	DATE	_____
APPROVED	_____	DATE	_____



# SOUTH TARANAKI DISTRICT COUNCIL

PRIVATE BAG 902

HAWERA

TELEPHONE (06) 278 8010

FACSIMILE (06) 278 8757



Reference:

## Code Compliance Certificate

Section 43(3), Building Act 1991

**FILE COPY**

### Application

J C TAYLOR  
16 ROPATA STREET  
HAWERA

No. 920424  
Issue date 2/06/98

### Project

Description	ALTERATIONS, REPAIRS or EXTENSIONS BEING STAGE 1 OF AN INTENDED 1 STAGES DOUBLE CARPORT
Intended Life	INDEFINITE, BUT NOT LESS THAN 50 YEARS
Intended Use	
Estimated Value	\$1,800
Location	16 ROPATA ST, HAWERA
Legal Description	LOT 10 DP 3395
Valuation No.	1235014500

This is a final code compliance certificate issued in respect of all the building work under the above building consent.

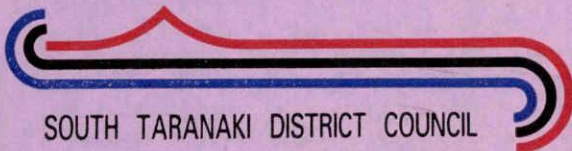
Signed for and on behalf of the Council:

G J Young - Consents Manager

Date:

2/6/98





No

0107

SOUTH TARANAKI DISTRICT COUNCIL

LOCAL GOVERNMENT ACT 1974  
BUILDING ACT 1991NOTICE OF INSPECTION BY BUILDING CONTROL OFFICER

to the Owner / Occupier / Contractor

Application No. 386/92Please take notice that on the 21 / 1 / 93 at 10.30 am/pm

An inspection was carried out on this site under the provisions of the Local Government Act 1974 or Building Act 1991.

The purpose of the Inspection was:- ☐ Building ☐ Plumbing & Drainage☐ Site Inspection☐ Final Inspection☒ Foundation Inspection☐ Re-inspection☐ Slab Inspection☐ Complaint☐ Prelining Inspection☐ Other

INSP

Comments:

*OK to Proceed*

*[Signature]*

Inspector: M \_\_\_\_\_ File No. \_\_\_\_\_

Receipt No. **103695**

Date Permit Issued **18 / 12 / 92**

**OWNER**

Name **J. C. Taylor**

Mailing Address **16 Kopata Street**  
**Thurero**

**BUILDER**

Name **Equum Shed Centre**

Mailing Address **9 Hunter Street**  
**Thurero**

PROPERTY ON WHICH BUILDING IS TO BE ERECTED/DEMOLISHED

**SITE**

Street No. \_\_\_\_\_

Street Name **As Owner**

Town/District \_\_\_\_\_

Ward \_\_\_\_\_

**LEGAL DESCRIPTION**

Valuation Roll No. **12350-145-00**

Lot **10** D.P. **3395**

Section \_\_\_\_\_ Block \_\_\_\_\_

Survey District \_\_\_\_\_

DESCRIPTION OF PROPOSED WORK AND MAIN PURPOSE OF USE

**Double Carport**



**FLOOR AREA** Whole Sq. Metres **22**

**DWELLING UNITS** Number Erected \_\_\_\_\_

**ESTIMATED VALUES**

Building	1,800
Plumbing	
Drainage	
G.S.T.	
<b>TOTAL</b>	<b>1,800</b>

**NATURE OF PERMIT (TICK BOX)**

☐ NEW BUILDING  
— exclude domestic garages and domestic outbuildings

☐ FOUNDATIONS ONLY

☐ ALTERED, REPAIRED, EXTENDED, CONVERTED, RESITED  
— include installation of heating appliances

☐ NEW CONSTRUCTION  
OTHER THAN BUILDINGS — include demolitions

☒ DOMESTIC GARAGES  
AND DOMESTIC OUTBUILDINGS

FEES APPLICABLE

Building Permit	\$ <b>98</b>	Water Connection	\$ _____
Street Damage Deposit	\$ _____		\$ _____
Building Research Levy	\$ _____		\$ _____
Plumbing	\$ _____		\$ _____
Drainage	\$ _____		\$ _____
Sewer Connection	\$ _____		\$ _____
Vehicle Crossing Levy	\$ _____		\$ _____
M.S. Plumbing	\$ _____		\$ _____
G.S.T. incl	\$ <b>10.88</b>		
<b>TOTAL:</b>	\$ <b>98</b>		

Receipt No. **103695**

Date of Payment **1 / 12 / 92**

Authorised Officer **R. H. Jones**

Special Conditions: \_\_\_\_\_

**1) Carport to be connected permanently to the house.**

Date Inspected

REMARKS (e.g. stage reached with work)

**21/1/93**

**Site Inspection OK to Pour Pkts**

[illegible]

COMPLETED (Signature) \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_



# DESIGN CERTIFICATE

18/12/92



PLAN 920424



To Building Inspector  
Wellington City Council

re Formsteel Standard Double Carport  
(Project Title)

I, R. L. Richardson, being a Registered Engineer  
and holding a current Annual Practising Certificate and being a Member of the Association of Consulting  
Engineers New Zealand and a Principal/Director of RICHARDSON, STEVENS CONSULTANTS LTD.  
CONSULTING ENGINEERS  
2 Seaview Road, Whangarei

hereby certify that:

- This Consulting Practice has been engaged to design and execute the appropriate engineering  
calculations for Standard Carport with "Purlindec" roofing, custom  
gutter/facia beams, timber or steel posts  
(Description & Type of Structure)

proposed to be constructed for

(Name of Owner)

located at Ground Roughness 3, Class B site to NZS 4203.  
(Street Address)

on

(Legal Description of Site)

- The accompanying 3 sheets of Drawings titled and numbered Formsteel  
Carports (Number) and dated Aug '90 and Specification Sections numbered  
adequately illustrate the design of the structure.

- I have exercised reasonable control over the design processes for the works defined above which  
have been designed in accordance with sound and widely accepted engineering principles to support  
the loads specified in NZS 4203 50 m/s Basic Wind Speed.  
and various aspects of the design are in accordance with the following relevant authorities  
NZS 3404, 3603 AISI Cold Formed Steel Manual

- I believe the stresses in the various materials of construction and force resisting elements of the  
structure including the foundation strata under the above loads are such as to ensure the safety and  
stability of the structure if the works are constructed in accordance with the above described  
drawings and specifications.

The name and qualification of the principal structural designer are

IL Brewer BE MIPENZ Reg Eng

Signature of ACENZ Member

Date

23-9-92

Professional Qualifications

Registration No.

1832

For and on behalf of:

RICHARDSON, STEVENS CONSULTANTS LTD.

Leese and Richardson Consulting Engineers  
2 Seaview Road, Whangarei  
Whangarei

ASSOCIATION OF  
CONSULTING ENGINEERS NEW ZEALAND  
A Division of the Institution of Professional Engineers New Zealand

Refer to Steel Carport  
Client Formsteel

6 x 6 Carport  $V = 50 \text{ m/s}$

Gutter Beam Defl. - wind.

$$\delta = \omega L^4 / 165 EI = 3300 \times 2.4^4 / 165 \times 2 \times 10^8 \times 844123 \times 10^{-12}$$

$$= 3.5 \text{ mm} = 0.0015 \text{ L} < 0.006 \text{ L} \quad \text{OK.}$$

Upward load on joint.

$$p = \frac{1}{6} \times 6 \times 6 \times (2 \times 55 - 7 \times 0.9) - \frac{1}{6} \times 7 \times 0.2 \times 24$$

$$= 6.17 \text{ kN/joint.}$$

Bolted Connection

WRT Timber

$$Q = 2 \times 1.75 \times 1.64 + 1.25 = 6.22 \text{ kN} > 6.17 \text{ kN} \quad \text{OK.}$$

WRT Steel Bearing

$$Q = 2 \times 550 \times 2 \times 55 \times 10 \times 10^{-3} = 12.1 \text{ kN} > 6.17 \text{ kN} \quad \text{OK.}$$

WRT Bolt Shear

$$Q = 56 \times 6 \times 240 = 45.35 \text{ kN} > 6.17 \quad \text{OK.}$$

Foundation Uplift

Concrete wt.

Soil Reaction 15 kPa below 450 deep

$$3.49 \text{ kN}$$

$$10.50$$

$$13.99$$

$$> 1.5 \times 6.17$$

OK

(Floor slab where present gives additional wt.)

Cent. Lever Load on Posts

$$P = 0.4 \times 55 \times 2 \times 6 \times 6 + 2 \times 55 \times 6 \times 1.65 = 2.67 \text{ kN}$$

$$\text{Bmt/Post} = 2.67 \times 2.1 / 6 = 0.935 \text{ kN-m}$$

For 100 x 100 P. radiata

$$R_b = 6.77 \text{ MPa} \quad F_b = 5 \times 1.75 = 6.75 \text{ MPa} \quad \text{OK}$$

51 x 51 x 3.2 RHS

$$R_b = 1.41 \text{ MPa} \quad F_b = 165 \times 1.33 = 220 \text{ MPa} \quad \text{OK}$$

NB



# Jardson, Stevens Consultants Ltd.

CONSULTING CIVIL & STRUCTURAL ENGINEERS

2 SEAVIEW ROAD, WHANGAREI. PHONE: 483-273

Refers to Standard Carports

Client Formsteel

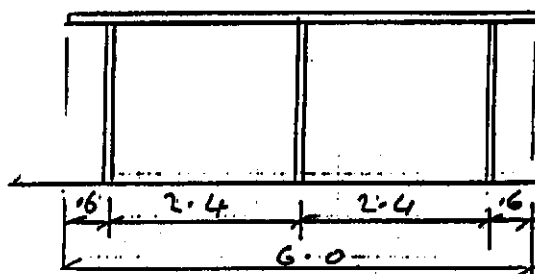
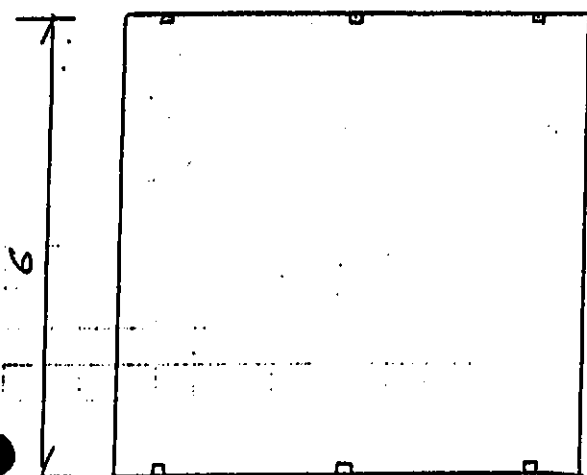
Plan Ref. No. ....

Calculated by DLB

Checked by .....

Date 23-9-91

For 50 m/s Wind Zone NZS 4203:1984  
6m x 6m Carport.



Wind GR 3. Class B. Ht 3m

$$V_s = 5.5, V = 1 \times 6 \times 50 = 30 \text{ m/s}$$

$$g = 0.55 \text{ L.P.}$$

$$C_p = 2$$

Roofing: Span 6.0m

$$w = 2 \times 55 \times 1 + 0.05 = 1.15 \text{ kN/m/m width.}$$

$$M = wL^2/8 = 5.14 \text{ kN-m/m.}$$

Use 75mm Parlmalek.

$$f_b = (5.14 / 16 \times 10^5) \times 10^6 = 248 \text{ MPa.}$$

$$F_b = 550 \times 0.6 \times 1.33 = 439 \text{ MPa}$$

Facia/Gutter Beam

$$w = 2 \times 55 \times 3 + 3 \times 1 + 0.015 = 3.615 \text{ kN/m}$$

$$M_{max} = wL^2/8 = 2.60 \text{ kN-m.}$$

Use 55mm Facia/Gutter Beam.  $R_y = 550$

$$f_b = 2.60 \times 10^3 / 7569 = 345 \text{ MPa} \quad F_b = 439 \text{ MPa}$$

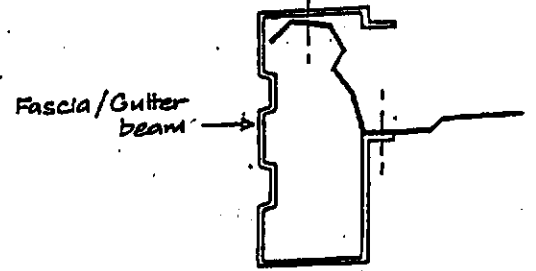
OK DLB

# End Fascia Section

Scale 1

4-76 Pop rivets into pans & ribs of roofing at 300 c/c. Two rivets into each pan.

4-76 Pop rivets into pans & ribs of roofing at 300 c/c. Two rivets into each pan.

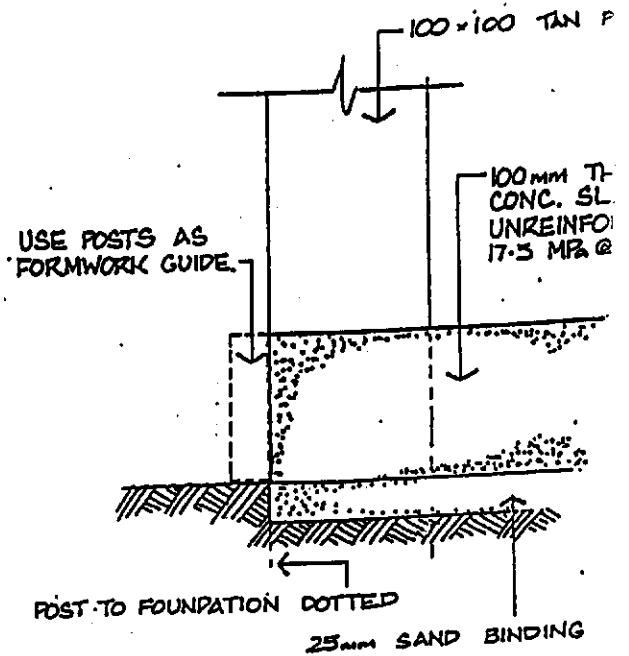
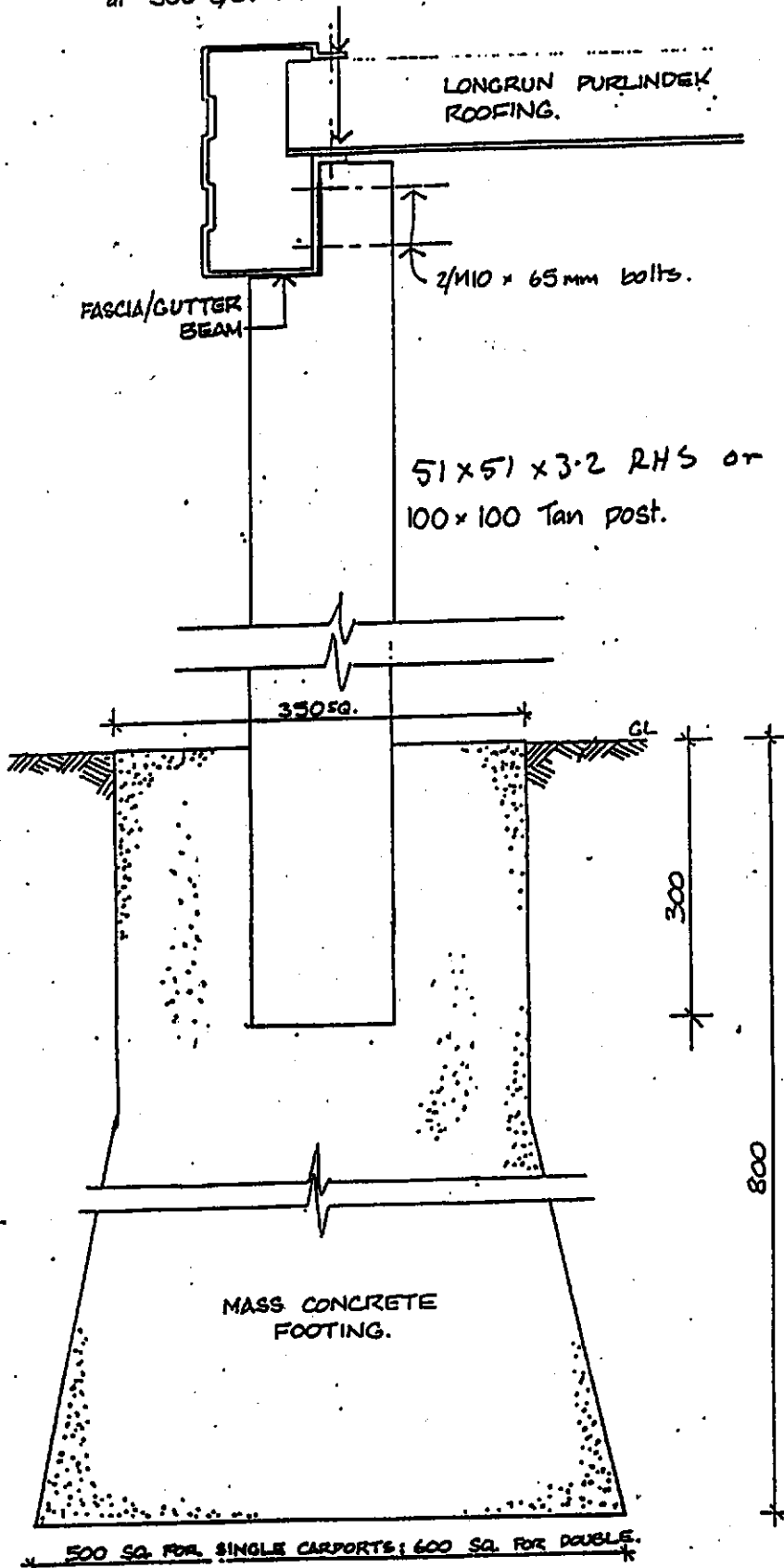


LONGRUN PURLIN DECK ROOFING -

This drawing is in accordance with any calculations where applicable.

RICHARDSON, STEVENS CONSULTANTS LTD  
CONSULTING ENGINEERS  
2 Seaview Road, Whangarei

per *[Signature]*  
Registered Engineer



CONCRETE FLOOR FOOTING scale 1

Standard Cross Section  
Scale NTS

**CARPORTS**

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AGENT:

TITLE:

Standard details

REVISION:  
AUG90

PAGE



LONGRUN PURLIN  
0.75 MM. BMT

51 x 51 x 3.2 Z1  
100 x 100 TAN PD

SIDE ELE

OPTIONAL CONCRETE FLOOR

GL

2100  
2200 if Conc floor option required

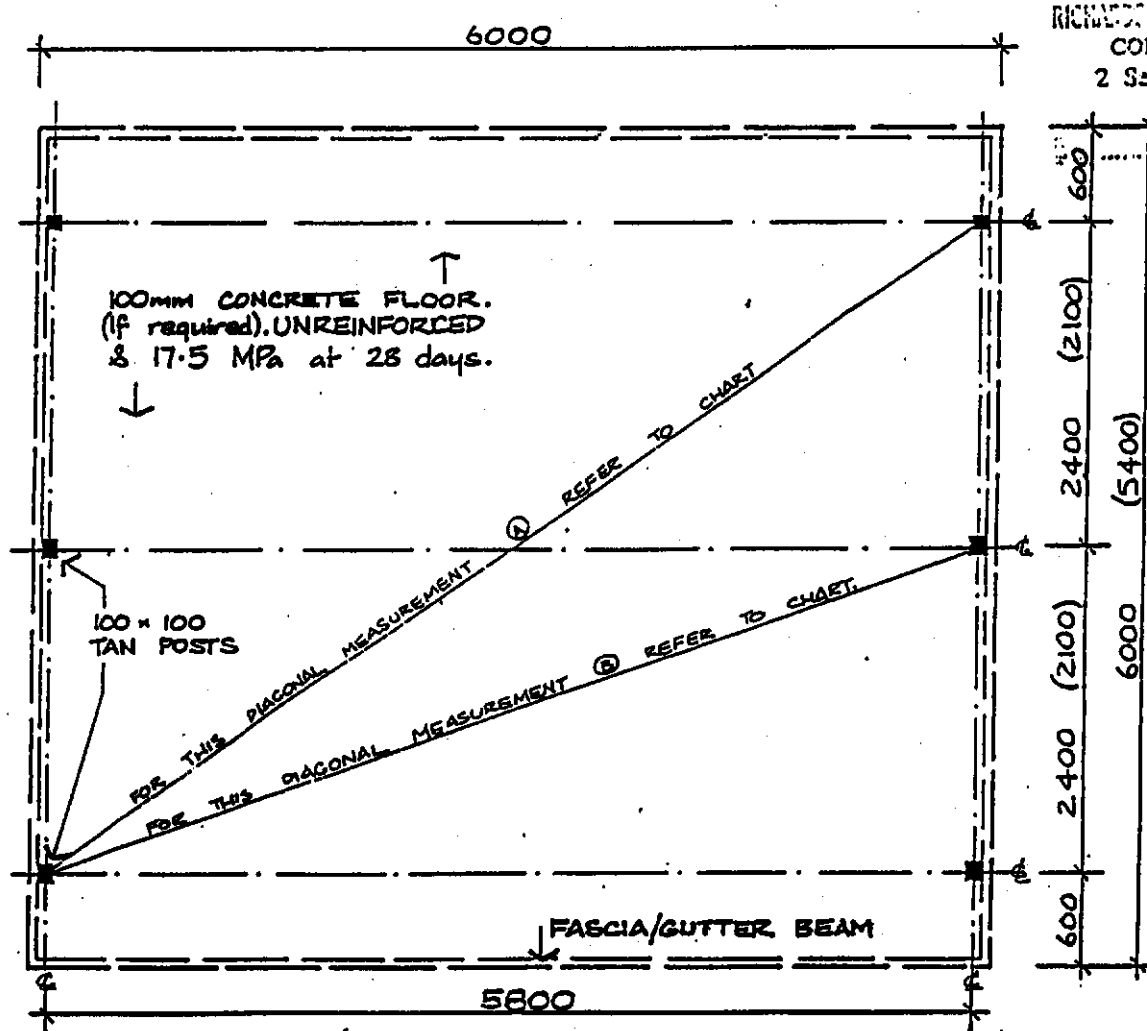
25mm ROOF SLOPE

FASCIA/GUTTER BEAM. 0.55

END EL  
GL

This drawing is in accordance  
my calculations where applica  
RICHMOND, STEVENS CONSULTANTS  
CONSULTING ENGINEERS  
2 Seaview Road, Whangarei

*Handwritten signature*  
Whangarei N.Z.



6.0 <sup>m</sup> CARPORT
DIAGONAL MEASUREMENT
A/ 7225
B/ 6277

Dimensions are in m & taken to centres

5.4 <sup>m</sup> CARPORT
DIAGONAL MEASUREMENT
A/ 7161
B/ 6168

PLAN (1:5)

Forms  
Steel

**CARPORTS**  
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AGENT:		
TITLE:	Floor plan & Elev.'s (D)	REVISION: Aug 90
		PAGE:

# Carport Assembly Instructions

**PROCEDURE** - It is important to read & understand these instructions before starting work.

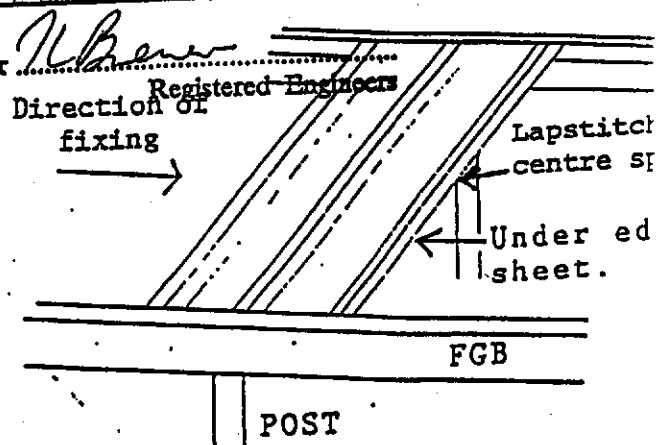
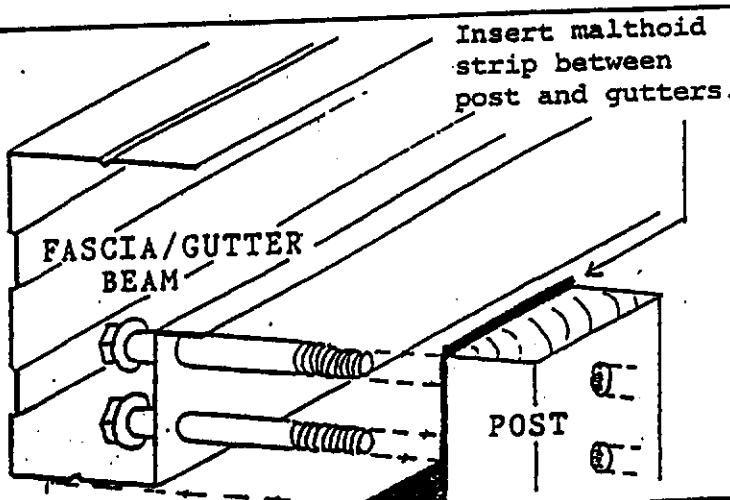
1. Peg out the carport site to conform with the site plan, page 1, on your approved permit application.
2. Accurately measure off the pole positions as shown on the permit plans. measurements are taken centre to centre.
3. Dig holes, to the sizes shown on page 3 of the permit plans, at each post location.
4. Position posts into the footings, with correct vertical alignment and location, shown on the plans, and brace for stability. Pour concrete around the posts & trowel to a smooth, level finish.
5. Trim one of the posts to allow for a minimum head room of 2100mm between GL (concrete floor if requested) and the lower side of the Fascia/Gutter Beam (FGB). Take the first trimmed height as a datum & work off that to arrive at the height for the other posts. Ensure that the downpipe side of the Carport is 25mm lower than its opposite side to allow for roof slope.
6. The FGB can now be fitted. Drill the holes for the bolts, using the floor plan shown on page 2 & cross section shown on page 3 of the plans. Drill the holes to accept M10 bolt. Using 10 x 65mm bolts with heavy washers between the bolt head & wall. Seal between washer & FGB with Silaflex.
7. To assemble the roof slide the roofing sheets into the FGB's, and clip the end overlap of one sheet into place with the following sheet. Once all the sheets are positioned & clipped together, align the roofing sheets so the pan of the sheet profile is not sitting directly over any of the posts (this will allow for ease of rivetting). Rivet the roofing to the FGB as per the details on page 3 of the plans.
8. Clip in fascia ends & fix with rivets, sealing the corners with Silaflex to make the watertight.

**NOTE** - The stability of your carport depends upon all fixings being tight.

9. Determine the position of the downpipe dropper & cut hole in the lower edge of FGB. Rivet the PVC dropper up to the FGB sealing it with Silaflex and fix downpipe to pole with brackets & PK screws.

This drawing is in accordance with my calculations where applicable.

RICHARDSON, STEVENS CONSULTANTS LTD.  
CONSULTING ENGINEERS  
2 Seaview Road, Whangarei



**CARPORTS**  
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AGENT:

TITLE:

Assembly Instructions

REVISION:

AUG90

PA



Carport to be connected to existing house  
with permanent fixing.

Existing  
house

Carport  
Connection

Proposed Carport  
4.8 x 5.2 long

13.5

Existing  
House

10m

5.2

900

front boundary.



NORTH

Ropata St ROAD

scale:

ADDRESS: 16 Ropata St  
Hawera

LOT: DP:

Orms  
steel

CARPORTS

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AGENT:

Egmont shed Centre

TITLE:

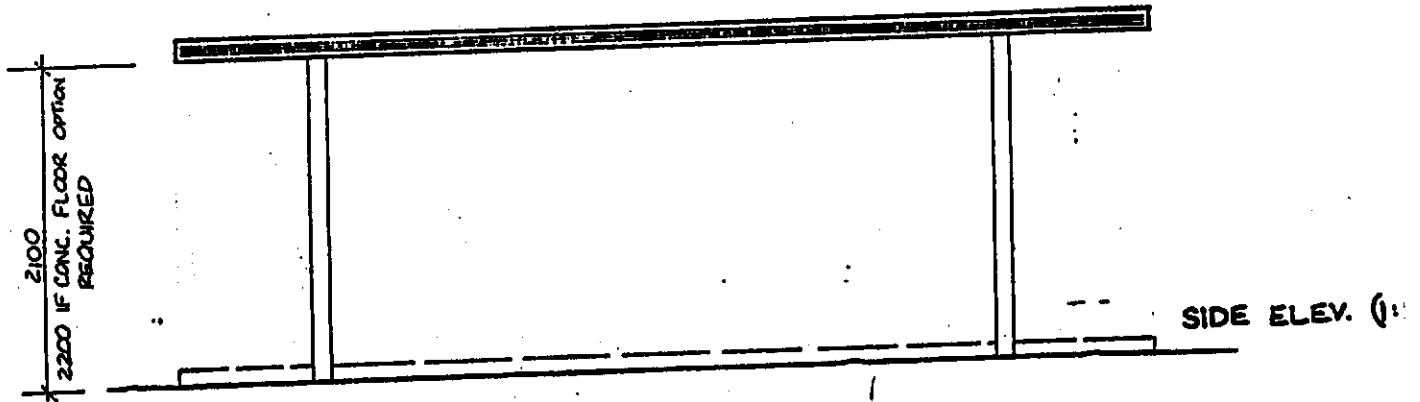
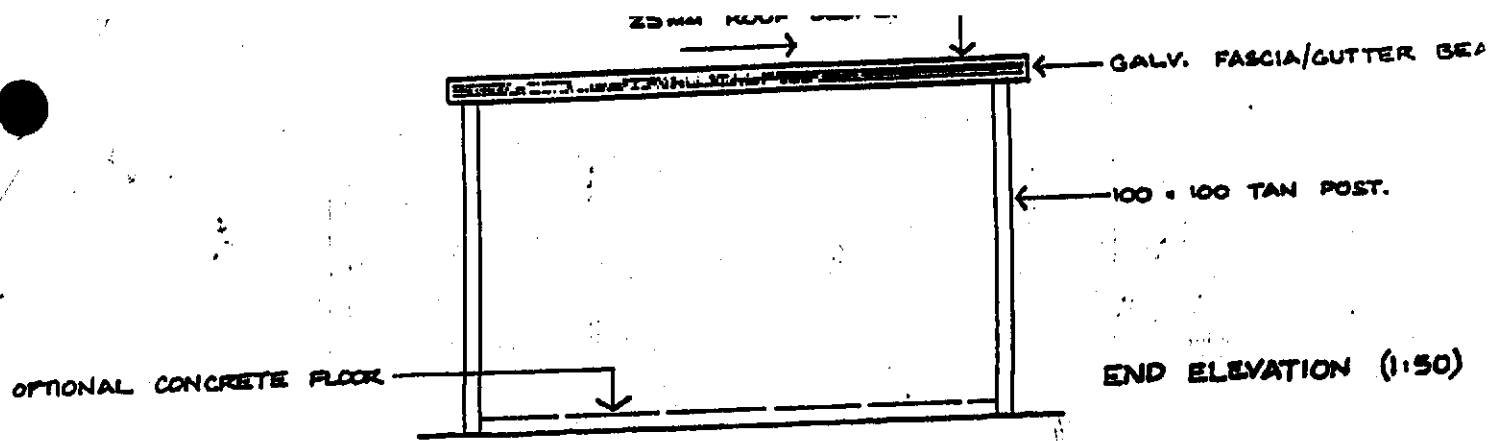
Site Plan

REVISION:

AUG 90

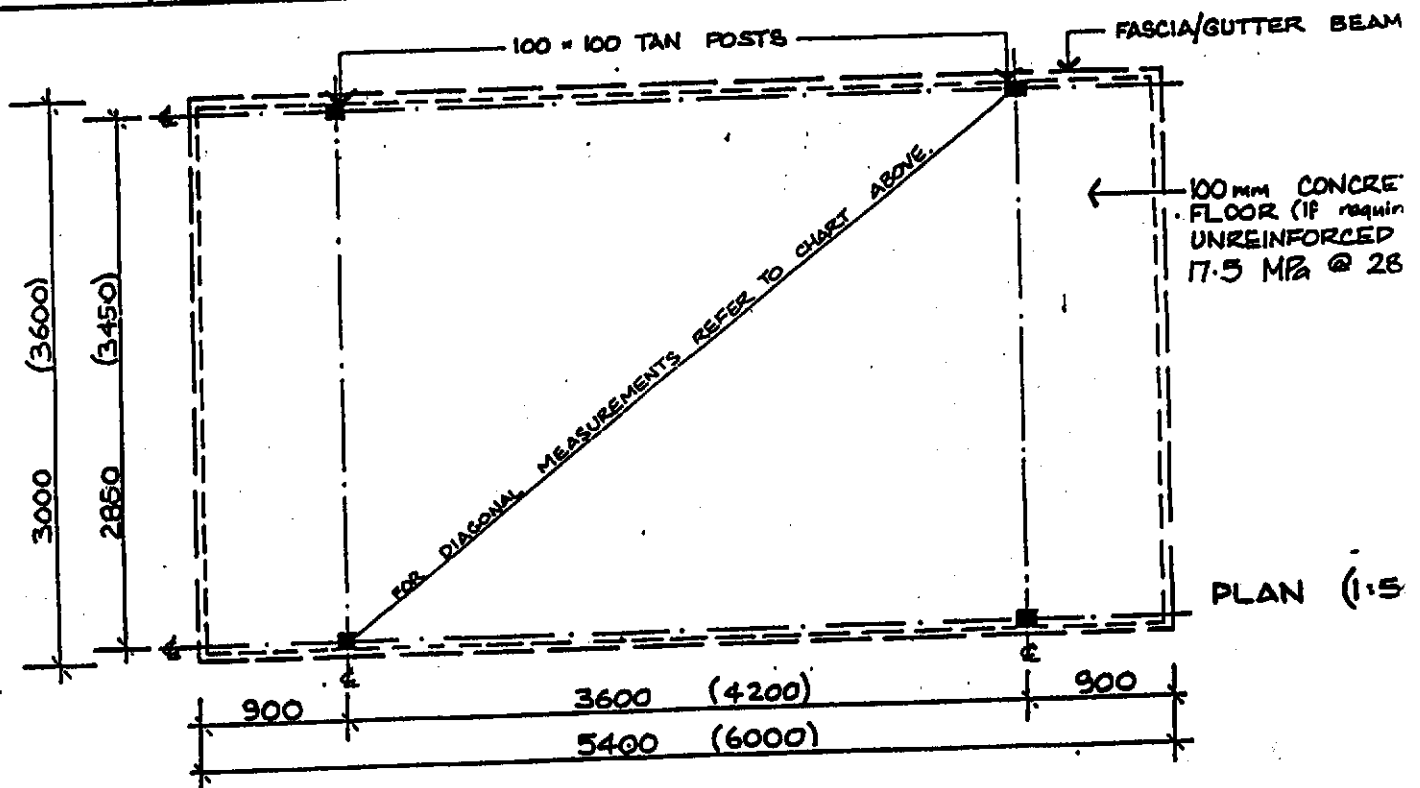
PAGE:

1



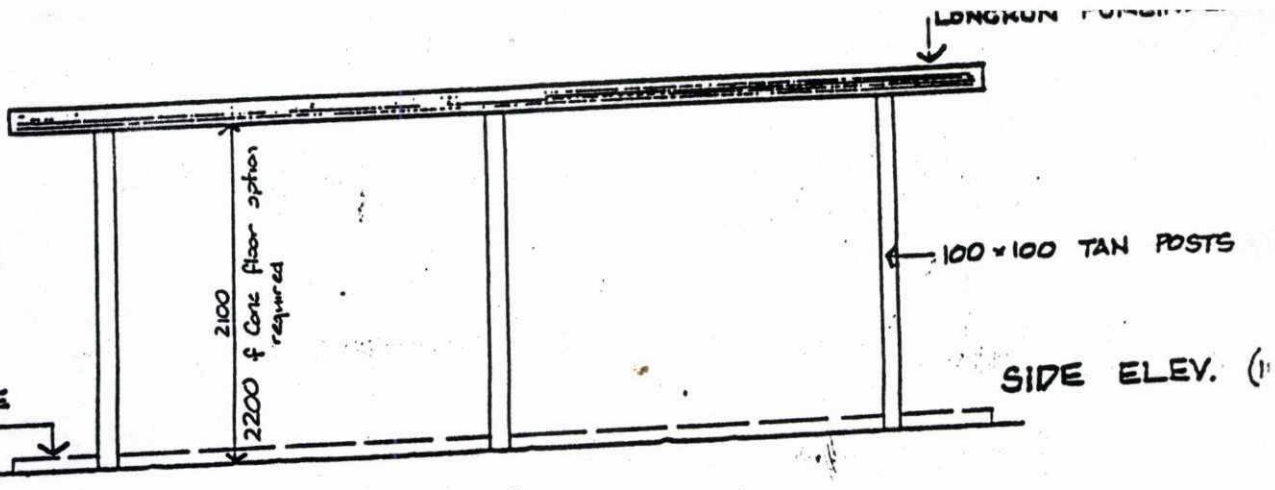
OVERALL DIM.		
LENGTH.	5400	6000
WIDTH.	3000	3600
	4360	5048
	3600	5404

All dimensions in mm & are taken centre to centre.

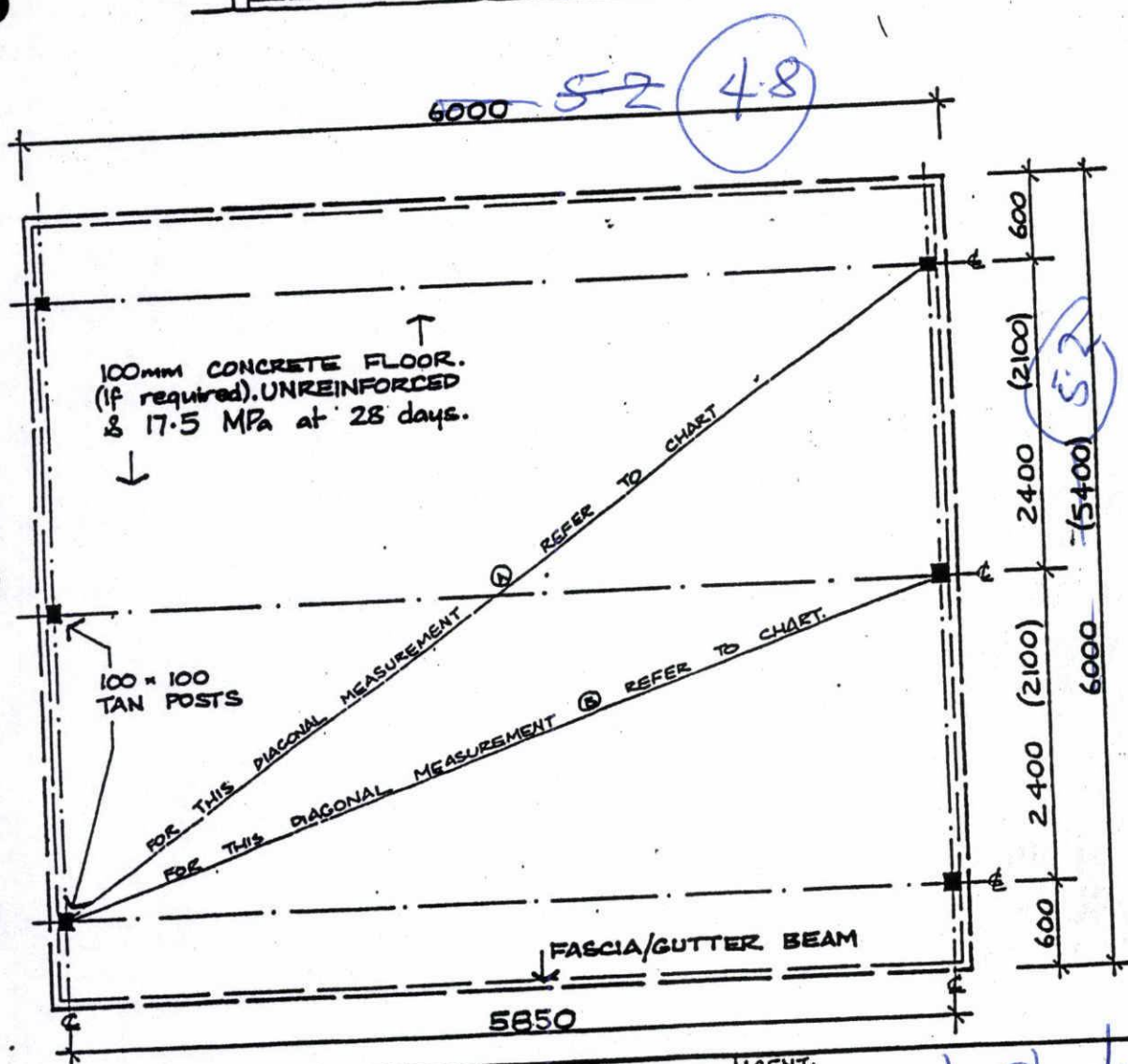
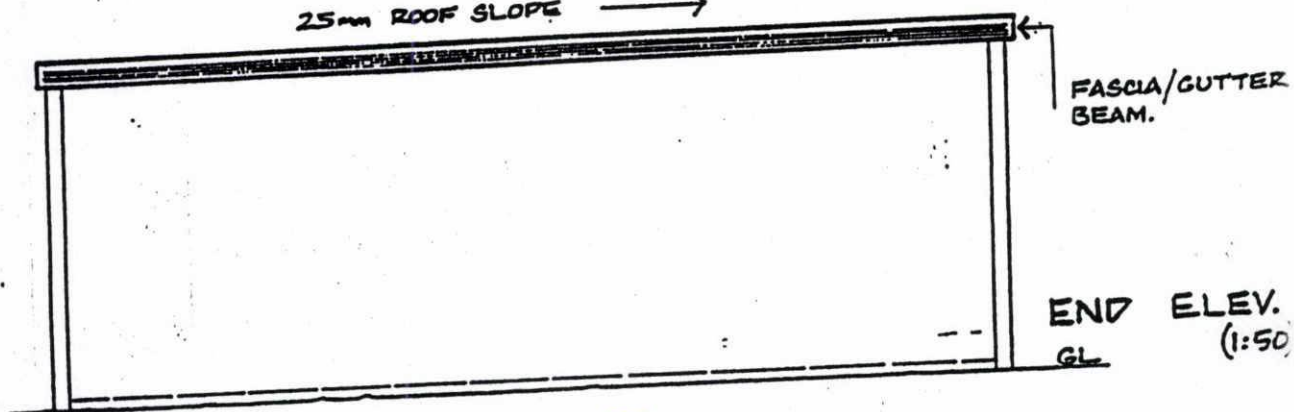




OPTIONAL CONCRETE FLOOR  
GL



25mm ROOF SLOPE →



6.0 <sup>m</sup> CARPORT	
DIAGONAL MEASUREMENT	
A	7225
B	6277

Dimensions are in mm. & taken to centres.

5.4 <sup>m</sup> CARPORT	
DIAGONAL MEASUREMENT	
A	7161
B	6168

PLAN (1:50)

Prime Steel

**CARPORTS**  
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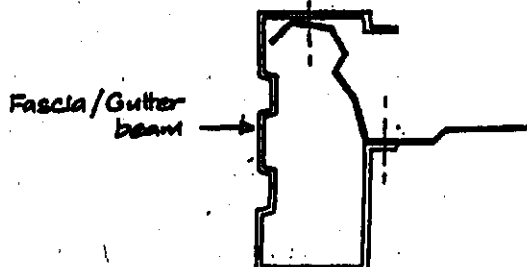
AGENT: *Egmont Sheds*

TITLE: Floor plan & Elev.'s (D)

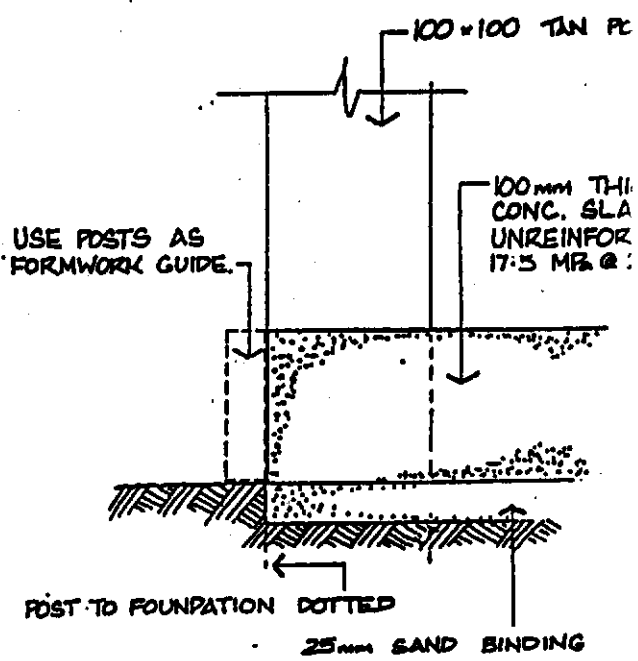
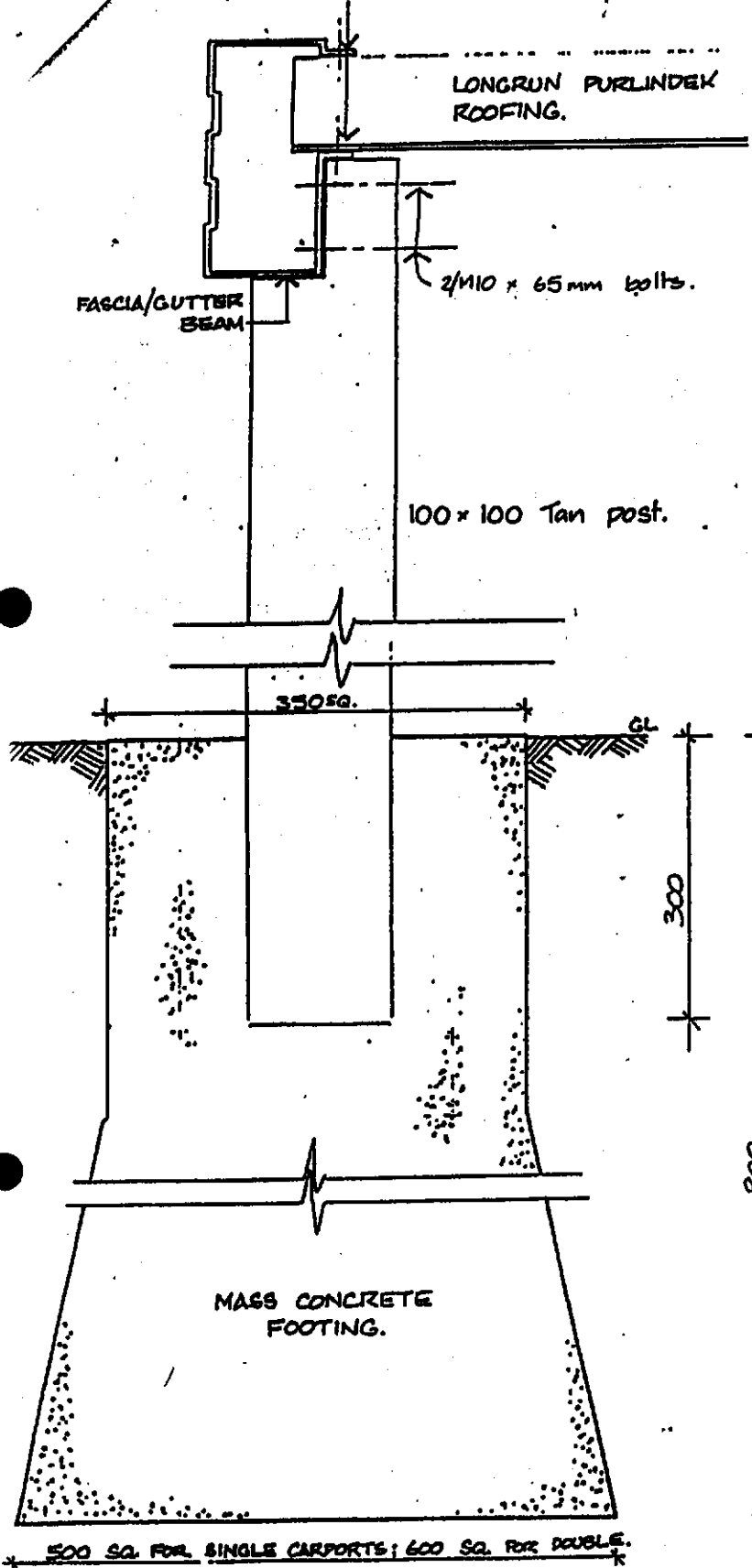
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Scale 1:  
4-76 Pop rivets into pans & ribs of roofing at 300 c/c.



6 Pop rivets into pans & ribs of roofing at 300 c/c. Two rivets into each pan.



CONCRETE FLOOR FOOTING scale 1:1

Standard Cross Section  
Scale NTS

Steel  
Forms

**CARPORTS**  
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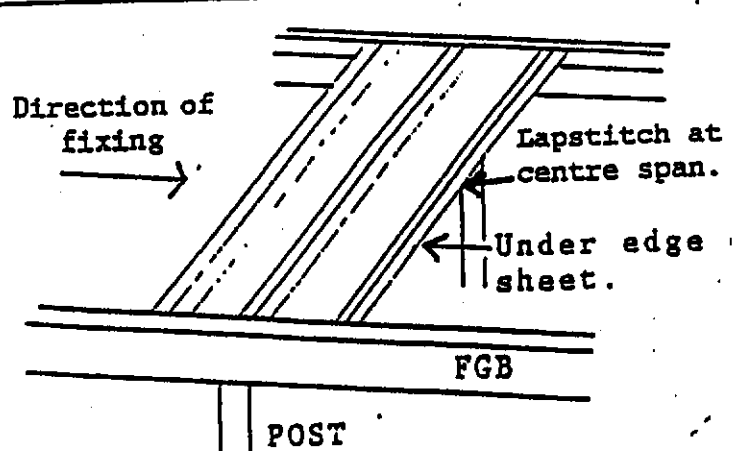
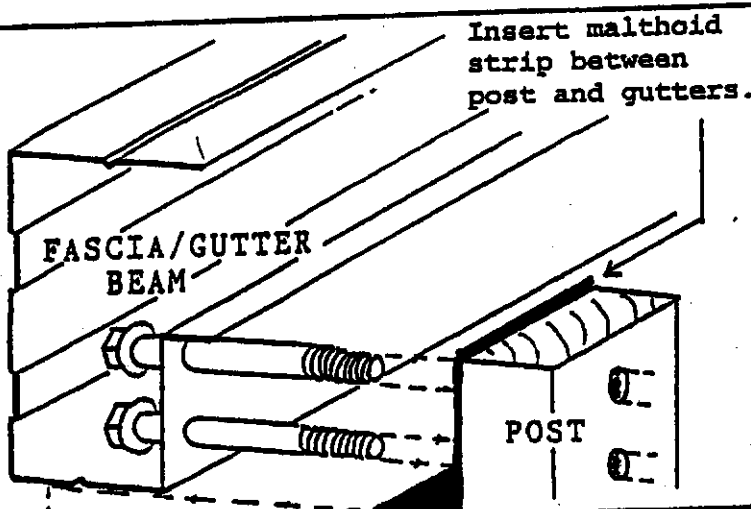
# Port Assembly Instructions!

**PROCEDURE-** It is important to read & understand these instructions before starting work.

1. Peg out the carport site to conform with the site plan, page 1, on your approved permit application.
2. Accurately measure off the pole positions as shown on the permit plans. All measurements are taken centre to centre.
3. Dig holes, to the sizes shown on page 3 of the permit plans, at each post location.
4. Position posts into the footings, with correct vertical alignment and location, as shown on the plans, and brace for stability. Pour concrete around the posts and trowel to a smooth, level finish.
5. Trim one of the posts to allow for a minimum head room of 2100mm between GL (or concrete floor if requested) and the lower side of the Fascia/Gutter Beam (FGB). Take the first trimmed height as a datum & work off that to arrive at the heights for the other posts. Ensure that the downpipe side of the Carport is 25mm lower than its opposite side to allow for roof slope.
6. The FGB can now be fitted. Drill the holes for the bolts, using the floor plan shown on page 2 & cross section shown on page 3 of the plans. Drill the holes to accept an M10 bolt. Using 10 x 65mm bolts with heavy washers between the bolt head & FGB wall. Seal between washer & FGB with Silaflex.
7. To assemble the roof slide the roofing sheets into the FGB's, and clip the edge overlap of one sheet into place with the following sheet. Once all the sheets are positioned & clipped together, align the roofing sheets so the pan of the sheet profile is not sitting directly over any of the posts (this will allow for ease of rivetting). Rivet the roofing to the FGB as per the details on page 3 of the plans.
8. Clip in fascia ends & fix with rivets, sealing the corners with Silaflex to make them watertight.

**NOTE -** The stability of your carport depends upon all fixings being tight.

9. Determine the position of the downpipe dropper & cut hole in the lower edge of FGB. Rivet the PVC dropper up to the FGB sealing it with Silaflex and fix downpipe to the pole with brackets & PK screws.



## CARPORTS

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## Charge Out Sheet

Valuation No.



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