

P.O. BOX 13
AMBERLEY 8251
NEW ZEALAND
TELEPHONE:
AMBERLEY [03] 314-8816
FAX: [03] 314-9181
E-MAIL: info@hurunui.govt.nz

Building Consent

Section 35, Building Act 1991

Application

H Purvis

C/O Woodland Builders Ltd

PO Box 11310, Sockburn

Christchurch

No.

030533

Issue date
26/11/03

Application date
17/11/03

Project

Description New (& prebuilt) House, Unit, Bach, Crib, Town House etc.

Being Stage 1 of an intended 1 Stages

Dwelling with attached garage

Intended Life Indefinite, but not less than 50 years

Intended Use Residential Estimated Value \$245000

Location 3 JOHNSON AVE, AMBERLEY 1726/3

Legal Description LOT 21 DP 75914 BLK VIII TEVIOTDALE SD

Valuation No. 2143015000

This building consent is a consent under the Building Act 1991 to undertake building work in accordance with the attached plans and specifications so as to comply with the provisions of the building code. It is not a consent under the Resource Management Act and does not affect any duty or responsibility under any other Act nor permit any breach of any other Act.

This building consent is issued subject to the conditions specified in the attached page(s) headed Conditions of Building Consent.

Signed for and on behalf of the Council:

Name:

Date: 26/11/03



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Conditions of Building Consent

- 1. A minimum of 24 hrs notice must be given to the Building Officer prior to any inspections.
- 2. All construction and fixings are to be in accordance with NZS 3604:1999 and the requirements of the NZ Building Code 1992 and subsequent amendments.
- 3. At least one copy of the approved plans and specifications must be kept on site at all times and made available to the Building Control Officer on request.
- 4. It is the applicant's responsibility to ensure that all buildings are located within the site in accordance with the plans submitted. We recommend you engage a surveyor if you are unsure of the boundary location.
- 5. The building is not to be located over any existing drainage lines without prior approval of the Senior Building Officer.
- 6. F7 of the New Zealand Building Code requires appropriate means of detection and warning of fire must be provided within each household unit
- 7. Under section 41 of the Building Act 1991 a building consent will lapse in 6 months from date of issue if the building works concerned have not been commenced



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Project Information Memorandum 030533

Section 31, Building Act 1991

Issued in accordance with Building Consent No. 030533

This project information memorandum is confirmation that the proposed building work may be undertaken, subject to the provisions of the Building Act 1991, and any requirements of the building consent attached.

No relevant information has been located for this property.

- 1. The construction is to withstand the following: 1) High wind speed of 44m/s 2) Earthquake zone `A` 3) Snow loading zone 4, altitude 40m.
- 2. This is a permitted activity.
- 3. Required to connect to the Amberley water and sewer schemes. Application forms enclosed.
- 4. New accessway is to comply with Rule A5.2.4(b)attached. Please note that compliance with this condition will be monitored.

1.

Signed by or for and on behalf of the Council:

Name:

Date: 26/11/03

H Purvis C/O Woodland Builders Ltd PO Box 11310, Sockburn Christchurch Customer No Date

BC030533 26/11/03

GST Reg No

53-915-477

Tax Invoice 52420

030533 : 3 JOHNSON AVE, AMBERLEY 1726/3 Dwelling with attached garage		
Consent Processing fee File establishment fee BRANZ levy B.I.A. Levy	235.00 100.00 245.00 159.25	* 0 *
Concrete inspections - foundation/floor/pile	56.25	3/5
Concrete inspections - foundation/floor/pile Pre-line inspection including plumbing	56.25 93.75	*
Plumbing and/or drainage inspection Final inspection - dwelling Planning/PIM Processing	56.25 95.00 70.00	*
(* Includes GST) BEFORE GST GST	1,064.33 102.42	
Sub Total	\$1,166.75	

Please detach and return this portion with your remittance

H Purvis

Customer No Date

BC030533 26/11/03

Invoice No

52420



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Advice of Completion of Building Work

Section 43(1), Building Act 1991

Consent Details	No. 030533
H Purvis	Issue date 26/11/03
C/O Woodland Builders Ltd PO Box 11310, Sockburn	Application date 17/11/03
Christchurch	Application date 11711700
Chiletonarch	
Project	
Description	New (& prebuilt) House, Unit, Bach, Crib, Town House etc.
	Being Stage 1 of an intended 1 Stages
	Dwelling with attached garage
Intended Life	Indefinite, but not less than 50 years
Intended Use	Residential \$245000
Estimated Value Location	3 JOHNSON AVE, AMBERLEY 1726/3
Legal Description	LOT 21 DP 75914 BLK VIII TEVIOTDALE SD
Valuation No.	2143015000
	accordingly (except where a code compliance certificate has
been issued by a building of	rtifier as stated below).
The attached particulars in	ude:
Building certificates	
A code compliance	ertificate issued by a building certifier
Producer statement	
Signed by or for and on k	
Name	
Name:	

Processing Folder **Building Department**



Valuation Number:	Confidential:	Zone:
2143015000		R.L.
Project Details		And the state of t
Applicant:	H. Purvis	
Address of Proposed Work:	3 Johnson Aug,	Amboley
	Dwelling with atta	•
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PIM	ВС	JOINT PIM / BC
Building:	PIM Date: BC Date: 26/11/2003	Signature: KBKelvetz
Usual Sphuge	plue Smoke Alaum	
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		•
	Earthquake:	Hazard:
	A	No Information
Wind:	Specific design	Flooding
Medium High	Snow loading:	Instability Filled Ground
High Very High	3 3	Public Drains
Specific design	4	Other
1	Altitude 🚜 r	m

	Signature:	
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BC Date: /	Signature:	
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File Processing Time Sheet

Building Department



ALL TIME CHARGED TO THIS BC MUST BE NOTED BELOW ON THIS FORM

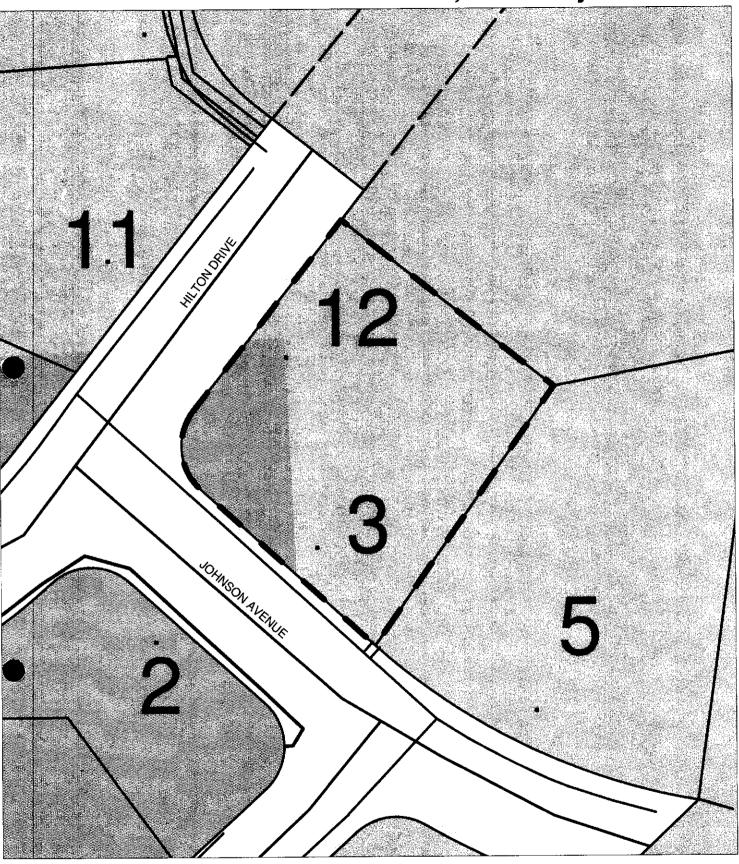
Time sheet

Officer	Process	i Date	Time
CSBR	File establishment	18/11/03	Ю
Bec	File establishment Check Plonus, Specis	26-11-7003	282
<u> </u>			
		Total Time	

Inspections pre-paid & done

Inspections:	Cost	No. Pre paid	No.	Date done
A – Foundation pre pour	\$93.75		:	
B – Concrete pre pour	\$93.75			
C – Ring foundation pre pour	\$93.75	·		
D – Pre-line including plumbing	\$131.25			
E – Pre-line (minor – no plumbing)	\$93.75			
F – Plumbing and / or drainage	\$93.75			
G - Final (major) - Dwelling, commercial or similar	\$132.50			
H – Final (minor) - alterations / additions or similar	\$113.75			
I - Re-Inspection	\$93.75			
J – Check amended plans	\$22.50			
K-				

3 Johnson Ave, Amberley



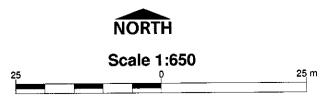
LINZ Parcel data supplied under Licence from Critchlow Associates Ltd.

Disclaimer Note

The information displayed on the map has been taken from Hurunui District Council's databases and maps.

It is made available in good faith but its accuracy or completeness is not guaranteed.

If the information is relied on in support of a resource consent it should be verified independently.





been issued by the Council fo	or this project? Yes	No 🗸
norandum (PIM) number here:	BC03053	3
Agent (Owner	's Representative)	4.
Name	Woodens B	المجدر لاء
<u> ါတcκອ</u> κက Postal Address	70 Box 113	310 Sooka
<u> </u>	Caristou	ccu.
Phone No.	3480-86	4
Fax No.	3480-866	, -
mer or Agent		
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Survey District		
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& charges for deposit / fee size.		
& charges for deposit / fee size. GASAT OSMESS Name For Wood and	Survices (50 not	a 3/11/03
	Agent (Owner Name Postal Address Phone No. Fax No. mer or Agent Property ID Survey District E Description of work ars Intended Use(s) ears) Estimated value (Labour, materials are ing	Agent (Owner's Representative) Name Name Woodland Representative

Key Personnel Complete as far as possible in all cases Designer Yes No WOODLAND BUILDERS LAD Name Company 158 Main) Address 3480 864 Fax No. ____ 3480 866 Phone No. Yes Engineer No Name Company Address Fax No. Phone No. Builder Wooses Brages (73. Name Company Address Fax No. Phone No. Registered Drainlayer Yes No Mark HAASE Name Reg. No Address 336-043 021 Phone No. Fax No. Craftsman Plumber No Survas Name Reg. No Address Fax No. Phone No. Registered Electrician No Reg. No Name Address 627 283 1900 Fax No. Phone No. **Building Certifier** Yes No Name Reg. No Address Fax No. Phone No.

Application for Building Consent

Building Department

Section 33, Building Act 1991



PHONE (03) 314 8816

P	lease	read	ALL	sections	of this	applicati	on

Standard of Documentation:

- On clean paper no smaller than A4.
- Drawn in permanent ink using a ruler to a commonly recognised scale, i.e. 1:10, 1:20, 1:50, 1:100 and 1:200 for site plans.
- Provide all documentation in duplicate, or triplicate if builder is engaged.
- Where YES / NO boxes, one or other must be marked.

Privacy Act

The information you provide on this building consent application form will be collected and held by the

		angements	<u> </u>
and :	Specifications? Yes	etion of the project in accordance with the Bui	lding Consent drawir
If NC	give details of extent of constru	oction arrangements: (tick box)	
	Labour only (contracts)	Separate project manage	er
	Owner to arrange subcontracto	ors Architect and / or Engine	eer controlled
	Owner builder		
If YE	S give details of extent of builder	rs responsibility: (tick box)	
✓	Whole job to completion - Cod	de Compliance Certificate issue	
	Partial completion: (specify wh	o is responsible to complete works and amou	nt remaining)
 			
Me	chanical Systems		
Does	······································	systems, fire protection systems or emergency	v warning systems e

Proje	ect D	etails
Only co	mplete	this section if you have NOT applied separately for a Project Information Memorandum
The pro	ject inv	volves the following matters: (tick each applicable box, and attach relevant information).
		Location in relation to legal boundaries, and external dimensions of new, relocated or altered buildings (site plan with elevations, topography attached).
		Details of any known or potential erosions, avulsion, falling debris, filled ground, subsidence, slippage, alluvion, inundation, hazardous contaminates on or near the site.
Yes	No	New provisions to be made for vehicular access, including parking (to be shown on site plan)
		Provisions to be made in building over or adjacent to any road or public place.
\checkmark		New provisions to be made for disposing of stormwater and wastewater (to be shown on site plan).
	J	Precautions to be taken where building work is to take place over existing drains or sewers or in close proximity to wells or water mains.
		New connections to public utilities, i.e. water supply, stormwater systems, wastewater systems.
	$\overline{\mathbf{V}}$	Provisions to be made in any demolition work for the protection of the public, suppression of dust, suppression of noise, disposal of debris and disconnection from public utilities.
		Details of any cultural heritage significance of the building or building site, including whether it is on a Marae, or Waahi Tapu.
		Copy, or reference to any Resource Consent or planning approval for this project.
		Details of volume of proposed excavations: include volumes for site preparation, basement and driveway.
Buil	ding	Details
This ap	oplications	section in ALL cases. on is accompanied by (tick each applicable box, attached relevant documents) ecifications and other documents according to which building is proposed to be constructed to ne provisions of the Building Code, with supporting documents, if any, including -
		Building certificates (e.g. by Independent Building Certifiers).
	$\sqrt{}$	Producer Statements (specific Engineers design).
		References to accreditation certificates issued by the Building Industry Authority.
		References to determinations issued by the Building Industry Authority.
		Proposed procedures, if any, for inspections during construction e.g. specialist consultant.

BC/030533

Please quote this number with all inquiries and inspection bookings

The Housing Specialist

Specifications

For Mr & Mrs H. Purvis.

At

Lot 21 Johnson Avenue, Amberley.

INDEX:

- 1. PRELIMINARY AND GENERAL
- 2. EXCAVATION AND HARDFILL
- 3. CONCRETE
- 4. BUILDER
- 5. ROOFING & GUTTERING
- 6. ALUMINIUM JOINERY
- 7. ELECTRICAL
- 8. PLUMBING
- 9. DRAINS
- 10. EXTERIOR CLADDING
- 11. DOOR JOINERY & HARDWARE
- 12. KITCHEN JOINERY
- 13. GIBSTOPPING
- 14. PAINTING
- 15. FLOORCOVERINGS
- 16. SITEWORKS

This Specification supercedes the detailed quotation previously supplied.

1. PRELIMINARY AND GENERAL

1.1 Extent of Work

This Specification and the attached Drawings describe the work to be done and the materials to be used for the construction of a three bedroom and study home at Johnson Ave, Amberley.

1.2 Consents, Building Act (1992) and By-Laws

The Housing Specialist shall prepare and apply for the PIM and Building consent from the local Territorial Authority.

Owner must pay fees for and uplift consent plans.

The Contractor shall comply with all the requirements of the Building Act (1992) and all local Territorial Authority requirements.

1.3 Drawings

The Drawings and Specifications show the extent of the work, but The Housing Specialist gives no guarantee that every detail is shown.

Work or materials shown on the Drawings or included in this Specification and not shown on the Drawings must be supplied as though both shown and specified.

Should there be any omission, doubt or ambiguity as to the meaning of any part of the Drawings or Specifications, the Contractor shall contact The Housing Specialist before continuing any work

The Contractor shall verify all dimensions and levels prior to commencement of any work. Figured dimensions on the Drawings are to be taken in preference to scaled dimensions.

1.4 Setting Out

The Client shall provide all survey pegs as required to set out all Buildings.

The Contractor shall ensure that all survey markings and/or builders pegs are not damaged or disturbed during construction. Any marks close to the works shall be suitably protected by the Contractor before work commences. The Contractor shall be liable for the cost of reinstating any marks or pegs.

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1.5 Engineer's Report

No allowance has been made in the Contract price for the cost of an Engineer's report/design if required by the controlling Territorial Authority or The Housing Specialist.

1.6 Materials and Workmanship

All materials shall be the best of their respective kinds, qualities, classes and grades as specified. They shall comply with the relevant N.Z. Standard of their kind and with the New Zealand Building Code. The Contractor shall remove immediately from the site all materials rejected by The Housing Specialist.

All work shall be carried out with the best trade practice, under the supervision of competent experienced, and where relevant, registered tradespeople and in accordance with the Drawings and Specification to the satisfaction of The Housing Specialist. All defective or damaged work shall be removed and made good to the satisfaction of The Housing Specialist.

Should any Contractor consider that any surface, fitting or joinery has not been left in a condition as to allow that trade to produce a workmanlike finish, The Housing Specialist shall be notified immediately before any further work is done. Failure to notify The Housing Specialist in this respect shall render that trade responsible for any subsequent substandard finish.

1.7 Subcontracting

The Contractor shall not subcontract any portion of the work without written consent of The Housing Specialist.

1.8 Co-Operation

All Contractors shall co-operate with each other and co-ordinate their respective activities so that the Contract progresses smoothly.

1.9 Variations and Extras

No allowance has been made in the Contract price for any changes to the Drawings, Specifications or Contract made by the Client subsequent to signing of the Contract. The cost of any changes made by the Client after the signing of the Contract will be met by the Client on the next relevant progress payment.

The cost of any changes made by the Client after the signing of the Contract shall be agreed in writing by The Housing Specialist, and the Client prior to the commencement of any work. No instruction shall be considered extra work or a variation of the Contract unless by the written consent of The Housing Specialist and the Client.

1.10 Painting

The Contract allows for up to 3 white based colours to be applied to the Interior. Should there be more colours used or Dark based colours used an extra charge will apply.

1.11 Protection of Property

The Contractor shall protect all property and shall make good all damage at his/her own expense. The Contractor shall make good at his/her own expense and to the satisfaction of the controlling Territorial Authority, any damage done to footpaths, kerbs and drains etc.

1.12 Cleaning Up

At the completion of the work, the Contractor shall remove all rubbish, debris and equipment from the site. The whole of the work shall be left clean and tidy. Any site cleaning up work required to be done shall be charged to the Contractor responsible.

1.13 Insurance

The Contractor shall take out General Public Liability Insurance. The Housing Specialist shall be responsible for Builders All Risk & Public Liability Insurance for the duration of the construction period.

The Housing Specialist and Contractors will take precaution when traversing across existing properties as not to do any damage, but shall not accept any liability for any damage that may arise.

We must have clear access to site.

All

2. EXCAVATION AND HARDFILL

2.1 Scope

The work in this section includes all labour, materials and equipment necessary to carry out and complete the stripping, excavation for building foundations and floor slabs and supply and laying of hardfill together with any other items of work reasonably inferred as part of this Section.

The Contractor shall be familiar with the clauses in Section 1, Preliminary and General, of this Specification which are relevant to this Section.

2.2 Site Stripping and Excavation

The Contractor shall be responsible for the removal of all vegetation, roots and other unsuitable material from the area to be covered by the proposed buildings and associated works. This material is to be placed adjacent to house site.

The Contractor is responsible for excavating for foundations and concrete floors. Foundations are to be excavated to a minimum depth of 300mm, to the satisfaction of The Housing Specialist and the controlling Territorial Authority. A minimum depth of 50mm is to be excavated under all concrete floors. All soft spots found during excavation shall be reported immediately to The Housing Specialist. Excavated material shall be stockpiled on site where directed by the Builder.

Avoid covering topsoil with subsoil.

2.3 Hardfill

The Contractor shall responsible for placing a minimum of 150mm of hardfill - 20/40 worked beneath all concrete floors. Hardfill shall be well compacted and levelled.

Hardfill specifications method of compaction shall comply with the regulations of the controlling Territorial Authority. (N.B. Allow for 40mm underslab insulation to under house floorslab.)

2.4 Variation and Extras

The Contract has been priced assuming that the section is level and the substrata is solid bearing. Should excavation to a greater depth than shown on the Drawings be required by the controlling Territorial Authority and/or The Housing Specialist and/or the Site Engineer, the cost shall be charged as an extra to the Client and be paid at the second progress payment. The Contractor shall be paid for such additional work at a rate approved by The Housing Specialist in writing before any additional work is carried out. Should the Contractor excavate to a greater depth than detailed on the Drawings or approved by the controlling Territorial Authority and/or The Housing Specialist and/or the Site Engineer, he/she shall, at his/her own expense, fill the proper level with site concrete as specified in Section 3 of this Specification.

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3. CONCRETE

3.1 Scope

The work in this section includes all labour, materials and equipment necessary to supply and deliver to the site all concrete for the foundations and floor slabs together with any other items reasonably inferred as part of this Section.

The Contractor shall be familiar with clauses in Section1, Preliminary and General, of this Specification which are relevant to this Section.

3.2 Materials and Workmanship

All materials and workmanship shall comply with NZS 3109 (1987). Foundations 20MPA concrete and floor slab shall be 17.5 MPA concrete. The Contractor shall ensure that the floor slab surface is smooth and level, free from any ridges or depressions and shall conform to an acceptable tradesmanlike finish.

3.3 Variations and Extras

The Contract has been priced assuming that the section is level and the substrata is solid bearing. Should any concrete above the amount allowed for in the Contract price be required by the controlling Territorial Authority and/or The Housing Specialist and/or the Site Engineer, the cost shall be charged as an extra to the Client and shall be paid at the second progress payment. The Contractor shall be paid for such additional work at a rate approved by The Housing Specialist in writing before any additional work is carried out.

Al

4. BUILDER

4.1 Scope

The work in this section shall include all labour, materials, equipment and coordination necessary to carry out and complete the building as shown, together with any other items of work reasonably inferred as part of this section.

The Contractor shall be familiar with the clauses in Section 1, Preliminary and General, of this Specification which are relevant to this Section.

4.2 Workmanship and Materials

All carpentry work shall be carried out under the supervision of a competent and experienced tradesperson and in accordance with NZS 3604 (1999). All work shall be fabricated and erected in accordance with the best trade practice and shall be constructed and assembled true to square, straight and fit according to the details and the specification.

All concrete work and formwork shall comply with NZS 3109 (19%7). All formwork shall be constructed to provide a high standard of finish. No allowance has been made for the plastering of foundations.

4.3 Setting Out

The Contractor is responsible for ensuring that the works are correctly set out on the building site. He/she will confirm that all survey and/or ground marks required to achieve an accurate set out are in place. Any marks not in place or disturbed are to be notified to The Housing Specialist. The Contractor is responsible for ensuring that all such marks are not damaged or disturbed by his/her works and he/she shall take such measures as are necessary to protect these marks. He/she will be held liable for the cost of reinstatement of any marks disturbed by him/her.

4.4 Formwork

All formworks supplied by the building contract shall be ex 25mm rough sawn timber and braced so as to prevent any distortion. All joints shall be tight so as to prevent any leakage and to ensure that a high standard of finish is achieved. (No allowance has been made for the plastering of foundations).

The cost of any extra concrete due to leakage under the formwork shall be the responsibility of the Contractor.

A.P

4.5 Reinforcing

Allow to place and tie reinforcing as required as detailed on the Plans. The bottom bar of the wall shall have a minimum cover of 75mm. Foundation walls shall be tied to the floor slab by R10 bars at not less than 600mm centres extending into the floor slab not less than 600mm with a minimum cover of 75mm and 50mm in the foundation wall and floor slab respectively. Place 668 mesh to entire floor slab. All reinforcing shall be tied to the R10 ties / links with tie wires.

4.6 Damp Proof Course and Insulation

Allow to lay 250 micron DPC to the underside of 40mm sheet Insulation and the floor slab in accordance with the Manufacturer's recommendations to provide a waterproof membrane. Ensure that the DPC is lapped a minimum of 150mm and sealed with pressure sensitive tape. Any penetrations through the waterproof membrane shall be sealed.

4.7 Concrete Floor

No concrete shall be placed until excavations, formwork and reinforcing have been approved by the Building Inspector or the Site Engineer.

Allow to co-operate with other Contractors to provide for electrical conduits, plumbing wastes, water feed etc as required by other contractors. All embedded pipes to comply with NZS 3109 (1987).

Concrete floor slab shall be a minimum 100mm thick and shall be cut into 3 metre squares unless mesh is indicated on the Drawings. The Contractor shall be responsible for the protection of the slab and any damaged or sub-standard slab shall be repaired or remade to the satisfaction of The Housing Specialist.

4.8 Wall Framing

All framing to be Number 1 Grade 94x47mm, studs to be at 600mm centres with two rows of dwangs equally spaced. Top and bottom plates are to be 94x47m with top plates being joined with nail plates. Exterior bottom plates are to be fixed with bottom plate fixing anchours at 900mm centres. A Ramset nail washer is to be fixed adjacent to each connector.

Interior bottom plates may be fixed with Ramset or similar approved fittings. -12" bolks at brace ends.

Ceiling plate is to be 150mm x 40mm.

JH

All exterior wall framing is to be covered with building paper complying with NZBC E2/AS1 clause 2.4 and is to be securely fixed to studs, dwangs and plates with a minimum 75mm overlap.

All trimmings, straightening and packing of studs, dwangs and joists necessary to enable tradesmanlike fixing of wall linings is to be completed by the Builder.

All lintels are to comply with NZ Standard 3604 (1999). Section 15. Table 15.2.

The Builder should note any Engineers lintel designs where high load points may occur in terms of NZ Standard 3604 (1999).

4.9 Fastening

All aspects of fastening shall comply with NZS 3604 (1999).

Frames to be bolted with M12 true bolts at bracing units. Nail, bolts and screws of all external work shall be galvanized. Nails to be punched where work is to be decorated.

4.10 Bracing

Allow to fix all bracing as shown in the Drawings in accordance with the manufacturer's recommendations and to comply with NZS 3604 (1999).

4.11 Trusses

Allow to fix trusses as detailed on the truss layout provided.

4.12 Soffit

Allow to fix 4.5mm Hardiflex soffit where shown on the Drawings.

4.13 Insulation

Allow to fit **R2.2** wall batts to external walls and **R2.6** batts to ceiling spaces of the house, and 40mm polystrene under floorslab of the house only, to manufacturer's specification and to comply with NZBC H1/AS1.

4.14 Aluminium Joinery

Take delivery and install all aluminium windows and doors. Fit flashings as necessary to ensure that the job is thoroughly water tight.

4.15 Doors

Take delivery and install all external and internal doors and door handles. Ensure that all doors are hung in a tradesmanlike manner.

All

4.16 Interior Linings

Allow to line internal timber frame walls and all ceilings with 9.5mm thick Plaster Board and fix in accordance with the manufacturer's specifications. Aqualine gibboard to bathroom and ensuite. Ensure all linings are true and

plumb. All linings are to be carried to floorlevel, into wardrobes and cupboards and behind all fittings. The moisture content of all framing shall be within the acceptable range and complying with the Local Territorial Authority requirements before fittings of linings.

4.17 Skirtings

Allow to fix 90 x 10mm bevelled PINE paint grade skirtings to all wall and floor junctions including the hot water cupboard, wardrobes and cupboards.

4.18 Ceiling Access 600 x 500 "Mim.

Allow to provide an access hole in the ceiling of the garage fitted with an attic ladder. Fit 3 x 2400 x 1200 x 12mm MDF cover sheets to attic space.

4.19 Wardrobes

Allow to install wardrobes. Wardrobes are to be lined with 9.5mm thick Plaster Board. Provide each wardrobe with a full width shelf at 1.8m above the concrete floor, with PVC Basket type shelf, 1 per wardrobe with clothes rail. Walk in robe to have 1 shelf on one wall and 2 shelves to two walls. Linen cupboard to have 3 shelves.

4.21 Kitchen Joinery

The joiner is to install kitchen joinery as shown on the Plans. Kitchen layout and joinery is to comply with NZBC G3/AS1 with particular emphasis on the preparation area.

The Contractor shall ensure that all necessary plumbing fittings are installed before fitting of the joinery.

4.22 Laundry Cabinet and Tub

Install laundry ST3000 cabinet to laundry. The Contractor to ensure that tub pre-plumbing is completed before final fitting of the cabinet fix to wall.

4.23 Bathroom

Install bathroom joinery including vanity units and shower cubicles which are to comply with the requirements of the NZBC G1/AS1 and E3/AS1 Clause 3.2. Install towel rails to bathroom and ensuite.

Install toilet roll holders to both toilets.

The Contractor is to ensure that the Plumber has installed the shower tray (plumbed) and any other required fittings are in place before he/she commences work.

94

4.24 Verandah

Fix 90 x90 Glulam posts to bowmac post brackets cast in concrete withn m12 galvanisd bolts. Rafters 100x 50 at 600 crs. Allow to line underside of rafters with 4.5 mm hardiflex soffits.

4.25 Co-operation

Co-operate and co-ordinate with other trades as required to ensure that all work on site is carried out in an efficient and effective manner.

Co-operate with all contractors for the correct positioning of all bolts, wire ties, dwangs and fittings etc.

Co-operate with plumber in building in the various plumbing and sanitary fittings as described in Section 8 of this specification.

Co-operate with electrician in building in the meter box, switch board and other electrical fittings as described in Section 7 of the specification.

Add

11

5. ROOFING AND GUTTERING

5.1 Scope

The work in this section includes all materials, labour and equipment necessary to supply and install the following together with any other items reasonably inferred to be part of this Section.

The Contractor shall be familiar with the clauses in Section 1, Preliminary and General, of the Specification which are relevant to this Section.

(a) Roof:

Longrun Coloursteel 0.40 G2z custom orb Plumdek

Colour

New Denium Blue

(b) Ridge Cap:

Standard

Colour

New Denim Blue

(c) Barges:

Coloursteel

Colour

New Denim Blue

(d) Fascia & Gutter: Coloursteel Multiline Quad external spouting

Colour

New Denim Blue

(e) Downpipes:

65mm Diameter Coloursteel

Colour

New Denim Blue

5.2 Workmanship and Materials

All work shall be carried out in accordance with the manufacturer's instructions by skilled tradespeople to give a thoroughly water tight job. Roofing underlay shall be self supporting breather type building paper complying with NZS 2295 (1988).

A written guarantee will be required from the roofing Contractor, stating that the entire roof has been laid in accordance with the manufacturer's instructions and is completely watertight and weatherproof. Any damage to buildings caused by water or the like will be made good at the roofing Contractor's own expense.

5.3 Co-operation

The Contractor shall co-operate with the builder to ensure all flashings are correctly fixed to ensure a water tight job.

11-1

6. ALUMINIUM JOINERY

6.1 Scope

The work in this section shall include all labour, materials and equipment necessary for the construction and delivery to the site of all aluminium windows and doors as shown on the drawings, complete with all friction stays, catches, essential window hardware and glazing.

The Contractor shall be familiar with the clauses in Section 1, Preliminary and General, of this Specification which are relevant to this Section.

6.2 Materials and Workmanship

All materials shall comply with NZS 3504 (1979) (Specifications for Aluminium Windows) and tested and approved in accordance with NZS 4211 (1985) (Performance of Windows). Glazing shall be in accordance with NZS 4223 (1985) and Part 3 (1993) and the NZBC F2/AS1 in respect to safety glass.

Ventilation to all areas of the house to comply with NZBC G4/AS1 except where mechanical or other means of ventilation are used.

Entrance Door to be a Plyco L2400 with Gold Elegance glass top panels in aluminium frame.

All windows to be Single glazed.

Glass shall be float glass, except in the **bathroom and ensuite** which shall be obscure glass.

The powder coated aluminium frames are to have mitred corners with neat and tightly fitting joints. All aluminium frames are to have self-draining condensation channels and shall be supplied with 25mm, paint grade rebated reveals.

All hardware to Aluminium windows and doors to be black.

The colour of the aluminium frames is to be New Denium Blue.

All aluminium frames are to be square and shall be purpose made to fit the individual openings. Any errors in sizes shall be the manufacturer's responsibility and shall be corrected at his/hers expense.

The direction of window and door openings shall be that identified on the Drawings.

Window latches to be black double tongue sash handles.

Door handles to be black Iseo 781 lever lock. Handles to be keyed locked from both sides.

A.

7. ELECTRICAL

7.1 Scope

The work in this Section shall be carried out by Registered Electrician and shall include all labour, materials and equipment necessary to carry out and complete the electrical installations as shown including the connection to the Local Power supply Authority mains system, together with any other items of work reasonably inferred as part of this section, excluding the connection to the Local Power supply Authority mains system which shall be the responsibility of the owner.

The Conctractor shall be familiar with the clauses in Section 1, Preliminary and General, of this Specification which are relevant to this Section.

7.2 Workmanship and Materials

All work shall be carried out by a Registered Electrician in strict accordance with the latest Electrical Wiring Regulations and all its amendments and shall comply with the NZ Electrical Code of Practice ECP50 and ECP51, the Building Act 1992 and the local Territorial Authority requirements.

The work shall be completed and left in running order to the satisfaction of The Housing Specialist. The electrician shall at his/her own expense renew work that proved defective from faulty materials or workmanship during the first year after completion date.

Cables and flexibles shall be 250v grade T.P.S. to comply with NZ Standard 6401 (1973).

An allowance of 15 lineal metres of mains and phone cable has been allowed for.

7.3 Fees

Obtain all necessary permits for this Section. Owner to arrange with Power Board and pay all fees for the connection of power supply to the residence.

7.4 Switch Board & Meter Box

Provide and install a recessed circuit breaker switch board complete with all necessary control and ancillary equipment where shown on the drawings. Quickset fuses to be used. Correctly label all fuses and switches.

Provide and install a steel meter box where shown on the Plans.

14-6

7.5 Switches and Power Points

Allow to supply and wire 10amp, insulated Clipsal S2000 series switches mounted 1200mm above the concrete floor.

Allow to supply and install 230v, 10amp, 3 pin flush type power points mounted 300mm above the floor, except in the kitchen and the bathroom where the power points shall be installed 225mm above the bench top and the vanity respectively. Mount power points for the washing machine and refrigerator 1200mm above the concrete floor. Power points to be double switched with safety shutters.

Twenty Two	(22)	double plugs have been allowed for. PDL
Five	(5)	single plugs.
Two	(2)	RCD plugs.
Two	(2)	Under tile heating circuits (Bathroom & Ensuite)
One	(1)	Infloor heating circuit (Kitchen - diningroom)
One	(1)	Heat pump circuit. (Familyroom)
One	(1)	Outdoor socket

7.6 Electrical Fittings

The Contractor shall install the following fittings. Allow to supply and install all switches and power points as necessary to install fittings.

	<u>Model</u>	<u>Sup</u> r	olied By
Wall oven	F&P B1602E	S/S	THS
Gas Hobb, Bottle & Fittings	F&P GC900WFC	S/S	THS
Dishdrawer 2x integrated	F&P DD603	integrated	THS
Rangehood	Parmco Forma 900	S/S	Joiner
Chest freezer	F&P H320X	W/W	THS
Auto Garage door opener	2 Remotes	Dom	inator
2x 150mm extractor fan		Elect	trician
2x Bathroom mirror heater	Wall mounted	Elect	trician

No f

7.7 Light Fittings

Interior:

Supply and install

	-Thirty eight	(38)	downlights (white)
	-two	(2)	batten holder light fittings to
			garage
	-one	(1)	batten holder to attic space
Exterior:	•		
Supply and install	-one	(1)	Sensor light
	-three	(3)	bulkhead lights
	-three	(3)	downlights (white)

7.8 Hot Water Supply

Install an element and thermostat to a 250 litre mains pressure Hot Water Cylinder as supplied by the Plumber.

7.9 Telephone and Television

Allow to lay, in conjunction with Telecom, underground cable from the boundary to the house.

Allow to supply and fit four (4) Telecom jack points.

Allow to supply and fit three (3) T.V. points.

7.10 Heating

Supply and install Enersave under tile heatmat to the ensuite and bathroom. Supply and install Enersave infloor heating to Entry, kitchen and diningroom.

7.11 Alarm system

Supply and install 1x smoke detector, 5x PIR detectors with 2 remote key fobs.

7.12 Co-operation

The Electrician shall co-operate with all other Contractors in all phases of work in particular the following:

Co-operate with the Builder to provide temporary power to the site.

The Contractor shall confirm the precise locations of all electrical fixtures and fittings with the Client prior to commencing any work.

Pdl

PLUMBING

8.1 Scope

The work in this Section shall include all labour, materials and equipment necessary to carry out and complete the installation of water reticulation (from toby box), sanitary services and fittings (from gully traps / vents inclusive), all vent pipe fittings and cappings and downpipes and associated brackets (snow strapping if required), together with any other items of work reasonably inferred as part of this section.

The Contractor shall be familiar with the clauses in Section 1, Preliminary and General, of this Specification which are relevant to this Section.

8.2 Workmanship

All work shall be carried out by registered tradespersons in accordance with the regulations of the controlling Territorial Authority and the Building Act 1992. All work and materials are to comply with the relevant NZ Standard and the NZBC Clause G1 - G4 and G10 - G15 and in particular

- B2 Durability
- E1 Surface water (for stormwater)
- G12 Water supplies (for plumbing)
- G13 Foul water (plumbing wastes and drainage)

Water supply pipes to be "h.d." Alkathene completed with approved pipe fittings to NZ Standard 7602 (1977).

8.3 Cold Water Supply

Tap off from the main service pipe at the toby box in the street with 20mm Polybutylene/Polyethylene or similar approved pipe. Run the pipe not less than 450mm below finished ground level to the house foundation entry point at the garage, then through or under the foundations to a Sue Kelly watersoftener. All pipework to be PVC Polypropylene, 20mm diameter mains with 15mm diameter branches. All pipework to be clipped in accordance with NZBC G12/AS1 Table 7 and G13/AS1 6.3.1. Table 3.

pl.

8.4 Hot Water Supply

Supply and install a 250 litre, Mains pressure hot water cylinder system with 20mm diameter supply pipe and 15mm diameter branches or risers to sink, bath, shower and laundry tub. Hot water supply pipework to be copper piping or approved polybutylene piping. Copper tubing shall be seamless cold drawn to comply with NZ Standard 3501 (1976). Polybutylene pipe shall comply with NZ Standard.

Provide a drain and tempering valve to the cylinder. Tempering valve to comply with NZ Standard 4617 (1989) to all hot water supply pipework prior to all fittings. Set valve to 55 degrees centigrade in accordance with NZBC G12/AS1 Clause 4.13.2. Seismic restraints shall be fitted to the top and bottom of the cylinder. and cantre. G12/AS1 Fig 14

All pipework to be clipped in accordance with NZBC G12/AS1 Table 7 and G13/AS1 6.3.1 Table 8.

Insulate all hot water pipes to required standard.

8.5 Waste Pipes and Traps

Waste pipes, vents and traps are to be installed with all work carried out in accordance with the manufactures instructions and specifications. Care is to be taken where pipes and wastes are running horizontally.

Wastes, vents and soil pipes shall be rigid PVC having solvent welded joints to comply with NZ Standard 7641 (1978) and 7642 (1971).

Traps shall be white polypropylene with screwed joints to NZ Standard 7652 (1976).

8.6 Fittings

Set up the following fittings, complete with wastes, traps, back vents, soil stacks and terminal vents. Flash all vent pipes through the roof. Terminal vents to be in wall cavity. Provide cleaning eyes to all waste pipes at junctions and all necessary overflow pipes.

The shower trays are to be installed before the Builder finishes off shower joinery and must comply with NZBC E3/AS1 Clause 3.2.

Ad-l

Bathroom

Bath: E

Englefield 'Emerald' 1500mm corner bath (white). Tiles to front

and 2 rows to top of the bath

Shower:

1.0m x 1.0m shower cubicle with soap caddy fitted to corner, glass

screen and door and easy clean trap.

Vanity:

1800mm 'Tosca' double basin wall hung vanity with 2x .6x.9

mirrors over.

Sonia dallas towl rail and robe hook

Toilet:

Ecco pan and studio cistern. Sonia dallas toilet roll holder

Ensuite

Shower:

1.0m x 1.0m shower cubicle with soap caddy fitted to corner, glass

screen and door and easy clean trap.

Vanity:

1200mm 'Tosca' wall hung vanity with .6 x .9 mirror over.

Sonia dallas towl rail and robe hook

Toilet:

Ecco pan and studio cistern.

Sonia dallas toilet roll holder

Toilet

Ecco pan and studio cistern. Sonia dallas toilet roll holder

Laundry

Tub:

ST3000 Supertub.

Kitchen

Sink

Dishdrawer Rangehood

If fittings other than white are requested, The Housing Specialist accept no responsibility for manufacturer colour variation.

8.7 Taps, Faucets, Shower Mixing Valves etc

Supply and set up the following taps and all other taps, valved etc as necesary

- 2 x Stella 3F slide shower rose
- 3 x Laska shower mixers
- 2 x Laska basin mixers
- 1 x Bath spout
- 1 x Laska sink kitchen faucet

Three (3) Brass garden taps, 600mm above the ground level.

Al.

8.8 Downpipes

Allow to supply and fit **colorsteel** downpipes to droppers in gutter system including two brackets to each downpipe. Comply with NZBC E1/AS1 Clause 4.0 and Table 5

8.9 Heating

Supply and install a Toshiba RAVSM 560 Inverter heat pump to family room.

8.10 Testing

At the completion of work test all water supply pipework at maximum 1500 k/a pressure available and comply with any Local Authority requirements or procedures. N286612/AS1. 7.5.

8.11 Co-operation

The Plumber shall co-operate with all other Contractors in all phases of work in particular the following:

The Contractor shall co-operate with the Builder to organize temporary water supply to the site.

/A. /

9. Drains

9.1 Scope

The work in this Section include all labour, materials and equipment necessary for all surface and foulwater drainage up to ground level to connect to the Plumbers work including:

- (a) Lay 100mm diameter sewer lines including all fittings, manholes and inspection chambers, gully traps and connections for soil and waste pipes and terminal vents.
- (b) Lay 100mm diameter stormwater pipes including all connections.

The Contractor shall be familiar with the clauses in Section 1, Preliminary and General, of this Specification which are relevant to this Section.

9.2 Materials and Workmanship

The whole of this work shall be carried out by registered drainlayers and to the satisfaction of the Building Inspector. The work shall conform to the requirements of the NZ Building Act (1992) and relevant NZ Standards and the Territorial Authority regulations. The work shall be completed in accordance with the New Zealand Building Code Clauses G1 - G4, G10 - G15 and G13 AS2 and with good trade practice and in particular

- B2 Durability
- E1 Surface water (for stormwater)
- G13 Foul water (plumbing wastes and drainage)

The drainlayer shall obtain all relevant permits, service all notices, pay all fees required and arrange for all tests. At time of Full water Test inspection, provide an accurate as laid drainage plan to Council Officer.

General drains shall be UPVC and comply with NZ Standard 7649 (1988). 100mm diameter unglazed socket earthernware pipes will comply with NZ Standard 3302 (1083) with approved rubber rings. Concrete shall be 17.5MPa and comply to NZ Standard 3109 (1987).

Sewer and stormwater drains shall comply with NZBC and NZ Standard 4452 (1986).

9.4 Drain Trenches

The excavation of trenches for drains shall be approximately 200 - 400mm wider than the pipe OD to allow for sufficient space to place sidefill. The trench shall be excavated 80 - 100mm below the pipe bedding to be placed. The trench shall be accurately made with base clean and true to grade to enable layering and jointing to be properly carried out. Trenches shall be kept firm and dry and shall be opened up only in lengths that can be protected, utilized and refilled within a reasonable time

pol-

9.5 Bedding

PVC pipes shall be placed on a bedding of granular material 80 - 100mm thick extending to the sides of the trench and sufficiently deep to provide one quarter diameter haunching to the pipe.

The bedding material shall be gravel with a maximum particle size of 20mm and may be single sized or graded.

9.6 Fittings

The Drawings show the layout of the drainage. Additional fittings that are normally required such as inspection points and inspection bends etc but are not specifically shown must be allowed for to comply with normal practice under the regulations or special requirements of the Territorial Authority requirements.

9.7 Joints

The pipes are to be jointed by push in rubber ring or solvent cementing as appropriate and shown in the manufacturer specifications.

9.8 Pipelaying

Pipes shall be laid on the bedding to a regular and even fall, and shall be checked for grade every two metres. The pipe barrel must be uniformly and continuously supported with holes scooped out under jointing sockets.

9.9 Sidefill and Cover

Sidefill shall be placed as soon as practicable after laying. Sidefill material shall be gravel, either single size or graded with minimum of fines and a maximum particle size of 20mm. This material must completely fill the space between the pipe and the trench wall and give 80 - 100mm of cover to the pipe barrel.

9.10 Backfill

Properly backfill all trenches with excavated material after testing, consolidate as filling proceeds. No mechanical compaction shall be used until at least 300mm of backfill has been placed.

9.11 Sewer Drains

Provide all necessary bends, junctions, inspections fittings etc. Bed gullies in concrete and fit preformed plastic sumps complete with grate and cover. Sumps shall be 100mm above existing ground level. Connect to terminal vent and gully trap and run to lateral inside boundary

Ad-1

9.12 Stormwater Drains

Provide all necessary bends, junctions, inspection fittings etc. Bed "easy bends" in concrete below downpipe entries; fir grating and coverplate cut around downpipe. Connect to stormwater drains and run to lateral inside boundary.

9.13 Gully Traps

Supply and fit all gully traps as required.

9.14 Co - operation

The drainlayer shall confer with the plumber and shall arrange with the builder before the foundations are laid to fix the exact position of all connections of waste and drainage.

10. EXTERIOR CLADDING

10.1 Scope

The work in this section shall include all materials, labour and equipment necessary to carry out and complete the exterior cladding as shown, together with any other items reasonably inferred as part of this Section.

The Contractor shall be familiar with the clauses in Section 1, Preliminary and General, of this Specification which are relevant to this Section.

10.2 Materials and Workmanship

All work shall be in accordance with NZ 3604 (1996), NZS 4229 (1986), 4230 (1990) and the NZBC B1/AS1. Cement shall comply with NZSS 3122. All water shall be potable. Sand for mortar shall be No 1 grade and / or shall comply with the relevant clauses of NZSS 3103.

Exterior cladding to the house and garage shall be 70 series Canterbury clay 'Sumner' bricks with grey mortar.

Mix the mortar in approved mixer to form a homogenous mass in the colour specified. Mortar shall be discarded if not used within 90 minutes of mixing.

Lay bricks in stretcher bond to a true level line and plumb face, with consistant joints not less than 9.5mm wide. A cavity not less than 40mm or more than 75mm shall be maintained between the timber frame and the brick veneer. Bricks to have a 70mm bearing on the foundation. Keep cavity clean and free of mortar droppings and protusions and free of all pipework or electrical wirings.

Build in approved face fixed galvanized ties at a maximum of 600 crs horizontally and a maximum 400mm vertically or 450mm both ways. Form weep / vent holes in the top and bottom course by raking out every third perpendicular in each of those courses

The Contractor is to allow for any pipes, conduits or other fittings required by other Contractors. All Penetrations to be watertight sealed.

The Contractor shall clean down all work when completed and leave free from stains. Remove all associated debris from the site.

Bricks left over shall be left clean and stacked on pallets for return.

MI

11. DOOR JOINERY & HARDWARE

11.1 Scope

The work in this Section shall include all the materials, labour and equipment necessary to construct and deliver to the site all the internal doors together with all the essential hardware.

The Contractor shall be familiar with the clauses in Section 1, Preliminary and General, of this Specification which are relevant to this Section.

All doors are to be square and shall be supplied with 25mm paint grade reveals. Direction of doors openings to be that identified on the Drawings. All doors shall be site measured before construction.

All Door hardware to be Schlage Plymouth Brass lever handles

'Somerset' smooth sectional garage door (Auto opener 2 remotes)

Entrance door Plyco L2400 / Gold elegance glass (in aluminium frame)

- 11 x Plyco 4 panel Frontier prehung paintgrade doors in paint reveals
- 1 x Double Plyco 4 panel Frontier paintgrade open top doors lounge to family, glass top clear glazed
- 4 x Sets of Aluminium sliders with 9mm MDF painted panel to linen and robes/paint grade reveals
- 3x Plyco 4 panel Frontier doors in cavity slider unit

Door stops to all doors as required.

MV

12. JOINERY

Kitchen

12.1 **Scope**

The work in this section includes all labour, materials and equipment necessary to construct and deliver to the site all kitchen joinery, together with any other items reasonably inferred as part of this Section

The Contractor shall be familiar with the clauses in Section 1, Preliminary and General, of this Specification which are relevant to this Section.

12.2 Workmanship and Materials

Cupboard front finishes with 2mm PVC edging

Melamine Colour:

Formica Top

Rolled edge Colour:

Sink Inserts

Oliveri PE302 stainless steel 1 & 1/2 bowl with

drainer

Drainage Tray

Left hand

Rubbish Bin

Pull out twin bin

Glass splash back to behind hobb

Door handles:

Pantry: with adjustable shelves

The Contractor shall provide the following fittings as listed and owner to supply fittings as listed.

	<u>Model</u>		Supplied By		
Wall oven	F&P BI601E	S/S	THS		
Gas Hobb	F&P GC900WFC	S/S	THS		
	Allow to pipe to 9kg	gas bot	ttle outside		
Dishdrawer x2	F&P DD603 integra	ted	THS		
Rangehood	Forma 900mm	S/S	Joiner		
Chest freezer	H320X	W/W	THS		

All joinery shall be site measured before construction

M

GIBSTOPPING

13.1 Scope

The work in this Section shall include all labour, materials and equipment necessary to carry out and complete the plastering, together with any other items reasonably inferred as part of this Section.

The Contractor shall be familiar with the clauses in Section 1, Preliminary and General, of this Specification which are relevant to this Section.

13.2 Materials and Workmanship

The Contractor shall stop all Gibraltor Board surfaces in accordance with the manufacturer's instructions to a standard smooth level 4 finish.

External corners to have square beadex mouldings

Fit 75mm gib cove cornice to wall ceiling junctions in kitchen, bedrooms (excluding robes) and family dining area.

13.3 Protection

The Contractor shall adequately protect all dressed woodwork, joinery, fittings and all other finished surfaces against plaster droppings or damage. The Contractor shall make good all damaged surfaces at his/her own expense to the satisfaction of The Housing Specialist.

13.4 Cleaning

The Contractor shall make good all plaster work after other trades. On completion of the work, the Contractor shall have all ceilings, walls, woodwork and joinery carefully dusted and wiped down and windows washed. If the Contractor fails to leave the work free of dust and plaster droppings, he/she shall be charged the cost of commercial cleaners by The Housing Specialist.

My

14. PAINTING

14.1 Scope

The work in this Section shall include all labour, materials and equipment necessary to carry out and complete the painting as shown, together with any other items of work reasonably inferred as part of this Section.

The Contractor shall be familiar with the clauses in Section 1, Preliminary and General, of this Specification which are relevant to this Section.

14.2 Materials and Workmanship

All materials shall be of approved colour as indicated by The Housing Specialist and shall conform to the relevant NZ standards and shall be delivered to the site in unbroken packages bearing brand and maker's name.

The Contractor shall apply one sealer coat and one undercoat prior to applying the oil based top coat. When water based paint is used, the Contractor shall apply one sealer coat and two top coats. — Sami-Boss or Gloss in asces of Watersplash.

It is the Contractors responsibility to notify any defects to plaster work to The Housing Specialist prior to commencing any work.

The work shall be executed by competent tradespeople and shall be carried out in accordance with the best trade practice.

14.3 Protection of Work

The Painter shall take adequate measures to protect all work during painting.

14.4 Exterior

<u>Area</u>	<u>Finish</u>	<u>Colour</u>
Cladding	Brick	'Sumner' Canty Clay
Fascia	Colorsteel	New Denim blue
Downpipes	Coloursteel	New Denim blue

14.5 Interior

<u>Area</u>	<u>Finish</u>	<u>Colour</u>
Walls -3x Beds, Study, Laund,		
Garage	Paint	Matterhorn (British paints)
Ceilings and cornice	Paint	White
Walls - Bathroom & Ens	Paint	Winter sun (British paints)
Ceilings -	Paint	White
Walls - Kitchen, Living, Dining,		
Lounge & passage	Paint	Sour cream (British paints)
Ceilings and cornice (except loung	ge) Paint	White
Ceilings lounge	Paint	Sour cream
Skirtings	Paint	White
Doors & Jambs	Paint	White
Window Reveals	Paint	White

Kitchen joinery, laundry cabinet and vanities to be prefinished by manufacturer.

J Phy

15 FLOOR COVERINGS

Supply and install Lifestyle colour "Atlantic" Carpet on turbo tread underlay and smoothedge to Lounge, Family, 3 bedrooms and study including robes and passage.

Supply and install 'Diva Black' Floor Tiles to laundry, toilet, kitchen, dining, entry, bathroom, and ensuite. (confirm grout colour with client prior to laying)

15.2 Heating

Enersave

Infloor heating to entry dining kitchen 3390watts Undertile heatmat to ensuite and bathroom. 1248watts

Heatpump to family room Toshiba RAVSM 560 hi wall inverter

16 WINDOW FURNISHINGS

Separate contract by owner

17 SITEWORKS

Drive

Exposed aggregate concrete 54 m2

Patio

Exposed aggregate concrete 76 m2

Paths

Exposed aggregate concrete 20 m2 to entrance path.

and 15 m2 to clothesline path

(Concreting value \$10,552.50)

Fencing

Supply and erect fencing

-50 lineal metres of 1.8m paling-4 lineal metres of 1.2m paling

-64 lineal metres of 1.2m picket (100x 20 square dressed

treated)

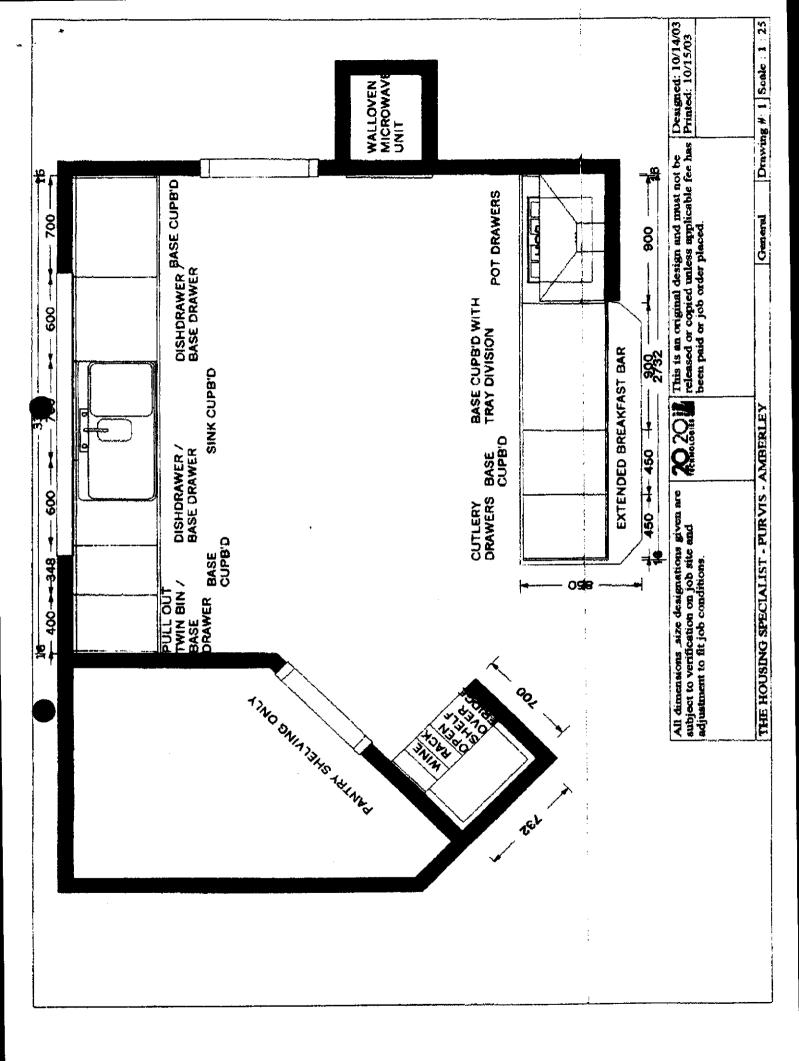
-15 lineal metres of 1.8m trellis

Clothesline

Supply and install a hills 6 line extendaline

A foundation and floor slab for a 2.5m x 3.3m garden shed has been allowed for.

My



No. Suffect for the purposes MENIOR A PRIMARE of the Land Transfer Act SEAVALE ENPREMIS COMME Solic nor for the Transferee LIMITED SEAVALE EXEMPLE COMEAS. Particulars entered in the Perus is shown incrementally in the control incremental in the control in the control is shown in the control in the control in the control in the control is shown in the control in the con SECREBY CERTURY for the purposes of Stamp and Cheque Duties Act that se conveyance duty is oxyable on this instrument er reason of the application of Section 24 (1) of the Act Charlice of a substance of the Sco and that the provisions of sub-Section (2) of that section do not apply Section - Walter History Solicitor for CAN SEE MENDING PERIOR Sulicitors a Darlant St. Rangiora direvacaringe (SE)

OF LAND HAND



CERTIFICATEOFTEELE UNDER EAND PRANCE DR. ACT 1952



Identifies CB43C/1222 Land Registration District Canterbury 05 November 1997

Prior References

Fee Simple

2478 square metres more or less Area

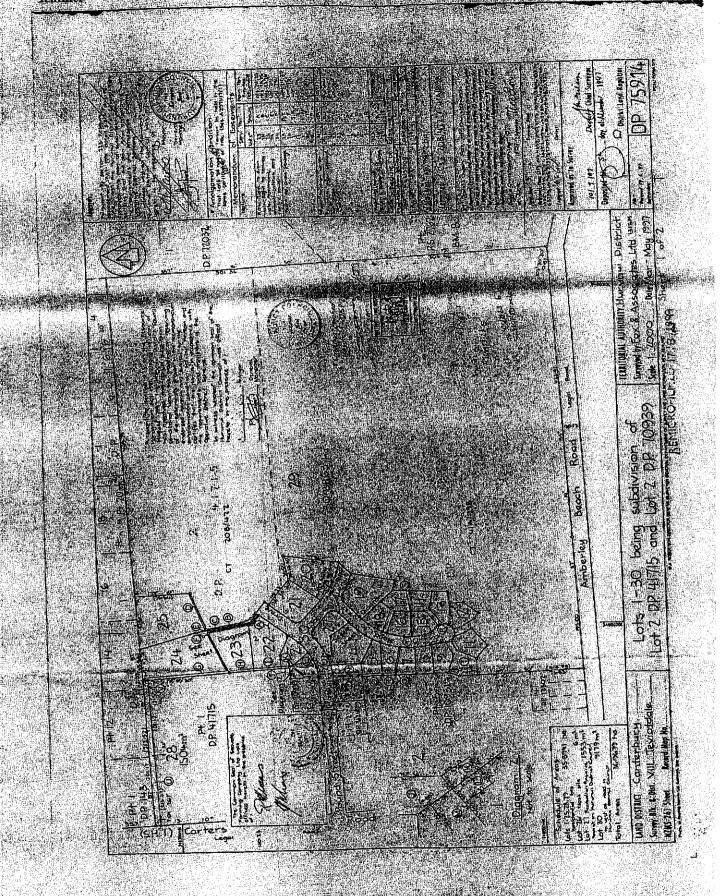
2478 square metres more or les

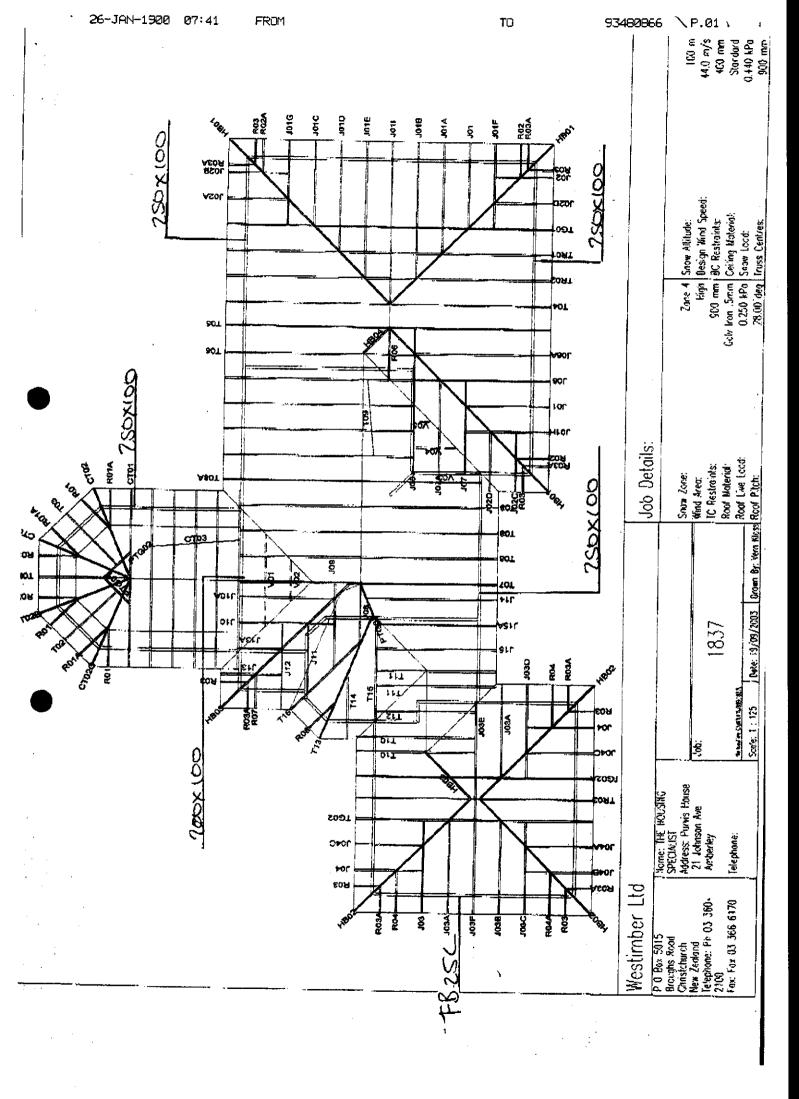
Legal Description Lot 21 Deposited Plan 75914

Proprietors

Seavale Farming Company Limited

in Transfer A324953.17 (limited as to duration) at 114097 and 1





Westimber Ltd

.inh 1837

Description

Client:

THE HOUSING SPECIALIST

TO

Producer Statement ; Page 1

Pulvis House 21 Johnson Ave

Amberley

MT et 2000 - Engineering 4.8 Commet (Budg 1174)

Milliak New Zordand Ltd.

Phone:

Printed: 12.57:47 31 Qct 2009

PRODUCER STATEMENT MITER 20/20 TRUSS DESIGN PROGRAM

Cartification of Millet 20/2019 Truss Design Program

The MITek 20/20TM truss design program has been developed by MiTek New Zealand Ltd for the design of GANG-NAIL timber roof, floor and attic trusses in New Zealand. The trues designs computed by this program are prepared using sound and widely societied engineering principles, and in accordance with NZS 4203, NZS 3803 and NZS 3804 as verification methods and accept proposed building complies with the relevant provisions of the NZ Building Code. This is subject to all proprietary products meeting their performance specification requirements, the provision of adequate bracing, fixings and the correct input of design data carried out by suitably trained personnel.

Summery of Miles 20/20" Truss Design Date and Output

The MITek 20/20TM computer design output for this job titled and located at the site identified on the top of this page is based on the following parameters entered into the program. The owner manufacture that the following job details below are current and relevant to the project before fabrication and arection of the GANG-NAIL trusses.

Job Details

Reof Three Timber Group:

Dead Load: Restraints: Live Load:

WT_DOPx45 Galv Iron .5mm 0.210 kPg 900 mm centres Qur = 0.250 kPa Qc = 1.000 kN

Pitch: Celling

Material: Deed Load:

28.00 deg

Standard 0.200 kPa 400 mm centres 9td Overheng:

Wind Area: Pressure Coeff: 600 mm

High (44.0 m/s) Cpe = varies; Cpl = -0.50, 0.20

Location: Zone 4 at 100 m Open Ground Load: 0.550 KPs Basic Roof Load: 0.440 kPa

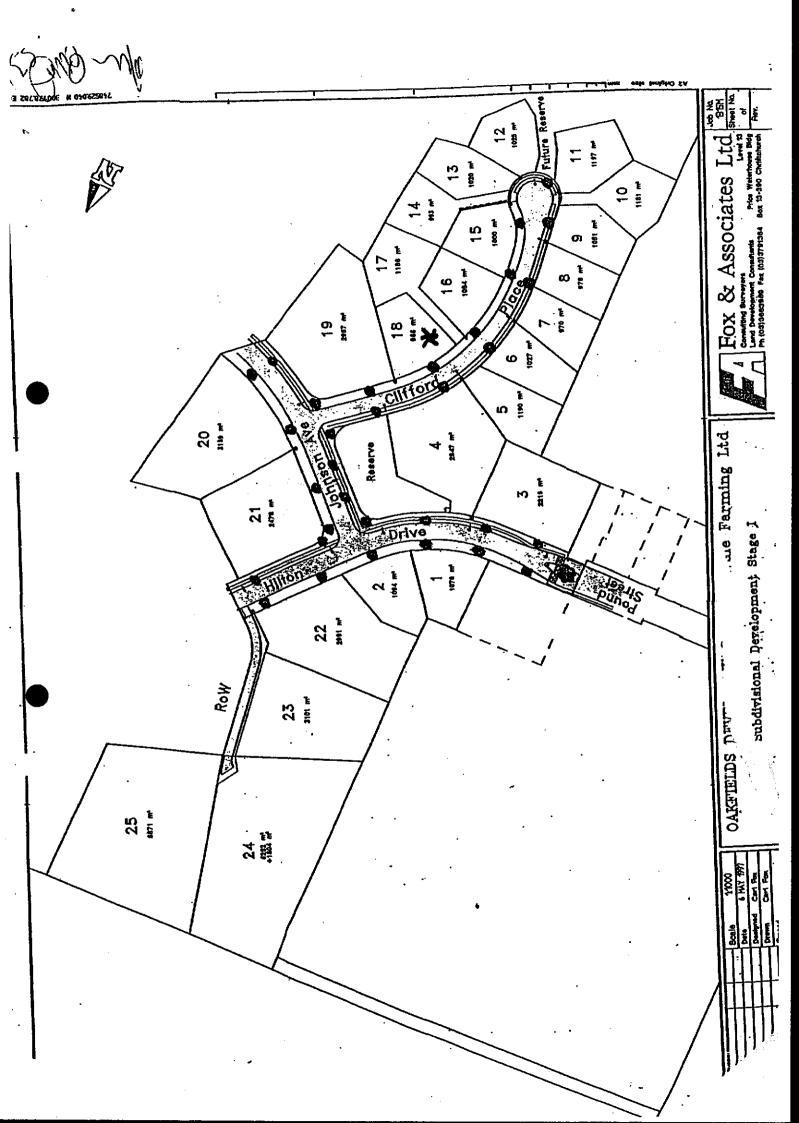
These trueses must be fabricated and erected in accordance with the GANG-NAIL manual. Proper erection bracing must be installed to hold the components true and plumb and in a safe condition tracing is fixed. All permanent bracing and fixing must be installed before any loads are applied. The specifications for timber shall be as shown on the output. The timber shall defined by NZS3604:1999 Section 4.

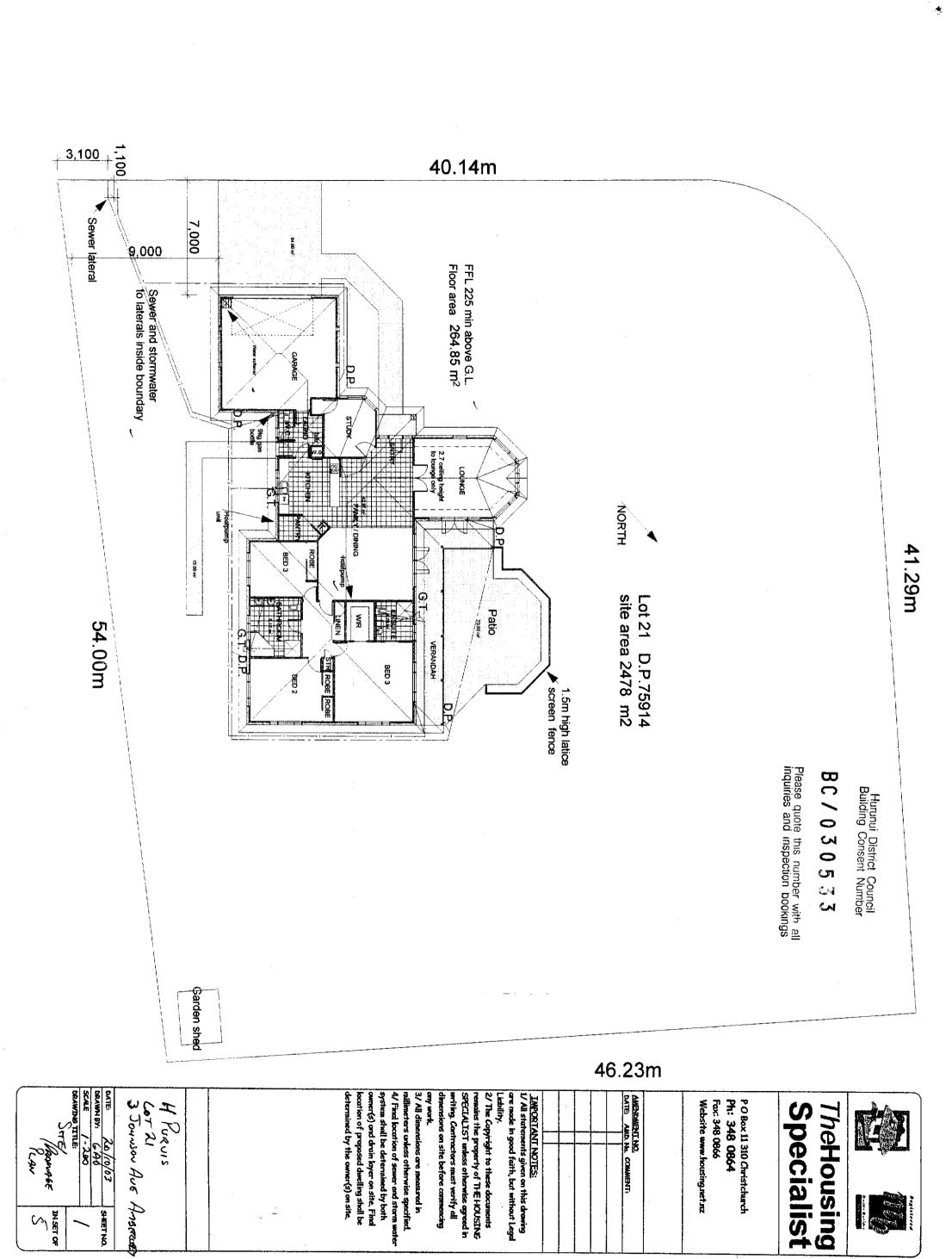
Trues List Legend: * = detail only. ? = input onlyTiel = failed design, Unmarked trusses = designed successfully

Tribe	Qty	Span (mm)	Pitch (deg)	Spacing (mm)	Truss	Qty	Spen (mm)	Pitch (dog)	Spacing (mm)	Truss	Oty	Span	Pitch	Spacing
CTOI	1	4990	28.00	900	CT03	5	4990	28.00	771	J07B	_	(mm)	(deg)	(data)
JO3E	1	2572	28.00	900	J01	ž	2367	28.00	900		1	1772	26.00	900
JO3F	1	2672	28.00	900	JOIA	7	2367	25.00	900	J07C	2	1772	26.00	900
JOS	1	5067	28.00	900	J01B	4	2367	28.00	900	J08	7	3793	26,00	900
JO6	1	4167	28.00	900	JO1C		2367	28.00		J10	1	3277	26.00	900
106	1	3798	26,00	900	J010	4	2367		900	AOPL	1	3277	28.00	900
J21	1	4017	26.16	900	JO1E			28,00	900	J11	1	2367	28.00	900
PTG09	1	1303	0.00	900	J01€		2367	28.00	90C	J12	1	2377	28.00	900
T04	1	10180	28,00	900	J01G	1	2367	28.00	900	Jis	1	1477	26.00	900
TD5	1	10180	28.00	900		1	2367	28.00	900	J13A	1	1477	28.00	900
TC5A	Í	8400	28.00	892	J01H	7	2367	28.00	900	J14	1	3979	28.00	900
106	i	8400	28.00	900	J011	1	2357	28.00	900	J15	1	3600	25.00	900
T07	à	8400	28.00		J02	1	1467	28.00	900	J15A	1	3450	28.00	900
TOS	4	B400		585	J02A	4	1467	28.00	900	J18	İ	2377	28.00	900
TORA	•		28.00	888	J02B	1	1467	28.00	900	J17	1	1477	26.00	900
	- 1	8400 8400	26.00	888	J02Ç	1	1467	28.00	900	J17A	•	1477	26.00	900
	7		28,00	888	1020	2	1467	28.00	900	J18	i	3695	28.00	900
T 1 5	1	3981	26.16	600	J03	1	2672	28.00	900	J19		3277	26.00	900
TG01	1	3695	28.00	900	JO3A	2	2572	28.00	900	J20	- 4	3277	28.00	
	!	10150	28.00	900	J03B	1	2672	28.00	900	J22		3926		900
TG02	!	7190	26.00	900	J03C	1	2672	28,00	900	J23	- 1	2738	28.00	900
TG02A	1	7190	25,0C	900	J03D	i	2672	28.00	900	PTG01	!		29.00	900
TG03	1	7190	25.00	900	J04	2	1772	26.00	800	PTG02	1	1229	28.00	90C
TG03A	7	7190	28.00	60 0	J04A	ì	1772	26.00	900		- 1	1229	28.00	900
TRO1	1	10180	28.00	900	J04B	4	1772	28.00	300	T01	1	2473	28.00	900
TRO2	1	10180	28.00	900	J04C	خ	1772	28.00		T02	1	1849	28.00	900
7F803	1	7190	28.00	200	JCSA	7	2672		900	T03	- 1	1849	26.00	900
CT02	1	2001	26.16	900	JOBA		4187	28.00	900	T10	2	3573	28.00	900
CT02A	1	2001	26.16	900	J06B			28.00	900	711	2	3600	28.00	80C
CT028	1	2001	28.16	900	JC7	1	2672	28.00	900	T12	1	3483	28.00	90C
CT02C	1	2001	26.16	900	J07A		3267	28.00	900	T14	1	1561	25.00	900
		,	10		JUIN	7	3267	28.00	900	T16	1	2747	28.00	900

Total quantity: 107

J ab :	1837		~ !!	Westimber Ltd			Producer Statement : Page
Description	£		Client; Phone:	THE HOUSING SPECIALIST	Site:	Pervis House 21 Johnson Ave	
MTek 2930 - B-	4.3 Gamma2 (B.dg 1974)			Million New Zonland Ltd.	Phone:	Amberley	Protoc 1257,4731 Oct 2000
The comput	ler design input her bee	1 Carried out by:					11000 (LO. 0) 31 VO 200
Signed:	Peres Ru	ASSUN		Date: 31/10/	63		
Name of Con	npular Operator:	Vern Klassen		,			
Qualifications	s and Title:	Precut Manager					
Company:		Westimber Ltd				•	
Verification	Acceptance of Input Da	þa:					***
have checke	ed the input data against &	ne construction drawings :	end specific	pations and verify that they are correct and suite	ble for this job.		
Signed:	(1917994 a) 14 be lane (a)	Printibleshinasiyinasist tiray		Date:	D 785 F-4 84 #24 mbg +4 e		
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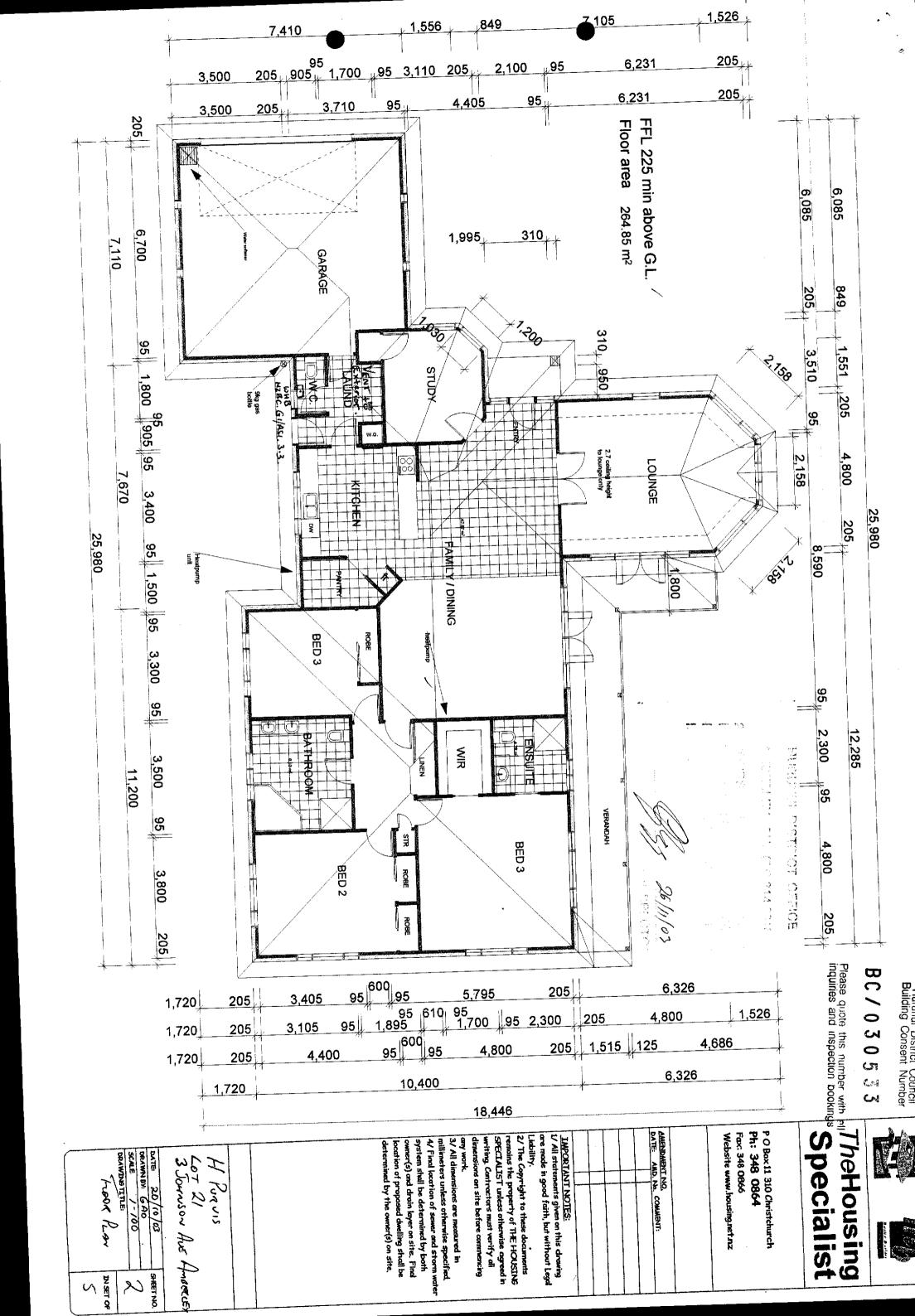
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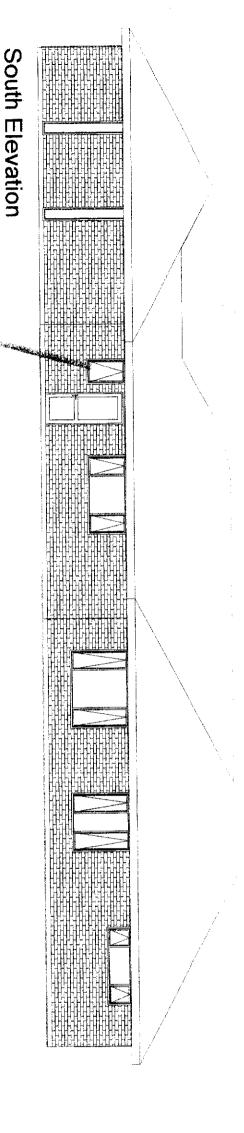
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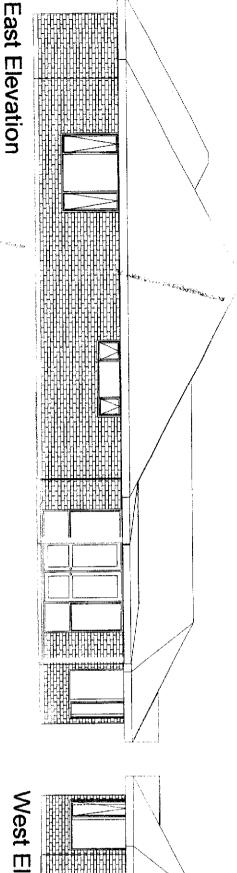
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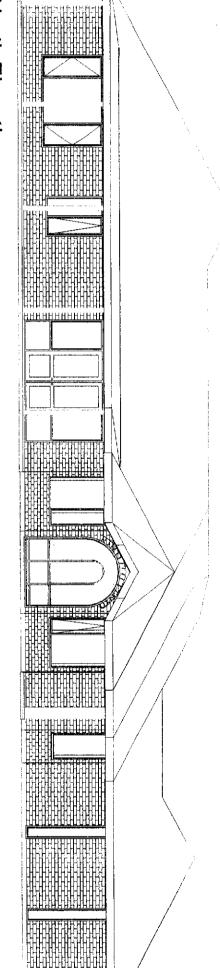
Please quote this number with all inquiries and inspection bookings



HURUNUI DISTRICT COUNCIL
These plans and specifications must be read with the conditions attached to the Building Consent.
All Construction work and materials used shall comply with the New Zealand Building Code, notwithstanding any inconsistencies which may occur in the drawings and specifications.



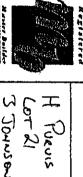
West Elevation



North Elevation

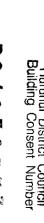


P O Box 11 310 Christchurch
Ph: 348 0864
Fax: 348 0866
Website www.housing.net.rz

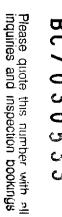


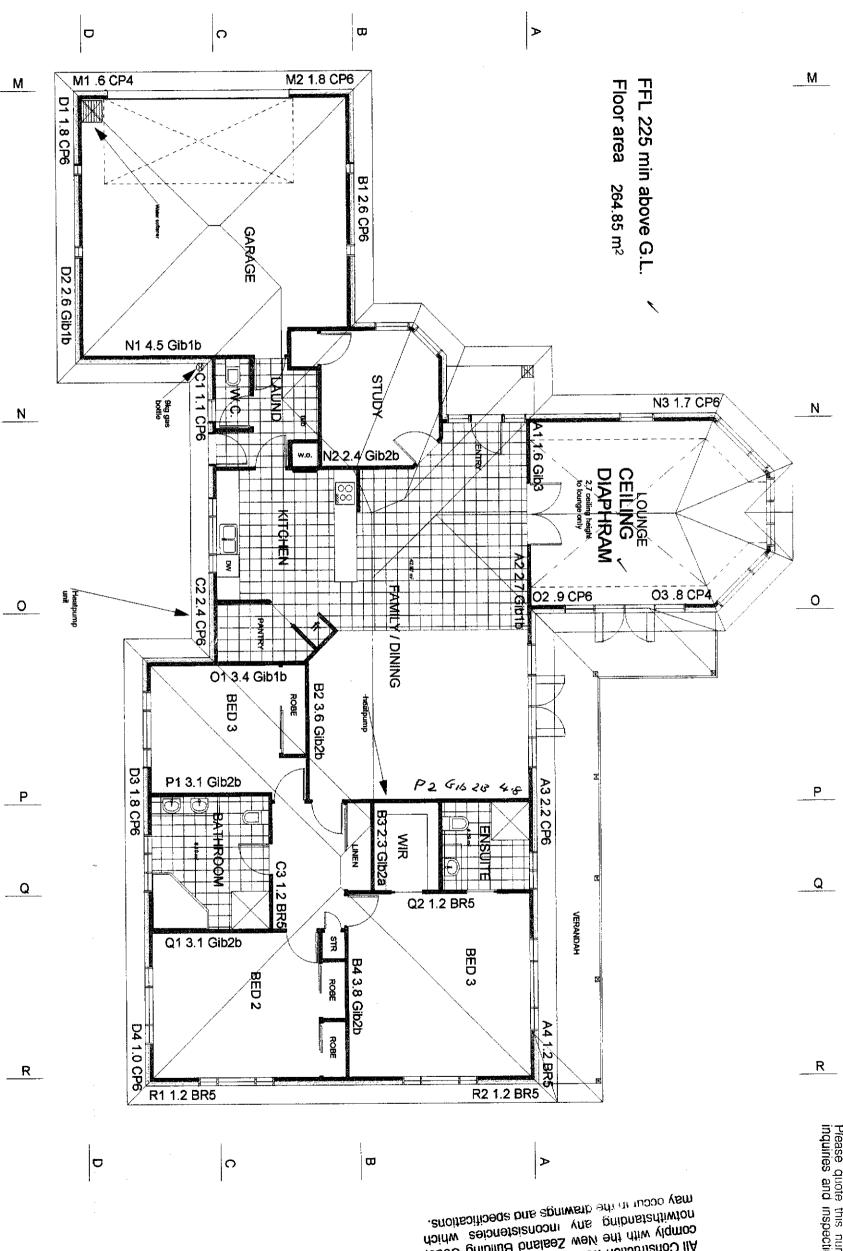
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comply with the New Zealand Building Code,

All Construction work and materials used shall

with the conditions attached to the Building These plans and specifications must be read HURUMUI DISTRICT COUNCIL

he Housing

DRAWNEY:
SCALE
DRAWNEY:

Bracing Plan

IN SET OF

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P O Box 11 310 Christchurch

BC/0305

Hurunui District Council Building Consent Number

	Total wind load, W ALONG: W along x BW = 1/43 BUs W ACROSS W across x BL = 1/423 BUs W across x BL = 1/423 BUs Total earthquake load, EQ ALONG and EQ ACROSS E x GPA BUs = 1/484 BUs	HAW1B BUS/m BUS/m	t Earthquake Zone:	Wind Zone: Low (0) Very high (3) Medium (1) Specific Design (4) High (2)	Terrain: Exposure: Topog Inland 0 Sheltered0 Gentle Exposed 1 Mode Extrer	Building height to apex Stud height above eaves Stud height Average roof pitch Building width Building weights: Subfloor Lower Storey Upper Storey Room in Roof Space Yes No Yes No Yes No Building	AGENT HURANUI (single/upper of two/lower of two	For a software version phone Gib* information Please Photocopy Wall Bracing Calculation Sheet A Job Details box 1
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From Sh Wreq/Erc	ם פ	0 Z	≤ .	Wall or Br	From Sh Wreq/En		Wall or B 1 Line Label A	7 6 11 11
From Sheet A Wreq/Ereq =	O T	0 z		Wall or Bracing Line 1 2 Line Minimum Label BUs	From Sheet A Wreq/Ereq = Across		Wall or Bracing Line 1 2 Line Minimum Label BUs Required	7 6 11 11
A			Required No.	E B	ireq =	02 02 02 02 02 02 02 02 02 02 02 02 02 0	Bracing Bracing Element No.	7 6 11 11
From Sheet A Totals Required Wreq/Ereq = *		9 03 2 03 PV3	Required No. M1 CP4 M2 CP6 M3 G1616 M3 G1626 M4 G1626 M5 G1626 M6 M6 M7 G1626 M8 M8 M8 M8 M8 M8 M8 M8	E B	Totals Achieved Sheet A Totals Required req = *	743 74 72 72 73 73 73 73 73 74 75 75 75 75 75 75 75 75 75 75 75 75 75	Bracing Elements 3 4 Bracing Bracing Element Type No. A1. 6163 A2 G164	7 6 11 11
A	R1 6,223 R2 0,25 R2 0,25 R2 0,25	7/3 01 02 02 03	Required No. M1 CP4 M2 CP6 M3 G1616 M3 G1626 M4 G1626 M5 G1626 M6 M6 M7 G1626 M8 M8 M8 M8 M8 M8 M8 M8	Bracing Bracing Element	Totals Achieved Sheet A Totals Required req = *	43 bess 43 cee 31 cee 32 6.22 63 6.23 64 6.623 67 6.623 67 6.626 63 6.66 63 6.66 64 6.66 64 6.66 64 6.66 65 66 65 66 66 66	Bracing Elements Prox 3 4 Bracing Bracing Ler Element Type Eler No. 41. 41. 41. 41. 41. 41. 41. 41. 41. 41	BC/030 Please Photocopy Please Photocopy Please aunto the three is a company to the company three is a company
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Totals Achieved A Totals Required / 1-36	R1 6,225 2.15 R2 7,25 2.15 R2 7,25 1.2 115 R2 7,25 1.2 115	PV3 (P6 1-7 100 O1 G1C 13 34 7 75 O2 (P4 . 8 . 94 O1 G1020 3-1 80 O2 (1-7 1-8)	Required No. (m) m1 (P4 - 6 m2 (P6 1-8 N) (5:515 4:5	Bracing Elements Provided W 3 4 5 6 W Bracing Bracing Length Rating Element Type Element RI I/m	Totals Achieved Sheet A Totals Required req = *	A3 DAS 1-2. -1/5 1.00 2.1 A4 CP6 A.2	Bracing Elements Provided 3 4 5 Bracing Bracing Length Element Type Element No. L 41. 6163 1-6 A1. 6163 1-6 A2. G.C.C. Z.7	BC/030jj
Totals Achieved W A Totals Required * /-36 W	61 6:25 3:0 8:0 20.8 3:0 62 6:25 1:2 1:5 1:38 8:5 R1 8x5 1:2 1:5 1:38 8:5 R2 6:25 1:2 1:5 1:38 8:5 R2 6:25 1:2 1:5 1:38 8:5 R2 6:25 1:2 1:5 1:38 8:5	N3 (P6 1-7 100 170 01 G1613 3-4 · 75 255 02 (P4 .8 · 94 752 01 G1620 3-1 · 80 349 87 61676 4-8 · 80 349 71 61676 4-8 · 80 349	Required No. (m) (BUmxL) E m1 (P4 -6 97 58-7 95 N1 (5616 45 75 737-5 50	Bracing Elements Provided Wind Earth 3 4 5 6W 7W 6E Bracing Bracing Length Rating BUs Rating Element Type Element RI I/m Achieved RI I/m	Totals Achieved W 26/8 Sheet A Totals Required * 97. req = *If Wreq/Ereq is 1 or less corn if Wreq/Ereq is 1.5 or more of the complete both w	A3 DAS 1-2. -1/5 1.00 2.1 A4 CP6 A.2	Bracing Elements Provided 3 4 5 6W 7W 6E Bracing Bracing Length Element Type Element (m) No. 41. 41. 41. 41. 41. 41. 41. 41. 41. 41	BC/030多う Please Photocopy Please quote this Wall Bracing Calculation 等性eeで G Along

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may occur in the drawings and specifications. All Construction work and materials used shall comply with the New Zealand Building Code, notwithstanding any inconsistencies which

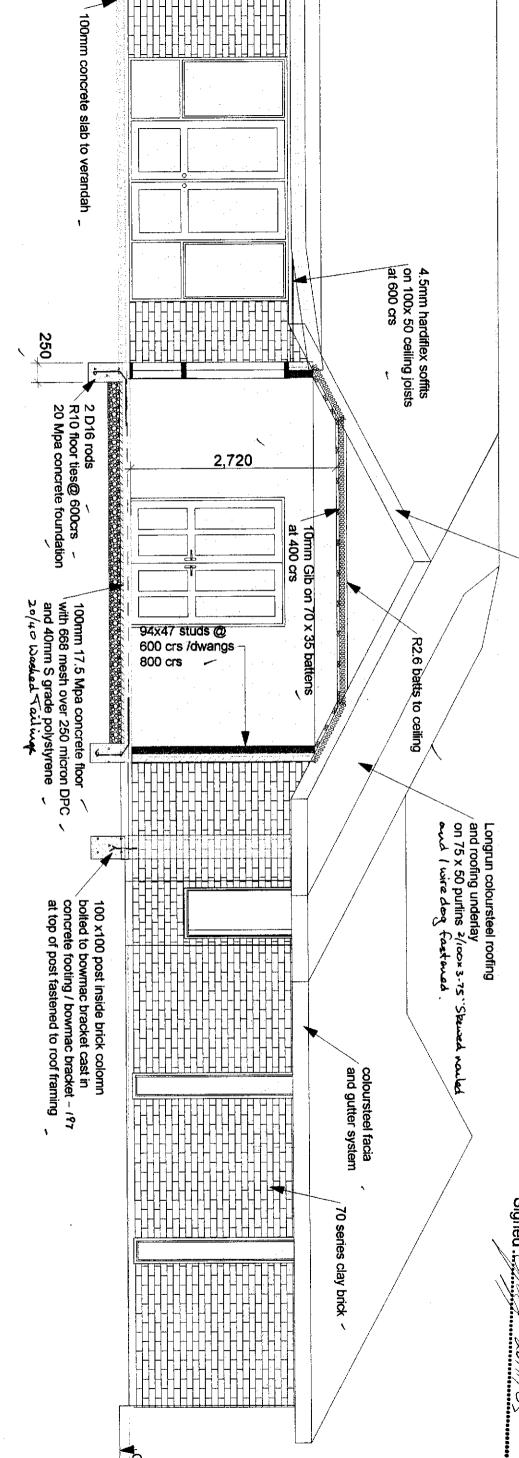
Consent These plans and specifications must be read with the conditions attached to the Building HURUNUI DISTRICT COUNCIL

BC/030533

Please quote this number with all inquiries and inspection bookings

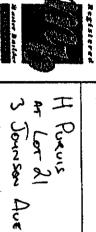


Prefabricated trusses by approved manufacturer -





P O Box 11 310 Christdrurch Fax 348 0666 Ph: 348 0864 Website www.housing.net.rz



	39 All dissentations are measured in millimeters where observine systified. 49 Final bocation of seaver and storm water system shall be determined by bulk owner.	unless otherwise agreed in writing. Contractors must verify all dimensions on site but commonsing any work.	1) All statements given on this drawing are made in good falls, but without Legal Link 2) The Constitute of these drawings are made in good falls, but without Legal Link 2) The Constitute of these drawings are made in good falls, but without Legal Link 2) The Constitute of the constitute of the property of The HOUSING SPECE
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