Sharalyn Fraser

Statement of passing over information – This information has been supplied by the Vendor or the vendor's agents. Accordingly, Sharalyn Fraser Agency (Ownly Limited licensed (REA 2008) is merely passing over the information as supplied to us by the vendor or vendors agents. We cannot guarantee its accuracy and reliability as we have not checked, audited, or reviewed the information and all intended purchasers are advised to conduct their own due diligence investigation into the same. To the maximum extent permitted by law Sharalyn Fraser Agency (Ownly Limited licensed (REA 2008) does not accept any responsibility to any person for the accuracy of the information herein

CODE COMPLIANCE CERTIFICATE

Section 95 Building Act 2004 [Form 7 - Building (forms) Regulations 2004]



Consent No: 170119

	The B	uilding	
Street address of building:	12 Murray Court, Paraparaumu	Building name:	N/A
Current, Lawfully	rrent, Lawfully Residential Dwelling Location of building within site/block number:		
established, use:	2 Section and control of the processing of	Intended life of the building 50 years or less:	if -
Level/unit number:	Single level	Year first constructed:	2001
Legal description of land where building is located;	LOT 4 DP 83038 C/T 49C/746		
	The G	Owner	
Name of owner:	Buckland-Jones Myles David & Buckland-Jones Kay	Street address //registered office:	V/A
Contact person:	-	Phone numbers:	
Mailing address:	12 Murray Court Paraparaumu Beach Paraparaumu 5032	Landline: -	
		321 331	21 123 3870
Estate Carte (Carte)		Daytime: -	
Email address:	kiwidragon@clear.net.nz	After hours:	
Website:		Facsimile number: -	
First poin	t of contact for communication	ns with the Kapiti Coast Di	strict Council:
Full Name: Bill Francis Mailing Address: PO Bo Phones:: 04 296 1248 Email: billfrancis@parad			
er eas die het die skeep op geween e		g Work	
Building Consent No:	170119	Issued by: K	apiti Coast District Counci
Project Description:	Reroof & reclad existing dwelling		

Code Compliance

The building consent authority named below is satisfied, on reasonable grounds, that: (a)the building work complies with the building consent;

Michelle Salmon --

Building Inspections Team Leader

On behalf of Kapiti Coast District Council

Date: 07 February 2019

CODE COMPLIANCE CERTIFICATE

Section 95 Building Act 2004

Consent No: 150304



	The E	Building	
Street address of building:	12 Murray Court, Paraparaumu	Building name:	
Current, Lawfully	Residential dwelling	Location of building wasterblock number:	vithin
established, use:	Residents offering	Intended life of the bu 50 years of less:	liding if
Levelrunit number:		Year first constructed	lt.
Legal description of land where building is located:	LOT 4 DP \$3038 C/T 49C/746		
	The	Owner	
Name of owner:	Buckland-Jones Myles David 8 Buckland-Jones Kay	Street address /registored office:	·
Contact person:		Phone numbers:	
Mailing address:	12 Murray Court Paraparaumu 5032	Landline:	
		Mobile:	
		Daytime:	
Email address: Website:		After hours: Facsimile number:	
First poli Full Name: The Hearing Mailing Address: PO Bo Phones : 298 6556		ов жит те карш Со	ist District Council:
		ng Work	
Building Consent No:	150304	Issued by:	Kāniti Coast District Council

Code Compliance

Project Description:

The building consent authority named below is satisfied, on reasonable grounds, that:

Install Masport R1500 WS Freestanding Woodburner.

(a) the building work comples with the building consent

Russell Brook - Team Leader - Site Inspections

On behalf of Kapiti Coast District Council Date: 12 June 2015



CODE COMPLIANCE CERTIFICATE

SECTION 95, BUILDING ACT 2004

THE OWNER

Hildreth Trevor John & Hildreth Raewyn Anne	No.	070637
12 Murray Court	Issue date	8/09/09
PARAPARAUMU 5032	Application date	7/06/07

THE BUILDING

Street Address 12 Murray Court, Paraparaumu

Valuation No. 1527258501

Legal Description LOT 4 DP 83038

Intended Use Residential

Intended Life Indefinite, but not less than 50 years

Current Use Residential

Proposal Swimming Pool/Alter Retaining Wall

Estimated Value \$1

Code Compliance

The building consent authority named below is satisfied, on reasonable grounds, that -

- The building work complies with the building consent; and
- b) The property owner must follow and carry out the manufacturers prescribed maintenance procedures.

Signed for and on behalf of the Kapiti Coast District Council:

Signature:

Date:

8 SEP 2009

Code Compliance Certificate Number:

10064

(Section 57(3) (a), Building Act 1991)

Territorial Authority: Kapiti Coast I		District Council	Building Consent Number: 010009	
Project Informat Resource Conse	on Memorandum Number: ent Number:	1001100	FOR YOUR RECORDS	
	Project		Project Location	
Project Type:	New Building	Owner:	Frank & Julie McCarthy	
Intended Use:	Dwelling	Street Address	s: 12 Murray Court	
Lifespan: Specified as 50 Years			To morning death	
Being Stage	1 of an Intended 1 Stage	95.	Paraparaumu	
Builder	Hayden & McKay	Legal Lot #	4	
Plumber	TBA	Legal DP	83038	
Drainlayer Other	TBA			

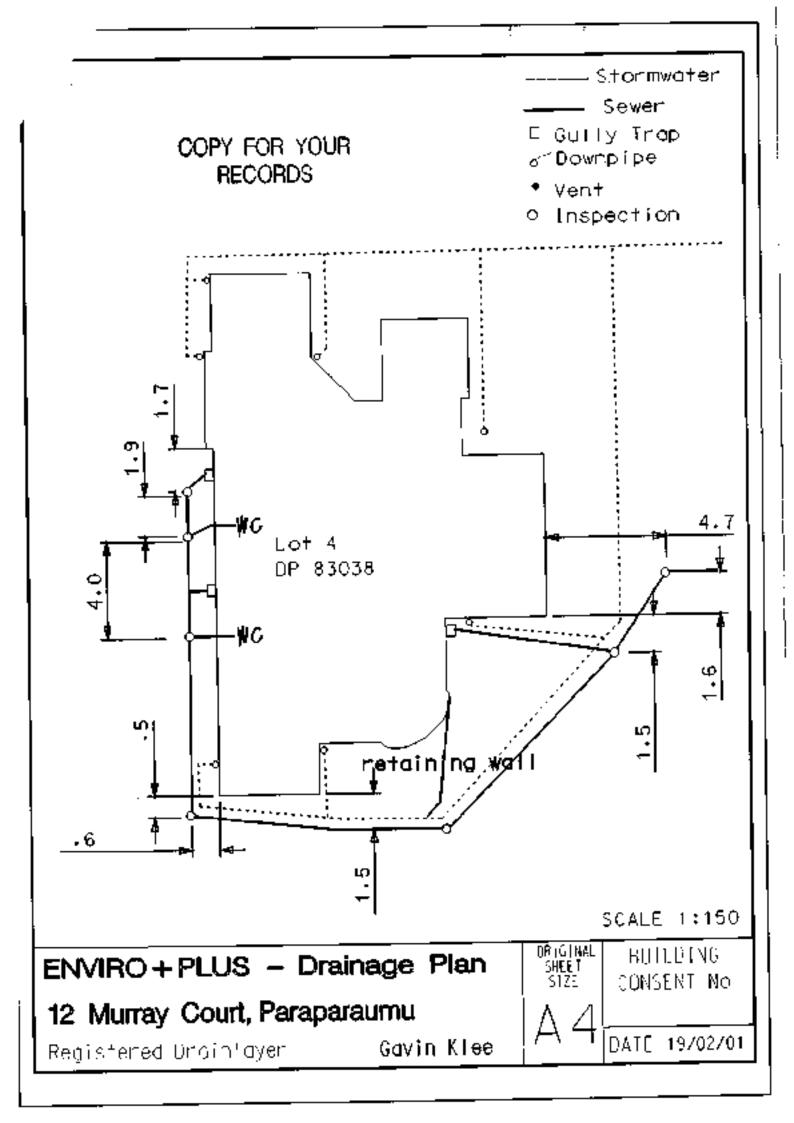
This Certificate does not apply to Electrical Wiring or Gas Fitting:

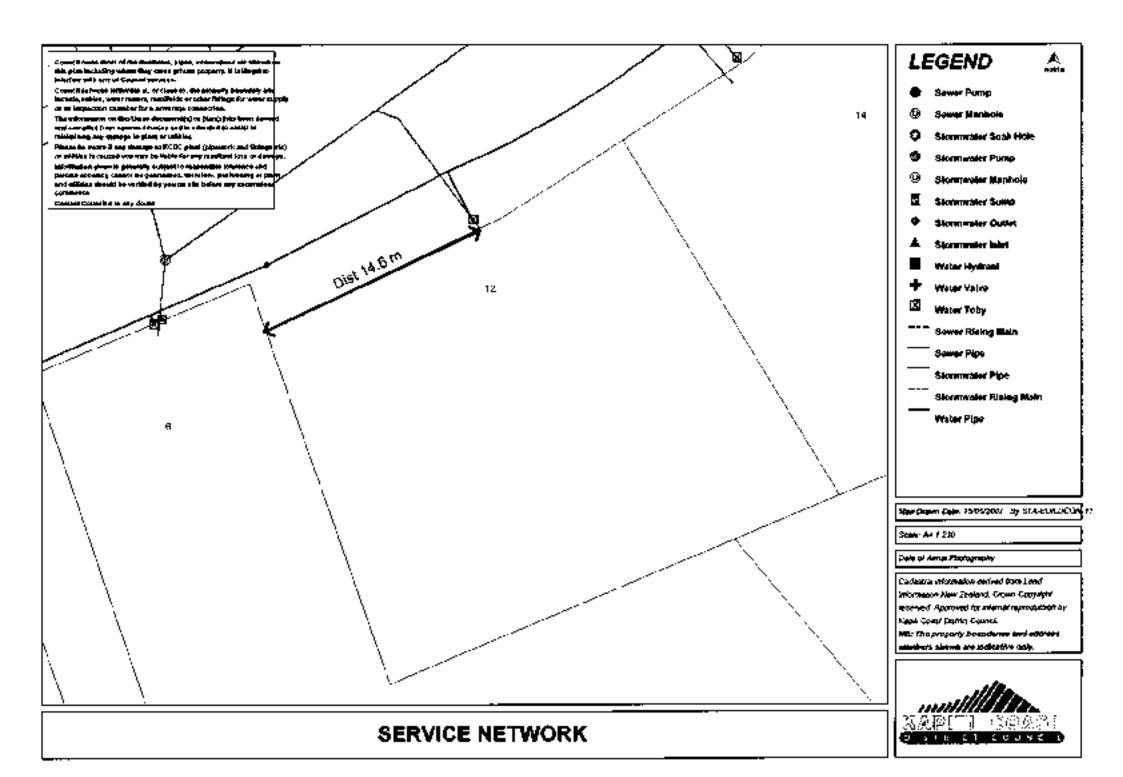
This is a final code compliance certificate issued in respect of all the building work under the above building consent.

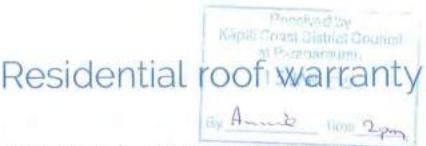
Signed by or for and on behalf of the building certifier

S. P. Stradling

Monday, 7 May 2001







BC 170119,

(A)GERARD

Address Warranted

12 Murray Court Paraparaumu Beach

Gerard Certified Roofer Allroof Solutions Limited

Name of Purchaser

Van der Meer

Product Description

Gerard Corona Tex Onyx

Warranty Date

19.02.2018

Warranty

137989

Purchase Order

12 Murray

Standard residential environments

Low/medium corrosion areas - more than 750m from breaking surf



WEATHERPROOF

if the roof fitted at the above address has been correctly installed and does not continue to satisfy the external moisture requirements of the New Zealand Building Code (in force at the Date of Warranty) for a period of 50 years from the Date of Warranty, we will at our option, repair or replace the roof or the affected part of it.





SURFACE COATING

If, as a direct result of a manufacturing defect, the surface coeting of any tile or trim comprised in the roof fitted at the above address deteriorates during the period ffrom the Date of Warrantyl of 20 years for Textured Coated products or 15 years for Satin Finish products, to the extent that, in our reasonable opinion, the appearance of the roof is substantially affected, then we will at our option replace the affected products, apply our surface coating to the affected tile or provide other reasonable compensation to the Purchaser.

During an initial period following the Date of Warranty, we will bear the full cost of fulfilling the warranties (including material and labour costs in removing and replacing or repairing defective tiles or frim and any inspection, freight or waste disposal costs).

During the subsequent period, those costs will be shared between us and the purchaser for subsequent homeowned as shown below.

Weatherproof warranty

Surface Coating warranty Textwed Coated Tite

Surface Coating warranty Salin Finish Tile

http://percit E/Janit.chepuna.regisochent

First 25 years

First 10 years

First 5 years

Subtractional period

Years 26 - 50, as per Schedule A

Years 11 - 20, as per Schedule B.

Years 6 - 15, as per Schedule C

Severely corrosive environments

Exposed marine areas - less than 750m from breaking surf





WEATHERPROOF

If the roof fitted at the above address has been correctly installed and does not continue to satisfy the external moisture requirements of the New Zealand Building Code (in force at the Date of Warranty) for a period of 25 years for Textured Titles or 35 years for Satin Finish Titles, from the Date of Warranty, we will at our option, repair or replace the roof or the affected part of it.





SURFACE COATING

If, as a direct result of a manufacturing defect, the surface coating of any tile or trim comprised in the roof fitted at the above address deteriorates during the period from the Date of Warrantyl of 10 years for Textured Coated products or 6 years for Salin Finish products, to the extent that, in our reasonable opinion, the appearance of the roof is substantially affected, then we will at our option replace the affected products, apply our surface coating to the affected tip or provide other reasonable compensation to the Purchases.

Residential roof warranty



Warranty Conditions & Exclusions

- The warrantes apply only if the Purchaserhas made full payment for the supply and fitting of the roof.
- 2. As colour variations may exist in sites and trims manufactured of different times, we reserve the right to repair or replace a title or trim in the closest evaluable colour in our range at the time of repair or replacement.
- 3 The performance of a coof or individual, thus may be affected by the following. The warranties do not apply (and we are not liable) if:
 - the roof/tites/frims are not maintained strictly in accordance with the Gerard Roofs
 Heintenance Guidelines issued by us from time to time fishich include amongst other
 fings, repainting satinities after as years if years in sovere marine eminorments or if
 certain signs of deterioration are exhibited);
 - b. the bits and other rooting materials are not stored, hendled and installed strictly in accordance with the Gerard Roofs Installation Guide issued by us from time to time.
 - any work is done to the roof other than temporary emergency work or work carried out under our supervision, or subject to our prior inspection and prior written approval.
 - d. the product manufacturers' recommendations relating to the use of roof cleaning products see not stacitly followed.
 - e. the performance of the roof /tiles/him has been affected by:
 - faulty rooting design or faulty installation such as, but not limited to incorrect specification of the product, the inappropriate use of dissimilar metals or substitution with materials not supplied by us.
 - faulty design or workmanship in the creation of penetrations in the roof is g. serials, skylights, vants, pipeworks.
 - ii. damage caused by anyone walking, or other unusual traffic on the roof.
 - hallstones moisture retaining substances druppings from wildfile; pollutants, corrosive agents furnes; dust poten; or organic growth;
 - v. defects in the structure on which the roof has been fitted.
 - W any unissed natural phenomena or act of god including, without limitation, earthquakes, fires, floods, lightering, heavy helt, the build up of snow or other natural substances or winds stronger than those which the roof ought responsibly to have been designed and built to withstand, given the building's location, site conditions, design and any other relevant factors.
 - f the roof/fles/frims are not installed in accordance with the requirements of the New Zealand Building Code
- 4. The warranties do not cover land we are not liable for:
 - a. Installation of the roof this is the installar's responsibility.
 - b. The performance of Gerard Vision Tiles, skylights or vents.
 - c. rust (red or white) on, or run off from rust on, roof festeners.
 - a. Yalos' of rust fied or whitel on the surface of life or trims surrounding fasteners.
 - normal wear and tear natural weathering, variable dishering, gradual fading or challing of titles or brins;
 - variations in the colour or texture of Textured Coated products arising from natural variations or the presence of other misroets in the crushed rock used in the chip with which the bles are made.
- 5. To the fullest extent permitted by law, we will not be tiable for any consequential, indirect or special damage or loss of any kind whatsoever including (without timitation) damage to other property or building elements, loss of profits or anticipated savings, or any such tosses arising due to any datay by us in complying with our obligations under the warranties.
- Each of the limitations in paragraphs 3.4 and 5 lendarry part of each of those limitational is a separate limitation applying even though one or more of the other limitations may be held not to apply in the circumstances.
- All warranties, biobilities and obligations, other than those specified in this warrantly, are excluded to the fallest extent permitted by law
- Any replacement or remedial work carried out under a warranty does not extend the term of any warranty

Other things you should know

- g. To communder the warranties and as a condition of our habitly under the symanties
 - the Purchaser must deliver unities notice of the claim to the email or business address below and complete the warranty claim form which we will provide by return email or post to the address you specify in the notice.
 - any claim must be made within 3 months of the date the Purchaser become aware for ought to have been award of the matter giving rise to the ctain.
- 10 Any expense incurred in claiming under the warranties is to be borne solely by the Purchaser.
- 13. Subject to paragraph 1. this warranty extends to subsequent owners of the property.
- 1.8 The benefits gives by the warrantes are in addition to other rights and remedies analytic to the Purchaser under any law which estates to the root/lifes/Inms, except to the extent excluded by this warranty.
- Any failure, delay or indulgence by us will not operate as a waiver. A waiver by us of any condition of these warranties is not a waiver of any other condition. Ne waiver is effective unless it is in writing.

SCHOOLEA Westermost (Mess)

Mile	Company Contribution %	Parchaser/Owner Contribution %
1-25	100	NK
26	50	50
27	46	52
20	46	54
29	44	55
30	42	58
34	40	60
32	36	62
33	36	64
34	31	66
35	32	68
35	30	70
37	88	72
38	26	74
39	74	76
40	22	78
41	20	80
42	18	62
43	16	84
-44	14	86
46	12	88
46	30	90
47	8	265
48	6	94
40	4	gfi
50	2	98
51*	NII.	100

Today Chicago

SCHOOL CO.

Year	Company Contribution is	Purchaser/ Dener Contribution(s)	Contribution S	Purchases/ Ourser Contribution's
1-5	100	161	100	MI
6	100	161	67	33
7	100	MI	80	46
8	100	MI	54	45
9	100	PAIL	47	53
30	100	MI	40	60
33	50	50	34	66
15	45	55	27	73
13	40	60	20	80
14	35	65	14	86
35	30	70	7	93
16	25	75	NE	100
17	20	Bo	NR	300
16	15	85	NR.	100
19	10	90	NR	100
30	5	95	NI	300
231	PAL	100	NI.	300

The warranties are given by AHI Spoting Limited trading as Gerard Roofs treferred to here as we or usi.

90-304 Felton Matthew Ave. PO Box s8071, Cleminnes, Auckland. Telephone oBoo 244,737 E-mail info@gererdrocfs.co.nz BC170119 Received by Kapiti Coast District Council 12/12/2018 via email









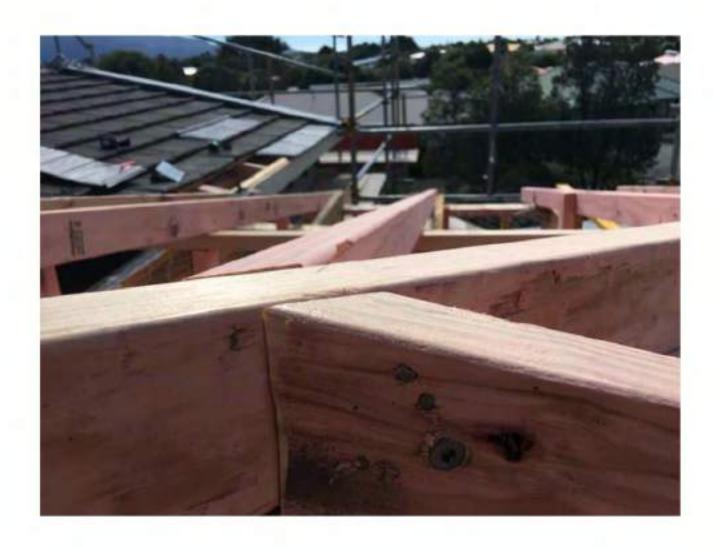










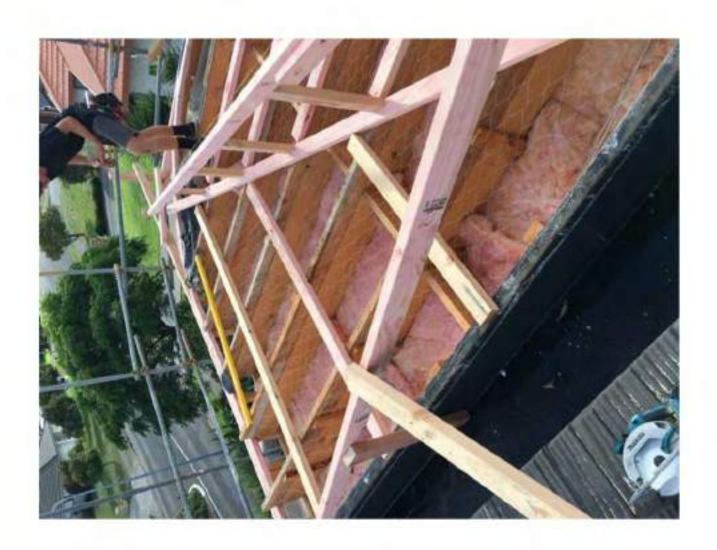














Sent from my iPhone

Memorandum from Licensed Building Practitioner: Record of building work

Section 88, Building Act 2004





THE BUILDIN	IG				
Street address	s:	12 Hurry CT			
Suburb:		Pasapalaonee			
Town/City:				Postcode	
THE PROJEC	T				
Building cons	ent r	number:			
THE OWNER	(S)			LEY'S	P. Landy
Name(s):	L	Tylor + Kay Rackland	1 Jon	ien	
Mailing addre	ss:	12 Musy C7			
Suburb:		Parounum PO Bo	x/Privat	e Bag:	
Town/City:				Postcode	
Phone number	er:	Email	address		
RECORD OF	wo	RK THAT IS RESTRICTED BUILDING	WORK		
PRIMARY STRU					
Work that is restricted building work	0	Description of restricted building work If necessary, describe the restricted building work			Carried out or supervised Tick (v) whether you carried out the RBW or supervised someone else.
Foundations	0				<u> </u>
and subfloor	0				Carried out
framing					
Walls	0				Carried out
					Supervised
Roof	0	By all Roef	Solut	ton	Carried out
					Supervised
Columns and	0				O Carried out
beams	~				Supervised
Bracing	0				Carried out
					Supervised
Other	0				Carried out
124000E	11255				Supervised

THE RESERVE OF THE PERSON NAMED IN	THAT IS RESTRICTED BU MANAGEMENT SYSTEMS	JILDING WORK	
Damp proofing			Carried out Supervised
Roof cladding or roof cladding system	By all Ro	1 Solder	Carried out Supervised
Ventilation system (for example, subfloor or cavity)			Carried out
Wall cladding or wall cladding system	Richal House Not Deck	Bales trades	Carried out
Waterproofing			Carried out Supervised
Other			Carried out Supervised
ISSUED BY	THE RESERVE TO SERVE THE PARTY.	10 to	STREET, SQUARE, SQUARE,
Name and contact details of the Name: Covalpha	Control of the Contro	LBP number: /0622/	ited building work.
	SI		
Plumbers, Gasfitters and	Drainlayers registration number (if applicable):	
Mailing address (if different	from balow): 9 Kalak	L Down Panguerne	
Street address/Registered			
Suburb:		Town/City:	
PO Box/Private Bag:		Postcode:	
Phone number: 027	6663238	Mobile:	
After hours:		Fax:	
Email address: Police	Ide a xpr. c= NZ	Website:	
DECLARATION Martine: Martin	Min	supervised the restricted building w	ork recorded on this form

fairview

PRODUCER STATEMENT - CONSTRUCTION (PS 3)

Building Conse	nt No:			
lasued by:	Fairview Keplii			
To: (City/Distric	ct Council)			
in respect of B	uliding Consent Appil	cation Number:		
Granted To (Bu	ikling Consent Appli	cant):		
in Relation to:	Supply only of 20 x	aluminium windows & c	loors (Silver St	er)
At:	12 Murray Court, PAI	RAPARAUMU		
Lot: I: Fairview Ka	DP: piti have been en		SO:	
(Building Cons	eent Applicant)		· · · · · · · · · · · · · · · · · · ·	
To Mamufactur	ne only			
<u> </u>	Aluminium Windows appositications as sup	& Doors in accordance was plied by Carl Van der Mee	ith plans and or Building	
extent required Windows NZS requirements for regular series of	by the New Zealand B 3 4223 (Part 3) Glas or the combined value 1 Boos as listed in 1s	hat the building work specificallding Code - NZS 4211: 1 zing and NZS 3504: 191 as of aluminium joinery and able C1, NZS:4218. Pine latement is accepted, it was for the purpose of estables.	985 Specification 97 Specification d 4-12-4 double clear H3.1 Timi will be refied up	n for Mindows. Hi glezing, With an Re- ber Uners. I pon by (City/District
Constructor:	Fairview Kapiti 24 Birmingham Stre PARAPARAUMU	●t	Date:	30/04/18
	Phone 04 902 6668			

Form 6A

Memorandum from licensed building practitioner: Record of building work

Section 88, Building Act 2004

Please fill in the form as fully and correctly as possible.
If there is insufficient room on the form for requested details, please continue on another sheet and attach the additional sheet(s) to this form

Street address: 12 Murray Court,	
Subsuito: Paraparaumu	
Towns City:	Postcode:
·	
	<u> </u>
Building consent number:	
Namels): Carl Van Der Meer Buik	iers Limited
Mailing address: Box 1673	
Suburo: Paraparaumu Beach	PO Box/Private Bag:
Town/City: Paraparaumu	Postcode:
Phone number: 0274463238	Email address odvbuilders@xtra.co.nz

PRIMARY STRUCT	URE		
Work that is restrict building work	ted	Description of restricted building work	Carried out or supervised
Tick 🕙		If necessary, describe the restricted building work.	Tick (2) whether you carried out the restricted building work or supervised someone che cerrying out the restricted building work.
Foundations and subfloor framing			Cernied out Supervised
Walls			Carried out Superweed
Roof			Carned out Supervised
Çolumns and beams			Carried out Supervised
Bracing			Carried out Supervised
Other			Carried out Supervised

EXTERNAL MOISTURE MANAGEMENT SYSTEMS			
Work that is restricted building work	Description of restricted building work	Carried out or supervised	
THE 2 0	If necessary, describe the restricted building work.	Tick O whether you canved out the resulted building work or supervised someone else carrying out the restricted huilding work.	
Damp proofing		Carried out Supervised	
Roof cladding or roof cladding system	Supply and Install Gerard Corona Shake Roofing as per quote 855.	Carned out Supervised	
Ventilation system Ifor example, subfloor or cavity)		Carried out	
Well cladding or wall cladding system		Carried out Supervised	
Waterproofing		Carried out Supervised	
Other		Carried out	

Name and contact details of the licensed building practitioner who is licensed to carry out or supervise restricted building work. Name: allROOF Solutions Ltd LBP number: 112371 Class(es) licensed in: Roofing R3 Plumbers, Gasfitters and Drainlayers registration number (if applicable): Mailing address (if different from below): Street address/Registered office: 9 McGrath Avenue Suburb: Paraparaumu Beach Town/City: PO Box/Private Bag 736, Paraparaumu Postcode: 5254 Phone number: 04 2970449 Mobile: 0274328925 After hours: 0274328925 Fax: Website: www.allroofsolutions Email address: sales@allroofsolutions.co.nz

DECLARATION	
Chris Burgess	carried out or supervised the restricted building
work recorded on this form,	0.0
Signature:	Monga
Date:	30/7/2018

Department	✓ For Referral	Comments	Approving Officer / Date
Resource Consents (if envelope altered)			
Plumbing and Drainage BC2			1
Building BC2			29/11/18
Fire Design BC8			
Compliance Schedule BC2 & Bl6			
Environmental Health			
Other			
Reviews required BC2 and BC5			
NOTES:			

AMENDED BUILDING CONSENT APPLICATION COVERSHEET (Green Folder)



Building Consent No.	170119A		
Building Project	Reroof & reclad existing dwelling		
Location (Site Address)	12 Murray Court, Paraparaumu		
Description of amended work			
	Balustrade		

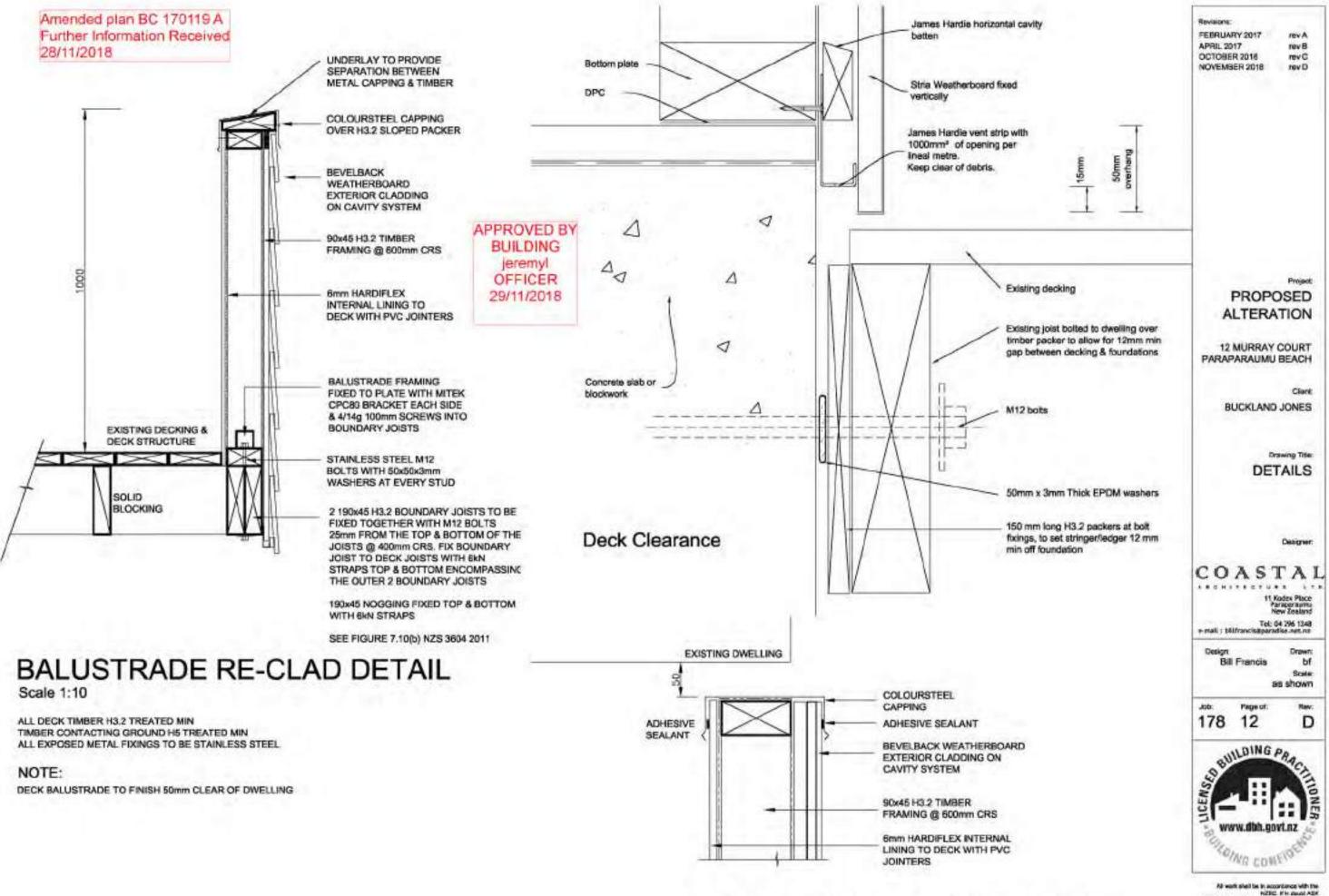
Received: RECEIVED 31 OCT 2018 BY:

Note: A signature confirms that the application contains sufficient information to enable compliance with the building code to be assessed.

	Name	Date
Vetted and formally received BC5	Heather Wright	31/10/2018
Payment taken and receipted BC5		
Data entered and invoiced by CSO BC5	Vivetio	02.11.18
Documentation prepared/scanned	1112110	NT 11.10
Plan production and invoicing BC5	Jereny	29/11/18
Building Consent Amendment signed BC5	Simi	30/11/2018
Amendment approved plans and appropriate paperwork sent to applicant or agent with receipt by CSO BC5	YIM JUN	30/11/18
	0	

Dialogue Record List further information requested, info received, records / reference of communication etc. via Phone / Email / letter / counter / fax				
Date / time	State content of discussion!!!	Initials		
	DISCUSSED WHAT EXACTLY WAS			
	MARREWING HERE WITH BUILDER DOWN			
26 [11	THE OUS			
26/11	e-al Bell Prenew	Ju		
26/11		on		
28/11	enul	On		
		Henry		

Documents selected for building packet				
Timesheet record	for charging (first half hour pa	id with application fee)		
Date	Name	Activity	Time	
26/11	Jecen	Processon - es.	I w.	
29/11	Jeren	Processary - es.	1 6.	
		9 11		
Notes: Addenda conditions, amendment to compliance schedule etc.				



Scale 1:5

BALUSTRADE CAPPING SIDE

All work shall be by accordance with the WZIIIC. If is dead All? The Contector material settly all chemotions or the job before commercing any work or any destinence, Figured dimensions on the be used destinence. Figured dimensions must be used destined, and of chemotions must be without the destinence of the copyright of Cosmic Architecture Ltd. The subjects of the document is probletted from declaring is content for any customs willing. The prior

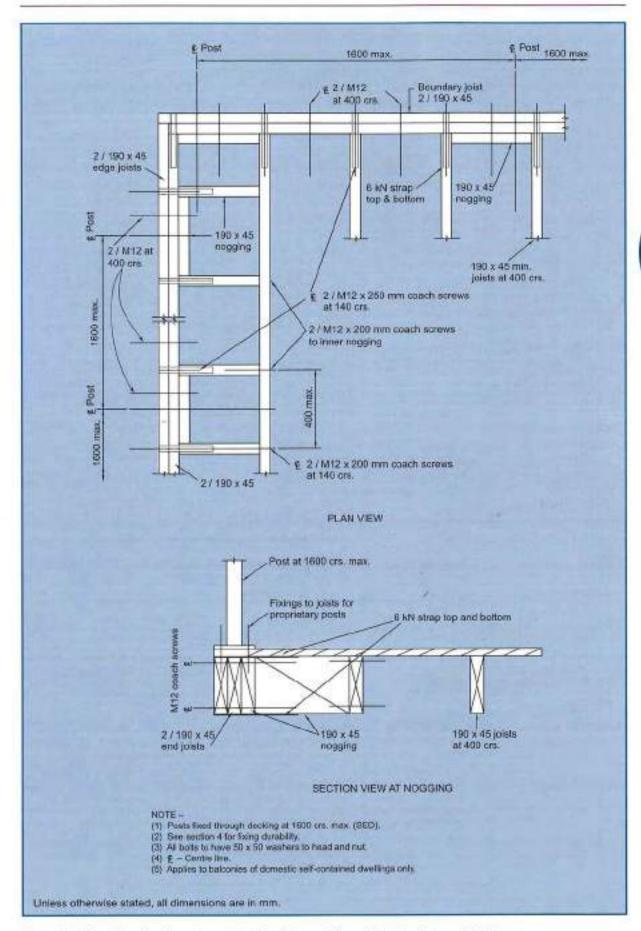


Figure 7.10(b) - Top-fixed post support detail for cantilever balustrade (see 7.4.1.3)

PROPOSED ALTERATIONS

APPROVED BY BUILDING jeremyl **OFFICER** 5/04/2017

BC170119 Revised Information Received 04/04/2017

> CHECKED THROUGH PLUMBING AND DRAINAGE 20/3/2017

FOR BUCKLAND JONES 12 MURRAY COURT PARAPARAUMU BEACH

CONTENTS:

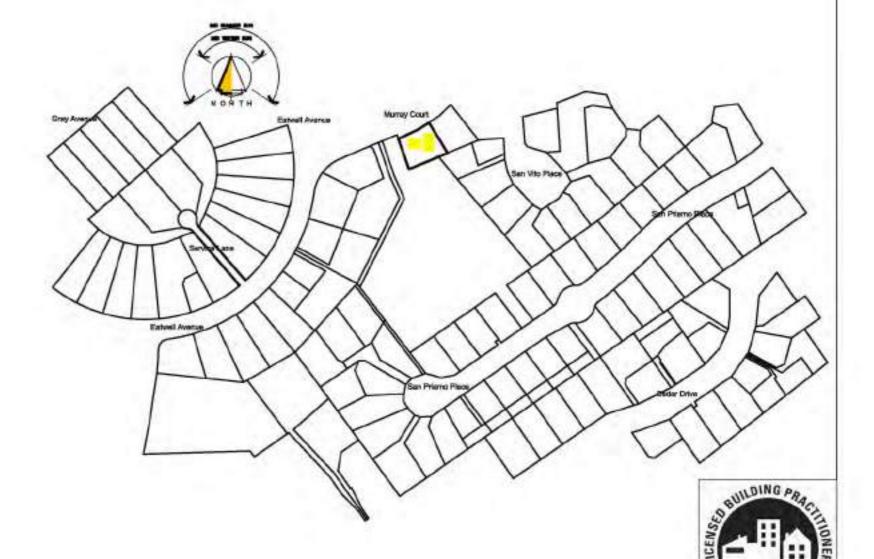
- 1 SITE PLAN & EXISTING ROOF PLAN
- 2 PROPOSID ROOF PLAN
- 3 ELEVATIONS
- 4 ELEVATIONS
- 5 SECTIONS
- 6 DETAILS
- 7 DETAILS
- 8 DETALS 9 - DETALS
- 10 DETAILS
- 11 DETAILS 12 - DETAILS
- 15 ER MATRIK

NOTES:

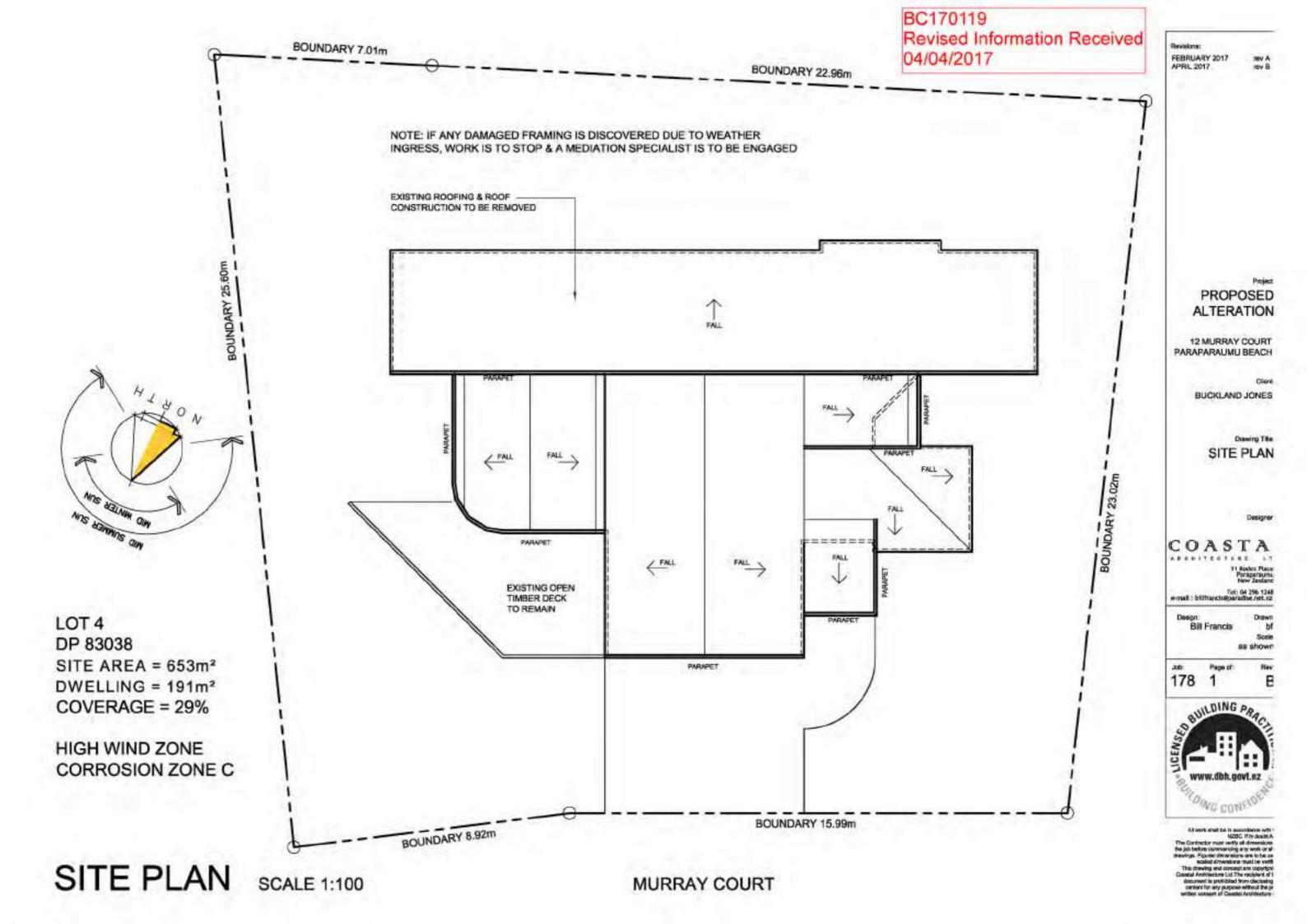
CAUTION - PLANS HAVE BEEN DIGITALLY REPRODUCED & MAY NOT BE TO SCALE.

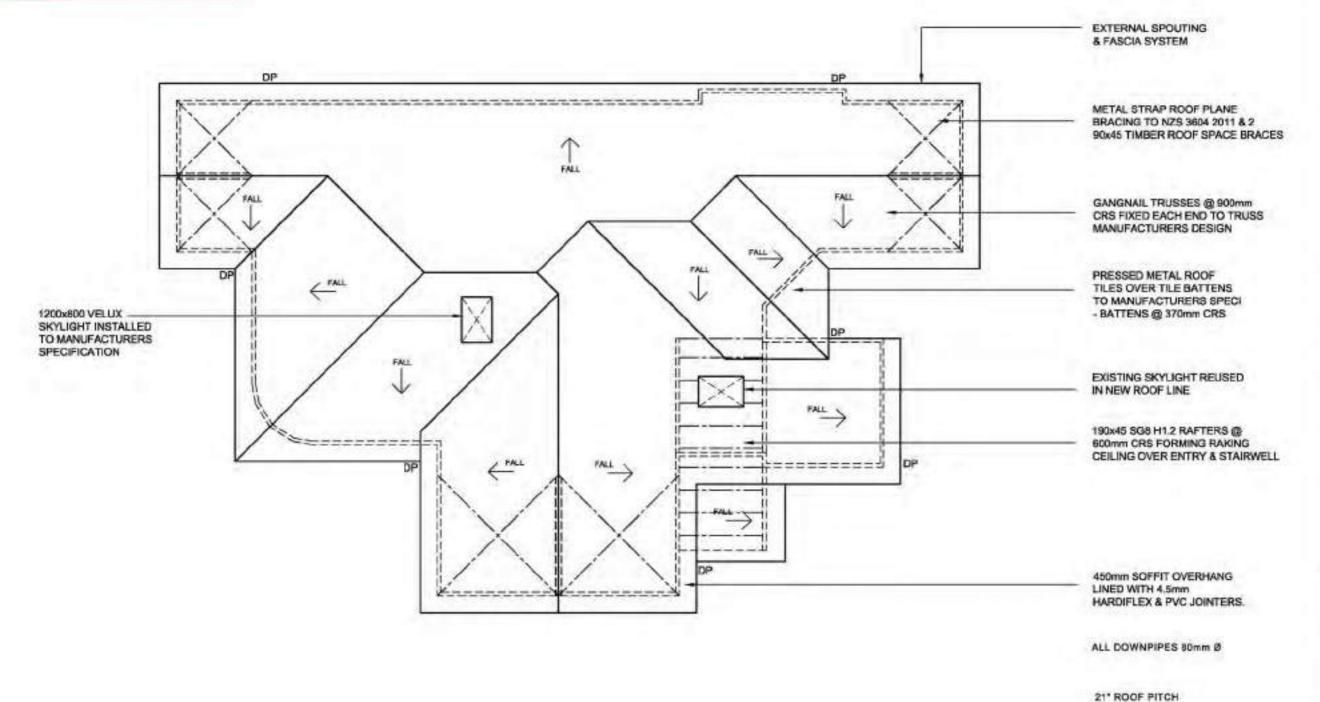
ALL WORK CARRIED OUT TO CONFORM TO RELEVANT BUILDING CODE & STANDARDS FOR LIGHT TIMBER FRAMED CONSTRUCTION.

ALL WORK CARRIED OUT UNDER JURISDICTION OF PRODUCER STATEMENT TO MEET THE ENGINEER REQUIREMENTS FULLY.









TRUSSES

DO NOT SUPPORT BOTTOM CHORD OF TRUSS AT POINTS OTHER THAN THOSE DESIGNATED BY THE TRUSS MANUFACTURER

ALL ROOF FRAMING TO BE H1.2

SUPPLY COPY OF RELEVANT WARRANTIES FOR ROOFING, MEMBRANE SYSTEMS & FASCIA / GUTTER SYSTEMS AS APPROPRIATE TO COUNCIL

ROOFING MATERIAL TO BE INSTALLED TO MANUFACTURERS REQUIREMENTS IN PARTICULAR, FIXING & MINIMUM PITCH IREFERENCE ALSO SECT 8 OF E2 NZ BUILDING CODE.

ROOF PLAN

SCALE 1:100

ROOF FRAMING FIXINGS

TRUSSES

FIXINGS FOR A ROOF TRUSS AT ITS SUPPORT SHALL BE AS GIVEN BY THE TRUSS MANUFACTURERS DESIGN BUT SHALL BE NOT LESS THAN: 2/90x3.15 SKEWED NAILS & STRAP FIXING (see figure 10.6 NZS 3604 2011)

SOFFITS

UNFINISHED HARDIES SOFFITS MUST BE PAINTED TO COMPLY WITH NZBC DURABILITY REQUIREMENTS

SPOUTING

FRONT EDGE OF SPOUTING TO BE 20mm BELOW TOP EDGE OF FASCIA

Basislana

FEBRUARY 2017 APRIL 2017 78V

PROPOSED ALTERATION

12 MURRAY COURT PARAPARAUMU BEACH

BUCKLAND JONES

ROOF PLAN

Designe

Scale as shown

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RESTRICTOR STAYS TO LIMIT SASH OPENING TO MAX 100mm MUST BE FITTED WHERE EVER SILL HEIGHT IS LESS THAN 760mm & THE DIFFERENCE IN LEVELS ARE 1m OR GREATER, REFER F4 NZBC

SAFETY GLASS AS REQUIRED BY NZS 4223 PT 3 2016 VERSION TO BE PROVIDED TO ALL WET AREA JOINERY, GLAZED DOORS, SIDE PANELS, FULL HEIGHT WINDOWS & WINDOWS WITH SILLS LESS THAN 500mm FROM FFL.

SILL SUPPORTS TO MANUFACTURERS SPECIFICATIONS & DETAILS

THE SUPPLIER AND THE MAIN CONTRACTOR SHALL CHECK ALL DIMENSIONS ON SITE AND CONFIRM PRIOR TO MANUFACTURE.

EXTERIOR JOINERY TO COMPLY WITH NZS 4211, DESIGN TO VERY HIGH WIND PRESSURE AND SUITABLE HEAD FLASHINGS TO BE FITTED TO ALL

GLAZING TO CONFORM NZS 4223 PT 1, 2 & 3 2016 VERSION

HIGH WIND VERY HIGH WIND

1100pa DWP 1550pa DWP

WEST ELEVATION

SCALE 1:100

EXISTING EXTERIOR STEPS SEPARATE TO DWELLING

EXISTING PLASTERED

CONCRETE BLOCK WALL

PRESSED METAL ROOF TILES OVER TILE BATTENS TO MANUFACTURERS SPECI - BATTENS @ 370mm CRS

EXTERNAL SPOUTING & FASCIA SYSTEM

BUILDING WRAP - TEKTON THERMAKRAFT 215 ROOFING UNDERLAY

INSULATION: R3.2 BATTS TO CEILINGS R2.2 BATTS TO EXTERIOR WALLS

NOTE: ALL CLADDINGS, ROOFING & SPOUTING SYSTEMS TO BE MAINTAINED BY OWNER IN ACCORDANCE TO MANUFACTURERS RECOMMENDATIONS & WARRANTEE REQUIREMENTS CLADDING TO BE INSTALLED TO MANUFACTURERS REQUIREMENTS IN PARTICULAR FIXING & GROUND CLEARANCE. ALSO REFER TO NZBC, CLAUSE E2/AS1, EXTERNAL MOISTURE FOR CLARITY

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12 MURRAY COURT PARAPARAUMU BEACH

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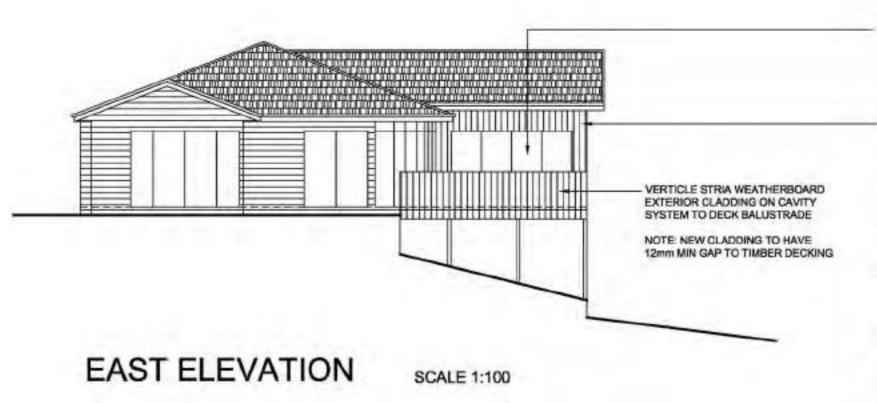
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SCALE 1:100



BUILDING WRAP - TEKTON THERMAKRAFT 215 ROOFING UNDERLAY

INSULATION: R3.2 BATTS TO CEILINGS R2.2 BATTS TO EXTERIOR WALLS

PRESSED METAL ROOF TILES OVER TILE BATTENS TO MANUFACTURERS SPECI - BATTENS @ 370mm CRS

450mm SOFFIT OVERHANG LINED WITH 4.5mm HARDIFLEX & PVC JOINTERS

EXTERNAL SPOUTING & FASCIA SYSTEM

BEVELBACK WEATHERSOARD EXTERIOR CLADDING ON CAVITY SYSTEM

NOTE: ALL CLADDINGS, ROOFING & SPOUTING SYSTEMS TO BE MAINTAINED BY OWNER IN ACCORDANCE TO MANUFACTURERS RECOMMENDATIONS & WARRANTEE REQUIREMENTS CLADDING TO BE INSTALLED TO MANUFACTURERS REQUIREMENTS IN PARTICULAR FIXING & GROUND

ALSO REFER TO NZBC, CLAUSE E2/AS1, EXTERNAL MOISTURE FOR CLARITY

POWDER COATED ALUMINIUM JOINERY WITH SUITABLE HEAD FLASHINGS

VERTICLE RUSTICATED WEATHERBOARD EXTERIOR CLADDING ON CAVITY SYSTEM TO FEATURE WALLS - ENSURE EXISTING FRAMING IS NOGGED @ 600mm CRS

RESTRICTOR STAYS TO LIMIT SASH OPENING TO MAX 100mm MUST BE FITTED WHERE EVER SILL HEIGHT IS LESS THAN 760mm & THE DIFFERENCE IN LEVELS ARE 1m OR GREATER, REFER F4

SAFETY GLASS AS REQUIRED BY NZS 4223 PT 3 2016 VERSION TO BE PROVIDED TO ALL WET AREA JOINERY, GLAZED DOORS. SIDE PANELS, FULL HEIGHT WINDOWS & WINDOWS WITH SILLS LESS THAN 500mm FROM FFL.

SILL SUPPORTS TO MANUFACTURERS SPECIFICATIONS &

THE SUPPLIER AND THE MAIN CONTRACTOR SHALL CHECK ALL DIMENSIONS ON SITE AND CONFIRM PRIOR TO MANUFACTURE.

EXTERIOR JOINERY TO COMPLY WITH NZS 4211, DESIGN TO VERY HIGH WIND PRESSURE AND SUITABLE HEAD FLASHINGS TO BE FITTED TO ALL UNITS.

GLAZING TO CONFORM NZS 4223 PT 1, 2 & 3 2016 VERSION HIGH WIND 1100pa DWP VERY HIGH WIND 1550pe DWP

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12 MURRAY COURT PARAPARAUMU BEACH

BUCKLAND JONES

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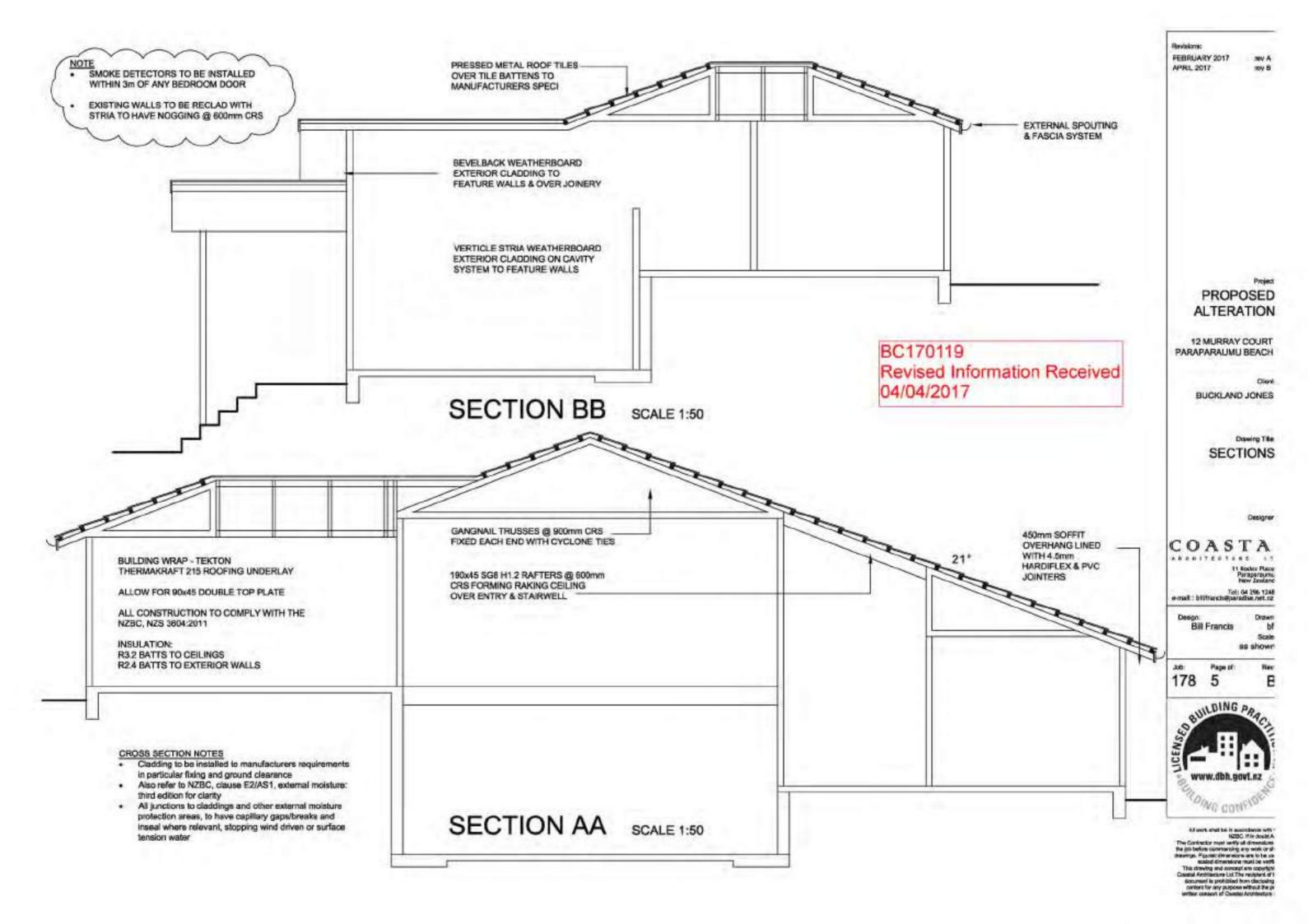
Bill Francis

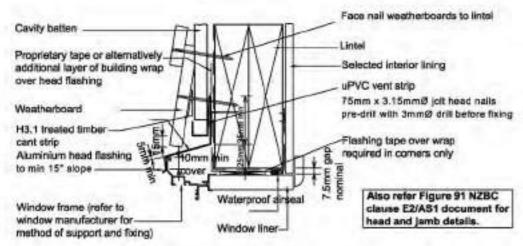
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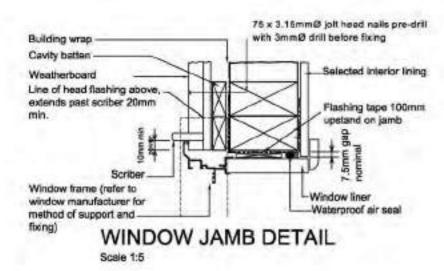


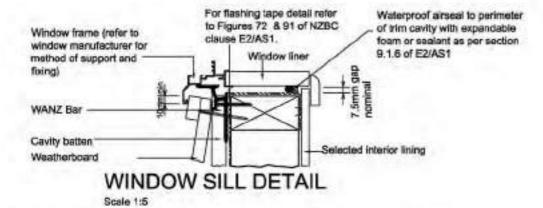
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WINDOW HEAD DETAIL



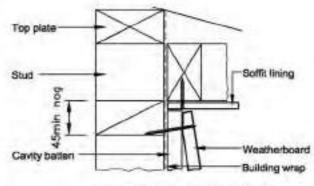


General notes for materials section

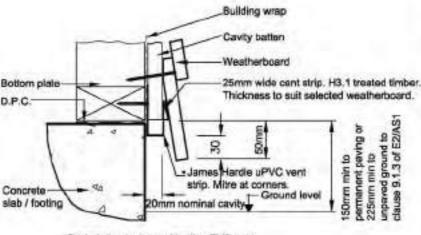
- 1. Flashing materials must be selected based on environmental exposure, refer to NZS 3604 and Table 20 of NZBC clause E2/AS1.
- 2. Building wrap must comply with acceptable solution NZBC clause E2/AS1 and NZS 3604. 3. Flashing tape must have proven competibility with the selected building wrap and other materials with which it comes into contact as per Table 21 of NZBC clause E2/AS1.

Refer to the manufacturer or supplier for technical information for these these materials.

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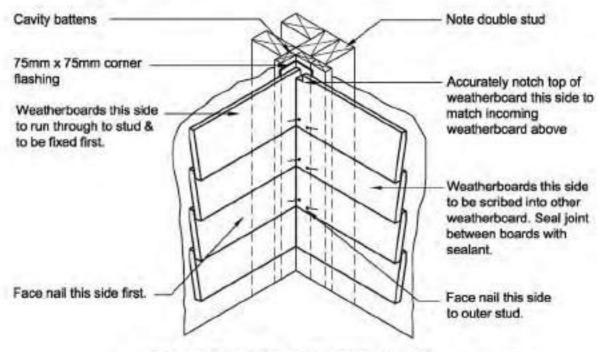


Cavity Soffit Detail

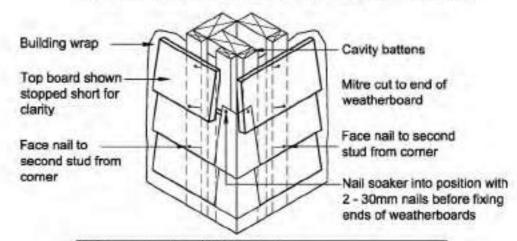


Drain holes in James Hardie uPVC vent strip are sufficient to achieve ventilation openings of 1000mm² per lineal metre

Cavity Foundation Detail



CAVITY INTERNAL CORNER NOT TO SCALE



Soaker material	Nail material
Copper	Copper or phosphor bronze
Aluminium	Hot dip galvanised / Stainless steel
Stainless steel	Stainless steel

CAVITY EXTERNAL CORNER SOAKER

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FEBRUARY 2017

12 MURRAY COURT PARAPARAUMU BEACH

> Client **BUCKLAND JONES**

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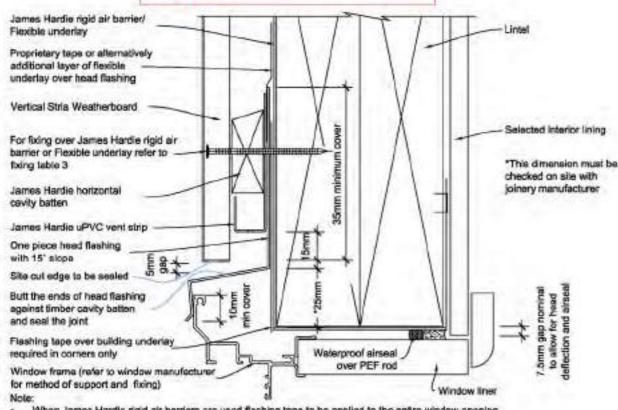
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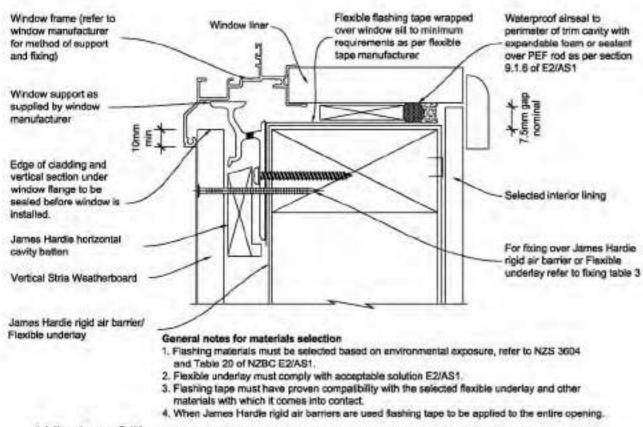
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- When James Hardle rigid air barriers are used flashing tape to be applied to the entire window opening.
- Sealant must be installed between head flashing and window flange in VH and EH wind zones and SED projects.
- Alternatively, the head flashings can be formed with stop ends as per E2/AS1

Window Head



Window Sill Refer to the manufacturer or supplier for technical information for these meterials

Flashing tape 100mm before window is installed upstand on jamb Foam bond breaker Window frame (refer to window menufacturer for Waterproof airseal method of support and fixing) over PEF rod Line of head flashing over Cut the long edges to square finish edge of Linea® Oblique Note: When James Hardie rigid air barriers are used flashing tape to be applied to the entire window opening Weatherboard fixed vertically Note: All site out edges to be sealed Window Jamb Aluminium internal W **Building wrap**

James Hardie rigid air barrier/

Flexible underlay

James Hardie

horizontal cavity batten

Continuous protective

Verticle Stria Weatherboard

Weatherboard to be sealed

sealant

comer

Weatherboard

60 x 3.15mm jolt head

drill before fixing

naile pre-drill with 3mm@

Vertical Strip Weatherboard

For fixing over James Hardie rigid air barrier or

fixing table 3

Flexible underlay refer to

Selected Interior lining.

FEBRUARY 2017

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12 MURRAY COURT PARAPARAUMU BEACH

Client

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11 Society Place Paraperaums New Zeoland

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All work shall be in accordance with NZBC If in double A The Contractor main with gain of could. A The Contractor main with gain groups. The product of all threatings. Pagassed form entires are to be use scaled dimensions must be write. This cleaving and concept are copyright. Coursel Arribitecture Lot the recipient of 1 document is prohibited from obscoring contract for any surpose without the pre-sentant for any surpose without the pre-sentant for any surpose without the pre-

INTERNAL CORNER CLADDING JUNCTION

Vertical Stria Weatherboard

Site out edges to be primed prior

30x1.6mm C Series stainless steel brad nail

Apply continuous 6mm bead of Bostik Seal n

Flex -1 or Sika Sikaflex 11FC adhesive sealant

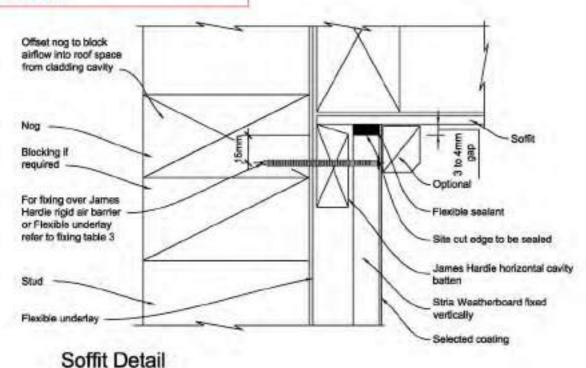
Fix internal corner over with 30x1.6mm C Series stainless trad nails at 300mm

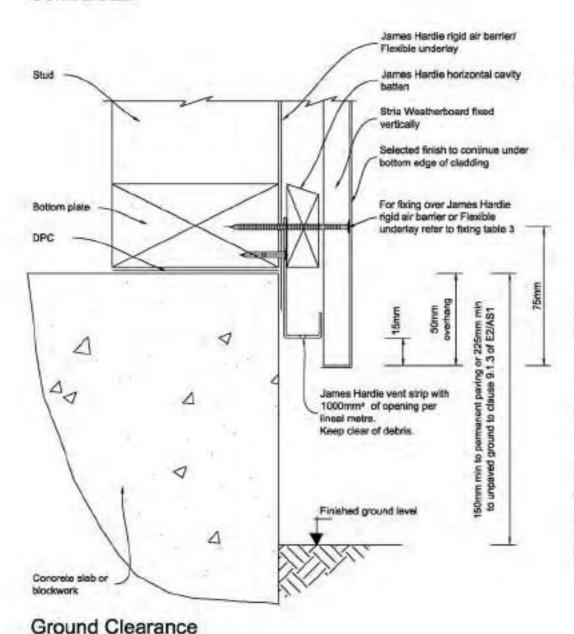
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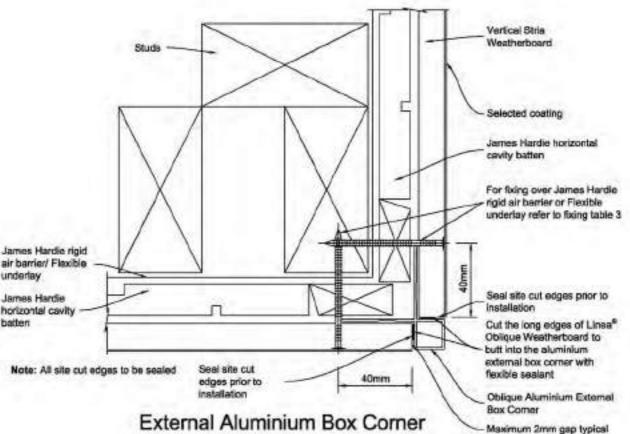
centres both sides.

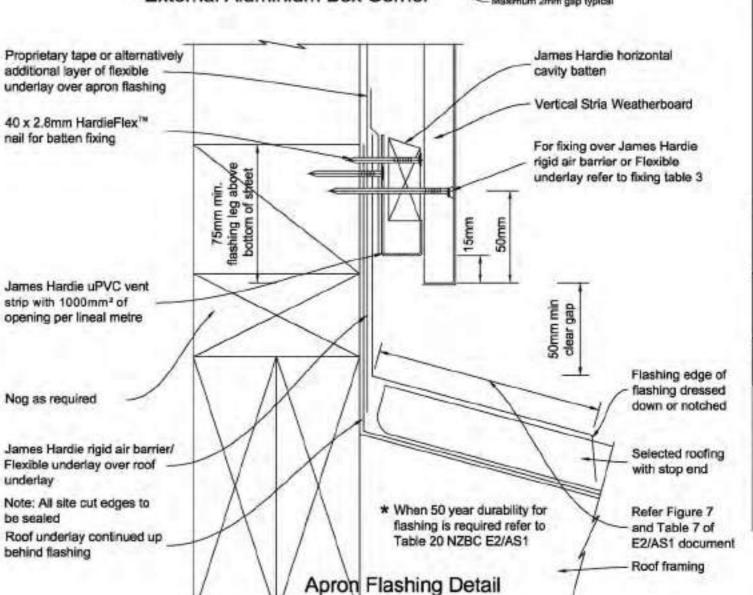
65 x 2.8mm RounDrive ring shank nails for batten fixing

BC170119 Revised Information Received 04/04/2017









Revisions:

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PROPOSED ALTERATION

12 MURRAY COURT PARAPARAUMU BEACH

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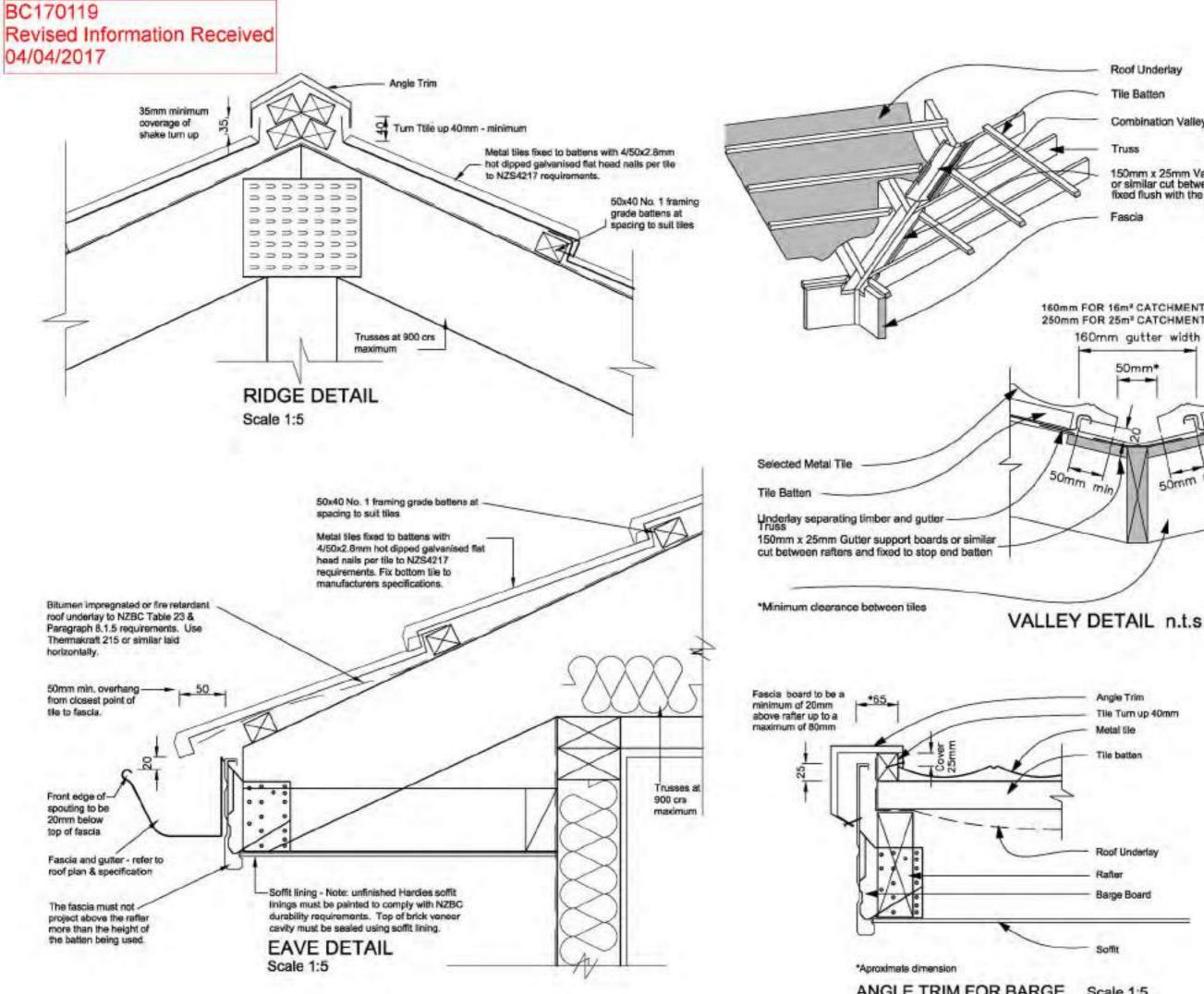
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Roof Underlay

Combination Valley

150mm x 25mm Valley boards or similar cut between trusses fixed flush with the top

Tile Batten

160mm FOR 16m2 CATCHMENT AREA 250mm FOR 25m2 CATCHMENT AREA

160mm gutter width

50mm*

50mm

50mm min

Angle Trim

Metal tile

Tile batten

Roof Underlay

Barge Board

Soffit

Tile Turn up 40mm

Truss

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12 MURRAY COURT PARAPARAUMU BEACH

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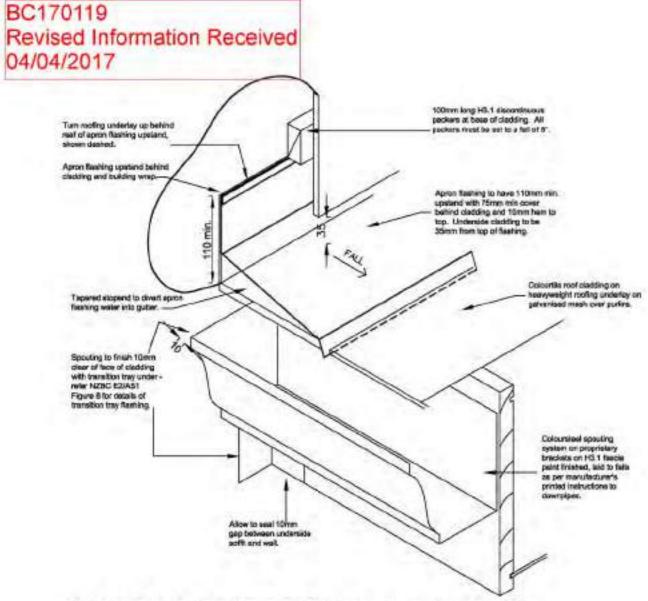
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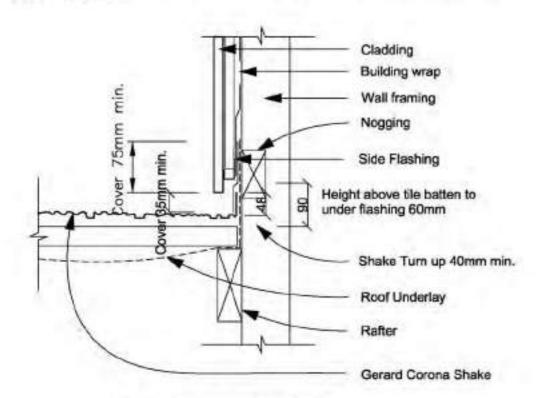


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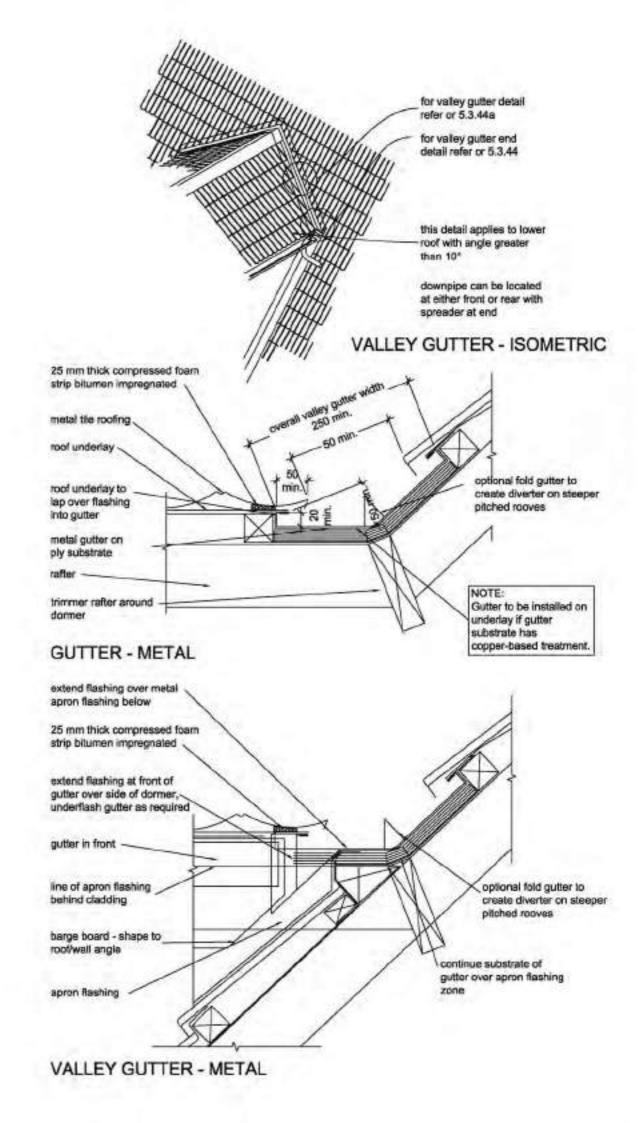
ANGLE TRIM FOR BARGE Scale 1:5



CAVITY GUTTER TO WALL JUNCTION SCALE n.t.s.



APRON FLASHING



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12 MURRAY COURT PARAPARAUMU BEACH

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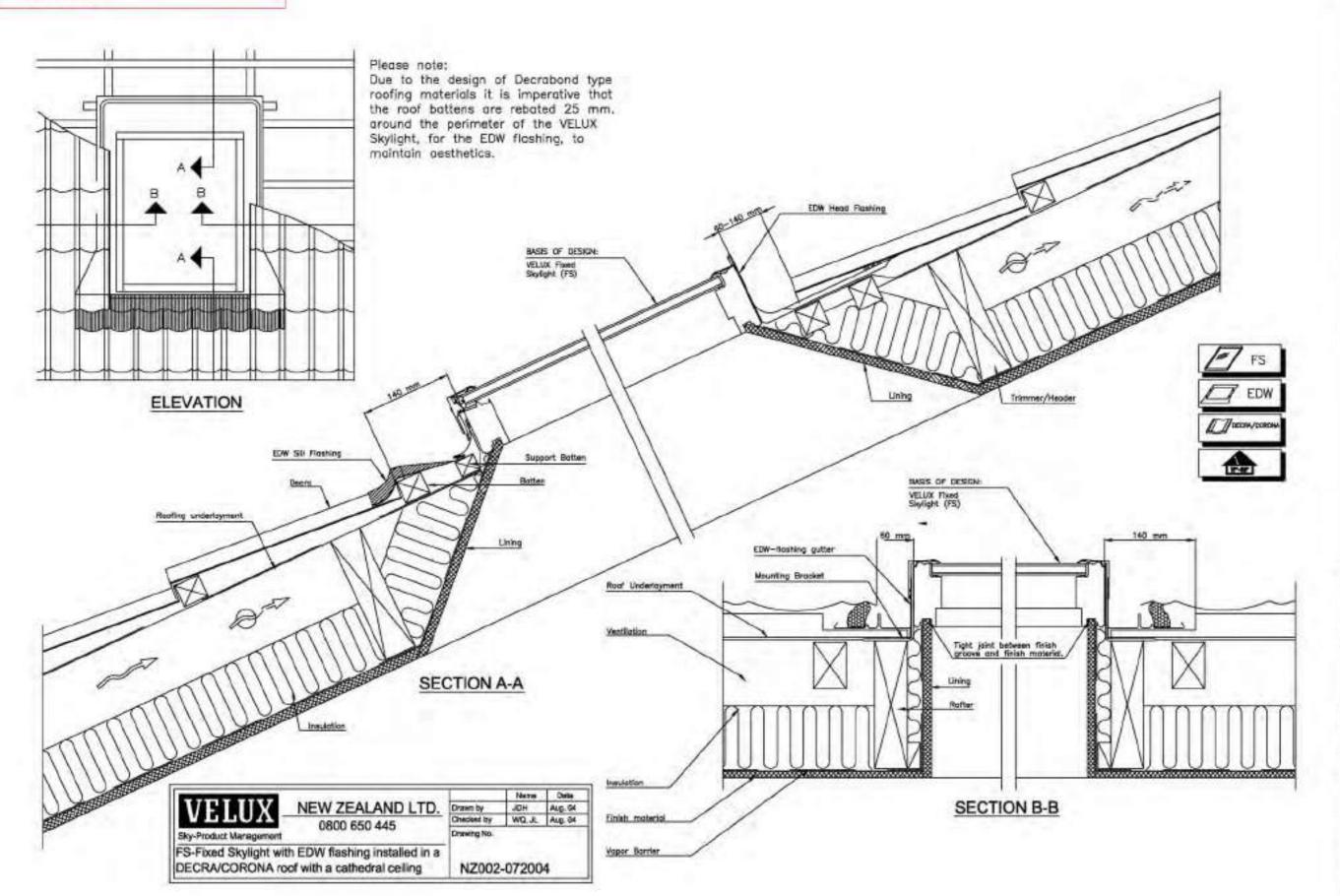
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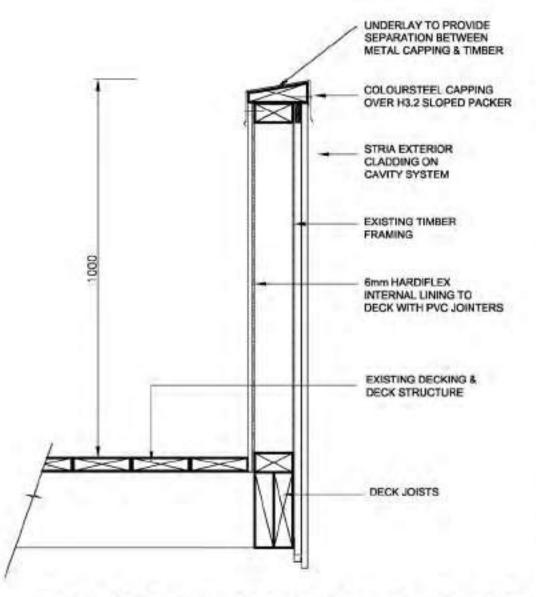
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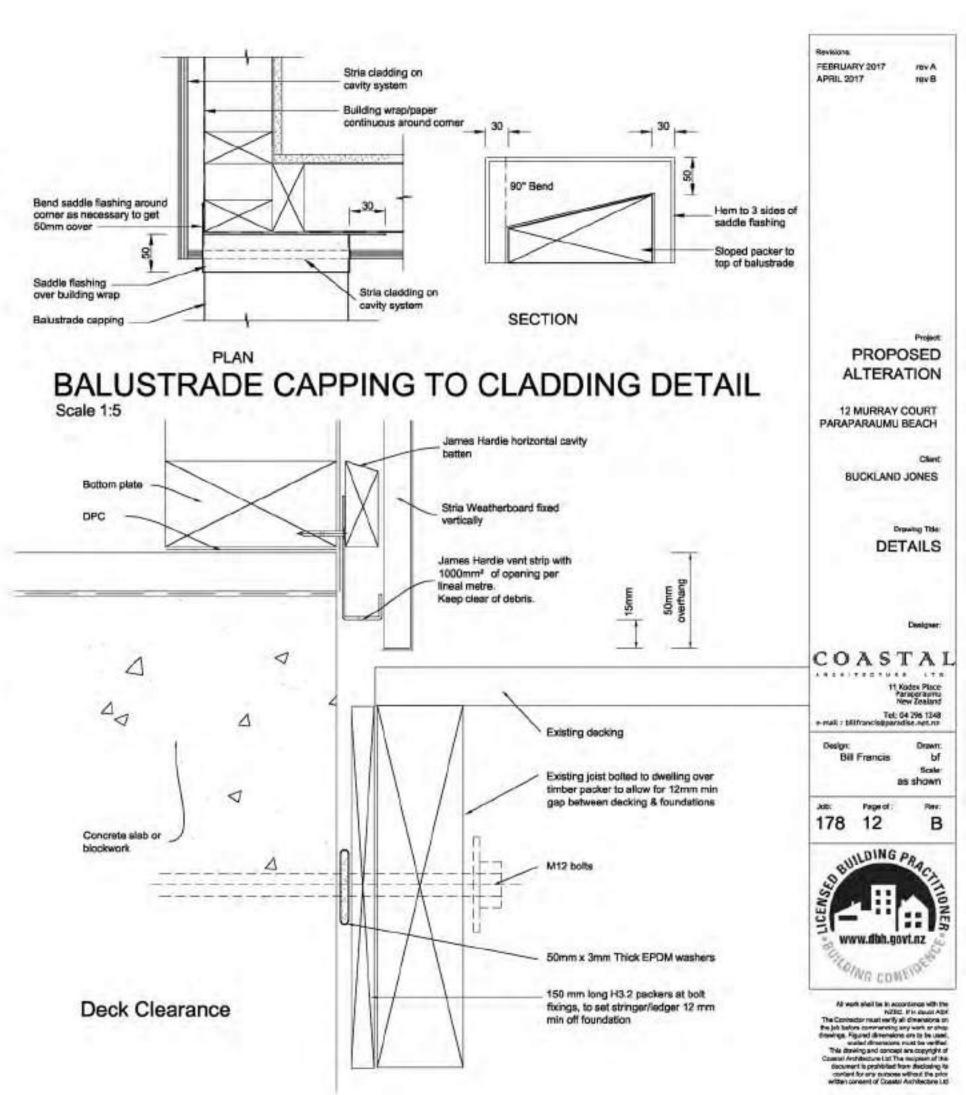


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BALUSTRADE RE-CLAD DETAIL Scale 1:10

BC170119 Revised Information Received 05/04/2017



E2/AS1: Building Envelope Risk Matrix.

Project Details.

Name NAME BUCKLAND JONES

Street/No. STREET 12 MURRAY COURT

Lot/DP/No. LOT LOT 4

City/Town/District. CITY PARAPARAUMU BEACH

Definition of Risk [table 1 from E2/AS1]

Factor	Risk	Detail
A	LOW	LOW wind zone as described by NZS 3604
Wind Zone	MEDIUM	MEDIUM wind zone as described by NZS 3604
	HIGH	HIGH wind zone as described by NZS 3604
	V.HIGH	VERY HIGH wind zone as described by NZS 3604
В	LOW	One storey
No. of	MEDIUM	Two storey in part
storeys	HIGH	Two storey's
	V.High	More than two storey's
C Roof/Wall	LOW	Roof / wall intersection - Fully protected. [eg. hip / gable roof with eaves.]
ntersection Deelgn	MEDIUM	Roof / wall intersection - Partly exposed. [eg. hip / gable roof with NO saves.]
	HIGH	Roof / well intersection - Fully exposed, [eg. Parapets or eaves greater than 90" vertical with soffit linings.]
	V.HIGH	Roof elements finished within the boundaries formed by exterior walls [eq. lower ends of sprons, chimney's etc.]
D	LOW	Greater than 600mm at first floor level.
Eaves width	MEDIUM	450 - 600mm at first floor level, or 600mm at second floor level
	HIGH	100-450mm at first floor level, or 450-600mm at second floor level
	V.HIGH	0 - 100mm at first floor level, or 100-450mm at second floor level or 450 - 600mm at third floor level
E	LOW	Simple rectangular, L,T, or becomerang shape with single cladding type
Enrelope Complexity	MEDIUM	Complex engular or curved shape [eg. Y or arrow head] with single cladding type.
Completely	HIGH	More complex angular or curved shape [eg. Y or arrow head] with multiple cladding type.
	VHIGH	As for high risk, but with junctions not covered in C or F on this Table [eg. box windows, pergola's, multi storey re - entrant shapes etc.]
F	LOW	None or timber slat deck or porch at ground level
Deck design.	MEDIUM	Fully povered in plan by roof, or timber slat deck attached at first or second floor level.
	HIGH	Enclosed deck exposed in plan or cantilevered at first floor level
	V.HIGH	Enclosed deck exposed in plan or cantilevered at second floor level or above.

NOTE

BC170119 Revised Information Received 04/04/2017

Risk Severity by Face

No	rth	Elev	ratio	n.				
LOW	Score	MED	Score	HIGH	Score	V.HIGH	Score	Sub totals for each risk factor
0		0		1	1	2		1
0		1	1	2	5	4		1
0				3		5	1	5
0		1	18	2	1	5		2
0				3	1	6		3
0	1	2		4	100	6		0
	0 0 0	O O O O	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 1 2 0 1 3 0 1 3	0 0 1 2 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 1 0 0 1 0 0 0 1 0 0 0 1 0	0 0 1 2 4 0 1 3 5 0 1 3 6	0 0 1 2 4 0 1 2 5 0 1 3 5 0 1 3 6

LOW	Score	MED	Score	HIGH	Score	V.HIGH Scare	Sub totels for each risk factor
0		0		1	1	2	1
0	1	1	1 3	2		4	0
0	1	1		3		5	0
0		1	1	2		5	1
0	1	,		3		6	0
0	1	2	1	4		6	0
	D O O O O	0 1	0 0 0 1 0 1 0 1 0 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 1 2 0 1 1 3 0 1 2 0 1 3	0 0 1 1 2 0 1 1 3 0 1 1 2 0 1 1 3 0 1 1 3 0 1 1 3 0 1 1 3 0 1 1 3 0 1 1 1 3 0 1 1 1 1	0 0 1 2 4 0 1 3 5 0 1 2 5

	Ea	st E	leva	ation					
RISK FACTOR	LOW	Score	MED	Score	нан	Score	V.HIGH	Score	Sub lotals for each risk factor
Wind Zone as NZS 3604	0	0,5	0		1	1	2		1
No. of storey's	0	1	1		2		4		0
Roof / Wall Intersection	0	1	1		3		5	ī	0
Eaves width.	0		1	1	2		5		1
Envelope Compliatity	0	II.	1		3	1	6		3
Deck design.	0	1	2		4		6		0
Total Risk	Sco	re fo	r this	Elev	ration				5

RISK	LOW	Score	MED	Score	HIGH	Score	V.HIGH	Score	Sub totals
FACTOR				11111			1	245	for each risk factor
Wind Zone as NZS 3604	0		0		1	1	2		1
No. of storey's	0	1	1		2	1	4		0
Roof / Wall Intersection	0		1		3		5	1	5
Eaves width.	D		1		2	1	5		2
Envelope Complexity	0		4		3	1	8		3
Deck design.	0	1	2		4		6		0
Total Risk	Sco	re fo	or this	Elev	ation		9130		11

Selected Cladding Resulting from Risk Assessment

	Risk score from tables		TICK SELECTED OPTION				
	above.	Cladding Selected from table 3 [from tables on page 30 E2/AS1]	DIRECT	DRAWED			
North Elevation,	12	Bevelback weatherboards Verticle Strie weatherboards					
South Elevation,	2	Bevelback weatherboards		1			
East Elevation	5	Bevelback weatherboards Verticle Stria weatherboards					
West Elevation.	11	Bevelback weatherboards Varticle Stria weatherboards					

Revisions:

FEBRUARY 2017

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12 MURRAY COURT PARAPARAUMU BEACH

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Eaves width measured from external face of the wall cladding to outer edge of overhang including gutters and fascias

^{2.} Balustrades and parapets rount as 0 mm saves.

00013

MiTek New Zealand Limited



MiTex 20/20 Engineering 4.6.6.330

Correspondence from : AUCKLAND

40 Naales Road, East Tamaki 2013 PO Box 58-014, Botany 2163 Phone: 09 274 7509

Phone: 09 274 7109 Fax: 09 274 7100 CHRISTCHURCH

14 Pikington Way, Wigram 8042 PO Box 8387, Riccarton 8440

Phone: 03 348 8691 Fax: 03 348 0314

www.miteknz.co.nz

Printed: 10:58:01 24 Feb 2017

PRODUCER STATEMENT for MiTek 20/20° TRUSS DESIGN - Version 4.6

ISSUED BY:

MiTek New Zealand Limited

TO:

Carters, a division of Carter Holt Harvey

IN RESPECT OF:

MiTek® Truss Designs



This producer statement covers the MiTek 20/20° truss design and the structural performance of the GANG-NAIL® connector plate for the job reference **UM014718** and may be used by a Building Consent Authority to assist in determining compliance with the New Zealand Building Code.

The MiTek 20/20° truss design program has been developed by MiTek New Zealand Limited for the design of MiTek° timber roof, floor and attic trusses in New Zealand. The truss designs computed by MiTek 20/20° are prepared using sound and widely accepted engineering principles, and in accordance with compliance documents of the New Zealand Building Code and Verification Method B1/VM1; and internationally accepted standard ANSI/TPI 1 - 2002 as an alternative solution, to satisfy the requirements of Clauses B1 and B2 of the New Zealand Building Code.

On behalf of MiTek New Zealand Limited, and subject to:

- i) All proprietary products meeting their performance specification requirements
- ii) The provision of adequate roof bracing and overall building stability
- Correct selection and placement of GANG-NAIL connector plates
- iv) Correct input of Truss Design Data as shown in the Fabricator Design Statement for this job
- The design being undertaken by the accredited fabricator under the terms of the software licence.
- vi) Timber is graded to the requirements of NZS 3603:1993
- vii) Minimum timber treatment for these MiTek® trusses shall be in accordance with B2/AS1 Table 1A and the relevant sections of NZS 3602:2003

I believe on reasonable grounds that the trusses, if constructed in accordance with the MiTek 20/20" truss design and shop drawings, will comply with the relevant provisions of the New Zealand Building Code.

MiTek New Zealand Limited holds a current policy of Professional Indemnity Insurance no less than \$500,000.

On behalf of MiTek New Zealand Limited,

Date: Friday, 24 February 2017

In Ling Ng, BE (Hons), CPEng, IntPE, MIPENZ (ID: 146585)

TECHNICAL SERVICES MANAGER, MITEK New Zealand Limited

Job: UM0014719

Descriptor: Building Consent No. 1 MTH 2020 og sette 148.75

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Buckland Johns 12 Murry Cost. Peoplements

Piere:

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MITEK FABRICATOR DESIGN STATEMENT

this statement is issued by MITek accredited fabricator Carters, a division of Carter Holt Harvey, being licensed to use the MITek 20/20" software, to the client listed above and may be used by the Building Consent Authority to assist in determining compliance with the New Zealand Building Code.

MITER 20/20" TRUSS DESIGN DATA
The MITER 20/20" computer design for this job is based on the following design passimeters entered into the program. The Febricator shall ensure that these job details are current and elevent to the project for the design of the MiTeit * trustes.

Roof Truss
Timber Group: Roof

Material. Dead Load: Restraints Live boad:

MSG8 DDP H1.2 Metal Tiles 0.210 kPa 400 mm centres Our = 0.250 kPa Qc = 1.100 kN

Impertance Level 2

PHON Ceiling Material: Door Load:

Restraints: Live Losd:

21,000 deg Gib 13mm/Rondo Sciewed

0.200 kPa G00 mm centres Qc = 1.400 kN Design Working Life: 50 years

Nominal Overhang: 450 mm Wind

High (44.0 m/s)

Area Cps = varies; Cpl = -0.30, 0.20 Pressure Costf.

The minimum timber treatment for these MiTek® trusses shall be in accordance with 82/AS1 Table 1A and the relevant sections of NZS 3802:2003. The timber for these MiTek® trusses shall be graded to the requirements of NZS 3603:1993. Proprietary fixings and timber connectors shall be selected in accordance with NZS3604:2011 Section 4 - Durability

MiTek Truss List

" × data/l only. 7 × input only. 7 × is = falled design. Ø = nor certified. Unmarked trusses = designed successfully. LB = lateral bracing required GB = gable brace required. Legend:

Truss	Oty	Span (mm)	Pitch (deg)	Spacing (mm)	Truss	Qly	Span (mm)	Pitch (deg)	Spacing (mm)	Truss	Qty	Span (mm)	Pitch (deg)	Spacing (mm)
CTG3	1.1	6600	21.000	900	J18.	3	2727	21,000	900	V5	1	1810	21,000	900
14	- 1	2390	21.000	900	JIC	1	2727	21,000	900	*HB1	1	2524	15.185	900
37	1	2727	21.000	900	12	1	1818	21,000	900	*1482	1	3733	15.186	900
To .	3	6400	21.000	900	49	9	1827	21,000	900	*1403	1	2459	15,186	900
TIA	1	6400	21.000	900	J5	- 1	2272	21.000	900	*HB4	1.	724	15,186	900
T1B	1	6420	21,000	900	J5A	1	2272	21,000	900	*HB5	1	5101	15,186	900
12		6400	21,000	900	JB	1	1372	21,000	900	*1486	1	2065	15.188	900
T2A	3	6400	21.000	900	JEA	7	1372	21,000	900	*R1	3.10	7300	21.000	900
13	1	9100	21,000	900	PT1	7	810	21.000	900	*RZ	2	1366	21.000	900
ta	1	6090	21.000	900	14	1	5100	21.000	900	*83	2	741	21,000	900
110	1	4000	21.000	900	746	4	5100	21,000	900	*R3A	2	741	21.000	900
TG1	1	9100	21,000	900	To		4000	21,000	900	*R4	-2	4900	21,000	900
TR1	1	9100	21,000	900	76	3	3627	21,000	750	*R5	1	913	21.000	900
CTT		4300	21.000	900	77	1	5100	21,900	900	*F06	4	627	21.000	900
CT2	2	3473	21,000	900	27A	2	5100	21,000	000	*97	1	900	21,000	900
CT3	3	3200	21.000	900	79	1	3384	15,189	900	*R8	1	823	21,000	900
ET1	1	6410	21.000	900	VI	1	1454	21.000	900	198	1	3650	21.000	900
ET2		4010	21.000	900	V2	1	2646	21,000	900	5R10		5850	21.000	900
ET3	2	3200	27,000	900	93	- 1	1746	21,000	960	*R11	1	1750	0.000	900
Jr	1	2727	21.000	90G	V4	- 1	1146	21.000	900	7831A	1	1750	0.000	900

Total quantity: 63

The computer design input has been carried out by:

Sisme of Computer Operator.

Standard

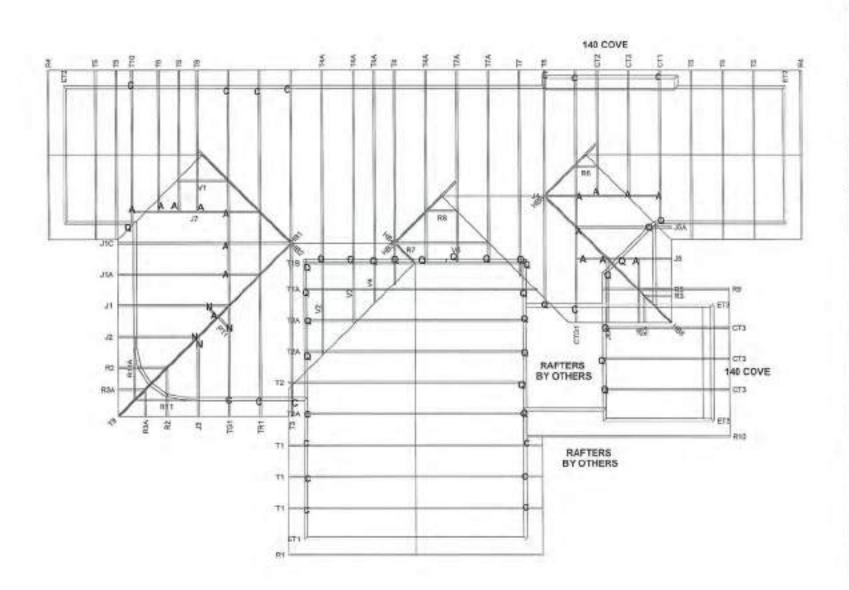
Qualifications and Title:

Truss Detailer

\$Igned:

BC170119

BUILDABLE CONSENT LAYOUT



Cafters a division of Carter Hott Harvey Wellington Manufacturing Scheduling/Despatch (84) 567-0274

JOB No UM014718

Client: Carl Ven Der Meer Builders Ltd.

Job Name: Buckland Jones Address: 12 Murray Court Parapacaumu

Pilch: 21.0deg Roof Tyon: Metal Ties Overhang: 450mm Wind Area: High Roof Snow: 0,000kPa

Trusses and rafters at 900mm mux centres unless stated otherwise. This layout is to be read in conjunction with the Architectural plans.

DRAWN Standard

24 Feb.2017

FIXINGS

A = 47x90 Joist Hanger

B = 47x120 Joist Hanger

C = CT200 (pair)

D = 47x190 Joist Hanger

E = 95x165 Joist Hanger

G = SH-140 Split Hanger

H = SH-180 Split Hanger

K = SH-220 Split Hanger

L = 6kN Strap

M = Multigrips (pair)

N = Nailon Plate

S = CPC 40 Single Cleat

T = CPC 40 Short (pair)

U = CPC 80 Single Cleat

Q = 9kN Pack

P = 16kN Pack

X = 25kN Uplift

Y = 35kN Uplift

Z = 45kN Uplift

All truce fixings not indicated as above must have two wire dogs.

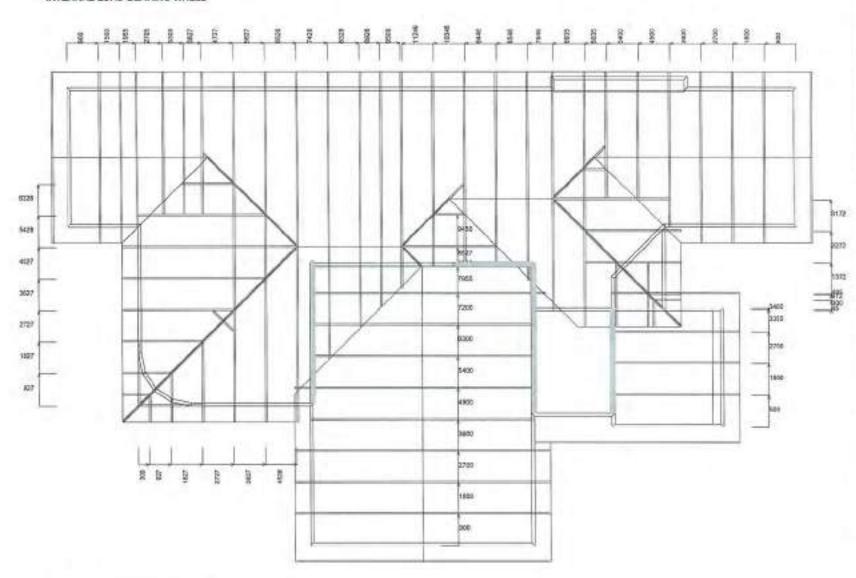
Please contact your local CARTERS Manufacturing Branch for any quaries regarding this layout.

See Back Page for Dimensions, Lintel Statement & Point Load Notification.



BUILDABLE CONSENT LAYOUT

INTERNAL LOAD BEARING WALLS



LINTEL AND BEAM DESIGN FOR EXISTING OPENINGS AND NEW ROOF STRUCTURE BY OTHERS

NOTE: If metal ceiling battens on clips are used, bottom chord bracing is required at 1800mm centres.

CARTERS Your Building Partner

Carters, a division of Center Holt Henry Wellington Manufacturing Scheduling/Despatch (04) 567-0274

JOB No UM014718

Client: Carl Van Der Meer Builders (sc. Job Name: Buckland Jones

Address: 12 Murray Court Paraparaumu

Pitch: 21,0deg
Poof Type: Metal Tiles
Overharg: 450mm
Wind Area: High
Reof Snow: 0,000kPa

Trusses and refers at 160mm max centres unless stated offserwise. This layout is to be read in conjunction with the Architectural plans.

DRAWN Standard 24 Feb.2017

The linters have been sized using one of the following:

hysib, hyCHE and hyBPAN intals have been sized using the designIT for houses - New Zoaland series 5 software.

GANGLAN and FLITCH BEAMS have been sized using the MiTels Beam Program V1.30 June 2011.

Any treated LVC product is H3.1, which satisfies the minimum treatment requirement of H1.2 as per NZS3802.

Unless otherwise stated the timber grade for all intels is SGB. Lintels not shown are to be selected as per NZS3804: 2011.

All wads shown on this layout are considered to be load bearing.





Notification of point loaded lintels or point loads on internal walls where the downward load is higher than 10kN or the upward load is greater than 12kN.

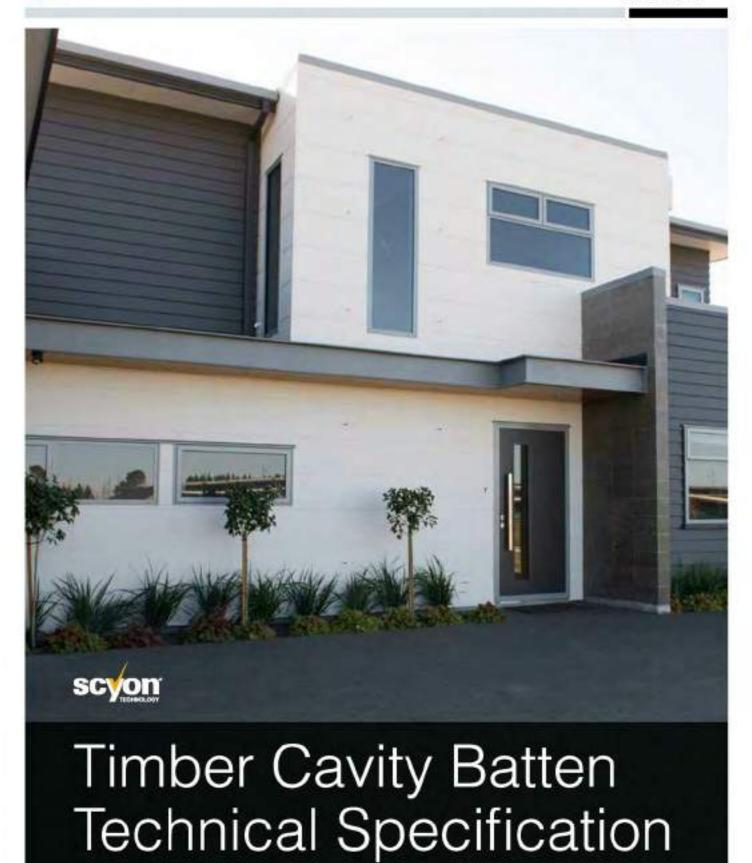
> See Front Page for Truss Layout and Fixings





BC170119 Further Information Received 04/04/2017 Pages 1-40





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WE VALUE YOUR FEEDBACK

Junctions and penetrations

To continue with the development of our products and systems, we value your input. Please send any suggestions, including your name, contact details, and relevant sketches to:

Ask James Hardie™

Fax 0800 808 988

4.7

literaturefeedback@jameshardie.co.nz



Application and scope

1.1 APPLICATION

Stria * Cladding installed as per this specification gives a panelised plastered masonry appearance on building facades. Stria Cladding can be fixed to either timber or lightweight steelframed external walls. A wide range of colours can be used varying from light to dark. Stria Cladding is available in 405mm wide x 4200mm lengths and is 14mm thick.

If you are a specifier

Or other responsible party for a project ensure that the information in this document is appropriate for the application you are planning and that you undertake specific design and detailing for areas which fall outside the scope of these specifications.

If you are an installer

Ensure that you follow the design, moisture management principles, associated figures and material selection provided by the designer and this James Hardie Technical Specification. All the details provided in this document must be read in conjunction with the project specification.

Make sure your information is up to date

When specifying or installing James Hardie products, ensure that you have the current manual. Additional installation information, warranties and warnings are available at www.jameshardie.co.nz or Ask James Hardie™ on 0800 808 868.

1.2 SCOPE

This specification covers the installation of Stria Cladding fixed over timber cavity battens on buildings that fall within the scope limitation of NZS 3604 and E2/AS1 of the New Zealand Building Code (NZBC).

This specification also covers the installation of Stria Cladding on projects, which are subject to specific engineering design (SED) up to a wind pressure of 2.5kPa (ULS).

Note: Refer to Stria Cladding CLD Structural Cavity Batten technical specification when fixing to CLD Structural Cavity Battens.

1.3 DETAILS

Various typical Stria Cladding construction details are provided in the Details section of this document. These details are available in CAD, ArchiCAD, MOD and pdf file format and can be downloaded from our website at www.jameshardie.co.nz.

All dimensions shown are in millimetres unless noted otherwise.

1.4 SPECIFIC DESIGN

For use of the Stria Cladding on specific design projects, the designer, architect or engineer must ensure that all clauses of NZBC have been considered and a specific design has been undertaken for the areas which fall outside the scope of this literature

2 Design

2.1 COMPLIANCE

Stria Cladding installed in accordance with this specification has been tested as per E2/VM1 and complies with External Moisture - E2 Clause of NZBC. The cladding has also been tested and complies with the requirements of Structure - B1, Durability - B2, Energy Efficiency - H1 and Hazardous Building Material - F2 Clauses of NZBC.

2.2 RESPONSIBILITY

The specifier or other party responsible for the project must ensure that the information and details in this specification are appropriate for the intended application and that additional detailing is performed for specific design or any areas that fall outside the scope of this technical specification. For applications outside the scope of this literature and details, which are not provided herein, the architect, designer or engineer must undertake specific design and it should be ensured that the intent of their design meets the requirements of the NZBC.

All New Zealand Standards referenced in this manual are current editions and must be complied with.

James Hardie conducts stringent quality checks to ensure that any product manufactured falls within our quality spectrum. It is the responsibility of the builder to ensure that the product meets aesthetic requirements before installation. James Hardie will not be responsible for rectifying obvious aesthetic surface variations following installation.

2.3 SITE AND FOUNDATION

The site on which the building is situated must comply with E1/AS1 Surface Water Clause of NZBC.

Foundations design must comply with relevant regulations, standards and meet the requirements of NZBC.

The grade of adjacent finished ground must slope away from the building to avoid any possibility of water accumulation.

2.4 CLEARANCES

The clearance between the bottom edge and paved/unpaved ground of cladding must comply with section 9.1.3 of E2/AS1. The finished floor must also comply with these requirements. These clearances must be maintained throughout the life of the building.

Stria Cladding must overhang the bottom plate by a minimum of 50mm as required by E2/AS1.

Stria Cladding must maintain a minimum clearance of 100mm from paved ground, and 175mm from unpaved ground.

On the roofs and decks, the minimum clearance must be 50mm.

Do not install external cladding such that it may remain in contact with water or ground. Refer Figures 4 and 5.

2.5 MOISTURE MANAGEMENT

It is the responsibility of the specifier to identify moisture related risks associated with any particular building design.

Wall construction design must effectively manage moisture, considering both interior and exterior environments of the building, particularly in buildings that have a higher risk of wind driven rain penetration. The buildings should also be ventilated sufficiently to control moisture accumulation due to condensation especially in artificially cooled/heated buildings.

Walls shall include those provisions as required by External Moisture Clause E2/AS1 of NZBC. In addition, all wall openings, penetrations, junctions, connections, window sills, heads and jambs must incorporate appropriate flashings for waterproofing. The other materials, components and installation methods used to manage moisture in external walls, must comply with the requirements of relevant standards and the NZBC. For further guidance on designing for weather tightness, refer to BRANZ Ltd. and the Department of Building and Housing updates on the following websites respectively, www.branz.co.nz and www.dbh.govt.nz.

In addition, the following issues must also be considered:

- · Sealant must be installed where detailed in this literature.
- Where the walls are higher than two storeys, it is necessary to provide a horizontal flashing at the second floor level to drain the cavity.
- The installation of smoke chimneys, pipe penetrations and other fixtures etc. must not track moisture into the wall or restrict the drainage of moisture to the exterior.

2.6 STRUCTURE

2.6.1 Timber Framing

Timber-framed buildings must either be in accordance with NZS 3604 (Timber Framed Buildings) or designed as per specific engineering design. For a building requiring a specific engineering design, the framing stiffness must be equivalent to or more than the stiffness requirements of NZS 3604.

For specific design projects, the timber framing must be designed in accordance with the requirements of NZS 3603 and AS/NZS 1170.

For timber frame walls longer than 12m, it is best practice to allow for construction joints to accommodate movements generated due to timber shrinkage or deflections etc.

2.6.2 Steel Framing

Steel-framed buildings must comply with the requirements of AS/NZS 3404 'Steel Structures Standard' or specific engineering design requirements. Also refer to NASH 3405 steel framed buildings guidance document published by 'National Association of Steel Housing' (NASH).

2.6.3 Wind Pressures

Stria Cladding is suitable for use in all wind zones in New Zealand up to and including EH as defined in NZS 3604.

Stria Cladding is also suitable in specific design projects up to wind pressures of 2.5kPa uls.

2.7 FIRE RATED WALLS

Stria Cladding when fixed over timber cavity battens to external walls can achieve fire ratings up to 60/60/60 to comply with Clause C/AS1 of the NZBC when the walls are constructed in accordance with the current James Hardie 'Fire and Acoustic' Design Manual.

Stria Cladding is classified as a 'non-combustible' material suitable for use on walls close to a boundary.

2.8 STRUCTURAL BRACING

Stria Cladding installed as per this specification has not been tested and therefore cannot be used to achieve any structural bracing. However, bracing can be achieved by using James Hardie rigid air barrier installed direct to framing instead of a building underlay or by using Villaboard * Lining bracing system on the internal face.

2.9 ENERGY EFFICIENCY

External walls constructed using Stria Cladding and bulk insulation, where the area of glazing is 30% or less of the total wall area, constructed as per this technical specification complies with the insulation requirements for walls in NZBC Acceptable Solution H1/AS1 (Energy Efficiency Clause H1), Replacement Table 1. To meet thermal insulation requirements for the construction, the bulk insulation as specified in Table 1 must be used. This insulation may be substituted with insulations having higher R-values. The thermal insulation of a wall changes when the size or spacing of timber framing is increased or decreased. The calculation used in Table 1 is based on a timber framing size 90 x 45mm and using an internal lining material such as James Hardie Villaboard Lining or a 10mm plasterboard.

Table 1

Insulation ca	Insulation capability						
Climate Zone*	R-Value Requirement*	Cavity Insulation Infill Requirement					
1 and 2	1.9 m² ºC/W	#R2.0					
3	2.0 m² ℃/W	#R2.2					

Total construction R-Value depends on the insulation material used and the framing ratio. The insulation material R-Values specified in this table are for studs spaced at 600mm c/c and nogs spaced at 800mm c/c.

To achieve higher R-Values of construction the wall insulation material must be replaced with an insulation material having higher R-Values to suit the requirements.

For further guidance on insulation requirement refer to the current edition of 'House Insulation Guide' published by BRANZ.

3 Framing

3.1 GENERAL

Stria Cladding can be fixed either to a timber-frame or steel-frame.

For fixing into steel frame Ask James Hardie on 0800 808 868 for specific requirements.

- Studs must be provided at 600mm centrs maximum.
- Nogs must be provided at 800mm centres maximum.

Note: For fixing Stria Cladding, fastener spacing is provided in Section 5.

3.2 TIMBER FRAMING

3.2.1 Dimensions

A 45 x 90mm minimum framing size is required.

A minimum 70mm wide stud is required at vertical joint flashing ioints.

3.2.2 Structural Grade

Timber grade used must be in accordance with timber grades specified in NZS 3604.

3.2.3 Durability

The external framing timber must be treated to a minimum H1.2 treatment. Higher treatment levels may be used but check for the compatibility of treatment chemicals with other materials. Refer to NZBC Acceptable Solution B2/AS1 Durability for further information about the durability requirements.

For timber treatment and allowable moisture content information refer to NZS 3602 (Timber and Wood-Based Products for use in Buildings) and NZS 3640 (Chemical Preservation of Round Sawn Timber) for minimum timber treatment selection and treatment requirements.

Also refer to framing manufacturer's literature for further guidance on timber selection. Framing must be protected from moisture at sites in accordance with the framing manufacturer recommendations.

Note: Refer to NZS 3602 for information about the allowable moisture content in timber framing.

3.2.4 Frame Construction

Use of timber framing must be in accordance with NZS 3604 and the framing manufacturer's specifications. The framing must be rigid and not rely on the cladding for stability. Timber framing sizes and its set-out must comply with NZS 3604 and as specified in this technical specification.

The following framing is required:

- Studs must be provided at 600mm centres maximum.
- Nogs must be provided at 800mm centres maximum.
- When studs are spaced at 400mm centres then the nogs / dwangs may be provided at 1200mm centres
- · An extra stud is required in internal corners
- For specific design projects exposed to wind speeds higher than 50m/sec, the stud spacing must be closed to 400mm c/c.

3.3 STEEL FRAMING

3.3.1 Dimensions and Gauge

A 38mm minimum wide stud can be used to install Stria Cladding. The thickness of steel frame must be in the range 0.55 to 1.6mm BMT (Base Metal Thickness). Considering the ease of installation, the recommended minimum BMT is 0.75mm.

3.3.2 Durability

The steel framing must have the appropriate level of coating to comply with durability requirements of NZBC.

3.3.3 Frame Construction

Steel framing must comply with NASH handbook/guidelines. Stud and batten spacing must not be more than what has been specified in this specification. Refer to framing manufacturer's specifications or NASH 3405 for further guidance on steel frame.

3.4 SPECIAL FRAMING REQUIREMENTS

The following are special framing requirements for both timber and steel framing:

- Double studs are required at internal corners, refer Figure 15.
- Extra packers maybe required at external corners.

3.5 TOLERANCES

In order to achieve the required performance and an acceptable wall finish, it is imperative that framing is straight and true. Framing tolerances shall comply with Table 2.1 of NZS 3604 and the manufacturer's specifications. All framing shall be made flush.

4 Preparation

4.1 BUILDING UNDERLAY / HOMERAB PRE-CLADDING

Building underlay / HomeRAB * Pre-Cladding must be provided as per the requirements of External Moisture Clause E2 of NZBC. The building underlay selected for use must comply with Table 23 of E2/AS1.

The building underlay must be fixed in accordance with section 9.1.7 E2/AS1 and underlay manufacturer's recommendations.

Walls which are not lined on the inside face e.g. garage walls or gable ends must include a rigid sheathing or an air barrier behind the cladding which complies with Table 23 of E2/AS1. James Hardie HomeRAB Pre-Cladding complies with these requirements and is suitable for use in this situation. It must be installed in accordance with James Hardie Rigid Air Barriers installation manual.

4.2 RAB BOARD

General building underlay or HomeRAB Pre-Cladding is suitable for use up to very high wind speed zone (50m/sec).

When an EH windzone or for specific design projects where the wind pressure is higher than 1.5kPa, James Hardie RAB Board must be used instead of building underlay.

To achieve the temporary weathertightness using James Hardie rigid air barriers, windows/doors need to be temporarily installed. Refer to James Hardie Rigid Air Barriers installation manual for information regarding its installation.

4.3 CAVITY CLOSURE / VENT STRIP

The James Hardie Stria Aluminium Cavity Closure or uPVC cavity vent strip must be installed at the bottom of all walls and above all openings constructed using the drained and ventilated cavity construction method. It is important that the openings in the cavity closure/vent strip are kept clear and unobstructed to allow free drainage and ventilation of cavities. James Hardie cavity closure / vent strip has an opening area of 1000mm²/m length.

4.4 CAVITY BATTENS

Stria Cladding to be installed on a cavity. The battens provide ventilation and drainage between the frame and the panel and are considered a "packer" only in this specification.

The timber cavity battens must be minimum H3.1 treated in accordance with NZS 3640 (Chemical preservation of rough and sawn timber) to comply with the durability requirements of B2/AS1.

Cavity battens must comply with E2/AS1 and:

- be minimum 18mm thick
- be as wide as the width of studs
- fixed vertically to studs
- be fixed by the cladding fixings to the main framing over the building underlay. Therefore until claddings are fixed the battens only need to be tacked to framing by 40 x 2.8mm or longer nails at 800mm c/c.

4.5 INTERMEDIATE SUPPORT

Where studs are at 600mm centres an intermediate means of restraining the building underlay and insulation from bulging into the cavity shall be installed. An acceptable method to achieve this is using one of the following options:

- intermediate cavity batten between the studs
- 75mm galvanised mesh
- polypropylene tape at 300mm centres fixed horizontally and drawn taut

No intermediate supports are required:

- when studs are spaced at 400mm centres
- · when rigid air barriers instead of building underlays are used.

4.6 FLASHINGS

All wall openings, penetrations, intersections, connections, window sills, heads and jambs must be flashed prior to Stria Cladding installation. Refer to moisture management requirements in Clause 2.5. The building underlay/rigid air barrier must be appropriately incorporated with penetration and junction flashings using flashing tapes. Materials must be lapped in such a way that water tracks down to the exterior on the face of building underlay or rigid air barrier. James Hardie will assume no responsibility for water infiltration within the wall due to poor installation of flashings or building underlay.

The selected flashing materials must comply with the durability requirements of NZBC. For information refer to Table 20 of E2/AS1.

When using James Hardie rigid air barriers the entire framing around openings must be sealed with a flashing tape. The tape must be finished over the face of the rigid air barrier. Refer to James Hardie Rigid Air Barriers installation manual for further information.

4.7 JUNCTIONS AND PENETRATIONS

Refer to Clause 2.5 of this specification for moisture management requirements. All windows and doors must be detailed as per the requirements of this specification. James Hardie has developed the window details for Stria Cladding which meet the requirements of E2 External Moisture, an approved document of the NZBC. Refer to Figures 17 to 19.

5 Stria Cladding installation

5.1 GENERAL

Stria Cladding must be kept under cover whilst in storage or at sites and they must be dry at the time of their installation. All site cut panel edges must be sealed with Dulux Acraprime 501/1, Dulux Primacryl, Resene Quick Dry or similar sealer compatible with the finish coat before installation.

Stria Cladding must be fully supported and fixed into timber cavity battens. Ensure that cladding is hard against the battens to avoid drumminess.

To achieve best asthetic results it is recommended to position vertical jointer by the corner of openings or coinciding with the centre line of openings. Refer to Figure 3

This technical specification only covers the horizontal installation of Stria Cladding.

Ask James Hardie on 0800 808 868 for vertical installation technical supplement of Stria Cladding.

6 Joints

5.2 FASTENER DURABILITY

Fasteners must meet the minimum durability requirements of the NZBC. NZS 3604 specifies the requirements for fixing material to be used in relation to exposure conditions and are summarised in Table 2.

Table 2

Exposure on NZS 3604	conditions and nail sele	ection prescribed by
NAIL MATE	RIAL	
Zone D	Zone C outside sea spay zone and Zone B and geothermal hot spots	Bracing - all zones
Grade 316 Stainless	Hot-dipped galvanised or 316 Stainless	Grade 316 Stainless

*(Zone C areas where local knowledge dictates that increased durability is required, appropriate selection shall be made). Microclimate conditions as detailed in NZS 3604, Paragraph 4.2.4 require SED.

Also refer to the NZBC Acceptable Solution E2/AS1' Table 20 and 21 for information regarding the selection of suitable fixing materials and their compatibility with other materials.

5.3 FASTENER - SIZE AND LAYOUT

Stria Cladding must be fixed to framing using the fixings as specified in Table 3 below and follow the edge distance required for nails as shown in the details. Refer to Figure 7.

When using rigid air barrier like HomeRAB Pre-Cladding or RAB Board, the cladding fixing nails must be increased in length equal to the thickness of the rigid air barrier.

Table 3

Panel fixing cavity construction 65x2.87mm D head or 60x2.87mm RounDrive nails Fix nails at 100mm from top edge and 100mm from bottom edge/per board/ per stud. Refer to Figure 12

For other fixing options Ask James Hardie on 0800 808 868.

- When fixing the panels using nail guns, refer to the nail gun manufacturer for information about nails and the type of nail gun to be used.
- Stud width of 70mm min required when using a vertical joint flashing. Refer Figure 9.
- D head nails finish nails 2mm below panel surface.
- RounDrive nails finish nails flush with panel surface.

6.1 VERTICAL JOINT

Stria Cladding can be jointed using vertical joint flashing, trimline joint flashing or a butt joint. Refer to Figures 7 to 11.

A single stud is required when using trimline joint flashing. Refer to Figure 7. Double studs are required when using vertical joint flashing. Refer Figure 9.

6.2 HORIZONTAL JOINT

Stria Cladding panels are lapped over each other as per Figure 12. There is a minimum 25mm lap between the two panels. Ensure that Stria Cladding panels are securely interlocked before nailing. Stria Cladding can run continuous over floor joists without any horizontal joint when LVL timber floor joists are used. Refer to Figure 28.

When an engineered joist or LVL joist is not used, a horizontal joint or a movement joint must be formed at floor joist, refer to Figures 25 and 26.

6.3 DRAINAGE JOINT

After every two floors a horizontal drainage joint flashing is required, refer to Figure 26.

6.4 EXTERNAL CORNER JOINT

An external box corner flashing is used to fix the external corners, refer to Figure 13 and 14.

6.5 INTERNAL CORNER JOINT

An internal corner flashing is to be used to form an internal corner joint, refer to Figure 15. Alternatively an internal mitre corner, refer to Figure 16.

An extra stud is required in internal corners.

Note: All joint mouldings to be fixed at 400mm centres both sides.

7 Finishes

7.1 PREPARATION

The D head nail heads must be finished 2mm below the panel surface. The nail holes must be filled with an exterior grade two part builders fill, ie. CRC Builders Fill or similar two part external grade filler. The RounDrive nail heads must finish flush with panel surface.

7.2 PAINTING

Stria Cladding is pre-primed and is suitable for site applied acrylic paints.

In order to seal cut edges or sanded patches, Dulux Primacryl, Acroprime 501/1 Resene Quick Dry or a similar product should be applied. The primer should be compatible with the paint to be used.

Painting of Stria Cladding is mandatory to meet the durability requirements of NZBC and 15 year James Hardie product warranty. Stria Cladding must be dry and free of any dust or grime before painting. The panels must be painted within 90 days of their installation. There is no restriction on the LRV of paint to be applied on the Stria Cladding.

10 Product information

James Hardie recommends a minimum of two coats of exterior grade acrylic paint. Follow the paint manufacturer's recommendations to prepare the surface and to adequately cover and conceal the panel fixings.

7.3 FLEXIBLE SEALANT

Sealant used must comply with the relevant requirements of the NZBC. Their application and usage must be in accordance with the manufacturer's instructions. Check with the sealant manufacturer prior to coating over sealant. Some sealant manufacturers do not recommend coating over their product.

8 Storage and handling

Stria Cladding must be laid flat on a smooth level surface. Edges and corners must be protected from chipping.

To ensure optimum performance, store panels under cover and keep dry prior to fixing. If the panels become wet, allow them to dry thoroughly before fixing.

Do not carry panels on the flat, carry in the vertical position to avoid excessive bending.

9 Maintenance

It is the responsibility of the specifier to determine normal maintenance requirements to maintain the effectiveness of the cladding. The extent and nature of maintenance required will depend on the geographical location and exposure of the building.

As a guide, it is recommended that the basic normal maintenance tasks shall include, but not be limited to:

- Washing down exterior surfaces every 6-12 months*
- Re-coating exterior protective finishes**
- Regular inspection and repair if necessary of the cladding, sealants, etc.
- Cleaning out gutters, down pipes and overflow pipes as required.
- Pruning back vegetation which is close to or touching the building as well as ensuring the NZBC ground clearance requirements are maintained especially where gardens are concerned
- The clearance between the bottom edge of the Stria Cladding and the finished/unfinished ground must always be maintained.

*Do not use a water blaster to wash down the cladding.
*In extreme coastal conditions or sea spray zones, wash every
3-4 months

**Refer to your paint manufacturer for washing down and recoating requirements related to paint performance.

10.1 MANUFACTURING AND CLASSIFICATION

Stria Cladding is an advanced lightweight cement composite cladding manufactured using James Hardie formulation. Basic composition is Portland cement, ground sand, cellulose fibre and water.

Stria Cladding is manufactured to Australian / New Zealand Standard AS/NZS 2908.2 'Cellulose-Cement Products' (ISO 8336 'Fibre-Cement Flat Sheet').

Stria Cladding is classified Type A, Category 2 in accordance with AS/NZS 2908.2 "Cellulose-Cement Products".

For Safety Data Sheets (SDS) visit www.jameshardie.co.nz or Ask James Hardie on 0800 808 868.

10.2 PRODUCT MASS

Stria Cladding is manufactured in 14.0mm thickness and has a mass of $13.8 kg/m^2$ at EMC.

Stria Cladding is defined as a Light Weight Wall Cladding (not exceeding 30kg/m²) as per NZS 3604.

10.3 DURABILITY

Stria Cladding and James Hardie rigid air barrier installed and maintained as per this technical specification will meet the durability requirement for cladding as per Durability B2 clause of NZBC.

10.3.1 Resistance to Moisture/Rotting

Stria Cladding has tested to check its resistance to permanent moisture induced deterioration (rotting) by passing the following tests in accordance with AS/NZS 2908.2:

- Water Permeability (Clause 8.2.2)
- Warm Water (Clause 8.2.4)
- Heat Rain (Clause 6.5)
- Soak Dry (Clause 8.2.5)

10.3.2 Resistance to fire

Stria Cladding is classified as 'Non-Combustible Material' which is suitable for use as external wall cladding and complies with Performance C3.7 of the NZBC Clause C3 Fire Affecting Areas Beyond the Fire Source.

11.3.3 Alpine Regions

In regions subject to freeze/thaw conditions, Stria Cladding and James Hardie rigid air barrier must not be in direct contact with snow or ice build up for extended periods, e.g. external walls in alpine regions must be protected where snowdrifts over winter is expected.

These products have been tested in accordance with AS/NZS 2908.2 Clause 8.2.3.

11 Safe working practices

DO NOT BREATHE DUST AND CUT ONLY IN WELL VENTILATED AREA

James Hardie products contain respirable crystalline slica which is considered by some international authorities to be a cause of cancer from some occupational sources. Breathing excessive amounts of respirable slica dust can also cause a disabling and potentially fatal lung disease called silicosis, and has been linked with other diseases. Some studies suggest smoking may increase these risks. During installation or handling: (1) work in outdoor areas with ample ventilation; (2) minimise dust when cutting by using either 'Score and Snap' knife, fibre cement shears or, where not feasible, use a HardieBlade™ Saw Blade. and dust-reducing circular saw attached to a HEPA vacuum; (3) warn others in the immediate area to avoid breathing dust; (4) wear a properly-fitted, approved dust mask or respirator (e.g. P1 or P2) in accordance with applicable government regulations and manufacturer instructions to further limit respirable silica. exposures. During clean-up, use HEPA vacuums or wet cleanup. methods - never dry sweep. For further information, refer to our installation instructions and Safety Data Sheets available at www.jameshardle.co.nz.

FAILURETO ADHERETO OUR WARNINGS, SAFETY DATA SHEETS, AND INSTALLATION INSTRUCTIONS MAY LEAD TO SERIOUS PERSONAL INJURY OR DEATH.

James Hardie recommended safe working practices

CUTTING OUTDOORS

- Position cutting station so wind will blow dust away from the user or others in working area.
- Use one of the following methods based on the required cutting rate:

BEST

 Dust reducing circular saw equipped with HardieBlade[™] Saw Blade and HEPA vacuum extraction.

GOOD

Dust reducing circular saw with HardieBlade™ Saw Blade.

SANDING/REBATING/DRILLING/OTHER MACHINING

When sanding, rebating, drilling or machining you should always wear a P1 or P2 dust mask and warn others in the immediate area.

IMPORTANT NOTES

- For maximum protection (lowest respirable dust production), James Hardie recommends always using "Best" — level cutting methods where leasible.
- NEVER use a power saw indoors.
- NEVER use a circular saw blade that does not carry the HardieBlade™ logo.
- NEVER dry sweep Use wet suppression or HEPA vacuum.
- NEVER use grinders.
- ALWAYS follow tool manufacturers' safety recommendations.

P1 or P2 respirators should be used in conjunction with above cutting practices to further reduce dust exposures. Additional exposure information is available at www.jameshardie.co.nz to help you determine the most appropriate cutting method for your job requirements. If concern still exists about exposure levels or you do not comply with the above practices, you should always consult a qualified industrial hygienist or contact. James Hardie for further information.

Working Instructions

 Refer to Recommended Safe Working Practices before starting any cutting or machining of product.



HardieBlade™ Saw Blade

The HardieBladeTM Saw Blade used with a dust-reducing saw is ideal for fast, clean cutting of James Hardie fibre cement products. A dust-reducing saw uses a dust deflector or a dust collector connected to a vacuum system. When sawing, clamp a straight-edge to the sheet as a guide and run the saw base plate along the straight edge when making the cut.

Hole-Forming

For smooth clean cut circular holes:

- Mark the centre of the hole on the sheet.
- Pre-drill a 'pliot' hole.
- Using the plot hole as a guide, cut the hole to the appropriate diameter with a hole saw fitted to a heavy duty electric drill.

For irregular holes:

- Small rectangular or circular holes can be cut by drilling a series of small holes around the perimeter of the hole then tapping out the waste piece from the sheet face.
- Tap carefully to avoid damage to sheets, ensuring that the sheet edges are properly supported.

Handling and Storage

All materials should be stored to avoid damage, with edges and corners of the Stria Cladding protected from chipping.

Stria Cladding must be protected from rain during transport and storage. Strie Cladding must be laid flat undercover on a smooth level surface clear of the ground to avoid exposure to water or moisture etc. Stria Cladding and James Hardie rigid air barrier is resistant to permanent water damage when installed as directed, and must only be installed in a dry state.

When handling Strie Cladding, carry panels on the edge taking care not to chip edges and corners.

Refer to the current installation manual for recommended Sale Working Practices.

Quality

James Hardio conducts stringent quality checks to ensure that any product manufactured falls within our quality spectrum, it is the responsibility of the builder to ensure that the product meets aesthetic requirements before installation. James Hardie will not be responsible for rectifying obvious aesthetic surface variations following installation.

12 Product and accessories

Stria Cladd	g information				
Product	Description	Size (mm)	0-4-		
	In the least	Thickness	Length	Width	Code
	Stria Cladding A 14mm profiled panel for expressed jointed residential facades. Factory sealed on all six sides. Each panel has a manila white colour primer applied on its face, which accepts a wide range of paint finishes.	14	4200	405	404263
James Hardie rigid air barrier Used as a rigid air barrier. It has green appiled over one face, installed with gr		6	2450	1200	402980
	applied over one face, installed with green side facing out.	6	3000	1200	402981
/	HomeRAB Pre-Cladding Used as a rigid air barrier. It has green colour sealer	4.5	2450	1200	404766
/	applied over one face. Installed with green side facing out.	4.5	2750	1200	404768

Accessories/too	ls supplied by James Hardle		
Accessories	Description	Size/Quantity	Code
	Vertical Joint Flashing Aluminium extrusion used behind cladding at vertical joints.	3000mm long	305507
	Stria Trimline Joint Flashing Aluminium extrusion used behind cladding at vertical joints.	3000mm long	305827
9	Internal Corner Flashing Anodised aluminium extrusion used to create internal corners.	3000mm long	304871
	Stria External Box Corner Anodised aluminium extrusion used to create external corners.	2700mm long 4000mm long	305824 305823
0	Aluminium Window Jamb Flashing Aluminium moulding used beside window opening to end butt the Stria Cladding.	3000mm long	305430
4	Stria Aluminium Cavity Closure Aluminium moulding used as vermin proofing.	3000mm long	305431
	JH 9mm Panel Aluminium External Box Corner A box corner mould to form the external joints. 9mm etch primed.	2450mm long 2750mm long 3000mm long 4000mm long	304509 304510 305150 305808
4	uPVC Vent Strip PVC moulding used as vermin proofing.	3000mm long	302490
Tools			
	HardieBlade™ Saw Blade Diamond tip 164mm diameter flore cement circular saw blade. Spacers not included.	Each	300660
)	HardieFlex™ Stainless Steel 316 Nails For fixing panels through cavity battens. 60 x 3.15mm	Jer	302782
	HardieFlex™ Hot Dip Galv. Nails For fixing panels through cavity battens. 60 x 3.15mm	Jar	302784

Accessories/tools not supplied by James Hardie

James Hardie recommends the following products for use in conjunction with Stria Cladding and James Hardie rigid air barrier. James Hardie does not supply these products and does not provide a warranty for their use. Please contact component manufacturer for information on their warranties and further information on their products.

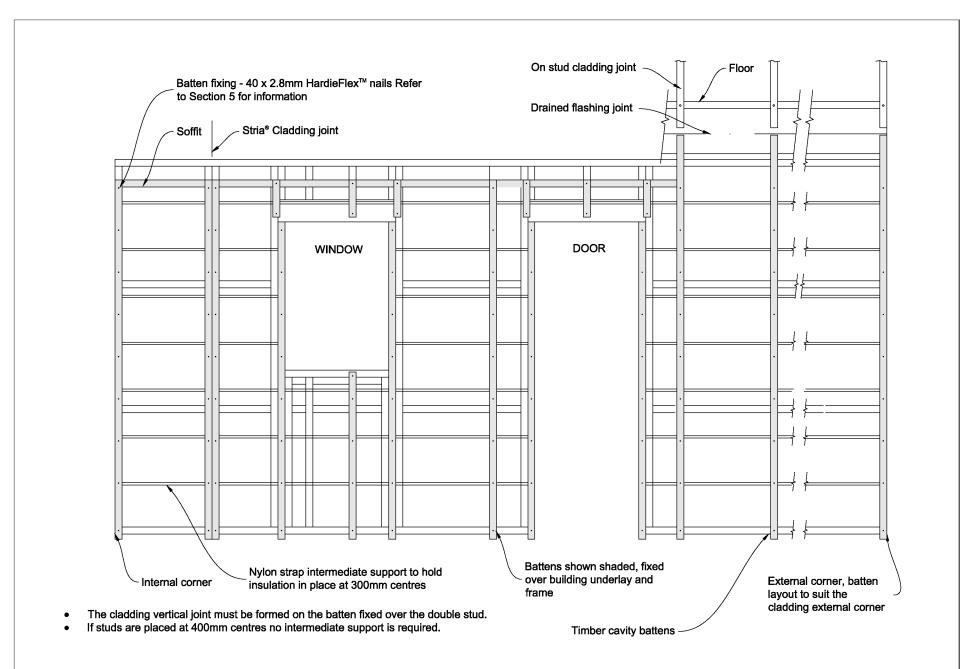
Product	Description		
	Building underlay Must comply with Table 23 of E2/AS1.		
	Flexible Window Opening Flashing Tape A flexible self-adhesive tape used in preparation of a window. Refer to the window installation section in this manual for more information. e.g. Protecto or Super Stick by Protecto Wrap or 3M™ All Weather Flashing Tape 8067 by 3M™ Protecto: 0800 776 9727 3M™ 0800 474 787		
(6)	James Hardie rigid air barrier Vertical Joint Sealing Tape The tape to be used to seal James Hardie rigid air barrier vertical joints.		
	Super Stick by Protecto Wrap or 3M™ At Weather Flashing Tape 8067 by 3M™ Protecto: 0800 776 9727 3M™ 0800 474 787		
Sealant	Flexible Sealant Required to seal the vertical joints. Bostik Seal N Flex-1, Sikaflex AT Facade, Sikaflex MS or similar.		
	65 x 2.87mm "D" head nail or 60 x 2.87 RounDrive nail (hot dipped galvanised/stainless steel) For fixing Stria Cladding.		
 	40 x 2.8mm or longer HardleFlex™ nail, For fixing timber cavity battens and aluminium flashings.		
	Moter Box Refer Electrical Suppliers.		
	Head flashing Required over window heads to be supplied by window installer. Material must comply with Table 20 and 21 of E2/AS1.		
	Timber cavity batten H3.1 minimum treated Timber cavity batten the cladding is fixed over.		
	Exterior grade filler CRC Bulders Fill or similar two part filler to fill over nail holes		

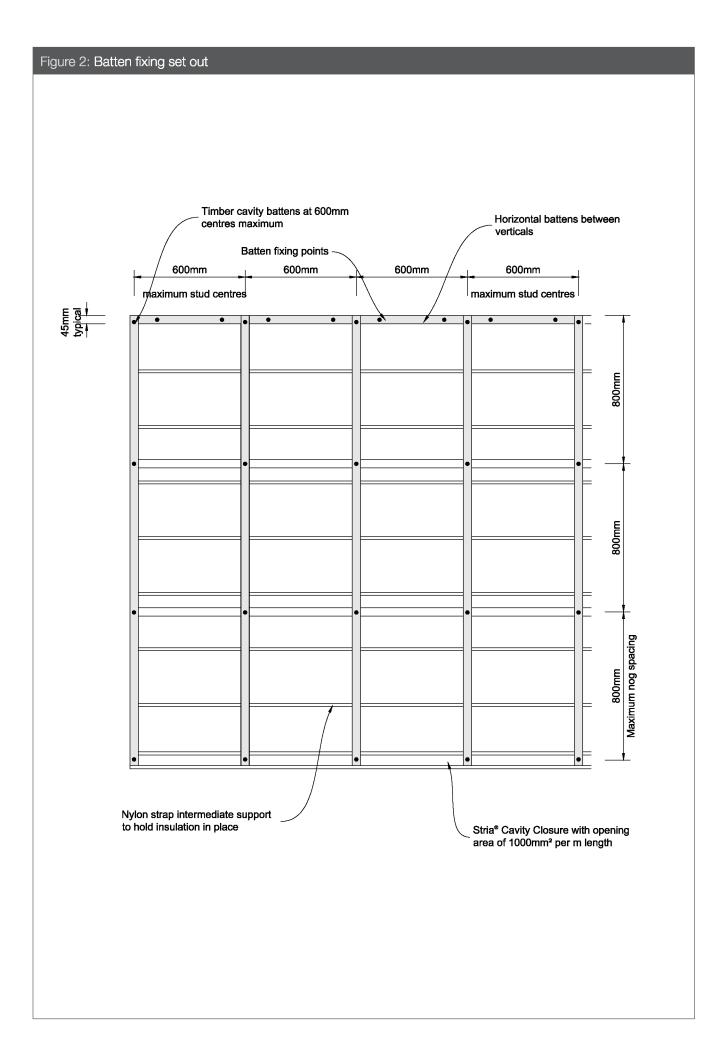
13 Details

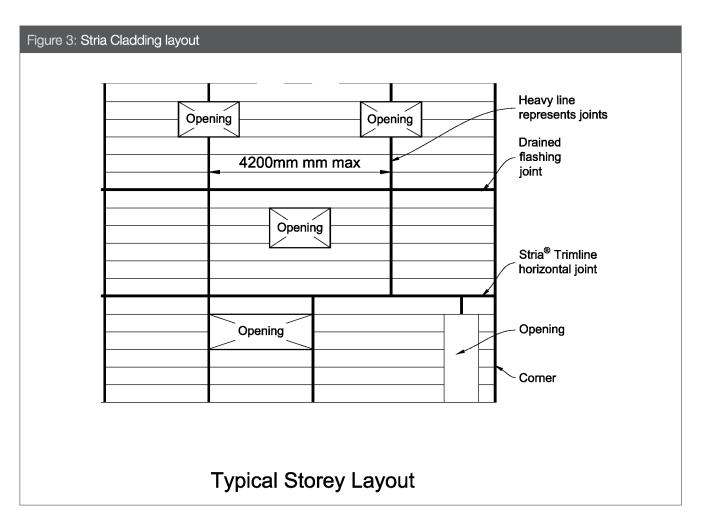
The following generic details have been provided in this document for cavity construction methods.

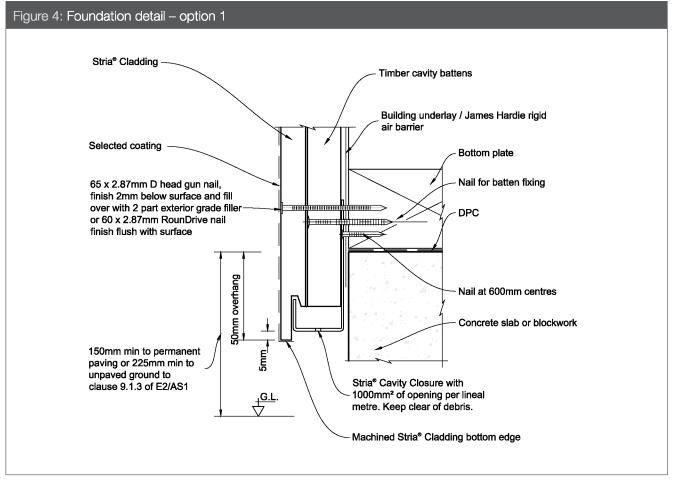
Table 5

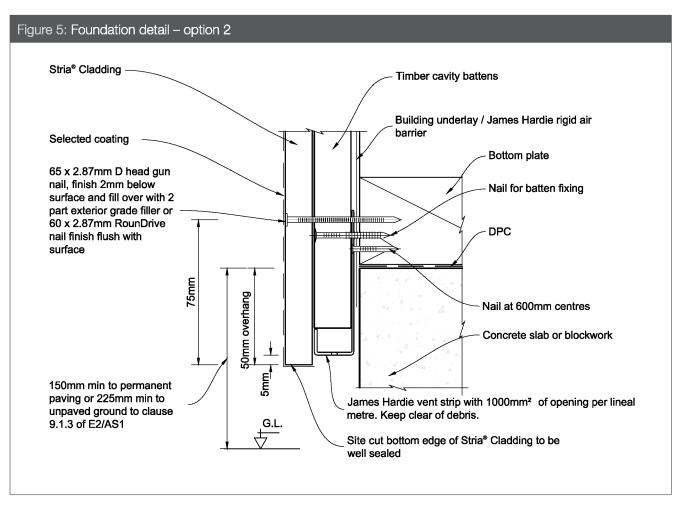
Details				
Description	Cavity Construction			
Description	Figure No.	Page No.		
Framing set out	Figure 1	13		
Batten fixing set out	Figure 2	14		
Stria Cladding layout	Figure 3	15		
Foundation detail – option 1	Figure 4	15		
Foundation detail – option 2	Figure 5	16		
Soffit detail	Figure 6	16		
Vertical trimline joint flashing option	Figure 7	17		
Vertical trimline joint flashing option	Figure 8	18		
Vertical joint flashing option	Figure 9	19		
Vertical joint flashing option	Figure 10	20		
Vertical butt joint option	Figure 11	21		
Fixing detail	Figure 12	22		
External aluminium box corner	Figure 13	23		
External aluminium box corner (Alternative)	Figure 14	23		
Internal aluminium corner	Figure 15	24		
Internal mitred corner	Figure 16	24		
Window sill	Figure 17	25		
Window jamb	Figure 18	25		
Window head	Figure 19	26		
Stria cutting around sill	Figure 20	27		
Stria cutting around head	Figure 21	27		
Window head	Figure 22	28		
Window head to Stria Cladding cut board	Figure 23	28		
Window head	Figure 24	29		
Trimline Horizontal joint at floor joist	Figure 25	30		
Drained flashing joint at floor level	Figure 26	31		
Drained flashing joint at floor joist	Figure 27	32		
Engineered floor joist	Figure 28	33		
Apron flashing detail	Figure 29	33		
Parapet flashing	Figure 30	34		
Roof to wall junction detail	Figure 31	34		
Meter box at sill	Figure 32	35		
Meter box at jamb	Figure 33	35		
Meter box at head	Figure 34	36		
Enclosed deck	Figure 35	36		

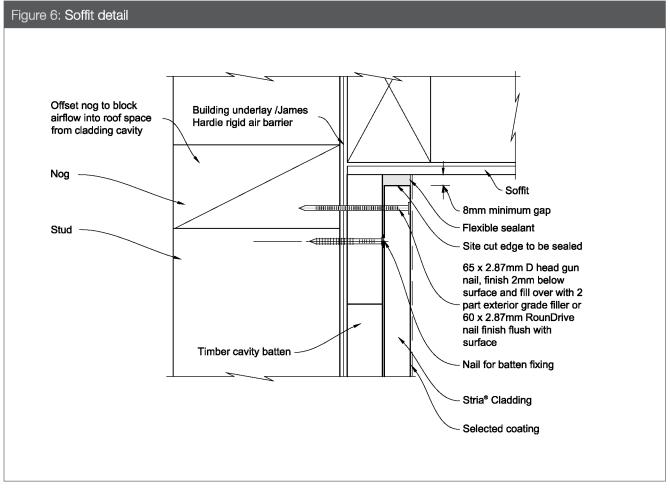


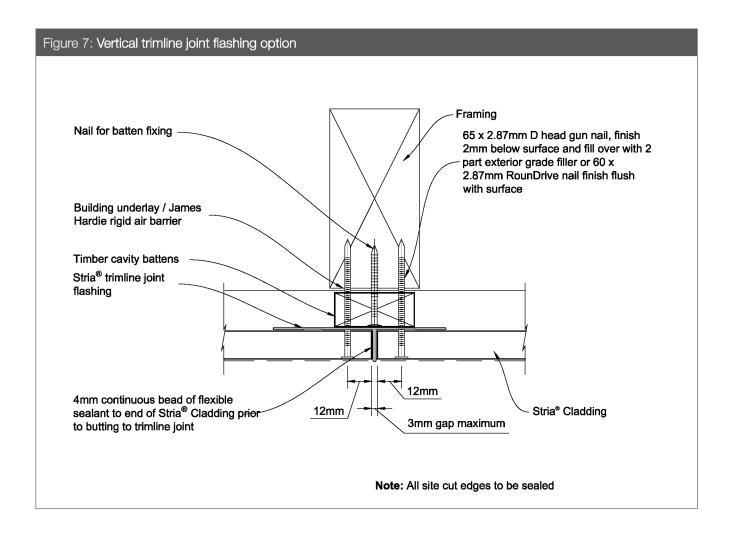


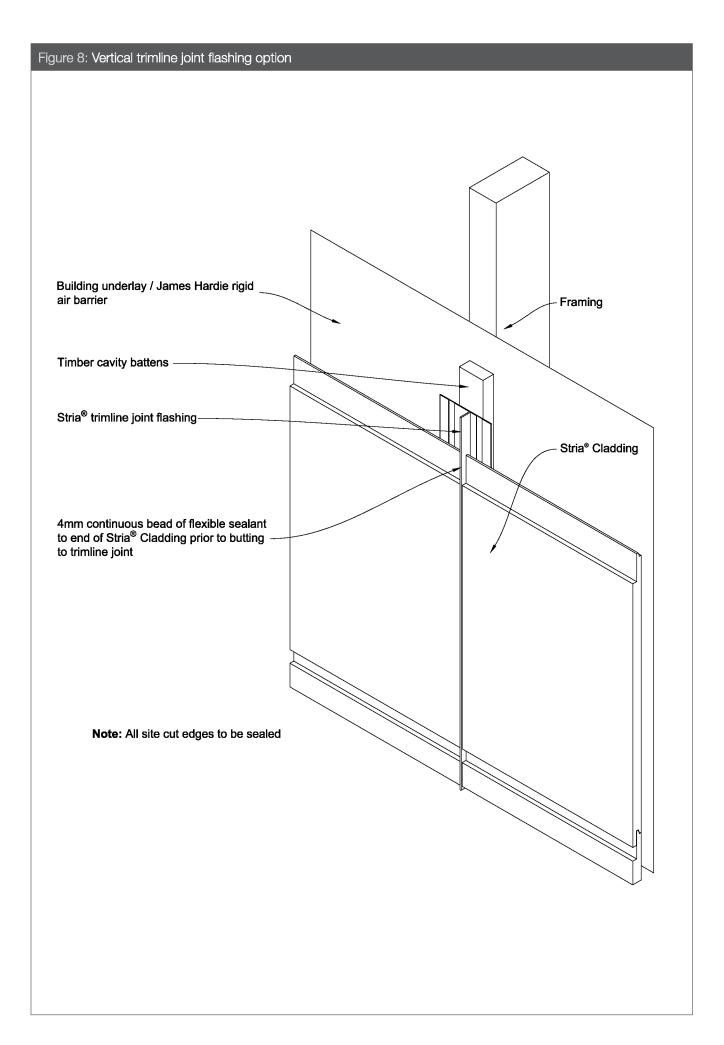


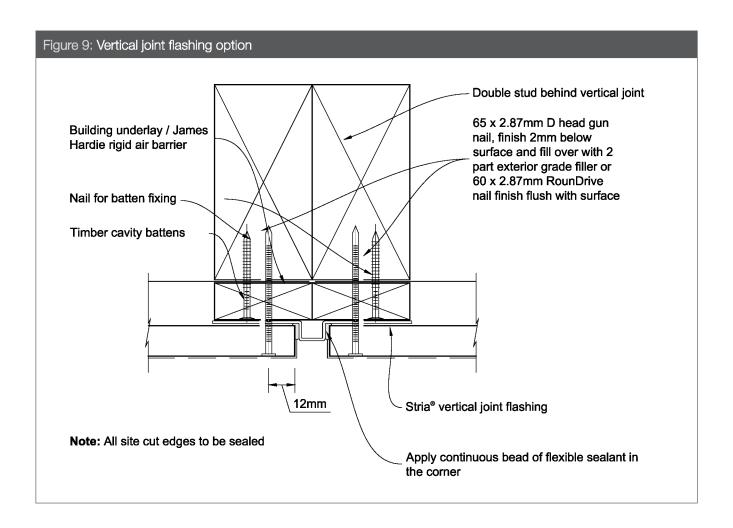


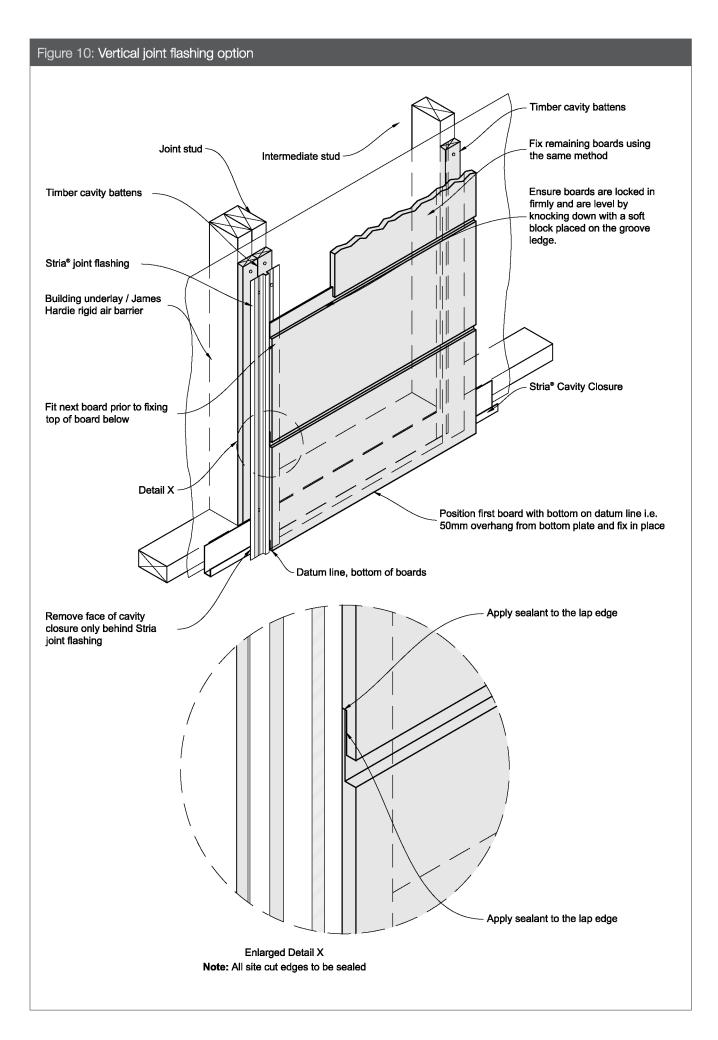


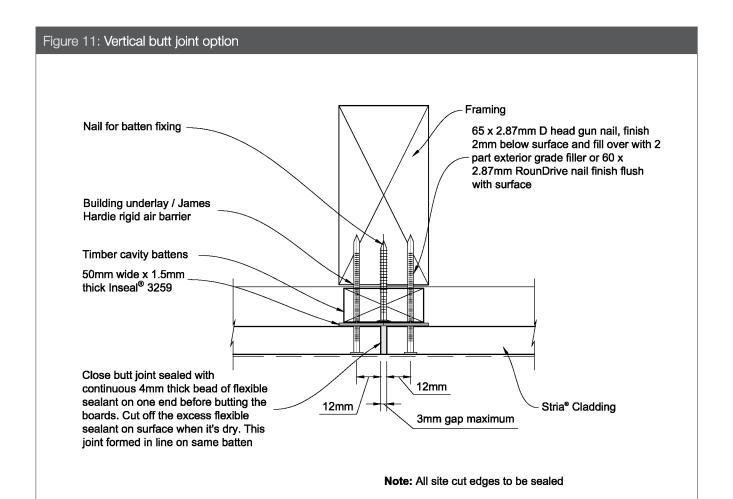


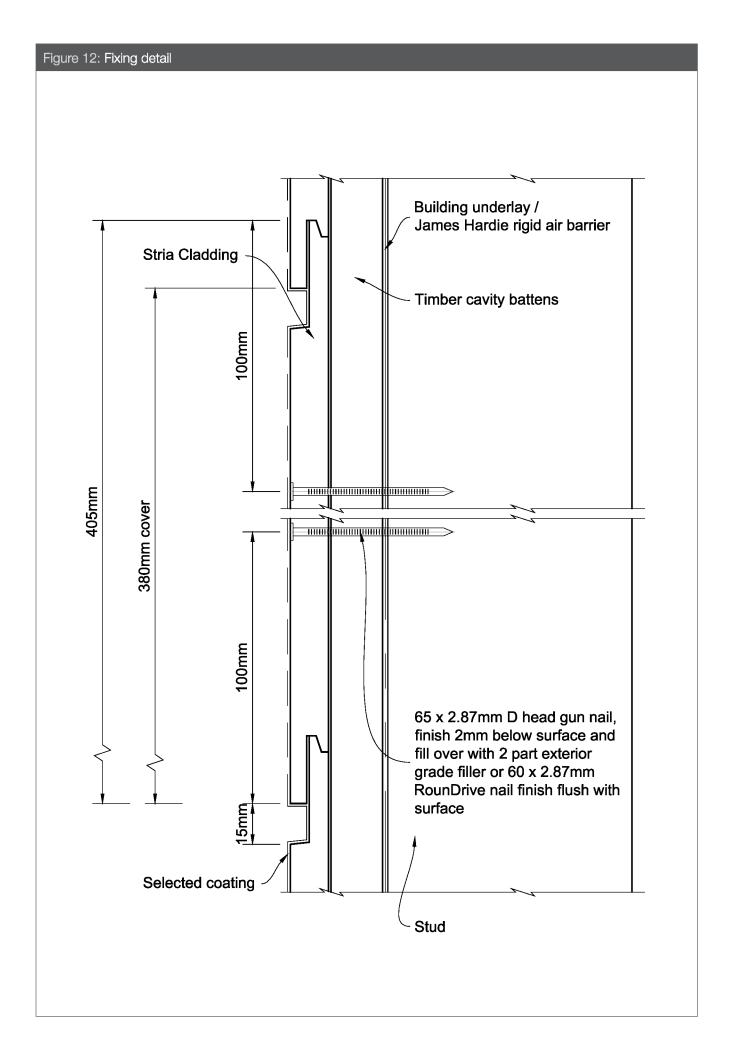


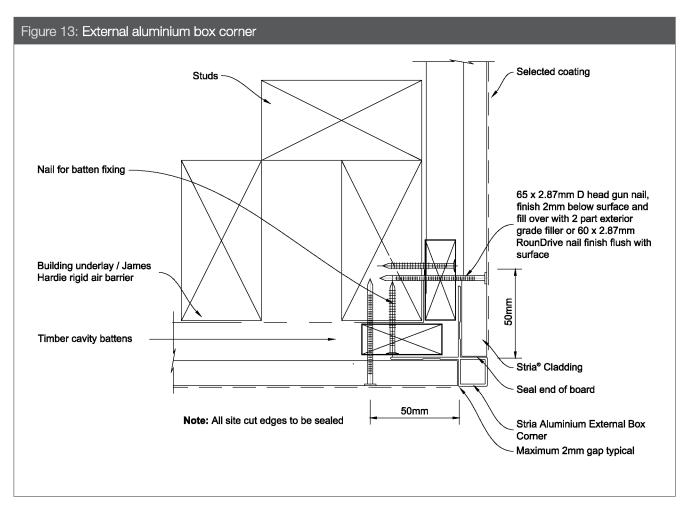


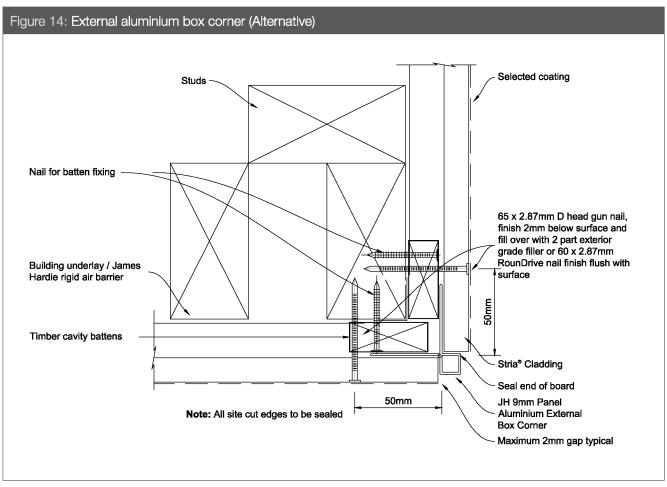


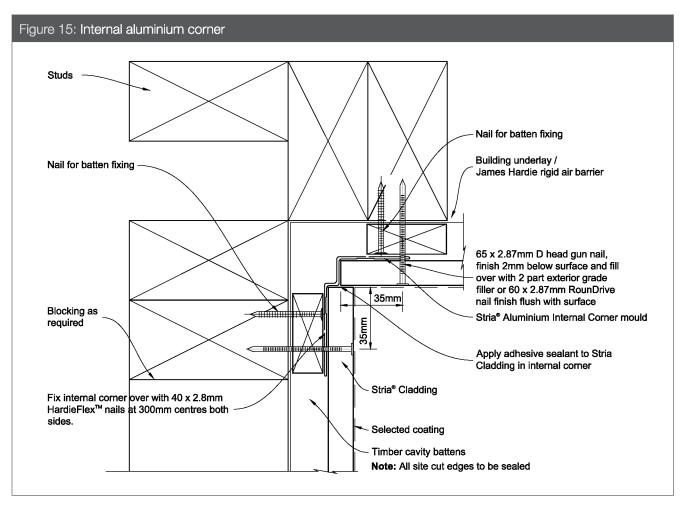












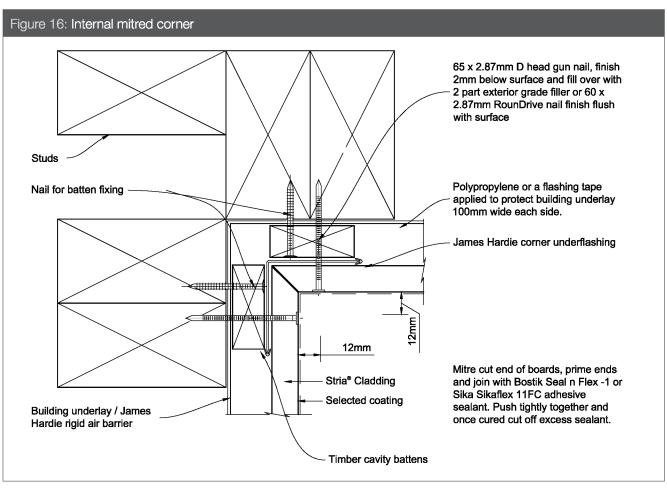
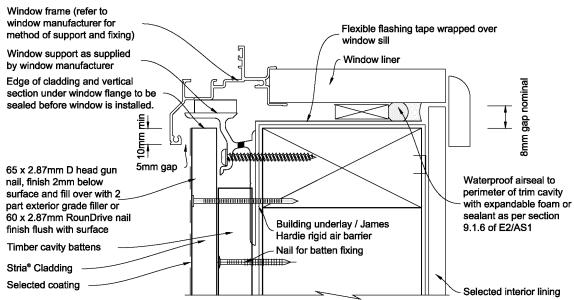


Figure 17: Window sill



General notes for materials selection

- Flashing materials must be selected based on environmental exposure, refer to NZS 3604 and Table 20 of NZBC E2/AS1.
- 2. Building underlay must comply with acceptable solution E2/AS1 and NZS 3604.
- Flashing tape must have proven compatibility with the selected building underlay and other materials with which it comes into contact as per Table 21 of E2/AS1.
- 4. When James Hardie rigid air barriers are used flashing tape to be applied to the entire opening.

Refer to the manufacturer or supplier for technical information for these materials.

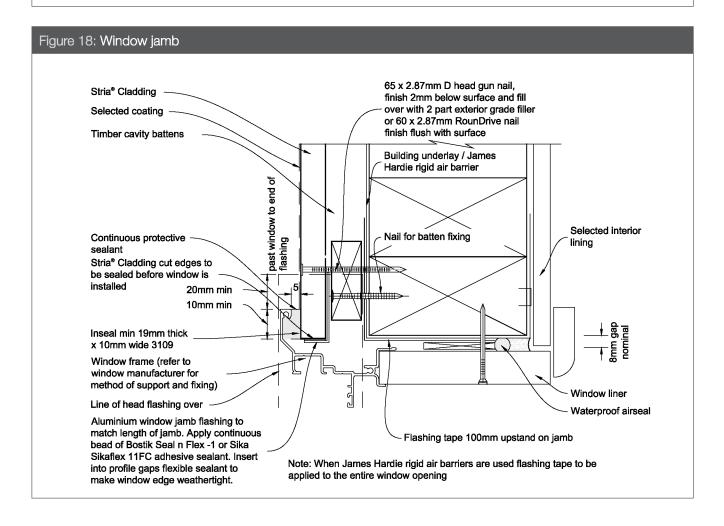
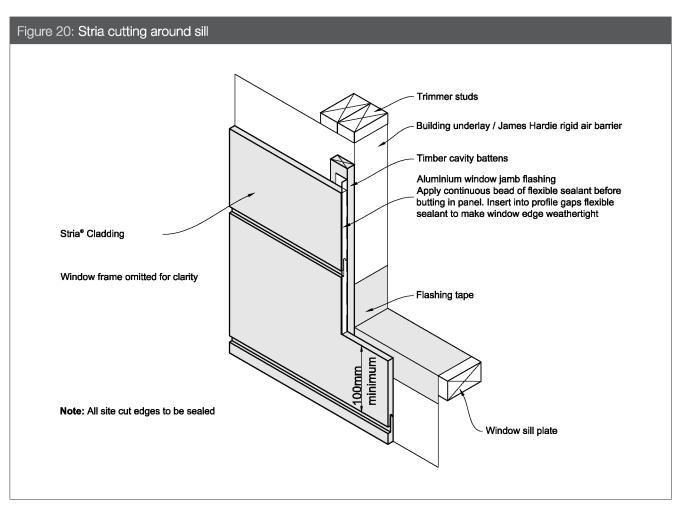
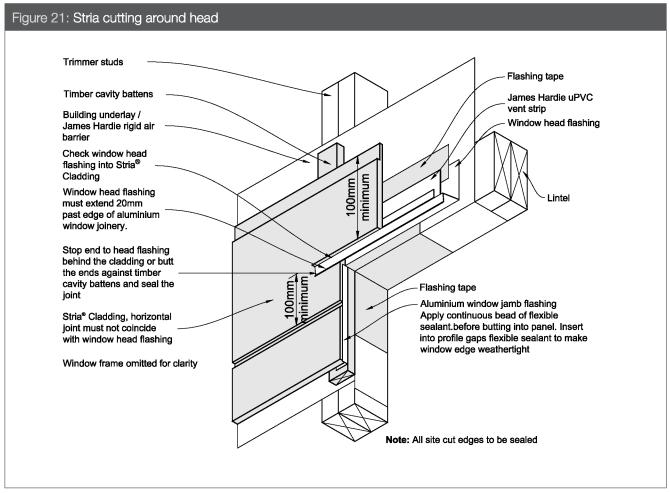
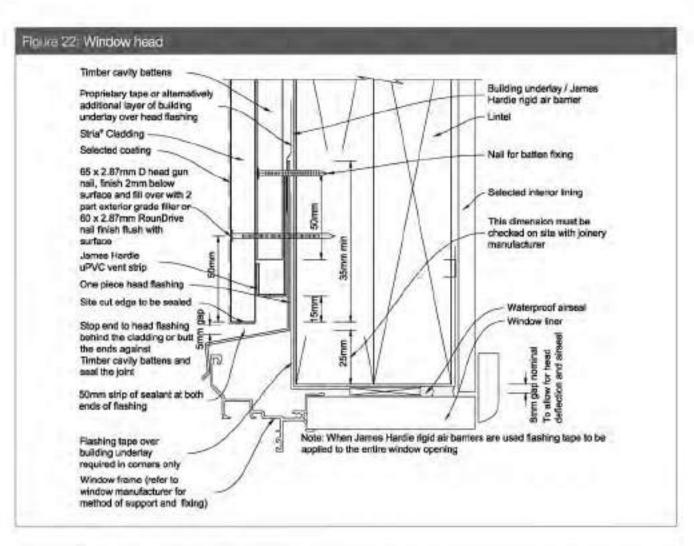
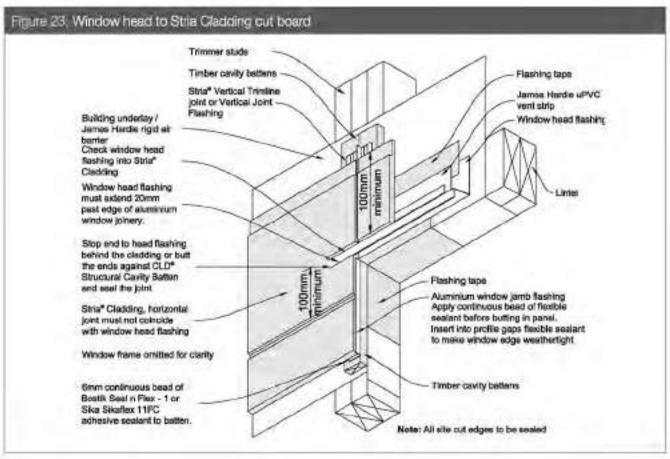


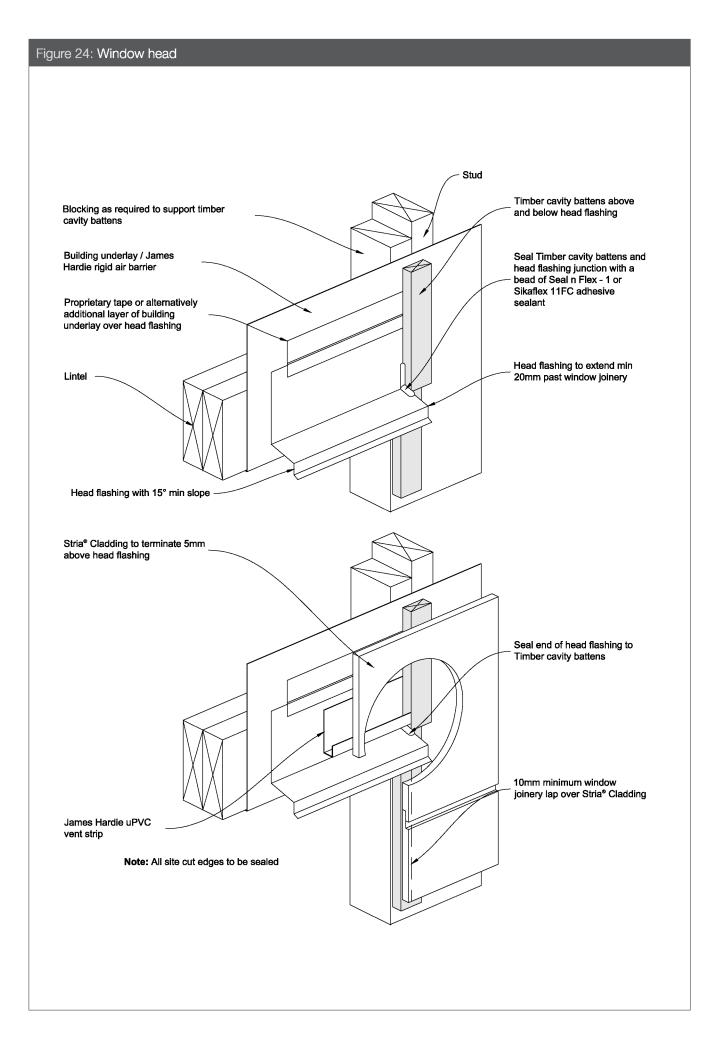
Figure 19: Window head Timber cavity battens Building underlay / James Proprietary tape or alternatively Hardie rigid air barrier additional layer of building underlay over head flashing Stria® Cladding Selected coating Nail for batten fixing 65 x 2.87mm D head gun nail, finish 2mm below surface and fill over with 2 Selected interior lining part exterior grade filler or-50mm 60 x 2.87mm RounDrive This dimension must be nail finish flush with checked on site with joinery surface manufacturer Stria cavity closure-One piece head flashing Site cut edge to be sealed Waterproof airseal Window liner Stop end to head flashing behind the cladding or butt To allow for head deflection and airseal the ends against 8mm gap nominal timber cavity battens and seal the joint Flashing tape over Note: When James Hardie rigid air barriers are used flashing tape to be building underlay applied to the entire window opening required in corners only Window frame (refer to window manufacturer for method of support and fixing) 5mm gap Flashing -Stria® Cladding

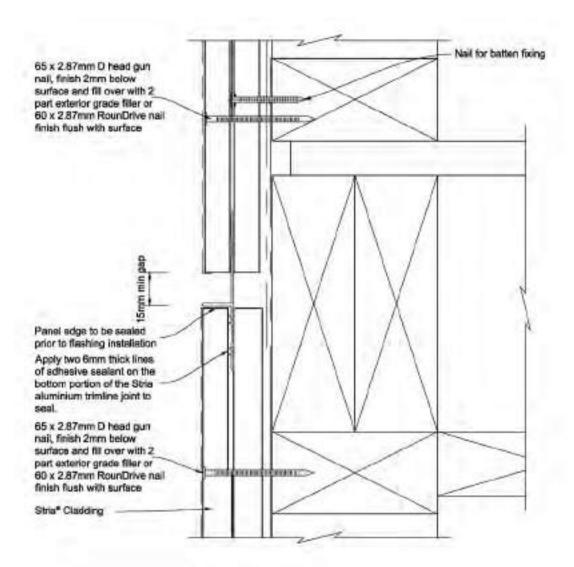












STEP 1

. Check architects plans for the type of flashing to be used.

STEP 2

· Check fixing centres and edge distances.

STEP 3

When 50 year durability is required refer Table 20 E2/AS1.

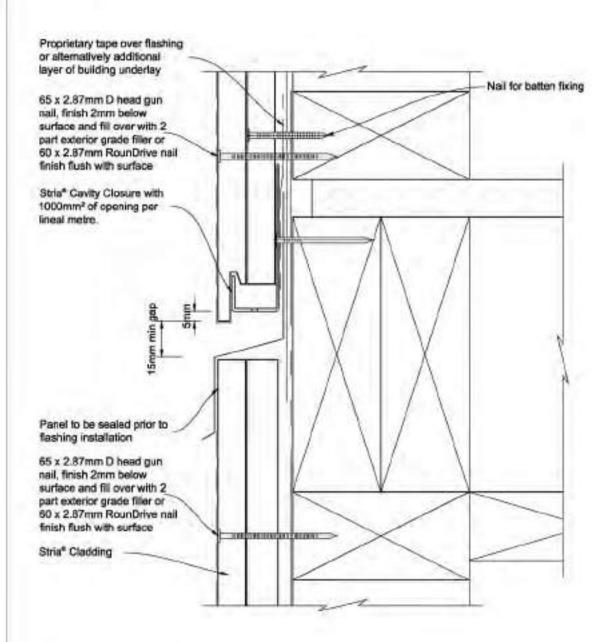
STEP 4

 The flashing to be placed in the centre of the floor joists. Do not fix timber cavity battens or dadding into floor joists.

Notes:

- Stria aluminium trimline joint, take care to ensure continuous seal is formed between panel and the trimline joint.
- A purpose made 100mm long x 16mm deep x 0.7mm thick "L" shaped flashing will be required over the butt joint of the Stria aluminium trimline joint.

Figure 25: Drained fleshing joint at floor level



STEP 1

. Check architects plans for the type of flashing to be used.

STEP 2

- Check fixing centres and edge distances.
- If top fixings are to be hidden by the Z flashing they will need to be fixed and sealed before the Z flashing is installed.

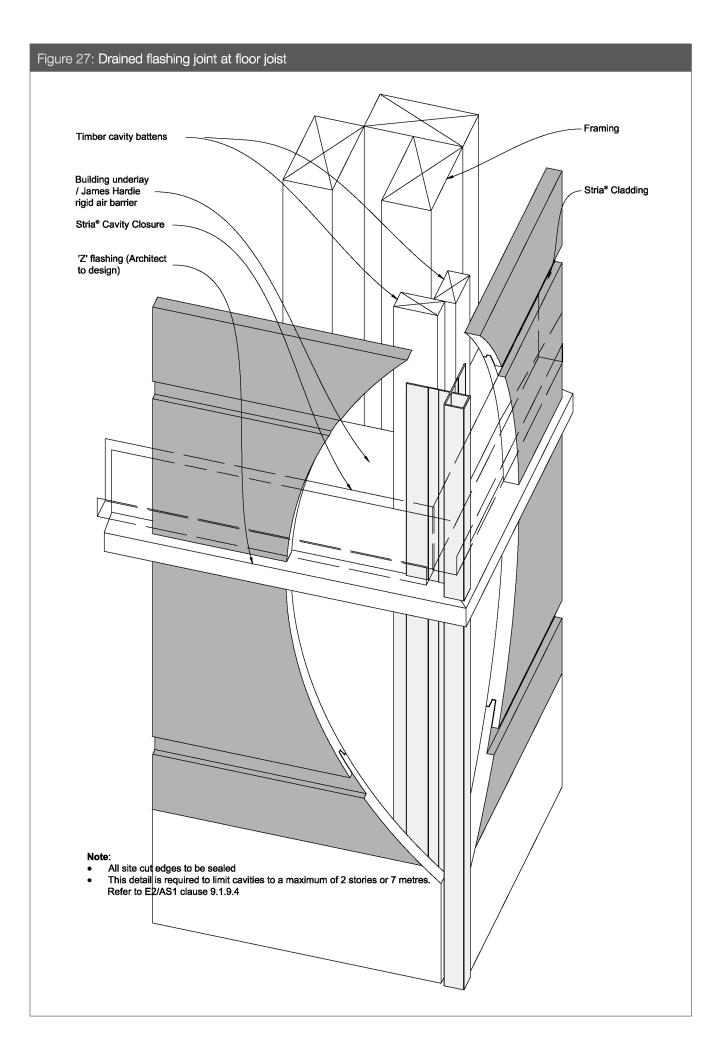
STEP 3

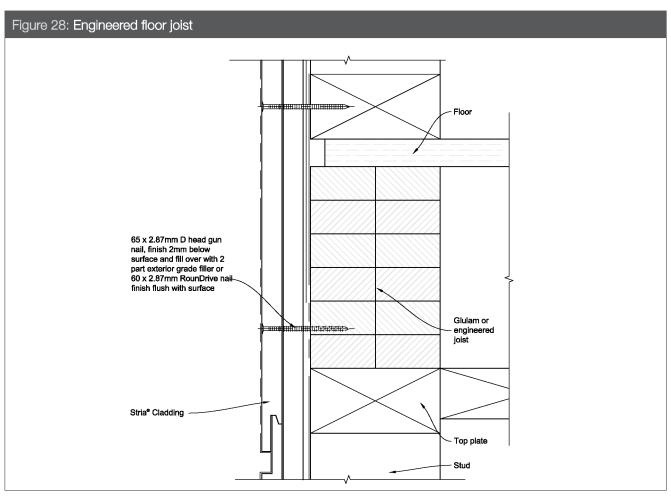
When 50 year durability is required refer Table 20 E2/AS1.

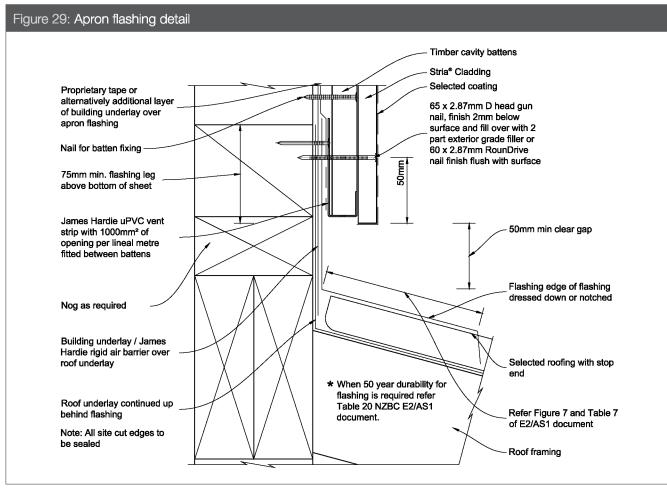
STEP 4

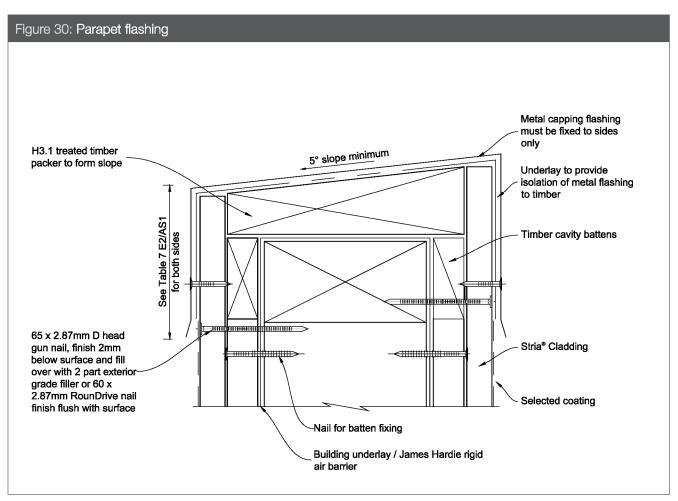
 The flashing to be placed in the centre of the floor joists. Do not fix timber cavity battens or cladding into floor joists,

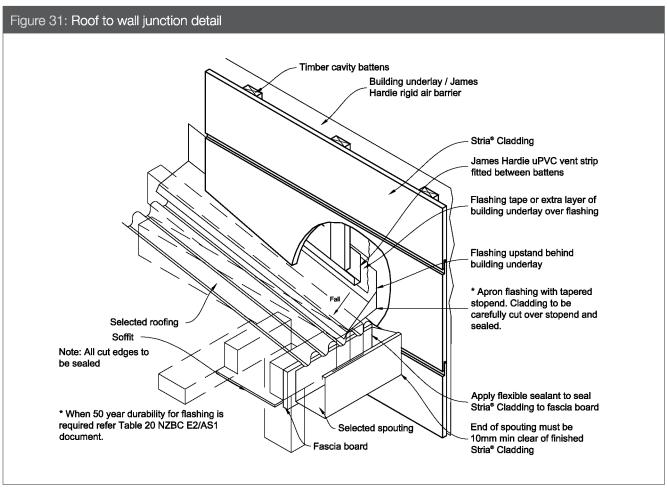
Note: This detail is required to limit cevities to a maximum of 2 stories or 7 metres. Refer to E2/AS1 clause 9.1.9.4

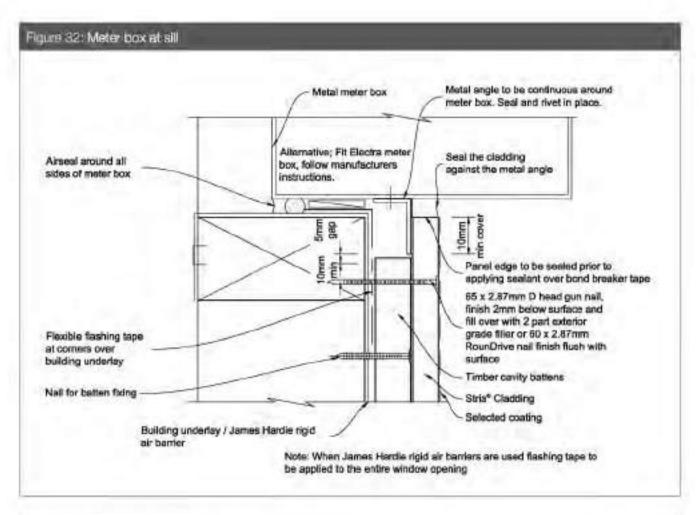


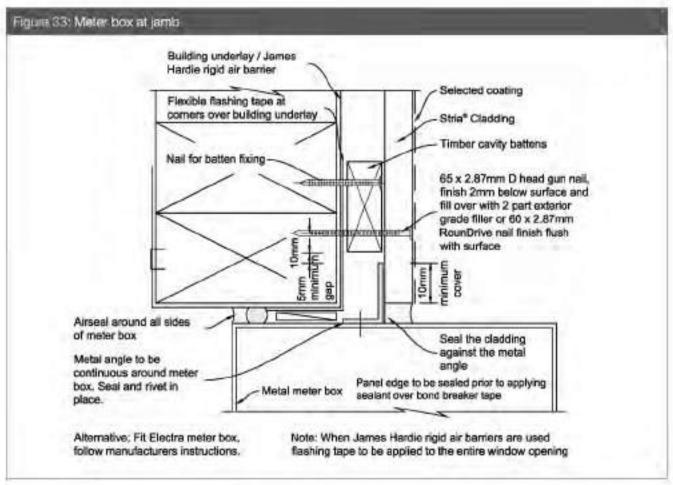


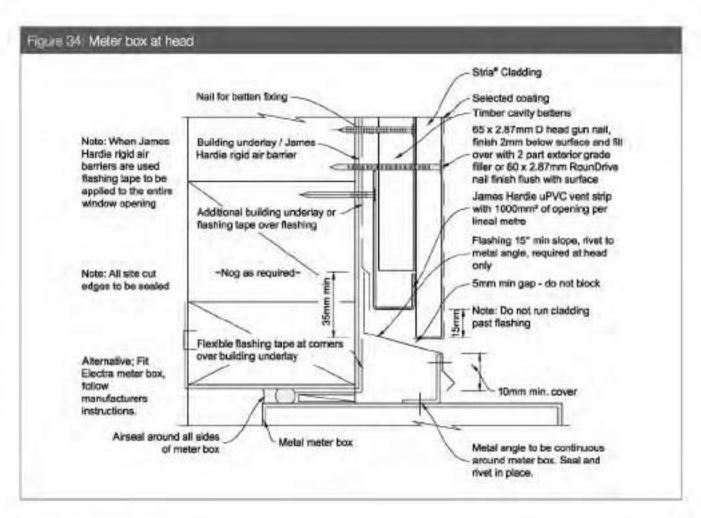


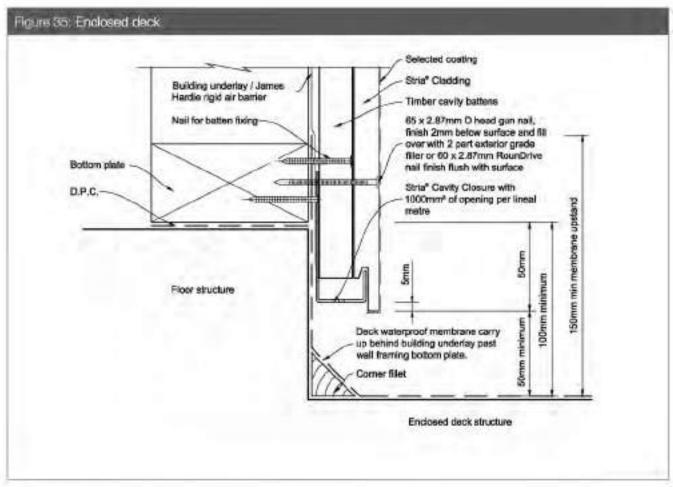






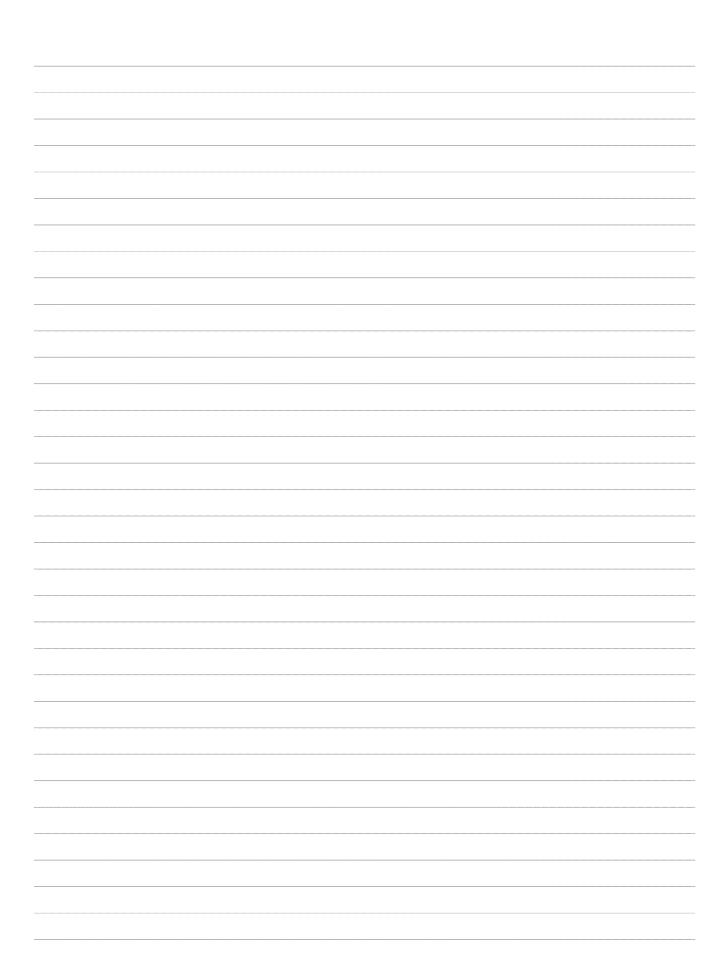






Notes

Notes



Product Warranty



February 2015

James Hardie New Zealand ("James Hardie") warrants for a period of 15 years from the date of purchase that the Stria * Cladding (the "Product"), will be free from defects due to defective factory workmanship or materials and, subject to compliance with the conditions below, will be resistant to cracking, rotting, fire and damage from termite attacks to the extent set out in James Hardie's relevant published literature current at the time of installation. James Hardie warrants for a period of 15 years from the date of purchase that the accessories supplied by James Hardie will be free from defects due to defective factory workmanship or materials.

Nothing in this document shall exclude or modify any legal rights a customer may have under the Consumer Guarantees Act or otherwise which cannot be excluded or modified at law.

CONDITIONS OF WARRANTY:

The warranty is strictly subject to the following conditions:

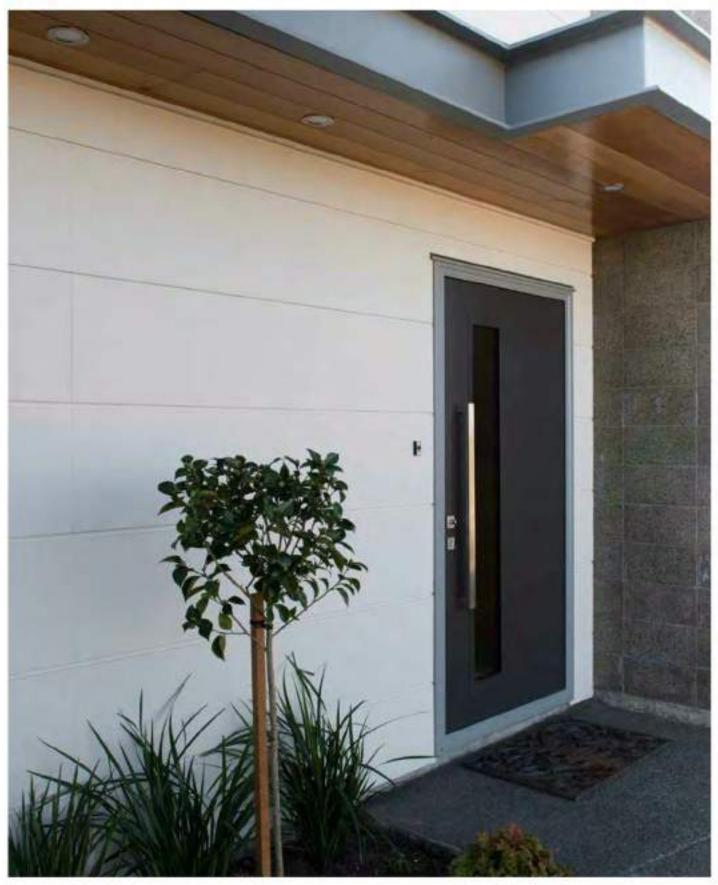
- a) James Hardie will not be liable for breach of warranty unless the claimant provides proof of purchase and makes a written claim either within 30 days after the defect would have become reasonably apparent or, if the defect was reasonably apparent prior to installation, then the claim must be made prior to installation;
- b) this warranty is not transferable;
- c) the Product must be installed and maintained strictly in accordance with the relevant James Hardie literature current at the time of installation and must be installed in conjunction with the components or products specified in the literature. Further, all other products, including coating and jointing systems, applied to or used in conjunction with the Product must be applied or installed and maintained strictly in accordance with the relevant manufacturer's instructions and good trade practice;
- d) the project must be designed and constructed in strict compliance with all relevant provisions of the current New Zealand Building Code ("NZBC"), regulations and standards;
- e) the claimant's sole remedy for breach of warranty is (at James Hardie's option) that James Hardie will either supply replacement product, rectify the affected product or pay for the cost of the replacement or rectification of the affected product;
- f) James Hardie will not be liable for any losses or damages (whether direct or indirect) including property damage or personal injury, consequential loss, economic loss or loss of profits, arising in contract or negligence or howsoever arising. Without limiting the foregoing James Hardie will not be liable for any claims, damages or defects arising from or in any way attributable to poor workmanship, poor design or detailing, settlement or structural movement and/or movement of materials to which the Product is attached, incorrect design of the structure, acts of God including but not limited to earthquakes, cyclones, floods or other severe weather conditions or unusual climatic conditions, efflorescence or performance of paint/coatings applied to the Product, normal wear and tear, growth of mould, mildew, fungi, bacteria, or any organism on any Product surface or Product (whether on the exposed or unexposed surfaces);
- g) all warranties, conditions, liabilities and obligations other than those specified in this warranty are excluded to the fullest extent allowed by law;
- h) if meeting a claim under this warranty involves re-coating of Products, there may be slight colour differences between the original and replacement Products due to the effects of weathering and variations in materials over time.

Disclaimer: The recommendations in James Hardie's literature are based on good building practice, but are not an exhaustive statement of all relevant information and are subject to conditions (c), (d), (f) and (g) above. James Hardie has tested the performance of the Stria* Cladding when installed in accordance with the Stria* Cladding Timber Cavity Batten technical specification, in accordance with the standards and verification methods required by the NZBC and those test results demonstrate the product complies with the performance criteria established by the NZBC. However, as the successful performance of the relevant system depends on numerous factors outside the control of James Hardie (e.g. quality of workmanship and design) James Hardie shall not be liable for the recommendations made in its literature and the performance of the relevant system, including its suitability for any purpose or ability to satisfy the relevant provisions of the NZBC, regulations and standards, as it is the responsibility of the building designer to ensure that the details and recommendations provided in the relevant James Hardie installation manual are suitable for the intended project and that specific design is conducted where appropriate.

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Ask James Hardie™ | Call 0800 808 868 | jameshardie.co.nz



Thermakraft

CIVSYB	1 1
	Feb 2016

THERMAKRAFT 215 SELF SUPPORTING

BITUMINOUS ROOFING UNDERLAY

TECHNICAL SPECIFICATIONS

Technical Data

THERMAKRAFT 215 BITUMINOUS SELF SUPPORTING ROOFING UNDERLAY complies with the requirements of NZBC E2/AS1 Table 23.

Nominal Grammage

400g/m2

NZBC E2/AS1 TABLE 23 WALL UNDERLAY PROPERTIES	PROPERTY PERFORMANCE REQUIREMENTS	PROPERTY PERFORMANCE	
Absorbency	2100 gsm	Pass	
Vapour Resistance	≤7 MN.s/g	Pass	
pH of Extract	26 and ≤9	Pass	
Shrinkage	≤0.5%	Pass	
Water Resistance	≥100mm	Pass	
Air Barrier	≥0,1 MN.s/m³	Pass	
Duty		Heavy	

	NZS2295:2206 Classification	
Flammability Index		Non Fire Retardant
Wind Zone	R2	Up to Very High
NZS2295:2006 Classification	R2	Self Supporting

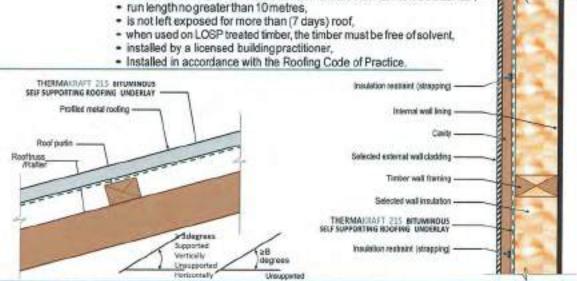
Durability/Limitations

For THERMAKRAFT 215 to meet the Performance Requirements of NZBC Clause B2, Durability B2.3.1(a) 50 years and B2.3.1(b) 15 years, E2 External Moisture,

THERMAKRAFT 215: must be installed in accordance to the "APPLICATION and INSTALLATION GUIDELINES", run length no greater than 10 metres, is not left exposed for more than (7 days) roof,

 when used on LOSP treated timber, the timber must be free of solvent. installed by a licensed buildingpractitioner,

Installed in accordance with the Roofing Code of Practice.



The recommendations contained in Thermakrah's literature are based on good building practice, but are not an exhaustive statement of all relevant information and are subject to any conditions contained in the Warranty. All product dimensions and performance claims are subject to any varietion caused by normal manufacturing process and before case. Furthermore, as the successful performance of the relevant system depends on numerous factors outside the control of thereadraft (for example quality of workmanship and design), Thermakes II shall not be liable for the recommendations in that literature and the performance of the Product, including its suitability for any purpose or ability to satisfy the relevant provisions of the Building Code, regulations and standards



11 Turin Place, East Tarraki, Auddans, New Zealand PO Box 58-112, Botany, Manufusu 2165, New Zealand Phone: 09-273 3727 Fax: 09-273 3726 Free Phone: 0800 805 505 Email: sales@thermolyafl.co.nz Website: www.thermolyafl.co.nz

Thermakraft

THERMAKRAFT 215

BITUMINOUS SELF SUPPORTING ROOFING UNDERLAY

APPLICATION AND INSTALLATION

Product Description	Thermakraft 215 BITUMINOUS SELF SUPPORTING ROOFING UNDERLAY IS
	specifically designed for use in Domestic and Commercial type buildings.

Thermakraft 215 is a breathable, absorbent bituminous wall and roofing underlay.

Thermakraft 215 will provide the following functions:

- . Reduce wind entry into the cavity, thereby assisting the performance of thermal insulation.
- Highly water vapour permeable, thereby allowing excess water vapour which might otherwise condense in the structure, to escape.
- Provides a temporary protection against wind, dust, rain and other weathering elements until the external cladding is applied.

Applications

Thermakraft 215 is suitable as a wall and roofing underlay where Fire Retardancy is NOT required, and with all claddingtypes.

Thermakraft 215 is self-supporting to 1200mm rafter/purlin spacing.

Thermakraft 215 can be used as an Air Barrier.

Thermakraft 215 must not be left exposed to the elements for more than 7 days. Cladding on the same day is recommended.

If Fire Retardancy (FI<5) is required, use Thermakraft CoverTek roof underlay

The membrane should be firmly laid to avoid excessive dishing between purlins.

Installation Roofing

Thermakraft 215 may be run unsupported vertically over purlins with a 150mm lap if roofpitch ≥8 degrees. May be run vertically at pitches ≥3-8 degrees if supported Fix securely to purlins with 8mm staples or 20mm clouts.

Control of Condensation

Thermakraft 215 may be run horizontally across rafter/trusses with a 150mm lap, for roof pitches ≥3 degrees. Fix securely with 8mm staples or 20mm clouts.

In climatic regions where condensation risks are high, such as cold or high humidity areas, care needs to be taken in specifying the correct design and installation to prevent moisture build-up in the roof cavities. Factors which adversely affect the condensation risk in roofing systems include:

- . Humid, and/or cold climatic regions
- . Warm/Skillion roof construction
- Low roof cavity air volume and restricted air movement
- Omitting Vapour Control Layers
- Calling penetrations and entry of warmain into roofcavities
- Occupancy activities which have high moisture loading on conditioned spaces
- . Lowpitched roof
- Bulkinsulation
- Building structures ability to naturally dry Construction Moisture

Skillion and Warm Roof Construction are particularly sensitive to maisture accumulation and the design and installation of roof construction needs to take into account the higher condensation risks. Refer MRM Code of Practice for details.

Storage

Thermakraft 215 should be stood on end in dry conditions. Protect from the weather and direct sunlight.

Roll Dimensions

1250mmx40.0m=50m² 20kg 1250mmx20.0m=25m³ 10kg

For more information regarding Thermakraft COVER EK 407 FIRE RETARDANT SELF SUPPORTING ABSORBENT BREATHABLE SYNTHETIC NON WOVEN ROOFING UNDERLAY refer to the "DESIGNER and USER GUIDELINES" - Direct and Cavity Fix, or contact Thermakraft Customer Services on 0800 806 595.



BRANZ Appraisals

Technical Assessments of products for building and construction

BRANZ APPRAISAL No. 548 (2007)

Amended 15 August 2008

TEKTON® BUILDING WRAP

Marshall Waterproofing NZ/AUS Ltd

P O Box 9411 Greerton Tauranga

Tel: 07 543 0948 Fax: 07 541 1029



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Brookvale
NSW 2100
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Exx: +61 2 9938 6011



Produce

S MAR ZOTT

1.1 Tekton® Building Wrap is a synthetic breather-type building wrap for use as a wall wrap and air barrier under direct and non-direct fixed wall cladding on timber and steel framed buildings. The product is manufactured of a coated spun-bonded polypropylene, and is approximately 0.6 mm thick.



Smons

- 2.1 Tekton® Building Wrap has been appraised for use as a wall wrap on timber framed buildings within the following scope:
- the scope limitations of NZBC Acceptable Solution E2/AS1, Paragraph 1.1; and,
- · with absorbent wall claddings directly fixed to framing; and,
- with absorbent and non-absorbent wall claddings installed over an 18 mm minimum drained cavity; and,
- · with masonry veneer in accordance with NZS 3604:1999; and,
- situated in NZS 3604 Building Wind Zones up to, and including 'Very High'.
- 2.2 Tekton® Building Wrap has been appraised for use as a wall wrap on steel framed buildings within the following scope:

the scope limitations of NZBC Acceptable Solution E2/AS1, Paragraph 1.1 with regards to building height and floor plan area; and,

with absorbent and non-absorbent wall claddings installed over an 18 mm minimum drained cavity; and,

with masonry veneer; and,

situated in NZS 3604 Building Wind Zones up to, and including 'Very High'.

2.3 Tekton® Building Wrap has also been appraised for use on buildings subject to specific weathertightness design. Building designers are responsible for the building design and for the incorporation of Tekton® Building Wrap into their design in accordance with the declared properties and the instructions of Marshall Waterproofing NZ/AUS Ltd.

Building Fairballing

New Zealand Building Code (NZBC)

3.1 In the opinion of BRANZ, Tekton" Building Wrap, if used, designed, installed and maintained in accordance with the statements and conditions of this Appraisal, will meet, or contribute to meeting the following provisions of the NZBC:

Clause B2 DURABILITY: Performance B2.3.1(a), 50 years and B2.3.1(b), 15 years. Tekton® Building Wrap meets these requirements. See Paragraphs 8.1 and 8.2.

Clause E2 EXTERNAL MOISTURE: Performance E2.3.2, When used as part of the cladding system, Tekton® Building Wrap will contribute to meeting this requirement, See Paragraphs 11.1 - 11.3.

Clause F2 HAZARDOUS BUILDING MATERIALS: Performance F2.3.1. Tekton® Building Wrap meets this requirement and will not present a health hazard to people.

3.2 This is an Appraisal of an Alternative Solution in terms of the New Zealand Building Code compliance.

To rolled Specification

4.1 Tekton* Building Wrap is a 100 g/m² light grey sheet membrane material approximately 0.6 mm thick.

4.2 The product is supplied in rolls 1.370 m x 74 m and 2.743 m x 37 m. The product is printed with the Tekton® logo repeated along the length of the roll. The rolls are wrapped with an instruction sticker.

Accessories

- 4.3 Accessories used with Tekton* Building Wrap which are supplied by the installer are:
- Fixings staples, clouts or proprietary wrap fixings, or other temporary fixings to attach the wall wrap to the framing.
- Building wrap support polypropylene strap, 75 mm galvanised mesh or galvanised wire, or vertical cavity battens where required to support the wall wrap in accordance with NZBC Acceptable Solution E2/ASI, Paragraph 9.1.8.5.

Handling and Storage

5.1 Handling and storage of the product, whether on or off site, is under the control of the installer. The rolls must be protected from damage and weather. They must be stored on end, under cover, in clean, dry conditions and must not be crushed.

or to a fine show

6.1 Refer to the Appraisals listing on the BRANZ website for details of the current Technical Literature for Tekton® Building Wrap. The Technical Literature must be read in conjunction with this Appraisal. All aspects of design, use, installation and maintenance contained in the Technical Literature and within the scope of this Appraisal must be followed.

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Timber and Steel Framing

7.1 Studs must be provided at maximum 600 mm centres. Dwangs must be fitted flush between the studs at maximum 1200 mm centres.

General

- 7.2 Tekton® Building Wrap is intended for use as an affernative to conventional building papers which are fixed over timber and steel framed walls in order to limit the entry of wind into building cavities, and to act as a secondary barrier to wind-driven rain.
- 7.3 The material also provides a degree of temperary weather protection during early construction. However, the product will not make the building weathertight and some wetting of the underlying structure is always possible before the building is closed in. Hence, the building must be closed-in and made weatherproof before moisture sensitive materials such as wall or ceiling linings and insulation materials are installed.
- 7.4 Tekton® Building Wrap is suitable for use under wall claddings as a wall wrap as called up in NZBC Acceptable Solution E2/AS1, Table 23, except that it must not be used with non-absorbent wall claddings such as vinyl or metal based sidings or weatherboards in direct fixed installations. Tekton® is suitable for use under cavity based wall claddings as a non-absorbent synthetic wall wrap as called up in NZS 2295, Table 2.4 on steel framed buildings. Refer to Table 1.
- 7.5 Tektori[®] Building Wrap is also suitable for use as an air barrier to walls that are not lined, such as attic spaces at gable ends, as called up in NZBC Acceptable Solution E2/AS1, Paragraph 9.1.4 (b). Refer to Table 1.

Table 1: NZBC E2/AS1 Table 23 Requirements

NZBC E2/AS1 Table 23 Wall Wrap Properties	Property Performance Requirement	Actual Property Performance Classified as non-absorbent (see paragraph 7.4)	
Absorbency	≥ 100 g/m²		
Vapour Resistance	≤ 7 MN s/g	1.15 MN s/g	
Water Resistance	≥ 20 mm Pass		
pH of Extract	tract ≥ 6 and ≤ 9 9.78 (Note		
Shrinkage	rinkage ≤ 0.5%		
Mechanical	Edge tear and tensile strength Hachine of 228 N Cross direct 186 N Tensile strength Hachine of 4.4 kN/m Cross direct 3.9 kN/m		
Air Barrier	Barrier Air resistance: ≥0.1 M ≥ 0.1 MN s/m³		

Note 1: Further testing of Tekton® Building Wrap was completed to determine the effect of the high pH level on the wrap and materials it is likely to come into contact with during its serviceable life. The testing confirmed that the high pH had no adverse effects on the building wraps performance, or the performance of other materials.

7.6 In cavity installations where the cavity battens are installed at greater than 450 mm centres, the building wrap must be supported between the battens to prevent the wrap bulging into the cavity space when bulk insulation is installed in the wall frame cavity in accordance with the requirements of NZBC Acceptable Solution E2/AS1, Paragraph 9.1.8.5.

Stucco Plaster

7.7 Tekton® Building Wrap is suitable for use as a nonrigid backing material for stucco plaster in accordance with the requirements of NZBC Acceptable Solution E2/AS1, Paragraph 9.3.5.1. The wrap must be supported with 75 mm galvanised mesh or plastic tape or wire at 150 mm centres run across the cavity battens to limit deflection to a maximum of 5 mm in accordance with the requirements of NZBC Acceptable Solution E2/AS1, Paragraph 9.3.5.2.

7.8 Tekton® Building Wrap may also be used as a slip layer over rigid backings for stucco plaster in accordance with the requirements of NZBC Acceptable Solution E2/AS1, Paragraph

9.3.3(b).

Structure

8.1 Tekton* Building Wrap is suitable for use in all Building Wind Zones of NZS 3604 up to, and including, 'Very High'.

Durability

9.1 Tekton® Building Wrap meets code compliance with NZBC Clause B2.3.1 (a), 50 years for building wraps used where the cladding durability requirement or expected serviceable life is not less than 50 years, and code compliance with NZBC Clause B2.3.1 (b), 15 years for building wraps used where the cladding durability requirement is 15 years.

Serviceable Life

9.2 Provided it is not exposed to the weather or ultraviolet light for a total of more than 60 days, and provided the exterior cladding is maintained in accordance with the cladding manufacturer's instructions and the cladding remains weather resistant, Tekton® Building Wrap is expected to have a serviceable life equal to that of the cladding.

Control of Internal Fire and Smoke Spread

10.1 Tekton* Building Wrap has an AS 1530 Part 2 Flammability Index of 0 and meets the requirements of NZBC Acceptable Solution C/AS1 Part 6, Table 6.2 for surface finish requirements for suspended flexible fabrics, and therefore it may be used with no restrictions in all buildings.

Outbreak of Fire

11.1 Tekton* Building Wrap must be separated from fireplaces, heating appliances, flues and chimneys in accordance with the requirements of NZBC Acceptable Solution C/AS1 Part 9 for the protection of combustible materials.

External Moisture

12.1 Tekton® Building Wrap must be used behind claddings that meet the requirements of the NZBC, e.g. such as those covered by NZBC Acceptable Solution E2/AS1, or claddings covered by a valid BRANZ Appraisal.

12.2 Tekton® Building Wrap, when installed in accordance with the Technical Literature and this Appraisal, will assist in the total cladifing systems compliance with NZBC Clause E2.

12.3 When used as an air barrier, particular care must be taken to ensure an air tight barrier is achieved, and weather sealing at all openings and penetrations through the cladding meets the requirements of the NZBC.

melalistics information

Installation Skill Level Requirements

13.1 Installation must always be carried out in accordance with the Technical Literature and this Appraisal, by competent tradespersons with an understanding of wall wrap installation.

Wrap Installation

14.1 Tekton® Building Wrap must be fixed to all framing members at maximum 300 mm centres with hot-dip galvanised, large-head clouts 20 mm long, zinc plated 6-8 mm staples, or proprietary wrap fixings. The membrane must be pulled taut over the framing before fixing.

14.2 Tekton® Building Wrap must be run horizontally and must extend from the upper-side of the top plate to the under-side of the bearers or wall plates supporting ground floor joists, or below bottom plates on concrete slabs. Horizontal laps must be no less than 75 mm wide, with the direction of the lap ensuring that water is shed to the outer face of the membrane. End laps must be made over framing and be no less than 150 mm wide.

14.3 The wall wrap should be run over openings and these left covered until windows and doors are ready to be installed. Openings are formed in the membrane by cutting on a 45 degree diagonal from each corner of the penetration. The flaps of the cut membrane must be folded inside the opening and stapled to the penetration framing. Excess wrap may be cut off flush with the internal face of the wall frame.

14.4 Tekton® Building Wrap can be added as a second layer over head flashings in accordance with the requirements of NZBC Acceptable Solution E2/AS1, Paragraph 9.1.7(a).

14.5 When fixing the product in windy conditions, care must be taken due to the large sail area created by wide roll widths.

14.6 Any damaged areas of Tekton® Building Wrap, such as tears, holes or gaps around service penetrations, must be repaired. Damaged areas can be repaired by covering with new material lapping the damaged area by at least 150 mm and taping, or by taping small tears.

Dases of Appropries

The following is a summary of the technical investigations carried out:

Tests

15.1 The following tests have been carried out on Tekton® Building Wrap by Ensis Papro: Folding strength of paper in accordance with AS/NZS 1301.423; edge tear resistance and tensile strength in accordance with AS/NZS 4200.1 and air resistance in accordance with BS 6538-3.

15.2 The following tests have been carried out on Tekton® Building Wrap by BRANZ: Absorbency in accordance with AS/NZS 4201.6, Vapour transmission in accordance with ASTM E 96B, Shrinkage in accordance with AS/NZS 4201.3, Water barrier in accordance with AS/NZS 4201.4 and pH of extract in accordance with AS/NZS 1301.421.

Other Investigations

16.1 A durability opinion was given by BRANZ technical experts.

16.2 Site inspections were carried out by BRANZ to assess methods used for the installation of Tekton® Building Wrap, and to examine completed installations.

16.3 The marketer's Technical Literature, including installation instructions, have been examined by BRANZ and found to be satisfactory.

Quality

17.1 The manufacture of Tekton® Building Wrap has not been examined by BRANZ, but details of the methods adopted for quality control and the quality of the materials used, have been obtained.

17.2 The quality of supply to the market is the responsibility of Marshall Waterproofing NZ/AUS Ltd.

17.3 Building designers are responsible for the design of the building, and for the incorporation of the wall wrap into their design in accordance with the instructions of Marshall Waterproofing NZ/AUS Ltd.

17.4 Quality of installation is the responsibility of the installer in accordance with the instructions of Marshall Waterproofing NZ/AUS Ltd.

Sources of Information

AS 1530.2 - 1993 Test for flammability of materials.

 AS/NZS 1301.421s: 1988 Determination of the pH value of aqueous extracts of paper, board and pulp - cold extraction method.

AS/NZS 4200.1: 1994 Pliable building membranes and underlays - materials.

AS/NZS 4201.1: 1994 Pliable building membranes and underlays - Methods of test

 Resistance to dry delamination.

AS/NZS 4201.2: 1994 Pliable building membranes and underlays - Methods of test

 Resistance to wet delamination.

 AS/NZS 4201.3: 1994 Pliable building membranes and underlays - Methods of test - Shrinkage.

AS/NZS 4201.4: 1994 Pliable building membranes and underlays - Methods of test

 Resistance to water penetration.

 AS/NZS 4201.6: 1994 Pliable building membranes and underlays - Methods of test – Surface water absorbency.

NZS 2295: 2006 Pliable, Permeable Building Underlays.

NZS 3604: 1999 Timber Framed Buildings.

 Compliance Document for the New Zealand Building Code External Moisture Clause E2, Department of Building and Housing, Third Edition July 2005.

 New Zealand Building Code Handbook and Approved Documents, Building Industry Authority, 1992.

The Building Regulations 1992, up to, and including June 2007 Amendment.



in the opinion of BRANZ, Tekton® Building Wrap is fit for purpose and will comply with the Building Code to the extent specified in this Appraisal provided it is used, designed, installed and maintained as set out in this Appraisal.

The Appraisal is issued only to Marshall Waterproofing NZ/AUS Ltd, and is valid until further notice, subject to the Conditions of Appraisal.

Conditions of Appraisal

L. This Appraisal:

- all relates only to the product as described herein;
- b) must be read, considered and used in full together with the technical literature;
- does not address any Legislation, Regulations, Codes or Standards, not specifically samed herein;

c) is copyright of BRANZ.

- 2. Marshall Wateproofing NZ/AUS Ltd:
- a) continues to have the product reviewed by BRANZ;
- shall nearly BRANZ of any changes in product specification or quality assurance measures prior to the product being marketed;
- abides by the BRANZ Appraisals Services Terms and Conditions.
- Warrants that the product and the manufacturing process for the product are maintained at or above the standards, levels and quality assessed and found satisfactory by BRANZ pursuant to BRANZ's Appraisal of the product.
- BRANZ makes no representation or warrantly as to:
- a) the nature of individual examples of, batches of, or individual installations of the product, including methods and workmanship;
- the presence or absence of any patent or similar rights subsisting in the product or any other product;
- any guarantee or warranty offered by Marshall Waterproofing NZ/AUS Ltd.
- Any reference in this Appraisal to any other publication shall be read as a reference to the version of the publication specified in this Appraisal.
- BRANZ provides no certification, guarantee, indemnity or warranty, to Marshall Wateproofing NZ/AUS Ltd or any tried pady.

For BRANZ

P Robertson Chief Executive

Date of issue: 27 July 2007

Memorandum from licensed building practitioner: Certificate of design work

Section 45 and section 30C, Building Act 2004

Please fill in the form as fully and correctly as possible.

If there is insufficient room on the form for requested details, please continue on another sheet and attach the additional sheet(s) to this form.

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4/4/2017

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Huilding Work) On Synthetic Special Control of the Weivers or modifications	Ison I plans s of the Building Code are required.	○ Yes ○ No	
	the waivers or modulications below T	·	· ·
Clause List relevant clause numbers of building code	Writver/modification required Specify nature of waver or modification	O, Franchis Actor in the last	_
-			

Name Sitt (Asset (2))	LBP or Registration number: 111 33 S
The precitition of leta. O'Dosign UBP C R	lagistered architect. () Chartered professional engineer
Design Entity or Company (optional)	<u> </u>
Mailing address of officered from below):	<u> </u>
Street address/Registered office:	
Suburb:	Town/City. PARAPARKULL
PO Box/Private Bag: 65	Posicode.
Phone number: 251 61 2-40 6	Mobile:
After hours:	fax:
Email address:	Website:
DECLARATION	
1 BRE FORMUS	LBP, state that I have applied the xkill and care
	rolessional in carrying out or supervising the Rostnoted and that the RBVV.
Complies with the building code, or	
 Complies with the building code subject recorded on this form 	If to any waiver or modification of the building code



COMPUTER FREEHOLD REGISTER UNDER LAND TRANSFER ACT 1952



Historical Search Copy

Identifier

WN49C/746

Land Registration District Wellington

Date Issued

21 January 1997

Prior References WN29D/830

Estate

Fee Simple

Area

653 square metres more or less

Legal Description Lot 4 Deposited Plan 83038

Original Proprietors

Leslie Francis McCarthy and Julie Pamela McCarthy

Interests

Subject to Section 206 Land Act 1924

B556873.2 Consent Notice pursuant to Section 221 Resource Management Act 1991 - 21.1.1997 at 3.15 pm

Fencing Covenant in Transfer B697503.1 - 9.12.1998 at 10.35 am

Land Covenant in Transfer B697503.1 - 9.12.1998 at 10.35 am

B826666.1 Mortgage to PSIS Limited - 19.3.2001 at 9.24 am

B833566.1 Variation of Mortgage B826666.1 - 8.5.2001 at 9.32 am

7160532.1 Discharge of Mortgage B826666.1 - 13.12.2006 at 9:00 am

7160532.2 Transfer to Trevor John Hildreth and Raewyn Anne Hildreth - 13.12.2006 at 9:00 am

7160532.3 Mortgage to Mortgage Holding Trust Company Limited - 13.12.2006 at 9:00 am

9654411.1 Discharge of Mortgage 7160532.3 - 14.3.2014 at 12:07 pm

9654411.2 Transfer to Myles David Buckland-Jones and Kay Buckland-Jones - 14.3.2014 at 12:07 pm

9654411.3 Mortgage to Bank of New Zealand - 14.3.2014 at 12:07 pm

References: Prior C/F 29D/830 Document No. B.556873.4



REGISTER

CERTIFICATE OF TITLE UNDER LAND TRANSFER ACT

This Certificate dated the 21st day of January one thousand nine handred and nine ty-seven under the seal of the District Land Registrar of the Land Registration District of Wellington
WITNESSETH that ENTWELL ESTATES LIMITED at Auckland

is seised of an estate in fee-simple (subject to such reservations, restrictions, encumbrances, bens, and interests as are notified by memorial underwritten or endorsed hereon) in the land hereinafter described, delineated with bold black lines on the plan hereon, be the several admeasurements a little more or less, that is to say: All that parcel of land containing 653 square metres more or less situate in the District of Kapiti Coast being Lot 4 on Deposited Plan 83038

Subject to the same restrictions as were imposed in the case of Leases by Section 206 Lend Act 1924

B556B73.2 Consent Notice pursuant to Section 221 Resource Management Act 1991 - 21.1.1997 at 3.15 p.m. M.

B697503.1 Transfer to Corniche Properties Limited

Land Covenant in Transfer B697503.1

Fencing Covenant in Transfer B697503.1

B697503.2 Mortgage tarent of New Zealand all 9.12,1998 at 16.38 PO To DLR

B722418.2 Transfer to Leslie Francis McCarthy and Julie Pamela McCarthy 18.05.1999 at 10.06

BB26666.1 Mortyage to PSIS Limited 19.1.2001 at 9.24.

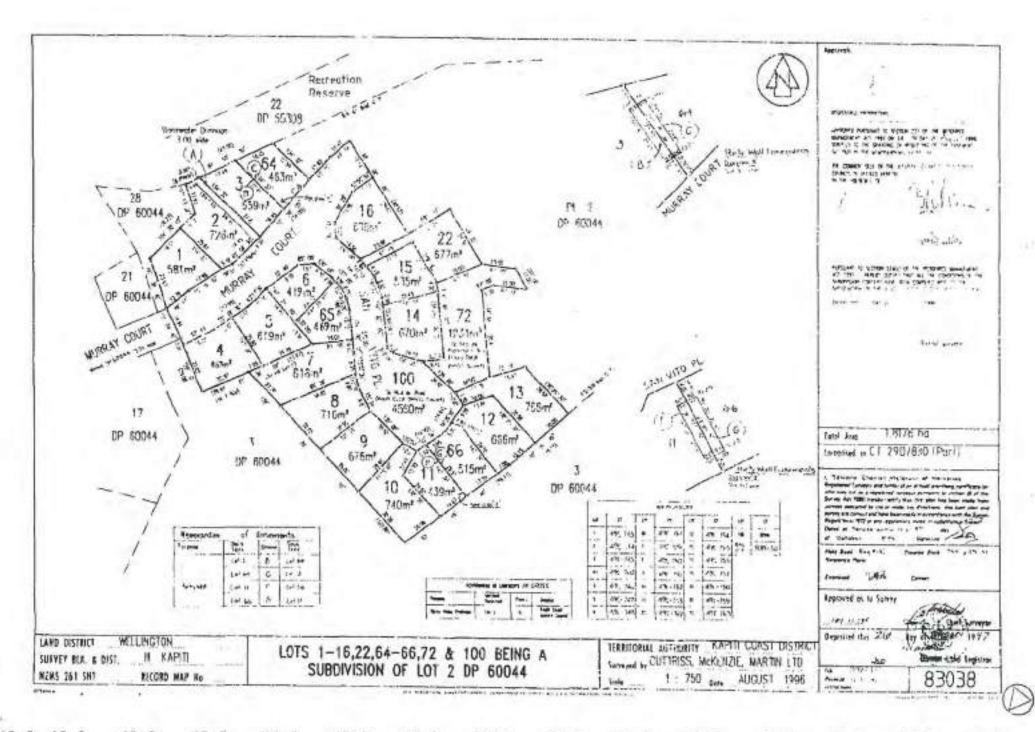
For RCL

Assistant Land Registrar

B833566.1 Variation of Mortgage B826666.1 8.5.2001 at 9.32

for RGL

446/746



111 -

117 -

CHECKSHEET: SINGLE RESIDENTIAL DWELLING AND ACCESSORY BUILDING



Including single stand-alone dwellings, dwelling additions and/or alterations, re-piling, garages, decks, gazebos, sheds, retaining walls etc.

Kapiti Coast District Council, 175 Rimu Road, Paraparaumu 5032 Private Bag 60601, Paraparaumu 5254 For enquiries, phone 04 296 4700

Address of Project:	

This checksheet shows you the information that has to be supplied with your building consent application. Please attach 2 copies of the following information (unless otherwise specified) with your completed Building Consent Application Form.

Please tick relevant box in the Customer Use column as you attach the Information. If the box is not relevant to your application, write NA across the box. Please check each section carefully and complete those sections that are relevant to your project.

Once you have attached all the required information, please check for completeness as an incomplete application or lack of any supporting information will mean that your application cannot be accepted for processing.

An Application Form is attached to this checksheet — Please include this checksheet with your application.

Customer Use	1	GENERAL Complete this section for all applications	For Office Use Only
Ø	a	Building Consent Application Form (1 copy) Completed and signed by the owner or by an agent on behalf of the owner	Ø
	b	Proof of Ownership (1 copy) One recent copy of current certificates/s of title (not older than 3 months) AND where applicable one copy of purchase agreement (if recently purchased) or one copy of relevant portions of current lease.	
Ø	С	Locality Plan (1:500) showing: Physical location of the subject building in relation to streets or landmarks, north point, name of building and lot and DP number.	Ø
	d	Restricted Building Work Does the application involved restricted building work? Yes No If Yes, provide certificate(s) of design work and advise Council of your Licensed Building Practitioner(s) as per the Advise of Licensed Building Practitioners Guidance sheet.	Ø
	е	Inspections and Monitoring Details of proposed inspection regime including monitoring by council officers and other professionals e.g. architects, engineers, surveyors and certification to be supplied on completion.	Ø
Ø	f	Site Plan (1:100) showing: Dimensions of all boundaries, north point, finished floor levels, site area, street name and number, lot and DP number, outline of building, distance to boundaries and the position of swimming or spa pools, ground contours (extended to boundaries) and/or levels and designated wind zone of the site (e.g. specific design, very high, high, medium or low). In addition, if a site is identified as being subject to flooding, ponding, on an overflow path, river or stream corridor, or other natural hazards, indicate on plans proposed design will mitigate natural or created hazards. Additional information is available on these sites by request from Kapiti Coast District Council.	4
	g	Application Fee Applications will not be accepted without payment of the appropriate fees. Fees payable are set out in the published fee schedule of the council that has jurisdiction over the project site.	Ø
For Office I Give reason		Only: Building Consent Officer: Application Accepted? Yes No Date: / 3 / 7 Signature: W. C. C.	

MESTA VI	2	CHANGE OF USE	No. of Street
Complete fo	rale	existing buildings where the proposal involves forming a household unit where one did not exist before conversion of a garage or shed into a residential unit	Example: the
	а	Assessment of the Building for Compliance with the Building Code Section 115(a) of the Building Act 2004 requires that the building, in its new use, complies fully with all clauses of the Building Code.	0
	ь	Reasonably Practicable The above assessment must relate to all building code clauses. If the proposal is for the project to meet anything less than full compliance with any clauses, your application must clearly state your reasoning, with supporting documentation, and show how you will meet the highest level of compliance that can be considered reasonably practicable.	0
	3	FOUNDATIONS / FLOOR Complete for all new buildings, for existing buildings where the footprint of the building will change or where an additional storey is being added	
	8	Foundation Plan (1:100 / 1:50) showing: Dimensions of all new foundations Sub-floor, including bracing Footing details If a concrete stab, show basic details including reinforcing and contractions joints Piles and footing If the addition is an upper storey show details on upgrading existing foundations, joints, piles etc. Indicate ventilation to sub floor spaces	
	b	Subfloor Bracing Provide subfloor bracing plan and calculations for all piled structures. Where the structure is specifically engineered, this should be included with the structural calculations. Subfloor bracing plan and calculations are required where an additional storey is to be added	0
	4	CONSTRUCTION Complete for all new structures or alterations to existing structures	100
6	а	Existing Floor Plan (1:100 / 1:50) showing: (For additions and alterations only) All levels All designated spaces All removals Sanitary fixtures Smoke detectors	8
Ø	b	Proposed Floor Plans (1:100 / 1:50) showing: Room dimensions Location of partitions All designated spaces All floors (new or altered) Location of sanitary fixtures Stairs, barriers, handrails, floor joists and beams Floor joist layout for each level with timber floors Smoke detectors Note where wall will form part of the swimming pool fence	Ø
o/	С	Pre-nail Truss and Frames Specific design wall framing requires clarification Truss layout must be supported by design certification and design of fixing details, including consideration of load paths to ground Lintels carrying point loads, such as from girder trusses, require specific engineering design	•

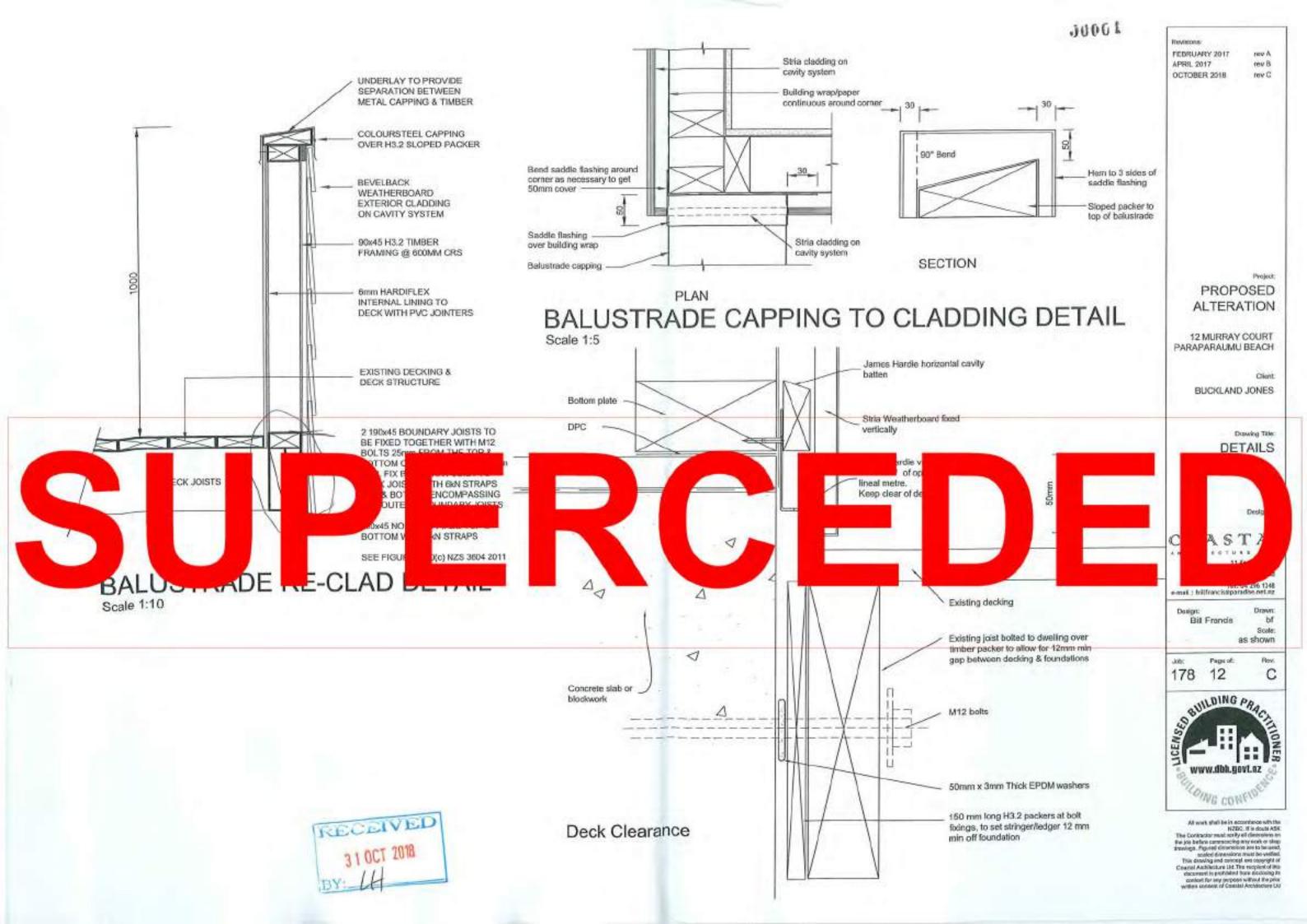
0	d	Wall Bracing Plan (1:100 / 1:50) showing: Bracing details and calculations for wall bracing (also required for existing lower storeys where an additional storey is being added) Sub-floor bracing for decks projecting more than 2m from the house Location, type and number of bracing elements to indicate compliance with NZS 3604:2011 (include calculations) If the bracing was specifically designed by a structural engineer, provide calculations (required for specific design wind zones and lateral distribution of upper floor loads where lower storey bracing is provided in walls beyond the upper storey footprint)	May
6	e	Sections and Details (1:50 / 1:20 / 1:10) showing: Foundation details involving reinforcing and connections Stairs, handrails, decks and decking Insulation systems and materials to floors, walls and roof Barriers providing safety from falling. Specific engineering design required where detail does not comply with NZBC B1/AS2 Framing sizes, beams, lintels Roof cladding, eaves, fascias, gutters Flashings to openings Fire rated systems on all walls – closer than 1 metre to boundary Stud heights of rooms and total height from lowest ground floor level to top of ridge Window and door installation details Retaining wall details e.g. type, height of retained ground, relationship to boundary, waterproof membrane and proposed drainage	
	t	Fire Report For domestic dwellings of 4 storeys or more, or buildings providing more than one household unit	NA
3/11	5	EXTERNAL	
-		Complete for new buildings or existing buildings with alternations to the external shell	
D	8	Elevations (1:100 / 1:50) showing: Accurate lines from boundary to boundary on each elevation, relevant District Plan daylight control lines, the maximum height on each elevation, location of door and window openings, fixed and opening sashes, sill heights, floor levels in relation to ground levels, exterior cladding nominated to all elevations, down pipes and spouting, ventilators to sub-floor area (suspended floors only)	
Ø	ь	Risk Assessment (Risk matrix in E2/AS1 may be used for buildings within scope) Consider exposure, design and detailing to support appropriate selection of cladding	d
	C	Cladding Details (1:50 / 1:20 / 1:10) Provide details around all penetrations, joinery and other junctions at a level appropriate to the level of risk e.g. root/wall, balcony/wall, junction of different types of cladding, back flashing details for cavity systems	6
	d	Production Certification	7
-	- 00	Supply copies of product certificates relied on as compliance documents	90
	ė	Alternative Solutions If the proposal uses products or systems that are not covered in the Acceptable Solutions of clause E2 of the Building Code provide supporting current information including test results (fully signed reports), case studies, expert opinion (including evidence of experience/qualification, basis for forming opinion and statement of independence) etc to demonstrate compliance	MA
	6	SERVICES Complete for all projects with conjugate lightness or alteration of alteration or decisions and decisions.	
	8	Complete for all projects with new installations or alteration of plumbing or drainage services Plumbing and Drainage Plan 1:100 / 1:50) showing: Note: If you have supplied drainage details	
	2	for surface water disposal on the site plan, no drainage plan is required. Sizes of pipe work and drains Fixtures and fittings, hot water system(s) If the building is more than one storey with sanitary fittings on upper floors, provide an isometric layout showing wastes, pipes and falls Drainage layout with inspection bends and junctions indicated for both sewer and stormwater Anyother drainage on site including council mains and retaining wall field drains Ventilation of sanitary rooms Calculations for sizing of down pipes Gully traps including overflow relief gullies	

数量数	7	STRUCTURAL Complete for all projects incorporating specific structural design	
	а	Structural Calculations If any design work required the services of a structural engineer, attach 2 copies of the calculations with this. The calculations must be prefaced with information explaining the design philosophy and justification of assumptions and methodologies used in analysis	+
	b	Expert Opinion (Producer Statements) If this application for consent relies on any expert opinion including Producer Statements certifying compliance with the New Zealand Building Code, a copy must be attached with this application. (Note all structural Producer Statements are required to have accompanying calculations.)	NA
	8	SPECIFICATIONS Complete for all applications Note: the specification must be specific to the project and cover all aspects of the proposed work	
	а	Specification: General Elements of structure (size, spacing, timber treatment) Finish or fixings to meet durability requirements Plumbing and drainage materials and design that installation is to comply with Wet area surfaces Ventilation systems Flooring slip resistance for access routes Glazing Type of smoke detectors (including existing smoke detectors where they will remain)	N∯Y
	b	External Claddings For each of the following claddings provide details of the product name, manufacturer, maintenance requirements and warranties offered Building wraps Wall claddings Roof claddings Membranes (roof and decks) Tanking Joinery	IJ.
	9	DEMOLITION / REMOVAL Complete for all projects involving demolition of significant parts of buildings or the demolition or removal of whole buildings	
	8	Means of Barricading the Site Provide details of temporary barriers, gates which swing inwards or other means of restricting public access to the area	P
	b	Proposed Tipping Location for Demolition Materials (address/landfill)	
	С	Hazardous Building Material Provide safety plan detailing the safe handling and disposal of hazardous materials	F
	d	Site Management Plan Covering Management to control silt runoff, noise and dust	þ
	0	Proposed Destination for Relocate Building	
	1	Access To and From the Site (including use of kerb crossings)	NA
	g	Specify Termination of Existing Services Water Sewer Stormwater	

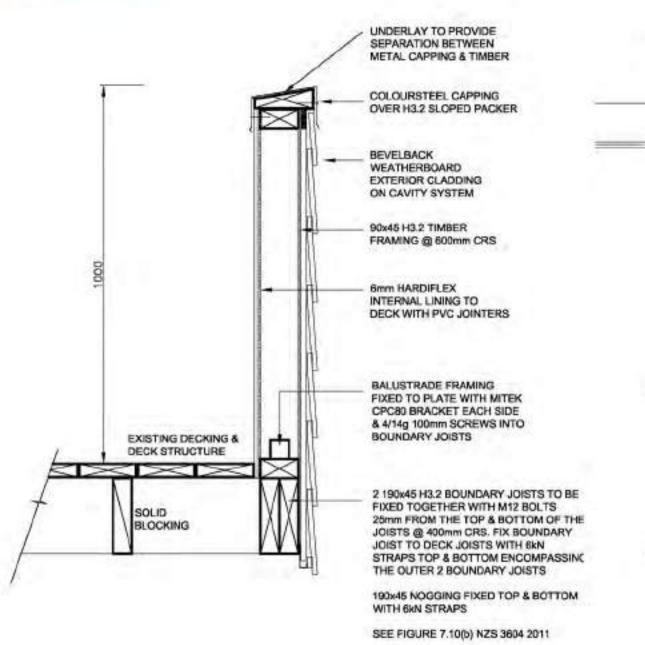
	h	Details About the Building such as: Number of storeys, type of materials the building is constructed (Photographs of the building would be useful)	
--	---	---	--

	Note: You will need to contact the relevant service authorities specified below to advise them of the extent of your work: electricity, gas, drainage, water, transport, telecommunications, cable television, or any other services that may be affected. Transportation of Relocated Building You will be required to contact and provide details to Councils Transportation and Treffic Department.	
10		10
	Please check Territorial Authority regarding the requirement for other approvals required and fees payable. These may include: Consents under the Resource Management Act Approvals under bylaws including earthworks, vehicle crossings, road openings and water connections. Show the location of swimming or spa pools on the property and describe how compliance with the Fencing of Swimming Pools Act will be achieved.	

The issue of a building consent does not relieve the owner of any duty or responsibility under any other Act.



Amended plan BC 170119 A Further Information Received 26/11/2018



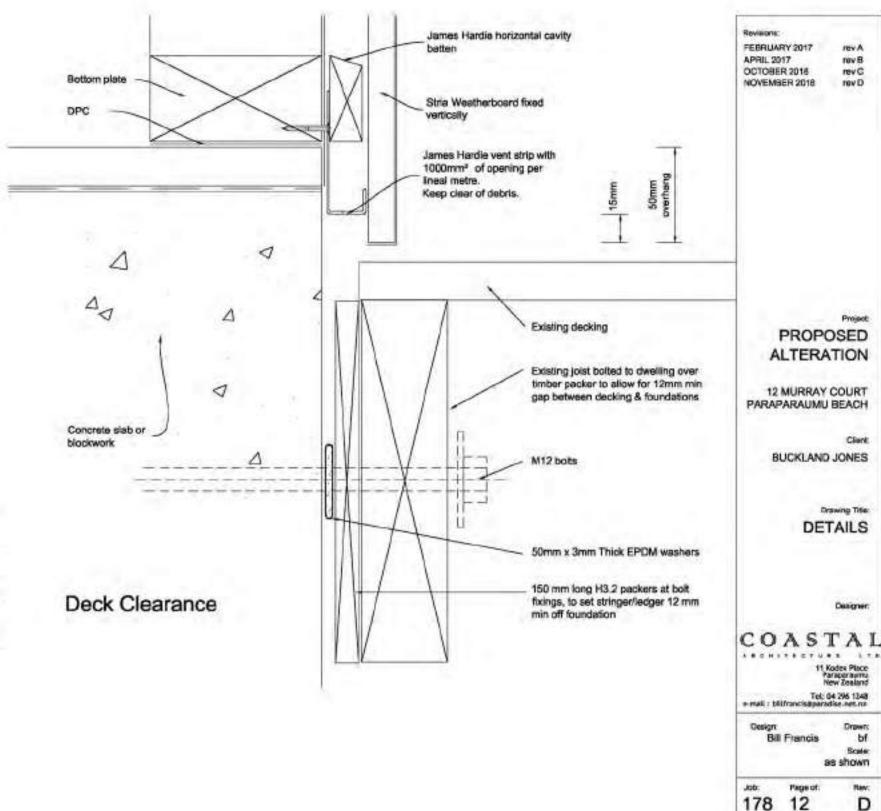
BALUSTRADE RE-CLAD DETAIL

Scale 1:10

ALL DECK TIMBER H3.2 TREATED MIN TIMBER CONTACTING GROUND H5 TREATED MIN ALL EXPOSED METAL FIXINGS TO BE STAINLESS STEEL

NOTE:

DECK BALUSTRADE TO FINISH 50mm CLEAR OF DWELLING



All work shall be in accordance with the NZEC If in deute ASM The Contector must verify all dimensions on The Contextor must setly at Development of the job before commencing any work or shot deserting. Figured disvensions are to be used, equal disversions exist to written the dispersion of the dispersion of concept are copyright of Costessia Anthestone Ltd. The subject of the Society of the Costessia Anthestone Ltd. The subject of the prohibited from disclosing its contest for any outcome within about the prior written above the costessia Anthestone Ltd.

KONNE CONFIG

WILDING PA

rev A

rev B

rev C

Clark.

bf Scale

D

Consent No: **170119**Applicant: **Bill Francis**

Site Address: 12 Murray Court, Paraparaumu
Work Type: Reroof & reclad existing dwelling

Inspection Type: Final Inspection

Inspection Outcome: Fail

Inspected By: Alan Tinney

Inspection Date: 11 December 2018 2:31 p.m.

Duration: 30 minutes

Inspection Element	Status
Exterior	Fail
All previous inspections/notes passed	Fail
Drawings	Fail
Additional information/plan	Fail
Sub-floor ventilation	N/A
Roof fixings	Pass
Spouting and down-pipes	Pass
Deck structure	Fail
Flashings - roof	Pass
Penetrations - flashings	Pass
Barriers	N/A
Gully dishes	Pass
Stormwater and site drainage	Pass
Handrails	N/A
Wastes to gully	Pass
Fixings - durability	Pass
Steps/stairs	N/A
Terminal vents/AAVs	Pass
Cladding painted/sealed	Pass
Flashings - windows/doors	Pass
Cladding ground clearance	Pass
Final check complete	Fail
Other	N/A
Interior	Fail
All previous inspections/notes passed	Fail
Drawings	Fail
Additional information/plan	Fail
Service areas-floors/walls	N/A
Stair design	N/A
Handrails	N/A
Balustrades	N/A
Lightings	N/A
Laundering	N/A
Cooking facilities	N/A
Smoke detectors	Pass
Food storage/preparation	N/A

Ventilation	N/A
Insulation and clearance	Pass
HWC flues	N/A
HWC restraint	N/A
Tempering valve	N/A
Glazing - human impact	N/A
Hot water temp	N/A
Solid fuel heater	N/A
Water supply tank	N/A
Trap seals and AAVS	N/A
Cistern flushing	N/A
WC pan connection	N/A
Septic tank	N/A
Window labels	Pass
Final check complete	Fail
Other	N/A
Intertenancy/commercial	N/A
Other	N/A

Support Documentation

Application for CCC Required Electrical safety certificate Required



Taken at 2:23 PM on Tuesday 11/12/2018



Taken at 2:23 PM on Tuesday 11/12/2018



Taken at 2:23 PM on Tuesday 11/12/2018



Taken at 2:24 PM on Tuesday 11/12/2018



Taken at 2:24 PM on Tuesday 11/12/2018



Taken at 2:25 PM on Tuesday 11/12/2018



Taken at 2:25 PM on Tuesday 11/12/2018



Taken at 2:25 PM on Tuesday 11/12/2018



Taken at 2:26 PM on Tuesday 11/12/2018



Taken at 2:26 PM on Tuesday 11/12/2018



Taken at 2:26 PM on Tuesday 11/12/2018



Taken at 2:27 PM on Tuesday 11/12/2018



Taken at 2:27 PM on Tuesday 11/12/2018



Taken at 2:27 PM on Tuesday 11/12/2018

Consent No: **170119**Applicant: **Bill Francis**

Site Address: 12 Murray Court, Paraparaumu
Work Type: Reroof & reclad existing dwelling

Inspection Type: Final Inspection

Inspection Outcome: Fail

Inspected By: Gareth McCullagh

Inspection Date: 15 January 2019 11:19 a.m.

Duration: 30 minutes

Inspection Element Status

Exterior Fail

All previous inspections/notes passed Pass

All passed items on this inspection have been assessed against the consented documentation.

Drawings Pass

Additional information/plan Pass

Supplied and approved

Deck structure Pass

Final check complete Fail

Roof structure changed didn't install new trusses repitched existing need updated drawings discussed with builder on phone also he confirmed that kcdc inspector did inspect and also recieved pictures?

Interior Pass

All previous inspections/notes passed Pass

Drawings

Additional information/plan Pass

Provided and approved

Final check complete Pass

All aspects relating to this inspection have been assessed and checked against the consented documentation and deemed to comply.

Support Documentation

Application for CCC

Electrical safety certificate

As-built drainage plan

Clear

if the storm water drain has been altered

Drainage (Form 126) for stormwater installation Clear

if the storm water drain has been altered

Record of Work Accepted

Not installed re pitched existing trusses need updated drawing

Roof installers warranty

Clear

Window manufacturers producer statement

Accepted

Building Practitioners

Carpentry 1 Accepted



Kapiti Coast District Council 175 Rimu Road Private Bag 60601 Paraparaumu 5254 Phone (04) 296 4700

SITE NOTICE

Consent No: 170119

Applicant: Bill Francis

Site Address: 12 Murray Court, Paraparaumu
Work Type: Reroof & reclad existing dwelling

Building Category: R2

Inspection Type: Final Inspection

Inspection Outcome: Fail

Inspected By: Alan Tinney

Inspection Date: 11 December 2018

Passed Items

Exterior

Roof fixings

Spouting and down-pipes

Flashings - roof

Penetrations - flashings

Gully dishes

Stormwater and site drainage

Wastes to gully

Fixings - durability

Terminal vents/AAVs

Cladding painted/sealed

Flashings - windows/doors

Cladding ground clearance

Interior

Smoke detectors

Insulation and clearance

Window labels

Failed Items

Exterior

All previous inspections/notes passed

Drawings

Additional information/plan

Deck structure

Final check complete

Interior

All previous inspections/notes passed

Drawings

Additional information/plan

Final check complete

Support Documentation	Status
Application for CCC	Required
Electrical safety certificate	Required
As-built drainage plan if the storm water drain has been altered	Required
Drainage (Form 126) for stormwater installation if the storm water drain has been altered	Required
Timber framing and truss certification	Required
Roof product manufacturers warranty	Required
Record of Work	Required
Roof installers warranty	Required
Window manufacturers producer statement	Received
Licensed Building Practitioners	Status

Consent No: **170119**Applicant: **Bill Francis**

Site Address: 12 Murray Court, Paraparaumu
Work Type: Reroof & reclad existing dwelling

Inspection Type: Final Inspection

Inspection Outcome: Pass

Inspected By: Gareth McCullagh

Inspection Date: 30 January 2019 9:49 a.m.

Duration: 15 minutes

Inspection ElementStatusExteriorPassFinal check completePass

Roof structure changed photos supplied and accepted on prewrap inspection



Kapiti Coast District Council 175 Rimu Road Private Bag 60601 Paraparaumu 5254 Phone (04) 296 4700

SITE NOTICE

Consent No: 170119
Applicant: Bill Francis

Site Address: 12 Murray Court, Paraparaumu
Work Type: Reroof & reclad existing dwelling

Building Category: R2

Inspection Type: Final Inspection

Inspection Outcome: Pass

Inspected By: Gareth McCullagh
Inspection Date: 30 January 2019

Passed Items

Exterior

Final check complete Roof structure changed photos supplied and accepted

on prewrap inspection

Support Documentation

Application for CCC

Roof product manufacturers warranty

Record of Work

Not installed re pitched existing trusses need updated drawing

Window manufacturers producer statement Accepted
Other (specify) Accepted

photos of repitched existing roof photos sent to inspector on prewrap -preclad and accepted

Building Practitioners

Carpentry 1

Roofing 1

Status

Accepted

Received



Kapiti Coast District Council 175 Rimu Road Private Bag 60601 Paraparaumu 5254 Phone (04) 296 4700

SITE NOTICE

170119 Consent No: Applicant: **Bill Francis**

12 Murray Court, Paraparaumu Site Address:

Work Type: Reroof & reclad existing dwelling

Building Category: R2

Inspection Type: **Preline Building**

Inspection Outcome: **Pass**

Inspected By: **Gareth McCullagh** Inspection Date: 15 January 2019

Passed Items

General

bed 1 /4 Sighted previous inspection notes

Conforms with approved drawings Amendment provided and approved

Confirm additional information/amended plan

Final Inspection Inspection Type:

Inspection Outcome: Fail

Inspected By: **Gareth McCullagh** Inspection Date: 15 January 2019

Passed Items

Exterior

All passed items on this inspection have been All previous inspections/notes passed

assessed against the consented documentation.

Drawings

Supplied and approved Additional information/plan

Deck structure

Interior

All previous inspections/notes passed

Drawings

Additional information/plan Provided and approved

Final check complete All aspects relating to this inspection have been

assessed and checked against the consented

documentation and deemed to comply.

Failed Items

Exterior

Final check complete Roof structure changed didn't install new trusses

repitched existing need updated drawings discussed with builder on phone also he confirmed that kcdc inspector did inspect and also recieved pictures?

Support Documentation Status Application for CCC

Record of Work

Not installed re pitched existing trusses need updated drawing
Window manufacturers producer statement

Accepted
Timber framing and truss certification

Required
Roof product manufacturers warranty

Required

Building PractitionersStatusCarpentry 1AcceptedRoofing 1Received

Consent No: **170119**Applicant: **Bill Francis**

Site Address: 12 Murray Court, Paraparaumu
Work Type: Reroof & reclad existing dwelling

Inspection Type: Postline / Wet area Pre Application

Inspection Outcome: Pass

Inspected By: Alan Tinney

Inspection Date: 1 June 2018 2:32 p.m.

Duration: 15 minutes

	Status Pass
Sighted previous inspection notes Bed 1&4	Pass
Conforms with approved drawings	Pass
Confirm additional information/amended plan	Pass
Sheet bracing as required	Pass
Sheet fixings as required	Pass
Fire/acoustic separation	N/A
Other	N/A
Wet area substrate system	N/A
LBP number	N/A



Taken at 2:31 PM on Friday 1/06/2018

Consent No: **170119**Applicant: **Bill Francis**

Site Address: 12 Murray Court, Paraparaumu
Work Type: Reroof & reclad existing dwelling

Inspection Type: Pre Clad Inspection Outcome: Fail

Inspected By: Jeremy Lincoln

Inspection Date: 23 March 2018 11:13 a.m.

Duration: 30 minutes

Inspection Element	Status
General	Fail
changes to roof framing only	
Inspection notes	N/A
Drawings not as per consent, partial roof reframing to form gable eaves hip and valley. Replacement trusses not happenng	Fail
Additional information/plan amendment required for changes to consent amendment should be granted before proceeding	Fail
Building wrap type	N/A
Flexible seling tape	N/A
Deck membrane fixed in accordance with specification	N/A
Head flashings	N/A
Sill flashings	N/A
Back flashings	N/A
Saddle flashings	N/A
Internal/external corner flashings	N/A
Jamb flashings	N/A
Capillary clearances	N/A
Flashing penetrations	N/A
Ground/Deck Cladding Clearance	N/A
Additional strapping to wrap	N/A
Batten timber treatment	N/A
Cavity closers	N/A
Battens in place	N/A
Battens structural fixing	N/A
Cavity spacers	N/A
Cavity spacers size and slope	N/A
LBP number carl van dee meer	N/A
Other	N/A



Taken at 10:52 AM on Friday 23/03/2018





Taken at 11:10 AM on Friday 23/03/2018

Consent No: **170119**Applicant: **Bill Francis**

Site Address: 12 Murray Court, Paraparaumu
Work Type: Reroof & reclad existing dwelling

Inspection Type: **Pre Clad** Inspection Outcome: **Fail**

Inspected By: Jeremy Lincoln

Inspection Date: 30 April 2018 4:12 p.m.

Duration: 30 minutes

Inspection Element Status

General Fail

kitchen/family west face only

Building wrap type Pass

tekton

Flexible seling tape Pass

in place

Head flashings Fail

Head flashing's not yet installed. Reinspection required

Internal/external corner flashings Fail

not fitted yet

Batten timber treatment Pass

h3.1

Cavity closers Fail

not fitted

flashing behind to fit over blockwork

Battens in place Pass
Cavity spacers size and slope Pass

callastinated

Other

reinspection required

Consent No: **170119**Applicant: **Bill Francis**

Site Address: 12 Murray Court, Paraparaumu
Work Type: Reroof & reclad existing dwelling

Inspection Type: **Pre Clad** Inspection Outcome: **Fail**

Inspected By: Craig Watson

Inspection Date: 24 May 2018 2:41 p.m.

Duration: 45 minutes

Inspection Element Status

General Fail

South elevations

Building wrap type Pass

tekton.

Flexible seling tape Pass

Aliband.

Head flashings Pass

All in place.

Back flashings Pass

Dyna flash

Internal/external corner flashings Pass

All fitted.

Batten timber treatment Pass

h3.1 Castilated battens.

Cavity closers Pass



Taken at 2:36 PM on Thursday 24/05/2018

Consent No: **170119**Applicant: **Bill Francis**

Site Address: 12 Murray Court, Paraparaumu
Work Type: Reroof & reclad existing dwelling

Inspection Type: Pre Clad Inspection Outcome: Fail

Inspected By: Alan Tinney

Inspection Date: 1 June 2018 2:26 p.m.

Duration: 30 minutes

Other

Inspection Element	Status
General	Fail
NE walls	
Inspection notes N E walls	Fail
Drawings	Fail
Additional information/plan	Fail
Building wrap type tekton	Pass
Flexible seling tape aluband	Pass
Deck membrane fixed in accordance with specification	N/A
Head flashings installed with caps	Pass
Sill flashings	N/A
Back flashings	N/A
Saddle flashings	N/A
Internal/external corner flashings pvc	Pass
Jamb flashings	N/A
Capillary clearances	N/A
Flashing penetrations	Pass
Ground/Deck Cladding Clearance	Pass
Additional strapping to wrap	N/A
Batten timber treatment H3	Pass
Cavity closers	Pass
Battens in place	Pass
Battens structural fixing	N/A
Cavity spacers	N/A
Cavity spacers size and slope	Pass
LBP number	N/A

N/A



Taken at 2:24 PM on Friday 1/06/2018



Taken at 2:24 PM on Friday 1/06/2018



Taken at 2:25 PM on Friday 1/06/2018



Taken at 2:25 PM on Friday 1/06/2018



Taken at 2:25 PM on Friday 1/06/2018



SITE NOTICE

Consent No: 170119
Applicant: Bill Francis

Site Address: 12 Murray Court, Paraparaumu
Work Type: Reroof & reclad existing dwelling

Building Category: R2

Inspection Type: Pre Clad Inspection Outcome: Fail

Inspected By: Jeremy Lincoln
Inspection Date: 23 March 2018

Failed Items

Record of Work

Roof installers warranty

General changes to roof framing only

Drawings not as per consent, partial roof reframing to form

Required Required

gable eaves hip and valley.

Replacement trusses not happening

Additional information/plan amendment required for changes to consent

amendment should be granted before proceeding

Support Documentation As-built drainage plan if the storm water drain has been altered Drainage (Form 126) for stormwater installation if the storm water drain has been altered Timber framing and truss certification Required Roof product manufacturers warranty Required



SITE NOTICE

Consent No: 170119
Applicant: Bill Francis

Site Address: 12 Murray Court, Paraparaumu
Work Type: Reroof & reclad existing dwelling

Building Category: R2

Inspection Type: Pre Clad Inspection Outcome: Fail

Inspected By: Craig Watson
Inspection Date: 24 May 2018

Passed Items

General South elevations

Building wrap type tekton.

Flexible seling tape Aliband.

Head flashings All in place.

Back flashings Dyna flash

Internal/external corner flashings All fitted.

Batten timber treatment h3.1 Castilated battens.

Cavity closers

Failed Items

General South elevations

Support Documentation	Status
As-built drainage plan if the storm water drain has been altered	Required
Drainage (Form 126) for stormwater installation if the storm water drain has been altered	Required
Timber framing and truss certification	Required
Roof product manufacturers warranty	Required
Record of Work	Required
Roof installers warranty	Required

Consent No: **170119**Applicant: **Bill Francis**

Site Address: 12 Murray Court, Paraparaumu
Work Type: Reroof & reclad existing dwelling

Inspection Type: **Pre Clad** Inspection Outcome: **Pass**

Inspected By: Alan Tinney

Inspection Date: 18 June 2018 3:09 p.m.

Duration: 30 minutes

Inspection Element	Status
General	Pass
Inspection notes south	Pass
Drawings	Pass
Additional information/plan	Pass
Building wrap type tekton	Pass
Flexible seling tape aluband	Pass
Deck membrane fixed in accordance with specification	N/A
Head flashings	Pass
Sill flashings	N/A
Back flashings	N/A
Saddle flashings	N/A
Internal/external corner flashings pvc	Pass
Jamb flashings	N/A
Capillary clearances	N/A
Flashing penetrations	Pass
Ground/Deck Cladding Clearance	Pass
Additional strapping to wrap	N/A
Batten timber treatment H3	Pass
Cavity closers	Pass
Battens in place	Pass
Battens structural fixing	N/A
Cavity spacers	N/A
Cavity spacers size and slope	N/A
LBP number	N/A
Other	N/A



Taken at 3:08 PM on Monday 18/06/2018



Taken at 3:08 PM on Monday 18/06/2018



Taken at 3:08 PM on Monday 18/06/2018



Taken at 3:09 PM on Monday 18/06/2018



SITE NOTICE

Consent No: 170119

Applicant: Bill Francis

Site Address: 12 Murray Court, Paraparaumu
Work Type: Reroof & reclad existing dwelling

Building Category: R2

Inspection Type: Pre Clad
Inspection Outcome: Pass

Inspected By: Alan Tinney
Inspection Date: 18 June 2018

Passed Items

General

Inspection notes south

Drawings

Additional information/plan

Building wrap type tekton
Flexible seling tape aluband

Head flashings

Internal/external corner flashings pvc

Flashing penetrations

Ground/Deck Cladding Clearance

Batten timber treatment H3

Cavity closers
Battens in place

Support Documentation Status

As-built drainage plan Required

if the storm water drain has been altered

Drainage (Form 126) for stormwater installation Required

if the storm water drain has been altered

Timber framing and truss certification Required
Roof product manufacturers warranty Required
Record of Work Required
Roof installers warranty Required

Consent No: **170119**Applicant: **Bill Francis**

Site Address: 12 Murray Court, Paraparaumu
Work Type: Reroof & reclad existing dwelling

Inspection Type: Pre Wrap Inspection Outcome: Fail

Inspected By: Jeremy Lincoln

Inspection Date: 30 April 2018 4:05 p.m.

Duration: 30 minutes

Inspection Element

General
kitchen/family west face only
Inspection notes

Fail

Inspection notes Fail Drawings Fail

amendment required, no parts of work not included in existing consent to be enclosed until amendment issued

Additional information/plan Fail

amendment to follow. to include any reframing

Cladding type identified Pass stria oblique

Framing moisture meets cladding requirements N/A
Stud spacing appropriate for cladding Pass

du spacing appropiate for clauding

Exterior sheet bracing and angle brace fixing N/A

Bottom plate connections Fail

plate and bracket anchors can not be expanding type fixings into header blocks recheck required

Building wrap type Pass

marshal branz app 548

Bracing requirements N/A
Purlin fixing N/A
Decking substrate N/A
Top Plate Connection Fail

images to follow of connections

Lintel Connections Fail

images to follow of connections

Truss connections N/A
Column posts N/A
LBP number Pass

106221 carl

Other Fail

bottom plate south wall of room to be replaced. image in gallery

reframed areas to be included in amendment

interfloor joists ends to be exposed and inspected



Taken at 3:48 PM on Monday 30/04/2018



Taken at 3:48 PM on Monday 30/04/2018



Taken at 3:48 PM on Monday 30/04/2018



Taken at 3:56 PM on Monday 30/04/2018



bottom plate to be replaced Taken at 3:57 PM on Monday 30/04/2018



Taken at 4:01 PM on Monday 30/04/2018



Taken at 4:03 PM on Monday 30/04/2018

Consent No: **170119**Applicant: **Bill Francis**

Site Address: 12 Murray Court, Paraparaumu
Work Type: Reroof & reclad existing dwelling

Inspection Type: Pre Wrap Inspection Outcome: Pass

Inspected By: Alan Tinney

Inspection Date: 5 December 2018 2:10 p.m.

Duration: 30 minutes

Inspection Element	Status
General	Pass
Inspection notes deck front wall	Pass
Drawings	Pass
Additional information/plan	Pass
Cladding type identified	Pass
Framing moisture meets cladding requirements	Pass
Stud spacing appropiate for cladding 600mm	Pass
Exterior sheet bracing and angle brace fixing	N/A
Bottom plate connections CPC80	Pass
Building wrap type watergate	Pass
Roof Cross Bracing	N/A
Purlin fixing	N/A
Decking substrate	N/A
Top Plate Connection	Pass
Lintel Connections	N/A
Truss connections	N/A
Column posts	N/A
LBP number	N/A
Other	N/A



Taken at 2:09 PM on Wednesday 5/12/2018



Taken at 2:09 PM on Wednesday 5/12/2018



Taken at 2:09 PM on Wednesday 5/12/2018



SITE NOTICE

Consent No: **170119**

Applicant: Bill Francis

Site Address: 12 Murray Court, Paraparaumu
Work Type: Reroof & reclad existing dwelling

Building Category: R2

Inspection Type: Pre Wrap
Inspection Outcome: Pass

Inspected By: Alan Tinney

Inspection Date: 5 December 2018

Passed Items

General

Inspection notes deck front wall

Drawings

Additional information/plan Cladding type identified

Framing moisture meets cladding requirements

Stud spacing appropriate for cladding

Bottom plate connections

CPC80

Building wrap type

watergate

Top Plate Connection

Support Documentation Status

As-built drainage plan Required

if the storm water drain has been altered

Drainage (Form 126) for stormwater installation Required

if the storm water drain has been altered

Timber framing and truss certification Required
Roof product manufacturers warranty Required
Record of Work Required
Roof installers warranty Required



SITE NOTICE

Consent No: 170119
Applicant: Bill Francis

Site Address: 12 Murray Court, Paraparaumu
Work Type: Reroof & reclad existing dwelling

Building Category: R2

Inspection Type: Pre Wrap
Inspection Outcome: Fail

Inspected By: Jeremy Lincoln
Inspection Date: 30 April 2018

Passed Items

General kitchen/family west face only

Cladding type identified stria oblique

Stud spacing appropiate for cladding

400c

Building wrap type

marshal

branz app 548

LBP number 106221

carl

Failed Items

General kitchen/family west face only

Inspection notes

Drawings amendment required, no parts of work not included in

existing consent to be enclosed until amendment

issued

Additional information/plan amendment to follow. to include any reframing

Bottom plate connections plate and bracket anchors can not be expanding type

fixings into header blocks

recheck required

Top Plate Connection images to follow of connections
Lintel Connections images to follow of connections

Other bottom plate south wall of room to be replaced. image

in gallery

reframed areas to be included in amendment

interfloor joists ends to be exposed and inspected

Inspection Type: Pre Clad
Inspection Outcome: Fail

Inspected By: Jeremy Lincoln
Inspection Date: 30 April 2018

Passed Items

General kitchen/family west face only

Building wrap type tekton
Flexible seling tape in place
Batten timber treatment h3.1

Battens in place

Cavity spacers size and slope callastinated

Failed Items

General kitchen/family west face only

Head flashings Head flashing's not yet installed. Reinspection

required

Internal/external corner flashings not fitted yet
Cavity closers not fitted

flashing behind to fit over blockwork

Other reinspection required

Support Documentation	Status
As-built drainage plan if the storm water drain has been altered	Required
Drainage (Form 126) for stormwater installation if the storm water drain has been altered	Required
Timber framing and truss certification	Required
Roof product manufacturers warranty	Required
Record of Work	Required
Roof installers warranty	Required

Consent No: **170119**Applicant: **Bill Francis**

Site Address: 12 Murray Court, Paraparaumu
Work Type: Reroof & reclad existing dwelling

Inspection Type: Preline Building

Inspection Outcome: Fail

Inspected By: Craig Watson

Inspection Date: 17 May 2018 10:12 a.m.

Duration: 45 minutes

Inspection Element	Status
General	Fail
Sighted previous inspection notes Outstanding inspectons still to be addressed.	Fail
Conforms with approved drawings	Pass
Confirm additional information/amended plan	Pass
Max moisture content 13-18 %	Pass
Ventilation to rooms Window sizes and openings as per consented documentation	Pass
Timber treatment H1.2	Pass
Lintel/beam size and fixing	Pass
Insulation R2.4 wall	Pass
Top plate connection	Pass
Ceiling batten spacing	N/A
Stud spacing	Pass
Bracing connections BL brackets in place	Pass
Air seals	Pass
Bottom plate fixings	Pass
Is the building weathertight	Pass
Grade of timber framing	Pass
Framing cut outs	N/A
wet area substrate	N/A
insert or inbuilt fireplace	N/A
LBP number Brook	Pass
Other	N/A
Other	N/A

Consent No: **170119**Applicant: **Bill Francis**

Site Address: 12 Murray Court, Paraparaumu
Work Type: Reroof & reclad existing dwelling

Inspection Type: Preline Building

Inspection Outcome: Fail

Inspected By: Alan Tinney

Inspection Date: 1 June 2018 2:33 p.m.

Duration: 15 minutes

Inspection Element	Status
General	Fail
Sighted previous inspection notes bed 1 /4	Fail
Conforms with approved drawings	Fail
Confirm additional information/amended plan	Fail
Max moisture content 16%	Pass
Ventilation to rooms Window sizes and openings as per consented documentation	Pass
Timber treatment H1.2/existing	Pass
Lintel/beam size and fixing	Pass
Insulation existing	Pass
Top plate connection	Pass
Ceiling batten spacing	N/A
Stud spacing 400mm	Pass
Bracing connections BL	Pass
Air seals	Pass
Bottom plate fixings	Pass
Is the building weathertight	Pass
Grade of timber framing	Pass
Framing cut outs	N/A
wet area substrate	N/A
insert or inbuilt fireplace	N/A
LBP number	N/A
Other	N/A
Other	N/A



SITE NOTICE

Consent No: 170119
Applicant: Bill Francis

Site Address: 12 Murray Court, Paraparaumu
Work Type: Reroof & reclad existing dwelling

Building Category: R2

Inspection Type: Preline Building

Inspection Outcome: Fail

Inspected By: Craig Watson
Inspection Date: 17 May 2018

Passed Items

General

Conforms with approved drawings

Confirm additional information/amended plan

Max moisture content 13-18 %

Ventilation to rooms Window sizes and openings as per consented

documentation

Timber treatment H1.2

Lintel/beam size and fixing

Insulation R2.4 wall

Top plate connection

Stud spacing

Bracing connections BL brackets in place

Air seals

Bottom plate fixings

Is the building weathertight Grade of timber framing

LBP number Brook

Failed Items

General

Sighted previous inspection notes Outstanding inspectons still to be addressed.

Support Documentation Status As-built drainage plan Required if the storm water drain has been altered Drainage (Form 126) for stormwater installation Required if the storm water drain has been altered Timber framing and truss certification Required Roof product manufacturers warranty Required Record of Work Required Roof installers warranty Required

Consent No: **170119**Applicant: **Bill Francis**

Site Address: 12 Murray Court, Paraparaumu
Work Type: Reroof & reclad existing dwelling

Inspection Type: Preline Building

Inspection Outcome: Pass

Inspected By: Gareth McCullagh

Inspection Date: 15 January 2019 10:59 a.m.

Duration: 30 minutes

Inspection ElementStatusGeneralPassSighted previous inspection notesPass

bed 1 /4

Conforms with approved drawings Pass

Amendment provided and approved

Confirm additional information/amended plan Pass

Support Documentation

Application for CCC Accepted
Electrical safety certificate Clear
As-built drainage plan Clear

if the storm water drain has been altered

Drainage (Form 126) for stormwater installation Clear

if the storm water drain has been altered

Record of Work Accepted

Not installed re pitched existing trusses need updated drawing

Roof installers warranty

Clear

Window manufacturers producer statement

Accepted

Building Practitioners

Carpentry 1 Accepted



SITE NOTICE

Consent No: 170119
Applicant: Bill Francis

Site Address: 12 Murray Court, Paraparaumu
Work Type: Reroof & reclad existing dwelling

Building Category: R2

Inspection Type: Preline Building

Inspection Outcome: Fail

Inspected By: Alan Tinney
Inspection Date: 1 June 2018

Passed Items

General

Max moisture content 16%

Ventilation to rooms Window sizes and openings as per consented

documentation

Timber treatment H1.2/existing

Lintel/beam size and fixing

Insulation **existing**

Top plate connection

Stud spacing 400mm
Bracing connections BL

Air seals

Bottom plate fixings

Is the building weathertight Grade of timber framing

Failed Items

General

Sighted previous inspection notes bed 1 /4

Conforms with approved drawings

Confirm additional information/amended plan

Inspection Type: Postline / Wet area Pre Application

Inspection Outcome: Pass

Inspected By: Alan Tinney
Inspection Date: 1 June 2018

Passed Items

General

Sighted previous inspection notes Bed 1&4

Conforms with approved drawings

Confirm additional information/amended plan

Sheet bracing as required

Sheet fixings as required

Inspection Type: Pre Clad Inspection Outcome: Fail

Inspected By: Alan Tinney
Inspection Date: 1 June 2018

Passed Items

General NE walls
Building wrap type tekton

Flexible seling tape aluband

Head flashings installed with caps

Internal/external corner flashings pvc

Flashing penetrations

Ground/Deck Cladding Clearance

Batten timber treatment H3

Cavity closers
Battens in place

Cavity spacers size and slope

Failed Items

General NE walls

Inspection notes N E walls

Drawings

Additional information/plan

Support Documentation Status

As-built drainage plan Required

if the storm water drain has been altered

Drainage (Form 126) for stormwater installation Required

if the storm water drain has been altered

Timber framing and truss certification Required
Roof product manufacturers warranty Required
Record of Work Required
Roof installers warranty Required

Department	For Referral	Comments	Approving Officer / Date
Site Inspection		Refer to Form 241 for completion of Site Inspection & sign off this form when completed.	
Resource Consents (refer PIM Sheet)			
Plumbing and Drainage	/		
Building	1		18/5/2015 Sman Copp Sf
Fire Design	\		Tr q
Compliance Schedule			
Environmental Health			
Other			
Attachments: PIM DIF CS		NOTES:	
Sec 37/ include highl clause on first page of Other:	of Form 508.		
O			

APPLICATION WORKFLOW COVERSHEET (Blue Folder)



Building Consent No.	150304
Building Project	Indian mespert Riscous Floweribune
Location (Site Address)	12 mura, court, Pargaraunu
Building Category	Circle appropriate category 0 1 2 3

Receive	ed:			
	18	YAM	2015	

Note: A signature confirms that the application contains sufficient information to enable compliance with the building code to be assessed.

CANADA TO MISSING THE RESERVE OF THE STATE O	Name and signature	Date
# Note: Checked, date stamped and initialled by TO/BCO. Select and circle appropriate category above & identify allocation to appropriate technical groups and if required to go to "site inspection" BC1	6HOWE	18/05/15
Payment taken and receipted (details entered inside this cover sheet) by CSO BC1		
Data entered and invoiced by CSO BC1	Yirjun	18/05/15
Pages numbered by CSO BC1	stalice	18/05/15
BC Application and documentation scanned, checked & status update by CSO BC1	Yin Jun	18/05/15
BC Application signed over to BC BC1	100	
Application reviewed by Technical Officers who sign off at back of this form BC2 & BC5	Simon Copp St	18/5/2015
Once Technical review complete, passed to CS for Plan Production and Invoicing BC3	Sman Copp 9	18/5/2019
CSO checks data entry input, including required inspections BC3)	Santas Iso
BC, plans and other appropriate paperwork produced by CSO BC3	I Vintium	18/05/15
BC, Approved plans and appropriate paperwork sent to applicant or agent with receipt by CSO BC3	1000	10/00/
Inspection envelope prepared by CSO with endorsed plans and other appropriate paperwork and filed to cabinet. BC3		

CONSENT DATA INPUT REQUIREMENTS

1	Required Inspections	1	Required Inspections	1	Required Inspections	1	Required Inspections
	Foundation/Piles		Drainage		Pre-lining (Plumbing)	V	Final (Dwelling)
	Block		Pre-Wrap		Wet Areas - Membrane		Retaining Wall
	Pre-Slab (Plumbing)		Pre-Clad		Post Lining		Final (Commercial)
	Pre-Slab (Building)		Weathertightness		Brick Veneer		Chimney (Inbuilt Fire)
	Sub-Floor		Pre-lining (Building)		Retaining Wall		

Office use	1		Office use	1	
32	1	Lapse and cancellation after 12mths of consent	23A		Second hand wood burner certified
2		Engineer design specific components	25		Contractor to leave site clean and clear
3		Foundations to solid bearing of 200mm	30		To comply with Food Hygiene Regulations 1974
4		NZS3604 as acceptable solution in terms of NZ Building Code	31		As in CCZ, all fixings need to be stainless steel
6		Not approved as Habitable Room	33		Approval only given for relocation purposes
9		Note and comply with all endorsements on approved plans	34		If cladding to have pre-finished colour coating, to be appropriate for coastal conditions
10		Names and Registration of plumber and drain-layer required	38		Window sashes on upper levels less than 760mm above floor to have stays fixed
11		Concealed soil and TV pipes and gas flues only allowed in ducts or minimum framed	39		Construction of playground to comply with NZS5828
12		Hot & Cold water pipes tested to 1500kPa	40		Fencing, gates, doors directly leading to swimming pool to comply with the Fencing of Swimming Pools Act 1987
13		Roof stormwater to be connected to existing	43		Textured systems should be applied by licensed, trained applicators – supply warranty
15		Owner/builder to ensure prop foundation height will allow satisfactory connection	44		Exterior cladding system to be completed and inspected prior to internal lining
21		Minimum FFL to comply with NZS3604			
23	V	Installation of solid fuel appliance (wood burner) comply and secured			

Act Ref	1	Standard Consent Conditions	Comment
37		Resource Consent has not yet been obtained	
72 - 73		Land subject to natural hazard	
75-80		Construction on two or more allotments	

ARCH.	-				100		
Non-	SIL	anc	1arı	пΑ	da.	end	а

24a 36a

Yes/No

W

Compliance Schedule

Yes/No

Office - please see additional consent data comments on next page

This project contains elements specifically designed by an engineer. The Owner/Builder is required to UGST 51-850-008 ensure the Engineer inspects the work and provides KCDC with written evidence of the inspections. Recurrent with thinks by 37/61 The attached fire report constitutes an essential part KAPTYL COAST HISTORY C SERRELL of this Building Consent and must be read and fully implemented on site - refer to the fire report for full 18-05-15 10:07 Receipt pui,500442 details that are not necessarily indicated on the architectural drawings. It is the responsibility of the DB &C156304 owner and contractor to ensure the full fire THE HEATTHS CONTROLL 231.000 precautions, systems and construction are The Heating Centre Lid::P0 8or 298 Para incorporated in the building. DR BC150305 THE IN AFTING CENTER 1. Ground bearing must be reconfirmed on site The Beating Centre Lid: PB Box 200:Para following excavation but prior to placing of concrete and reinforcing. Soft ground may be encountered The Heating Control L 462.00 requiring engineer specific design. Other:

Office Use Only	: Fees		
Building Fee	\$ 23		
Sewer Connection	\$		
Water Connection	\$	Application Fes	13
Vehicle Crossing Damage Deposit	s	Invoice No: 9,93/ Date:	18/15/15
Code Compliance Administration	s	Receipt No: 500442 Date: 1	18/05/15
Building Research levy	s	Fees Paid By: The Heating Co	ntre
MBIE Building Levy	S	Building Consent Number: 150304	210
Compliance Schedule	s	Date Issued:	
Digital Storage Fee	s	AUTHORISATION FOR REFUND OF DE	POSITS
Certificate of Title Charge	s	Deposit Held	s
Photocopying	s	Cost to Repair Damage Caused During Construction	s
SUBTOTAL	\$	Total Balance to be Refunded	s
Less Fee Paid	S	Authority Number:	
Total	s	Authorised. Date:	
GST INCLUDED	\$ 22	Deposit Held	s

Addenda to Application

Application

* 10 \$110 410 4-1		
The Heating Centre Ltd	No.	150304
PO Box 298		
Paraparaumu		

Project

Description	Domestic Fireplaces
	Being Stage 1 of an intended 1 Stages
	Instell Masport R1500 WS Freestanding Woodburner.
Intended Life	Specified as 50 years
Intended Use	Dwelling
Estimated Value	\$3,000
Location	12 Murray Court, Paraparatimu
Legal Description	LOT 4 DP 83038 C/T 49C/748
Valuation No.	1527258501

Contractor: 432774 #3002

The Heating Centre Ltd 53 Kapiti Rd, Paraparaumu: 0274

General Requirements

- a) The Building Inspector is to be given 24 hours' notice before carrying out the following inspections:
- Final Inspection.
- b) To arrange for any of the above required inspections by Building Control Team, please contact the Call Centre on (04) 296 4700 between the hours of 8am and 5pm.

Addenda to Application 150304

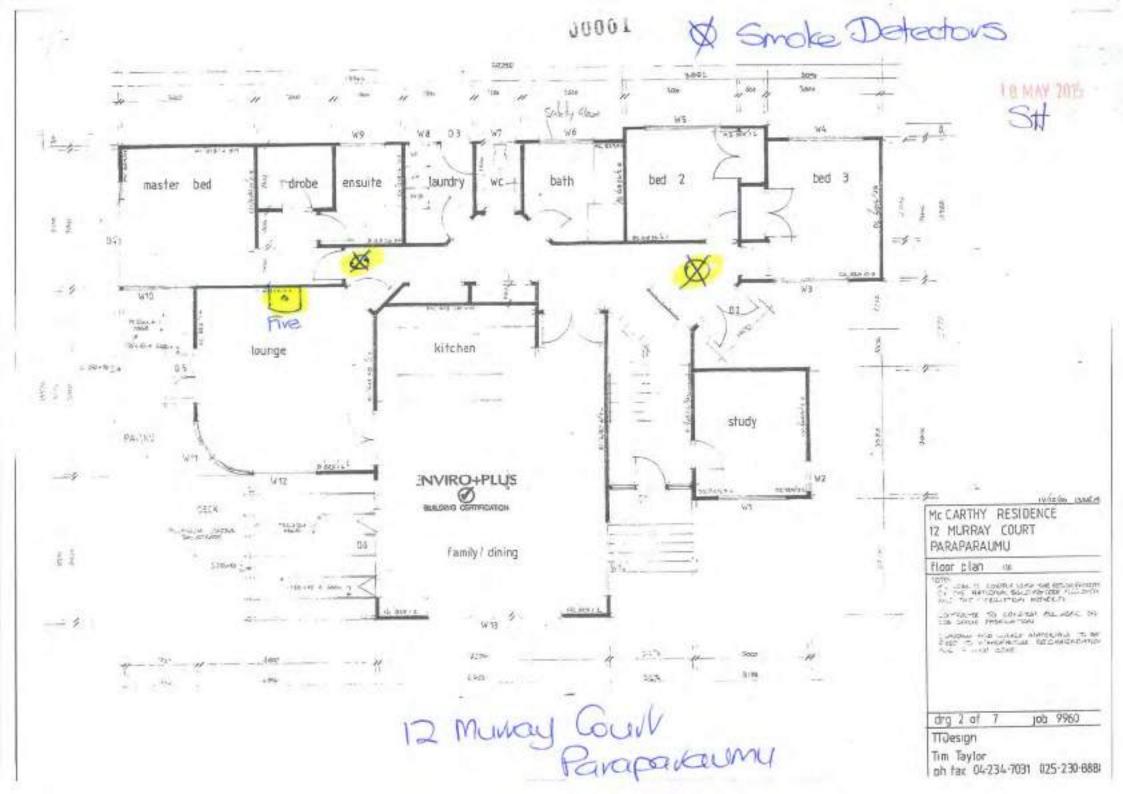
2

- LAPSE AND CANCELLATION OF BUILDING CONSENT. A building consent shall tapse and be of no effect if the building work concerned has not been commenced within 12 calendar months after the date of issue. Or within such further period as the territorial authority allows.
- Seismic restraint to be provided to appliance and flue as per the manufacturer's recommendations, NZBC, C.1 and Acceptable Solutions 9.1.2 and 9.2.2
- Section F7 of the New Zealand Building Code requires the installation of an approved smoke alarm system for detection and warning of fire. Alarms are to be of a type which include a reset and test buttons.
- Solid fuel appliances Permanent external supply of combustion air to be provided as per manufacturer's recommendations, NZBC, G4.3.5 and Acceptable Solution C/AS.1, Part 9.

I have read the foregoing addends to application, and the Owner/Builder/Authorised Person hereby agrees to comply with them.

OWNER/BUILDER/ AUTHORISED PERSON

Date:



00004

THE HEATING CENTRE LTD

53 KAPITI ROAD, PARAPARAUMU PO BOX 298, PARAPARAUMU 5254 PHONE/FAX (04) 298-6556 Email: heating centre@paradise.net.nz.



- Seismic Restraints to be provided to appliance and flue as per manufacturer's recommendations and NZBC C/AS1 section 7.1.2
- Permanent external supply of combustion air to be provided as per manufacturer's recommendations and NZBC G4/AS1
- The Penetration is no more than 300mm and is being done under Schedule 1 of the Building Act 2004, section 14









00003

SHEETMETAL FABRICATED PRODUCTS

150MM FREE STANDING WOODFIRE FLUE KIT INSTALLATION INSTRUCTIONS

WARNING: THIS FLUE KIT HAS BEEN MANUFACTURED IN ACCORDANCE WITH ASMZS 2918:2001 AND TESTED TO APPENDIX F. TO ENSURE SAFETY THIS FLUE KIT MUST BE INSTALLED AS OUTLINED IN THESE INSTRUCTIONS AND THE APPROPRIATE REQUIREMENTS OF THE RELEVANT BUILDING CODE OR CODES, WOOD FIRE AND FLUE CLEARANCES FROM COMBUSTIBLE WALLS MUST BE IN ACCORDANCE WITH WOOD FIRE MANUFACTURER'S SPECIFICATIONS AND ASMZS 2918:2001, THESE INSTALLATION INSTRUCTIONS ARE FOR TESTED APPLIANCES ONLY.

CAUTION: MIXING FLUE SYSTEM COMPONENTS FROM DIFFERENT SOURCES OR MODIFYING THE DIMENSIONAL SPECIFICATION OF COMPONTENTS NAY RESULT IN HAZARDOUS CONDITIONS. WHERE SUCH ACTION IS CONSIDERED, THE MANUFACTURER SHOULD BE CONSULTED IN THE FIRST INSTANCE.

CAUTION: IT IS THE RESPONSIBILITY OF THE INSTALLER TO ENSURE THAT THE INSTALLATION OF THIS FLUE KIT COMPLIES WITH ASINZS 2918:2001, THE APPLIANCE MANUFACTURERS SPECIFICATIONS FOR FLUE PIPE SHIELD AND CEILING PLATE AND THAT THE RELEVANT BUILDING CODES ARE ADHERED TO.

BENDS AND EXTENSIONS TO THE LENGTH OF A FLUE SYSTEM ARE PERMITTED (ASAIZS 2918, 2001 4.1)

- Lecate Wood Fire in its proposed position and mark a point on the ceiling that is directly above the centre
 of the Wood Fire's Flue Spigot. Check that the Wood Fire's location allows the OUTER CASING to clear
 all structural roof timbers.
- 2) Cut a 250mm square hole in ceiling. Directly above cut a hole in roof to accommodate OUTER CASING.
- Fit timber nogs around ceiling and roof holes i.e. Nogs form a 250mm square aperture that allows air to circulate freely over the OUTER CASING surface.
- 4) Position the OUTER CASING so that it is flush with the undermeath of the ceiling and protrudes through the roof the required height. Note that AS/NZS 2918:2001 4.9.1(a) states, "the FLUE PIPE shall extend not less than 4.6m above the top of the floor protector". Refer to diagram B.
 - a) If the FLUE PIPE is within 3 metres of the ridge, the FLUE PIPE must protrude at least 600mm above the ridge of the roof.
 - b) If the distance from the ridge is more than 3 metres, the FLUE PIPE must protrude at least 1000mm above roof penetration.
 - c) The FLUE PIPE must be more than 3 metres from any nearby structure. (Refer diagram C)

Additional FLUE PIPE, OUTER CASING and/or INNER CASING may have to be added to ensure the following:

- The correct minimum roof penetration height.
- Sufficient overall height to encase the FLUE PIPE which must extend a minimum of 4.6 metres from the floor protector. Refer diagram B.

Note that the INNER CASING should extend 200mm above roof penetration.

NB:Do not secure the OUTER CASING SLIP EXTENSION onto the OUTER CASING, as final adjustment will be required when fitting cowl assembly. See Paragraph 11.

- 5) Fix an appropriate flashing around the OUTER CASING to seal onto the roofing material. Refer to the manufacturer's recommendations for correct fitting. NB: On iron roofs, fixings such as metal angle brackets (approximately 25mm × 25mm) can be fitted under the flashing to securely fix the roof to OUTER CASING.
- Drill holes in ceiling plate for the fixing screws. Place CEILING PLATE over Wood Fire's Flue Spigot, ensuring the folded edges are facing the ceiling.
- Position bottom length of FLUE PIPE (primped end downwards) into Wood Fire Flue Spigot.

Refer to the supplier of the Wood Fire and use flue pipe sealant if recommended.

- 8) Assemble FLUE PIPES together ensuring seams are straight, offsetling the seams will ensure a neat fit. FLUE PIPES must be assembled with crimped ends down (lowards Wood Fire). Secure each joint with a minimum of three Monel Steel rivets equally spaced around the joint. If using HI-THERM FLUE PIPE the protective wrapping should be left on the FLUE PIPE during installation.
- Sy From the roof lower FLUE PIPE through OUTER CASING into the bottom FLUE PIPE securing with three monel rivels.
- 10) Check that the FLUE PIPE SPACING BRACKETS inside the INNER CASING are correctly positioned and then from the not slide the INNER CASING into the OUTER CASING until the brackets rest on to the internal swage ring of the OUTER CASING, this will ensure the INNER CASING is the correct 12mm above celling level.

Check the INNER CASING when correctly positioned extends a minimum of 200mm above the roof ponetration.

- Before securing the OUTER CASING SLIP EXTENSION to the OUTER CASING with 3 rivets, ensure
 the FLUE PIPE extends above the top of the OUTER CASING SLIP EXTENSION 145mm. Adjust SLIP
 EXTENSION to obtain this measurement.
- 12) Fit TOP SPACER BRACKET to the FLUE PIPE making sure the luge fit snugly inside OUTER CASING SLIP EXTENSION. Make sure TOP SPACER BRACKET fits hard down onto OUTER CASING SLIP EXTENSION.
- 13) Fit CASING COVER over the FLUE PIPE and push down firmly onto TOP SPACER BRACKET.
- 14) Fit COWL but do not secure, as removal for flue cleaning will be necessary. Deform or ovalue the stub of the COVIL to ensure it is a tight friction fit.
- 15) Fasten CEILING PLATE to ceiling using screws and ceramic spacers provided. Ensure an even air gap around FLUE PIPE when fixing. Remove protective plastic from CEILING PLATE, N.B. 12mm air gap between ceiling plate and ceiling must be maintained.
- 16) Leave all installation and operating instructions with the owner

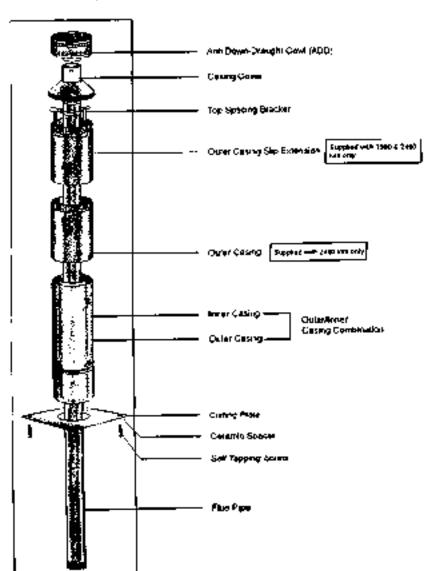
Cleaning of Flue Pipes before lighting the fire.

Statnless Steel pipe should be wiped clean using a soft cloth and methylated spirits to remove finger marks and oils used to manufacture the flue pipe.

Enamelled flue pipes should be wiped with a soft cloth.

Hi-Therm flue pipe can be touched up using only STOVE BRIGHT aerosol paint.

150mm Free Standing Wood Fire Flue Kit Installation Instructions Complies with AS/NZS 2918:2001



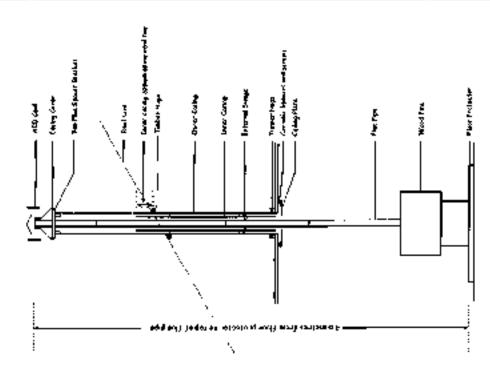
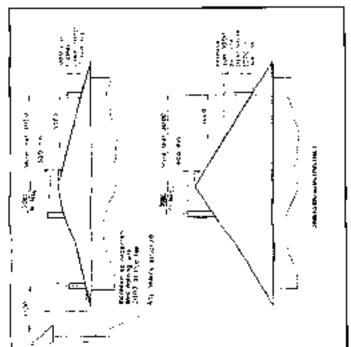


Diagram B

Diagram C A9N/28 2918: 2001 ptj 37



Minimum distance to heat sensitive materials (mm) when a flue heat deflector is fitted as per standard AS/NZS 2918:2001

MODEL	FLUE SHIELD	PROTECTOR TYPE	A	8	C	D	E	F	8	н	4	J	ĸ	L	M	N	B	w
F3000	MCS	AFP	75	250	300	136	50	293	581	390	633	933	860	1118	1015	567	551	662
F3300C	MDSD	AFP	100	300	300	136	100	318	631	440	633	933	892	1196	1089	574	622	662
ATLANTA BAY	MOS	AFP	160	250	300	130	50	294	570	371	600	900	1082	1203	1128	768.	525	640
HESTIA 2	MOS	AFP	50	340	300	130	25	213	680	386	600	900	820	1125	1008	807	518	640
KRONOS MULTI FUEL	KES	AFP	170	330	300	100	160	577	680	514	600	900	1013	1362	1175	636	726	700
R1500L/P	MOS	AFP	110	290	300	111	55	285	590	382	522	822	836	1001	956	550	641	800
R1500WS	Mos	AFP	110	290	300	111	100	285	590	427	522	(822	806	1154	1001	550	604	600
R1500 RURAL	MDS	AFP	110	290	300	111	55	285	590	382	522	602	835	1091	966	550	541	600
R1600	MDS-1200	AFP	110	290	300	111	55	285	590	382	522	822	835	1091	956	550	541	600
R5000 L/P	MDSD	AFP	128	200	300	100	85	324	550	441	600	900	903	1203	1109	844	824	700
R5000WS	FIDS	AFP	170	290	300	100	135	366	640	491	600	900	1010	1339	1159	044	898	700
MACKENZIE R10000	ROS	AFP	150	400	300	87	160	350	795	550	654	964	1070	1498	1294	720	778	790
OSBURN 1600 Dry & MKII Wet	MOS	AFP	100	360	300	81	150	301	678	484	496	796	1002	1385	1155	701	684	635

FLUE SHIELDS:

MDS

Masport Double Skin Flue Shield 1200mm long

MDSD

Masoort Double Skin Flue Shield 1200mm long with diverter plate

KDS RDS Masport KRONOS Double Skin Flue Shield 1200mm long with heat diverter plate

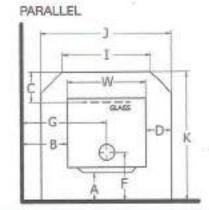
Masport Mackenzie R10000 Double Skin Flue shield 900mm long with special heat diverter and ceiling plate.

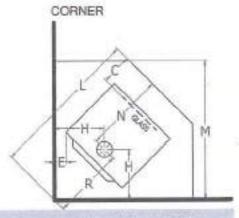
FLOOR PROTECTOR:

AFP

Ash Floor Protector

NOTE: "These dimensions apply when a rear heatshield is fitted to the heater and no side-fitting warming shelves are fitted.





NB: It is important to note that this dimension page is a guide only. Please refer to the installation manual supplied with the fire for accurate manufacturer recommendations.

All details are available on www.masportheating.co.nz.

Note: Clearances are for fire hazard only. For durability of finishes or surfaces you should contact the relevant manufacturer for their specification. Glan Dirapkix Australasia Ltd accepts no responsibility for the deterioration of surfaces or finishes.

For full warranty details refer to your owner's manual. All heaters must be installed and serviced by an authorised installer. Due to ongoing enhancements, specifications may change without notice. Some pictures and settings are for illustration purpose only. Consult your dealer for fires available in your area.



THE RESERVE	Clea	m Air Convection	Freestanding Fire	Section 19 19 19 19 19 19 19 19 19 19 19 19 19			
Atlanta Bay 23		3380C 19	Hostin2	F3000**			
FI1500" R1500 R160 W/8"	W/S R5000" C	000**	Peak output AW	Clean Air Inbuilt Fires 5000 13000 Bannockburn LE4000 12.5* 14* 14* 16			
Rural Frees R5000R**	THE RESIDENCE PROPERTY OF THE PERSON NAMED IN COLUMN TWO	COLAT POR		Multi-Fuel Fires Krones MF**			
	23 Clean R1500** R1500 R1500 W/S** 14 14 14 Rural Frees	Atlanta Bay* 23 Clean Air Radiant Fires R1500** R1500 R1500 R5000 R5000** 0 W/S** 14 14 14 14 14 14 19 19 19 19	Atlanta Bay* F3360C 23 19 Clean Air Radiant Fires P1500** R1500 R1500 R5000 R5000** Osbum MacKenzie W/S** W/S 1600** 14 14 14 19 19* 21.9* 26.4 Rural Freestanding and Inbuilt Fires	Clean Air Radiant Fires R1500*** R1500 R1500 R5000*** Osbum MacKenzie WS*** W/S 1000*** 14 14 14 19 19* 21.9* 26.4 Push under PW/ Rural Freestanding and Inbuilt Fires			

"Lab tested peak heat output. Heat output and burn time will vary depending on fuel size, type and moisture content.

These models have a cooktop ability. Please ensure cookware is used and food it not put directly on the wood fire surface. Over time cooking on your wood fire may after the appearance, this is not covered under warranty.

Water heating booster tubes can be fitted to Masport wood fires but the local emission regulations in some areas may preclude their use on some models

Dimensions and minimum floor protector sizes as per standard AS/NZS 2918:2001

TYPE	FASCIA	FLOOR PROTECTOR TYPE	PROTECTOR THICKNESS	0	н	w	F	FF	H	FW	IIW	HD *
INSERT	STD	IFP+1	>33	510	587	630	100	410	702	850	900	362
INSERT	STD	IFP-1	>33	510	587	630	100	410	660	900	900	362
INBUILT	STD	ASH	N/A	607	652	770	197	410	700	900	900	362
INSERT	STD	IFP-4	>50	470	620	600	162	308	892	820	875	389
INBUILT	STD	IFP-1	>50	526	696	714	222	304	740	820	875	334
MBUILT	STD	IFP-3	>50	612	786	852	264	348	847	1024	1025	525
INSERT	WIDE	IFP-3	>50	420	560	590	100	320	690	965	935	345
INSERT	SLIM	IFP-3	>50	420	580	690	100	320	700	845	835	345
INBUILT	STD	IFP-3	>50	525	700	715	205	320	750	985	935	345
	INSERT INSERT INSERT INSULT INSERT INSERT INSERT	INSERT STD INSERT STD INSERT STD INSERT STD INSERT STD INSERT STD INSERT WIDE INSERT SLIM	INSERT STD IFP-1 INSERT STD IFP-3 INSERT WIDE IFP-3 INSERT SLIM IFP-3	TYPE FASCIA PROTECTOR THICKNESS INSERT STD IFP-1 >33 INSERT STD IFP-1 >83 INBUILT STD ASH NVA INSERT STD IFP-4 >50 INBUILT STD IFP-1 >50 INBUILT STD IFP-3 >50 INSERT WIDE IFP-3 >50 INSERT SLIM IFP-3 >50	TYPE FASCIA TYPE PROTECTOR THICKNESS 0 INSERT STD IFP-1 >33 510 INSERT STD IFP-1 >83 510 INBUILT STD ASH N/A 607 INSERT STD IFP-4 >50 470 INBUILT STD IFP-1 >50 526 INSULT STD IFP-3 >50 612 INSERT WIDE IFP-3 >50 420 INSERT SLIM IFP-3 >50 420	TYPE FASCIA TYPE PROTECTOR THICKNESS 0 H INSERT STD IFP-1 >33 510 587 INSERT STD IFP-1 >33 510 587 INBUILT STD IFP-1 >33 510 587 INSERT STD IFP-1 >30 607 652 INBUILT STD IFP-1 >50 470 620 INBUILT STD IFP-3 >50 612 786 INSERT WIDE IFP-3 >50 420 560 INSERT SLIM IFP-3 >50 420 560	TYPE FASCIA TYPE PROTECTOR THUCKNESS 0 H W INSERT STD IFP-1 >33 510 587 630 INSERT STD IFP-1 >83 510 587 630 INSERT STD ASH N/A 607 652 770 INSERT STD IFP-4 >50 470 620 600 INBUILT STD IFP-1 >50 526 696 714 INSERT WIDE IFP-3 >50 612 786 852 INSERT SLIM IFP-3 >50 420 560 590	TYPE FASCIA PROTECTOR TYPE PROTECTOR THICKNESS 0 H W F INSERT STD IFP-1 >33 510 587 630 100 INSERT STD IFP-1 >33 510 587 630 100 INSERT STD ASH N/A 607 652 770 197 INSERT STD IFP-4 >50 470 520 600 162 INBUILT STD IFP-1 >50 526 696 714 222 INSERT WIDE IFP-3 >50 612 786 852 264 INSERT SUM IFP-3 >50 420 560 590 100	TYPE FASCIA PROTECTOR THICKNESS 0 H W F FF INSERT STD IFP-1 >33 510 587 630 100 410 INSERT STD IFP-1 >83 510 587 630 100 410 INSERT STD ASH N/A 607 652 770 197 410 INSERT STD IFP-4 >50 470 520 800 162 308 INBUILT STD IFP-1 >50 526 696 714 222 304 INSERT WIDE IFP-3 >50 612 786 852 264 346 INSERT SUM IFP-3 >50 420 560 590 100 320	TYPE FASCIA PROTECTOR THICKNESS D H W F FF FH INSERT STD IFP-1 >33 510 587 630 100 410 702 INSERT STD IFP-1 >83 510 587 630 100 410 702 INSERT STD ASH N/A 607 652 770 197 410 700 INSERT STD IFP-4 >80 470 520 600 162 308 692 INBUILT STD IFP-1 >50 526 696 714 222 304 740 INSERT WIDE IFP-3 >50 612 786 852 264 346 847 INSERT SUM IFP-3 >50 420 560 590 100 320 700	TYPE FASCIA PROTECTOR THICKNESS 0 H W F FF FH FW INSERT STD IFP-1 >33 510 587 630 100 410 702 850 INSERT STD IFP-1 >83 510 587 630 100 410 702 850 INBUILT STD ASH M/A 607 652 770 197 410 700 900 INSERT STD IFP-4 >80 470 520 600 162 306 692 820 INBUILT STD IFP-1 >50 526 696 714 222 304 740 820 INSERT WIDE IFP-3 >50 612 786 852 264 348 847 1024 INSERT SUM IFP-3 >50 420 560 590 100 320 690 985	TYPE FASCIA PROTECTOR THICKNESS 0 H W F FF FH FW HW INSERT STD IFP-1 >33 510 587 630 100 410 702 850 900 INSERT STD IFP-1 >83 510 587 630 100 410 702 850 900 INBUILT STD ASH M/A 607 652 770 197 410 700 900 900 INSERT STD IFP-4 >80 470 520 600 162 308 692 820 875 INBUILT STD IFP-1 >50 526 696 714 222 304 740 820 875 INSERT WIDE IFP-3 >50 612 786 852 264 348 847 1024 1026 INSERT SUM IFP-3 >50 420

FLOOR PROTECTORS:

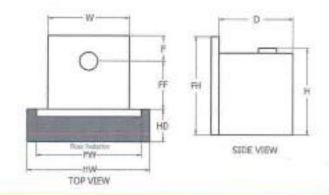
IFP-1 One layer of 6mm thick PROMATECT-H & 8mm thick tiles

IFP-3 Two layers of 16mm thick MICORE 160 & one layer of 6mm fibre coment sheet & tiles

IFP-4 One layer of 12mm thick PROMATECT-H & one layer of 5mm tibre cement sheet & tries

ASH Ash Floor Protector

NOTE: "For other floor protector thicknesses the HD dimension changes. See installation instructions.



Installation

When installed in the correct manner as shown in the Masport Heating installation Manual (supplied with the fire), your fire will provide a cleaner and more energy efficient warmth. Masport Heating recommends that all installation work be carried out by an installer who has completed the NZHHA cartification programme. We recommend that your Masport Fire is installed with an approved Masport flue kit.

Guaranteed For 10 Years

As a sign of our commitment to quality, all new Masport fire boxes are guaranteed for 10 years. We warranty our fire boxes to be free from defects in material or workmanship under normal use and service. The Warranty (on the cast iron or steel firebox excluding attachments) is for 10 years from the date of purchase."

1 Near warranty or at retain the parts 5 Year warranty or at must be boxes.

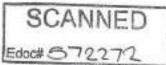
Glossary

NES ECAN ORC Airshed 1 RURAL National Environmental Standards set by Ministry for the Environment. Environment Canterbury and Nelson Regional Council emission standards. Otago Regional Council Airshed 1 emission standards. For installation on a secsion of 2 hectarss or more.

CHECKSHEET: MINOR WORKS

Freestanding/Inbuilt fires, and minor plumbing and drainage works.

Kapill Coast District Council, 175 Rimu Road, Paraparaumu 5032 Private Bag 60601, Paraparaumu 5254 For enquiries, phone 04 296 4700





75 MAY 2015

Address of Project:

12 MURRAY COURT, PARAPARAUMU

This checksheet shows you the information that has to be supplied with your building consent application. Please attach 2 copies of the following information (unless otherwise specified) with your completed Building Consent Application form. Please tick each relevant box in the Customer Use column as you attach the information. Complete only the sections that are applicable to your project

A guidance document is available to help compete the section in the application form on 'means of compliance' for each building code clause

Once you have attached all the required information, please check for completeness as an incomplete application or lack of any supporting information will mean that your application cannot be accepted for processing.

Customer Use			For Office Use Only
	1	GENERAL	100
		Complete for all Applications	
Ø	a	Application form (1copy) Completed and signed by the owner or by an agent on behalf of the owner	0
G/	b	Proof of ownership (1 copy) The Council can usually satisfy itself as to ownership through it's rating information if you have owned the property for more than a few months. Otherwise: If you have purchased the propoerty recently (last 3 months) please provide a copy of your certificate of title If you have not yet completed the purchase of the property please provide a copy of	4
		If you lease the property please provide a copy of the relevant portions of the current lease that indicate that you have authority from the owner to undertake the work.	
Ø	C	Location plan (1:100) showing Physical location of the site in relation to streets or landmarks, north point and lot and DP number. Location of the building within the site and location of work within the building	6
Ø	d	Application fee Applications will not be accepted without payment of the appropriate fees. Fees payable are set out in the published fee schedule of the council that has jurisdiction over the project site	D
	2	FREESTANDING / INBUILT FIRES	1
	Corr	iplete only where the proposal is for the installation of a fire appliance into an existing building	
छ	a	Floor plan (not less than 1:100) showing: • location of the solid fuel appliance in the dwelling, including proximity to any windows. If flue extends through or past a second storey, plans of the upper storyes are also required.	p
		 location and type of smoke detectors (required where none are currently installed or where existing need to be replaced or moved 	

	1.		
17	b	Manufacturer's specifications	n-
		 for correct installation and use of the solid fuel appliance 	1
		 the specifications must relate to the specific make and model of fire being installed. 	
		Alternatively state the generic standard being applied	
Ø	C	Flue details	n/
		Where these are not included in the manufacturer's specifications	Li
124	d	Weatherproofing details	Ь
***		Flashing details for the flue penstrations	
	8	Secondhand appliances must have an acceptable Producer Statement	
		Producer statements must be from an expert source, be on firms letterhead, state the	10 F
		residual durability of both the appliance and/or the flue, and be signed and dated	ACT THE
	3	MINOR PLUMBING AND/OR DRAINAGE	
	Compl	icte only for projects for plumbing/drainage projects that, do not have associated building work	is
		respected in their spheriting and building work use the Single Residential Diretting and Accessing thinking Clerck	Metel)
	a	Existing floor plan (1:100) showing	
		location of fixtures, fittings and/or drainage	697679
	-	location and type of smoke detectors	
	b	Proposed floor plan (1:100) showing	
	1		- 0
		fixtures, filtings and hot water systems	
		fixtures, fittings and hot water systems if the building is more than one storey high with sanitary fixtures on the upper floors,	
		fixtures, fittings and hot water systems if the building is more than one storey high with sanitary fixtures on the upper floors, provide an isometric layout showing wastes, pipes and falls	0
		fixtures, fittings and hot water systems if the building is more than one storey high with sanitary fixtures on the upper floors, provide an isometric layout showing wastes, pipes and falls ventilation of sanitary rooms	
		fixtures, fittings and hot water systems if the building is more than one storey high with sanitary fixtures on the upper floors, provide an isometric layout showing wastes, pipes and falls ventilation of sanitary rooms location and type of smoke detectors	
	C	fixtures, fittings and hot water systems if the building is more than one storey high with sanitary fixtures on the upper floors, provide an isometric layout showing wastes, pipes and falls ventilation of senitary rooms location and type of smoke detectors Drainage plan (1:500) showing	
	c	fixtures, fittings and hot water systems if the building is more than one storey high with sanitary fixtures on the upper floors, provide an isometric layout showing wastes, pipes and falls ventilation of sanitary rooms location and type of smoke detectors Drainage plan (1:500) showing (Note: If you have supplied drainage details for surface water disposal on the site plan, no	
	c	fixtures, fittings and hot water systems if the building is more than one storey high with sanitary fixtures on the upper floors, provide an isometric layout showing wastes, pipes and falls ventilation of sanitary rooms location and type of smoke detectors Drainage plan (1:500) showing (Note: if you have supplied drainage details for surface water disposal on the site plan, no drainage is	
<u> </u>	c	fixtures, fittings and hot water systems if the building is more than one storey high with sanitary fixtures on the upper floors, provide an isometric layout showing wastes, pipes and falls ventilation of sanitary rooms location and type of smoke detectors Drainage plan (1:500) showing (Note: If you have supplied drainage details for surface water disposal on the site plan, no	

NOTES

The issue of a building consent does not relieve the owner of any duty or responsibility under any other act

Please check with your local territorial authority for other approvals required which may include the need for road opening notices.

For office use only Received on the grounds that in accordance with the Building Act 2004 and the N	all information ap I Building Code:	opears to have been provid	ed to enable a	sessment for compliance
Name Show (CONTO	0	Signature:	00	1865/15

BUILDING CONSENT DOCUMENTATION FILED



Building Consent Number: 150	304
Street Address: 12 murray court	, Povapaami
Tick indicates documents (s) included in this Building Consent	×.
Building Consent Application	~
Application checksheet	V
Costing schedule	
Plans and specifications	
Invoice and receipt	
Processing records / checksheets	
Inspection page printouts	V
ALL	
Building consent and memorandum	V
Inspection reports	V
Application for CCC	V
Code of Compliance Certificate	V
Producer statements and supporting documentation	~
Peer review documents	NA
Fire design documents	
Requests for further information and other correspondence	
Amendments	
Supplementary information	
Energy work certificates	
Notices to Fix	V

This form comprises part of the Building Consent documentation and indicates the contents of the Building Consent File.

PROCESSING CHECKLIST: WOOD BURNERS, MULTIFUEL BURNERS AND GAS APPLIANCES



Key	
N/A 🗀	Not Applicable to this application. (The deletion of whole sections as N/A is permitted. For alternatives comment below each section).
No 🗆	Plans, specifications & documentation not complying with the Building Code &/or Bid Act (The reason specified alongside each prompt)
Yes 🗆	Plans, specifications & documentation complying with Category Bld Code &lor Bld Act (The reason specified alongside each prompt)
Note	The further information requests are identified by hand written numbers and corresponding on FIR letters / e-mails sent
Site Plan/	Locality Plan. (NZS 3804 Sec. 3.4, 4.5 Code ci81, F18F2)
N/A 🗆 No E	
000	Hazards
	Corrosion Zone
	Current rates demand/certificate of title
Resider	tial (Emissions <1.5 / Efficiency less than 65%) 6100 🗆 Rural (>2 hectares) Emmission / Efficiency N/A)
	G12/AS1 E2/AS1NZS C/AS1 part 9-9.5
N/A EI No E	The state of the s
000	Clean Air requirements MFE website - List of approved wood burners -9 ym Kg
	Appliance Specifications & Hearth details
000	Flue Details if not in manufacturers specifications
000	Flashing details E2/AS1 (page 81) Penethotion less than 300mm exphil under scholube
00	Wetback schematic pipes shown on elevation and layout Wetback/tempering valves
000	Seismic restraints C/AS1 sec 9, 12&13
000	Gas appliances NZS 5261
000	Ventilation/external combustion (see note below) C/AS1 sec 9; G4
00	Open Fires C/AS1 part 9 – 9.5
Floor Pla	ns / Layout
N/A □ No £	
000	Fire Location (showing surrounding windows, combustible materials etc)
000	If >2 levels then cross section required
000	Smoke detectors F7
00	Hearth If not shown on manufacturers specifications \$231 pour by cherging
Addenda	Notes
Freestandin	g - 32; 23; 24a; 36a Inbuilt - 32; 23; 24; 24a; 36a
Solid Fuel A	Fires – 36; 23; 24a – Permanent supply of combustion air to be provided in accordance with section 2.1 of NZBC G4 appliances – 36a– Permanent external supply of combustion air to be provided as per manufacturers recommendations AS1 part 9
Approved Appr	/ Declined
	ned. (If declined please record decision on the back of this form)

Notes/Decision Recording	

TIMESHEET FOR BUILDING CONSENT AMENDMENT



Building Consent Number:

Date	Officer	Time
18/5	Simon	2015 min
		exwest -
		TOTAL:

3 Keep on-sile for the Inspector

INSTALLERS CHECKSHEET: FREESTANDING OR INBUILT FIRE



Note: Please have this form completed by the installer and ready for our Building Inspector to collect when doing the final inspection.

Building Consent Number:	150304	
Installers Details:		
Installers Name: (Please print) THE HOATI	NG CENTRE LITO	
Address: 53 KAPITI RD, PRM	Phone: 298 6556	
Freestanding Fire or Inbuilt Fire installed at:		
Address: 12 Murray Court	Pavapavaumy	
For: Mykes + Kay Bur		
The following requirements under NZS 7421:1990 or AS/N	IZ 2918:2001 have been met and the solid fuel burning domestic applia	
Please Tick (where applicable) the following:		1
DESCRIPTION OF THE PROPERTY OF		100
The chimney has been cleaned.		
The chimney has been cleaned. The chimney is in a sound condition.		
	oly with BRANZ zero clearance certificates.	
The chimney is in a sound condition.		
The chimney is in a sound condition. The chimney is of purrice and correct dimensions to comp		~
The chimney is in a sound condition. The chimney is of purifice and correct dimensions to comp The chimney is ventilated to manufacturer's requirements. The appliance is restrained against seismic activity (freest	anding & fireplace heaters),	~
The chimney is in a sound condition. The chimney is of purice and correct dimensions to comp The chimney is ventilated to manufacturer's requirements.	anding & fireplace heaters). NZ as complying with their zero clearance certificate.	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
The chimney is in a sound condition. The chimney is of purrice and correct dimensions to comp The chimney is ventilated to manufacturer's requirements. The appliance is restrained against seismic activity (freest The Inbuilt heating appliance has been approved by BRAI	anding & fireplace heaters). NZ as complying with their zero clearance certificate.	\ \ \
The chimney is in a sound condition. The chimney is of purice and correct dimensions to comp The chimney is ventilated to manufacturer's requirements. The appliance is restrained against seismic activity (freest The Inbuilt heating appliance has been approved by BRAN The hearth is an approved type according to the manufact The hearth is restrained against seismic activity.	anding & fireplace heaters). NZ as complying with their zero clearance certificate.	
The chimney is in a sound condition. The chimney is of purrice and correct dimensions to comp The chimney is ventilated to manufacturer's requirements. The appliance is restrained against seismic activity (freest The Inbuilt heating appliance has been approved by BRAI The hearth is an approved type according to the manufact The hearth is restrained against seismic activity. The fire-surround at its connection to the fire place is fully	anding & fireplace heaters). NZ as complying with their zero clearance certificate. burer's requirements. insulated with approved material [see BRANZ Building Information	



	SCOPE OF INSP	PECTION SH	EET ,	
Date 10-6-15	BCA 150 30	X4	Inspection No.	
Time 3-30			Documents on site (ES NO
Owner Name Buckland	d Jores	Project Description	Woodbure	
Site Address 12 Mun	J C+		Restricted Building Work Y	ES MO
Building Plumbing	Circle appropriate	Type & Inspection	Other	
Site Found Piles PreSlab Subflo	or Drainage PreWrap PreCl	ad Weathertight Pre	Line PostLine Block Brick Re	t.Wall Final
Engineer Supervision Yes N	lo n/a – Name			
Notes			Diagram (if necessary)	
Photo's Taken – Nos	saved / scanned	#? Y / N		
Confirmation of person on si	te	Result	Fass Fail	
Name	LBP No.			

Your next inspection will be	is sheet)			
Agreed, Agreed	sign			
Officer Name Cong W	atson sign	CN		
The state of the s	The second secon		and the state of t	

November 2013 Page 1 of 5 Form 242d

Initial

Date ___/__/__

Information entered into data base

CODE COMPLIANCE CERTIFICATE REVIEW CHECKSHEET



Criteria: All building work except for minor works or major projects. Refer CAS: 814, 815, 816

Address of Project: 12 Murray Court, Paraparaumu	
Date: 10/06/15	BC No: 150304

	NVA	Yes	No
Application for Code Compliance Certificate (Form 278) completed?		4	
Confirm all required inspections and been completed and passed		-1	

If Inspections have been missed, what supporting info and method of verification has been provided to compensate for missed inspections?

	N/A	Yes	Mo
Work in accordance with approved consent and approved amendments		4	
If no, has NTF been issued?			
Have items of non-compliance been resolved and NTF uplifted?	1		

Note: If work is not in accordance with consent, (and approved amendments) or NTF matters have not been resolved, suspend application for Code compliance Certificate.

Tick indicates yes, N/A indicates considered – but not applicable	Req†d	Supplied	Accept
Copy of electrical certificate	NA		
Copy of gas certificate	NA		
An "as-built" drainage plan	NA.		
Plumbing (Form 125) for pressure test and installation piped services	NA		
Drainage (Form 126) for stormwater installation	NA		
Drainage (Form 127) for private sewer installation	NA.		
A Construction Review (PS4) statement for Structural engineering	NA		
A Construction Review (PS4) statement for Fire engineering	NA		
A Construction Review (PS4) statement for Geo-technical engineering	NA		
Roof cladding warranty	NA.		
Solar water heating technical specifications	NA		
Wall cladding/texture coating installation applicator warranty	NA		
A copy of the lift certificate	NA		
A certificate from the fire alarm installer	NA		
A certificate from the sprinkler certifier	NA		
A copy of wet-area membrane installers warranty	NA.		
A copy of deck membrane manufacturer's installers warranty/guarantee	NA		
FPIS (verifier) Fire Systems Certification	NA		
Specified Systems – Make - Model - Location	NA		
A copy of windows	NA		
A copy of water tank warranty	NA		
A copy of septic tank warranty	NA		
Installer Check Sheet	N		

If specified supporting documentation has not been provided,	what alternative information or verification method has been provided to
compensate. (describe):	

easons for decision: ace has been installed as per consented documentation g officer: Co- reviewer.	not been issued, what action has been taken to ensure the has not been issued, the Code Compliance Certification or PIM that have not been completed. Outling a paid outstanding? (If Yes, CCC cannot be issued so a CCC cannot be issued) or Refuse Code Code documentation	nce Certificate cann ed. Outline:	Yes Yes Yes	Suspend No No
If the draft' revised compliance schedule has not been issued, the Code Complian of CCC until this matter is addressed. Ing Consent Requirements are any item specified in the building consent or PIM that have not been complete are any development impact fees to be paid outstanding? (If Yes, CCC cannot be are any other outstanding fees? (If Yes, CCC cannot be issued) In the draft' revised compliance compliance is addressed. In the draft' revised compliance is addressed. In the draft' revised, the Code Compliance is addressed. In the draft' revised, the Code Compliance is addressed. In the draft' revised, the Code Compliance is addressed. In the draft' revised compliance is addressed. In the draft' revised, the Code Compliance is addressed. In the draft' revised compliance is addr	not been issued, what action has been taken to ensure the has not been issued, the Code Compliance Certification on PIM that have not been completed. Outling a paid outstanding? (If Yes, CCC cannot be issued as, CCC cannot be issued) or Refuse Code Code documentation Co-reviewer: Signature Date: 12/106/15	ed. Outline:	Yes Yes Yes	Suspend No No
If the draft/ revised compliance schedule has not been issued, the Code Complian of CCC until this matter is addressed. Ing Consent Requirements are any item specified in the building consent or PIM that have not been complete are any development impact fees to be paid outstanding? (If Yes, CCC cannot be reany other outstanding fees? (If Yes, CCC cannot be issued) In Code Compliance Certificate? In the paid outstanding? (If Yes, CCC cannot be issued) In Code Compliance Certificate? In the paid outstanding or the paid outstanding? (If Yes, CCC cannot be issued) In Code Compliance Certificate? In the paid outstanding? (If Yes, CCC cannot be issued) In Code Compliance Certificate? In the paid outstanding? (If Yes, CCC cannot be issued) In Code Compliance Certificate? In the paid outstanding? (If Yes, CCC cannot be issued) In Code Compliance Certificate? In the paid outstanding? (If Yes, CCC cannot be issued)	onsent or PIM that have not been completed. Outline paid outstanding? (If Yes, CCC cannot be issued s, CCC cannot be issued) or Refuse Code Code documentation Co-reviewer: Signature Julio Date: 12/06/15	ed. Outline:	Yes Yes Yes	Suspend No No
and CCC until this matter is addressed. Ing Consent Requirements In any item specified in the building consent or PIM that have not been complete In any development impact fees to be paid outstanding? (If Yes, CCC cannot be In any other outstanding fees? (If Yes, CCC cannot be issued) In any other outstanding fees? (If Yes, CCC cannot be issued) In any other outstanding fees? (If Yes, CCC cannot be issued) In any other outstanding fees? (If Yes, CCC cannot be issued) In any other outstanding fees? (If Yes, CCC cannot be issued) In any other outstanding fees? (If Yes, CCC cannot be issued) In any other outstanding fees? (If Yes, CCC cannot be issued) In any other outstanding fees? (If Yes, CCC cannot be issued) In any other outstanding fees? (If Yes, CCC cannot be issued) In any other outstanding fees? (If Yes, CCC cannot be issued) In any other outstanding fees? (If Yes, CCC cannot be issued) In any other outstanding fees? (If Yes, CCC cannot be issued) In any other outstanding fees? (If Yes, CCC cannot be issued) In any other outstanding fees? (If Yes, CCC cannot be issued) In any other outstanding fees? (If Yes, CCC cannot be issued) In any other outstanding fees? (If Yes, CCC cannot be issued) In any other outstanding fees? (If Yes, CCC cannot be issued) In any other outstanding fees? (If Yes, CCC cannot be issued)	paid outstanding? (if Yes, CCC cannot be issued s, CCC cannot be issued) or Refuse Code Code documentation Co-reviewer. Signature Date: 12/06/15	ed. Outline: be issued)	Yes Yes Yes	No No
ere any item specified in the building consent or PIM that have not been complete ere any development impact fees to be paid outstanding? (if Yes, CCC cannot be ere any other outstanding fees? (if Yes, CCC cannot be issued) on Code Compliance Certificate? or Refuse easons for decision: ace has been installed as per consented documentation g officer: Co-reviewer:	paid outstanding? (if Yes, CCC cannot be issued s, CCC cannot be issued) or Refuse Code Code documentation Co-reviewer: Signature Date: 12/06/15	pe issued)	Yes Yes	No No
ere any development impact fees to be paid outstanding? (If Yes, CCC cannot be one any other outstanding fees? (If Yes, CCC cannot be issued) on Code Compliance Certificate? or Refuse easons for decision: ace has been installed as per consented documentation g officer: Co-reviewer:	paid outstanding? (if Yes, CCC cannot be issued s, CCC cannot be issued) or Refuse Code Code documentation Co-reviewer: Signature Date: 12/06/15	pe issued)	Yes	No
ere any development impact fees to be paid outstanding? (If Yes, CCC cannot be one any other outstanding fees? (If Yes, CCC cannot be issued) on Code Compliance Certificate? or Refuse easons for decision: ace has been installed as per consented documentation g officer: Co-reviewer:	paid outstanding? (if Yes, CCC cannot be issued s, CCC cannot be issued) or Refuse Code Code documentation Co-reviewer: Signature Date: 12/06/15	pe issued)	Yes	No
Code Compliance Certificate? √□ or Refuse easons for decision: ace has been installed as per consented documentation g officer: Co- reviewer:	Co- reviewer. Signature Date: 12/06/15	e Code Compliance	Cartificate?	,
easons for decision: ace has been installed as per consented documentation g officer: Co- reviewer.	Co- reviewer. Signature Date: 12/06/15		OCHURUSIE! L	
g officer: Co- reviewer:	Co- reviewer. Signature Dalaco Date: 12/06/15			700
*	Signature Dalue Date: 12/06/15			
ire: SignatureQ)	Date: 12/06/15			
	Date: 12/06/15	Unon (M	11 certiles	Solmi
	Name: Russell Brook		1 R	Brook
Craig Watson Name: Russell Bro		ook		
	nedule Statement, and CCC placed on file.	IV/A	Yes	No

FOR COUNCIL USE: APPROVING OFFICER/ COMMENTS DEPARTMENT TICK FOR DATE REFERRAL Resource Consents (refer PIM Sheet) Plumbing and Drainage Building Fire Design Compliance Schedule Environmental Health Site- Foopath & Entrance Conditions Scholy soil. - close fixed oriental tradition on R/H Boundary 1-8m - 1.8m Paling force, an near boundary, rate on proposed pool side Placed 11/6/67



Building Consent No.	070637
Building Project	Swimming Pool / Atter retering was
Location	12 Murray Court, Poragaraumy.
Building Category	Circle appropriate category (1) 2 3

	Checklist	
	Name & Signature	Date
Checked, date stamped and initialled by TO/BCO. Select and circle appropriate category above & identify allocation to appropriate technical groups.		
Pages numbered by TO/BCO		11/4
Payment taken and receipted (details entered inside this cover sheet) by CSO	HARy Helen	7/6
Data entered and invoiced by CSO	Hele War	7/6.
BC Application and documentation scanned, checked & status update by CSO		
BC Application signed over to BC	T Parties	7/6
Application reviewed by identified Technical Officers who sign off at back of this form	Shullyn	7/7
Once Technical review complete, passed to CS for Plan Production and Invoicing		
CSO checks data entry input, including required inspections		
BC, plans and other appropriate paperwork produced by CSO		
BC, plans and other appropriate paperwork produced by CSO		
BC, Endorsed plans and appropriate paperwork sent to applicant or agent with receipt by CSO		
Inspection envelope prepared by CSO with endorsed plans and other appropriate paperwork and filed to cabinet,		

KCDC Form 123 ver. 1

CONSENT DATA INPUT REQUIREMENTS

REQ	UIRED INSPECTIONS	32	1	Lapse and cancellation	23		Installation of solid fuel
V	FoundationPiles		V	after 12mths of consent			appliance (wood burner) comply and secured
	Block	2	1	Engineer design specific components	23A		Second hand wood burner certified
V	Pre-Slab (Plumbing)	3	1	Foundations to solid bearing of 200mm	25	1	Contractor to leave site clean and clear
	Sub-Floor	4		NZS3604 as acceptable solution in terms of NZ	30		To comply with Food Hygiene Regulations 1974
	Drainage	6		Building Code Not approved as	31		As in CCZ, all fixings need
	Pre-Wrap			Habitable Room	2010		to be stainless steel
	Pre-Clad	9	V	Note and comply with all endorsements on approved plans	33		Approval only given for relocation purposes
	Pre-Clad	10		Names and Registration	34		If cladding to have pre-
	Weathertightness			of plumber and drain- layer required			finished colour coating, to be appropriate for coastal conditions
ij	Pre-lining (Building)	11		Concealed soil and TV	38		Window sashes on upper
	Pre-lining (Plumbing)			pipes and gas flues only allowed in ducts or minimum framed		*	levels less than 760mm above floor to have stays fixed
	Wet areas - membrane	12		Hot & Cold water pipes	39		Construction of
	Post Lining			tested to 1500kPa			playground to comply with NZS5828
- N	Brick Veneer	13		Roof stormwater to be connected to existing	40	1	Fencing, gates, doors directly leading to
V	Retaining Wall			The second secon		V	swimming pool to comply with Pool Act 1987
\checkmark	Final (Dwelling)	14		Copper water pipes not permitted	43		Textured systems should be applied by licensed.
	Final (Commercial &Multi-resd)						trained applicators – supply warranty
		15		Owner/builder to ensure prop foundation height will allow satisfactory connection	44		Exterior cladding system to be completed and inspected prior to internal lining
		21		Minimum FFL to comply with NZS3604			

STANDARD CONSENT CONDITIONS					
37					
72					
80					

NON-STANDARD ADDENDA	

FOR OFFICE USE ONLY

FEES	152 00	APPLICATION FEE \$
Building Fee	s. 635-00	\$1/28-00
Sewer Connection	\$	RECEIPT NO DATE
Water Connection	\$	218166
Vehicle Crossing	S	INVOICE NO DATE
Damage Deposit	s. 440°00	44245
Code Compliance Administration	\$	RECEIPT NO DATE
Building Research Levy	\$	
Development Levy	\$	FEES PAID BY:
DBH Levy	S	AR Schlegel.
Compliance Schedule	S	0
Digital Storage Fee	\$ 35-00	BUILDING CONSENT DATE ISSUED NUMBER
Certificate of Title Charge	\$	
Photocopying	\$	
SUBTOTAL	\$ 1128 00	AUTHORISATION FOR REFUND OF DEPOSIT
Less Fee Paid	\$1128-00	Deposit held = \$
TOTAL	/	Cost to Repair Damage Caused During
GST INCLUDED	\$ 75.45	Construction = S Total Balance to be Refunded
		Authority Number:
		Authorised: DATE:



KCDC CODE COMPLIANCE REVIEW CHECK SHEET

Criteria: All building work except for minor works or major projects. Refer BI-WI-024

Address: 12 morror court. De		Date: 3/9/09.		
Address: 12 monar court.	BC No:	5706	37	
application for code compliance certificate (Form 278) completed	®	T	N	
Confirm all required inspections have been completed and passed:	Ans	wer: Ye	s or No	
	,			
Work in accordance with approved consent and approved amendments	17	(Yes	No	
If no, has NTF been issued:	NIA	Yes	No	
Have items of non compliance been resolved and NTF uplifted.	M/A	Yes	No	
Note: If work is not in accordance with consent, (and approved amendments) or NTF maresolved, suspend application for Code Compliance Certificate Supporting documentation required in building consent addenda (Accepted Record Completed Auring BC Approval process	cept in acci			
Tick (√) indicates yes, N/A indicates considered - but not applicab	lo Req'd	Supplied	Accep	
constant and an artist and a second a second and a second				

Tick (√) indicates yes, N/A indicates considered - but not applicable	Re	q'd	Supplied	Accept
copy of electrical certificate	-	-		_
copy of gas certificate	-	/A		
an "as-built" drainage plan	1	(A		
plumbing (Form 125) for pressure test and installation piped services	17	IA.		
drainage (Form 126) for stormwater installation	danie.	12		
drainage (Form 127) for private sewer installation		IA		
a Construction Review (PS4) statement for Structural engineering	-	-	_	_
a Construction Review (PS4) statement for Fire engineering		/ A		
a Construction Review (PS4) statement for Geo-technical engineering	10	1/3		-
Roof cladding warranty	1			
Solar water heating technical specifications		-	-	
wall cladding/texture coating installation applicator warranty	1	V.		-
a copy of the lift certificate	w	1		
a certificate from the fire alarm installer		-		
a certificate from the sprinkler installer	5-1	1		
a copy of wet-area membrane installers warranty	100	1		_
A copy of deck membrane manufacturer's installers warranty/guarantee				-
FPIS (verifier) Fire Systems Certification		1/4		
	-			

KCDC CODE COMPLIANCE REVIEW CHECK SHEET

Allan Kullenaer is not e	cribe):	610	(D) (c)
	11000	517	Jirac
however, he is known to	nen	Gad	
works are of a minor	nature		
-			
Compliance Schedule			
Is a new or amended compliance schedule required?		Y	N
If "Y" Has it been issued? (Refer note below)		Y	N
If the new/revised compliance schedule has not been issue	l, what action has been	taken to	ensure
it will be issued? Outline:			
***************************************			*********
Outline:			
Oufline:			
	Yes No Wyes, CCC	cannot be i	(snued)
there any development impact fees to be paid outstanding?		-	-
there any development impact fees to be paid outstanding?		-	snued)
there any development impact fees to be paid outstanding?		-	-
there any development impact fees to be paid outstanding?		-	-
there any development impact fees to be paid outstanding? rove to issue Code Compliance Certificate if all other of Building officer.	ntstanding fees are pa	-	-
there any development impact fees to be paid outstanding? Trove to issue Code Compliance Certificate if all other of the certificate in the certificat	ntstanding fees are pa	-	-

Application

ORCA Boals and Pools Ltd No. 070637
13 Sheffield Street
Levin

Project

Description Swimming Pools & Spa Pools

Being Stage 1 of an intended 1 Stages Swimming Pool/Alter Retaining Wall

Intended Life Indefinite, but not less than 50 years.
Intended Use Residential

Estimated Value \$1

Location 12 Murray Court, Paraparaumu

Legal Description LOT 4 DP 83038 Valuation No. 1527258501

Builder: Scafe and Sons (Retaining Wall)

Contractor: Ordia Boats and Pools Ltd. 13 Sheffield Street, Levin :

0274505018

General Requirements

- a) The District Inspector is to be given 24 hours' notice before carrying out the following inspections:
- Foundations
- Pre-slab
- Retaining Wall.
- Final Inspection.
- b) To arrange for any of the above required inspections by the District Inspector, please contact the building inspectorate on (04) 298 5139 between the hours of 8.00am and 4.30pm

- LAPSE AND CANCELLATION OF BUILDING CONSENT. A building consent shall lapse and be of no effect if the building work concerned has not been commenced within 12 calendar months after the date of issue. Or within such further period as the territorial authority allows.
- The Inspection of all specific design components of the building is the responsibility of the Design Engineer who is also required to supply a written report to Council
- All foundations are to be to solid bearing minimum of 300mm.
- Note and comply with endorsements on approved plans.
- Contractor to leave site clear of all demostion materials and in a tidy state.
- All fending, gates, doors etc plus area directly within pool area are to comply with requirements of New Zealand Fending of Swimming Pools Act 1987.

I have read the foregoing addends to application, and the Owner/Builder/Authorised Person hereby agrees to comply with them.

OWNER/BUILDER/ AUTHORISED PERSON

Date:

Application

7 15 77774107511		
ORCA Boats and Pools Ltd	No.	070637
13 Sheffield Street		
Levin		

Project

Description	Swimming Pools & Spa Pools	
	Being Stage 1 of an intended 1 Stages	
	Swimming Pool/Alter Retaining Wall	ľ
Intended Life	Indefinite, but not less than 50 years	
Intended Use	Residential	
Estimated Value	\$ 1	
Location	12 Murray Court, Parapareumu	
Legal Description	LOT 4 DP 83038	
Valuation No.	1527258501	

Builder: Scarle and Sons (Retaining Wall)

Confractor: Orcia Boats and Pools Ltd 13 Sheffield Street, Levin :

0274505016

General Requirements

- The District Inspector is to be given 24 hours' notice before carrying out the following inspections:
- 1. Foundations
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- The inspection of all specific design components of the building is the responsibility of the Design Engineer who is also required to supply a written report to Council
- All foundations are to be to solid bearing minimum of 300mm.
- Note and comply with endorsements on approved plans.

2

- 5 Contractor to leave site clear of all demolition materials and in a tidy state.
- All fencing, gates, doors etc plus area directly within pool area are to comply with requirements of New Zealand Fencing of Swimming Pools Act 1987.

I have read the foregoing addends to application, and the Owner/Builder/Authorised Person hereby agrees to comply with them.

OWNER/BUILDER/ AUTHORISED PERSON

Date:

Inspection Advice



- Engineer Civil/Structural/Fire/Geotechnical: When projects contains elements specific
 design by an engineer then the owner/builder is required to ensure that all engineering
 containing specifically designed work to be inspected and to provide KCDC with written
 evidence of the inspections including a construction statement (PS4) those inspections are
 carried out. A construction statement (PS4) is required to be supplied to Council.
- Site: The owner/builder is responsible for clearly defining the site boundary lines and pegs.
 This may require a survey. Note: established fences are not necessarily on the site boundary.
- Foundation: When all formwork has been completed, footings have been excavated and reinforcement is in place. Piles - When all holes are excavated prior to installation.
- Block: When all masonry block work including block foundations for slab floors is completed, reinforcing in place and washout openings in place.
- Pre-slab plumbing (concrete slab): When all plumbing and drainage pipes have been installed prior to backfilling.
- Pre-slab building (concrete slab): When DPM has been placed with all laps and penetrations sealed, reinforcing in place and in position with chairs as appropriate.
- Sub-floor (timber suspended): When all sub-floor connections, joists and required blocking, and any suspended plumbing pipe work have been completed, but before any flooring or base boards have been fitted. Relocated dwellings require a sub-floor inspection prior to the base boards being fitted.
- Drainage: When all drainage works is completed and is under test, before backfilling occurs.
 As laid drainage plan is required at time of inspection.
- Pre-wrap: When all roof and wall framing is complete, including any exterior sheet bracing, but before building wrap has been installed.
- 10. Pre-clad: When building wrap and window and door flexible flashing tape has been installed, cavity battens (cavity systems), cavity closers and all flashing systems are in place, but before joinery has been installed. Pre-stucco when all reinforcing and flashings are being installed.
- Weathertightness: When exterior cladding has been installed, flashings in place, air-seals fitted to openings, but before any coating system has been applied.
- Pre-line (building): When the exterior of the building is weather tight, all structural components (including bracing) have been completed and wall insulation is in place.
- Pre-line (plumbing): When all internal plumbing is complete and plumbing pipe work is under test pressure.
- 14. Wet area membranes, decks, roof, and shower area: Pre application of wet area membrane, when all outlets and flashings have been installed, ready for membrane installation. Post application of wet area membrane.
- Post-line: When all interior linings have been installed, but before skirting, Scotia or plastering stopping. Installation details of screws check of wall bracing element.
- 16. Brick veneer: When veneer is at half-height and all flashings are in place.
- Retaining wall: Pre application of waterproof membrane system. Post application of waterproof membrane system. Protection installed for membrane system and installation of perforated drainage system before back filling.
- 18. <u>Final:</u> Final inspections are carried out at completion of project and may include entire project, plumbing, drainage, stormwater. The Code Compliance Certificate is issued if the building work complies with the approved building consent.
- Final (multi-unti & commercial): As in 17, but all fire protection, fire systems, alarms and emergency lighting, if applicable, must be completed, operational and certified as necessary.

Building Consent Number: 070637

Applicant Name: Name Mr and Mrs Hildreth Project: Swimming Pool/Alter Retaining Wall

Location: 12 Murray Court, Paraparaumu

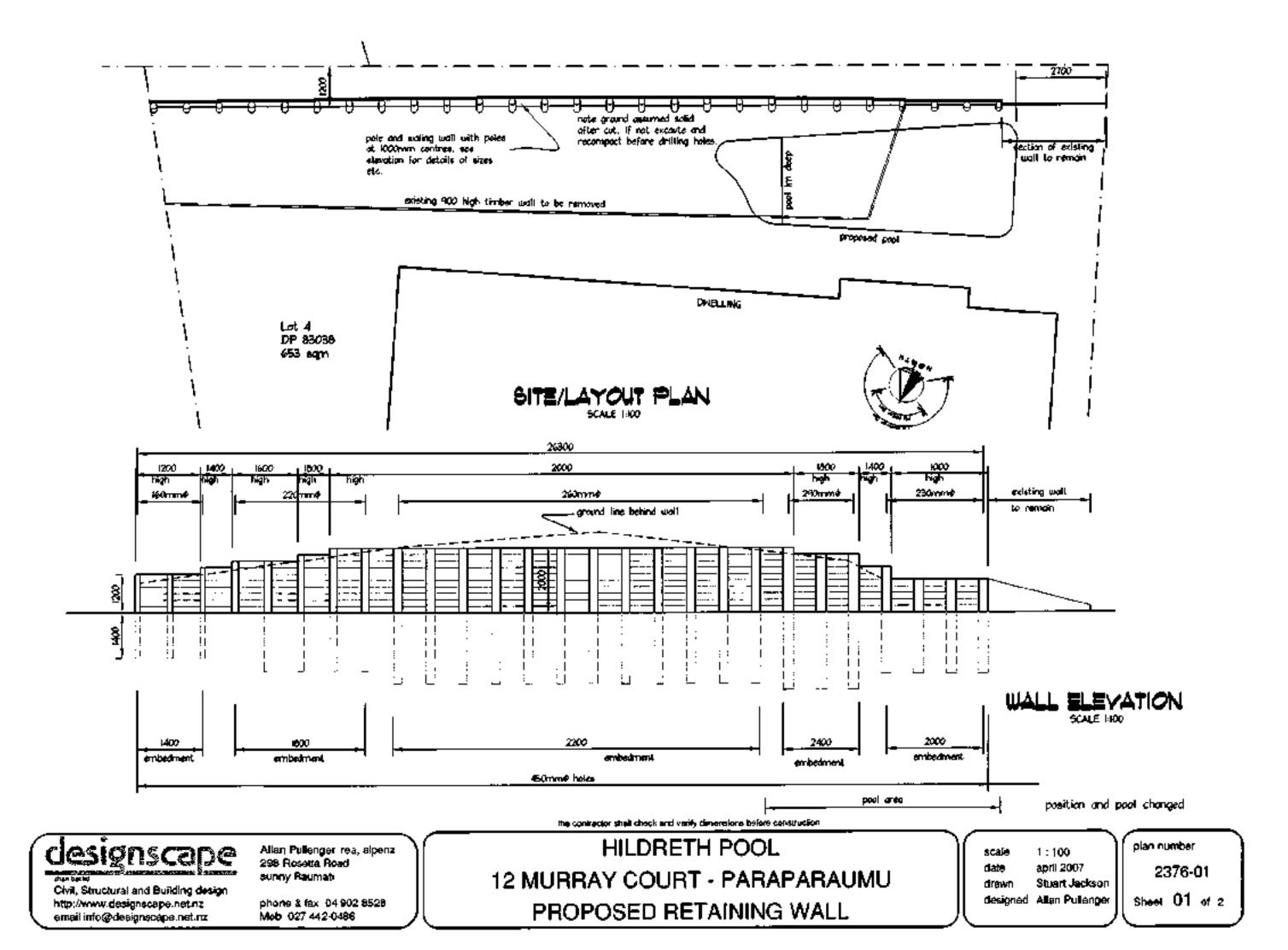
Legal Description:

Please note the list below, which identifies the inspections required for this project.

To ensure that a Code Compliance Certificate can be obtained at completion of your building project, these inspections must be carried out.

It is your responsibility to advise Council, giving 24 hours notice, when your project has reached the stage identified on the adjacent page to enable the inspection to be scheduled. This can be arranged by contacting Council on 04-2964-700 between the hours of 7.30am and 5.30pm Monday- Friday inclusive. Close off for booking inspections is 4.30pm on the day prior to the requested inspection.

Inspection	Required	Inspecting Officer	Date Inspected
Engineer	No		
Site/Pre Commencement	No	or	21
Foundation/Piles	Yes	Klh	13/9/2017
Block	No	1	
Pre-slab (plumbing)	No		
Pre-slab (building)	Yes		
Sub-floor	No		
Drainage	No		
Pre-wrap	No		
Pre-clad	No		
Weathertightness	No		
Pre-lining (building)	No		
Pre-lining (plumbing)	No		
Wet areas	No		ALCOHOL:
Post-lining	No		
Brick veneer	No	Metallia Alex	
Retaining wall	Yes		
Final	Yes		
Final (Commercial)	No		





CALCULATIONS

FOR THE RETAINING WALL

AT 12 MURRAY COURT

FOR MR AND MRS HILDRETH

april 2007

job number 2376

prepared by DESIGNSCAPE shark but had 298 rosetta road sunny raumati allan pullenger rea, a.lpenz



GENERAL

These calculations are specific to the above contract, and shall not be used elsewhere.

Footing sizes are shown on the plan, or on the attached calculation sheet.

All work will be carried out by, or under the control of, competent tradesman experienced in the type of work.

All material shall be of the best quality and condition.

TRW SPECIFICATION FOR TIMBER RETAINING WALL

TRW 00 GENERAL

All workmanship shall be to best trade practice, and materials shall be of first quality. Set out work accurately from the plans supplied.

TRW 01 MATERIALS

Timber shall be rough sawn, unless otherwise stated, H4 treated, structural grade. Concrete shall be 17.5 Mpa ordinary grade.

TRW 02 CONSTRUCTION

The wall shall be constructed at a slope of 10 vertical to 1 horizontal, leaning back against fill.

Posts/ poles shall be sizes shown on plans or calculations, placed at centres given, and embedded to the distance shown from the front of the hole, and concreted in. Hole sizes are generally 400 or 600 mm diameter.

Walings shall be ex 200mm by 50mm thickness, placed and nailed to posts. Joints for rough sawn shall be staggered over posts, and shall be mitre cut. If using tongue and groove timber, the joints may be placed between posts, but shall be staggered such that the next joint above is not between the same posts.

All out timber surfaces shall be treated with METALEX. Walings are on the inside of posts.

Backfill the wall with site material. Spread and compact fill to 90% dry density.



shark balt fld

298 Rosette Roed Resmett phone D4 902 8528 or 025 420 488



kN\m⁸ kN\m²

Cantilever Pole Design

NAME

Hildreth

LOCATION :

12 Murray Court

2000

JOB

100

2376

DATE

20/04/2007

unless otherwise stated no soil testing has been done these calculations do not allow for permanent garden watering systems

0.011	 	
SCH	EL LERS	
3016	METERS	

wall soil type		sand
soil (wall)		30
wall slope	CE.	96
back slope	В	20
wall friction	5	20.00
active coefft	Ka	0.353
soil density	Ψ	17
surcharge	5	1
soil (ftg.)		25
passive coefft	Кр	4.597

WALL PARAMETERS

Wall Height	н	2	m
Pole spacing	5	1	m

DESIGN ACTIONS

live load factor		1.6	
design bending moment for each pole	M*	13.5	kNm
design shear force for each pole	V*	20.3	IcN
overturning moment	Movt		

BENDING

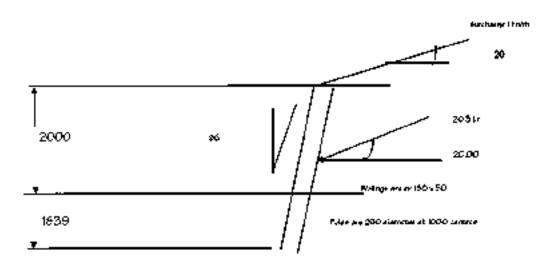
pole diameter	D	260 n	nm
timber strength reduction factor	4	0.8	
duration of load factor	K ₁	0.6	
shaving & trimming factor	Kan	0.85	
presevative treatment factor	k21	0.9	
wet use conditions factor	K ₂₂	1	
bending stress	FD	3B N	tpa
section modulus	Z	1725520 n	nm³
design strength	≬M⊓	24.1 k	Nm

SHEAR

OTTEN TO			
pole diameter	D	260	mm
timber strength reduction factor	0	0.8	
duration of load factor	K _t	0.6	
shaving & trimming factor	k ₂₀	0.85	
presevative treatment factor	K21	0.9	

K ₂₂	1	
fc	3.1 M I	рa
Aş	44244 mi	m
∳V ā⊓	50.4 kN	1
0	9,45 ⊞	
	1.6 m	
•	0.5	
5	40,0 KP	'a
Pa	6.00	
a	Ф,00 гл	
¥	Q.67 m	
¢	47.5	
Y	1.8 m	
н	1.8 m	ı
	2 m	
	0.05 m	
	Q,18 m	
κα•₩•δ	2.16 km	٧m
WL^2/B	0.27 km	m
bd*3/12	1.88E-06	
PW MY/I	3598 k p	a
	fc As As As As As As A C Y H KOPPS WL^2/B Dd^3/12	fc 3.1 M/As 34244 m 4244 m 54.4 km 54.4 km 54.4 km 54.4 km 54.4 km 54.5 m 6.00 m 6.00 m 7 0.67 m 6 0.67 m 6 47.5 m 6 47.5 m 1.8 m 6 1

Waling size 180 by 50



Помперациям (у. 400 годи учестве во

DIAGRAM OF WALL

2376

désignscape 2/10



shart barillo

200 France Fran France parts 34 337 6556 in 565 469 486

Cantilever Pole Design

NAME : Hadreth

LOCATION: 12 Murray Court 2000

JOB : 2576

DATE : 20/04/2007

unless otherwise stated no soft testing has been done

these calculations do not allow for permanent garden watering by stome

SOIL PARAMETERS

wall soil type		papet.	
soli (walfi	•	30	
wall slope	α	9 6 •	
back slope	В	۰. *	
wall friction	*	20.00	
active coefft	Ka	0.291	
soll density	¥	;7 kN/d	π‡
surcharge	5	ı KM in	η±
şóli (ftg.)	•	25 *	
passive coefft	Kρ	4,597	

WALL PARAMETERS

Waii Height	н	2	m
Pole spacing	5	1	m

DESIGN ACTIONS

Irve load factor		1.6	
design bending moment for each pole	₩*	11.2	kNm
design shear force for each pole	٧٠	16.8	KN
overturning moment	MOVE		

BENDING

pole diameter	D	220 mm
timber strength reduction factor	+	Q . B
duration of load factor	K _I	v.6
shaving & trimming factor	K ₂₀	0.85
presevative treatment factor	k _{i1}	Q.9
wet use conditions factor	K22	1
bending stress	fb	se Mpa
section modulus	Z	1045365 mm ²
design strength	∳M n	14.6 kHm

SHEAR

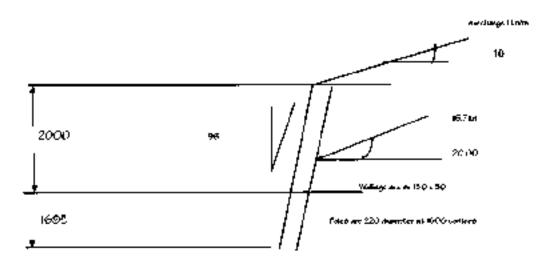
D	220 mm
•	Q- 8
k₁	Q.6
k _{⊅0}	0.85
k ₂₁	0.9
	♦ Ka kao

designscrape 340

Cantilever Pole wall 2376.xis

wet use conditions factor	k ₂₇	ι	
shear stress	tc	3.1	Mpa
shear area	As	31678	mm
design strength	φ¥f∩	34.1	KN
EMBEDMENT DEPTH			
hole diameter	D	0.45	Πή
embedment depth		1.7	m
soli strength reduction factor	∳ 5	0.5	
soil pressure	\$	36.8	K P a
Passive Force	Pa	4.95	
	a	0.00	m
	γ	067	Ш
	c	47.5	
	Y	1.7	m
Embedment depth	н	1.7	m
WALING SIZE			
For Depth		2	m
Walling Thickness		0.05	m
walling depth		0.18	m
Walling Force	ran•ly+δ	178	kn/m
Moment Max	WL*2/8	0.22	knm
1	bdr3/12	1.88 E-0 6	
Stress in Walling	FW MY/I	2972	kpa

Waling size 180 by 50



Ромесияным «ЭС так жителе

DIAGRAM OF WALL

2376

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shark bart Rd

798 Francia Fran Barmani phone 04 802 8518 or 025 410 486

Cantilever Pole Design

NAME : Hildreth

LOCATION : 12 Murray Court 1500

JOB : 2376

DATE : 20/04/2007

visions otherwise at atom no see tenting has been done

these calculations do not allow for pertuarent garden watering systems

SOIL PARAMETERS

wall soil type		mand.
soli (waji)	+	20 *
wall slope	Œ	36 *
báck slópé	Ď.	:0 *
wall friction	8	29.40
active coefft	Ká	0.291
soli density	v	±9 kH /m ^{\$}
surchange	5	1 KMnm²
soli (ftg.)	*	25 *
passive coefft	Kp	4.597

WALL PARAMETERS

Wali Height	H	1.6	m
Pole spacing	\$	T	m

DESIGN ACTIONS

live load factor		1.6	
design bending moment for each pole	M*	4.7	KMm
design shear force for each pole	۸۰	8.4	km
overturning moment	MOVE		

BENDING

pole diameter	D	160 mm
timber strength reduction factor	+	0.8
duration of load factor	K ₁	a. 6
shaving & trimming factor	Kza	0.85
presevative treatment factor	K ₂₁	0.9
wet use conditions factor	Kap	l.
Dending stress	îD	28 M pa
section modulus	Z	402124 mm³
design strength	∔Mn	5.6 kNm

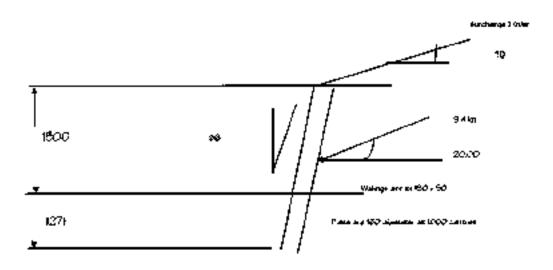
SHEAR

pole diameter	Ď	160 m m
timber strength reduction factor	+	0.8
duration of load factor	k,	0.6
shaving & trimming factor	K₂a	0.85
presevabve treatment factor	k ₂₁	0.9

designscrape 540

wet use conditions factor	k ₂₂	1	
shear stress	†c	3.1 M P	a
shear area	Aş.	16755 mit	n
design strength	ψV⊓	19.1 KN	
EMBEDMENT DEPTH			
hole diameter	o	0.45 m	
embedment depth		1.3 m	
soil strength reduction factor	P	0.5	
soli pressure	S	27.8 kPa	•
Passive Force	Pa	4,95	
	а	Q.QQ q1	
	У	Q.50 m.	
	C	47.5	
	Y	1.5 m	
Embedment depth	н	1.3 m	
WALING SIZE			
For Depth		1.5 m	
Waling Thickness		0.05 m.	
Waling depth		0.18 m	
Waling Force	રહા•મુ∙ઈ	1.34 kn/	m
Moment Max	W/L*2/B	0.17 knr	m
1	bd*3/12	1.88E-06	
Stress in Waling	PW MY/I	2729 kpa	à

Waling size 180 by 50



Г_{сто}рфжиод ју 400 mar ациорија

DIAGRAM OF WALL

2376

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sheet there and

198 Formus Food Resmak. phone (no 200 886) o (105 40) 456.

Cantilever Pole Design

NAME : Hildreth

LOCATION: 12 Murray Court pool 2

JOB : 2376 Out of ground 1:

DATE : 20/04/2007

unlass otherwise stated no spil testing has been done

those calculations do not either for permanent glanden watering systems.

SOIL PARAMETERS

wall soil type		sand
spit (watt)	0	50 °
wall slope	u	56 °
back slope	ρ	10 0
wall friction	δ	20.00
active coefft	Ка	0.291
soil density	ν	17 k Mun^s
surcharge	\$	L KMVn1²
soll(ftg)	0	25
passive coefft	Кр	4.597

WALL PARAMETERS

Wall Height	н	2.8	m
Pole spacing	\$	1	æ

DESIGN ACTIONS

live load factor		1.6	
design bending moment for each pole	w.	30.7	kram
design shear force for each pole	v	32.9	km
overturning moment	Movt		

BENDING

pole diameter	D	290 mm
timber strength reduction factor	ø	0.6
duration of load factor	k ₁	0.6
shaving & brimming factor	k ₂₀	0.45
presevative treatment factor	k ₂₁	0.9
wet use conditions factor	k ₂₂	L
bending stress	fb	38 Mpa
section modulus	Z	2394384 nim ¹
design strength	∔M ⊓	33.4 KRITI)

SHEAR

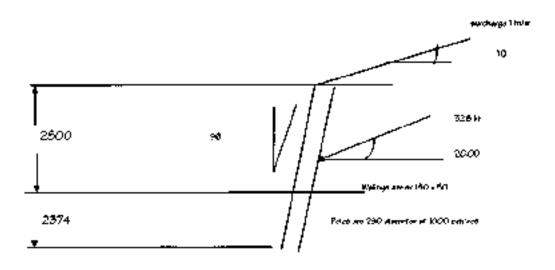
pole diameter	D.	290 mm
timber strength reduction factor	•	0.6
duration of load factor	K ₁	0.6
shaving & trimining factor	K ₂₀	0.85
presevative treatment factor	K ₂₆	0.9

designscape 7/10

Cantilever Pole wall 2376 xis

wet use conditions factor	K ₁₂	1	
shear stress	fc	3.1 M	рa
shear area	As	55043 m	m
design strength	∔V ri	62.7 kJ	N
EMBEDNENT DEPTH			
hole grameter	0	0.45 m	1
embedment depth		2.4 m	1
soil strength reduction factor	•	0.5	
soil pressure	\$	51.5 Ki	Pa
Passive Force	Pa	4.95	
	à	0.00 m	
	∀	0.93 pr	1
	c	47.5	
	Y	2.4 m	1
Embedment depth	н	2.4 m	'n
WALING SIZE			
For Depth		2.8 m	١.
waling Thickness		0.05 m	١.
Waling depth		0.18 m	1
Waling Force	<0.4 ₩ 48	2.50 kt	nn/m
Moment Max	WL*2/8	0.51 kr	nm
1	pa^3/12	1. 88£-0 6	
Stress in waling	FW MY/	416 0 kg	60

Wailing size 180 by 50



Foundation (645) - Aureton

DIAGRAM OF WALL

2376

détignécapé 8/10



shart ball **S**d

200 Panggap Papa Papangai phone 04 902 8525 or 025 420 466

Cantilever Pole Design

NAME : Hildreth

LOCATION: 12 Murray Court pool 1

JOB : 2376 Out of ground 16

sund

DATE : 20/04/2007

unicoe atherwise state on techniques been deve

Those collectations do not allow for permanent garden watering by sten s

SOL PARAMETERS

wall soil type

50(I (Wall)	•	5 ₩ "
wall slope	α	96 *
back slope	ĝ	10
wall friction	8	20.00
active coefft	Ka	0.291
soil density	v	17 kNy m²
suncharge	\$	ı khirm²
soli (ftg.)	•	25 *
passive coefft	Кр	4 597

WALL PARAMETERS

Wall Height	н	2.2	m
Pole spacing	\$	1	ш

DESIGN ACTIONS

Irvé load factor		1.6	
design bending moment for each pole	M*	14.9	kr a m
design shear force for each pole	v·	20.3	KIN
overturning moment	Movt		

BENDING

pole diameter	D	230 mm
timber strength reduction factor	•	0.8
duration of load factor	K₁	0.6
shaving & trimming factor	K ₂₀	0.85
presevative treatment factor	k _{û1}	0.9
wet use conditions factor	K _{Z2}	L .
bending stress	fb	за Мра
section modulus	Z	1194 4 92 mm³
design strength	oMn.	16,7 kNm

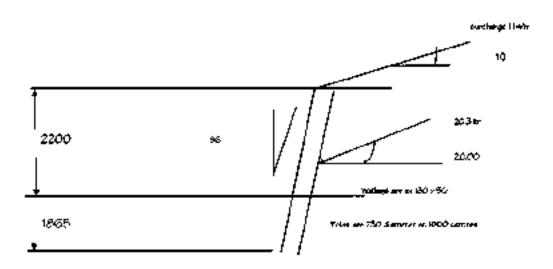
SHEAR

pole diameter	0	236 mm
timber strength reduction factor	•	0.8
duration of load factor	k,	0.6
shaving & trimming factor	k ₂₀	0.85
presevative treatment factor	k _{z1}	0.9

derignscape 940

wet use conditions factor	k ₂₂	1	
shear stress	Fc	\$.1 Mp	13
shear area	AS	34623 mm	n
deagn strength	۰Vn	39.4 KN	
EMBEDMENT DEPTH			
hole diameter	D	0.45 m	
embedment depth		1.9 m	
solistrength reduction factor	•	0.5	
soti pressure	\$	40.4 KPi	•
Passive Force	Pa	4.95	
	a	0.00 m	
	¥	0.73 m	
	Ċ	47.S	
	Y	1.9 m	
Embedment depth	н	1,9 m	
WALING SIZE			
For Depth		2.2 m	
Waling Thickness		0.05 m	
Waling depth		0.18 m	
Waling Force	ect+m+g	1.96 km	m
Moment Max	WL*2/8	025 km	m
1	bd*3/12	1.88E-06	
Stress in Walling	PW MY/I	52 6 9 kp:	a

Waling size 180 by 50

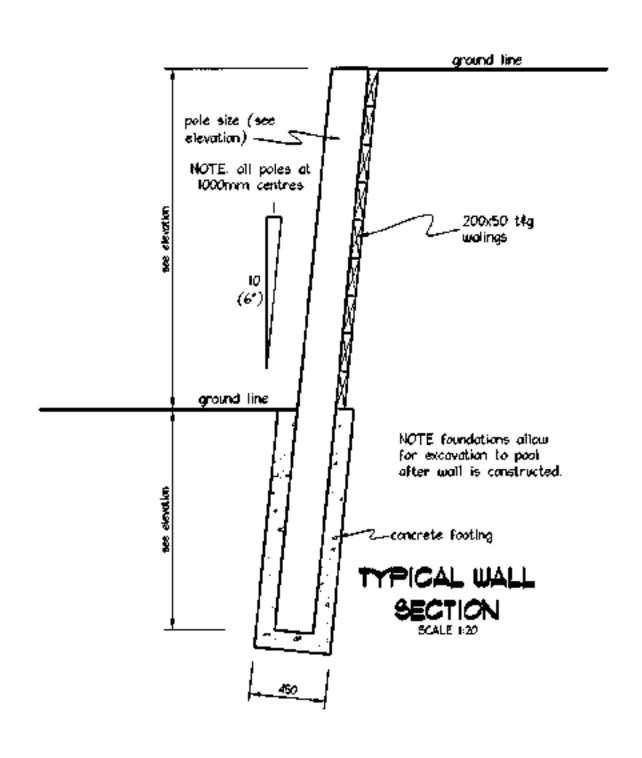


Powelesterie 450 mar Monterer

DIAGRAM OF WALL

2376

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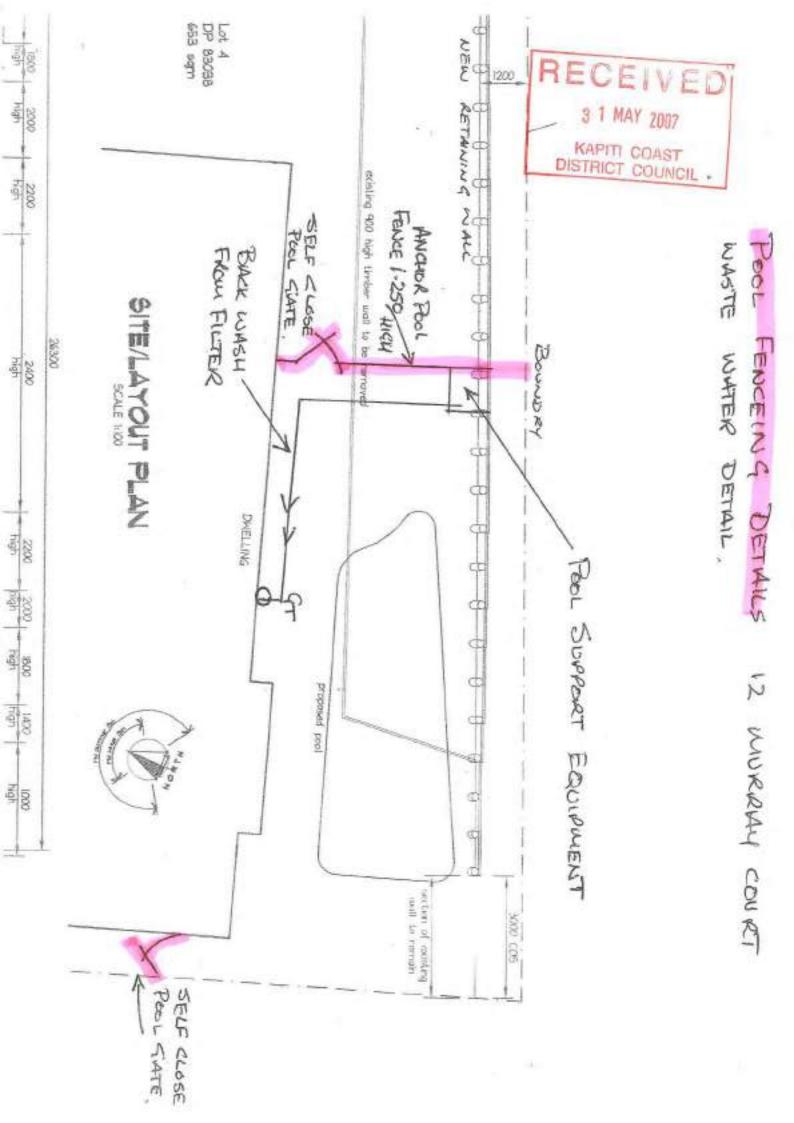


Cavil. Structural and Building design http://www.designscape.net.nz email into@designscape.net.nz

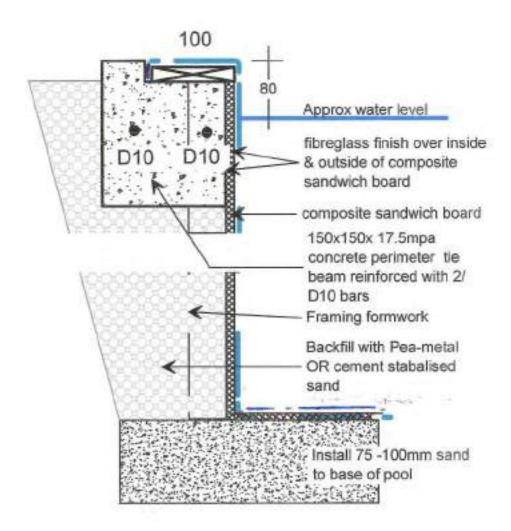
HILDRETH POOL 12 MURRAY COURT - PARAPARAUMU

Akan Pullenger rea, alpenz 298 Rosetta Road - Raumad phone & tax ()4 902-8529 Mob ()27 442-0486

scale 1:00 date sprt 2007 drawn Shaar Jacobs designed Affan Prifenger 7944 Norther 2375-01 st 02-d 2



PROPOSED FOOL INSTRUCATION MRINKS HILDRETH 12 MURRAY COURT LOT4 DP 83038 BOUNDRY NEW RETAINING WALL 3.7 1-580 .780 2.7 EXISTING HOUSE . BACK WASH FROM FILTER.





ANCHOR POOL FENCE



Northcote Point

Now folded top & bottom

GALVANISED

GALVANISED THEN POWDER COATED

1250mm High x 2400mm Long 1250mm High x 1800mm Long 50mm Square Line Posts Line Posts on Base Plates Gate Pack (Including posts 1030mm wide, pre-assembled)

Touch up paint available on request

WARNING: The regulations are subject to individual local body interpretation. It is up to the owner to ensure in each individual case that the pool fence meets the requirements of their local Council. This is the responsibility of the owner and should be confirmed by Council prior to installation. This fence complies with the Fencing of Swimming Pool Act 1987. The manufacturer however accepts no responsibility whatsoever for any accidents or mishaps in the construction of the fence or in the use of these products. It is the owners responsibility to ensure that the fence's construction complies with the local body regulations.

FOR ALL YOUR FENCING REQUIREMENTS

ORCA Boats & Pools Limited

Telephone: (06) 367 3888 Fax: (06) 368 1913 13 Sheffield Street, LEVIN www.boatsandpools.co.nz





PRODUCER STATEMENT - PS1 - DESIGN

Allan Bruce F		sionali		
	Mr & Mrs Hildreth			
то:	Kapiti Coast District	Council		
	Pole & Waling Retail			
	***************************************	9.		
	(Address)			
	A CARCINICA PARA PARA PARA PARA PARA PARA PARA PA			
sharkbalt-Ital	has been engaged by	own	(Owner/Developer/Contractor)	
tructural design		ices in respect o	f the	
lause(s) B1		e Building Regul	lations 2004 for	
□ All	Part on	ly as specified		
NATURAL CONTRACTOR CONTRACTOR				
The design has	oven prepared in decordance in		odjskaccepadie sokulons(sj)	
ne approved docume	ents issued by the Building Indu	stry Authority and	d the work is described	on
				d the
			lemnity Insurance to a	minimum
ents according to wh				
///				
By qualified Design Professional)		Date	29/05/2007	
NZCE, Rea		Date ERB/AERB F		
	charitrate that tructural design clause(s) B1 All rk. The design has the approved documents according to whom the site verification of the site verification of the site verification of the proprietary producents according to whom the site verification of the site verifi	Mr & Mrs Hildreth (Owner) Kapiti Coast District (Ferritorial Authority) Pole & Walling Retail (Description of Authority) 12 Murray Court Paraparaumu (Address) DP 83038 sharkbalt lts! has been engaged by tructural design Serv (Extent of Engagement) Clause(s) B1 of th All Part on rk. The design has been prepared in accordance we he approved documents issued by the Building Industrative documents according to which the building is at design professional covered by a current policy of a late of the	Mr & Mrs Hidreth (Drone) Pole & Waling Retaining Wall (Descriptor of Bushing Wort) 12 Murray Court Paraparaumu (Address) DP 83038 Sharthalt Hat has been engaged by own tructural design Services in respect of the Building Regul All Part only as specified rk. The design has been prepared in accordance with he approved documents issued by the Building Industry Authority and sharthalt had drawings titled Hildreth Pool and other documents according to which the building is proposed to be out the design professional covered by a current policy of Professional India. I BELIEVE ON REASONABLE GROUNDS that subject to: the site verification of the following design assumptions Ill proprietary products meeting the performance specification requires ents according to which the building is proposed to be constructed counts.	Mr & Mrs Hildreth (Daniel) Mr & Mrs Hildreth (Daniel) Mr & Mrs Hildreth (Daniel) Pole & Walling Retaining Wall (Description of Busing Word) 12 Murray Court Paraparatumu (Address) DP 83038 Particular Hild has been engaged by owner (Description of Busing Word) Tructural design Services in respect of the (Estent of Busing Regulations 2004 for All Part only as specified rk. The design has been prepared in accordance with B1 (perfection menoripal accordance with B1 (perfection menoripal accordance) The approved documents issued by the Building Industry Authority and the work is described shartbalt Ital drawings titled Hildreth Pool and numbered 2376 and other documents according to which the building is proposed to be constructed. It design professional covered by a current policy of Professional Indemnity Insurance to a b. I BELIEVE ON REASONABLE GROUNDS that subject to: the site verification of the following design assumptions Ill proprietary products meeting the performance specification requirements, the drawings, sents according to which the building is proposed to be constructed comply with the relevant

GUIDANCE ON USE OF PRODUCER STATEMENTS

This producer statement has been prepared by a combined task committee consisting of members of the New Zealand Institute of Architects, Institution of Professional Engineers New Zealand, Association of Consulting Engineers New Zealand and the Building Officials Institute of New Zealand.

Four producer statements are available and brief details on the purpose of each are as follows:

Design: Intended for use by the person responsible for the design in circumstances where the Territorial

Authority will rely on the producer statement to issue a Building Consent.

Design Review: Intended for use by a suitably qualified independent design professional where the Territorial

Authority does not undertake an internal review and relies on the independent design

professional's review to issue the Building Consent.

Construction: requires Intended for the use by the contractor of the building works where the Territorial Authority

a producer statement at the completion of construction.

Construction Review: Intended for use by the person required by the Building Consent to undertake construction

monitoring of the building works in circumstances where the Territorial Authority will rely on

the producer statement to issue a Code Compliance Certificate.

The producer statements system is intended to provide Territorial Authorities with reasonable grounds for the issuing of a Building Consent or Code Compliance Certificate without having to duplicate design or construction checking by others.

The following criteria are recommended to Territorial Authorities with respect to the use of the producer statements.

Definition of Suitably Qualified Design Professional

A suitably qualified design professional should have recognised qualifications and experience for the work undertaken and should be either:

- (i) an active member of the Association of Consulting Engineers New Zealand (ACENZ) or;
- (ii) a member of the Institution of Professional Engineers New Zealand (IPENZ) having a current policy of Professional Indemnity Insurance for a sum not less than \$200,000 or;
- (iii) a member of the New Zealand Institute of Architects (NZIA) having a current policy of Professional Indemnity Insurance for a sum of not less than \$200,000.

Design Build Contracts

If the design professional is engaged by the contractor, the territorial authority should satisfy itself that it is appropriate for the territorial authority to rely upon a producer statement from the design professional.

Consulting Services during Construction Phase

There are several levels of service which a design professional may provide during the construction phase of a project. The territorial authority is encouraged to require that the service to be provided by the design professional is appropriate for the project concerned.

Requirement to provide Producer Statement

Territorial Authorities should ensure that the applicant is aware of any circumstances in which there may be a requirement for producer statements for the construction phase of building work at the time the building consent is issued as no design professional should be expected to provide a producer statement unless such a requirement forms part of the design professional's engagement.

Attached Particulars

Attached particulars referred to in this producer statement refer to supplementary information appended to the producer statement.





P.I.M. No 70637

7005 Building Regulation Clause(s) B1, B2 (limited)

PRODUCER STATEMENT - PS4 - CONSTRUCTION REVIEW

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

ISSUED BY:	D BY: Allan Bri					
TO:	Mr & Mrs H				R	Iding Cor
TO BE SUPPLIED TO:	st District Cour	ilding for				
IN RESPECT OF:	TO THE STATE OF TH				0	10651
AT:		12 Murray	Court			
		Paraparaur (Ad	mu Mess)			
LOT 4	DP 83	038		so		
Designscape sharithatt that	been engage	ed by	owner		(Owner/Develops	(Contractor)
to provide struct	tural design and	inspection	services	8		
in respect of clause(s) B1, B	2 (limited) of the	a Building Rec	ulations 2004	for the buil	rlina work desc	ribed by the
drawings and specifications p			THE PROPERTY OF THE PARTY OF TH	10. 2.0 20.	aling more acco	noo oy me
titled Structural Details	and numbers		2376			
Authorised variation(s) No. n				ng the cour	se of the	
works, I have sighted Building					of building con	sent.
As an independent design pro						
value of \$200,000, I or persor			The same of the same in		No. 10 to the later of the late	
engagement and based upon	these reviews a	nd information	supplied by the	he contract	or during the co	urse of the works
BELIEVE ON REASONABL	E GROUNDS th	at 🗆 All	Par	t only as sp	ecified in the at	tached particulars
of the building work under the			respect to Clar	use(s)	B1 VM4	of the
Building Regulations 1992 ha	s been complete	d to the extent	t required by t	hat Building	Consent.	
1,1	1					
(Signature suitably (Califord Design	Professionaly			Date 28	08/2009	
NZCE Rea		ii zaniza ii saa	1	PENZ Reg	No 57930	
(Professional Questications)						
298 Rosetta Road Raumati	·		,	Member	CertETn	
(Address)						

GUIDANCE ON USE OF PRODUCER STATEMENTS

This producer statement has been prepared by a combined task committee consisting of members of the New Zealand Institute of Architects, Institution of Professional Engineers New Zealand, Association of Consulting Engineers New Zealand and the Building Officials Institute of New Zealand.

Four producer statements are available and brief details on the purpose of each are as follows:

Design: Intended for use by the person responsible for the design in circumstances where the Terntonal

Authority will rely on the producer statement to issue a Building Consent.

Design Review: Intended for use by a suitably qualified independent design professional where the Territorial

Authority does not undertake an internal review and relies on the independent design.

professional's review to Issue the Building Consent.

Construction: requires

Intended for the use by the contractor of the building works where the Territorial Authority

a producer statement at the completion of construction.

Construction Review: Intended for use by the person required by the Building Consent to undertake construction.

monitoring of the building works in circumstances where the Territorial Authority will rely on

the producer statement to issue a Code Compliance Certificate.

The producer statements system is intended to provide Territorial Authorities with reasonable grounds for the issuing of a Building Consent or Code Compliance Certificate without having to duplicate design or construction checking by others.

The following criteria are recommended to Territorial Authorities with respect to the use of the producer statements.

Definition of Suitably Qualified Design Professional

A suitably qualified design professional should have recognised qualifications and experience for the work undertaken and should be either:

- an active member of the Association of Consulting Engineers New Zealand (ACENZ) or:
- (ii) a member of the Institution of Professional Engineers New Zealand (IPENZ) having a current policy of Professional Indemnity Insurance for la sum not less than \$200,000 or:
- (lii) a member of the New Zealand Institute of Architects (NZIA) having a current policy of Professional Indemnity Insurance for a sum of not less than \$200,000.

Design Build Contracts

If the design professional is engaged by the contractor, the territorial authority should satisfy itself that it is appropriate for the territorial authority to rely upon a producer statement from the design professional

Consulting Services during Construction Phase

There are several levels of service which a design professional may provide during the construction phase of a project. The territorial authority is encouraged to require that the service to be provided by the design professional is appropriate for the project concerned.

Requirement to provide Producer Statement

Territorial Authorities should ensure that the applicant is aware of any circumstances in which there may be a requirement for producer statements for the construction phase of building work at the time the building consent is issued as no design professional should be expected to provide a producer statement unless such a requirement forms part of the design professional's engagement.

Attached Particulars

Attached particulars referred to in this producer statement refer to supplementary information appended to the producer statement.



SCOPE OF INSPECTION SHEET

Date 29/5/09. SR or BCA 070637	Inspection No
Time 10-40	Documents on site YES NO
Owner Name LH LANGTH. Project Description Address LL ANDREW COAT	iption Swimming Post
Site Address .h. As K M. M. M. M. M. M. A.	
Building Plumbing Circle appropriate Type & Inspect	ion Other
Site Found Piles PreSlab Subfloor Drainage PreWrap PreClad Weathertight	t PreLine PostLine Block Brick Ret.Wall Final
Engineer Supervision (Yes No A- Name ASSA) SCA	25
Notes Ath Swiming Poul	Diagram (if necessary)
Au work conficte HAS PER	
MARS + ACQUARAGENTS	
ALL COPER WARDOUS HAVE RESTART STAYS	
Door From LAMMy 15 SELF &LESCOL	
+ Lock + HANGE ABOXE 15	
ALL GATES TO ACLESS POOL SELFCLOSING	
A-D'15.	
	110000 3 19 109
	RECEIVED 3/9/09
Photo's Taken – Nossaved / scanned? Y / N	, PS4. Cra
Site instruction issued Ot TO 12SUC C.C.	
WHEN RECEIVED PSY IT	con Goz (m 69)
	<u> </u>
	7
Resul	Pass Part pass Fail
Confirmation of inspection by person on site	
Person on site: Builder Owner Other Other	No One on site
Your next inspection will be	
Agreed, Poerry Hidreh sign RAH	duf Date 29/509
Officer Name CALCALLA Sign Sign	Date 27 / 1 /09
Additional Insp. Sheet N	No

Information entered into data base Initial

Date / /

SCOPE OF INSPECTION

Inspections are made in conjunction with, and with the cooperation of, the owner/owner's agent to ensure that the building work complies with the provisions of the Building Act and NZ Building Code. The inspection is general in nature and involves an audit of the following aspects:

Engineer - Civil/Structural/Fire/Geotechnical: An engineer has been engaged to carry out inspections on behalf of the owner. Please ensure those inspections are carried out. A Certificate of Expert Opinion is required to be supplied to Council.

Site: A surveyor's report, or visible boundary markers provided, so that the set out of the project can be clearly identified.

Foundation: When all formwork has been completed, footings have been excavated and reinforcement is in place.

Piles: When all holes are excavated prior to installation.

Pre-slab plumbing (concrete slab): When all plumbing and drainage pipes have been installed, prior to backfilling.

Pre-slab building (concrete slab): When DPM has been placed with all laps and penetrations sealed, reinforcing in place and in position with chairs as appropriate.

Sub-floor (timber suspended floor): When all sub-floor connections, joists and required blocking, and any suspended plumbing pipe work have been completed, but before any flooring or base boards have been fitted. Relocated dwellings require a sub-floor inspection prior to the base boards being fitted.

Drainage: When all drainage works is completed and is under test, before backfilling occurs. As laid drainage plan is required at time of inspection.

Pre-wrap: When all roof and wall framing is complete, including any exterior sheet bracing, but before building wrap has been installed.

Pre-clad: When building wrap and window and door flexible flashing tape has been installed, cavity battens (cavity systems), cavity closers and all flashing systems are in place, but before joinery has been installed.

Weathertightness: When exterior cladding has been installed, flashings in place, air seals fitted to openings, but before any coating system have been applied.

Pre-line (plumbing): When all internal plumbing is complete and plumbing pipe work is under test pressure.

Pre-line (building): When the exterior of the building is weather tight, all structural components (including bracing) have been completed and wall insulation is in place.

Wet area membranes, decks, roofs and shower area: Pre application of wet area membrane, when all outlets and flashings have been installed, ready for membrane installation.

Post application of wet area membrane.

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Post application of waterproof membrane system.

Protection installed for membrane system and installation of perforated drainage system before back filling.

Final: Final inspections are carried out at the completion of the project and may include entire project, plumbing, drainage and storm water. The Code Compliance Certificate is issued if the building work complies with the approved building consent.

Free Standing Fireplace: Final inspection required only.

In Built Fireplace: Inspection required before installation and after installation.

PRIVACY STATEMENT

- The information contained on the Building Inspection Report Sheet is held by the Kapiti Coast District Council, whose address is Private Bag 601, Paraparaumu.
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FINAL INSPECTION

wner Name			1/2/2	ever he	7001010	100	neu		×	muni	
P = Pass F = F Inspection decision	ail is are l	NA pase	= No d on t	strict reference to the n-Applicable he extent of work insp eet for definition of th	pect	ed a	t the tir	me of inspection.			
Applicable to all	inspe	ctio	ns								
Sighted previous inspection notes	Y	N,	(NA)	Conforms with approved drawings	7	K	NA	Confirm Additional information/amended plan	Y	N	(NA
FINAL - Exterior										W =	
Sub-floor ventilation	P	p	MA	Roof fixings	Р	F	SID	Spouting + Down-pipes	P	F	NA
Deck Structure	Р	F	(NA)	Flashings – Roof	P	F	(AD)	Penetrations - Flashings	P	F	NA
Barriers ,	12) F	NA:	Gully Dishes	P	F	NA	Storm-water + site drainage	P	F	NA
Handrails	P	F	MA	Westes to gully	3	F	NA	Fixings – Durability	P	F	N/A
Steps/Stairs	P	F	NA	Terminal vents/AAV's	p.	F	SNA?	Cladding painted/sealed	Р	F	NA
Flashings – Windows/Doors	P	F	W.	Cladding Ground Clearance	Р	F	(NA)	1/2	p	p	NA.
FINAL - Interior											
Service areas – floors/walls	р	5	NA:	Food storage/preparation	P	F	NA	Hot water temp	Р	F	NA
Stair design	B/	F	NA.	Ventilation	P	F	NA.	Solid fuel heater	P	F	NA
Handrails	P	F	NA	Insulation + clearance	P	F	NA.	Water supply tank	P	F	N/A
Balustrades	P	F	NA.	HWC flues	Р	F	NA.	Trap seals + AAV's	Р	F	N/
Lightings	P	F	NA.	HWC valves	P	F	NA	Cistern flushing	P	F	NA
Laundering	Р	F	NA	HWC restraint	P	F	NA :	WC pan connection	P	F	N/A
Cogking facilities	р	F	NA.	Tempering valve	P.	F	NA	Septic tank	P	F	N/A
Smake detectors	Р	F	NA	Glazing - Human Impact	P	F	NA.	Window labels	P	F	NA
FINAL - Interten	ancy/	Con	merc	ial				-			
Fire/Life systems sighted	-	F	NA:	Guarantees/Warranties/ Certificates/ Expert Opinion	p	F	NA	Intertenancy STC	Р	F	NA.
All Inspections					-						
Road Crossing Complete	Р	F	NA	Energy Certificates supplied	р	F	NA	Final Check Complete	Y	N	
			1				0):===:	



SCOPE OF INSPECTION SHEET

Date 13-9-2007	7 SR or BCA 0706	S7 Inspecti	on No	
Time 1,40 fm		D	ocuments on site YE	s / NO
Owner Name HILDROTH		Sum	may fo	02.
Owner Name III	Ad / AD/ 7	Description	and the same of the same of the same of	
Site Address	my COURT-			
Building Plumbing	Circle appropriate Type & Ins	spection Other		**********
Site Found Piles PreSlab Subfloor	Drainage PreWrap PreClad Weather	ertight PreLine PostLin	ne Block Brick Ret.V	Wall Final
Engineer Supervision Yes No	n/a - Name HOW	fullager	<u>C</u>	
		Diagra	m (if necessary)	
Notes		4100000		
The ED CAMACO				
Mode exceptant	200			
ma your	340 B C			
	-1-1-0	To bo Si	00.5	
ENGINEER HY	5 Medon - 124	1 40 We du	opries -	

Photo's Taken – Nos	rayad / reagnad? V / N			
Site instruction issued				
				consulteness

	9	Result: Pass	Part pass	Fail
			i di i pass	1 800
Confirmation of inspection by perso	on on site			
Person on site: Builder Own	er Other		No One on site	e 🔲
Your next inspection will be	FINAL.			
(Guidance notes for inspection on the rear of this r				
verse v	-		- 13,9	2007
Agreed, Print Name)	Sign	7	Date	dimining
Officer Name KT DZ/U	Sign X/U	1	Date /5 / 7	700)
Sings (1881) inquising international	Additional Insp. Sh	eet No	7	
	Addieonamap. 31			
Information entere	d into data base 🗹 🛮 Initial	AM Date	13,9,2007.	

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SITE / FOUNDATIONS / PILES / PRE SLAB / SUBFLOOR / DRAINAGE

ne	1								4.50	100	
mer Name	3.6			P							
e Address	M	183	111	IANATa	*****						
						-			127		
	no segon	Williams.			SW0078	e de Si					
All inspections are of P = Pass F = Fa				strict reference to the on-Applicable	bui	lding	conse	ent granted.			
				the extent of work ins	pect	ed at	the ti	me of inspection.			
				neet for definition of t	No. of the last			The section of the se			
				WILLIAM CONTROL STORE CONTROL			2011/10/24				
SITE	- 21				,		_				_
Conforms with approved drawings	0	N	NA	Checked driveway	Y	N	NA	Engineer supervision required	0	N	1
Scope of Resource consent granted?	Y	N	NA	Checked position off relevant boundaries and datum height	Y	N	NA.		Y	N	,
Expert Opinion		- 300	0000	Name of Surveyor	1	27.	7.	Name of Engineer A	0,0	1/11	a.
(Producer statement) required	Y	N	NA	Company			-	Company Descrip	-11-		
FOUNDATIONS	10.	- 10	10000	PILES				SUBFLOOR			
Footing Depth	P	F	NA	Pile size	Р	F	NA	Pile/Bearer/Joist Fixings	Р	F	1
Good bearing NZS 3604)	Р	F	NA	Pile layout is to plan	P	F	NA	Notching, Holes, etc	Р	F	
Reinforcing	Р	F	NA	Special piles - point load	Р	F	NA	Solid Blocking	Р	F	1
Siting	Р	F	NA	Timber Treatment	Р	F	NA.	Joists	Р	F	3
Sub-floor vents	Р	F.	NA	Hole depth	Р	F	NA	Beams/Bearers	Р	F	
PRE SLAB					1						
Rebate for brick veneer	P	F	NA	Sand blinding	P	F	NA	Steel reinforcing	P	F	1
Ground clearance	P	F.	NA	Slab thickenings	P	F	NA	Bar chairs	Р	F	1
Concrete Cover	Р	F	NA	Vapour barrier (DPC)	Ρ	F	NA	DPC penetrations taped	Р	F	1
Driveway s/w central	P.	P.	NA	Bottom plate fixings	P	F.	NA.	Minimum Floor Level	Р	F	1
Secondary flow path	Р	F	NA	TPR line	P	F	NA	Wastes and drains – size / fall	p	F	
Pipe material	Р	F	NA	Plumbing layout	P	F	NA.	Test - Water / Air	Р	F	1
Pipe protection	Р	F	NA	Pipes supported	P	F	NA	Visual leak check	р	F	
DRAINAGE											
Pipe diameter	P	F	NA	Connections/Angles	Р	F	NA	Holding water	Р	F	
Bedding material	P	F	NA	Branch length	P	F	NA	Terminal vent	P	F	1
	Р	F	NA	Direction/Fall	P	F	NA	LBP/Registration No:			



FILE NOTE

Consents & Compliance Division

TILE NUMBER:
OFFICER: Peter Ropeda
SUBJECT: Swimming Pool Fence - 12 Murray Court.
It , visited site. Property owners need to be made more of the
(1) loundry door - Self closing / self-latching devices be installed - self latching device be installed at a moinu - height of 1.5 mitras above floor level.
2.) Windows (spening to pool area) - Restrictors fitted to all window apring in to pool area (those below 1.2 metres) min apring to 100 mm
(3). Cloth line - repetated out of immediate pool'area
Signature: Ropeta .





COMPUTER FREEHOLD REGISTERKAPITI G UNDER LAND TRANSFER ACT 1952STRICT

Search Copy



Identifier

WN49C/746

Land Registration District Wellington

Date Issued

21 January 1997

Prior References WN29D/830

Estate

Fee Simple

Area

653 square metres more or less

Legal Description Lot 4 Deposited Plan 83038

Proprietors

Trevor John Hildreth and Raewyn Anne Hildreth

Interests

Subject to Section 206 Land Act 1924

B556873.2 Consent Notice pursuant to Section 221 Resource Management Act 1991 - 21.1.1997 at 3.15 pm

Fencing Covenant in Fransfer B697503.1 - 9.12.1998 at 10.35 am

Land Covergent in Transfer B697503.1 - 9.12.1998 at 10.35 am

7160532,3 Mortgage to Mortgage Holding Trust Company Limited - 13.12.2006 at 9:00 am

*विका*र्ज्ञ किने स्थाहकस्त्रक्

[dealifee

-

P. 1 CP 600H

MIND NY 16

Mark the SM

27/08/2007. Meighbour has asked that KCDC ensures
letaining wall is not any closer than

1-2 metric as per apposed plan.

Peter Ropeta - (refer Irvia Regent. 0702852)

Bobcat digger - not any closer than



Building Consent Checklist

Building Cate	gory;	(1)	2	3	(circle category for building)
Re	elevant details	from PIM .		: From	PIM checklist
	Wind zone High	/ Very High / Sp	ecific		
	Ponding		Section 1		1
	Corrosian zone	sea spray /	zone1	1	
	Known hazards Building over 2 or n	nore allotments		100	
	Soil conditions	ok	4		
Tic Wi Wi	ere compliance is in	nn for all building ssessed by anot accordance with	her write jo n a complia	b title e.g., nce docum	it to the project. plumber, structural engineer of officer assessing ent tick the relevant box solution' box and attach additional sheet.
	B1, Structure,	non specific	design	☐ B1/AS2	2 ☐ B1/AS3 ☐ NZS3604 ☐ NZS4229
	☐ Alternative s	solution	1		
	B1, Structure,	specific des	ign 🖫 🛚 🕏	ZS4203 🗆	Alternative solution
	B2, Durability I	☐ B2/AS1 ☐ N	ZS3101	NZS3602	☐ NZS3604 ☐ Alternative solution
	C1-4, Fire D c	AS1 Alterna	tive solutio	in	
	D1, Access ro	utes 🗆 DI/AS	1 D NZS	4121 🗆 AI	Iternative solution
	D2, Mechanica	al installatio	ns for ac	cess 🗆	D2/AS1 D NZS4332 D EN81 D Alternative solution
	E1, Surface w	ater 🗆 E1/AS	I ASAN	Z\$3500.3 [Alternative solution
	E2, External m	noisture 🗆 E	2/AS1 🗆 :	Specific des	sign and engineering Alternative solution
	E3, Internal m				
	F1, Hazardous				
					☐ NZS4223 ☐ Alternative solution
	F3, Hazardous				
	F4, Safety from				
					☐ F5/AS1 ☐ Alternative solution
	F6, Lighting fo	r emergenc	y 🗆 F6/A	S1 Alter	mative solution
					8 NZS4512 NZS4515 Alternative solution
	F8, Signs 🗆 F				
					s, G1/AS1 Alternative solution
					☐ Alternative solution
	G2, Launderin				
	G3, Food prep	77			
	G4, Ventilation				
					S1688.2 Alternative solution
	G5, Interior er				
					Alternative solution
	G7, Natural lig				
	G8, Artificial li				
	G9, Electricity				
					Alternative solution
					Alternative solution
					00.2 AsiNZS3600.5 Alternative solution
The state of the s					

KCDC form 436 ver.1

☐ G14, Industrial liquid waste ☐ G14/AS1 ☐	
G15, Solid waste G G15/AS1 Alternative so	
☐ H1, Energy efficiency ☐ H1/AS1 ☐ NZ\$421 ☐ Alternative solution	8 LI NZS4243 LI ALF Design Manual LI NZS4214
Alternative solution	
Attachments Tick the box related to all additional sh For each type of additional sheet, write the number of she Worksheet Alternative solutions	neets used to record assessment decision making, ets attached where there is more than one
☐ Alterations and change of use	avoid upproductions
 □ Alteration – section 112(2) discretion to □ Waiver or modification 	avoid upgrade triggers
☐ Dialogue record	
01 (109
Plo Simon Cap	15/2007
Assessed By: Name:	4/7/07
Signature:	Date:
Reviewed By: Name:	the Building category
Signature:	Date:

KCDC form 436 ver.1 2 of 8

Worksheet; Optional Lase

Your notes	Prompts
	BUILDERS Category 1 Ground conditions
	Structure NZS 3604 or engineer
	Baketrades B1/AS2 or engineer
······································	Cut stability, retaining untils Work close to boundaries
	Durability, tember treatments
	Fare report, 4 storey, 10% to boundary Specke detectors
	Access; staks, handrels, slip resist
	Siteworks around buildings Cladding selection appropriate
	Flashings
·	Waterproof retaining walls Floor heights and crewl space
	Wellarea, waterproofing, surfaces
·	Safety from falling Pool fencing
	Glazing for impact
	Natural eght and awareness Natural ventiletion
	Thermat moulation
	BUILDERS Categories 2 & 3 Fire report, purpose groups, escape
·	height, path lengths, egress with
	Firstings, surface finishes
· · · · · · · · · · · · · · · · · · ·	Fire systems required, AS or afternative
· · · · · · · · · · · · · · · · · · ·	Accessible route from carpark/street
<u> </u>	Accessible facilities,
	Hazardous substances/processing
	See satety, hoardings, gammed Assistive hearing systems
	Signage
	Sound control Energy efficiency (lighting)
· · · · · · · · · · · · · · · · · · ·	Specified systematromphence schedule
· - · · · · · · · · · · · · · · · · · ·	PLUMBERS Calegory 1
	Flood zone, secondary flow path Storowater disposal
	Subsol drainage (receining waits)
	Durability, material compatibility Flaghing cover (roof and pipes)
	Internal gutter sizing
	Downpipe stang apreaders Foulwater disposal, overflow relief
	On site disposal systems
	Potable water supply HWC venting restraint, thermal
	Water temperature at sanitary
	fogures
	Gas apparance venting, thermal PLUMBERS Category 2 & 3
	Stack drainage, venting
	. Toilet numbers include accessible trachanical ventialion/turne cupbids
	Penetrations through fee rated and
	acoustic reted walks/codings Trade waste, grease trap
	Back flow prevention
	Heating (old people & early childhood centres)
	,
	<u> </u>

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BC#			

Dialogue Record; Conspiere for all applications where there is dialogue with the contact, dwher or agents

Date / I ime	Medium and participants Phone/email/fav/enter Who to and who from	Summary of dialogue. Reference to documents servireceived
Date:		
Time:		
Date:		
Time:		
Date:		
Time:		
Date:		-
Time:		- · · -
Date:	• •	
Time:		
Date:		
Time:		

KCDC form 436 ver.1

Alternative Solutions (refer AP - WI - 020) Must be completed for all alternative solutions	Code Clause:
Proposal:	
Francis October	
Expert Opinion:	
	· ·
Decision:	
	 · · · · · · · · · · · · · · · · · ·
Review:	
	<u></u>
Assessor: Name:	
Signature:	
Co Reviewed By: Name:	
Signature:	

KCDC ferm 65o Ver.) 4 ot 5

DO#			
BC#			

Alterations and Change of Use — "As near as is reasonably practicable" Refer to AP-WI-021. Must be completed for all existing buildings where less than 100% compliance is proposed.	Code Clause;
Upgrading Triggered: (Means of escape, disabled, structural):	
	· · · · · · · · · · · · · · · · · · ·
Reasoning:	
	
Expert Opinion:	
.	
Decision:	
Assessor:	
Signature:	
Co Reviewed By: Name:	

KCDC form 406 ver.1 5 of 8

Signature:

BC#	

Alteration - \$112 (2) Discretion to Avoid Upgrade Triggers Must be completed for all applications to apply discretion under this clause. Refer to AP-W1-021

Proposal:			
			" '
Reasoning:			
	•		
Decision:			
Assessor: Name:			
Signature:			
Co Reviewed By: Name:			
Signature:			

BC#		

Must be completed for all ap		"		
Proposal:				
	-			 -
	_			
				 •
Reasoning:				
 •			<u>-</u>	
,				
Decision:				
			 -	
				
Assessor: Name:				
		_		
Signature:				
Co Reviewed By: Name:				
Signature:				

BUILDING CONSENT NOTES

ADDRESS: 12 Murray Cout, Poroporoumu
LEGAL DESCRIPTION: LOT 4 DP 83088
zone: Residential
THE STREET WAS A STREET OF THE
NOTES * CT Supplied * OP 83038
* basements-
S201- NII
536-NII
* Hesource Consents - NII * District floor Features - NII
* Designations - Nil
* Flood Hazards - Nil
* Services - NII * Eco Sites / In/ Sornas/GNS Fault / CNB - NII
* Airport Cores - Horizottal Surface 50m A.M.S.L
* Yolds- Nil Issues
* HIRB-NITISSUES. * SITE OVERQUE-NITISSUES.
* SIE GALIGE - LOUI TRACES.
Neighbours Written Approval:
Consulted Parties:
•
Approved/Approved with Conditions
Chr. Chr. Chr. Chr. Chr. Chr. Chr. Chr.



Project Information	Memorandun	n No.070637f	
Building Project	2 Murroy	Court	
Swimming	Pool / AT	ter fetering	hk//

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		S		
		\$	INVOICE NO	DATE
		\$		
		\$	RECEIPT NO	DATE
SUBTOTAL		e .		1.82

S

Less Deposit Paid

GST INCLUDED

TOTAL

Tel. (04) 296 4700 Fax (04) 296 4830

E: kapiti.council@kapiticoast.govt.nz W: www.kapiticoast.govt.nz



Project Information Memorandum

Section 34, Building Act 2004

Application

ORCA Boats and Pools Ltd No. 070637P 14/06/07 13 Sheffield Street Issue date 7/06/07 Levin Application date

Project

Swimming Pools & Spa Pools Description

Being Stage 1 of an intended 1 Stages

Swimming Pool/Alter Reataining Wall

Intended Life

Indefinite, but not less than 50 years

Intended Use

Residential

Estimated Value

\$30,000

Location

12 Murray Court, Paraparaumu

Legal Description

LOT 4 DP 83038

Valuation No.

1527258501

This project information memorandum is confirmation that the proposed building work may be undertaken, subject to the provisions of the Building Act 2004, and any requirements of the building consent.

This project information memorandum includes: Information identifying special features of the land concerned Details of relevant utility systems Details of authorisations which have been granted

Signed for and on behalf of the Council:

Name:

DISTRICT COUNCIL

Date:

... delivering on the community's plan-

NAPITI COAST Me huri whakamuri, ka titiro whakamuw



PROJECT INFORMATION MEMORANDUM - BC 070637P

Application Details

Applicant Name:

Name Mr and Mrs Hildreth

Contact Address:

12 Murray Court Paraparaumu

Location:

12 Murray Court, Paraparaumu

Legal Description:

Proposal:

Swimming Pool/Alter Reataining Wall

Application Details

Use Permitted:

Easements:

Permitted activity

Resource consent granted :

None listed

Designations on property:

None listed

.....

None listed

Site subject to inundation :

Not known to be

Relocatable zone:

N/A

Coastal building line restriction:

N/A

Minimum floor level (50 year event):

N/A

Floor level (100 year event):

N/A

Yard and height requirements:

Comply

Tree/building preservation:

None listed

Comments

Consent notices, covenants, and like listings registered on the title are the responsibility of the applicant. Search this property title for any impediments to this proposal.

Note: Minimum floor levels must use Mean Sea Level Wellington Datum 1953. Certification that the floor level complies with the minimum floor level will be required from a registered surveyor prior to foundation inspection.

Mobil

Special Features of the Land

Potential erosion:
Potential avulsion:
Potential subsidence:
Potential slippage:
Potential slippage:
Potential alluvion:
Potential inundation:
Presence of hazerdous contaminants:
None Known
None Known
None Known

Other features

Plumbing and Drainage Details

Sewer available / connected : Connected
Water available / connected : Connected
Site plan of existing services : See attached

Location of sewer lateral : shown

Location and size of water toby: 20mm shown

Location of public drains (if any): N/A

Location of easments (if any): No easements

Stormwater disposal to : Kerb

Plumbing and drainage notes



KAPITI COAST DISTRIC



COMPUTER FREEHOLD REGISTER UNDER LAND TRANSFER ACT 1952

Search Copy

Registrar-General of Land

Identifier

WN49C/746

Land Registration District Wellington

Date Issued

21 January 1997

Prior References WN29D/830

Estate

Fee Simple

Area

653 square metres more or less

Legal Description Lot 4 Deposited Plan 83038

Proprietors

Trevor John Hildreth and Raewyn Anne Hildreth

Interests

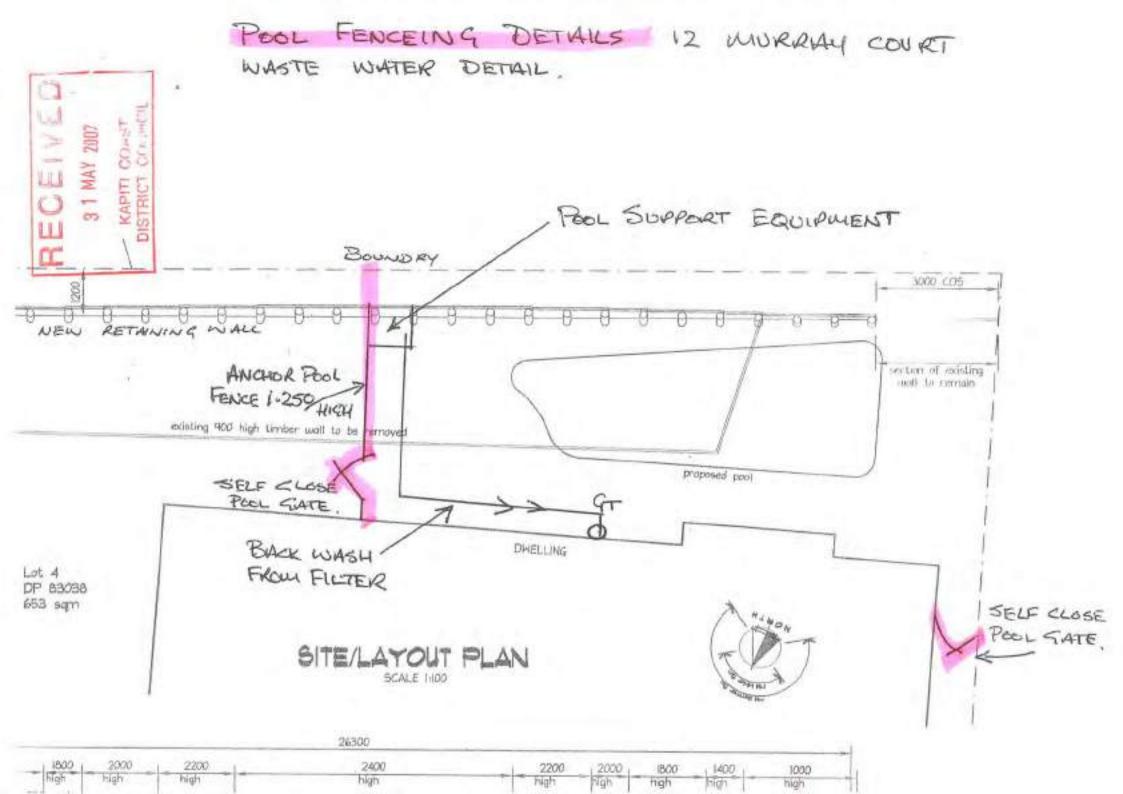
Subject to Section 206 Land Act 1924

B556873.2 Consent Notice pursuant to Section 221 Resource Management Act 1991 - 21.1.1997 at 3.15 pm

Fencing Covenant in Transfer B697503.1 - 9.12.1998 at 10.35 am

Land Covenant in Transfer B697503.1 - 9.12.1998 at 10.35 am

7160532.3 Mortgage to Mortgage Holding Trust Company Limited - 13.12.2006 at 9:00 am



J

ANCHOR POOL FENCE



Northcote Point

Now folded top & bottom

GALVANISED

GALVANISED THEN POWDER COATED

1250mm High x 2400mm Long 1250mm High x 1800mm Long 50mm Square Line Posts Line Posts on Base Plates Gate Pack (Including posts 1030mm wide, pre-assembled)

Touch up paint available on request

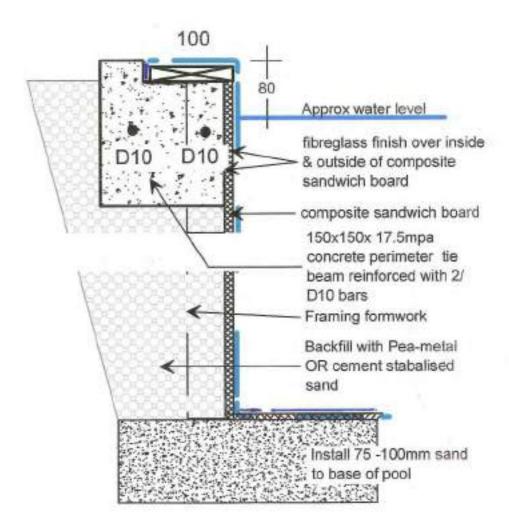
WARNING: The regulations are subject to individual local body interpretation. If is up to the owner to ensure in each individual case that the pool fence meets the requirements of their local Council. This is the responsibility of the owner and should be confirmed by Council prior to installation. This fence complies with the Fencing of Swimming Pool Act 1987. The manufacturer however accepts no responsibility whatsoever for any accidents or mishaps in the construction of the fence or in the use of these products. It is the owners responsibility to ensure that the fence's construction complies with the local body regulations.

FOR ALL YOUR FENCING REQUIREMENTS

ORCA Boats & Pools Limited

Fax: (06) 367 3888 Fax: (06) 368 1913 13 Sheffield Street, LEVIN www.boatsandpools.co.nz

PROPOSED POOL INSTALLATION MR MRS HILDRETH 12 MURRAY COURT LOT4 DP 83038 BOUNDRY NEW RETAINING WALL Boundary 3.7 1.580 .280 2.7 9.3 EXISTING HOUSE . BACK WASH FROM FILTER.



COSTING SHEET

Application No: 010009 ,

Site Address: 12 Hurray Court

Date:

ADMIN = \$40 per hour PLAN VETTING = \$60 per hour INSPECTIONS = \$50 DIGITAL SCANNING = \$22.50

TECHNICAL CONSULTANTS = Cost + 10%

CL	ASSIFICATION	s	P	LAN	VETT	ING	TOT	CON	SUL	CANT	TOT		INSP	ECT	TONS		тот	SET FEE	PIM	CC	DIG SCAN	тот
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1.	Fire Places, Signs, Minor Plumbing and Drainage	0 - 1,500																30	Nil	Nil		
2.	Sheds,Parapool Carports	1501 - 4,000															1.3	70	Nil	Nil		
3.	Garages, Conservatories, Swim Pool, etc	4,001 - 10,000																100	50	30		
4.	House Additions	4,001 - 10,000																120	50	30		
5.	House Additions	10,000 - 40,000																150	50	30		
6.	House Additions	40,001 - 70,000																200	100	30		
7.	Dwellings	70,001-100,000																250	100	30		
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CONSENT DATA INPUT REQUIREMENTS

REQUIRED INSPECTIONS	STANDARD ADDENDA			
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	STANDARD CONDITIONS					
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NON STANDARD ADDENDA

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FOR COUNCIL USE:

DEPARTMENT	REQUIREMEN	ITS		COMMENTS	CHECKED/DATE STAMP
Town Planning	Market Ma	Yes	No		(8)
	Zoning			/	1.100
	Confirms				PIEGO
	Dispensation	-			1/1///
	Planning				WATER DO
	Consent	-			1
	Special Floor Level				38 /68
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Plumbing	1700 EN				
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Drainage				Market Inches	
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175 Rimu Road Private Bag 601 Paraparaunu Phone: [04] 9045700 Fax: [04] 9045830

URCENT



5 Hagley Street F O Box 50218 Porina City Phone: [04] 237 5089 Fax: [04] 237 1439



APPLICATION FOR BUILDING CONSENT

Section 33, Building Act 1991

TICIPATED COMMENCEMENT DATE: ASAP	FINISH DATE:
Prop ID Owner ID	Applicant ID
	GENERAL
[Complete Part A in all Cases - Rejer or	
APPLICANT	PROJECT
Owner Name: MR McCarthy Mailing Address:	New or Relocated Building Alterations or Additions
	Accessory Building or Fire
Contact Name: P.O. Box 223	Building demolition or Removal
OTAKI	Intended use, e.g Dwelling, Carport, Garage etc
	Dwelling
Phone: wk hm	Being stage of an intended stages.
Cellphone No:	Estimated value (inclusive of GST)
Fax:	
Under section 33 of the Building Act 1991, the applicant must be the	\$ 200,000
wher of the land on which building work is contemplated or a person the or which has agreed in writing, whether conditionally or	Intended life: (of building)
nconditionally, to purchase the land or any leasehold estate or interest the land, or to take a lease of the land, while the agreement remains	
force Post Recept,	Indefinite but not less than 50 years
FOR COUNCIL USE	Specified asyears
Received: 91 / 1 0/	PROJECT LOCATION
Application Fee: \$ 420.00.	Street Address (if any) 12 Myrray
Receipt No: 871347	Ct, Pavapavanon
Balance of Fees: \$	Legal description (as shown on certificate of title rates notice, if any)
Receipt No:	Lot 4 DP 83 0 38
Date:/	Valuation No. 152725 850/
NOTE: Balance of fees are payable on consent approval his application is for:	Manager and the second

PART B: BUILDING DETAILS

(Complete Part I	l in all cases)	
This application is accompanied by (tick each applicable	box, attach relevant documents in duplicate):	
The drawings, specifications and other documents accounted to the drawings.	rding to which the building is proposed to be	
constructed to comply with the provisions of the buildi	ng code, with supporting documents, if any,	
including:		
Building certificates		
Producer statements		
	Lordo Dolldon Todorno Audinidas	
References to determinations issued by the Bu		
 Proposed procedures, if any, for inspection during cons 	truction	
PART C: PROJE	CT DETAILS	
(Complete Part C only if you have not applied sepa	rately for a project information memorandum)	
1-11-11-11-11-11-11-11-11-11-11-11-11-1		
O Location, in relation to legal boundaries, and external d	improjent of new releasted or altered buildings	
New provisions to be made for vehicular access, includ		
 Provisions to be made in building over or adjacent to ar 		
 New provisions to be made for disposing of stormwater 	and wastewater	
 Precautions to be taken where building work is to take p 	olace over existing drains or sewers or in close	
proximity to wells or watermains		
New connections to public utilities		
Provisions to be made in any demolition work for the pr	maction of the mublic suppression of dust disposal	
of debris, disconnection from public utilities and suppre		
 Any cultural heritage significance of the building or building 	lding site, including whether it is on a marae	
PART D: KEY P	ERSONNEL	
Designer(s): TT Design		
nur a men E		
Building Certifier(s): Environto	the state of the s	
Registered Drainlayer: TDA	REG NO:	
Craftsman Plumber: TB *	REG NO:	
Other:		
Odici.		
PLEA	ASE NOTE	
The information provided in support of this application is public	and as such is freely available on request. However under Sc	ection
27(3) of the Building Act 1991 you may for security and/or copy	right reasons request the plans and specifications pertaining to	o this
application be marked as confidential by completing the following	g section	
CONFIDENTIALITY		
Plans and Specifications	SIZE OF BUILDING	
This are opening		
I/We require that my/our:	Floor area m ²	
The state of the s	1	50
I. plans	No of Stories	_
2. ☐ specifications	140 Of Siories	2
be treated as confidential in order to protect either:		-2
3. the security of the building; and/or	No of Units	P
4. 🗆 copyright		
Signed:		
- Violitai		
7		
Signed for and on behalf of the Applicant:		
Name: (Brill You !		
	h pug (0) (0)	

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Water Connection	S	87/347	
Vehicle Crossing	S	INVOICE NO	DATE
Damage Deposit	\$.700	52558	11-1-01
Structural Checking	\$	RECEIPT NO	DATE23.1.OT
Building Research Levy	\$200-	871859	
Development Levy	S	FEES PAID BY:	
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Digital Storage Fee	\$.22:50	BUILDING CONSENT NUMBER	DATE ISSUED
Certificate of Title Charge	\$		
Photocopying	<u>S</u>	010009	15.1.01
SUBTOTAL	\$1502.50	AUTHORISATION FOR RE	
Less Deposit Paid	H20150	Deposit held =	\$700
TOTAL	1082:50	Cost to Repair Damage Caused	During
GST INCLUDED	\$	Total Balance to be Refunded	\$700-
		Authority Number:Comp F	e
		Authorised: 806 Oliver	DATE: 5/9/01

Received with thanks by 12/81 KAPITI COAST DISTRICT COUNCIL

23-01-01 14:07 Receipt no.871859

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DR BEDE1768

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DR 80081665

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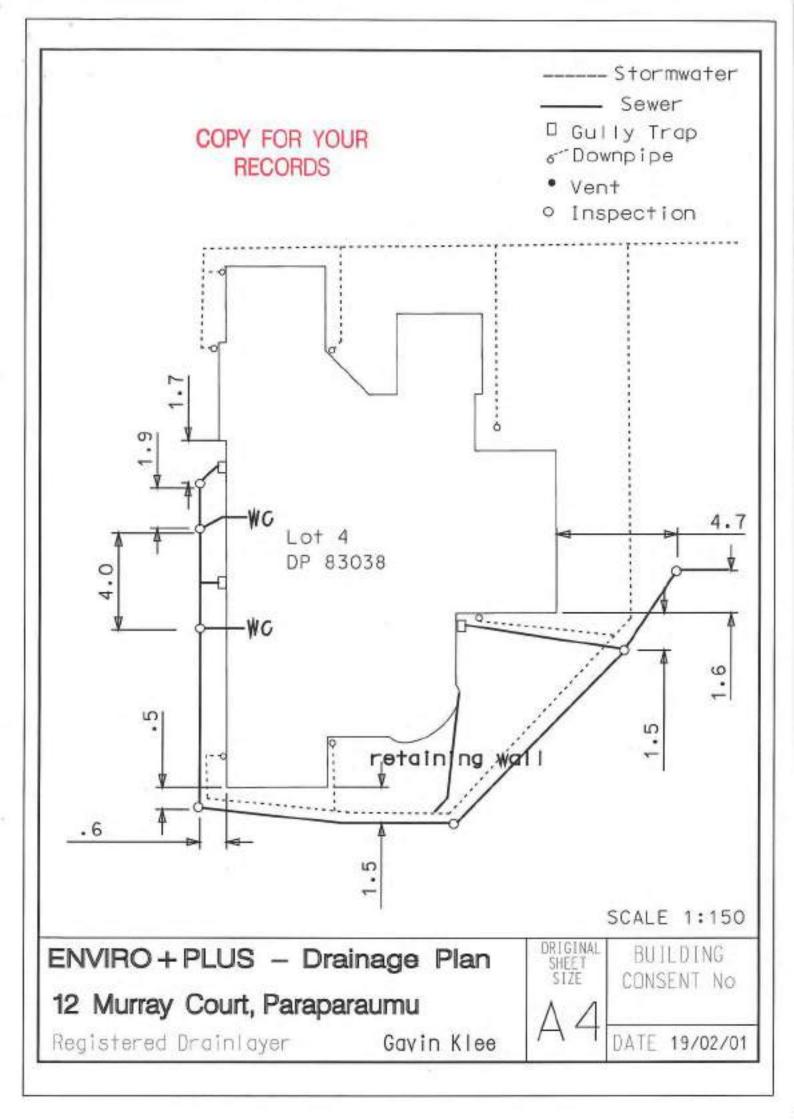
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Building Certificate Number:

10064

(Section 56, Building Act 1991

Issued	By	Ster	nede	Paul	Strad	lina
20204	Ly.		211011	I GG	20100	111111111111

Currently approved and registered as a building certifer in respect of the provisions of the Building Code listed in my scope of approval, with no general limitations.

Building Consent Number: To Kapiti Coast District Council Project Information Memorandum Number: 001768 Resource Consent Number: Project Project Location Frank & Julie McCarthy Owner: New Building Project Type: Intended Use: Dwelling Street Address: 12 Murray Court Lifespan: Specified as 50 Years 1 of an Intended 1 Stages. Being Stage Paraparaumu

> Legal Lot# Legal DP

83038

This Certificate does not apply to Electrical Wiring or Gas Fitting:

This is to certify that:

I have been engaged to inspect specified building work in relation to provisions of the building code.

The "Scope of Engagement" involves:

Certification of plans and specifications M

On site inspection at all stages of construction M

I am satisfied on reasonable grounds that:

The proposed building work would comply with the listed provisions of the building code if properly completed in accordance with the listed plans and specifications.

Specific exclusions (which are documented by Producer Statement and/or specific design):

 Concrete foundation and retaining walls, 2: 310 UB 32 floor beam over garage. 3: 200 PFC garge door lintel.

Signed by or for and on behalf of the building certifier

Tuesday, 9 January 2001

S. P. Stradling





Proposed House

12 Murray Court

Paraparaumu

Structural Calculations

for

Mr McCarthy

COPY FOR YOUR RECORDS

by

C.R.Pine, B.E.(Hons.), MIPENZ

SAWREY LANE CONSULTING ENGINEERS

44 - 58 Queens Drive, P. O. Box 30 444, Lower Hutt

Tel: (04) 566 1483

Fax: (04) 566 9118 E-mail: sawrey.lane@xtra.co.nz Association
Consulting
Engineers of
New Zealand

New Zealand Jostilute of Architects Institution
Trofessional
Engineers of
New Zealand

P.I.W. No	 :	٠	
Suilding Pegulation Clause(s)	 		

PRODUCER STATEMENT - PS1 - DESIGN

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

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This form to accompany Form 3 of the Bullding Regulations 1992 for the application of a Building Consent



4916

23 April 1999

Mr Frank McCarthy 144 Manly Street Paraparaumu Beach 3rd P30ar, 44 \$8 Queena Dyine PO Buo 30-444 Lower Huar, New Zepland Telephone Pus (04)546 L413 Faz (04)546 91:8

CYMLA STRUCTURAL & FOUNDATIONS

Dear Frank

12 Murray Court, Paraparaumu Reach.

Ceneral

As requested we carried out a limited foundation investigation on 17 April 1999, for the proposed two storey house located at the above address. We understand that the proposed building is to have a light roof and be of light timber frame construction.

This report has been prepared solely for the benefit of Frank McCarthy as our client with respect to the brief. The reliance by other parties on the information or opinions contained in the report shall, without prior review and agreement in writing, be at such parties sole risk.

This report has been prepared for the purpose of building the above building as shown on our indicative house siting sketch 4916/Sk1.

Testing

Four "Scala" penetrometer readings were taken and an auger hole was dug. No laboratory testing has been carried out.

The results of a limited investigation such as this are expected to indicate whether shallow footings or deeper foundations are appropriate, for the building on the proposed site. The limitations of the manual investigation equipment mean that a definite founding depth will not necessarily be determined until the foundations are constructed. All variations in the soil structure over the site will not be detected. However, in our experience of this type investigation there is a good correlation between what the results suggest, the material uncovered during construction, and the behaviour of the soil in practice.

Results

Penetrometer results for probes one to four are appended.

From the ground surface the site material in the auger hole. location was:

DEPTH	MATERIAL	
0:00 m - 0.30 m 0:30 m - 0.60 m 0:60 m - 1,40 m	Loose dark brown fine organic sand. Loose dark brown fine sand. Loose grey fine sand.	
	End of leg. Water table not struck.	:÷.

Recommendations

From the results of the penetrometer tests, and considering the classification of the soils from the auger hole, we recommend for this house that it can be founded into the loose sand stratum using an allowable design bearing pressure of 50 kPa.

As can be seen from section A-A on sketch 4916/Sk1 it is anticipated that much of the upper layer of loose sand will need to be removed over the house site to create a basement garage and bench for the house above. We would be pleased to carry out the design of any retaining walls required. Also, we recommend that the founding material be checked at time of excavation to confirm design assumptions.

If further information or comment is required, please do not hesitate to contact us.

Yours faithfully,

SAWREY LANE CONSULTING ENGINEERS

C. R. Pine

Copy to:

TT Design

7 Charthouse Lane

Whitby

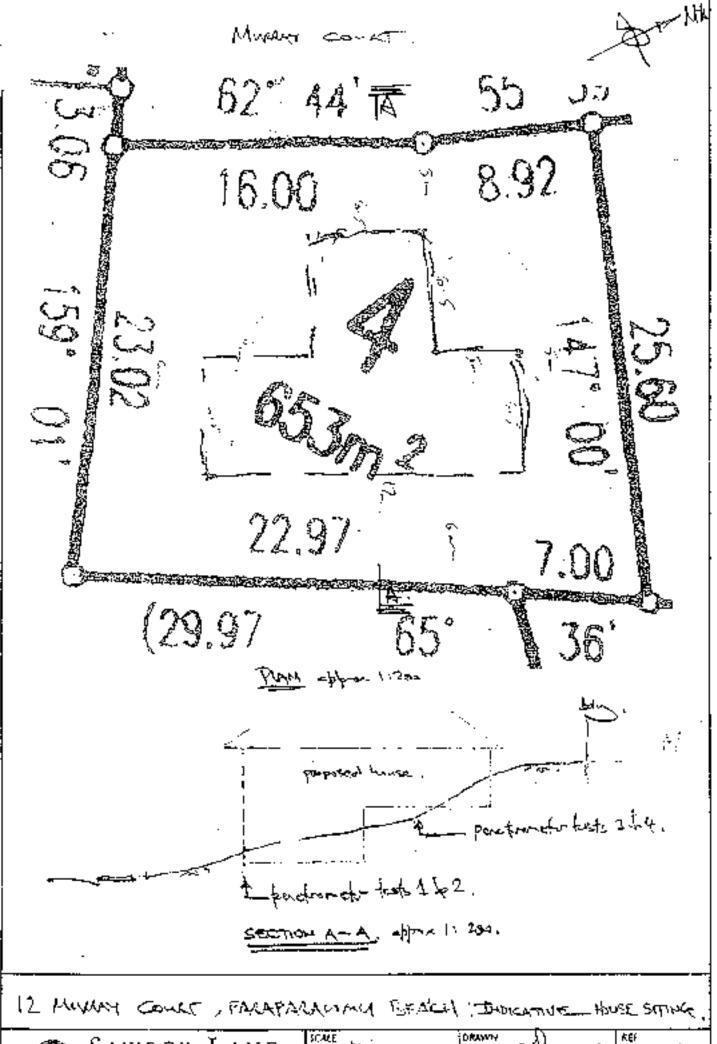




SITE INVESTIGATION SHEET

108 No. 1461 January

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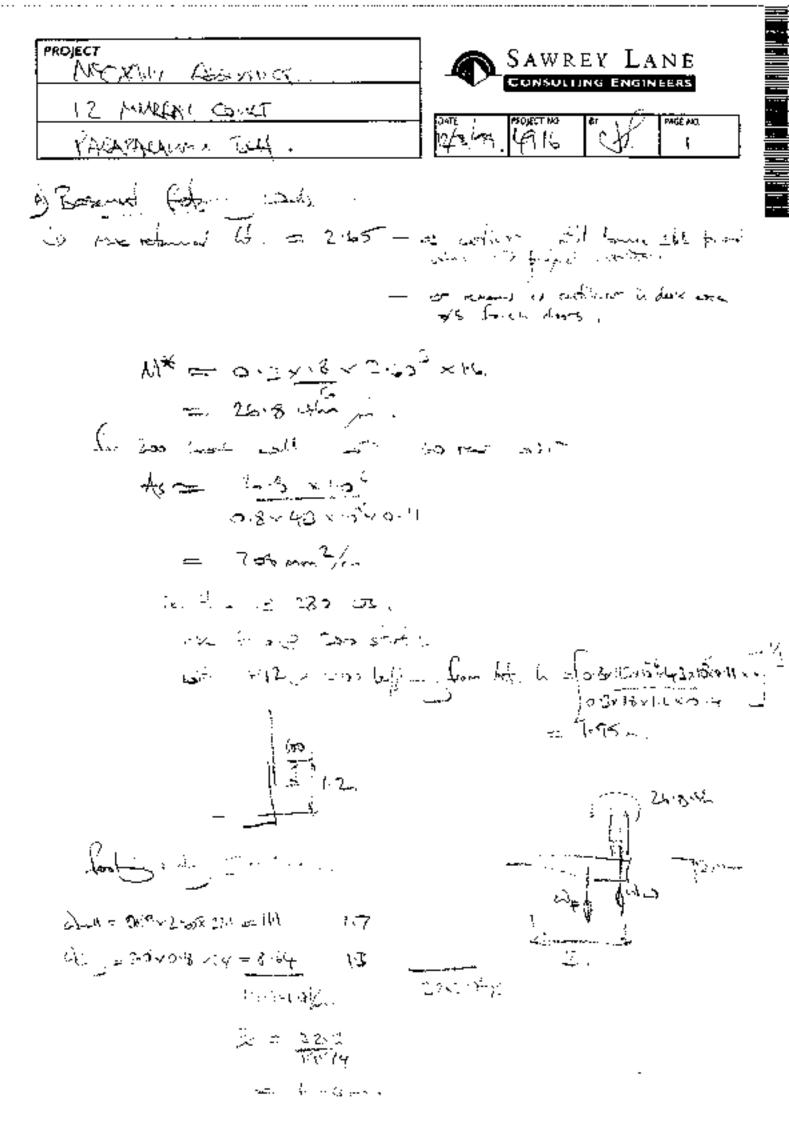


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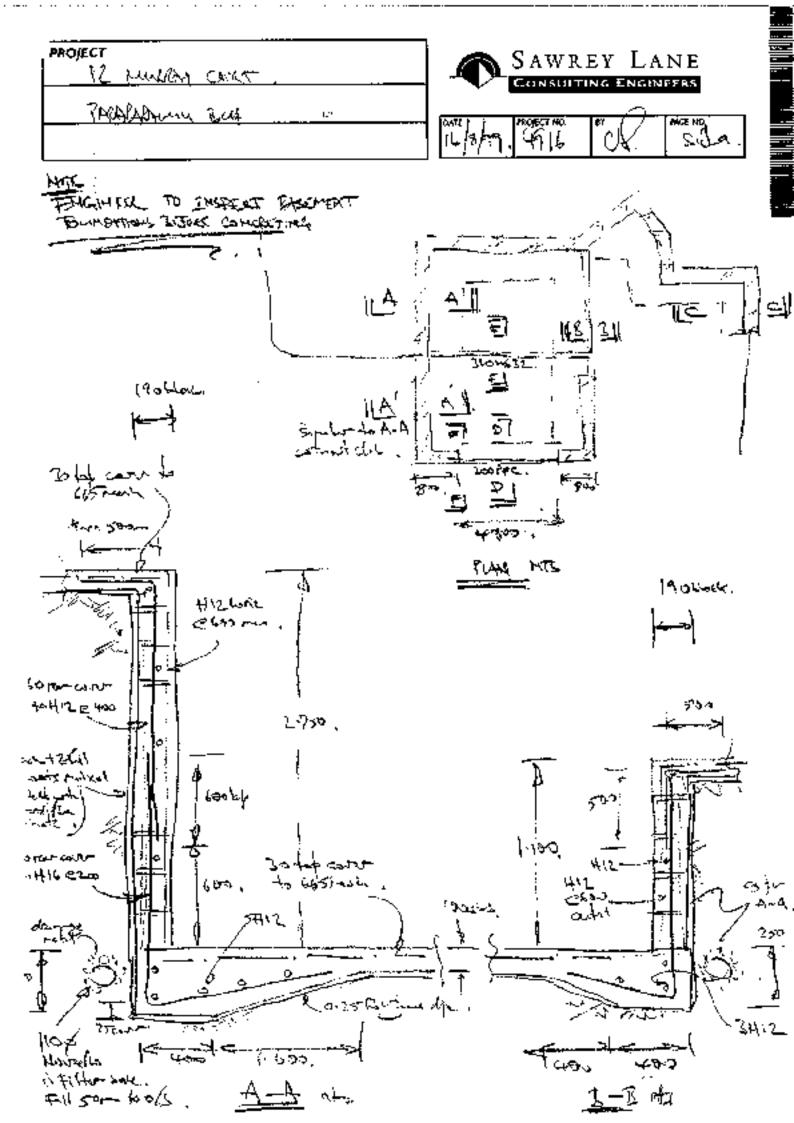
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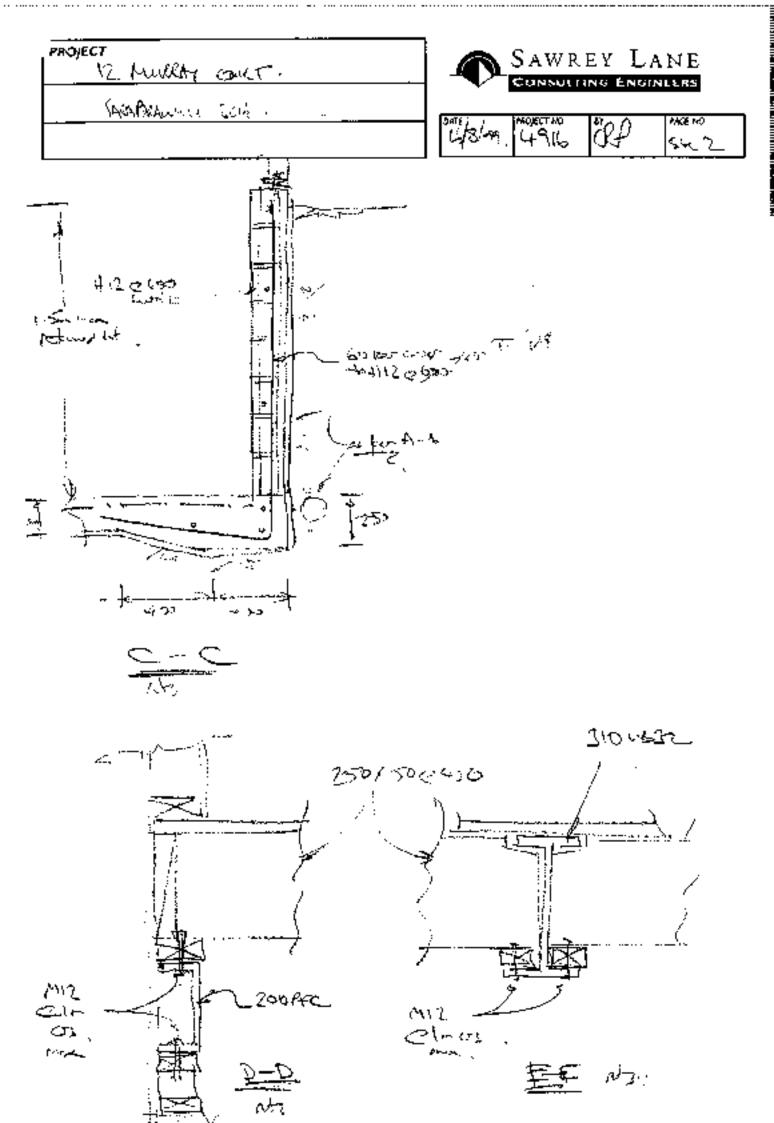
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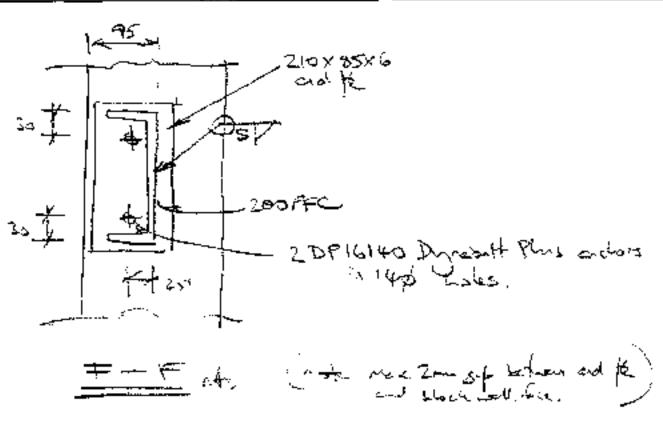


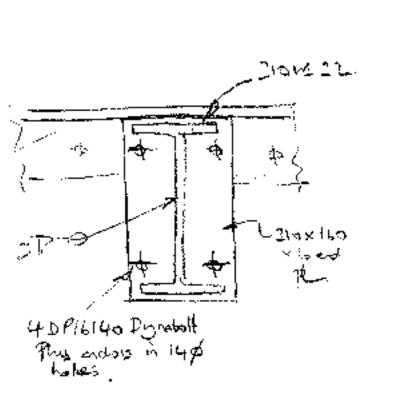


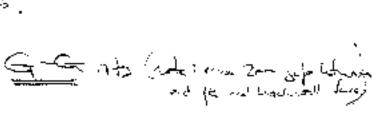
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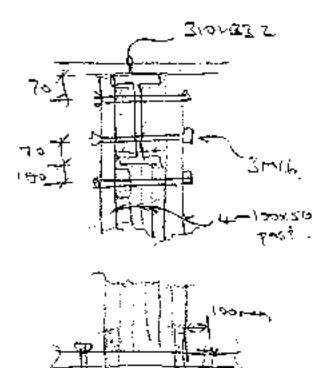


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RESTRICTIONS ON IMPLEMENTING BUILDING CONSENT

Section 35 (1A), Building Act 1991

Certificate issued by Kapiti Coast District Council Building work authorised by Building Consent No. 010009 in respect of building work at:

Street address:

12 Murray Court - Paraparaumu

Legal Description:

Lot 4 - DP 8308

Also required to have the following authorisation under the Resource Management Act 1991:

The development impact fees are to be paid before any work is commenced on site

Until that authorised has been obtained.

No building work to which the above building consent relates may be undertaken.

Failure to observe the restrictions of this certificate may result in enforcement proceedings under the Resource Management Act 1991.

Signed for and on behalf of the Council:

By delegated authority

Name:

Michael Mawby

Position:

Building Control Officer

Date: 10 January, 2001



BC NO: 010009

AUTHORISATION FOR REFUND OF DEPOSITS

To:

Creditors Clerk:

Date: 5,9.01

Owner:

F & J McCarthy

Payee:

F & J McCarthy

Address:

12 Murray Court, Paraparaumu Beach

has applied/is ready for Refund of Deposits at Job Address: 12 Murray Court, Paraparaumu Beach

Val no

15272 585 01

Lot 4 DP 83038

Invoice No

52558

RECEIPT NO: DATE:

871859 23.1.01

Date:

11.1.01

REPAIR REQUIRED COST ITEM OK Road OK Kerb OK Path OK Crossing OK OK Stormwater Berm OK

Inspected Bob Oliver

Date: 5.9.01

TO:

Other

ACCOUNTS CLERK

Please refund - Total amount: \$700.00

Date: 5.9.01

Authorising Officer: Michelle Wapp

(Administration Officer)

Building Certifier's Inspection Report

(Section 57(3) (a), Building Act 1991)

	ale Number: 10064 ion Memorandum Number: 0011		Building Consent Number: 010009
Project Type: Intended Use: Lifesparc Being Stage Builder Plumber Draintayer	Project New Building Dwelling Specified as 50 Years 1 of an Intended 1 Stages. Hayden & McKay TBA	Owner: Street Address Legal Lot # Legal DP	Project Location Frank & Julie McCarthy 12 Murray Count Paraperaumu 4 83038

This Certificate does not apply to Electrical Wiring or Gas Fitting-

Assessment Detail

Date	Assessment Type	Pass	Comments	Fallure Notes
18/01/01	See / Location	₩	Conforms with approved pl	
18/01/01	Footings	L ∠	Ground conditions > 100kP	
18/01/01	Slab Pre Pour	Œ	Damp proof course in place	Garage stab
18/01/01	Slab Pre Pour	M	Mesh in place	Chocked by Engineer, Garage stab.
30/01/01	Slab Pre Pour	Ø	Damp proof course in place	Entry sleb
90/01/01	Stab Pre Pour	☑	Mesh in place	Entry slab
13/02/01	P & D Under Slab	K	Pipework layout conforms	Upper Level
13/92/01	Slab Pre Pour	☑	Mesh in place	-
13/02/01	Stab Pre Pour	2	Demp proof course in place	•
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7/05/01	Final	Ŋ	Issue CCC	

Signed by or for and on behalf of the building certifler

S. P. Stradling

Monday, 7 May 2001

Memo



To: Kapiti Coast District Council

Front ENVIRO + PLUS LIMITED

Date: 31/08/01

Re: DAMAGE DEPOSIT REFUND

Client Name: Frank & Julie McCarthy

Job Address: 12 Murray Court, Paraparatimet

Building Consent No. 010009

Could you please refund the damage deposit paid on this building consent directly to the owner at the above address

Please note that we have <u>no</u>t recorded any damage caused during the construction phase.

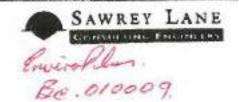
Thank you.

Steve Strading

For Enviro+Plus Limited

FAX. (04) 566-9118

44-58 Quaens Drive P.O. Box 30-444 LOWER HUTT Tel. 566-1483



TO

Enviro+Plus Limited

FAX No. 06 368 1189

ATTENTION

Terry Hart

No. OF PAGES (Incl. this pg) 1

FROM

Gary Neither

DATE 23/01/2001 TIME 10am

PROJECT

12 Murray Court

PROJECT No. 4916

This facsimile message contains information that is confidential and which may be subject to privilege. If you are not the intended recipient, you must not disclose, distribute or copy this message. If you have received this message in error, please notify us immediately by facsimile or telephone (call us collect) and return the original message to us by mail. Thank you.

Dear Terry,

We were called to the above site on 16 January 2001 by Peter Simpson, to inspect the excavations for the garage level.

The bulk of the excavation had been completed when we arrived, final levelling was still to be completed. We probed the ground level area in a grid layout completing approximately twelve tests. All probes indicated an allowable bearing capacity in excess of 50kPs as required in our design calculations.

Regards

SAWREY LANE CONSULTING ENGINEERS

Gary Neither

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Wall Bracing Calculation Sheet B

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FAX. (04) 566-9118

SAWREY LANE CONSULTING ENGINEERS

44-58 Queens Drive P.O. Box 30-444 LOWER HUTT Tel. 566-1483

TO

Enviro+Plus Limited

FAX No. 06 368 1189

ATTENTION

Terry Hart

No. OF PAGES (Incl. this pg) 1

FROM

Gary Neither

DATE 23/01/2001 TIME 10am

PROJECT

12 Murray Court

PROJECT No. 4916

This facsimile message contains information that is confidential and which may be subject to privilege. If you are not the intended recipient, you must not disclose, distribute or copy this message. If you have received this message in error, please notify us immediately by facsimile or telephone (call us collect) and return the original message to us by mail. Thank you.

Dear Terry,

We were called to the above site on 16 January 2001 by Peter Simpson, to inspect the excavations for the garage level.

The bulk of the excavation had been completed when we arrived, final levelling was still to be completed. We probed the ground level area in a grid layout completing approximately twelve tests. All probes indicated an allowable bearing capacity in excess of 50kPa as required in our design calculations.

Regards

SAWREY LANE CONSULTING ENGINEERS

Gary Neither

COPY FOR YOUR RECORDS

SAWREY LANE

4916

23 April 1999

Mr Frank McCarthy 144 Manly Street Paraparaumu Beach 3nd Floor, 44-58 Queens Drive PO Box 30-444 Lower Hutt, New Zesland Telephone Bus (94)666 1433 Fax (94)666 9118

CIVIL & STRUCTURAL & POUNDATIONS

Dear Frank

12 Murray Court, Paraparaumu Beach.

General

As requested we carried out a limited foundation investigation on 17 April 1999, for the proposed two storey house located at the above address. We understand that the proposed building is to have a light roof and be of light timber frame construction.

This report has been prepared solely for the benefit of Frank McCarthy as our client with respect to the brief. The reliance by other parties on the information or opinions contained in the report shall, without prior review and agreement in writing, be at such parties sole risk.

This report has been prepared for the purpose of building the above building as shown on our indicative house siting sketch 4916/Sk1.

Testing

Four "Scala" penetrometer readings were taken and an auger hole was dug. No laboratory testing has been carried out.

The results of a limited investigation such as this are expected to indicate whether shallow footings or deeper foundations are appropriate, for the building on the proposed site. The limitations of the manual investigation equipment mean that a definite founding depth will not necessarily be determined until the foundations are constructed. All variations in the soil structure over the site will not be detected. However, in our experience of this type investigation there is a good correlation between what the results suggest, the material uncovered during construction, and the behaviour of the soil in practice.

04527 2177

7899



\$80 FUNTOR .8445252650

From the ground surface the site material in the auger hole location was:

0.00 m; 0.00 m; 1.0000 derichtobrown sindt organic sand. 0.50 m; 0.60 m; 1.0000 derichtobrown finit sand. 0.60 m; 1.40 m; 1.50 m; proy finit send. ind of kig.	141/19	MATERIAL
	0.00 m = 0.30 m 0.30 m = 0.60 m	Lacto day began fine and

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Recommendations

From the results of the penetrometer tests, and considering the classification of the soils from the suger hole, we recommend for this house that it can be founded into the loose sand stratum using an allowable design bearing pressure of 50 kPa.

As can be seen from section A-A on sketch 4916/5k1 it is anticipated that much of the upper layer of loose sand will need to be removed over the house site to create a basement garage and bench for the house above. We would be pleased to carry out the design of any retaining walls required. Also, we recommend that the founding material be checked at time of excavation to confirm design assumptions.

If further information or comment is required, please do not hesitate to contact us.

Yours faithfully,

SAWREY LANE CONSULTING ENGINEERS

C. R. Pine

Copy to: TT Design 7 Charthouse Lane Whithy

7899



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12 Murray Court, Paraparaumu Beach.





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PROJECT Nº 12 MUPROX COULT

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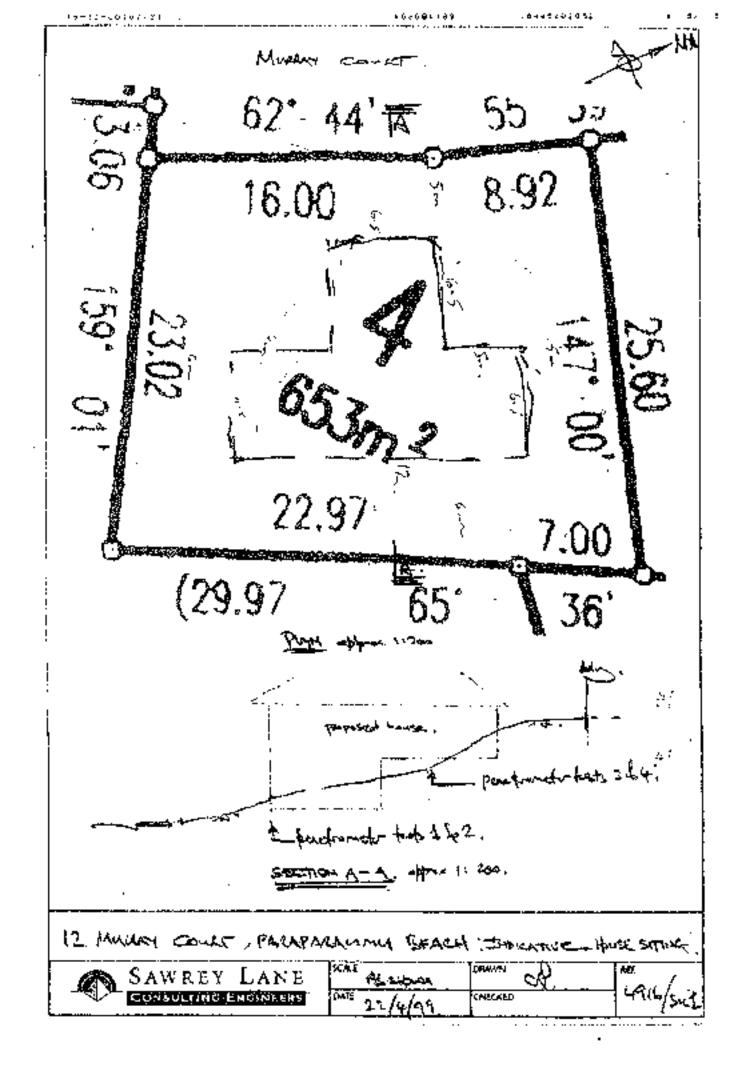
SAWREY LANE

SITE INVESTIGATION SHEET

υОВ № . Че9.1.**Le**......

DATE 17/4/99

BY SEP





CALCULATIONS

FOR THE RETAINING WALL

AT 12 MURRAY COURT

FOR MR AND MRS HILDRETH

april 2007

job number 2376

prepared by DESIGNSCAPE share but to 298 rosetta road sunny raumati allan pullenger rea, a.ipenz

GENERAL

П

These calculations are specific to the above contract, and shall not be used elsewhere. Footing sizes are shown on the plan, or on the attached calculation sheet.

All work will be carried out by, or under the control of, competent tradesman experienced in the type of work.

All material shall be of the best quality and condition.

TRW SPECIFICATION FOR TIMBER RETAINING WALL

TRW 00 GENERAL

All workmanship shall be to best trade practice, and materials shall be of first quality. Set out work accurately from the plans supplied.

TRW 01 MATERIALS

Timber shall be rough sawn, unless otherwise stated, H4 treated. etructural grade. Concrete shall be 17.5 Mps ordinary grade.

TRW 02 CONSTRUCTION

The wall shall be constructed at a slope of 10 vertical to 1 horizontal, leaning back against fill.

Posts/ poles shall be sizes shown on plans or calculations, placed at centres given, and embedded to the distance shown from the front of the hole, and concreted in. Hole sizes are generally 400 or 600 mm diameter.

Walings shall be ex 200mm by 50mm thickness, placed and nailed to posts. Joints for rough sawn shall be staggered over posts, and shall be mitre cut. If using torique and groove timber, the joints may be placed between posts, but shall be staggered such that the next joint above is not between the same posts.

All out timber surfaces shall be treated with METALEX. Walings are on the ineidal of posts.

Backfill the wall with site material. Spread and compact fill to 90% dry density.



shark ball lid

290 Koserta Kosá Raumeti grama 04 907 9528 az 025 420 436.

Cantilever Pole Design

NAME : Hildreth

LOCATION: 12 Murray Court 2000

JOB : 2576 DATE : 20/04/2007

unless otherwise stated no soil testing has been done

these calculations do not allow for permanent garden watering systems.

SOL	PAR/	WET	ERS
-----	------	-----	-----

wall soil type		sand	
soil (wall)	•	30	•
wall stope	a	96	•
back stope	ρ	20	•
wall friction	8	20.06	٠
active coefft	K2i	0.353	
soil density	v	17	kn/m³
surcharge	Ś	ı	kMvm²
soil (ftg.)	0	25	•
passive coefft	Кр	4.597	

WALL PARAMETERS

Wall Height	н	2	m
Pole spacing	s	1	m

DESIGN ACTIONS

live load factor		1.6	
design bending moment for each pole	M*	13.6	kMm
design shear force for each pole	v*	20.3	ΚM
overturning moment	Movt		

BENDING

pole diameter	U	260	
timber strength reduction factor	0	0.8	
duration of load factor	k,	Q. 6	
shaving & trimming factor	K ₂₀	0.85	
presevative breatment factor	k ₂₁	0.9	
wer use conditions factor	k _{zz}	k.	
bending stress	fb	38	Mpa
section modulus	Z	1725520	mm [.]
design strength	«Mn	24.1	kNro

SHEAR

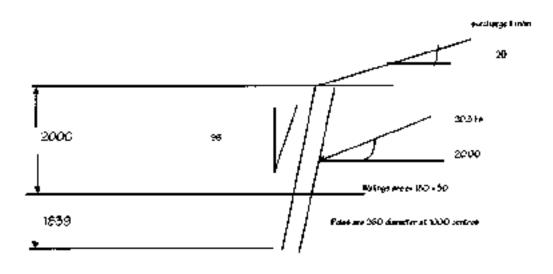
pole diameter	D	⊋so mm
timber strength reduction factor	•	o. e
duration of load factor	K ₀	0.6
shaving & trimming factor	k ₂₀	0.85
presevative treatment factor	K ₂₁	0.9

designscape 1/10

Cantilever Pole wall 2376339

wet use conditions factor	K ₂₂	1	
shear stress	1 C	3.1	dpa
shear area	AS	44244 r	nm
design strength	↓V n	58.4 k	(N
EMBEDMENT DEPTH			
hole diameter	0	0.45 r	n
embedment depth		1.8 r	יין
soli strength reduction factor	•	0.5	
soli pressure	5	40 O K	₽à
Passive Force	Þa	6.00	
	à	0.00 r	T)
	y	0.67	n
	c	47.5	
	Υ	18 г	T)
Embedment depth	н	1.8 ľ	n
WALING SIZE			
For Depth		2 г	TI.
Waling Thickness		0.05	n
Waling depth		0.18	וון
Waling Force	ĸu~ ∉ =ō	2.16 k	on/pn
Moment Max	WL12/9	Q.27 ¥	a) m
1	ba13/12	1.88 E-0 6	
Stress in Waling	PW MY/I	3598 k	(pa

Wating size 180 by 50



Foundation is 450 mm diameter

DIAGRAM OF WALL

2376

designscape



shark ball MJ

296 Rodetta Food Rasmati phone 04 302 8528 or 025 420 488

Cantilever Pole Design

NAME : Hildreth

LOCATION: 12 Murray Court 2000

JOB : 2576

DATE : 20/04/2007

Lillege otherwise stated no soil testing has be	eco dane
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these calculations do not allow for permanent garden watering systems

201		

wali soli type		sand
eoil (wall)	•	30 °
wall slope	0	96 0
back slope	μ	10 *
wall friction	ā	70.00 °
active coefft	Ka	0.291
soil density	¥	j? koN∖m³
surcharge	\$	1 KN\m²
soli (ftg.)	٠	25
pastive coefft	Kp	4.597

WALL PARAMETERS

Wall Height	н	2	m
Pole spacing	\$	1	m

DESIGN ACTIONS

live load factor		1.6	
design bending moment for each pole	м.	11.2	kNm
design shear force for each pole	V*	16.8	kN
overturning moment	Movt		

BENDING

pole drameter	D	22 0 ATM	
timper strength reduction factor	ò	O. 8	
duration of load factor	k ₁	0.6	
shaving & trimming factor	K ₁₀	0.65	
presevative treatment factor	K ₂₄	0.9	
wet use conditions factor	K ₇₂	1	
bending stress	fb	že M Da	
section modulus	Z	1045365 mm ³	
design strength	∘M n	14.6 kNm	

SHEAR

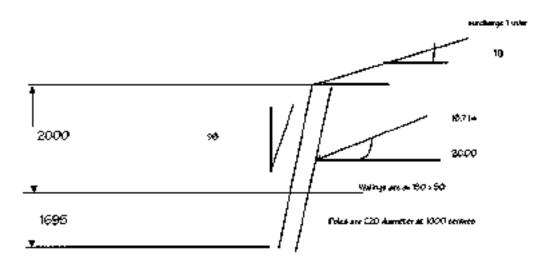
pole diameter	D	220 MM
timper strength reduction factor	•	0.9
duration of load factor	K ₀	0.6
shaving & trimming factor	K ₂₀	0.82
presevative treatment factor	K21	0.9

designscape \$40

Cantilever Pole wall 2376,xls

wet use conditions factor	K22	1	
shear stress	fc	3.1	Apa .
shear area	As	31678 n	n m
design strength	↓V ⊓	36.1 K	N
EMBEDMENT DEPTH			
hole diameter	0	0.45 n	n
embedment depth		1.7 n	ń
solistrength reduction factor	v	0.5	
soll pressure	S	36.8 k	Pa
Passive Force	Pa	4.95	
	à	0.00 n	n
	¥	0.67 п	n
	c	47.5	
	Y	1.7 n	n
Embedment depth	н	1.7 n	'n
WALING SIZE			
For Depth		2 ń	ų
Waling Thickness		0.05 n	A
Waling depth		018 n	n
Waling Force	₹¢≠ * Å	1.7 9 k	n/m
Moment Max	WL*2/8	0.22 k	in n n
1	bd15/12	1.86E-06	
Stress in Walling	PW MY/I	2 972 k	pa

Walling size 160 by 50



Foundation (#-180 nen dumeter

DIAGRAM OF WALL

2376



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296 Kelletta Foad Kaurad. prote 04 302 8525 or 025 427 486

Cantilever Pole Design

NAME : Hildreth

LOCATION: 12 Murray Court 1900

JOB : 2376 DATE : 20/04/2007

unless otherwise stated no soil tearing has been done

these calculations do not allow for permanent garden watering systems

eau.	040	MET	660
3 U L	CAN.	AMET	ERW

wali soil type		band
soil (wall)	•	30 ♦
wall slope		96 *
back slope	ß	10 °
wall friction	6	20 00 *
active coefft.	ка	0.291
soil density	¥	az kil\m³
surcharge	\$	1 kN/m/?
soli (ftg.)	Ď.	25 *
passive coefft	KD	4.597

WALL PARAMETERS

Wall Height	н	1.5	m
Pole spacing	\$	1	m

DESIGN ACTIONS

five load factor		1.6	
design bending moment for each pole	M*	4.7	kNm
design shear force for each pole	V*	9.4	KN
overturning moment	Movt		

BENDING

pole djameter	Þ	100	mm
timber strength reduction factor	+	0.6	
duration of load factor	K,	0.6	
shaving & trimming factor	k ₂₀	0.85	
presevative treatment factor	K ₂₁	0.9	
wet use conditions factor	K22	:	
bending stress	PD	30	Mpa
section modulus	2	402124	rinni ^s
design strength	4Mn	5.⊎	kNm

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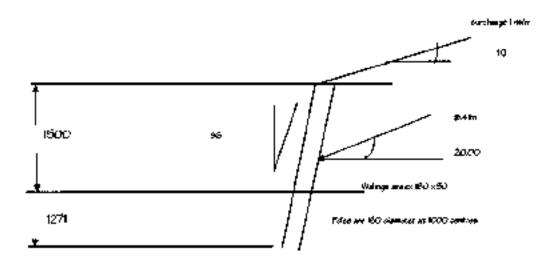
pole diameter	D	160 mm
timber strength reduction factor	۰	0.8
duration of load factor	k ₁	υ. 6
shaving & trimming factor	K ₂₀	0.85
presevative treatment factor	k ₂₁	0.9

designscape S/10

Cantilever Pole wall 2376.ds

wet use conditions factor	K ₇₂	1	
shear stress	fc	3.1	Mpa
shear area	A\$	16755	nijin
design strength	≯ ⁄vn	1 9.1)	KN
EMBEDMENT DEPTH			
hole diameter	D	0.45	m)
embedment depth		1.3	m
soll-strength reduction factor	•	0.5	
soll pressure	\$	27.6	(Pa
Passive Force	Pa	4.95	
	а	0.00	m
	٧	0.50	m
	Ċ	47.5	
	Y	1.3	m
Embedment depth	н	1,3 1	m
WALING SIZE			
For Depth		1.5	m
Waling Thickness			m
Waling depth		0.18	m
Waling Force	KMPIP #3	1.54	w/m
Moment Max	WL^2/8	0.17	kirim
1	bd-3/12	1,885-06	
Stress in Walling	FW MY/I	2229	kpā

Waling size 180 by 50



Фомыната № ттангаа

DIAGRAM OF WALL

2376

designscape 5/10



shark bed to

290 Foresta Found Facement phone (14 502 8528 or (125 427 464)

Cantilever Pole Design

NAME . Hildreth

LOCATION: 12 Murray Court pool 2

JOB : 2376 Out of ground 11

DATE : 20/04/2007

unkee otherwise stated so soil testing has been dons

these calculations do not allow for permanent garden watering systems

SOIL PARAMETERS	SOL	PARAMET	ERŝ
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wall soil type		bose
sori (wali)	•	30 •
wall slope	•	96
back slope	β	10
wall friction	ó	20.00
active coefft	Ka	0.291
soil density	•	3? kNутт ³
surcharge	\$	1 KN/m²
soli (ftg.)	4	25
passive coefft	Kp	4.597

WALL PARAMETERS

Wall Height	н	28	m
Pole spacing	2	1	m

DESIGN ACTIONS

live load factor		1.6	
design bending moment for each pole	W.	30.7	kNm
design shear force for each pole	V-	32.9	kN
overturning moment	Movt		

BENDING

pole diameter	D	290 mm
timber strength reduction factor	+	0.8
duration of load factor	k₁	ą. 6
shaving & trimming factor	k ₂₀	D.85
presevative treatment factor	k ₂₁	0.9
wet use conditions factor	k ₂₇	ì
bending stress	fb	зв Мира
section modulus	z	2394384 mm³
design strength	o Min	33.4 KNm

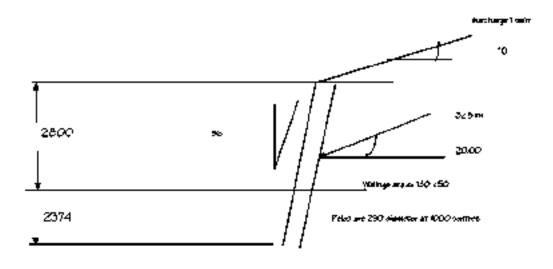
SHEAR

pole diameter	0	290 ли п
timber strength reduction factor	٥	0.8
duration of load factor	k ₁	0.6
shaving & trimming factor	K ₂₀	0.85
presevative treatment factor	k ₂₁	0.9

designscape 7/10

wet use conditions factor	K22	1	
shear stress	f c	3.1 M p	a
shear area	As	\$5043 mm	ì
design strength	#V n	62.7 kN	
EMBEDMENT DEPTH			
hole diameter	D	0.45 m	
embedment depth		2.4 m	
soil strength reduction factor	+	0.5	
soil pressure	\$ \$	51.5 kPa	1
Passive Force	Pa	4.95	
	a	0.00 m	
	¥	0.93 m	
	¢	47.5	
	Y	2,4 m	
Embedment depth	н	2.4 m	
WALING SIZE			
For Depth		2.8 m	
Walling Thickness		0.05 m	
Walling depth		0.18 m	
Waling Force	kecayas.	2.50 km/	m
Moment Max	W/L*2/8	0.51 km	n
I	bd`3/12	1.685-06	
Stress in Waling	FW MY/	4160 kps	à

Waling size 180 by 50



Foundation is 450 mm diameter

DIAGRAM OF WALL

2376

designscape 9/10



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Cantilever Pole Design

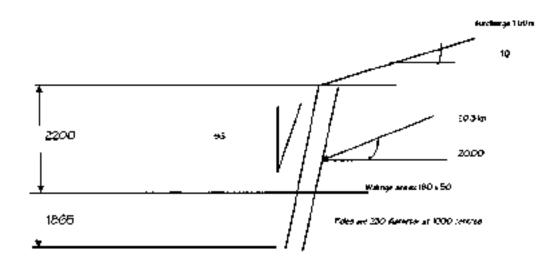
NAME Hildreth LOCATION : 12 Murray Court poól 1 JOB 2376 Out of ground to DATE 20/04/2007 unless otherwise stated no poil testing has been done these calculations do not allow for permanent garder watering systems SOIL PARAMETERS wall soil type قصده soli (wath 30 ٥ wall stope 96 Œ, back slope ß 10 wall friction δ 20.00 active coefft. Κa 0.291kM/m³ soil density 17 Ψ surcharge \$ ì kM/m² soil (ftg.) 25 ٥ passive coefft 4.597 ΚÞ WALL PARAMETERS Wall Height н 2.2 m Pole spacing 5 m **DESIGN ACTIONS** live load factor 1 5 design bending moment for each pole M. kNm 14.9 design shear force for each pole 20.3 kN overturning moment Movt BENDING pole diameter ٥ 200 mm timber strength reduction factor 0.9 duration of load factor K₁ 0.6 shaving & trimming factor K20 0.85 presevative treatment factor. K21 09 wet use conditions factor K22 bending stress fb. Mpa 38 mm³ section modulus Z 1194492 design strength. **∔Min** 16.7 kNm SHEAR pole diameter D 200 1111111 timber strength reduction factor 08 duration of load factor K∎ 0.6 shaving & trimming factor k20 0.85 presevative treatment factor k_{Z1}

designs cap e 9/10

0.9

wet use conditions factor	K ₂₂	1	
shear stress	fC	3.1	Мра
shear area	As	34623	mm)
design strength	ψVin	39.4	KN
EMBEDMENT DEPTH			
hole diameter	D	0.45	m
embedment depth		1.9	m
soil strength reduction factor	4	0.5	
soil pressure	ў 5	40.4	kPa
Passive Force	Pa	4.95	
	a	0.00	Щ
	¥	0.73	Щ
	¢	47.5	
	Y	1.9	m
Embedment depth	н	1.9	m
WALING SIZE			
For Depth		2.2	m
Walling Thickness			m
Waling depth		0.18	m
Waling Force	Kerebra	1.96	kn/m
Moment Max	Wrt-2/8	0.25	KMM
1	bd15/12	1.88E-06	
Stress in Walling	PW MY/	3269	kpa

Waling size 180 by 50

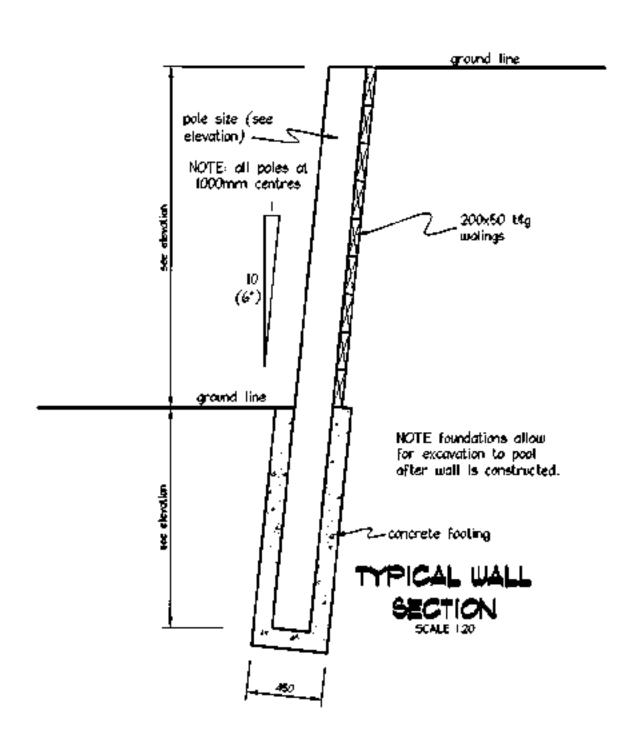


Foundation is 450 mm. Harveter

DIAGRAM OF WALL

2376

designscape 10/10



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Civil. Seuraural and Building design http://www.designscape.net.irz.emeil intograeaignecape.net.irz

HILDRETH POOL 12 MURRAY COURT - PARAPARAUMU

Allen Pollenger rea, alpent 298 Resetta Road - Rauman phone & tax 04 902-8529 Mob 027 442-0468

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TYPE OF	Dwelling	Retail	Additions	Accessory	
BUILDING	New	Industrial	Alterations	Other	

DEPARTMENT	REQUIREMEN	TS		COMMENTS	CHECKED/DATE STAN
Town Planning		Yes	No		CHECKEDIA I ESTAN
	Zoning				16/ , .
	Confirms				4/1/01
	Dispensation				
	Planning				11.11
	Consent				July 1
	Special Floor			1	CHARGE PHOCOCO
	Level				10
Plumbing	1				OI DIM
					1 (1)
D. I					V
Drainage	+				DISTRICT COUNCIL
	130				DISTRICT COUNCIL
					- COOKGIL
					(5/.)01
Stormwater	To Channel	_	_		3/1/01
D-MARINE -					
	To Drain				
	Confined to Lot	_	-		
D. H. die	A CONTRACTOR CONTRACTOR				
Building					
Subdivisional Engineer					
3	F 4 1 5 5				
	Earthworks Bylav	*			
	Conditions				
				THE STATE OF THE S	
			N	otes	



175 Rimu Road Private Bag 601 Paraparaumu Phone: [04] 9045700 Fax: [04] 9045830





5 Hagley Street P O Box 50218 Poritua City Phone: [04] 237 5089 Fax: [04] 237 1439

PIM NO 1768

APPLICATION FOR PROJECT INFORMATION MEMORANDUM

Section 30, Building Act 1991

Issued by Kapiti Coast District Council

K:\consens\building\cusword\KCDC & PCC LIM APPL

[Cross each applicable box and attach relevant documents in triplicate]

APPLICANT	PROJECT
Name: F & J Mc Corthy	Tick One
Mailing address:	New-or-relocated Building
	Alteration
Contact (Paint Name on FARIAGE), FILLIS SD	
Contact [Print Name and FNVIRO+PL'95ED P.O. Box 223	Intended use(s) [In detail]:
OTAKI	Dwelling
Phone: Fax	
	Intended life:
	Indefinite but not less than 50 years
	Specified asyears
FOR COUNCIL USE	Demolition
Received:/	The state of the s
Application fee: S	PROJECT LOCATION
	Street address (if any) 12 Murray Cf
Receipt No:	Legal description (as shown on certificate of title or rates
	notice, if any):
	[For example: Los DP S Con Section
	SO Survey or Registration District; or Maori
	block number and name; or combination of those. If none
	apply, give whatever information is necessary to identify the
PROTEC	I location.]
1 INSTALL	TOETAILS IS27258501
The project involves the following matters [Tick each application]	able box, if any, and attach relevant information in duplicate.]
Location, in relation to legal boundaries, and external New provisions to be made for vehicular access, inclu-	
Provision to be made in building over or adjacent to a	
New provision to be made for disposing of stormwater	
	place over existing drains or sewers or in close proximity to
wells or watermains.	
New connections to public utilities. Provisions to be made in any demolition work for the	and the second s
disconnection from public utilities and suppression of	protection of the public, suppression of dust, disposal of debris,
Any cultural heritage significant of the building or bui	
igned for an on behalf of Applicant:	
1. 11.	
lame: Jerry N ~ 4	
Position:	Agent Date: / //

Received with thenks P IONET DISTRICT tion 31, 2-02-01 16:20	Received with thanks by 12/81 KAPITI COAST DISTRICT COUNCIL
ding work he building ot yet applic o: lot yet issued as project unformation means and and organized and organize	23-01-01 14:58 Receipt no.071859 #COPY* *COPY* #COPY* DR BC001608 FEEK D 182.50- D FEEK::C/- EMUTKOPLUS LTD:P0 BOX 223:0 DR BC010009 MCCARTHY F J 1.082.50- F & J MCCARTHY::C/- ENVIROPLUS LTD:P0 B MCCARTHY F J 145.08- F & J MCCARTHY::C/- ENVIROPLUS LTD:P0 B
Information identifying relevant special feature Information about the land or building concern having the power to classify land or buildings. Details of relevant utility systems. Details of authorisations which have been gran Notification of any other authorisations which undertaken.	DR SCB01665 FINEWORK BRICK CONST 145.80- FINEWORK BRICK CONSTRUCTION::C/- ENVIRO CS A PP ENVIROPLUS LTD 1.555.08 VB

Signed for and on behalf of Council:

Details of authorisations which have been refused.

Name:		
Position:	Date: / /	

FOR OFFICE USE ONLY

	FEES	7/54	APPLICATION FEE	\$
		s.145-		
		\$	RECEIPT NO.	DATE
		\$		N 11
		S	INVOICE NO 52	556DATE !!! 01
(4)		S		
		\$	RECEIPT NO 87	1859 DATE 23.1Q/.
SUBTOTAL		s145—	DIF	
Less Deposit Paid		s		52557 11-1-01
TOTAL		.45—	TOTAL :	\$690.50
GST INCLUDED		• ——	REC Nº :	872491
		\$	Date :	2.2.01



Project Information Memorandum

Section 31, Building Act 1991

Application

F & J McCARTHY

C/- ENVIROPLUS LTD

PO BOX 223

OTAKI

No.

O01768

11/01/01

Application date

4/01/01

Overseer

STEPHEN

STRADLING

Project

Description New Construction

Being Stage 1 of an intended 1 Stage

NEW DWELLING (PIM ONLY)

Intended Life

indefinite, but not less than 50 years.

intended Use

RESIDENTIAL

Estimated Value

\$0

Location

12 MURRAY COURT, PARAPARAUMU

Legal Description

LOT 4 DP 83038

Valuation No.

1527258501

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.

This project information memorandum includes:

<u> </u>	nformation identifying	relevant spec	rial features of	f the land	concerned
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Details of relevant util	III S	systems
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→ otalia \					OCC OCC	1-1

Signed for and on behalf of the Council:

Name:

Date:

§ 1 JAN 2001



PROJECT INFORMATION MEMORANDUM Planning Requirements

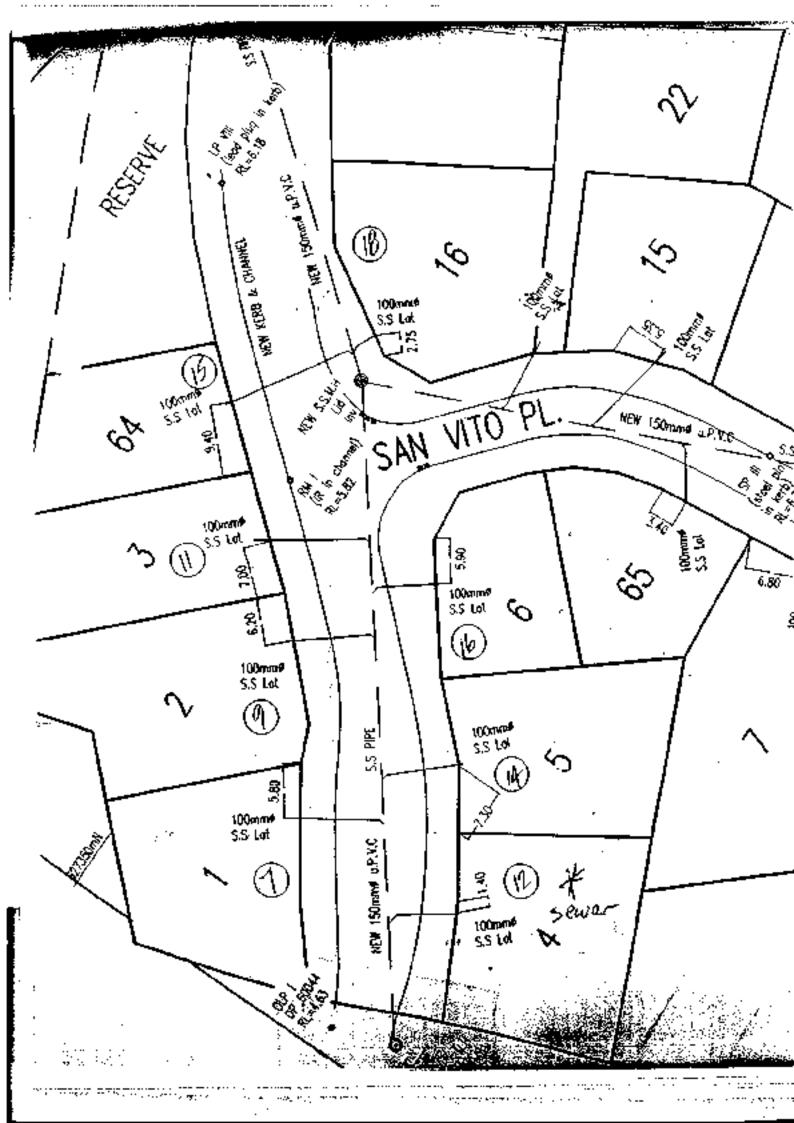
APPLICANT: MC Contry	
MAILING ADDRESS:	
SITE ADDRESS: 12 Murrain Ca	uset.
and the second state of th	_83038
PROJECT: New Building	Alteration
Removal/Demolition	Relocated Building
	(approx. age years)
INTENDED USE:	Dwelling
ZONING: DISTRICT PLAN;	Residential
USE PERMITTED:	Permitted notivity
RESOURCE CONSENT GRANTED:	None lioted
DESIGNATIONS ON PROPERTY:	Done Kisted
EASEMENTS:	None listed
SITE SUBJECT TO INUNDATION:	Not known to be
COASTAL BUILDING LINE RESTRICTION:	ММ
RELOCATABLE ZONE:	ИА
MINIMUM FLOOR LEVEL: (50 year event)	Metres above mean sea level
RECOMMENDED MINIMUM:	MA
FLOOR LEVEL: (100 year event)	Metres above mean sea level
YARD & HEIGHT REQUIREMENTS:	Comply.
TREE/BUILDING PRESERVATION:	None Kinday
OTHER COMMENTS:	Development Import Fees of
	issue of the Bill consent

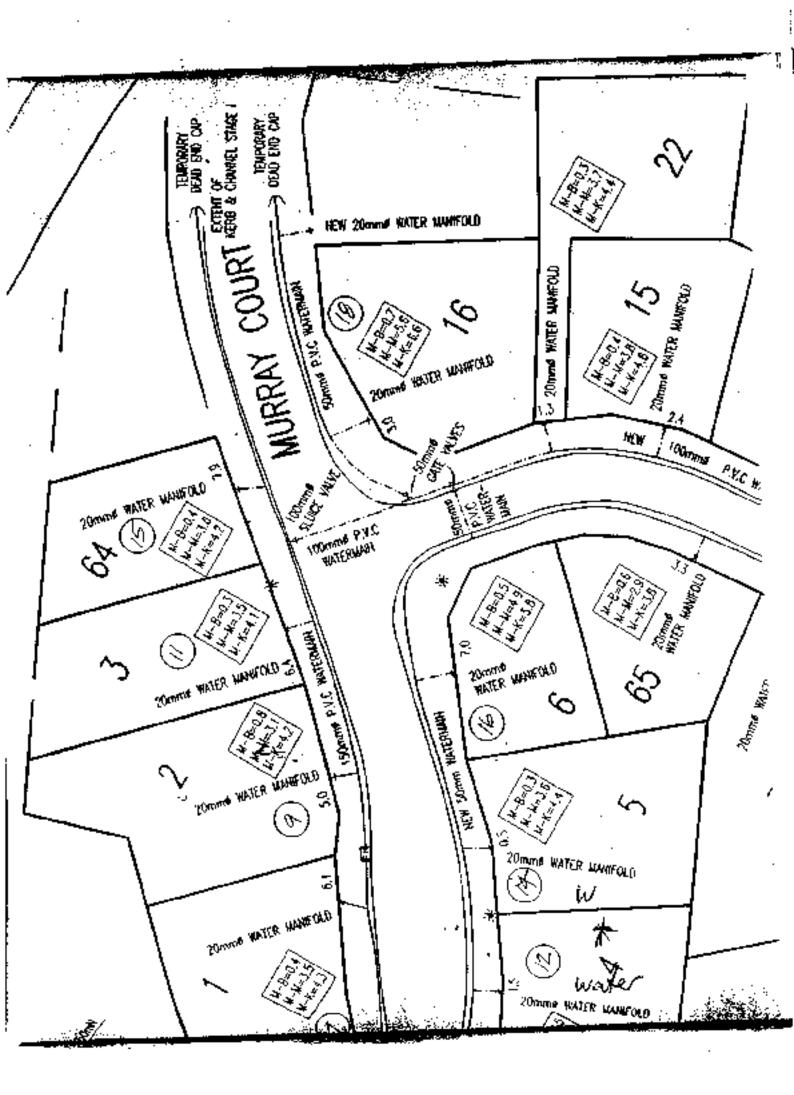
Note: Minimum floor levels must use Mean Sea Level Wellington Datum 1953. Certification that the floor level complies with the minimum floor level will be required from a Registered Surveyor prior to foundation inspection.

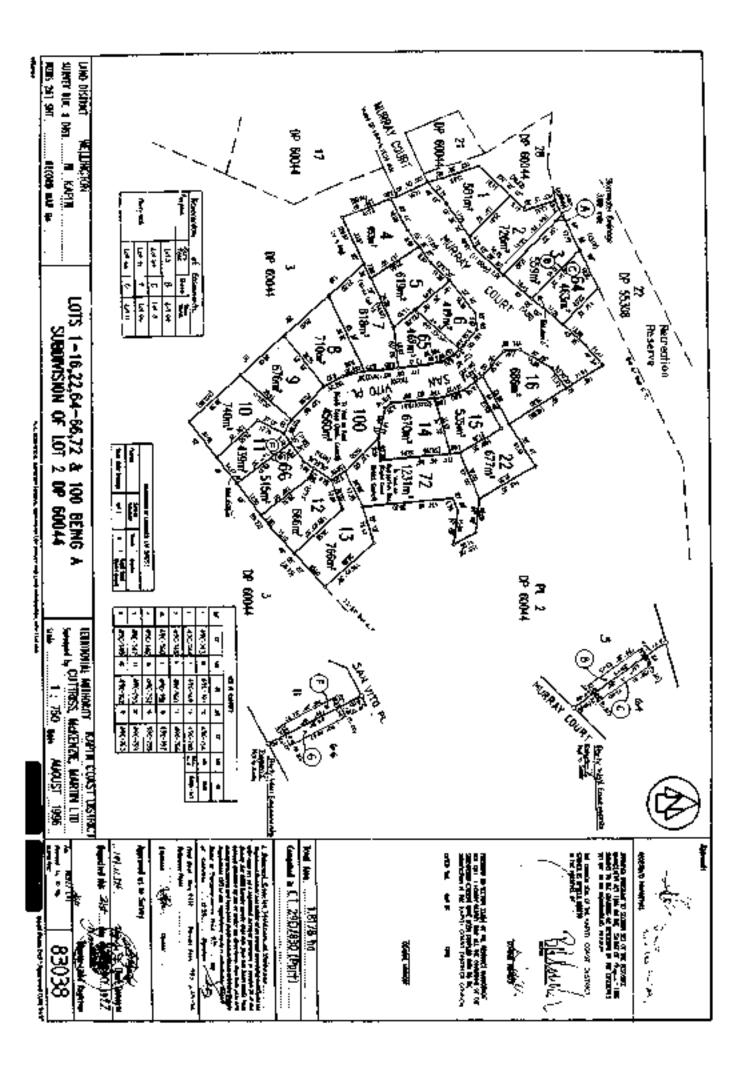
K/consents/building/maword/Project Information Memorandum Planning Requirements

SPECIAL FEATURES OF THE ABOVE LAND

Information is attached identifying the following special features of the land concerned that are known to Council: Potential Erosion Potential Avulsion Potential Subsidence Potential Slippage Potential Alluvion Presence of Hazardous Contaminants Other feature(s) or characteristic(s) likely to be relevant to the design or construction of the proposed buildings and not apparent from the District Scheme or District Plan: (Plumbing & Drainage) SEWER AVAILABLE/CONNECTED WATER AVAILABLE/CONNECTED SITE PLAN OF EXISTING SERVICES (IF ANY) LOCATION OF SEWER LATERAL LOCATION AND SIZE OF WATER TOBY LOCATION OF EASEMENTS (IF ANY) LOCATION OF PUBLIC DRAINS (IF ANY) STORMWATER DISPOSAL TO ON SITE ADDITIONAL COMMENTS







COSTING SHEET

ADMIN = S
PLAN VET
INSPECTIO

TECHNICAL CONSULTANTS = Cost + 10%

 ADMIN = \$40 per hour PLAN VETTING = \$60 per hour INSPECTIONS = \$50 DIGITAL SCANNING = \$22.50

CLASSIFICATION	s	P	LAN	VETT	ING	TOT §	CON	SULTANT S	TOT \$	1	INSP	ECT	TIONS	3	TOT	SET FEE	PIM	CC C	DIG SCAN	тот	
			Pl	D	Bld	EH		DP			Site	Pi	D	Bld	EH					Y/N	W T
1.	Fire Places, Signs, Minor Plumbing and Drainage	0 - 1,500															30	Nil	NII		
2.	Sheds,Parapool Carports	1501 - 4,000															70	Nil	Nil		
3.	Garages, Conservatories, Swim Pool, etc	4,001 - 10,000															100	50	30		
4.	House Additions	4,001 - 10,000	11														120	50	30		
5.	House Additions	10,000 - 40,000															150	50	30		
6.	House Additions	40,001 - 70,000								Nag-							200	100	30		
7.	Dwellings	70,001-100,000-			1			1									250	100	30		
8.	Dwellings	100,001-150,000	1			Y	\$15	2		136							329	(100)	36	X	\$ 145
9.	Dwellings	150,001-200,000	-			1				1					3	_	420	100	30		
10,	Dwellings	200,001-250,000															520	100	30		
11.	Dwellings	250,001-300,000															650	100	30		
12.	Dwellings	300,000 +															700	100	30		
13.	Commercial/ Industrial	0-10,000															120	50	30		
14.	Commercial/ Industrial	10,001-50,000															200	50	30		
15.	Commercial/ Industrial	50,001-100,000															300	150	30		
16.	Commercial/ Industrial	100,001-150,000															400	150	30		
17.	Commercial/ Industrial	150,001-200,000															550	150	30		
18.	Commercial/ Industrial	200,001-250,000															750	150	30		

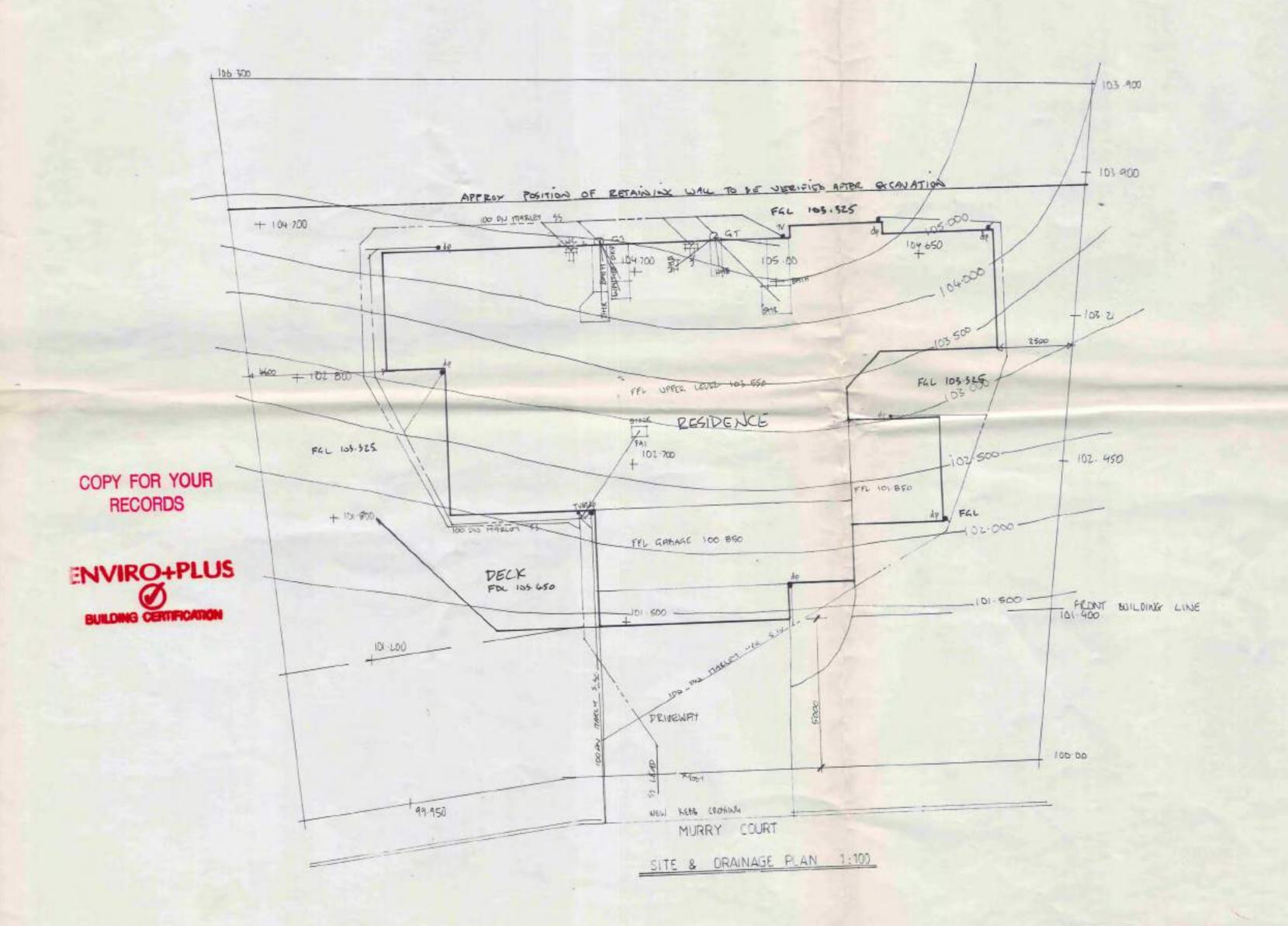
CONSENT DATA INPUT REQUIREMENTS

REQUIRED INSPECTIONS	STANDARD ADDENDA							
14	32	21						
i	2	22						
17	3	23						
7	4	24						
16	5	25						
2	6	26						
3	7	27						
18	8	28						
4	8A	29						
8	9	30						
5	10	31						
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	STANDARD CONDITIONS
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NON STANDARD ADDENDA

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14/12/00 1350EA

Mc CARTHY RESIDENCE 12 MURRAY COURT PARAPARAUMU

site & drainage plan

NOTES

PILL WORK TO LOMPLY WITH THE REQUIREMENTS OF THE NATIONAL BUILDINGS LODE NZS SHOW AND THE TERRITORIAN AUTHORITY

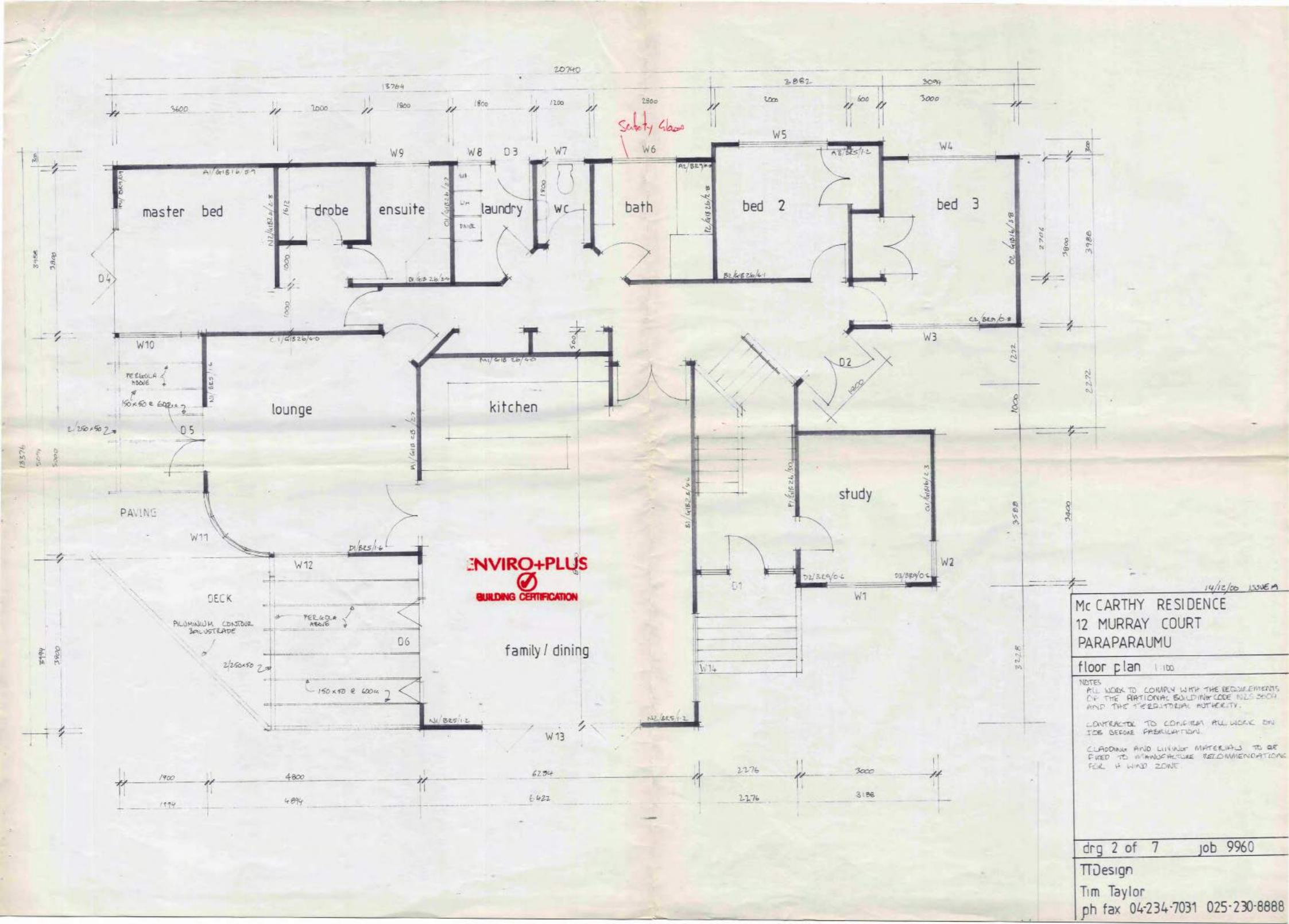
CONTRACTOR TO CONFIRM ALL WORK ON IDS BEFORE FASRICATION.

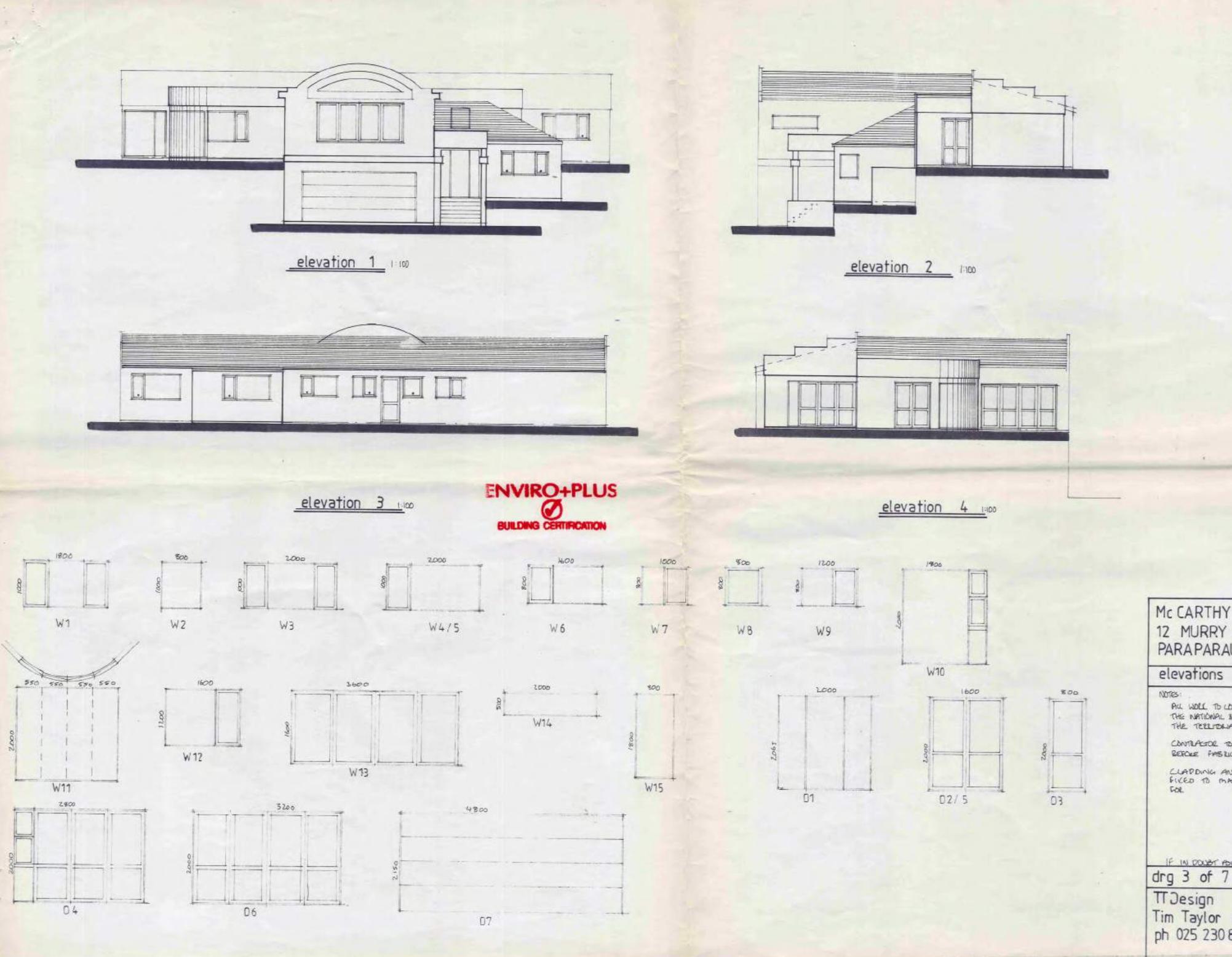
ALL DRAINS AND WASTE TO BE MAILLET "PILL SYSTEM OF SIZE AND TYTE REDWILED FOR I END USE.

drg 1 of 7

job 9960

TT Design Tim Taylor nzcd arch ph 025 230 8888 fax 234-7031





14/12/00 1550EA Mc CARTHY RESIDENCE

12 MURRY COURT PARA PARAUMU

elevations

ALL WOLL TO LOMBY WHILE THE REDUKEMENTS OF THE NATIONAL BUILDING LODE NZS \$604 AND THE TERLITORIAL ADVINORITY.

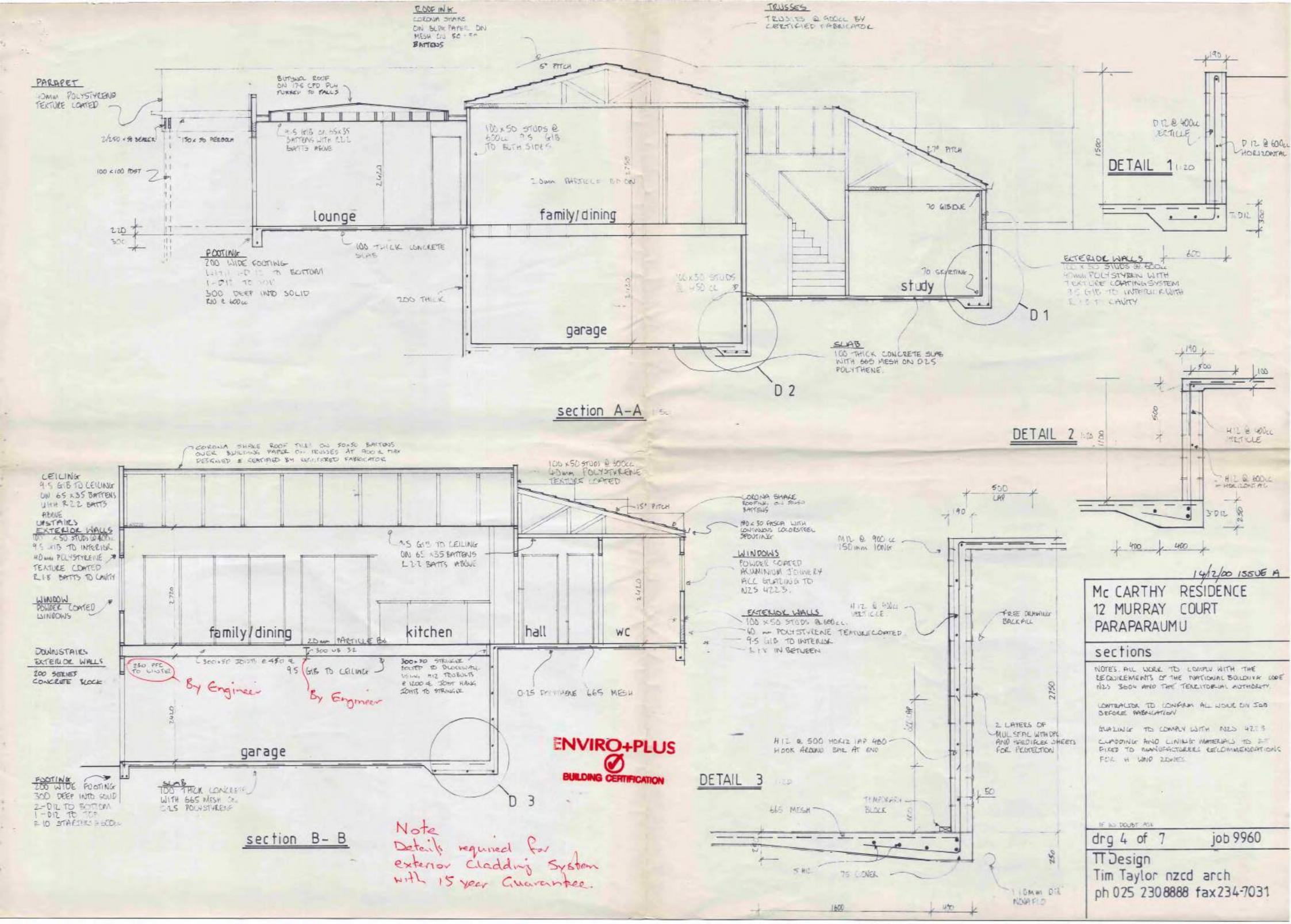
CONTRACTOR TO CONFIRM ALL LIDER ON 158 REFORE FASTRICATION

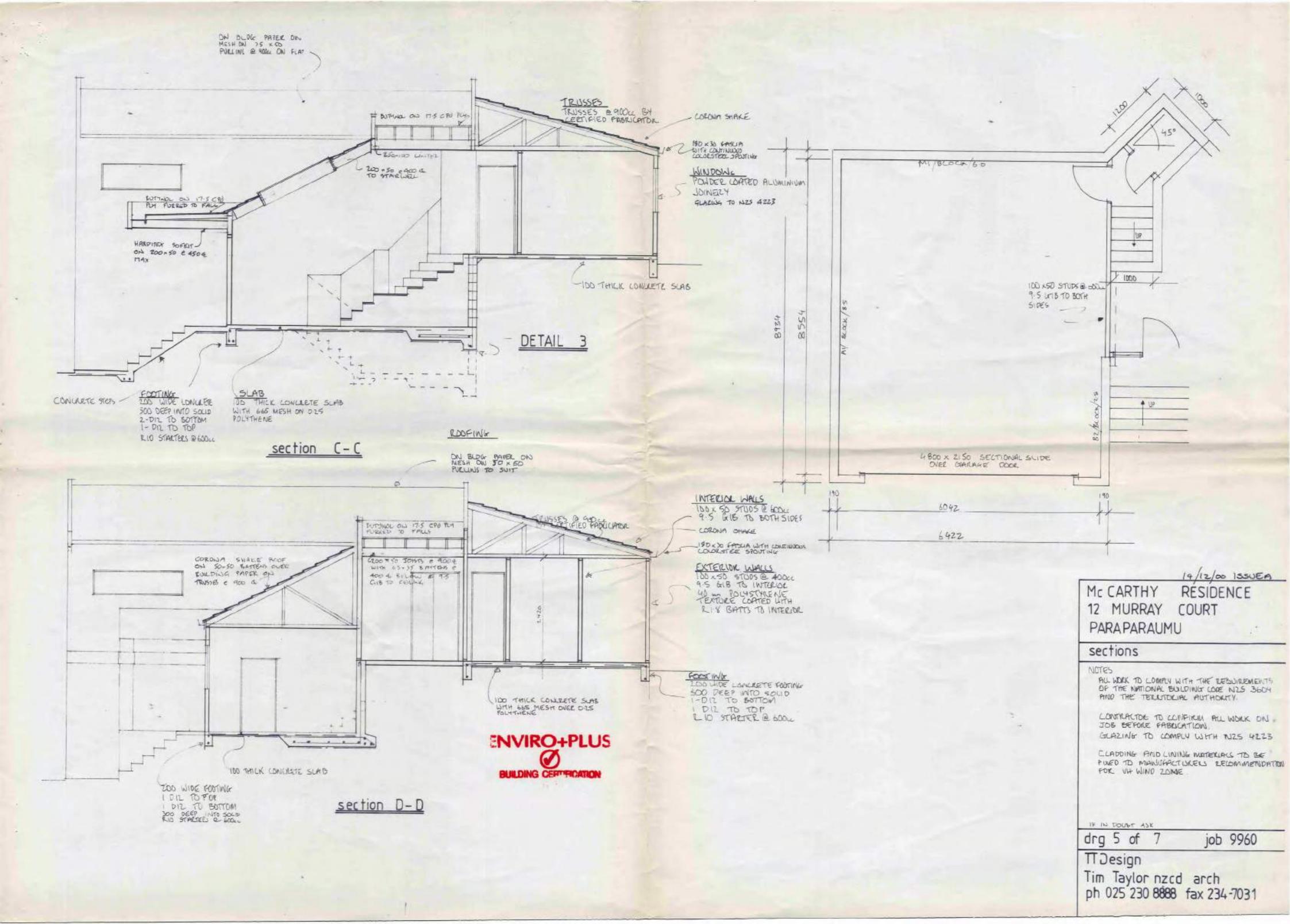
CLAPDING AND WING MATERIAS TO BE FIXED TO MANDEACTURES RECOMMENDATIONS

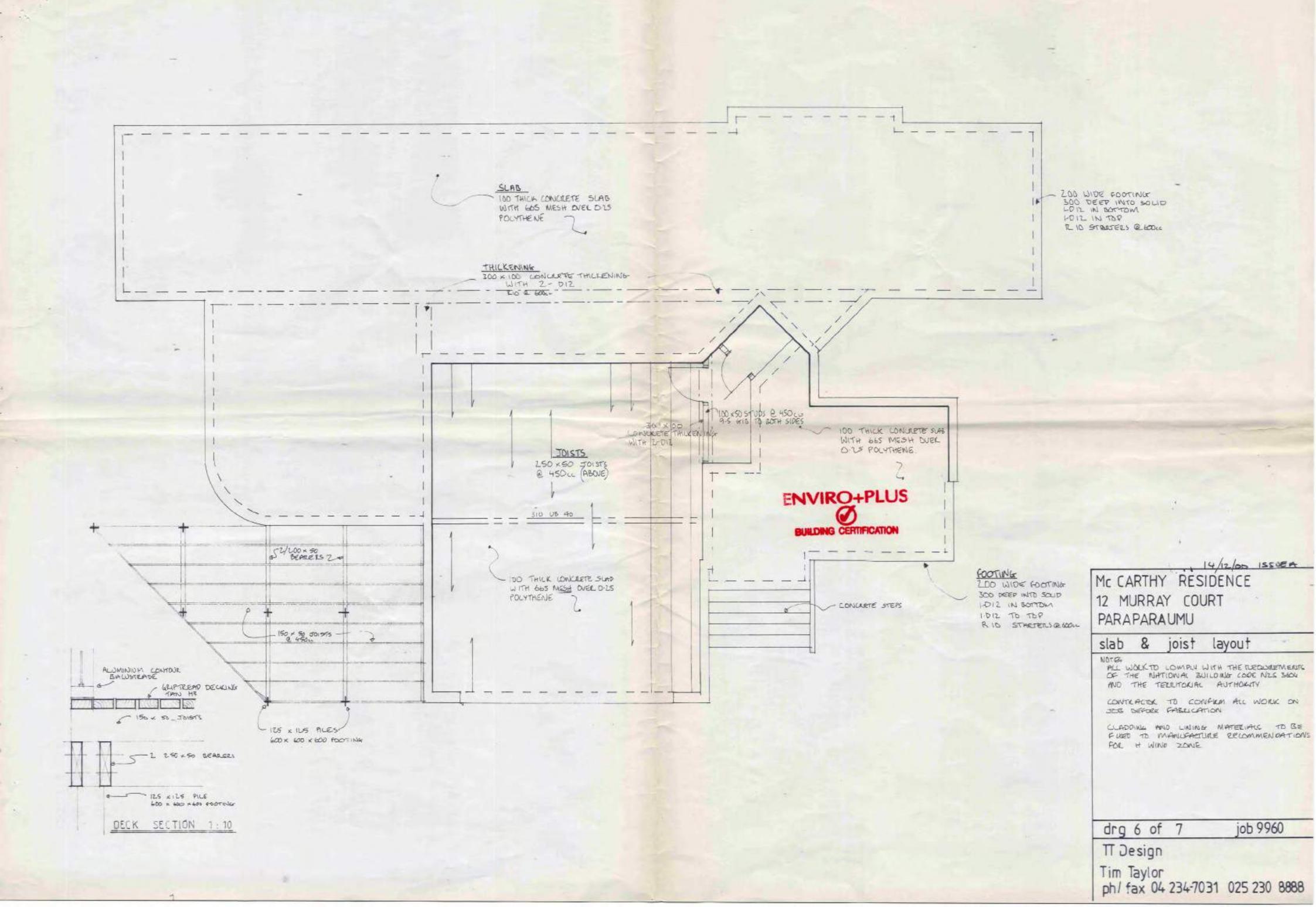
IF IN DOUBT POK

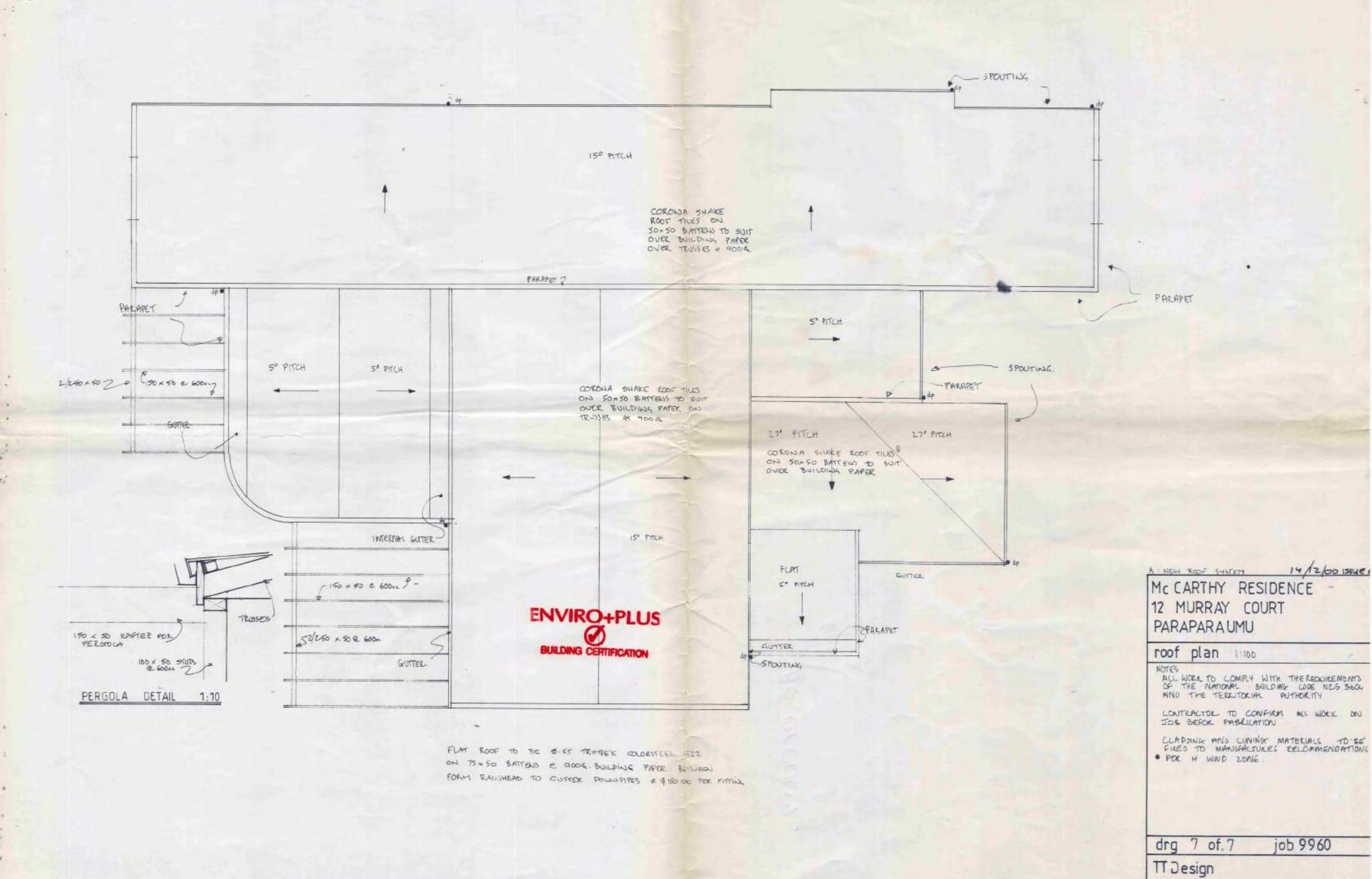
Job 9960

TT Design Tim Taylor nzcd arch ph 025 230 8888 fax 234-7031









Tim Taylor ph/ fax 04 234 -7031 025 230 8888