



BC 961144

SPECIFICATION OF WORK AND MATERIALS REQUIRED IN THE ERECTION OF

MARLBOROUGH DISTRICT COUNCIL

4 UNITS approved subject to all work compl. with the N.Z. Building Code.

FOR: W.R. CAMPBELL LTD

AT: LOT 1 MARY GRACE PLACE, BLENHEIM



GENERAL

This includes the supplying and delivering on to the site of all materials, labour, fittings and plant necessary for the building and proper completion of the dwelling as shown on the plan and herein specified.

The usual condition of the contract to apply, work shown and not specified, and vice versa, shall be carried out as if it were both specified and shown.

MATERIALS AND WORKMANSHIP

All materials and workmanship shall conform to the N.Z. Standard Specification and with any relevant By-Laws of the Local Bodies.

PERMITS AND INSURANCE

The contractor shall procure all necessary permits and pay all fees for same.

He shall take such necessary insurance as may be required by the Workers Compensation Act, also for a sum sufficient to cover the full value of the work in progress.

The Policies to remain in force until the building is taken over by the owner.

SUB-CONTRACTS

The contractor shall be responsible for the carrying out of all sub-contracts, and shall render every assistance to the various trades in the carrying out of their part of the work.

EXCAVATIONS

Excavate as required to a solid bottom for foundations, steps, and porches.

CONCRETE MIX

Concrete shall be mixed on the proportions of 5 parts of well washed rivershingle to one part Portland cement. 17 M.P.A.

HARD CORE FILLING

May be of bricks, old concrete, stone or other hard substance broken to a maximum size of 150mm and well consolidated. Before concrete is poured, the surface shall be blinded with fine sand.

STEPS

150mm risers and 300mm treads.

FOUNDATIONS

Wall foundations shall be 250mm continuous and reinforced with 3/12mm M.S. rods continuous bent around all angles hooked at ends 40 dias, and lapped at least 600mm at all joints. 10mm starter rods bent into floor at 600mm.

EXTERIOR WALLS

Plaster Stucco on Hardibacker and Corro-netting.

BRICK ON WEST WALLS OF UNITS 2+3.
ALSO WEST AND PART SOUTH WALLS OF UNIT 4.
FOUR WALLS OF UNIT 1 ABOVE EXISTING BLOCKWORK
TO BE BRICK.

Page 2.

HARDFILL

To be river gravel compacted with Vibrator roller.

FLOORS

To be 100mm concrete laid on .250 polythene damp course, with 668 mesh steel included.

SOFFITS

As shown on plan 4.5mm Hardiflex and Jointers.

CARPENTER AND JOINER

DAMP PROOF COURSE

Under and/or between all timbers in contact with concrete lay a 3 ply malthoid or similar damp proof course. All materials to be used of their respective kind available.

SCHEDULE OF TIMBERS

<u>BOTTOM PLATES</u>	100 x 50 and 75 x 50
<u>TOP PLATES</u>	100 x 50 and 75 x 50
<u>STUDS</u>	100 x 50 and 75 x 50
<u>OPENING STUDS</u>	2/100 x 50
<u>WALL BRACING</u>	Metal bracing
<u>DWANGS</u>	100 x 50 and 75 x 50 two rows
<u>TRIMMERS OVER WINDOWS</u>	100 x 50 for 1200 opening 150 x 100 for 1800 opening 200 x 100 for 2400 opening 250 x 100 for 3000 opening

LININGS

Gib. board throughout kitchen, dining room, toilet, lounge, hall and bedrooms, cornice fitted to all.

Shower to be Hardiglaze wallboard or similar.

Bathroom to be lined with Gib. Aqualine.

WALL PLATES

To be in long lengths thickened.

STUDS

All studs shall be true and spaced at 600 crs. and double nailed to plates with 100mm nails.

BRACING

Brace wall where necessary using metal bracing in flush on the diagonal as near 45 degrees angle as it is practicable.

ROOF

Frame roof as shown on the plan. Securely nailed to plates and walls. Allow the ends of the rafters to be cut off plumb to receive fascia spouting stratco, or clip fast, or similar.

ROOFING

To be Corrugated Colour Zinalume fixed to manufacturers specifications with ridging to match.

LININGS

Are to be specified in the schedule. Gib Board shall be tightly nailed with 30mm galv. Clouts with heads punched only sufficiently for stopping. Stop all nail holes, joints flush and leave surfaces smooth and true and free from blemishes ready for paint.

INSULATION

To be R2:0 batts in ceilings, R1.8 to walls.

HARDWARE

A P.C. sum of \$300.00 to be allowed per house.

JOINERY

WINDOWS

To be Aluminium to codes shown.

DOORS

All interior doors flush panel type in paint quality ply, hung on 3/90mm A.C.L.P. butts. Frames to be customwood grooved for gib with 30mm x 10mm stops.

WARDROBE DOORS

Customwood hinged by *JOINER*.

JOINERY

To be as shown on plan. Door and window frames to be grooved to take lining. All window frames to be treated pine.

WARDROBES

To be 2.100mm high with 400mm wide shelf, fit in 25mm galv. Hanger rods.

MOULDINGS ETC.

Fit to all rooms 65mm short bevel skirting, neatly mitred to external angles and scribed to floors and internal angles. Also fit Slimangle mould to external corners. All finishing timbers shall be thoroughly dry, hand dressed and sanded to a smooth finish. Scotia to be 30mm x 12mm bevelled. All moulding to be M.D.F.

PLUMBER

PROVIDE AND FIX IN POSITION

One stainless steel tub and timber cabinet. Note smaller size. One porcelain WC pan complete with plastic seat hinged lid and flushing cistern per house.

One 180 litre hot water cylinder complete with element and thermostat (Element 2,000 watt) and pressure valve.

A shower is to be provided. An equal low pressure shower mixer is to be fitted. Control valve is to be separate from, and not positioned directly under shower rose. A high capacity shower outlet is to be fitted, Purus brand or similar. Shower rose bracket.

All fittings shall be completed with necessary waste pipes, traps, plugs, chains etc.

Run cold water from supply to one tap over basin, sink, tub.

All internal hot water reticulation shall be in 20mm pipe.

Cold water reticulation shall be serviced in 12mm pipe.

Chrome plated taps shall be provided in required sizes in kitchen, bathroom and laundry and W.C.

HOT WATER SYSTEM

Houses to have a ceiling supply tank with a minimum capacity of 135 litres installed in conjunction with a 180 litre hot water cylinder.

→ UNITS 2+3
STANDARD SIZE.
UNIT 1
NO TUB UNIT 14.

SHOWER OVER BOTH UNIT 14.

Page 4.

The hot water cylinder should be located within 4m of the kitchen sink outlet.

A heat reducing valve, Taco brand or similar, is to be fitted to all hot water reticulation systems for safety purposes.

Supply and fit two brass taps one each at front north and rear south of house respectively and connect to the cold water supply.

Storm water from downpipes shall be conducted to point shown on site plan.

Allow drainage pipes and dispose of the household waste to borough sewer.

All plumbing and drainage work to be carried out according to the By-Laws of the Local Bodies and to the requirements of Drainage Regulations.

The plumber to take out the necessary permits with the Local Body.

DRAINLAYER

To lay all sewer drain and stormwater drains.

PAINTER AND DECORATOR

The materials for painting, paperhanging etc., shall be of first grade quality in their respective lines. Before each coat of paint or varnish is applied, work must be sand papered down to a smooth surface.

Sufficient time shall be given between coats to allow the previous coats to thoroughly dry and harden.

EXTERIOR WORK

All exterior work shall be given two coats of paint, colour to owner's approval.

INTERIOR WORK

All rooms and passage to be painted, also insides of wardrobes. Interior finishing timbers where painting is not specified shall receive one coat of stain, then all nail holes and imperfections shall be neatly stopped with suitably coloured putty, flushed level and excess putty wiped off, then to receive semi gloss varnish. All glass, hand basin and W.C. pedestal etc., shall be left clean at completion of job.

CEILINGS

To receive three coats of approved paint.

ELECTRICIAN

* This work is to be carried out by a registered wireman and to comply with the relevant regulations. Wire the houses for electricity and leave mains ready for connection by the supply authority.

PROVIDE AND FIX

One range, 4 plate, supplied by the builder.

10 pendant type lights complete with globes and shades per house.

2 outside type lights complete with globes and shades per house.

11 double three pin heat points.

Allow for connection to electric range and to element and thermostat.

Allow for T.V. aerial,

1 - 2000w wall heater. *SKOPJE*

Switchboard.

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FLOOR COVERING

Kitchen, laundry, bathroom and WC - Poly-floor vinyl is to be laid, includes pantry and laundry tub cupboard, coved to toe spaces.

Other rooms - Where concrete floor - carpet is to 100% wool berber loop pile heavy duty carpet. It is to be fixed by direct stick method. Wardrobe and linen cupboard to be carpeted.

FOOTPATHS

To be concrete where shown on site plan.

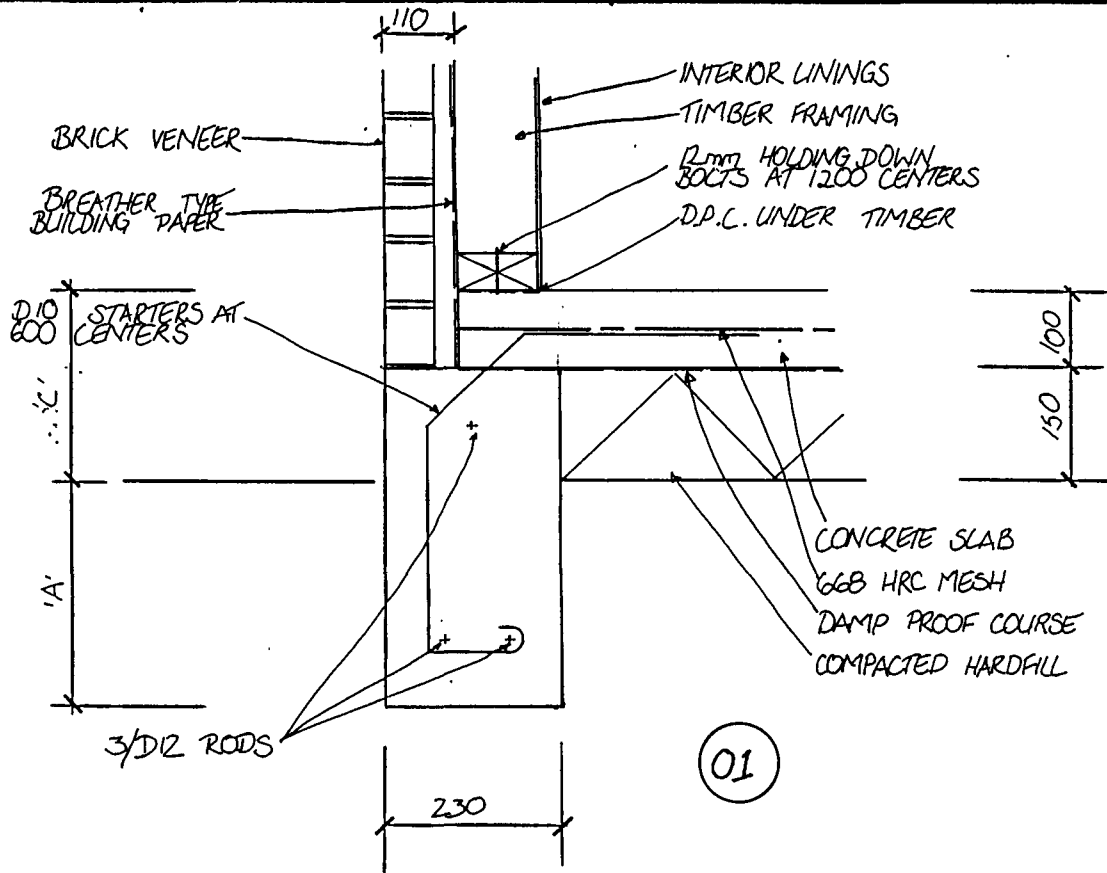
CLOTHESLINE

Where shown on site plan.

LETTER BOX

On front boundary.

Maintenance period 30 days from possession.



01

DIMENSION 'A':

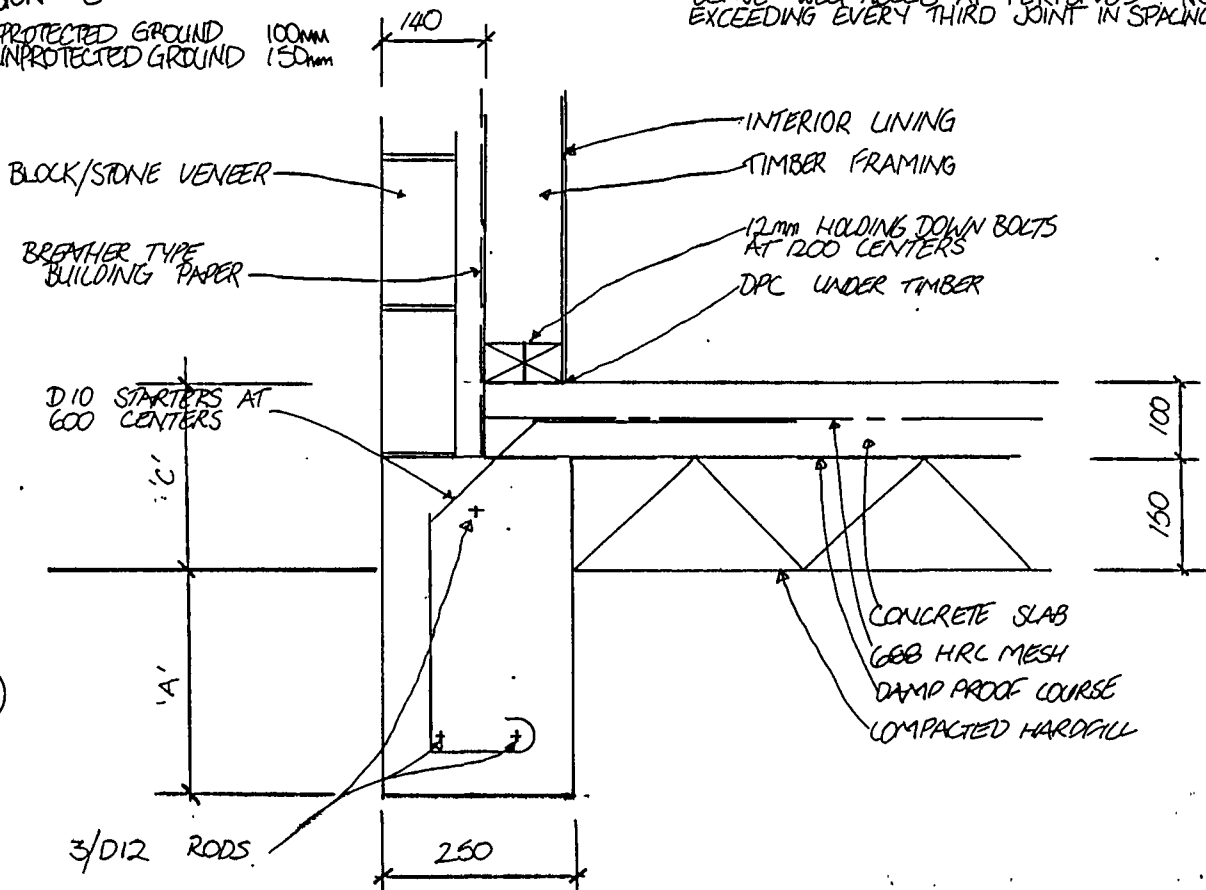
- FIRM ROCK = 150mm
- EXPANSIVE CLAY = 450mm
- ELSEWHERE = 300mm

DIMENSION 'C':

- ABOVE PROTECTED GROUND = 100mm
- ABOVE UNPROTECTED GROUND = 150mm

NOTE:

- HOT DIP GALVANISED WALL TIES TO BE SPACED AT 600mm CENTERS HORIZONTALLY AND EVERY 4TH COURSE VERTICALLY.
- LEAVE WEEP HOLES AT PERPENDS, NOT EXCEEDING EVERY THIRD JOINT IN SPACING.



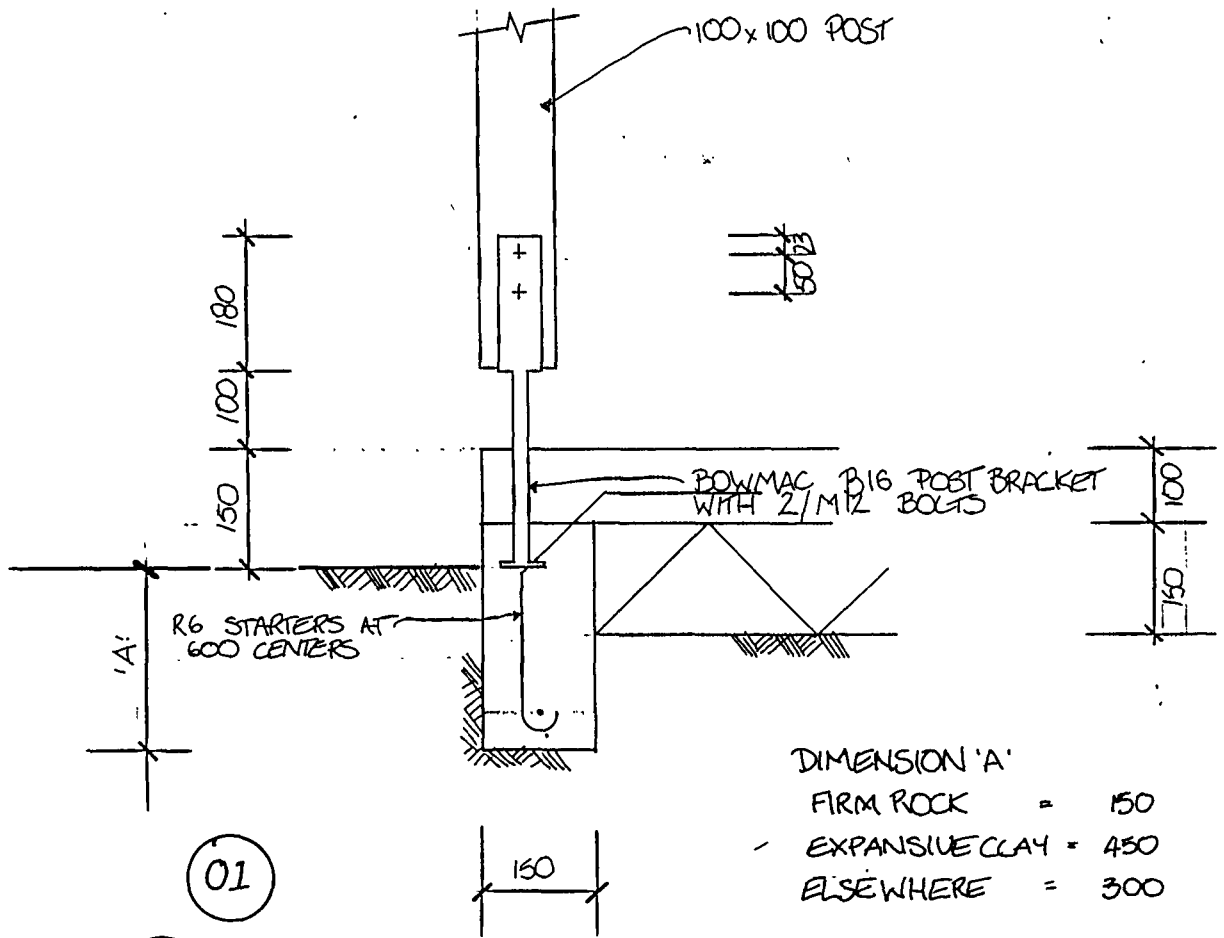
02

PLANS & QUOTES
25 GOODMAN ST
BLENHEIM
PHONE/FAX (03) 5776753

DATE
9/11/94
DRAWN
T.M.E.

FOUNDATION DETAILS
CONCRETE FLOOR - MASONRY VENEER

FD BY
01,02



01

02

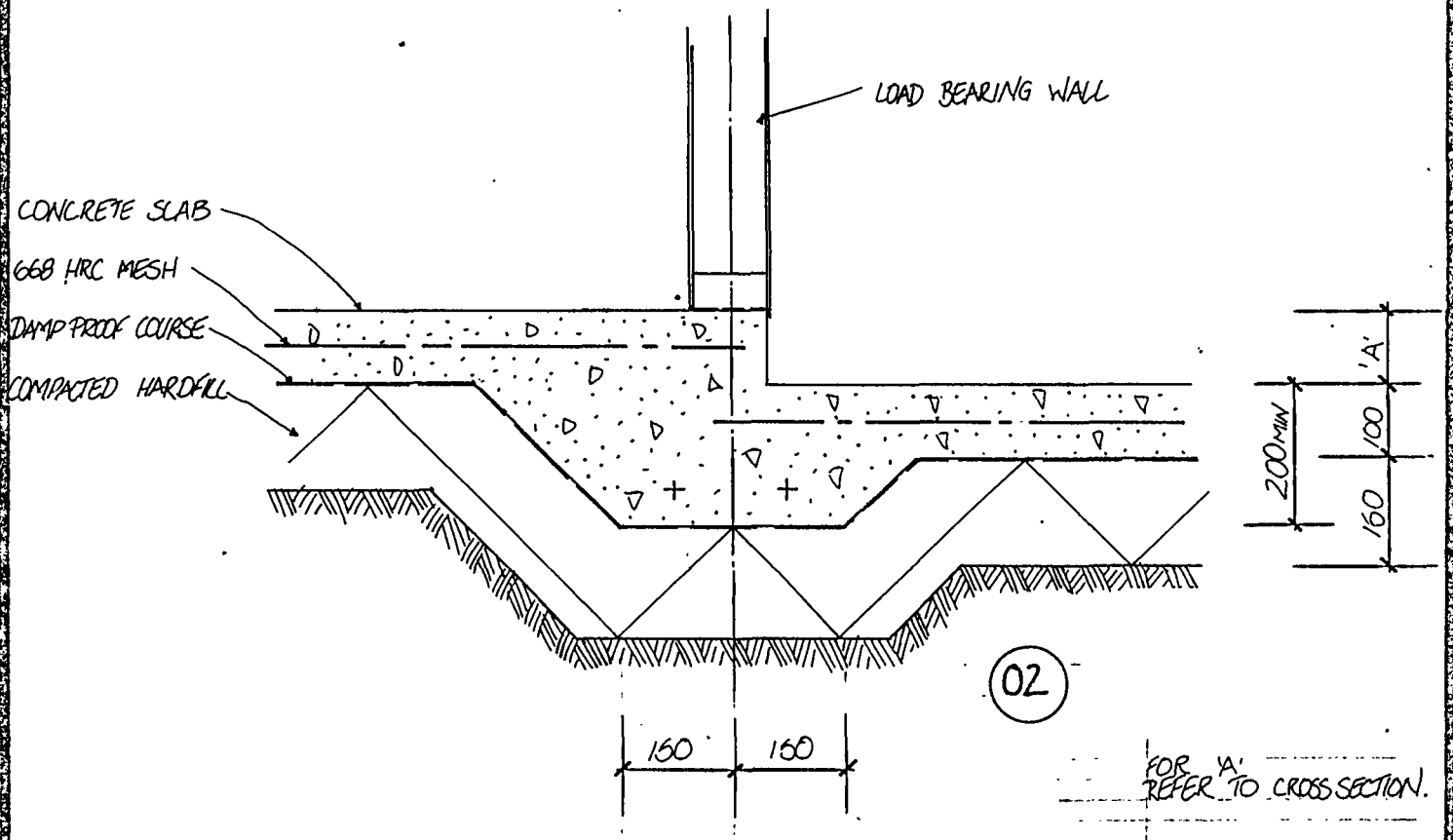
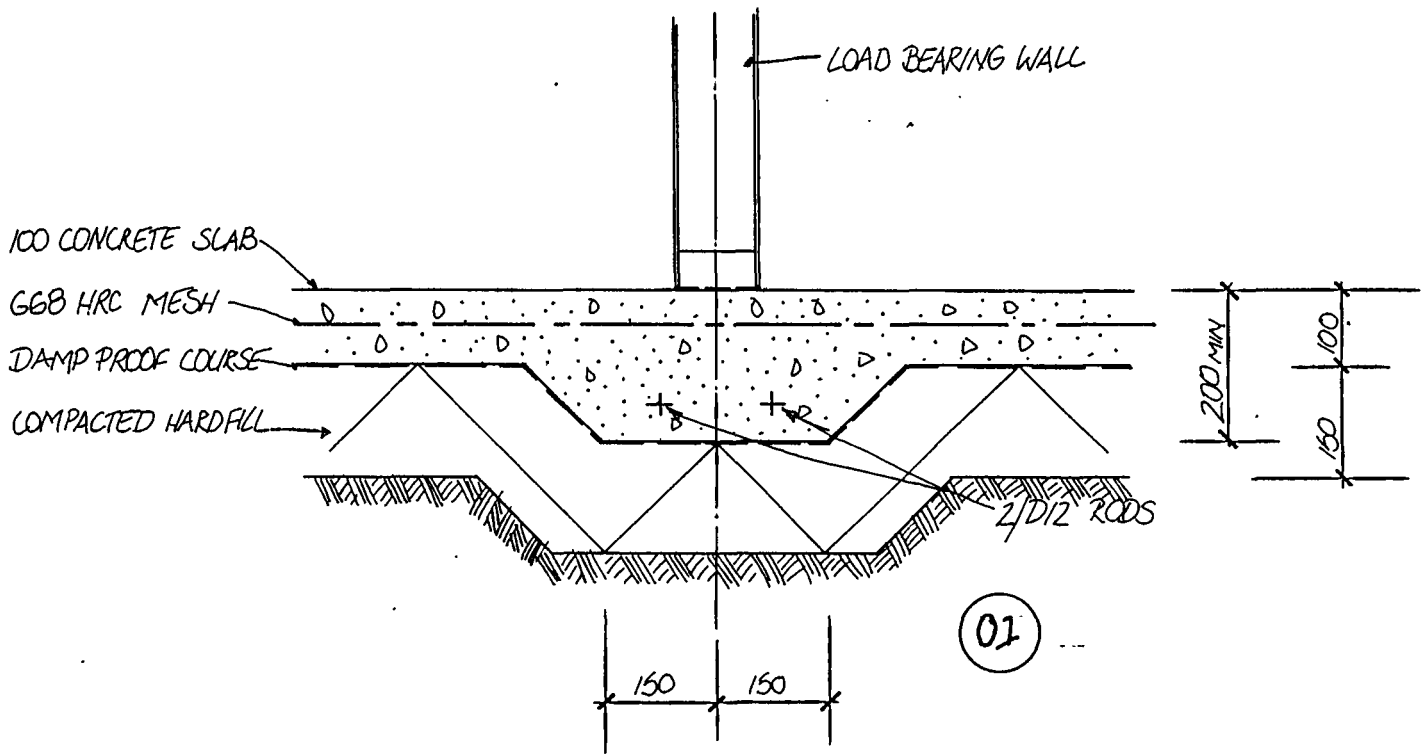
AS FOR 01 - WITHOUT POST.

PLANS & QUOTES
 25 GOODMAN ST
 BLENHEIM
 PHONE: 07 577 7533

DATE
 31/3/95
 DRAWN
 T.M.E.

FOUNDATION DETAILS
 CONCRETE TERRACE SLAB

FD TS
 01,02

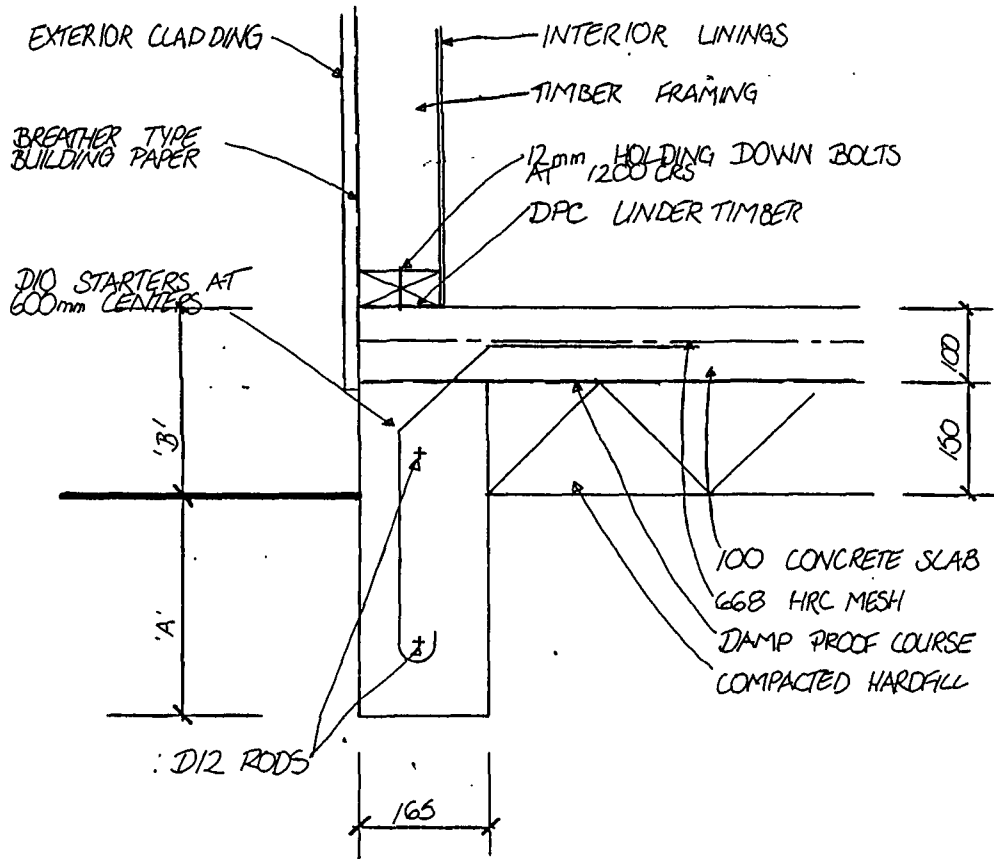


PLANS & QUOTES
 25 GOODMAN ST
 BLENHEIM
 PHONE/FAX (03) 5776753

DATE
 9/11/94
 DRAWN

FOUNDATION DETAILS
 INTERNAL LOAD BEARING WALL
 CONC

FD-LB
 01, 02



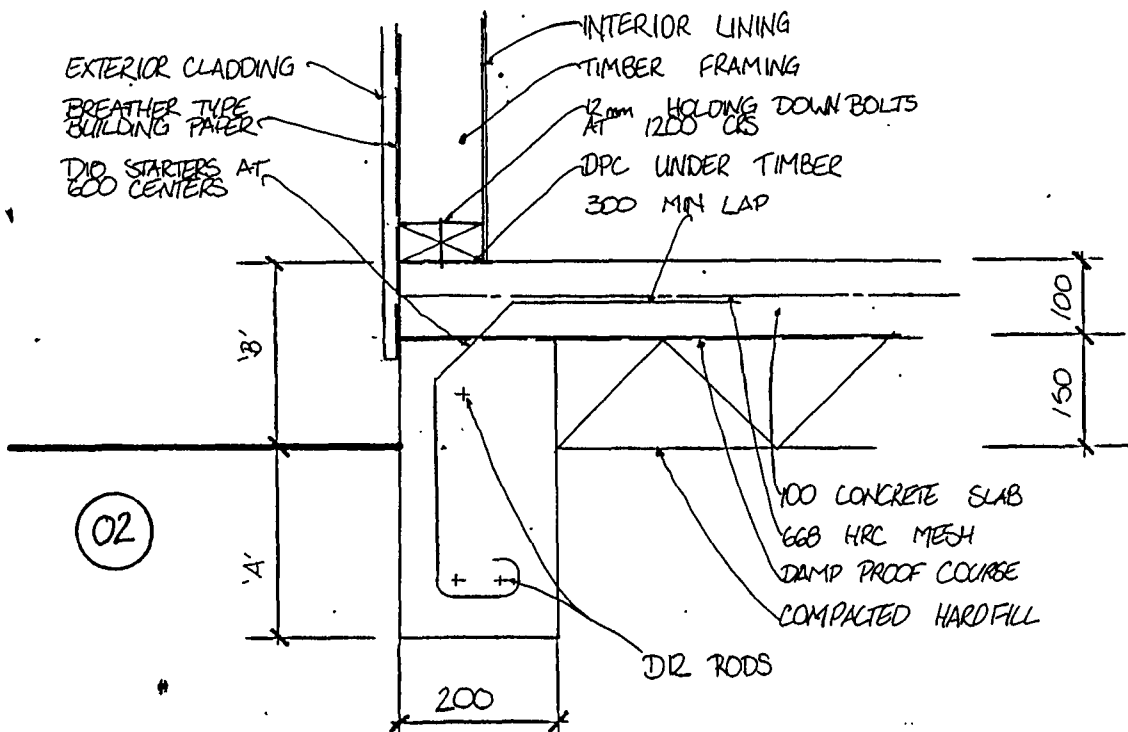
DIMENSION 'A'

- FIRM ROCK = 150
- EXPANSIVE CLAY = 450
- ELSEWHERE = 300

DIMENSION 'B'

- ABOVE PROTECTED GROUND = 150
- ABOVE UNPROTECTED GROUND = 225

01



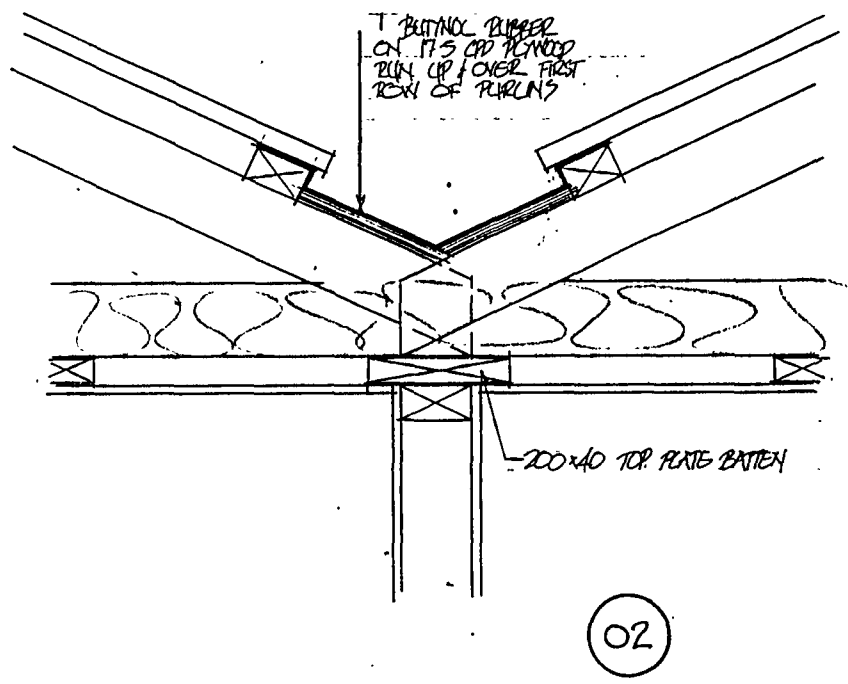
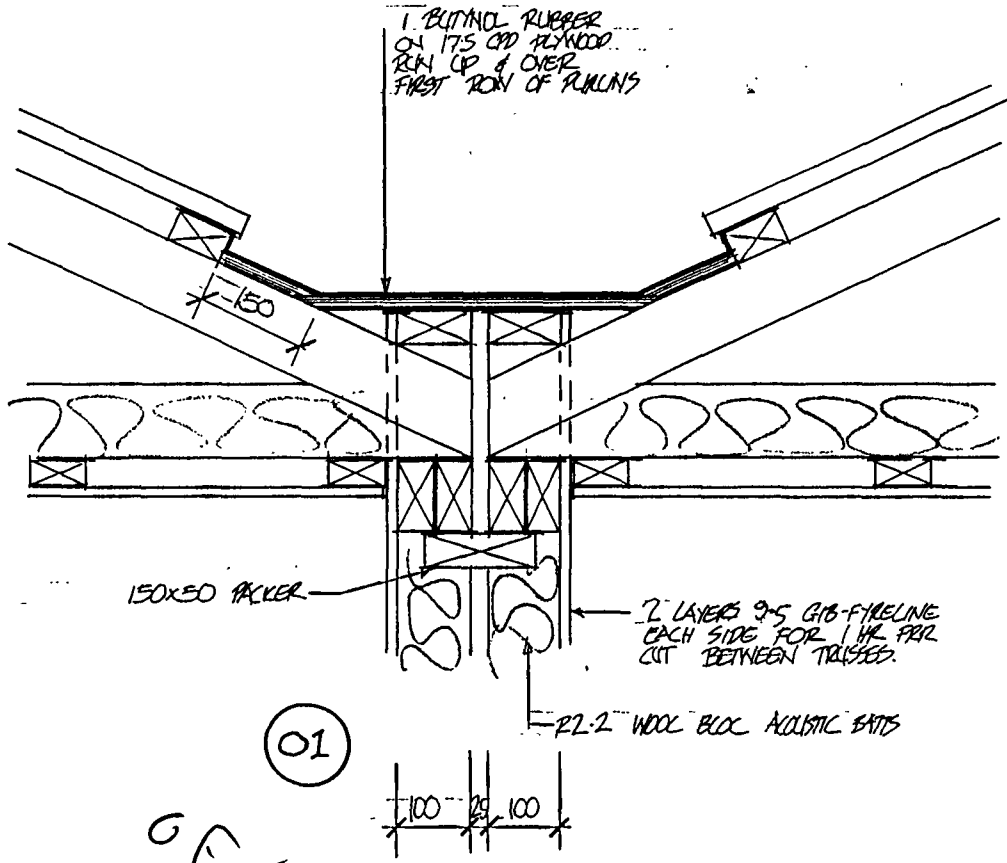
02

PLANS & QUOTES
 25 GOODMAN STREET
 BLENHEIM
 PHONE/FAX 577 6753

DATE
 9/11/94
 DRAWN
 TME

FOUNDATION DETAILS
CONCRETE FLOOR - SHEET CLADDING

FD SC
 01, 02



PLANS & QUOTES
 25 GOODMAN STREET
 BLENHEIM
 2ND FL - FAX: (03) 5776753

DATE: 8/3/04
 DRAWN: 1167

INTERNAL GUTTER DETAILS

GD-1801,02

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Wall Bracing Calculation Sheet A

Job Details

box 1

Name W.P. CAMPBELL LTD
 Street and Number MARY GRACE PLACE (UNIT A)
 Lot and DP Number _____
 City/Town/District PUNNETT
 Location of Storey: single/upper of two/lower of two
 Building height to apex 3.8 m Roof weight light/heavy
 Roof height above eaves 1.6 m Cladding weight light/heavy
 Stud height 2.4 m Room in roof space y/n
 Average roof pitch 10
 Building length BL = 8.0 m Gross Building
 Building width BW = 7.5 m Plan Area, GPA = 66 m²

Note: When the average roof pitch is over 25 degrees, use the eaves length and width to determine BL and BW.
Note: For heavy roofs use the roof plan at eaves level to determine GPA.

Wind Zone

box 2

Region: R1 0 1 Terrain: Inland Coastal Exposure: Sheltered Exposed Topography: Gentle Moderate Extreme

Total points 0
 Wind zone: Low (0) Medium (1) High (2) Very high (3) Specific Design (4)

Earthquake zone

box 3

From figure EQ1 select Earthquake Zone: A B C

BUs required Wind

box 4

From Table W1A/W1B
 W along = 32 BUs/m
 W across = 28 BUs/m
 Total wind load,
 W ALONG:
 W along x BW = 247.5 BUs
 W ACROSS
 W across x BL = 246.4 BUs

BUs required Earthquake

box 5

From Table EQ1
 E = 4.6 BUs/m²
 Note: For a room in the roof space use E+1
 Total earthquake load,
 EQ ALONG and EQ ACROSS:
 E x GPA BUs = 300.6 BUs



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Wall Bracing Calculation Sheet B

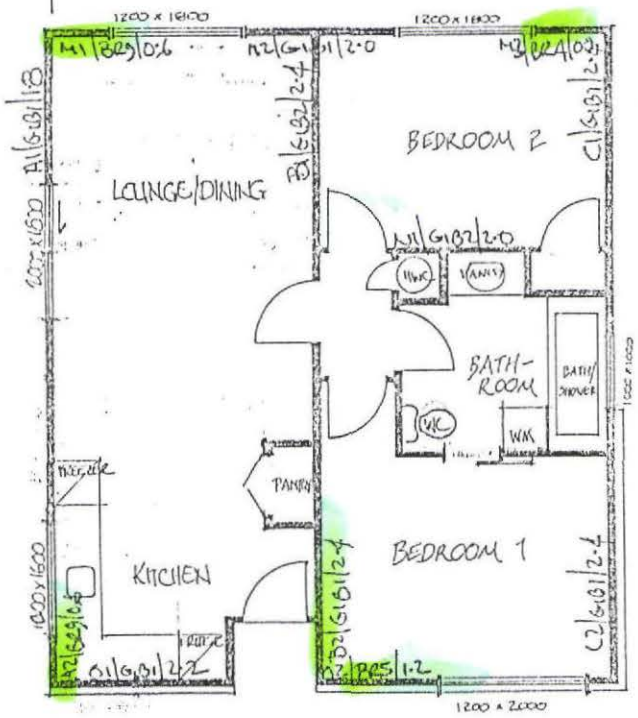
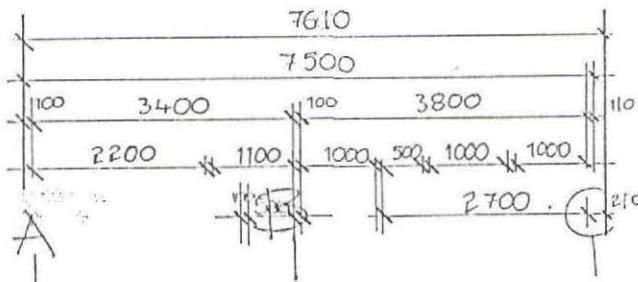
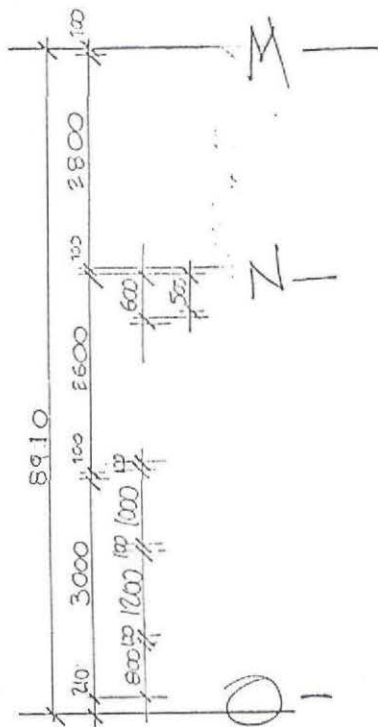
Along

Wall or Bracing Line		Bracing Elements Provided			Wind		Earthquake	
1	2	3	4	5	6 W	7 W	6 E	7 E
Line Label	Minimum BUs Required	Bracing Element No.	Bracing Type	Length Element (m) L	Rating BU/m W	BUs Achieved (BU/m x L) W	Rating BU/m E	BUs Achieved (BU/m x L) E
A	88	A1	G1B1	1.8			50	90
		A2	B2.9	0.6			95	57
B	70	B1	G1B2	2.4			70	168
		B2	G1B1	2.4			50	120
C	88	C1	G1B1	2.4			50	120
		C2	G1B1	2.4			50	120
D								
E								
Totals Achieved					W		E	
From Sheet A		Totals Required			W	247.5	E	303.6
Wreq/Ereq =		0.8						

*If Wreq/Ereq is 1 or less complete E column only
 If Wreq/Ereq is 1.5 or more complete W column only
 Otherwise complete both W and E

Across

Wall or Bracing Line		Bracing Elements Provided			Wind		Earthquake	
1	2	3	4	5	6 W	7 W	6 E	7 E
Line Label	Minimum BUs Required	Bracing Element No.	Bracing Type	Length Element (m) L	Rating BU/m W	BUs Achieved (BU/m x L) W	Rating BU/m E	BUs Achieved (BU/m x L) E
M	75	M1	B2.9	0.6			95	57
		M2	G1B1	2.0			50	100
		M3	B2.4	0.9			85	76.5
N	70	N1	G1B2	2.0			60	120
O	75	O1	G1B1	2.2			50	110
		O2	B2.5	1.2			85	102
P								
Q								
Totals Achieved					W		E	565.5
From Sheet A		Totals Required			W	246.4	E	303.6
Wreq/Ereq =		0.8						



UNIT 4 PLAN
SCALE 1 : 700

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Wall Bracing Calculation Sheet A

Job Details

box 1

Name W.R CAMPBELL LTD
 Street and Number MARY GRACE PLACE (UNITS 2 & 3)
 Lot and DP Number _____
 City/Town/District BLENHEIM
 Location of Storey: single/upper-of-two/lower-of-two
 Building height to apex 3.9 m Roof weight light/heavy
 Roof height above eaves 1.6 m Cladding weight light/heavy
 Stud height 2.4 m Room in roof space y/n
 Average roof pitch 20°
 Building length BL = 21.5 m Gross Building _____
 Building width BW = 9.1 m Plan Area, GPA = 136 m²

Note: When the average roof pitch is over 25 degrees, use the eaves length and width to determine BL and BW.
Note: For heavy roofs use the roof plan at eaves level to determine GPA.

Wind Zone

box 2

Region: R1 0 Terrain: Inland Exposure: Sheltered Topography: Gentle
 R2 1 Coastal 1 Exposed 1 Moderate 1 Extreme 3

Total points 9
 Wind zone: Low (0) _____ Very high (3)
 _____ Medium (1) _____ Specific Design (4)
 _____ High (2)

Earthquake zone

box 3

From figure EQ1 select Earthquake Zone: (A) B C

BU's required Wind

box 4

From Table W1A/W1B
 W along = 32 BU's/m
 W across = 18 BU's/m
 Total wind load,
 W ALONG:
 W along x BW = 297 BU's
 W ACROSS
 W across x BL = 602 BU's

BU's required Earthquake

box 5

From Table EQ1
 E = 4.6 BU's/m²
 Note: For a room in the roof space use E+1
 Total earthquake load,
 EQ ALONG and EQ ACROSS:
 E x GPA BU's = 625.6 BU's



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Wall Bracing Calculation Sheet B

Along

Wall or Bracing Line		Bracing Elements Provided			Wind		Earthquake	
1	2	3	4	5	6 W	7 W	6 E	7 E
Line Label	Minimum BUs Required	Bracing Element No.	Bracing Type	Length Element (m) L	Rating BU/m	BUs Achieved (BU/m x L)	Rating BU/m	BUs Achieved (BU/m x L)
					W	W	E	E
A	48	A1	CP5	1.2			100	120
		A2	CP5	1.2			100	120
B	215	B1	CP5	1.2			100	120
		B2	BR9	0.6			100	57
		B3	G1B1	1.8			100	30
C	70	B4	G1B1	1.8			100	30
		B5	BR9	0.6			100	57
		B6	CP5	1.2			100	120
D	68	C1	G1B2	2.4			100	168
		C2	G1B2	2.4			100	168
E	80	D1	BR9	0.6			100	57
		D2	BR9	0.6			100	57
		E1	BR9	0.8			100	76
		E2	BR9	0.8			100	76
Totals Achieved					W		E	1576
From Sheet A		Totals Required			W	297	E	1625.6
Wreq/Ereq =		0.5						

*If Wreq/Ereq is 1 or less complete E column only
 If Wreq/Ereq is 1.5 or more complete W column only
 Otherwise complete both W and E

Across

Wall or Bracing Line		Bracing Elements Provided			Wind		Earthquake	
1	2	3	4	5	6 W	7 W	6 E	7 E
Line Label	Minimum BUs Required	Bracing Element No.	Bracing Type	Length Element (m) L	Rating BU/m	BUs Achieved (BU/m x L)	Rating BU/m	BUs Achieved (BU/m x L)
					W	W	E	E
M	20	M1	CP5	1.2			100	120
		N1	G1B1	2.4			100	120
		N2	G1B1	2.4			100	120
		O1	G1B1	2.4			100	120
N	80	O2	G1B2	2.4			100	168
		P1	G1B1	2.4			100	120
O	70	P2	G1B1	2.4			100	120
		Q1	G1B1	2.4			100	120
P	70	Q2	G1B2	2.4			100	168
		R1	G1B1	2.4			100	120
Q	70	R2	G1B1	2.4			100	120
		S1	CP5	1.2			100	120
Sub	80							
	20							
Totals Achieved					W		E	1536
From Sheet A		Totals Required			W	602	E	1625.6
Wreq/Ereq =		0.36						





UNIT 3 PLAN
SCALE 1:100

UNIT 2 PLAN
SCALE 1:100

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Wall Bracing Calculation Sheet A

Job Details

box 1

Name W.R. CAMPBELL LTD
 Street and Number MARY GRACE PLACE (Unit 1)
 Lot and DP Number _____
 City/Town/District BUSBYHEIM
 Location of Storey: single/upper of two/lower of two
 Building height to apex 3.8 m Roof weight light/heavy
 Roof height above eaves 1.6 m Cladding weight light/heavy
 Stud height 1.35 m Room in roof space y/n
 Average roof pitch 20°
 Building length BL = 9.2 m Gross Building _____
 Building width BW = 7.6 m Plan Area, GPA = 69 m²

Note: When the average roof pitch is over 25 degrees, use the eaves length and width to determine BL and BW.
Note: For heavy roofs use the roof plan at eaves level to determine GPA.

Wind Zone

box 2

Region: R1 0 1 Terrain: Inland 0 1 Exposure: Sheltered 0 1 Topography: Gentle 0 1
 R2 1 Coastal 1 Exposed 1 Moderate 1 Extreme 3
 Total points 9
 Wind zone: Low (0) Very high (3)
 Medium (1) Specific Design (4)
 High (2)

Earthquake zone

box 3

From figure EQ1 select Earthquake Zone: A B C

BUs required Wind

box 4

From Table W1A/W1B
 W along = 32 BUs/m
 W across = 18 BUs/m
 Total wind load,
 W ALONG:
 W along x BW = 250.8 BUs
 W ACROSS
 W across x BL = 257.6 BUs

BUs required Earthquake

box 5

From Table EQ1
 E = 4.6 BUs/m²
 Note: For a room in the roof space use E+1
 Total earthquake load,
 EQ ALONG and EQ ACROSS:
 E x GPA BUs = 322 BUs



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Wall Bracing Calculation Sheet B

Along

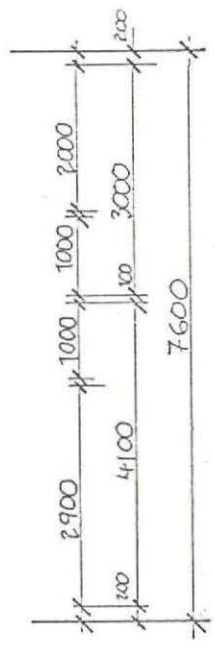
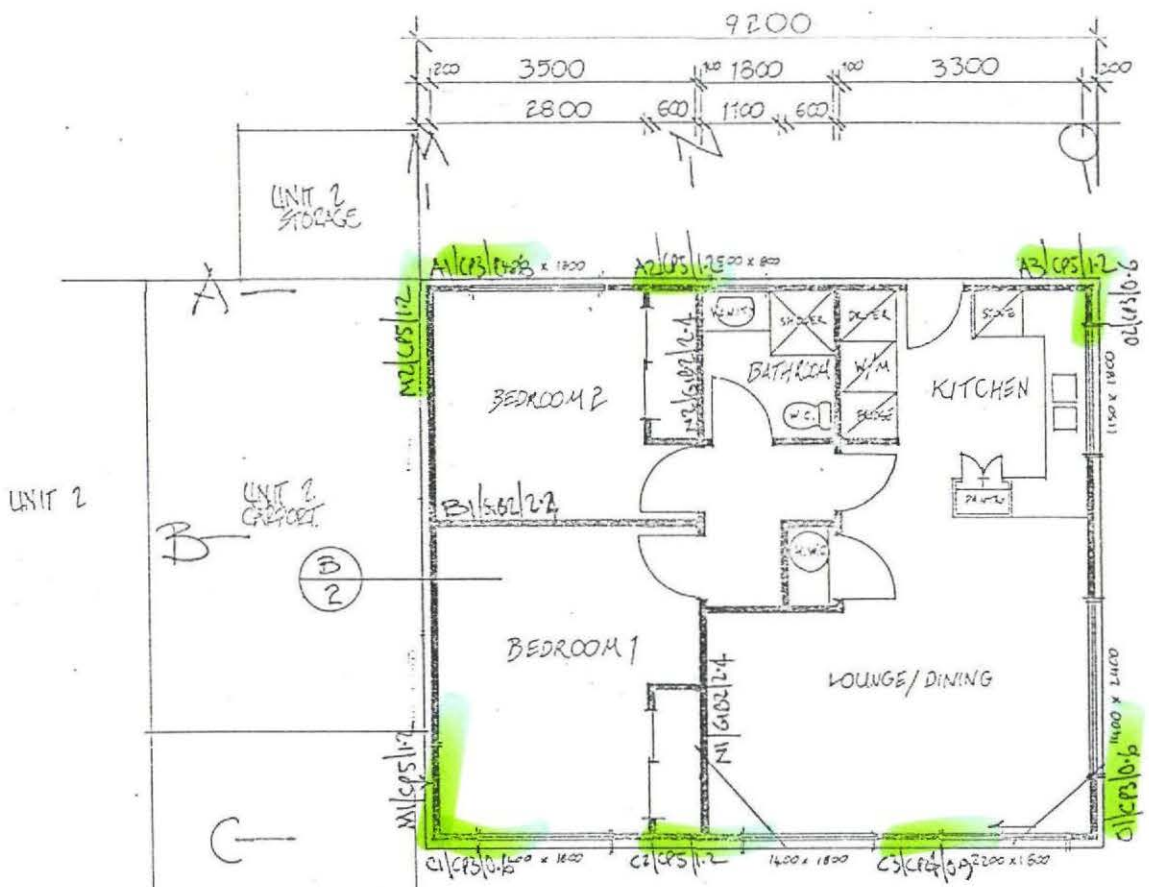
Wall or Bracing Line		Bracing Elements Provided			Wind		Earthquake	
1	2	3	4	5	6 W	7 W	6 E	7 E
Line Label	Minimum BUs Required	Bracing Element No.	Bracing Type	Length Element (m) L	Rating BU/m	BUs Achieved (BU/m x L)	Rating BU/m	BUs Achieved (BU/m x L)
					W	W	E	E
A	92	A1	CP3	0.6			85x133	68
		A2	CP5	1.2			100x133	159
		A3	CP5	1.2			100x133	159
B	70	B1	G1B2	2.4			70	168
C	100	C1	CP3	0.6			85x133	68
		C2	CP5	1.2			100x133	159
		C3	CP4	0.9			95x133	115
D								
E								
Totals Achieved					W		E	894
From Sheet A		Totals Required			W	250.8	E	322
Wreq/Ereq =		0.8						

*If Wreq/Ereq is 1 or less complete E column only
 If Wreq/Ereq is 1.5 or more complete W column only
 Otherwise complete both W and E

Across

Wall or Bracing Line		Bracing Elements Provided			Wind		Earthquake	
1	2	3	4	5	6 W	7 W	6 E	7 E
Line Label	Minimum BUs Required	Bracing Element No.	Bracing Type	Length Element (m) L	Rating BU/m	BUs Achieved (BU/m x L)	Rating BU/m	BUs Achieved (BU/m x L)
					W	W	E	E
M	76	M1	CP5	1.2			100x133	159
		M2	CP5	1.2			100x133	159
N	100	N1	G1B2	2.4			70	168
		N2	G1B2	2.4			70	168
O	100	O1	CP3	0.6			85x133	68
		O2	CP3	0.6			85x133	68
P								
Q								
Totals Achieved					W		E	490
From Sheet A		Totals Required			W	257.6	E	322
Wreq/Ereq =		0.8						





UNIT 2

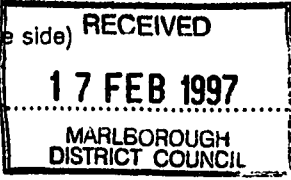
LINING THIS WALL WITH
 1 LAYER 12.5 GGB-
 FIBREGLASS EACH SIDE
 OF FRAMING. CONTINUE
 AROUND COVER A
 MINIMUM OF 500MM
 AT EACH END.

UNIT 1 PLAN
 SCALE 1:100

ACENZ
NZIA
IPENZ
LOGO

PRODUCER STATEMENT - DESIGN

(Guidance notes on the use of this form are printed on the reverse side)



ISSUED BY: Doreen M Cronarty
(Suitably qualified Design Professional)

TO: W.R. Campbell
(Owner)

IN RESPECT OF: Housing units
(Description of Building Work)

AT: May Grace Place
Blenheim
(Address)

LOT 1 DP 9586 SO

DM Cronarty has been engaged by owner
(Design Firm) (Owner/Developer/Contractor)

to provide Verification of existing foundations services in respect of the
(Extent of Engagement)

requirements of Clause(s) B1 & B2 of the Building Regulations 1992 for

All Part only as specified

of the building work. The design has been prepared in accordance with
(verification method/acceptable solution)

of the approved documents issued by the Building Industry Authority and the work is described on
Plans & Quotes drawings titled Housing units
(Design Firm)

and numbered sheets 1 & 2 and the specification and other documents according to what the building is proposed to be constructed.

As an independent design professional covered by a current policy of Professional Indemnity Insurance to a minimum value of \$200,000, I BELIEVE ON REASONABLE GROUNDS that subject to:

(i) the verification of the following design assumptions

and (ii) all proprietary products meeting the performance specification requirements, the drawings, specifications, and other documents according to which the building is proposed to be constructed comply with the relevant provisions of the building code.

DM Cronarty
(Signature suitably qualified Design Professional)

Date: 20.12.96

BE. M. PENZ
(Professional Qualification)

ERA/AERB Reg No. 3787

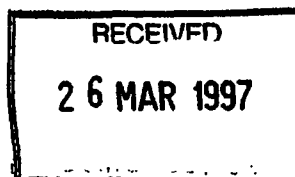
105A Budget St - Bl
(Address)

Member ACENZ
IPENZ NZIA

TRUSS DESIGN CRITERIA

Customer name : CAMPBELL .W.R.
GOODMAN ST
BLENHEIM

Site address : MARY GRACE PL
BLENHEIM

**DESIGN CRITERIA**

Roofing - Corrugated Iron
Ceiling - Gib Board (9.5mm)
Top chord restraints - 900 mm
Bottom chord restraints - 600 mm
Standard truss spacing - 900 mm
Standard roof pitch - 20.00 deg

Design wind speed - 37 m/s
Region - n/a
Terrain category - n/a
Building height - 3 m
Shielding Classification - n/a
Topographic Classification - n/a
Internal pressure coefficient - 0.3
Snow Load (U.L.S.) - 169 Pa

The truss designs for this job have been determined using computer software provided by the Technical Division within Pryda Truss Systems. These designs are in accordance with sound and widely accepted engineering principles and comply with the following New Zealand Standards:-

NZ4203 : 1992 General Structural Design and Design Loadings for Buildings
NZ3603 : 1993 Timber Design
AS1649 : 1974 Determination of Basic Working Loads for Metal Fasteners for Timber

These trusses should be erected and braced in accordance with the recommendations shown in Pryda Systems Roof Truss Erection Manual.

Fabricator name : **McVICAR TIMBER GROUP**

We confirm that the trusses for this project have been manufactured in accordance with the specifications provided by Pryda Truss Systems.

Signed :  _____

Date : 26/3/97

McVICAR TIMBER GROUP

(On beam with BRIDGEWOOD STEEL 10)

Ph (03) 578-6129 Fax 578-2872

4:49pm 25 MAR 97

PAGE 2

TRUSS REACTIONS REPORT

Job Ref: 850

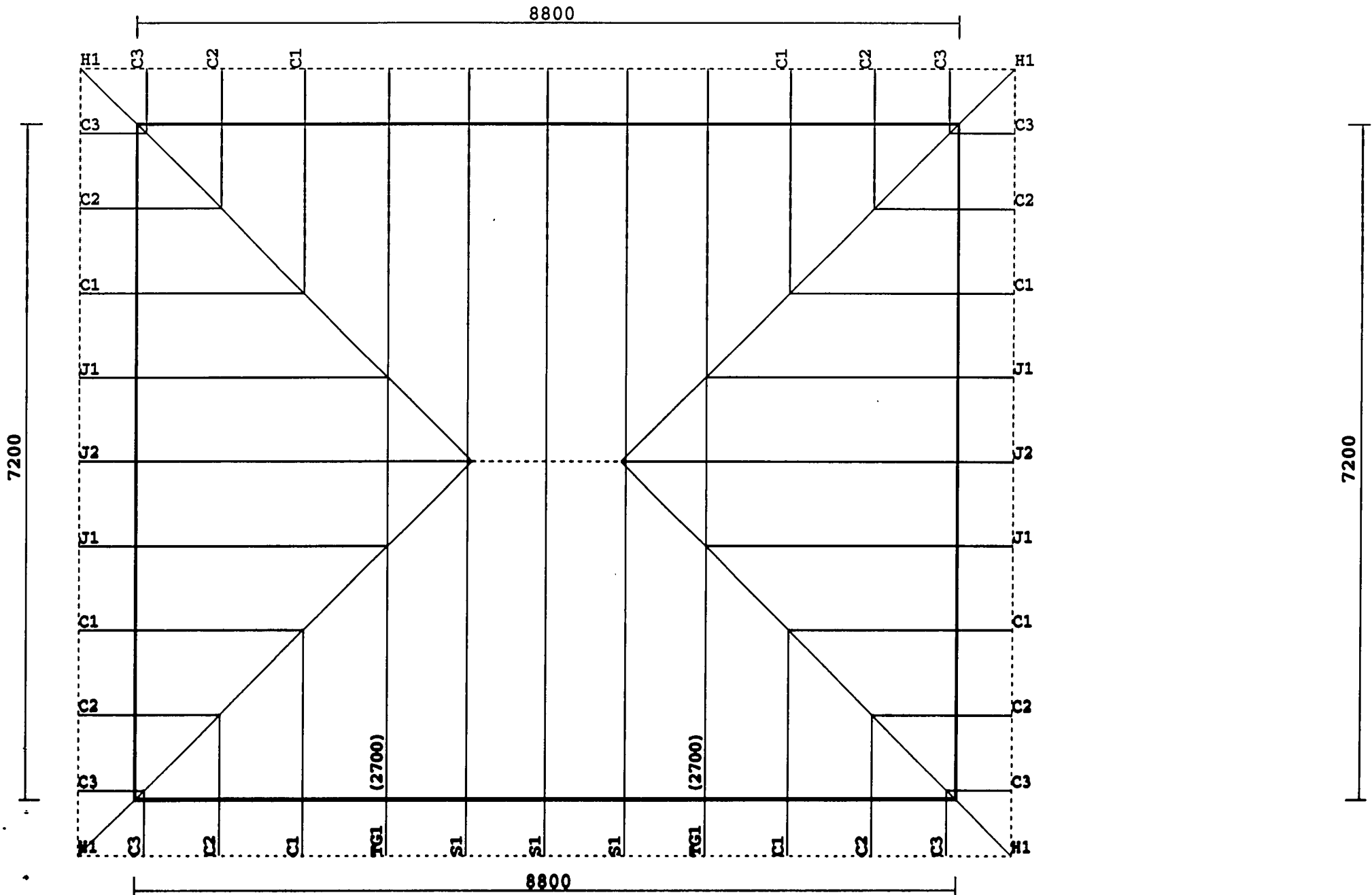
Customer: **CAMPBELL .W.R.**
GOODMAN ST
BLLENHEIM

Site Addr: **MARY GRACE PL**
BLLENHEIM

O/N : **UNIT 1**

Date Reqd:

Truss Mark	Support at Joint	Dead (1.4D) (kN)	Max.Reaction (1.2D+1.6L) (kN)	Uplift (0.9D-WUp) (kN)	Uplift fixing	Special Note
S1	1	1.3	2.5	-2.3		
S1	4	1.3	2.5	-2.3		
TG1	1	2.4	4.4	-4.2		
TG1	4	2.4	4.4	-4.2		
H1	1	0.7	1.2	-1.0		
H1	3	0.9	1.5	-1.2		



Pryda truss systems	Customer: CAMPBELL .W.R. Site Address: MARY GRACE PL : BLENHEIM	Roofing: Corrugated Iron Pitch : 20.00 deg Spacing: 900 mm	Job Ref: 850
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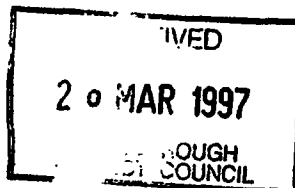
PRODUCER STATEMENT

Job Ref: 850C

TRUSS DESIGN CRITERIA

Customer name : CAMPBELL .W.R.
GOODMAN ST
BLenheim

Site address : MARY GRACE PL
BLenheim

**DESIGN CRITERIA**

Roofing - Corrugated Iron
Ceiling - Gib Board (9.5mm)
Top chord restraints - 900 mm
Bottom chord restraints - 600 mm
Standard truss spacing - 900 mm
Standard roof pitch - 20.00 deg

Design wind speed - 37 m/s
Region - n/a
Terrain category - n/a
Building height - 3 m
Shielding Classification - n/a
Topographic Classification - n/a
Internal pressure coefficient - 0.3
Snow Load (U.L.S.) - 169 Pa

The truss designs for this job have been determined using computer software provided by the Technical Division within Pryda Truss Systems. These designs are in accordance with sound and widely accepted engineering principles and comply with the following New Zealand Standards:-

NZ4203 : 1992 General Structural Design and Design Loadings for Buildings
NZ3603 : 1993 Timber Design
AS1649 : 1974 Determination of Basic Working Loads for Metal Fasteners for Timber

These trusses should be erected and braced in accordance with the recommendations shown in Pryda Systems Roof Truss Erection Manual.

Fabricator name : **McVICAR TIMBER GROUP**

We confirm that the trusses for this project have been manufactured in accordance with the specifications provided by Pryda Truss Systems.

Signed :  _____

Date : 26/3/97

McVICAR TIMBER GROUP

(On Area with HULLBOROUGH STRIKE 10)

Ph (03) 578-6329 Fax 578-2872

5:46pm 26 MAR 97

PAGE 2

TRUSS REACTIONS REPORT

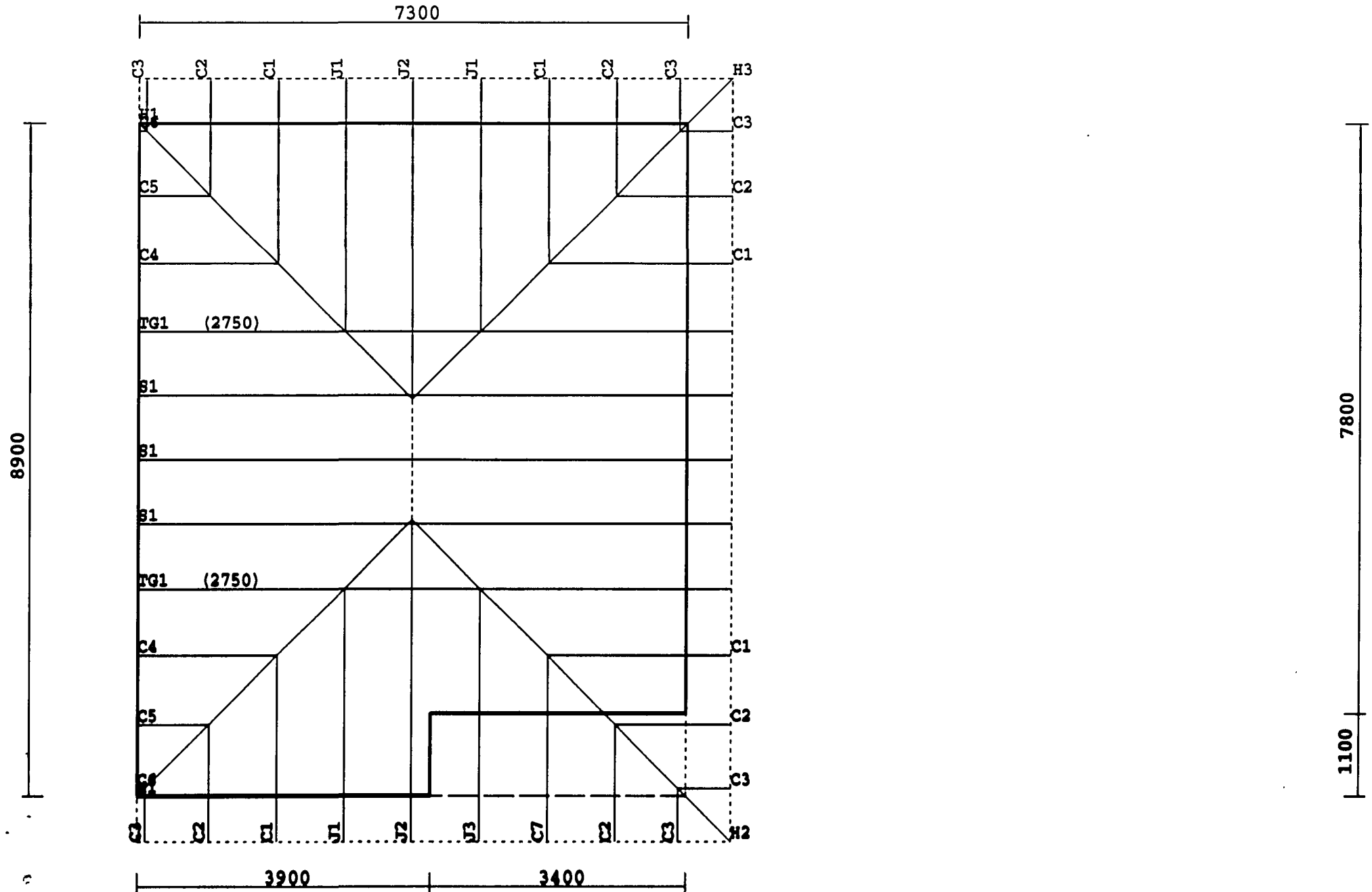
Job Ref: 850C

Customer: CAMPBELL .W.R.
GOODMAN ST
BLENHEIMSite Addr: MARY GRACE PL
BLENHEIM

O/N : UNIT 2

Date Reqd:

Truss Mark	Support at Joint	Dead (1.4D) (kN)	Max.Reaction (1.2D+1.6L) (kN)	Uplift (0.9D-WUp) (kN)	Uplift fixing	Special Note
S1	1	1.2	2.2	-1.9		
S1	4	1.3	2.5	-2.3		
TG1	1	2.3	4.2	-3.8		
TG1	4	2.5	4.6	-4.3		
H1	1	0.5	0.8	-0.5		
H1	3	0.8	1.3	-1.0		
H2	2	0.8	1.4	-0.9		
H2	3	0.4	0.8	-0.7		
H3	1	0.7	1.3	-1.0		
H3	3	0.9	1.5	-1.2		



Pryda
Truss
systems

Customer: CAMPBELL .W.R.
Site Address: MARY GRACE PL
: BLENHEIM

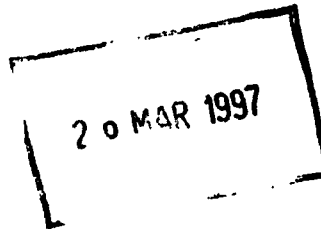
Roofing: Corrugated Iron
Pitch : 20.00 deg
Spacing: 900 mm

Job Ref:
850C

TRUSS DESIGN CRITERIA

Customer name : **CAMPBELL .W.R**
GOODMAN ST
BLLENHEIM

Site address : **MARY GRACE PL**
BLLENHEIM

**DESIGN CRITERIA**

Roofing - Corrugated Iron
Ceiling - Gib Board (9.5mm)
Top chord restraints - 900 mm
Bottom chord restraints - 600 mm
Standard truss spacing - 900 mm
Standard roof pitch - 20.00 deg

Design wind speed - 37 m/s
Region - n/a
Terrain category - n/a
Building height - 3 m
Shielding Classification - n/a
Topographic Classification - n/a
Internal pressure coefficient - 0.3
Snow Load (U.L.S.) - 169 Pa

The truss designs for this job have been determined using computer software provided by the Technical Division within Pryda Truss Systems. These designs are in accordance with sound and widely accepted engineering principles and comply with the following New Zealand Standards:-

NZ4203 : 1992 General Structural Design and Design Loadings for Buildings
NZ3603 : 1993 Timber Design
AS1649 : 1974 Determination of Basic Working Loads for Metal Fasteners for Timber

These trusses should be erected and braced in accordance with the recommendations shown in Pryda Systems Roof Truss Erection Manual.

Fabricator name : **McVICAR TIMBER GROUP**

We confirm that the trusses for this project have been manufactured in accordance with the specifications provided by Pryda Truss Systems.

Signed :  _____

Date : 26/3/97

TRUSS REACTIONS REPORT

Job Ref: 850A

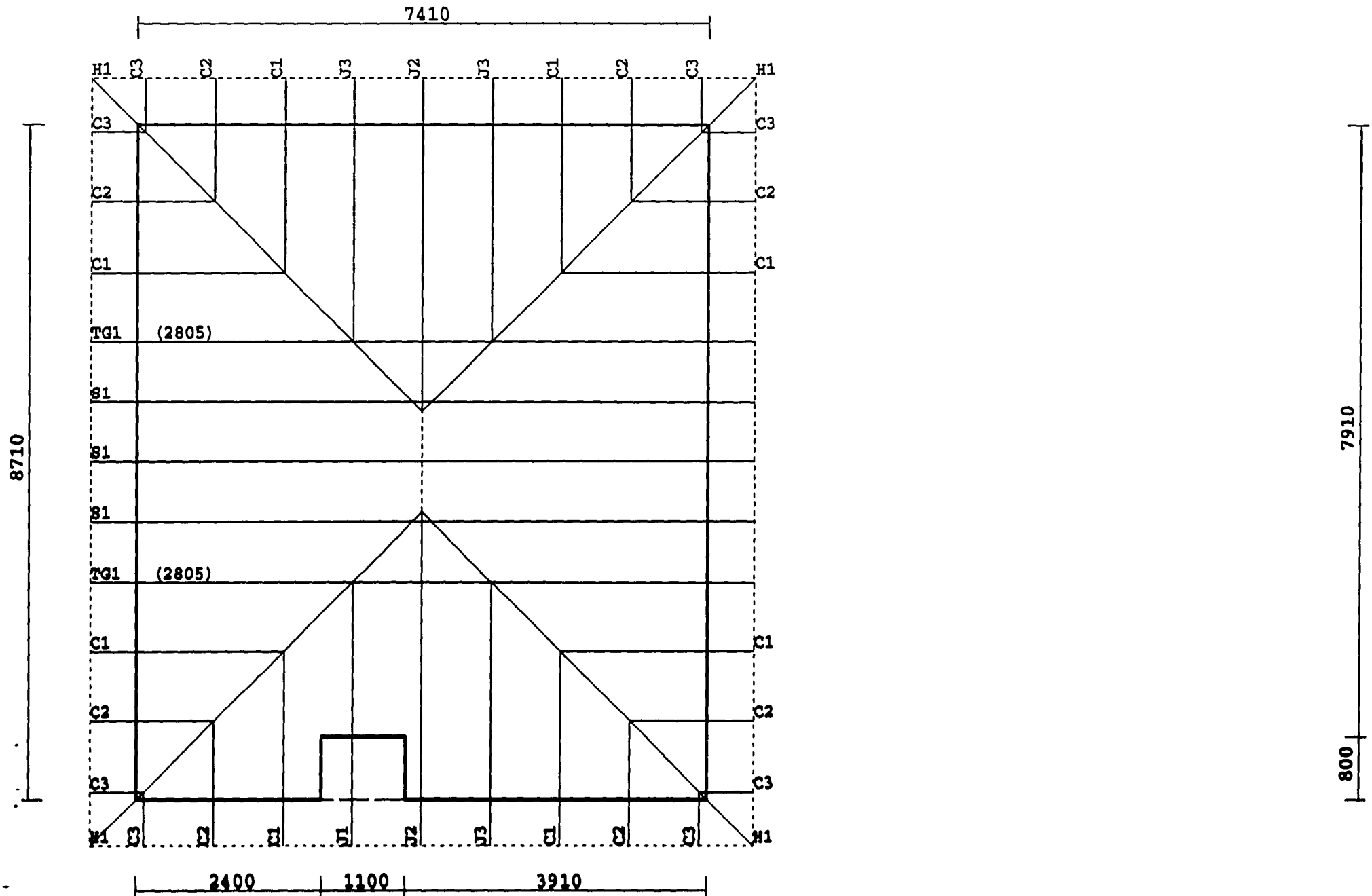
Customer: CAMPBELL .W.R
 GOODMAN ST
 BLENHEIM

Site Addr: MARY GRACE PL
 BLENHEIM

O/N : UNIT 4

Date Reqd:

Truss Mark	Support at Joint	Dead (1.4D) (kN)	Max.Reaction (1.2D+1.6L) (kN)	Uplift (0.9D-WUp) (kN)	Uplift fixing	Special Note
S1	1	1.2	2.4	-2.1		
S1	4	1.2	2.4	-2.1		
TG1	1	2.5	4.7	-4.3		
TG1	6	2.5	4.7	-4.3		
H1	1	0.7	1.3	-1.1		
H1	3	0.9	1.6	-1.3		



Pryda
truss
systems

Customer: CAMPBELL .W.R
Site Address: MARY GRACE PL
: BLENHEIM

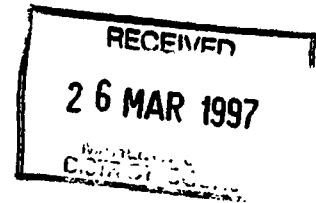
Roofing: Corrugated Iron
Pitch : 20.00 deg
Spacing: 900 mm

Job Ref:
850A

TRUSS DESIGN CRITERIA

Customer name : CAMPBELL .W.R.
GOODMAN ST
BLENHEIM

Site address : MARY GRACE PL
BLENHEIM

**DESIGN CRITERIA**

Roofing - Corrugated Iron
Ceiling - Gib Board (9.5mm)
Top chord restraints - 900 mm
Bottom chord restraints - 600 mm
Standard truss spacing - 900 mm
Standard roof pitch - 20.00 deg

Design wind speed - 37 m/s
Region - n/a
Terrain category - n/a
Building height - 3 m
Shielding Classification - n/a
Topographic Classification - n/a
Internal pressure coefficient - 0.3
Snow Load (U.L.S.) - 169 Pa

The truss designs for this job have been determined using computer software provided by the Technical Division within Pryda Truss Systems. These designs are in accordance with sound and widely accepted engineering principles and comply with the following New Zealand Standards:-

NZ4203 : 1992 General Structural Design and Design Loadings for Buildings
NZ3603 : 1993 Timber Design
AS1649 : 1974 Determination of Basic Working Loads for Metal Fasteners for Timber

These trusses should be erected and braced in accordance with the recommendations shown in Pryda Systems Roof Truss Erection Manual.

Fabricator name : **McVICAR TIMBER GROUP**

We confirm that the trusses for this project have been manufactured in accordance with the specifications provided by Pryda Truss Systems.

Signed :  _____

Date : 26/3/97

McVICAR TIMBER GROUP

(In Assn with MARLBOROUGH MITRE 10)

Ph (03) 578-6329 Fax 578-2872

5:24pm 25 MAR 97

PAGE 2

TRUSS REACTIONS REPORT

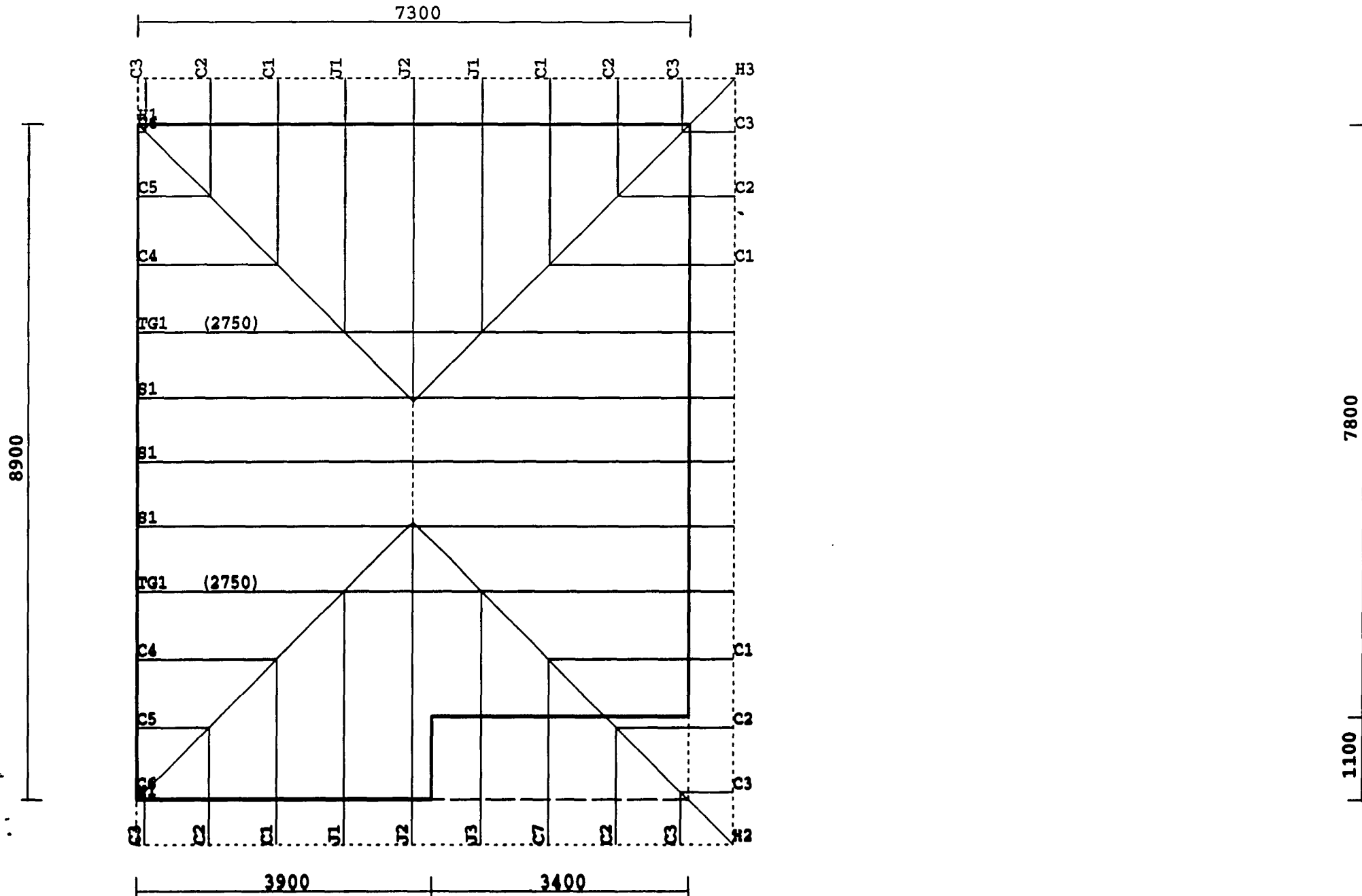
Job Ref: 850C

Customer: CAMPBELL .W.R.
GOODMAN ST
BLENHEIMSite Addr: MARY GRACE PL
BLENHEIM

O/N : Unit 3

Date Reqd:

Truss Mark	Support at Joint	Dead (1.4D) (kN)	Max.Reaction (1.2D+1.6L) (kN)	Uplift (0.9D-WUp) (kN)	Uplift fixing	Special Note
S1	1	1.2	2.2	-1.9		
S1	4	1.3	2.5	-2.3		
TG1	1	2.3	4.2	-3.8		
TG1	4	2.5	4.6	-4.3		
H1	1	0.5	0.8	-0.5		
H1	3	0.8	1.3	-1.0		
H2	2	0.8	1.4	-0.9		
H2	3	0.4	0.8	-0.7		
H3	1	0.7	1.3	-1.0		
H3	3	0.9	1.5	-1.2		



Pryda
truss
systems

Customer: CAMPBELL .W.R.
Site Address: MARY GRACE PL
: BLENHEIM

Roofing: Corrugated Iron
Pitch : 20.00 deg
Spacing: 900 mm

Job Ref:
850C

PLANS & QUOTES
 25 Goodman Street
 Blenheim
 Phone/ Fax (03) 577-6753

facsimile transmittal

To: MDC Fax: 578-6866
 From: TONY FITZPATRICK Date: 24/1/97
 Re: BILL CAMPBELL MURKIN/GRACE RACE Pages: 6
 CC: JAMIE LYALL

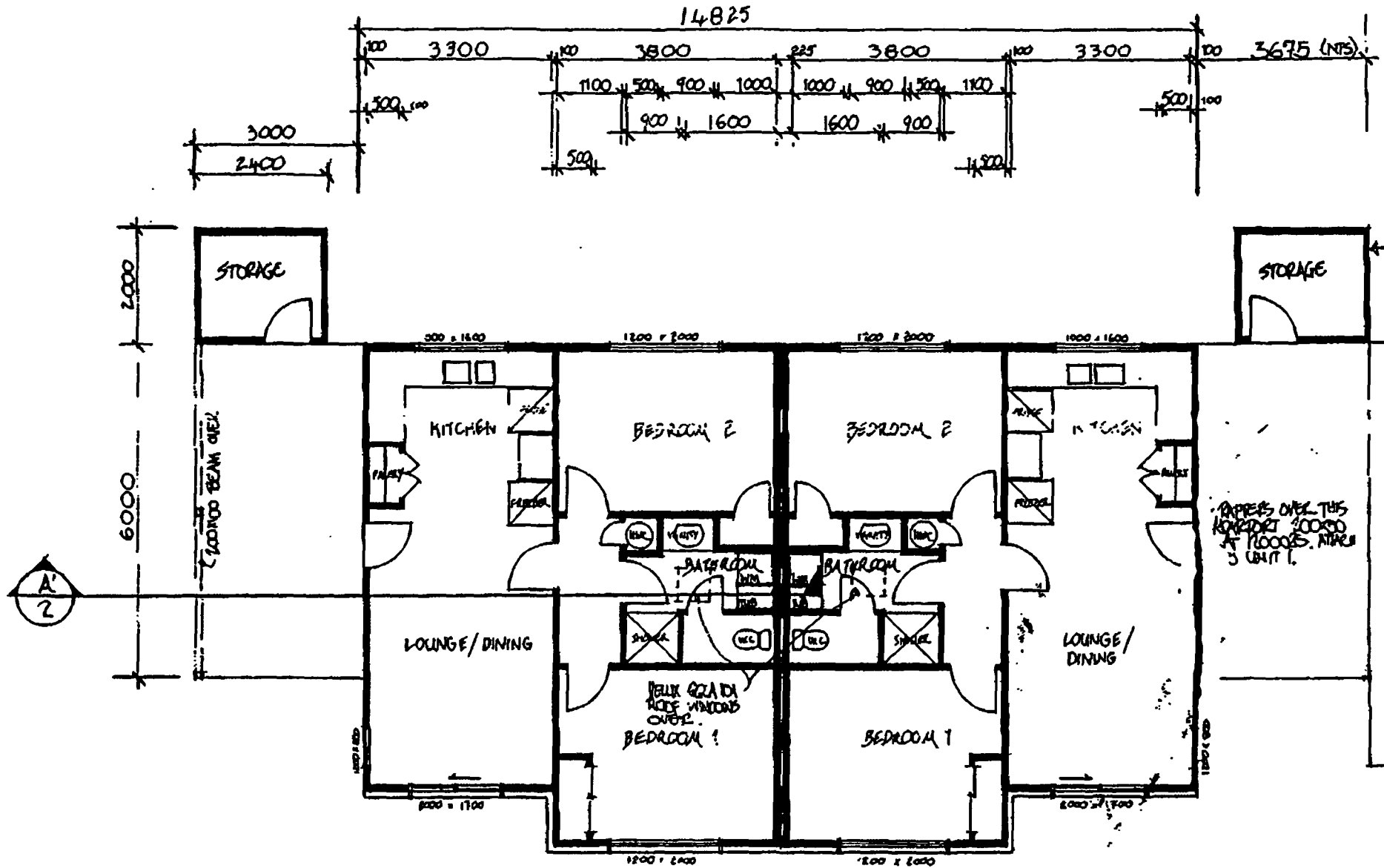
Urgent For Review Please Comment Please Reply Please Recycle

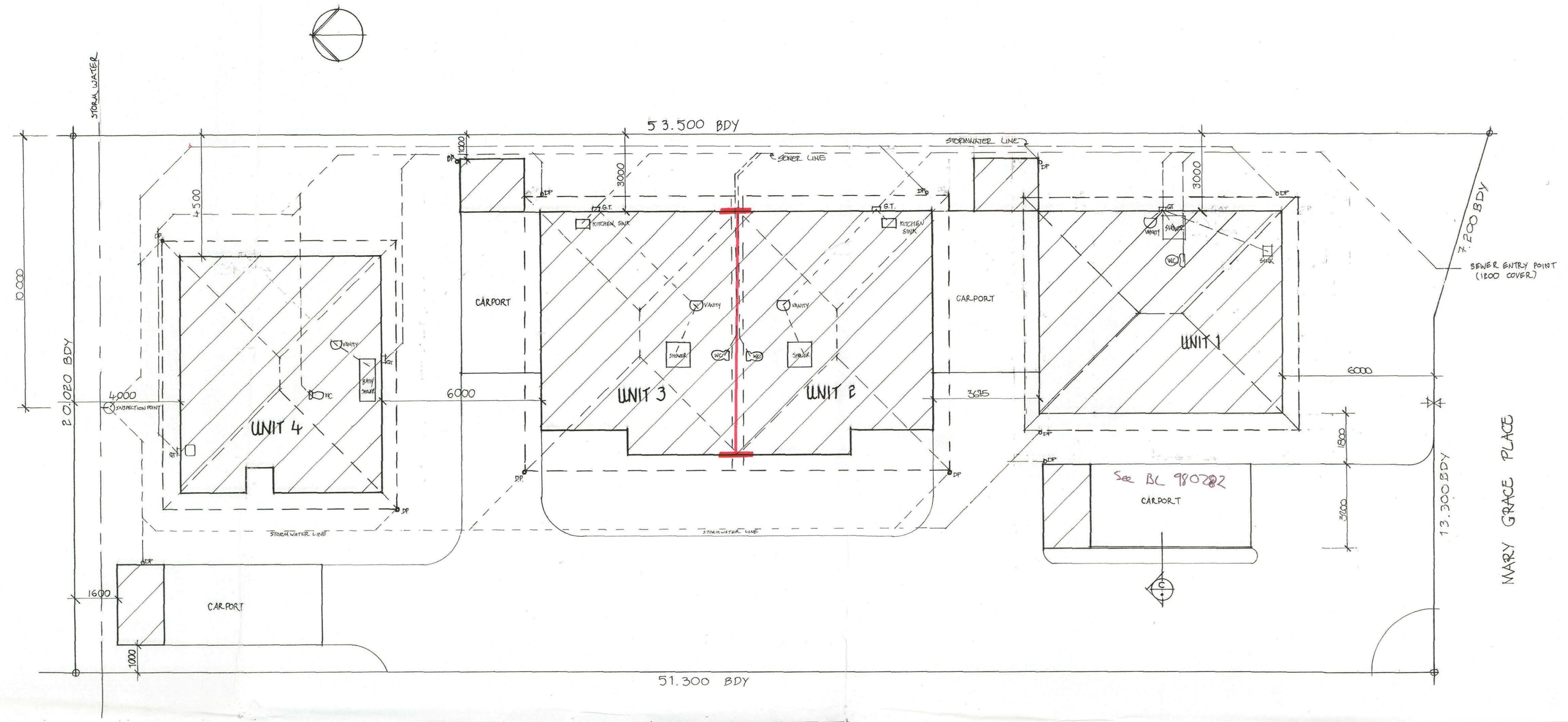
Notes:

Jamie

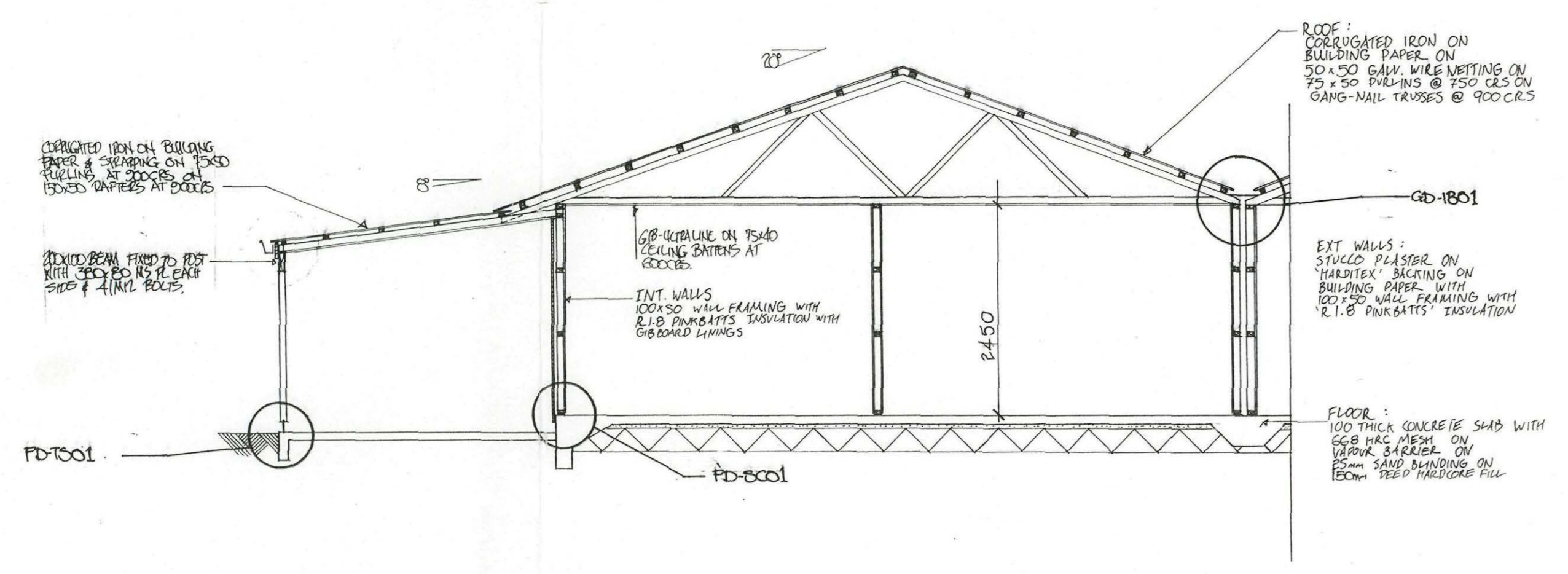
Please find following floor plan showing
 position of hand y tabs etc & ventilation to
 bathroom areas.

Tony Fitz.

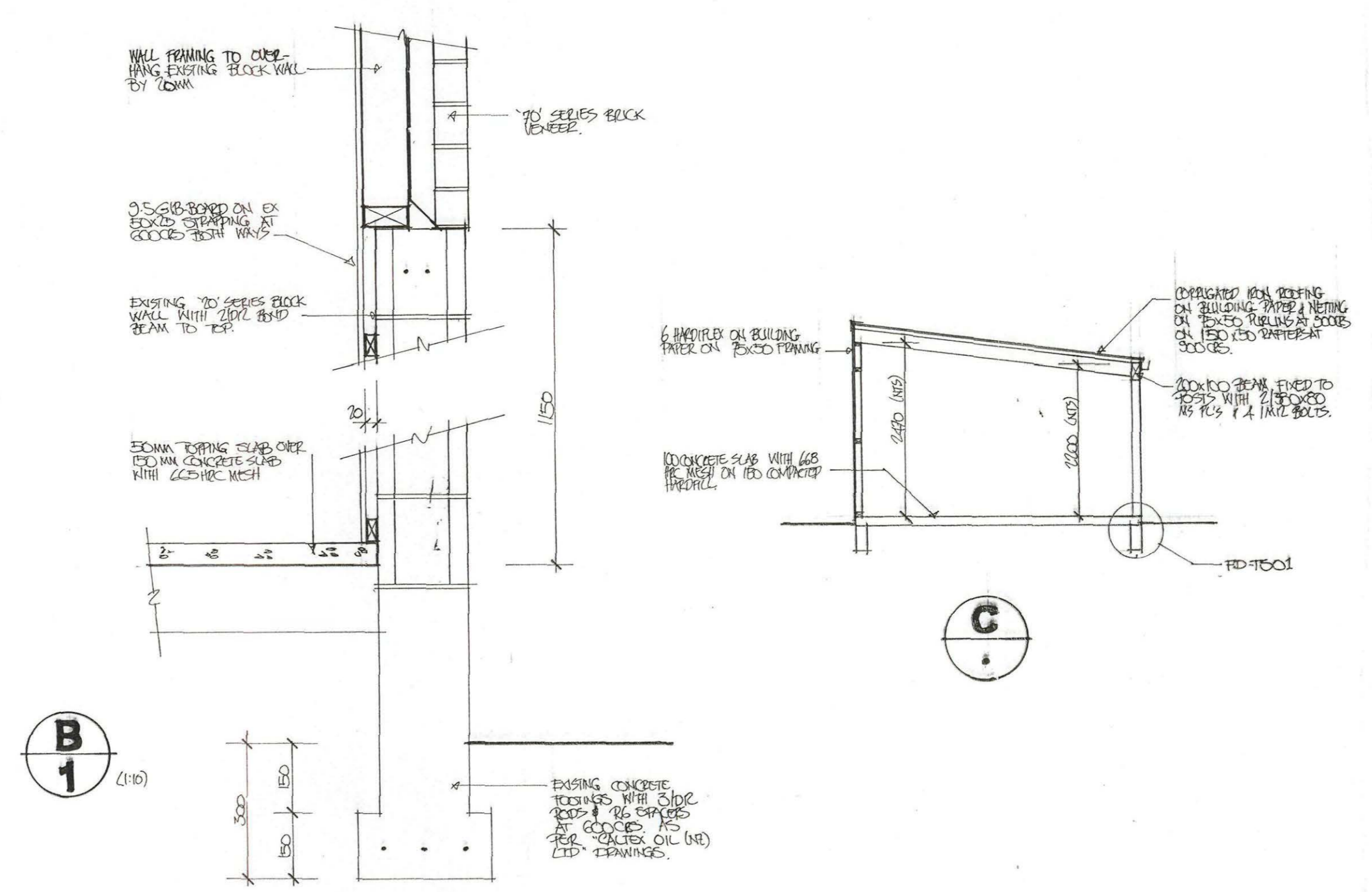




SITE & SERVICES PLAN
SCALE 1:100



CROSS-SECTION AT A-A
SCALE 1:50



B
1:10

C

UNITS FOR MR. CAMPBELL MARY GRACE PLACE BLENHEIM.	
SCALE: 1:100, 1:50, 1:10	SHEET 2 OF 2
DATE: 17 JULY 1976	DRAWN: G. WALKER
JOB No.	

PLANS & QUOTES
ARCHITECTURAL DESIGN
QUANTITY SURVEYING
TONY FITZPATRICK
PHONE (03) 577-6753, FAX (03) 577-6826

CODE COMPLIANCE CERTIFICATE

SECTION 95, BUILDING ACT 2004



**MARLBOROUGH
DISTRICT COUNCIL**

**PO Box 443, Blenheim
7240**

Phone: (03) 520 7400

Fax: (03) 520 7496

ISO9001:2000
Document Number
BCF0042-C11336

THE BUILDING		Property Reference Number	
Street address of building:	4 Mary Grace Place Blenheim	252318	252320
Legal description of land where building is located	LOT 1 DP 9594 FLAT 1, FLAT 2, FLAT 3, FLAT 4 DP 10909	252319	252321
Building name:		Building Consent Number	
Current, lawfully established, use:	3 Attached Dwellings 2 with Attached Carports, 1 detached carport & Separate Dwelling with Detached Carport	BC961144	
Maximum occupant number:	PN 252318 4 Mary Grace Place P J Collins PN 252319 4A Mary Grace Place E & L P Thoroughgood PN 252320 4B Mary Grace Place A S Agnew PN 252321 4C Mary Grace Place O F Patchett		
APPLICANT			
<p>W R Campbell Limited PO Box 878 Blenheim 7240</p>			
BUILDING WORK			
Building Consent No:	BC961144	for	
Issued by:	<input checked="" type="checkbox"/>	3 Attached Dwellings 2 with Attached Carports, 1 detached carport & Separate Dwelling with Detached Carport Marlborough District Council - Building Consent Authority	
<p><i>Contact Person:</i></p> <p><i>Postal Address:</i> PO Box 443 Blenheim 7240</p> <p><i>Phone:</i> 520 7400 <i>Fax:</i> 520 7496</p>			

CODE COMPLIANCE

MODIFICATION: Clause B2.3.1 applies from when the building work was completed in 1998 instead of time of issue of the Code Compliance Certificate.

(1) The Marlborough District Council is satisfied, on reasonable grounds, that
[✓ tick applicable option(s)]



(a) the building work complies with the building consent; and



(b) the specified systems in the building are capable of performing to the performance standards set out in the building consent.

ATTACHMENT

A copy of the following document is attached to this Code Compliance Certificate
[✓ tick if applicable]



Compliance Schedule

Signature



Position

BUILDING CONTROL GROUP LEADER

On behalf of **Marlborough District Council**

Date: 09 June 2014